INDEX
FOR
SUPPLEMENTAL SPECIFICATIONS
AND RECURRING SPECIAL PROVISIONS

Adopted January 1, 2015

This index contains a listing of SUPPLEMENTAL SPECIFICATIONS, frequently used RECURRING SPECIAL PROVISIONS, and LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS.

ERRATA Standard Specifications for Road and Bridge Construction (Adopted 1-1-12) (Revised 1-1-15)

SUPPLEMENTAL SPECIFICATIONS


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CHECK SHEET
FOR
RECURRING SPECIAL PROVISIONS

Adopted January 1, 2015

The following RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

RECURRING SPECIAL PROVISIONS

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CHECK SHEET
FOR
LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS

Adopted January 1, 2015

The following LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS indicated by an "X" are applicable to this contract and are included by reference:

LOCAL ROADS AND STREETS RECURRING SPECIAL PROVISIONS


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BDE SPECIAL PROVISIONS
For the January 16 and March 6, 2015 Lettings

The following special provisions indicated by an "x" are applicable to this contract and will be included by the Project Development and Implementation Section of the BD&E. An * indicates a new or revised special provision for the letting.

| | File Name | # | | Special Provision Title | Effective | Revised |
|---|---|---|---|---|---|---|
| | 80240 | 1 | | Above Grade Inlet Protection | July 1, 2009 | Jan. 1, 2012 |
| | 80099 | 2 | | Accessible Pedestrian Signals (APS) | April 1, 2003 | Jan. 1, 2014 |
| | 80274 | 3 | | Aggregate Subgrade Improvement | April 1, 2012 | Jan. 1, 2013 |
| | 80192 | 4 | | Automated Flagger Assistance Device | Jan. 1, 2008 | |
| | 80173 | 5 | | Bituminous Materials Cost Adjustments | Nov. 2, 2006 | Aug. 1, 2013 |
| | 80241 | 6 | | Bridge Demolition Debris | July 1, 2009 | |
| | 5026I | 7 | | Building Removal-Case I (Non-Friable and Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| | 5048I | 8 | | Building Removal-Case II (Non-Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| | 5049I | 9 | | Building Removal-Case III (Friable Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| | 5053I | 10 | | Building Removal-Case IV (No Asbestos) | Sept. 1, 1990 | April 1, 2010 |
| * | 80310 | 11 | ✔ | Coated Galvanized Steel Conduit | Jan. 1, 2013 | Jan. 1, 2015 |
| * | 80341 | 12 | | Coilable Nonmetallic Conduit | Aug. 1, 2014 | Jan. 1, 2015 |
| | 80198 | 13 | | Completion Date (via calendar days) | April 1, 2008 | |
| | 80199 | 14 | | Completion Date (via calendar days) Plus Working Days | April 1, 2008 | |
| | 80293 | 15 | | Concrete Box Culverts with Skews > 30 Degrees and Design Fills ≤ 5 Feet | April 1, 2012 | April 1, 2014 |
| | 80294 | 16 | | Concrete Box Culverts with Skews ≤ 30 Degrees Regardless of Design Fill and Skews > 30 Degrees with Design Fills > 5 Feet | April 1, 2012 | April 1, 2014 |
| | 80311 | 17 | | Concrete End Sections for Pipe Culverts | Jan. 1, 2013 | |
| | 80334 | 18 | ✔ | Concrete Gutter, Curb, Median, and Paved Ditch | April 1, 2014 | Aug. 1, 2014 |
| | 80277 | 19 | | Concrete Mix Design – Department Provided | Jan. 1, 2012 | Jan. 1, 2014 |
| | 80261 | 20 | ✔ | Construction Air Quality – Diesel Retrofit | June 1, 2010 | Nov. 1, 2014 |
| | 80335 | 21 | ✔ | Contract Claims | April 1, 2014 | |
| | 80029 | 22 | ✔ | Disadvantaged Business Enterprise Participation | Sept. 1, 2000 | Aug. 2, 2011 |
| | 80265 | 23 | ✔ | Friction Aggregate | Jan. 1, 2011 | Nov. 1, 2014 |
| | 80229 | 24 | | Fuel Cost Adjustment | April 1, 2009 | July 1, 2009 |
| | 80329 | 25 | | Glare Screen | Jan. 1, 2014 | |
| | 80304 | 26 | | Grooving for Recessed Pavement Markings | Nov. 1, 2012 | Aug. 1, 2014 |
| | 80246 | 27 | ✔ | Hot-Mix Asphalt – Density Testing of Longitudinal Joints | Jan. 1, 2010 | April 1, 2012 |
| | 80322 | 28 | | Hot-Mix Asphalt – Mixture Design Composition and Volumetric Requirements | Nov. 1, 2013 | Nov. 1, 2014 |
| | 80323 | 29 | | Hot-Mix Asphalt – Mixture Design Verification and Production | Nov. 1, 2013 | Nov. 1, 2014 |
| | 80347 | 30 | | Hot-Mix Asphalt – Pay for Performance Using Percent Within Limits – Jobsite Sampling | Nov. 1, 2014 | |
| | 80348 | 31 | ✔ | Hot-Mix Asphalt – Prime Coat | Nov. 1, 2014 | |
| | 80315 | 32 | | Insertion Lining of Culverts | Jan. 1, 2013 | Nov. 1, 2013 |
| * | 80351 | 33 | | Light Tower | Jan. 1, 2015 | |
| | 80336 | 34 | | Longitudinal Joint and Crack Patching | April 1, 2014 | |
| | 80324 | 35 | | LRFD Pipe Culvert Burial Tables | Nov. 1, 2013 | Nov. 1, 2014 |
| | 80325 | 36 | ✔ | LRFD Storm Sewer Burial Tables | Nov. 1, 2013 | Nov. 1, 2014 |
| | 80045 | 37 | | Material Transfer Device | June 15, 1999 | Aug. 1, 2014 |
| * | 80342 | 38 | | Mechanical Side Tie Bar Inserter | Aug. 1, 2014 | Jan. 1, 2015 |
| | 80165 | 39 | | Moisture Cured Urethane Paint System | Nov. 1, 2006 | Jan. 1, 2010 |
| | 80337 | 40 | | Paved Shoulder Removal | April 1, 2014 | |
| | 80349 | 41 | | Pavement Marking Blackout Tape | Nov. 1, 2014 | |
| | 80298 | 42 | | Pavement Marking Tape Type IV | April 1, 2012 | |
| | 80254 | 43 | | Pavement Patching | Jan. 1, 2010 | |

| | File Name | # | | Special Provision Title | Effective | Revised |
|---|---|---|---|---|---|---|
| * | 80352 | 44 | | Pavement Striping - Symbols | Jan. 1, 2015 | |
| * | 80353 | 45 | | Portland Cement Concrete Inlay or Overlay | Jan. 1, 2015 | |
| | 80338 | 46 | | Portland Cement Concrete Partial Depth Hot-Mix Asphalt Patching | April 1, 2014 | |
| | 80343 | 47 | ✔ | Precast Concrete Handhole | Aug. 1, 2014 | |
| | 80300 | 48 | | Preformed Plastic Pavement Marking Type D - Inlaid | April 1, 2012 | |
| | 80328 | 49 | ✔ | Progress Payments | Nov. 2, 2013 | |
| | 3426I | 50 | ✔ | Railroad Protective Liability Insurance | Dec. 1, 1986 | Jan. 1, 2006 |
| | 80157 | 51 | ✔ | Railroad Protective Liability Insurance (5 and 10) | Jan. 1, 2006 | |
| | 80306 | 52 | | Reclaimed Asphalt Pavement (RAP) and Reclaimed Asphalt Shingles (RAS) | Nov. 1, 2012 | April 1, 2014 |
| | 80350 | 53 | | Retroreflective Sheeting for Highway Signs | Nov. 1, 2014 | |
| | 80327 | 54 | ✔ | Reinforcement Bars | Nov. 1, 2013 | |
| | 80344 | 55 | | Rigid Metal Conduit | Aug. 1, 2014 | |
| * | 80354 | 56 | ✔ | Sidewalk, Corner, or Crosswalk Closure | Jan. 1, 2015 | |
| | 80340 | 57 | | Speed Display Trailer | April 2, 2014 | |
| | 80127 | 58 | | Steel Cost Adjustment | April 2, 2004 | April 1, 2009 |
| | 80317 | 59 | | Surface Testing of Hot-Mix Asphalt Overlays | Jan. 1, 2013 | |
| * | 80355 | 60 | | Temporary Concrete Barrier | Jan. 1, 2015 | |
| | 80301 | 61 | | Tracking the Use of Pesticides | Aug. 1, 2012 | |
| * | 80356 | 62 | | Traffic Barrier Terminals Type 6 or 6B | Jan. 1, 2015 | |
| | 20338 | 63 | | Training Special Provisions | Oct. 15, 1975 | |
| | 80318 | 64 | | Traversable Pipe Grate | Jan. 1, 2013 | April 1, 2014 |
| | 80345 | 65 | | Underpass Luminaire | Aug. 1, 2014 | |
| * | 80357 | 66 | | Urban Half Road Closure with Mountable Median | Jan. 1, 2015 | |
| | 80346 | 67 | | Waterway Obstruction Warning Luminaire | Aug. 1, 2014 | |
| | 80288 | 68 | ✔ | Warm Mix Asphalt | Jan. 1, 2012 | Nov. 1, 2014 |
| | 80302 | 69 | ✔ | Weekly DBE Trucking Reports | June 2, 2012 | |
| | 80289 | 70 | | Wet Reflective Thermoplastic Pavement Marking | Jan. 1, 2012 | |
| | 80071 | 71 | ✔ | Working Days | Jan. 1, 2002 | |

The following special provisions are in the 2015 Supplemental Specifications and Recurring Special Provisions:

| File Name | Special Provision Title | New Location | Effective | Revised |
|---|---|---|---|---|
| 80292 | Coarse Aggregate in Bridge Approach Slabs/Footings | Articles 1004.01(b) and 1004.02(f) | April 1, 2012 | April 1, 2013 |
| 80303 | Granular Materials | Articles 1003.04, 1003.04(c), and 1004.05(c) | Nov. 1, 2012 | |
| 80330 | Pavement Marking for Bike Symbol | Article 780.14 | Jan. 1, 2014 | |
| 80331 | Payrolls and Payroll Records | Recurring CS #1 and #5 | Jan. 1, 2014 | |
| 80332 | Portland Cement Concrete – Curing of Abutments and Piers | Article 1020.13 | Jan. 1, 2014 | |
| 80326 | Portland Cement Concrete Equipment | Article 1103.03(a)(5) | Nov. 1, 2013 | |
| 80281 | Quality Control/Quality Assurance of Concrete Mixtures | Recurring CS #31 | Jan. 1, 2012 | Jan. 1, 2014 |
| 80283 | Removal and Disposal of Regulated Substances | Articles 669.01, 669.08, 669.09, 669.14, and 669.16 | Jan. 1, 2012 | Nov. 2, 2012 |
| 80319 | Removal and Disposal of Surplus Materials | Article 202.03 | Nov. 2, 2012 | |
| 80307 | Seeding | Article 250.07 | Nov. 1, 2012 | |
| 80339 | Stabilized Subbase | Article 312.06 | April 1, 2014 | |
| 80333 | Traffic Control Setup and Removal Freeway/Expressway | Articles 701.18(l) and 701.19(a) | Jan. 1, 2014 | |

The following special provisions require additional information from the designer. The additional information needs to be included in a separate document attached to this check sheet. The Project Development and Implementation section will then include the information in the applicable special provision. The Special Provisions are:

- Bridge Demolition Debris
- Building Removal-Case I
- Building Removal-Case II
- Building Removal-Case III
- Building Removal-Case IV
- Completion Date
- Completion Date Plus Working Days
- DBE Participation
- Material Transfer Device
- Railroad Protective Liability Insurance
- Training Special Provisions
- Working Days

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LR 105
LR 107-4
LR 702
BDE Special Provisions
PSI Report

# STATE OF ILLINOIS
# SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Road and Bridge Construction", adopted January 1, 2012, the latest edition of the "Manual on Uniform Traffic Control Devices for Streets and Highways", the "Manual of Test Procedures for Materials" in effect on the date of invitation for bids and the "Supplemental Specifications and Recurring Special Provisions" indicated on the Check Sheet included herein which apply to and govern the construction of N. Ardmore Avenue, Section No. 10-00091-00-LS, Project No. TE-00D1(892), in DuPage County. In case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

Contract No. 61B07

## LOCATION OF PROJECT

This project begins at the intersection of Terrace Street and Ardmore Avenue at Station 201+49.21. The project extends in a northerly direction for a distance of 2,820 feet to Station 229+70.17 at the intersection of Schiller Street and Ardmore Avenue, south of North Avenue in the Village of Villa Park, DuPage County. The net and gross project length is 2,820 (0.53 miles).

## DESCRIPTION OF PROJECT

The work consists of pavement widening to the east of Ardmore Avenue, between Terrace Street and Vermont Street, to accommodate angular on-street parking, installation of ornamental lights, landscaping, and all incidental and collateral work necessary to complete the improvement as shown on the plans and as described herein.

## MAINTENANCE OF ROADWAYS

Effective: September 30, 1985 Revised: November 1, 1996

Beginning on the date that work begins on this project, the Contractor shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by the Engineer.

If items of work have not been provided in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

## WORK ZONE TRAFFIC CONTROL (D-1 MAINTENANCE)

Effective: May 30, 2006
Revised: June 15, 2010

Revise Article 701.19 Method of Measurement to read:

"Traffic Control and Protection will not be measured for payment."

Revise Article 701.20 Basis of Payment to read:

"(a) Traffic Control and Protection will not be paid for as separate items, but the costs shall be considered as included in the contract unit prices for the construction items involved, and no additional compensation will be allowed.

(b) Work or revisions in the phasing of construction or maintenance operations may require traffic control to be installed in accordance with a Standard other than those included in the plans. In such cases, the Standards will be made available to the Contractor at least one week in advance of the change in traffic control. Payment for traffic control required by these added Standards will be according to Article 109.04. Revisions or modifications to increase the traffic control protection shown in the contract shall be submitted by the Contractor for approval by the Engineer. A reduction of the traffic control shown in the contract will not be allowed."

**STATUS OF UTILITIES TO BE ADJUSTED**
Effective: January 30, 1987
Revised: January 24, 2013

Utilities companies involved in this project have provided the following estimated durations:

| Name of Utility | Type | Location | Estimated Dates for Start and Completion of Relocation or Adjustments |
|---|---|---|---|
| Village of Villa Park<br>Vydas Juskelis, P.E.<br>20 S. Ardmore Ave.<br>Villa Park, IL 60181<br>630-834-8505 | Sanitary | Within the ROW on the north and south side of Ardmore Avenue with multiple crossings | Adjustments to be included in this contract. |
| Village of Villa Park<br>Vydas Juskelis, P.E.<br>20 S. Ardmore Ave.<br>Villa Park, IL 60181<br>630-834-8505 | Water | Within the ROW on the north and south side of Ardmore Avenue with multiple crossings | Adjustments to be included in this contract. |
| Village of Villa Park<br>Vydas Juskelis, P.E.<br>20 S. Ardmore Ave.<br>Villa Park, IL 60181<br>630-834-8505 | Storm | Within the ROW on the north and south side of Ardmore Avenue with multiple crossings | Adjustments to be included in this contract. |
| AT&T<br>Richard Kopec<br>1000 Commerce Drive<br>Oakbrook, IL 60523<br>630-573-5726 | Underground Telephone MHs | Within the ROW on the southeast corner of Ardmore Avenue and Plymouth Street and northeast corner of Ardmore Avenue and Ridge Road. | No adjustments anticipated |

| | | | |
|---|---|---|---|
| Comcast<br>Ted Wyman<br>688 Industrial Drive<br>Elmhurst, IL 60126<br>630-600-6349 | Aerial<br>Cable TV | Within the ROW along Ardmore Avenue | No adjustments anticipated |
| ComEd | Aerial<br>Electric | Within the ROW on both the north and south sides of Ardmore Avenue with crossing at Ridge Road. | Existing light pole to be relocated by ComEd<br>Station 216+71.16; 31.5'RT |
| Nicor<br>Constance Lane<br>1844 Ferry Road<br>Naperville, IL 60563<br>630-388-3830 | Underground<br>Gas-line | Within the ROW, on the north and south side of Ardmore Avenue with multiple crossings. | No adjustments anticipated |
| DuPage Water Commission<br>Michael Schweizer<br>600 E Butterfield Road<br>Elmhurst, IL 60126 | Water | Within the ROW on the north and south side of Ardmore Avenue with multiple crossings | No adjustments anticipated |

The above represents the best information available to the Department and is included for the convenience of the bidder. The applicable portions of Articles 105.07 and 107.31 of the Standard Specifications shall apply.

In accordance with 605 ILCS 5/9-113 of the Illinois Compiled Statutes, utility companies have 90 days to complete the relocation of their facilities after receipt of written notice from the Department. The 90-day written notice will be sent to the utility companies after the following occurs:

1) Proposed right of way is clear for contract award.
2) Final plans have been sent to and received by the utility company.
3) Utility permit is received by the Department and the Department is ready to issue said permit.
4) If a permit has not been submitted, a 15 day letter is sent to the utility company notifying them they have 15 days to provide their permit application. After allowing 15 days for submission of the permit the 90 day notice is sent to the utility company.
5) Any time within the 90 day relocation period the utility company may request a waiver for additional time to complete their relocation. The Department has 10 days to review and respond to a waiver request.

**ADJUSTMENTS AND RECONSTRUCTIONS**
Effective: March 15, 2011

Revise the first paragraph of Article 602.04 to read:

"**602.04 Concrete.** Cast-in-place concrete for structures shall be constructed of Class SI concrete according to the applicable portions of Section 503. Cast-in-place concrete for

pavement patching around adjustments and reconstructions shall be constructed of Class PP-1 concrete, unless otherwise noted in the plans, according to the applicable portions of Section 1020."

Revise the third, fourth and fifth sentences of the second paragraph of Article 602.11(c) to read:

"Castings shall be set to the finished pavement elevation so that no subsequent adjustment will be necessary, and the space around the casting shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.05 to read:

"**603.05 Replacement of Existing Flexible Pavement.** After the castings have been adjusted, the surrounding space shall be filled with Class PP-1 concrete, unless otherwise noted in the plans, to the elevation of the surface of the base course or binder course. HMA surface or binder course material shall not be allowed. The pavement may be opened to traffic according to Article 701.17(e)(3)b."

Revise Article 603.06 to read:

"**603.06 Replacement of Existing Rigid Pavement.** After the castings have been adjusted, the pavement and HMA that was removed, shall be replaced with Class PP-1 concrete, unless otherwise noted in the plans, not less than 9 in. (225 mm) thick. The pavement may be opened to traffic according to Article 701.17(e)(3)b.

The surface of the Class PP concrete shall be constructed flush with the adjacent surface."

Revise the first sentence of Article 603.07 to read:

"**603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b."

**COARSE AGGREGATE FOR BACKFILL, TRENCH BACKFILL AND BEDDING (D-1)**
Effective: November 1, 2011
Revised: November 1, 2013

This work shall be according to Section 1004.05 of the Standard Specifications except for the following:

Reclaimed Asphalt Pavement (RAP) maybe blended with gravel, crushed gravel, crushed stone crushed concrete, crushed slag, chats, crushed sand stone or wet bottom boiler slag. The RAP used shall be according to the current Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Pavement (RAP) for Aggregate Applications". The RAP shall be uniformly graded and shall pass the 1.0 in. (25 mm) screen. When RAP is blended with any of the coarse aggregate listed above, the blending shall be done mechanically with calibrated

feeders. The feeders shall have an accuracy of ± 2.0 percent of the actual quantity of material delivered. The final blended product shall not contain more than 40 percent by weight RAP.

The coarse aggregate listed above shall meet CA 6 and CA 10 gradations prior to being blended with the processed and uniformly graded RAP. Gradation deleterious count shall not exceed 10% of total RAP and 5% of other by total weight.

**DRAINAGE AND INLET PROTECTION UNDER TRAFFIC (D-1)**
Effective: April 1, 2011
Revised: April 2, 2011

Add the following to Article 603.02 of the Standard Specifications:

(i) Temporary Hot-Mix Asphalt (HMA) Ramp (Note 1) …… ..... 1030
(j) Temporary Rubber Ramps (Note 2)

Note 1. The HMA shall have maximum aggregate size of 3/8 in. (95 mm).

Note 2. The rubber material shall be according to the following.

| Property | Test Method | Requirement |
|---|---|---|
| Durometer Hardness, Shore A | ASTM D 2240 | 75 ±15 |
| Tensile Strength, psi (kPa) | ASTM D 412 | 300 (2000) min |
| Elongation, percent | ASTM D 412 | 90 min |
| Specific Gravity | ASTM D 792 | 1.0 - 1.3 |
| Brittleness, °F (°C) | ASTM D 746 | -40 (-40)” |

Revise Article 603.07 of the Standard Specifications to read:

“**603.07 Protection Under Traffic.** After the casting has been adjusted and the Class PP concrete has been placed, the work shall be protected by a barricade and two lights according to Article 701.17(e)(3)b.

When castings are under traffic before the final surfacing operation has been started, properly sized temporary ramps shall be placed around the drainage and/or utility castings according to the following methods.

(a) Temporary Asphalt Ramps. Temporary hot-mix asphalt ramps shall be placed around the casting, flush with its surface and decreasing to a featheredge in a distance of 2 ft (600 mm) around the entire surface of the casting.

(b) Temporary Rubber Ramps. Temporary rubber ramps shall only be used on roadways with permanent posted speeds of 40 mph or less and when the height of the casting to be protected meets the proper sizing requirements for the rubber ramps as shown below.

| Dimension | Requirement |
|---|---|
| Inside Opening | Outside dimensions of casting + 1 in. (25 mm) |
| Thickness at inside edge | Height of casting ± 1/4 in. (6 mm) |
| Thickness at outside edge | 1/4 in. (6 mm) max. |
| Width, measured from inside opening to outside edge | 8 1/2 in. (215 mm) min |

Placement shall be according to the manufacturer's specifications.

Temporary ramps for castings shall remain in place until surfacing operations are undertaken within the immediate area of the structure. Prior to placing the surface course, the temporary ramp shall be removed. Excess material shall be disposed of according to Article 202.03."

**SLIPFORM PAVING (D-1)**
Effective: November 1, 2014

Revise Article 1020.04 Table 1, Note (5) of Standard Specifications to read:

"The slump range for slipform construction shall be 1/2 to 1 1/2 in."

Revise Article 1020.04 Table 1 (metric), Note (5) of Standard Specifications to read:

"The slump range for slipform construction shall be 13 to 40 mm."

**GROUND TIRE RUBBER (GTR) MODIFIED ASPHALT BINDER (D-1)**
Effective: June 26, 2006
Revised: January 1, 2013

Add the following to the end of article 1032.05 of the Standard Specifications:

"(c) Ground Tire Rubber (GTR) Modified Asphalt Binder. A quantity of 10.0 to 14.0 percent GTR (Note 1) shall be blended by dry unit weight with a PG 64-28 to make a GTR 70-28 or a PG 58-28 to make a GTR 64-28. The base PG 64-28 and PG 58-28 asphalt binders shall meet the requirements of Article 1032.05(a). Compatible polymers may be added during production. The GTR modified asphalt binder shall meet the requirements of the following table.

| Test | Asphalt Grade GTR 70-28 | Asphalt Grade GTR 64-28 |
|---|---|---|
| Flash Point (C.O.C.), AASHTO T 48, °F (°C), min. | 450 (232) | 450 (232) |

| | | |
|---|---|---|
| Rotational Viscosity,<br>AASHTO T 316 @ 275 °F (135 °C), Poises, Pa·s, max. | 30 (3) | 30 (3) |
| Softening Point,<br>AASHTO T 53, °F (°C), min. | 135 (57) | 130 (54) |
| Elastic Recovery,<br>ASTM D 6084, Procedure A (sieve waived) @ 77 °F, (25 °C), aged, ss, 100 mm elongation, 5 cm/min., cut immediately, %, min. | 65 | 65 |

Note 1. GTR shall be produced from processing automobile and/or light truck tires by the ambient grinding method. GTR shall not exceed 1/16 in. (2 mm) in any dimension and shall contain no free metal particles or other materials. A mineral powder (such as talc) meeting the requirements of AASHTO M 17 may be added, up to a maximum of four percent by weight of GTR to reduce sticking and caking of the GTR particles. When tested in accordance with Illinois modified AASHTO T 27, *a* 50 g sample of the GTR shall conform to the following gradation requirements:

| Sieve Size | Percent Passing |
|---|---|
| No. 16 (1.18 mm) | 100 |
| No. 30 (600 μm) | 95 ± 5 |
| No. 50 (300 μm) | > 20 |

Add the following to the end of Note 1. of article 1030.03 of the Standard Specifications:

"A dedicated storage tank for the Ground Tire Rubber (GTR) modified asphalt binder shall be provided. This tank must be capable of providing continuous mechanical mixing throughout by continuous agitation and recirculation of the asphalt binder to provide a uniform mixture. The tank shall be heated and capable of maintaining the temperature of the asphalt binder at 300 °F to 350 °F (149 °C to 177 °C). The asphalt binder metering systems of dryer drum plants shall be calibrated with the actual GTR modified asphalt binder material with an accuracy of ± 0.40 percent."

Revise 1030.02(c) of the Standard Specifications to read:

"(c) RAP Materials (Note 3) ……..…..1031"

Add the following note to 1030.02 of the Standard Specifications:

Note 3. When using reclaimed asphalt pavement and/or reclaimed asphalt shingles, the maximum asphalt binder replacement percentage shall be according to the most recent special provision for recycled materials.

**HMA MIXTURE DESIGN REQUIREMENTS (D-1)**
Effective: January 1, 2013
Revised: November 1, 2014

**1) Design Composition and Volumetric Requirements**

Revise the last sentence of the first paragraph of Article 312.05 of the Standard Specifications to read:

"The minimum compacted thickness of each lift shall be according to Article 406.06(d)."

Delete the minimum compacted lift thickness table in Article 312.05 of the Standard Specifications.

Revise the second paragraph of Article 355.02 of the Standard Specifications to read:

"The mixture composition used shall be IL-19.0."

Revise Article 355.05(a) of the Standard Specifications to read:
"(a) The top lift thickness shall be 2 1/4 in. (60 mm) for mixture composition IL-19.0."

Revise the Leveling Binder table and second paragraph of Article 406.05(c) of the Standard Specifications to read:

| "Leveling Binder | |
|---|---|
| Nominal, Compacted, Leveling Binder Thickness, in. (mm) | Mixture Composition |
| ≤ 1 1/4 (32) | IL-4.75, IL-9.5, or IL-9.5L |
| > 1 1/4 to 2 (32 to 50) | IL-9.5 or IL-9.5L |

The density requirements of Article 406.07(c) shall apply for leveling binder, machine method, when the nominal compacted thickness is: 3/4 in. (19 mm) or greater for IL-4.75 mixtures; and 1 1/4 in. (32 mm) or greater for IL-9.5 and IL-9.5L mixtures."

Revise the table in Article 406.06(d) of the Standard Specifications to read:

| "MINIMUM COMPACTED LIFT THICKNESS | |
|---|---|
| Mixture Composition | Thickness, in. (mm) |
| IL-4.75 | 3/4 (19) |
| SMA-9.5, IL-9.5, IL-9.5L | 1 1/2 (38) |
| SMA-12.5 | 2 (50) |
| IL-19.0, IL-19.0L | 2 1/4 (57)" |

Revise the ninth paragraph of Article 406.14 of the Standard Specifications to read:
"Test strip mixture will be evaluated at the contract unit price according to the following."

Revise Article 406.14(a) of the Standard Specifications to read:

"(a) If the HMA placed during the initial test strip is determined to be acceptable the mixture will be paid for at the contract unit price."

Revise Article 406.14(b) of the Standard Specifications to read:

"(b) If the HMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was not produced within 2.0 to 6.0 percent air voids or within the individual control limits of the JMF according to the Department's test results, the mixture will not be paid for and shall be removed at the Contractor's expense. An additional test strip shall be constructed and the mixture will be paid for in full, if produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF."

Revise Article 406.14(c) of the Standard Specifications to read:

"(c) If the HMA placed during the initial test strip (1) is determined to be unacceptable to remain in place by the Engineer, and (2) was produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF according to the Department's test results, the mixture shall be removed. Removal will be paid according to Article 109.04. This initial mixture will be paid for at the contract unit price. An additional test strip shall be constructed and the mixture will be paid for in full, if produced within 2.0 to 6.0 percent air voids and within the individual control limits of the JMF."

Delete Article 406.14(d) of the Standard Specifications.

Delete Article 406.14(e) of the Standard Specifications.

Delete the last sentence of Article 407.06(c) of the Standard Specifications.

Revise Note 2. of Article 442.02 of the Standard Specifications to read:

"Note 2. The mixture composition of the HMA used shall be IL-19.0 binder, designed with the same Ndesign as that specified for the mainline pavement."

Delete the second paragraph of Article 482.02 of the Standard Specifications.

Revise the first sentence of the sixth paragraph of Article 482.05 of the Standard Specifications to read:

"When the mainline HMA binder and surface course mixture option is used on resurfacing projects, shoulder resurfacing widths of 6 ft (1.8 m) or less may be placed simultaneously with the adjacent traffic lane for both the binder and surface courses."

Revise the second sentence of the fourth paragraph of Article 601.04 of the Standard Specifications to read:

"The top 5 in. (125 mm) of the trench shall be backfilled with an IL-19.0L Low ESAL mixture meeting the requirements of Section 1030 and compacted to a density of not less than 90 percent of the theoretical density."

Revise the second sentence of the fifth paragraph of Article 601.04 of the Standard Specifications to read:

"The top 8 in. (200 mm) of the trench shall be backfilled with an IL-19.0L Low ESAL mixture meeting the requirements of Section 1030 and compacted to a density of not less than 90 percent of the theoretical density."

Revise Article 1003.03(c) of the Standard Specifications to read:

"(c) Gradation. The fine aggregate gradation for all HMA shall be FA 1, FA 2, FA 20, FA 21, or FA 22. The fine aggregate gradation for SMA shall be FA/FM 20.

For mixture IL-4.75 and surface mixtures with an Ndesign = 90, at least 50 percent of the required fine aggregate fraction shall consist of either stone sand, slag sand, or steel slag meeting the FA 20 gradation.

For mixture IL-19.0, Ndesign = 90 the fine aggregate fraction shall consist of at least 67 percent manufactured sand meeting FA 20 or FA 22 gradation. For mixture IL-19.0, Ndesign = 50 or 70 the fine aggregate fraction shall consist of at least 50 percent manufactured sand meeting FA 20 or FA 22 gradation. The manufactured sand shall be stone sand, slag sand, steel slag sand, or combinations thereof.

Gradation FA 1, FA 2, or FA 3 shall be used when required for prime coat aggregate application for HMA."

Delete the last sentence of the first paragraph of Article 1004.03(b) of the Standard Specifications.

Revise the table in Article 1004.03(c) of the Standard Specifications to read:

| "Use | Size/Application | Gradation No. |
|---|---|---|
| Class A-1, 2, & 3 | 3/8 in. (10 mm) Seal | CA 16 |
| Class A-1 | 1/2 in. (13 mm) Seal | CA 15 |
| Class A-2 & 3 | Cover | CA 14 |
| HMA High ESAL | IL-19.0<br>IL-9.5 | CA 11 [1/]<br>CA 16, CA 13 [3/] |
| HMA Low ESAL | IL-19.0L<br>IL-9.5L<br>Stabilized Subbase<br>or Shoulders | CA 11 [1/]<br>CA 16 |
| SMA [2/] | 1/2 in. (12.5mm)<br>Binder & Surface<br>IL 9.5<br>Surface | CA13 [3/], CA14 or CA16<br><br>CA16, CA 13 [3/] |

1/ CA 16 or CA 13 may be blended with the gradations listed.
2/ The coarse aggregates used shall be capable of being combined with stone sand, slag sand, or steel slag sand

meeting the FA/FM 20 gradation and mineral filler to meet the approved mix design and the mix requirements noted herein.

3/ CA 13 shall be 100 percent passing the 1/2 in. (12.5mm) sieve.

Revise Article 1004.03(e) of the Supplemental Specifications to read:

"(e) Absorption. For SMA the coarse aggregate shall also have water absorption ≤ 2.0 percent."

Revise the nomenclature table in Article 1030.01 of the Standard Specifications to read:

| | |
|---|---|
| "High ESAL | IL-19.0 binder; IL-9.5 surface; IL-4.75; SMA-12.5, SMA-9.5 |
| Low ESAL | IL-19.0L binder; IL-9.5L surface; Stabilized Subbase (HMA)[1/]; HMA Shoulders[2/] |

1/ Uses 19.0L binder mix.

2/ Uses 19.0L for lower lifts and 9.5L for surface lift."

Revise Article 1030.02 of the Standard Specifications and Supplemental Specifications to read:

"**1030.02 Materials.** Materials shall be according to the following.

| Item | Article/Section |
|---|---|
| (a) | Coarse Aggregate 1004.03 |
| (b) | Fine Aggregate 1003.03 |
| (c) | RAP Material 1031 |
| (d) | Mineral Filler 1011 |
| (e) | Hydrated Lime 1012.01 |
| (f) | Slaked Quicklime (Note 1) |
| (g) | Performance Graded Asphalt Binder (Note 2) 1032 |
| (h) | Fibers (Note 3) |
| (i) | Warm Mix Asphalt (WMA) Technologies (Note 4) |

Note 1. Slaked quicklime shall be according to ASTM C 5.

Note 2. The asphalt binder shall be an SBS PG 76-28 when the SMA is used on a full-depth asphalt pavement and SBS PG 76-22 when used as an overlay, except where modified herein. The asphalt binder shall be an Elvaloy or SBS PG 76-22 for IL-4.75, except where modified herein. The elastic recovery shall be a minimum of 80.

Note 3. A stabilizing additive such as cellulose or mineral fiber shall be added to the SMA mixture according to Illinois Modified AASHTO M 325. The stabilizing additive shall meet the Fiber Quality Requirements listed in Illinois Modified AASHTO M 325. Prior to approval and use of fibers, the Contractor shall submit a notarized certification by the

producer of these materials stating they meet these requirements. Reclaimed Asphalt Shingles (RAS) may be used in Stone Matrix Asphalt (SMA) mixtures designed with an SBA polymer modifier as a fiber additive if the mix design with RAS included meets AASHTO T305 requirements. The RAS shall be from a certified source that produces either Type I or Type 2. Material shall meet requirements noted herein and the actual dosage rate will be determined by the Engineer.

Note 4. Warm mix additives or foaming processes shall be selected from the current Bureau of Materials and Physical Research Approved List, "Warm Mix Asphalt Technologies"."

Revise Article 1030.04(a)(1) of the Standard Specifications and the Supplemental Specifications to read:

"(1) High ESAL Mixtures. The Job Mix Formula (JMF) shall fall within the following limits.

| High ESAL, MIXTURE COMPOSITION (% PASSING) [1/] | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Sieve Size | IL-19.0 mm | | SMA [4/] IL-12.5 mm | | SMA [4/] IL-9.5 mm | | IL-9.5 mm | | IL-4.75 mm | |
| | min | max | min | max | min | max | min | max | min | max |
| 1 1/2 in (37.5 mm) | | | | | | | | | | |
| 1 in. (25 mm) | | 100 | | | | | | | | |
| 3/4 in. (19 mm) | 90 | 100 | | 100 | | | | | | |
| 1/2 in. (12.5 mm) | 75 | 89 | 80 | 100 | | 100 | | 100 | | 100 |
| 3/8 in. (9.5 mm) | | | | 65 | 90 | 100 | 90 | 100 | | 100 |
| #4 (4.75 mm) | 40 | 60 | 20 | 30 | 36 | 50 | 34 | 69 | 90 | 100 |
| #8 (2.36 mm) | 20 | 42 | 16 | 24 [5/] | 16 | 32 [5/] | 34 [6/] | 52 [2/] | 70 | 90 |
| #16 (1.18 mm) | 15 | 30 | | | | | 10 | 32 | 50 | 65 |
| #30 (600 μm) | | | 12 | 16 | 12 | 18 | | | | |
| #50 (300 μm) | 6 | 15 | | | | | 4 | 15 | 15 | 30 |
| #100 (150 μm) | 4 | 9 | | | | | 3 | 10 | 10 | 18 |
| #200 (75 μm) | 3 | 6 | 7.0 | 9.0 [3/] | 7.5 | 9.5 [3/] | 4 | 6 | 7 | 9 [3/] |
| Ratio Dust/Asphalt Binder | | 1.0 | | 1.5 | | 1.5 | | 1.0 | | 1.0 |

1/ Based on percent of total aggregate weight.

2/ The mixture composition shall not exceed 44 percent passing the #8 (2.36 mm) sieve for surface courses with Ndesign = 90.

3/ Additional minus No. 200 (0.075 mm) material required by the mix design shall be mineral filler, unless otherwise approved by the Engineer.

4/ The maximum percent passing the #635 (20 μm) sieve shall be ≤ 3 percent.

5/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted above the percentage stated on the table.

6/ When establishing the Adjusted Job Mix Formula (AJMF) the percent passing the #8 (2.36 mm) sieve shall not be adjusted below 34 percent.

Delete Article 1030.04(a)(3) of the Standard Specifications.

Delete Article 1030.04(a)(4) of the Standard Specifications.

Revise Article 1030.04(b)(1) of the Standard Specifications to read:

"(1) High ESAL Mixtures. The target value for the air voids of the HMA shall be 4.0 percent and for IL-4.75 it shall be 3.5 percent at the design number of gyrations. The VMA and VFA of the HMA design shall be based on the nominal maximum size of the aggregate in the mix, and shall conform to the following requirements.

| VOLUMETRIC REQUIREMENTS<br>High ESAL | | | | |
|---|---|---|---|---|
| | Voids in the Mineral Aggregate (VMA),<br>% minimum | | | Voids Filled with Asphalt Binder (VFA),<br>% |
| Ndesign | IL-19.0 | IL-9.5 | IL-4.75 1/ | |
| 50 | 13.5 | 15.0 | 18.5 | 65 – 78 2/ |
| 70 | | | | 65 - 75 |
| 90 | | | | |

1/ Maximum Draindown for IL-4.75 shall be 0.3 percent

2/ VFA for IL-4.75 shall be 72-85 percent"

Revise the table in Article 1030.04(b)(2) of the Standard Specifications to read:

| "VOLUMETRIC REQUIREMENTS<br>Low ESAL | | | | |
|---|---|---|---|---|
| Mixture Composition | Design Compactive Effort | Design Air Voids Target % | VMA (Voids in the Mineral Aggregate), % min. | VFA (Voids Filled with Asphalt Binder), % |
| IL-9.5L | $N_{DES}$ =30 | 4.0 | 15.0 | 65-78 |
| IL-19.0L | $N_{DES}$ =30 | 4.0 | 13.5 | N/A" |

Replace Article 1030.04(b)(3) of the Standard Specifications with the following:

"(3) SMA Mixtures.

| Volumetric Requirements SMA [1/] | | | |
|---|---|---|---|
| Ndesign | Design Air Voids Target % | Voids in the Mineral Aggregate (VMA), % min. | Voids Filled with Asphalt (VFA), % |
| 80 [4/] | 3.5 | 17.0 [2/] | 75 - 83 |
| | | 16.0 [3/] | |

1/ Maximum draindown shall be 0.3 percent. The draindown shall be determined at the JMF asphalt binder content at the mixing temperature plus 30 °F.

2/ Applies when specific gravity of coarse aggregate is ≥ 2.760.

3/ Applies when specific gravity of coarse aggregate is < 2.760.

4/ Blending of different types of aggregate will not be permitted. For surface course, the coarse aggregate can be crushed steel slag, crystalline crushed stone or crushed sandstone. For binder course, coarse aggregate shall be crushed stone (dolomite), crushed gravel, crystalline crushed stone, or crushed sandstone.

Delete Article 1030.04(b)(4) of the Standard Specifications.

Delete Article 1030.04(b)(5) from the Supplemental Specifications.

Delete last sentence of the second paragraph of Article 1102.01(a) (13) a.

Add to second paragraph in Article 1102.01 (a) (13) a.:

"As an option, collected bag-house dust may be used in lieu of manufactured mineral filler, provided; 1) there is enough available for the production of the SMA mix for the entire project and 2) a mix design was prepared with collected bag-house dust."
Revise the table in Article 1030.05(d)(2)a. of the Standard Specifications to read:

| "Parameter | Frequency of Tests<br><br>High ESAL Mixture<br>Low ESAL Mixture | Test Method<br>See Manual of Test Procedures for Materials |
|---|---|---|
| Aggregate Gradation<br><br>% passing sieves:<br>1/2 in. (12.5 mm),<br>No. 4 (4.75 mm),<br>No. 8 (2.36 mm),<br>No. 30 (600 µm)<br>No. 200 (75 µm) | 1 washed ignition oven test on the mix per half day of production<br><br>Note 3. | Illinois Procedure |

| "Parameter | Frequency of Tests<br><br>High ESAL Mixture<br>Low ESAL Mixture | Test Method<br>See Manual of Test Procedures for Materials |
|---|---|---|
| Asphalt Binder Content by Ignition Oven<br><br>Note 1. | 1 per half day of production | Illinois-Modified AASHTO T 308 |
| VMA<br><br>Note 2. | Day's production ≥ 1200 tons:<br><br>1 per half day of production | Illinois-Modified AASHTO R 35 |
| | Day's production < 1200 tons:<br><br>1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day) | |
| Air Voids<br><br>Bulk Specific Gravity of Gyratory Sample<br><br>Note 4. | Day's production ≥ 1200 tons:<br><br>1 per half day of production | Illinois-Modified AASHTO T 312 |
| | Day's production < 1200 tons:<br><br>1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day) | |
| Maximum Specific Gravity of Mixture | Day's production ≥ 1200 tons:<br><br>1 per half day of production | Illinois-Modified AASHTO T 209 |
| | Day's production < 1200 tons:<br><br>1 per half day of production for first 2 days and 1 per day thereafter (first sample of the day) | |

Note 1. The Engineer may waive the ignition oven requirement for asphalt binder content if the aggregates to be used are known to have ignition asphalt binder content calibration factors which exceed 1.5 percent. If the ignition oven requirement is waived, other Department approved methods shall be used to determine the asphalt binder content.

Note 2. The $G_{sb}$ used in the voids in the mineral aggregate (VMA) calculation shall be the same average $G_{sb}$ value listed in the mix design.

Note 3. The Engineer reserves the right to require additional hot bin gradations for batch plants if control problems are evident.

Note 4. The WMA compaction temperature for mixture volumetric testing shall be 270 ± 5 °F (132 ± 3 °C) for quality control testing. The WMA compaction temperature for quality assurance testing will be 270 ± 5 °F (132 ± 3 °C) if the mixture is not allowed to cool to room temperature. If the mixture is allowed to cool to room temperature, it shall be reheated to standard HMA compaction temperatures."

Revise the table in Article 1030.05(d)(2)b. of the Standard Specifications to read:

| "Parameter | High ESAL Mixture<br>Low ESAL Mixture |
|---|---|
| Ratio<br>Dust/Asphalt Binder | 0.6 to 1.2 |
| Moisture | 0.3 %" |

Revise the Article 1030.05(d)(4) of the Supplemental Specifications to read:

"(4) Control Limits. Target values shall be determined by applying adjustment factors to the AJMF where applicable. The target values shall be plotted on the control charts within the following control limits.

| "CONTROL LIMITS | | | | | | |
|---|---|---|---|---|---|---|
| Parameter | High ESAL | | SMA | | IL-4.75 | |
| | Individual Test | Moving Avg. of 4 | Test | Moving Avg. of 4 | Individual Test | Moving Avg. of 4 |
| % Passing: 1/ | | | | | | |
| 1/2 in. (12.5 mm) | ± 6 % | ± 4 % | ± 6 % | ± 4 % | | |
| 3/8 in. (9.5mm) | | | ± 4 % | ± 3 % | | |
| No. 4 (4.75 mm) | ± 5 % | ± 4 % | ± 5 % | ± 4 % | | |
| No. 8 (2.36 mm) | ± 5 % | ± 3 % | ± 4 % | ± 2 % | | |
| No. 16 (1.18 mm) | | | ± 4 % | ± 2 % | ± 4 % | ± 3 % |
| No. 30 (600 µm) | ± 4 % | ± 2.5 % | ± 4 % | ± 2.5 % | | |
| Total Dust Content No. 200 (75 µm) | ± 1.5 % | ± 1.0 % | | | ± 1.5 % | ± 1.0 % |
| Asphalt Binder Content | ± 0.3 % | ± 0.2 % | ± 0.2 % | ± 0.1 % | ± 0.3 % | ± 0.2 % |
| Voids | ± 1.2 % | ± 1.0 % | ± 1.2 % | ± 1.0 % | ± 1.2 % | ± 1.0 % |
| VMA | -0.7 % 2/ | -0.5 % 2/ | -0.7 % 2/ | -0.5 % 2/ | -0.7 % 2/ | -0.5 % 2/ |

1/ Based on washed ignition oven

2/ Allowable limit below minimum design VMA requirement

| DENSITY CONTROL LIMITS | | |
|---|---|---|
| Mixture Composition | Parameter | Individual Test |
| IL-4.75 | Ndesign = 50 | 93.0 - 97.4 % 1/ |
| IL-9.5 | Ndesign = 90 | 92.0 - 96.0 % |
| IL-9.5,IL-9.5L | Ndesign < 90 | 92.5 - 97.4 % |
| IL-19.0 | Ndesign = 90 | 93.0 - 96.0 % |
| IL-19.0, IL-19.0L | Ndesign < 90 | 93.0 2/- 97.4 % |
| SMA | Ndesign = 80 | 93.5 - 97.4 % |

1/ Density shall be determined by cores or by correlated, approved thin lift nuclear gauge.

2/ 92.0 % when placed as first lift on an unimproved subgrade."

Revise the table in Article 1030.05(d)(5) of the Supplemental Specifications to read:

| "CONTROL CHART REQUIREMENTS | High ESAL, Low ESAL, SMA & IL-4.75 |
|---|---|
| Gradation 1/ 3/ | % Passing Sieves:<br>1/2 in. (12.5 mm) 2/<br>No. 4 (4.75 mm)<br>No. 8 (2.36 mm)<br>No. 30 (600 µm) |
| Total Dust Content 1/ | No. 200 (75 µm) |
| | Asphalt Binder Content |
| | Bulk Specific Gravity |
| | Maximum Specific Gravity of Mixture |
| | Voids |
| | Density |
| | VMA |

1/ Based on washed ignition oven.

2/ Does not apply to IL-4.75.

3/ SMA also requires the 3/8 in. (9.5 mm) sieve."

Delete Article 1030.05(d)(6)a.1.(b.) of the Standard Specifications.

Delete Article 1030.06(b) of the Standard Specifications.

Delete Article 1102.01(e) of the Standard Specifications.

**2) Design Verification and Production**

Description. The following states the requirements for Hamburg Wheel and Tensile Strength testing for High ESAL, IL-4.75, and Stone Matrix Asphalt (SMA) hot-mix asphalt (HMA) mixes during mix design verification and production.

Mix Design Testing. Add the following below the referenced AASHTO standards in Article 1030.04 of the Standard Specifications:

AASHTO T 324 Hamburg Wheel Test

AASHTO T 283 Tensile Strength Test

Add the following to Article 1030.04 of the Standard Specifications:

"(d) Verification Testing. High ESAL, IL-4.75, and SMA mix designs submitted for verification will be tested to ensure that the resulting mix designs will pass the required criteria for the Hamburg Wheel Test (IL mod AASHTO T-324) and the Tensile Strength Test (IL mod AASHTO T-283). The Department will perform a verification test on gyratory specimens compacted by the Contractor. If the mix fails the Department's verification test, the Contractor shall make the necessary changes to the mix and resubmit compacted specimens to the Department for verification. If the mix fails again, the mix design will be rejected.

All new and renewal mix designs will be required to be tested, prior to submittal for Department verification and shall meet the following requirements:

(1) Hamburg Wheel Test criteria. The maximum allowable rut depth shall be 0.5 in. (12.5 mm). The minimum number of wheel passes at the 0.5 in. (12.5 mm) rut depth criteria shall be based on the high temperature binder grade of the mix as specified in the mix requirements table of the plans.

Illinois Modified AASHTO T 324 Requirements [1/]

| Asphalt Binder Grade | # Repetitions | Max Rut Depth (mm) |
|---|---|---|
| PG 70 -XX (or higher) | 20,000 | 12.5 |
| PG 64 -XX (or lower) | 10,000 | 12.5 |

1/ When produced at temperatures of 275 ± 5 °F (135 ± 3 °C) or less, loose Warm Mix Asphalt shall be oven aged at 270 ± 5 °F (132 ± 3 °C) for two hours prior to gyratory compaction of Hamburg Wheel specimens.

Note: For SMA Designs (N-80) the maximum rut depth is 6.0 mm at 20,000 repetitions.
For IL 4.75mm Designs (N-50) the maximum rut depth is 9.0mm at 15,000 repetitions.

(2) Tensile Strength Criteria. The minimum allowable conditioned tensile strength shall be 60 psi (415 kPa) for non-polymer modified performance graded (PG)

asphalt binder and 80 psi (550 kPa) for polymer modified PG asphalt binder. The maximum allowable unconditioned tensile strength shall be 200 psi (1380 kPa)."

Production Testing. Revise Article 1030.06(a) of the Standard Specifications to read:

"(a) High ESAL, IL-4.75, WMA, and SMA Mixtures. For each contract, a 300 ton (275 metric tons) test strip, except for SMA mixtures it will be 400 ton (363 metric ton), will be required at the beginning of HMA production for each mixture with a quantity of 3000 tons (2750 metric tons) or more according to the Manual of Test Procedures for Materials "Hot Mix Asphalt Test Strip Procedures".

Before start-up, target values shall be determined by applying gradation correction factors to the JMF when applicable. These correction factors shall be determined from previous experience. The target values, when approved by the Engineer, shall be used to control HMA production. Plant settings and control charts shall be set according to target values.

Before constructing the test strip, target values shall be determined by applying gradation correction factors to the JMF when applicable. After any JMF adjustment, the JMF shall become the Adjusted Job Mix Formula (AJMF). Upon completion of the first acceptable test strip, the JMF shall become the AJMF regardless of whether or not the JMF has been adjusted. If an adjustment/plant change is made, the Engineer may require a new test strip to be constructed. If the HMA placed during the initial test strip is determined to be unacceptable to remain in place by the Engineer, it shall be removed and replaced.

The limitations between the JMF and AJMF are as follows.

| Parameter | Adjustment |
|---|---|
| 1/2 in. (12.5 mm) | ± 5.0 % |
| No. 4 (4.75 mm) | ± 4.0 % |
| No. 8 (2.36 mm) | ± 3.0 % |
| No. 30 (600 µm) | * |
| No. 200 (75 µm) | * |
| Asphalt Binder Content | ± 0.3 % |

* In no case shall the target for the amount passing be greater than the JMF.

Any adjustments outside the above limitations will require a new mix design.

Mixture sampled to represent the test strip shall include additional material sufficient for the Department to conduct Hamburg Wheel testing according to Illinois Modified AASHTO T324 (approximately 60 lb (27 kg) total).

The Contractor shall immediately cease production upon notification by the Engineer of failing Hamburg Wheel test. All prior produced material may be paved out provided all other mixture criteria is being met. No additional mixture shall be produced until the Engineer receives passing Hamburg Wheel tests.

The Department may conduct additional Hamburg Wheel tests on production material as determined by the Engineer."

Revise the title of Article 1030.06(b) of the Standard Specifications to read:

"(b) Low ESAL Mixtures."

Add the following to Article 1030.06 of the Standard Specifications:

"(c) Hamburg Wheel Test. All HMA mixtures shall be sampled within the first 500 tons (450 metric tons) on the first day of production or during start up with a split reserved for the Department. The mix sample shall be tested according to the Illinois Modified AASHTO T 324 and shall meet the requirements specified herein. Mix production shall not exceed 1500 tons (1350 metric tons) or one day's production, whichever comes first, until the testing is completed and the mixture is found to be in conformance. The requirement to cease mix production may be waived if the plant produced mixture demonstrates conformance prior to start of mix production for a contract.
The Department may conduct additional Hamburg Wheel Tests on production material as determined by the Engineer. If the mixture fails to meet the Hamburg Wheel criteria, no further mixture will be accepted until the Contractor takes such action as is necessary to furnish a mixture meeting the criteria"

The Contractor shall immediately cease production upon notification by the Engineer of failing Hamburg Wheel test. All prior produced material may be paved out provided all other mixture criteria are being met. No additional mixture shall be produced until the Engineer receives passing Hamburg Wheel tests.

Method of Measurement:

Add the following after the fourth paragraph of Article 406.13 (b):

"The plan quantities of SMA mixtures shall be adjusted using the actual approved binder and surface Mix Design's $G_{mb}$."

Basis of Payment.

Replace the seventh paragraph of Article 406.14 of the Standard Specifications with the following:

"For all mixes designed and verified under the Hamburg Wheel criteria, the cost of furnishing and introducing anti-stripping additives in the HMA will not be paid for separately, but shall be considered as included in the contract unit price of the HMA item involved.

No additional compensation will be awarded to the Contractor because of reduced production rates associated with the addition of the anti-stripping additive."

**HOT MIX ASPHALT - QUANTITY CORRECTION (BMPR)**
Effective: October 1, 2014

Revised: October 2, 2014

Revise the fifth paragraph of Article 406.13(b) of the Standard Specifications to read as follows:

"HMA and Stone Matrix Asphalt (SMA) mixture in excess of 103 percent of the quantity shown on the plans or the plan quantity as specified by the Engineer will not be measured for payment. The "adjusted quantity to be placed" and the "adjusted pay quantity" for HMA and SMA mixtures will be calculated as follows.

Adjusted Quantity To Be Placed = C x quantity shown on the plans or the plan quantity as specified by the Engineer

where: C = English: $C = \frac{G_{mb} \times 46.8}{U}$ Metric: $C = \frac{G_{mb} \times 24.99}{U}$

and where: $G_{mb}$ = average bulk specific gravity from approved mix design

U = unit weight of HMA shown on the plans in lb/sq yd/in.
(kg/sq m/25 mm), used to estimate plan quantity

46.8 = English constant
24.99 = metric constant

Adjusted Pay Quantity (not to exceed 103 percent of the quantity shown on the plans or the plan quantity as specified by the Engineer) = B x HMA tons actually placed

where: $B = \frac{1}{C}$

If project circumstances warrant a new mix design, the above equations shall be used to calculate the adjusted plan quantity and adjusted pay quantity for each mix design using its respective average bulk specific gravity."

**RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES (D-1)**
Effective: November 1, 2012
Revise: August 15, 2014

Revise Section 1031 of the Standard Specifications to read:

"**SECTION 1031. RECLAIMED ASPHALT PAVEMENT AND RECLAIMED ASPHALT SHINGLES**

**1031.01 Description.** Reclaimed asphalt pavement and reclaimed asphalt shingles shall be according to the following.

(a) Reclaimed Asphalt Pavement (RAP). RAP is the material resulting from cold milling or crushing an existing hot-mix asphalt (HMA) pavement. RAP will be considered processed FRAP after completion of both crushing and screening to size. The Contractor shall

supply written documentation that the RAP originated from routes or airfields under federal, state, or local agency jurisdiction.

(b) Reclaimed Asphalt Shingles (RAS). Reclaimed asphalt shingles (RAS). RAS is from the processing and grinding of preconsumer or post-consumer shingles. RAS shall be a clean and uniform material with a maximum of 0.5 percent unacceptable material, as defined in Bureau of Materials and Physical Research Policy Memorandum "Reclaimed Asphalt Shingle (RAS) Sources", by weight of RAS. All RAS used shall come from a Bureau of Materials and Physical Research approved processing facility where it shall be ground and processed to 100 percent passing the 3/8 in. (9.5 mm) sieve and 90 percent passing the #4 (4.75 mm) sieve . RAS shall meet the testing requirements specified herein. In addition, RAS shall meet the following Type 1 or Type 2 requirements.

(1) Type 1. Type 1 RAS shall be processed, preconsumer asphalt shingles salvaged from the manufacture of residential asphalt roofing shingles.

(2) Type 2. Type 2 RAS shall be processed post-consumer shingles only, salvaged from residential, or four unit or less dwellings not subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP).

**1031.02 Stockpiles.** RAP and RAS stockpiles shall be according to the following.

(a) RAP Stockpiles. The Contractor shall construct individual, sealed RAP stockpiles meeting one of the following definitions. Additional processed RAP (FRAP) shall be stockpiled in a separate working pile, as designated in the QC Plan, and only added to the sealed stockpile when test results for the working pile are complete and are found to meet tolerances specified herein for the original sealed FRAP stockpile. Stockpiles shall be sufficiently separated to prevent intermingling at the base. All stockpiles (including unprocessed RAP and FRAP) shall be identified by signs indicating the type as listed below (i.e. "Non- Quality, FRAP -#4 or Type 2 RAS", etc…).

(1) Fractionated RAP (FRAP). FRAP shall consist of RAP from Class I, Superpave HMA (High and Low ESAL) or equivalent mixtures. The coarse aggregate in FRAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. All FRAP shall be processed prior to testing and sized into fractions with the separation occurring on or between the #4 (4.75 mm) and 1/2 in. (12.5 mm) sieves. Agglomerations shall be minimized such that 100 percent of the RAP in the coarse fraction shall pass the maximum sieve size specified for the mix the FRAP will be used in.

(2) Restricted FRAP (B quality) stockpiles shall consist of RAP from Class I, Superpave (High ESAL), or HMA (High ESAL). If approved by the Engineer, the aggregate from a maximum 3.0 inch single combined pass of surface/binder milling will be classified as B quality. All millings from this application will be processed into FRAP as described previously.

(3) Conglomerate. Conglomerate RAP stockpiles shall consist of RAP from Class I, Superpave HMA (High and Low ESAL) or equivalent mixtures. The coarse aggregate in this RAP shall be crushed aggregate and may represent more than one aggregate type and/or quality but shall be at least C quality. This RAP may have an inconsistent

gradation and/or asphalt binder content prior to processing. All conglomerate RAP shall be processed (FRAP) prior to testing. Conglomerate RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

(4) Conglomerate "D" Quality (DQ). Conglomerate DQ RAP stockpiles shall consist of RAP from HMA shoulders, bituminous stabilized subbases or Superpave (Low ESAL)/HMA (Low ESAL) IL-19.0L binder mixture. The coarse aggregate in this RAP may be crushed or round but shall be at least D quality. This RAP may have an inconsistent gradation and/or asphalt binder content. Conglomerate DQ RAP stockpiles shall not contain steel slag or other expansive material as determined by the Department.

(5) Non-Quality. RAP stockpiles that do not meet the requirements of the stockpile categories listed above shall be classified as "Non-Quality".

RAP or FRAP containing contaminants, such as earth, brick, sand, concrete, sheet asphalt, bituminous surface treatment (i.e. chip seal), pavement fabric, joint sealants, plant cleanout etc., will be unacceptable unless the contaminants are removed to the satisfaction of the Engineer. Sheet asphalt shall be stockpiled separately.

(b) RAS Stockpiles. Type 1 and Type 2 RAS shall be stockpiled separately and shall be sufficiently separated to prevent intermingling at the base. Each stockpile shall be signed indicating what type of RAS is present.
However, a RAS source may submit a written request to the Department for approval to blend mechanically a specified ratio of type 1 RAS with type 2 RAS. The source will not be permitted to change the ratio of the blend without the Department prior written approval. The Engineer's written approval will be required, to mechanically blend RAS with any fine aggregate produced under the AGCS, up to an equal weight of RAS, to improve workability. The fine aggregate shall be "B Quality" or better from an approved Aggregate Gradation Control System source. The fine aggregate shall be one that is approved for use in the HMA mixture and accounted for in the mix design and during HMA production.

Records identifying the shingle processing facility supplying the RAS, RAS type and lot number shall be maintained by project contract number and kept for a minimum of three years.

**1031.03 Testing.** FRAP and RAS testing shall be according to the following.

(a) FRAP Testing. When used in HMA, the FRAP shall be sampled and tested either during processing or after stockpiling. It shall also be sampled during HMA production.

(1) During Stockpiling. For testing during stockpiling, washed extraction samples shall be run at the minimum frequency of one sample per 500 tons (450 metric tons) for the first 2000 tons (1800 metric tons) and one sample per 2000 tons (1800 metric tons) thereafter. A minimum of five tests shall be required for stockpiles less than 4000 tons (3600 metric tons).

(2) Incoming Material. For testing as incoming material, washed extraction samples shall be run at a minimum frequency of one sample per 2000 tons (1800 metric tons) or once per week, whichever comes first.

(3) After Stockpiling. For testing after stockpiling, the Contractor shall submit a plan for approval to the District proposing a satisfactory method of sampling and testing the RAP/FRAP pile either in-situ or by restockpiling. The sampling plan shall meet the minimum frequency required above and detail the procedure used to obtain representative samples throughout the pile for testing.

Before extraction, each field sample of FRAP, shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedure. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

(b) RAS Testing. RAS shall be sampled and tested during stockpiling according to Bureau of Materials and Physical Research Policy Memorandum, "Reclaimed Asphalt Shingle (RAS) Sources". The Contractor shall also sample as incoming material at the HMA plant.

(1) During Stockpiling. Washed extraction and testing for unacceptable materials shall be run at the minimum frequency of one sample per 200 tons (180 metric tons) for the first 1000 tons (900 metric tons) and one sample per 1000 tons (900 metric tons) thereafter. A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). Once a ≤ 1000 ton (900 metric ton), five-sample/test stockpile has been established it shall be sealed. Additional incoming RAS shall be in a separate working pile as designated in the Quality Control plan and only added to the sealed stockpile when the test results of the working pile are complete and are found to meet the tolerances specified herein for the original sealed RAS stockpile.

(2) Incoming Material. For testing as incoming material at the HMA plant, washed extraction shall be run at the minimum frequency of one sample per 250 tons (227 metric tons). A minimum of five samples are required for stockpiles less than 1000 tons (900 metric tons). The incoming material test results shall meet the tolerances specified herein.

The Contractor shall obtain and make available all test results from start of the initial stockpile sampled and tested at the shingle processing facility in accordance with the facility's QC Plan.

Before extraction, each field sample shall be split to obtain two samples of test sample size. One of the two test samples from the final split shall be labeled and stored for Department use. The Contractor shall extract the other test sample according to Department procedures. The Engineer reserves the right to test any sample (split or Department-taken) to verify Contractor test results.

**1031.04 Evaluation of Tests.** Evaluation of tests results shall be according to the following.

(a) Evaluation of FRAP Test Results. All test results shall be compiled to include asphalt binder content, gradation and, when applicable (for slag), $G_{mm}$. A five test average of results from the original pile will be used in the mix designs. Individual extraction test results run thereafter, shall be compared to the average used for the mix design, and will be accepted if within the tolerances listed below.

| Parameter | FRAP |
|---|---|
| No. 4 (4.75 mm) | ± 6 % |
| No. 8 (2.36 mm) | ± 5 % |
| No. 30 (600 μm) | ± 5 % |
| No. 200 (75 μm) | ± 2.0 % |
| Asphalt Binder | ± 0.3 % |
| $G_{mm}$ | ± 0.03 [1/] |

1/ For stockpile with slag or steel slag present as determined in the current Manual of Test Procedures Appendix B 21, "Determination of Reclaimed Asphalt Pavement Aggregate Bulk Specific Gravity".

If any individual sieve and/or asphalt binder content tests are out of the above tolerances when compared to the average used for the mix design, the FRAP stockpile shall not be used in Hot-Mix Asphalt unless the FRAP representing those tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

The Contractor shall maintain a representative moving average of five tests to be used for Hot-Mix Asphalt production.

With the approval of the Engineer, the ignition oven may be substituted for extractions according to the Illinois Test Procedure, "Calibration of the Ignition Oven for the Purpose of Characterizing Reclaimed Asphalt Pavement (RAP)" or Illinois Modified AASHTO T-164-11, Test Method A.

(b) Evaluation of RAS Test Results. All of the test results, with the exception of percent unacceptable materials, shall be compiled and averaged for asphalt binder content and gradation. A five test average of results from the original pile will be used in the mix designs. Individual test results run thereafter, when compared to the average used for the mix design, will be accepted if within the tolerances listed below.

| Parameter | RAS |
|---|---|
| No. 8 (2.36 mm) | ± 5 % |
| No. 16 (1.18 mm) | ± 5 % |
| No. 30 (600 μm) | ± 4 % |
| No. 200 (75 μm) | ± 2.5 % |
| Asphalt Binder Content | ± 2.0 % |

If any individual sieve and/or asphalt binder content tests are out of the above tolerances when compared to the average used for the mix design, the RAS shall not be used in Hot-

Mix Asphalt unless the RAS representing those tests is removed from the stockpile. All test data and acceptance ranges shall be sent to the District for evaluation.

(c) Quality Assurance by the Engineer. The Engineer may witness the sampling and splitting conduct assurance tests on split samples taken by the Contractor for quality control testing a minimum of once a month.

The overall testing frequency will be performed over the entire range of Contractor samples for asphalt binder content and gradation. The Engineer may select any or all split samples for assurance testing. The test results will be made available to the Contractor as soon as they become available.

The Engineer will notify the Contractor of observed deficiencies.

Differences between the Contractor's and the Engineer's split sample test results will be considered acceptable if within the following limits.

| Test Parameter | Acceptable Limits of Precision | |
|---|---|---|
| % Passing:[1/] | FRAP | RAS |
| 1 / 2 in. | 5.0% | |
| No. 4 | 5.0% | |
| No. 8 | 3.0% | 4.0% |
| No. 30 | 2.0% | 3.0% |
| No. 200 | 2.2% | 2.5% |
| Asphalt Binder Content | 0.3% | 1.0% |
| $G_{mm}$ | 0.030 | |

1/ Based on washed extraction.

In the event comparisons are outside the above acceptable limits of precision, the Engineer will immediately investigate.

(d) Acceptance by the Engineer. Acceptable of the material will be based on the validation of the Contractor's quality control by the assurance process.

**1031.05 Quality Designation of Aggregate in RAP and FRAP.**

(a) RAP. The aggregate quality of the RAP for homogenous, conglomerate, and conglomerate "D" quality stockpiles shall be set by the lowest quality of coarse aggregate in the RAP stockpile and are designated as follows.

(1) RAP from Class I, Superpave/HMA (High ESAL), or (Low ESAL) IL-9.5L surface mixtures are designated as containing Class B quality coarse aggregate.

(2) RAP from Superpave/HMA (Low ESAL) IL-19.0L binder mixture is designated as Class D quality coarse aggregate.

(3) RAP from Class I, Superpave/HMA (High ESAL) binder mixtures, bituminous base course mixtures, and bituminous base course widening mixtures are designated as containing Class C quality coarse aggregate.

(4) RAP from bituminous stabilized subbase and BAM shoulders are designated as containing Class D quality coarse aggregate.

(b) FRAP. If the Engineer has documentation of the quality of the FRAP aggregate, the Contractor shall use the assigned quality provided by the Engineer.

If the quality is not known, the quality shall be determined as follows. Fractionated RAP stockpiles containing plus #4 (4.75 mm) sieve coarse aggregate shall have a maximum tonnage of 5,000 tons (4,500 metric tons). The Contractor shall obtain a representative sample witnessed by the Engineer. The sample shall be a minimum of 50 lb (25 kg). The sample shall be extracted according to Illinois Modified AASHTO T 164 by a consultant prequalified by the Department for the specified testing. The consultant shall submit the test results along with the recovered aggregate to the District Office. The cost for this testing shall be paid by the Contractor. The District will forward the sample to the BMPR Aggregate Lab for MicroDeval Testing, according to Illinois Modified AASHTO T 327. A maximum loss of 15.0 percent will be applied for all HMA applications. The fine aggregate portion of the fractionated RAP shall not be used in any HMA mixtures that require a minimum of “B” quality aggregate or better, until the coarse aggregate fraction has been determined to be acceptable thru a MicroDeval Testing.

**1031.06 Use of FRAP and/or RAS in HMA.** The use of FRAP and/or RAS shall be a Contractor’s option when constructing HMA in all contracts.

(a) FRAP. The use of FRAP in HMA shall be as follows.

(1) Coarse Aggregate Size (after extraction). The coarse aggregate in all FRAP shall be equal to or less than the nominal maximum size requirement for the HMA mixture to be produced.

(2) Steel Slag Stockpiles. FRAP stockpiles containing steel slag or other expansive material, as determined by the Department, shall be homogeneous and will be approved for use in HMA (High ESAL and Low ESAL) mixtures regardless of lift or mix type.

(3) Use in HMA Surface Mixtures (High and Low ESAL). FRAP stockpiles for use in HMA surface mixtures (High and Low ESAL) shall have coarse aggregate that is Class B quality or better. FRAP shall be considered equivalent to limestone for frictional considerations unless produced/screened to minus 3/8 inch.

(4) Use in HMA Binder Mixtures (High and Low ESAL), HMA Base Course, and HMA Base Course Widening. FRAP stockpiles for use in HMA binder mixtures (High and Low ESAL), HMA base course, and HMA base course widening shall be FRAP in which the coarse aggregate is Class C quality or better.

(5) Use in Shoulders and Subbase. FRAP stockpiles for use in HMA shoulders and stabilized subbase (HMA) shall be FRAP, Restricted FRAP, conglomerate, or conglomerate DQ.

(b) RAS. RAS meeting Type 1 or Type 2 requirements will be permitted in all HMA applications as specified herein.

(c) FRAP and/or RAS Usage Limits. Type 1 or Type 2 RAS may be used alone or in conjunction with FRAP in HMA mixtures up to a maximum of 5.0% by weight of the total mix.

When FRAP is used alone or FRAP is used in conjunction with RAS, the percent of virgin asphalt binder replacement (ABR) shall not exceed the amounts indicated in the table below for a given N Design.

Max Asphalt Binder Replacement for FRAP with RAS Combination

| HMA Mixtures [1/ 2/] | Maximum % ABR | | |
|---|---|---|---|
| Ndesign | Binder/Leveling Binder | Surface | Polymer Modified [3/] |
| 30L | 50 | 40 | 10 |
| 50 | 40 | 35 | 10 |
| 70 | 40 | 30 | 10 |
| 90 | 40 | 30 | 10[4/] |
| 4.75 mm N-50 | | | 30 |
| SMA N-80 | | | 20 |

1/ For HMA “All Other” (shoulder and stabilized subbase) N-30, the percent asphalt binder replacement shall not exceed 50% of the total asphalt binder in the mixture.

2/ When the binder replacement exceeds 15 percent for all mixes, except for SMA and IL-4.75, the high and low virgin asphalt binder grades shall each be reduced by one grade (i.e. 25 percent binder replacement using a virgin asphalt binder grade of PG64-22 will be reduced to a PG58-28). When constructing full depth HMA and the ABR is less than 15 percent, the required virgin asphalt binder grade shall be PG64-28.

3/ When the ABR for SMA or IL-4.75 is 15 percent or less, the required virgin asphalt binder shall be SBS PG76-22 and the elastic recovery shall be a minimum of 80. When the ABR for SMA or IL-4.75 exceeds 15%, the virgin asphalt binder grade shall be SBS PG70-28 and the elastic recovery shall be a minimum of 80.

4/ For polymerized surface mix used for overlays, with up to 10 percent ABR, a SBS PG70-22 will be required. However, if used in full depth HMA, a SBS PG70-28 will be required.

**1031.07 HMA Mix Designs.** At the Contractor's option, HMA mixtures may be constructed utilizing RAP/FRAP and/or RAS material meeting the detailed requirements specified herein.

(a) FRAP and/or RAS. FRAP and /or RAS mix designs shall be submitted for verification. If additional FRAP or RAS stockpiles are tested and found to be within tolerance, as defined under "Evaluation of Tests" herein, and meet all requirements herein, the additional FRAP or RAS stockpiles may be used in the original design at the percent previously verified.

(b) RAS. Type 1 and Type 2 RAS are not interchangeable in a mix design. A RAS stone bulk specific gravity (Gsb) of 2.500 shall be used for mix design purposes.

**1031.08 HMA Production.** HMA production utilizing FRAP and/or RAS shall be as follows.

To remove or reduce agglomerated material, a scalping screen, gator, crushing unit, or comparable sizing device approved by the Engineer shall be used in the RAS and FRAP feed system to remove or reduce oversized material. If material passing the sizing device adversely affects the mix production or quality of the mix, the sizing device shall be set at a size specified by the Engineer.

If during mix production, corrective actions fail to maintain FRAP, RAS or QC/QA test results within control tolerances or the requirements listed herein the Contractor shall cease production of the mixture containing FRAP or RAS and conduct an investigation that may require a new mix design.

(a) RAS. RAS shall be incorporated into the HMA mixture either by a separate weight depletion system or by using the RAP weigh belt. Either feed system shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes. The portion of RAS shall be controlled accurately to within ± 0.5 percent of the amount of RAS utilized. When using the weight depletion system, flow indicators or sensing devices shall be provided and interlocked with the plant controls such that the mixture production is halted when RAS flow is interrupted.

(b) HMA Plant Requirements. HMA plants utilizing FRAP and/or RAS shall be capable of automatically recording and printing the following information.

(1) Dryer Drum Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Accumulated weight of dry aggregate (combined or individual) in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

d. Accumulated dry weight of RAS and FRAP in tons (metric tons) to the nearest 0.1 ton (0.1 metric ton).

e. Accumulated mineral filler in revolutions, tons (metric tons), etc. to the nearest 0.1 unit.

f. Accumulated asphalt binder in gallons (liters), tons (metric tons), etc. to the nearest 0.1 unit.

g. Residual asphalt binder in the RAS and FRAP material as a percent of the total mix to the nearest 0.1 percent.

h. Aggregate RAS and FRAP moisture compensators in percent as set on the control panel. (Required when accumulated or individual aggregate and RAS and FRAP are printed in wet condition.)

i. When producing mixtures with FRAP and/or RAS, a positive dust control system shall be utilized.

j. Accumulated mixture tonnage.

k. Dust Removed (accumulated to the nearest 0.1 ton)

(2) Batch Plants.

a. Date, month, year, and time to the nearest minute for each print.

b. HMA mix number assigned by the Department.

c. Individual virgin aggregate hot bin batch weights to the nearest pound (kilogram).

d. Mineral filler weight to the nearest pound (kilogram).

f. RAS and FRAP weight to the nearest pound (kilogram).

g. Virgin asphalt binder weight to the nearest pound (kilogram).

h. Residual asphalt binder in the RAS and FRAP material as a percent of the total mix to the nearest 0.1 percent.

The printouts shall be maintained in a file at the plant for a minimum of one year or as directed by the Engineer and shall be made available upon request. The printing system will be inspected by the Engineer prior to production and verified at the beginning of each construction season thereafter.

**1031.09 RAP in Aggregate Surface Course and Aggregate Shoulders.** The use of RAP or FRAP in aggregate surface course and aggregate shoulders shall be as follows.

(a) Stockpiles and Testing. RAP stockpiles may be any of those listed in Article 1031.02, except “Non-Quality” and “FRAP”. The testing requirements of Article 1031.03 shall not apply. RAP used to construct aggregate surface course and aggregate shoulders shall be according to the current Bureau of Materials and Physical Research’s Policy Memorandum, “Reclaimed Asphalt Pavement (RAP) for Aggregate Applications”

(b) Gradation. One hundred percent of the RAP material shall pass the 1 1/2 in. (37.5mm) sieve. The RAP material shall be reasonably well graded from coarse to fine. RAP material that is gap-graded, FRAP, or single sized will not be accepted for use as Aggregate Surface Course and Aggregate Shoulders."

**GENERAL ELECTRICAL REQUIREMENTS**
Effective: January 1, 2012

Add the following to Article 801 of the Standard Specifications:

"Maintenance transfer and Preconstruction Inspection:

General. Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the Contractor shall request a maintenance transfer and preconstruction site inspection, to be held in the presence of the Engineer and a representative of the party or parties responsible for maintenance of any lighting and/or traffic control systems which may be affected by the work. The request for the maintenance transfer and preconstruction inspection shall be made no less than seven (7) calendar days prior to the desired inspection date. The maintenance transfer and preconstruction inspection shall:

Establish the procedures for formal transfer of maintenance responsibility required for the construction period.

Establish the approximate location and operating condition of lighting and/or traffic control systems which may be affected by the work

Marking of Existing Cable Systems. The party responsible for maintenance of any existing lighting and/or traffic control systems at the project site will, at the Contractor's request, mark and/or stake, once per location, all underground cable routes owned or maintained by the State. A project may involve multiple "locations" where separated electrical systems are involved (i.e. different controllers). The markings shall be taken to have a horizontal tolerance of at least 304.8 mm (one (1) foot) to either side.. The request for the cable locations and marking shall be made at the same time the request for the maintenance transfer and preconstruction inspection is made. The Contractor shall exercise extreme caution where existing buried cable runs are involved. The markings of existing systems are made strictly for assistance to the Contractor and this does not relieve the Contractor of responsibility for the repair or replacement of any cable run damaged in the course of his work, as specified elsewhere herein. Note that the contractor shall be entitled to only one request for location marking of existing systems and that multiple requests may only be honored at the contractor's expense. No locates will be made after maintenance is transferred, unless it is at the contractor's expense.

Condition of Existing Systems. The Contractor shall conduct an inventory of all existing electrical system equipment within the project limits, which may be affected by the work, making note of any parts which are found broken or missing, defective or malfunctioning. Megger and load readings shall be taken for all existing circuits which will remain in place or be modified. If a circuit is to be taken out in its entirety, then readings do not have to be taken. The inventory and test data shall be reviewed with and approved by the Engineer and a record of the inventory shall be submitted to the Engineer for the record. Without

such a record, all systems transferred to the Contractor for maintenance during construction shall be returned at the end of construction in complete, fully operating condition."

Add the following to the 1st paragraph of Article 801.05(a) of the Standard Specifications:

"Items from multiple disciplines shall not be combined on a single submittal and transmittal. Items for lighting, signals, surveillance and CCTV must be in separate submittals since they may be reviewed by various personnel in various locations."

Revise the second sentence of the 5th paragraph of Article 801.05(a) of the Standard Specifications to read:

"The Engineer will stamp the submittals indicating their status as 'Approved', 'Approved as Noted', 'Disapproved', or 'Information Only'.

Revise the 6th paragraph of Article 801.05(a) of the Standard Specifications to read:

"Resubmittals. All submitted items reviewed and marked 'Approved as Noted', or 'Disapproved' are to be resubmitted in their entirety with a disposition of previous comments to verify contract compliance at no additional cost to the state unless otherwise indicated within the submittal comments."

Revise Article 801.11(a) of the Standard Specifications to read:

"Lighting Operation and Maintenance Responsibility. The scope of work shall include the assumption of responsibility for the continuing operation and maintenance the of existing, proposed, temporary, sign and navigation lighting, or other lighting systems and all appurtenances affected by the work as specified elsewhere herein. Maintenance of lighting systems is specified elsewhere and will be paid for separately

Energy and Demand Charges. The payment of basic energy and demand charges by the electric utility for existing lighting which remains in service will continue as a responsibility of the Owner, unless otherwise indicated. Unless otherwise indicated or required by the Engineer duplicate lighting systems (such as temporary lighting and proposed new lighting) shall not be operated simultaneously at the Owner's expense and lighting systems shall not be kept in operation during long daytime periods at the Owner's expense. Upon written authorization from the Engineer to place a proposed new lighting system in service, whether the system has passed final acceptance or not, (such as to allow temporary lighting to be removed), the Owner will accept responsibility for energy and demand charges for such lighting, effective the date of authorization. All other energy and demand payments to the utility shall be the responsibility of the Contractor until final acceptance."

Add the following to Section 801 of the Standard Specifications:

"Lighting Cable Identification. Each wire installed shall be identified with its complete circuit number at each termination, splice, junction box or other location where the wire is accessible."

"Lighting Cable Fuse Installation. Standard fuse holders shall be used on non-frangible (non-breakaway) light pole installations and quick-disconnect fuse holders shall be used on frangible (breakaway) light pole installations. Wires shall be carefully stripped only as far as needed for connection to the device. Over-stripping shall be avoided. An oxide inhibiting lubricant shall be applied to the wire for minimum connection resistance before the terminals are crimped-on. Crimping shall be performed in accordance with the fuse holder manufacturer's recommendations. The exposed metal connecting portion of the assembly shall be taped with two half-lapped wraps of electrical tape and then covered by the specified insulating boot. The fuse holder shall be installed such that the fuse side is connected to the pole wire (load side) and the receptacle side of the holder is connected to the line side."

Revise the 2nd paragraph of Article 801.16 of the Standard Specifications to read:

"When the work is complete, and seven days before the request for a final inspection, the full-size set of contract drawings. Stamped "RECORD DRAWINGS", shall be submitted to the Engineer for review and approval and shall be stamped with the date and the signature of the Contractor's supervising Engineer or electrician. The record drawings shall be submitted in PDF format on CDROM as well as hardcopy for review and approval. In addition to the record drawings, copies of the final catalog cuts which have been Approved or Approved as Noted shall be submitted in PDF format along with the record drawings. The PDF files shall clearly indicate either by filename or PDF table of contents the respective pay item number. Specific part or model numbers of items which have been selected shall be clearly visible."

Add the following to Article 801.16 of the Standard Specifications:

"In addition to the specified record drawings, the Contactor shall record GPS coordinates of the following electrical components being installed, modified or being affected in other ways by this contract:

- Last light pole on each circuit
- Handholes
- Conduit roadway crossings
- Controllers
- Control Buildings
- Structures with electrical connections, i.e. DMS, lighted signs.
- Electric Service locations
- CCTV Camera installations
- Fiber Optic Splice Locations

Datum to be used shall be North American 1983.

Data shall be provided electronically and in print form. The electronic format shall be compatible with MS Excel. Latitude and Longitude shall be in decimal degrees with a minimum of 6 decimal places. Each coordinate shall have the following information:

- Description of item
- Designation or approximate station if the item is undesignated
- Latitude
- Longitude

Examples:

| Equipment Description | Equipment Designation | Latitude | Longitude |
|---|---|---|---|
| CCTV Camera pole | ST42 | 41.580493 | -87.793378 |
| FO mainline splice handhole | HHL-ST31 | 41.558532 | -87.792571 |
| Handhole | HH at STA 234+35 | 41.765532 | -87.543571 |
| Electric Service | Elec Srv | 41.602248 | -87.794053 |
| Conduit crossing | SB IL83 to EB I290 ramp SIDE A | 41.584593 | -87.793378 |
| Conduit crossing | SB IL83 to EB I290 ramp SIDE B | 41.584600 | -87.793432 |
| Light Pole | DA03 | 41.558532 | -87.792571 |
| Lighting Controller | X | 41.651848 | -87.762053 |
| Sign Structure | FGD | 41.580493 | -87.793378 |
| Video Collection Point | VCP-IK | 41.558532 | -87.789771 |
| Fiber splice connection | Toll Plaza34 | 41.606928 | -87.794053 |

Prior to the collection of data, the contractor shall provide a sample data collection of at least six data points of known locations to be reviewed and verified by the Engineer to be accurate within 100 feet. Upon verification, data collection can begin. Data collection can be made as construction progresses, or can be collected after all items are installed. If the data is unacceptable the contractor shall make corrections to the data collection equipment and or process and submit the data for review and approval as specified.

Accuracy. Data collected is to be mapping grade. A handheld mapping grade GPS device shall be used for the data collection. The receiver shall support differential correction and data shall have a minimum 5 meter accuracy after post processing.

GPS receivers integrated into cellular communication devices, recreational and automotive GPS devices are not acceptable.

The GPS shall be the product of an established major GPS manufacturer having been in the business for a minimum of 6 years."

**MAINTENANCE OF LIGHTING SYSTEMS**
Effective: January 1, 2012

Replace Article 801.11 and 801.12 of the Standard Specifications with the following:

Effective the date the Contractor's activities (electrical or otherwise) at the job site begin, the Contractor shall be responsible for the proper operation and maintenance of all existing and proposed lighting systems which are part of, or which may be affected by the work until final acceptance or as otherwise determined by the Engineer.

Before performing any excavation, removal, or installation work (electrical or otherwise) at the site, the Contractor shall initiate a request for a maintenance transfer and preconstruction inspection, as specified elsewhere herein, to be held in the presence of the Engineer and a representative of the party or parties responsible for maintenance of any lighting systems which may be affected by the work. The request for the maintenance preconstruction inspection shall be made no less than seven (7) calendar days prior to the desired inspection date.

Existing lighting systems, when depicted on the plans, are intended only to indicate the general equipment installation of the systems involved and shall not be construed as an exact

representation of the field conditions. It remains the Contractor's responsibility to visit the site to confirm and ascertain the exact condition of the electrical equipment and systems to be maintained.

**Maintenance of Existing Lighting Systems**

**Existing lighting systems**. Existing lighting systems shall be defined as any lighting system or part of a lighting system in service at the time of contract Letting. The contract drawings indicate the general extent of any existing lighting, but whether indicated or not, it remains the Contractor's responsibility to ascertain the extent of effort required for compliance with these specifications and failure to do so will not be justification for extra payment or reduced responsibilities.

**Extent of Maintenance.**

**Partial Maintenance.** Unless otherwise 'indicated, if the number of circuits affected by the contract is equal to or less than 40% of the total number of circuits in a given controller and the controller is not part of the contract work, the Contractor needs only to maintain the affected circuits. The affected circuits shall be isolated by means of in-line waterproof fuse holders as specified elsewhere and as approved by the Engineer.

**Full Maintenance.** If the number of circuits affected by the contract is greater than 40% of the total number of circuits in a given controller, or if the controller is modified in any way under the contract work, the Contractor shall maintain the entire controller and all associated circuits.

**Maintenance of Proposed Lighting Systems**

**Proposed Lighting Systems**. Proposed lighting systems shall be defined as any lighting system or part of a lighting system, temporary or permanent, which is to be constructed under this contract.

The Contractor shall be fully responsible for maintenance of all items installed under this contract. Maintenance shall include, but not be limited to, any equipment failures or malfunctions as well as equipment damage either by the motoring public, Contractor operations, vandalism, or other means. The potential cost of replacing or repairing any malfunctioning, damaged, or vandalized equipment shall be included in the bid price of this item and will not be paid for separately.

**Lighting System Maintenance Operations**

The Contractor's responsibility shall include all applicable responsibilities of the Electrical Maintenance Contract, State of Illinois, Department of Transportation, Division of Highways, District One. These responsibilities shall include the maintenance of lighting units (including sign lighting), cable runs and lighting controls. In the case of a pole knockdown or sign light damage, the Contractor shall promptly clear the lighting unit and circuit discontinuity and restore the system to service. The equipment shall then be re-set by the contractor within the time limits specified herein.

If the equipment damaged by normal vehicular traffic, not contractor operations, is beyond repair and cannot be re-set, the contractor shall replace the equipment in kind with payment made for such equipment under Article 109.04. If the equipment damaged by any construction operations, not normal vehicular traffic, is beyond repair and cannot be re-set, the contractor shall replace the equipment in kind and the cost of the equipment shall be included in the cost of this pay item and shall not be paid for separately.

Responsibilities shall also include weekly night-time patrol of the lighting system, with patrol reports filed immediately with the Engineer and with deficiencies corrected within 24 hours of the patrol. Patrol reports shall be presented on standard forms as designated by the Engineer. Uncorrected deficiencies may be designated by the Engineer as necessitating emergency repairs as described elsewhere herein.

The following chart lists the maximum response, service restoration, and permanent repair time the Contractor will be allowed to perform corrective action on specific lighting system equipment.

| INCIDENT OR PROBLEM | SERVICE RESPONSE TIME | SERVICE RESTORATION TIME | PERMANENT REPAIR TIME |
|---|---|---|---|
| Control cabinet out | 1 hour | 4 hours | 7 Calendar days |
| Hanging mast arm | 1 hour to clear | na | 7 Calendar days |
| Radio problem | 1 hour | 4 hours | 7 Calendar days |
| Motorist caused damage or leaning light pole 10 degrees or more | 1 hour to clear | 4 hours | 7 Calendar days |
| Circuit out – Needs to reset breaker | 1 hour | 4 hours | na |
| Circuit out – Cable trouble | 1 hour | 24 hours | 21 Calendar days |
| Outage of 3 or more successive lights | 1 hour | 4 hours | na |
| Outage of 75% of lights on one tower | 1 hour | 4 hours | na |
| Outage of light nearest RR crossing approach, Islands and gores | 1 hour | 4 hours | na |
| Outage (single or multiple) found on night outage survey or reported to EMC | na | na | 7 Calendar days |
| Navigation light outage | na | na | 24 hours |

- **Service Response Time** -- amount of time from the initial notification to the Contractor until a patrolman physically arrives at the location.

- **Service Restoration Time** – amount of time from the initial notification to the Contractor until the time the system is fully operational again (In cases of motorist caused damage the undamaged portions of the system are operational.)

- **Permanent Repair Time** – amount of time from initial notification to the Contractor until the time permanent repairs are made if the Contractor was required to make temporary repairs to meet the service restoration requirement.

Failure to provide this service will result in liquidated damages of $500 per day per occurrence. In addition, the Department reserves the right to assign any work not completed within this timeframe to the Electrical Maintenance Contractor. All costs associated to repair this uncompleted work shall be the responsibility of the Contractor. Failure to pay these costs to the Electrical Maintenance Contractor within one month after the incident will result in additional liquidated damages of $500 per month per occurrence. Unpaid bills will be deducted from any monies owed to the Contractor. Repeated failures and/or a gross failure of maintenance shall result in the State's Electrical Maintenance Contractor being directed to correct all deficiencies and the resulting costs deducted from any monies owed the contractor.

Damage caused by the Contractor's operations shall be repaired at no additional cost to the Contract.

**Operation of Lighting**

The lighting shall be operational every night, dusk to dawn. Duplicate lighting systems (such as temporary lighting and proposed new lighting) shall not be operated simultaneously. Lighting systems shall not be kept in operation during long daytime periods.

**Method of Measurement**

The contractor shall demonstrate to the satisfaction of the Engineer that the lighting system is fully operational prior to submitting a pay request. Failure to do so will be grounds for denying the pay request. Months in which the lighting systems are not maintained and not operational will not be paid for. Payment shall not be made retroactively for months in which lighting systems were not operational.

**Basis of Payment.** Maintenance of lighting systems shall be paid for at the contract unit price per calendar month for **MAINTENANCE OF LIGHTING SYSTEM**, which shall include all work as described herein.

**EXPOSED RACEWAYS**
Effective: January 1, 2012

Revise the first paragraph of Article 811.03(a) of the Standard Specifications to read:

> "General. Rigid metal conduit installation shall be according to Article 810.05(a). Conduits terminating in junction and pull boxes shall be terminated with insulated and gasketed watertight threaded NEMA 4X conduit hubs. The hubs shall be Listed under UL 514B. The insulated throat shall be rated up to 105º C. When PVC coated conduit is utilized, the aforementioned hubs shall also be PVC coated."

Add the following to Article 811.03(b) of the Standard Specifications:

"Where PVC coated conduit is utilized, all conduit fittings, couplings and clamps shall be PVC coated. All other mounting hardware and appurtenances shall be stainless steel."

"The personnel installing the PVC coated conduit must be trained and certified by the PVC coated conduit Manufacturer or Manufacturer's representative to install PVC coated conduit. Documentation demonstrating this requirement must be submitted for review and approval."

Add the following to Article 1088.01(a) of the Standard Specifications:

All iron and steel products, which are to be incorporated into the work, including conduit and all conduit fittings, shall be domestically manufactured or produced and fabricated as specified in Article 106."

Revise Article 1088.01(a)(3) of the Standard Specifications to read:

"a. PVC Coated Steel Conduit. The PVC coated rigid metal conduit shall be UL Listed (UL 6). The PVC coating must have been investigated by UL as providing the primary corrosion protection for the rigid metal conduit. Ferrous fittings for general service locations shall be UL Listed with PVC as the primary corrosion protection. Hazardous location fittings, prior to plastic coating shall be UL listed.

b. The PVC coating shall have the following characteristics:

| | |
|---|---|
| Hardness: | 85+ Shore A Durometer |
| Dielectric Strength: | 400V/mil @ 60 Hz |
| Aging: | 1,000 Hours Atlas Weatherometer |
| Temperature | The PVC compound shall conform at 0º F. to Federal Specifications PL-406b, Method 2051, Amendment 1 of 25 September 1952 (ASTM D 746) |
| Elongation: | 200% |

c. The exterior and interior galvanized conduit surface shall be chemically treated to enhance PVC coating adhesion and shall also be coated with a primer before the PVC coating to ensure a bond between the zinc substrate and the PVC coating. The bond strength created shall be greater than the tensile strength of the plastic coating.

d. The nominal thickness of the PVC coating shall be 1 mm (40 mils). The PVC exterior and urethane interior coatings applied to the conduit shall afford sufficient flexibility to permit field bending without cracking or flaking at temperatures above -1°C (30°F).

e. An interior urethane coating shall be uniformly and consistently applied to the interior of all conduit and fittings. This internal coating shall be a nominal 2 mil thickness. The interior coating shall be applied in a manner so there are no runs, drips, or pinholes at any point. The coating shall not

peel, flake, or chip off after a cut is made in the conduit or a scratch is made in the coating.

f. Conduit bodies shall have a tongue-in-groove gasket for maximum sealing capability. The design shall incorporate a positive placement feature to assure proper installation. Certified test results confirming seal performance at 15 psig (positive) and 25 in. of mercury (vacuum) for 72 hours shall be submitted for review when requested by the Engineer.

g. The PVC conduit shall pass the following tests:

Exterior PVC Bond test RN1:

Two parallel cuts 13 mm (1/2 inch) apart and 40 mm (1 1/2 inches) in length shall be made with a sharp knife along the longitudinal axis. A third cut shall be made perpendicular to and crossing the longitudinal cuts at one end. The knife shall then be worked under the PVC coating for 13 mm (1/2 inch) to free the coating from the metal.

Using pliers, the freed PVC tab shall be pulled with a force applied vertically and away from the conduit. The PVC tab shall tear rather than cause any additional PVC coating to separate from the substrate.

Boil Test:

Acceptable conduit coating bonds (exterior and interior) shall be confirmed if there is no disbondment after a minimum average of 200 hours in boiling water or exposure to steam vapor at one atmosphere. Certified test results from a national recognized independent testing laboratory shall be submitted for review and approval. The RN1 Bond Test and the Standard Method for Measuring Adhesion by Tape Test shall be utilized.

Exterior Adhesion. In accordance with ASTM D870, a 6" length of conduit test specimen shall be placed in boiling water. The specimen shall be periodically removed, cooled to ambient temperature and immediately tested according to the bond test (RN1). When the PVC coating separates from the substrate, the boil time to failure in hours shall be recorded.

Interior Adhesion. In accordance with ASTM D3359, a 6" conduit test specimen shall be cut in half longitudinally and placed in boiling water or directly above boiling water with the urethane surface facing down. The specimen shall be periodically removed, cooled to ambient temperature and tested in accordance with the Standard Method of Adhesion by Tape Test (ASTM D3359). When the coating disbonds, the time to failure in hours shall be recorded.

Heat/Humidity Test:

Acceptable conduit coating bonds shall be confirmed by a minimum average of 30 days in the Heat and Humidity Test. The RN1 Bond Test and the Standard Method for Measuring Adhesion by Tape Test shall be utilized.

Exterior Adhesion. In accordance with ASTM D1151, D1735, D2247 and D4585, conduit specimens shall be placed in a heat and humidity environment where the temperature is maintained at 150°F (66°C) and 95% relative humidity. The specimens shall be periodically removed and a bond test (RN1) performed. When the PVC coating separates from the substrate, the exposure time to failure in days shall be recorded.

Interior Adhesion. In accordance with ASTM D3359, conduit specimens shall be placed in a heat and humidity environment where the temperature is maintained at 150°F (66°C) and 95% relative humidity. When the coating disbonds, the time to failure in hours shall be recorded.

Add the following to Article 1088.01(a)(4) of the Standard Specifications:

"All liquid tight flexible metal conduit fittings shall have an insulated throat to prevent abrasion of the conductors and shall have a captive sealing O-ring gasket. The fittings shall be Listed under UL 514B. The insulated throat shall be rated up to 105º C."

Revise the second paragraph of Article 811.04 of the Standard Specifications to read:

"Expansion fittings and LFNC will not be measured for payment."

Revise Article 811.05 of the Standard Specifications to read:

**"811.05 Basis of Payment.** This work will be paid for at the contract unit price per meter (foot) for **CONDUIT ATTACHED TO STRUCTURE**, of the diameter specified, **RIGID GALVANIZED STEEL** or **CONDUIT ATTACHED TO STRUCTURE**, of the diameter specified, **RIGID GALVANIZED STEEL, PVC COATED."**

**UNDERGROUND RACEWAYS**
Effective: January 1, 2012

Revise Article 810.04 of the Standard Specifications to read:

"Installation. All underground conduit shall have a minimum depth of 30-inches (700 mm) below the finished grade."

Add the following to Article 810.04 of the Standard Specifications:

"All metal conduit installed underground shall be Rigid Steel Conduit unless otherwise indicated on the plans."

Add the following to Article 810.04 of the Standard Specifications:

"All raceways which extend outside of a structure or duct bank but are not terminated in a cabinet, junction box, pull box, handhole, post, pole, or pedestal shall extend a minimum or 300 mm (12") or the length shown on the plans beyond the structure or duct bank. The end of this extension shall be capped and sealed with a cap designed for the conduit to be capped. The ends of rigid metal conduit to be capped shall be threaded, the threads protected with full galvanizing, and capped with a threaded galvanized steel cap. The ends of rigid nonmetallic conduit and coilable nonmetallic conduit shall be capped with a rigid PVC cap of not less than 3 mm (0.125") thick. The cap shall be sealed to the conduit using a room-temperature-vulcanizing (RTV) sealant compatible with the material of both the cap and the conduit. A washer or similar metal ring shall be glued to the inside center of the cap with epoxy, and the pull cord shall be tied to this ring."

Add the following to Article 810.04(c) of the Standard Specifications:

"Coilable non-metallic conduit shall be machine straightened to remove the longitudinal curvature caused by coiling the conduit onto reels prior to installing in trench, encasing in concrete or embedding in structure. The straightening shall not deform the cross-section of the conduit such that any two measured outside diameters, each from any location and at any orientation around the longitudinal axis along the conduit differ by more than 6 mm (0.25")." The longitudinal axis of the straightened conduit shall not deviate by more than 20 mm per meter (0.25" per foot" from a straight line. The HDPE and straightening mechanism manufacturer operating temperatures shall be followed.

**ELECTRIC UTILITY SERVICE CONNECTION (COMED)**
Effective: January 1, 2012

**Description.** This item shall consist of payment for work performed by ComEd in providing or modifying electric service as indicated. THIS MAY INVOLVE WORK AT MORE THAN ONE ELECTRIC SERVICE. For summary of the Electrical Service Drop Locations see the schedule contained elsewhere herein.

**CONSTRUCTION REQUIREMENTS**

**General.** It shall be the Contractor's responsibility to contact ComEd. The Contractor shall coordinate his work fully with the ComEd both as to the work required and the timing of the installation. No additional compensation will be granted under this or any other item for extra work caused by failure to meet this requirement. **Please contact ComEd, New Business Center Call Center, at 866 NEW ELECTRIC (1-866-639-3532) to begin the service connection process. The Call Center Representatives will create a work order for the service connection. The**

**representative will ask the requestor for information specific to the request. The representative will assign the request based upon the location of project.**

The Contractor should make particular note of the need for the earliest attention to arrangements with ComEd for service. In the event of delay by ComEd, no extension of time will be considered applicable for the delay unless the Contractor can produce written evidence of a request for electric service within 30 days of execution.

**Method of Payment.** The Contractor will be reimbursed to the exact amount of money as billed by ComEd for its services. Work provided by the Contractor for electric service will be paid separately as described under ELECTRIC SERVICE INSTALLATION. No extra compensation shall be paid to the Contractor for any incidental materials and labor required to fulfill the requirements as shown on the plans and specified herein.

For bidding purposes, this item shall be estimated as $7,000.

**Basis of Payment.** This work will be paid for at the contract lump sum price for **ELECTRIC UTILITY SERVICE CONNECTION** which shall be reimbursement in full for electric utility service charges.

Designers Note: The estimate of cost of service connections for bidding purposes shall be provided by the Designer or Design Consultant.

**ELECTRIC SERVICE INSTALLATION**
Effective: January 1, 2012

**Description.** This item shall consist of all material and labor required to extend, connect or modify the electric services, as indicated or specified, which is over and above the work performed by the utility. Unless otherwise indicated, the cost for the utility work, if any, will be reimbursed to the Contractor separately under ELECTRIC UTILITY SERVICE CONNECTION. This item may apply to the work at more than one service location and each will be paid separately.

**Materials.** Materials shall be in accordance with the Standard Specifications.

**CONSTRUCTION REQUIREMENTS**

**General.** The Contractor shall ascertain the work being provided by the electric utility and shall provide all additional material and work not included by other contract pay items required to complete the electric service work in complete compliance with the requirements of the utility.

No additional compensation will be allowed for work required for the electric service, even though not explicitly shown on the Drawings or specified herein

**Method of Measurement.** Electric Service Installation shall be counted, each.

**Basis of Payment.** This work will be paid for at the contract unit price each for **ELECTRIC SERVICE INSTALLATION** which shall be payment in full for the work specified herein.

**UNIT DUCT**
Effective: January 1, 2012

Revise the first paragraph of Article 810.04 to read:

"The unit duct shall be installed at a minimum depth of 30-inches (760 mm) unless otherwise directed by the Engineer."

Revise Article 1088.01(c) to read:

"(c) Coilable Nonmetallic Conduit.

General:

The duct shall be a plastic duct which is intended for underground use and which can be manufactured and coiled or reeled in continuous transportable lengths and uncoiled for further processing and/or installation without adversely affecting its properties of performance. The duct shall be a plastic duct which is intended for underground use and can be manufactured and coiled or reeled in continuous transportable lengths and uncoiled for further processing and/or installation without adversely affecting its properties of performance.

The duct shall be made of high density polyethylene which shall meet the requirements of ASTM D 2447, for schedule 40. The duct shall be composed of black high density polyethylene meeting the requirements of ASTM D 3350, Class C, Grade P33. The wall thickness shall be in accordance with Table 2 for ASTM D 2447.

The duct shall be UL Listed per 651-B for continuous length HDPE coiled conduit. The duct shall also comply with NEC Article 354.100 and 354.120.

Submittal information shall demonstrate compliance with the details of these requirements.

Dimensions:

Duct dimensions shall conform to the standards listed in ASTM D2447. Submittal information shall demonstrate compliance with these requirements.

| **Nominal Size** | | **Nominal I.D.** | | **Nominal O.D.** | | **Minimum Wall** | |
|---|---|---|---|---|---|---|---|
| mm | in | mm | in | mm | in | mm | in |
| 31.75 | 1.25 | 35.05 | 1.380 | 42.16 | 1.660 | 3.556 +0.51 | 0.140 +0.020 |
| 38.1 | 1.50 | 40.89 | 1.610 | 48.26 | 1.900 | 3.683 +0.51 | 0.145 +0.020 |

| **Nominal Size** | | **Pulled Tensile** | |
|---|---|---|---|
| mm | in | N | lbs |
| 31.75 | 1.25 | 3322 | 747 |
| 38.1 | 1.50 | 3972 | 893 |

Marking:

As specified in NEMA Standard Publication No. TC-7, the duct shall be clearly and durably marked at least every 3.05 meters (10 feet) with the material designation (HDPE for high density polyethylene), nominal size of the duct and the name and/or trademark of the manufacturer.

Performance Tests:

Polyethylene Duct testing procedures and test results shall meet the requirements of UL 651. Certified copies of the test report shall be submitted to the Engineer prior to the installation of the duct. Duct crush test results shall meet or exceed the following requirements:

| **Duct Diameter** | | **Min. force required to deform sample 50%** | |
|---|---|---|---|
| mm | in | N | lbs |
| 35 | 1.25 | 4937 | 1110 |
| 41 | 1.5 | 4559 | 1025 |

**WIRE CABLE**
Effective: January 1, 2012

Add the following to the first paragraph of Article 1066.02(a):

"The cable shall be rated at a minimum of 90°C dry and 75°C wet and shall be suitable for installation in wet and dry locations, and shall be resistant to oils and chemicals."

Revise the Aerial Electric Cable Properties table of Article 1066.03(a)(3) to read:

Aerial Electric Cable Properties

| Phase Conductor | | | | Messenger wire | |
|---|---|---|---|---|---|
| Size AWG | Stranding | Average Insulation Thickness | | Minimum Size AWG | Stranding |
| | | mm | mils | | |
| 6 | 7 | 1.1 | (45) | 6 | 6/1 |
| 4 | 7 | 1.1 | (45) | 4 | 6/1 |
| 2 | 7 | 1.1 | (45) | 2 | 6/1 |
| 1/0 | 19 | 1.5 | (60) | 1/0 | 6/1 |
| 2/0 | 19 | 1.5 | (60) | 2/0 | 6/1 |
| 3/0 | 19 | 1.5 | (60) | 3/0 | 6/1 |
| 4/0 | 19 | 1.5 | (60) | 4/0 | 6/1 |

Add the following to Article 1066.03(b) of the Standard Specifications:

"Cable sized No. 2 AWG and smaller shall be U.L. listed Type RHH/RHW and may be Type RHH/RHW/USE. Cable sized larger than No. 2 AWG shall be U.L. listed Type RHH/RHW/USE."

Revise Article 1066.04 to read:

> **"**Aerial Cable Assembly. The aerial cable shall be an assembly of insulated aluminum conductors according to Section 1066.02 and 1066.03. Unless otherwise indicated, the cable assembly shall be composed of three insulated conductors and a steel reinforced bare aluminum conductor (ACSR) to be used as the ground conductor. Unless otherwise indicated, the code word designation of this cable assembly is "Palomino". The steel reinforced aluminum conductor shall conform to ASTM B-232. The cable shall be assembled according to ANSI/ICEA S-76-474."

Revise the second paragraph of Article 1066.05 to read:

> "The tape shall have reinforced metallic detection capabilities consisting of a woven reinforced polyethylene tape with a metallic core or backing."

**LIGHTING CONTROLLER, SPECIAL**

Description: This work shall consist of installing a complete cabinet-type lighting controller assembly complete with concrete foundation and wiring for the control of roadway lighting. All work shall be according to Section 825 of the Standard Specifications except as follows:

This work shall consist of all labor and materials required to construct the controller and foundation as shown in the detail drawings. The controller should have a meter fitting. Roadway lighting is to be a 120/240 volt single phase system. Control box catalog cuts must be supplied to and approved by the Engineer and Village prior to installation.

Basis of Payment: This work will be paid for at the contract unit price per each for LIGHTING CONTROLLER, SPECIAL which shall include all necessary excavation, backfilling, concrete equipment, materials, and labor necessary to complete the work in place.

**EXPLORATION EXCAVATION (UTILITY)**

This work shall consist of the exploratory digging at various locations as directed by the engineer for the purpose of identifying the depths or locations of existing underground utilities within the construction limits of the project. For this contract, the words "underground utilities" shall be extended to include water services, storm and sanitary sewers, gas lines, IBT cable and ductworks and other utilities not listed here. Areas shall be backfilled with excavated materials in accordance with Section 213, Section 212 and Article 202.03 of the Standard Specifications. Any damages to utilities that occur during exploration trenching shall be repaired or replaced at no cost to the contract.

All work will be paid for at the contract unit price per foot for the EXPLORATION EXCAVATION (UTILITY) which price shall be full compensation for all equipment, labor and materials needed to backfill the trench and the replacement of broken "underground utilities", regardless of the depth that the trench is excavated to. Contractor shall notify J.U.L.I.E. at least 48 hours before the start of the excavation operation.

Method of Measurement. Exploration Excavation (utility) shall be measured by lineal foot.

Basis of Payment. This work shall be paid for at the contract unit price per foot for EXPLORATION TRENCH, SPECIAL.

**LIGHTING UNIT COMPLETE, SPECIAL**

Description: This item shall consist of furnishing and installing a fluted aluminum pole complete with luminaire, lamp, a decorative base, banner arms, galvanized anchor bolts, fuses, fuse holders, and all required hardware as specified herein and as shown on the plans. Catalog cuts must be supplied to and approved by the Engineer prior to installation.

Materials: All items for the lighting unit shall be Sternberg as shown on the drawings. No substitute products will be allowed. The product proposed currently matches the Village's light fixture used throughout town.

Pole and Decorative Base: The pole shall be fabricated from a one piece, 5" diameter fluted (0.188" wall thickness) of 6061-T6 structural grade aluminum. The pole shall be Sternberg Model #8412FP5 (12' in height) with a 2'-7" decorative base as specified in the plans. A maintenance opening and access door shall be provided with stainless steel allen head screws and one copper ground lug. The base plate shall accept four (4) ¾" x 18" x 3" L-type galvanized anchor bolts with two (2) galvanized nuts and two (2) galvanized washers per bolt. The pole and decorative base shall be prime painted and then finish painted black (Sternberg BK). The pole shall be welded for single unit construction.

Luminaire: The luminaire shall be comprised of cast aluminum and shall come complete with constant wattage for a 34 watt LED lamp and will deliver an IES Type III distribution. The luminaire shall be Sternberg Model #1230LEDPT. The luminaire shall be prime painted and then finish painted black to match the finish of the light pole assembly.

Add the following table(s) to Article 1067 of the Standard Specifications:

**IDOT DISTRICT 1 LUMINAIRE PERFORMANCE TABLE**

| GIVEN CONDITIONS | | |
|---|---|---|
| **ROADWAY DATA** | Sidewalk Width | 5 (ft) to 12 (ft) |
| | Number of Lanes | N/A |
| | I.E.S. Surface Classification | R1 |
| | Q-Zero Value | 0.10 |
| **LIGHT POLE DATA** | Mounting Height | 12 (ft) |
| | Mast Arm Length | N/A |
| | Pole Set-Back From Edge of Sidewalk | 3 (ft) to 5 (ft) |
| **LUMINAIRE DATA** | Lamp Type | LED |
| | Lamp Lumens (per Sternberg) | 1,080 |
| | I.E.S. Vertical Distribution | Medium |
| | I.E.S. Control Of Distribution | Cutoff |

| | | |
|---|---|---|
| | I.E.S. Lateral Distribution | Type III or Type V per Plan |
| | Total Light Loss Factor | 0.800 |
| **LAYOUT DATA** | Spacing | Varies |
| | Configuration | Single Sided |
| | Luminaire Overhang over edge of pavement | 0 (ft) |

**NOTE**: Variations from the above specified I.E.S. distribution pattern may be requested and acceptance of variations will be subject to review by the Engineer based on how well the performance requirements are met.

**PERFORMANCE REQUIREMENTS**

**NOTE**: These performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions listed above.

| | | |
|---|---|---|
| **ILLUMINATION** | Ave. Horizontal Illumination, $\mathbf{E_{AVE}}$ | 0.4 Lux |
| | Uniformity Ratio, $\mathbf{E_{AVE}/E_{MIN}}$ | 4.0 (Max) |
| **LUMINANCE** | Average Luminance, $\mathbf{L_{AVE}}$ | N/A |
| | Uniformity Ratio, $\mathbf{L_{AVE}/L_{MIN}}$ | N/A |
| | Uniformity Ratio, $\mathbf{L_{MAX}/L_{MIN}}$ | N/A) |
| | Veiling Luminance Ratio, $\mathbf{L_V/L_{AVE}}$ | N/A |

Lamps: The lamp shall be LED and shall have a color temperature of 4500K (Sternberg Model # 1-1230LED/HMAPM/1RND45T3/ML/CSA/FMC/BK). The LED lamp shall have a life expectancy of approximately 70,000 hours and shall have a minimum initial lumen output of 1,080 lumens. The LEDs and LED driver shall operate over a -40 degrees Fahrenheit to +122 degrees Fahrenheit on a nominal 240 volt system.

Banner Arms: Banner arms shall be aluminum (18" in length) and spaced and mounted as shown on the plans. The banner arms shall be prime painted and then finish painted black to match the finish of the light pole.

Receptacles: Receptacles shall be 20 ampere duplex GFI outlet with low profile in use cover and spaced and mounted as shown on the plans. The receptacles shall be prime painted and then finish painted black to match the finish of the light pole.

Shipment: The poles shall be carefully inspected at the factory prior to shipment to assure that the poles are complete and free of defects. When poles are stacked together, they shall be supported with suitable spacers or shall otherwise be protected from damage.

Installation: The contractor shall install the lighting unit according to the plans and as recommended by the manufacturer. The light pole shall be set plumb on the foundation without the use of shims, grout, or any other leveling devices under the pole bases. The base cover of the pole shall be flush with the concrete foundation. Poles shall not be installed until luminaires are available for installation at the same time the poles are installed.

Any damage to the paint finish of the lighting unit after installation shall be touched up in the field by the contractor per the manufacturer's recommendations.

Certification and Guarantee: The submittal information shall include a written certification of compliance with the contract requirements from the manufacturer. The certification shall identify the project, location, section number, and contract number as applicable and shall identify specifically the equipment covered by the certification. The certification shall be made on the manufacturer's corporate stationary and dated and signed by a responsible officer of the company with the signee's title listed.

Basis of Payment: This work will be paid for at the contract unit price per each for LIGHTING UNIT COMPLETE, SPECIAL which shall include all labor, materials, and equipment to complete the installation as described herein.

**LIGHT POLE FOUNDATION, SPECIAL**

This work shall consist of furnishing and installing all concrete foundations for the proposed decorative light poles at the location shown on the plans. All work shall be performed in accordance with section 836 of the Standard Specifications. The dimensions of the pole foundation shall be as shown in the plan details

Basis of Payment: This work shall be paid for at the contract unit price per FOOT for LIGHTPOLE FOUNDATION, SPECIAL.

**PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE**

Description: This work shall consist of the modification of an existing storm sewer structure to accept a new connection from a new storm sewer pipe. The existing structure shall be field cut to provide an opening approximately 6" greater than the outside diameter of the proposed storm sewer. The new pipe shall be inserted into the field cut hole and the area between the new pipe and the wall of the existing structure shall be filled with block and hydraulic cement to create a water tight seal. This work shall be performed in accordance with the applicable portions of section 550 and 602 of the SSRBC.

Basis of Payment: This work will be paid for at the contract unit price per EACH (regardless of pipe or structure size) for PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE. This price shall include all equipment, materials and labor necessary to create a water tight connection between the existing structure and the new pipe.

**FIRE HYDRANTS TO BE MOVED**

Add the following to Article 564.03:

"The contractor shall rotate the water main Tee if such work is required for moving the fire Hydrant; this shall be included in the contract unit price."

"The contractor shall install the necessary water main connection required for moving the fire hydrant to the location identified in the plans. The pipe shall be water main quality, 6" ductile iron pipe; this shall be included in the contract unit price."

**DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED**

This work consists of providing all materials, equipment and labor and performing all operations necessary for the complete adjustment of existing water service boxes (bboxes) to finished height and/or finished grade.

All broken and/or missing water service box (bbox) components are to be replaced with new materials furnished and installed by the Contractor in accordance with the Village of Villa Park.

The Contractor shall be responsible for ensuring that the water service box is vertical, clean, to proper grade, and readily accessible for operation of the valve.

Upon completion of adjustment of water service box, it shall be tested according to Article 561.03.

Basis of Payment. Adjusting water services boxes will be measured per EACH, complete in place, for DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED.

**BRICK SIDEWALK REMOVAL**

Description. This work shall be performed in accordance with Section 440 of the SSRBC and shall include the removal of brick pavement.

Basis of Payment: The removal of brick surface shall be paid for at the contract unit price per SQUARE FOOT for BRICK SIDEWALK REMOVAL.

**EARTH EXCAVATION**

Description. This work shall consist of the stockpiling, transportation, and disposal of excavated material, if required, in accordance with Section 202 of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer.

Construction. This work shall be performed in accordance with Section 202 of the Standard Specifications except as modified herein.

After all topsoil has been excavated and stockpiled, excavate areas to the additional depths necessary to construct the improvements as shown on the plans and details. Stockpile materials on-site that are suitable for re-use. Dispose of all unsuitable materials off-site in accordance with the Standard Specifications. It shall be the Contractor's responsibility to locate a site that will accept this material.

Measurement. The contract unit price for earth excavation will be measured in its original position, and the volumes in cubic yards computed by the method of average end areas. Earth moved more than once due to stage of construction or any other reason will not be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per cubic yard for EARTH EXCAVATION, which price shall include all other items of work included under the Standard Specifications general heading of Earthwork for which no payment item is included in the

contract. Earth moved more than once due to stage of construction or any other reason will not be paid for separately and shall be included in the contract unit price for EARTH EXCAVATION.

Removal and disposal of unsuitable material will not be paid for separately and shall be included in the contract unit price for EARTH EXCAVATION.

**TOPSOIL FURNISH AND PLACE 6", TOPSOIL FURNISH AND PLACE 18", TOPSOIL FURNISH AND PLACE 24"**

Description. This work shall consist of furnishing, transporting, preparing, conditioning, and placing topsoil or imported from offsite sources. The work shall be completed in accordance with Section 211 of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer.

Materials. Topsoil shall be provided in accordance with Article 1081.05 of the Standard Specifications with the exception that the minimum organic content shall be 4 percent.

Import topsoil from offsite sources.. Obtain topsoil displaced from naturally well-drained construction or mining sites where topsoil occurs at least 4 inches deep; do not obtain from agricultural land, bogs or marshes.

Construction. This work shall be performed in accordance with Articles 211.04 and 211.05 of the Standard Specifications except as modified herein.

Place topsoil and complete finish grading to meet grades as shown on the plans. Place topsoil to a depth of 6 inches in all sod areas. Backfill all raised Planter Curb areas to a depth of 24 inches as indicated on the plans and details. Place topsoil to a depth of 18 inches in all other planting bed areas. Amend topsoil in all planting bed areas with a 3" depth of Soil Conditioner to meet the requirements specified herein.

Measurement. The topsoil related items shall be measured as follows:

TOPSOIL FURNISH AND PLACE shall include importing and placing topsoil to a depth of 6 inches in all sod areas, to a depth of 24 inches in all raised precast concrete planter curb areas, and to a depth of 18 inches in all other planting bed areas, including all materials, labor, or equipment required to complete this work.

SOIL CONDITIONER shall include providing soil conditioner to a 3 inch depth for all planting beds including all materials, labor, or equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per square yard for TOPSOIL FURNISH AND PLACE, 6", TOPSOIL FURNISH AND PLACE, 18", and TOPSOIL FURNISH AND PLACE, 24" and no additional compensation will be allowed.

**SODDING, SALT TOLERANT**

Description. This work shall consist of furnishing, transporting, and placing sod in accordance with Section 252 of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer. The work shall include transporting, placing, fertilizing,

watering, resodding when required, mowing, and maintaining sodded areas until the project completion date, including all materials, labor, and equipment required to complete this work.

Materials. Materials provided for sodding shall be provided in accordance with Article 252.02 and Article 1081.03(b) of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer.

Sod shall be salt tolerant sod as identified in the Standard Specifications.

Fertilizer for sod areas shall be provided and applied in accordance with the standard specifications.

Construction. This work shall be performed in accordance with Section 252 of the Standard Specifications.

Measurement. The contract unit price for sodding shall include furnishing, transporting, placing, fertilizing, watering, resodding when required, mowing, and maintaining sodded areas until the project completion date, including all materials, labor, and equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per square yard for SODDING, SALT TOLERANT and no additional compensation will be allowed.

**SUPPLEMENTAL WATERING**

Description. This work will include watering turf, trees, shrubs, and perennial plants at the rates specified and as directed by the Engineer.

Schedule. Watering will only begin after the successful completion of all period of establishment requirements and will continue through the construction year growing season as directed by the Engineer.

Watering must be completed in a timely manner. When the Engineer directs the Contractor to do supplemental watering, the Contractor must begin the watering operation within 24 hours of notice. A minimum of 10 units of water per day must be applied until the work is complete. Damage to plant material that is a result of the Contractor's failure to water in a timely way must be repaired or replaced at the Contractor's expense.

Source of Water. The Contractor shall notify the Engineer of the source of water used and provide written certification that the water does not contain chemicals harmful to plant growth.

Rate of Application. The normal rates of application for watering are as follows. The Engineer will adjust these rates as needed depending upon weather conditions.

| | |
|---|---|
| Perennial Plants: | 2 gallons per square foot |
| Trees: | 35 gallons per tree |
| Shrubs: | 25 gallons per large shrub |
| | 15 gallons per small shrub |

Method of Application. A spray nozzle that does not damage small plants must be used when watering perennial plants or turf. Water shall be applied at the base of the plant to keep as much water as possible off plant leaves. An open hose may be used to water trees, shrubs, and vines if mulch and soil are not displaced by watering. Water shall trickle slowly into soil and completely soak the root zone. The Contractor must supply metering equipment as needed to assure the specified application rate of water.

Method of Measurement. Supplemental watering will be measured in units of 1000 gallons (3,785 liters) of water applied as directed.

Basis of Payment. This work will be paid for at the contract unit price per unit of SUPPLEMENTAL WATERING, measured as specified. Payment will include the cost of all water, equipment and labor needed to complete the work specified herein and to the satisfaction of the Engineer.

**PLANTING WOODY PLANTS**

Description. This work shall consist of furnishing, transporting, and planting trees and shrubs in accordance with Section 253 of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer. The work shall include all mulching, bracing, wrapping, watering, weeding, replacement of plants when required, including all materials, labor, and equipment required to complete this work.

Materials. Provide trees, shrubs, and accessories in accordance with Section 253 and Article1081.01 of the Standard Specifications except as modified herein.

Provide quality, size, genus, species, and variety of trees and shrubs as shown on the plans in compliance with the “American Standard for Nursery Stock” latest edition.

All trees to be provided balled and burlapped. All shrubs to be provided either balled and burlapped or container grown.

Mulch shall be six-month old, well rotted, shredded, native hardwood bark mulch, not larger than 4 inches in length and ½ inches in width, free of wood chips and sawdust.

Construction. Add the following to Construction Requirements:

**Delete the third sentence of Article 253.07 and substitute the following:**

The Contractor shall be responsible for all plant layout. The layout must be performed by qualified personnel. The planting locations must be laid out as shown in the landscape plan. This will require the use of an engineer’s scale to determine some dimensions. Tree locations within each planting area shall be marked with a different color stake/flag and labeled to denote the different tree species. Shrub beds limits must be painted. The Engineer will contact the Roadside Development Unit at (847) 705-4171 to approve the layout prior to installation. Allow a minimum of seven working (7) days prior to installation for approval.

**Delete the first paragraph of Article 253.15 Plant Care and substitute the following:**

The Contractor is responsible for plant care until receipt of the "Final Acceptance of Landscape Work" memorandum from the Bureau of Maintenance. The Contractor shall properly care for all plants including weeding, watering, adjusting of braces, repair of water saucers, or other work which is necessary to maintain the health, vigor, and satisfactory appearance of the plantings. This may require pruning, cultivating, tightening and repairing supports, repair of wrapping, and furnishing and applying sprays as necessary to keep the plants free of insects and disease. The Contractor shall provide plant care a minimum of every two weeks, or within 3 days following notification by the Engineer. All requirements for plant care shall be considered as included in the cost of the contract.

**Delete the first paragraph of Article 253.15 Plant Care (a) and substitute the following:**

During plant care watering shall be performed at least every two weeks beginning in May until receipt of the "Final Acceptance of Landscape Work" memorandum from the Bureau of Maintenance. The contractor shall apply a minimum of 35 gallons of water per tree, 25 gallons per large shrub, and 15 gallons per small shrub. The Engineer may direct the Contractor to adjust the watering rate and frequency depending upon weather conditions.

Measurement. The contract unit price for trees and shrubs shall include furnishing, transporting, and planting trees and shrubs including mulching, bracing, wrapping, watering, weeding, replacement of plants when required and all materials, labor, or equipment required to complete this work.

Basis of Payment. This work will be paid for at the contract unit price per each for TREES and SHRUBS of the species, root type, and plant size specified. Payment will be made according to the following schedule.

Initial Payment. Upon completion of planting, mulch covering, wrapping, and bracing, 90 percent of the pay item(s) will be paid.

Final Payment. Upon inspection and acceptance of the plant material, or upon execution of a third party bond, the remaining ten percent of the pay item(s) will be paid." Revise the first paragraph of Article 1081.01 of the Standard Specifications to read:

The placement of Pre-emergent Herbicide shall be paid for at the contract unit price for WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE.

Payment for Shredded Mulch shall be included in contract unit price of the woody plant pay item.

**PLANTING PERENNIAL PLANTS**

Description. This work shall consist of furnishing, transporting, and planting perennial plants in accordance with Section 254 of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer. The work shall include preparing the planting area, planting, watering, weeding, replacement of plants when required, and maintaining perennial areas including all materials, labor, and equipment required to complete this work.

Materials. Provide perennial plants and accessories in accordance with Article 1081.02 of the Standard Specifications except as modified herein.

Provide container grown perennial plants for ornamental planting areas as indicated on the plans of the quality, size, genus, species, and variety as shown on the plans in compliance with the "American Standard for Nursery Stock" latest edition.

Construction Requirements. This work shall be performed in accordance with Section 254 of the Standard Specifications except as modified herein.

Layout of Planting. The Contractor shall place the marking flags and outline each area for mass or solid planting. The Engineer will contact the Roadside Development Unit at (847) 705-4171 prior to planting to verify the layout. Allow a minimum of seven (7) working days prior to installation for approval.

Planting Procedures. Disposal of sod and debris (rock, stones, concrete, bottles, plastic bags, etc.) shall be removed from the perennial planting bed as specified in Article 202.03.

When planting perennials in bed areas shown on the plans or as directed by the Engineer, the following work shall be performed:

1. Topsoil shall be placed in all planting areas as specified.
2. Soil Conditioner shall be applied within the planting beds to a depth of 3-inch and then tilled into the soil to a depth of 6-inches to amend the existing topsoil.
3. Pre-emergent Herbicide shall be used in the perennial beds prior to the placement of mulch. See specification for Weed Control, Pre-emergent Herbicide.

Mulching. Within 24 hours, the entire perennial plant bed shall be mulched to a depth of with 3 inches (75 mm) of fine grade mulch. Mulch shall be six-month old, well rotted, shredded, native hardwood bark mulch, not larger than 4 inches in length and ½ inches in width, free of wood chips and sawdust. A mulch sample shall be submitted to the Engineer for approval 72 hours prior to placing.

Period of Establishment. Period of Establishment for the various types of perennial plants shall be as follows.

Perennial plants must undergo a 30-day period of establishment. Additional watering shall be performed at least twice a week for four weeks following installation. Water shall be applied at the rate of 2 gallons per square foot. Should excess moisture prevail, the Engineer may delete any or all of the additional watering cycles. In severe weather, the Engineer may require additional watering.

A spray nozzle that does not damage small plants must be used when watering perennial plants. Water shall be applied at the base of the plant to keep as much water as possible off plant leaves. Watering of plants in beds shall be applied in such a manner that all plant holes are uniformly saturated without allowing water to flow beyond the periphery of the bed.

During the period of establishment, weeds and grass growth shall be removed from within the mulched perennial beds. This weeding shall be performed once a week during the 30 day period of establishment. The Contractor will not be relieved in any way from the responsibility for unsatisfactory plants due to the extent of weeding.

The weeding may be performed in any manner approved by the Engineer provided the weed and grass growth, including their roots and stems, are removed from the area specified. Mulch disturbed by the weeding operation shall be replaced to its original condition. All debris that results from this operation must be removed from the right-of-way and disposed of at the end of each day in accordance with Article 202.03.

At the end of the Period of Establishment, the Contractor will be permitted to replace any unacceptable plants and shall thoroughly weed all the beds.

Plant perennial plants equally spaced throughout ornamental planting areas as shown on the plans.

Method of Measurement. This work will be measured for payment in units of 100 perennial plants of the type and size specified. Measurement for payment of this work will not be performed until at the end of the 30 day establishment period for the replacement planting. Only plants that are in place and alive at the time of measurement will be measured for payment, except that if fewer than 25 percent of the plants are acceptable, a quantity equal to 25 percent of the number of units of plants originally planted will be considered measured for payment.

Pre-emergent Herbicide will be measured for payment as specified in Weed Control, Pre-emergent Granular Herbicide.

Basis of Payment. This work shall be paid for at the contract unit price per unit (one unit equals 100 plants) for PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT, and no additional compensation will be allowed. Refer to material list on planting plans for individual perennial plant species.

Pre-emergent Herbicide will be paid for as specified in WEED CONTROL, PRE-EMERGENT HERBICIDE.

Soil Conditioner will be paid for as specified in SOIL CONDITIONER, 3”.

Payment for Shredded Mulch shall be included in contract unit price of the perennial plant pay item.

**WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE**

Description. This work shall consist of spreading a pre-emergent granular herbicide in planting areas as shown on the plans or as directed by the Engineer. This item will be used in mulched plant beds and mulch rings.

Materials. The pre-emergent granular herbicide (Snapshot 2.5 TG or equivalent) shall contain the chemicals Trifluralin 2% active ingredient and Isoxaben with 0.5% active ingredient. The herbicide label shall be submitted to the Engineer for approval at least seventy-two (72) hours prior to application.

Method. The pre-emergent granular herbicide shall be used in accordance with the manufacturer’s directions on the package. The granules are to be applied prior to mulching.

Apply the granular herbicide using a drop or rotary-type designed to apply granular herbicide or insecticides. Calibrate application equipment to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Do not use spreaders that apply material in narrow concentrated bands. Avoid skips or overlaps as poor weed control or crop injury may occur. More uniform application may be achieved by spreading half of the required amount of product over the area and then applying the remaining half in swaths at right angles to the first. Apply the granular herbicide at the rate of 100 lbs/acre (112 kg/ha) or 2.3 lbs/1000 sq. ft. (11.2 kg/1000 sq. meters).

Method of Measurement. Pre-emergent granular herbicide will be measured in place in Pounds (Kilograms) of Pre-emergent Granular Herbicide applied. Areas treated after mulch placement shall not be measured for payment.

Basis of Payment. This work will be paid for at the contract unit price per pound (kilogram) of WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE which price shall include all materials, equipment, and labor necessary to complete the work as specified.

**SOIL CONDITIONER 3"**

Description. This work shall consist of preparation of the planting areas to receive soil amendments, including placement and incorporation of an approved soil conditioner and an approved soil amendment into the landscape planting beds.

General Requirements. The soil conditioner shall consist of ground southern yellow pine bark, composted rice hulls, organic compost, approved nutrient additives and supplements. The Contractor shall submit a 5 pound bag sample to the Engineer for approval prior to the delivery and installation of this material.

Preparation. The soil conditioner installation shall only begin after all removals, including vegetation removals, are completed. Clean planting areas of all trash and debris before placement of the approved soil conditioner.

Remove and legally dispose of all removals and debris offsite in accordance with Article 202.03. In planting areas, remove existing turf or vegetation to a depth of 1 inch. Prepare soil surface by gently loosening the top 6 inches of the existing topsoil.

Construction Requirements. Apply a 3 inch deep layer of soil conditioner within the planting areas. The Engineer will verify that the proper soil conditioner depth has been applied. After verification of proper depth, the Contractor shall completely incorporate the soil conditioner into the loosened Topsoil, Furnish and Place, Special by tilling.

Rake smooth and finish grade all planted areas. This work shall be considered included in the cost of SOIL CONDITIONER. Grading shall be to a tolerance of +/- 0.10 foot of the design grades. Any grade disturbed by any other operations shall be restored to the finish grade and raked smooth at no additional cost.

All debris litter, tire tracks, and unintended materials shall be removed, swept, or washed off of all landscape, adjacent walls and surfaces, curbs, gutters, and pavement on a daily basis, to the approval and directive of the engineer.

Method of Measurement. The contract unit price for Soil Conditioner 3" will be measured in square yards. It will include providing soil conditioner to a 3 inch depth for all planting beds including all materials, labor, or equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per square yard for SOIL CONDITIONER, 3", and no additional compensation will be allowed. All turf and vegetation removal required for installation of SOIL CONDITIONER 3" is considered included in this item.

**DECORATIVE SIGN POST**

Description. This work shall consist of furnishing, fabricating, transporting, cast in place concrete footing and erecting decorative sign posts as specified herein, as shown on the plans, and as directed by the Engineer.

Submittals. Submit Manufacturer's product data for each product specified to the Engineer for review and approval prior to ordering.

Materials.
Description: 4" OD Fluted Aluminum Sign Post. The following manufacturer and product are pre-approved.

Manufacturer: Sternberg Lighting
555 Lawrence Ave.
Roselle, IL 60172
1-847-588-3400
http://www.sternberglighting.com/

Sign Pole: 8400 Monrovia, 4" OD x14' Straight fluted cast aluminum shaft
Size: 4" x 14'
Color: Black
Accessories: Top
BCC Ball Center Cap

Arm
SB sign Bracket Mounts

Mounting Hardware: Provide mounting hardware appropriate for application per manufacturer's recommendations and as indicated on the plans. Mount to concrete footing using IDOT approved breakaway method. Provide 18" diameter concrete footing per IDOT standard specifications.

Construction. Layout all sign locations and review with the Engineer prior to installation. Set posts as indicated on plans and erect signs. Upon completion of the work, remove from site all excess materials, debris, tools, and equipment. Repair damage resulting from operations.

Measurement. The contract unit price for decorative sign posts shall include furnishing, transporting, layout, and installation of decorative sign posts including all materials, labor, and equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per each for DECORATIVE SIGN POST, and no additional compensation will be allowed.

The accessories and methods of attachment, including excavation and cast in place concrete footing foundation for setting posts, will not be measured for payment and shall be included in the contract unit cost for DECORATIVE SIGN POST, and no additional compensation will be allowed.

**TRASH RECEPTACLES**

Description. This work shall consist of furnishing, transporting, assembling, and placing trash receptacles as specified herein, as shown on the plans, and as directed by the Engineer.

Submittals. Submit Manufacturer's product data for each product specified to the Engineer for approval prior to construction.

Materials.

| | |
|---|---|
| Description: | Flat Steel Waste Container |
| Manufacturer: | Wausau Tile<br>P.O. Box 1520<br>Wausau, WI 54402<br>1-800-388-8728<br>www.wausautile.com |
| Item No: | MF3213 |
| Size: | 26" dia. x 33" |
| Capacity: | 34 Gallons |
| Material: | Metal Armor coated steel |
| Color: | Black |

Construction. Assemble and install trash receptacles at locations as shown on the plans. Anchor benches with appropriately sized fasteners as recommended by the manufacturer, and as shown on the plans.

Measurement. The contract unit price for trash receptacle shall include assembly and all hardware necessary to attach the bench as recommended by the manufacturer and as shown on the plans, including all materials, labor, and equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per each for TRASH RECEPTACLES, and no additional compensation will be allowed.

**PLANTER CURB**

Description. This work shall consist of constructing concrete curbs with or without reinforcement, constructed on a prepared subgrade, in accordance with Section 606 of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer. Work shall include all excavation, base material, formwork, reinforcement, finishing, and cleanup necessary for construction of concrete curbs.

Materials. Materials provided for concrete curbs shall be in accordance with Section 606 and 1020 of the Standard Specifications. Use class SI Portland Cement Concrete unless otherwise directed by the Engineer.

Construction. This work shall be performed in accordance with Section 606 of the Standard Specifications except as modified herein.

Layout all concrete curbs and obtain approval from the Engineer prior to construction.

Construct concrete curbs to dimensions as shown on the plans.

Measurement. The contract unit price for concrete curbs shall include all formwork, reinforcement, finishing, cleanup, and all materials, labor, and equipment required to complete this work.

Earth excavation, and placing base material will be measured for payment separately in accordance with these special provisions and Sections 202, 301, and 351 of the Standard Specifications respectively.

Basis of Payment. This work shall be paid for at the contract unit price per linear foot for PLANTER CURB and no additional compensation will be allowed.

Earth excavation, placing base material will be paid for separately at the contract unit price for EARTH EXCAVATION and AGGREGATE BASE COURSE, TYPE B 4" and no additional compensation will be allowed.

**STAMPED ASPHALT CROSSWALK**

Description. This item shall include the milling and resurfacing of the existing asphalt paving and texturing and coating with pigment of the asphalt surface at crosswalk locations as shown on the plans in accordance with Section 406 and 407 of the Standard Specifications except as specified herein, as shown on the plans, and as directed by the Engineer.

Qualifications: The installer performing this work must be trained or approved by the manufacturer of the asphalt texturing and coating systems specified and must have a minimum of five years' experience with projects of similar scope and quantity. Submit qualifications to the Engineer for review and approval prior to construction.

Submittals. Submit Manufacturer's product data, pattern, and color samples for each product specified to the Engineer for review and approval prior to construction.

Materials.
Description: Preformed thermoplastic material at a minimum of 125-mil thickness. The following manufacturers are pre-approved.

Manufacturer: Alternative Paving Concepts
P.O. Box 9201
Reston, VA 20195
1-866-697-4338
www.alternative-paving.com

Manufacturer: Traffic Calming USA (TrafficPrint)
317 Northpoint Parkway Suite A
Acworth, GA 30102
1-770-505-4044
http://www.trafficcalmingusa.com

Manufacturer: Trafficscapes
115 Todd Court
Thomasville, NC 27360
1-336-475-6600
http://www.ennisflint.com

Color A: Dark, Grey-Brown from manufacturer's standard colors. Color to be approved by engineer prior to construction.
Color B: Light, Buff-Tan from manufacturer's standard colors. Color to be approved by engineer prior to construction.

Pattern and colors as indicated on plans. Pattern to be approved by engineer prior to construction.

Deliver materials in original packaging with labels intact. Store in clean, dry and protected location according to manufacturer's requirements.

Construction. Placement of asphalt shall be performed in accordance with Sections 406 and 407 of the Standard Specifications except as modified herein.

Imprinting of Asphalt. Imprinting can be performed after the newly-placed asphalt has been compacted, or can be performed later, after the asphalt has cooled. If the imprinting is performed later, the upper portion of the asphalt shall be heated using reciprocating infrared reheating equipment to make the upper portion of the asphalt surface pliable enough to accept the imprint of the template. Overheating of the asphalt shall not be permitted, and direct flame heaters shall not be allowed for the purpose of heating the asphalt. Hot air portable heaters may only be used for heating isolated areas. The temperature of the asphalt surface shall be regularly monitored during the reheating process and shall not exceed 300ºF. The asphalt shall be softened to a minimum depth of ½" without burning the asphalt. Templates shall be pressed fully into the heated surface using vibratory plate compactors. All imprints shall have a minimum depth of ¼"; any imprints less than ¼" shall be restamped prior to application of the coatings.

Coating Installation. The thermoplastic coating application shall be applied and heated per the manufacturer's specifications to adhere to the asphalt surface. The contractor shall use the manufacturer's recommended equipment. The contractor shall apply the coating only when the air temperature is at least 50º F and rising, and will not drop below 50º F within 8 hours of application. No precipitation should be expected within 2 hours of the application.

The coated surfaces shall be protected from traffic until the coating has completely dried and has cured in accordance with the manufacturer's instructions.

Measurement. The contract unit price for stamped asphalt crosswalk shall include milling and resurfacing 2" of asphalt, stamping and coloring materials, labor, and equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per square yard for STAMPED ASPHALT CROSSWALK, and no additional compensation will be allowed.

**MASONRY COLUMN, LARGE, MASONRY COLUMN, SMALL**

Description. This work shall consist of providing all labor, materials, and equipment necessary to fabricate and furnish the masonry columns. All work shall be according to the details shown on the plans and as directed by the Engineer.

All components as shown on the plans, including but not limited to precast caps and trim, resin anchors, brick, block, mortar, flashing, weep holes, lighting, conduit shall will also be included in the cost of the masonry column.

Submittals. Submit product samples representing the size, shape, and color of each unit type along with Manufacturer's product data to the Engineer for approval prior to construction.

Prior to fabrication, prepare and submit shop drawings for complete erection of each type of column based on field measurements. Submit Manufacturer's product data for each type of material specified before ordering. Submit samples of each material representing the finish texture and color for review and approval by the Engineer prior to ordering and fabrication.

Quality Assurance.
Masonry. Variation from the plumb in the lines and surfaces of columns shall not exceed 1/4-inch in 10 feet. Variation from plumb for external corners, expansion joints, and other conspicuous lines shall not exceed 1/4-inch.

Variation in cross-sectional dimensions of and thickness of walls shall not exceed minus 1/4-inch nor plus 1/2-inch from the dimensions indicated on the drawings.

Cast Stone. Manufacturer shall have minimum 5 years of continuous successful experience in fabricating cast stone materials in compliance with Cast Stone Institute standards. Installer shall have minimum 5 years successful experience in handling and installing cast stone units on projects of comparable size and scope.

Delivery Storage and Handling.
Masonry. Masonry units, when delivered to the site, shall be thoroughly cured and shall be dry. When stored on the site, they shall not be in contact with the ground, shall be kept clean, and shall be covered with waterproof cover.

Cast Stone. Provide protective coverings and temporary lateral support to prevent damage during shipping. Blocking and supports shall be clean, nonstaining, and shall not cause harm to exposed surfaces.

Store stone units under cover, off the ground, away from areas subject to high humidity conditions.

Where extended on-site storage is necessary, provide nonstaining wood cribbing between stacked units to promote air circulation and prevent condensation.

Cold Weather Requirements.
All masonry units delivered to use in freezing weather shall be fully protected by a weather-tight covering to prevent accumulation of ice on the units. Loose board covering will not be permitted.

Cold Weather Protection. Remove any ice or snow formed on masonry bed by carefully applying heat until top surface is dry to the touch. Remove all masonry determined to be frozen or damaged by freezing conditions. Perform the following construction procedure while the work is progressing. When air temperature is from 40°F (4°C) to 32°F (0°C), heat sand or mixing water to produce mortar temperature between 40°F (4°C) and 120°F (49°C): When air temperature is from 32°F (0°C) to 25°F (-4°C) heat sand or water to produce mortar temperature between 40°F (4°C) and 120°F (49°C); maintain temperature of mortar on boards above freezing. When air temperature is from 25°F (-4°C) to 20°F (-7°C) heat sand and mixing water to produce mortar temperatures between 40°F (4°C) and 120°F (49°C); maintain temperature of mortar on boards above freezing; use salamanders or other heat sources on both sides of walls under construction; use wind breaks when wind is in excess of 15 mph. When air temperature is from 20°F (-7°C) and below, heat sand and mixing water to produce mortar temperatures between 40°F (4°C) and 120°F (49°C); provide enclosures and auxiliary heat to maintain air temperature above 32°F (0°C); do not lay units which have a surface temperature of 20°F (-7°C). Perform the following protections for completed masonry and masonry not being worked on: When the mean daily air temperature is from 40°F (4°C) to 32°F (0°C), protect masonry from rain or snow for at least 24 hours by covering with weather-restrictive membrane. When the mean daily air temperature is from 32°F (0°C) to 25°F (-4°C), completely cover masonry with weather-restrictive membrane for at least 24 hours. When the mean daily air temperature is from 25°F (-4°C) to 20°F (-7°C), completely cover masonry with insulating blankets or similar protection for at least 24 hours. When mean daily temperature is 20°F (-7°C) and below, maintain masonry temperature above 32°F (0°C) for 24 hours using enclosures, blankets, and supplementary heat.

Materials.
Concrete masonry units (CMU) - shall be in accordance with Article 1042.15 of the Standard Specifications. Provide hollow, load bearing, normal weight concrete block units per dimensions as shown on the plans. Concrete Masonry Units shall conform to the requirements of ASTM designation C90.

Masonry Cavity wall reinforcement - shall be truss type with adjustable eye wire joint reinforcement. Wire shall be 9 ga. and hot dipped galvanized having a minimum 1.50 once/square foot zinc coating in accordance with ASTM A 153 Class B. Maximum spacing of tabs shall be 24 inches. Prefabricated corners shall be used to form continuous reinforcement around corners.

Weep holes - Cellular or honeycomb cell vents, 2 1/2 inches high shall be provided at weep holes. Cell vents shall be U.V.-resistant polypropylene.

4" perforated drainage pipe – Per section 601 of the standard specifications.

Cast Stone - Cast Stone fabrication shall comply with Cast Stone Institute recommended fabricating practices and the recommended tolerances. Cast Stone shall match the color and

finish of the existing Village Town Center Cast Stone (Architectural Cast Stone – 'Bright White' mix #2193), as selected by the Engineer from the manufactures full range. Ensure exposed-to-view finish surfaces are uniform in color and appearance. Color pigments shall meet the requirements of ASTM C979, inorganic iron oxide pigments, lime-proof. Cement grade carbon black pigment is not acceptable.

Cast stone manufacturer is responsible for preparing design mix to attain compressive strength of 6,500 psi at 28 days. Water absorption shall be maximum 6% by dry weight. Reinforcing shall be placed according to Cast Stone Institute recommendations for safe handling, settling, and structural requirements. After manufacturing, cur all dry-tamped cast stone minimum of 8 hours in totally enclosed curing room at 85°F and 100% relative humidity; then steam cure for a minimum 10 hours. For new design mixes, take daily test cylinders and test in-house using a certified technician, at 20 hours and 28 days after manufacture to ensure compliance with minimum compressive strength requirements. Cast stone manufacturer will not be required to retest previous tested and used standard design mixes. Mix design shall be approved by the Engineer.

Units shall be designed to withstand dead and live loads, applicable snow load, erection forces, and other loads in accordance with the International Building Code 2003.

Connection and supporting devices shall be stainless steel. Provide cramp anchors for anchoring stones together at corners. Setting buttons, shims, and sheet shall be lead or resilient plastic, nonstaining, thickness to suit joint thickness. For pointed joints, sized to avoid interference with pointing operation.

Fabricator to be a qualified company that assumes responsibility for engineering cast stone units to comply with the required performance requirements.

Fabricate cast stone units straight and true to size and shape as shown on the plans. Place concrete in a continuous operation to prevent seams or planes of weakness from forming in cast stone units. Thoroughly consolidate placed concrete by internal and external vibration without dislocating or damaging reinforcement and built-in items, and minimize pour lines, honeycombing, or entrapped air on surfaces.

Cure concrete by moisture retention without heat, or by accelerated heat curing using low-pressure live steam, or radiant heat and moisture. Cure units until compressive strength is high enough to ensure that stripping does not have an effect on performance or appearance of final product.

Provide reinforcement to resist handling, transportation, and erection stresses and cast-in anchorage hardware as required for applications as shown on the plans.

Stone Masonry Veneer Type A- shall be sound, smooth, cut limestone, lannon veneer, standard grey with opening for translucent panel. Dimensions to be as shown on the plans.
Stone Masonry Veneer Type B - shall be sound, natural cut limestone, standard grey blend, rockface, (3 inch depth) as shown on plans. Stone shall be standard grade, free of cracks, seams, or starts, which may impair structural integrity.

The following products are preapproved: Brookfield Blend provided by Halquist Stone Company, Sussex, WI, 800-255-8811; or Autumn Sky provided by Fischer Stone, Freeport, IL, 815-233-3232; Artesian Blend by Eden Stone Eden, WI 53019 920-477-2521.

Other products will be considered if the Contractor demonstrates that they meet the listed requirements as approved by the Engineer.

Metal Flashing. Shall be constructed of stainless steel as shown on the plans. Dimensions to be as shown on the plans.

Veneer Anchors. Provide corrugated-metal veneer anchors, not less than 0.030-inch- thick by 7/8-inch- wide hot-dip galvanized steel sheet with corrugations having a wavelength of 0.3 to 0.5 inch and an amplitude of 0.06 to 0.10 inch of equal as recommended by stone fabricator and approved by the Engineer.

Mortar for Masonry. Mortar shall be Type S Portland cement-lime mortar with proportion restrictions as stated in the International Building Code 2003. Mortar and masonry cements will not be permitted. Provide integral waterproofing compound in mortar. Portland Cement shall conform to ASTM C 150, Type I or II. Hydrated lime shall conform to ASTM C207, Type S.

Grout for Masonry. Grout shall conform to ASTM C476–Mortar and Grout for Reinforced Masonry. Aggregates shall conform to ASTM C404–Aggregates for Masonry Grout. Grout shall have a minimum 28-day compressive strength of 2,500 psi with the following proportions: Fine Grout: 1 Portland Cement: 0 to 1/10 lime: 2 1/2 to 3 fine aggregate. Coarse Grout: 1 Portland Cement: 0 to 1/10 lime: 2 1/2 to 3 fine aggregate: 1 to 2 coarse aggregate. Fine grout shall be used in spaces with least horizontal dimension greater than 3/4 inches and less than 2 1/2 inches. Coarse grout shall be used in all spaces with least dimensions 2 1/2 inches or greater.

Sealant. Provide water resistance, flexible sealant along perimeter of stone veneer where metal flashing occurs.

Aluminum City Logo and Street Name Panels. Refer to Wayfinding Sign special provision for sign materials.

Portland Cement. Shall conform to Section 1001.

Water. Shall conform to Section 1002.

Fine Aggregate. Shall conform to Section 1003.

Coarse Aggregate. Shall conform to Section 1004.

Concrete admixtures. Shall conform to Section 1021.

Reinforcing. Shall conform to Section 508.

Resin Anchors. Shall conform to Section 584.

Architectural Cap. All cap framework materials to be schedule 40 aluminum tube unless otherwise indicated on the plans. Cap roof to be constructed of standing seam aluminum metal panels as shown on the plans. Provide hip, ridge caps and drip edges. Finish and color shall be copper patina green, as selected by the Engineer from the fabricator's full range of color options.

Fabricate architectural cap, based on the approved shop drawings including frame, roof panels, ridge and hip caps, and drip edges. All connections to be welded or mechanical fixed, unless otherwise indicated on the plans and approved shop drawings.

Finish shall include the following: Surface to be cleaned according to SSPC-SP 5/NACE No. 1, "White Metal Blast Cleaning." After cleaning, apply a conversion coating suited to the organic coating to be applied over it. Powder Coat with 2-coat finish consisting of epoxy primer and TGIC polyester topcoat, with a minimum total dry film thickness of not less than 8 mils.

Translucent Panel (Large Column, only). Engineered rigid, recycled content resin, not less than ¼" thick with matte finish rated for exterior use. The following manufacturers are pre-approved.

Manufacturer: 3 form
4770 Ohio Avenue S. Suite A
Seattle, WA 98134
1-800-649-2500
http://www.3-form.com/materials/chroma/

Manufacturer: Lumicor
1400 Monster Rd. SW
Renton, WA 98057
1-425-255-4000
http://www.lumicor.com/solutions/exterior

Manufacturer: LumiVisions: Architectural Elements & Design
300 Wilson Avenue, Suite 2020
Norwalk, CT 06854
1-203-529-3232
http://www.lumivisions.net/materials/exteriors/

Color: Light, warm yellow from manufacturer's standard colors. Color to be approved by engineer prior to construction.

Internal Uplight Fixture (Large Column, Only).
The following are pre-approved:

| | |
|---|---|
| Description: | Internal Uplight, compact flood light- wide beam |
| Manufacturer: | Bega, (805) 684-0533, www.bega-us.com |
| Catalog No: | 76680LEDK3-BLK |
| Lamps: | 6.5W LED |
| Ballasts: | Integral |
| Mounting: | Bracket, provide mounting bracket and anchors as shown on plans |
| Finish: | Black |

Description: Internal Uplight, 4610 SERIES

Manufacturer: Hydrel (866)-533-9901, http://hydrel.acuitybrands.com
Catalog No: 4610
Lamps: 9 Watt LED lamps
Ballasts: Yoke Mount
Mounting: Bracket, provide mounting bracket and anchors as shown on plans
Finish: Black

Description: Internal Uplight, Superlight Nano 2, wide beam
Manufacturer: Design Plan (908)-996-7710, http://www.designplan.com/
Catalog No: M8 818 046 059
Lamps: 4 x 1.5 W warm white
Ballasts: Integral
Mounting: Bracket, provide mounting bracket and anchors as shown on plans
Finish: Black

All light fixtures to be UL listed.

Contractor to provide remote transformer for all low voltage fixture types unless provided with an integral transformer.

*Final fixture and accessory options to be approved by engineer prior to ordering and construction based on field conditions.

Stone Masonry Veneer. Sort stone before it is placed to remove stone that does not comply with requirements relating to aesthetic effects, physical properties, or fabrication or that is otherwise unsuitable for intended use. Arrange stones with color and size variations uniformly dispersed for an evenly blended appearance. Perform necessary field cutting and trimming as stone is set.

Arrange stones in pattern as shown on the plans with random course heights, random lengths, and uniform joint widths. Maintain uniform joint widths except for variations due to different stone sizes and where minor variations are required to maintain bond alignment if any. Maintain joints at not less than 3/8 inch at narrowest points or more than 5/8 inch at widest points.

Place weep holes where moisture may accumulate, including at base of cavity walls and above shelf angles. Use wicking material to form weep holes. Turn wicking down at lip of foundation to be as inconspicuous as possible. Space weep holes 24 inches on center.

Variation from Plumb: For vertical lines and surfaces, do not exceed 1/4 inch in 10 feet, 3/8 inch in 20 feet, or 1/2 inch in 40 feet or more. For external corners, expansion joints, control joints, and other conspicuous lines, do not exceed 1/4 inch in 20 feet or 1/2 inch in 40 feet or more.
Variation from Level: For bed joints, do not exceed 1/4 inch in 20 feet or 1/2 inch in 40 feet or more.

Support stone veneer where concrete veneer ledge is not provided with a steel lintel attached to the concrete structure with ½ inch expansion bolts 12 inches on center minimum. Steel lintel is to be attached 6 inches below finish grade.

Anchor stone masonry veneer to unit masonry with corrugated metal veneer anchors. Embed anchors in unit masonry mortar joints or grouted cells for distance at least one-half of unit masonry thickness.

Provide 1 inch minimum cavity between stone masonry and concrete masonry units. Keep cavity free of mortar droppings and debris. Place mortar spots in cavity at veneer anchors to maintain spacing. Slope beds toward cavity to minimize mortar protrusions into cavity.

Rake joints to depth of approximately 3/8 inch deep to uniform depths with square bottoms and clean sides unless otherwise shown on the plans.

Clean stone masonry veneer as work progresses. Remove mortar fins and smears before tooling joints.

After mortar is thoroughly set and cured, clean stone masonry by removing large mortar particles by hand with wooden paddles and nonmetallic scrape hoes or chisels. Further clean by bucket and brush hand-cleaning method using job-mixed detergent solution unless otherwise approved by the Engineer.

Cast Stone. Install/set all units and accessories accurately, using skilled experienced personnel, according to approved shop and setting drawings.

Clean stone surfaces before setting using only water or mild cleaning compounds containing no caustic or abrasives. Drench all stone units thoroughly with water just before setting. Provide chases, reveals, openings, and other spaces required to accommodate other work. Close up after other work is complete with cast stone which matches stone already set. Where an open cavity is indicated between cast stone and backup material, keep cavity free of mortar and grout.

Install anchors, supports, fasteners, and other attachments indicated or necessary to secure stonework in place. Attach anchors securely to stone and to supporting surfaces. Place anchors and dowels firmly, and fill holes with mortar or nonshrink grout. Set cast stone accurately, in patterns and locations indicated, with uniform joints of dimensions indicated and with edges and faces aligned according to established relationships and indicated tolerances. Set stones supported on solid structural members on setting buttons, shims, or sheets, or a combination of setting buttons and mortar. After setting each stone, sponge off mortar smears and splashes. Embed only ends of lugged sills and similar stones; leave remainder of joint open and tuckpoint on faces only. Set all partially or fully horizontal stones with unfilled vertical joints. After setting, install backer rod, prime ends, and caulk.

Setting Tolerances: Set cast stone units to the following tolerances unless detailed otherwise: Variation from plumb of lines and surfaces of columns, walls, and arises: Maximum 1/4-inch in 10 feet. Variation in cross-sectional dimensions of column and wall thicknesses: maximum ±1/4-inch. Variation between faces of adjacent pieces and panels is not permitted.

Cleaning New Work - Masonry faces to remain exposed shall be wiped with a damp cloth as the work progresses and thoroughly cleaned and pointed upon completion. If stiff brushes and water will not suffice, the surface shall be thoroughly wetted with plain water and then scrubbed with a 5 or 10% solution of hydrochloric acid. Alternatively, a commercial cleaner such as Sure Klean, or equal, may be used. Immediately after, the surface shall be washed to remove all traces of acid. All surfaces not being cleaned shall be protected from the acid. All mortar shall be removed from surfaces other than masonry. For Cast Stone, remove and replace work that is broken, chipped, stained, or otherwise damaged; work that does not match approved samples or approved mock-

up; and work containing defective joints. Replace unacceptable materials in accordance with the cast stone manufacturer, leaving no visible evidence of replacement.

Architectural Cap. Dimensions to be as shown on the plans and approved shop drawings.

Set caps accurately in location, alignment, and elevation as shown on the plans. Set plumb within a tolerance of 1/16 inch in 3 feet.

Anchor architectural metal caps to concrete core and stone veneer mechanically with fasteners appropriately sized to secure in place.

Immediately after erection, clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop painting.

Method of Measurement. The contract unit price for masonry column shall include all concrete masonry unit work, all masonry veneer work, all cast stone work, 4" perforated drainage pipe, connections/appurtenances to the stub-out connection, internal uplight fixture, hardware, and conduit to the stub-out connection and all architectural cap work including mortar, reinforcement, finishing, cleanup, materials, labor, and equipment required to complete this work.

Basis of Payment. This work will be paid for at the contract unit price per each for MASONRY COLUMN, LARGE and MASONRY COLUMN, SMALL and no additional compensation will be allowed.

**UPLIGHTS**

Description. This work shall consist of providing all labor, materials, and equipment necessary to furnish and install light fixture assemblies. All work shall be according to Section 821 of the Standard Specifications except as indicated herein, as shown on the plans, and as directed by the Engineer.

Submittals. Submit Manufacturer's product data for each product specified to the Engineer for approval prior to construction.

Materials.

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|---|---|
| Description: | Uplight |
| Manufacturer: | Lumascape (650-595-5862) http://lumascape.com/ |
| Catalog No: | LS363LED A M 85 NR 23 Q 09 |
| Lamps: | 16LED White |
| Mounting: | In ground, provide concrete foundation 16" by 42" depth mount per manufacturer's instructions |
| Finish: | Black |

| | |
|---|---|
| Description: | Uplight, ICARE LED ADJ |
| Manufacturer: | TARGETTI USA, A division of Louis Poulsen (954)-349-2525 http://www.targettiusa.com/ |
| Catalog No: | ICARE LED ADJ |
| Lamps: | 15W LED/NEUTRAL WHT, ST ANOD BLK, SPOT, CLEAR, 9.5" |
| Mounting: | In ground, provide concrete foundation 16" by 42" depth mount per manufacturer's |

| | |
|---|---|
| | instructions |
| Finish: | Black Anodized Aluminum |

| | |
|---|---|
| Description: | Uplight |
| Manufacturer: | Hydrel (866)-533-9901, http://hydrel.acuitybrands.com |
| Catalog No: | M9710 A |
| Lamps: | 12 LED WHT30K MVOLT, NSP, FLC20, ¾", BL |
| Mounting: | In ground, provide concrete foundation 16" by 42" depth mount per manufacturer's instructions |
| Finish: | Black |

All light fixtures to be UL listed.

Contractor to provide remote transformer for all low voltage fixture types unless provided with an integral transformer.

Construction Requirements. Contractor shall confirm exact fixture placement and lengths for linear type fixtures based on field measurements. Contractor to provide all necessary parts and accessories to ensure proper installation and a fully functioning lighting system based on the intent as shown on the plans.

Method of Measurement. The furnishing and installation of the light fixture assemblies shall be measured for payment in place per each including all mounting hardware, concrete foundations, and all other incidental items to complete this work.

Basis of Payment. This work will be paid for at the contract unit price per each for UPLIGHTS. The price shall be full compensation for furnishing all materials, for all preparation and for all labor, equipment, tools and incidentals necessary to complete this item.

**STAMPED COLORED PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH**

Description. This work shall consist of providing integrally colored and stamped concrete with at sidewalk locations as shown on the plans. This work shall consist of subgrade preparation, formwork, reinforcement, finishing, and cleanup necessary for construction of Portland Cement Concrete sidewalk in accordance with Section 424 of the Standard Specifications, as described herein, and as depicted on the plan and detail sheets. .

Qualifications: The installer performing this work must be trained or approved by the manufacturer of the decorative concrete systems specified and must have a minimum of five years' experience with projects of similar scope and quantity. Submit qualifications to the Engineer for review and approval prior to construction.

Submittals. Submit Manufacturer's product data, pattern, and color samples for each product specified to the Engineer for review and approval prior to mock-up, ordering, and construction.

Mock-up. The contractor shall provide an on-site mock-up, minimum size of 4 feet by 4 feet by full thickness. Demonstrate range of finishes and workmanship, including curing procedures. Approved field samples set quality standards for comparison with remaining work. Approved field samples may become part of the completed work if approved by the engineer.

Materials.

Description: Integrally Colored and Stamped Concrete Paving. The following manufacturers are pre-approved.

Manufacturer: Butterfield Color
625 West Illinois Avenue
Aurora, IL 60506
1-800-282-3388
www.butterfieldcolor.com

Manufacturer: Scofield Color
L.M. Scofield Company
1652 E. Main Street Suite 200
St. Charles, IL 60174
(630) 377-5959
www.scofield.com

Manufacturer: Solomon Colors, Inc.
4050 Color Plant Road
Springfield, Il 62702
(217) 522-3112
www.solomoncolors.com

Integral Concrete Colorant: ASTM C 979, factory-measured powdered mix in self-dissolving packaging, consisting of non-fading finely-ground synthetic mineral-oxide coloring pigments and water reducing wetting agent.

Color A: Dark, Grey-Brown from manufacturer's standard colors. Color to be approved by engineer prior to construction.

Color B: Light, Buff-Tan from manufacturer's standard colors. Color to be approved by engineer prior to construction.

Clear Liquid Release Agent: Clear liquid bond breaker that facilitates release of stamps and texture rollers from colored concrete.

Stamp Mats: Semi-rigid polyurethane mats with projected texture and ridged underside capable of imprinting texture and joint patterns to plastic concrete.

Pattern: Running bond, natural slate pattern to be chosen from manufacturer's standard pattern. Pattern to be approved by engineer prior to construction.

Accessory Stamp Tools: Aluminum detailing tools capable of imprinting joints and dressing stamped joints of plastic concrete.

Concrete Admixtures: Comply with requirements of the Standard Specifications. Do not use calcium chloride or admixtures containing calcium chloride.

Curing and Sealing Materials: Clear, Solvent-Borne, Membrane-Forming Curing and Sealing Compound: ASTM C 309, non-yellowing, VOC-compliant, high-gloss, clear liquid.

Flatten Paste: Manufacturer's standard product designed to reduce sealer gloss finish to matte finish.

Slip-Resistive Additive: Finely graded aggregate or polymer additive designed to add to sealer for slip-resistant surface.

*Final color and stamp pattern selections to be approved by engineer prior to mockup, ordering, and construction.

Deliver materials in original packaging with labels intact. Store in clean, dry and protected location according to manufacturer's requirements.

Construction. Placement of concrete shall be performed in accordance with Section 424 of the Standard Specifications except as modified herein. Refer to layout plans and details for specific construction configurations and accessories. Work shall include subgrade preparation and all reinforcement, accessories, and finishing as shown on the plans and details.

Stamping. Stamp concrete surfaces according to manufacturer's instructions.
Mat Stamping: While concrete is plastic, accurately align stamp mats in sequence and uniformly press into concrete to produce imprint pattern, texture, and depth of imprint, according to manufacturer's instructions. Remove stamps from concrete immediately. Stamp edges and surfaces unable to be imprinted with stamp mat with flexible stamping mats. Remove unembedded pigmented powder release agent after interval recommended by manufacturer and according to manufacturer's instructions. Pressure wash surfaces according to manufacturer's instructions without damaging decorative concrete.

Joints. Provide sawcut control joints approximately 10 feet on center and expansion joints approximately 40 feet on center. Review joint placement with engineer to minimize impact to stamp pattern for approval prior to placement.

Curing and Sealing. Protect decorative concrete pavement from prematurely drying and excessive cold or hot temperatures. Cure decorative concrete pavement according to manufacturer's instructions.

Curing and Sealing Compound. Apply uniformly in continuous operation by sprayer or short nap roller according to manufacturer's instructions. After initial application is dry and tack free, apply a second coat. Do not over apply or apply in a single heavy coat. Thoroughly mix flatten paste in curing and sealing compound according to manufacturer's instructions. Stir occasionally to maintain uniform distribution of paste. Thoroughly mix slip-resistant additive in sealer according to manufacturer's instructions. Stir occasionally to maintain uniform distribution of additive. Verify adequacy of slip resistance before opening up surfaces to traffic. Do not cover concrete with plastic sheeting.

Repairs and Protection. Repair damaged decorative concrete pavement if required according to manufacturer's instructions. Clean spillage and soiling from adjacent construction according to manufacturer's instructions. Protect decorative cement concrete pavement from damage or deterioration until date of Final Acceptance.

Measurement. The contract unit price for stamped colored Portland cement concrete sidewalk, 5 inch shall include all subgrade preparation, formwork, reinforcement, accessories, concrete, stamping and integral coloring materials, finishing, cleanup, and all other, labor, and equipment required to complete this work.

Earth excavation and aggregate base course material as necessary to establish the specified grades will be measured for payment separately in accordance with these special provisions and Sections 202 and 351 of the Standard Specifications.

Basis of Payment. This work shall be paid for at the contract unit price per SQUARE FEET for STAMPED, COLORED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, and no additional compensation will be allowed.

Earth excavation and aggregate base course material will be paid for separately at the contract unit prices for EARTH EXCAVATION and AGGREGATE BASE COURSE, TYPE B and no additional compensation will be allowed.

**WAYFINDING SIGN**

Description. This work shall consist of furnishing, fabricating, transporting, cast in place concrete footing and erecting signage as specified herein, as shown on the plans, and as directed by the Engineer.

Submittals. Submit Manufacturer's product data for each product specified to the Engineer for approval prior to construction.

Prior to fabrication, prepare and submit shop drawings for each type of sign. Submit Manufacturer's product data for each type of material specified for review and approval by the Engineer prior to fabrication.

Materials. Materials provided for signage shall be in accordance with Section 720, 1091, and 1092 of the Standard Specifications except as indicated herein.

Sign Panels. All sign panels to be cut from 0.080 aluminum blank sheeting to dimensions as indicated in plans. Background, borders, and letters to be 3M 1177 Scotchlite Electrocut film colors as indicated in plans. Back of sign shall be painted black.

Posts. Refer to Decorative Sign Post special provision for sign post materials.

Mounting Hardware. Provide mounting hardware appropriate for application per manufacturer's recommendations and as indicated on the plans. Mount to concrete footing using IDOT approved breakaway method. Provide 12" diameter concrete footing per IDOT standard specifications.

Prior to fabrication submit complete shop drawings and samples for all signage components to the Engineer. Shop drawings shall show all sign elevations, including text, details of sections and connections. Show anchorage and accessory items. Provide a sample of typical sign and finish color for approval by the Engineer. All samples, product data, and shop drawings shall be submitted for approval prior to commencement of construction operations.

Construction. Layout all sign locations and review with the Engineer prior to installation. Set posts as indicated on plans and erect signs. Upon completion of the work, remove from site all excess materials, debris, tools, and equipment. Repair damage resulting from operations.

Measurement. The contract unit price for wayfinding sign shall include preparation of shop drawings, fabricating, furnishing, transporting, layout, and installation of signage including all materials, labor, and equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per EACH for WAYFINDING SIGN, and no additional compensation will be allowed.

The accessories and methods of attachment, including excavation and cast in place concrete foundation for setting posts, will not be measured for payment and shall be included in the contract unit cost for WAYFINDING SIGN, and no additional compensation will be allowed.

**BENCHES**

Description. This work shall consist of furnishing, transporting, assembling, and placing benches as specified herein, as shown on the plans, and as directed by the Engineer.

Submittals. Submit Manufacturer's product data for each product specified to the Engineer for approval prior to construction.

Materials.

| | |
|---|---|
| Description: | Flat Steel Bench |
| Manufacturer: | Wausau Tile<br>P.O. Box 1520<br>Wausau, WI 54402<br>1-800-388-8728<br>www.wausautile.com |
| Item No: | MF2203 |
| Options: | Straight back with center arm |
| Size: | 73" x 26" x 34" |
| Material: | Metal Armor coated steel |
| Color: | Black |

Construction. Assemble and install benches at locations as shown on the plans. Anchor benches with appropriately sized fasteners as recommended by the manufacturer, and as shown on the plans.

Measurement. The contract unit price for benches shall include assembly and all hardware necessary to attach the bench as recommended by the manufacturer and as shown on the plans, including all materials, labor, and equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per each for BENCHES and no additional compensation will be allowed.

**BICYCLE RACKS**

Description. This work shall consist of furnishing, transporting, assembling, and placing bicycle racks as specified herein, as shown on the plans, and as directed by the Engineer.

Submittals. Submit Manufacturer's product data for each product specified to the Engineer for approval prior to construction.

Materials.

| | |
|---|---|
| Description: | Steel Tube Bicycle Rack |
| Manufacturer: | Wausau Tile |
| | P.O. Box 1520 |
| | Wausau, WI 54402 |
| | 1-800-388-8728 |
| | www.wausautile.com |
| Item No: | MF9009 |
| Size: | 2" dia. 78-1/2" L x 35-3/4" H |
| Options: | Surface mount |
| Material: | Metal Armor coated steel |
| Color: | Black |

Construction. Assemble and install bicycle racks at locations as shown on the plans. Anchor bicycle racks with appropriately sized fasteners as recommended by the manufacturer, and as shown on the plans.

Measurement. The contract unit price for bike racks shall include assembly and all hardware necessary to attach the bench as recommended by the manufacturer and as shown on the plans, including all materials, labor, and equipment required to complete this work.

Basis of Payment. This work shall be paid for at the contract unit price per each for BICYCLE RACKS, and no additional compensation will be allowed.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

# SPECIAL PROVISION FOR COOPERATION WITH UTILITIES

Effective: January 1, 1999
Revised: January 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

Replace Article 105.07 of the Standard Specifications with the following:

"**105.07 Cooperation with Utilities.** The adjustment of utilities consists of the relocation, removal, replacement, rearrangements, reconstruction, improvement, disconnection, connection, shifting, new installation or altering of an existing utility facility in any manner.

When the plans or special provisions include information pertaining to the location of underground utility facilities, such information represents only the opinion of the Department as to the location of such utilities and is only included for the convenience of the bidder. The Department assumes no responsibility in respect to the sufficiency or the accuracy of the information shown on the plans relative to the location of the underground utility facilities.

Utilities which are to be adjusted shall be adjusted by the utility owner or the owner's representative or by the Contractor as a contract item. Generally, arrangements for adjusting existing utilities will be made by the Department prior to project construction; however, utilities will not necessarily be adjusted in advance of project construction and, in some cases, utilities will not be removed from the proposed construction limits. When utility adjustments must be performed in conjunction with construction, the utility adjustment work will be shown on the plans and/or covered by Special Provisions.

When the Contractor discovers a utility has not been adjusted by the owner or the owner's representative as indicated in the contract documents, or the utility is not shown on the plans or described in the Special Provisions as to be adjusted in conjunction with construction, the Contractor shall not interfere with said utility, and shall take proper precautions to prevent damage or interruption of the utility and shall promptly notify the Engineer of the nature and location of said utility.

All necessary adjustments, as determined by the Engineer, of utilities not shown on the plans or not identified by markers, will be made at no cost to the Contractor except traffic structures, light poles, etc., that are normally located within the proposed construction limits as hereinafter defined will not be adjusted unless required by the proposed improvement.

(a) Limits of Proposed Construction for Utilities Paralleling the Roadway. For the purpose of this Article, limits of proposed construction for utilities extending in the same longitudinal direction as the roadway, shall be defined as follows:

(1) The horizontal limits shall be a vertical plane, outside of, parallel to, and 600 mm (2 ft) distant at right angles from the plan or revised slope limits.

In cases where the limits of excavation for structures are not shown on the plans, the horizontal limits shall be a vertical plane 1.2 m (4 ft) outside the edges of structure footings or the structure where no footings are required.

(2) The upper vertical limits shall be the regulations governing the roadbed clearance for the specific utility involved.

(3) The lower vertical limits shall be the top of the utility at the depth below the proposed grade as prescribed by the governing agency or the limits of excavation, whichever is less.

(b) Limits of Proposed Construction for Utilities Crossing the Roadway. For the purpose of this Article, limits of proposed construction for utilities crossing the roadway in a generally transverse direction shall be defined as follows:

(1) Utilities crossing excavations for structures that are normally made by trenching such as sewers, underdrains, etc. and all minor structures such as manholes, inlets, foundations for signs, foundations for traffic signals, etc., the limits shall be the space to be occupied by the proposed permanent construction unless otherwise required by the regulations governing the specific utility involved.

(2) For utilities crossing the proposed site of major structures such as bridges, sign trusses, etc., the limits shall be as defined above for utilities extending in the same general direction as the roadway.

The Contractor may make arrangements for adjustment of utilities outside of the limits of proposed construction provided the Contractor furnishes the Department with a signed agreement with the utility owner covering the adjustments to be made. The cost of any adjustments made outside the limits of proposed construction shall be the responsibility of the Contractor unless otherwise provided.

The Contractor shall request all utility owners to field locate their facilities according to Article 107.31. The Engineer may make the request for location from the utility after receipt of notice from the Contractor. On request, the Engineer will make an inspection to verify that the utility company has field located its facilities, but will not assume responsibility for the accuracy of such work. The Contractor shall be responsible for maintaining the excavations or markers provided by the utility owners. This field location procedure may be waived if the utility owner has stated in writing to the Department it is satisfied the construction plans are sufficiently accurate. If the utility owner does not submit such statement to the Department, and they do not field locate their facilities in both horizontal and vertical alignment, the Engineer will authorize the Contractor in writing to proceed to locate the facilities in the most economical and reasonable manner, subject to the approval of the Engineer, and be paid according to Article 109.04.

The Contractor shall coordinate with any planned utility adjustment or new installation and the Contractor shall take all precautions to prevent disturbance or damage to utility facilities. Any failure on the part of the utility owner, or their representative, to proceed with any planned utility adjustment or new installation shall be reported promptly by the Contractor to the Engineer orally and in writing.

The Contractor shall take all necessary precautions for the protection of the utility facilities. The Contractor shall be responsible for any damage or destruction of utility facilities resulting from neglect, misconduct, or omission in the Contractor's manner or method of execution or nonexecution of the work, or caused by defective work or the use of unsatisfactory materials. Whenever any damage or destruction of a utility facility occurs as a result of work performed by the Contractor, the utility company will be immediately notified. The utility company will make arrangements to restore such facility to a condition equal to that existing before any such damage or destruction was done.

It is understood and agreed that the Contractor has considered in the bid all of the permanent and temporary utilities in their present and/or adjusted positions.

No additional compensation will be allowed for any delays, inconvenience, or damage sustained by the Contractor due to any interference from the said utility facilities or the operation of relocating the said utility facilities.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

# SPECIAL PROVISION FOR INSURANCE

Effective: February 1, 2007
Revised: August 1, 2007

All references to Sections or Articles in this specification shall be construed to mean specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

The Contractor shall name the following entities as additional insured under the Contractor's general liability insurance policy in accordance with Article 107.27:

VILLAGE OF VILLA PARK

The entities listed above and their officers, employees, and agents shall be indemnified and held harmless in accordance with Article 107.26.

State of Illinois
Department of Transportation
Bureau of Local Roads and Streets

# SPECIAL PROVISION FOR CONSTRUCTION AND MAINTENANCE SIGNS

Effective: January 1, 2004
Revised: June 1, 2007

All references to Sections or Articles in this specification shall be construed to mean a specific Section or Article of the Standard Specifications for Road and Bridge Construction, adopted by the Department of Transportation.

701.14. Signs. Add the following paragraph to Article 701.14:

All warning signs shall have minimum dimensions of 1200 mm x 1200 mm (48" x 48") and have a black legend on a fluorescent orange reflectorized background, meeting, as a minimum, Type AP reflectivity requirements of Table 1091-2 in Article 1091.02.

RAILROAD PROTECTIVE LIABILITY INSURANCE (BDE)

Effective: December 1, 1986
Revised: January 1, 2006

Description. Railroad Protective Liability and Property Damage Liability Insurance shall be carried according to Article 107.11 of the Standard Specifications. A separate policy is required for each railroad unless otherwise noted.

| NAMED INSURED & ADDRESS | NUMBER & SPEED OF PASSENGER TRAINS | NUMBER & SPEED OF FREIGHT TRAINS |
|---|---|---|

DOT/AAR No.: RR Mile Post:
RR Division: RR Sub-Division:

For Freight/Passenger Information Contact: Phone:
For Insurance Information Contact: Phone:

DOT/AAR No.: RR Mile Post:
RR Division: RR Sub-Division:

For Freight/Passenger Information Contact: Phone:
For Insurance Information Contact: Phone:

Approval of Insurance. The original and one certified copy of each required policy shall be submitted to the following address for approval:

Illinois Department of Transportation
Bureau of Design and Environment
2300 South Dirksen Parkway, Room 326
Springfield, Illinois 62764

The Contractor will be advised when the Department has received approval of the insurance from the railroad(s). Before any work begins on railroad right-of-way, the Contractor shall submit to the Engineer evidence that the required insurance has been approved by the railroad(s). The Contractor shall also provide the Engineer with the expiration date of each required policy.

Basis of Payment. Providing Railroad Protective Liability and Property Damage Liability Insurance will be paid for at the contract unit price per Lump Sum for RAILROAD PROTECTIVE LIABILITY INSURANCE.

3426I

**DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION (BDE)**

Effective: September 1, 2000
Revised: August 2, 2011

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR Part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on 100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

CONTRACTOR ASSURANCE. The Contractor makes the following assurance and agrees to include the assurance in each subcontract that the Contractor signs with a subcontractor.

> The Contractor, subrecipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of contracts funded in whole or in part with federal or state funds. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR Part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined that the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. The determination is

based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates that, in the absence of unlawful discrimination, and in an arena of fair and open competition, DBE companies can be expected to perform 20 % of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will only award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set for in this Special Provision:

(a) The bidder documents that enough DBE participation has been obtained to meet the goal: or

(b) The bidder documents that a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

DBE LOCATOR REFERENCES. Bidders shall consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217)785-4611, or by visiting the Department's website at www.dot.il.gov.

BIDDING PROCEDURES. Compliance with this Special Provision is a material bidding requirement. The failure of the bidder to comply will render the bid not responsive.

(a) The bidder shall submit a Disadvantaged Business Utilization Plan on Department forms SBE 2025 and 2026 with the bid.

(b) The Utilization Plan shall indicate that the bidder either has obtained sufficient DBE participation commitments to meet the contract goal or has not obtained enough DBE participation commitments in spite of a good faith effort to meet the goal. The Utilization Plan shall further provide the name, telephone number, and telefax number of a responsible official of the bidder designated for purposes of notification of plan approval or disapproval under the procedures of this Special Provision.

(c) The Utilization Plan shall include a DBE Participation Commitment Statement, Department form SBE 2025, for each DBE proposed for the performance of work to achieve the contract goal. For bidding purposes, submission of the completed SBE 2025 forms, signed by the DBEs and faxed to the bidder will be acceptable as long as the original is available and provided upon request. All elements of information indicated on the said form shall be provided, including but not limited to the following:

(1) The names and addresses of DBE firms that will participate in the contract;

(2) A description, including pay item numbers, of the work each DBE will perform;

(3) The dollar amount of the participation of each DBE firm participating. The dollar amount of participation for identified work shall specifically state the quantity, unit price, and total subcontract price for the work to be completed by the DBE. If partial pay items are to be performed by the DBE, indicate the portion of each item, a unit price where appropriate and the subcontract price amount;

(4) DBE Participation Commitment Statements, form SBE 2025, signed by the bidder and each participating DBE firm documenting the commitment to use the DBE subcontractors whose participation is submitted to meet the contract goal;

(5) if the bidder is a joint venture comprised of DBE companies and non-DBE companies, the plan must also include a clear identification of the portion of the work to be performed by the DBE partner(s); and,

(6) If the contract goal if not met, evidence of good faith efforts.

GOOD FAITH EFFORT PROCEDURES. The contract will not be awarded until the Utilization Plan submitted by the apparent successful bidder is approved. All information submitted by the bidder must be complete, accurate and adequately document that enough DBE participation has been obtained or document that good faith efforts of the bidder, in the event enough DBE participation has not been obtained, before the Department will commit to the performance of the contract by the bidder. The Utilization Plan will be approved by the Department if the Utilization Plan documents sufficient commercially useful DBE work performance to meet the contract goal or the bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A. The Utilization Plan will not be approved by the Department if the Utilization Plan does not document sufficient DBE participation to meet the contract goal unless the apparent successful bidder documented in the Utilization Plan that it made a good faith effort to meet the goal. This means that the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Department will consider the quality, quantity, and intensity of the kinds of efforts that the bidder has made. Mere *pro forma* efforts, in other words, efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

(a) The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases, and will be considered by the Department.

(1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.

(2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime Contractor might otherwise prefer to perform these work items with its own forces.

(3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

(4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable.

(5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.

(6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.

(7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.

(8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.

(b) If the Department determines that the apparent successful bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided that it is otherwise eligible for award. If the Department determines that the bidder has failed to meet the requirements of this Special Provision or that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification shall include a statement of reasons for the determination.

(c) The bidder may request administrative reconsideration of a determination adverse to the bidder within the five working days after the receipt of the notification date of the determination by delivering the request to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764 (Telefax: (217)785-1524). Deposit of the request in the United States mail on or before the fifth business day shall not be deemed delivery. The determination shall become final if a request is not made and delivered. A request may provide additional written documentation and/or argument concerning the issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. The request will be forwarded to the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person in order to consider all issues of documentation and whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten working days after receipt of the request for consideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

CALCULATING DBE PARTICIPATION. The Utilization Plan values represent work anticipated to be performed and paid for upon satisfactory completion. The Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE companies. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is

generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Department and Contractor are governed by the provisions of 49 CFR Part 26.55(c) on questions of commercially useful functions as it affects the work. Specific counting guidelines are provided in 49 CFR Part 26.55, the provisions of which govern over the summary contained herein.

(a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.

(b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.

(c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the prime Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.

(d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the following:

    (1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.

    (2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission is receives as a result of the lease arrangement.

(e) DBE as a material supplier:

    (1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.

    (2) 100 percent goal credit for the cost of materials of supplies obtained from a DBE manufacturer.

    (3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a regular dealer or manufacturer.

CONTRACT COMPLIANCE. Compliance with this Special Provision is an essential part of the contract. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Utilization Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the Contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal. All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the Participation Statement.

(a) NO AMENDMENT. No amendment to the Utilization Plan may be made without prior written approval from the Department's Bureau of Small Business Enterprises. All requests for amendment to the Utilization Plan shall be submitted to the Department of Transportation, Bureau of Small Business Enterprises, Contract Compliance Section, 2300 South Dirksen Parkway, Room 319, Springfield, Illinois 62764. Telephone number (217)785-4611. Telefax number (217)785-1524.

(b) TERMINATION OR REPLACEMENT. The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in the Special Provision.

(c) CHANGES TO WORK. Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Department as provided elsewhere in the Contract. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract. Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A, must be signed and submitted. If the commitment of work is in the form of additional tasks assigned to an existing subcontract, than a new Request for Approval of Subcontractor shall not be required. However, the Contractor must document efforts to assure that the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.

(d) ALTERNATIVE WORK METHODS. In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractor-initiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create underruns in condition of award DBE work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:

(1) That the replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award; or

(2) That the DBE is aware that its work will be deleted or will experience underruns and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or

(3) That the DBE is not capable of performing the replacement work or has declined to perform the work at a reasonable competitive price. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.

(e) TERMINATION AND REPLACEMENT PROCEDURES. The Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Bureau of Small Business Enterprises agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Bureau of Small Business Enterprises any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE five days to respond to the Contractor's notice. The DBE so notified shall advise the Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Bureau should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Bureau may provide a response period shorter than five days.

For purposes of this paragraph, good cause includes the following circumstances:

(1) The listed DBE subcontractor fails or refuses to execute a written contract;

(2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the prime contractor;

(3) The listed DBE subcontractor fails or refuses to meet the prime Contractor's reasonable, nondiscriminatory bond requirements;

(4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;

(5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1,200 or applicable state law.

(6) You have determined that the listed DBE subcontractor is not a responsible contractor;

(7) The listed DBE subcontractor voluntarily withdraws from the projects and provides to you written notice of its withdrawal;

(8) The listed DBE is ineligible to receive DBE credit for the type of work required;

(9) A DBE owner dies or becomes disabled with the result that the listed DBE contractor is unable to complete its work on the contract;

(10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the prime Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the prime Contractor can self-perform the work for which the DBE contractor was engaged or so that the prime Contractor can substitute another DBE or non-DBE contractor after contract award.

When a DBE is terminated, or fails to complete its work on the Contract for any reason the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal.

(f) PAYMENT RECORDS. The Contractor shall maintain a record of payments for work performed to the DBE participants. The records shall be made available to the Department for inspection upon request. After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than thirty calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Regional Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes that the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the BDE companies indicated in the Utilization Plan and after good faith efforts are reviewed, the Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages. The Contractor may request an administrative

reconsideration of any amount deducted as damages pursuant to subsection (h) of this part.

(g) ENFORCEMENT. The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.

(h) RECONSIDERATION. Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor my request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of “Good Faith Effort Procedures” of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department.

**WORKING DAYS (BDE)**

Effective: January 1, 2002

The Contractor shall complete the work within 80 working days.

80071

**RAILROAD PROTECTIVE LIABILITY INSURANCE (5 and 10) (BDE)**

Effective: January 1, 2006

Description. Railroad Protective Liability and Property Damage Liability Insurance shall be carried according to Article 107.11 of the Standard Specifications, except the limits shall be a minimum of $5,000,000 combined single limit per occurrence for bodily injury liability and property damage liability with an aggregate limit of $10,000,000 over the life of the policy. A separate policy is required for each railroad unless otherwise noted.

| NAMED INSURED & ADDRESS | NUMBER & SPEED OF PASSENGER TRAINS | NUMBER & SPEED OF FREIGHT TRAINS |
|---|---|---|

DOT/AAR No.: RR Mile Post:
RR Division: RR Sub-Division:

For Freight/Passenger Information Contact: Phone:
For Insurance Information Contact: Phone:

DOT/AAR No.: RR Mile Post:
RR Division: RR Sub-Division:

For Freight/Passenger Information Contact: Phone:
For Insurance Information Contact: Phone:

Approval of Insurance. The original and one certified copy of each required policy shall be submitted to the following address for approval:

Illinois Department of Transportation
Bureau of Design and Environment
2300 South Dirksen Parkway, Room 326
Springfield, Illinois 62764

The Contractor will be advised when the Department has received approval of the insurance from the railroad(s). Before any work begins on railroad right-of-way, the Contractor shall submit to the Engineer evidence that the required insurance has been approved by the railroad(s). The Contractor shall also provide the Engineer with the expiration date of each required policy.

Basis of Payment. Providing Railroad Protective Liability and Property Damage Liability Insurance will be paid for at the contract unit price per Lump Sum for RAILROAD PROTECTIVE LIABILITY INSURANCE.

80157

**HOT-MIX ASPHALT - DENSITY TESTING OF LONGITUDINAL JOINTS (BDE)**

Effective: January 1, 2010
Revised: April 1, 2012

Description. This work shall consist of testing the density of longitudinal joints as part of the quality control/quality assurance (QC/QA) of hot-mix asphalt (HMA). Work shall be according to Section 1030 of the Standard Specifications except as follows.

Quality Control/Quality Assurance (QC/QA). Delete the second and third sentence of the third paragraph of Article 1030.05(d)(3) of the Standard Specifications.

Add the following paragraphs to the end of Article 1030.05(d)(3) of the Standard Specifications:

"Longitudinal joint density testing shall be performed at each random density test location. Longitudinal joint testing shall be located at a distance equal to the lift thickness or a minimum of 4 in. (100 mm), from each pavement edge. (i.e. for a 5 in. (125 mm) lift the near edge of the density gauge or core barrel shall be within 5 in. (125 mm) from the edge of pavement.) Longitudinal joint density testing shall be performed using either a correlated nuclear gauge or cores.

a. Confined Edge. Each confined edge density shall be represented by a one-minute nuclear density reading or a core density and shall be included in the average of density readings or core densities taken across the mat which represents the Individual Test.

b. Unconfined Edge. Each unconfined edge joint density shall be represented by an average of three one-minute density readings or a single core density at the given density test location and shall meet the density requirements specified herein. The three one-minute readings shall be spaced ten feet apart longitudinally along the unconfined pavement edge and centered at the random density test location."

Revise the Density Control Limits table in Article 1030.05(d)(4) of the Standard Specifications to read:

| "Mixture Composition | Parameter | Individual Test (includes confined edges) | Unconfined Edge Joint Density Minimum |
|---|---|---|---|
| IL-4.75 | Ndesign = 50 | 93.0 – 97.4% | 91.0% |
| IL-9.5, IL-12.5 | Ndesign ≥ 90 | 92.0 – 96.0% | 90.0% |
| IL-9.5,IL-9.5L, IL-12.5 | Ndesign < 90 | 92.5 – 97.4% | 90.0% |
| IL-19.0, IL-25.0 | Ndesign ≥ 90 | 93.0 – 96.0% | 90.0% |
| IL-19.0, IL-19.0L, IL-25.0 | Ndesign < 90 | 93.0 – 97.4% | 90.0% |

| | | | |
|---|---|---|---|
| SMA | Ndesign = 50 & 80 | 93.5 – 97.4% | 91.0% |
| All Other | Ndesign = 30 | 93.0 - 97.4% | 90.0%” |

80246

**CONSTRUCTION AIR QUALITY – DIESEL RETROFIT (BDE)**

Effective: June 1, 2010
Revised: November 1, 2014

The reduction of emissions of particulate matter (PM) for off-road equipment shall be accomplished by installing retrofit emission control devices. The term "equipment" refers to diesel fuel powered devices rated at 50 hp and above, to be used on the jobsite in excess of seven calendar days over the course of the construction period on the jobsite (including rental equipment).

Contractor and subcontractor diesel powered off-road equipment assigned to the contract shall be retrofitted using the phased in approach shown below. Equipment that is of a model year older than the year given for that equipment's respective horsepower range shall be retrofitted:

| Effective Dates | Horsepower Range | Model Year |
|---|---|---|
| | | |
| June 1, 2010 [1/] | 600-749 | 2002 |
| | 750 and up | 2006 |
| | | |
| June 1, 2011 [2/] | 100-299 | 2003 |
| | 300-599 | 2001 |
| | 600-749 | 2002 |
| | 750 and up | 2006 |
| | | |
| June 1, 2012 [2/] | 50-99 | 2004 |
| | 100-299 | 2003 |
| | 300-599 | 2001 |
| | 600-749 | 2002 |
| | 750 and up | 2006 |

1/ Effective dates apply to Contractor diesel powered off-road equipment assigned to the contract.

2/ Effective dates apply to Contractor and subcontractor diesel powered off-road equipment assigned to the contract.

The retrofit emission control devices shall achieve a minimum PM emission reduction of 50 percent and shall be:

a) Included on the U.S. Environmental Protection Agency (USEPA) *Verified Retrofit Technology List* (http://www.epa.gov/cleandiesel/verification/verif-list.htm), or verified by the California Air Resources Board (CARB) (http://www.arb.ca.gov/diesel/verdev/vt/cvt.htm); or

b) Retrofitted with a non-verified diesel retrofit emission control device if verified retrofit emission control devices are not available for equipment proposed to be used on the project, and if the Contractor has obtained a performance certification from the retrofit

device manufacturer that the emission control device provides a minimum PM emission reduction of 50 percent.

Note: Large cranes (Crawler mounted cranes) which are responsible for critical lift operations are exempt from installing retrofit emission control devices if such devices adversely affect equipment operation.

Diesel powered off-road equipment with engine ratings of 50 hp and above, which are unable to be retrofitted with verified emission control devices or if performance certifications are not available which will achieve a minimum 50 percent PM reduction, may be granted a waiver by the Department if documentation is provided showing good faith efforts were made by the Contractor to retrofit the equipment.

Construction shall not proceed until the Contractor submits a certified list of the diesel powered off-road equipment that will be used, and as necessary, retrofitted with emission control devices. The list(s) shall include (1) the equipment number, type, make, Contractor/rental company name; and (2) the emission control devices make, model, USEPA or CARB verification number, or performance certification from the retrofit device manufacturer. Equipment reported as fitted with emissions control devices shall be made available to the Engineer for visual inspection of the device installation, prior to being used on the jobsite.

The Contractor shall submit an updated list of retrofitted off-road construction equipment as retrofitted equipment changes or comes on to the jobsite. The addition or deletion of any diesel powered equipment shall be included on the updated list.

If any diesel powered off-road equipment is found to be in non-compliance with any portion of this special provision, the Engineer will issue the Contractor a diesel retrofit deficiency deduction.

Any costs associated with retrofitting any diesel powered off-road equipment with emission control devices shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall not be grounds for a claim.

**Diesel Retrofit Deficiency Deduction**

When the Engineer determines that a diesel retrofit deficiency exists, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be $1,000.00 for each deficiency identified.

The deficiency will be based on lack of diesel retrofit emissions control.

If a Contractor accumulates three diesel retrofit deficiency deductions for the same piece of equipment in a contract period, the Contractor will be shutdown until the deficiency is corrected.

Such a shutdown will not be grounds for any extension of the contract time, waiver of penalties, or be grounds for any claim.

80261

**FRICTION AGGREGATE (BDE)**

Effective: January 1, 2011
Revised: November 1, 2014

Revise Article 1004.01(a)(4) of the Standard Specifications to read:

"(4) Crushed Stone. Crushed stone shall be the angular fragments resulting from crushing undisturbed, consolidated deposits of rock by mechanical means. Crushed stone shall be divided into the following, when specified.

a. Carbonate Crushed Stone. Carbonate crushed stone shall be either dolomite or limestone. Dolomite shall contain 11.0 percent or more magnesium oxide (MgO). Limestone shall contain less than 11.0 percent magnesium oxide (MgO).

b. Crystalline Crushed Stone. Crystalline crushed stone shall be either metamorphic or igneous stone, including but is not limited to, quartzite, granite, rhyolite and diabase."

Revise Article 1004.03(a) of the Standard Specifications to read:

"**1004.03 Coarse Aggregate for Hot-Mix Asphalt (HMA).** The aggregate shall be according to Article 1004.01 and the following.

(a) Description. The coarse aggregate for HMA shall be according to the following table.

| Use | Mixture | Aggregates Allowed |
|---|---|---|
| Class A | Seal or Cover | Allowed Alone or in Combination [5/]:<br><br>Gravel<br>Crushed Gravel<br>Carbonate Crushed Stone<br>Crystalline Crushed Stone<br>Crushed Sandstone<br>Crushed Slag (ACBF)<br>Crushed Steel Slag<br>Crushed Concrete |

| Use | Mixture | Aggregates Allowed |
|---|---|---|
| HMA<br>Low ESAL | Stabilized<br>Subbase or<br>Shoulders | <u>Allowed Alone or in Combination</u> [5/]:<br><br>Gravel<br>Crushed Gravel<br>Carbonate Crushed Stone<br>Crystalline Crushed Stone<br>Crushed Sandstone<br>Crushed Slag (ACBF)<br>Crushed Steel Slag[1/]<br>Crushed Concrete |
| HMA<br>High ESAL<br>Low ESAL | Binder<br>IL-19.0<br>or IL-19.0L<br><br>SMA Binder | <u>Allowed Alone or in Combination</u> [5/]:<br><br>Crushed Gravel<br>Carbonate Crushed Stone[2/]<br>Crystalline Crushed Stone<br>Crushed Sandstone<br>Crushed Slag (ACBF)<br>Crushed Concrete[3/] |
| HMA<br>High ESAL<br>Low ESAL | C Surface and<br>Leveling Binder<br>IL-9.5 or IL-9.5L<br><br>SMA<br>Ndesign 50<br>Surface | <u>Allowed Alone or in Combination</u> [5/]:<br><br>Crushed Gravel<br>Carbonate Crushed Stone[2/]<br>Crystalline Crushed Stone<br>Crushed Sandstone<br>Crushed Slag (ACBF)<br>Crushed Steel Slag[4/]<br>Crushed Concrete[3/] |
| HMA<br>High ESAL | D Surface and<br>Leveling Binder<br>IL-9.5<br><br>SMA<br>Ndesign 50<br>Surface | <u>Allowed Alone or in Combination</u> [5/]:<br><br>Crushed Gravel<br>Carbonate Crushed Stone (other than Limestone)[2/]<br>Crystalline Crushed Stone<br>Crushed Sandstone<br>Crushed Slag (ACBF)<br>Crushed Steel Slag[4/]<br>Crushed Concrete[3/] |
| | | <u>Other Combinations Allowed:</u><br>*Up to...* — *With...*<br>25% Limestone — Dolomite |

| Use | Mixture | Aggregates Allowed | |
|---|---|---|---|
| | | 50% Limestone | Any Mixture D aggregate other than Dolomite |
| | | 75% Limestone | Crushed Slag (ACBF) or Crushed Sandstone |
| HMA<br>High ESAL | E Surface<br>IL-9.5<br><br>SMA<br>Ndesign 80<br>Surface | <u>Allowed Alone or in Combination</u> [5/]:<br>Crushed Gravel<br>Crystalline Crushed Stone<br>Crushed Sandstone<br>Crushed Slag (ACBF)<br>Crushed Steel Slag<br>Crushed Concrete[3/]<br><br>No Limestone. | |
| | | <u>Other Combinations Allowed:</u> | |
| | | *Up to...* | *With...* |
| | | 50% Dolomite[2/] | Any Mixture E aggregate |
| | | 75% Dolomite[2/] | Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone |
| | | 75% Crushed Gravel or Crushed Concrete[3/] | Crushed Sandstone, Crystalline Crushed Stone, Crushed Slag (ACBF), or Crushed Steel Slag |
| HMA<br>High ESAL | F Surface<br>IL-9.5<br><br>SMA<br>Ndesign 80<br>Surface | <u>Allowed Alone or in Combination</u> [5/]:<br><br>Crystalline Crushed Stone<br>Crushed Sandstone<br>Crushed Slag (ACBF)<br>Crushed Steel Slag<br>No Limestone. | |
| | | <u>Other Combinations Allowed</u>: | |

| Use | Mixture | Aggregates Allowed | |
|---|---|---|---|
| | | *Up to...* | *With...* |
| | | 50% Crushed Gravel, Crushed Concrete[3/], or Dolomite[2/] | Crushed Sandstone, Crushed Slag (ACBF), Crushed Steel Slag, or Crystalline Crushed Stone |

1/ Crushed steel slag allowed in shoulder surface only.
2/ Carbonate crushed stone shall not be used in SMA Ndesign 80. In SMA Ndesign 50, carbonate crushed stone shall not be blended with any of the other aggregates allowed alone in Ndesign 50 SMA binder or Ndesign 50 SMA surface.
3/ Crushed concrete will not be permitted in SMA mixes.
4/ Crushed steel slag shall not be used as leveling binder.
5/ When combinations of aggregates are used, the blend percent measurements shall be by volume."

80265

**WARM MIX ASPHALT (BDE)**

Effective: January 1, 2012
Revised: November 1, 2014

Description. This work shall consist of designing, producing and constructing Warm Mix Asphalt (WMA) in lieu of Hot Mix Asphalt (HMA) at the Contractor's option. Work shall be according to Sections 406, 407, 408, 1030, and 1102 of the Standard Specifications, except as modified herein. In addition, any references to HMA in the Standard Specifications, or the special provisions shall be construed to include WMA.

WMA is an asphalt mixture which can be produced at temperatures lower than allowed for HMA utilizing approved WMA technologies. WMA technologies are defined as the use of additives or processes which allow a reduction in the temperatures at which HMA mixes are produced and placed. WMA is produced by the use of additives, a water foaming process, or combination of both. Additives include minerals, chemicals or organics incorporated into the asphalt binder stream in a dedicated delivery system. The process of foaming injects water into the asphalt binder stream, just prior to incorporation of the asphalt binder with the aggregate.

Approved WMA technologies may also be used in HMA provided all the requirements specified herein, with the exception of temperature, are met. However, asphalt mixtures produced at temperatures in excess of 275 °F (135 °C) will not be considered WMA when determining the grade reduction of the virgin asphalt binder grade.

Equipment.

Revise the first paragraph of Article 1102.01 of the Standard Specifications to read:

"**1102.01 Hot-Mix Asphalt Plant.** The hot-mix asphalt (HMA) plant shall be the batch-type, continuous-type, or dryer drum plant. The plants shall be evaluated for prequalification rating and approval to produce HMA according to the current Bureau of Materials and Physical Research Policy Memorandum, "Approval of Hot-Mix Asphalt Plants and Equipment". Once approved, the Contractor shall notify the Bureau of Materials and Physical Research to obtain approval of all plant modifications. The plants shall not be used to produce mixtures concurrently for more than one project or for private work unless permission is granted in writing by the Engineer. The plant units shall be so designed, coordinated and operated that they will function properly and produce HMA having uniform temperatures and compositions within the tolerances specified. The plant units shall meet the following requirements."

Add the following to Article 1102.01(a) of the Standard Specifications.

"(13) Equipment for Warm Mix Technologies.

a. Foaming. Metering equipment for foamed asphalt shall have an accuracy of ± 2 percent of the actual water metered. The foaming control system shall be electronically interfaced with the asphalt binder meter.

b. Additives. Additives shall be introduced into the plant according to the supplier's recommendations and shall be approved by the Engineer. The system for introducing the WMA additive shall be interlocked with the aggregate feed or weigh system to maintain correct proportions for all rates of production and batch sizes."

Mix Design Verification.

Add the following to Article 1030.04 of the Standard Specifications.

"(e) Warm Mix Technologies.

(1) Foaming. WMA mix design verification will not be required when foaming technology is used alone (without WMA additives). However, the foaming technology shall only be used on HMA designs previously approved by the Department.

(2) Additives. WMA mix designs utilizing additives shall be submitted to the Engineer for mix design verification."

Construction Requirements.

Revise the second paragraph of Article 406.06(b)(1) of the Standard Specifications to read:

"The HMA shall be delivered at a temperature of 250 to 350 °F (120 to 175 °C). WMA shall be delivered at a minimum temperature of 215 °F (102 °C)."

Basis of Payment.

This work will be paid at the contract unit price bid for the HMA pay items involved. Anti-strip will not be paid for separately, but shall be considered as included in the cost of the work.

80288

**TRACKING THE USE OF PESTICIDES (BDE)**

Effective: August 1, 2012

Add the following paragraph after the first paragraph of Article 107.23 of the Standard Specifications:

"Within 48 hours of the application of pesticides, including but not limited to herbicides, insecticides, algaecides, and fungicides, the Contractor shall complete and return to the Engineer, Operations form "OPER 2720"."

80301

**WEEKLY DBE TRUCKING REPORTS (BDE)**

Effective: June 2, 2012

The Contractor shall provide a weekly report of Disadvantaged Business Enterprise (DBE) trucks hired by the Contractor or subcontractors (i.e. not owned by the Contractor or subcontractors) that are used on the jobsite; or used for the delivery and/or removal of equipment/material to and from the jobsite. The jobsite shall also include offsite locations, such as plant sites or storage sites, when those locations are used solely for this contract.

The report shall be submitted on the form provided by the Department within ten business days following the reporting period. The reporting period shall be Monday through Sunday for each week reportable trucking activities occur. The report shall be submitted to the Engineer and a copy shall be provided to the district EEO Officer.

Any costs associated with providing weekly DBE trucking reports shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

80302

**COATED GALVANIZED STEEL CONDUIT (BDE)**

Effective: January 1, 2013
Revised: January 1, 2015

Revise Article 811.03(b) of the Standard Specifications to read:

"(b) Coated Galvanized Steel Conduit. In addition to the methods described in Article 810.05(a) the following methods shall be observed when installing coated conduit.

Coated conduit pipe vise jaw adapters shall be used when the conduit is being clamped to avoid damaging the coating.

Coated conduit shall be cut with a roller cutter or by other means approved by the conduit manufacturer.

After any cutting or threading operations are completed, the bare steel shall be touched up with the conduit manufacturer's touch up compound."

80310

**LRFD STORM SEWER BURIAL TABLES (BDE)**

Effective: November 1, 2013
Revised: November 1, 2014

Revise Article 550.02 of the Standard Specifications to read as follows:

| "Item | Article Section |
|---|---|
| (a) Clay Sewer Pipe | 1040.02 |
| (b) Extra Strength Clay Pipe | 1040.02 |
| (c) Concrete Sewer, Storm Drain, and Culvert Pipe | 1042 |
| (d) Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe | 1042 |
| (e) Reinforced Concrete Elliptical Culvert, Storm Drain,and Sewer Pipe (Note 1) | 1042 |
| (f) Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe (Note 1) | 1042 |
| (g) Polyvinyl Chloride (PVC) Pipe | 1040.03 |
| (h) Corrugated Polyvinyl Chloride (PVC) Pipe with a Smooth Interior | 1040.03 |
| (i) Corrugated Polypropylene (CPP) Pipe with Smooth Interior | 1040.07 |
| (j) Rubber Gaskets and Preformed Flexible Joint Sealants for Concrete Pipe | 1056 |
| (k) Mastic Joint Sealer for Pipe | 1055 |
| (l) External Sealing Band | 1057 |
| (m) Fine Aggregate (Note 2) | 1003.04 |
| (n) Coarse Aggregate (Note 3) | 1004.05 |
| (o) Reinforcement Bars and Welded Wire Fabric | 1006.10 |
| (p) Handling Hole Plugs | 1042.16 |
| (q) Polyethylene (PE) Pipe with a Smooth Interior | 1040.04 |
| (r) Corrugated Polyethylene (PE) Pipe with a Smooth Interior | 1040.04 |

Note 1. The class of elliptical and arch pipe used for various storm sewer sizes and heights of fill shall conform to the requirements for circular pipe.

Note 2. The fine aggregate shall be moist.

Note 3. The coarse aggregate shall be wet."

Revise the table for permitted materials in Article 550.03 of the Standard Specifications as follows:

| "Class | **Materials** |
|---|---|
| A | Rigid Pipes:<br>Clay Sewer Pipe<br>Extra Strength Clay Pipe<br>Concrete Sewer, Storm Drain, and Culvert Pipe<br>Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe<br>Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe<br>Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe |
| B | Rigid Pipes:<br>Clay Sewer Pipe<br>Extra Strength Clay Pipe<br>Concrete Sewer, Storm Drain, and Culvert Pipe<br>Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe<br>Reinforced Concrete Elliptical Culvert, Storm Drain, and Sewer Pipe<br>Reinforced Concrete Arch Culvert, Storm Drain, and Sewer Pipe<br>Flexible Pipes:<br>Polyvinyl Chloride (PVC) Pipe<br>Corrugated Polyvinyl Chloride Pipe (PVC) with a Smooth Interior<br>Polyethylene (PE) Pipe with a Smooth Interior<br>Corrugated Polyethylene (PE) Pipe with a Smooth Interior<br>Corrugated Polypropylene (CPP) Pipe with a Smooth Interior" |

Replace the storm sewers tables in Article 550.03 of the Standard Specifications with the following:

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

| Nominal Diameter in. | Type 1 | | | | | | | | Type 2 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Fill Height: 3' and less With 1' minimum cover | | | | | | | | Fill Height: Greater than 3' not exceeding 10' | | | | | | | |
| | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP |
| 10 | NA | 3 | X | X | X | X | X | NA | NA | 1 | *X | X | X | X | X | NA |
| 12 | IV | NA | X | X | X | X | X | X | II | 1 | *X | X | X | X | X | X |
| 15 | IV | NA | NA | X | X | NA | X | X | II | 1 | *X | X | X | NA | X | X |
| 18 | IV | NA | NA | X | X | X | X | X | II | 2 | X | X | X | X | X | X |
| 21 | III | NA | NA | X | X | NA | NA | NA | II | 2 | X | X | X | NA | NA | NA |
| 24 | III | NA | NA | X | X | X | X | X | II | 2 | X | X | X | X | X | X |
| 27 | III | NA | NA | NA | NA | NA | NA | NA | II | 3 | X | NA | NA | NA | NA | NA |
| 30 | IV | NA | NA | X | X | X | X | X | II | 3 | X | X | X | X | X | X |
| 33 | III | NA | NA | NA | NA | NA | NA | NA | II | NA | X | NA | NA | NA | NA | NA |
| 36 | III | NA | NA | X | X | X | X | X | II | NA | X | X | X | X | X | X |
| 42 | II | NA | X | X | NA | X | X | NA | II | NA | X | X | NA | X | NA | NA |
| 48 | II | NA | X | X | NA | X | X | X | II | NA | X | X | NA | X | NA | NA |
| 54 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 60 | II | NA | NA | NA | NA | NA | NA | X | II | NA | NA | NA | NA | NA | NA | X |
| 66 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 72 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 78 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 84 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 90 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 96 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |
| 102 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |
| 108 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior

X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe

STORM SEWERS (Metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

| Nominal Diameter in. | Type 1 | | | | | | | | Type 2 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Fill Height: 1 m and less With 300 mm minimum cover | | | | | | | | Fill Height: Greater than 1 m not exceeding 3 m | | | | | | | |
| | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP |
| 250 | NA | 3 | X | X | X | X | X | NA | NA | 1 | *X | X | X | X | X | NA |
| 300 | IV | NA | X | X | X | X | X | X | II | 1 | *X | X | X | X | X | X |
| 375 | IV | NA | NA | X | X | NA | X | X | II | 1 | *X | X | X | NA | X | X |
| 450 | IV | NA | NA | X | X | X | X | X | II | 2 | X | X | X | X | X | X |
| 525 | III | NA | NA | X | X | NA | NA | NA | II | 2 | X | X | X | NA | NA | NA |
| 600 | III | NA | NA | X | X | X | X | X | II | 2 | X | X | X | X | X | X |
| 675 | III | NA | NA | NA | NA | NA | NA | NA | II | 3 | X | NA | NA | NA | NA | NA |
| 750 | IV | NA | NA | X | X | X | X | X | II | 3 | X | X | X | X | X | X |
| 825 | III | NA | NA | NA | NA | NA | NA | NA | II | NA | X | NA | NA | NA | NA | NA |
| 900 | III | NA | NA | X | X | X | X | X | II | NA | X | X | X | X | X | X |
| 1050 | II | NA | X | X | NA | X | X | NA | II | NA | X | X | NA | X | NA | NA |
| 1200 | II | NA | X | X | NA | X | X | X | II | NA | X | X | NA | X | NA | NA |
| 1350 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 1500 | II | NA | NA | NA | NA | NA | NA | X | II | NA | NA | NA | NA | NA | NA | X |
| 1650 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 1800 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 1950 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 2100 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 2250 | II | NA | NA | NA | NA | NA | NA | NA | II | NA | NA | NA | NA | NA | NA | NA |
| 2400 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |
| 2550 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |
| 2700 | II | NA | NA | NA | NA | NA | NA | NA | III | NA | NA | NA | NA | NA | NA | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

| Nominal Diameter in. | Type 3 | | | | | | | | Type 4 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Fill Height: Greater than 10' not exceeding 15' | | | | | | | | Fill Height: Greater than 15' not exceeding 20' | | | | | | |
| | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP | RCCP | CSP | ESCP | PVC | CPVC | PE | CPP |
| 10 | NA | 2 | X | X | X | X | X | NA | NA | 3 | X | X | X | X | NA |
| 12 | III | 2 | X | X | X | X | NA | X | IV | NA | NA | X | X | X | NA |
| 15 | III | 3 | X | X | X | NA | NA | X | IV | NA | NA | X | X | NA | X |
| 18 | III | NA | X | X | X | X | NA | X | IV | NA | NA | X | X | X | NA |
| 21 | III | NA | NA | X | X | NA | NA | NA | IV | NA | NA | X | X | NA | NA |
| 24 | III | NA | NA | X | X | X | NA | NA | IV | NA | NA | X | X | X | NA |
| 27 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 30 | III | NA | NA | X | X | X | NA | X | IV | NA | NA | X | X | X | NA |
| 33 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 36 | III | NA | NA | X | X | X | NA | NA | IV | NA | NA | X | X | X | NA |
| 42 | III | NA | NA | X | NA | X | NA | NA | IV | NA | NA | X | NA | X | NA |
| 48 | III | NA | NA | X | NA | X | NA | NA | IV | NA | NA | X | NA | X | NA |
| 54 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 60 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 66 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 72 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 78 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 84 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 90 | III | NA | NA | NA | NA | NA | NA | NA | 1680 | NA | NA | NA | NA | NA | NA |
| 96 | III | NA | NA | NA | NA | NA | NA | NA | 1690 | NA | NA | NA | NA | NA | NA |
| 102 | III | NA | NA | NA | NA | NA | NA | NA | 1700 | NA | NA | NA | NA | NA | NA |
| 108 | 1360 | NA | NA | NA | NA | NA | NA | NA | 1710 | NA | NA | NA | NA | NA | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Iinterior
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

| Nominal Diameter in. | Type 3 | | | | | | | | Type 4 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Fill Height: Greater than 3 m not exceeding 4.5 m | | | | | | | | Fill Height: Greater than 4.5 m not exceeding 6 m | | | | | | |
| | RCCP | CSP | ESCP | PVC | CPVC | PE | CPE | CPP | RCCP | CSP | ESCP | PVC | CPVC | PE | CPP |
| 250 | NA | 2 | X | X | X | X | X | NA | NA | 3 | X | X | X | X | NA |
| 300 | III | 2 | X | X | X | X | NA | X | IV | NA | NA | X | X | X | NA |
| 375 | III | 3 | X | X | X | NA | NA | X | IV | NA | NA | X | X | NA | X |
| 450 | III | NA | X | X | X | X | NA | X | IV | NA | NA | X | X | X | NA |
| 525 | III | NA | NA | X | X | NA | NA | NA | IV | NA | NA | X | X | NA | NA |
| 600 | III | NA | NA | X | X | X | NA | NA | IV | NA | NA | X | X | X | NA |
| 675 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 750 | III | NA | NA | X | X | X | NA | X | IV | NA | NA | X | X | X | NA |
| 825 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 900 | III | NA | NA | X | X | X | NA | NA | IV | NA | NA | X | X | X | NA |
| 1050 | III | NA | NA | X | NA | X | NA | NA | IV | NA | NA | X | NA | X | NA |
| 1200 | III | NA | NA | X | NA | X | NA | NA | IV | NA | NA | X | NA | X | NA |
| 1350 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 1500 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 1650 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 1800 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 1950 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 2100 | III | NA | NA | NA | NA | NA | NA | NA | IV | NA | NA | NA | NA | NA | NA |
| 2250 | III | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA |
| 2400 | III | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA |
| 2550 | III | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA |
| 2700 | 70 | NA | NA | NA | NA | NA | NA | NA | 80 | NA | NA | NA | NA | NA | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
CSP Concrete Sewer, Storm drain, and Culvert Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
PE Polyethylene Pipe with a Smooth Interior
CPE Corrugated Polyethylene Pipe with a Smooth Interior
CPP Corrugated Polypropylene pipe with a Smooth Interior
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
* May also use Standard Strength Clay Pipe
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

STORM SEWERS
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

| Nominal Diameter in. | Type 5 | | | Type 6 | | | Type 7 | |
|---|---|---|---|---|---|---|---|---|
| | Fill Height: Greater than 20' not exceeding 25' | | | Fill Height: Greater than 25' not exceeding 30' | | | Fill Height: Greater than 30' not exceeding 35' | |
| | RCCP | PVC | CPVC | RCCP | PVC | CPVC | RCCP | CPVC |
| 10 | NA | X | X | NA | X | X | NA | X |
| 12 | IV | X | X | V | X | X | V | X |
| 15 | IV | X | X | V | X | X | V | X |
| 18 | IV | X | X | V | X | X | V | X |
| 21 | IV | X | X | V | X | X | V | X |
| 24 | IV | X | X | V | X | X | V | X |
| 27 | IV | NA | NA | V | NA | NA | V | NA |
| 30 | IV | X | X | V | X | X | V | X |
| 33 | IV | NA | NA | V | NA | NA | V | NA |
| 36 | IV | X | X | V | X | X | V | X |
| 42 | IV | X | NA | V | X | NA | V | NA |
| 48 | IV | X | NA | V | X | NA | V | NA |
| 54 | IV | NA | NA | V | NA | NA | V | NA |
| 60 | IV | NA | NA | V | NA | NA | V | NA |
| 66 | IV | NA | NA | V | NA | NA | V | NA |
| 72 | V | NA | NA | V | NA | NA | V | NA |
| 78 | 2020 | NA | NA | 2370 | NA | NA | 2730 | NA |
| 84 | 2020 | NA | NA | 2380 | NA | NA | 2740 | NA |
| 90 | 2030 | NA | NA | 2390 | NA | NA | 2750 | NA |
| 96 | 2040 | NA | NA | 2400 | NA | NA | 2750 | NA |
| 102 | 2050 | NA | NA | 2410 | NA | NA | 2760 | NA |
| 108 | 2060 | NA | NA | 2410 | NA | NA | 2770 | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the D-load to produce a 0.01 in crack.

STORM SEWERS (metric)
KIND OF MATERIAL PERMITTED AND STRENGTH REQUIRED
FOR A GIVEN PIPE DIAMETERS AND FILL HEIGHTS OVER THE TOP OF THE PIPE

| Nominal Diameter in. | Type 5 | | | Type 6 | | | Type 7 | |
|---|---|---|---|---|---|---|---|---|
| | Fill Height: Greater than 20' not exceeding 25' | | | Fill Height: Greater than 25' not exceeding 30' | | | Fill Height: Greater than 30' not exceeding 35' | |
| | RCCP | PVC | CPVC | RCCP | PVC | CPVC | RCCP | CPVC |
| 250 | NA | X | X | NA | X | X | NA | X |
| 300 | IV | X | X | V | X | X | V | X |
| 375 | IV | X | X | V | X | X | V | X |
| 450 | IV | X | X | V | X | X | V | X |
| 525 | IV | X | X | V | X | X | V | X |
| 600 | IV | X | X | V | X | X | V | X |
| 675 | IV | NA | NA | V | NA | NA | V | NA |
| 750 | IV | X | X | V | X | X | V | X |
| 825 | IV | NA | NA | V | NA | NA | V | NA |
| 900 | IV | X | X | V | X | X | V | X |
| 1050 | IV | X | NA | V | X | NA | V | NA |
| 1200 | IV | X | NA | V | X | NA | V | NA |
| 1350 | IV | NA | NA | V | NA | NA | V | NA |
| 1500 | IV | NA | NA | V | NA | NA | V | NA |
| 1650 | IV | NA | NA | V | NA | NA | V | NA |
| 1800 | V | NA | NA | V | NA | NA | V | NA |
| 1950 | 100 | NA | NA | 110 | NA | NA | 130 | NA |
| 2100 | 100 | NA | NA | 110 | NA | NA | 130 | NA |
| 2250 | 100 | NA | NA | 110 | NA | NA | 130 | NA |
| 2400 | 100 | NA | NA | 120 | NA | NA | 130 | NA |
| 2550 | 100 | NA | NA | 120 | NA | NA | 130 | NA |
| 2700 | 100 | NA | NA | 120 | NA | NA | 130 | NA |

RCCP Reinforced Concrete Culvert, Storm Drain, and Sewer Pipe
PVC Polyvinyl Chloride Pipe
CPVC Corrugated Polyvinyl Chloride Pipe
ESCP Extra Strength Clay Pipe
X This material may be used for the given pipe diameter and fill height.
NA This material is Not Acceptable for the given pipe diameter and fill height.
Note RCCP with a number instead of a Roman numeral shall be furnished according to AASHTO M170 Section 6. This number represents the metric D-load to produce a 25.4 micro-meter crack.

Revise the sixth paragraph of Article 550.06 of the Standard Specifications to read:

"PVC, PE and CPP pipes shall be joined according to the manufacturer's specifications."

Revise the first and second paragraphs of Article 550.08 of the Standard Specifications to read:

"**550.08 Deflection Testing for Storm Sewers.** All PVC, PE, and CPP storm sewers shall be tested for deflection not less than 30 days after the pipe is installed and the backfill compacted. The testing shall be performed in the presence of the Engineer.

For PVC, PE, and CPP storm sewers with diameters 24 in. (600 mm) or smaller, a mandrel drag shall be used for deflection testing. For PVC, PE, and CPP storm sewers with diameters over 24 in. (600 mm), deflection measurements other than by a mandrel shall be used."

Revise the fifth paragraph of Article 550.08 to read as follows.

"The outside diameter of the mandrel shall be 95 percent of the base inside diameter. For all PVC pipe the base inside diameter shall be defined using ASTM D 3034 methodology. For all PE and CPP pipe, the base inside diameter shall be defined as the average inside diameter based on the minimum and maximum tolerances specified in the corresponding ASTM or AASHTO material specifications."

Revise the first paragraph of Article 1040.03 of the Standard Specifications to read:

"**1040.03 Polyvinyl Chloride (PVC) Pipe.** Acceptance testing of PVC pipe and fittings shall be accomplished during the same construction season in which they are installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements."

Delete Articles 1040.03(e) and (f) of the Standard Specifications.

Revise Articles 1040.04(c) and (d) of the Standard Specifications to read:

"(c) PE Profile Wall Pipe for Insertion Lining. The pipe shall be according to ASTM F 894. When used for insertion lining of pipe culverts, the pipe liner shall have a minimum pipe stiffness of 46 psi (317 kPa) at five percent deflection for nominal inside diameters of 42 in. (1050 mm) or less. For nominal inside diameters of greater than 42 in. (1050 mm), the pipe liner shall have a minimum pipe stiffness of 32.5 psi (225 kPa) at five percent deflection. All sizes shall have wall construction that presents essentially smooth internal and external surfaces.

(d) PE Pipe with a Smooth Interior. The pipe shall be according to ASTM F 714 (DR 32.5) with a minimum cell classification of PE 335434 as defined in ASTM D 3350. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written

certification that the material meets those properties and the resin used to manufacture the pipe meets or exceeds the minimum cell classification requirements."

Add the following to Section 1040 of the Standard Specifications:

"**1040.08 Polypropylene (PP) Pipe.** Storage and handling shall be according to the manufacturer's recommendations, except in no case shall the pipe be exposed to direct sunlight for more than six months. Acceptance testing of the pipe shall be accomplished during the same construction season in which it is installed. The section properties shall be according to the manufacturer pre-submitted geometric properties on file with the Department. The manufacturer shall submit written certification that the material meets those properties. The pipe shall meet the following additional requirements.

(a) Corrugated PP Pipe with a Smooth Interior. The pipe shall be according to AAHSTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type S or D.

(b) Perforated Corrugated PP Pipe with A Smooth Interior. The pipe shall be according to AASHTO M 330 (nominal size – 12 to 60 in. (300 to 1500 mm)). The pipe shall be Type SP. In addition, the top centerline of the pipe shall be marked so that it is readily visible from the top of the trench before backfilling, and the upper ends of the slot perforations shall be a minimum of ten degrees below the horizontal."

80325

**PROGRESS PAYMENTS (BDE)**

Effective: November 2, 2013

Revise Article 109.07(a) of the Standard Specifications to read:

"(a) Progress Payments. At least once each month, the Engineer will make a written estimate of the quantity of work performed in accordance with the contract, and the value thereof at the contract unit prices. The amount of the estimate approved as due for payment will be vouchered by the Department and presented to the State Comptroller for payment. No amount less than $1000.00 will be approved for payment other than the final payment.

Progress payments may be reduced by liens filed pursuant to Section 23(c) of the Mechanics' Lien Act, 770 ILCS 60/23(c).

If a Contractor or subcontractor has defaulted on a loan issued under the Department's Disadvantaged Business Revolving Loan Program (20 ILCS 2705/2705-610), progress payments may be reduced pursuant to the terms of that loan agreement. In such cases, the amount of the estimate related to the work performed by the Contractor or subcontractor, in default of the loan agreement, will be offset, in whole or in part, and vouchered by the Department to the Working Capital Revolving Fund or designated escrow account. Payment for the work shall be considered as issued and received by the Contractor or subcontractor on the date of the offset voucher. Further, the amount of the offset voucher shall be a credit against the Department's obligation to pay the Contractor, the Contractor's obligation to pay the subcontractor, and the Contractor's or subcontractor's total loan indebtedness to the Department. The offset shall continue until such time as the entire loan indebtedness is satisfied. The Department will notify the Contractor and Fund Control Agent in a timely manner of such offset. The Contractor or subcontractor shall not be entitled to additional payment in consideration of the offset.

The failure to perform any requirement, obligation, or term of the contract by the Contractor shall be reason for withholding any progress payments until the Department determines that compliance has been achieved."

80328

**CONCRETE GUTTER, CURB, MEDIAN, AND PAVED DITCH (BDE)**

Effective: April 1, 2014
Revised: August 1, 2014

Add the following to Article 606.02 of the Standard Specifications:

"(i) Polyurethane Joint Sealant .....1050.04"

Revise the fifth paragraph of Article 606.07 of the Standard Specifications to read:

"Transverse contraction and longitudinal construction joints shall be sealed according to Article 420.12, except transverse joints in concrete curb and gutter shall be sealed with polysulfide or polyurethane joint sealant."

Add the following to Section 1050 of the Standard Specifications:

"**1050.04 Polyurethane Joint Sealant.** The joint sealant shall be a polyurethane sealant, Type S, Grade NS, Class 25 or better, Use T ($T_1$ or $T_2$), according to ASTM C 920."

80334

**CONTRACT CLAIMS (BDE)**

Effective: April 1, 2014

Revise the first paragraph of Article 109.09(a) of the Standard Specifications to read:

"(a) Submission of Claim. All claims filed by the Contractor shall be in writing and in sufficient detail to enable the Department to ascertain the basis and amount of the claim. As a minimum, the following information must accompany each claim submitted."

Revise Article 109.09(e) of the Standard Specifications to read:

"(e) Procedure. The Department provides two administrative levels for claims review.

Level I Engineer of Construction
Level II Chief Engineer/Director of Highways or Designee

(1) Level I. All claims shall first be submitted at Level I. Two copies each of the claim and supporting documentation shall be submitted simultaneously to the District and the Engineer of Construction. The Engineer of Construction, in consultation with the District, will consider all information submitted with the claim and render a decision on the claim within 90 days after receipt by the Engineer of Construction. Claims not conforming to this Article will be returned without consideration. The Engineer of Construction may schedule a claim presentation meeting if in the Engineer of Construction's judgment such a meeting would aid in resolution of the claim, otherwise a decision will be made based on the claim documentation submitted. If a Level I decision is not rendered within 90 days of receipt of the claim, or if the Contractor disputes the decision, an appeal to Level II may be made by the Contractor.

(2) Level II. An appeal to Level II shall be made in writing to the Engineer of Construction within 45 days after the date of the Level I decision. Review of the claim at Level II shall be conducted as a full evaluation of the claim. A claim presentation meeting may be scheduled if the Chief Engineer/Director of Highways determines that such a meeting would aid in resolution of the claim, otherwise a decision will be made based on the claim documentation submitted. A Level II final decision will be rendered within 90 days of receipt of the written request for appeal.

Full compliance by the Contractor with the provisions specified in this Article is a contractual condition precedent to the Contractor's right to seek relief in the Court of Claims. The Director's written decision shall be the final administrative action of the Department. Unless the Contractor files a claim for adjudication by the Court of Claims within 60 days after the date of the written decision, the failure to file shall constitute a release and waiver of the claim."

**PRECAST CONCRETE HANDHOLE (BDE)**

Effective: August 1, 2014

Revise the third paragraph of Article 814.03 of the Standard Specifications to read:

"Handholes shall be constructed as shown on the plans and shall be cast-in-place, composite concrete, or precast units. Heavy duty handholes shall be either cast-in-place or precast units."

Add the following to Article 814.03 of the Standard Specifications:

"(c) Precast Concrete. Precast concrete handholes shall be fabricated according to Article 1042.17. Where a handhole is contiguous to a sidewalk, preformed joint filler of 1/2 inch (13 mm) thickness shall be placed between the handhole and the sidewalk."

Add the following to Section1042 of the Standard Specifications:

"**1042.17 Precast Concrete Handholes.** Precast concrete handholes shall be according to Articles 1042.03(a)(c)(d)(e)."

80343

**HOT MIX ASPHALT – PRIME COAT (BDE)**

Effective: November 1, 2014

Revise Note 1 of Article 406.02 of the Standard Specifications to read:

"Note 1. The bituminous material used for prime coat shall be one of the types listed in the following table.

When emulsified asphalts are used, any dilution with water shall be performed by the emulsion producer. The emulsified asphalt shall be thoroughly agitated within 24 hours of application and show no separation of water and emulsion.

| Application | Bituminous Material Types |
|---|---|
| Prime Coat on Brick, Concrete, or HMA Bases | SS-1, SS-1h, SS-1hP, SS-1vh, RS-1, RS-2, CSS-1, CSS-1h, CSS-1hp, CRS-1, CRS-2, HFE-90, RC-70 |
| Prime Coat on Aggregate Bases | MC-30, PEP" |

Add the following to Article 406.03 of the Standard Specifications.

"(i) Vacuum Sweeper .....1101.19
(j) Spray Paver .....1102.06"

Revise Article 406.05(b) of the Standard Specifications to read:

"(b) Prime Coat. The bituminous material shall be prepared according to Article 403.05 and applied according to Article 403.10. The use of RC-70 shall be limited to air temperatures less than 60 °F (15 °C).

(1) Brick, Concrete or HMA Bases. The base shall be cleaned of all dust, debris and any substance that will prevent the prime coat from adhering to the base. Cleaning shall be accomplished by sweeping to remove all large particles and air blasting to remove dust. As an alternative to air blasting, a vacuum sweeper may be used to accomplish the dust removal. The base shall be free of standing water at the time of application. The prime coat shall be applied uniformly and at a rate that will provide a residual asphalt rate on the prepared surface as specified in the following table.

| Type of Surface to be Primed | Residual Asphalt Rate lb/sq ft (kg/sq m) |
|---|---|
| Milled HMA, Aged Non-Milled HMA, Milled Concrete, Non-Milled Concrete & Tined Concrete | 0.05 (0.244) |
| Fog Coat between HMA Lifts, IL-4.75 & Brick | 0.025 (0.122) |

The bituminous material for the prime coat shall be placed one lane at a time. If a spray paver is not used, the primed lane shall remain closed until the prime coat is

fully cured and does not pickup under traffic. When placing prime coat through an intersection where it is not possible to keep the lane closed, the prime coat may be covered immediately following its application with fine aggregate mechanically spread at a uniform rate of 2 to 4 lb/sq yd (1 to 2 kg/sq m).

(2) Aggregate Bases. The prime coat shall be applied uniformly and at a rate that will provide a residual asphalt rate on the prepared surface of 0.25 lb/sq ft ± 0.01 (1.21 kg/sq m ±0.05).

The prime coat shall be permitted to cure until the penetration has been approved by the Engineer, but at no time shall the curing period be less than 24 hours for MC-30 or four hours for PEP. Pools of prime occurring in the depressions shall be broomed or squeegeed over the surrounding surface the same day the prime coat is applied.

The base shall be primed 1/2 width at a time. The prime coat on the second half/width shall not be applied until the prime coat on the first half/width has cured so that it will not pickup under traffic.

The residual asphalt rate will be verified a minimum of once per type of surface to be primed as specified herein for which at least 2000 tons (1800 metric tons) of HMA will be placed. The test will be according to the "Determination of Residual Asphalt in Prime and Tack Coat Materials" test procedure.

Prime coat shall be fully cured prior to placement of HMA to prevent pickup by haul trucks or paving equipment. If pickup occurs, paving shall cease in order to provide additional cure time, and all areas where the pickup occurred shall be repaired.

If after five days, loss of prime coat is evident prior to covering with HMA, additional prime coat shall be placed as determined by the Engineer at no additional cost to the Department."

Revise the last sentence of the first paragraph of Article 406.13(b) of the Standard Specifications to read:

"Water added to emulsified asphalt, as allowed in Article 406.02, will not be included in the quantities measured for payment."

Revise the second paragraph of Article 406.13(b) of the Standard Specifications to read:

"Aggregate for covering prime coat will not be measured for payment."

Revise the first paragraph of Article 406.14 of the Standard Specifications to read:

"**406.14 Basis of Payment.** Prime Coat will be paid for at the contract unit price per pound (kilogram) of residual asphalt applied for BITUMINOUS MATERIALS (PRIME COAT), or POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)."

Revise Article 407.02 of the Standard Specifications to read:

"**407.02 Materials.** Materials shall be according to Article 406.02, except as follows.

| Item | Article/Section |
|---|---|
| (a) Packaged Rapid Hardening Mortar or Concrete | 1018" |

Revise Article 407.06(b) of the Standard Specifications to read:

"(b) A bituminous prime coat shall be applied between each lift of HMA according to Article 406.05(b)."

Delete the second paragraph of Article 407.12 of the Standard Specifications.

Revise the first paragraph of Article 408.04 of the Standard Specifications to read:

"**408.04 Method of Measurement.** Bituminous priming material will be measured for payment according to Article 406.13."

Revise the first paragraph of Article 408.05 of the Standard Specifications to read:

"**408.05 Basis of Payment.** This work will be paid for at the contract unit price per pound (kilogram) of residual asphalt applied for BITUMINOUS MATERIALS (PRIME COAT) or POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT) and at the contract unit price per ton (metric ton) for INCIDENTAL HOT-MIX ASPHALT SURFACING."

Revise Article 1032.02 of the Standard Specifications to read:

"**1032.02 Measurement.** Asphalt binders, emulsified asphalts, rapid curing liquid asphalt, medium curing liquid asphalts, slow curing liquid asphalts, asphalt fillers, and road oils will be measured by weight.

A weight ticket for each truck load shall be furnished to the inspector. The truck shall be weighed at a location approved by the Engineer. The ticket shall show the weight of the empty truck (the truck being weighed each time before it is loaded), the weight of the loaded truck, and the net weight of the bituminous material.

When an emulsion or cutback is used for prime coat, the percentage of asphalt residue of the actual certified product shall be shown on the producer's bill of lading or attached certificate of analysis. If the producer adds extra water to an emulsion at the request of the purchaser, the amount of water shall also be shown on the bill of lading.

Payment will not be made for bituminous materials in excess of 105 percent of the amount specified by the Engineer."

Add the following to the table in Article 1032.04 of the Standard Specifications.

| | | |
|---|---|---|
| “SS-1vh | 160-180 | 70-80 |
| RS-1, CRS-1 | 75-130 | 25-55” |

Add the following to Article 1032.06 of the Standard Specifications.

“(g) Non Tracking Emulsified Asphalt SS-1vh shall be according to the following.

| Requirements for SS-1vh | | | |
|---|---|---|---|
| Test | | SPEC | AASHTO Test Method |
| Saybolt Viscosity @ 25C, | SFS | 20-200 | T 72 |
| Storage Stability, 24hr., | % | 1 max. | T 59 |
| Residue by Evaporation, | % | 50 min. | T 59 |
| Sieve Test, | % | 0.3 max. | T 59 |
| Tests on Residue from Evaporation | | | |
| Penetration @25°C, 100g., 5 sec., dmm | | 20 max. | T 49 |
| Softening Point, | °C | 65 min. | T 53 |
| Solubility, | % | 97.5 min. | T 44 |
| Orig. DSR @ 82°C, | kPa | 1.00 min. | T 315” |

Revise the last table in Article 1032.06(f)(2)d. of the Standard Specifications to read:

| “Grade | Use |
|---|---|
| SS-1, SS-1h, RS-1, RS-2, CSS-1, CRS-1, CRS-2, CSS-1h, HFE-90, SS-1hP, CSS-1hP, SS-1vh | Prime or fog seal |
| PEP | Bituminous surface treatment prime |
| RS-2, HFE-90, HFE-150, HFE- 300, CRSP, HFP, CRS-2, HFRS-2 | Bituminous surface treatment |
| CSS-1h Latex Modified | Microsurfacing” |

Add the following to Article 1101 of the Standard Specifications.

“**1101.19 Vacuum Sweeper.** The vacuum sweeper shall have a minimum sweeping path of 52 in. (1.3 m) and a minimum blower rating of 20,000 cu ft per minute (566 cu m per minute).”

Add the following to Article 1102 of the Standard Specifications:

“**1102.06 Spray Paver.** The spreading and finishing machine shall be capable of spraying a rapid setting emulsion tack coat, paving a layer of HMA, and providing a smooth HMA mat in one pass. The HMA shall be spread over the tack coat in less than five seconds after the

application of the tack coat during normal paving speeds. No wheel or other part of the paving machine shall come into contact with the tack coat before the HMA is applied. In addition to meeting the requirements of Article 1102.03, the spray paver shall also meet the requirements of Article 1102.05 for the tank, heating system, pump, thermometer, tachometer or synchronizer, and calibration. The spray bar shall be equipped with properly sized and spaced nozzles to apply a uniform application of tack coat at the specified rate for the full width of the mat being placed."

80348

**SIDEWALK, CORNER, OR CROSSWALK CLOSURE (BDE)**

Effective: January 1, 2015

Revise the first sentence of Article 1106.02(m) of the Supplemental Specifications to read:

> "The top and bottom panels shall have alternating white and orange stripes sloping 45 degrees on both sides."

80354

# PRELIMINARY SITE INVESTIGATION REPORT

## FAU 2651 N. ARDMORE AVENUE STREETSCAPE PROJECT

## N. ARDMORE AVENUE

*From South of Schiller Street to North of CCP Railroad*

## AND

## N. ARDMORE AVENUE

*From South of E. Vermont Street to*

*North of E. Terrace Street*

## VILLA PARK, DUPAGE COUNTY, ILLINOIS

**PREPARED FOR:**

**VILLAGE OF VILLA PARK**
20 SOUTH ARDMORE AVENUE
VILLA PARK, ILLINOIS 60181-2696

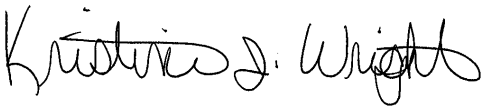
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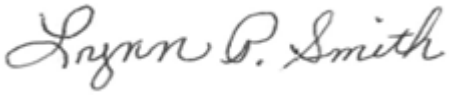
**DECEMBER 2014**

This *Preliminary Site Investigation* (PSI) report has been prepared by V3 Companies (V3), on behalf of the Village of Villa Park, for the purpose of evaluating environmental conditions related to *Recognized Environmental Conditions* (RECs) identified adjacent to the construction activities planned along N. Ardmore Avenue from south of Schiller Street to north of CCP Railroad and along N. Ardmore Avenue from south of E. Vermont St. to north of E. Terrace St. in Villa Park, DuPage County, Illinois (FAU 2651).

Prepared by:

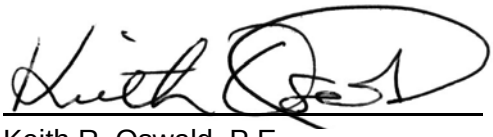


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# 1.0 INTRODUCTION

This *Preliminary Site Investigation* (PSI) report was prepared for the Village of Villa Park, for the purpose of evaluating environmental conditions related to *Recognized Environmental Conditions* (RECs) identified adjacent to the construction activities planned along N. Ardmore Avenue from south of Schiller Street to north of CCP Railroad and along N. Ardmore Avenue from south of E. Vermont St. to north of E. Terrace St. in Villa Park, DuPage County, Illinois (FAU 2651) (**Figure 1.1**). The investigation evaluated eleven sites (RECs) identified by the Project's *Preliminary Environmental Site Assessment* (PESA) dated February 2013—those RECs that were determined to be adjacent to planned construction activities. A copy of the PESA is provided within **Appendix A**. Field investigation activities were conducted by V3 in November 2014. The objectives of the investigation, as generally defined within the scope of work dated October 22, 2014, included the following:

- Compile and tabulate soil analysis results, and compare identified contaminant concentrations to Illinois' TACO Tier 1 remediation objectives (ROs) and applicable CCDD Maximum Allowable Concentrations (MACs).
- Develop an approach, including approximate volume and associated cost estimates, for the proper handling and/or disposal of contaminated soil and/or groundwater that may be encountered during construction activities within existing Project ROWs.
- Assess the potential for further or continued contamination of the existing ROW caused by the migration of contaminants from adjacent properties to within the Project area, and present recommendations for the mitigation of contaminant migration when the potential for migration is determined to be high.
- Assess the potential for the release of contaminants resulting from the proposed construction activities within the project area, and present recommendations for the mitigation of these risks when the potential is determined to be high.
- Generate the data necessary to evaluate the potential for contaminants exposure to on-site construction workers.

The documentation and findings of the investigation are organized within the PSI report as follows:

Section 2 – Project Background. Appropriate background information for the Project Site, construction activities and related environmental concerns.

Section 3 – Field Investigation Procedures. Sampling objectives, general field activities, standard operating procedures, methods, and methodologies (field and laboratory) of the PSI.

Section 4 – Field Investigation Results. Field investigation results including observations, field measurements, sampling rationale, analytical results, comparisons of the analytical results with regulatory standards, the nature and extent of detected contaminants above TACO Tier 1 ROs and applicable MACs, and volume and cost estimates for the disposal of impacted soils anticipated during construction.

Section 5 – Conclusions and Recommendations. Summary investigation findings, additional investigation and contaminant migration reduction recommendations, and construction worker exposure evaluations and recommendations.

Section 6 – References. Primary references cited in this report.

# 2.0 SITE BACKGROUND

The proposed construction includes electrical conduit installations and light poles along N. Ardmore Avenue — the linear excavation that is the subject of this PSI. Excavations extend to an average depth of approximately 2 feet below ground surface (bgs), with a maximum depth of approximately 4-6 feet bgs. The Project does not include the acquisition of any new ROW in the areas of concern for this PSI.

V3 conducted two PESAs of the Project Site and identified 11 sites along the Project route that represented RECs, as summarized below:

- 726 N. Ardmore Avenue: Villa Auto Haus – former UST site; long term historical industrial use in close proximity to the Project Site.
- 724 N. Ardmore Avenue: Car Care Collision Center – RCRA generator; long term historical industrial use in close proximity to the Project Site.
- 714 N. Ardmore Avenue: Former Rite Way Contactors Equipment & Ardmore Auto Sales (currently vacant) – UST/LUST site; long term historical industrial use in close proximity to the Project Site.
- 712 N. Ardmore Avenue: Allied Garage Door – Long term historical industrial use in close proximity to the Project Site.
- 708 N. Ardmore Ave: Former Bartels Company (currently vacant) – UST/LUST site; RCRA generator; SPILLS site; long term historical industrial use in close proximity to the Project Site.
- 649 N. Ardmore Ave: Major Prime Plastics – UST/LUST site; RCRA generator; SRP site; long term historical industrial use in close proximity to the Project Site.
- 12 E. Hill St: Villa Farms – Long term historical industrial use in close proximity to the Project Site.
- NEC Schiller St. & Ardmore Ave. (no address): construction yard – Long term historical industrial use in close proximity to the Project Site.
- 414/416 N. Ardmore Ave: Laundromat; former Millie's Cleaners (assumed former dry cleaner operation).
- 415 N. Ardmore Ave – Multi-tenant commercial building; former Standard Oil Service Station; SRP site with groundwater use restriction, asphalt/building foundation barrier & worker caution.
- 351 N. Ardmore Ave – Currently vacant; former Tyler's Citgo & Auto Repair & Towing; UST/LUST site.

Based on a review of the PESAs' identified sites, and the proposed construction plans, V3 recommended further investigation at all eleven identified sites. The PESA identified sites investigated under this PSI scope of work are listed in **Table 2.1**, along with the soil borings that were advanced adjacent to each respective site (REC). The overall site investigation area, along with boring locations is illustrated in **Figure 2.1**.

# 3.0 FIELD INVESTIGATION PROCEDURES

The field investigation was performed in general accordance with a proposed scope of work dated October 22, 2014. The discussions below provide the basic procedures of the sampling plan while overall Site Investigation findings and analytical results are discussed in greater detail in **Section 4.0**. The overall site investigation area and the distribution of sample locations are illustrated on **Figure 2.1**. Refer to **Figures 3.1** and **3.2** for the specific boring locations related to each investigated REC.

## 3.1 SAMPLING OBJECTIVES

The Preliminary Site Investigation work plan was developed to obtain the data necessary to accomplish the following primary objectives:

- Provide a characterization of physical and chemical conditions in soils at the Site in the vicinity of planned construction activities; and
- Identify areas of environmental impact that may intersect construction activities along the electrical conduit installations and light poles, to develop soil management and solid waste disposal requirements, construction worker exposure recommendations and recommended contaminant migration mitigation measures.

## 3.2 INVESTIGATION MONITORING AND EQUIPMENT DECONTAMINATION

A photoionization detector (PID) was used to monitor worker air quality at all sampling locations and screen soils for possible contaminants using the headspace technique. The PID was equipped with a 10.6 electron volt lamp and calibrated daily to a 100 parts per million (ppm) isobutylene to air standard. The headspace technique involves placing a representative portion of each sample in a Ziploc® quart-sized bag, agitating the sample, and sealing the bag. After sealing the bag, the sample is allowed to warm for ten minutes. The probe of the PID is then inserted through the bag and the maximum reading over a 15-second period is recorded in the field book.

All equipment that directly or indirectly came into contact with sample media was decontaminated prior to use and between each sample location. This included the macro core sampler and sampling shovels. Decontamination of sampling equipment was performed using a potable water and Alconox ® solution wash, followed by a potable water rinse, and a distilled water rinse.

## 3.3 SOIL SAMPLING PROCEDURES

V3 measured out the locations of proposed borings prior to the field investigation. The proposed borings were marked, and underground utilities were identified in those areas. Boring locations were modified, if necessary, to avoid underground utilities.

Soil boring locations are identified with a character designation followed by the depth of the sample. The first few characters of each designation represent the project (VP-Ard-Ave = Villa Park N. Ardmore Avenue Streetscape Project). The following two-characters indicate how the sample was collected (geoprobe = GP), and are followed by a two-character boring number and

depth of the sample (e.g., **VP-Ard-Ave-GP-01 (3-4)** signifies Villa Park N. Ardmore Avenue Streetscape Project, Geoprobe boring 01, sample collected from 3-4 feet).

Soil borings were advanced by Direct Push Analytical Corp. under the supervision of V3's site engineer/geologist, using Geoprobe® direct push soil sampling methods. Prior to drilling, JULIE performed on-site location of utilities. Each boring was sampled continuously using a decontaminated 2-inch-diameter, 48-inch-long macro-core sampler. Each soil sample was collected for headspace screening to determine the presence of volatile organic vapors, physical description, and possible laboratory chemical analysis. Results of the headspace screening and visual descriptions were recorded in the field notebook. Based upon the results of the headspace screening and visual observation, soil samples from each boring were retained for laboratory analysis relative to the RECs chemicals of concern.

New disposable sampling gloves were donned prior to each sample collected from the soil borings and during handling of sampling equipment. For each recovered soil sample, samples for possible VOCs analysis were collected directly from the recovered sample, in accordance with USEPA SW-846 Method 5035/8260. All samples collected for VOCs were obtained directly from the recovered sampler at the specified sample interval using a disposable plastic 5-gram syringe barrel. The barrel was driven into the soil surface to remove the soil without exposure to air. A 5-gram soil sample was then extruded into one 40-ml vial preserved with methanol ($CH_3OH$). This process was repeated until two 40-ml vials preserved with sodium bisulfate were also filled with 5-grams of soil each. The samples were immediately capped, labeled, and placed on ice. For all additional analysis, including PAHs, pH, and inorganics (metals), the remaining portion of the recovered sample from the specified sample interval was placed into appropriate laboratory specified jars, labeled with the sample name, sample location, sample depth (if appropriate), date, time, preservative (if appropriate), and name of sampler. All samples were then immediately placed in a cooler filled with ice.

A V3 engineer/geologist logged the subsurface conditions encountered using the Unified Soil Classification System (USCS) (ASTM Method D2488). Additional information that was documented includes:

- Boring identification,
- Location in relation to an easily identifiable landmark,
- Name of drilling contractor,
- Drilling method,
- Depth at which saturated conditions are first encountered,
- Headspace screening results,
- Sample identification and depths,
- Soil weathering,
- Zones of caving or heaving, and/or
- Refusal.

Soil boring logs are provided in **Appendix B**.

## 3.4 GROUNDWATER SAMPLING PROCEDURES

V3 encountered perched water or groundwater in two of the 11 soil borings during the site investigation. However, no wells were installed and no groundwater samples were collected.

## 3.5 LABORATORY METHODOLOGIES

Laboratory services were performed by STAT Analysis Corporation of Chicago, Illinois (STAT, accredited by the Illinois Environmental Laboratory Accreditation Program (IL ELAP). Soil samples were analyzed for one or more of the following: VOCs, PAHs, PCBs, total RCRA metals, pH, *Synthetic Precipitation Leaching Procedure* (SPLP) for chromium and *Toxicity Characteristic Leaching Procedure* (TCLP) for RCRA metals. All soil samples were hand delivered or picked up by STAT. Analytical methods used are listed below:

| Parameter | SW Method Number |
|---|---|
| VOCs | 5035/8260B |
| SVOCs / PAHs | 8270C |
| PCBs | 8082 |
| pH | 9045C |
| Total Metals | 6020 |
| Mercury | 7471A |
| SPLP Chromium | 1312/6020 |
| TCLP Metals | 1311/6020 |
| TCLP Mercury | 1311/7470A |

Standard chain-of-custody (COC) procedures were followed to ensure adequate documentation accompanied all samples submitted to the laboratory. Upon arrival at the laboratory, the sample cooler was accepted by the Laboratory Sample Custodian who signed and dated the COC record. Complete analytical data reports and copies of the COC forms are provided in **Appendix D**.

Summary results of analyses are presented in **Section 4.0**. Data comparison to the appropriate remediation objectives are detailed in **Tables 4.2 to 4.5**.

# 4.0 FIELD INVESTIGATION RESULTS

Field activities for V3's site investigation findings are discussed in the following report sections. V3 conducted a subsurface investigation at the site on November 4, 2014. The investigative activities consisted of the collection of soil samples from 11 locations using Geoprobe® soil sampling methods, following ASTM methods. Details related to these sampling efforts are provided in the following section. A summary of sample locations and the respective sample analyses is provided on **Table 2.1**, with boring locations shown on **Figure 2.1** and **Figures 3.1** and **3.2**. Site photographs taken during the investigation are contained as Photo Logs in **Appendix C**.

The findings section also includes a discussion of project area geology and topography, significant field observations, sampling rationale, and laboratory analytical results relative to Illinois' TACO *Tier 1 Remediation Objectives* and Illinois' CCDD *Maximum Allowable Concentrations* (MACs).

Compounds and analytes detected in soil in the project area are considered contaminants of concern (COCs). The detected COC concentrations are compared to the lowest applicable Tier 1 Remediation Objectives (ROs) for soil found in Appendix B of TACO (*35 IAC Part 742, Appendix B*). When COCs in soil exceed one or more TACO Tier 1 ROs and/or MACs, the analytical results are also compared to Resource Conservation and Recovery Act (RCRA) disposal criteria to determine the proper disposal classification for soil that is removed from the Site. Soil containing COCs at concentrations below Tier 1 ROs can be managed during construction without restrictions.

V3's field investigation was designed to provide an initial characterization of site conditions at pre-designated boring locations. The investigation analytical parameters, and the number of samples collected, were limited based on the known history of the adjacent sites of concern (RECs). Consequently, the findings and conclusions of this investigation are subject to revision if more site data becomes available.

## 4.1 FIELD INVESTIGATION FINDINGS

### 4.1.1 PROJECT AREA GEOLOGY

Site borings were completed by V3 in November 2014 and provide geologic interpretation to approximately 5.5-8 feet below ground surface (bgs). A total of 11 soil borings were conducted. The compilation of these boring logs provides a descriptive understanding of the Site's geology (see logs provided in **Appendix B**). Two basic units were observed within the 5.5-8 feet bgs boring depths:

- Fill / Reworked Soil: Topsoil and reworked native soil consisting of gravel and/or clays to a depth of approximately 0.5 – 3.0 feet bgs.
- Native Silt and Clay: Beneath the fill and reworked soil was a native brown clay or light brown clayey silt followed by a light brown silty clay with gray mottles to the 5.5-8 feet bgs terminated depth of the borings.

Perched water or groundwater was encountered in two of the 11 borings, ranging in depth from 6 to 7 feet below ground surface (bgs). No wells were installed and no groundwater samples were collected from any of the borings.

### 4.1.2 PROJECT AREA TOPOGRAPHY

The project is located within a developed suburban area, and the Site is located in landscaped right-of-way areas along N. Ardmore Avenue. The Site's physical setting is depicted in **Figure 2.1**. The project area topography is characterized by land surface that is gently rolling, with a general slope downward to the east. Surficial drainage in the project area is controlled by storm sewers which generally mimic the local topography. Groundwater flow direction is generally expected to be to the east towards Salt Creek.

### 4.1.3 FIELD OBSERVATIONS AND SAMPLING RATIONALE

V3 advanced all 11 of the soil borings proposed for this project. V3's field observations and sample selection rationale are summarized by REC and by boring in **Table 4.1**. V3 conducted VOC headspace screenings on two samples from each soil core collected throughout the project area. PID readings were found non-detect in all 11 soil borings.

V3 collected one soil sample per boring for laboratory analysis in areas of the planned electrical conduit installations and light poles. In the event that no elevated PID readings, visual or olfactory evidence of impact were observed, the soil samples submitted for analysis were collected from representative intervals within the construction excavation depth. Refer to **Table 4.1** for the sampled interval at each respective boring location.

Perched water or groundwater was encountered in two of the 11 borings, ranging in depth from 6 to 7 feet below ground surface (bgs). No wells were installed and no groundwater samples were collected.

## 4.2 SAMPLE ANALYTICAL RESULTS

### 4.2.1 SOILS

The parameters analyzed for each respective soil sample are summarized in **Table 2.1**. Specific sample locations are identified in **Figures 3.1** and **3.2**. The concentrations of each potential COC in soil, and a comparison of detected concentrations to applicable TACO Tier 1 Construction Worker ROs and Part 1100 MACs are presented (by REC) in **Tables 4.2** to **4.5**. The laboratory analysis reports are provided in **Appendix D**.

**Organic Compounds**

- Volatile Organic Compounds (VOCs). One VOC (benzene) (**Table 4.2**) was detected in six of the laboratory analyzed soil samples:
  - **VP-Ard-Ave-GP-01(3-4)**, **VP-Ard-Ave-GP-04(3-4)**, **VP-Ard-Ave-GP-05(3-4)**, **VP-Ard-Ave-GP-06(3-4)**, **VP-Ard-Ave-GP-09(3-5)** and **VP-Ard-Ave-GP-11(3-5)**

- Of these six samples, none exceeded the lowest TACO Tier 1 construction worker RO and/or the associated Part 1100 MAC.

- Semi-volatile Organic Compounds (SVOCs) / Polycyclic Aromatic Hydrocarbons (PAHs). Several SVOCs / PAHs (**Table 4.3**) were detected in four of the laboratory analyzed soil samples (**VP-Ard-Ave-GP-01(3-4)**, **VP-Ard-Ave-GP-03(3-4)**, **VP-Ard-Ave-GP-06(3-4)** and **VP-Ard-Ave-GP-08(3-4)**); however, none of the detections with the respective samples exceeded the respective TACO Tier 1 construction worker RO and/or associated Part 1100 MAC.

- Polychlorinated Biphenyls (PCBs). PCBs (**Table 4.4**) were not detected within any of the laboratory analyzed soil samples.

**Inorganic Compounds**

- RCRA Metals. Metals (**Table 4.5**) were not detected within any of the laboratory analyzed samples, above respective TACO Tier 1 construction worker ROs / Part 1100 MACs, with the exception of:

  - *Chromium*: Chromium concentrations were detected in all of the samples above the most stringent (pH based, Class I soil to groundwater) TACO Tier 1 RO and Part 1100 MAC.

    However, the pH-based Tier 1 RO and MAC are established as hexavalent chromium ($Cr^{+6}$), rather than the total chromium analyzed. As a result, compliance with the TACO Tier 1 RO and Part 1100 MAC was evaluated using the *Synthetic Precipitation Leachate Procedure* (SPLP) analysis and the *Toxicity Characteristic Leaching Procedure* (TCLP) analysis (**Table 4.5**), as allowed by TACO and Part 1100. Both SPLP chromium and TCLP concentrations were detected below the TACO Class I Soil Component of the Groundwater Ingestion Exposure Route Values, and compliance with the TACO Tier 1 RO and Part 1100 MAC are achieved.

  - Lead: When analyzed by TCLP extraction, a lead concentration was detected in sample **VP-Ard-Ave-GP-03 (3-4)** above the TACO Class I Soil Component of the Groundwater Ingestion Exposure Route Values.

    However, compliance with the TACO Tier 1 RO and Part 1100 MAC was evaluated using the results from the total lead analysis (**Table 4.5**), as allowed by TACO and Part 1100. A total lead concentration was not detected within the sample above the applicable TACO Tier 1 construction worker RO and/or Part 100 MAC, and compliance with the TACO Tier 1 RO and Part 1100 MAC are achieved.

  - Arsenic: Arsenic concentrations were detected above the most stringent TACO Tier 1 RO and Part 1100 MAC in the following samples:
    - **VP-Ard-Ave-GP-02 (3-4)**, **VP-Ard-Ave-GP-03 (3-4)**, **VP-Ard-Ave-GP-07 (3-4)**, **VP-Ard-Ave-GP-09 (3-5)** and **VP-Ard-Ave-GP-10 (3-4)**

### 4.2.2 GROUNDWATER

No groundwater samples were collected.

## 4.3 NATURE AND EXTENT OF DETECTED CONTAMINANTS ABOVE TACO TIER 1 REMEDATION OBJECTIVES AND PART 1100 MACs

### 4.3.1 SOILS

The detected COC concentrations at each site, as obtained through the PSI, were compared to the most stringent construction worker Tier 1 ROs of Title 35 of the Illinois Administrative Code (IAC) Part 742, *Tiered Approach to Corrective Action Objectives* (TACO), effective February 15, 2007, and the *Maximum Allowable Concentration* (MAC) for chemical constituents in uncontaminated soil established pursuant to Subpart F of 35 IAC 1100.605. For PAHs, a detected concentration is assumed to exceed a TACO Tier 1 RO (and Part 1100 MAC) when it exceeds one or more risk-based ROs as well as one of the generic background concentrations presented in TACO. For comparison to the Tier 1 RO for the soil component of the groundwater ingestion route, inorganic analyte concentrations are considered to exceed the RO when a total concentration is above the pH-based Tier 1 RO, except when a TCLP or SPLP analysis is available for the affected sample, with a concentration that is below the applicable soil to groundwater Tier 1 RO for leachate analysis.

Five of the 11 sites contained COCs above TACO Tier 1 construction worker ROs and/or Part 1100 MACs in the soil samples collected (see **Figures 4.2 to 4.4**). The COCs above applicable TACO Tier 1 ROs / Part 1100 MACs included: Arsenic.

Aggregate volumes of potentially impacted soil are estimated without regard for property boundaries or planned excavation activities. The following general assumptions were used to estimate impacted soil volumes when one or more COCs are detected above a TACO Tier 1 RO and/or Part 1100 MAC:

- Affected volumes can be estimated using simple geometric shapes.
- The horizontal extent can be approximated geometrically and is bordered laterally by the existing ROW boundaries and the roadway centerlines (unless otherwise assumed to affect the full ROW width); and either one-half the distance between the affected boring and the next adjacent boring that does not contain the compound or analyte above a TACO Tier 1 RO or Part 1100 MAC; a maximum of 15.2 m (50.0 ft) from the furthest impacted soil boring, where no other data exists; or the centerline of an intersecting crossroad. However, the estimated horizontal extent will not exceed the IDOT construction limits, where identified within the study area.
- For VOCs, the vertical extent of contamination is assumed to include the interval where the TACO exceedance was detected and contiguous intervals with PID headspace readings equal to or greater than 10 parts per million (ppm). The vertical extent of contamination for SVOCs and inorganic analytes is assumed to extend from the ground surface to the depth interval where the TACO exceedance was observed and to the maximum depth of planned construction excavation (unless samples are collected from multiple depth intervals).

Estimates of impacted soil within the Project limits (existing ROW) are presented below; the Project does not include new ROW acquisition. The Project includes linear excavation for electrical conduit installations and light poles. Estimated soil volumes for construction activities within impacted soil are presented below.

**Soil within Project Limits Exceeding Part 1100 MACs**
(Estimated Aggregate Volumes of Potentially Impacted Soil)

| Location | Impacted Boring | Start Station | End Station | Max. Excavation Depth (Feet) | Potentially Impacted ROW Width (Feet) | Potentially Impacted ROW (Linear Feet) | Max. Est. Volume of Impacted Soil (Cu. Yd.) |
|---|---|---|---|---|---|---|---|
| Car Care Collison Center | VP-Ard-Ave-GP-02 | 228+58 LT | 226+78 LT | 6 | 2 | 180 | 80 |
| Vacant Parcel/ (Former Rite Way Contractors Equipment & Ardmore Auto Sales) | VP-Ard-Ave-GP-03 | | | | | | |
| Long Term Historical Industrial Use | VP-Ard-Ave-GP-07 | 224+26 RT | 227+12 RT | 6 | 2 | 286 | 127 |
| Laundromat (Former Dry Cleaners) | VP-Ard-Ave-GP-09 | 203+10 LT | 206+26 LT | 6 | 2 | 316 | 141 |
| Multi-Tenant (Former Standard Oil Service Station) | VP-Ard-Ave-GP-10 | 203+85 RT | 206+26 RT | 6 | 2 | 241 | 107 |
| | | | | | | **TOTAL =** | **455** |

[A Note on the Quantities and the Location of Soils with Arsenic Exceeding Part 1100 MACs: The Part 1100 MAC used for arsenic for defining locations and quantities of soils with concentrations exceeding the MAC is for a MSA county (13 mg/kg), as it is assumed that uncontaminated soil will be hauled to a fill site within an MSA county. The MAC for arsenic for a non-MSA county is 11.3 mg/kg. If uncontaminated soil is hauled to a fill site in a non-MSA county, this would affect the quantities and locations of soil considered contaminated.]

### 4.3.2 GROUNDWATER

No groundwater samples were collected.

## 4.4 ESTIMATED CONSTRUCTION MANAGEMENT COSTS – SOIL MANAGEMENT AND DISPOSAL

Estimated costs for the management of certified non-special waste / special waste are summarized in the table provided below, along with footnotes for any significant assumptions used to develop the estimates.

**Estimated Construction Management Costs [1]**
(Soil Management & Disposal)

| Pay Item | Quantity | Unit | Unit Cost ($) | Cost ($) |
|---|---|---|---|---|
| **Non-Special Waste Disposal[2]** (Pay Item #66900200) | | Cubic Yard | $80 | |
| **N. Ardmore Avenue** | | | | |
| Car Collison Center (STA 228+58 LT to STA 226+78 LT) | 80 | | | $6,400 |
| Vacant Parcel (Former Rite Way Contractors Equipment & Ardmore Auto Sales) (STA 224+26 RT to 2277+38) | | | | |
| Long Term Historical Industrial Use (STA 224+26 RT to 227+12 RT) | 127 | | | $10,160 |
| Laundromat (Former Dry Cleaners) (STA 203+10 LT to STA 206+26 LT) | 141 | | | $11,280 |
| Multi-Tenant (Former Standard Oil Service Station) (STA 203+85 RT to 206 +26 RT) | 107 | | | $8,560 |
| **Special Waste Plans & Reports[3]** (Pay Item #66900450) | 1 | L.Sum | $7,000 | $10,000 |
| **Soil Disposal Analysis[4]** (Pay Item #66900530) | 2 | Each | $900 | $1,800 |
| | | | **Total Estimated Cost** | **$48,200** |

1 Based on the limited number of borings, and the presence of RECs, project quantities were increased to account for an anticipated increase in the quantity of non-special waste.
Transportation and disposal costs for non-special soil are based on generic 100 mile distance to permitted disposal facility. Assumed truck capacity is 13 cubic yards.

2 Special Waste Plans & Reports assume the following documents required: 1) Site Health and Safety Plan; 2) Site Contamination Operation Plan; 3) Erosion Control Plan; and 4) a Final Environmental Construction Report, which are required for certified non-special waste, as well as special waste. The total cost for documents assumes the activities will occur during one mobilization. This line item also includes labor, expenses, and equipment field oversight for a time period of 3 days at $1,000 per day ($3,000 total); and is based on an excavation and loading rate of soil at approximately 150 cubic yards per day.

3 Soil sampling and analysis is property specific and based on identified contaminants of concern. Arsenic was identified as contaminants of concern for various RECs adjacent to this Project Site. Soil sample disposal parameters could include a combination of the following (TCLP [VOCs, SVOCs, pesticides, herbicides, metals], reactive sulfide and cyanide, PCBs, pH, flashpoint, and paint filter). The estimated analytical costs include sample collection, handling, and transportation or shipping to the laboratory.

# 5.0 CONCLUSIONS AND RECOMMENDATIONS

## 5.1 CONCLUSIONS

During November 4, 2014, V3 Companies performed a subsurface investigation to evaluate *Recognized Environmental Conditions* (RECs) identified adjacent to the proposed linear excavation construction activities. Based on the findings of V3's investigation, the following conclusions are made:

- The investigation identified the presence of one COC (arsenic) in excess of TACO Tier 1 ROs and/or applicable Part 1100 MACs at 5 sites within planned construction areas.
- No evidence of petroleum-related, or other, COCs was observed during the field investigation, or detected by laboratory sample analysis.
- Perched water / groundwater was encountered in two of the 11 borings, ranging in depth from 6 to 7 feet below ground surface (bgs).
- Impacted soil identified within the Project area should be managed as non-special waste if removed from the site for disposal.

V3 has included an estimated volume of impacted soil and the associated cost estimates for the removal and disposal of impacted soil within proposed construction areas in **Sections 4.3** and **4.4** of this report.

## 5.2 RECOMMENDATIONS

### 5.2.1 ADDITIONAL INVESTIGATIONS

V3 does not recommend additional investigation at any of the sites examined within the project area. Soil at each site has been characterized with regard to the planned construction activities. Additional sampling may be required if construction excavation activities extend beyond the previously investigated area and/or if soil or groundwater is encountered that exhibits elevated PID or FID readings, odors or discoloration indicative of contamination.

### 5.2.2 PREVENTION OF ACCELERATED CONTAMINANT MIGRATION

COCs detected in soil above TACO Tier 1 ROs, and/or the associated Part 1100 MACs, include arsenic at five sites throughout the Project limits. Soil containment and stormwater runoff control measures are recommended to mitigate the migration of contaminants from any stockpiled soils at the sites. If soil containing COCs identified at these sites must be stockpiled, the soil should be stored in lined and covered roll-off boxes, or segregated from other soils on storage pads and covered with plastic to prevent migration of contaminants to un-impacted areas.

There is the potential that groundwater may be encountered during construction activities**.** If groundwater is encountered within excavations, the water should be collected and transported directly for disposal (e.g., via vacuum truck) or placed in leak-proof containers (e.g., 55-gallon drums) and stored in a secure area until proper disposal as special waste can be arranged. Disposal of groundwater is considered special waste.

### 5.2.3 COMPARISON OF DETECTED SOIL CONCENTRATIONS WITH TACO TIER 1 CONSTRUCTION WORKER INGESTION AND INHALATION VALUES

The parameters analyzed for each respective soil sample are summarized in **Table 2.1**. Sample locations are identified in **Figure 2.1 and Figures 3.1** and **3.2**. The concentrations of each potential COC in soil, and a comparison of detected concentrations to applicable TACO Tier 1 construction worker ROs, are presented (by REC) in **Tables 4.2** to **4.5**.

**Organic Compounds**

- Volatile Organic Compounds (VOCs). VOCs (**Table 4.2**) were not detected in any samples above TACO Tier 1 ROs for construction worker exposure.
- Semi-volatile Organic Compounds (SVOCs) / Polynuclear Aromatic Hydrocarbons (PNAs) (**Table 4.3**) were not detected in any samples above TACO Tier 1 ROs for construction worker exposure.
- Polychlorinated Biphenyls (PCBs). PCBs (**Table 4.4**) were not detected in any samples above TACO Tier 1 ROs for construction worker exposure.

**Inorganic Compounds**

- RCRA Metals. Metals (**Table 4.5**) were not detected in any samples above TACO Tier 1 ROs for construction worker exposure.

V3 recommends that personnel performing construction activities in areas of impacted soil wear chemical protective clothing such as Tyvek coveralls, gloves, and booties to prevent contamination of clothing and incidental ingestion of COCs adhered to hands via hand-to-mouth contact.

While evidence of petroleum-related COCs was not identified during the field investigation or by laboratory analysis; air monitoring with a PID or flame ionization detector (FID) is recommended during excavation activities where there is a potential to encounter petroleum-related COCs. OSHA permissible exposure limits (PELs) for gasoline-related compounds are based on the individual components (i.e., PELs for benzene and xylene).

It should be noted that construction worker health and safety is the responsibility of the construction contractor. OSHA regulations should be followed during all construction activities. The construction workers involved in excavation activities within potentially impacted soil should have successfully completed and maintained a 40-hour Health and Safety Training course meeting the requirement of 29 CFR 1910.120. Appropriate personal protective clothing can be determined with guidance found on the NIOSH Home Page under “Recommendations for Chemical Protective Clothing”, at http://cdc.gov/niosh/npptl/topics/protclothing/. All applicable Occupation Safety and Health Administration regulations should be adhered to during construction activities.

## 6.0 REFERENCES

The following references were reviewed as additional sources characterizing conditions at the Project Site.

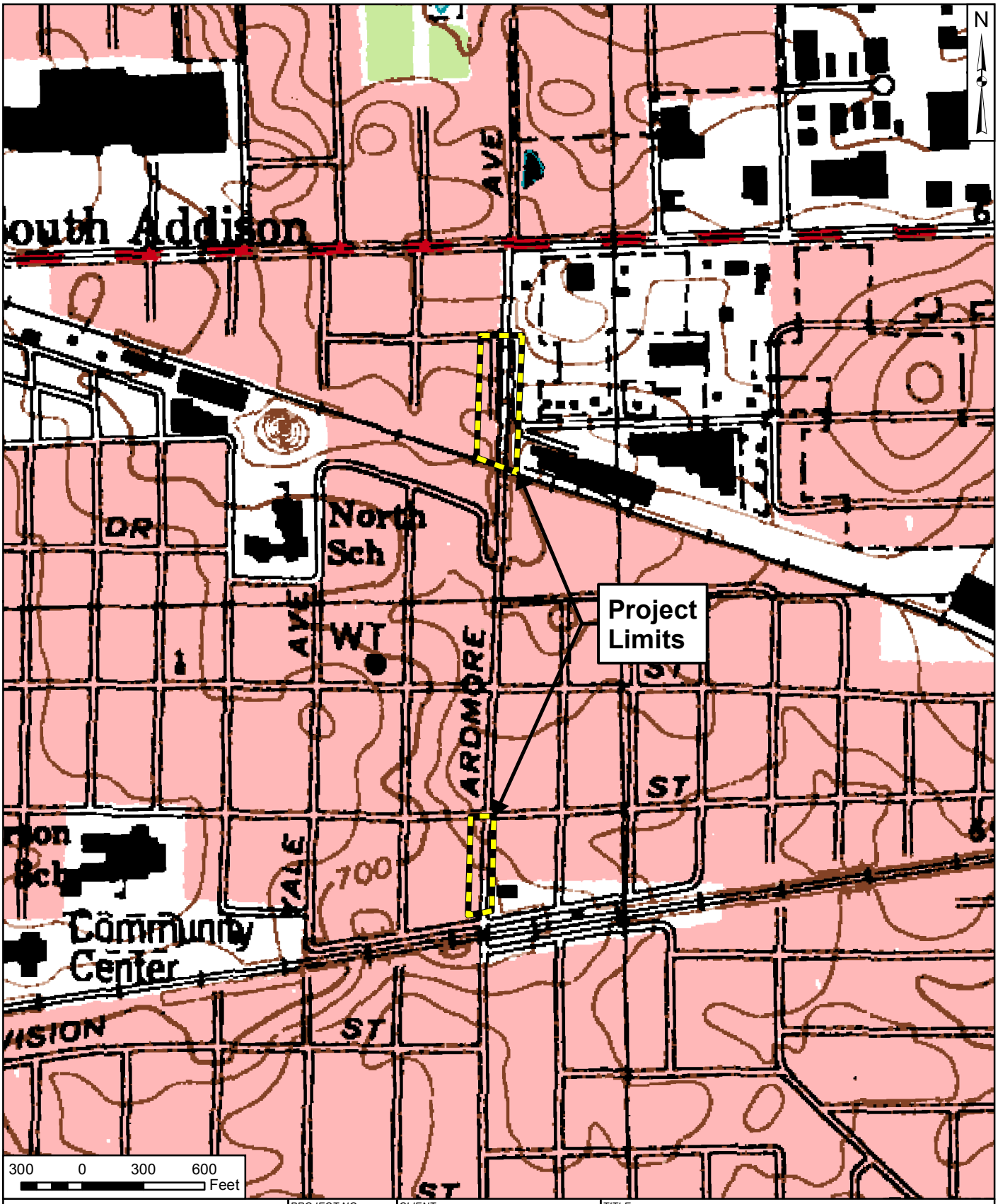
Site Characterization Sources:

- *Preliminary Environmental Assessment, Ardmore Streetscape Project, North Ardmore Avenue, Villa Park, DuPage County, IL, 60561*. Prepared for the Village of Villa Park. Prepared by V3 Companies, Inc., February 2013.
- *Preliminary Environmental Assessment, Ardmore Streetscape Project, North Ardmore Avenue between E. Vermont Street and East Sunset Drive, Villa Park, DuPage County, IL, 60561*. Prepared for the Village of Villa Park. Prepared by V3 Companies, Inc., June 2014.

Physical Setting Sources:

- USGS Topographic Map, Elmhurst, IL Quadrangle, 1997
- Digital Globe Aerial Imagery (2012)

# FIGURES

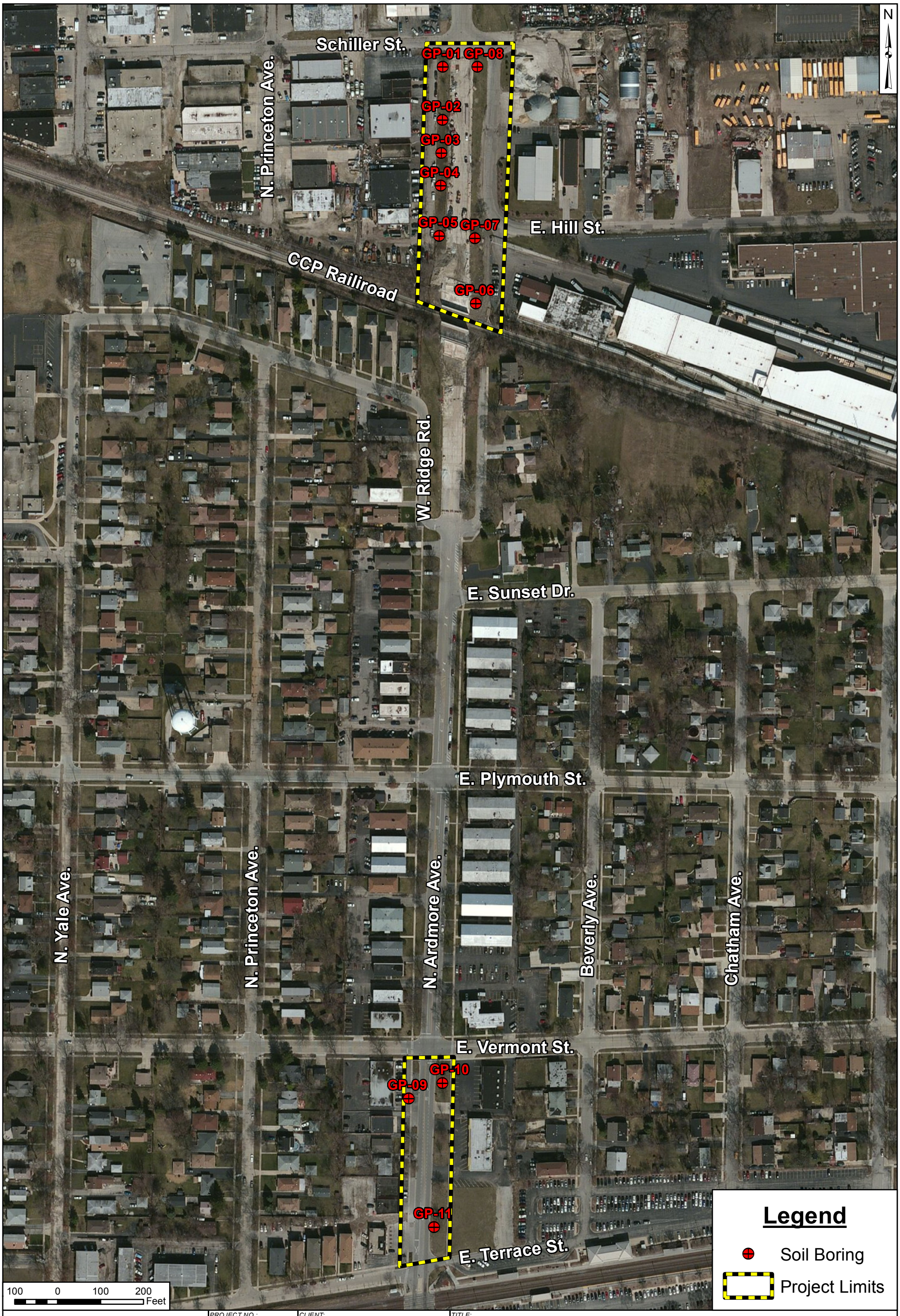



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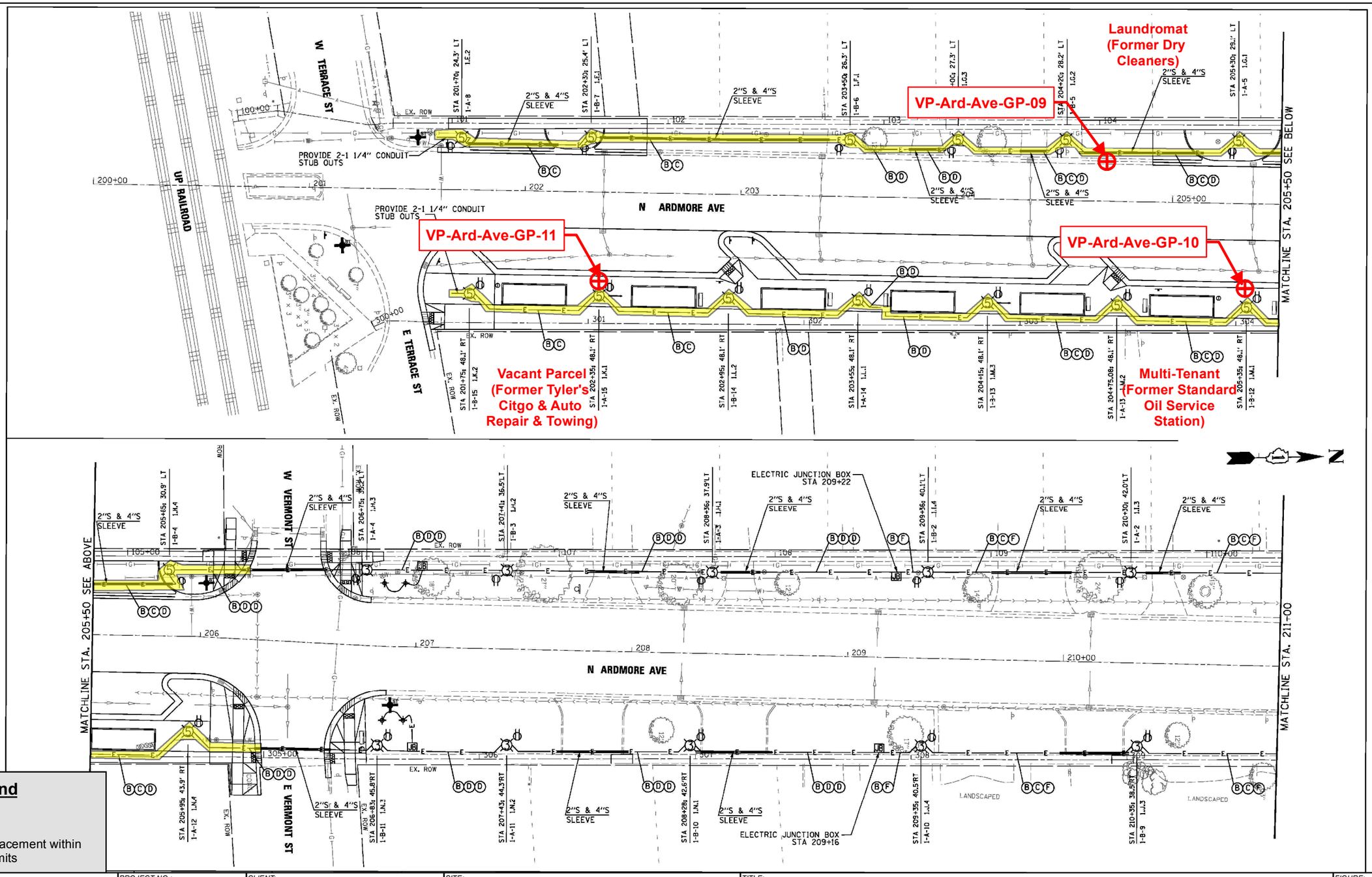
| | |
|---|---|
| PROJECT NO.: | 13193 |
| CREATED BY: | KJW |
| DATE: | 12/14/14 |
| SCALE: | See Scale Bar |
| CLIENT: | Village of Villa Park<br>20 South Ardmore Avenue<br>Villa Park, IL 60181-2696 |
| BASE LAYER: | USGS Topographic Map<br>Elmhurst Quadrangle<br>(1997) |
| TITLE: | **SITE LOCATION MAP** |
| SITE: | N. Ardmore Avenue<br>Streetscape Project<br>Villa Park, Illinois |
| FIGURE: | 1.1 |

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| | | | |
|---|---|---|---|
| V3 Companies, Ltd.<br>7325 Janes Avenue<br>Woodridge, Illinois 60517<br>630.724.9200 phone<br>630.724.92020 fax<br>www.v3co.com | PROJECT NO.: 13193<br>CREATED BY: KJW | CLIENT:<br>Village of Villa Park<br>20 South Ardmore Avenue<br>Villa Park, Illinois 60181 | TITLE:<br>**SITE INVESTIGATION AREA** |
| Visio, Vertere, Virtute...<br>*"The Vision To Transform With Excellence"* | DATE: 12/14/14<br>SCALE: See Scale Bar | BASE LAYER:<br>DigitalGlobe Aerial Imagery (2012) | SITE:<br>N. Ardmore Avenue Streetscape Project<br>Villa Park, Illinois<br>FIGURE: 2.1 |

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## Legend

- Soil Boring
- Electrical Replacement within PSI Project Limits


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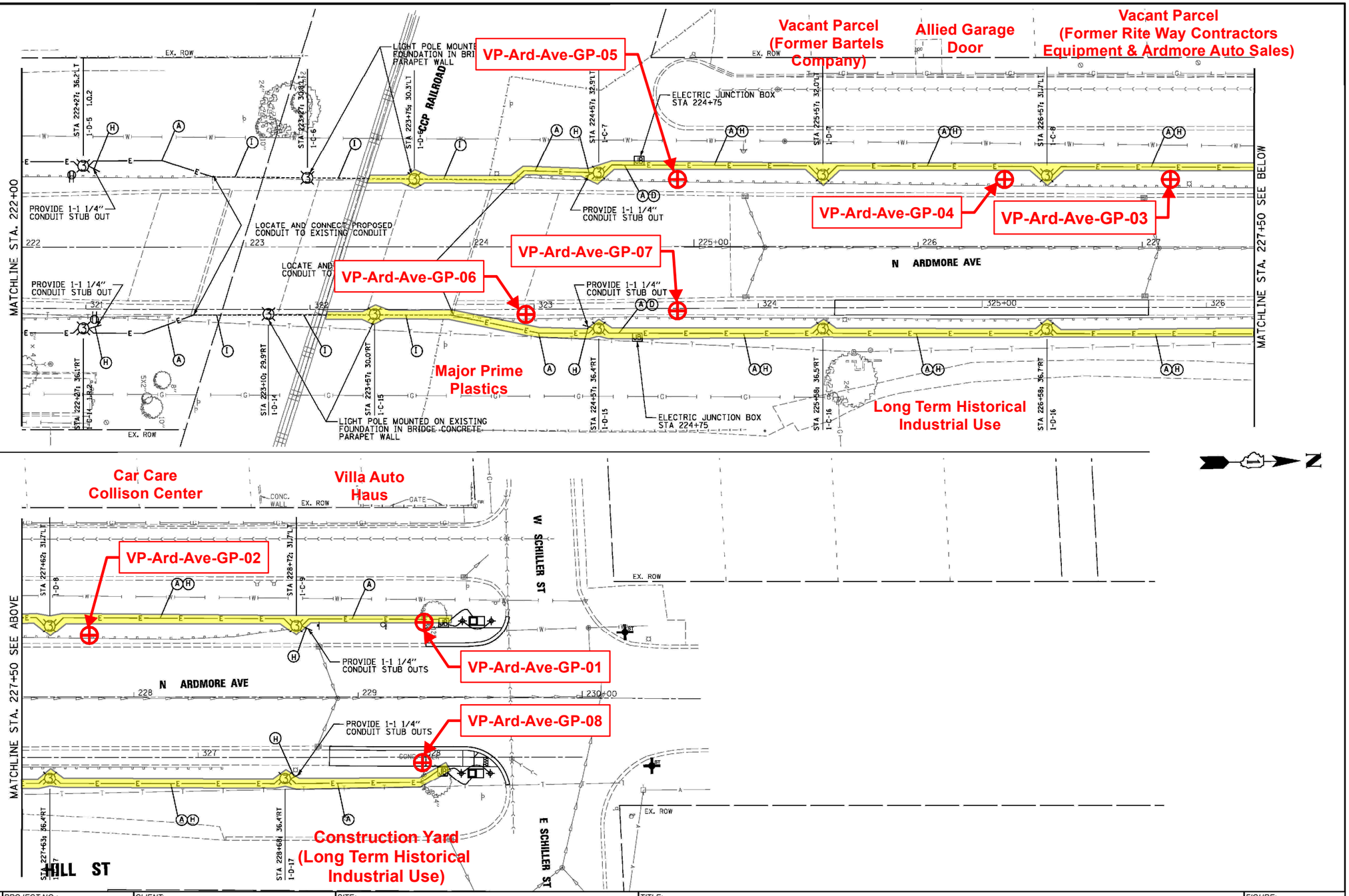
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| PROJECT NO.: | 13193 |
| CREATED BY: | KJW |
| DATE: | 12/14/14 |
| SCALE: | N.T.S |
| CLIENT: | Village of Villa Park<br>20 South Ardmore Avenue<br>Villa Park, IL 60181-2696 |
| BASE LAYER: | Lighting and Electrical Plan<br>By: V3 Companies |
| SITE: | N. Ardmore Avenue<br>Streetscape Project<br>Villa Park, Illinois |

# BORING LOCATIONS (N. ARDMORE AVENUE) STATION 201+49.21 TO STATION 206+26

FIGURE: 3.1

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**Legend**

- Soil Boring
- Electrial Replacement within PSI Project Limits


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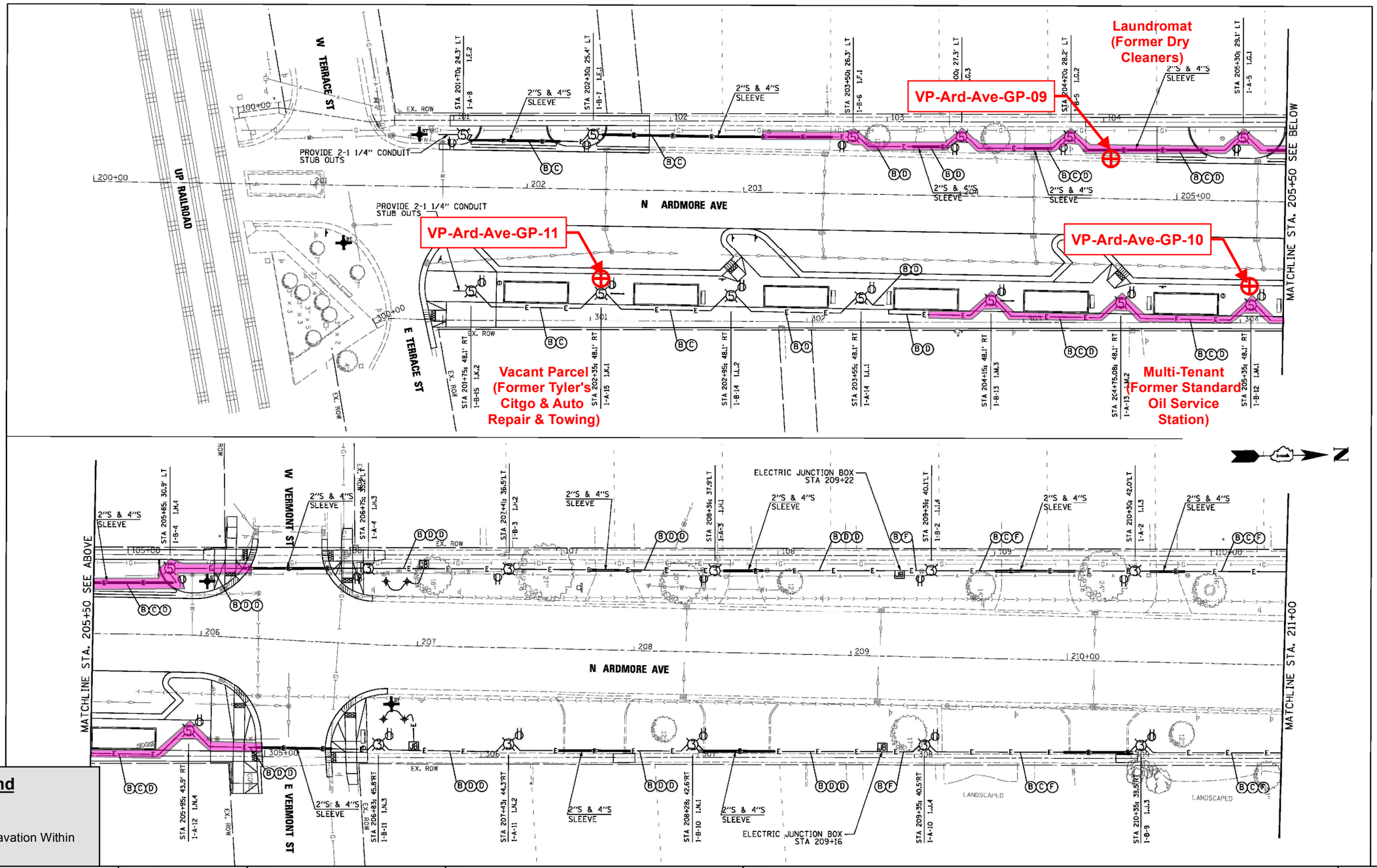
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| PROJECT NO.: | 13193 |
| CREATED BY: | KJW |
| DATE: | 12/15/14 |
| SCALE: | N.T.S |
| CLIENT: | Village of Villa Park<br>20 South Ardmore Avenue<br>Villa Park, IL 60181-2696 |
| BASE LAYER: | Lighting and Electrial Plan<br>By: V3 Companies |
| SITE: | N. Ardmore Avenue<br>Streetscape Project<br>Villa Park, Illinois |

# BORING LOCATIONS (N. ARDMORE AVENUE) STATION 223+56 TO STATION 229+70.17

FIGURE: 3.2

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**Legend**

- Soil Boring
- Proposed Excavation Within Impacted Soil


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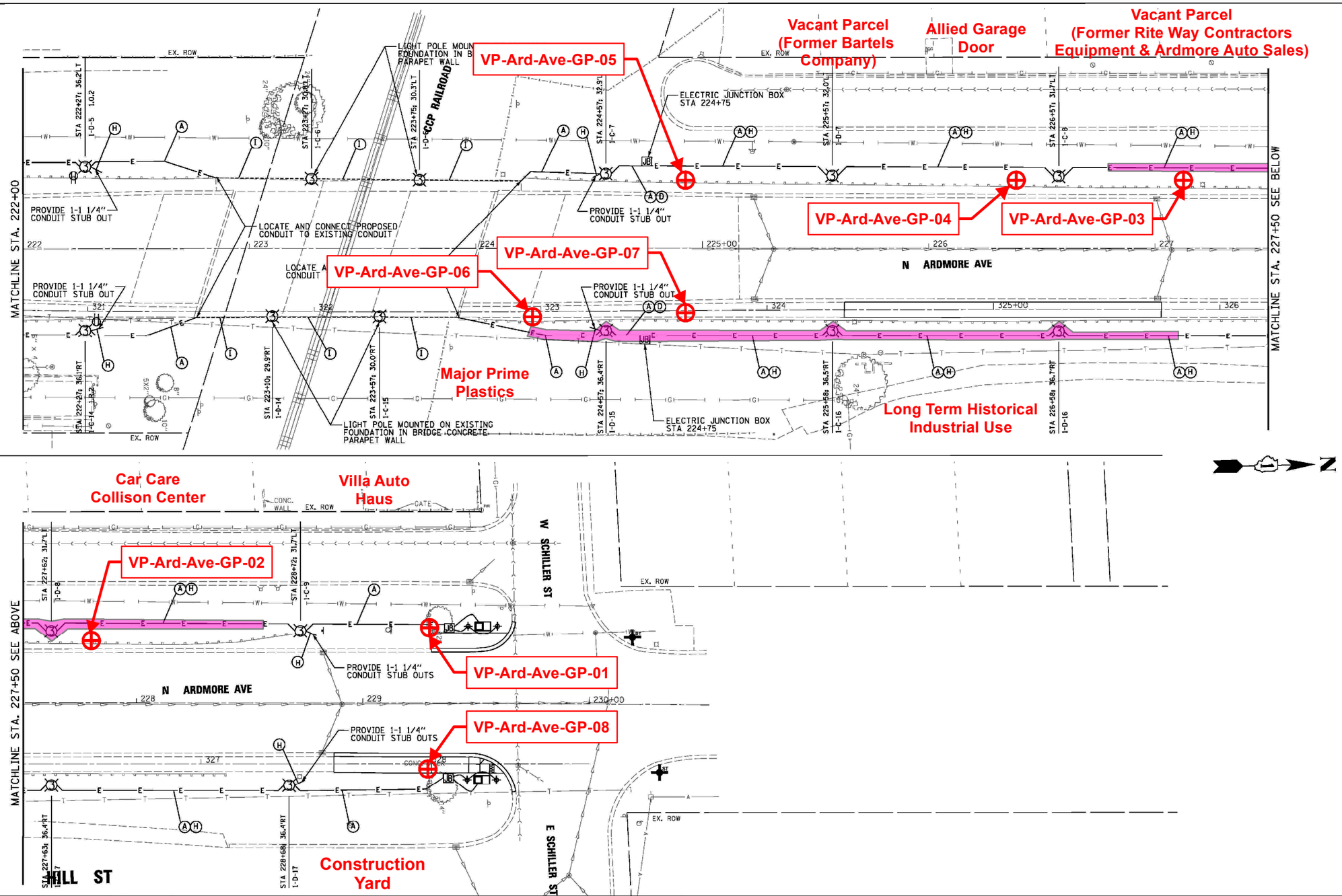
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|---|---|
| PROJECT NO.: | 13193 |
| CREATED BY: | KJW |
| DATE: | 12/14/14 |
| SCALE: | N.T.S |
| CLIENT: | Village of Villa Park<br>20 South Ardmore Avenue<br>Villa Park, IL 60181-2696 |
| BASE LAYER: | Lighting and Electrical Plan<br>By: V3 Companies |
| SITE: | N. Ardmore Avenue<br>Streetscape Project<br>Villa Park, Illinois |

# TITLE: CONSTRUCTION ACTIVITIES WITHIN IMPACTED SOIL (N. ARDMORE AVENUE) STATION 201+49.21 TO STATION 206+26

FIGURE: 4.1

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**Legend**

- Soil Boring
- Proposed Excavation within Impacted Soil


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| CREATED BY: | KJW |
| DATE: | 12/15/14 |
| SCALE: | N.T.S |

CLIENT: Village of Villa Park
20 South Ardmore Avenue
Villa Park, IL 60181-2696

BASE LAYER: Lighting and Electrial Plan
By: V3 Companies

SITE: N. Ardmore Avenue
Streetscape Improvements
Villa Park, Illinois

TITLE: **CONSTRUCTION ACTIVITIES WITHIN IMPACTED SOIL (N. ARDMORE AVENUE) STATION 223+56 TO STATION 229+70.17**

FIGURE: 4.2

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# TABLES

**TABLE 2.1 - SUMMARY OF SAMPLING PROGRAM**
**N. ARDMORE AVENUE STREETSCAPE PROJECT**
**VILLA PARK, ILLINOIS**

| Boring I.D. | Boring / Sample Stationing | Offset from Proposed Location | PESA Identified Site / Recognized Environmental Condition (REC) | Boring Depth (ft.) | Sample Depth Interval (ft.) | | | ANALYSIS PERFORMED | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | *Soil Sample* | *GW Sample* | VOCs | PAHs | PCBs | RCRA 8 Metals | TCLP RCRA 8 Metals | SPLP Chromium | pH |
| VP-Ard-Ave-GP-01 | N. Ardmore Ave. 229+30 LT | None | Villa Auto Haus (726 N. Ardmore Ave.) | 5.5 | 3-4 | X | | X | X | X | X | X | | X |
| VP-Ard-Ave-GP-02 | N. Ardmore Ave. 227+86 LT | None | Car Care Collison Center (724 N. Ardmore Ave.) | 8 | 3-4 | X | | X | X | X | X | X | | X |
| VP-Ard-Ave-GP-03 | N. Ardmore Ave. 227+14 LT | None | Vacant Parcel (Former Rite Way Contractors Equipment & Ardmore Auto Sales) (714 N. Ardmore Ave.) | 8 | 3-4 | X | | X | X | X | X | X | | X |
| VP-Ard-Ave-GP-04 | N. Ardmore Ave. 226+42 LT | None | Allied Garage Door (712 N. Ardmore Ave.) | 8 | 3-4 | X | | X | X | | X | | X | X |
| VP-Ard-Ave-GP-05 | N. Ardmore Ave. 224+98 LT | None | Vacant Parcel (Former Bartels Company) (708 N. Ardmore Ave.) | 8 | 3-4 | X | | X | X | | X | | X | X |
| VP-Ard-Ave-GP-06 | N. Ardmore Ave. 224+26 RT | None | Major Prime Plastics (649 N. Ardmore Ave.) | 8 | 3-4 | X | | X | X | X | X | X | | X |
| VP-Ard-Ave-GP-07 | N. Ardmore Ave. 224+96 RT | None | Long Term Historical Industrial Use (12 E. Hill St.) | 8 | 3-4 | X | | X | X | | X | | X | X |
| VP-Ard-Ave-GP-08 | N. Ardmore Ave. 229+28 RT | None | Construction Yard (Long Term Historical Industrial Use) (NEC Schiller St. & Ardmore Ave.) | 8 | 3-4 | X | | X | X | | X | | X | X |
| VP-Ard-Ave-GP-09 | N. Ardmore Ave. 204+70 LT | None | Laundromat (Former Dry Cleaners) (414-416 N. Ardmore Ave.) | 8 | 3-5 | X | | X | X | | X | | X | X |
| VP-Ard-Ave-GP-10 | N. Ardmore Ave. 205+35 RT | None | Multi-Tenant (Former Standard Oil Service Station) (415 N. Ardmore Ave.) | 8 | 3-4 | X | | X | X | | X | | X | X |
| VP-Ard-Ave-GP-11 | N. Ardmore Ave. 202+35 RT | None | Vacant Parcel (Former Tyler's Citgo & Auto Repair & Towing) (351 N. Ardmore Ave.) | 8 | 3-5 | X | | X | X | X | X | X | | X |

**TABLE 4.1 - FIELD OBSERVATIONS AND SAMPLING RATIONALE**
**N. ARDMORE AVENUE STREETSCAPE PROJECT**
**VILLA PARK, ILLINOIS**

| Boring I.D. | Boring / Sample Stationing | Depth to Groundwater (ft.) | Range of PID Readings (ppm) | Depth Interval of Highest PID Reading (ft. BGS) | Observed Evidence of Contamination | Sample Depth Interval (ft.) | Rationale for Sample Depth Interval |
|---|---|---|---|---|---|---|---|
| VP-Ard-Ave-GP-01 | N. Ardmore Ave. 229+30 LT | N/A | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-02 | N. Ardmore Ave. 227+86 LT | 7.0 | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-03 | N. Ardmore Ave. 227+14 LT | 6.0 | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-04 | N. Ardmore Ave. 226+42 LT | N/A | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-05 | N. Ardmore Ave. 224+98 LT | N/A | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-06 | N. Ardmore Ave. 224+26 RT | N/A | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-07 | N. Ardmore Ave. 224+96 RT | N/A | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-08 | N. Ardmore Ave. 229+28 RT | N/A | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-09 | N. Ardmore Ave. 204+70 LT | N/A | No Detections | N/A | None | 3-5 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-10 | N. Ardmore Ave. 205+35 RT | N/A | No Detections | N/A | None | 3-4 | Sampled interval within construction excavation depth |
| VP-Ard-Ave-GP-11 | N. Ardmore Ave. 202+35 RT | N/A | No Detections | N/A | None | 3-5 | Sampled interval within construction excavation depth |

**TABLE 4.2 - SUMMARY OF SOIL ANALYTICAL RESULTS: ORGANICS (VOCs)**
**N. ARDMORE AVENUE STREETSCAPE PROJECT**
**VILLA PARK, ILLINOIS**

| Chemical Name | 35 IAC Part 1100 MAC /2 (mg/kg) | Most Stringent TACO Construction Worker Remediation Objectives /3 (mg/kg) | N. Ardmore Ave. | | | | | | E. Hill St. | NEC Schiller St. & Ardmore Ave. | N. Ardmore Ave. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 |
| | | | Villa Auto Haus | Car Care Collison Center | Vacant Parcel/Former Rite Way Contractors Equipment & Ardmore Auto Sales | Allied Garage Door | Vacant Parcel/Former Bartels Company | Major Prime Plastics | Long Term Historical Industrial Use | Construction Yard/Long Term Historical Industrial Use | Laundromat/Former Dry Cleaners | Multi-Tenant/Former Standard Oil Service Station | Vacant Parcel/Former Tyler's Citgo & Auto Repair & Towing |
| | | | **VP-Ard-Ave-GP-01-(3-4')** | **VP-Ard-Ave-GP-02-(3-4')** | **VP-Ard-Ave-GP-03-(3-4')** | **VP-Ard-Ave-GP-04-(3-4')** | **VP-Ard-Ave-GP-05-(3-4')** | **VP-Ard-Ave-GP-06-(3-4')** | **VP-Ard-Ave-GP-07-(3-4')** | **VP-Ard-Ave-GP-08-(3-4')** | **VP-Ard-Ave-GP-09-(3-5')** | **VP-Ard-Ave-GP-10-(3-4')** | **VP-Ard-Ave-GP-11-(3-5')** |
| | | | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-5 ft. | 3-4 ft. | 3-5 ft. |
| | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| **Volatile Organic Compounds (Method - 5035/8260B)** | | | | | | | | | | | | | |
| Acetone | 25 b | 100,000d | < 0.073 | < 0.073 | < 0.074 | < 0.062 | < 0.067 | < 0.076 | < 0.082 | < 0.070 | < 0.074 | < 0.070 | < 0.065 |
| Benzene | 0.03 b | 2.2e | 0.0058 | < 0.0048 | < 0.0050 | 0.0052 | 0.0054 | 0.0069 | < 0.0055 | < 0.0047 | 0.0066 | < 0.0047 | 0.0058 |
| Bromodichloromethane (Dichlorobromomethane) | 0.6 b | 2,000e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Bromoform | 0.8 b | 140e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Bromomethane (methylene bromide) [NT] | NA | 2.8b | < 0.0097 | < 0.0097 | < 0.0099 | < 0.0083 | < 0.0089 | < 0.010 | < 0.011 | < 0.0094 | < 0.0099 | < 0.0094 | < 0.0087 |
| 2-Butanone (MEK) [NT] | NA | 730b | < 0.073 | < 0.073 | < 0.074 | < 0.062 | < 0.067 | < 0.076 | < 0.082 | < 0.070 | < 0.074 | < 0.070 | < 0.065 |
| Carbon disulfide | 9 g | 9.0b | < 0.049 | < 0.048 | < 0.050 | < 0.042 | < 0.045 | < 0.050 | < 0.055 | < 0.047 | < 0.050 | < 0.047 | < 0.044 |
| Carbon tetrachloride | 0.07 b | 0.90e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Chlorobenzene (Monochlorobenzene) | 1 b | 1.3b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Chloroethane [NT] | NA | 39b | < 0.0097 | < 0.0097 | < 0.0099 | < 0.0083 | < 0.0089 | < 0.010 | < 0.011 | < 0.0094 | < 0.0099 | < 0.0094 | < 0.0087 |
| Chloroform | 0.3 g | 0.76e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Chloromethane [NT] | NA | 5b | < 0.0097 | < 0.0097 | < 0.0099 | < 0.0083 | < 0.0089 | < 0.010 | < 0.011 | < 0.0094 | < 0.0099 | < 0.0094 | < 0.0087 |
| Chlorodibromomethane (Dibromochloromethane) | NA | 1,300d | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 1,1-Dichloroethane | 23 b | 130b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 1,2-Dichloroethane (Ethylene dichloride) | 0.02 b | 0.99e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 1,1-Dichloroethene (1,1-Dichloroethylene) | 0.06 b | 3.0b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| cis-1,2-Dichloroethene (cis-1,2-Dichloroethylene) | 0.4 b | 1,200d | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| trans-1,2-Dichloroethene (trans-1,2-Dichloroethylene) | 0.7 b | 3,100d | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 1,2-Dichloropropane | 0.03 b | 0.50b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| cis-1,3-Dichloropropene (1) | 0.005 c | 0.39b | < 0.0019 | < 0.0019 | < 0.0020 | < 0.0017 | < 0.0018 | < 0.0020 | < 0.0022 | < 0.0019 | < 0.0020 | < 0.0019 | < 0.0017 |
| trans-1,3-Dichloropropene (1) | 0.005 c | 0.39b | < 0.0019 | < 0.0019 | < 0.0020 | < 0.0017 | < 0.0018 | < 0.0020 | < 0.0022 | < 0.0019 | < 0.0020 | < 0.0019 | < 0.0017 |
| Ethylbenzene | 13 b | 58b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 2-Hexanone | NA | 47b | < 0.019 | < 0.019 | < 0.020 | < 0.017 | < 0.018 | < 0.020 | < 0.022 | < 0.019 | < 0.020 | < 0.019 | < 0.017 |
| 4-Methyl-2-pentanone (MIBK) [NT] | NA | 340b | < 0.019 | < 0.019 | < 0.020 | < 0.017 | < 0.018 | < 0.020 | < 0.022 | < 0.019 | < 0.020 | < 0.019 | < 0.017 |
| Methylene chloride (Dichloromethane) | 0.02 b | 34e | < 0.0097 | < 0.0097 | < 0.0099 | < 0.0083 | < 0.0089 | < 0.010 | < 0.011 | < 0.0094 | < 0.0099 | < 0.0094 | < 0.0087 |
| MTBE (methyl tertiary-butyl ether) | 0.32 b | 140b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Styrene | 4 b | 430b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 1,1,2,2-Tetrachloroethane [NT] | NA | 1.7e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Tetrachloroethene (Perchloroethylene) | 0.06 b | 28e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Toluene | 12 b | 42b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 1,1,1-Trichloroethane | 2 b | 1,200d | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| 1,1,2-Trichloroethane | 0.02 b | 1,800d | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Trichloroethene (Trichloroethylene) | 0.06 b | 12e | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Vinyl Chloride | 0.01 b | 1.1b | < 0.0049 | < 0.0048 | < 0.0050 | < 0.0042 | < 0.0045 | < 0.0050 | < 0.0055 | < 0.0047 | < 0.0050 | < 0.0047 | < 0.0044 |
| Xylenes (total) | 5.6 g | 5.6b | < 0.015 | < 0.015 | < 0.015 | < 0.012 | < 0.013 | < 0.015 | < 0.016 | < 0.014 | < 0.015 | < 0.014 | < 0.013 |

**V3 Table Notes:**

| | |
|---|---|
| 0.11 | Indicates exceedance of TACO Construction Worker Remediation Objective and/or applicable MAC |
| (1) | (1) indicates value is for (1,3-Dichloropropylene, cis+trans) |
| [NT] | [NT] indicates Non-TACO Chemical |
| NA | NA indicates Not Available |
| --- | --- indicates chemical not analyzed or not sampled |
| /2 | Concentrations are the results after using methods described in Title 35 of the Illinois Administrative Code (IAC) 1100 Subpart F for determining Maximum Allowable Concentrations (MACs) of chemical constituents in uncontaminated soils used as fill material at regulated fill operations. See attached notations (page 1 and 2). |
| /3 | Refers to the lowest construction worker remedial objective found in Illinois Administrative Code Title 35, Part 742, Appendix B, Table B. See attached notations (page 3). |

Prepared by/Date KJW 11/12/14
Checked by/Date RKB 11/13/14

**TABLE 4.3 - SUMMARY OF SOIL ANALYTICAL RESULTS: ORGANICS (SVOCs)**
**N. ARDMORE AVENUE STREETSCAPE PROJECT**
**VILLA PARK, ILLINOIS**

| Chemical Name | 35 IAC Part 1100 MAC /1 (mg/kg) | Most Stringent TACO Construction Worker Remediation Objectives /2 (mg/kg) | N. Ardmore Ave. | | | | | | E. Hill St. | NEC Schiller St. & Ardmore Ave. | N. Ardmore Ave. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 |
| | | | Villa Auto Haus | Car Care Collison Center | Vacant Parcel/Former Rite Way Contractors Equipment & Ardmore Auto Sales | Allied Garage Door | Vacant Parcel/Former Bartels Company | Major Prime Plastics | Long Term Historical Industrial Use | Construction Yard/Long Term Historical Industrial Use | Laundromat/Former Dry Cleaners | Multi-Tenant/Former Standard Oil Service Station | Vacant Parcel/Former Tyler's Citgo & Auto Repair & Towing |
| | | | **VP-Ard-Ave-GP-01-(3-4')** | **VP-Ard-Ave-GP-02-(3-4')** | **VP-Ard-Ave-GP-03-(3-4')** | **VP-Ard-Ave-GP-04-(3-4')** | **VP-Ard-Ave-GP-05-(3-4')** | **VP-Ard-Ave-GP-06-(3-4')** | **VP-Ard-Ave-GP-07-(3-4')** | **VP-Ard-Ave-GP-08-(3-4')** | **VP-Ard-Ave-GP-09-(3-5')** | **VP-Ard-Ave-GP-10-(3-4')** | **VP-Ard-Ave-GP-11-(3-5')** |
| | | | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-5 ft. | 3-4 ft. | 3-5 ft. |
| | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| **Semivolatiles (Method - 8270C)** | | | | | | | | | | | | | |
| **Polynuclear Aromatic Compound (PNAs)** | | | | | | | | | | | | | |
| Acenaphthene | 570 b | 120,000b | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.14 | < 0.039 | < 0.039 | < 0.039 |
| Acenaphthylene [NT] | 85 | 61,000b | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.069 | < 0.039 | < 0.039 | < 0.039 |
| Anthracene | 12000 b | 610,000b | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.57 | < 0.039 | < 0.039 | < 0.039 |
| Benzo(*a*)anthracene | 1.8 f | 170e | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 1.1 | < 0.039 | < 0.039 | < 0.039 |
| Benzo(*a)* pyrene | 2.1 f | 17e | 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.96 | < 0.039 | < 0.039 | < 0.039 |
| Benzo(*b*)fluoranthene | 2.1 f | 170e | 0.042 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 1.2 | < 0.039 | < 0.039 | < 0.039 |
| Benzo(*g,h,i*)perylene [NT] | 2300 | 1,700e | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.66 | < 0.039 | < 0.039 | < 0.039 |
| Benzo(*k)* fluoranthene | 9 g | 61,000b | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.76 | < 0.039 | < 0.039 | < 0.039 |
| Chrysene | 88 g | 17,000e | 0.051 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 1.1 | < 0.039 | < 0.039 | < 0.039 |
| Dibenzo(*a,h*)anthracene | 0.42 f | 17e | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.33 | < 0.039 | < 0.039 | < 0.039 |
| Fluoranthene | 3100 g | 82,000b | 0.090 | < 0.041 | 0.067 | < 0.038 | < 0.041 | 0.054 | < 0.038 | 2.9 | < 0.039 | < 0.039 | < 0.039 |
| Fluorene | 560 b | 82,000b | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.25 | < 0.039 | < 0.039 | < 0.039 |
| Indeno(1,2,3-*c,d*)pyrene | 1.6 f | 170e | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.60 | < 0.039 | < 0.039 | < 0.039 |
| Naphthalene | 1.8 g | 1.8b | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 0.077 | < 0.039 | < 0.039 | < 0.039 |
| Phenanthrene [NT] | 210 | 61,000b | < 0.040 | < 0.041 | < 0.039 | < 0.038 | < 0.041 | < 0.038 | < 0.038 | 2.0 | < 0.039 | < 0.039 | < 0.039 |
| Pyrene | 2300 g | 61,000b | 0.077 | < 0.041 | 0.051 | < 0.038 | < 0.041 | 0.042 | < 0.038 | 2.1 | < 0.039 | < 0.039 | < 0.039 |

**V3 Table Notes:**

| | |
|---|---|
| 0.11 | Indicates exceedance of TACO Construction Worker Remediation Objective and/or applicable MAC |
| 0.11 | Indicates that the MAC is dependent on the location of the fill site. |
| [NT] | [NT] indicates Non-TACO Chemical |
| NA | NA indicates Not Available |
| --- | --- indicates chemical not analyzed or not sampled |
| /1 | Concentrations are the results after using methods described in Title 35 of the Illinois Administrative Code (IAC) 1100 Subpart F for determining Maximum Allowable Concentrations (MACs) of chemical constituents in uncontaminated soils used as fill material at regulated fill operations. See attached notations (page 1 and 2). |
| /2 | Refers to the lowest construction worker remedial objective found in Illinois Administrative Code Title 35, Part 742, Appendix B, Table B. See attached notations (page 3). |

**Assumed the location of the fill site is within a populated area in a Metropolitan Statistical Area (MSA), excluding Chicago**

Prepared by/Date KJW 11/12/14
Checked by/Date RKB 11/13/14

**TABLE 4.4 - SUMMARY OF SOIL ANALYTICAL RESULTS: ORGANICS (PCBs)**
**N. ARDMORE AVENUE STREETSCAPE PROJECT**
**VILLA PARK, ILLINOIS**

| Chemical Name | 35 IAC Part 1100 MAC / Lowest TACO Tier 1 RO (mg/kg) | Most Stringent TACO Construction Worker Remediation Objectives (mg/kg) | N. Ardmore Ave. | | | | |
|---|---|---|---|---|---|---|---|
| | | | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 |
| | | | Villa Auto Haus | Car Care Collison Center | Vacant Parcel/Former Rite Way Contractors Equipment & Ardmore Auto Sales | Major Prime Plastics | Vacant Parcel/Former Tyler's Citgo & Auto Repair & Towing |
| | | | **VP-Ard-Ave-GP-01-(3-4')** | **VP-Ard-Ave-GP-02-(3-4')** | **VP-Ard-Ave-GP-03-(3-4')** | **VP-Ard-Ave-GP-06-(3-4')** | **VP-Ard-Ave-GP-11-(3-5')** |
| | | | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-5 ft. |
| | | | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| **PCBs (Method - 8082)** | | | | | | | |
| Aroclor 1016 (Using value for PCBs) | 1[k] | 1[h] | < 0.098 | < 0.099 | < 0.095 | < 0.093 | < 0.094 |
| Aroclor 1221 (Using value for PCBs) | 1[k] | 1[h] | < 0.098 | < 0.099 | < 0.095 | < 0.093 | < 0.094 |
| Aroclor 1232 (Using value for PCBs) | 1[k] | 1[h] | < 0.098 | < 0.099 | < 0.095 | < 0.093 | < 0.094 |
| Aroclor 1242 (Using value for PCBs) | 1[k] | 1[h] | < 0.098 | < 0.099 | < 0.095 | < 0.093 | < 0.094 |
| Aroclor 1248 (Using value for PCBs) | 1[k] | 1[h] | < 0.098 | < 0.099 | < 0.095 | < 0.093 | < 0.094 |
| Aroclor 1254 (Using value for PCBs) | 1[k] | 1[h] | < 0.098 | < 0.099 | < 0.095 | < 0.093 | < 0.094 |
| Aroclor 1260 (Using value for PCBs) | 1[k] | 1[h] | < 0.098 | < 0.099 | < 0.095 | < 0.093 | < 0.094 |

| | **V3 Table Notes:** |
|---|---|
| 0.11 | Indicates exceedance of TACO Construction Worker Remediation Objective and/or applicable MAC |
| a | Concentrations are the results after using methods described in 35 IAC 1100.Subpart F for determining Maximum Allowable Concentrations of chemical constitutents in uncontaminated soils used as fill material at regulated fill operations. |
| --- | --- indicates chemical not analyzed or not sampled |

**See attached for notations**

Prepared by/Date KJW 11/12/14
Checked by/Date RKB 11/13/14

**TABLE 4.5 - SUMMARY OF SOIL ANALYTICAL RESULTS: INORGANICS (METALS)**
**N. ARDMORE AVENUE STREETSCAPE PROJECT**
**VILLA PARK, ILLINOIS**

| | 35 IAC Part 1100 MAC [/1] | Most Stringent TACO Construction Worker Remediation Objective [/2] | Soil Component of the Groundwater Ingestion Exposure Route Values [/3] | [A'] Counties Within Metropolitan Statistical Areas [B'] (For Inorganic Chem. in Background Soils) | N. Ardmore Ave. | | | | | | E. Hill St. | NEC Schiller St. & Ardmore Ave. | N. Ardmore Ave. | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 | 11/04/14 |
| | | | | | Villa Auto Haus | Car Care Collison Center | Vacant Parcel/Former Rite Way Contractors Equipment & Ardmore Auto Sales | Allied Garage Door | Vacant Parcel/Former Bartels Company | Major Prime Plastics | Long Term Historical Industrial Use | Construction Yard/Long Term Historical Industrial Use | Laundromat/Former Dry Cleaners | Multi-Tenant/Former Standard Oil Service Station | Vacant Parcel/Former Tyler's Citgo & Auto Repair & Towing |
| | | | | | VP-Ard-Ave-GP-01-(3-4') | VP-Ard-Ave-GP-02-(3-4') | VP-Ard-Ave-GP-03-(3-4') | VP-Ard-Ave-GP-04-(3-4') | VP-Ard-Ave-GP-05-(3-4') | VP-Ard-Ave-GP-06-(3-4') | VP-Ard-Ave-GP-07-(3-4') | VP-Ard-Ave-GP-08-(3-4') | VP-Ard-Ave-GP-09-(3-5') | VP-Ard-Ave-GP-10-(3-4') | VP-Ard-Ave-GP-11-(3-5') |
| | | | Class I | | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-4 ft. | 3-5 ft. | 3-4 ft. | 3-5 ft. |
| **Chemical Name** | **(mg/kg)** | **(mg/kg)** | **(mg/L)** | **(mg/kg)** | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg | mg/kg |
| **INORGANICS (Method - 6020)** | | | | | | | | | | | | | | | |
| **Metals (Totals)** | | | | | | | | | | | | | | | |
| **Arsenic** | 13 e | 61[b] | | 13 | 10 | 14 | 14 | 12 | 12 | 11 | 16 | 10 | 50 | 18 | 13 |
| Barium | 1500 d,m | 14000[b] | | 110 | 100 | 200 | 140 | 78 | 180 | 86 | 120 | 110 | 79 | 110 | 100 |
| Cadmium | 5.2 d,m | 200[b,r] | | 0.6 | < 0.56 | < 0.56 | < 0.51 | < 0.51 | < 0.54 | < 0.52 | < 0.59 | < 0.51 | < 0.62 | < 0.57 | < 0.53 |
| **Chromium, total** | 21 d,m | 690[e] | | 16.2 | 24 | 30 | 33 | 29 | 36 | 27 | 31 | 26 | 22 | 30 | 29 |
| Lead | 107 d,m | 700[y] | | 36 | 32 | 35 | 27 | 23 | 28 | 22 | 25 | 52 | 51 | 26 | 23 |
| Mercury | 0.89 d, m, n (ionic) | 0.1[b] | | 0.06 | 0.032 | 0.030 | 0.037 | 0.026 | 0.047 | 0.023 | 0.046 | 0.028 | 0.024 | 0.060 | 0.034 |
| Selenium | 1.3 d,m | 1000[b] | | 0.48 | < 1.1 | 1.2 | < 1.0 | < 1.0 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.2 | < 1.1 | < 1.1 |
| Silver | 4.4 d,m | 1000[b] | | 0.55 | < 1.1 | < 1.1 | < 1.0 | < 1.0 | < 1.1 | < 1.0 | < 1.2 | < 1.0 | < 1.2 | < 1.1 | < 1.1 |
| **SPLP INORGANICS (Method - 1312/6020)** | | | **Soil Component of the Groundwater Ingestion Exposure Route Values [/3]** | | | | | | | | | | | | |
| | | | **Class I (mg/L)** | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| SPLP Chromium | | | 0.1 | | --- | --- | --- | 0.018 | 0.023 | --- | 0.020 | 0.0097 | 0.021 | 0.048 | --- |
| **TCLP INORGANICS (Method - 1312/6020)** | | | **Soil Component of the Groundwater Ingestion Exposure Route Values [/3]** | | | | | | | | | | | | |
| | | | **Class I (mg/L)** | | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L | mg/L |
| TCLP Arsenic[l,n] | | | 0.05m | | < 0.010 | < 0.010 | < 0.010 | --- | --- | < 0.010 | --- | --- | --- | --- | < 0.010 |
| TCLP Barium | | | 2.0m | | 0.87 | 0.38 | 0.63 | --- | --- | 0.40 | --- | --- | --- | --- | 0.53 |
| TCLP Cadmium[l,n] | | | 0.005m | | < 0.0050 | < 0.0050 | < 0.0050 | --- | --- | < 0.0050 | --- | --- | --- | --- | < 0.0050 |
| TCLP Chromium | | | 0.1m | | < 0.010 | < 0.010 | < 0.010 | --- | --- | < 0.010 | --- | --- | --- | --- | < 0.010 |
| **TCLP Lead** | | | 0.0075m | | < 0.0050 | < 0.0050 | 0.012 | --- | --- | < 0.0050 | --- | --- | --- | --- | < 0.0050 |
| TCLP Mercury[l,n,s] | | | 0.002m | | < 0.00020 | < 0.00020 | < 0.00020 | --- | --- | < 0.00020 | --- | --- | --- | --- | < 0.00020 |
| TCLP Selenium[l,n] | | | 0.05m | | < 0.010 | < 0.010 | < 0.010 | --- | --- | < 0.010 | --- | --- | --- | --- | < 0.010 |
| TCLP Silver | | | 0.05m | | < 0.010 | < 0.010 | < 0.010 | --- | --- | < 0.010 | --- | --- | --- | --- | < 0.010 |
| **OTHER PARAMETERS** | | | | | | | | | | | | | | | |
| pH@ 25°C (1:10) | 6.25 - 9.0 | | | | 7.5 | 7.4 | 7.8 | 7.9 | 8.0 | 8.2 | 7.4 | 7.7 | 8.0 | 7.2 | 8.0 |

**V3 Table Notes:**

| | |
|---|---|
| 0.11 | Indicates exceedance of TACO Construction Worker Remediation Objective and/or applicable MAC |
| --- | --- indicates chemical not analyzed or not sampled |
| /1 | Concentrations are the results after using methods described in Title 35 of the Illinois Administrative Code (IAC) 1100 Subpart F for determining Maximum Allowable Concentrations (MACs) of chemical constituents in uncontaminated soils used as fill material at regulated fill operations. See attached notations (page 1 and 2). |
| /2 | Refers to the lowest construction worker remedial objective found in Illinois Administrative Code Title 35, Part 742, Appendix B, Table B. See attached notations (page 3). |
| /3 | Refers to the remedial objectives found in Illinois Administrative Code Title 35, Section 742, Appendix B, Table A (Tier I Soil Remediation Objectives for Residential Properties). See attached notations (page 4). |
| A' | Section 742, Appendix A, Table G: Concentrations of Inorganic Chemicals in Background Soils |
| B' | Counties within Metropolitan Statistical Areas: Boone, Champaign, Clinton, Cook, DuPage, Grundy, Henry, Jersey, Kane, Kankakee, Kendall, Lake, Macon, Madison, McHenry, McLean, Mendard, Monroe, Peoria, Rock Island, Sangamon, St. Clair, Tazewelll, Will, Winnebago and Woodford. |

**Assumed the location of the fill site is within a populated area in a Metropolitan Statistical Area (MSA)**

Prepared by/Date KJW 11/12/14
Checked by/Date RKB 11/13/14

**Notations for 'Summary of Maximum Allowable Concentrations of Chemical Constituents In Uncontaminated Soil Used as Fill Material At Regulated Fill Operations (35 IAC 1100, Subpart F)**

| | |
|---|---|
| a | Concentrations are the results after using methods described in 35 IAC 1100, Subpart F for determining Maximum Allowable Concentrations of chemical constitutents in uncontaminated soils used as fill material at regulated fill operations. |
| b | Value is the TACO Class I Soil Component of the Groundwater Ingestion Exposure Route concentration (35 IAC 742, Appendix B, Tables A and B). |
| c | Value is the TACO-defined Acceptable Detection Limit (ADL) for the chemical in soil. |
| d | Value is the lowest TACO Class I concentration between column range 6.25 to 6.64 and column range 8.75 to 9.0 from the pH-Specific Soil Remediation Objectives table for Inorganic and Ionizing Organic Chemicals for the Soil Component of the Groundwater Ingestion Exposure Route concentration (35 IAC 742, Appendix B, Tables C). (See 35 IAC 1100.605(a)(2); 1100.605(a)(3)(A)). |
| e | Value is the location-specific allowable concentration based upon TACO-defined background values for inorganic chemicals (35 IAC 742, Appendix A, Table G). The location of the fill site determines the allowable concentration. Two background locations are defined; one for counties that are designated as Metropolitan Statistical Areas (MSA) (see Board Note, 35 IAC 742, Appendix A, Table G), the other for counties designated as a non-MSA. |
| f | Value is the location-specific allowable concentration based upon TACO-defined background values for polynuclear aromatic hydrocarbon chemicals (35 IAC 742, Appendix A, Table H). The location of the fill site determines the allowable concentration. Three background locations are defined; one for areas within the corporate limits of the City of Chicago, another for populated areas (defined at 35 IAC 742.200) in counties that are designated as Metropolitan Statistical Areas (MSA) (see Board Note, 35 IAC 742, Appendix A, Table G) excluding the City of Chicago, and the third for populated areas within non-MSA counties. No background concentrations have been defined for locations outside of populated areas; therefore, the maximum allowable concentrations in these locations are determined using 35 IAC 1100, Subpart F. |
| g | Value is the lowest TACO Soil Remediation Objective by the ingestion or inhalation routes of exposure for the Residential and Construction Worker receptors (35 IAC 742, Appendix B, Tables A and B). When applicable, definitions for "MSA" and "populated area" are presented in 35 IAC 742, Appendix A, Table H and 35 IAC 742.200, respectively. |
| h | Value is the TACO Class I Soil Component of the Groundwater Ingestion Exposure Route value multiplied by 20. |
| i | Soil saturation concentration (Csat). |
| j | This chemical is of no concern for soil ingestion and no data are available to assess other routes of exposure. There is no soil concentration limit established for this constituent. |
| k | Value for PCBs is the highest allowable concentration requiring no controls based on USEPA TSCA (40 CFR 761) policy. |

| | |
|---|---|
| l | SW-846 methods may not support analytical detection at the concentration specified. Modified or alternative methods may be required to achieve the lowest practical detection level possible. |
| m | As an alternative to the subject maximum allowable concentration value, compliance verification may be determined by comparing soil sample extraction results (TCLP/SPLP) for this constituent to the respective TACO Class I Soil Component of the Groundwater Ingestion Exposure Route objective (35 IAC 742, Appendix B, Table A). (See 35 IAC 1100.610(b)(1)(B); 1100.610(b)(3)(C)). |
| n | Elemental mercury is an inhalation hazard and is evaluated based upon the IRIS inhalation reference concentration for elemental mercury (CAS No. 7439-97-6). All other forms of mercury are evaluated using the IRIS oral reference dose for mercuric chloride (CAS No. 7487-94-7). The inhalation MAC only applies where elemental mercury is a contaminant of concern; the MAC for ionic mercury applies everywhere. |

## Notations - Page 3

**Chemical Name and Soil Remediation Objective Notations (For INDUSTRIAL-COMMERCIAL and CONSTRUCTION WORKER Remediation Objectives)**

**a.** Soil remediation objectives based on human health criteria only.
**b.** Calculated values correspond to a target hazard quotient of 1.
**c.** No toxicity criteria available for this route of exposure.
**d.** Soil saturation concentration (C[sat]) = the concentration at which the absorptive limits of the soil particles, the solubility limits of the available soil moisture, and saturation of soil pore air have been reached. Above the soil saturation concentration, the assumptions regarding vapor transport to air and/or dissolved phase transport to groundwater (for chemicals which are liquid at ambient soil temperatures) have been violated, and alternative modeling approaches are required.
**e.** Calculated values correspond to a cancer risk level of 1 in 1,000,000.
**f.** Deleted from 742.
**g.** Chemical-specific properties are such that this route is not of concern at any soil contaminant concentration.
**h.** 40 CFR 761 contains applicability requirements and methodologies for the development of PCB remediation objectives. Request for approval of a Tier 3 evaluation must address the applicablity of 40 CFR 761.
**i.** Soil remediation objective for pH of 6.8. If soil pH is other than 6.8, refer to Appendix B, Tables C and D in this Part.
**j.** Ingestion soil remediation objective adjusted by a factor of 0.5 to account for dermal route.
**k.** Deleted from 742.
**l.** Potential for soil-plant-human exposure.
**m.** The person conducting the remediation has the option to use: (1) TCLP or SPLP test results to compare with the remediation objectives listed in this Table; (2) the total amount of contaminant in the soil sample results to compare with pH specific remediation objectives listed in Appendix B, Table C or D of this Part (see Section 742.510); or (3) the appropriate background value listed in Appendix A, Table G. If the person conducting the remediation wishes to calculate soil remediation objectives based on background concentration, this should be done in accordance with Subpart D of this Part.
**n.** The Agency reserves the right to evaluate the potential for remaining contaminant concentrations to pose significant threats to crops, livestock, or wildlife.
**o.** For agrichemical facilities, remediation objectives for surficial soils which are based on field application rates may be more appropriate for currently registered pesticides. Consult the Agency for further information.
**p.** For agrichemical facilities, soil remediation objectives based on site-specific background concentrations of Nitrate as N may be more appropriate. Such determinations shall be conducted in accordance with the procedures set forth in Subparts D and I of this Part.
**q.** The TCLP extraction must be done using water at a pH of 7.0.
**r.** Value based on dietary Reference Dose.
**s.** Value for Ingestion based on Reference Dose for Mercuric chloride (CAS No. 7487-94-7); value for Inhalation based on Reference Concentration for elemental Mercury (CAS No. 7439-97-6). Inhalation remediation objective only applies at sites where elemental mercury is a contaminant of concern.
**t.** For the ingestion route for arsenic for industrial/commercial, see 742, Appendix A, Table G.
**u.** Value based on Reference Dose for thallium sulfate (CAS No. 7446-18-6).
**v.** Deleted from 742.
**w.** Value based on Reference Dose adjusted for dietary intake.
**x.** For any populated areas as defined in Section 742.200, Appendix A, Table H may be used.
**y.** Value based on maintaining fetal blood lead below 10 ug/dl, using the USEPA adults Blood Lead Model.

## Notations - Page 4

**Chemical Name and Soil Remediation Objective Notations (For RESIDENTIAL REMEDIATION OBJECTIVES)**

**a.** Soil remediation objectives based on human health criteria only.
**b.** Calculated values correspond to a target hazard quotient of 1.
**c.** No toxicity criteria available for this route of exposure.
**d.** Soil saturation concentration (C[sat]) = the concentration at which the absorptive limits of the soil particles, the solubility limits of the available soil moisture, and saturation of soil pore air have been reached. Above the soil saturation concentration, the assumptions regarding vapor transport to air and/or dissolved phase transport to groundwater (for chemicals which are liquid at ambient soil temperatures) have been violated, and alternative modeling approaches are required.
**e.** Calculated values correspond to a cancer risk level of 1 in 1,000,000.
**f.** Deleted from 742.
**g.** Chemical-specific properties are such that this route is not of concern at any soil contaminant concentration.
**h.** 40 CFR 761 contains applicability requirements and methodologies for the development of PCB remediation objectives. Request for approval of a Tier 3 evaluation must address the applicablity of 40 CFR 761.
**i.** Soil remediation objective for pH of 6.8. If soil pH is other than 6.8, refer to Appendix B, Tables C and D in this Part.
**j.** Ingestion soil remediation objective adjusted by a factor of 0.5 to account for dermal route.
**k.** A preliminary remediation goal of 400 mg/kg has been set for lead based on *Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities* , OSWER Directive #9355.4-12.
**l.** Potential for soil-plant-human exposure.
**m.** The person conducting the remediation has the option to use: (1) TCLP or SPLP test results to compare with the remediation objectives listed in this Table; (2) where applicable, the total amount of contaminant in the soil sample results to compare with pH specific remediation objectives listed in Appendix B, Table C or D of this Part (see Section 742.510): or (3) the appropriate background value listed in Appendix A, Table G. If the person conducting the remediation wishes to calculate soil remediation objectives based on background concentration, this should be done in accordance with Subpart D of this Part.
**n.** The Agency reserves the right to evaluate the potential for remaining contaminant concentrations to pose significant threats to crops, livestock, or wildlife.
**o.** For agrichemical facilities, remediation objectives for surficial soils which are based on field application rates may be more appropriate for currently registered pesticides. Consult the Agency for further information.
**p.** For agrichemical facilities, soil remediation objectives based on site-specific background concentrations of Nitrate as N may be more appropriate. Such determinations shall be conducted in accordance with the procedures set forth in Subparts D and I of this Part.
**q.** The TCLP extraction must be done using water at a pH of 7.0.
**r.** Value based on dietary Reference Dose.
**s.** Value for Ingestion based on Reference Dose for Mercuric chloride (CAS No. 7487-94-7); value for Inhalation based on Reference Concentration for elemental Mercury (CAS No. 7439-97-6). Inhalation remediation objective only applies at sites where elemental mercury is a contaminant of concern.
**t.** For the ingestion route for arsenic, see 742, Appendix A, Table G.
**u.** Value based on Reference Dose for thallium sulfate (CAS No. 7446-18-6).
**v.** Value based on Reference Dose adjusted for dietary intake.
**w.** For sites located in any populated area as defined in Section 742.200, Appendix A, Table H may be used.
**x.** The remediation objectives for these chemicals must also include the construction worker inhalation objective in Appendix B, Table B.

# APPENDIX A

PESA

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vertere to transform
virtute with excellence

February 1, 2013

Vydas Juskelis, PE
Village of Villa Park
20 South Ardmore Avenue
Villa Park, IL 60181-2696

RE: Phase I Environmental Site Assessment
Ardmore Streetscape Project
North Ardmore Avenue
Villa Park, DuPage County, IL 60181
V3 Project No.: 12172

Dear Mr. Juskelis:

V3 Companies (V3) has completed a Preliminary Environmental Site Assessment (PESA) of the above-referenced site. This PESA has been conducted in general conformance with the scope and limitations of *A Manual for Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects* and *American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (Standard E1527-2005)*. The attached report provides our methodology, findings, opinions, and conclusions regarding environmental conditions at the Project Site.

V3 is providing this electronic version of the report for your review. If you have any questions regarding the findings and conclusions provided within this document, please contact us at (630) 724-9200. V3 appreciates the opportunity to serve you on this project.

Sincerely,
V3 COMPANIES

Margie Lathrop

Margie Lathrop
Project Manager

ML/sr

Enclosure: Preliminary Phase I Environmental Site Assessment Report

# PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT

## PROJECT SITE:

Ardmore Streetscape Project
North Ardmore Avenue
Villa Park, DuPage County, IL 60181

## PREPARED FOR:

Village of Villa Park
20 South Ardmore Avenue
Villa Park, IL 60181-2696

## PREPARED BY:

V3 Companies, Inc.
7325 Janes Avenue
Woodridge, Illinois 60517
(630) 724-9200

February 1, 2013

V3 Project Number: 12172

**SIGNATURES OF ENVIRONMENTAL PROFESSIONALS**
**THAT PERFORMED PHASE I ENVIRONMENTAL SITE ASSESSMENT**

This Preliminary Environmental Site Assessment report has been prepared by V3 Companies (V3), on behalf of Village of Villa Park (the User), in general conformance with the scope and limitations of ASTM *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (Standard E1527-2005)* and the U.S. EPA November 1, 2005 *Standards and Practices for All Appropriates Inquiries; Final Rule* (40 CFR Part 312), unless otherwise noted herein.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in the All Appropriate Inquiry Rule (40 CFR 312.10), and have the required specific qualifications related to education, training, and experience. We have developed and performed all appropriate inquiry in general conformance with the standards and practices set forth in 40 CFR Part 312.



Margie Lathrop, Due Diligence Manager



Keith R. Oswald, P.E., Director - Environment & Geosciences

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# 1.0 EXECUTIVE SUMMARY

V3 Companies, Ltd. has completed a Preliminary Environmental Site Assessment of the Ardmore Streetscape Project located at North Ardmore Avenue, Villa Park, IL. The report was prepared for Village of Villa Park and dated February 1, 2013 (12172). This PESA has been conducted in general conformance with the scope and limitations of *A Manual for Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects* and *American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (Standard E1527-2005)*. The following provides a summary of our findings, opinions, and conclusions regarding environmental conditions at the Project Site.

## 1.1 Recognized Environmental Conditions

A *Recognized environmental conditions* (REC) is defined by ASTM E1527-05 as "the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, groundwater, or surface water of the *property*. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *recognized environmental conditions*." (Italics denote terms with specific ASTM definitions).

This assessment has revealed no evidence of recognized environmental conditions in connection with the Project Site except for the following:

- 726 N. Ardmore Ave: Villa Auto Haus – former UST site; long term historical industrial use in close proximity to the Project Site.
- 724 N. Ardmore Ave: Car Care Collision Center – RCRA generator; long term historical industrial use in close proximity to the Project Site.
- 714 N. Ardmore Ave: Former Rite Way Contactors Equipment & Ardmore Auto Sales (currently vacant) – UST/LUST site; long term historical industrial use in close proximity to the Project Site.
- 712 N. Ardmore Ave: Allied Garage Door – Long term historical industrial use in close proximity to the Project Site.
- 708 N. Ardmore Ave: Former Bartels Company (currently vacant) – UST/LUST site; RCRA generator; SPILLS site; long term historical industrial use in close proximity to the Project Site.
- 649 N. Ardmore Ave: Major Prime Plastics – UST/LUST site; RCRA generator; SRP site; long term historical industrial use in close proximity to the Project Site.
- 12 E. Hill St: Villa Farms – Long term historical industrial use in close proximity to the Project Site.
- NEC Schiller St. & Ardmore Ave. (no address): construction yard – Long term historical industrial use in close proximity to the Project Site.
- 414/416 N. Ardmore Ave: Laundromat; former Millie's Cleaners (assumed former dry cleaner operation).

- 415 N. Ardmore Ave – Multi-tenant commercial building; former Standard Oil Service Station; SRP site with groundwater use restriction, asphalt/building foundation barrier & worker caution.
- 351 N. Ardmore Ave – Currently vacant; former Tyler's Citgo & Auto Repair & Towing; UST/LUST site.

### 1.2 Historic Recognized Environmental Conditions

An historic recognized environmental condition (HREC) is an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently.

- HRECs were not identified.

### 1.3 Identified Data Gaps

Under the ASTM/AAI standards, if *data gaps* are identified during the ESA process, the EP must comment on their significance and whether such gaps affect the overall findings. Data gaps *"*are a lack of or inability to obtain information required by the standards and practices listed in the regulation despite good faith efforts by the "Environmental Professional (EP)" or The User to gather such information." A *data gap* is significant if other information and/or professional experience raises reasonable concerns involving the "*data gap*."

The following data gaps were identified, but have <u>not</u> been deemed significant:

- Information regarding the chain-of-title ownership history or environmental liens recorded against the Project Site was not provided by the User. Environmental lien searches were not conducted as part of the scope of work for this Project.
- The "User" Questionnaire was not provided for this assessment.

## 2.0 INTRODUCTION

V3 Companies, Ltd. performed a Preliminary Environmental Site Assessment (PESA) of Ardmore Streetscape Project located at North Ardmore Avenue, Villa Park, IL. The assessment was performed by the following Environmental Professionals: Ms. Margie Lathrop, Project Manager and Mr. Keith Oswald, P.E.. The professional credentials of the project team are provided in Appendix I.

### 2.1 Purpose & Standards

<u>Purpose of the PESA</u>

V3 understands that the User intends to conduct roadway construction and public improvements within the Project Site. This PESA was conducted to identify areas that may have an adverse effect on construction or for project right-of-way acquisition (if required). In the case of acquisition, the intent of this assessment is to enable the Village of Villa Park (the User) to satisfy one of the requirements related to qualifying as an innocent landowner, contiguous property owner, or bona fide prospective purchaser, relative to potential CERCLA liability.

<u>Applicable Standards</u>

The process constitutes all appropriate inquiry into the previous ownership and uses of the property, consistent with good commercial or customary practice – as defined in 42 U.S.C §9601(35)(B), and provides defenses referred to as "landowner liability protections" ("LLPs").

Nationwide ESA procedures and protocols have been established relative to the content, performance, and documentation of the environmental assessment process. These procedures are defined in the standards identified below.

- *American Society of Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Preliminary Environmental Site Assessment Process (Standard E1527-2005)*.
- *U.S. EPA November 1, 2005 Standards and Practices for All Appropriate Inquiries; Final Rule (40 CFR Part 312)*.

These standards are referred to throughout this report as "ASTM" and "AAI." The goal of the processes established in these standards is to identify recognized environmental conditions (RECs) at the Project Site. V3 has conducted this PESA and developed this report in general conformance with the above standards, and the scope and limitations of *A Manual for Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects*.

## 2.2 Scope of Services

This PESA has been prepared and conducted in general conformance with the guidance and protocols of the ASTM/AAI and IDOT standards identified above, as set forth in the contract and terms with Village of Villa Park. In general, the evaluation process primarily consists of a review of historical and current records and information, a site visit, and interview of informed individuals. V3 has conducted this assessment consistent with that level of care and skill that is standard to the industry. The ASTM standards are not intended to represent or replace the standard of care by which the adequacy of a given professional service must be judged.

Services Beyond ASTM/AAI Standards

The ASTM standard specifically identifies the services listed in the table below as Non-Scope Activities (i.e., not within the standard scope of work). As such, the evaluation of these factors is considered an additional service. Any non-scope items requested by the User, to be performed in conjunction with the assessment, are identified below. The specific scope of work for any requested additional services performed is documented in Section 7.0.

| Non-Scope Activities | Performed | Not Requested |
|---|---|---|
| Asbestos-Containing Building Materials | | X |
| Radon | | X |
| Wetlands | | X |
| Regulatory Compliance | | X |
| Industrial Hygiene | | X |
| Ecological Resources | | X |
| Indoor Air Quality | | X |
| Lead-based Paint | | X |
| Mold | | X |
| Lead in Drinking Water | | X |
| Cultural and Historic Resources | | X |
| Health and Safety | | X |
| Endangered Species | | X |
| Biological Agents | | X |

Deviation from Scope of Services

There have been no deviations from the established Scope of Services during the performance of this PESA.

However, at the writing of this report, IEPA has not been responsive to Freedom of Information Act requests for records. While V3 is still in the process of trying to obtain them from IEPA, the requested records have been deemed to not be "reasonably ascertainable" under the ASTM Standard.

### 2.3 Assumptions, Limitations & Exceptions

Assumptions, Limitations and Exceptions are documented in Appendix XI.

### 2.4 Special Terms and Conditions

V3 is not affiliated with the borrower or any other parties to this transaction. This PESA report is intended to be used in its entirety. No portion of it may be deleted or used out of context without the written consent of V3. The opinions and information contained in this report are time sensitive and represent our evaluation of the environmental site conditions at the time the services were provided. This report was prepared for a limited use involving a single transaction, as set forth herein, and may not be used for any other purpose without the written consent of V3.

Both the ASTM and AAI standards identify certain individuals as having specific obligations related to completion of the ESA process, as noted below:

> *User* - the party seeking to use Practice E 1527-05 to complete an environmental site assessment of the property. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.
>
> *Environmental Professional (EP)* – a person who possesses sufficient specific education, training, and experience necessary to exercise professional judgment or develop opinions and conclusions regarding conditions indicative of releases or threatened releases on, at, in, or to a property, sufficient to meet the objectives and performance factors specified in the ASTM standard.

The following table identifies the responsibilities of these individuals relative to the execution of the PESA. The User is identified later in this report, and information provided by this individual is included and identified within this PESA report.

| AAI Component | User | EP |
|---|---|---|
| Inquiry | | X |
| Visual Inspections | | X |
| Interviews | | X |
| Reviews of Historical Sources | | X |
| Reviews of Government Records | | X |
| Search for Environmental Cleanup Liens | X | |
| Consider "specialized knowledge" | X | |
| Consider relationship of purchase price to fair market value of property, if contaminated | X | |
| Consider "commonly known" information | X | X |
| Consider "degree of obviousness of contamination" | X | X |

## 2.5 User Reliance

This report has been prepared on behalf of Village of Villa Park and may not be relied upon or disseminated to any third person or entity, other than project affiliated roadway jurisdictions (e.g., State Departments of Transportation) and/or a commercial financial institution or other lender providing financing for the acquisition or improvement of the Project Site, as of the date of this report. Use of this report by any third party or entity is expressly prohibited without the written authorization of Village of Villa Park and V3. As a condition precedent to such use, such third party or entity shall agree to be bound by the same contractual terms as those between V3 and Village of Villa Park, including those regarding indemnification and limitation of liability.

## 2.6 Definitions and Acronyms

A list of definitions and acronyms pertinent to the AAI/ASTM ESA process are provided in Appendix X.

## 2.7 Published References

The following published documents are referenced in relationship to the execution of this PESA:

ASTM Standards:

*E 1527-05 Standard for Phase I Environmental Site Assessments*

Federal Statutes:

*Comprehensive Environmental Response, Compensation, and Liability Act of 1980 ("CERCLA" or "Superfund"), as amended by Superfund Amendments and Reauthorization Act of 1986 ("SARA") and Small Business Liability Relief and Brownfields Revitalization Act of 2002 ("Brownfields Amendments"), 42 U.S.C. §§9601 et seq.*

*Freedom of Information Act, 5 U.S.C. §552, as amended by Public Law No. 104-231, 110 Stat. 3048*

*Resource Conservation and Recovery Act (sometimes also referred to as the Solid Waste Disposal Act), as amended ("RCRA"), 42 U.S.C §6901 et seq.*

USEPA Documents:

*"All Appropriate Inquiry" Final Rule, 40 C.F.R. Part 312 Chapter 1 EPA, Subchapter J-Superfund, Emergency Planning, and Community Right-To-Know Programs, 40 C.F.R Parts 300-399*

IDOT:

*A Manual for Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects*

Additional documents reviewed as part of this assessment are identified in the appropriate sections of this report.

# 3.0 SITE DESCRIPTION AND OWNERSHIP

The following subsections are a compilation of information obtained from the site visit, interviews with knowledgeable individuals, and/or documents and records pertaining to the site property and/or operations. Additional descriptions regarding site conditions are provided in

Section 6.0, Site Reconnaissance and Interviews. A Site Location Map is provided as Figure 1, a Site Features Map as Figure 2, and Regulatory Details Map as Figure 3.

### 3.1 Location and Legal Description

The Project Site is owned by the Village of Villa Park and incorporates areas within the North Ardmore Avenue right-of-way where the Village is planning to design and construct streetscape enhancements. The Project Site is located along North Ardmore Avenue from the Metra Station/Union Pacific West Line tracks north to Vermont Street, a distance of approximately 600 feet, and North Ardmore Avenue from West Ridge Road to West Schiller Street, a distance of approximately 1,100 feet. The sidewalk construction limits include the property along the east side of North Ardmore Avenue at the south segment of the project and along the west side of Ardmore Avenue at the north segment of the project. Sidewalk construction near the Ardmore Avenue Bridge over the Canadian National Railway may involve embankment construction to support the sidewalk as well as the installation/relocation of guard rail. Streetscape enhancements along both segments of the project will include gateway features (signage, landscaping, irrigation, water fountains), ornamental pedestrian street lights, hardscape features, landscaping, wayfinding and regulatory signage.

### 3.2 General Characteristics of Site Vicinity

The Project Site is located in a mixed use area consisting of commercial, industrial and residential development. See Section 6.11 for more detailed information.

### 3.3 Description of Site Structures, Road and Other Improvements

The Project Site consists of the green space areas and paved sidewalk within the North Ardmore Avenue right-of-way. No structures are located on the Project Site.

## 4.0 USER PROVIDED INFORMATION

Under the ASTM standard, the User is defined as “the party seeking to use Practice E 1527-05 to complete an environmental site assessment of the property”. A User may include, without limitation, a potential purchaser of property, a potential tenant of property, an owner of property, a lender, or a property manager.” In the context of this PESA, the User is the Village of Villa Park. The ASTM standard specifies that the User is required to identify any special terms and conditions which must be agreed upon by the EP prior to the initiation of the ESA. In addition, the User must provide specific information to the EP during the performance of the PESA, and is required to complete a questionnaire related to their individual knowledge of environmental issues at the site. The questionnaire, completed by the User, is provided in Appendix IV. Any previous reports provided by the User are documented in Section 5.4. Other pertinent information obtained from the User is documented in appropriate sections of this report.

## 5.0 RECORDS REVIEW

### 5.1 Records Pertaining to Physical Setting

A variety of data pertaining to the physical setting of the site property is provided in the “Geocheck” section of the EDR report in Appendix VI. Additional data was obtained through observations made during the site visit and a review of maps and other published documents identified below. The physical setting of the site is summarized as follows:

| | |
|---|---|
| **USGS Topographic Map** | 1997 Elmhurst IL, 7.5 Minute |
| **Property Elevation** | 680-700ft above mean sea level |
| **Surface Topography** | Gently rolling with a general slope downward to the east, northeast |
| **Regional Topography** | The regional topography appears to slope in a general easterly direction. |
| **Site Features** | The area of the site is shaded red indicating it is located in an area of concentrated urban development. |

Regional/Local Geology: Based on a review of the geological map entitled Potential for Contamination of Shallow Aquifers in Illinois: Ill. GS Circular 532, 30 p., Berg, R.C., Kempton, J.P., and Cartwright, K. 1984, the predominant soil type in the area of the site is comprised of the following:

Type E soil, which is "Uniform, relatively impermeable silty or clayey till at least 50 feet thick; no evidence of interbedded sand and gravel".

Hydrogeology: Based on regional topography and physical setting, site groundwater flow within the near surface sediments is assumed to follow topography and would likely flow to the east in the general direction of Salt Creek.

### 5.2 State and Federal Database Search

An ASTM radius search was performed by Geo Search, which obtains updated environmental database information from state and federal agencies. The following sections provide a summary of the database information related to the Project Site and nearby sites that are have the EDRhest potential to impact the Project Site. Based on geologic conditions and/or regulatory status, V3 determined that the remaining sites are considered unlikely to impact the Project Site. The complete list of databases reviewed by EDR and a summary of their results are provided in EDR's report in Appendix VIII.

V3 submitted formal requests to the IEPA for additional information on listings that have a potential to impact the Project Site as identified in Section 5.2.2. Copies of the requests are included in Appendix VII. The information was not received at the time of this writing. In the event that V3 receives the information in a timely manner, the file documents will be reviewed and used for the development of a soil boring and sampling plan.

#### 5.2.1 Subject Site

The subject site (i.e. Village-owned right-of-way) was not listed in EDR's database report.

#### 5.2.2 Adjoining and Nearby Properties

V3 identified the following adjoining/nearby properties that have a potential to impact the Project Site.

| | | | |
|---|---|---|---|
| **Facility Name:** | Auto Ride Cab (Villa Auto Haus) | | |
| **Address:** | 726 N. Ardmore Ave. | | |
| **UST** | 6,000 gal gas last used in 1980; 300 gal used oil, date last used was not reported | **Status** | Tanks removed (date not listed); release not listed |
| **Visual observations** | Evidence of an UST was not observed. | | |
| **Comments:** | Based on the apparent age of the USTs, and that fact that they were present and removed from the property during a time frame when they were not regulated by the OSFM, the former USTs represent evidence of a REC in connection with the Project Site. | | |

| | |
|---|---|
| **Facility Name:** | Car Care Collision Center |

| | | | |
|---|---|---|---|
| **Address:** | 724 N. Ardmore Ave. | | |
| **RCRA:** | CESQG; historical SQG | **Status** | Violations not identified |
| **Visual observations** | Active body shop; no evidence of chemical storage was observed near the Project Site during the site area walkover. | | |
| **Comments:** | Based on the long term use as an automotive body repair shop and the close proximity, hazardous waste generation at this facility it represents evidence of a REC in connection with the Project Site. | | |

| | | | |
|---|---|---|---|
| **Facility Name:** | Commercial Building/Robert R. Burton | | |
| **Address:** | 714 N. Ardmore Ave. | | |
| **UST/LUST:** | (1) 1,000 gal. gas last used in 1973; exempt from registration; LUST gas release in 1999 | **Status** | The LUST incident was assigned #992567. An NFR was recorded 02/12/200. |
| **Visual observations** | Evidence of a UST was not observed | | |
| **Comments:** | Although the release associated with the UST was closed with an NFR, based on the close proximity, there is a potential for residual contamination to be present at the Project site. Therefore, the former UST and LUST incident represents evidence of a REC in connection with the Project Site. | | |

| | | | |
|---|---|---|---|
| **Facility Name:** | Johnson & Bartels Cement Co. (currently vacant) | | |
| **Address:** | 708 N. Ardmore Ave. | | |
| **UST/LUST:** | (1) 1,000 gal. gas installed in 1960 & last used in 1973; exempt from registration; LUST gas release in 2004 | **Status** | The LUST incident was assigned #200441782. An NFR was recorded 05/25/2005. |
| **SPILLS** | Incident 20041782 occurred on 12/22/2004 | **Status** | Not listed |
| **Visual observations** | Evidence of a UST was not observed | | |
| **Comments:** | Although the release associated with the UST was closed with an NFR, based on the close proximity, there is a potential for residual contamination to be present at the Project site. In addition, the nature and status of the SPILL incident could not be determined. Therefore, the former UST, LUST incident and SPILL incident represent evidence of a REC in connection with the Project Site. | | |

| | | | |
|---|---|---|---|
| **Facility Name:** | Major Prime Plastics | | |
| **Address:** | 649 N. Ardmore Ave. | | |
| **UST/LUST:** | 10,000 gal. installed in 1980, last used in 1998 | **Status** | UST was removed (date unknown); no release listed |
| **RCRA:** | CESQG | **Status** | No violations found |
| **SRP** | US IEPA ID ILR000049692 | **Status** | Not listed |
| **Visual Observations** | Evidence of a UST or chemical storage not observed. | | |
| **Comments** | Based on the age of the UST, and that fact that it was active on the property during a time frame when they were not regulated by the OSFM, the former UST represents evidence of a REC in connection with the Project Site. Additionally, the open SRP status represents evidence of a REC. | | |

| | | | |
|---|---|---|---|
| **Facility Name:** | Millie's Cleaners/Ardmore Laundromat | | |
| **Address:** | 414 & 416 N. Ardmore Ave. | | |
| **EDR Historical Cleaners:** | Millie's from 1971-2002<br>Ardmore Laundromat 1999-2004<br>Leisure Time Laundry 2012 | **Status** | The site is currently a Laundromat with no apparent dry cleaning operations. |
| **Visual observations** | No evidence of dry cleaning operations observed; no evidence of subsurface investigation (patching indicative of borings,/monitoring wells). | | |
| **Comments:** | Apparent long-term historical dry-cleaning operation represents evidence of an REC. | | |

| | |
|---|---|
| **Facility Name:** | Sannasardo & Zenzola Partnership (former Standard Oil service station) |

| | | | |
|---|---|---|---|
| **Address:** | 415 N. Ardmore Ave. | | |
| **SRP:** | IEPA #0430805155; focused | **Status** | NFR 12/10/2003; worker caution, groundwater use restriction, asphalt barrier/building foundation, |
| **Visual observations** | Current multi-tenant commercial building; no visual evidence of a REC was identified. | | |
| **Comments:** | Based on the presence of contamination in the soil and groundwater, and the worker caution, this SRP site represents evidence of a REC in connection with the Project Site. | | |

| | | | |
|---|---|---|---|
| **Facility Name:** | Tyler's Auto Repair & Towing (current vacant parcel) | | |
| **Address:** | 351 N. Ardmore Ave. | | |
| **UST/LUST:** | (2) Gasoline USTs, (1) heating oil and (1) used oil UST were last used in 1972 and exempt from registration. Release of fuel oil was reported in 1999 (Incident #990368). | **Status** | The status of the USTs is not listed; an NFR for the LUST release is recorded on 07/03/2000; Eng or inst. controls were not listed for this incident. |
| **Visual observations** | The west side of the property is primarily covered by manicured grass. | | |
| **Comments:** | Based on a review of historical aerial photographs, site usage included an automotive repair operation that appeared to be significant. Since this facility has not been in operation for several years, it was not listed as a current RCRA generator. Based on the long term use of the facility for auto repair and fueling, during a time frame when chemicals, wastes and USTs were not rigorously regulated, the USTs and chemical/waste activity at this site represents evidence of a REC. | | |

### 5.3 Local Records

Additional state agency records maintained on the internet were reviewed as determined useful. Relevant information is incorporated into appropriate sections of this report.

### 5.4 Previous ESA and/or Site Investigation Reports

Previous environmental reports were not provided.

### 5.5 Title Records

Title records or a search for environmental liens and activity and use limitations (AULs) was not performed as part of this assessment.

### 5.6 Historical Records Review

#### 5.6.1 Records Reviewed

Multiple historic sources were reviewed to gain an understanding of the site history, including standard ASTM E1527-05 historical sources. In accordance with the standard, those sources that were both easily attainable and available within project constraints, and/or that were judged likely to be useful for the purposes of this study, are listed on the following table. Copies of these documents are provided in the appropriate Appendices.

| REVIEWED STANDARD HISTORICAL SOURCES | | | |
|---|---|---|---|
| **Historical Document** | **Reasonably Ascertainable/ Available** | **Source/dates (if applicable)** | **Comments** |
| **Aerial Photographs** | Yes | Environmental Date Resources, Inc.(EDR), Historic Aerials and Google Maps (1939-2012) | Limited in usefulness due to scale/resolution |

| | | | |
|---|---|---|---|
| **Fire Insurance Maps** | N/A | EDR | No map coverage |
| **Property Tax Files** | N/A | | Not considered useful |
| **Recorded Land Title Records** | N/A | | Not available |
| **Topographic Maps** | Yes | EDR (1901-1997) | Limited in usefulness due to scale/resolution |
| **Local Street Directories** | Yes | EDR (1971-2009) | |
| **Regulatory Records** | Yes | EDR | Section 5.2 and Section 5.3 |
| **Interviews** | N/A | | |
| **Other Historical Data** | N/A | | |

N/A - Not Applicable

### 5.6.2 Past Use of the Subject Site and Adjoining Properties

Based on review of the available sources/records reviewed, historical uses of the site are identified below:

N. Ardmore Ave: Schiller St. South to the bridge

| | |
|---|---|
| **1901-1946** | The project area is primarily agricultural. |
| **1952-1962** | 708 N. Ardmore Ave. (cement company) and 714 N. Ardmore Ave. (light industrial) are present in 1954; 726 (Current Villa Auto Haus) is present in 1962. Structures are not yet present on the property immediately east of N. Ardmore Ave. |
| **1971-2013** | Light industrial buildings/operations are present along the east and west sides of N. Ardmore Ave. Based on a review of the city directories/historical aerial photographs, the historical use of the following addresses and associated facilities operating during this timeframe represent evidence of a REC in connection with the Project Site:<br>726 N. Ardmore Ave: Suburban Driveways; Auto Care; Auto Ride Cab; Villa Auto Haus<br>724 N. Ardmore Ave: Master Craft Auto; Ardmore Auto Sales; Car Care Collision Center<br>714 N. Ardmore Ave: Rite Way Contactors Equipment; Ardmore Auto Sales; (currently vacant)<br>712 N. Ardmore Ave: Johns Auto Repair; Allied Garage<br>708 N. Ardmore Ave: Bartels Company; (currently vacant)<br>649 N. Ardmore Ave: FMC Corp. Chemical Division; Major Prime Plastics<br>12 E. Hill: Industrial building present from 1988-2013; Current Villa Farms.<br>In addition, the property on the northeast side of the project site (no address) appears as a construction yard from 1971 to 2013. |

N. Ardmore Ave: South of the Bridge to W. Ridge Rd.

| | |
|---|---|
| **1901-1946** | The project area is primarily agricultural. |
| **1952-2013** | The project area is developed residential. |

N. Ardmore Ave: W. Vermont Street south to W. Terrace St.

| | |
|---|---|
| **1901-1946** | The project area is primarily agricultural. |
| **1962-2013** | Development is apparent along both sides of N. Ardmore Ave. Based on a review of the city directories/historical aerial photographs, the historical use of the following addresses and associated facilities operating during this timeframe represent evidence of a REC in connection with the Project Site:<br>414/416 N. Ardmore Ave: Millie's Cleaners 1971-2001<br>415 N. Ardmore Ave: Standard Oil (Service Station) 1962-1977<br>351 N. Ardmore Ave: Tyler's Citgo & Auto Repair & Towing 1962-2007 |

Based on V3's review of the historical information, in conjunction with the regulatory review and observations made during the site walkover, the historical use of the following properties have a

potential to impact the Project Site and represent evidence of a REC in connection with the Project Site:

- 726 N. Ardmore Ave: Villa Auto Haus
- 724 N. Ardmore Ave: Car Care Collision Center
- 714 N. Ardmore Ave: Former Rite Way Contactors Equipment & Ardmore Auto Sales (currently vacant)
- 712 N. Ardmore Ave: Allied Garage Door
- 708 N. Ardmore Ave: Former Bartels Company; (currently vacant)
- 649 N. Ardmore Ave: Major Prime Plastics
- 12 E. Hill St: Villa Farms.
- NEC Schiller St. & Ardmore Ave. (no address): construction yard
- 414/416 N. Ardmore Ave: Laundromat (former Millie's Cleaners)
- 415 N. Ardmore Ave: Multi-tenant commercial building; former Standard Oil Service Station
- 351 N. Ardmore Ave: Currently vacant; former Tyler's Citgo & Auto Repair & Towing

## 6.0 SITE RECONNAISSANCE AND INTERVIEWS

Ms. Margie Lathrop of V3 Companies, Ltd. conducted a visual evaluation of the subject property on January 22, 2013. The purpose of the field inspection was to observe the site for conditions that imply potential environmental impact. Such conditions might include signs of stressed vegetation, stained soil, uncontrolled dumping, the presence of underground storage tanks, or indications of a release of hazardous wastes and/or regulated substance(s). The field inspection included observations of adjoining properties from the site or surrounding roads. Ms. Lathrop was unaccompanied during the field inspection. Photographic documentation of V3's field inspection is provided in Appendix II.

### 6.1 Limiting Conditions Regarding Methodology

No limiting conditions were encountered relative to the performance of site reconnaissance activities.

### 6.2 Site Utilities

Various buried and overhead utility lines are present on the site. However, there are no structures on the site that are actively using utility service.

### 6.3 Raw Material Use and Storage

Raw material use or storage was not observed.

### 6.4 Special or Hazardous Wastes

Special or hazardous waste was not observed.

### 6.5 Solid Waste Disposal

Solid waste was not observed, other than *de minimis* domestic litter.

### 6.6 Wastewater

Wastewater is not generated at the site.

### 6.7 Drains or Sumps

Storm water surface drains were observed in various areas of the Project Site. No evidence of a REC was identified.

### 6.8 Underground and Aboveground Storage Tanks (USTs & ASTs)

Evidence of USTs or ASTs was not observed on or immediately adjacent to the Project Site.

### 6.9 Polychlorinated Biphenyls (PCBs)

Equipment that potentially contains PCBs was not observed during V3's site visit.

### 6.10 Pits, Ponds or Lagoons

Pits, ponds or lagoons were not observed on the property.

### 6.11 Other Conditions of Concern

No other areas or conditions of concern were noted.

### 6.12 Adjacent Properties

Section 5.4.2 provides information relative to the historical use of land surrounding the site. Observations of the adjacent properties were made from the site property and from public thoroughfares. Adjacent properties are identified on the Detailed Regulatory Map Figure 3A and Figure 3B. Adjacent properties identified in the State and Federal Regulatory Review (Section 5.2.2) or as a concern historically (Section 5.6.2) are listed below along with a summary of V3's visual observations.

N. Ardmore Ave: Schiller St. South to the bridge
Light Industrial facilities were observed along the east and west sides of N. Ardmore Ave. Evidence of current USTs, chemical storage, stained soils, environmental sampling (i.e. soil borings or monitoring wells), dumping or other environmental concerns were not observed immediately close to the Project Site.

N. Ardmore Ave: South of the Bridge to W. Ridge Rd
Residential properties were observed along the east and west side of N. Ardmore Avenue. Evidence of USTs, chemical storage, stained soils, dumping or other environmental concerns were not observed immediately close to the Project Site.

N. Ardmore Ave: W. Vermont Street south to W. Terrace St.
Commercial retail and residential development was observed along the east and west side of N. Ardmore Street. Evidence of a current dry cleaning operation was not observed at 414/416 Nr. Ardmore Ave. V3 also observed the now vacant parcel where the former Tyler Auto Repair Towing was located. Evidence of current USTs, chemical storage, stained soils, environmental sampling (i.e. soil borings or monitoring wells), dumping or other environmental concerns were not observed immediately close to the Project Site.

### 6.13 Individuals Interviewed

Interviews were not conducted as part of this assessment.

## 7.0 ASTM E1527 NON-SCOPE ITEMS

Issues such as asbestos, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality and high voltage power lines are beyond the scope of ASTM E 1527. Such services are considered additional non-scope services and have not been formally investigated in this assessment.

## 8.0 FINDINGS, OPINIONS & CONCLUSIONS

V3's evaluation of all identified environmental concerns regarding the site is summarized in this section. The following provides a summary of the results of this investigation.

### 8.1 Recognized Environmental Conditions

A *Recognized environmental conditions* (REC) is defined by ASTM E1527-05 as "the presence or likely presence of any *hazardous substances* or *petroleum products* on a *property* under conditions that indicate an existing release, a past release, or a material threat of a release of any *hazardous substances* or *petroleum products* into structures on the *property* or into the ground, groundwater, or surface water of the *property*. The term includes *hazardous substances* or *petroleum products* even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be *de minimis* are not *recognized environmental conditions*." (Italics denote terms with specific ASTM definitions).

This assessment has revealed no evidence of recognized environmental conditions in connection with the Project Site except for the following:

- 726 N. Ardmore Ave: Villa Auto Haus – former UST site; long term historical industrial use in close proximity to the Project Site.
- 724 N. Ardmore Ave: Car Care Collision Center – RCRA generator; long term historical industrial use in close proximity to the Project Site.
- 714 N. Ardmore Ave: Former Rite Way Contactors Equipment & Ardmore Auto Sales (currently vacant) – UST/LUST site; long term historical industrial use in close proximity to the Project Site.
- 712 N. Ardmore Ave: Allied Garage Door – Long term historical industrial use in close proximity to the Project Site.
- 708 N. Ardmore Ave: Former Bartels Company (currently vacant) – UST/LUST site; RCRA generator; SPILLS site; long term historical industrial use in close proximity to the Project Site.
- 649 N. Ardmore Ave: Major Prime Plastics – UST/LUST site; RCRA generator; SRP site; long term historical industrial use in close proximity to the Project Site.
- 12 E. Hill St: Villa Farms – Long term historical industrial use in close proximity to the Project Site.

- NEC Schiller St. & Ardmore Ave. (no address): construction yard – Long term historical industrial use in close proximity to the Project Site.
- 414/416 N. Ardmore Ave: Laundromat; former Millie's Cleaners (assumed former dry cleaner operation).
- 415 N. Ardmore Ave – Multi-tenant commercial building; former Standard Oil Service Station; SRP site with groundwater use restriction, asphalt/building foundation barrier & worker caution.
- 351 N. Ardmore Ave – Currently vacant; former Tyler's Citgo & Auto Repair & Towing; UST/LUST site.

## 8.2 Historic Recognized Environmental Conditions

An historic recognized environmental condition (HREC) is an environmental condition which in the past would have been considered a *recognized environmental condition*, but which may or may not be considered a *recognized environmental condition* currently.

- HRECs were not identified.

## 8.3 Identified Data Gaps

Under the ASTM/AAI standards, if *data gaps* are identified during the ESA process, the EP must comment on their significance and whether such gaps affect the overall findings. Data gaps *"*are a lack of or inability to obtain information required by the standards and practices listed in the regulation despite good faith efforts by the "Environmental Professional (EP)" or The User to gather such information." A *data gap* is significant if other information and/or professional experience raises reasonable concerns involving the "*data gap*."

The following data gaps were identified, but have <u>not</u> been deemed significant:

- Information regarding the chain-of-title ownership history or environmental liens recorded against the Project Site was not provided by the User. Environmental lien searches were not conducted as part of the scope of work for this Project.
- The "User" Questionnaire was not provided for this assessment.

# FIGURES



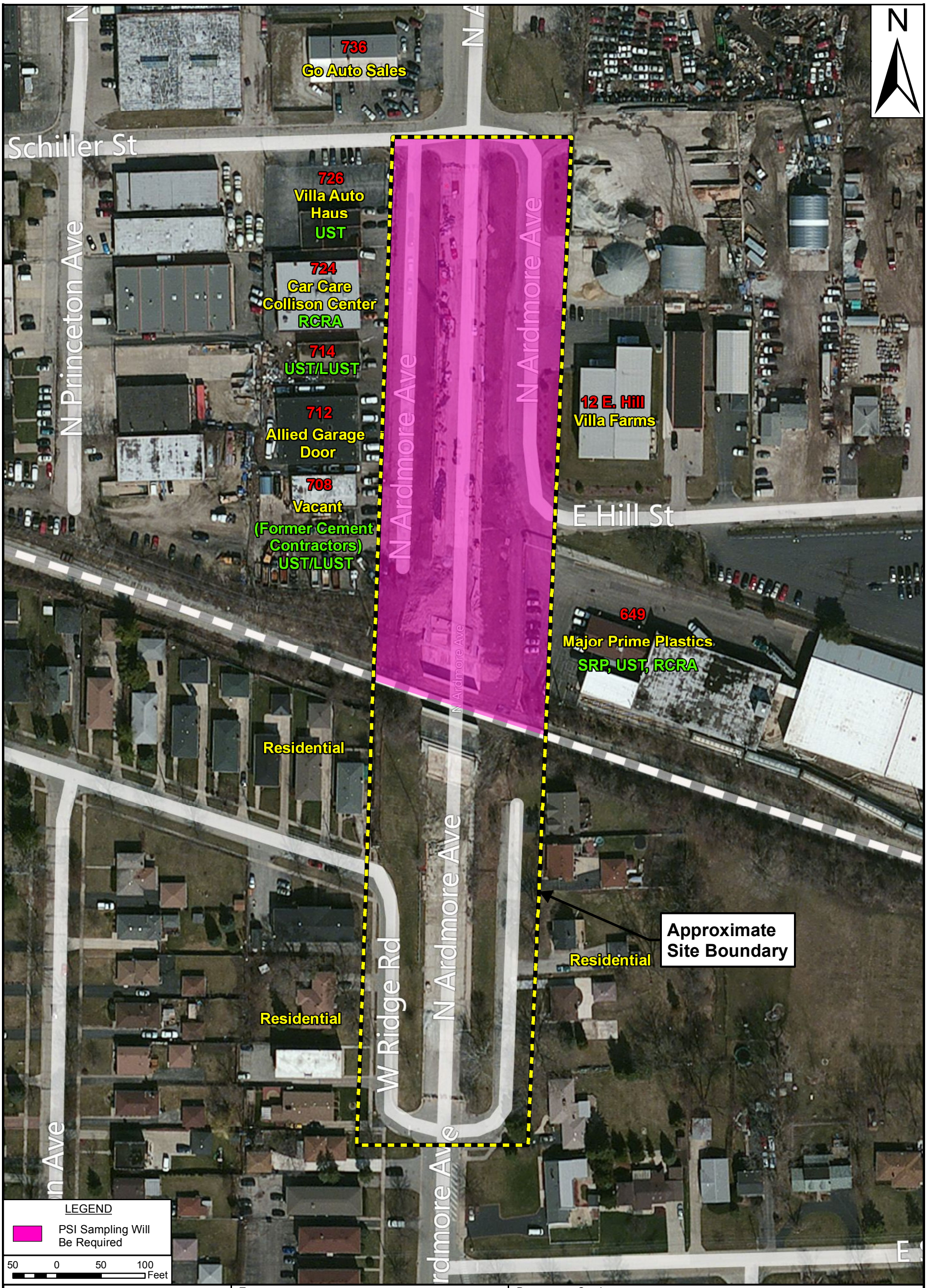

V3 Companies
7325 Janes Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

| | | | |
|---|---|---|---|
| TITLE: **Site Vicinity Map** | PROJECT AND SITE LOCATION: **Ardmore Streetscape Project North Ardmore Street Villa Park, Illinois** | | |
| BASE LAYER: USGS Topograhic Map (1997) | PROJECT NO. 12172 | FIGURE: 1 | SHEET: 1 OF: 1 |
| CLIENT: **Village of Villa Park 20 South Ardmore Avenue Villa Park, Illinois 60181** | QUADRANGLE: Elmhurst, IL | DATE: 01/08/12 | SCALE: See Scale Bar |

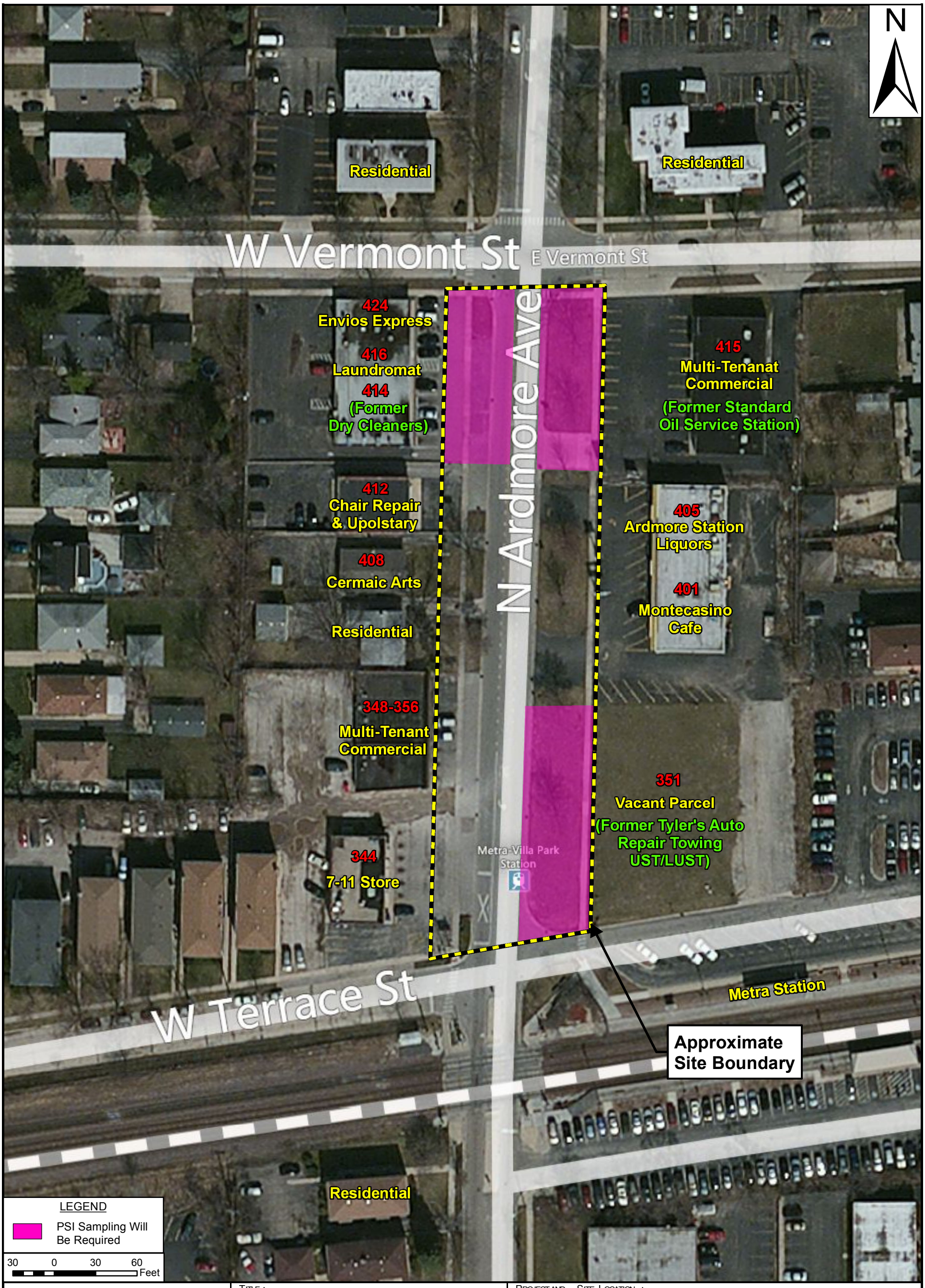



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www.v3co.com

| | | | |
|---|---|---|---|
| TITLE: **Site Features Map** | PROJECT AND SITE LOCATION: **Ardmore Streetscape Project<br>North Ardmore Street<br>Villa Park, Illinois** | | |
| BASE LAYER: Microsoft Bing Maps (2012) | PROJECT NO. 12172 | FIGURE: 2 | SHEET: 1 OF: 1 |
| CLIENT: **Village of Villa Park<br>20 South Ardmore Avenue<br>Villa Park, Illinois 60181** | QUADRANGLE: N/A | DATE: 01/08/12 | SCALE: See Scale Bar |




| | | | | |
|---|---|---|---|---|
| V3 Companies<br>7325 Janes Avenue<br>Woodridge, IL 60517<br>630.724.9200 phone<br>630.724.9202 fax<br>www.v3co.com | TITLE : **Site Details Map** | PROJECT AND SITE LOCATION : **Ardmore Streetscape Project<br>North Ardmore Street<br>Villa Park, Illinois** | | |
| | BASE LAYER : Microsoft Bing Maps (2012) | PROJECT NO. 12172 | FIGURE : 3a | SHEET : 1<br>OF : 1 |
| | CLIENT : **Village of Villa Park<br>20 South Ardmore Avenue<br>Villa Park, Illinois 60181** | QUADRANGLE : N/A | DATE : 01/11/13 | SCALE : See Scale Bar |




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www.v3co.com

| | | | |
|---|---|---|---|
| TITLE : **Site Details Map** | PROJECT AND SITE LOCATION : **Ardmore Streetscape Project North Ardmore Street Villa Park, Illinois** | | |
| BASE LAYER : Microsoft Bing Maps (2012) | PROJECT NO. 12172 | FIGURE : 3b | SHEET : 1 OF : 1 |
| CLIENT : **Village of Villa Park 20 South Ardmore Avenue Villa Park, Illinois 60181** | QUADRANGLE : N/A | DATE : 01/11/13 | SCALE : See Scale Bar |

# APPENDIX I

QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS PARTICIPATING IN ESA

# Margie Lathrop
## Environmental Due Diligence Manager

### YEARS OF EXPERIENCE

With V3: 9
Other: 25

### EDUCATION

Bachelor of Science
Environmental Health
Ferris State University

### PROFESSIONAL ASSOCIATIONS

Commercial Real Estate Executive Women (CREW)

Association of Environmental Health and Sciences (AEHS)

Lake Michigan Air & Waste Management Association (AWMA)

National Association of Industrial and Office Properties (NAIOP)

Urban Land Institute (ULI) of Chicago

Ms. Lathrop directs V3's Due Diligence Practice within the Environmental & Geosciences Group. She has been assessing environmental conditions for over 33 years with experience as a regulator and in private consulting. She provides expert consultation to developers, lenders, real estate firms and municipalities. Her primary focus for the group is on the evaluation of properties through the performance of ASTM Phase I and Phase II Environmental Site Assessments. She also works with numerous communities and private clients in researching Brownfield sites relative to historic legacy and potential for reuse. Ms. Lathrop is responsible for client management, project scoping, budgeting, technical oversight and senior technical review.

## NOTEWORTHY PROJECT EXPERIENCE

**Preliminary Environmental Site Assessments, Various Locations -** Ms. Lathrop provides environmental consultation for various road construction and streetscape projects providing assistance to roadway jurisdictions, public works departments, developers and utility companies. She manages environmental concerns on transportation and infrastructure projects performing Special Waste Screening, Preliminary Environmental Site Assessments (PESAs), Preliminary Site Investigations (PSIs), Special, hazardous waste determinations, waste profiles & disposal facility acceptance, CCDD "Uncontaminated Soil" certifications, soil management strategies, construction observation & field screening, cleanup strategies. List of projects:

- 143rd Street, Lemont Road to Bell Road, client - Will County Highway: PESA
- 143rd & LaGrange Intersection & Roadway Improvements; client – LaGrange?: Construction observation & screening; cleanup strategies, soil management.
- Greenwood and Glenview Roads, client and location - Village of Glenview: construction observation & screening; soil management; cleanup strategies
- Joe Orr Road Project, Lynwood; client - Robinson Engineering: PESA
- Church Road Expansion; client – city of Aurora: PESA
- Route 30 Road Project, Frankfort; client – Archon Construction: CCDD Evaluation
- Route 83, Lake Villa; client – Archon Construction: CCDD evaluation
- Main Street (IL Rt. 64), 7th Avenue to Dunham Road, St. Charles; client – Archon Construction: CCDD
- Batavia Streetscape, Batavia; client – Archon Construction; CCDD evaluation

**Ashland & Pershing: Special Waste Screening, PESA & PSI, Chicago, IL -** Ms. Lathrop prepared a Preliminary Environmental Site Assessment (PESA) for the Illinois Department of Transportation (IDOT) and the Chicago Department of Transportation (CDOT) Project known as Ashland-Pershing. This environmental assessment has been conducted under the guidance and protocols of Illinois State Geological Survey "*A Manual for Conducting Preliminary Environmental Site Assessments for Illinois Department of Transportation Highway Projects (Erdmann et al. 1996)*. The PESA report was prepared for the purpose of identifying environmental risks and liabilities related to worker protection and public safety and to avoid delays by operating in an efficient and cost effective matter by identifying environmental conditions that could impact the highway project.

CDOT is planning the demolition of the Ashland Avenue Viaduct over Pershing Road located in Chicago, Cook County, Illinois. The PESA was prepared for CDOT and comprises a report of natural and man-made hazards that may be encountered on or along the ROW. The report identifies and evaluates potential and actual occurrences of regulated substances and natural hazards. The compiled information of the Interim PESA Report prepared by Ms. Lathrop (V3 – February 17, 2009) was used to establish the scope of work for the subsequent subsurface soil investigation.

**Phase I/Phase II Environmental Site Assessments for Property Transactions –** Ms. Lathrop has a professional knowledge of the ASTM Standard and is able to provide experienced consulting to a buyer, seller or lender concerning recognized environmental conditions. She is acutely aware of the environmental issues associated with property transfers and can assist the client with problem solving and solutions. Ms. Lathrop is also aware of the sense of urgency that is often associated with the purchase of properties and can accommodate the clients expedited needs. She has managed many large portfolio projects with sites located in many areas of the country.

**Brownfield/Urban Redevelopment Sites –** Ms. Lathrop has assisted private developers and local municipalities with the redevelopment of properties that have had a multiplicity of environmental issues. She has performed numerous subsurface investigations following through to clean-up and redevelopment. Ms. Lathrop has worked with the regulatory agencies on a local, county, state and federal level to bring clean-up issues to a close. She has also prepared grant submittals to the state and federal agencies, successfully obtained grant funding, and assisted in the management of the funding for the municipalities.

**Underground Storage Tanks –** Ms. Lathrop has managed numerous UST and LUST sites since 1987. She has prepared contractor bid specifications and assisted the client for the selection of a contractor to install and/or remove USTs systems. She has managed the field operations, working with the contractor and the local and state fire departments. Ms. Lathrop assists clients with the necessary reporting requirements in the event of a LUST release, managing the field investigations, LUST reimbursement billing and negotiating with the regulatory agency to achieve site closure.

**Landfill Sites –** As a regulator Ms. Lathrop managed the regulatory compliance for landfills, which included reviewing landfill specifications, and implementing regulatory inspections. As a consultant she has prepared environmental impact studies and subsurface investigations for proposed landfills. Ms. Lathrop has also managed groundwater monitoring programs for closed and open landfills.

**Representative Phase I and Phase II ESA Project Experience**

**First Industrial Realty Trust, Inc., Midwest & Southeast Regions –** Ms. Lathrop has performed numerous Phase I and Phase II Environmental Site Assessments for industrial sites including heavy manufacturing plants and warehouses, and warehouse and transportation centers, trucking and automotive repair facilities, abandoned quarries and landfills. Ms. Lathrop has provided environmental consultation, supplying the client with critical information to assist in its purchase, resale, lease or lease-back of properties and/or property dispositions related to real estate investment trusts.

**National City Bank (NCB) – Special Assets, Springfield, Illinois –** Ms. Lathrop has provided environmental consultation for distressed loans for NCB to help reposition properties for resale. One of the properties assessed by Ms. Lathrop consisted of a 20-acre parcel that had been developed with several industrial faculties over an approximately 100-year period. During the Phase I ESA, recognized environmental conditions associated with USTs, historical chemical and petroleum product use and stained soils were identified. A subsequent Phase II subsurface

investigation revealed low-level of contamination, which was put into perspective considering the industrial use of the site and area. Land-use restrictions were place on the property and it was sold to an interested party.

**LaSalle Bank, N.A., USA –** Ms. Lathrop provided environmental consultation directly to the bank for numerous properties in various locations across the country. One such project consisted of a heavy industrial fermentation facility that has historically operated for over 120 years. The site consisted of approximately 15 acres with a total of approximately 500,000 square-feet of building floor space. The property previously contained over 50 buildings consisting of industrial, commercial and residential uses. Extensive historical and regulatory research was necessary for this assessment. Recognized environmental conditions included: the historical presence of a brass manufacturing facility as well as other light industrial facilities on the site; two LUST incidents; former USTs removed prior to current regulations; contaminated onsite domestic water wells; records of previous staining on exposed soils, and a release of waste oil on the property.

**Morgan Stanley, Commercial High Rise Transaction, Chicago, Illinois –** Ms. Lathrop performed a Phase I ESA on three high-rise buildings located in the Chicago Loop. The scope of work included asbestos sampling surveys. Since the buildings were constructed in the early 1900's, and the sites were developed prior to their construction, the projects involved extensive historical research.

**General Motors/ Argonaut Automotive Dealerships, Detroit, Michigan –** Ms. Lathrop managed Phase I and Phase II ESAs for three GM-owned automotive dealerships. The subsurface investigations were extensive and covered numerous concerns associate with chemical and oil spills/releases associated with drum storage, hydraulic lifts, USTs and shop maintenance activities. The results of the investigations assisted GM in repositioning the properties for resale.

**Representative Merger & Acquisitions Experience**

**British Petroleum Gas Station Sites, Illinois –** V3's client entered into contract to purchase a port folio of BP service station sites with a very short time frame to closing. Ms. Lathrop managed the preparation of 21 Phase I ESAs and delivered them to the client within three weeks. The assessments included an evaluation of the regulatory implications and liabilities and met Wells Fargo and Comerica Bank due diligence requirements. Ms. Lathrop followed up with eleven Phase II ESAs and remedial cost estimates within a five week period.

**Prudential/Panattoni Development, Chicago, Illinois –** Managed Phase I ESAs for seven industrial parks located in the greater Chicago area. The project was associated with the largest reported land transaction in the Chicago area in 2001.

**Midas, International, Illinois/Indiana/Minnesota –** Ms. Lathrop managed the port folio of Phase I ESAs for 13 Midas Muffler shops located in Illinois, Indiana and Minnesota. Ms. Lathrop also prepared Phase II ESA workplans for properties where evidence of recognized environmental conditions was indicated. These were delivered to the client within three weeks.

**Kraft Foods, Various locations –** Seven heavy industrial facilities located in the Midwest were to be sold within a short time frame. Ms. Lathrop prepared the Phase I ESAs while delivering updates to the client on a daily bases. Most of the facilities were over 50 years in age with numerous historical and current recognized environmental conditions.

**Confidential Client, Detroit, Michigan –** A Wall Street investment firm requested Ms. Lathrop to manage environmental assessments for 12 shopping malls. The original structures were built in the early 1960's, each of which formerly contained an automotive facility with USTs and a dry cleaner. Three of the shopping malls were constructed over former solid waste dumps that were discovered from a review of historic aerial photographs. Ms. Lathrop provided additional environmental consultation regarding the environmental and business-related risks to the client's lender, which allowed the client to refinance the properties.

**LaSalle Bank, N.A. –** Ms. Lathrop managed Phase I ESAs/Transactions Screens for 45 cemetery/crematory/funeral home sites that located in various states across the country. Recognized environmental conditions associated with embalming fluids, as well as UST-LUST related conditions were identified.

**VoiceStream; Illinois PCS; American Tower Corporation; Sprint PCS; Westchester Services, Various locations in Illinois and Indiana –** Ms. Lathrop has had extensive experience with multiple site Phase I ESA/Phase II ESA/NEPA projects for the purposes of cellular tower development. She established a working relationship with SHPO, US Fish & Wildlife Service and IEPA government personnel and provided expedited results to the clients to meet the demands of the industry.

**Brownfield/Urban Redevelopment Project Experience**

**Lincoln Mall Redevelopment, Matteson, Illinois –** Ms. Lathrop managed Phase I and Phase II ESAs for adjoining properties associated with the redevelopment of an aging retail mall. The assessments revealed recognized environmental conditions related to leaking USTs and historical automotive repair facilities. The assessments were followed up with remediation/mitigation of the environmental concerns utilizing a subsurface HDPE liner as a vapor barrier. In October 2008, project was awarded the *Illinois Section American Society of Civil Engineering Outstanding Civil Engineering Achievement of the Year – Under $5 Million*.

**Automotive Junk Yard, Aurora, Illinois –** Ms. Lathrop assisted a residential developer who had plans to redevelop a 33-acre site. An automotive salvage yard occupied the property for over 40 years. Results from a Phase I and Phase II ESA were used to prepare a cleanup plan and cost estimates enabling the developer to make a decision to purchase the property and negotiate the purchase price. Ms. Lathrop coordinated the cleanup of the site prior to the development of an upscale residential subdivision.

**Waste Management Truck Maintenance facility, Lombard, Illinois –** The York Center Park District anticpated redeveloping this industrial/commercial site as a municipal park with open space. Ms. Lathrop prepared a Phase I and Phase II ESAs which identified and characterized the recognized environmental conditions that would require remediation including residual petroleum hydrocarbon soil contamination related to a historical gasoline USTs and truck maintenance operations. The site was enrolled in the IEPA voluntary site remediation program and remediated utilizing the most stringent cleanup standards.

**Chrysler Corporation, Detroit, Michigan –** Chrysler Corporation purchased 900 acres (approximately 500 parcels) from the City of Detroit for the redevelopment of a new manufacturing facility. The project took over two years to complete. Many parcels contained current and historical industrial and commercial developments dating back to the 1800's. Ms. Lathrop managed Phase I ESAs on each parcel and the preparation of Phase II work plans. Ms. Lathrop was also responsible for onsite gas chromatograph analyses, subsurface soil sampling (including split spoon sampling and test pit sampling), groundwater monitoring well installation and sampling, surface water sampling, drum sampling, abandoned UST/AST sampling, indoor and outdoor air monitoring during sampling activities and soil excavating oversight. Work was performed in upgraded Level C and Level B Protective wear. Additional responsibilities included the preparation of assessment reports for the Michigan Department of Environmental Quality, project progress reports for the Construction Manager, and Health and Safety Plans for each individual parcel.

**Municipal Brownfield Grant**

**Spartans Square Shopping Center, Romeoville, Illinois –** The Village purchased a 9-acre, 40-year old commercial strip mall with the intention of building a new downtown development on the property. Ms. Lathrop managed the Phase I and Phase II ESAs that identified contamination related to an historical dry cleaner. On behalf or the Village, Ms. Lathrop entered the site into the IEPA voluntary site remediation program and is currently in the process of preparing a comprehensive site investigation report. Mr. Lathrop also prepared a grant application to obtain a USEPA cleanup grant and to receive cleanup dollars from the IEPA revolving loan fund.

# Margie Lathrop
## Environmental Due Diligence Manager

**Former Beloit Foundry, South Beloit, Illinois –** Ms. Lathrop assisted the Village of South Beloit in the assessment of three adjoining parcels to be redeveloped for commercial use. V3 obtained grant funding of $240,000 for the assessment of the properties through the Illinois Municipal Brownfield Redevelopment Grant Program. The parcels were historically occupied by a steel mill, bulk fuel storage facility and several gas stations. The Phase I ESAs, followed by Phase II ESAs, were used as bases for V3 to provide the Village with a redevelopment scenario that incorporate a risk assessment and allowed contaminated soils to remain in place. From an environmental perspective, this property can be redeveloped with minimal financial impact to the City or a buyer.

**Underground Storage Tanks**

**United States Post Office, Various locations, Michigan –** Ms. Lathrop performed subsurface investigations and report preparation for maintenance facilities where USTs were present. Many of the sites involved a release associated with USTs and were investigated/remedied through the LUST program.

**Champaign Community Unit School District #4, Champaign, Illinois –** Performed a subsurface investigation of the area of two USTs, which resulted in a reportable release. Prepared a 20-Day Report, 45-Day Report, Site Classification Plan and Budget that were approved by the Illinois Environmental Protection Agency (IEPA). Prepared specifications, conducted pre-construction meeting, and provided field oversight for the UST removals and the installation of a new UST system.

**Springfield Mass Transit District, Springfield, Illinois –** Prepared specifications and conducted bid meeting for the removal of five USTs and the installation of a new UST system. Provided oversight during the removal process in which a release was identified. Prepared the 20-Day and 45-Day Reports. Prepared the Site Classification Plan and Budget. Performed the field work and prepared a Site Classification report that was approved by the IEPA.

**Emro Marketing, Grand Prairie Energy, Shell Oil Company, Various locations, Michigan & Illinois –** Lathrop performed subsurface investigations and report preparation for numerous LUST sites.

**Landfills**

**Former Blue Island Landfill, Blue Island, Illinois –** Ms. Lathrop prepared a Phase I ESA on a 90-acre site that was first used as a brick manufacturing facility (1930s) and later as an unregulated dump for municipal, commercial and industrial wastes (1950s-1970s). Because the dump was not licensed or monitored by a regulatory agency, historical records or plans were not available. Ms. Lathrop's researched the historical use through unconventional sources and was able to obtain valuable information that was used to develop work plans for the subsurface investigation of the property and to develop a conceptual site closure plan. The redevelopment plan is to convert the 90-acre site to a modern industrial park and commercial/retail area. The site is currently enrolled in the IEPA Site Remediation Program and its redevelopment will return this blighted property to productive use and add to the City's tax base. V3 secured a $240,000 IEPA Municipal Brownfield Redevelopment Grant to fund the initial phase of work. Developers and TIF dollars will provide supplemental funds to complete the project.

**Confidential Client, Brownstown, Michigan –** Performed a Phase I ESA and an Environmental Impact Statement and subsurface investigation for a 40-acre proposed landfill site. Field work included installation of eight groundwater wells 80 feet deep with 10 feet into bedrock.

**Clair County, Michigan –** Ms. Lathrop prepared an Environmental Impact Statement for a 40-acre proposed landfill site.

**Urbana Landfill, Urbana, Illinois –** Ms. Lathrop performed groundwater monitoring for a quarterly monitoring program required for closure of the landfill.

# Keith Oswald, P.E.

## Director, Environment & Geosciences

### Years of Experience

With V3: 21
Other: 0

### Education

Masters of Business Administration (Continuing)
Keller Graduate School of Management

Master of Science
Earth Science (Candidate)
Northeastern Illinois University

Bachelor of Science
Civil & Environmental Engineering
University of Wisconsin

### Registrations

Professional Engineer:
Illinois, 062-050937, 1996

### Professional Associations

American Council of Engineering Companies, Illinois Environmental Committee

National Brownfield Association (NBA)

### Selected Continuing Education

Microconsituents and Ecological Impacts of Biosolids and Effluent Reuse, 2008

Managing Lakes and Reservoirs, 2000

Improving Illinois Water Quality – Emerging Issues, 2000

Urban Non-point Source Pollution Modeling using GIS, 1999

TMDL Training for State Practitioners, 1999

Environmental Assessment, Remediation & Brownfield Redevelopment (Various)

Fundamentals of Urban Real Estate, 2003

ESRI ArcView Geographic Information Systems Certification, 1998

Mr. Oswald is a licensed Professional Engineer with over 21 years of consulting, management and technical expertise in the areas of civil / environmental engineering and hydrogeology. As Director of Environment & Geosciences, Mr. Oswald leads the interdisciplinary geo-environmental practice area at V3. His professional focus is resolving complex issues related to the environmental impairment of land and water, land use & reuse, and the management of natural resources. As a trusted advisor working with public and private sector clients, Keith has a track record of developing innovative, practical and cost-effective solutions for managing challenging environmental issues. His experience spans remediation and Brownfield redevelopment, property divestments and acquisitions, watershed planning, natural resource management, ecological reuse, natural area restoration, and environmental permitting. In accomplishing his role, he has a strong understanding of applicable regulations and policy, maintains strong relationships with the regulatory community, and draws on extensive experience leading multi-disciplinary project teams.

## Noteworthy Project Experience

**Brownfields & Urban Redevelopment –** Implements environmental strategies that achieve client redevelopment or restoration objectives, while minimizing cleanup costs and future liabilities. Has particular expertise developing strategies to facilitate or position properties for redevelopment, designing advanced and innovative risk assessments, and implementing remediation programs. Mr. Oswald has considerable experience negotiating cleanup plans and processing sites through state Voluntary Cleanup Programs, including the Illinois Site Remediation Program. He has a decade of experience working on Brownfield grant projects under Illinois EPA and USEPA programs, and maintains positive working relationships with both Agencies. His redevelopment experience ranges from corner gasoline stations to former mines, hazardous waste landfills and 700-acre still mill properties, and includes ecological reuse and industrial conversion to residential, mixed-use, and parklands.

### Representative Experience

**County of Winnebago / City of South Beloit, Illinois Brownfields Redevelopment Program –** Program Manager for environmental assessment and remediation planning at priority redevelopment sites under Winnebago County's USEPA Brownfields Assessment Grant program. Program funding also includes IEPA Brownfield assessment grants and cleanup revolving loan funds. Redevelopment sites include several former industrial waterfront properties slated for conversion to green space and commercial use as part of the Rock River Parkway Master Plan. Historic use of the sites ranged from refrigerated rail car manufacturing, bulk oil storage and gasoline service stations, to lumber operations and the former Beloit Foundry steel mill. To facilitate the parklands conversion and commercial redevelopment of these properties, V3 conducted site investigations and risk assessment, and developed cleanup strategies. The sites have been enrolled in Illinois' voluntary Site Remediation Program to address the environmental concerns identified at the properties.

**Mixed-Use Commercial Redevelopment of 90-acre Landfill, Blue Island, Illinois –** Registered P.E. and Senior Technical Lead for regulatory negotiations with USEPA and IEPA, cleanup strategies, engineering solutions and remediation. Working with City and developers to integrate site design and construction phases with regulatory requirements. Obtaining No Further Remediation (NFR) letters through the

Illinois Site Remediation Program (SRP) and risk-based PCBs closure with USEPA Region V TSCA. Project funding included an IEPA Municipal Brownfield Redevelopment Grant, USEPA Brownfield Assessment Grants and Cleanup RLFs, and TIF dollars.

**Former Northwestern Steel & Wire, Sterling, Illinois –** Served as Senior Technical Lead and registered P.E. for the assessment and cleanup of multiple redevelopment sites of a 700-acre defunct historic steel mill. The property was originally developed as a steel mill in 1870, and has a long legacy of heavy industrial use. Mr. Oswald developed advanced risk assessment approaches, and cleanup strategies for processing sites under the Illinois TACO and SRP regulatory frameworks. Site activities and strategies have included the evaluation and cleanup of cooling ponds containing mill scale, assessments of no adverse impact to a high quality receiving water (Rock River), the assessment and evaluation of non-hazardous landfills for beneficial reuse potential, chlorinated solvent investigations, and the development of site-wide closure strategies for various heavy metal impacts. Mr. Oswald worked with Illinois EPA and USEPA in developing and negotiating cleanup plans. Most of the steel mill facility now houses productive industrial end-users.

**Steel Manufacturing Facilities - Industrial Reuse, Chicago, Illinois –** Project Principal / Senior Consultant for the environmental assessment, remediation and regulatory closure of two steel plant properties slated for re-use. A. Finkl & Sons Co. outgrew and planned closure of a 110 year old plant site in a prime infill location on Chicago's Northside, to move operations to Chicago's Southside. V3 assisted with environmental re-use evaluations and remediation at both locations. The existing facility required environmental characterization for financing and future reuse evaluations, including a comprehensive Phase II investigation and preliminary remediation strategies that complement future residential and mixed use redevelopment. On-going activities include remedial investigation, remediation and regulatory closure. At the Southside facility, V3 assisted a number of environmental actions to prepare the new site for reuse, including environmental characterization and cleanup, and obtaining NFR letters for two legacy industrial properties that would house a bulk of the new steel operations. V3 also provided acquisition due diligence, environmental characterization and remediation for several adjoining properties acquired for future expansion and development of the steel manufacturing campus.

**Barrington Park District Remediation and NFR Letter, Barrington, Illinois –** Senior Technical Lead and registered P.E. for the environmental closure associated with the redevelopment of a former manufacturing facility into a 45-acre recreational park and ecological center. The project included demolition of the existing buildings, removal of underground storage tanks, remediation of soil contamination, performing an advanced Tier 3 Human Health Risk Assessment and processing the property through the Illinois EPA Site Remediation Program. The redevelopment was funded primarily through an Illinois Municipal Brownfield Redevelopment Grant that V3 helped the Park District obtain. A No Further Remediation letter was obtained in the Spring of 2007 when the new Citizens Park was dedicated to the community. This award winning passive-use park includes the first all-access tree house in the state of Illinois, and overlooks the adjacent Cuba Marsh wetlands.

**Historic Ovaltine Plant Redevelopment, Villa Park, Illinois –** Project Manager and Technical Lead for the investigation, cleanup and regulatory closure of industrial property converted to multi-family residential use. The project included the risk assessment of residual arsenic and petroleum compounds within site soils, remedial options for petroleum product impacts, the assessment of lead paint and asbestos material concerns, and characterization of on-site process wastes. Mr. Oswald also managed the underground storage tank corrective action and asbestos abatement and clearance monitoring programs.

**Risk Assessment, Remediation & Site Closure –** Has completed site cleanup and closure under numerous state and federal programs including state-led Leaking Underground Storage Tank (LUST) Programs, state Voluntary Cleanup Programs (VCPs) and PCB cleanups under federal regulatory programs. Has advanced experience with contaminant fate and transport modeling and applying human health risk assessment methodologies including Risk Based Corrective

Action (RBCA), Soil Screening Level (SSL), Illinois TACO, Wisconsin NR 700 and Indiana RISC, as well as the design and implementation of ecological risk assessment programs. Specializes in the technical and practical suitability, and selection, of soil and groundwater remediation technologies, while considering site conditions and client objectives – including time, cost and certainty. Remediation projects have included geosynthetic and earthen/ bentonite barrier systems; soil vapor extraction (SVE) / in situ air sparging of gasoline hydrocarbons; land farming with ex situ bioremediation to mitigate petroleum impacted soil; in situ chemical oxidation, bioremediation and enhanced natural attenuation of petroleum hydrocarbon and solvent impacted soils; soil stabilization and solidification to immobilize hazardous metals; soil and groundwater removal and disposal; and incineration of hazardous wastes.

**Representative Project Experience**

**Lincoln Mall Soil Remediation and NFR Letter, Matteson, Illinois –** Senior Consultant and Technical Lead for investigation, site closure and remediation during the planned redevelopment of the mall. Former automotive tire, battery and service facility operations resulted in several acres of gasoline constituent contamination in soil and groundwater at the Site. Close coordination of innovative remediation solutions with V3's civil engineering and construction teams significantly minimized the soil remediation scope and costs, while minimizing land use restrictions and allowing redevelopment flexibility. Mr. Oswald's closure strategy included the design and installation of an HPDE liner (vapor barrier)—the first approved by Illinois EPA as a deep burial gas impermeable barrier for the mitigation of volatile organic vapor risks. In October 2008, the remediation project was awarded the *Illinois Section American Society of Civil Engineering Outstanding Civil Engineering Achievement of the Year – Under $5 Million*.

**Illicit Dump Site PCBs Remediation, Gilberts, Illinois –** Project Manager and registered P.E. for the investigation and cleanup of an illicit dump site located on a 1,200-acre farm property planned for residential development. The investigation identified extensive historic industrial waste disposal at the Site—including TSCA hazardous PCBs. In responding to Federal Part 761 cleanup requirements, Mr. Oswald's remediation strategy efficiently separated TSCA hazardous from non-hazardous PCBs, resulting in a remediation project completed on schedule and $500,000 below budget. At the conclusion of cleanup actions, approximately 26,500 tons of non-hazardous PCB impacted soils and 1000 tons of TSCA hazardous PCBs were removed and disposed. To maintain the redevelopment schedule and comply with municipal requirements and conditions of the property closing a comprehensive No Further Remediation letter from IEPA was obtained in a very aggressive timeframe. Mr. Oswald also assisted with municipal negotiations related to the environmental conditions of the development agreement.

**McFalls Disposal Site (Unpermitted Landfill) Closure, Sterling, Illinois –** Senior Technical Lead and registered P.E. responsible for the closure of an unpermitted landfill undergoing enforcement with the State of Illinois. Worked directly with the Attorney General's Office in the negotiation and approval of pre- and post-closure monitoring plans, and the landfill capping and closure work plan. Designed and gained approval of a modified RCRA Subtitle D earthen cap for waste pile cover and containment, and specified and verified suitability of on-site clay borrow for cap construction. Established landfill cap grading plan and specified natural vegetative cover to reduce potential infiltration and erosion. Tasks also included hydrogeologic and chemical site characterization, construction management and inspection of cap and cover construction, and the establishment of Environmental Land Use Controls.

**Historical Site Investigation and Cleanup, Decatur, Illinois –** Project Manager and registered P.E. for investigation of large-scale industrial property with operations dating back to turn of the century; services were provided on behalf of four responsible parties, including three international manufacturers. Responsible for Illinois SRP site closure, including risk assessment, closure strategies, and remedial planning for numerous areas of concern. Collection and review of seep and surface water quality data indicated impacts to aquatic receptors in nearby streams (receiving waters). Design, specification and implementation of site remedial actions that included the in-situ stabilization of hazardous characteristic soils (cadmium), removal of hazardous wastes (PCBs and solvents), and the enhanced biological treatment (HRC) of chlorinated solvent impacts to site soils and groundwater to remediate chlorinated compound discharges in excess of Part 302 surface water quality standards. Advanced risk assessment approaches were used to demonstrate that site solutions and residual contaminants were protective of human health

and the environment. Illinois' first 'Area of Contamination' determination under RCRA guidance was obtained to allow the in-situ treatment and on-site management of hazardous characteristic soils. Remediation approach and regulatory determinations saved the parties over $500,000 in cleanup costs.

**Van Vlissingen Prairie, Chicago, Illinois –** Senior Environmental Engineer and Technical Lead for the human health and ecological risk assessment, and remediation plan for the restoration and environmental reuse of a 138-acre legacy industrial property as the Van Vlissingen Prairie/Marian R. Byrnes Natural Area. Project objectives included restoration and enhancement of the natural areas in addition to the creation of 6 acres of wet prairie and development of a public park and trail system. The site contained numerous planning challenges including (but not limited to) a restrictive water budget, limited organic soil, presence of threatened and endangered species, and environmental risks to human health and ecological receptors (sensitive species). Field investigations included the environmental sampling of site soils, wetland sediments, groundwater, primary forage plants and fauna within the foodweb; the human health and ecological risk assessments were performed in accordance with Illinois TACO and the Calumet Ecotox Protocol. Site restoration plans and construction phasing, including environmental remediation, were established to minimize disruption and adverse impacts to the hydrologic regime and habitats that support the site's threatened and endangered species.

**Planned Residential Redevelopment, Northwest Chicago Suburb, Illinois –** Project Manager and Technical Lead for the investigation and cleanup of a former petroleum product distribution facility, asphalt batch plant and materials yard. Managed subsurface soil and groundwater investigations associated with planned for residential redevelopment. Developed closure strategy for planned residential and commercial site areas, including Tier 2/3 site-specific remediation objectives, institutional controls. Evaluated remediation alternatives for areas requiring active cleanup that included SVE, HRC, land farming, "dig and haul", chemical oxidation and thermal desorption. Supervised the development of Comprehensive Site Investigation, Remedial Objectives Report, Remedial Action Plan and Remedial Action Completion Report for site closure under Illinois SRP. Managed remediation implementation, negotiated alternative engineered barriers and site-specific remediation objectives with Illinois EPA.

**Natural Gas Pipeline Construction, Northeast Illinois –** Project Engineer for soil & groundwater investigation and geo-environmental construction associated with 100,000 gallons of gasoline product released to a wetland area along a natural gas pipeline corridor. The release occurred when a contractor's directional drill struck and breached a high volume gasoline transmission pipeline. A new high pressure natural gas transmission pipeline required construction through the gasoline impacted area. Gasoline migration along the new high pressure pipeline was prevented by installing a bentonite / clay engineered backfill around the pipe. Mr. Oswald provided construction oversight, inspection and verification of the backfill installation during pipeline construction.

**Regulatory Closure of Historical Industry, Mt. Carmel, Illinois –** Provided technical direction relative to site investigation according to SRP protocols and TACO guidelines. Performed data review in accordance with TACO, established site remediation objectives, and developed corrective action plan that included innovative use of barriers and resulted in savings of several hundreds of thousands of dollars as compared to soil removal.

**Manufacturing Facility Expansion, Chicago, Illinois –** Project Manager and Technical Lead for the investigation, corrective action and Site Remediation Program regulatory closure of industrial property targeted for acquisition by an adjoining manufacturer. The project included evaluation and remedial options for PCB, PNA and lead impacts to site soils, as well as, property redevelopment, demolition and waste consultation. Mr. Oswald managed the soil remediation program for PCBs and hazardous lead.

**Environmental Construction, Deerfield, Illinois –** Construction monitoring, as-built surveys and earthwork quantities associated with the entombment of lead and coal tar contaminated soils at a historic gun club. The entombment was associated with U.S. Army Corps of Engineers redevelopment of the site as a flood control reservoir.

**LUST Investigation/Corrective Action, St. Charles, Illinois –** Site characterization, and IAS/SVE soil and groundwater remediation system design and permitting for a gasoline UST release.

**Watersheds, Water Quality & Environmental Permitting –** Has performed a variety of groundwater and surface water quality investigations and planning studies including: groundwater contaminant fate and transport modeling; watershed non-point source and surface water quality modeling; sustainable water use, best management practices and treatment wetlands; receiving water / receptor impact studies; and point-discharge permitting. Environmental permitting experience includes NPDES stormwater, wastewater and industrial discharge, and Section 401 water quality certifications, and threatened & endangered species consultation. Developed, implemented and managed monitoring programs in association with permit requirements.

**Hydrogeology, Natural Resources & Geo-environmental Engineering –** Experience spanning a wide range of geo-environmental and natural resource related assessment, planning, development and restoration projects including: groundwater assessment, modeling and engineering for mining operations, construction and site dewatering, constructed wetlands, high capacity well and water supply development; groundwater resource, groundwater interference and sustainable yield assessments; economic resource evaluation and development; mine reclamation planning and design; and hydrologic analysis / planning for managing open space and sensitive ecosystems. Increasingly applies experience and expertise to the restoration of natural systems and the sustainable use of natural resources.

**Representative Project Experience**

**Lake Calumet Hydrologic Master Plan, City of Chicago, Illinois –** Project Manager and Team Leader of multi-disciplinary project team formed to obtain and evaluate hydrologic and water quality data for the Lake Calumet Area Ecological Management Strategy (EMS). Project included establishment of high order geodetic control and the ground truthing of LIDAR topographic mapping, and the collection of survey, hydrologic and hydraulic data required for the construction of watershed models within the study area. An evaluation and preliminary design of water control structures was conducted for the management of the area's sensitive ecological habitats which are home to numerous threatened and endangered species. Coordination and communication between project team and EMS partners including hydrologists, engineers, land surveyors, GIS specialists, drill crews, the City of Chicago DOE and the Illinois State Geological and Water Surveys.

**Center Lake Diagnostic Study, Warsaw, Indiana –** Technical Lead for non-point source modeling of the 9,611-acre Center Lake watershed. The study included the assessment of non-point source pollutant (nutrient and sediment) loading contributions as they pertain to water quality degradation within Center Lake. Historical information on land use, waterway connections and pertinent information on climate, geologic history and topography were researched. Water quality, biological and habitat conditions of the lake and surrounding features of the watershed, which includes macroinvertebrate communities have been evaluated. Center Lake's shoreline condition, streambank erosion, and sedimentation were analyzed, along with the evaluation of best management practices (BMPs) for the control and minimization of non-point loading. The conclusions of this study assisted with the recommendations for watershed improvements to allow for an improved water quality to Center Lake.

**Grande Prairie Energy, Bartlett, Illinois –** Project Manager for groundwater resource evaluation, feasibility and impact assessment associated with supplying process water demands for a proposed combined-cycle power plant including 2 gas-fired combustion turbines / heat recovery steam generators, and associated power facilities on a 50 acre site in northwest suburban Chicago. Given northeast Illinois' deep aquifer withdrawals were already close to sustainable yield, community concerns over the project included the significant water demands and the potential for groundwater well interference and aquifer depletion. The study included an evaluation of aquifer systems, a feasibility assessment for obtaining peak (1.0 MGD) and average process demands from local groundwater resources, and modeling to predict impacts to the aquifer and neighboring well users. Mr. Oswald represented the developer at a series of public hearings performed during the project approval process. He also designed, specified and permitted two 1300' deep (Ironton-Galesville) groundwater production wells necessary to meet process demands—the County permitting process included

the negotiation of several variances—and developed and implemented an on-going groundwater-monitoring program required as part of the development agreement.

**Barbers Corners Limestone Mine Flood Control, Bolingbrook, Illinois –** Constructed Modflow model to predict post-construction groundwater elevations for the design of a wetland mitigation bank. Post construction conditions influencing the mitigation bank and groundwater elevations include a proposed mine reclamation lake and flood control facility. Also conducted water quality monitoring and modeling of groundwater and surface waters in support of Section 401 Water Quality Certification required for flood control facility construction.

**Midewin National Tallgrass Priairie Wetland Seed Beds, Wilmington, Illinois –** Project Manager and Principal Engineer for the design / build of wetland seedbeds for the U.S. Forest Service. The seedbeds were designed and constructed for the controlled production of native plant material and seed for on-going restoration activities at the National Tallgrass Prairie. In addition to the wetland seedbeds, the project included the design and specification of water delivery infrastructure including an on-site production well and an automated drip irrigation system to supply irrigation water to the seedbeds.

**Environmental Permitting, Sterling, Illinois –** Sr. Technical Advisor for a rail car logistics facility environmental permitting. Permitting included an NPDES industrial storm water permit, the evaluation and resolution of State consultation related to threatened and endangered species identified in the Rock River, development of a SWPPP and SPCC Plan, and the development of best management practices for on-site operations.

**Stormwater Permitting, Plainfield, Illinois –** Project Manager for the development and submittal of an auto-recycling yard NPDES storm water permit application. Technical Lead for storm water sampling, hydrologic data collection and monitoring necessary to fulfill permit requirements. Project included planning of best management practices to minimize storm water contact with and runoff from process areas.

**Mine Dewatering Impact Assessment, Kaneville, Illinois –** Hydrogeologic characterization of shallow groundwater systems surrounding a sand and gravel surface mining operation. The project included the compilation and analysis of available hydrogeologic data, including pump test and mine pit recovery data, and an estimate of mine dewatering impacts to the local water table and neighboring well users.

**Mine Reclamation Planning and Site Development, Lakewood, Illinois –** Project Manager for due diligence and planning of mine operation and post-use residential development. Project included wetland determinations, engineering due diligence, mine resource evaluations, hydrologic evaluation and permitting, and mine reclamation planning and design.

**Mine Reclamation Groundwater Study, Elgin, Illinois –** Hydrogeologic investigation and groundwater modeling for a planned mine reclamation and property redevelopment. The project included the characterization and assessment of local groundwater conditions, and the construction of a Flowpath model to predict post-development groundwater elevations. Predicted groundwater conditions were used to assist grading design around a recreational lake associated with a golf course development.

**Sports Stadium Feasibility, Elk Grove Village, Illinois –** Project Manager for environmental site assessment, groundwater monitoring and sampling, aquifer testing and analysis for engineering feasibility of proposed Chicago Bears stadium site.

**Environmental Site Assessment & Due Diligence for Transactions –** Performance and management of 100s of Phase I / II Environmental Site Assessments supporting construction and redevelopment, property transfers, mergers and acquisitions, and transportation projects. As trusted advisor on transactions, outlines potential liabilities, financial risks, risk management alternatives, and supports client in negotiating transaction terms and communicating conditions and

solutions to lenders and investors. Often prepares preliminary cleanup estimates based on professional experience using limited subsurface information, allowing clients to make informed business decisions regarding the risks related to the purchase of an asset. Similarly, prepares remediation strategies to assist owners in positioning assets for sale. Has planned and supervised soil boring and groundwater monitoring and sampling programs in all environmental media, and has managed building assessments that include the investigation, inventory and removal of asbestos-containing materials, lead-based paint, PCBs, unidentified materials and drummed wastes, and the investigation and mitigation of radon and indoor air-quality – vapor intrusion risks.

## Representative Real Estate Transactions

- **First Industrial Realty Trust – Industrial (National Locations)**
- **US Bancorp – JV Investment Remediation Oversight**
- **Atlas Oil – Service Station Portfolio Acquisitions**
- **McDonalds USA – New Midwest Locations**
- **Bradford Real Estate – Infill Acquisitions**
- **Harris Bank – Distressed Assets**
- **Project Management Advisors – Various Client Acquisitions**
- **Freeborn & Peters – Industrial/Commercial Acquisitions**
- **A. Finkl & Sons – Steel Mill Acquisitions**
- **WH&H Realty Advisors – Equity Investment Due Diligence**
- **Lincoln Property Company – Various Infill**

# APPENDIX II

SITE PHOTOGRAPHS




**PHOTO 1**

Date: January 01, 2013

West side of N. Ardmore Ave. looking south from Schiller St.




**PHOTO 2**

West side of N. Ardmore Ave. looking north from the bridge.



**PHOTO 3**

East side of N. Ardmore Ave. looking south.




**PHOTO 4**

East side of N. Ardmore Ave. looking north from W. Ridge St.



**PHOTO 5**

West side of N. Ardmore Ave. looking north from W. Ridge St.



**PHOTO 6**

Laundromat (former cleaners) on west side of N. Ardmore Ave. looking south.



**PHOTO 7**

Multi-tenant commercial building and 7-11 on west side of N. Ardmore Ave. looking southwest.



**PHOTO 8**

Vacant parcel (former Tyler's Citgo & Auto Repair) and multi-tenant commercial building on east side of N. Ardmore Ave. looking northeast.



**PHOTO 9**

Multi-tenant building, former Standard Oil, on east side of N. Ardmore Ave. looking southeast.

# APPENDIX III

SITE LEGAL DESCRIPTION/PLAT OF SURVEY/SITE PLAN

No Plats, Surveys or Plans were provided.

# APPENDIX IV

USER/OWNER QUESTIONNAIRES AND OTHER INTERVIEW DOCUMENTATION

**No Questionnaire or Interview Documentation was provided.**

# APPENDIX V

TITLE RECORDS

No Title Records were provided.

# APPENDIX VI

REGULATORY RECORDS DATABASE REPORT

**Villa Park Streetscape Project**
344-726 N ARDMORE AVE
Villa Park, IL 60181

Inquiry Number: 3485323.2s
December 31, 2012

# The EDR Radius Map™ Report with GeoCheck®

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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**GEOCHECK ADDENDUM**

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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# EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

## TARGET PROPERTY INFORMATION

### ADDRESS

344-726 N ARDMORE AVE
VILLA PARK, IL 60181

### COORDINATES

| | |
|---|---|
| Latitude (North): | 41.9016000 - 41° 54' 5.76'' |
| Longitude (West): | 87.9788000 - 87° 58' 43.68'' |
| Universal Tranverse Mercator: | Zone 16 |
| UTM X (Meters): | 418810.7 |
| UTM Y (Meters): | 4639101.0 |
| Elevation: | 706 ft. above sea level |

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

| | |
|---|---|
| Target Property Map: | 41087-H8 ELMHURST, IL |
| Most Recent Revision: | 1997 |

### AERIAL PHOTOGRAPHY IN THIS REPORT

| | |
|---|---|
| Portions of Photo from: | 2009, 2010 |
| Source: | USDA |

## TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

| Site | Database(s) | EPA ID |
|---|---|---|
| 724 N ARDMORE AVE<br>724 N ARDMORE AVE<br>VILLA PARK, IL 60181 | EDR US Hist Auto Stat | N/A |
| CAR CARE COLLISION CENTER<br>724 N ARDMORE<br>VILLA PARK, IL 60181 | RCRA-CESQG<br>FINDS | ILD982638280 |
| 416 N ARDMORE AVE<br>416 N ARDMORE AVE<br>VILLA PARK, IL 60181 | EDR US Hist Cleaners | N/A |
| AUTO RIDE CAB OF ELMHURST INC<br>726 N ARDMORE<br>VILLA PARK, IL 60181 | UST | N/A |

| | | |
|---|---|---|
| 414 N ARDMORE AVE<br>414 N ARDMORE AVE<br>VILLA PARK, IL 60181 | EDR US Hist Cleaners | N/A |
| 736 N ARDMORE AVE<br>736 N ARDMORE AVE<br>VILLA PARK, IL 60181 | EDR US Hist Auto Stat | N/A |

**DATABASES WITH NO MAPPED SITES**

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

**STANDARD ENVIRONMENTAL RECORDS**

***Federal NPL site list***

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

***Federal Delisted NPL site list***

Delisted NPL ---------- National Priority List Deletions

***Federal CERCLIS list***

CERCLIS ---------- Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ---------- Federal Facility Site Information listing

***Federal RCRA CORRACTS facilities list***

CORRACTS ---------- Corrective Action Report

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

***Federal RCRA generators list***

RCRA-LQG ---------- RCRA - Large Quantity Generators

***Federal institutional controls / engineering controls registries***

US ENG CONTROLS ---------- Engineering Controls Sites List
US INST CONTROL ---------- Sites with Institutional Controls
LUCIS ---------- Land Use Control Information System

# EXECUTIVE SUMMARY

***Federal ERNS list***

ERNS ---------- Emergency Response Notification System

***State- and tribal - equivalent CERCLIS***

SSU ---------- State Sites Unit Listing

***State and tribal landfill and/or solid waste disposal site lists***

SWF/LF ---------- Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge
LF SPECIAL WASTE ---------- Special Waste Site List
IL NIPC ---------- Solid Waste Landfill Inventory
CCDD ---------- Clean Construction or Demolition Debris

***State and tribal leaking storage tank lists***

LUST TRUST ---------- Underground Storage Tank Fund Payment Priority List
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land

***State and tribal registered storage tank lists***

INDIAN UST ---------- Underground Storage Tanks on Indian Land
FEMA UST ---------- Underground Storage Tank Listing

***State and tribal voluntary cleanup sites***

INDIAN VCP ---------- Voluntary Cleanup Priority Listing

***State and tribal Brownfields sites***

BROWNFIELDS ---------- Municipal Brownfields Redevelopment Grant Program Project Descriptions

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS ---------- A Listing of Brownfields Sites

***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI ---------- Open Dump Inventory
DEBRIS REGION 9 ---------- Torres Martinez Reservation Illegal Dump Site Locations
INDIAN ODI ---------- Report on the Status of Open Dumps on Indian Lands

***Local Lists of Hazardous waste / Contaminated Sites***

US CDL ---------- Clandestine Drug Labs
CDL ---------- Meth Drug Lab Site Listing
US HIST CDL ---------- National Clandestine Laboratory Register

***Local Land Records***

LIENS 2 ---------- CERCLA Lien Information

***Records of Emergency Release Reports***

| | |
|---|---|
| HMIRS | Hazardous Materials Information Reporting System |
| SPILLS | State spills |

***Other Ascertainable Records***

| | |
|---|---|
| DOT OPS | Incident and Accident Data |
| DOD | Department of Defense Sites |
| FUDS | Formerly Used Defense Sites |
| CONSENT | Superfund (CERCLA) Consent Decrees |
| ROD | Records Of Decision |
| UMTRA | Uranium Mill Tailings Sites |
| MINES | Mines Master Index File |
| TRIS | Toxic Chemical Release Inventory System |
| TSCA | Toxic Substances Control Act |
| FTTS | FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) |
| HIST FTTS | FIFRA/TSCA Tracking System Administrative Case Listing |
| SSTS | Section 7 Tracking Systems |
| ICIS | Integrated Compliance Information System |
| PADS | PCB Activity Database System |
| MLTS | Material Licensing Tracking System |
| RADINFO | Radiation Information Database |
| RAATS | RCRA Administrative Action Tracking System |
| NPDES | A Listing of Active Permits |
| UIC | Underground Injection Wells |
| HWAR | Hazard Waste Annual Report |
| IMPDMENT | Surface Impoundment Inventory |
| AIRS | AIRS |
| TIER 2 | Tier 2 Information Listing |
| INDIAN RESERV | Indian Reservations |
| SCRD DRYCLEANERS | State Coalition for Remediation of Drycleaners Listing |
| COAL ASH | Coal Ash Site Listing |
| US AIRS | Aerometric Information Retrieval System Facility Subsystem |
| PRP | Potentially Responsible Parties |
| 2020 COR ACTION | 2020 Corrective Action Program List |
| PIMW | Potentially Infectious Medical Waste |
| EPA WATCH LIST | EPA WATCH LIST |
| US FIN ASSUR | Financial Assurance Information |
| PCB TRANSFORMER | PCB Transformer Registration Database |
| COAL ASH DOE | Steam-Electric Plant Operation Data |
| Financial Assurance | Financial Assurance Information Listing |
| COAL ASH EPA | Coal Combustion Residues Surface Impoundments List |

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

| | |
|---|---|
| EDR MGP | EDR Proprietary Manufactured Gas Plants |

**SURROUNDING SITES: SEARCH RESULTS**

Surrounding sites were identified in the following databases.

# EXECUTIVE SUMMARY

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

**STANDARD ENVIRONMENTAL RECORDS**

### *Federal CERCLIS NFRAP site List*

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 12/28/2011 has revealed that there is 1 CERC-NFRAP site within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***ACCENT MARBLE INC*** | ***223 ADELE CT*** | ***NE 1/4 - 1/2 (0.346 mi.)*** | ***76*** | ***79*** |

### *Federal RCRA generators list*

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 09/11/2012 has revealed that there are 11 RCRA-SQG sites within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***WESTWAY COACH INC*** | ***100 E HILL ST*** | ***0 - 1/8 (0.000 mi.)*** | ***B15*** | ***20*** |
| ***MODULAR CONTROLS*** | ***742 N PRINCETON*** | ***NNW 0 - 1/8 (0.071 mi.)*** | ***G29*** | ***32*** |
| ***SAICOR INC*** | ***708 N PRINCETON*** | ***NNW 0 - 1/8 (0.071 mi.)*** | ***G32*** | ***35*** |
| TARGET STORE 0957 | 50 E NORTH AVE | N 0 - 1/8 (0.081 mi.) | F36 | 38 |
| ***FARNSWORTH COMPUTER CENTER*** | ***120 W NORTH AVE*** | ***NNW 0 - 1/8 (0.119 mi.)*** | ***H43*** | ***48*** |
| ***CAR RENEWAL INC*** | ***738 N YALE AVE*** | ***NNW 1/8 - 1/4 (0.164 mi.)*** | ***K51*** | ***56*** |
| ***NEW PROCESS TANK*** | ***742 N YALE*** | ***NNW 1/8 - 1/4 (0.164 mi.)*** | ***K52*** | ***58*** |
| ***MEGAN AUTO WORKS INC*** | ***739 N YALE AVE*** | ***NNW 1/8 - 1/4 (0.164 mi.)*** | ***K53*** | ***59*** |
| ***E AND R AUTO*** | ***201 W NORTH AV*** | ***NW 1/8 - 1/4 (0.182 mi.)*** | ***K59*** | ***67*** |
| GBA INC VILLA PARK | 225 W NORTH AVE | NW 1/8 - 1/4 (0.189 mi.) | K63 | 70 |
| ***LEND LEASE*** | ***187 E NORTH AVE*** | ***NE 1/8 - 1/4 (0.242 mi.)*** | ***M72*** | ***75*** |

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 09/11/2012 has revealed that there are 4 RCRA-CESQG sites within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| AREA EQUIPMENT | 150 E HILL ST | 0 - 1/8 (0.000 mi.) | B14 | 19 |
| ***MAJOR PRIME PLASTICS*** | ***649 N ARDMORE AVE*** | ***0 - 1/8 (0.000 mi.)*** | ***E25*** | ***30*** |
| ***JDS AUTO BODY INC*** | ***100 E NORTH AVE*** | ***NNE 0 - 1/8 (0.095 mi.)*** | ***I41*** | ***44*** |
| ***LARRY ROESCH IMPORTS*** | ***150 E NORTH AVE*** | ***NNE 0 - 1/8 (0.120 mi.)*** | ***I45*** | ***51*** |

***State and tribal leaking storage tank lists***

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Illinois Environmental Protection Agency's LUST Incident Report.

A review of the LUST list, as provided by EDR, and dated 10/12/2012 has revealed that there are 28 LUST sites within approximately 0.5 miles of the target property.

| Equal/Higher Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| CRAVENS LABEL HOLDER CORP. | 619 NORTH ADDISON RD. | W 1/4 - 1/2 (0.489 mi.) | 90 | 105 |
| TERRACE SUPPLY CO.<br>NFA/NFR Letter: 12/29/1994 | 710 NORTH ADDISON | WNW 1/4 - 1/2 (0.490 mi.) | 91 | 105 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| SCHAMBERGER BROTHERS INC.<br>NFA/NFR Letter: 05/06/2002 | 101 EAST HILL ST. | 0 - 1/8 (0.000 mi.) | B8 | 13 |
| BURTON, ROBERT R.<br>NFA/NFR Letter: 03/22/2000 | 714 NORTH ARDMORE | 0 - 1/8 (0.000 mi.) | B10 | 14 |
| ***INGSTRUP PAVING, INC.***<br>NFA/NFR Letter: 05/11/2000 | ***201 EAST HILL STREET*** | ***0 - 1/8 (0.000 mi.)*** | ***B11*** | ***15*** |
| SUNSET APARTMENTS | 515 NORTH ARDMORE AVE. | 0 - 1/8 (0.000 mi.) | C18 | 23 |
| ***TYLERS SERVICE & TOWING INC***<br>NFA/NFR Letter: 02/07/2000 | ***351 NORTH ARDMORE*** | ***0 - 1/8 (0.000 mi.)*** | ***D21*** | ***26*** |
| ***JOHNSON & BARTELS CEMENT COMPA***<br>NFA/NFR Letter: 05/25/2005 | ***708 NORTH ARDMORE STREE*** | ***0 - 1/8 (0.000 mi.)*** | ***B23*** | ***28*** |
| WHITNEY VOLKSWAGEN<br>NFA/NFR Letter: 02/22/1995 | 150 EAST NORTH AVE. | NNE 0 - 1/8 (0.120 mi.) | I46 | 53 |
| NORTH CHATHAM CORP.<br>NFA/NFR Letter: 03/08/2000 | 2 NORTH 021 CHATHAM | NNE 1/8 - 1/4 (0.143 mi.) | J47 | 53 |
| MONSON NICHOLAS INC.<br>NFA/NFR Letter: 04/11/2008 | 714 NORTH YALE | NNW 1/8 - 1/4 (0.158 mi.) | K49 | 55 |
| PARENT PETROLEUM | 151 WEST NORTH AVE. | NNW 1/8 - 1/4 (0.168 mi.) | K55 | 63 |
| GBA-FIRESTONE<br>NFA/NFR Letter: 12/10/1999 | 225 WEST NORTH AVE. | NW 1/8 - 1/4 (0.189 mi.) | K62 | 69 |

# EXECUTIVE SUMMARY

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| VITAGLIANO GENERAL PARTNERSHIP | 231 WEST NORTH AVE. | NW 1/8 - 1/4 (0.191 mi.) | K66 | 72 |
| ALDI INC. | 400 WEST NORTH AVE. | NW 1/8 - 1/4 (0.237 mi.) | L71 | 74 |
| FOHRMAN, RONALD<br>NFA/NFR Letter: 01/14/2000 | 187 EAST NORTH AVENUE | NE 1/8 - 1/4 (0.242 mi.) | M73 | 76 |
| SAVERS AUTO SERVICE<br>NFA/NFR Letter: 02/06/2007 | 523 WEST NORTH AVE. | NW 1/4 - 1/2 (0.339 mi.) | N75 | 78 |
| VENUTI'S RISTORANTE<br>NFA/NFR Letter: 10/04/2007 | 541 WEST NORTH AVE. | NW 1/4 - 1/2 (0.352 mi.) | N77 | 94 |
| ACA MANAGEMENT<br>NFA/NFR Letter: 11/15/1991 | 350 EAST NORTH AVE. | NE 1/4 - 1/2 (0.383 mi.) | 78 | 94 |
| SOOPER LUBE<br>NFA/NFR Letter: 08/18/1999 | 6 WEST ST. CHARLES RD. | S 1/4 - 1/2 (0.436 mi.) | O79 | 95 |
| FAVIA, ROCCO | 36 WEST ST. CHARLES RD. | S 1/4 - 1/2 (0.437 mi.) | O80 | 95 |
| VILLA PARK CAR WASH | 44 WEST ST. CHARLES RD. | S 1/4 - 1/2 (0.437 mi.) | O81 | 96 |
| ***JOHNSON'S VILLA PARK***<br>NFA/NFR Letter: 01/06/2006 | ***1 WEST ST. CHARLES ROAD*** | ***S 1/4 - 1/2 (0.438 mi.)*** | ***O82*** | ***96*** |
| ***ALLEN WALTER SENIOR*** | ***40 E ST CHARLES RD*** | ***S 1/4 - 1/2 (0.439 mi.)*** | ***83*** | ***97*** |
| HEIDELEMEIER, ROSALIE ESTATE O<br>NFA/NFR Letter: 04/06/1993 | 109 EAST ST. CHARLES RD | S 1/4 - 1/2 (0.455 mi.) | 84 | 100 |
| AMOCO OIL CO. #5383<br>NFA/NFR Letter: 05/10/2000 | ST. CHARLES & ARDMORE | S 1/4 - 1/2 (0.457 mi.) | O85 | 100 |
| CHARLIES AUTO SERVICE | 149 WEST ST. CHARLES RO | SSW 1/4 - 1/2 (0.476 mi.) | P87 | 102 |
| UNITED RENTALS<br>NFA/NFR Letter: 04/12/2007 | 880 NORTH ADDISON ROAD | WNW 1/4 - 1/2 (0.489 mi.) | 89 | 104 |

***State and tribal registered storage tank lists***

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Illinois State Fire Marshal's STC Facility List.

A review of the UST list, as provided by EDR, and dated 07/30/2012 has revealed that there are 16 UST sites within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| COMMERCIAL BUILDING | 714 N. ARDMORE AVE. | 0 - 1/8 (0.000 mi.) | B7 | 12 |
| ***INGSTRUP PAVING, INC.*** | ***201 EAST HILL STREET*** | ***0 - 1/8 (0.000 mi.)*** | ***B11*** | ***15*** |
| WESTWAY COACH INC | 100 E HILL ST | 0 - 1/8 (0.000 mi.) | B12 | 17 |
| SCHAMBERGER BROS INC | 101 E HILL ST P.O. BOX | 0 - 1/8 (0.000 mi.) | B13 | 18 |
| JOHNSON & BARTELS CEMENT CO. | 708 N. ARDMORE | 0 - 1/8 (0.000 mi.) | B16 | 22 |
| ***TYLERS SERVICE & TOWING INC*** | ***351 NORTH ARDMORE*** | ***0 - 1/8 (0.000 mi.)*** | ***D21*** | ***26*** |
| MAJOR PRIME PLASTICS INC | 649 N ARDMORE AVE | 0 - 1/8 (0.000 mi.) | E24 | 29 |
| HONDA MOTORS | 100 E NORTH AVE | NNE 0 - 1/8 (0.095 mi.) | I42 | 46 |
| WHITNEY IMPORTS INC | 150 E NORTH AVE | NNE 0 - 1/8 (0.120 mi.) | I44 | 49 |
| MICHIGAN AVE NAT BNK OF CHGO | 50 E N AVE | NNE 1/8 - 1/4 (0.147 mi.) | J48 | 54 |
| NICHOLAS MONSON | 714 N YALE ST | NNW 1/8 - 1/4 (0.158 mi.) | K50 | 55 |
| PRIDE OF VILLA PARK | 151 W. NORTH AVENUE | NNW 1/8 - 1/4 (0.168 mi.) | K54 | 61 |
| JEFF WEIDEN INC | 225 W NORTH AVE | NW 1/8 - 1/4 (0.189 mi.) | K64 | 71 |
| TOBIN WINDOW & GLASS | 231 W NORTH AVE | NW 1/8 - 1/4 (0.191 mi.) | K67 | 73 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| KMART #3473 | 300 W NORTH AVE | NW 1/8 - 1/4 (0.207 mi.) | L68 | 73 |
| INTERNATIONAL WOD PRODUCTS | 187 E NORTH AVENUE | NE 1/8 - 1/4 (0.242 mi.) | M74 | 77 |

***State and tribal institutional control / engineering control registries***

ENG CONTROLS: Sites with Engineering Controls.

A review of the ENG CONTROLS list, as provided by EDR, and dated 10/22/2012 has revealed that there are 2 ENG CONTROLS sites within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SANNASARDO & ZENZOLA PARTNERSH*** | ***415 NORTH ARDMORE AVENU*** | ***0 - 1/8 (0.000 mi.)*** | ***19*** | ***24*** |
| ***DESIGNER SHOWCASE*** | ***139 WEST ST. CHARLES RO*** | ***SSW 1/4 - 1/2 (0.472 mi.)*** | ***P86*** | ***101*** |

INST CONTROL: Legal or administrative restrictions on land use and/or other activities (e.g., groundwater use restrictions) which effectively limit exposure to contamination may be employed as alternatives to removal or treatment of contamination.

A review of the INST CONTROL list, as provided by EDR, and dated 10/22/2012 has revealed that there are 2 INST CONTROL sites within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| ***SANNASARDO & ZENZOLA PARTNERSH*** | ***415 NORTH ARDMORE AVENU*** | ***0 - 1/8 (0.000 mi.)*** | ***19*** | ***24*** |
| ***DESIGNER SHOWCASE*** | ***139 WEST ST. CHARLES RO*** | ***SSW 1/4 - 1/2 (0.472 mi.)*** | ***P86*** | ***101*** |

***State and tribal voluntary cleanup sites***

SRP: Illinois Environmental Protection Agency, Site Remediation Program Database

A review of the SRP list, as provided by EDR, and dated 10/22/2012 has revealed that there are 6 SRP sites within approximately 0.5 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| SUNSET APARTMENTS | 481-557 NORTH ARDMORE A | 0 - 1/8 (0.000 mi.) | C17 | 23 |
| ***SANNASARDO & ZENZOLA PARTNERSH*** | ***415 NORTH ARDMORE AVENU*** | ***0 - 1/8 (0.000 mi.)*** | ***19*** | ***24*** |
| MAJOR-PRIME PLASTICS | 649 NORTH ARDMORE AVENU | 0 - 1/8 (0.000 mi.) | E22 | 27 |
| ***ALLEN WALTER SENIOR*** | ***40 E ST CHARLES RD*** | ***S 1/4 - 1/2 (0.439 mi.)*** | ***83*** | ***97*** |
| ***DESIGNER SHOWCASE*** | ***139 WEST ST. CHARLES RO*** | ***SSW 1/4 - 1/2 (0.472 mi.)*** | ***P86*** | ***101*** |
| ***HAFER CLEANERS*** | ***159 EAST ST. CHARLES RO*** | ***SSE 1/4 - 1/2 (0.482 mi.)*** | ***88*** | ***103*** |

# EXECUTIVE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORDS

### *Other Ascertainable Records*

RCRA-NonGen: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA-NonGen list, as provided by EDR, and dated 09/11/2012 has revealed that there is 1 RCRA-NonGen site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| PARENT PETROLEUM | 151 WEST NORTH AVE | NNW 1/8 - 1/4 (0.168 mi.) | K57 | 65 |

DRYCLEANERS: Any business interested in operating a drycleaning facility in Illinois needs to apply for a license through the Illinois Drycleaner Environmental Response trust Fund.

A review of the DRYCLEANERS list, as provided by EDR, and dated 08/27/2012 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| DSI CLEANERS | 725 NORTH PRINCETON UNI | NNW 0 - 1/8 (0.069 mi.) | G28 | 32 |

## EDR HIGH RISK HISTORICAL RECORDS

### *EDR Exclusive Records*

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 17 EDR US Hist Auto Stat sites within approximately 0.25 miles of the target property.

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| Not reported | 50 E HILL ST | 0 - 1/8 (0.000 mi.) | B9 | 14 |
| Not reported | 351 N ARDMORE AVE | 0 - 1/8 (0.000 mi.) | D20 | 25 |
| Not reported | 5 E NORTH AVE | N 0 - 1/8 (0.069 mi.) | F26 | 31 |
| Not reported | 740 N PRINCETON AVE | NNW 0 - 1/8 (0.071 mi.) | G30 | 34 |
| Not reported | 710 N PRINCETON AVE | NNW 0 - 1/8 (0.071 mi.) | G31 | 34 |
| Not reported | 706 N PRINCETON AVE | NNW 0 - 1/8 (0.072 mi.) | G33 | 37 |
| Not reported | 25 E NORTH AVE | N 0 - 1/8 (0.072 mi.) | F34 | 37 |

| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| Not reported | 8 W NORTH AVE | N 0 - 1/8 (0.076 mi.) | F35 | 38 |
| Not reported | 25 W NORTH AVE | NNW 0 - 1/8 (0.091 mi.) | H37 | 42 |
| Not reported | 55 E NORTH AVE | NNE 0 - 1/8 (0.094 mi.) | I39 | 43 |
| Not reported | 100 E NORTH AVE | NNE 0 - 1/8 (0.095 mi.) | I40 | 43 |
| Not reported | 151 W NORTH AVE | NNW 1/8 - 1/4 (0.168 mi.) | K56 | 64 |
| Not reported | 165 W NORTH AVE | NNW 1/8 - 1/4 (0.172 mi.) | K58 | 66 |
| Not reported | 201 W NORTH AVE | NW 1/8 - 1/4 (0.182 mi.) | K60 | 68 |
| Not reported | 209 W NORTH AVE | NW 1/8 - 1/4 (0.185 mi.) | K61 | 69 |
| Not reported | 225 W NORTH AVE | NW 1/8 - 1/4 (0.189 mi.) | K65 | 72 |
| Not reported | 165 E NORTH AVE | NE 1/8 - 1/4 (0.216 mi.) | M69 | 74 |

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 3 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

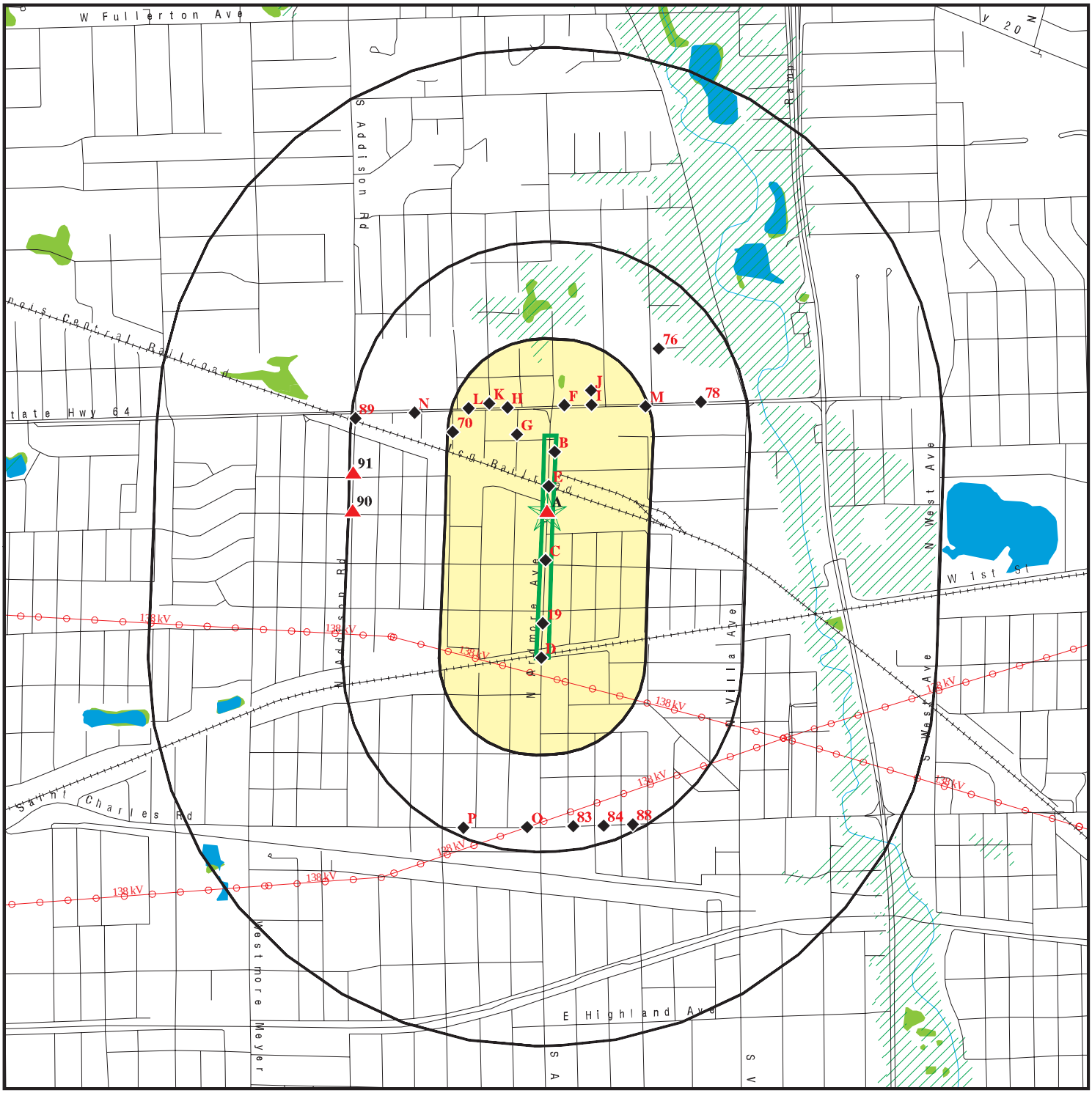
| Lower Elevation | Address | Direction / Distance | Map ID | Page |
|---|---|---|---|---|
| Not reported | 725 N PRINCETON AVE | NNW 0 - 1/8 (0.069 mi.) | G27 | 32 |
| Not reported | 25 W NORTH AVE | NNW 0 - 1/8 (0.091 mi.) | H38 | 43 |
| Not reported | 745 N HARVARD AVE | NW 1/8 - 1/4 (0.236 mi.) | 70 | 74 |

# EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 28 records.

| Site Name | Database(s) |
|---|---|
| VCNA PRAIRIE - YARD 1014 | LUST, TIER 2 |
| VILLA PARK - 53069 | TIER 2 |
| VILLA PARK - 45007 | TIER 2 |
| VILLA PARK ROADWAY W/SAN SEWER | NPDES |
| SALT CREEK SANITARY DISTRICT | NPDES, LUST |
| BRUSS NURSERY | FINDS, SWF/LF |
| KROTT, EUGENE | FINDS, SWF/LF |
| MCMASTER CARR SUPPLY | LUST, SPILLS, AIRS |
| HERTZ EQUIPMENT RENTAL CORPORATION | LUST, UST |
| UNITED LABORATORIES INC | UST |
| CANTORE CONST | UST |
| SALT CREEK SANITARY DIST | UST |
| DUPAGE MATERIALS CO | RCRA-SQG |
| WALMART 1737 | RCRA-SQG, FINDS |
| BADGER EXPRESS LLC | RCRA-NonGen |
| TERRACE LIMITED PARTNERSHIP | RCRA-NonGen, FINDS |
| WEST SHORE PIPE LINE CO | RCRA-NonGen |
| AETS | RCRA-NonGen, FINDS |
| WAL-MART @900 S RTE 83 | RCRA-NonGen |
| FEDERAL CENTERS | RCRA-CESQG, FINDS |
| OAKBROOK BODY TECH | RCRA-CESQG, FINDS |
| CELL ANALYSIS SYSTEMS INC | RCRA-CESQG, FINDS |
| SE CORNER OF PARK AND PROSPECT AVE | ERNS |
| ADDISON PARK DIST | FINDS |
| 305 ELM PARK ST | FINDS |
| ELMHURST PARK EAST END POOL | FINDS |
| VILLA PARK ROADWAY & SAN SEWER | FINDS |
| VILLA PARK WET WEATHER STP | FINDS |

# OVERVIEW MAP - 3485323.2s




0 1/4 1/2 1 Miles

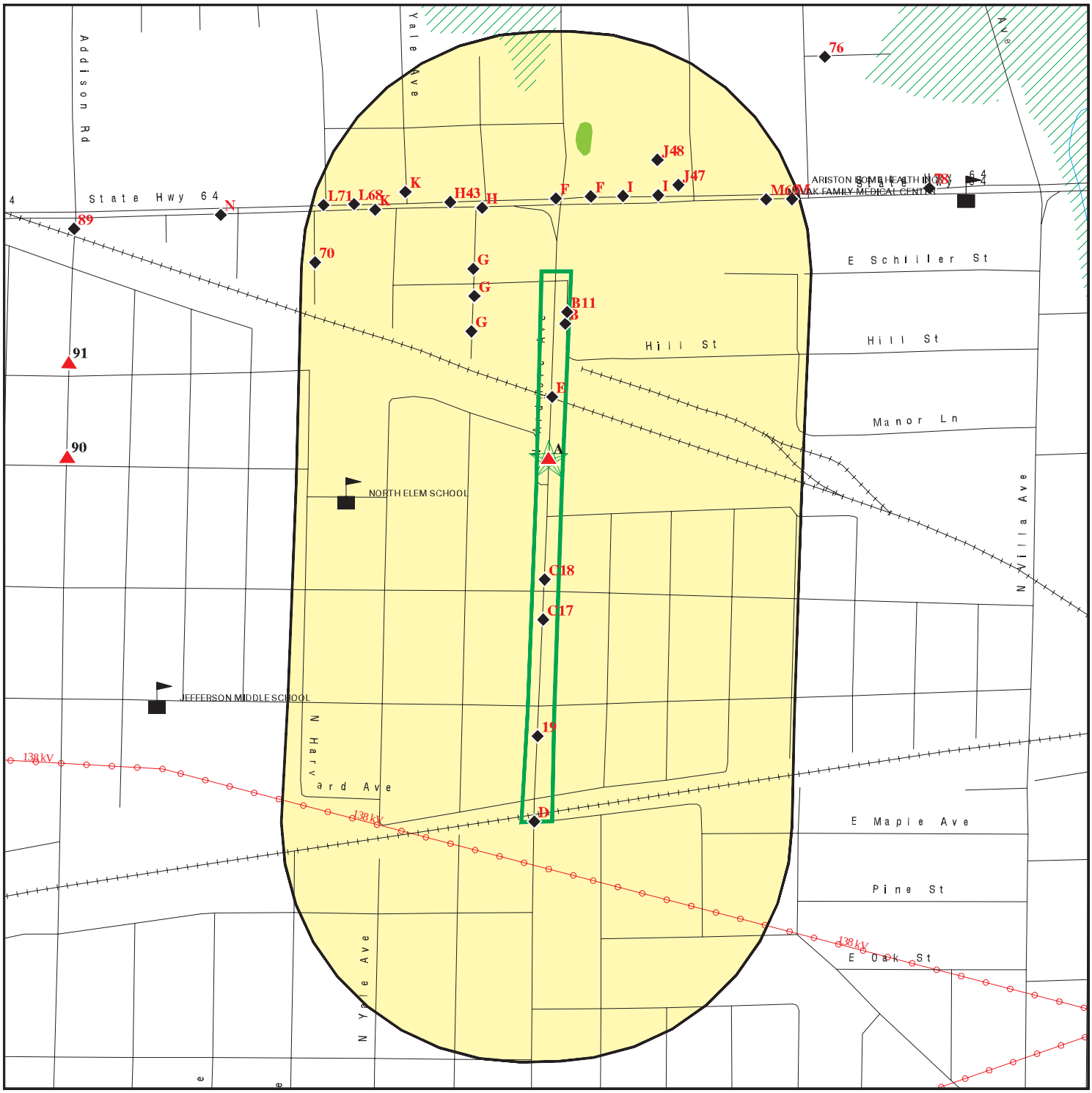
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | |
|---|---|
| SITE NAME: Villa Park Streetscape Project | CLIENT: V3 Companies of IL, LTD |
| ADDRESS: 344-726 N ARDMORE AVE<br>Villa Park IL 60181 | CONTACT: Margie Lathrop<br>INQUIRY #: 3485323.2s |
| LAT/LONG: 41.9016 / 87.9788 | DATE: December 31, 2012 3:17 pm |

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# DETAIL MAP - 3485323.2s




0 1/8 1/4 1/2 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

| | | | |
|---|---|---|---|
| SITE NAME: | Villa Park Streetscape Project | CLIENT: | V3 Companies of IL, LTD |
| ADDRESS: | 344-726 N ARDMORE AVE<br>Villa Park IL 60181 | CONTACT: | Margie Lathrop |
| LAT/LONG: | 41.9016 / 87.9788 | INQUIRY #: | 3485323.2s |
| | | DATE: | December 31, 2012 3:18 pm |

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# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| **STANDARD ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Federal NPL site list*** | | | | | | | | |
| NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| Proposed NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| NPL LIENS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Federal Delisted NPL site list*** | | | | | | | | |
| Delisted NPL | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal CERCLIS list*** | | | | | | | | |
| CERCLIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| FEDERAL FACILITY | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal CERCLIS NFRAP site List*** | | | | | | | | |
| CERC-NFRAP | 0.500 | | 0 | 0 | 1 | NR | NR | 1 |
| ***Federal RCRA CORRACTS facilities list*** | | | | | | | | |
| CORRACTS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***Federal RCRA non-CORRACTS TSD facilities list*** | | | | | | | | |
| RCRA-TSDF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal RCRA generators list*** | | | | | | | | |
| RCRA-LQG | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| RCRA-SQG | 0.250 | | 5 | 6 | NR | NR | NR | 11 |
| RCRA-CESQG | 0.250 | 1 | 4 | 0 | NR | NR | NR | 5 |
| ***Federal institutional controls / engineering controls registries*** | | | | | | | | |
| US ENG CONTROLS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US INST CONTROL | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LUCIS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Federal ERNS list*** | | | | | | | | |
| ERNS | TP | | NR | NR | NR | NR | NR | 0 |
| ***State- and tribal - equivalent CERCLIS*** | | | | | | | | |
| SSU | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| ***State and tribal landfill and/or solid waste disposal site lists*** | | | | | | | | |
| SWF/LF | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| LF SPECIAL WASTE | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| IL NIPC | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| CCDD | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal leaking storage tank lists*** | | | | | | | | |
| LUST | 0.500 | | 7 | 7 | 14 | NR | NR | 28 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| LUST TRUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN LUST | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal registered storage tank lists*** | | | | | | | | |
| UST | 0.250 | 1 | 9 | 7 | NR | NR | NR | 17 |
| INDIAN UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| FEMA UST | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| ***State and tribal institutional control / engineering control registries*** | | | | | | | | |
| ENG CONTROLS | 0.500 | | 1 | 0 | 1 | NR | NR | 2 |
| INST CONTROL | 0.500 | | 1 | 0 | 1 | NR | NR | 2 |
| ***State and tribal voluntary cleanup sites*** | | | | | | | | |
| SRP | 0.500 | | 3 | 0 | 3 | NR | NR | 6 |
| INDIAN VCP | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***State and tribal Brownfields sites*** | | | | | | | | |
| BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **ADDITIONAL ENVIRONMENTAL RECORDS** | | | | | | | | |
| ***Local Brownfield lists*** | | | | | | | | |
| US BROWNFIELDS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Landfill / Solid Waste Disposal Sites*** | | | | | | | | |
| ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| DEBRIS REGION 9 | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| INDIAN ODI | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| ***Local Lists of Hazardous waste / Contaminated Sites*** | | | | | | | | |
| US CDL | TP | | NR | NR | NR | NR | NR | 0 |
| CDL | TP | | NR | NR | NR | NR | NR | 0 |
| US HIST CDL | TP | | NR | NR | NR | NR | NR | 0 |
| ***Local Land Records*** | | | | | | | | |
| LIENS 2 | TP | | NR | NR | NR | NR | NR | 0 |
| ***Records of Emergency Release Reports*** | | | | | | | | |
| HMIRS | TP | | NR | NR | NR | NR | NR | 0 |
| SPILLS | TP | | NR | NR | NR | NR | NR | 0 |
| ***Other Ascertainable Records*** | | | | | | | | |
| RCRA-NonGen | 0.250 | | 0 | 1 | NR | NR | NR | 1 |
| DOT OPS | TP | | NR | NR | NR | NR | NR | 0 |
| DOD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| FUDS | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| CONSENT | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |

# MAP FINDINGS SUMMARY

| Database | Search Distance (Miles) | Target Property | < 1/8 | 1/8 - 1/4 | 1/4 - 1/2 | 1/2 - 1 | > 1 | Total Plotted |
|---|---|---|---|---|---|---|---|---|
| ROD | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| UMTRA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| MINES | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| TRIS | TP | | NR | NR | NR | NR | NR | 0 |
| TSCA | TP | | NR | NR | NR | NR | NR | 0 |
| FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| HIST FTTS | TP | | NR | NR | NR | NR | NR | 0 |
| SSTS | TP | | NR | NR | NR | NR | NR | 0 |
| ICIS | TP | | NR | NR | NR | NR | NR | 0 |
| PADS | TP | | NR | NR | NR | NR | NR | 0 |
| MLTS | TP | | NR | NR | NR | NR | NR | 0 |
| RADINFO | TP | | NR | NR | NR | NR | NR | 0 |
| FINDS | TP | 1 | NR | NR | NR | NR | NR | 1 |
| RAATS | TP | | NR | NR | NR | NR | NR | 0 |
| NPDES | TP | | NR | NR | NR | NR | NR | 0 |
| UIC | TP | | NR | NR | NR | NR | NR | 0 |
| HWAR | TP | | NR | NR | NR | NR | NR | 0 |
| DRYCLEANERS | 0.250 | | 1 | 0 | NR | NR | NR | 1 |
| IMPDMENT | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| TIER 2 | TP | | NR | NR | NR | NR | NR | 0 |
| INDIAN RESERV | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| SCRD DRYCLEANERS | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| COAL ASH | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| US AIRS | TP | | NR | NR | NR | NR | NR | 0 |
| PRP | TP | | NR | NR | NR | NR | NR | 0 |
| 2020 COR ACTION | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| PIMW | 0.250 | | 0 | 0 | NR | NR | NR | 0 |
| EPA WATCH LIST | TP | | NR | NR | NR | NR | NR | 0 |
| US FIN ASSUR | TP | | NR | NR | NR | NR | NR | 0 |
| PCB TRANSFORMER | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH DOE | TP | | NR | NR | NR | NR | NR | 0 |
| Financial Assurance | TP | | NR | NR | NR | NR | NR | 0 |
| COAL ASH EPA | 0.500 | | 0 | 0 | 0 | NR | NR | 0 |
| **EDR HIGH RISK HISTORICAL RECORDS** | | | | | | | | |
| ***EDR Exclusive Records*** | | | | | | | | |
| EDR MGP | 1.000 | | 0 | 0 | 0 | 0 | NR | 0 |
| EDR US Hist Auto Stat | 0.250 | 2 | 11 | 6 | NR | NR | NR | 19 |
| EDR US Hist Cleaners | 0.250 | 2 | 2 | 1 | NR | NR | NR | 5 |

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

**A1**
**Target Property** **724 N ARDMORE AVE**
**VILLA PARK, IL 60181**

**EDR US Hist Auto Stat** **1015616915**
**N/A**

**Site 1 of 6 in cluster A**

**Actual:**
**706 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | MASTER CRAFT AUTO BODY |
| Year: | 1999 |
| Address: | 724 N ARDMORE AVE |
| Name: | MASTER CRAFT AUTO BODY |
| Year: | 2000 |
| Address: | 724 N ARDMORE AVE |
| Name: | MASTER CRAFT AUTO BODY |
| Year: | 2001 |
| Address: | 724 N ARDMORE AVE |
| Name: | MASTER CRAFT AUTO BODY |
| Year: | 2002 |
| Address: | 724 N ARDMORE AVE |
| Name: | MASTER CRAFT AUTO BODY |
| Year: | 2003 |
| Address: | 724 N ARDMORE AVE |
| Name: | MASTER CRAFT AUTO BODY INC |
| Year: | 2004 |
| Address: | 724 N ARDMORE AVE |
| Name: | MASTER CRAFT AUTO BODY |
| Year: | 2005 |
| Address: | 724 N ARDMORE AVE |
| Name: | MASTERCRAFT AUTO BODY INC |
| Year: | 2008 |
| Address: | 724 N ARDMORE AVE |
| Name: | CAR CARE COLLISION CENTERS |
| Year: | 2009 |
| Address: | 724 N ARDMORE AVE |
| Name: | CAR CARE COLLISION CTR |
| Year: | 2010 |
| Address: | 724 N ARDMORE AVE |
| Name: | CARCARE COLLISION CENTERS |
| Year: | 2011 |
| Address: | 724 N ARDMORE AVE |
| Name: | CARCARE COLLISION CENTERSVILLA PARK |
| Year: | 2012 |
| Address: | 724 N ARDMORE AVE |

**A2**
**Target**
**Property**

**CAR CARE COLLISION CENTER**
**724 N ARDMORE**
**VILLA PARK, IL 60181**

**RCRA-CESQG** **1000401784**
**FINDS** **ILD982638280**

**Site 2 of 6 in cluster A**

**Actual:**
**706 ft.**

RCRA-CESQG:

| | |
|---|---|
| Date form received by agency: | 05/30/2008 |
| Facility name: | CAR CARE COLLISION CENTER |
| Facility address: | 724 N ARDMORE<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD982638280 |
| Contact: | TERRY HARN |
| Contact address: | 724 N ARDMORE<br>VILLA PARK, IL 60181 |
| Contact country: | US |
| Contact telephone: | (708) 417-1611 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Description: | Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | CAR CARE COLLISION CENTER |
| Owner/operator address: | 724 N ARDMORE<br>VILLA PARK, IL 60181 |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 05/30/2008 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | CAR CARE COLLISION CENTER |
| Owner/operator address: | 724 N ARDMORE<br>VILLA PARK, IL 60181 |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 05/30/2008 |
| Owner/Op end date: | Not reported |

Handler Activities Summary:
U.S. importer of hazardous waste: No

**CAR CARE COLLISION CENTER (Continued)** **1000401784**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 07/03/1989
Facility name: CAR CARE COLLISION CENTER
Site name: MASTERCRAFT AUTO BODY
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D005
Waste name: BARIUM

Waste code: D006
Waste name: CADMIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT

**CAR CARE COLLISION CENTER (Continued)** **1000401784**

MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005866777

Environmental Interest/Information System
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**A3** **EDR US Hist Cleaners** **1015058091**
**Target Property** **416 N ARDMORE AVE** **N/A**
**VILLA PARK, IL 60181**

**Site 3 of 6 in cluster A**

**Actual: 706 ft.**

EDR Historical Cleaners:
Name: MILLIES CLEANERS
Year: 2001
Address: 416 N ARDMORE AVE

Name: MILLIES CLEANERS
Year: 2002
Address: 416 N ARDMORE AVE

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**A4** **AUTO RIDE CAB OF ELMHURST INC** **UST** **U000857992**
**Target Property** **726 N ARDMORE** **N/A**
**VILLA PARK, IL 60181**

**Site 4 of 6 in cluster A**

**Actual: 706 ft.**

UST:
Facility ID: 2006431
Facility Status: CLOSED
**Facility Type:** **NONE**
Owner Name: Auto Ride Cab Of Elmhurst Inc
Owner Id: U0000993
Owner Address: 726 N Ardmore

**AUTO RIDE CAB OF ELMHURST INC (Continued)** **U000857992**

| | |
|---|---|
| Owner City,St,Zip: | Villa Park, IL 60181 |
| Tank Number: | 1 |
| Tank Capacity: | 6000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 1/1/1980 |
| OSFM First Notify Date: | 3/17/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 2 |
| Tank Capacity: | 300 |
| Tank Substance: | Used Oil |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 3/17/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |

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**A5** **EDR US Hist Cleaners** **1015057737**
**Target Property** **414 N ARDMORE AVE** **N/A**
**VILLA PARK, IL 60181**

**Site 5 of 6 in cluster A**

**Actual: 706 ft.**

EDR Historical Cleaners:

| | |
|---|---|
| Name: | ARDMORE LAUNDROMAT |
| Year: | 1999 |
| Address: | 414 N ARDMORE AVE |
| Name: | ARDMORE LAUNDROMAT |
| Year: | 2000 |
| Address: | 414 N ARDMORE AVE |
| Name: | ARDMORE LAUNDROMAT |
| Year: | 2003 |
| Address: | 414 N ARDMORE AVE |
| Name: | ARDMORE LAUNDROMAT |
| Year: | 2004 |
| Address: | 414 N ARDMORE AVE |
| Name: | LEISURE TIME LAUNDRY |
| Year: | 2012 |

**(Continued)** **1015057737**

Address: 414 N ARDMORE AVE

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**A6** **EDR US Hist Auto Stat** **1015620887**
**Target Property** **736 N ARDMORE AVE** **N/A**
**VILLA PARK, IL 60181**

**Site 6 of 6 in cluster A**

**Actual: 706 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | S LS AUTOMOTIVE ENTERPRISES |
| Year: | 1999 |
| Address: | 736 N ARDMORE AVE |
| Name: | S LS AUTOMOTIVE ENTERPRISES |
| Year: | 2000 |
| Address: | 736 N ARDMORE AVE |
| Name: | SALES AUTOMOTIVE ENTERPRISES |
| Year: | 2001 |
| Address: | 736 N ARDMORE AVE |
| Name: | SLS AUTOMOTIVE ENTERPRISES |
| Year: | 2002 |
| Address: | 736 N ARDMORE AVE |
| Name: | SLS AUTOMOTIVE ENTERPRISES INC |
| Year: | 2003 |
| Address: | 736 N ARDMORE AVE |
| Name: | SLS AUTOMOTIVE ENTERPRISES INC |
| Year: | 2004 |
| Address: | 736 N ARDMORE AVE |
| Name: | SLS AUTOMOTIVE ENTERPRISES |
| Year: | 2006 |
| Address: | 736 N ARDMORE AVE |
| Name: | SLS AUTOMOTIVE ENTERPRISES INC |
| Year: | 2007 |
| Address: | 736 N ARDMORE AVE |

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**B7** **COMMERCIAL BUILDING** **UST** **U003715277**
**714 N. ARDMORE AVE.** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 1 of 11 in cluster B**

**Relative: Lower**

**Actual: 697 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2039205 |
| Facility Status: | EXEMPT |
| **Facility Type:** | **NONE** |
| Owner Name: | Robert Burton |
| Owner Id: | U0028974 |
| Owner Address: | 519 S. Warren Ave. |
| Owner City,St,Zip: | Palatine, IL 60067 |

**COMMERCIAL BUILDING (Continued)** **U003715277**

| | |
|---|---|
| Tank Number: | 1 |
| Tank Capacity: | 1000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 12/31/1973 |
| OSFM First Notify Date: | Not reported |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

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**B8** **SCHAMBERGER BROTHERS INC.** **LUST** **S105537225**
**101 EAST HILL ST.** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 2 of 11 in cluster B**

**Relative:**
**Lower**

**Actual:**
**695 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 990719 |
| IL EPA Id: | 0430805106 |
| Product: | Gasoline, Deisel |
| IEMA Date: | 03/25/1999 |
| Project Manager: | Zuehlke |
| Project Manager Phone: | (217) 557-6937 |
| Email: | Wayne.Zuehlke@illinois.gov |
| PRP Name: | Schamberger Brothers |
| PRP Contact: | Joe Schamberger |
| PRP Address: | P.O. Box 7440 |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 6308326013 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 05/04/1999 |
| 45 Report Received: | 06/21/1999 |
| **NFA/NFR Letter:** | **05/06/2002** |
| NFR Date Recorded: | 05/22/2002 |

| | |
|---|---|
| Incident Num: | 940959 |
| IL EPA Id: | 0430805106 |
| Product: | Gasoline |
| IEMA Date: | 04/29/1994 |
| Project Manager: | Zuehlke |
| Project Manager Phone: | (217) 557-6937 |
| Email: | Wayne.Zuehlke@illinois.gov |
| PRP Name: | Schamberger Brothers Inc. |
| PRP Contact: | Joe Schamberger |
| PRP Address: | 101 East Hill St., P.O. Box 399 |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |

**SCHAMBERGER BROTHERS INC. (Continued)** **S105537225**

| | |
|---|---|
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 06/01/1994 |
| 45 Report Received: | 12/12/2001 |
| **NFA/NFR Letter:** | **05/06/2002** |
| NFR Date Recorded: | 05/22/2002 |

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**B9** **EDR US Hist Auto Stat** **1015521807**
**50 E HILL ST** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 3 of 11 in cluster B**

**Relative: Lower**

**Actual: 699 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | EDS AUTO INTERIORS & MARINE |
| Year: | 2010 |
| Address: | 50 E HILL ST |
| Name: | EDS AUTO INTERIORS MAR CANVAS |
| Year: | 2012 |
| Address: | 50 E HILL ST |

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**B10** **BURTON, ROBERT R.** **LUST** **S104530164**
**714 NORTH ARDMORE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 4 of 11 in cluster B**

**Relative: Lower**

**Actual: 697 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 992567 |
| IL EPA Id: | 0430805132 |
| Product: | Gasoline |
| IEMA Date: | 11/16/1999 |
| Project Manager: | Emerson |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Robert R. Burton |
| PRP Contact: | Not reported |
| PRP Address: | 519 South Warren Ave. |
| PRP City,St,Zip: | Palatine, IL 60067 |
| PRP Phone: | 8472534321 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | Not reported |
| 45 Report Received: | 01/10/2000 |
| **NFA/NFR Letter:** | **03/22/2000** |
| NFR Date Recorded: | 04/12/2000 |

**B11** **INGSTRUP PAVING, INC.** **LUST U001135440**
**201 EAST HILL STREET** **UST N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 5 of 11 in cluster B**

**Relative:**
**Lower**

**Actual:**
**690 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 990726 |
| IL EPA Id: | 0430805129 |
| Product: | Gasoline, Deisel |
| IEMA Date: | 03/26/1999 |
| Project Manager: | Davis |
| Project Manager Phone: | (217) 785-7492 |
| Email: | Valerie.A.Davis@illinois.gov |
| PRP Name: | Ingstrup Paving Inc. |
| PRP Contact: | Joseph Ingstrup |
| PRP Address: | 201 East Hill St. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 6302799224 |
| Site Classification: | NFA |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 04/09/1999 |
| 45 Report Received: | 05/11/1999 |
| **NFA/NFR Letter:** | **05/11/2000** |
| NFR Date Recorded: | 08/08/2000 |

UST:

| | |
|---|---|
| Facility ID: | 2017991 |
| Facility Status: | ACTIVE |
| **Facility Type:** | **CONSTRUCTION** |
| Owner Name: | Ingstrup Paving, Inc. |
| Owner Id: | U0007539 |
| Owner Address: | 201 East Hill Street |
| Owner City,St,Zip: | Villa Park, IL 60181 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 10000 |
| Tank Substance: | Gasoline |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 4/16/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **M005294** |
| **Green Tag Issue Date:** | **8/1/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **8/1/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |
| | |
| Tank Number: | 2 |
| Tank Capacity: | 10000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 4/16/1986 |
| **Tank Status:** | **Removed** |

**INGSTRUP PAVING, INC. (Continued)** **U001135440**

| | |
|---|---|
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **M005294** |
| **Green Tag Issue Date:** | **8/1/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **8/1/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 3 |
| Tank Capacity: | 10000 |
| Tank Substance: | Gasoline |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 4/16/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **M005294** |
| **Green Tag Issue Date:** | **8/1/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **8/1/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 4 |
| Tank Capacity: | 6000 |
| Tank Substance: | Gasoline |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 6/1/1999 |
| **Tank Status:** | **Currently in use** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 3/24/1999 |
| **Green Tag Decal:** | **M005294** |
| **Green Tag Issue Date:** | **8/1/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **8/1/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 5 |
| Tank Capacity: | 6000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 6/1/1999 |
| **Tank Status:** | **Currently in use** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 3/24/1999 |
| **Green Tag Decal:** | **M005294** |
| **Green Tag Issue Date:** | **8/1/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **8/1/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

**B12** **WESTWAY COACH INC** **UST** **U001134667**
**100 E HILL ST** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 6 of 11 in cluster B**

**Relative:** UST:
**Lower**

| | |
|---|---|
| Facility ID: | 2024777 |
| Facility Status: | ACTIVE |
| **Facility Type:** | **COMMERCIAL / RETAIL** |
| Owner Name: | Westway Coach Inc |
| Owner Id: | U0016287 |
| Owner Address: | 100 E Hill St |
| Owner City,St,Zip: | Villa Park, IL 60181 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 12000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 9/26/1988 |
| **Tank Status:** | **Currently in use** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1981 |
| **Green Tag Decal:** | **L000624** |
| **Green Tag Issue Date:** | **2/2/2010** |
| **Green Tag Expire Date:** | **12/31/2012** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |
| | |
| Tank Number: | 2 |
| Tank Capacity: | 12000 |
| Tank Substance: | Gasoline |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 9/26/1988 |
| **Tank Status:** | **Currently in use** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1981 |
| **Green Tag Decal:** | **L000624** |
| **Green Tag Issue Date:** | **2/2/2010** |
| **Green Tag Expire Date:** | **12/31/2012** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |
| | |
| Tank Number: | 3 |
| Tank Capacity: | 1000 |
| Tank Substance: | Used Oil |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 9/26/1988 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1981 |
| **Green Tag Decal:** | **L000624** |
| **Green Tag Issue Date:** | **2/2/2010** |
| **Green Tag Expire Date:** | **12/31/2012** |
| **Self Service Permit Inspection Date:** | **Not reported** |

**Actual:**
**695 ft.**

**WESTWAY COACH INC (Continued)** **U001134667**

**Self Service Permit Expire Date:** **Not reported**
Fee Due: $0.00

---

**B13** **SCHAMBERGER BROS INC** **UST** **U001135447**
**101 E HILL ST P.O. BOX 7440** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 7 of 11 in cluster B**

**Relative:**
**Lower**

**Actual:**
**695 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2025466 |
| Facility Status: | CLOSED |
| **Facility Type:** | **OTHER** |
| Owner Name: | Schamberger Bros Inc |
| Owner Id: | U0013481 |
| Owner Address: | 101 E Hill St P.O.Box 7440 |
| Owner City,St,Zip: | Villa Park, IL 60181 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 8000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | 7/7/1998 |
| OSFM First Notify Date: | 4/13/1990 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 2 |
| Tank Capacity: | 4000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 11/11/1998 |
| OSFM First Notify Date: | 4/13/1990 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

**B14** **AREA EQUIPMENT** **RCRA-CESQG** **1009398671**
**150 E HILL ST** **ILR000141101**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 8 of 11 in cluster B**

**Relative:**
**Lower**

**Actual:**
**692 ft.**

RCRA-CESQG:

| | |
|---|---|
| Date form received by agency: | 04/13/2006 |
| Facility name: | AREA EQUIPMENT |
| Facility address: | 150 E HILL ST<br>VILLA PARK, IL 60181 |
| EPA ID: | ILR000141101 |
| Contact: | JOHN DOAN |
| Contact address: | Not reported<br>Not reported |
| Contact country: | Not reported |
| Contact telephone: | (630) 834-5908 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Description: | Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | AREA EQUIPMENT |
| Owner/operator address: | Not reported<br>Not reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 04/13/2006 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | AREA EQUIPMENT |
| Owner/operator address: | Not reported<br>Not reported |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 04/13/2006 |
| Owner/Op end date: | Not reported |

Handler Activities Summary:
U.S. importer of hazardous waste: No

**AREA EQUIPMENT (Continued)** **1009398671**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

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**B15** **WESTWAY COACH INC** **RCRA-SQG 1000422856**
**100 E HILL ST** **FINDS ILD056649080**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 9 of 11 in cluster B**

**Relative: Lower**

**Actual: 695 ft.**

RCRA-SQG:
Date form received by agency: 01/04/2005
Facility name: WESTWAY COACH INC
Facility address: 100 E HILL ST
VILLA PARK, IL 60181
EPA ID: ILD056649080
Contact: DON BANERMAN
Contact address: 100 E HILL ST
VILLA PARK, IL 60181
Contact country: US
Contact telephone: (312) 279-2720
Contact email: Not reported
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: COOK ILLINOIS CORP

**WESTWAY COACH INC (Continued)** **1000422856**

Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/22/1988
Facility name: WESTWAY COACH INC
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005833054

**WESTWAY COACH INC (Continued)** **1000422856**

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

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**B16** **JOHNSON & BARTELS CEMENT CO.** **UST** **U003985107**
**708 N. ARDMORE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 10 of 11 in cluster B**

**Relative: Lower**

**Actual: 701 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2042480 |
| Facility Status: | EXEMPT |
| **Facility Type:** | **NONE** |
| Owner Name: | Ethel Bartels |
| Owner Id: | U0032322 |
| Owner Address: | Not reported |
| Owner City,St,Zip: | Not reported |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 1000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 12/31/1973 |
| OSFM First Notify Date: | 2/28/2005 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1960 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

**C17** **SUNSET APARTMENTS** **SRP** **S104959750**
**481-557 NORTH ARDMORE AVENUE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 1 of 2 in cluster C**

**Relative:** SRP:
**Lower**

| | |
|---|---|
| IL EPA Id: | 0430805056 |
| US EPA Id: | Not reported |
| **Actual:** Longitude: | -87.97839 |
| **691 ft.** Latitude: | 41.89992 |
| Contact Name: | Edward Streit |
| Contact Address: | 200 West Galena Boulevard |
| Contact Address2: | Suite 205 |
| Contact City,St,Zip: | Aurora, IL 60506- |
| Contact Phone: | (312) 630-7400 |
| Date Enrolled: | 03/01/2001 |
| Point Of Contact: | Marshall Levy |
| Consultant Company: | Wang Engineering, Inc. |
| Consultant Address: | 450 Fenton Lane |
| Consultant Address2: | Unit 901B |
| Consultant City,St,Zip: | West Chicago, IL 60185- |
| Consultant Phone: | (630) 231-7733 |
| Proj Mgr Assigned: | Catlin |
| Sec. 4 Letter Date: | Not reported |
| NFR Recorded: | 12/03/2001 |
| Active: | False |
| Total Acres: | 1.47 |
| No Further Remediation Letter Dt: | 11/27/2001 |
| Remediation Applicant Co: | Law Offices of Edward F. Streit |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | Mr. Edward Streit |
| Remediation Applicant Company: | Law Office of Edward F. Streit |
| Remediation Applicant Address: | 2000 West Galena Boulevard |
| Remediation Applicant Address 2: | Suite 205 |
| Remediation Applicant City,St,Zip: | Aurora, IL 60506- |
| Illinois EPA: | 0430805056 |
| Site Name: | Sunset Apartments |
| NFR Letter: | 2001-11-27 |
| NFR Letter Date Recorded: | 2001-12-03 |
| Site Type: | Residential |
| Comprehensive/Focused: | Focused |
| Institutional Controls: | Not reported |
| Barrier: | Not reported |
| Worker Caution: | False |
| Acres: | 1.47 |

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**C18** **SUNSET APARTMENTS** **LUST** **S104526324**
**515 NORTH ARDMORE AVE.** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 2 of 2 in cluster C**

**Relative:** LUST:
**Lower**

| | |
|---|---|
| Incident Num: | 910014 |
| IL EPA Id: | 0430805056 |
| **Actual:** Product: | Deisel |
| **693 ft.** IEMA Date: | 01/02/1991 |
| Project Manager: | NOT ASSIGNED |

**SUNSET APARTMENTS (Continued)** **S104526324**

| | |
|---|---|
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Sunset Apartments |
| PRP Contact: | Stephan Travis |
| PRP Address: | 481 North Ardmore, Apt. 1A |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | 2000-10-30 |
| 20 Report Received: | Not reported |
| 45 Report Received: | Not reported |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

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**19** **SANNASARDO & ZENZOLA PARTNERSHIP** **ENG CONTROLS** **S106121993**
**415 NORTH ARDMORE AVENUE** **INST CONTROL** **N/A**
**< 1/8** **VILLA PARK, IL 60181** **SRP**
**1 ft.**

**Relative:**
**Lower**

**Actual:**
**690 ft.**

ENGINEERING CONTROLS:

| | |
|---|---|
| Illinois Epa Id: | 0430805155 |
| NFR Letter: | 12/02/2003 |
| Date NFR Recorded: | 12/10/2003 |
| Type Of Site: | Industrial/Commercial |
| Comprehensive / Focused: | Focused |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | Guy Zenzola |
| RA Company: | Sannasardo & Zenzola Partnership |
| RA Address: | 415 North Ardmore Avenue |
| RA Secondary Address: | Suite A |
| RA City,St,Zip: | Villa Park, IL 60181- |
| Institutional Controls: | Groundwater use restriction |
| Engineered Barriers: | Asphalt barrier/Building foundation |
| Worker Caution: | True |
| Acres: | 0.439 |

IL INSTUTIONAL CONTROL:

| | |
|---|---|
| Illinois EPA Id: | 0430805155 |
| NFR Letter: | 12/02/2003 |
| Date NFR Recorded: | 12/10/2003 |
| Type Of Site: | Industrial/Commercial |
| Comprehensive / Focused: | Focused |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | Guy Zenzola |
| RA Company: | Sannasardo & Zenzola Partnership |
| RA Address: | 415 North Ardmore Avenue |
| RA Secondary Address: | Suite A |
| RA City,St,Zip: | Villa Park, IL 60181- |
| Institutional Controls: | Groundwater use restriction |
| Engineered Barriers: | Asphalt barrier/Building foundation |
| Worker Caution: | True |
| Acres: | 0.439 |

SRP:

| | |
|---|---|
| IL EPA Id: | 0430805155 |

**SANNASARDO & ZENZOLA PARTNERSHIP (Continued)** **S106121993**

| | |
|---|---|
| US EPA Id: | Not reported |
| Longitude: | -87.97861 |
| Latitude: | 41.89762 |
| Contact Name: | Guy Zenzola |
| Contact Address: | 415 North Ardmore Avenue |
| Contact Address2: | Suite A |
| Contact City,St,Zip: | Villa Park, IL 60181- |
| Contact Phone: | (630) 834-9933 |
| Date Enrolled: | 07/07/2003 |
| Point Of Contact: | Nicholas J. Cuzzone, P.E. |
| Consultant Company: | EPS Environmental Services, Inc. |
| Consultant Address: | 7237 West Devon Avenue |
| Consultant Address2: | Not reported |
| Consultant City,St,Zip: | Chicago, IL 60631- |
| Consultant Phone: | (773) 792-3090 |
| Proj Mgr Assigned: | Crompton |
| Sec. 4 Letter Date: | Not reported |
| NFR Recorded: | 12/10/2003 |
| Active: | False |
| Total Acres: | 0.44 |
| No Further Remediation Letter Dt: | 12/02/2003 |
| Remediation Applicant Co: | Sannasardo & Zenzola Partnership |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | Mr. Guy Zenzola |
| Remediation Applicant Company: | Sannasardo & Zenzola Partnership |
| Remediation Applicant Address: | 415 North Ardmore Avenue |
| Remediation Applicant Address 2: | Suite A |
| Remediation Applicant City,St,Zip: | Villa Park, IL 60181- |
| Illinois EPA: | 0430805155 |
| Site Name: | Sannasardo & Zenzola Partnership |
| NFR Letter: | 2003-12-02 |
| NFR Letter Date Recorded: | 2003-12-10 |
| Site Type: | Industrial/Commercial |
| Comprehensive/Focused: | Focused |
| Institutional Controls: | Groundwater use restriction |
| Barrier: | Asphalt barrier/Building foundation |
| Worker Caution: | True |
| Acres: | 0.439 |

---

**D20** **EDR US Hist Auto Stat** **1015443582**
**N/A**

**351 N ARDMORE AVE**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 1 of 2 in cluster D**

**Relative:** EDR Historical Auto Stations:
**Lower**

| | |
|---|---|
| Name: | TYLERS AUTO REPAIR & TOWING |
| Year: | 2005 |
| **Actual:** Address: | 351 N ARDMORE AVE |
| **697 ft.** | |
| Name: | TYLERS AUTO REPAIR & TOWING |
| Year: | 2006 |
| Address: | 351 N ARDMORE AVE |
| Name: | TYLERS AUTO REPAIR & TOWING |
| Year: | 2007 |
| Address: | 351 N ARDMORE AVE |

**(Continued)** **1015443582**

Name: TYLERS AUTO REPAIR
Year: 2010
Address: 351 N ARDMORE AVE

---

**D21** **TYLERS SERVICE & TOWING INC** **LUST U003669428**
**351 NORTH ARDMORE** **UST N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 2 of 2 in cluster D**

**Relative:**
**Lower**

**Actual:**
**697 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 990368 |
| IL EPA Id: | 0430805128 |
| Product: | Fuel Oil |
| IEMA Date: | 02/16/1999 |
| Project Manager: | Carlock |
| Project Manager Phone: | (217) 782-6762 |
| Email: | Not reported |
| PRP Name: | Tyler Service & Towing |
| PRP Contact: | William Tyler |
| PRP Address: | 351 North Ardmore Ave. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 6302797755 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 04/07/1999 |
| 45 Report Received: | 10/13/1999 |
| **NFA/NFR Letter:** | **02/07/2000** |
| NFR Date Recorded: | 07/03/2000 |

UST:

| | |
|---|---|
| Facility ID: | 2037373 |
| Facility Status: | EXEMPT |
| **Facility Type:** | **NONE** |
| Owner Name: | Tylers Service & Towing Inc |
| Owner Id: | U0027617 |
| Owner Address: | 351 North Ardmore |
| Owner City,St,Zip: | Villa Park, IL 60181 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 8000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 4/1/1972 |
| OSFM First Notify Date: | 9/11/1998 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1902 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

**TYLERS SERVICE & TOWING INC (Continued)** **U003669428**

| | |
|---|---|
| Tank Number: | 2 |
| Tank Capacity: | 8000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 4/1/1972 |
| OSFM First Notify Date: | 9/11/1998 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1902 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 3 |
| Tank Capacity: | 1000 |
| Tank Substance: | Used Oil |
| Last Used Date: | 4/1/1972 |
| OSFM First Notify Date: | 9/11/1998 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1902 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 4 |
| Tank Capacity: | 550 |
| Tank Substance: | Heating Oil |
| Last Used Date: | 4/1/1972 |
| OSFM First Notify Date: | 9/11/1998 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 1/1/1902 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

---

**E22** **MAJOR-PRIME PLASTICS** **SRP** **S105600663**
**649 NORTH ARDMORE AVENUE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 1 of 3 in cluster E**

**Relative:** SRP:
**Lower**

| | |
|---|---|
| IL EPA Id: | 0430805005 |
| US EPA Id: | ILR000049692 |
| Longitude: | -87.97441 |
| Latitude: | 41.90263 |

**Actual:**
**701 ft.**

**MAJOR-PRIME PLASTICS (Continued)** **S105600663**

| | |
|---|---|
| Contact Name: | Devin Sprinkle |
| Contact Address: | 17641 South Ashland Avenue |
| Contact Address2: | Not reported |
| Contact City,St,Zip: | Homewood, IL 60430- |
| Contact Phone: | (708) 647-3850 |
| Date Enrolled: | 08/19/2002 |
| Point Of Contact: | Steven Mrkvicka |
| Consultant Company: | TRC |
| Consultant Address: | 300 South Riverside Plaza |
| Consultant Address2: | Suite 1560 South |
| Consultant City,St,Zip: | Chicago, IL 60606-6637 |
| Consultant Phone: | (312) 993-8481 |
| Proj Mgr Assigned: | Irwin |
| Sec. 4 Letter Date: | Not reported |
| NFR Recorded: | Not reported |
| Active: | False |
| Total Acres: | 1 |
| No Further Remediation Letter Dt: | Not reported |
| Remediation Applicant Co: | Canadian National/Illinois Central |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | Not reported |
| Remediation Applicant Company: | Not reported |
| Remediation Applicant Address: | Not reported |
| Remediation Applicant Address 2: | Not reported |
| Remediation Applicant City,St,Zip: | Not reported |
| Illinois EPA: | Not reported |
| Site Name: | Not reported |
| NFR Letter: | Not reported |
| NFR Letter Date Recorded: | Not reported |
| Site Type: | Not reported |
| Comprehensive/Focused: | Not reported |
| Institutional Controls: | Not reported |
| Barrier: | Not reported |
| Worker Caution: | Not reported |
| Acres: | Not reported |

---

**B23** **JOHNSON & BARTELS CEMENT COMPANY** **LUST S108046631**
**708 NORTH ARDMORE STREET** **SPILLS N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 11 of 11 in cluster B**

**Relative: Lower**

**Actual: 701 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 20041782 |
| IL EPA Id: | 0430805159 |
| Product: | Gasoline |
| IEMA Date: | 12/22/2004 |
| Project Manager: | Dilbaitis |
| Project Manager Phone: | (217) 785-8378 |
| Email: | Bradley.Dilbaitis@illinois.gov |
| PRP Name: | Not reported |
| PRP Contact: | Not reported |
| PRP Address: | Not reported |
| PRP City,St,Zip: | Not reported |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | P.A. |

**JOHNSON & BARTELS CEMENT COMPANY (Continued)** **S108046631**

Date Section 57.5(g) Letter: Not reported
Non LUST Determination Letter: Not reported
20 Report Received: 02/17/2005
45 Report Received: 04/08/2005
**NFA/NFR Letter:** **05/25/2005**
NFR Date Recorded: 06/13/2005

SPILLS:
Incident ID: 20041782
Incident Date: 12/22/2004
Date Received: 12/22/2004
Facility Address: 708 NORTH ARDMORE ST.
Facility City: VILLA PARK
PRP Name: JOHNSON & BARTELS CEMENT COMPANY
AC: Not reported

---

**E24** **MAJOR PRIME PLASTICS INC** **UST** **U001386141**
**649 N ARDMORE AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 2 of 3 in cluster E**

**Relative:**
**Lower**

**Actual:**
**701 ft.**

UST:
Facility ID: 2032073
Facility Status: CLOSED
**Facility Type:** **PRIVATE INSTITUTION**
Owner Name: Major Prime Plastics Inc
Owner Id: U0021573
Owner Address: 649 N Ardmore Ave
Owner City,St,Zip: Villa Park, IL 60181

Tank Number: 1
Tank Capacity: 10000
Tank Substance: Gasoline
Last Used Date: 2/1/1998
OSFM First Notify Date: 4/23/1993
**Tank Status:** **Removed**
Red Tag Issue Date: Not reported
Install Date: 2/1/1980
**Green Tag Decal:** **Not reported**
**Green Tag Issue Date:** **Not reported**
**Green Tag Expire Date:** **Not reported**
**Self Service Permit Inspection Date:** **Not reported**
**Self Service Permit Expire Date:** **Not reported**
Fee Due: Not reported

**E25** **MAJOR PRIME PLASTICS** **RCRA-CESQG** **1004696469**
**649 N ARDMORE AVE** **FINDS** **ILR000049692**
**< 1/8** **VILLA PARK, IL 60181**
**1 ft.**

**Site 3 of 3 in cluster E**

**Relative:**
**Lower**

**Actual:**
**701 ft.**

RCRA-CESQG:

| | |
|---|---|
| Date form received by agency: | 04/08/1998 |
| Facility name: | MAJOR PRIME PLASTICS |
| Facility address: | 649 N ARDMORE AVE<br>VILLA PARK, IL 60181 |
| EPA ID: | ILR000049692 |
| Contact: | JOHN MIGUEL |
| Contact address: | 649 N ARDMORE AVE<br>VILLA PARK, IL 60181 |
| Contact country: | US |
| Contact telephone: | (630) 834-9400 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Conditionally Exempt Small Quantity Generator |
| Description: | Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | MAJOR PRIME PLASTICS |
| Owner/operator address: | 649 N ARDMORE AVE<br>VILLA PARK, IL 60181 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (630) 834-9400 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |

**MAJOR PRIME PLASTICS (Continued)** **1004696469**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005963403

Environmental Interest/Information System
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**F26** **EDR US Hist Auto Stat** **1015521205**
**North** **5 E NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.069 mi.**
**362 ft.** **Site 1 of 4 in cluster F**

**Relative:**
**Lower**

**Actual:**
**682 ft.**

EDR Historical Auto Stations:
Name: MIDAS AUTO SYSTEMS EXPERTS
Year: 1999
Address: 5 E NORTH AVE

Name: MIDAS AUTO SERVICE EXPERTS
Year: 2001
Address: 5 E NORTH AVE

Name: MIDAS MUFFLER
Year: 2004
Address: 5 E NORTH AVE

Name: MIDAS AUTO SVC EXPERTS
Year: 2010
Address: 5 E NORTH AVE

Name: MIDAS AUTO SERVICE EXPERTS
Year: 2011

**(Continued)** **1015521205**

Address: 5 E NORTH AVE

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**G27** **EDR US Hist Cleaners** **1015091544**
**NNW** **725 N PRINCETON AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.069 mi.**
**365 ft.** **Site 1 of 7 in cluster G**

**Relative:**
**Lower**

**Actual:**
**688 ft.**

EDR Historical Cleaners:

| | |
|---|---|
| Name: | DSI DRY CLEANERS |
| Year: | 2010 |
| Address: | 725 N PRINCETON AVE |
| Name: | DSL DRYCLEANERS |
| Year: | 2011 |
| Address: | 725 N PRINCETON AVE |
| Name: | DSL DRYCLEANERS |
| Year: | 2012 |
| Address: | 725 N PRINCETON AVE |

---

**G28** **DSI CLEANERS** **DRYCLEANERS** **S109528302**
**NNW** **725 NORTH PRINCETON UNIT E** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.069 mi.**
**365 ft.** **Site 2 of 7 in cluster G**

**Relative:**
**Lower**

**Actual:**
**688 ft.**

DRYCLEANERS:

| | |
|---|---|
| Facility Id: | 3865-4822-01 |
| DC No: | DC-00201 |
| Facility Contact: | STEVE ROHN |
| License Expires: | 12/31/2012 |

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**G29** **MODULAR CONTROLS** **RCRA-SQG** **1000425397**
**NNW** **742 N PRINCETON** **FINDS** **ILD050053206**
**< 1/8** **VILLA PARK, IL 60181**
**0.071 mi.**
**374 ft.** **Site 3 of 7 in cluster G**

**Relative:**
**Lower**

**Actual:**
**686 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 11/13/1987 |
| Facility name: | MODULAR CONTROLS |
| Facility address: | 742 N PRINCETON<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD050053206 |
| Contact: | STEVE CLIFF |
| Contact address: | 742 N PRINCETON<br>VILLA PARK, IL 60181 |
| Contact country: | US |
| Contact telephone: | (312) 530-3350 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of |

**MODULAR CONTROLS (Continued)** **1000425397**

hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | NAME NOT REPORTED |
| Owner/operator address: | ADDRESS NOT REPORTED |
| | CITY NOT REPORTED, AK 99998 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (312) 555-1212 |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | VICKERS INC |
| Owner/operator address: | ADDRESS NOT REPORTED |
| | CITY NOT REPORTED, AK 99998 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (312) 555-1212 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste code: | D000 |
| Waste name: | Not Defined |

| | |
|---|---|
| Waste code: | F001 |
| Waste name: | THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES. |

**MODULAR CONTROLS (Continued)** **1000425397**

Waste code: U080
Waste name: METHANE, DICHLORO-

Violation Status: No violations found

FINDS:

Registry ID: 110005830324

Environmental Interest/Information System
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**G30** **EDR US Hist Auto Stat** **1015621981**
**NNW** **740 N PRINCETON AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.071 mi.**
**375 ft.** **Site 4 of 7 in cluster G**

**Relative:**
**Lower**

**Actual:**
**686 ft.**

EDR Historical Auto Stations:
Name: A & R AUTO REPAIR
Year: 2002
Address: 740 N PRINCETON AVE

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**G31** **EDR US Hist Auto Stat** **1015610786**
**NNW** **710 N PRINCETON AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.071 mi.**
**377 ft.** **Site 5 of 7 in cluster G**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

EDR Historical Auto Stations:
Name: A & J BODY REPAIR
Year: 2000
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2001
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2002
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2003
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2004

**(Continued)** **1015610786**

Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2008
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2009
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2010
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2011
Address: 710 N PRINCETON AVE

Name: A & J BODY REPAIR
Year: 2012
Address: 710 N PRINCETON AVE

---

**G32** **SAICOR INC** **RCRA-SQG** **1000861135**
**NNW** **708 N PRINCETON** **FINDS** **IL0000045708**
**< 1/8** **VILLA PARK, IL 60181**
**0.071 mi.**
**377 ft.** **Site 6 of 7 in cluster G**

**Relative:**
**Lower**

**Actual:**
**690 ft.**

RCRA-SQG:
Date form received by agency: 11/01/1993
Facility name: SAICOR INC
Facility address: 708 N PRINCETON
VILLA PARK, IL 60181
EPA ID: IL0000045708
Contact: IDRIS ATCHA
Contact address: 708 N PRINCETON
VILLA PARK, IL 60181
Contact country: US
Contact telephone: (708) 530-0350
Contact email: Not reported
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: ATCHA IDRIS
Owner/operator address: 708 N PRINCETON
VILLA PARK, IL 60181
Owner/operator country: Not reported
Owner/operator telephone: (708) 530-0350
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported

**SAICOR INC (Continued)** **1000861135**

Owner/Op end date: Not reported

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005795504

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge

**SAICOR INC (Continued)** **1000861135**

Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

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**G33** **EDR US Hist Auto Stat** **1015608994**
**NNW** **706 N PRINCETON AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.072 mi.**
**378 ft.** **Site 7 of 7 in cluster G**

**Relative:**
**Lower**

**Actual:**
**690 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | SANTOS AUTO REPAIR |
| Year: | 2002 |
| Address: | 706 N PRINCETON AVE |
| Name: | SANTOS AUTO REPAIR |
| Year: | 2003 |
| Address: | 706 N PRINCETON AVE |
| Name: | SANTOS AUTO REPAIR |
| Year: | 2004 |
| Address: | 706 N PRINCETON AVE |
| Name: | SANTOS AUTO REPAIR |
| Year: | 2006 |
| Address: | 706 N PRINCETON AVE |
| Name: | SANTOS AUTO REPAIR |
| Year: | 2007 |
| Address: | 706 N PRINCETON AVE |
| Name: | JOSE SANTOS AUTO REPAIR INC |
| Year: | 2010 |
| Address: | 706 N PRINCETON AVE |
| Name: | JOSE SANTOS AUTO REPAIR INC |
| Year: | 2011 |
| Address: | 706 N PRINCETON AVE |
| Name: | JOSE SANTOS AUTO REPAIR INC |
| Year: | 2012 |
| Address: | 706 N PRINCETON AVE |

---

**F34** **EDR US Hist Auto Stat** **1015362237**
**North** **25 E NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.072 mi.**
**379 ft.** **Site 2 of 4 in cluster F**

**Relative:**
**Lower**

**Actual:**
**682 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | WORLD AUTO BODY |
| Year: | 2005 |
| Address: | 25 E NORTH AVE |

**F35** **EDR US Hist Auto Stat** **1015636927**
**North** **8 W NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.076 mi.**
**401 ft.** **Site 3 of 4 in cluster F**

**Relative:**
**Lower**

**Actual:**
**682 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | MERLINS MUFFLER & BRAKE |
| Year: | 2001 |
| Address: | 8 W NORTH AVE |
| Name: | MERLIN MUFFLER & BRAKE |
| Year: | 2004 |
| Address: | 8 W NORTH AVE |
| Name: | MERLIN MUFFLER & BRAKE |
| Year: | 2006 |
| Address: | 8 W NORTH AVE |
| Name: | MERLIN MUFFLER & BRAKE |
| Year: | 2007 |
| Address: | 8 W NORTH AVE |
| Name: | MERLINS MUFFLER & BRAKE |
| Year: | 2008 |
| Address: | 8 W NORTH AVE |
| Name: | MERLIN MUFFLER & BRAKE |
| Year: | 2011 |
| Address: | 8 W NORTH AVE |
| Name: | MERLINS MUFFLER & BRAKE |
| Year: | 2012 |
| Address: | 8 W NORTH AVE |

---

**F36** **TARGET STORE 0957** **RCRA-SQG** **1001086756**
**North** **50 E NORTH AVE** **ILR000014746**
**< 1/8** **VILLA PARK, IL 60181**
**0.081 mi.**
**426 ft.** **Site 4 of 4 in cluster F**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 03/01/2012 |
| Facility name: | TARGET STORE 0957 |
| Facility address: | 50 E NORTH AVE<br>VILLA PARK, IL 60181 |
| EPA ID: | ILR000014746 |
| Mailing address: | P O BOX 111<br>MINNEAPOLIS, MN 554400111 |
| Contact: | STEVE MUSSER |
| Contact address: | Not reported<br>Not reported |
| Contact country: | Not reported |
| Contact telephone: | (800) 587-2228 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous |

**TARGET STORE 0957 (Continued)** **1001086756**

waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | TARGET CORP |
| Owner/operator address: | P O BOX 111<br>MINNEAPOLIS, MN 55440 |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 03/08/1995 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | TARGET CORP |
| Owner/operator address: | 50 E NORTH AVE<br>VILLA PARK, IL 60181 |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 03/08/1995 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | TARGET CORP |
| Owner/operator address: | P O BOX 111<br>MINNEAPOLIS, MN 55440 |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | 03/08/1995 |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | TARGET CORP |
| Owner/operator address: | PO BOX 111<br>MINNEAPOLIS, MN 55440 |
| Owner/operator country: | US |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | 03/08/1995 |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |

**TARGET STORE 0957 (Continued)** **1001086756**

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/01/2010
Facility name: TARGET STORE 0957
Site name: TARGET 957
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/10/2006
Facility name: TARGET STORE 0957
Site name: TARGET 957
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/09/1996
Facility name: TARGET STORE 0957
Site name: TARGET #957
Classification: Small Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D005
Waste name: BARIUM

Waste code: D007
Waste name: CHROMIUM

Waste code: D011
Waste name: SILVER

Waste code: D018
Waste name: BENZENE

Waste code: D024
Waste name: M-CRESOL

Waste code: D035

**TARGET STORE 0957 (Continued)** **1001086756**

Waste name: METHYL ETHYL KETONE

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P046
Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-

Waste code: P075
Waste name: NICOTINE, & SALTS

Waste code: P081
Waste name: NITROGLYCERINE (R)

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2011

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 365

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 365

**TARGET STORE 0957 (Continued)** **1001086756**

Waste code: D008
Waste name: LEAD
Amount (Lbs): 365

Waste code: D024
Waste name: M-CRESOL
Amount (Lbs): 365

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%
Amount (Lbs): 82

Violation Status: No violations found

---

**H37** **EDR US Hist Auto Stat** **1015362347**
**NNW** **25 W NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.091 mi.**
**478 ft.** **Site 1 of 3 in cluster H**

**Relative:**
**Lower**

**Actual:**
**684 ft.**

EDR Historical Auto Stations:

Name: WORLD AUTO BODY
Year: 1999
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY
Year: 2000
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY
Year: 2001
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY
Year: 2002
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY
Year: 2003
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY
Year: 2004
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY INC
Year: 2007
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY INC
Year: 2008
Address: 25 W NORTH AVE

Name: WORLD AUTO BODY INC
Year: 2009
Address: 25 W NORTH AVE

**(Continued)** **1015362347**

Name: RAPID TRUCK REPAIR INC
Year: 2010
Address: 25 W NORTH AVE

Name: RAPID TRUCK REPAIR INC
Year: 2011
Address: 25 W NORTH AVE

Name: TURIS AUTO COLLISION CENTER
Year: 2012
Address: 25 W NORTH AVE

---

**H38** **EDR US Hist Cleaners** **1015027734**
**NNW** **25 W NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.091 mi.**
**478 ft.** **Site 2 of 3 in cluster H**

**Relative:** EDR Historical Cleaners:
**Lower** Name: SERVICEMASTER QUALITY CLEANING
Year: 2004
**Actual:** Address: 25 W NORTH AVE
**684 ft.**

---

**I39** **EDR US Hist Auto Stat** **1015549686**
**NNE** **55 E NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.094 mi.**
**496 ft.** **Site 1 of 7 in cluster I**

**Relative:** EDR Historical Auto Stations:
**Lower** Name: NORTH AVENUE AUTO PARTS COMPANY
Year: 2012
**Actual:** Address: 55 E NORTH AVE
**681 ft.**

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**I40** **EDR US Hist Auto Stat** **1015118952**
**NNE** **100 E NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.095 mi.**
**503 ft.** **Site 2 of 7 in cluster I**

**Relative:** EDR Historical Auto Stations:
**Lower** Name: J DS AUTO BODY INCORPORATED
Year: 1999
**Actual:** Address: 100 E NORTH AVE
**680 ft.**

Name: J DS AUTO BODY INCORPORATED
Year: 2000
Address: 100 E NORTH AVE

Name: JDS AUTO BODY INC
Year: 2001
Address: 100 E NORTH AVE

Name: ATOMIC MOTORS
Year: 2003

**(Continued)** **1015118952**

Address: 100 E NORTH AVE

Name: ATOMIC TRANSMISSIONS
Year: 2008
Address: 100 E NORTH AVE

Name: ATOMIC TRANSMISSIONS
Year: 2009
Address: 100 E NORTH AVE

Name: ATOMIC TRANSMISSIONS
Year: 2010
Address: 100 E NORTH AVE

Name: ATOMIC TRANSMISSIONS
Year: 2012
Address: 100 E NORTH AVE

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**I41** **JDS AUTO BODY INC** **RCRA-CESQG** **1004692815**
**NNE** **100 E NORTH AVE** **FINDS** **ILD045306636**
**< 1/8** **VILLA PARK, IL 60181**
**0.095 mi.**
**503 ft.** **Site 3 of 7 in cluster I**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

RCRA-CESQG:
Date form received by agency: 06/16/1999
Facility name: JDS AUTO BODY INC
Facility address: 100 E NORTH AVE
VILLA PARK, IL 60181
EPA ID: ILD045306636
Contact: MELISSA SANFORD
Contact address: 100 E NORTH AVE
VILLA PARK, IL 60181
Contact country: US
Contact telephone: (630) 832-7920
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998

**JDS AUTO BODY INC (Continued)** **1004692815**

Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SANFORD TROY R
Owner/operator address: 2305 HAWK LN
ROLLING MEADOWS, IL 60008
Owner/operator country: Not reported
Owner/operator telephone: (847) 797-8760
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL

**JDS AUTO BODY INC (Continued)** **1004692815**

ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005828426

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**I42** **HONDA MOTORS** **UST U000857995**
**NNE** **100 E NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.095 mi.**
**503 ft.** **Site 4 of 7 in cluster I**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

UST:
Facility ID: 2012344
Facility Status: CLOSED
**Facility Type:** **NONE**
Owner Name: Hejhal Paul W Sr
Owner Id: U0017944
Owner Address: P O Box 1252
Owner City,St,Zip: St. Charles, IL 60174

Tank Number: 1
Tank Capacity: 1000
Tank Substance: Used Oil
Last Used Date: 7/1/1991
OSFM First Notify Date: 5/20/1986
**Tank Status:** **Removed**

**HONDA MOTORS (Continued)** **U000857995**

| | |
|---|---|
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 2 |
| Tank Capacity: | 1000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | 7/1/1991 |
| OSFM First Notify Date: | 5/20/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 3 |
| Tank Capacity: | 4000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 7/1/1991 |
| OSFM First Notify Date: | 5/20/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 4 |
| Tank Capacity: | 500 |
| Tank Substance: | Gasoline |
| Last Used Date: | 7/1/1991 |
| OSFM First Notify Date: | 6/28/1991 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

**HONDA MOTORS (Continued)** **U000857995**

| | |
|---|---|
| Tank Number: | 5 |
| Tank Capacity: | 500 |
| Tank Substance: | Used Oil |
| Last Used Date: | 7/1/1991 |
| OSFM First Notify Date: | 4/20/1993 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 6/1/1968 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

---

**H43** **FARNSWORTH COMPUTER CENTER** **RCRA-SQG** **1000453087**
**NNW** **120 W NORTH AVE** **FINDS** **ILD984788349**
**< 1/8** **VILLA PARK, IL 60181**
**0.119 mi.**
**629 ft.** **Site 3 of 3 in cluster H**

**Relative:**
**Lower**

**Actual:**
**686 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 06/29/1990 |
| Facility name: | FARNSWORTH COMPUTER CENTER |
| Facility address: | 120 W NORTH AVE<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD984788349 |
| Contact: | SNYDER DAN |
| Contact address: | 120 W NORTH AVE<br>VILLA PARK, IL 60181 |
| Contact country: | US |
| Contact telephone: | (708) 941-3444 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | FARNSWORTH COMPUTERS |
| Owner/operator address: | Not reported<br>Not reported |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |

**FARNSWORTH COMPUTER CENTER (Continued)** **1000453087**

| | |
|---|---|
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Hazardous Waste Summary:

Waste code: D001

Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005875981

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**I44** **WHITNEY IMPORTS INC** **UST** **U001135454**
**NNE** **150 E NORTH AVE** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.120 mi.**
**636 ft.** **Site 5 of 7 in cluster I**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2024295 |
| Facility Status: | CLOSED |
| **Facility Type:** | **AUTO DEALER** |
| Owner Name: | Whitney Imports Inc |
| Owner Id: | U0016361 |
| Owner Address: | 150 E North Ave Fka Whitney Volkswagon Inc |
| Owner City,St,Zip: | Villa Park, IL 60181 |
| Tank Number: | 1 |
| Tank Capacity: | 3000 |
| Tank Substance: | Gasoline |

**WHITNEY IMPORTS INC (Continued)** **U001135454**

| | |
|---|---|
| Last Used Date: | 6/1/1991 |
| OSFM First Notify Date: | 7/1/1988 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 12/1/1966 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 2 |
| Tank Capacity: | 550 |
| Tank Substance: | Not reported |
| Last Used Date: | 6/1/1991 |
| OSFM First Notify Date: | 7/1/1988 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 3 |
| Tank Capacity: | 550 |
| Tank Substance: | Not reported |
| Last Used Date: | 6/1/1991 |
| OSFM First Notify Date: | 7/1/1988 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 12/1/1966 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

| | |
|---|---|
| Tank Number: | 4 |
| Tank Capacity: | 1000 |
| Tank Substance: | Used Oil |
| Last Used Date: | 6/1/1991 |
| OSFM First Notify Date: | 7/1/1988 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 12/1/1966 |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |

**WHITNEY IMPORTS INC (Continued)** **U001135454**

**Self Service Permit Expire Date:** **Not reported**
Fee Due: Not reported

---

**I45** **LARRY ROESCH IMPORTS** **RCRA-CESQG** **1004693610**
**NNE** **150 E NORTH AVE** **FINDS** **ILD984835231**
**< 1/8** **VILLA PARK, IL 60181**
**0.120 mi.**
**636 ft.** **Site 6 of 7 in cluster I**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

RCRA-CESQG:
Date form received by agency: 09/24/2002
Facility name: LARRY ROESCH IMPORTS
Facility address: 150 E NORTH AVE
VILLA PARK, IL 60181
EPA ID: ILD984835231
Contact: MIKE BARTOLIC
Contact address: 150 E NORTH AVE
VILLA PARK, IL 60181
Contact country: US
Contact telephone: (630) 279-2745
Contact email: Not reported
EPA Region: 05
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: WHITNEY LOU
Owner/operator address: 150 E NORTH AVE
VILLA PARK, IL 60181
Owner/operator country: Not reported
Owner/operator telephone: (708) 279-2700
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No

**LARRY ROESCH IMPORTS (Continued)** **1004693610**

Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 08/27/1991
Facility name: LARRY ROESCH IMPORTS
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110005896922

Environmental Interest/Information System
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**I46** **WHITNEY VOLKSWAGEN** **LUST** **S104525594**
**NNE** **150 EAST NORTH AVE.** **N/A**
**< 1/8** **VILLA PARK, IL 60181**
**0.120 mi.**
**636 ft.** **Site 7 of 7 in cluster I**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 912730 |
| IL EPA Id: | 0430805069 |
| Product: | Gasoline, Uset Oil |
| IEMA Date: | 09/25/1991 |
| Project Manager: | Lee-Hill |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Whitney Volkswagen |
| PRP Contact: | Marty Whitney |
| PRP Address: | 150 East North Ave. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 12/23/1991 |
| 45 Report Received: | 04/09/1992 |
| **NFA/NFR Letter:** | **02/22/1995** |
| NFR Date Recorded: | Not reported |

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**J47** **NORTH CHATHAM CORP.** **LUST** **S103293500**
**NNE** **2 NORTH 021 CHATHAM** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.143 mi.**
**756 ft.** **Site 1 of 2 in cluster J**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 942408 |
| IL EPA Id: | 0430805109 |
| Product: | Gasoline |
| IEMA Date: | 10/26/1994 |
| Project Manager: | Putrich |
| Project Manager Phone: | (217) 524-4827 |
| Email: | Steve.Putrich@illinois.gov |
| PRP Name: | North Chatham Corp. |
| PRP Contact: | Jim Persino |
| PRP Address: | 6316 Northwest Hwy. |
| PRP City,St,Zip: | Chicago, IL 60631 |
| PRP Phone: | Not reported |
| Site Classification: | HIGH |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 12/22/1994 |
| 45 Report Received: | 12/22/1994 |
| **NFA/NFR Letter:** | **03/08/2000** |
| NFR Date Recorded: | 03/27/2000 |

**J48**
**NNE**
**1/8-1/4**
**0.147 mi.**
**775 ft.**

**MICHIGAN AVE NAT BNK OF CHGO**
**50 E N AVE**
**VILLA PARK, IL 60181**

**Site 2 of 2 in cluster J**

**UST** **U000858001**
**N/A**

**Relative:**
**Lower**

**Actual:**
**679 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2017688 |
| Facility Status: | EXEMPT |
| **Facility Type:** | **NONE** |
| Owner Name: | Martin Oil Marketing, Ltd. |
| Owner Id: | U0009782 |
| Owner Address: | 4501 West 127th Street |
| Owner City,St,Zip: | Alsip, IL 60658 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 12000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 3/1/1985 |
| OSFM First Notify Date: | 3/17/1986 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |
| | |
| Tank Number: | 2 |
| Tank Capacity: | 10000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 3/1/1985 |
| OSFM First Notify Date: | 3/17/1986 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |
| | |
| Tank Number: | 3 |
| Tank Capacity: | 8000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 3/1/1985 |
| OSFM First Notify Date: | 3/17/1986 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |

**MICHIGAN AVE NAT BNK OF CHGO (Continued)** **U000858001**

**Self Service Permit Expire Date:** **Not reported**
Fee Due: Not reported

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**K49** **MONSON NICHOLAS INC.** **LUST** **S104523714**
**NNW** **714 NORTH YALE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.158 mi.**
**835 ft.** **Site 1 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**688 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 932117 |
| IL EPA Id: | 0430805099 |
| Product: | Gasoline |
| IEMA Date: | 08/06/1993 |
| Project Manager: | Chappel |
| Project Manager Phone: | (217) 785-3913 |
| Email: | Harry.A.Chappel@illinois.gov |
| PRP Name: | Monson Nicholas Inc. |
| PRP Contact: | Jack Monson |
| PRP Address: | 714 North Yale |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 08/25/1993 |
| 45 Report Received: | 07/26/1995 |
| **NFA/NFR Letter:** | **04/11/2008** |
| NFR Date Recorded: | Not reported |

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**K50** **NICHOLAS MONSON** **UST** **U001135444**
**NNW** **714 N YALE ST** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.158 mi.**
**835 ft.** **Site 2 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**688 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2031771 |
| Facility Status: | EXEMPT |
| **Facility Type:** | **COMMERCIAL / RETAIL** |
| Owner Name: | Nicholas Monson |
| Owner Id: | U0021220 |
| Owner Address: | 714 N Yale St |
| Owner City,St,Zip: | Villa Park, IL 60181 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 1000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 1/1/1972 |
| OSFM First Notify Date: | 5/5/1994 |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |

**NICHOLAS MONSON (Continued)** **U001135444**

**Green Tag Expire Date:** **Not reported**
**Self Service Permit Inspection Date:** **Not reported**
**Self Service Permit Expire Date:** **Not reported**
Fee Due: Not reported

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**K51** **CAR RENEWAL INC** **RCRA-SQG** **1000453085**
**NNW** **738 N YALE AVE** **FINDS** **ILD984788307**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.164 mi.**
**866 ft.** **Site 3 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

RCRA-SQG:
Date form received by agency: 06/29/1990
Facility name: CAR RENEWAL INC
Facility address: 738 N YALE AVE
VILLA PARK, IL 60181
EPA ID: ILD984788307
Contact: GREYSON HERB
Contact address: 738 N YALE AVE
VILLA PARK, IL 60181
Contact country: US
Contact telephone: (708) 834-9334
Contact email: Not reported
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: HERB GREYSON
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No

**CAR RENEWAL INC (Continued)** **1000453085**

Used oil transporter: No

Hazardous Waste Summary:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005875945

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**K52** **NEW PROCESS TANK** **RCRA-SQG** **1000462730**
**NNW** **742 N YALE** **FINDS** **ILD984808824**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.164 mi.**
**866 ft.** **Site 4 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 12/04/1990 |
| Facility name: | NEW PROCESS TANK |
| Facility address: | 742 N YALE<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD984808824 |
| Contact: | MIKE HAMMERSCHMIDT |
| Contact address: | 742 N YALE<br>VILLA PARK, IL 60181 |
| Contact country: | US |
| Contact telephone: | (708) 387-0026 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | NEW PROCESS TANK |
| Owner/operator address: | Not reported<br>Not reported |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste code: | D001 |
| Waste name: | IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS |

**NEW PROCESS TANK (Continued)** **1000462730**

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110005882303

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**K53** **MEGAN AUTO WORKS INC** **RCRA-SQG 1000613623**
**NNW** **739 N YALE AVE** **FINDS ILD984839191**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.164 mi.**
**866 ft.** **Site 5 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

RCRA-SQG:
Date form received by agency: 10/07/1991
Facility name: MEGAN AUTO WORKS INC
Facility address: 739 N YALE AVE
VILLA PARK, IL 60181
EPA ID: ILD984839191

**MEGAN AUTO WORKS INC (Continued)** **1000613623**

Mailing address: 130 W END
ROSELLE, IL 60172
Contact: SHEUKET MUSTAFOFF
Contact address: 739 N YALE AVE
VILLA PARK, IL 60181
Contact country: US
Contact telephone: (708) 832-7955
Contact email: Not reported
EPA Region: 05
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:
Owner/operator name: MEGAN AUTO WORKS INC
Owner/operator address: 739 N YALE AVE
VILLA PARK, IL 60181
Owner/operator country: Not reported
Owner/operator telephone: (708) 832-7955
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

**MEGAN AUTO WORKS INC (Continued)** **1000613623**

Waste code: D008
Waste name: LEAD

Waste code: D018
Waste name: BENZENE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110005898779

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**K54** **PRIDE OF VILLA PARK** **UST** **U004110486**
**NNW** **151 W. NORTH AVENUE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.168 mi.**
**885 ft.** **Site 6 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

UST:
Facility ID: 2010919
Facility Status: ACTIVE
**Facility Type:** **SELF-SERVICE STATION**
Owner Name: Angel Associates, LP
Owner Id: U0032360
Owner Address: 381 East St. Charles Road
Owner City,St,Zip: Carol Stream, IL 60188

Tank Number: 1
Tank Capacity: 12000
Tank Substance: Gasoline
Last Used Date: Not reported
OSFM First Notify Date: 5/5/1986
**Tank Status:** **Removed**
Red Tag Issue Date: Not reported
Install Date: 1/1/1974
**Green Tag Decal:** **M000997**
**Green Tag Issue Date:** **11/22/2011**
**Green Tag Expire Date:** **12/31/2013**
**Self Service Permit Inspection Date:** **10/4/2011**
**Self Service Permit Expire Date:** **12/31/2013**
Fee Due: $0.00

**PRIDE OF VILLA PARK (Continued)** **U004110486**

| | |
|---|---|
| Tank Number: | 2 |
| Tank Capacity: | 10000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 7/1/1987 |
| OSFM First Notify Date: | 5/5/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 7/5/1969 |
| **Green Tag Decal:** | **M000997** |
| **Green Tag Issue Date:** | **11/22/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **10/4/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 3 |
| Tank Capacity: | 8000 |
| Tank Substance: | Gasoline |
| Last Used Date: | 7/1/1987 |
| OSFM First Notify Date: | 5/5/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 7/5/1969 |
| **Green Tag Decal:** | **M000997** |
| **Green Tag Issue Date:** | **11/22/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **10/4/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 4 |
| Tank Capacity: | 12000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 7/15/1996 |
| **Tank Status:** | **Currently in use** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 2/1/1994 |
| **Green Tag Decal:** | **M000997** |
| **Green Tag Issue Date:** | **11/22/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **10/4/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 5 |
| Tank Capacity: | 10000 |
| Tank Substance: | Gasoline |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 7/15/1996 |
| **Tank Status:** | **Currently in use** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 2/1/1994 |
| **Green Tag Decal:** | **M000997** |

**PRIDE OF VILLA PARK (Continued)** **U004110486**

| | |
|---|---|
| **Green Tag Issue Date:** | **11/22/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **10/4/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

| | |
|---|---|
| Tank Number: | 6 |
| Tank Capacity: | 15000 |
| Tank Substance: | Gasoline |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 9/22/1997 |
| **Tank Status:** | **Currently in use** |
| Red Tag Issue Date: | Not reported |
| Install Date: | 7/19/1997 |
| **Green Tag Decal:** | **M000997** |
| **Green Tag Issue Date:** | **11/22/2011** |
| **Green Tag Expire Date:** | **12/31/2013** |
| **Self Service Permit Inspection Date:** | **10/4/2011** |
| **Self Service Permit Expire Date:** | **12/31/2013** |
| Fee Due: | $0.00 |

---

**K55** **PARENT PETROLEUM** **LUST** **1001655531**
**NNW** **151 WEST NORTH AVE.** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.168 mi.**
**885 ft.** **Site 7 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 891690 |
| IL EPA Id: | 0430805046 |
| Product: | Unleaded Gas |
| IEMA Date: | 09/01/1989 |
| Project Manager: | Piggush |
| Project Manager Phone: | (217) 782-3101 |
| Email: | Michael.Piggush@illinois.gov |
| PRP Name: | Angel Associates, LP |
| PRP Contact: | Mario Spina |
| PRP Address: | 381 E. St. Charles Road |
| PRP City,St,Zip: | Carol Stream, IL 60188 |
| PRP Phone: | 6306680141 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 734 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 04/29/1996 |
| 45 Report Received: | Not reported |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

| | |
|---|---|
| Incident Num: | 941324 |
| IL EPA Id: | 0430805046 |
| Product: | Gasoline |
| IEMA Date: | 06/15/1994 |
| Project Manager: | Piggush |
| Project Manager Phone: | (217) 782-3101 |
| Email: | Michael.Piggush@illinois.gov |
| PRP Name: | Angel Associates, LP |

**PARENT PETROLEUM (Continued)** **1001655531**

| | |
|---|---|
| PRP Contact: | Mario Spina |
| PRP Address: | 381 E. St. Charles Road |
| PRP City,St,Zip: | Carol Stream, IL 60188 |
| PRP Phone: | 6306680141 |
| Site Classification: | HIGH |
| Section 57.5(g) Letter: | 734 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 04/29/1996 |
| 45 Report Received: | 12/16/1996 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

| | |
|---|---|
| Incident Num: | 952589 |
| IL EPA Id: | 0430805046 |
| Product: | Gasoline |
| IEMA Date: | 12/28/1995 |
| Project Manager: | Piggush |
| Project Manager Phone: | (217) 782-3101 |
| Email: | Michael.Piggush@illinois.gov |
| PRP Name: | Angel Associates, LP |
| PRP Contact: | Mario Spina |
| PRP Address: | 381 E. St. Charles Road |
| PRP City,St,Zip: | Carol Stream, IL 60188 |
| PRP Phone: | 6306680141 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 734 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 04/29/1996 |
| 45 Report Received: | 12/16/1996 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

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**K56** **EDR US Hist Auto Stat** **1015240183**
**NNW** **151 W NORTH AVE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.168 mi.**
**885 ft.** **Site 8 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | VILLA PARK CITGO |
| Year: | 1999 |
| Address: | 151 W NORTH AVE |
| Name: | VILLA PARK CITGO |
| Year: | 2000 |
| Address: | 151 W NORTH AVE |
| Name: | VILLA PARK CITGO |
| Year: | 2001 |
| Address: | 151 W NORTH AVE |
| Name: | VILLA PARK CITGO |
| Year: | 2002 |
| Address: | 151 W NORTH AVE |
| Name: | VILLA PARK CITGO |

**(Continued)** **1015240183**

Year: 2003
Address: 151 W NORTH AVE

Name: CITGO
Year: 2004
Address: 151 W NORTH AVE

Name: PRIDE OF VILLA PARK CITGO
Year: 2005
Address: 151 W NORTH AVE

Name: PRIDE OF VILLA PARK CITGO
Year: 2006
Address: 151 W NORTH AVE

Name: PRIDE OF VILLA PARK CITGO
Year: 2007
Address: 151 W NORTH AVE

Name: PRIDE OF VILLA PARK CITGO
Year: 2008
Address: 151 W NORTH AVE

Name: VILLA PARK CITGO
Year: 2009
Address: 151 W NORTH AVE

Name: VILLA PARK CITGO
Year: 2010
Address: 151 W NORTH AVE

---

**K57** **PARENT PETROLEUM** **RCRA-NonGen** **1007202293**
**NNW** **151 WEST NORTH AVE** **ILP200001661**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.168 mi.**
**885 ft.** **Site 9 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**689 ft.**

RCRA-NonGen:
Date form received by agency: 04/01/2006
Facility name: PARENT PETROLEUM
Facility address: 151 WEST NORTH AVE
VILLA PARK, IL 60181
EPA ID: ILP200001661
Contact: ENV COORDINATOR
Contact address: Not reported
Not reported
Contact country: Not reported
Contact telephone: (630) 668-4306
Contact email: Not reported
EPA Region: 05
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: PARENT PETROLEUM
Owner/operator address: Not reported
Not reported

**PARENT PETROLEUM (Continued)** **1007202293**

Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Owner/operator name: PARENT PETROLEUM
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1900
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/01/1996
Facility name: PARENT PETROLEUM
Classification: Large Quantity Generator

Violation Status: No violations found

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**K58** **EDR US Hist Auto Stat** **1015260395**
**NNW** **165 W NORTH AVE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.172 mi.**
**906 ft.** **Site 10 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**690 ft.**

EDR Historical Auto Stations:
Name: A CAR SHOP
Year: 2005
Address: 165 W NORTH AVE

**K59** **E AND R AUTO** **RCRA-SQG** **1000178032**
**NW** **201 W NORTH AV** **FINDS** **ILD054326269**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.182 mi.**
**962 ft.** **Site 11 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**690 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 12/02/1996 |
| Facility name: | E AND R AUTO |
| Facility address: | 201 W NORTH AV<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD054326269 |
| Contact: | PAUL ESTERLY |
| Contact address: | 201 W NORTH AV<br>VILLA PARK, IL 60181 |
| Contact country: | US |
| Contact telephone: | (630) 279-5464 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | NAME NOT REPORTED |
| Owner/operator address: | ADDRESS NOT REPORTED<br>CITY NOT REPORTED, AK 99998 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (312) 555-1212 |
| Legal status: | Private |
| Owner/Operator Type: | Operator |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

| | |
|---|---|
| Owner/operator name: | ESTERLY PAUL |
| Owner/operator address: | 621 BIERMAN<br>VILLA PARK, IL 60181 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (630) 833-4092 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |
| Used oil processor: | No |

**E AND R AUTO (Continued)** **1000178032**

User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110005832126

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**K60** **EDR US Hist Auto Stat** **1015305934**
**NW** **201 W NORTH AVE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.182 mi.**
**962 ft.** **Site 12 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**690 ft.**

EDR Historical Auto Stations:

Name: E & R AUTOMOTIVE MACHINE SPECIALISTS INCORPORATED
Year: 1999
Address: 201 W NORTH AVE

Name: E & R AUTOMOTIVE MACHINE SPECIALISTS INCORPORATED
Year: 2000
Address: 201 W NORTH AVE

Name: E & R AUTOMOTIVE MACHINE
Year: 2001
Address: 201 W NORTH AVE

Name: E & R AUTOMOTIVE MACHINE SPECIALISTS
Year: 2006
Address: 201 W NORTH AVE

Name: E & R AUTOMOTIVE MACHINE SPECIALISTS
Year: 2007
Address: 201 W NORTH AVE

**(Continued)** **1015305934**

Name: REPAIRS PLUS INC
Year: 2008
Address: 201 W NORTH AVE

Name: REPAIRS PLUS INC
Year: 2009
Address: 201 W NORTH AVE

Name: REPAIRS PLUS
Year: 2010
Address: 201 W NORTH AVE

Name: REPAIRS PLUS
Year: 2011
Address: 201 W NORTH AVE

Name: REPAIRS PLUS
Year: 2012
Address: 201 W NORTH AVE

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**K61** **EDR US Hist Auto Stat** **1015317628**
**NW** **209 W NORTH AVE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.185 mi.**
**975 ft.** **Site 13 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

EDR Historical Auto Stations:
Name: ONE STOP CAR SHOP
Year: 2001
Address: 209 W NORTH AVE

Name: E & R RACING ENGINES INC
Year: 2007
Address: 209 W NORTH AVE

Name: E & R RACING ENGINES INC
Year: 2009
Address: 209 W NORTH AVE

---

**K62** **GBA-FIRESTONE** **LUST** **S104003136**
**NW** **225 WEST NORTH AVE.** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.189 mi.**
**1000 ft.** **Site 14 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

LUST:
Incident Num: 942179
IL EPA Id: 0430805088
Product: Uset Oil
IEMA Date: 09/23/1994
Project Manager: Piggush
Project Manager Phone: (217) 782-3101
Email: Michael.Piggush@illinois.gov
PRP Name: GBA Inc.
PRP Contact: Dan Gracious
PRP Address: 98 Yortktown Plaza

**GBA-FIRESTONE (Continued)** **S104003136**

| | |
|---|---|
| PRP City,St,Zip: | Lombard, IL 60148 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 04/25/1995 |
| 45 Report Received: | 02/13/1996 |
| **NFA/NFR Letter:** | **12/10/1999** |
| NFR Date Recorded: | 01/11/2000 |

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**K63** **GBA INC VILLA PARK** **RCRA-SQG** **1000824275**
**NW** **225 W NORTH AVE** **ILD984906479**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.189 mi.**
**1000 ft.** **Site 15 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 10/28/1992 |
| Facility name: | GBA INC VILLA PARK |
| Facility address: | 225 W NORTH AVE<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD984906479 |
| Contact: | DONALD PETERSON |
| Contact address: | 98 YORKTOWN PLAZA<br>LOMBARD, IL 60148 |
| Contact country: | US |
| Contact telephone: | (708) 832-1116 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | GRACIOUS DANIEL J |
| Owner/operator address: | 98 YORKTOWN PLAZA<br>LOMBARD, IL 60148 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (708) 620-6913 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |

**GBA INC VILLA PARK (Continued)** **1000824275**

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D008
Waste name: LEAD

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Violation Status: No violations found

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**K64** **JEFF WEIDEN INC** **UST U001386597**
**NW** **225 W NORTH AVE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.189 mi.**
**1000 ft.** **Site 16 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

UST:
Facility ID: 2031946
Facility Status: CLOSED
**Facility Type:** **COMMERCIAL / RETAIL**
Owner Name: Lombard Firestone
Owner Id: U0021445
Owner Address: 98 Yorktown Shopping Ctr
Owner City,St,Zip: Lombard, IL 60148

Tank Number: 1
Tank Capacity: 280
Tank Substance: Used Oil
Last Used Date: Not reported
OSFM First Notify Date: 4/6/1993
**Tank Status:** **Removed**
Red Tag Issue Date: Not reported
Install Date: 3/12/1984
**Green Tag Decal:** **Not reported**
**Green Tag Issue Date:** **Not reported**
**Green Tag Expire Date:** **Not reported**
**Self Service Permit Inspection Date:** **Not reported**
**Self Service Permit Expire Date:** **Not reported**
Fee Due: Not reported

**K65**
**NW**
**1/8-1/4**
**0.189 mi.**
**1000 ft.**

**225 W NORTH AVE**
**VILLA PARK, IL 60181**

**Site 17 of 19 in cluster K**

**EDR US Hist Auto Stat** **1015340056**
**N/A**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | A & R AUTO REPAIR |
| Year: | 2005 |
| Address: | 225 W NORTH AVE |
| Name: | A R AUTO REPAIR |
| Year: | 2006 |
| Address: | 225 W NORTH AVE |
| Name: | A & R AUTO REPAIR |
| Year: | 2007 |
| Address: | 225 W NORTH AVE |
| Name: | A & R AUTO REPAIR |
| Year: | 2008 |
| Address: | 225 W NORTH AVE |
| Name: | A & R VOLVO SVC CTR |
| Year: | 2010 |
| Address: | 225 W NORTH AVE |

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**K66**
**NW**
**1/8-1/4**
**0.191 mi.**
**1010 ft.**

**VITAGLIANO GENERAL PARTNERSHIP**
**231 WEST NORTH AVE.**
**VILLA PARK, IL 60181**

**Site 18 of 19 in cluster K**

**LUST** **S104967906**
**N/A**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 20010327 |
| IL EPA Id: | 0430805140 |
| Product: | Other Petro |
| IEMA Date: | 02/23/2001 |
| Project Manager: | Schwartzkopf |
| Project Manager Phone: | (217) 557-8763 |
| Email: | Lizz.Schwartzkopf@illinois.gov |
| PRP Name: | Vitagliano General Partnership |
| PRP Contact: | Anthony Vitagliano |
| PRP Address: | P.O. Box 1556 |
| PRP City,St,Zip: | Oak Park, IL 60304 |
| PRP Phone: | 7089440461 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | 2003-03-14 |
| 20 Report Received: | Not reported |
| 45 Report Received: | Not reported |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

**K67** **TOBIN WINDOW & GLASS** **UST** **U003763051**
**NW** **231 W NORTH AVE** **N/A**
**1/8-1/4** **VILLA PARK, IL 99999**
**0.191 mi.**
**1010 ft.** **Site 19 of 19 in cluster K**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2040268 |
| Facility Status: | EXEMPT |
| **Facility Type:** | **NONE** |
| Owner Name: | Vitagliano General Partnership |
| Owner Id: | U0029934 |
| Owner Address: | PO Box 1556 |
| Owner City,St,Zip: | Oak Park, IL 60304 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 500 |
| Tank Substance: | Heating Oil |
| Last Used Date: | 12/31/1973 |
| OSFM First Notify Date: | Not reported |
| **Tank Status:** | **Exempt from registration** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | Not reported |

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**L68** **KMART #3473** **UST** **U000857999**
**NW** **300 W NORTH AVE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.207 mi.**
**1094 ft.** **Site 1 of 2 in cluster L**

**Relative:**
**Lower**

**Actual:**
**693 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2019278 |
| Facility Status: | CLOSED |
| **Facility Type:** | **NONE** |
| Owner Name: | K-Mart Corporation |
| Owner Id: | U0018024 |
| Owner Address: | 2300 West Higgins Road |
| Owner City,St,Zip: | Hoffman Estates, IL 60195 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 500 |
| Tank Substance: | Used Oil |
| Last Used Date: | Not reported |
| OSFM First Notify Date: | 4/2/1986 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |

**M69**
**NE**
**1/8-1/4**
**0.216 mi.**
**1143 ft.**
**Site 1 of 4 in cluster M**

**EDR US Hist Auto Stat** **1015260315**
**N/A**

**165 E NORTH AVE**
**VILLA PARK, IL 60181**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

EDR Historical Auto Stations:

| | |
|---|---|
| Name: | ATOMIC MOTORS AUTO REPRG TRANSMISSION SPECIALISTS |
| Year: | 1999 |
| Address: | 165 E NORTH AVE |
| Name: | CAR SHOP |
| Year: | 2003 |
| Address: | 165 E NORTH AVE |
| Name: | ONE STOP CAR SHOP |
| Year: | 2004 |
| Address: | 165 E NORTH AVE |
| Name: | ELITE AUTO & FLEET REPAIR INC |
| Year: | 2008 |
| Address: | 165 E NORTH AVE |
| Name: | A 1 CAR SHOPPE |
| Year: | 2009 |
| Address: | 165 E NORTH AVE |

---

**70**
**NW**
**1/8-1/4**
**0.236 mi.**
**1245 ft.**

**EDR US Hist Cleaners** **1015093152**
**N/A**

**745 N HARVARD AVE**
**VILLA PARK, IL 60181**

**Relative:**
**Lower**

**Actual:**
**698 ft.**

EDR Historical Cleaners:

| | |
|---|---|
| Name: | CORNELIA CARPET CLEANERS INC |
| Year: | 2011 |
| Address: | 745 N HARVARD AVE |

---

**L71**
**NW**
**1/8-1/4**
**0.237 mi.**
**1253 ft.**
**Site 2 of 2 in cluster L**

**LUST** **S104521445**
**N/A**

**ALDI INC.**
**400 WEST NORTH AVE.**
**VILLA PARK, IL 60181**

**Relative:**
**Lower**

**Actual:**
**696 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 971145 |
| IL EPA Id: | 0430805119 |
| Product: | Other Petro |
| IEMA Date: | 06/27/1997 |
| Project Manager: | NOT ASSIGNED |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Aldi Inc. |
| PRP Contact: | Brian Mayer |
| PRP Address: | 1200 North Kirk Rd. |
| PRP City,St,Zip: | Batavia, IL 60510-1477 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |

**ALDI INC. (Continued)** **S104521445**

| | |
|---|---|
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 10/16/1997 |
| 45 Report Received: | 11/07/1997 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

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**M72** **LEND LEASE** **RCRA-SQG** **1000183424**
**NE** **187 E NORTH AVE** **FINDS** **ILD984784058**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.242 mi.**
**1278 ft.** **Site 2 of 4 in cluster M**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

RCRA-SQG:

| | |
|---|---|
| Date form received by agency: | 04/30/1990 |
| Facility name: | LEND LEASE |
| Facility address: | 187 E NORTH AVE<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD984784058 |
| Mailing address: | 1400 W 171ST<br>EAST HAZEL CREST, IL 60429 |
| Contact: | PAUL JONES |
| Contact address: | 1400 W 171ST<br>EAST HAZEL CREST, IL 60429 |
| Contact country: | US |
| Contact telephone: | (708) 335-4100 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Small Small Quantity Generator |
| Description: | Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | FOHRMAN RON |
| Owner/operator address: | Not reported<br>Not reported |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | Not reported |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |
| Owner/Op end date: | Not reported |

Handler Activities Summary:

| | |
|---|---|
| U.S. importer of hazardous waste: | No |
| Mixed waste (haz. and radioactive): | No |
| Recycler of hazardous waste: | No |
| Transporter of hazardous waste: | No |
| Treater, storer or disposer of HW: | No |
| Underground injection activity: | No |
| On-site burner exemption: | No |
| Furnace exemption: | No |
| Used oil fuel burner: | No |

**LEND LEASE (Continued)** **1000183424**

| | |
|---|---|
| Used oil processor: | No |
| User oil refiner: | No |
| Used oil fuel marketer to burner: | No |
| Used oil Specification marketer: | No |
| Used oil transfer facility: | No |
| Used oil transporter: | No |

Hazardous Waste Summary:

| | |
|---|---|
| Waste code: | D001 |
| Waste name: | IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE. |
| Violation Status: | No violations found |

FINDS:

Registry ID: 110005873135

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

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**M73** **FOHRMAN, RONALD** **LUST** **S104529584**
**NE** **187 EAST NORTH AVENUE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.242 mi.**
**1278 ft.** **Site 3 of 4 in cluster M**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 990735 |
| IL EPA Id: | 0430805047 |
| Product: | Deisel, Uset Oil |
| IEMA Date: | 03/26/1999 |
| Project Manager: | Hale |
| Project Manager Phone: | (217) 782-1803 |
| Email: | Sam.Hale@illinois.gov |
| PRP Name: | Ronald Fohrman |
| PRP Contact: | Not reported |
| PRP Address: | 31 Chicory Lane |
| PRP City,St,Zip: | Riverwoods, IL 60015 |
| PRP Phone: | 8475202942 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 04/01/1999 |
| 45 Report Received: | 06/15/1999 |
| **NFA/NFR Letter:** | **01/14/2000** |

**FOHRMAN, RONALD (Continued)** **S104529584**

NFR Date Recorded: 02/07/2000

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**M74** **INTERNATIONAL WOD PRODUCTS** **UST** **U000857994**
**NE** **187 E NORTH AVENUE** **N/A**
**1/8-1/4** **VILLA PARK, IL 60181**
**0.242 mi.**
**1278 ft.** **Site 4 of 4 in cluster M**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

UST:

| | |
|---|---|
| Facility ID: | 2025760 |
| Facility Status: | CLOSED |
| **Facility Type:** | **NONE** |
| Owner Name: | Fohrman Ronald P |
| Owner Id: | U0005279 |
| Owner Address: | 187 E. North Avenue |
| Owner City,St,Zip: | Villa Park, IL 60181 |
| | |
| Tank Number: | 1 |
| Tank Capacity: | 10000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | 1/1/1986 |
| OSFM First Notify Date: | 5/2/1990 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |
| | |
| Tank Number: | 2 |
| Tank Capacity: | 10000 |
| Tank Substance: | Diesel Fuel |
| Last Used Date: | 1/1/1986 |
| OSFM First Notify Date: | 5/2/1990 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |
| | |
| Tank Number: | 3 |
| Tank Capacity: | 550 |
| Tank Substance: | Used Oil |
| Last Used Date: | 1/1/1986 |
| OSFM First Notify Date: | 5/2/1990 |
| **Tank Status:** | **Removed** |
| Red Tag Issue Date: | Not reported |
| Install Date: | Not reported |
| **Green Tag Decal:** | **Not reported** |

**INTERNATIONAL WOD PRODUCTS (Continued)** **U000857994**

| | |
|---|---|
| **Green Tag Issue Date:** | **Not reported** |
| **Green Tag Expire Date:** | **Not reported** |
| **Self Service Permit Inspection Date:** | **Not reported** |
| **Self Service Permit Expire Date:** | **Not reported** |
| Fee Due: | $0.00 |

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**N75** **SAVERS AUTO SERVICE** **LUST** **S104528197**
**NW** **523 WEST NORTH AVE.** **N/A**
**1/4-1/2** **VILLA PARK, IL 60181**
**0.339 mi.**
**1791 ft.** **Site 1 of 2 in cluster N**

**Relative:**
**Lower**

**Actual:**
**702 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 912947 |
| IL EPA Id: | 0430805073 |
| Product: | Gasoline |
| IEMA Date: | 10/16/1991 |
| Project Manager: | Barrett |
| Project Manager Phone: | (217) 782-4869 |
| Email: | John.D.Barrett@illinois.gov |
| PRP Name: | Savers Auto Service |
| PRP Contact: | Enrico Deleon |
| PRP Address: | 523 West North Ave. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 11/01/1991 |
| 45 Report Received: | 02/10/1992 |
| **NFA/NFR Letter:** | **02/06/2007** |
| NFR Date Recorded: | 03/09/2007 |

| | |
|---|---|
| Incident Num: | 20020325 |
| IL EPA Id: | 0430805073 |
| Product: | Gasoline, Uset Oil |
| IEMA Date: | 03/07/2002 |
| Project Manager: | Barrett |
| Project Manager Phone: | (217) 782-4869 |
| Email: | John.D.Barrett@illinois.gov |
| PRP Name: | Savers Auto Service |
| PRP Contact: | Enrico Deleon |
| PRP Address: | 523 West North Ave. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 8472794730 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 03/25/2002 |
| 45 Report Received: | 04/15/2002 |
| **NFA/NFR Letter:** | **02/06/2007** |
| NFR Date Recorded: | 03/09/2007 |

| | |
|---|---|
| Incident Num: | 971689 |
| IL EPA Id: | 0430805073 |
| Product: | Gasoline |

**SAVERS AUTO SERVICE (Continued)** **S104528197**

| | |
|---|---|
| IEMA Date: | 09/11/1997 |
| Project Manager: | Barrett |
| Project Manager Phone: | (217) 782-4869 |
| Email: | John.D.Barrett@illinois.gov |
| PRP Name: | Savers Auto Service |
| PRP Contact: | Enrico Deleon |
| PRP Address: | 523 West North Ave. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 6302794730 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | 2002-07-23 |
| 20 Report Received: | Not reported |
| 45 Report Received: | Not reported |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

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**76** **ACCENT MARBLE INC** **CERC-NFRAP** **1000208630**
**NE** **223 ADELE CT** **RCRA-NonGen** **ILD982069270**
**1/4-1/2** **VILLA PARK, IL 60181** **FINDS**
**0.346 mi.**
**1828 ft.**

**Relative:**
**Lower**

**Actual:**
**680 ft.**

CERC-NFRAP:

| | |
|---|---|
| Site ID: | 0506570 |
| Federal Facility: | Not a Federal Facility |
| NPL Status: | Not on the NPL |
| Non NPL Status: | NFRAP-Site does not qualify for the NPL based on existing information |

CERCLIS-NFRAP Assessment History:

| | |
|---|---|
| Action: | DISCOVERY |
| Date Started: | Not reported |
| Date Completed: | 08/03/1991 |
| Priority Level: | Not reported |

| | |
|---|---|
| Action: | ARCHIVE SITE |
| Date Started: | Not reported |
| Date Completed: | 11/25/1992 |
| Priority Level: | Not reported |

| | |
|---|---|
| Action: | PRELIMINARY ASSESSMENT |
| Date Started: | Not reported |
| Date Completed: | 11/25/1992 |
| Priority Level: | NFRAP-Site does not qualify for the NPL based on existing information |

RCRA-NonGen:

| | |
|---|---|
| Date form received by agency: | 11/01/2007 |
| Facility name: | ACCENT MARBLE INC |
| Facility address: | 223 ADELE CT<br>VILLA PARK, IL 60181 |
| EPA ID: | ILD982069270 |
| Contact: | ENV COORDINATOR |
| Contact address: | Not reported<br>Not reported |
| Contact country: | Not reported |
| Contact telephone: | (630) 345-3500 |

**ACCENT MARBLE INC (Continued)** **1000208630**

Contact email: Not reported
EPA Region: 05
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: NAME NOT REPORTED
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ACCENT MARBLE INC
Owner/operator address: ADDRESS NOT REPORTED
CITY NOT REPORTED, AK 99998
Owner/operator country: Not reported
Owner/operator telephone: (312) 555-1212
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 09/25/1987
Facility name: ACCENT MARBLE INC
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D000
Waste name: Not Defined

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

**ACCENT MARBLE INC (Continued)** **1000208630**

TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: SR - 725.135
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 725.271
Area of violation: TSD - Container Use and Management
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 725.135
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.211
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: Not reported

**ACCENT MARBLE INC (Continued)** **1000208630**

Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.271
Area of violation: TSD - Container Use and Management
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.274
Area of violation: TSD - Container Use and Management
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.211
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 725.211
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996

**ACCENT MARBLE INC (Continued)** **1000208630**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.274
Area of violation: TSD - Container Use and Management
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 725.137
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 725.137
Area of violation: TSD - Preparedness and Prevention
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.274
Area of violation: TSD - Container Use and Management
Date violation determined: 08/07/1992
Date achieved compliance: 03/28/2005
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported

**ACCENT MARBLE INC (Continued)** **1000208630**

Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 722.134(d)(5)
Area of violation: Generators - Pre-transport
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.212(a)
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 703.121(a)
Area of violation: TSD - General Facility Standards
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 722.111
Area of violation: Generators - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

**ACCENT MARBLE INC (Continued)** **1000208630**

Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 703.121(a)
Area of violation: TSD - General Facility Standards
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.212(a)
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 725.242(a)
Area of violation: TSD - Financial Requirements
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 728.150(c)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

**ACCENT MARBLE INC (Continued)** **1000208630**

Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 728.150(c)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 728.107(a)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 728.150(a)(2)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 722.134(d)
Area of violation: Generators - Pre-transport
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0

**ACCENT MARBLE INC (Continued)** **1000208630**

Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 722.134(d)
Area of violation: Generators - Pre-transport
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.212(a)
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.242(a)
Area of violation: TSD - Financial Requirements
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 728.150(a)(2)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0

**ACCENT MARBLE INC (Continued)** **1000208630**

Paid penalty amount: 0

Regulation violated: SR - 728.150(c)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 728.150(a)(2)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 722.111
Area of violation: Generators - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.242(a)
Area of violation: TSD - Financial Requirements
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

**ACCENT MARBLE INC (Continued)** **1000208630**

Regulation violated: SR - 725.242(a)
Area of violation: TSD - Financial Requirements
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 725.212(a)
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 08/30/1990
Date achieved compliance: 12/28/1993
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 722.140(c)
Area of violation: Generators - Records/Reporting
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 728.150(c)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 703.121(a)

**ACCENT MARBLE INC (Continued)** **1000208630**

Area of violation: TSD - General Facility Standards
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 703.121(a)
Area of violation: TSD - General Facility Standards
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 728.150(a)(2)
Area of violation: LDR - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/29/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 722.140(c)
Area of violation: Generators - Records/Reporting
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: IPCB FINAL ADMINISTRATIVE ORDER
Enforcement action date: 05/06/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 3500
Paid penalty amount: 2500

Regulation violated: SR - 722.140(c)
Area of violation: Generators - Records/Reporting

**ACCENT MARBLE INC (Continued)** **1000208630**

Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 722.111
Area of violation: Generators - General
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 722.134(c)
Area of violation: Generators - Pre-transport
Date violation determined: 08/30/1990
Date achieved compliance: 04/08/1991
Violation lead agency: State
Enforcement action: VIOLATION NOTICE (VN)
Enforcement action date: 10/01/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:
Evaluation date: 03/28/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/07/1992
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 03/28/2005
Evaluation lead agency: State

Evaluation date: 08/07/1992
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD - Preparedness and Prevention
Date achieved compliance: 03/28/2005

**ACCENT MARBLE INC (Continued)** **1000208630**

Evaluation lead agency: State

Evaluation date: 08/07/1992
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 03/28/2005
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/28/1993
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: LDR - General
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 12/28/1993
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - General
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Generators - Pre-transport
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 12/05/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 08/30/1990

**ACCENT MARBLE INC (Continued)** **1000208630**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 12/28/1993
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 12/28/1993
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Records/Reporting
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

Evaluation date: 08/30/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/08/1991
Evaluation lead agency: State

FINDS:

Registry ID: 110005860755

Environmental Interest/Information System

ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**N77**
**NW**
**1/4-1/2**
**0.352 mi.**
**1858 ft.**

**VENUTI'S RISTORANTE**
**541 WEST NORTH AVE.**
**VILLA PARK, IL 60181**

**Site 2 of 2 in cluster N**

**LUST** **S105620784**
**N/A**

**Relative:**
**Lower**

**Actual:**
**703 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 20021345 |
| IL EPA Id: | 0430805147 |
| Product: | Gasoline |
| IEMA Date: | 09/20/2002 |
| Project Manager: | Benanti |
| Project Manager Phone: | (217) 524-4649 |
| Email: | Trent.Benanti@illinois.gov |
| PRP Name: | Venuti's Ristorante |
| PRP Contact: | Frank Venuti |
| PRP Address: | 2251 West Lake Street |
| PRP City,St,Zip: | Addison, IL 60101 |
| PRP Phone: | 6308325001 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | P.A. |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 10/21/2002 |
| 45 Report Received: | 03/24/2003 |
| **NFA/NFR Letter:** | **10/04/2007** |
| NFR Date Recorded: | 12/17/2007 |

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**78**
**NE**
**1/4-1/2**
**0.383 mi.**
**2022 ft.**

**ACA MANAGEMENT**
**350 EAST NORTH AVE.**
**VILLA PARK, IL 60181**

**LUST** **S104527351**
**N/A**

**Relative:**
**Lower**

**Actual:**
**681 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 892703 |
| IL EPA Id: | 0430805063 |
| Product: | Gasoline |
| IEMA Date: | 12/20/1989 |
| Project Manager: | Irwin |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | ACA Management |
| PRP Contact: | Charlie Carroll |
| PRP Address: | 4811 South Harlem Ave. |
| PRP City,St,Zip: | Chicago, IL 60632 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 02/29/1992 |
| 45 Report Received: | 02/29/1992 |
| **NFA/NFR Letter:** | **11/15/1991** |
| NFR Date Recorded: | Not reported |

**O79** **SOOPER LUBE** **LUST** **S104529169**
**South** **6 WEST ST. CHARLES RD.** **N/A**
**1/4-1/2** **VILLA PARK, IL 60181**
**0.436 mi.**
**2304 ft.** **Site 1 of 5 in cluster O**

**Relative:**
**Lower**

**Actual:**
**692 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 982625 |
| IL EPA Id: | 0430805124 |
| Product: | Fuel Oil, Uset Oil |
| IEMA Date: | 10/19/1998 |
| Project Manager: | Haskins |
| Project Manager Phone: | (217) 782-6762 |
| Email: | Not reported |
| PRP Name: | Super Lube |
| PRP Contact: | Allan Sexton |
| PRP Address: | 6 West St. Charles Rd. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 7087589550 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 11/17/1998 |
| 45 Report Received: | 01/07/1999 |
| **NFA/NFR Letter:** | **08/18/1999** |
| NFR Date Recorded: | 09/21/1999 |

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**O80** **FAVIA, ROCCO** **LUST** **S104523447**
**South** **36 WEST ST. CHARLES RD.** **N/A**
**1/4-1/2** **VILLA PARK, IL 60181**
**0.437 mi.**
**2305 ft.** **Site 2 of 5 in cluster O**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 933131 |
| IL EPA Id: | 0430805103 |
| Product: | Not reported |
| IEMA Date: | 12/07/1993 |
| Project Manager: | Malcom |
| Project Manager Phone: | (217) 524-9140 |
| Email: | James.Malcom@illinois.gov |
| PRP Name: | Rocco Favia |
| PRP Contact: | Pat O'Brien |
| PRP Address: | P.O. Box 170 |
| PRP City,St,Zip: | Roscoe, IL 61073 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 734 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 02/18/1994 |
| 45 Report Received: | 01/27/2006 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

**O81** **VILLA PARK CAR WASH** **LUST** **S104522202**
**South** **44 WEST ST. CHARLES RD.** **N/A**
**1/4-1/2** **VILLA PARK, IL 60181**
**0.437 mi.**
**2305 ft.** **Site 3 of 5 in cluster O**

**Relative:**
**Lower**

**Actual:**
**691 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 960213 |
| IL EPA Id: | 0430805114 |
| Product: | Unleaded Gas |
| IEMA Date: | 02/07/1996 |
| Project Manager: | Bauer |
| Project Manager Phone: | (217) 782-3335 |
| Email: | Brian.Bauer@illinois.gov |
| PRP Name: | Villa Park Car Wash |
| PRP Contact: | Julie Kim |
| PRP Address: | 44 West St. Charles Rd. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 8477057311 |
| Site Classification: | HIGH |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | Not reported |
| 45 Report Received: | 10/07/1997 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

| | |
|---|---|
| Incident Num: | 971157 |
| IL EPA Id: | 0430805114 |
| Product: | Gasoline |
| IEMA Date: | 06/30/1997 |
| Project Manager: | Bauer |
| Project Manager Phone: | (217) 782-3335 |
| Email: | Brian.Bauer@illinois.gov |
| PRP Name: | Jung OK Kim |
| PRP Contact: | Not reported |
| PRP Address: | 870 West Wood St. |
| PRP City,St,Zip: | Palatine, IL 60067 |
| PRP Phone: | 8477057311 |
| Site Classification: | HIGH |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 07/25/1997 |
| 45 Report Received: | 10/07/1997 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

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**O82** **JOHNSON'S VILLA PARK** **LUST** **S108045200**
**South** **1 WEST ST. CHARLES ROAD** **SPILLS** **N/A**
**1/4-1/2** **VILLA PARK, IL 60181**
**0.438 mi.**
**2314 ft.** **Site 4 of 5 in cluster O**

**Relative:**
**Lower**

**Actual:**
**692 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 20050408 |
| IL EPA Id: | 0430805062 |
| Product: | Gasoline, Other Petro |
| IEMA Date: | 03/23/2005 |

**JOHNSON'S VILLA PARK (Continued)** **S108045200**

| | |
|---|---|
| Project Manager: | McGill |
| Project Manager Phone: | (217) 524-5137 |
| Email: | Scott.McGill@illinois.gov |
| PRP Name: | Not reported |
| PRP Contact: | Not reported |
| PRP Address: | Not reported |
| PRP City,St,Zip: | Not reported |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | P.A. |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 03/31/2005 |
| 45 Report Received: | 05/06/2005 |
| **NFA/NFR Letter:** | **01/06/2006** |
| NFR Date Recorded: | 01/17/2006 |

SPILLS:

| | |
|---|---|
| Incident ID: | 20050408 |
| Incident Date: | Not reported |
| Date Received: | 03/23/2005 |
| Facility Address: | 1 WEST ST. CHARLES RD. |
| Facility City: | VILLA PARK |
| PRP Name: | JOHNSON'S VILLA PARK |
| AC: | Not reported |

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**83**
**South**
**1/4-1/2**
**0.439 mi.**
**2317 ft.**

**ALLEN WALTER SENIOR** **RCRA-NonGen** **1001232118**
**40 E ST CHARLES RD** **FINDS** **ILR000059592**
**VILLA PARK, IL 60181** **LUST**
**SRP**

**Relative:**
**Lower**

**Actual:**
**692 ft.**

RCRA-NonGen:

| | |
|---|---|
| Date form received by agency: | 11/01/2007 |
| Facility name: | ALLEN WALTER SENIOR |
| Facility address: | 40 E ST CHARLES RD<br>VILLA PARK, IL 60181 |
| EPA ID: | ILR000059592 |
| Contact: | ENV COORDINATOR |
| Contact address: | Not reported<br>Not reported |
| Contact country: | Not reported |
| Contact telephone: | (708) 579-5940 |
| Contact email: | Not reported |
| EPA Region: | 05 |
| Classification: | Non-Generator |
| Description: | Handler: Non-Generators do not presently generate hazardous waste |

Owner/Operator Summary:

| | |
|---|---|
| Owner/operator name: | ALLEN WALTER L ST |
| Owner/operator address: | 822 S VILLA AVE<br>VILLA PARK, IL 60181 |
| Owner/operator country: | Not reported |
| Owner/operator telephone: | (630) 834-8573 |
| Legal status: | Private |
| Owner/Operator Type: | Owner |
| Owner/Op start date: | Not reported |

**ALLEN WALTER SENIOR (Continued)** **1001232118**

Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 12/14/1998
Facility name: ALLEN WALTER SENIOR
Classification: Large Quantity Generator

Hazardous Waste Summary:
Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110003047541

Environmental Interest/Information System
ACES (Illinois - Agency Compliance And Enforcement System) is the Illinois EPA Project to facilitate the permitting operations

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

LUST:
Incident Num: 990392
IL EPA Id: 0430805125
Product: Other Petro

**ALLEN WALTER SENIOR (Continued)** **1001232118**

| | |
|---|---|
| IEMA Date: | 02/18/1999 |
| Project Manager: | Davis |
| Project Manager Phone: | (217) 785-7492 |
| Email: | Valerie.A.Davis@illinois.gov |
| PRP Name: | Walter Allen Sr., Estate |
| PRP Contact: | Walter Allen Jr. |
| PRP Address: | 822 South Villa Ave. |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | 6308348573 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 732 |
| Date Section 57.5(g) Letter: | 01/20/2000 |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 03/10/1999 |
| 45 Report Received: | 04/07/1999 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

SRP:

| | |
|---|---|
| IL EPA Id: | 0430805125 |
| US EPA Id: | ILR000059592 |
| Longitude: | -87.97718 |
| Latitude: | 41.89012 |
| Contact Name: | Edward Garvey |
| Contact Address: | 2800 South Finley Road |
| Contact Address2: | Not reported |
| Contact City,St,Zip: | Downers Grove, IL 60515- |
| Contact Phone: | (630) 495-3600 |
| Date Enrolled: | 07/06/1999 |
| Point Of Contact: | James E. Huff, P.E. |
| Consultant Company: | Huff & Huff, Inc. |
| Consultant Address: | 512 West Burlington Avenue |
| Consultant Address2: | Suite 100 |
| Consultant City,St,Zip: | LaGrange, IL 60525- |
| Consultant Phone: | (708) 579-5940 |
| Proj Mgr Assigned: | L-Bloome |
| Sec. 4 Letter Date: | Not reported |
| NFR Recorded: | 08/14/2000 |
| Active: | False |
| Total Acres: | 0.589 |
| No Further Remediation Letter Dt: | 07/13/2000 |
| Remediation Applicant Co: | West Suburban Bank |
| Remediation Applicant Title: | Vice President |
| Remediation Applicant Name: | Mr. Edward Garvey |
| Remediation Applicant Company: | West Suburban Bank |
| Remediation Applicant Address: | 2800 South Finley Road |
| Remediation Applicant Address 2: | Not reported |
| Remediation Applicant City,St,Zip: | Downers Grove, IL 60615- |
| Illinois EPA: | 0430805125 |
| Site Name: | Walter Allen, Sr. |
| NFR Letter: | 2000-07-13 |
| NFR Letter Date Recorded: | 2000-08-14 |
| Site Type: | Residential |
| Comprehensive/Focused: | Focused |
| Institutional Controls: | Not reported |
| Barrier: | Not reported |
| Worker Caution: | False |

**ALLEN WALTER SENIOR (Continued)** **1001232118**

Acres: 0.589

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**84**
**South**
**1/4-1/2**
**0.455 mi.**
**2405 ft.**

**HEIDELEMEIER, ROSALIE ESTATE OF** **LUST** **S104524492**
**109 EAST ST. CHARLES RD.** **N/A**
**VILLA PARK, IL 60181**

**Relative:**
**Lower**

**Actual:**
**688 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 922809 |
| IL EPA Id: | 0430805085 |
| Product: | Gasoline |
| IEMA Date: | 10/06/1992 |
| Project Manager: | Irwin |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Estate of Rosalie Heidelemier |
| PRP Contact: | Chuck Brown |
| PRP Address: | OS 560 Rt. 83 |
| PRP City,St,Zip: | Oak Brook Terrace, IL 60181 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 01/15/1993 |
| 45 Report Received: | 01/15/1993 |
| **NFA/NFR Letter:** | **04/06/1993** |
| NFR Date Recorded: | Not reported |

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**O85**
**South**
**1/4-1/2**
**0.457 mi.**
**2412 ft.**

**AMOCO OIL CO. #5383** **LUST** **S103691180**
**ST. CHARLES & ARDMORE** **N/A**
**VILLA PARK, IL 60181**

**Site 5 of 5 in cluster O**

**Relative:**
**Lower**

**Actual:**
**693 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 922374 |
| IL EPA Id: | 0430805062 |
| Product: | Gasoline |
| IEMA Date: | 08/27/1992 |
| Project Manager: | Friedel |
| Project Manager Phone: | (217) 785-5736 |
| Email: | Melinda.Friedel@illinois.gov |
| PRP Name: | Amoco Oil Co. |
| PRP Contact: | Lyle Bruce |
| PRP Address: | 28100 Torch Pkwy., 6-S |
| PRP City,St,Zip: | Warrenville, IL 60555 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 09/08/1992 |
| 45 Report Received: | 11/17/1992 |

**AMOCO OIL CO. #5383 (Continued)** **S103691180**

**NFA/NFR Letter:** **05/10/2000**
NFR Date Recorded: 10/06/2000

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**P86** **DESIGNER SHOWCASE** **ENG CONTROLS** **S104491807**
**SSW** **139 WEST ST. CHARLES ROAD** **INST CONTROL** **N/A**
**1/4-1/2** **VILLA PARK, IL 60181** **SRP**
**0.472 mi.**
**2490 ft.** **Site 1 of 2 in cluster P**

**Relative:**
**Lower**

**Actual:**
**697 ft.**

ENGINEERING CONTROLS:

| | |
|---|---|
| Illinois Epa Id: | 0430805134 |
| NFR Letter: | 09/13/2000 |
| Date NFR Recorded: | 10/04/2000 |
| Type Of Site: | Industrial/Commercial |
| Comprehensive / Focused: | Focused |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | John Cannata |
| RA Company: | Designer Showcase |
| RA Address: | 139 West St. Charles Road |
| RA Secondary Address: | Not reported |
| RA City,St,Zip: | Villa Park, IL 60181- |
| Institutional Controls: | Groundwater use restriction |
| Engineered Barriers: | Asphalt barrier |
| Worker Caution: | True |
| Acres: | 0.343 |

IL INSTUTIONAL CONTROL:

| | |
|---|---|
| Illinois EPA Id: | 0430805134 |
| NFR Letter: | 09/13/2000 |
| Date NFR Recorded: | 10/04/2000 |
| Type Of Site: | Industrial/Commercial |
| Comprehensive / Focused: | Focused |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | John Cannata |
| RA Company: | Designer Showcase |
| RA Address: | 139 West St. Charles Road |
| RA Secondary Address: | Not reported |
| RA City,St,Zip: | Villa Park, IL 60181- |
| Institutional Controls: | Groundwater use restriction |
| Engineered Barriers: | Asphalt barrier |
| Worker Caution: | True |
| Acres: | 0.343 |

SRP:

| | |
|---|---|
| IL EPA Id: | 0430805134 |
| US EPA Id: | Not reported |
| Longitude: | -87.98040 |
| Latitude: | 41.88951 |
| Contact Name: | John Cannata |
| Contact Address: | 139 West St. Charles Road |
| Contact Address2: | Not reported |
| Contact City,St,Zip: | Villa Park, IL 60181- |
| Contact Phone: | (630) 834-4084 |
| Date Enrolled: | 02/15/2000 |
| Point Of Contact: | Daniel Anderson |
| Consultant Company: | ETS Environmental & Associates, Inc. |
| Consultant Address: | P.O. Box 781 |

**DESIGNER SHOWCASE (Continued)** **S104491807**

| | |
|---|---|
| Consultant Address2: | Not reported |
| Consultant City,St,Zip: | Geneva, IL 60134- |
| Consultant Phone: | (630) 761-3570 |
| Proj Mgr Assigned: | Baldwin |
| Sec. 4 Letter Date: | Not reported |
| NFR Recorded: | 10/04/2000 |
| Active: | False |
| Total Acres: | 0.343 |
| No Further Remediation Letter Dt: | 09/13/2000 |
| Remediation Applicant Co: | Designer Showcase |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | Mr. John Cannata |
| Remediation Applicant Company: | Designer Showcase |
| Remediation Applicant Address: | 139 West St. Charles Road |
| Remediation Applicant Address 2: | Not reported |
| Remediation Applicant City,St,Zip: | Villa Park, IL 60181- |
| Illinois EPA: | 0430805134 |
| Site Name: | Designer Showcase |
| NFR Letter: | 2000-09-13 |
| NFR Letter Date Recorded: | 2000-10-04 |
| Site Type: | Industrial/Commercial |
| Comprehensive/Focused: | Focused |
| Institutional Controls: | Groundwater use restriction |
| Barrier: | Asphalt barrier |
| Worker Caution: | True |
| Acres: | 0.343 |

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**P87** **CHARLIES AUTO SERVICE** **LUST** **S104527931**
**SSW** **149 WEST ST. CHARLES ROAD** **N/A**
**1/4-1/2** **VILLA PARK, IL 60181**
**0.476 mi.**
**2512 ft.** **Site 2 of 2 in cluster P**

**Relative:**
**Lower**

**Actual:**
**697 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 20121044 |
| IL EPA Id: | 0430800007 |
| Product: | Gasoline, Deisel |
| IEMA Date: | 10/05/2012 |
| Project Manager: | Not reported |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Not reported |
| PRP Contact: | Not reported |
| PRP Address: | Not reported |
| PRP City,St,Zip: | Not reported |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 734 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | Not reported |
| 45 Report Received: | Not reported |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

| | |
|---|---|
| Incident Num: | 20040656 |
| IL EPA Id: | 0430800007 |

**CHARLIES AUTO SERVICE (Continued)** **S104527931**

| | |
|---|---|
| Product: | Gasoline |
| IEMA Date: | 05/10/2004 |
| Project Manager: | Not reported |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Not reported |
| PRP Contact: | Not reported |
| PRP Address: | Not reported |
| PRP City,St,Zip: | Not reported |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | P.A. |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 05/21/2004 |
| 45 Report Received: | 06/24/2004 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

| | |
|---|---|
| Incident Num: | 890103 |
| IL EPA Id: | 0430800007 |
| Product: | Gasoline |
| IEMA Date: | 01/18/1989 |
| Project Manager: | NOT ASSIGNED |
| Project Manager Phone: | Not reported |
| Email: | Not reported |
| PRP Name: | Charley's Auto Service |
| PRP Contact: | Charles Pickerill |
| PRP Address: | 149 West St. Charles Rd. |
| PRP City,St,Zip: | Villa Park, IL |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 02/09/1989 |
| 45 Report Received: | Not reported |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

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**88**
**SSE**
**1/4-1/2**
**0.482 mi.**
**2544 ft.**

**HAFER CLEANERS** **SRP** **S111826400**
**159 EAST ST. CHARLES ROAD** **DRYCLEANERS** **N/A**
**VILLA PARK, IL 60181**

**Relative:**
**Lower**

**Actual:**
**686 ft.**

SRP:

| | |
|---|---|
| IL EPA Id: | 0430805027 |
| US EPA Id: | ILD981793508 |
| Longitude: | -87.97393 |
| Latitude: | 41.88955 |
| Contact Name: | John Babb |
| Contact Address: | 712 Wayside Court |
| Contact Address2: | Not reported |
| Contact City,St,Zip: | Franklin, TN 37069- |
| Contact Phone: | (615) 498-7768 |
| Date Enrolled: | 09/20/2012 |
| Point Of Contact: | Marie Mueller |

**HAFER CLEANERS (Continued)** **S111826400**

| | |
|---|---|
| Consultant Company: | Mostardi Platt |
| Consultant Address: | 888 Industrial Drive |
| Consultant Address2: | Not reported |
| Consultant City,St,Zip: | Elmhurst, IL 60126- |
| Consultant Phone: | (630) 993-2114 |
| Proj Mgr Assigned: | Catlin |
| Sec. 4 Letter Date: | Not reported |
| NFR Recorded: | Not reported |
| Active: | True |
| Total Acres: | Not reported |
| No Further Remediation Letter Dt: | Not reported |
| Remediation Applicant Co: | Babb Enterprises, Inc. |
| Remediation Applicant Title: | Mr. |
| Remediation Applicant Name: | Not reported |
| Remediation Applicant Company: | Not reported |
| Remediation Applicant Address: | Not reported |
| Remediation Applicant Address 2: | Not reported |
| Remediation Applicant City,St,Zip: | Not reported |
| Illinois EPA: | Not reported |
| Site Name: | Not reported |
| NFR Letter: | Not reported |
| NFR Letter Date Recorded: | Not reported |
| Site Type: | Not reported |
| Comprehensive/Focused: | Not reported |
| Institutional Controls: | Not reported |
| Barrier: | Not reported |
| Worker Caution: | Not reported |
| Acres: | Not reported |

DRYCLEANERS:

| | |
|---|---|
| Facility Id: | 2923-4441-01 |
| DC No: | DC-01137 |
| Facility Contact: | BRIAN YIM |
| License Expires: | 12/31/2012 |

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**89**
**WNW**
**1/4-1/2**
**0.489 mi.**
**2580 ft.**

**UNITED RENTALS** **LUST** **S108282944**
**880 NORTH ADDISON ROAD** **N/A**
**VILLA PARK, IL 60181**

**Relative:**
**Lower**

**Actual:**
**704 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 20070051 |
| IL EPA Id: | 0430805102 |
| Product: | Gasoline, Deisel |
| IEMA Date: | 01/18/2007 |
| Project Manager: | Covert |
| Project Manager Phone: | (217) 785-3943 |
| Email: | Chris.Covert@illinois.gov |
| PRP Name: | Not reported |
| PRP Contact: | Not reported |
| PRP Address: | Not reported |
| PRP City,St,Zip: | Not reported |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 734 |

**UNITED RENTALS (Continued)** **S108282944**

| | |
|---|---|
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 01/31/2007 |
| 45 Report Received: | 03/02/2007 |
| **NFA/NFR Letter:** | **04/12/2007** |
| NFR Date Recorded: | 08/08/1988 |

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**90**
**West**
**1/4-1/2**
**0.489 mi.**
**2581 ft.**

**CRAVENS LABEL HOLDER CORP.** **LUST** **S105620809**
**619 NORTH ADDISON RD.** **N/A**
**VILLA PARK, IL 60181**

**Relative:**
**Higher**

**Actual:**
**713 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 20021448 |
| IL EPA Id: | 0430805148 |
| Product: | Fuel Oil |
| IEMA Date: | 10/10/2002 |
| Project Manager: | Zuehlke |
| Project Manager Phone: | (217) 557-6937 |
| Email: | Wayne.Zuehlke@illinois.gov |
| PRP Name: | Cravens Label Holder Corp. |
| PRP Contact: | Fred Falkner |
| PRP Address: | 5125 Cantabria Crest |
| PRP City,St,Zip: | Sarasota, FL 34238 |
| PRP Phone: | 9419214158 |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | P.A. |
| Date Section 57.5(g) Letter: | 12/05/2005 |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 12/30/2002 |
| 45 Report Received: | 12/30/2002 |
| **NFA/NFR Letter:** | **Not reported** |
| NFR Date Recorded: | Not reported |

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**91**
**WNW**
**1/4-1/2**
**0.490 mi.**
**2586 ft.**

**TERRACE SUPPLY CO.** **LUST** **S108649829**
**710 NORTH ADDISON** **N/A**
**VILLA PARK, IL 60181**

**Relative:**
**Higher**

**Actual:**
**712 ft.**

LUST:

| | |
|---|---|
| Incident Num: | 931542 |
| IL EPA Id: | 0430805038 |
| Product: | Fuel Oil |
| IEMA Date: | 06/09/1993 |
| Project Manager: | Blumhorst |
| Project Manager Phone: | (217) 782-6762 |
| Email: | Not reported |
| PRP Name: | Terrace Supply Co. |
| PRP Contact: | Frank Benuska |
| PRP Address: | 710 North Addison |
| PRP City,St,Zip: | Villa Park, IL 60181 |
| PRP Phone: | Not reported |
| Site Classification: | Not reported |
| Section 57.5(g) Letter: | 731 |

**TERRACE SUPPLY CO. (Continued)** **S108649829**

| | |
|---|---|
| Date Section 57.5(g) Letter: | Not reported |
| Non LUST Determination Letter: | Not reported |
| 20 Report Received: | 07/16/1993 |
| 45 Report Received: | 09/07/1994 |
| **NFA/NFR Letter:** | **12/29/1994** |
| NFR Date Recorded: | Not reported |

Count: 28 records. ORPHAN SUMMARY

| City | EDR ID | Site Name | Site Address | Zip | Database(s) |
|---|---|---|---|---|---|
| ADDISON | 1014389952 | BADGER EXPRESS LLC | I290 & RT 83 | 60101 | RCRA-NonGen |
| ADDISON | 1008126083 | ADDISON PARK DIST | 414 FULLERTON | 60101 | FINDS |
| ADDISON | U001135144 | UNITED LABORATORIES INC | 155 S RT 53 | 60101 | UST |
| ADDISON | S110156988 | VCNA PRAIRIE - YARD 1014 | 799 STATE 53 | 60101 | LUST, TIER 2 |
| ELMHURST | 1014472099 | DUPAGE MATERIALS CO | 1550 RT 83 | 60126 | RCRA-SQG |
| ELMHURST | 92276653 | SE CORNER OF PARK AND PROSPECT AVE | SE CORNER OF PARK AND PROSPECT | 60126 | ERNS |
| ELMHURST | S110526410 | MCMASTER CARR SUPPLY | 600 COUNTY LINE RD | 60126 | LUST, SPILLS, AIRS |
| ELMHURST | 1014703449 | 305 ELM PARK ST | 305 ELM PARK AVE | 60126 | FINDS |
| ELMHURST | U004115096 | HERTZ EQUIPMENT RENTAL CORPORATION | 625 S IL ROUTE 83 | 60126 | LUST, UST |
| ELMHURST | U003909914 | CANTORE CONST | 925 S IL ROUTE 83 | 60126 | UST |
| ELMHURST | 1004694103 | FEDERAL CENTERS | 265 S RT 83B | 60126 | RCRA-CESQG, FINDS |
| ELMHURST | 1004697533 | OAKBROOK BODY TECH | 633 S RT 83 | 60126 | RCRA-CESQG, FINDS |
| ELMHURST | 1004694007 | CELL ANALYSIS SYSTEMS INC | 909 S RT 83 | 60126 | RCRA-CESQG, FINDS |
| ELMHURST | 1011853403 | ELMHURST PARK EAST END POOL | 463 WAST SCHILLER ST | 60126 | FINDS |
| LOMBARD | 1008141257 | BRUSS NURSERY | 21360 ROOSEVELT | 60148 | FINDS, SWF/LF |
| OAKBROOK TERRACE | 1001123381 | TERRACE LIMITED PARTNERSHIP | RT 83 S | 60181 | RCRA-NonGen, FINDS |
| OAKBROOK TERRACE | 1004698289 | WEST SHORE PIPE LINE CO | RT 83 & 22ND ST | 60181 | RCRA-NonGen |
| VILLA PARK | 1001201869 | AETS | ARDMORE AVE & 1ST ST | 60181 | RCRA-NonGen, FINDS |
| VILLA PARK | S110707509 | VILLA PARK ROADWAY W/SAN SEWER | 900 BLOCK OF N PRINCETON AVE | 60181 | NPDES |
| VILLA PARK | 1010344389 | VILLA PARK ROADWAY & SAN SEWER | 900 BLOCK OF N PRINCETON AVE | 60181 | FINDS |
| VILLA PARK | 1005488883 | VILLA PARK WET WEATHER STP | FLOW TREATMENT FACILITY | 60181 | FINDS |
| VILLA PARK | S110157114 | VILLA PARK - 53069 | 17736 E HILL RD | 60181 | TIER 2 |
| VILLA PARK | S110157113 | VILLA PARK - 45007 | 17736 E HILL RD | 60181 | TIER 2 |
| VILLA PARK | 1008141517 | KROTT, EUGENE | 439 MADISON | 60181 | FINDS, SWF/LF |
| VILLA PARK | U001135446 | SALT CREEK SANITARY DIST | 201 S RT 83 | 60181 | UST |
| VILLA PARK | S108967880 | SALT CREEK SANITARY DISTRICT | 201 S RT 83 | 60181 | NPDES, LUST |
| VILLA PARK | 1004698266 | WAL-MART @900 S RTE 83 | 900 S RT 83 | 60181 | RCRA-NonGen |
| VILLA PARK | 1004698236 | WALMART 1737 | 900 S RT 83 | 60181 | RCRA-SQG, FINDS |

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

**STANDARD ENVIRONMENTAL RECORDS**

***Federal NPL site list***

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 10/11/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Quarterly

***Federal CERCLIS list***

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 12/27/2011
Date Data Arrived at EDR: 02/27/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 14

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 10/09/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 72

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 10/09/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Varies

***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 12/28/2011
Date Data Arrived at EDR: 02/27/2012
Date Made Active in Reports: 03/12/2012
Number of Days to Update: 14

Source: EPA
Telephone: 703-412-9810
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Quarterly

***Federal RCRA generators list***

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Varies

***Federal institutional controls / engineering controls registries***

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Varies

***Federal ERNS list***

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Annually

***State- and tribal - equivalent CERCLIS***

SSU: State Sites Unit Listing

The State Response Action Program database identifies the status of all sites under the responsibility of the Illinois EPA's State Sites Unit.

Date of Government Version: 07/10/2012
Date Data Arrived at EDR: 07/12/2012
Date Made Active in Reports: 08/02/2012
Number of Days to Update: 21

Source: Illinois Environmental Protection Agency
Telephone: 217-524-4826
Last EDR Contact: 07/12/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

***State and tribal landfill and/or solid waste disposal site lists***

LF WMRC: Waste Management & Research Center Landfill Database

The Waste Management & Research Center Landfill Database includes records from the Department of Public Health, Department of Mines & Minerals, Illinois Environmental Protection Agency, State Geological Survey, Northeastern Illinois Planning Commission and Pollution Control Board.

Date of Government Version: 12/31/2001
Date Data Arrived at EDR: 10/06/2006
Date Made Active in Reports: 11/06/2006
Number of Days to Update: 31

Source: Department of Natural Resources
Telephone: 217-333-8940
Last EDR Contact: 09/18/2009
Next Scheduled EDR Contact: 12/28/2009
Data Release Frequency: No Update Planned

SWF/LF: Available Disposal for Solid Waste in Illinois - Solid Waste Landfills Subject to State Surcharge

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/05/2012
Number of Days to Update: 28

Source: Illinois Environmental Protection Agency
Telephone: 217-785-8604
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

LF SPECIAL WASTE: Special Waste Site List

These landfills, as of January 1, 1990, accept non-hazardous special waste pursuant to the Illinois EPA Non-Hazardous Special Waste Definition. List A includes landfills that may receive any non-hazardous waste, Non-Regional Pollution Control Facilities are so noted. List B includes landfills designed to receive specific non-hazardous wastes. List B landfills are designated as a Regional Pollution Control Facility by RPCF, or Non-Regional Pollution Control Facility by Non-RPCF.

Date of Government Version: 01/01/1990
Date Data Arrived at EDR: 06/17/2009
Date Made Active in Reports: 07/15/2009
Number of Days to Update: 28

Source: Illinois EPA
Telephone: 217-782-9288
Last EDR Contact: 06/10/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IL NIPC: Solid Waste Landfill Inventory

Solid Waste Landfill Inventory. NIPC is an inventory of active and inactive solid waste disposal sites, based on state, local government and historical archive data. Included are numerous sites which previously had never been identified largely because there was no obligation to register such sites prior to 1971.

Date of Government Version: 08/01/1988
Date Data Arrived at EDR: 08/01/1994
Date Made Active in Reports: 08/12/1994
Number of Days to Update: 11

Source: Northeastern Illinois Planning Commission
Telephone: 312-454-0400
Last EDR Contact: 05/23/2006
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CCDD: Clean Construction or Demolition Debris

Construction and demolition (C and D) debris is nonhazardous, uncontaminated material resulting from construction, remodeling, repair, or demolition of utilities, structures, and roads.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 27

Source: Illinois EPA
Telephone: 217-524-3300
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

***State and tribal leaking storage tank lists***

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST: Leaking Underground Storage Tank Sites

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 10/12/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 27

Source: Illinois Environmental Protection Agency
Telephone: 217-782-6762
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

LUST TRUST: Underground Storage Tank Fund Payment Prioirty List

In case sufficient funds are not available in the Underground Storage Tank Fund, requests for payment are entered on the Payment Priority List by "queue date" order. As required by the Environmental Protection Act, the queue date is the date that a complete request for partial or final payment was received by the Agency. The queue date is "officially" confirmed at the end of the payment review process when a Final Decision Letter is sent to the site owner.

Date of Government Version: 10/31/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 11/29/2012
Number of Days to Update: 28

Source: Illinois EPA
Telephone: 217-782-6762
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/13/2013
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75
Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

***State and tribal registered storage tank lists***

UST: Underground Storage Tank Facility List
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 07/30/2012
Date Data Arrived at EDR: 07/31/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 51
Source: Illinois State Fire Marshal
Telephone: 217-785-0969
Last EDR Contact: 11/21/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN UST R1: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75
Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34
Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 08/02/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

***State and tribal institutional control / engineering control registries***

ENG CONTROLS: Sites with Engineering Controls
Sites using of engineered barriers (e.g., asphalt or concrete paving).

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 36
Source: Illinois Environmental Protection Agency
Telephone: 217-782-6761
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Quarterly

Inst Control: Institutional Controls
Legal or administrative restrictions on land use and/or other activities (e.g., groundwater use restrictions) which effectively limit exposure to contamination may be employed as alternatives to removal or treatment of contamination.

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 36
Source: Illinois Environmental Protection Agency
Telephone: 217-782-6761
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Quarterly

***State and tribal voluntary cleanup sites***

SRP: Site Remediation Program Database
The database identifies the status of all voluntary remediation projects administered through the pre-notice site cleanup program (1989 to 1995) and the site remediation program (1996 to the present).

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 36
Source: Illinois Environmental Protection Agency
Telephone: 217-785-9407
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Semi-Annually

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27
Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 09/28/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14
Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Varies

***State and tribal Brownfields sites***

BROWNFIELDS: Municipal Brownfields Redevelopment Grant Program Project Descriptions

The Illinois Municipal Brownfields Redevelopment Grant Program (MBRGP) offers grants worth a maximum of $240,000 each to municipalities to assist in site investigation activities, development of cleanup objectives, and performance of cleanup activities. Brownfields are abandoned or underused industrial and/or commercial properties that are contaminated (or thought to be contaminated) and have an active potential for redevelopment.

Date of Government Version: 10/17/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 40

Source: Illinois Environmental Protection Agency
Telephone: 217-785-3486
Last EDR Contact: 12/12/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

BROWNFIELDS: Redevelopment Assessment Database

The Office of Site Evaluations Redevelopment Assessment database identifies the status of all properties within the State in which the Illinois EPA's Office of Site Evaluation has conducted a municipal Brownfield Redevelopment Assessment.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/01/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 27

Source: Illinois Environmental Protection Agency
Telephone: 217-524-1658
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

**ADDITIONAL ENVIRONMENTAL RECORDS**

***Local Brownfield lists***

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

***Local Lists of Landfill / Solid Waste Disposal Sites***

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52
Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

***Local Lists of Hazardous waste / Contaminated Sites***

US CDL: Clandestine Drug Labs
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 07/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 54
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Quarterly

CDL: Meth Drug Lab Site Listing
A listing of clandestine/meth drug lab locations.

Date of Government Version: 10/22/2012
Date Data Arrived at EDR: 10/23/2012
Date Made Active in Reports: 11/28/2012
Number of Days to Update: 36
Source: Department of Public Health
Telephone: 217-782-5750
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

US HIST CDL: National Clandestine Laboratory Register
A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 09/01/2007
Date Data Arrived at EDR: 11/19/2008
Date Made Active in Reports: 03/30/2009
Number of Days to Update: 131
Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

***Local Land Records***

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

***Records of Emergency Release Reports***

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Annually

SPILLS: State spills

A listing of incidents reported to the Office of Emergency Response.

Date of Government Version: 07/18/2012
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 07/30/2012
Number of Days to Update: 7

Source: Illinois EPA
Telephone: 217-558-1677
Last EDR Contact: 10/15/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

***Other Ascertainable Records***

RCRA-NonGen: RCRA - Non Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 312-886-6186
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Annually

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Semi-Annually

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2006
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Every 4 Years

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing
A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing
A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems
Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77
Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 07/20/2011
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 10/02/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (312) 353-2000
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Quarterly

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Biennially

UIC: Underground Injection Wells

Injection wells are used for disposal of fluids by "injection" into the subsurface. The construction of injection wells range from very technical designs with twenty-four hour monitoring to simply a hole dug in the ground to control runoff. As a result of this diversity, the UIC Program divides injection wells into five different classes.

Date of Government Version: 08/31/2012
Date Data Arrived at EDR: 09/05/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 15

Source: Illinois EPA
Telephone: 217-782-9878
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

NPDES: A Listing of Active Permits

A listing of facilities currently active in the state. The types of permits are public, private, federal and state.

Date of Government Version: 07/09/2012
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 08/09/2012
Number of Days to Update: 6

Source: Illinois EPA
Telephone: 217-782-0610
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Varies

HWAR: Hazard Waste Annual Report

Each year, Illinois hazardous-waste generators tell the Illinois EPA the amounts and kinds of hazardous waste they produced during the previous year. Generators indicate by code the types of wastes produced and the steps they took to manage these wastes. If some or all of these wastes were sent to commercial treatment, storage, and disposal facilities (TSDFs), that information and the identity of each receiving facility also are submitted.
Illinois TSDFs likewise report the types and quantities of wastes received from in-state and out-of-state generators; they also report the procedures they used to manage these wastes.

Date of Government Version: 12/31/2010
Date Data Arrived at EDR: 04/24/2012
Date Made Active in Reports: 05/16/2012
Number of Days to Update: 22

Source: Illinois EPA
Telephone: 217-524-3300
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Annually

DRYCLEANERS: Illinois Licensed Drycleaners

Any retail drycleaning facility in Illinois must apply for a license through the Illinois Drycleaner Environmental Response Trust Fund. Drycleaner Environmental Response Trust Fund of Illinois.

Date of Government Version: 08/27/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 23

Source: Drycleaner Environmental Response Trust Fund of Illinois
Telephone: 800-765-4041
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

IMPDMENT: Surface Impoundment Inventory

Statewide inventory of industrial, municipal, mining, oil & gas , and large agricultural impoundment. This study was conducted by the Illinois EPA to assess potentail for contamination of shallow aquifers. This was a one-time study. Although many of the impoundments may no longer be present, the sites may be contaminated.

Date of Government Version: 12/31/1980
Date Data Arrived at EDR: 03/08/2002
Date Made Active in Reports: 06/03/2002
Number of Days to Update: 87

Source: Illinois Waste Management & Research Center
Telephone: 217-333-8940
Last EDR Contact: 02/20/2002
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

AIRS: AIRS

A listing of air permits and emissions information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 04/16/2012
Date Made Active in Reports: 05/15/2012
Number of Days to Update: 29

Source: Illinois EPA
Telephone: 217-557-0314
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/21/2013
Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 05/23/2012
Date Made Active in Reports: 06/28/2012
Number of Days to Update: 36

Source: Illinois Emergency Management Agency
Telephone: 217-785-9860
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Annually

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Semi-Annually

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Varies

PIMW: Potentially Infectious Medical Waste

Potentially Infectious Medical Waste (PIMW) is waste generated in connection with the diagnosis, treatment (i.e., provision of medical services), or immunization of human beings or animals; research pertaining to the provision of medical services; or the provision or testing of biologicals.

Date of Government Version: 09/24/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 10/22/2012
Number of Days to Update: 27

Source: Illinois EPA
Telephone: 217-524-3289
Last EDR Contact: 12/26/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Varies

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36
Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 69
Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

Financial Assurance: Financial Assurance Information Listing

Information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 06/01/2010
Date Data Arrived at EDR: 06/03/2010
Date Made Active in Reports: 07/14/2010
Number of Days to Update: 41
Source: Illinois Environmental Protection Agency
Telephone: 217-782-9887
Last EDR Contact: 11/29/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 08/17/2010
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)
The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

2020 COR ACTION: 2020 Corrective Action Program List
The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 11/11/2011
Date Data Arrived at EDR: 05/18/2012
Date Made Active in Reports: 05/25/2012
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

COAL ASH: Coal Ash Site Listing
A listing of coal ash site lcoations.

Date of Government Version: 10/01/2011
Date Data Arrived at EDR: 03/09/2012
Date Made Active in Reports: 04/10/2012
Number of Days to Update: 32

Source: Illinois EPA
Telephone: 217-782-1654
Last EDR Contact: 12/07/2012
Next Scheduled EDR Contact: 03/18/2013
Data Release Frequency: Annually

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 10/04/2012
Next Scheduled EDR Contact: 01/14/2013
Data Release Frequency: Quarterly

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: N/A

**EDR HIGH RISK HISTORICAL RECORDS**

***EDR Exclusive Records***

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

**OTHER DATABASE(S)**

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 08/20/2012
Date Data Arrived at EDR: 08/20/2012
Date Made Active in Reports: 09/20/2012
Number of Days to Update: 31

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 10/16/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data
Source: Rextag Strategies Corp.
Telephone: (281) 769-2247
U.S. Electric Transmission and Power Plants Systems Digital GIS Data

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Homes & Centers Listing
Source: Department of Children & Family Services
Telephone: 312-814-4150

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**STREET AND ADDRESS INFORMATION**

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# GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

**TARGET PROPERTY ADDRESS**

VILLA PARK STREETSCAPE PROJECT
344-726 N ARDMORE AVE
VILLA PARK, IL 60181

**TARGET PROPERTY COORDINATES**

| | |
|---|---|
| Latitude (North): | 41.9016 - 41° 54' 5.76'' |
| Longitude (West): | 87.9788 - 87° 58' 43.68'' |
| Universal Tranverse Mercator: | Zone 16 |
| UTM X (Meters): | 418810.7 |
| UTM Y (Meters): | 4639101.0 |
| Elevation: | 706 ft. above sea level |

**USGS TOPOGRAPHIC MAP**

| | |
|---|---|
| Target Property Map: | 41087-H8 ELMHURST, IL |
| Most Recent Revision: | 1997 |

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**GROUNDWATER FLOW DIRECTION INFORMATION**

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

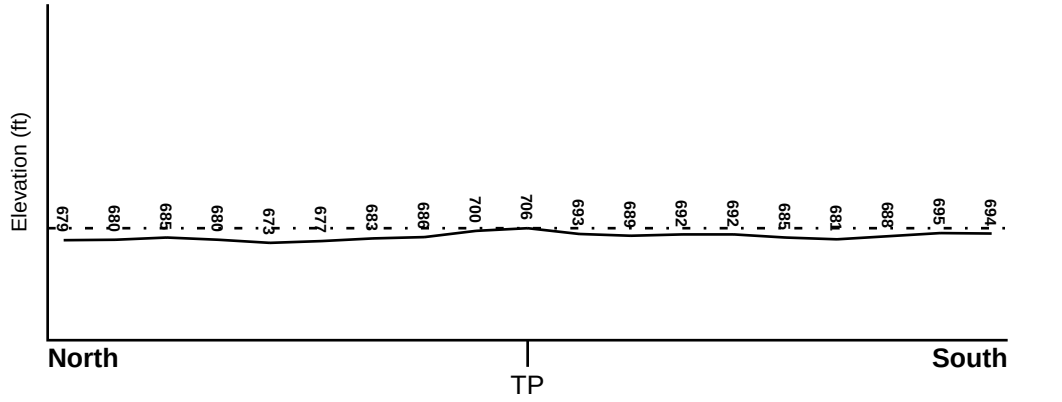
**TOPOGRAPHIC INFORMATION**

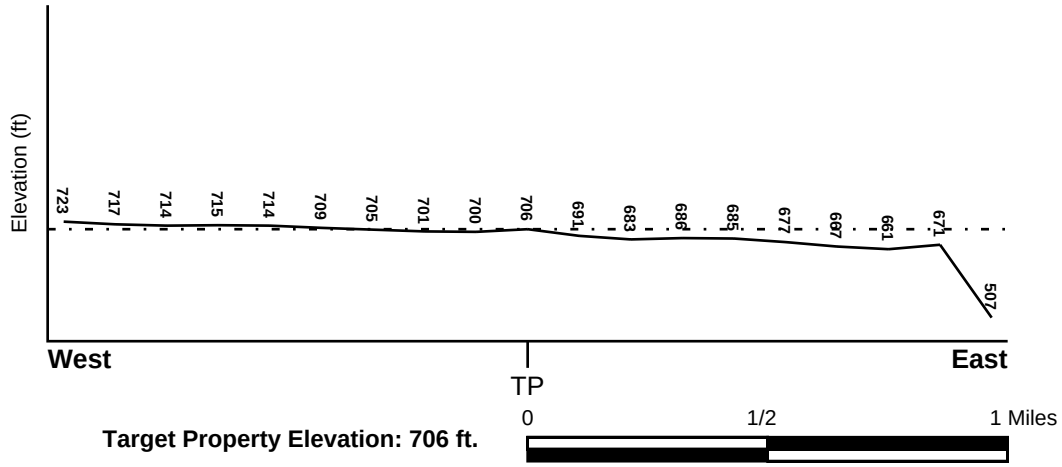
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

**TARGET PROPERTY TOPOGRAPHY**

General Topographic Gradient: General ENE

**SURROUNDING TOPOGRAPHY: ELEVATION PROFILES**




0 1/2 1 Miles

**Target Property Elevation: 706 ft.**

Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

| Target Property County | FEMA Flood Electronic Data |
|---|---|
| DUPAGE, IL | YES - refer to the Overview Map and Detail Map |

Flood Plain Panel at Target Property: 1702170001B - FEMA Q3 Flood data

Additional Panels in search area:
1701980005C - FEMA Q3 Flood data
1702050003C - FEMA Q3 Flood data
1701970030D - FEMA Q3 Flood data
1701980008B - FEMA Q3 Flood data
1702120005B - FEMA Q3 Flood data
1702050004C - FEMA Q3 Flood data
1702170002B - FEMA Q3 Flood data

## NATIONAL WETLAND INVENTORY

| NWI Quad at Target Property | NWI Electronic Data Coverage |
|---|---|
| ELMHURST | YES - refer to the Overview Map and Detail Map |

## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

***Site-Specific Hydrogeological Data*:***

| | |
|---|---|
| Search Radius: | 1.25 miles |
| Status: | Not found |

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

| MAP ID | LOCATION FROM TP | GENERAL DIRECTION GROUNDWATER FLOW |
|---|---|---|
| Not Reported | | |

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

## GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

**ROCK STRATIGRAPHIC UNIT**

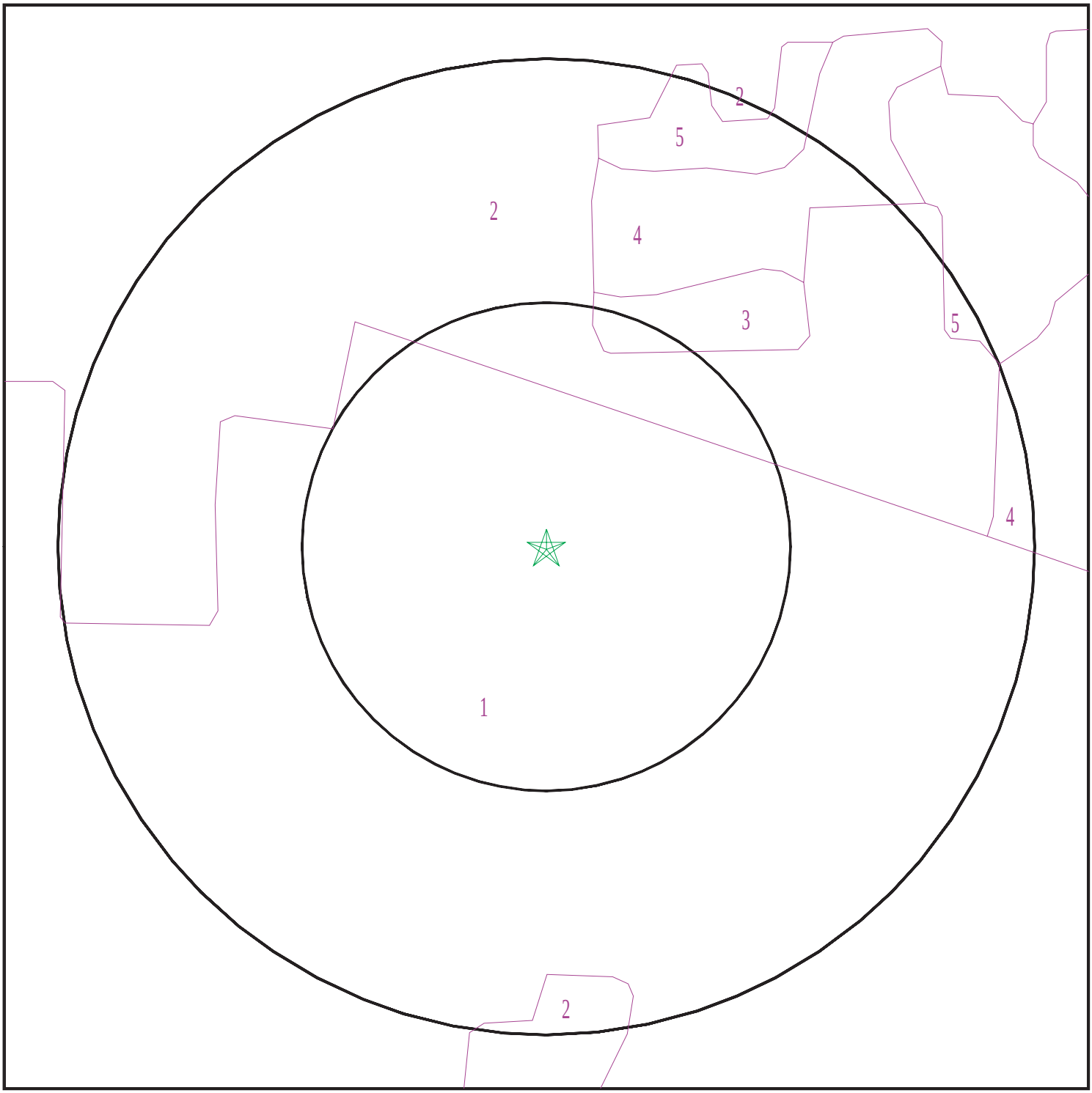
| | |
|---|---|
| Era: | Paleozoic |
| System: | Silurian |
| Series: | Middle Silurian (Niagoaran) |
| Code: | S2 *(decoded above as Era, System & Series)* |

**GEOLOGIC AGE IDENTIFICATION**

Category: Stratifed Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

# SSURGO SOIL MAP - 3485323.2s




Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

| | | | |
|---|---|---|---|
| SITE NAME: | Villa Park Streetscape Project | CLIENT: | V3 Companies of IL, LTD |
| ADDRESS: | 344-726 N ARDMORE AVE<br>Villa Park IL 60181 | CONTACT: | Margie Lathrop |
| | | INQUIRY #: | 3485323.2s |
| LAT/LONG: | 41.9016 / 87.9788 | DATE: | December 31, 2012 3:18 pm |

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# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

---

**Soil Map ID: 1**

Soil Component Name: Markham

Soil Surface Texture: silt loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Partially hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 7 inches | silt loam | Not reported | Not reported | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |
| 2 | 7 inches | 31 inches | | Not reported | Not reported | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |
| 3 | 31 inches | 59 inches | | Not reported | Not reported | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |

---

**Soil Map ID: 2**

Soil Component Name: Orthents, clayey

Soil Surface Texture: silty clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 84 inches

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 0 inches | 5 inches | silty clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 0.42<br>Min: 0.14 | Max: 8.4<br>Min: 6.1 |
| 2 | 5 inches | 59 inches | silty clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 0.42<br>Min: 0.14 | Max: 8.4<br>Min: 6.1 |

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**Soil Map ID: 3**

Soil Component Name: Markham

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 76 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 20 inches | 31 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.9 |
| 2 | 0 inches | 7 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.9 |
| 3 | 7 inches | 20 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.9 |
| 4 | 31 inches | 59 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.9 |

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**Soil Map ID: 4**

Soil Component Name: Elliott

Soil Surface Texture: silty clay

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Somewhat poorly drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 41 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 11 inches | 16 inches | silty clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |
| 2 | 5 inches | 11 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |
| 3 | 0 inches | 5 inches | silt loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |
| 4 | 16 inches | 40 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |
| 5 | 40 inches | 59 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 1.41<br>Min: 0.42 | Max: 8.4<br>Min: 7.4 |

---

**Soil Map ID: 5**

Soil Component Name: Ashkum

Soil Surface Texture: silty clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Poorly drained

Hydric Status: All hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 15 inches

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

| Soil Layer Information | | | | | | | |
|---|---|---|---|---|---|---|---|
| | Boundary | | | Classification | | Saturated hydraulic conductivity micro m/sec | Soil Reaction (pH) |
| Layer | Upper | Lower | Soil Texture Class | AASHTO Group | Unified Soil | | |
| 1 | 53 inches | 59 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 4.23<br>Min: 1.41 | Max: 7.8<br>Min: 6.6 |
| 2 | 0 inches | 11 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 4.23<br>Min: 1.41 | Max: 7.8<br>Min: 6.6 |
| 3 | 11 inches | 29 inches | silty clay | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 4.23<br>Min: 1.41 | Max: 7.8<br>Min: 6.6 |
| 4 | 29 inches | 53 inches | silty clay loam | Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils. | FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay | Max: 4.23<br>Min: 1.41 | Max: 7.8<br>Min: 6.6 |

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

**WELL SEARCH DISTANCE INFORMATION**

| DATABASE | SEARCH DISTANCE (miles) |
|---|---|
| Federal USGS | 1.000 |
| Federal FRDS PWS | Nearest PWS within 1 mile |
| State Database | 1.000 |

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**FEDERAL USGS WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 72 | USGS2351579 | 1/2 - 1 Mile WSW |
| Y95 | USGS2351736 | 1/2 - 1 Mile South |
| 97 | USGS2351735 | 1/2 - 1 Mile South |

**FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| B5 | IL0430800 | 1/8 - 1/4 Mile WSW |

Note: PWS System location is not always the same as well location.

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| A1 | P19052 | 0 - 1/8 Mile North |
| A2 | ILSG20000220438 | 0 - 1/8 Mile NNE |
| A3 | ILSG20000220475 | 0 - 1/8 Mile NW |
| B4 | P19055 | 0 - 1/8 Mile West |
| C6 | ILSG20000220572 | 1/8 - 1/4 Mile NNE |
| D7 | ILEP20000005993 | 1/8 - 1/4 Mile SW |
| D8 | P19054 | 1/8 - 1/4 Mile SW |
| D9 | ILSG20000220123 | 1/8 - 1/4 Mile SW |
| C10 | ILSG20000220664 | 1/8 - 1/4 Mile NNE |
| C11 | P19051 | 1/8 - 1/4 Mile NE |
| C12 | P19050 | 1/8 - 1/4 Mile NE |
| E13 | ILSG20000220704 | 1/8 - 1/4 Mile NNE |
| F14 | P19048 | 1/8 - 1/4 Mile East |
| F15 | ILSG20000220354 | 1/4 - 1/2 Mile East |
| E16 | ILEP20000006015 | 1/4 - 1/2 Mile NNE |
| G17 | ILSG20000220637 | 1/4 - 1/2 Mile ENE |
| G18 | P19049 | 1/4 - 1/2 Mile ENE |
| G19 | ILSG20000220642 | 1/4 - 1/2 Mile ENE |
| H20 | ILSG20000220485 | 1/4 - 1/2 Mile ENE |
| H21 | ILSG20000220486 | 1/4 - 1/2 Mile ENE |
| H22 | P19047 | 1/4 - 1/2 Mile East |
| H23 | P19046 | 1/4 - 1/2 Mile East |
| I24 | ILSG20000220765 | 1/4 - 1/2 Mile NE |
| 25 | P19045 | 1/4 - 1/2 Mile ESE |
| I26 | P21913 | 1/4 - 1/2 Mile NE |
| I27 | P21914 | 1/4 - 1/2 Mile NE |
| I28 | ILSG20000220745 | 1/4 - 1/2 Mile NE |
| 29 | P21902 | 1/4 - 1/2 Mile NW |
| 30 | ILSG20000220938 | 1/4 - 1/2 Mile NE |
| J31 | ILSG20000220556 | 1/4 - 1/2 Mile ENE |
| K32 | ILSG20000221100 | 1/4 - 1/2 Mile North |
| J33 | ILSG20000220584 | 1/4 - 1/2 Mile ENE |
| 34 | ILSG20000221061 | 1/4 - 1/2 Mile NNE |
| 35 | ILSG20000220253 | 1/4 - 1/2 Mile East |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**STATE DATABASE WELL INFORMATION**

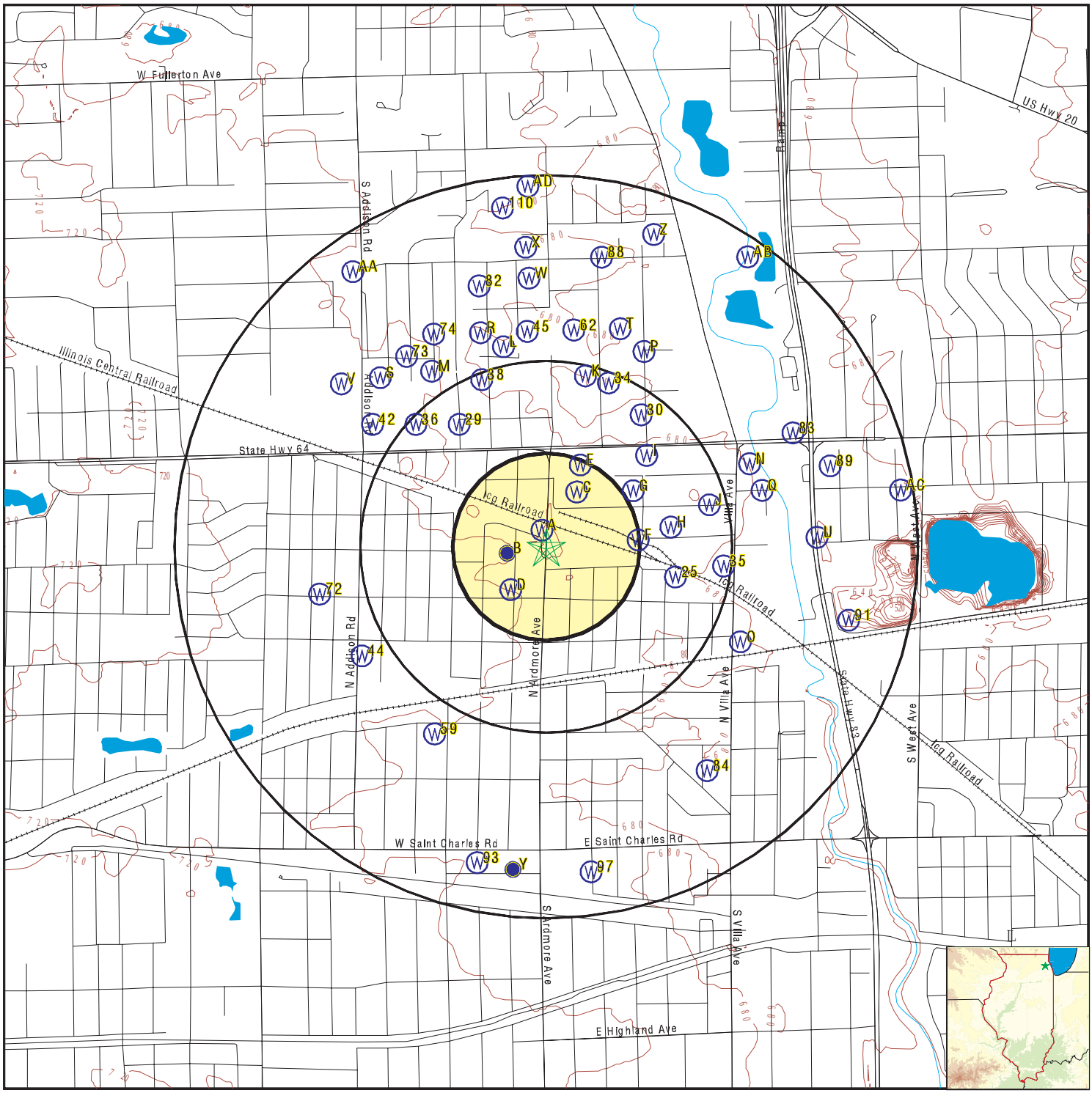
| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 36 | P21903 | 1/4 - 1/2 Mile NW |
| K37 | ILSG20000221111 | 1/4 - 1/2 Mile NNE |
| 38 | ILSG20000221088 | 1/4 - 1/2 Mile NNW |
| L39 | ILSG20000221211 | 1/2 - 1 Mile NNW |
| M40 | ILSG20000221079 | 1/2 - 1 Mile NW |
| N41 | ILSG20000220719 | 1/2 - 1 Mile ENE |
| 42 | P21904 | 1/2 - 1 Mile NW |
| L43 | P21900 | 1/2 - 1 Mile NNW |
| 44 | P19053 | 1/2 - 1 Mile WSW |
| 45 | ILSG20000221301 | 1/2 - 1 Mile North |
| O46 | P19027 | 1/2 - 1 Mile ESE |
| O47 | P19032 | 1/2 - 1 Mile ESE |
| O48 | P19031 | 1/2 - 1 Mile ESE |
| O49 | P19028 | 1/2 - 1 Mile ESE |
| O50 | P19029 | 1/2 - 1 Mile ESE |
| O51 | P19030 | 1/2 - 1 Mile ESE |
| O52 | P19038 | 1/2 - 1 Mile ESE |
| O53 | P19035 | 1/2 - 1 Mile ESE |
| O54 | P19036 | 1/2 - 1 Mile ESE |
| O55 | P19033 | 1/2 - 1 Mile ESE |
| O56 | P19039 | 1/2 - 1 Mile ESE |
| O57 | P19037 | 1/2 - 1 Mile ESE |
| O58 | P19034 | 1/2 - 1 Mile ESE |
| 59 | ILSG20000219384 | 1/2 - 1 Mile SSW |
| P60 | ILSG20000221222 | 1/2 - 1 Mile NNE |
| P61 | ILSG20000221223 | 1/2 - 1 Mile NNE |
| 62 | ILSG20000221303 | 1/2 - 1 Mile North |
| M63 | ILSG20000221189 | 1/2 - 1 Mile NNW |
| Q64 | P19044 | 1/2 - 1 Mile ENE |
| Q65 | P19043 | 1/2 - 1 Mile ENE |
| R66 | ILSG20000221293 | 1/2 - 1 Mile NNW |
| R67 | ILSG20000221294 | 1/2 - 1 Mile NNW |
| S68 | ILSG20000221066 | 1/2 - 1 Mile NW |
| N69 | ILSG20000220750 | 1/2 - 1 Mile ENE |
| T70 | ILSG20000221307 | 1/2 - 1 Mile NNE |
| T71 | ILSG20000221308 | 1/2 - 1 Mile NNE |
| 73 | ILSG20000221210 | 1/2 - 1 Mile NW |
| 74 | ILSG20000221280 | 1/2 - 1 Mile NNW |
| S75 | ILSG20000221125 | 1/2 - 1 Mile NW |
| U76 | P19042 | 1/2 - 1 Mile East |
| V77 | ILSG20000221056 | 1/2 - 1 Mile NW |
| V78 | ILSG20000221057 | 1/2 - 1 Mile NW |
| W79 | ILSG20000221458 | 1/2 - 1 Mile North |
| W80 | ILSG20000221459 | 1/2 - 1 Mile North |
| W81 | ILSG20000221480 | 1/2 - 1 Mile North |
| 82 | ILSG20000221450 | 1/2 - 1 Mile NNW |
| 83 | ILSG20000220862 | 1/2 - 1 Mile ENE |
| 84 | ILSG20000219206 | 1/2 - 1 Mile SE |
| W85 | ILSG20000221537 | 1/2 - 1 Mile North |
| U86 | ILSG20000220381 | 1/2 - 1 Mile East |
| X87 | ILSG20000221559 | 1/2 - 1 Mile North |
| 88 | ILSG20000221558 | 1/2 - 1 Mile North |

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**STATE DATABASE WELL INFORMATION**

| MAP ID | WELL ID | LOCATION FROM TP |
|---|---|---|
| 89 | ILSG20000220725 | 1/2 - 1 Mile ENE |
| X90 | ILSG20000221637 | 1/2 - 1 Mile North |
| 91 | P19041 | 1/2 - 1 Mile ESE |
| Y92 | ILEP20000005954 | 1/2 - 1 Mile South |
| 93 | ILEP20000005955 | 1/2 - 1 Mile SSW |
| Z94 | P21915 | 1/2 - 1 Mile NNE |
| Y96 | ILSG20000218633 | 1/2 - 1 Mile South |
| Z98 | ILSG20000221655 | 1/2 - 1 Mile NNE |
| AA99 | ILSG20000221530 | 1/2 - 1 Mile NNW |
| AA100 | ILSG20000221531 | 1/2 - 1 Mile NNW |
| AA101 | P21897 | 1/2 - 1 Mile NW |
| AA102 | P21896 | 1/2 - 1 Mile NW |
| AA103 | P21899 | 1/2 - 1 Mile NW |
| AA104 | P21898 | 1/2 - 1 Mile NW |
| AA105 | P21894 | 1/2 - 1 Mile NW |
| AA106 | P21892 | 1/2 - 1 Mile NW |
| AA107 | P21893 | 1/2 - 1 Mile NW |
| AA108 | P21895 | 1/2 - 1 Mile NW |
| AA109 | P21891 | 1/2 - 1 Mile NW |
| 110 | P21901 | 1/2 - 1 Mile North |
| AB111 | ILSG20000221564 | 1/2 - 1 Mile NNE |
| AC112 | P19040 | 1/2 - 1 Mile East |
| AB113 | P21908 | 1/2 - 1 Mile NE |
| AB114 | P21910 | 1/2 - 1 Mile NE |
| AB115 | P21912 | 1/2 - 1 Mile NE |
| AB116 | P21911 | 1/2 - 1 Mile NE |
| AB117 | P21905 | 1/2 - 1 Mile NE |
| AB118 | P21907 | 1/2 - 1 Mile NE |
| AB119 | P21909 | 1/2 - 1 Mile NE |
| AB120 | P21906 | 1/2 - 1 Mile NE |
| AD121 | ILSG20000221916 | 1/2 - 1 Mile North |
| AD122 | ILSG20000221962 | 1/2 - 1 Mile North |
| AC123 | ILSG20000220644 | 1/2 - 1 Mile East |

# PHYSICAL SETTING SOURCE MAP - 3485323.2s




- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data

| | | | |
|---|---|---|---|
| SITE NAME: | Villa Park Streetscape Project | CLIENT: | V3 Companies of IL, LTD |
| ADDRESS: | 344-726 N ARDMORE AVE<br>Villa Park IL 60181 | CONTACT: | Margie Lathrop |
| | | INQUIRY #: | 3485323.2s |
| LAT/LONG: | 41.9016 / 87.9788 | DATE: | December 31, 2012 3:18 pm |

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# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**A1**
**North**
**0 - 1/8 Mile**
**Higher** | **IL WELLS** | **P19052**

| | | | |
|---|---|---|---|
| Well ID: | 180131 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | CHARLES PARKER LOT 29 (50:10:2 | | |
| Permit: | 115638 | Date Drilled: | 11/05/1984 |
| Depth (in feet): | 105 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 8G |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | LIBERG | | |

---

**A2**
**NNE**
**0 - 1/8 Mile**
**Lower** | **IL WELLS** | **ILSG20000220438**

| | | | |
|---|---|---|---|
| Pt api number: | 120430057900 | Pt status: | WATER |
| Pt longitude: | -87.978406 | | |
| Pt latitude: | 41.902148 | | |
| Api number: | 120430057900 | | |
| Longitude : | -87.978406 | | |
| Latitude : | 41.902148 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Daum Wm |
| Farm num: | 1 | Company name: | Mayer, John G. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 80 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**A3**
**NW**
**0 - 1/8 Mile**
**Lower** | **IL WELLS** | **ILSG20000220475**

| | | | |
|---|---|---|---|
| Pt api number: | 120432886400 | Pt status: | WATER |
| Pt longitude: | -87.979826 | | |
| Pt latitude: | 41.902478 | | |
| Api number: | 120432886400 | | |
| Longitude : | -87.979826 | | |
| Latitude : | 41.902478 | | |
| Section: | 4 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Major Prime Plastics |
| Farm num: | Not Reported | Company name: | Liberg, Thomas P. |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 200 |
| Wformation: | limestone | Wfmfrom: | 52 |
| Wfmto: | 200 | Pumpgpm: | 0 |

---

**B4**
**West**
**0 - 1/8 Mile**
**Lower**

**IL WELLS** **P19055**

| | | | |
|---|---|---|---|
| Well ID: | 176138 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MAJOR PRIME PLASTICS | | |
| Permit: | 016261 | Date Drilled: | 02/26/1990 |
| Depth (in feet): | 200 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 04 | Plot Location: | 1G |
| Well Use: | Commercial | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | LIBERG | | |

---

**B5**
**WSW**
**1/8 - 1/4 Mile**
**Lower**

**FRDS PWS** **IL0430800**

| | | | |
|---|---|---|---|
| Pwsid: | IL0430800 | Epa region: | 05 |
| State: | IL | County: | DuPage |
| Pws name: | VILLA PARK | | |
| Population Served: | 22517 | Pwssvcconn: | 6908 |
| PWS Source: | Purch_surface_water | | |
| Pws type: | CWS | | |
| Status: | Active | Owner type: | Public/Private |
| Facility id: | 20393 | | |
| Facility name: | WELL 10 (20685) EMERGENCY | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Contact name: | JUSKELIS, VYDAS | | |
| Original name: | JUSKELIS, VYDAS | | |
| Contact phone: | 630-834-8505 | Contact address1: | VILLAGE HALL |
| Contact address2: | 20 S. ARDMORE AVE. | | |
| Contact city: | VILLA PARK | | |
| Contact zip: | 60181 | | |
| | | | |
| Facility id: | 23590 | | |
| Facility name: | VILLA PARK | | |
| Facility type: | Distribution_system_zone | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| | | | |
| Facility id: | 26065 | | |
| Facility name: | CC 08-MASTER METER RIORDAN | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26066 | | |
| Facility name: | CC 09-MASTER METER PRINCETON | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 20392 | | |
| Facility name: | WELL 8 (20684) ABANDONED | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 20393 | | |
| Facility name: | WELL 10 (20685) EMERGENCY | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 20391 | | |
| Facility name: | WELL 7 (20683) EMERGENCY | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 20392 | | |
| Facility name: | WELL 8 (20684) ABANDONED | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 20393 | | |
| Facility name: | WELL 10 (20685) EMERGENCY | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 23590 | | |
| Facility name: | VILLA PARK | | |
| Facility type: | Distribution_system_zone | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26065 | | |
| Facility name: | CC 08-MASTER METER RIORDAN | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26066 | | |
| Facility name: | CC 09-MASTER METER PRINCETON | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26067 | | |
| Facility name: | CC 10-MASTER METER ST CHARLES | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 27249 | | |
| Facility name: | GENERIC FINISHED SAMPLING STATION | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 29671 | | |
| Facility name: | GENERIC RAW SAMPLING STATION | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 31674 | | |
| Facility name: | TAP 11 GROUND STORAGE | | |
| Facility type: | Storage | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26067 | | |
| Facility name: | CC 10-MASTER METER ST CHARLES | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 27249 | | |
| Facility name: | GENERIC FINISHED SAMPLING STATION | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 29671 | | |
| Facility name: | GENERIC RAW SAMPLING STATION | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 31674 | | |
| Facility name: | TAP 11 GROUND STORAGE | | |
| Facility type: | Storage | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 31675 | | |
| Facility name: | TP 12-PUMP STATION | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 32038 | | |
| Facility name: | TP 11-PUMP STATION | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 33757 | | |
| Facility name: | CC 13-EMERGENCY INTERCONNECT | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 34275 | | |
| Facility name: | CC 14-EMERGENCY INTERCONNECT | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 11094 | | |
| Facility name: | DISTRIBUTION ELEVATED STORAGE | | |
| Facility type: | Storage | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 12134 | | |
| Facility name: | DISTRIBUTION GROUND STORAGE | | |
| Facility type: | Storage | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 15233 | | |
| Facility name: | TP 01-WELL 1 (ABANDONED) | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 15234 | | |
| Facility name: | TP 02-WELL 2 (ABANDONED) | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 15235 | | |
| Facility name: | TP 03-WELL 3 (ABANDONED) | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 15236 | | |
| Facility name: | TP 04-WELL 4 (ABANDONED) | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 15237 | | |
| Facility name: | TP 05-WELL 7 (EMERGENCY) | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 15238 | | |
| Facility name: | TP 06-WELL 8 (ABANDONED) | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 15239 | | |
| Facility name: | TP 07-WELL 10 (INACTIVE) | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 20387 | | |
| Facility name: | WELL 1 (20679) ABANDONED | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 20388 | | |
| Facility name: | WELL 2 (20680) ABANDONED | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |
| Facility id: | 20389 | | |
| Facility name: | WELL 3 (20681) ABANDONED | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 20390 | | |
| Facility name: | WELL 4 (20682) ABANDONED | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 20391 | | |
| Facility name: | WELL 7 (20683) EMERGENCY | | |
| Facility type: | Well | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 23590 | | |
| Facility name: | VILLA PARK | | |
| Facility type: | Distribution_system_zone | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26065 | | |
| Facility name: | CC 08-MASTER METER RIORDAN | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26066 | | |
| Facility name: | CC 09-MASTER METER PRINCETON | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 26067 | | |
| Facility name: | CC 10-MASTER METER ST CHARLES | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 27249 | | |
| Facility name: | GENERIC FINISHED SAMPLING STATION | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 29671 | | |
| Facility name: | GENERIC RAW SAMPLING STATION | | |
| Facility type: | Sampling_station | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 31674 | | |
| Facility name: | TAP 11 GROUND STORAGE | | |
| Facility type: | Storage | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 31675 | | |
| Facility name: | TP 12-PUMP STATION | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 32038 | | |
| Facility name: | TP 11-PUMP STATION | | |
| Facility type: | Treatment_plant | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 33757 | | |
| Facility name: | CC 13-EMERGENCY INTERCONNECT | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 34275 | | |
| Facility name: | CC 14-EMERGENCY INTERCONNECT | | |
| Facility type: | Consecutive_connection | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| Facility id: | 11094 | | |
| Facility name: | DISTRIBUTION ELEVATED STORAGE | | |
| Facility type: | Storage | Treatment process: | gaseous chlorination, pre |
| Treatment objective: | disinfection | | |

| | | | |
|---|---|---|---|
| PWS ID: | IL0430800 | | |
| Date Initiated: | Not Reported | Date Deactivated: | Not Reported |
| PWS Name: | VILLA PARK<br>VILLA PARK, IL 60181 | | |

| | | | |
|---|---|---|---|
| Addressee / Facility: | Not Reported | | |
| Facility Latitude: | 41 53 13.0000 | Facility Longitude: | 87 58 51.0000 |
| Facility Latitude: | 41 52 0.0000 | Facility Longitude: | 87 58 39.0000 |
| Facility Latitude: | 41 54 4.0000 | Facility Longitude: | 87 58 52.0000 |
| City Served: | VILLA PARK | | |
| Treatment Class: | Mixed (treated and untreated) | Population: | 22253 |

Violations information not reported.

---

**C6**
**NNE** **IL WELLS** **ILSG20000220572**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432851700 | Pt status: | WATER |
| Pt longitude: | -87.977665 | | |
| Pt latitude: | 41.903264 | | |
| Api number: | 120432851700 | | |
| Longitude : | -87.977665 | | |
| Latitude : | 41.903264 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Parker, Charles |
| Farm num: | Not Reported | Company name: | John E. Liberg |
| Status: | Water Well | Elevation: | 790 |
| Elevref: | Ground level | Total depth: | 105 |
| Wformation: | limestone | Wfmfrom: | 66 |
| Wfmto: | 105 | Pumpgpm: | 10 |

---

**D7**
**SW** **IL WELLS** **ILEP20000005993**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well id: | 20683 | | |
| X coord: | -87.9807 | | |
| Y coord: | 41.90014 | | |
| Fac name: | Not Reported | Facility n: | Not Reported |
| Addr one t: | Not Reported | | |
| Addr two t: | Not Reported | | |
| City name: | Not Reported | State code: | Not Reported |
| Zip code: | Not Reported | Fips cd: | Not Reported |
| Prn cnty: | Not Reported | Status cd: | Not Reported |
| Fed type c: | Not Reported | B name: | Not Reported |
| Pop cnt: | 0 | | |
| Lat dec de: | 0 | | |
| Long dec d: | 0 | | |
| Meridian: | Not Reported | Township: | Not Reported |
| Range: | Not Reported | Section: | Not Reported |
| Updt ts: | 12/30/1899 | W cws num: | 0430800 |
| W cws name: | VILLA PARK | W status: | A |
| W suscept: | C1 | W policy: | C |
| W min setb: | 200 | | |
| W d depth: | 1420 | | |
| W aquifer: | 6393 | | |
| Amb well: | 0 | | |
| Pws status: | A | Sdwis well: | WL20683 |
| Sys number: | IL0430800 | Api: | 120430006500 |

---

**D8**
**SW**
**1/8 - 1/4 Mile**
**Lower**

**IL WELLS** **P19054**

| | | | |
|---|---|---|---|
| Well ID: | 233545 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MAJOR PRIME PLASTICS | | |
| Permit: | 016261 | Date Drilled: | 02/26/1990 |
| Depth (in feet): | 200 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 04 | Plot Location: | 1F |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | LIBERG | | |

---

**D9**
**SW**
**1/8 - 1/4 Mile**
**Lower**

**IL WELLS** **ILSG20000220123**

| | | | |
|---|---|---|---|
| Pt api number: | 120430006500 | Pt status: | WATER |
| Pt longitude: | -87.98074 | | |
| Pt latitude: | 41.899755 | | |
| Api number: | 120430006500 | | |
| Longitude : | -87.98074 | | |
| Latitude : | 41.899755 | | |
| Section: | 4 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Villa Park |
| Farm num: | 7 | Company name: | Layne Western Co., Inc. |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 704 |
| Elevref: | Ground level | Total depth: | 1420 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**C10**
**NNE** **IL WELLS** **ILSG20000220664**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432521300 | Pt status: | WATER |
| Pt longitude: | -87.978005 | | |
| Pt latitude: | 41.904084 | | |
| Api number: | 120432521300 | | |
| Longitude : | -87.978005 | | |
| Latitude : | 41.904084 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Villa Park City #10 |
| Farm num: | 1-77 | Company name: | Miller, J. P. Art. Well |
| Status: | Water Well | Elevation: | 685 |
| Elevref: | Ground level | Total depth: | 210 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**C11**
**NE** **IL WELLS** **P19051**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180509 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | RODGER BEAURLINE #1LT4(26:15:- | | |
| Permit: | Not Reported | Date Drilled: | 00/00/1959 |
| Depth (in feet): | 82 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 7H |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | MAYER | | |

---

**C12**
**NE** **IL WELLS** **P19050**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180130 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | RICHARD CYR LOT 37 (40:10:2) | | |
| Permit: | 116048 | Date Drilled: | 12/04/1984 |
| Depth (in feet): | 115 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 7H |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | LIBERG | | |

---

**E13**
**NNE** **IL WELLS** **ILSG20000220704**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120433101800 | Pt status: | WATER |
| Pt longitude: | -87.977331 | | |
| Pt latitude: | 41.904492 | | |
| Api number: | 120433101800 | | |
| Longitude : | -87.977331 | | |
| Latitude : | 41.904492 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Brer Rabbit |
| Farm num: | Not Reported | Company name: | Not Reported |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 0 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**F14**
**East** **IL WELLS** **P19048**
**1/8 - 1/4 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180128 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | D TOMLINSON (50:10:2) | | |
| Permit: | 054917 | Date Drilled: | 12/09/1976 |
| Depth (in feet): | 116 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 6G |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | LIBERG | | |

---

**F15**
**East** **IL WELLS** **ILSG20000220354**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432673400 | Pt status: | WATER |
| Pt longitude: | -87.973784 | | |
| Pt latitude: | 41.901616 | | |
| Api number: | 120432673400 | | |
| Longitude : | -87.973784 | | |
| Latitude : | 41.901616 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Widerski, Mieczyslow |
| Farm num: | Not Reported | Company name: | Senffner, Alan James |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 115 |
| Wformation: | limestone | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 10 |

---

**E16**
**NNE** **IL WELLS** **ILEP20000006015**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well id: | 04301040 | | |
| X coord: | 3412902.5 | | |
| Y coord: | 3232749.5 | | |
| Fac name: | BRER RABBITT MOTEL | Facility n: | IL3040410 |
| Addr one t: | 17W723 NORTH AVENUE | | |
| Addr two t: | Not Reported | | |
| City name: | VILLA PARK | State code: | IL |
| Zip code: | 60181 | Fips cd: | 43 |
| Prn cnty: | DuPage | Status cd: | A |
| Fed type c: | NC | B name: | HOTEL/MOTEL |
| Pop cnt: | 25 | | |
| Lat dec de: | 41.905 | | |
| Long dec d: | -87.97667 | | |
| Meridian: | 3 | Township: | 39N |
| Range: | 11E | Section: | 3 |
| Updt ts: | 09/21/2006 | W cws num: | Not Reported |
| W cws name: | Not Reported | W status: | Not Reported |
| W suscept: | Not Reported | W policy: | Not Reported |
| W min setb: | 0 | | |
| W d depth: | 0 | | |
| W aquifer: | Not Reported | | |
| Amb well: | 0 | | |
| Pws status: | Not Reported | Sdwis well: | Not Reported |
| Sys number: | Not Reported | Api: | Not Reported |

---

**G17**
**ENE** **IL WELLS** **ILSG20000220637**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432851600 | Pt status: | WATER |
| Pt longitude: | -87.974511 | | |
| Pt latitude: | 41.90374 | | |
| Api number: | 120432851600 | | |
| Longitude : | -87.974511 | | |
| Latitude : | 41.90374 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Cyr, Richard |
| Farm num: | Not Reported | Company name: | Liberg, Patrick A. |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 685 |
| Elevref: | Ground level | Total depth: | 115 |
| Wformation: | limestone | Wfmfrom: | 49 |
| Wfmto: | 115 | Pumpgpm: | 10 |

---

**G18**
**ENE** **IL WELLS** **P19049**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180126 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | HANS MEYER (40:10:2) | | |
| Permit: | 038727 | Date Drilled: | 06/19/1975 |
| Depth (in feet): | 120 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 6H |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | LIBERG | | |

---

**G19**
**ENE** **IL WELLS** **ILSG20000220642**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430044100 | Pt status: | WATER |
| Pt longitude: | -87.974048 | | |
| Pt latitude: | 41.903816 | | |
| Api number: | 120430044100 | | |
| Longitude : | -87.974048 | | |
| Latitude : | 41.903816 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Zwicky Emil |
| Farm num: | 1 | Company name: | Mayer, John G. |
| Status: | Water Well | Elevation: | 673 |
| Elevref: | Ground level | Total depth: | 90 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**H20**
**ENE** **IL WELLS** **ILSG20000220485**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432486900 | Pt status: | WATER |
| Pt longitude: | -87.972536 | | |
| Pt latitude: | 41.902623 | | |
| Api number: | 120432486900 | | |
| Longitude : | -87.972536 | | |
| Latitude : | 41.902623 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Tomlinson D |
| Farm num: | Not Reported | Company name: | Liberg, Patrick A. |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 116 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**H21**
**ENE** **IL WELLS** **ILSG20000220486**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432997200 | Pt status: | WATER |
| Pt longitude: | -87.972536 | | |
| Pt latitude: | 41.902623 | | |
| Api number: | 120432997200 | | |
| Longitude : | -87.972536 | | |
| Latitude : | 41.902623 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | United Home Builders, Inc. |
| Farm num: | Not Reported | Company name: | Wellendorf, Rodney |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 140 |
| Wformation: | limestone | Wfmfrom: | 43 |
| Wfmto: | 140 | Pumpgpm: | 0 |

---

**H22**
**East** **IL WELLS** **P19047**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180129 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | SIMONE KUEHN (64:15:20) | | |
| Permit: | 057128 | Date Drilled: | 03/15/1977 |
| Depth (in feet): | 130 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 5G |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | SUBURBAN WELL | | |

---

**H23**
**East** **IL WELLS** **P19046**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180125 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MR H SINGH (65:15:24) | | |
| Permit: | 021233 | Date Drilled: | 03/20/1973 |
| Depth (in feet): | 95 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 5G |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | FISCHER | | |

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**I24**
**NE**
**1/4 - 1/2 Mile**
**Lower**

**IL WELLS** **ILSG20000220765**

| | | | |
|---|---|---|---|
| Pt api number: | 120430034800 | Pt status: | WATER |
| Pt longitude: | -87.973908 | | |
| Pt latitude: | 41.905127 | | |
| Api number: | 120430034800 | | |
| Longitude : | -87.973908 | | |
| Latitude : | 41.905127 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Beaurlinge Rodger |
| Farm num: | Not Reported | Company name: | Mayer, John G. |
| Status: | Water Well | Elevation: | 683 |
| Elevref: | Ground level | Total depth: | 82 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**25**
**ESE**
**1/4 - 1/2 Mile**
**Lower**

**IL WELLS** **P19045**

| | | | |
|---|---|---|---|
| Well ID: | 180508 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | JARED PORTER (65:10:2) | | |
| Permit: | 008745 | Date Drilled: | 11/29/1969 |
| Depth (in feet): | 155 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 5F |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | LIBERG | | |

---

**I26**
**NE**
**1/4 - 1/2 Mile**
**Lower**

**IL WELLS** **P21913**

| | | | |
|---|---|---|---|
| Well ID: | 232859 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | SHOE STORE | | |
| Permit: | Not Reported | Date Drilled: | 05/00/1959 |
| Depth (in feet): | 114 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | 6A |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | BODDEKER | | |

---

**I27**
**NE** **IL WELLS** **P21914**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 232860 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | ROB'T HALL CLOTHING CO | | |
| Permit: | Not Reported | Date Drilled: | 09/00/1938 |
| Depth (in feet): | 114 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | 6A |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Construction Report,Geology,Any other type of record | | |
| Driller: | BODDEKER | | |

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**I28**
**NE** **IL WELLS** **ILSG20000220745**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432419900 | Pt status: | WATER |
| Pt longitude: | -87.972828 | | |
| Pt latitude: | 41.904929 | | |
| Api number: | 120432419900 | | |
| Longitude : | -87.972828 | | |
| Latitude : | 41.904929 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Meyer Hans |
| Farm num: | Not Reported | Company name: | Liberg, John E. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 120 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**29**
**NW** **IL WELLS** **P21902**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 217515 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | TOM PRESTON JR | | |
| Permit: | 018232 | Date Drilled: | 06/07/1990 |
| Depth (in feet): | 140 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | 2B |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | EDWARD SISSON | | |

---

**30**
**NE** **IL WELLS** **ILSG20000220938**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430086600 | Pt status: | WATER |
| Pt longitude: | -87.973842 | | |
| Pt latitude: | 41.906744 | | |
| Api number: | 120430086600 | | |
| Longitude : | -87.973842 | | |
| Latitude : | 41.906744 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Dage James |
| Farm num: | Not Reported | Company name: | Zanker, Joseph I. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 100 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**J31**
**ENE** **IL WELLS** **ILSG20000220556**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432497500 | Pt status: | WATER |
| Pt longitude: | -87.970478 | | |
| Pt latitude: | 41.903096 | | |
| Api number: | 120432497500 | | |
| Longitude : | -87.970478 | | |
| Latitude : | 41.903096 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Kuehn S |
| Farm num: | Not Reported | Company name: | Fischer James |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 130 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**K32**
**North** **IL WELLS** **ILSG20000221100**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432847300 | Pt status: | WATER |
| Pt longitude: | -87.977288 | | |
| Pt latitude: | 41.908223 | | |
| Api number: | 120432847300 | | |
| Longitude : | -87.977288 | | |
| Latitude : | 41.908223 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | St. James Development |
| Farm num: | 1 | Company name: | Fykes, Charles N. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 125 |
| Wformation: | limestone | Wfmfrom: | 66 |
| Wfmto: | 125 | Pumpgpm: | 0 |

---

**J33**
**ENE** **IL WELLS** **ILSG20000220584**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430319300 | Pt status: | WATER |
| Pt longitude: | -87.970081 | | |
| Pt latitude: | 41.903378 | | |
| Api number: | 120430319300 | | |
| Longitude : | -87.970081 | | |
| Latitude : | 41.903378 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Singh H |
| Farm num: | 1 | Company name: | Fischer James |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 95 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**34**
**NNE** **IL WELLS** **ILSG20000221061**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430063300 | Pt status: | WATER |
| Pt longitude: | -87.975541 | | |
| Pt latitude: | 41.907989 | | |
| Api number: | 120430063300 | | |
| Longitude : | -87.975541 | | |
| Latitude : | 41.907989 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Wood Harry |
| Farm num: | Not Reported | Company name: | Perrine William |
| Status: | Water Well | Elevation: | 682 |
| Elevref: | Ground level | Total depth: | 100 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**35**
**East**
**1/4 - 1/2 Mile**
**Lower**

**IL WELLS** **ILSG20000220253**

| | | | |
|---|---|---|---|
| Pt api number: | 120430128800 | Pt status: | WATER |
| Pt longitude: | -87.969536 | | |
| Pt latitude: | 41.900849 | | |
| Api number: | 120430128800 | | |
| Longitude : | -87.969536 | | |
| Latitude : | 41.900849 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Porter Jared |
| Farm num: | Not Reported | Company name: | Liberg, Patrick A. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 155 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**36**
**NW**
**1/4 - 1/2 Mile**
**Lower**

**IL WELLS** **P21903**

| | | | |
|---|---|---|---|
| Well ID: | 251745 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | C. A. KING #93-096 | | |
| Permit: | H930317 | Date Drilled: | 12/21/1993 |
| Depth (in feet): | 160 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | 3B |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | MEADOW EQUIP./KERRY | | |

---

**K37**
**NNE**
**1/4 - 1/2 Mile**
**Lower**

**IL WELLS** **ILSG20000221111**

| | | | |
|---|---|---|---|
| Pt api number: | 120432856800 | Pt status: | WATER |
| Pt longitude: | -87.976217 | | |
| Pt latitude: | 41.908306 | | |
| Api number: | 120432856800 | | |
| Longitude : | -87.976217 | | |
| Latitude : | 41.908306 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Hudson, William |
| Farm num: | Not Reported | Company name: | Knierim, Phil |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 100 |
| Wformation: | rock | Wfmfrom: | 66 |
| Wfmto: | 100 | Pumpgpm: | 20 |

---

**38**
**NNW** **IL WELLS** **ILSG20000221088**
**1/4 - 1/2 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432900900 | Pt status: | WATER |
| Pt longitude: | -87.982161 | | |
| Pt latitude: | 41.908116 | | |
| Api number: | 120432900900 | | |
| Longitude : | -87.982161 | | |
| Latitude : | 41.908116 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Preston, Tom Jr. |
| Farm num: | Not Reported | Company name: | Sisson, Edward |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 140 |
| Wformation: | limestone | Wfmfrom: | 65 |
| Wfmto: | 140 | Pumpgpm: | 0 |

---

**L39**
**NNW** **IL WELLS** **ILSG20000221211**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432430800 | Pt status: | WATER |
| Pt longitude: | -87.980974 | | |
| Pt latitude: | 41.909057 | | |
| Api number: | 120432430800 | | |
| Longitude : | -87.980974 | | |
| Latitude : | 41.909057 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Rubel Chas |
| Farm num: | Not Reported | Company name: | Dupage Pump |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 115 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**M40**
**NW** **IL WELLS** **ILSG20000221079**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432940000 | Pt status: | WATER |
| Pt longitude: | -87.984605 | | |
| Pt latitude: | 41.908061 | | |
| Api number: | 120432940000 | | |
| Longitude : | -87.984605 | | |
| Latitude : | 41.908061 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | King, C.A. |
| Farm num: | Not Reported | Company name: | Charles M. Kerry |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 160 |
| Wformation: | limestone | Wfmfrom: | 106 |
| Wfmto: | 160 | Pumpgpm: | 0 |

---

**N41**
**ENE** **IL WELLS** **ILSG20000220719**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432561500 | Pt status: | WATER |
| Pt longitude: | -87.968649 | | |
| Pt latitude: | 41.904678 | | |
| Api number: | 120432561500 | | |
| Longitude : | -87.968649 | | |
| Latitude : | 41.904678 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Tragalis Bill |
| Farm num: | 1 | Company name: | Shaver Drill Co |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 125 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**42**
**NW** **IL WELLS** **P21904**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | 251746 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | KLAUS FIGGE #1 | | |
| Permit: | H-930271 | Date Drilled: | 10/24/1993 |
| Depth (in feet): | 98 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | 4B |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | FISCHER'S | | |

---

**L43**
**NNW** **IL WELLS** **P21900**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 232582 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | OLIVERT | | |
| Permit: | 12143 | Date Drilled: | 05/05/1971 |
| Depth (in feet): | 135 | Aquifer Type: | Unconsolidated |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | 1D |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | LIBERG | | |

---

**44**
**WSW** **IL WELLS** **P19053**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Well ID: | 180132 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | WALTER SCOTT LOT 15 (ABANDONED | | |
| Permit: | Not Reported | Date Drilled: | 03/12/1980 |
| Depth (in feet): | 72 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 04 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit,Indicates comment in owner's field something unusual | | |
| Driller: | MEADOW EQUIPMENT | | |

---

**45**
**North** **IL WELLS** **ILSG20000221301**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432900800 | Pt status: | WATER |
| Pt longitude: | -87.979787 | | |
| Pt latitude: | 41.909999 | | |
| Api number: | 120432900800 | | |
| Longitude : | -87.979787 | | |
| Latitude : | 41.909999 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Burger, Dan |
| Farm num: | Not Reported | Company name: | Liberg, Thomas P. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 140 |
| Wformation: | limestone | Wfmfrom: | 72 |
| Wfmto: | 140 | Pumpgpm: | 0 |

---

**O46**
**ESE** **IL WELLS** **P19027**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180114 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | RICHARD CYR | | |
| Permit: | Not Reported | Date Drilled: | 12/05/1984 |
| Depth (in feet): | 83 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | MEADOW EQUIPMENT | | |

---

**O47**
**ESE** **IL WELLS** **P19032**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180119 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | JOHN ANDRE | | |
| Permit: | Not Reported | Date Drilled: | 01/10/1990 |
| Depth (in feet): | 125 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | SHAVER | | |

---

**O48**
**ESE** **IL WELLS** **P19031**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180118 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | SCHABERGER BROS | | |
| Permit: | Not Reported | Date Drilled: | 10/01/1989 |
| Depth (in feet): | 70 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | BRICKEY | | |

---

**O49**
**ESE** **IL WELLS** **P19028**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180115 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | STEPHAN MACK | | |
| Permit: | Not Reported | Date Drilled: | 10/18/1985 |
| Depth (in feet): | 105 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | FISCHER | | |

---

**O50**
**ESE** **IL WELLS** **P19029**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180116 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | FOREST PRESERVE DIST | | |
| Permit: | Not Reported | Date Drilled: | 04/04/1989 |
| Depth (in feet): | 118 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Conservation | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | Not Reported | | |

---

**O51**
**ESE** **IL WELLS** **P19030**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180117 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | J F HAULING CO | | |
| Permit: | Not Reported | Date Drilled: | 11/28/1989 |
| Depth (in feet): | 120 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Commercial | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | MEADOW EQUIPMENT | | |

---

**O52**
**ESE** **IL WELLS** **P19038**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180637 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MRS WM DAUM #1 LT 55 (-:15:-) | | |
| Permit: | Not Reported | Date Drilled: | 00/00/0000 |
| Depth (in feet): | 80 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | MAYER | | |

---

**O53**
**ESE** **IL WELLS** **P19035**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180123 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MIECZYSLOW WIDERSKI (60:10:2) | | |
| Permit: | 109936 | Date Drilled: | 05/02/1984 |
| Depth (in feet): | 115 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | DUPAGE PUMP | | |

---

**O54**
**ESE** **IL WELLS** **P19036**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180511 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | ELMER EILRICH | | |
| Permit: | Not Reported | Date Drilled: | 07/00/1958 |
| Depth (in feet): | 60 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | CITIES SERVICE OIL | | |

---

**O55**
**ESE** **IL WELLS** **P19033**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180121 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | CARL GLIMES | | |
| Permit: | Not Reported | Date Drilled: | 00/00/1955 |
| Depth (in feet): | 70 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | SHAVER | | |

---

**O56**
**ESE** **IL WELLS** **P19039**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 195699 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | SCHABERGER BROS INC | | |
| Permit: | X0 | Date Drilled: | 00/00/1989 |
| Depth (in feet): | 70 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | BRICKEY | | |

---

**O57**
**ESE** **IL WELLS** **P19037**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180636 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | CARL KOEHN | | |
| Permit: | Not Reported | Date Drilled: | 09/00/1941 |
| Depth (in feet): | 98 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | MILLER | | |

---

**O58**
**ESE** **IL WELLS** **P19034**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180122 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | CITIER SERVICE GAS STATION | | |
| Permit: | Not Reported | Date Drilled: | 07/00/1959 |
| Depth (in feet): | 60 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | Not Reported |
| Well Use: | Commercial | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | EILRICH | | |

---

**59**
**SSW** **IL WELLS** **ILSG20000219384**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430125500 | Pt status: | WATER |
| Pt longitude: | -87.984624 | | |
| Pt latitude: | 41.894299 | | |
| Api number: | 120430125500 | | |
| Longitude : | -87.984624 | | |
| Latitude : | 41.894299 | | |
| Section: | 4 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Villa Park |
| Farm num: | 9 | Company name: | Layne Western Co., Inc. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 190 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**P60**
**NNE** **IL WELLS** **ILSG20000221222**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432696300 | Pt status: | WATER |
| Pt longitude: | -87.973694 | | |
| Pt latitude: | 41.909214 | | |
| Api number: | 120432696300 | | |
| Longitude : | -87.973694 | | |
| Latitude : | 41.909214 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Beard, James |
| Farm num: | Not Reported | Company name: | Senffner, Alan James |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 140 |
| Wformation: | limestone | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 10 |

---

**P61**
**NNE** **IL WELLS** **ILSG20000221223**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432696500 | Pt status: | WATER |
| Pt longitude: | -87.973694 | | |
| Pt latitude: | 41.909214 | | |
| Api number: | 120432696500 | | |
| Longitude : | -87.973694 | | |
| Latitude : | 41.909214 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Giangrasso, Salvatore |
| Farm num: | Not Reported | Company name: | Wellendorf, Rodney |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 115 |
| Wformation: | limestone | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 10 |

---

**62**
**North** **IL WELLS** **ILSG20000221303**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432994300 | Pt status: | WATER |
| Pt longitude: | -87.977354 | | |
| Pt latitude: | 41.910054 | | |
| Api number: | 120432994300 | | |
| Longitude : | -87.977354 | | |
| Latitude : | 41.910054 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Potilechio, Louis #1 |
| Farm num: | Not Reported | Company name: | Fischer, James Monroe |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 90 |
| Wformation: | limestone | Wfmfrom: | 75 |
| Wfmto: | 90 | Pumpgpm: | 0 |

---

**M63**
**NNW** **IL WELLS** **ILSG20000221189**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Pt api number: | 120432857500 | Pt status: | WATER |
| Pt longitude: | -87.984939 | | |
| Pt latitude: | 41.908831 | | |
| Api number: | 120432857500 | | |
| Longitude : | -87.984939 | | |
| Latitude : | 41.908831 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Fairbanks, Marile |
| Farm num: | Not Reported | Company name: | Sisson, Edward |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 155 |
| Wformation: | limestone | Wfmfrom: | 103 |
| Wfmto: | 155 | Pumpgpm: | 10 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**Q64**
**ENE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P19044**

| | | | |
|---|---|---|---|
| Well ID: | 180127 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | V & Z TRUHLAR (55:10:2) | | |
| Permit: | 040028 | Date Drilled: | 08/01/1975 |
| Depth (in feet): | 120 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 4H |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | SISSON | | |

---

**Q65**
**ENE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P19043**

| | | | |
|---|---|---|---|
| Well ID: | 180124 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | BILL TRAGALIS (50:20:3) | | |
| Permit: | 041589 | Date Drilled: | 10/15/1975 |
| Depth (in feet): | 125 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 4H |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | SHAVER | | |

---

**R66**
**NNW**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221293**

| | | | |
|---|---|---|---|
| Pt api number: | 120432968400 | Pt status: | WATER |
| Pt longitude: | -87.982231 | | |
| Pt latitude: | 41.909947 | | |
| Api number: | 120432968400 | | |
| Longitude : | -87.982231 | | |
| Latitude : | 41.909947 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Thompson, John & Sue |
| Farm num: | Not Reported | Company name: | Liberg, Steven Scott |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 120 |
| Wformation: | limestone | Wfmfrom: | 72 |
| Wfmto: | 120 | Pumpgpm: | 0 |

---

**R67**
**NNW** **IL WELLS** **ILSG20000221294**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432990800 | Pt status: | WATER |
| Pt longitude: | -87.982231 | | |
| Pt latitude: | 41.909947 | | |
| Api number: | 120432990800 | | |
| Longitude : | -87.982231 | | |
| Latitude : | 41.909947 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Tucker, Kenneth |
| Farm num: | Not Reported | Company name: | Kerry, Charles |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 80 |
| Wformation: | limestone | Wfmfrom: | 72 |
| Wfmto: | 80 | Pumpgpm: | 0 |

---

**S68**
**NW** **IL WELLS** **ILSG20000221066**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Pt api number: | 120432939900 | Pt status: | WATER |
| Pt longitude: | -87.987046 | | |
| Pt latitude: | 41.908006 | | |
| Api number: | 120432939900 | | |
| Longitude : | -87.987046 | | |
| Latitude : | 41.908006 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Figge, Klaus |
| Farm num: | 1 | Company name: | Fischer, James Monroe |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 98 |
| Wformation: | limestone | Wfmfrom: | 93 |
| Wfmto: | 98 | Pumpgpm: | 0 |

---

**N69**
**ENE** **IL WELLS** **ILSG20000220750**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432439800 | Pt status: | WATER |
| Pt longitude: | -87.967716 | | |
| Pt latitude: | 41.904999 | | |
| Api number: | 120432439800 | | |
| Longitude : | -87.967716 | | |
| Latitude : | 41.904999 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Truttlar V & Z |
| Farm num: | Not Reported | Company name: | Sission, Edward H. |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 120 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**T70**
**NNE** **IL WELLS** **ILSG20000221307**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432965500 | Pt status: | WATER |
| Pt longitude: | -87.974933 | | |
| Pt latitude: | 41.910104 | | |
| Api number: | 120432965500 | | |
| Longitude : | -87.974933 | | |
| Latitude : | 41.910104 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Dautsun, Kermit #1 |
| Farm num: | Not Reported | Company name: | Fischer, James Monroe |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 110 |
| Wformation: | limestone | Wfmfrom: | 84 |
| Wfmto: | 110 | Pumpgpm: | 0 |

---

**T71**
**NNE** **IL WELLS** **ILSG20000221308**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432994400 | Pt status: | WATER |
| Pt longitude: | -87.974933 | | |
| Pt latitude: | 41.910104 | | |
| Api number: | 120432994400 | | |
| Longitude : | -87.974933 | | |
| Latitude : | 41.910104 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Simmons, Clara #1 |
| Farm num: | Not Reported | Company name: | Fischer, James Monroe |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 85 |
| Wformation: | limestone | Wfmfrom: | 78 |
| Wfmto: | 85 | Pumpgpm: | 0 |

---

**72**
**WSW** **FED USGS** **USGS2351579**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Agency cd: | USGS | Site no: | 415359087592601 |
| Site name: | 39N11E- 4.1e1 | | |
| Latitude: | 415359 | EDR Site id: | USGS2351579 |
| Longitude: | 0875926 | Dec lat: | 41.89975179 |
| Dec lon: | -87.99062129 | Coor meth: | M |
| Coor accr: | F | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 17 |
| State: | 17 | County: | 043 |
| Country: | US | Land net: | NESENES 4 T 39N R 11E 3 |
| Location map: | ELMHURST | Map scale: | 24000 |
| Altitude: | 712.00 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 2.5 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Des Plaines. Illinois, Wisconsin. Area = 1440 sq.mi. | | |
| Topographic: | Undulating | | |
| Site type: | Ground-water other than Spring | Date construction: | 195608 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | CST |
| Local standard time flag: | N | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | Not Reported | | |
| Well depth: | 1420 | Hole depth: | 1420 |
| Source of depth data: | Not Reported | | |
| Project number: | 441706600 | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 1958-04-00 |
| Water quality data end date: | 1987-11-19 | Water quality data count: | 8 |
| Ground water data begin date: | 1956-10-26 | Ground water data end date: | 1956-10-26 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1956-10-26 | 476.00 | |

---

**73**
**NW**
**1/2 - 1 Mile**
**Higher**

**IL WELLS** **ILSG20000221210**

| | | | |
|---|---|---|---|
| Pt api number: | 120432583300 | Pt status: | WATER |
| Pt longitude: | -87.986082 | | |
| Pt latitude: | 41.909027 | | |
| Api number: | 120432583300 | | |
| Longitude : | -87.986082 | | |
| Latitude : | 41.909027 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Graunke Wade |
| Farm num: | Not Reported | Company name: | Liberg Patrick S |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 140 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**74**
**NNW** **IL WELLS** **ILSG20000221280**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432833000 | Pt status: | WATER |
| Pt longitude: | -87.984671 | | |
| Pt latitude: | 41.909892 | | |
| Api number: | 120432833000 | | |
| Longitude : | -87.984671 | | |
| Latitude : | 41.909892 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Burger, Don & Dave |
| Farm num: | Not Reported | Company name: | Liberg, Paul Evan |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 135 |
| Wformation: | limestone | Wfmfrom: | 68 |
| Wfmto: | 135 | Pumpgpm: | 0 |

---

**S75**
**NW** **IL WELLS** **ILSG20000221125**
**1/2 - 1 Mile**
**Higher**

| | | | |
|---|---|---|---|
| Pt api number: | 120433199300 | Pt status: | WATER |
| Pt longitude: | -87.987867 | | |
| Pt latitude: | 41.908389 | | |
| Api number: | 120433199300 | | |
| Longitude : | -87.987867 | | |
| Latitude : | 41.908389 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Fiorenzo, Oscar |
| Farm num: | 1 | Company name: | Liberg, Steven Scott |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 98 |
| Wformation: | limestone | Wfmfrom: | 93 |
| Wfmto: | 98 | Pumpgpm: | 30 |

---

**U76**
**East** **IL WELLS** **P19042**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180510 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MRS. EMIL ZWIEKY LT 2 (20:20:- | | |
| Permit: | AT245 | Date Drilled: | 00/00/1959 |
| Depth (in feet): | 90 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 3G |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | MAYER | | |

---

**V77**
**NW**
**1/2 - 1 Mile**
**Higher**

**IL WELLS** **ILSG20000221056**

| | | | |
|---|---|---|---|
| Pt api number: | 120430246600 | Pt status: | WATER |
| Pt longitude: | -87.989489 | | |
| Pt latitude: | 41.907953 | | |
| Api number: | 120430246600 | | |
| Longitude : | -87.989489 | | |
| Latitude : | 41.907953 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | McCullough Gary |
| Farm num: | Not Reported | Company name: | Liberg, Patrick A. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 122 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**V78**
**NW**
**1/2 - 1 Mile**
**Higher**

**IL WELLS** **ILSG20000221057**

| | | | |
|---|---|---|---|
| Pt api number: | 120432990900 | Pt status: | WATER |
| Pt longitude: | -87.989489 | | |
| Pt latitude: | 41.907953 | | |
| Api number: | 120432990900 | | |
| Longitude : | -87.989489 | | |
| Latitude : | 41.907953 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Wohead, J.W. |
| Farm num: | Not Reported | Company name: | Senffner, Alan James |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 120 |
| Wformation: | limestone | Wfmfrom: | 91 |
| Wfmto: | 0 | Pumpgpm: | 0 |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**W79**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221458**

| | | | |
|---|---|---|---|
| Pt api number: | 120432833100 | Pt status: | WATER |
| Pt longitude: | -87.979857 | | |
| Pt latitude: | 41.91183 | | |
| Api number: | 120432833100 | | |
| Longitude : | -87.979857 | | |
| Latitude : | 41.91183 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Carlson Plumbing |
| Farm num: | Not Reported | Company name: | Liberg, Paul Evan |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 160 |
| Wformation: | limestone | Wfmfrom: | 62 |
| Wfmto: | 160 | Pumpgpm: | 10 |

---

**W80**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221459**

| | | | |
|---|---|---|---|
| Pt api number: | 120432982600 | Pt status: | WATER |
| Pt longitude: | -87.979857 | | |
| Pt latitude: | 41.91183 | | |
| Api number: | 120432982600 | | |
| Longitude : | -87.979857 | | |
| Latitude : | 41.91183 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Uhle, Michael |
| Farm num: | Not Reported | Company name: | Wellendorf, Rodney |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 160 |
| Wformation: | limestone | Wfmfrom: | 65 |
| Wfmto: | 160 | Pumpgpm: | 0 |

---

**W81**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221480**

| | | | |
|---|---|---|---|
| Pt api number: | 120432696100 | Pt status: | WATER |
| Pt longitude: | -87.979453 | | |
| Pt latitude: | 41.912065 | | |
| Api number: | 120432696100 | | |
| Longitude : | -87.979453 | | |
| Latitude : | 41.912065 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Plos, Mary |
| Farm num: | Not Reported | Company name: | Sisson, Edward |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 118 |
| Wformation: | limestone | Wfmfrom: | 78 |
| Wfmto: | 118 | Pumpgpm: | 0 |

---

**82**
**NNW** **IL WELLS** **ILSG20000221450**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120433015900 | Pt status: | WATER |
| Pt longitude: | -87.982297 | | |
| Pt latitude: | 41.911775 | | |
| Api number: | 120433015900 | | |
| Longitude : | -87.982297 | | |
| Latitude : | 41.911775 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Rankin, John |
| Farm num: | Not Reported | Company name: | Kerry, Charles M. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 120 |
| Wformation: | limestone | Wfmfrom: | 64 |
| Wfmto: | 120 | Pumpgpm: | 15 |

---

**83**
**ENE** **IL WELLS** **ILSG20000220862**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430009600 | Pt status: | WATER |
| Pt longitude: | -87.965925 | | |
| Pt latitude: | 41.906041 | | |
| Api number: | 120430009600 | | |
| Longitude : | -87.965925 | | |
| Latitude : | 41.906041 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Robert Hall Clothing |
| Farm num: | Not Reported | Company name: | Boddeker, Paul |
| Status: | Water Well | Elevation: | 675 |
| Elevref: | Ground level | Total depth: | 115 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**84**
**SE** **IL WELLS** **ILSG20000219206**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430186100 | Pt status: | WATER |
| Pt longitude: | -87.970398 | | |
| Pt latitude: | 41.892869 | | |
| Api number: | 120430186100 | | |
| Longitude : | -87.970398 | | |
| Latitude : | 41.892869 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Koehn Carl |
| Farm num: | Not Reported | Company name: | Miller Harry H |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 677 |
| Elevref: | Ground level | Total depth: | 98 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**W85**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221537**

| | | | |
|---|---|---|---|
| Pt api number: | 120430207600 | Pt status: | WATER |
| Pt longitude: | -87.97963 | | |
| Pt latitude: | 41.912585 | | |
| Api number: | 120430207600 | | |
| Longitude : | -87.97963 | | |
| Latitude : | 41.912585 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Oliveri |
| Farm num: | Not Reported | Company name: | Liberg, Patrick A. |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 135 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**U86**
**East**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000220381**

| | | | |
|---|---|---|---|
| Pt api number: | 120432673300 | Pt status: | WATER |
| Pt longitude: | -87.964054 | | |
| Pt latitude: | 41.901822 | | |
| Api number: | 120432673300 | | |
| Longitude : | -87.964054 | | |
| Latitude : | 41.901822 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Nutt, Steve |
| Farm num: | Not Reported | Company name: | Senffner, Alan James |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 145 |
| Wformation: | limestone | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 10 |

---

**X87**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221559**

| | | | |
|---|---|---|---|
| Pt api number: | 120430316600 | Pt status: | WATER |
| Pt longitude: | -87.979818 | | |
| Pt latitude: | 41.91291 | | |
| Api number: | 120430316600 | | |
| Longitude : | -87.979818 | | |
| Latitude : | 41.91291 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Molenbrink Eric |
| Farm num: | Not Reported | Company name: | Sission, Edward H. |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 135 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**88**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221558**

| | | | |
|---|---|---|---|
| Pt api number: | 120432856700 | Pt status: | WATER |
| Pt longitude: | -87.975907 | | |
| Pt latitude: | 41.912894 | | |
| Api number: | 120432856700 | | |
| Longitude : | -87.975907 | | |
| Latitude : | 41.912894 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Johnson, William |
| Farm num: | Not Reported | Company name: | Sisson, Edward |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 140 |
| Wformation: | limestone | Wfmfrom: | 72 |
| Wfmto: | 140 | Pumpgpm: | 10 |

---

**89**
**ENE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000220725**

| | | | |
|---|---|---|---|
| Pt api number: | 120430016200 | Pt status: | WATER |
| Pt longitude: | -87.963976 | | |
| Pt latitude: | 41.904757 | | |
| Api number: | 120430016200 | | |
| Longitude : | -87.963976 | | |
| Latitude : | 41.904757 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Paganelis |
| Farm num: | Not Reported | Company name: | Randa Wm J |
| Status: | Water Well | Elevation: | 675 |
| Elevref: | Ground level | Total depth: | 96 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**X90**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221637**

| | | | |
|---|---|---|---|
| Pt api number: | 120432975000 | Pt status: | WATER |
| Pt longitude: | -87.979923 | | |
| Pt latitude: | 41.913658 | | |
| Api number: | 120432975000 | | |
| Longitude : | -87.979923 | | |
| Latitude : | 41.913658 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Williams, Thomas |
| Farm num: | Not Reported | Company name: | Knierim, Phil |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 100 |
| Wformation: | rock | Wfmfrom: | 90 |
| Wfmto: | 100 | Pumpgpm: | 0 |

---

**91**
**ESE** **IL WELLS** **P19041**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well ID: | 180085 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | BLACK TOP ROAD CO (45:24:6) | | |
| Permit: | Not Reported | Date Drilled: | 06/22/1956 |
| Depth (in feet): | 195 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 2E |
| Well Use: | Commercial | Well Type: | -- |
| Record Type: | Construction Report,Geology,Chemical Analysis,Indicates comment in owner's field something unusual | | |
| Driller: | MILLER | | |

---

**Y92**
**South** **IL WELLS** **ILEP20000005954**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Well id: | 20679 | | |
| X coord: | -87.98027 | | |
| Y coord: | 41.88923 | | |
| Fac name: | Not Reported | Facility n: | Not Reported |
| Addr one t: | Not Reported | | |
| Addr two t: | Not Reported | | |
| City name: | Not Reported | State code: | Not Reported |
| Zip code: | Not Reported | Fips cd: | Not Reported |
| Prn cnty: | Not Reported | Status cd: | Not Reported |
| Fed type c: | Not Reported | B name: | Not Reported |
| Pop cnt: | 0 | | |
| Lat dec de: | 0 | | |
| Long dec d: | 0 | | |
| Meridian: | Not Reported | Township: | Not Reported |
| Range: | Not Reported | Section: | Not Reported |
| Updt ts: | 12/30/1899 | W cws num: | 0430800 |
| W cws name: | VILLA PARK | W status: | B |
| W suscept: | E | W policy: | C |
| W min setb: | 0 | | |
| W d depth: | 1912 | | |
| W aquifer: | 6393 | | |
| Amb well: | 0 | | |
| Pws status: | A | Sdwis well: | WL20679 |
| Sys number: | IL0430800 | Api: | 120430049900 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **93**<br>**SSW**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **ILEP20000005955** |

| | | | |
|---|---|---|---|
| Well id: | 20680 | | |
| X coord: | -87.9824 | | |
| Y coord: | 41.88927 | | |
| Fac name: | Not Reported | Facility n: | Not Reported |
| Addr one t: | Not Reported | | |
| Addr two t: | Not Reported | | |
| City name: | Not Reported | State code: | Not Reported |
| Zip code: | Not Reported | Fips cd: | Not Reported |
| Prn cnty: | Not Reported | Status cd: | Not Reported |
| Fed type c: | Not Reported | B name: | Not Reported |
| Pop cnt: | 0 | | |
| Lat dec de: | 0 | | |
| Long dec d: | 0 | | |
| Meridian: | Not Reported | Township: | Not Reported |
| Range: | Not Reported | Section: | Not Reported |
| Updt ts: | 12/30/1899 | W cws num: | 0430800 |
| W cws name: | VILLA PARK | W status: | B |
| W suscept: | C1 | W policy: | C |
| W min setb: | 0 | | |
| W d depth: | 1400 | | |
| W aquifer: | 5697 | | |
| Amb well: | 0 | | |
| Pws status: | A | Sdwis well: | WL20680 |
| Sys number: | IL0430800 | Api: | 120430085400 |

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| | Database | EDR ID Number |
|---|---|---|
| **Z94**<br>**NNE**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21915** |

| | | | |
|---|---|---|---|
| Well ID: | 217376 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | JOTHATHAN FAULSTICH | | |
| Permit: | 018615 | Date Drilled: | 07/25/1990 |
| Depth (in feet): | 100 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | 6E |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | PHIL KNIERIM | | |

---

| | Database | EDR ID Number |
|---|---|---|
| **Y95**<br>**South**<br>**1/2 - 1 Mile**<br>**Lower** | **FED USGS** | **USGS2351736** |

| | | | |
|---|---|---|---|
| Agency cd: | USGS | Site no: | 415320087585001 |
| Site name: | 39N11E- 9.1h1 | | |
| Latitude: | 415320 | EDR Site id: | USGS2351736 |
| Longitude: | 0875850 | Dec lat: | 41.88891865 |
| Dec lon: | -87.9806206 | Coor meth: | M |
| Coor accr: | F | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 17 |
| State: | 17 | County: | 043 |
| Country: | US | Land net: | NENENES 9 T 39N R 11E 3 |
| Location map: | ELMHURST | Map scale: | 24000 |
| Altitude: | 694.00 | | |
| Altitude method: | Interpolated from topographic map | | |
| Altitude accuracy: | 2.5 | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Des Plaines. Illinois, Wisconsin. Area = 1440 sq.mi. | | |
| Topographic: | Undulating | | |
| Site type: | Ground-water other than Spring | Date construction: | 192811 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | CST |
| Local standard time flag: | N | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | Not Reported | | |
| Well depth: | 1441 | Hole depth: | 1912 |
| Source of depth data: | Not Reported | | |
| Project number: | 441706600 | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 1987-11-19 |
| Water quality data end date: | 1987-11-19 | Water quality data count: | 1 |
| Ground water data begin date: | 1982-11-01 | Ground water data end date: | 1982-11-01 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1982-11-01 | 42.00 | |

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**Y96**
**South**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000218633**

| | | | |
|---|---|---|---|
| Pt api number: | 120430049900 | Pt status: | WATER |
| Pt longitude: | -87.980709 | | |
| Pt latitude: | 41.888889 | | |
| Api number: | 120430049900 | | |
| Longitude : | -87.980709 | | |
| Latitude : | 41.888889 | | |
| Section: | 9 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Villa Park City Well |
| Farm num: | 1 | Company name: | Geiger, S. B. Co. |

| | | | |
|---|---|---|---|
| Status: | Water Well | Elevation: | 695 |
| Elevref: | Ground level | Total depth: | 2125 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**97**
**South**
**1/2 - 1 Mile**
**Lower**

**FED USGS** **USGS2351735**

| | | | |
|---|---|---|---|
| Agency cd: | USGS | Site no: | 415320087583501 |
| Site name: | 39N11E- 9.2h1 | | |
| Latitude: | 415320 | EDR Site id: | USGS2351735 |
| Longitude: | 875835 | Dec lat: | 41.88891869 |
| Dec lon: | -87.97645378 | Coor meth: | M |
| Coor accr: | S | Latlong datum: | NAD27 |
| Dec latlong datum: | NAD83 | District: | 17 |
| State: | 17 | County: | 043 |
| Country: | US | Land net: | NENWNES 9 T 39N R 11E 3 |
| Location map: | ELMHURST | Map scale: | 24000 |
| Altitude: | 699.35 | | |
| Altitude method: | Unknown | | |
| Altitude accuracy: | Not Reported | | |
| Altitude datum: | National Geodetic Vertical Datum of 1929 | | |
| Hydrologic: | Des Plaines. Illinois, Wisconsin. Area = 1440 sq.mi. | | |
| Topographic: | Not Reported | | |
| Site type: | Ground-water other than Spring | Date construction: | 19310830 |
| Date inventoried: | Not Reported | Mean greenwich time offset: | CST |
| Local standard time flag: | N | | |
| Type of ground water site: | Single well, other than collector or Ranney type | | |
| Aquifer Type: | Not Reported | | |
| Aquifer: | Not Reported | | |
| Well depth: | 1605 | Hole depth: | Not Reported |
| Source of depth data: | other government (other than USGS) | | |
| Project number: | 441788801 | | |
| Real time data flag: | 0 | Daily flow data begin date: | 0000-00-00 |
| Daily flow data end date: | 0000-00-00 | Daily flow data count: | 0 |
| Peak flow data begin date: | 0000-00-00 | Peak flow data end date: | 0000-00-00 |
| Peak flow data count: | 0 | Water quality data begin date: | 1932-05-23 |
| Water quality data end date: | 1987-11-19 | Water quality data count: | 8 |
| Ground water data begin date: | 1942-09-01 | Ground water data end date: | 1942-09-01 |
| Ground water data count: | 1 | | |

Ground-water levels, Number of Measurements: 1

| Date | Feet below Surface | Feet to Sealevel |
|---|---|---|
| 1942-09-01 | 330.00 | |

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**Z98**
**NNE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221655**

| | | | |
|---|---|---|---|
| Pt api number: | 120432901000 | Pt status: | WATER |
| Pt longitude: | -87.972631 | | |
| Pt latitude: | 41.913823 | | |
| Api number: | 120432901000 | | |
| Longitude : | -87.972631 | | |
| Latitude : | 41.913823 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Faulstich, Jonathan |
| Farm num: | Not Reported | Company name: | Knierim, Phil |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 100 |
| Wformation: | rock | Wfmfrom: | 60 |
| Wfmto: | 100 | Pumpgpm: | 0 |

---

**AA99**
**NNW** **IL WELLS** **ILSG20000221530**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120430197000 | Pt status: | WATER |
| Pt longitude: | -87.988439 | | |
| Pt latitude: | 41.91256 | | |
| Api number: | 120430197000 | | |
| Longitude : | -87.988439 | | |
| Latitude : | 41.91256 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Hausermann Green Hse |
| Farm num: | Not Reported | Company name: | Radke, Otto |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 167 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

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**AA100**
**NNW** **IL WELLS** **ILSG20000221531**
**1/2 - 1 Mile**
**Lower**

| | | | |
|---|---|---|---|
| Pt api number: | 120432457800 | Pt status: | WATER |
| Pt longitude: | -87.988439 | | |
| Pt latitude: | 41.91256 | | |
| Api number: | 120432457800 | | |
| Longitude : | -87.988439 | | |
| Latitude : | 41.91256 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | G-K Bldrs |
| Farm num: | Not Reported | Company name: | K & K Well Drilling |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 165 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **AA101**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21897** |

| | | | |
|---|---|---|---|
| Well ID: | 222643 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | JOHN WILLIS DEVELOPMENT CORP. | | |
| Permit: | Not Reported | Date Drilled: | 07/14/1992 |
| Depth (in feet): | 50 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | MEADOW EQUIPMENT | | |

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| | Database | EDR ID Number |
|---|---|---|
| **AA102**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21896** |

| | | | |
|---|---|---|---|
| Well ID: | 222642 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | JOHN WILLIS DEVELOPMENT CORP. | | |
| Permit: | Not Reported | Date Drilled: | 07/14/1992 |
| Depth (in feet): | 70 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | MEADOW EQUIPMENT | | |

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| | Database | EDR ID Number |
|---|---|---|
| **AA103**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21899** |

| | | | |
|---|---|---|---|
| Well ID: | 232589 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | WILLIAM PLOS | | |
| Permit: | 107656 | Date Drilled: | 06/16/1983 |
| Depth (in feet): | 118 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | SISSON | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **AA104**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21898** |

| | | | |
|---|---|---|---|
| Well ID: | 222644 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | JOHN WILLIS DEVELOPMENT CORP. | | |
| Permit: | Not Reported | Date Drilled: | 07/14/1992 |
| Depth (in feet): | 115 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | MEADOW EQUIPMENT | | |

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| | Database | EDR ID Number |
|---|---|---|
| **AA105**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21894** |

| | | | |
|---|---|---|---|
| Well ID: | 222524 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | DATALIZEK SLIDE CHARTS INC. | | |
| Permit: | Not Reported | Date Drilled: | 09/02/1992 |
| Depth (in feet): | 165 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | FISCHERS WELL | | |

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| | Database | EDR ID Number |
|---|---|---|
| **AA106**<br>**NW**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21892** |

| | | | |
|---|---|---|---|
| Well ID: | 169987 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | SZADY | | |
| Permit: | Not Reported | Date Drilled: | 05/05/1989 |
| Depth (in feet): | 135 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | DON'S WELL & PUMP | | |

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**AA107**
**NW**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21893**

| | | | |
|---|---|---|---|
| Well ID: | 175832 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MS LUANN AINLEY | | |
| Permit: | Not Reported | Date Drilled: | 08/15/1990 |
| Depth (in feet): | 120 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit,Indicates comment in owner's field something unusual | | |
| Driller: | MEADOW EQ SALES 'S | | |

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**AA108**
**NW**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21895**

| | | | |
|---|---|---|---|
| Well ID: | 222529 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | ANCHOR PRODUCTS CO. | | |
| Permit: | Not Reported | Date Drilled: | 09/22/1992 |
| Depth (in feet): | 140 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Industrial/Commercial | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | FISCHER'S WELL | | |

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**AA109**
**NW**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21891**

| | | | |
|---|---|---|---|
| Well ID: | 169986 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | SONNY PULINILKUMKJLA | | |
| Permit: | Not Reported | Date Drilled: | 08/16/1989 |
| Depth (in feet): | 145 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | DON'S WELL & PUMP | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**110**
**North**
**1/2 - 1 Mile**
**Lower** | **IL WELLS** | **P21901**

| | | | |
|---|---|---|---|
| Well ID: | 217514 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | LUANN AINLEY | | |
| Permit: | 018588 | Date Drilled: | 07/02/1990 |
| Depth (in feet): | 164 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 33 | Plot Location: | 1F |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | EDWARD H SISSON | | |

---

**AB111**
**NNE**
**1/2 - 1 Mile**
**Lower** | **IL WELLS** | **ILSG20000221564**

| | | | |
|---|---|---|---|
| Pt api number: | 120433110000 | Pt status: | WATER |
| Pt longitude: | -87.96896 | | |
| Pt latitude: | 41.912989 | | |
| Api number: | 120433110000 | | |
| Longitude : | -87.96896 | | |
| Latitude : | 41.912989 | | |
| Section: | 34 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Uncle Paulies |
| Farm num: | Not Reported | Company name: | Not Reported |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 0 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

---

**AC112**
**East**
**1/2 - 1 Mile**
**Lower** | **IL WELLS** | **P19040**

| | | | |
|---|---|---|---|
| Well ID: | 180635 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MR PAGANELIS #17 | | |
| Permit: | Not Reported | Date Drilled: | 00/00/1957 |
| Depth (in feet): | 96 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 39N | Range: | 11E |
| Section: | 03 | Plot Location: | 1H |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology,Indicates comment in owner's field something unusual | | |
| Driller: | ARNT | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

| | Database | EDR ID Number |
|---|---|---|
| **AB113**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21908** |

| | | | |
|---|---|---|---|
| Well ID: | 195679 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | DUPAGE COUNTY | | |
| Permit: | X0 | Date Drilled: | 00/00/1989 |
| Depth (in feet): | 100 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | LUNDY | | |

---

| | Database | EDR ID Number |
|---|---|---|
| **AB114**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21910** |

| | | | |
|---|---|---|---|
| Well ID: | 195685 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | DUPAGE | | |
| Permit: | X0 | Date Drilled: | 00/00/1989 |
| Depth (in feet): | 70 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | LUNDY | | |

---

| | Database | EDR ID Number |
|---|---|---|
| **AB115**<br>**NE**<br>**1/2 - 1 Mile**<br>**Lower** | **IL WELLS** | **P21912** |

| | | | |
|---|---|---|---|
| Well ID: | 232591 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | HARRY WOOD LOT 17 | | |
| Permit: | AU819 | Date Drilled: | 00/00/1959 |
| Depth (in feet): | 1959 | Aquifer Type: | Bedrock |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Construction Report,Geology | | |
| Driller: | WES PERRINE | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database | EDR ID Number

**AB116**
**NE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21911**

| | | | |
|---|---|---|---|
| Well ID: | 195686 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | DUPAGE | | |
| Permit: | X0 | Date Drilled: | 00/00/1989 |
| Depth (in feet): | 80 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | LUNDY | | |

---

**AB117**
**NE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21905**

| | | | |
|---|---|---|---|
| Well ID: | 175883 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | DOMINIK LUPP LOT 8 | | |
| Permit: | Not Reported | Date Drilled: | 04/12/1990 |
| Depth (in feet): | 100 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit,Indicates comment in owner's field something unusual | | |
| Driller: | BRICKEY | | |

---

**AB118**
**NE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21907**

| | | | |
|---|---|---|---|
| Well ID: | 175909 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | L GAGLIANO | | |
| Permit: | Not Reported | Date Drilled: | 03/02/1990 |
| Depth (in feet): | 140 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | FISCHERS | | |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**AB119**
**NE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21909**

| | | | |
|---|---|---|---|
| Well ID: | 195681 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | DUPAGE COUNTY | | |
| Permit: | X0 | Date Drilled: | 00/00/1989 |
| Depth (in feet): | 43 | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | LUNDY | | |

---

**AB120**
**NE**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **P21906**

| | | | |
|---|---|---|---|
| Well ID: | 175897 | Second ID: | Not Reported |
| Info Source: | IL Private Water Wells Survey | | |
| Owner: | MR UTLEY | | |
| Permit: | Not Reported | Date Drilled: | 03/06/1990 |
| Depth (in feet): | Not Reported | Aquifer Type: | -- |
| County Code: | 043 | County: | DUPAGE |
| Township: | 40N | Range: | 11E |
| Section: | 34 | Plot Location: | Not Reported |
| Well Use: | Domestic | Well Type: | -- |
| Record Type: | Affidavit | | |
| Driller: | SENFFNER | | |

---

**AD121**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221916**

| | | | |
|---|---|---|---|
| Pt api number: | 120432900700 | Pt status: | WATER |
| Pt longitude: | -87.979993 | | |
| Pt latitude: | 41.915486 | | |
| Api number: | 120432900700 | | |
| Longitude : | -87.979993 | | |
| Latitude : | 41.915486 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Ainley, Luann |
| Farm num: | Not Reported | Company name: | Sisson, Edward |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 164 |
| Wformation: | limestone | Wfmfrom: | 58 |
| Wfmto: | 164 | Pumpgpm: | 0 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

**AD122**
**North**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000221962**

| | | | |
|---|---|---|---|
| Pt api number: | 120432856600 | Pt status: | WATER |
| Pt longitude: | -87.97952 | | |
| Pt latitude: | 41.915833 | | |
| Api number: | 120432856600 | | |
| Longitude : | -87.97952 | | |
| Latitude : | 41.915833 | | |
| Section: | 33 | Twp: | 40 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Schumacher, Wesley |
| Farm num: | Not Reported | Company name: | Sisson, Edward |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 130 |
| Wformation: | limestone | Wfmfrom: | 73 |
| Wfmto: | 130 | Pumpgpm: | 10 |

---

**AC123**
**East**
**1/2 - 1 Mile**
**Lower**

**IL WELLS** **ILSG20000220644**

| | | | |
|---|---|---|---|
| Pt api number: | 120430241600 | Pt status: | WATER |
| Pt longitude: | -87.959847 | | |
| Pt latitude: | 41.903828 | | |
| Api number: | 120430241600 | | |
| Longitude : | -87.959847 | | |
| Latitude : | 41.903828 | | |
| Section: | 3 | Twp: | 39 |
| Tdir: | N | Rng: | 11 |
| Rdir: | E | Farm name: | Salt Creek Club |
| Farm num: | Not Reported | Company name: | Miller, J. P. Art. Well |
| Status: | Water Well | Elevation: | 0 |
| Elevref: | Not Reported | Total depth: | 311 |
| Wformation: | Not Reported | Wfmfrom: | 0 |
| Wfmto: | 0 | Pumpgpm: | 0 |

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

State Database: IL Radon

Radon Test Results

| Zipcode | Result |
|---|---|
| 60181 | 3 |
| 60181 | 0.5 |
| 60181 | 0.8 |
| 60181 | 1.1 |
| 60181 | 0.7 |
| 60181 | 1.5 |
| 60181 | 4.9 |
| 60181 | 1.3 |
| 60181 | 0.8 |
| 60181 | 3.6 |
| 60181 | 3.8 |
| 60181 | 2 |
| 60181 | 0.5 |
| 60181 | 15.2 |
| 60181 | 2.2 |
| 60181 | 1.8 |
| 60181 | 9.3 |
| 60181 | 2.1 |
| 60181 | 2.1 |
| 60181 | 5.3 |
| 60181 | 0.1 |
| 60181 | 1.8 |
| 60181 | 2.1 |
| 60181 | 11.4 |
| 60181 | 3.2 |
| 60181 | 0.7 |
| 60181 | 6.6 |
| 60181 | 5.1 |
| 60181 | 3.6 |
| 60181 | 0.5 |
| 60181 | 1.8 |
| 60181 | 3.5 |
| 60181 | 5.1 |
| 60181 | 1.8 |
| 60181 | 9.9 |
| 60181 | 1.5 |
| 60181 | 1 |

Federal EPA Radon Zone for DUPAGE County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
# RADON

**AREA RADON INFORMATION**

Federal Area Radon Information for Zip Code: 60181

Number of sites tested: 4

| Area | Average Activity | % <4 pCi/L | % 4-20 pCi/L | % >20 pCi/L |
|---|---|---|---|---|
| Living Area - 1st Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Living Area - 2nd Floor | Not Reported | Not Reported | Not Reported | Not Reported |
| Basement | 1.875 pCi/L | 100% | 0% | 0% |

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Scanned Digital USGS 7.5' Topographic Map (DRG)
Source: United States Geologic Survey
A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

AQUIFLOW$^{R}$ Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Water Well Records
Source: Illinois Geological Survey
Telephone: 217-333-4747

Illinois Private Well Database and PICS (Public, Industrial, Commercial Survey)
Source: Illinois State Water Survey
Telephone: 217-333-9043

Water Well Location Information
Source: Illinois Environmental Protection Agency
Telephone: 217-782-0810

## OTHER STATE DATABASE INFORMATION

RADON

State Database: IL Radon
Source: Department of Nuclear Safety
Telephone: 217-785-9958
County Radon Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

**STREET AND ADDRESS INFORMATION**

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# APPENDIX VII

FEDERAL, STATE & LOCAL RECORDS

No Federal, State or Local Records were provided.

# APPENDIX VIII

HISTORICAL RECORDS AND MAPS

**Villa Park Streetscape Project**
344-726 N ARDMORE AVE
Villa Park, IL 60181

Inquiry Number: 3485323.5
January 02, 2013

# The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.


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## Date EDR Searched Historical Sources:

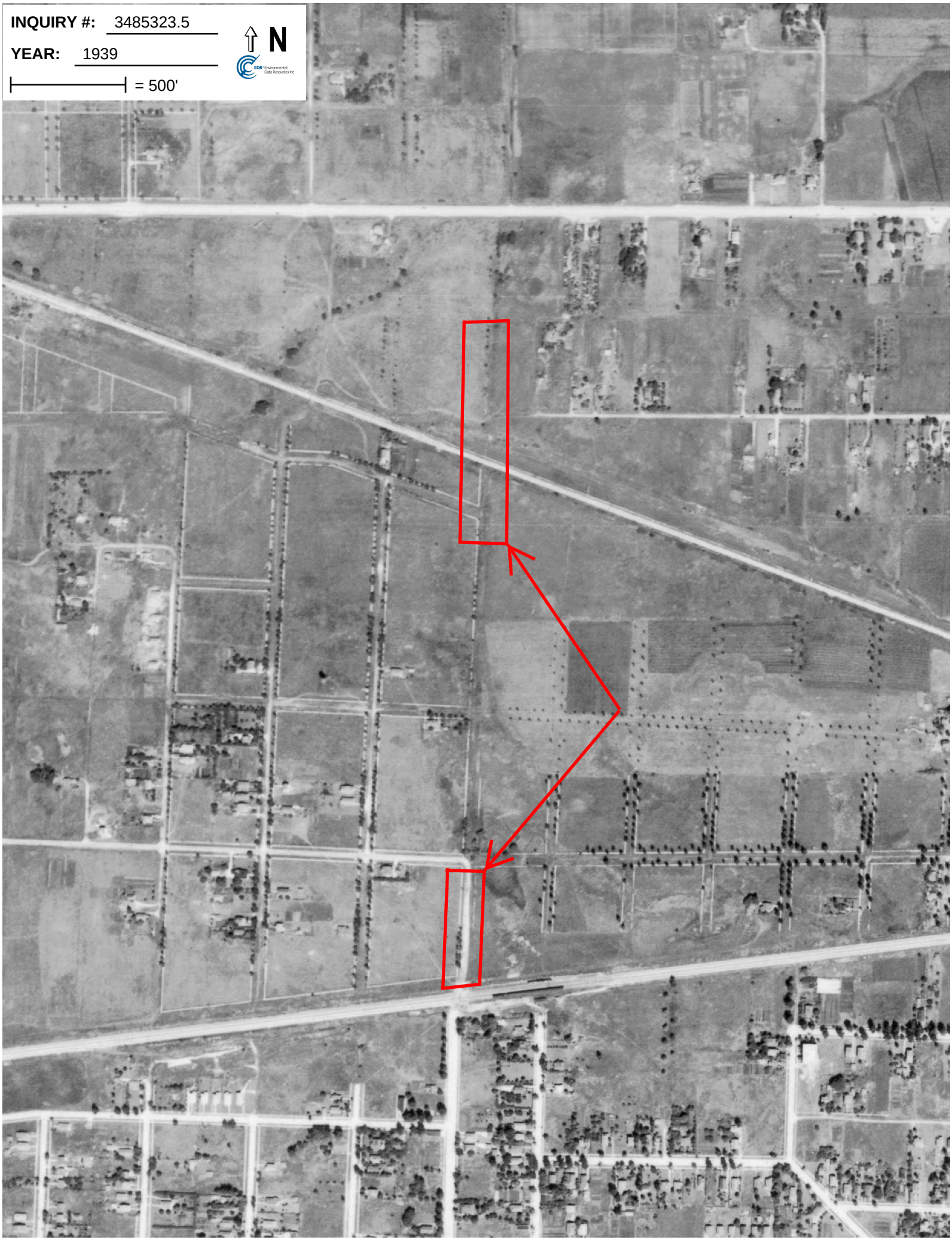
Aerial Photography January 02, 2013

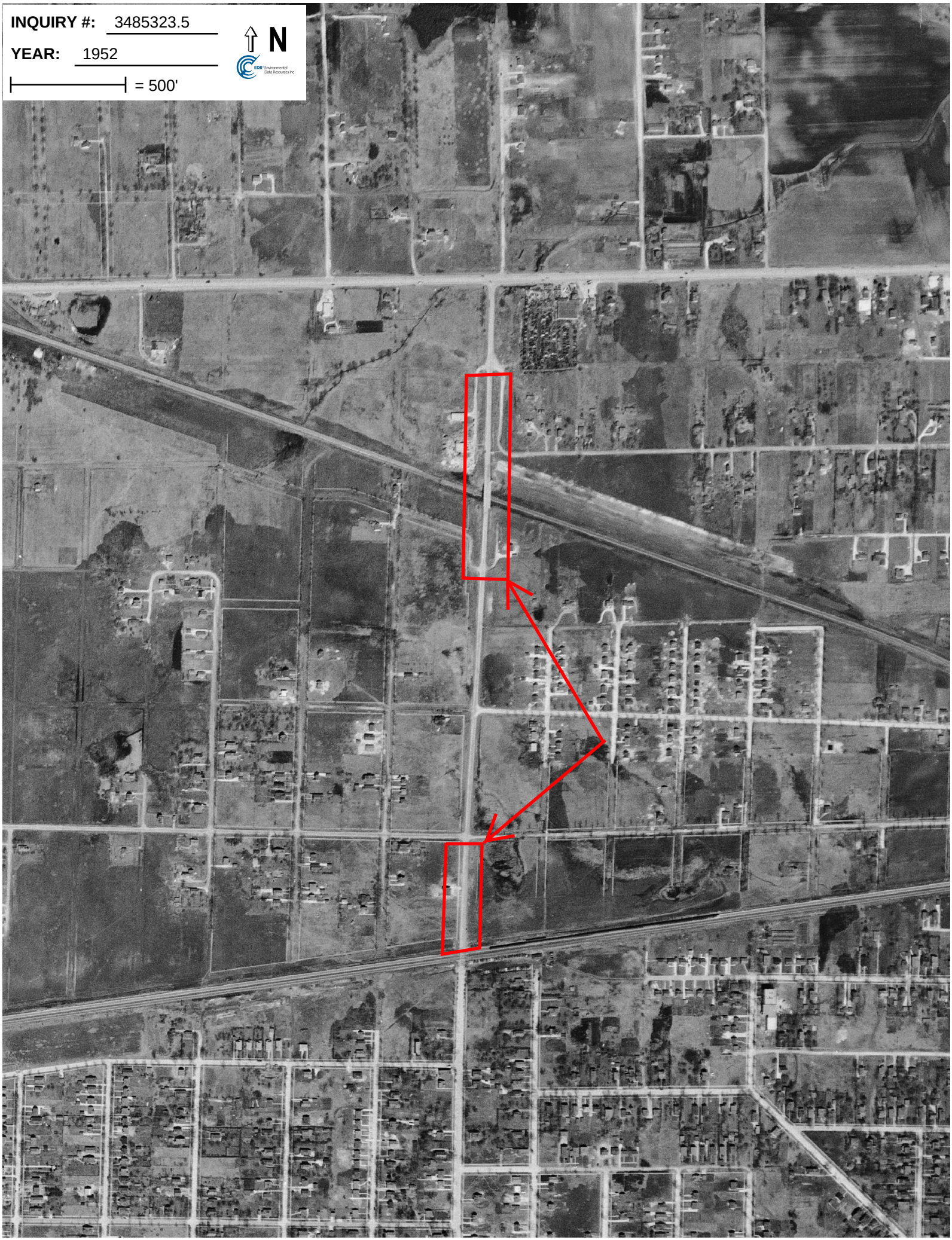
## Target Property:

344-726 N ARDMORE AVE

Villa Park, IL 60181

| ***Year*** | ***Scale*** | ***Details*** | ***Source*** |
|---|---|---|---|
| 1939 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: August 24, 1939 | EDR |
| 1952 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: April 08, 1952 | EDR |
| 1962 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: April 20, 1962 | EDR |
| 1971 | Aerial Photograph. Scale: 1"=750' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: May 14, 1971 | EDR |
| 1978 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: October 30, 1978 | EDR |
| 1981 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: November 07, 1981 | EDR |
| 1988 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: April 30, 1988 | EDR |
| 1993 | Aerial Photograph. Scale: 1"=750' | Panel #: 41087-H8, Elmhurst, IL;/Flight Date: April 17, 1993 | EDR |
| 1999 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Composite DOQQ - acquisition dates: March 22, 1999 | EDR |
| 2005 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Year: 2005 | EDR |
| 2006 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Year: 2006 | EDR |
| 2007 | Aerial Photograph. Scale: 1"=500' | Panel #: 41087-H8, Elmhurst, IL;/Flight Year: 2007 | EDR |


INQUIRY #: 3485323.5
YEAR: 1939
= 500'
N

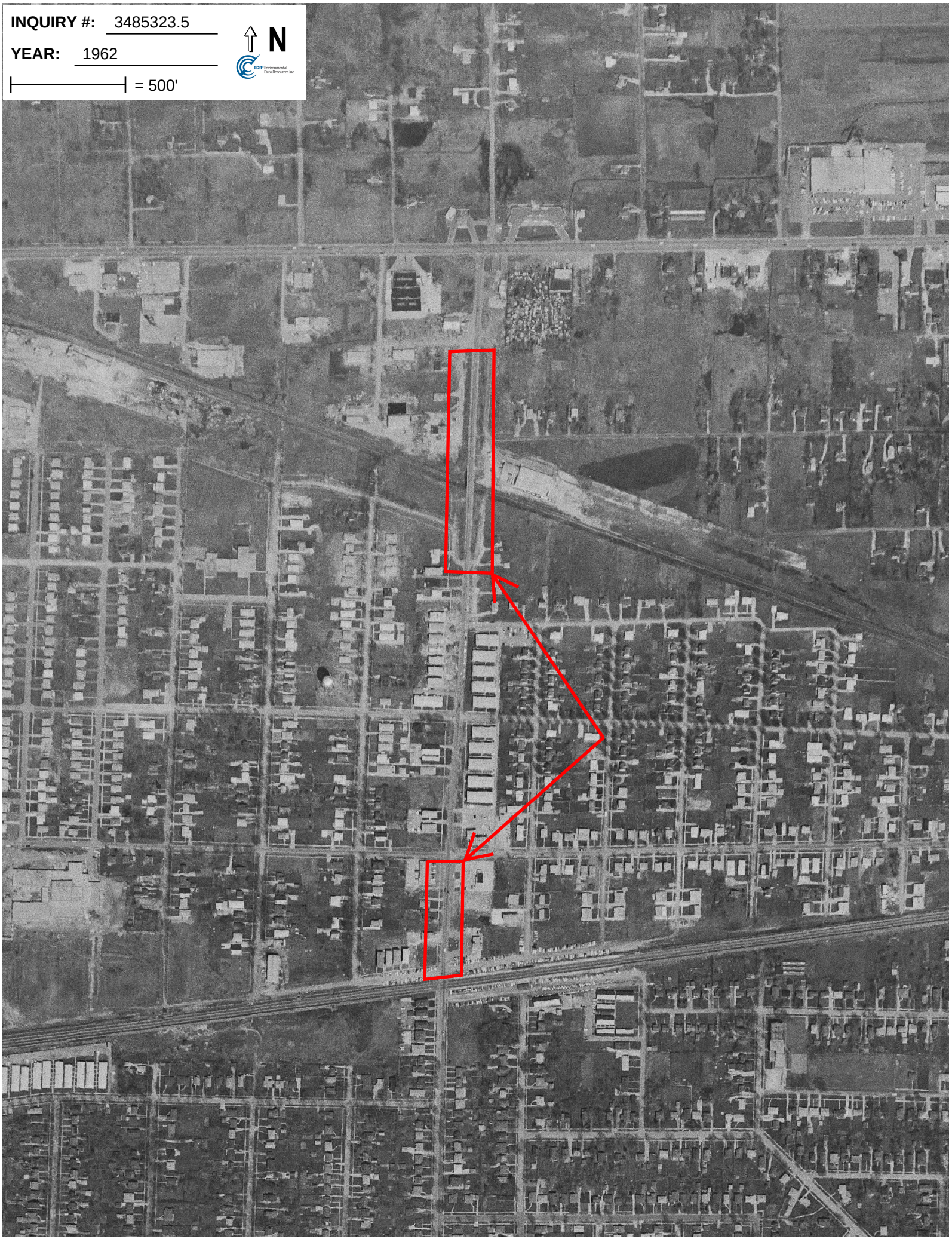

INQUIRY #: 3485323.5
YEAR: 1952
= 500'
N

**INQUIRY #:** 3485323.5

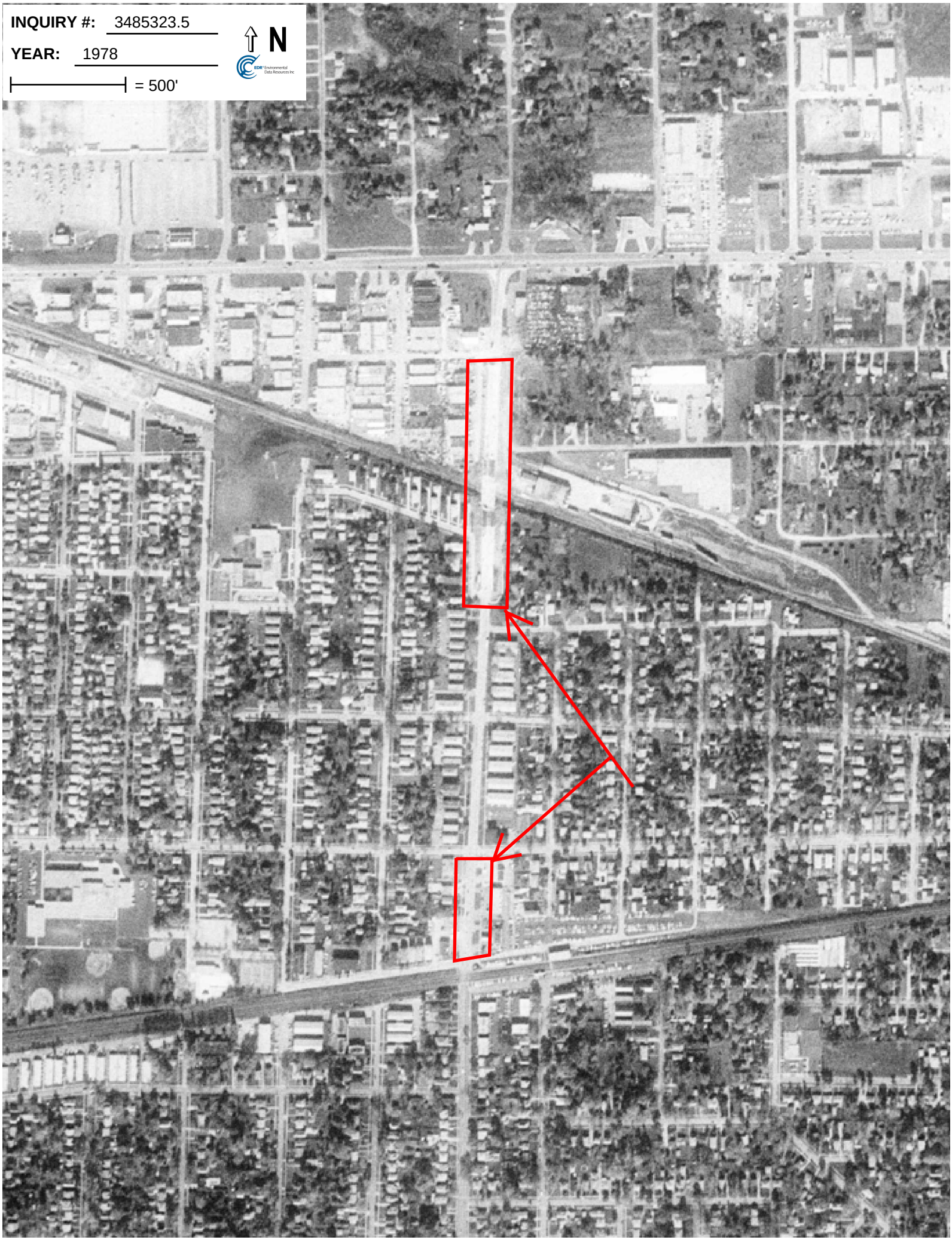
**YEAR:** 1962

= 500'

N




INQUIRY #: 3485323.5
YEAR: 1971
= 750'
N


INQUIRY #: 3485323.5
YEAR: 1978
= 500'
N


INQUIRY #: 3485323.5
YEAR: 1981
= 500'
N


INQUIRY #: 3485323.5
YEAR: 1988
= 500'
N


INQUIRY #: 3485323.5
YEAR: 1993
= 750'
N


INQUIRY #: 3485323.5
YEAR: 1999
= 500'
N


INQUIRY #: 3485323.5
YEAR: 2005
= 500'
N


INQUIRY #: 3485323.5
YEAR: 2006
= 500'
N


INQUIRY #: 3485323.5
YEAR: 2007
= 500'
N

**Villa Park Streetscape Project**
344-726 N ARDMORE AVE
Villa Park, IL 60181

Inquiry Number: 3485323.6
January 03, 2013

# The EDR-City Directory Image Report

Environmental Data Resources Inc

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***Thank you for your business.***
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with any questions or comments.

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# EXECUTIVE SUMMARY

## DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

## RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

| *Year* | *Target Street* | *Cross Street* | *Source* |
|---|---|---|---|
| 2009 | ☑ | ☐ | Haines Criss-Cross Directory |
| 2003 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1998 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1993 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1988 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1982 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1977 | ☑ | ☐ | Haines Criss-Cross Directory |
| 1971 | ☑ | ☐ | Haines Criss-Cross Directory |

## RECORD SOURCES

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# FINDINGS

## TARGET PROPERTY STREET

344-726 N ARDMORE AVE
Villa Park, IL 60181

| *Year* | *CD Image* | *Source* |
|---|---|---|

## N ARDMORE AVE

| | | |
|---|---|---|
| 2009 | pg A1 | Haines Criss-Cross Directory |
| 2009 | pg A2 | Haines Criss-Cross Directory |
| 2003 | pg A3 | Haines Criss-Cross Directory |
| 2003 | pg A4 | Haines Criss-Cross Directory |
| 2003 | pg A5 | Haines Criss-Cross Directory |
| 1998 | pg A6 | Haines Criss-Cross Directory |
| 1998 | pg A7 | Haines Criss-Cross Directory |
| 1998 | pg A8 | Haines Criss-Cross Directory |
| 1993 | pg A10 | Haines Criss-Cross Directory |
| 1993 | pg A11 | Haines Criss-Cross Directory |
| 1993 | pg A9 | Haines Criss-Cross Directory |
| 1988 | pg A12 | Haines Criss-Cross Directory |
| 1988 | pg A13 | Haines Criss-Cross Directory |
| 1988 | pg A14 | Haines Criss-Cross Directory |
| 1982 | pg A15 | Haines Criss-Cross Directory |
| 1982 | pg A16 | Haines Criss-Cross Directory |
| 1977 | pg A17 | Haines Criss-Cross Directory |
| 1977 | pg A18 | Haines Criss-Cross Directory |
| 1977 | pg A19 | Haines Criss-Cross Directory |
| 1977 | pg A20 | Haines Criss-Cross Directory |
| 1977 | pg A21 | Haines Criss-Cross Directory |
| 1971 | pg A22 | Haines Criss-Cross Directory |
| 1971 | pg A23 | Haines Criss-Cross Directory |
| 1971 | pg A24 | Haines Criss-Cross Directory |

# FINDINGS

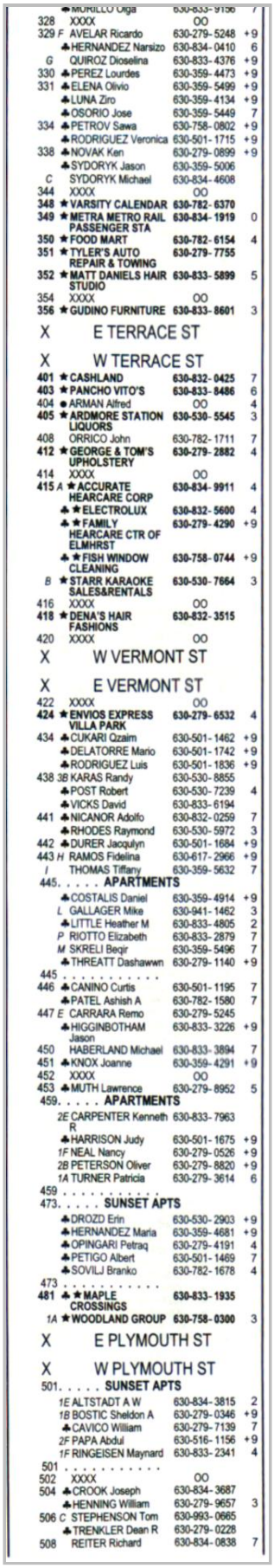
## CROSS STREETS

No Cross Streets Identified

# City Directory Images

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

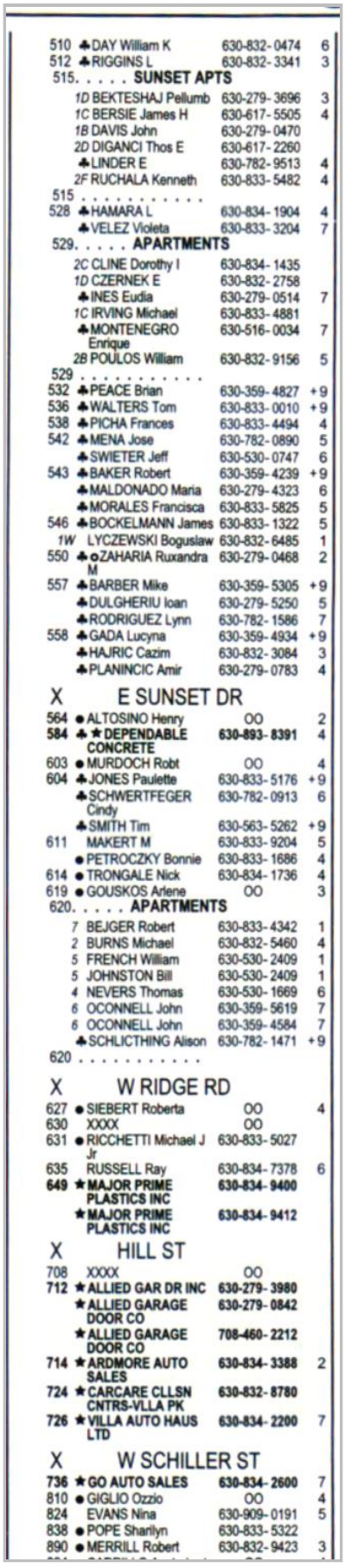
# N ARDMORE AVE 2009



| | | | | |
|---|---|---|---|---|
| | ♣MURILLO Olga | 630-833-9156 | 7 |
| 328 | XXXX | OO | |
| 329 | F AVELAR Ricardo | 630-279-5248 | +9 |
| | ♣HERNANDEZ Narsizo | 630-834-0410 | 6 |
| | G QUIROZ Dioselina | 630-833-4376 | +9 |
| 330 | ♣PEREZ Lourdes | 630-359-4473 | +9 |
| 331 | ♣ELENA Olivio | 630-359-5499 | +9 |
| | ♣LUNA Ziro | 630-359-4134 | +9 |
| | ♣OSORIO Jose | 630-359-5449 | 7 |
| 334 | ♣PETROV Sawa | 630-758-0802 | +9 |
| | ♣RODRIGUEZ Veronica | 630-501-1715 | +9 |
| 338 | ♣NOVAK Ken | 630-279-0899 | +9 |
| | ♣SYDORYK Jason | 630-359-5006 | |
| | C SYDORYK Michael | 630-834-4608 | |
| 344 | XXXX | OO | |
| 348 | ★VARSITY CALENDAR | 630-782-6370 | |
| 349 | ★METRA METRO RAIL PASSENGER STA | 630-834-1919 | 0 |
| 350 | ★FOOD MART | 630-782-6154 | 4 |
| 351 | ★TYLER'S AUTO REPAIR & TOWING | 630-279-7755 | |
| 352 | ★MATT DANIELS HAIR STUDIO | 630-833-5899 | 5 |
| 354 | XXXX | OO | |
| 356 | ★GUDINO FURNITURE | 630-833-8601 | 3 |
| X | E TERRACE ST | | |
| X | W TERRACE ST | | |
| 401 | ★CASHLAND | 630-832-0425 | 7 |
| 403 | ★PANCHO VITO'S | 630-833-8486 | 6 |
| 404 | ● ARMAN Alfred | OO | 4 |
| 405 | ★ARDMORE STATION LIQUORS | 630-530-5545 | 3 |
| 408 | ORRICO John | 630-782-1711 | 7 |
| 412 | ★GEORGE & TOM'S UPHOLSTERY | 630-279-2882 | 4 |
| 414 | XXXX | OO | |
| 415 | A ★ACCURATE HEARCARE CORP | 630-834-9911 | 4 |
| | ♣★ELECTROLUX | 630-832-5600 | 4 |
| | ♣★FAMILY HEARCARE CTR OF ELMHRST | 630-279-4290 | +9 |
| | ♣★FISH WINDOW CLEANING | 630-758-0744 | +9 |
| | B ★STARR KARAOKE SALES&RENTALS | 630-530-7664 | 3 |
| 416 | XXXX | OO | |
| 418 | ★DENA'S HAIR FASHIONS | 630-832-3515 | |
| 420 | XXXX | OO | |
| X | W VERMONT ST | | |
| X | E VERMONT ST | | |
| 422 | XXXX | OO | |
| 424 | ★ENVIOS EXPRESS VILLA PARK | 630-279-6532 | 4 |
| 434 | ♣CUKARI Qzaim | 630-501-1462 | +9 |
| | ♣DELATORRE Mario | 630-501-1742 | +9 |
| | ♣RODRIGUEZ Luis | 630-501-1836 | +9 |
| 438 | 3B KARAS Randy | 630-530-8855 | |
| | ♣POST Robert | 630-530-7239 | 4 |
| | ♣VICKS David | 630-833-6194 | |
| 441 | ♣NICANOR Adolfo | 630-832-0259 | 7 |
| | ♣RHODES Raymond | 630-530-5972 | 3 |
| 442 | ♣DURER Jacqulyn | 630-501-1684 | +9 |
| 443 | H RAMOS Fidelina | 630-617-2966 | +9 |
| | I THOMAS Tiffany | 630-359-5632 | 7 |
| 445 | APARTMENTS | | |
| | ♣COSTALIS Daniel | 630-359-4914 | +9 |
| | L GALLAGER Mike | 630-941-1462 | 3 |
| | ♣LITTLE Heather M | 630-833-4805 | 2 |
| | P RIOTTO Elizabeth | 630-833-2879 | 7 |
| | M SKRELI Begir | 630-359-5496 | 7 |
| | ♣THREATT Dashawwn | 630-279-1140 | +9 |
| 445 | . . . . . | | |
| 446 | ♣CANINO Curtis | 630-501-1195 | 7 |
| | ♣PATEL Ashish A | 630-782-1580 | 7 |
| 447 | E CARRARA Remo | 630-279-5245 | |
| | ♣HIGGINBOTHAM Jason | 630-833-3226 | +9 |
| 450 | HABERLAND Michael | 630-833-3894 | 7 |
| 451 | ♣KNOX Joanne | 630-359-4291 | +9 |
| 452 | XXXX | OO | |
| 453 | ♣MUTH Lawrence | 630-279-8952 | 5 |
| 459 | APARTMENTS | | |
| | 2E CARPENTER Kenneth R | 630-833-7963 | |
| | ♣HARRISON Judy | 630-501-1675 | +9 |
| | 1F NEAL Nancy | 630-279-0526 | +9 |
| | 2B PETERSON Oliver | 630-279-8820 | +9 |
| | 1A TURNER Patricia | 630-279-3614 | 6 |
| 459 | . . . . . | | |
| 473 | SUNSET APTS | | |
| | ♣DROZD Erin | 630-530-2903 | +9 |
| | ♣HERNANDEZ Maria | 630-359-4681 | +9 |
| | ♣OPINGARI Petraq | 630-279-4191 | 4 |
| | ♣PETIGO Albert | 630-501-1469 | 7 |
| | ♣SOVILJ Branko | 630-782-1678 | 4 |
| 473 | . . . . . | | |
| 481 | ♣★MAPLE CROSSINGS | 630-833-1935 | |
| | 1A ★WOODLAND GROUP | 630-758-0300 | 3 |
| X | E PLYMOUTH ST | | |
| X | W PLYMOUTH ST | | |
| 501 | SUNSET APTS | | |
| | 1E ALTSTADT A W | 630-834-3815 | 2 |
| | 1B BOSTIC Sheldon A | 630-279-0346 | +9 |
| | ♣CAVICO William | 630-279-7139 | 7 |
| | 2F PAPA Abdul | 630-516-1156 | +9 |
| | 1F RINGEISEN Maynard | 630-833-2341 | 4 |
| 501 | . . . . . | | |
| 502 | XXXX | OO | |
| 504 | ♣CROOK Joseph | 630-834-3687 | |
| | ♣HENNING William | 630-279-9657 | 3 |
| 506 | C STEPHENSON Tom | 630-993-0665 | |
| | ♣TRENKLER Dean R | 630-279-0228 | |
| 508 | REITER Richard | 630-834-0838 | 7 |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

# N ARDMORE AVE 2009



510 ♣DAY William K 630-832-0474 6
512 ♣RIGGINS L 630-832-3341 3
515. . . . . **SUNSET APTS**
*1D* BEKTESHAJ Pellumb 630-279-3696 3
*1C* BERSIE James H 630-617-5505 4
*1B* DAVIS John 630-279-0470
*2D* DIGANCI Thos E 630-617-2260
♣LINDER E 630-782-9513 4
*2F* RUCHALA Kenneth 630-833-5482 4
515 . . . . . .
528 ♣HAMARA L 630-834-1904 4
♣VELEZ Violeta 630-833-3204 7
529. . . . . **APARTMENTS**
*2C* CLINE Dorothy I 630-834-1435
*1D* CZERNEK E 630-832-2758
♣INES Eudia 630-279-0514 7
*1C* IRVING Michael 630-833-4881
♣MONTENEGRO Enrique 630-516-0034 7
*2B* POULOS William 630-832-9156 5
529 . . . . . .
532 ♣PEACE Brian 630-359-4827 +9
536 ♣WALTERS Tom 630-833-0010 +9
538 ♣PICHA Frances 630-833-4494 4
542 ♣MENA Jose 630-782-0890 5
♣SWIETER Jeff 630-530-0747 6
543 ♣BAKER Robert 630-359-4239 +9
♣MALDONADO Maria 630-279-4323 6
♣MORALES Francisca 630-833-5825 5
546 ♣BOCKELMANN James 630-833-1322 5
*1W* LYCZEWSKI Boguslaw 630-832-6485 1
550 ♣ZAHARIA Ruxandra M 630-279-0468 2
557 ♣BARBER Mike 630-359-5305 +9
♣DULGHERIU Ioan 630-279-5250 5
♣RODRIGUEZ Lynn 630-782-1586 7
558 ♣GADA Lucyna 630-359-4934 +9
♣HAJRIC Cazim 630-832-3084 3
♣PLANINCIC Amir 630-279-0783 4

## X E SUNSET DR

564 ●ALTOSINO Henry OO 2
**584 ♣★DEPENDABLE CONCRETE 630-893-8391 4**
603 ●MURDOCH Robt OO 4
604 ♣JONES Paulette 630-833-5176 +9
♣SCHWERTFEGER Cindy 630-782-0913 6
♣SMITH Tim 630-563-5262 +9
611 MAKERT M 630-833-9204 5
●PETROCZKY Bonnie 630-833-1686 4
614 ●TRONGALE Nick 630-834-1736 4
619 ●GOUSKOS Arlene OO 3
620. . . . . **APARTMENTS**
*7* BEJGER Robert 630-833-4342 1
*2* BURNS Michael 630-832-5460 4
*5* FRENCH William 630-530-2409 1
*5* JOHNSTON Bill 630-530-2409 1
*4* NEVERS Thomas 630-530-1669 6
*6* OCONNELL John 630-359-5619 7
*6* OCONNELL John 630-359-4584 7
♣SCHLICTHING Alison 630-782-1471 +9
620 . . . . . .

## X W RIDGE RD

627 ●SIEBERT Roberta OO 4
630 XXXX OO
631 ●RICCHETTI Michael J Jr 630-833-5027
635 RUSSELL Ray 630-834-7378 6
**649 ★MAJOR PRIME PLASTICS INC 630-834-9400**
**★MAJOR PRIME PLASTICS INC 630-834-9412**

## X HILL ST

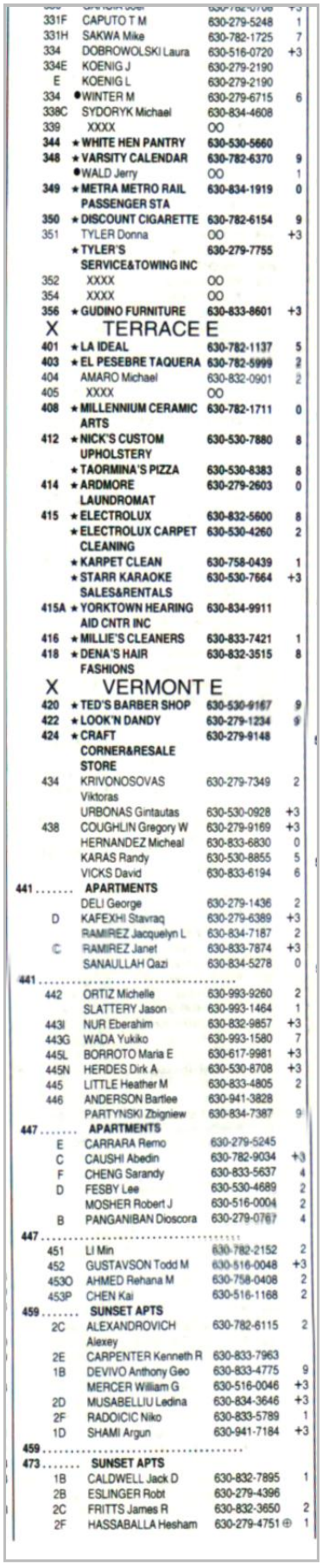
708 XXXX OO
**712 ★ALLIED GAR DR INC 630-279-3980**
**★ALLIED GARAGE DOOR CO 630-279-0842**
**★ALLIED GARAGE DOOR CO 708-460-2212**
**714 ★ARDMORE AUTO SALES 630-834-3388 2**
**724 ★CARCARE CLLSN CNTRS-VLLA PK 630-832-8780**
**726 ★VILLA AUTO HAUS LTD 630-834-2200 7**

## X W SCHILLER ST

**736 ★GO AUTO SALES 630-834-2600 7**
810 ●GIGLIO Ozzio OO 4
824 EVANS Nina 630-909-0191 5
838 ●POPE Sharilyn 630-833-5322
890 ●MERRILL Robert 630-832-9423 3

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

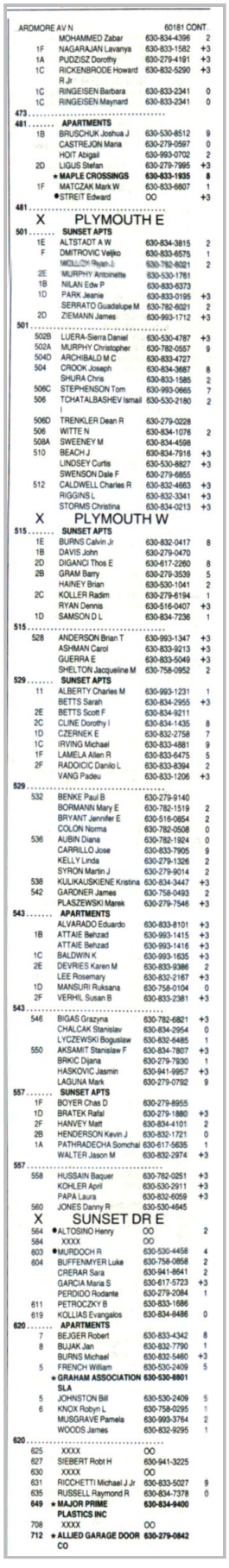
# N ARDMORE AVE 2003



| | | | |
|---|---|---|---|
| 331F | CAPUTO T M | 630-279-5248 | 1 |
| 331H | SAKWA Mike | 630-782-1725 | 7 |
| 334 | DOBROWOLSKI Laura | 630-516-0720 | +3 |
| 334E | KOENIG J | 630-279-2190 | |
| E | KOENIG L | 630-279-2190 | |
| 334 | ●WINTER M | 630-279-6715 | 6 |
| 338C | SYDORYK Michael | 630-834-4608 | |
| 339 | XXXX | OO | |
| 344 | ★WHITE HEN PANTRY | 630-530-5660 | |
| 348 | ★VARSITY CALENDAR | 630-782-6370 | 9 |
| | ●WALD Jerry | OO | 1 |
| 349 | ★METRA METRO RAIL PASSENGER STA | 630-834-1919 | 0 |
| 350 | ★DISCOUNT CIGARETTE | 630-782-6154 | 9 |
| 351 | TYLER Donna | OO | +3 |
| | ★TYLER'S SERVICE&TOWING INC | 630-279-7755 | |
| 352 | XXXX | OO | |
| 354 | XXXX | OO | |
| 356 | ★GUDINO FURNITURE | 630-833-8601 | +3 |
| X | TERRACE E | | |
| 401 | ★LA IDEAL | 630-782-1137 | 5 |
| 403 | ★EL PESEBRE TAQUERA | 630-782-5999 | 2 |
| 404 | AMARO Michael | 630-832-0901 | 2 |
| 405 | XXXX | OO | |
| 408 | ★MILLENNIUM CERAMIC ARTS | 630-782-1711 | 0 |
| 412 | ★NICK'S CUSTOM UPHOLSTERY | 630-530-7880 | 8 |
| | ★TAORMINA'S PIZZA | 630-530-8383 | 8 |
| 414 | ★ARDMORE LAUNDROMAT | 630-279-2603 | 0 |
| 415 | ★ELECTROLUX | 630-832-5600 | 8 |
| | ★ELECTROLUX CARPET CLEANING | 630-530-4260 | 2 |
| | ★KARPET CLEAN | 630-758-0439 | 1 |
| | ★STARR KARAOKE SALES&RENTALS | 630-530-7664 | +3 |
| 415A | ★YORKTOWN HEARING AID CNTR INC | 630-834-9911 | |
| 416 | ★MILLIE'S CLEANERS | 630-833-7421 | 1 |
| 418 | ★DENA'S HAIR FASHIONS | 630-832-3515 | 8 |
| X | VERMONT E | | |
| 420 | ★TED'S BARBER SHOP | 630-530-9167 | 9 |
| 422 | ★LOOK'N DANDY | 630-279-1234 | 9 |
| 424 | ★CRAFT CORNER&RESALE STORE | 630-279-9148 | |
| 434 | KRIVONOSOVAS Viktoras | 630-279-7349 | 2 |
| | URBONAS Gintautas | 630-530-0928 | +3 |
| 438 | COUGHLIN Gregory W | 630-279-9169 | +3 |
| | HERNANDEZ Micheal | 630-833-6830 | 0 |
| | KARAS Randy | 630-530-8855 | 5 |
| | VICKS David | 630-833-6194 | 6 |
| 441 | APARTMENTS | | |
| | DELI George | 630-279-1436 | 2 |
| D | KAFEXHI Stavraq | 630-279-6389 | +3 |
| | RAMIREZ Jacquelyn L | 630-834-7187 | 2 |
| C | RAMIREZ Janet | 630-833-7874 | +3 |
| | SANAULLAH Qazi | 630-834-5278 | 0 |
| 441 | | | |
| 442 | ORTIZ Michelle | 630-993-9260 | 2 |
| | SLATTERY Jason | 630-993-1464 | 1 |
| 443I | NUR Eberahim | 630-832-9857 | +3 |
| 443G | WADA Yukiko | 630-993-1580 | 7 |
| 445L | BORROTO Maria E | 630-617-9981 | +3 |
| 445N | HERDES Dirk A | 630-530-8708 | +3 |
| 445 | LITTLE Heather M | 630-833-4805 | 2 |
| 446 | ANDERSON Bartlee | 630-941-3828 | |
| | PARTYNSKI Zbigniew | 630-834-7387 | 9 |
| 447 | APARTMENTS | | |
| E | CARRARA Remo | 630-279-5245 | |
| C | CAUSHI Abedin | 630-782-9034 | +3 |
| F | CHENG Sarandy | 630-833-5637 | 4 |
| D | FESBY Lee | 630-530-4689 | 2 |
| | MOSHER Robert J | 630-516-0004 | 2 |
| B | PANGANIBAN Dioscora | 630-279-0767 | 4 |
| 447 | | | |
| 451 | LI Min | 630-782-2152 | 2 |
| 452 | GUSTAVSON Todd M | 630-516-0048 | +3 |
| 453O | AHMED Rehana M | 630-758-0408 | 2 |
| 453P | CHEN Kai | 630-516-1168 | 2 |
| 459 | SUNSET APTS | | |
| 2C | ALEXANDROVICH Alexey | 630-782-6115 | 2 |
| 2E | CARPENTER Kenneth R | 630-833-7963 | |
| 1B | DEVIVO Anthony Geo | 630-833-4775 | 9 |
| | MERCER William G | 630-516-0046 | +3 |
| 2D | MUSABELLIU Ledina | 630-834-3646 | +3 |
| 2F | RADOICIC Niko | 630-833-5789 | 1 |
| 1D | SHAMI Argun | 630-941-7184 | +3 |
| 459 | | | |
| 473 | SUNSET APTS | | |
| 1B | CALDWELL Jack D | 630-832-7895 | 1 |
| 2B | ESLINGER Robt | 630-279-4396 | |
| 2C | FRITTS James R | 630-832-3650 | 2 |
| 2F | HASSABALLA Hesham | 630-279-4751 ⊕ | 1 |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

# N ARDMORE AVE 2003



ARDMORE AV N 60181 CONT.

| | | | |
|---|---|---|---|
| | MOHAMMED Zabar | 630-834-4396 | 2 |
| 1F | NAGARAJAN Lavanya | 630-833-1582 | +3 |
| 1A | PUDZISZ Dorothy | 630-279-4191 | +3 |
| 1C | RICKENBRODE Howard R Jr | 630-832-5290 | +3 |
| 1C | RINGEISEN Barbara | 630-833-2341 | 0 |
| 1C | RINGEISEN Maynard | 630-833-2341 | 0 |
| 473 | | | |
| 481 | **APARTMENTS** | | |
| 1B | BRUSCHUK Joshua J | 630-530-8512 | 9 |
| | CASTREJON Maria | 630-279-0597 | 0 |
| | HOIT Abigail | 630-993-0702 | 2 |
| 2D | LIGUS Stefan | 630-279-7995 | +3 |
| | ★ **MAPLE CROSSINGS** | **630-833-1935** | **8** |
| 1F | MATCZAK Mark W | 630-833-6607 | 1 |
| | ●STREIT Edward | OO | +3 |
| 481 | | | |
| X | PLYMOUTH E | | |
| 501 | **SUNSET APTS** | | |
| 1E | ALTSTADT A W | 630-834-3815 | 2 |
| F | DMITROVIC Veljko | 630-833-6575 | 1 |
| | MCLLLOY Ryan J | 630-782-8021 | 2 |
| 2E | MURPHY Antoinette | 630-530-1761 | |
| 1B | NILAN Edw P | 630-833-6373 | |
| 1D | PARK Jeanie | 630-833-0195 | +3 |
| | SERRATO Guadalupe M | 630-782-6021 | 2 |
| 2D | ZIEMANN James | 630-993-1712 | +3 |
| 501 | | | |
| 502B | LUERA-Sierra Daniel | 630-530-4787 | +3 |
| 502A | MURPHY Christopher | 630-782-0557 | 9 |
| 504D | ARCHIBALD M C | 630-833-4727 | |
| 504 | CROOK Joseph | 630-834-3687 | 8 |
| | SHURA Chris | 630-833-1585 | 2 |
| 506C | STEPHENSON Tom | 630-993-0665 | 7 |
| 506 | TCHATALBASHEV Ismail I | 630-530-2180 | 2 |
| 506D | TRENKLER Dean R | 630-279-0228 | |
| 506 | WITTE N | 630-834-1076 | 2 |
| 508A | SWEENEY M | 630-834-4598 | |
| 510 | BEACH J | 630-834-7916 | +3 |
| | LINDSEY Curtis | 630-530-8827 | +3 |
| | SWENSON Dale F | 630-279-6855 | |
| 512 | CALDWELL Charles R | 630-832-4663 | +3 |
| | RIGGINS L | 630-832-3341 | +3 |
| | STORMS Christina | 630-834-0213 | +3 |
| X | PLYMOUTH W | | |
| 515 | **SUNSET APTS** | | |
| 1E | BURNS Calvin Jr | 630-832-0417 | 8 |
| 1B | DAVIS John | 630-279-0470 | |
| 2D | DIGANCI Thos E | 630-617-2260 | 8 |
| 2B | GRAM Barry | 630-279-3539 | 5 |
| | HAINEY Brian | 630-530-1041 | 2 |
| 2C | KOLLER Radim | 630-279-6194 | 1 |
| | RYAN Dennis | 630-516-0407 | +3 |
| 1D | SAMSON D L | 630-834-7236 | 1 |
| 515 | | | |
| 528 | ANDERSON Brian T | 630-993-1347 | +3 |
| | ASHMAN Carol | 630-833-9213 | +3 |
| | GUERRA E | 630-833-5049 | +3 |
| | SHELTON Jacqueline M | 630-758-0952 | 2 |
| 529 | **SUNSET APTS** | | |
| 11 | ALBERTY Charles M | 630-993-1231 | 1 |
| | BETTS Sarah | 630-834-2955 | +3 |
| 2E | BETTS Scott F | 630-834-9211 | |
| 2C | CLINE Dorothy I | 630-834-1435 | 8 |
| 1D | CZERNEK E | 630-832-2758 | 7 |
| 1C | IRVING Michael | 630-833-4881 | 9 |
| 1F | LAMELA Allen R | 630-833-6475 | 5 |
| 2F | RADOICIC Danilo L | 630-833-8394 | 2 |
| | VANG Padeu | 630-833-1206 | +3 |
| 529 | | | |
| 532 | BENKE Paul B | 630-279-9140 | |
| | BORMANN Mary E | 630-782-1519 | 2 |
| | BRYANT Jennifer E | 630-516-0854 | 2 |
| | COLON Norma | 630-782-0508 | 0 |
| 536 | AUBIN Diana | 630-782-1924 | 0 |
| | CARRILLO Jose | 630-833-7905 | 9 |
| | KELLY Linda | 630-279-1326 | 2 |
| | SYRON Martin J | 630-279-9014 | 2 |
| 538 | KULIKAUSKIENE Kristina | 630-834-3447 | +3 |
| 542 | GARDNER James | 630-758-0493 | 2 |
| | PLASZEWSKI Marek | 630-279-7546 | +3 |
| 543 | **APARTMENTS** | | |
| | ALVARADO Eduardo | 630-833-8101 | +3 |
| 1B | ATTAIE Behzad | 630-993-1415 | +3 |
| | ATTAIE Behzad | 630-993-1416 | +3 |
| 1C | BALDWIN K | 630-993-1635 | +3 |
| 2E | DEVRIES Karen M | 630-833-9386 | 2 |
| | LEE Rosemary | 630-832-2167 | +3 |
| 1D | MANSURI Ruksana | 630-758-0104 | 0 |
| 2F | VERHIL Susan B | 630-833-2381 | +3 |
| 543 | | | |
| 546 | BIGAS Grazyna | 630-782-6821 | +3 |
| | CHALCAK Stanislav | 630-834-2954 | 0 |
| | LYCZEWSKI Boguslaw | 630-832-6485 | 1 |
| 550 | AKSAMIT Stanislaw F | 630-834-7807 | +3 |
| | BRKIC Dijana | 630-279-7930 | 1 |
| | HASKOVIC Jasmin | 630-941-9957 | +3 |
| | LAGUNA Mark | 630-279-0792 | 9 |
| 557 | **SUNSET APTS** | | |
| 1F | BOYER Chas D | 630-279-8955 | |
| 1D | BRATEK Rafal | 630-279-1880 | +3 |
| 2F | HANVEY Matt | 630-834-4101 | 2 |
| 2B | HENDERSON Kevin J | 630-832-1721 | 0 |
| 1A | PATHRADECHA Somchai | 630-617-5635 | 1 |
| | WALTER Jason M | 630-832-2974 | +3 |
| 557 | | | |
| 558 | HUSSAIN Baquer | 630-782-0251 | +3 |
| | KOHLER April | 630-530-2911 | +3 |
| | PAPA Laura | 630-832-6059 | +3 |
| 560 | JONES Danny R | 630-530-4645 | |
| X | SUNSET DR E | | |
| 564 | ●ALTOSINO Henry | OO | 2 |
| 584 | XXXX | OO | |
| 603 | ●MURDOCH R | 630-530-4458 | 4 |
| 604 | BUFFENMYER Luke | 630-758-0858 | 2 |
| | CRERAR Sara | 630-941-8641 | 2 |
| | GARCIA Maria S | 630-617-5723 | +3 |
| | PERDIDO Rodante | 630-279-2084 | 1 |
| 611 | PETROCZKY B | 630-833-1886 | |
| 619 | KOLLIAS Evangelos | 630-834-8486 | 0 |
| 620 | **APARTMENTS** | | |
| 7 | BEJGER Robert | 630-833-4342 | 8 |
| 8 | BUJAK Jan | 630-832-7790 | 1 |
| | BURNS Michael | 630-832-5460 | +3 |
| 5 | FRENCH William | 630-530-2409 | 5 |
| | ★ **GRAHAM ASSOCIATION SLA** | **630-530-8801** | |
| 5 | JOHNSTON Bill | 630-530-2409 | 5 |
| 6 | KNOX Robyn L | 630-758-0295 | 1 |
| | MUSGRAVE Pamela | 630-993-3764 | 2 |
| | WOODS James | 630-832-9295 | 1 |
| 620 | | | |
| 625 | XXXX | OO | |
| 627 | SIEBERT Robt H | 630-941-3225 | |
| 630 | XXXX | OO | |
| 631 | RICCHETTI Michael J Jr | 630-833-5027 | 9 |
| 635 | RUSSELL Raymond R | 630-834-7378 | 0 |
| **649** | ★ **MAJOR PRIME PLASTICS INC** | **630-834-9400** | |
| 708 | XXXX | OO | |
| **712** | ★ **ALLIED GARAGE DOOR CO** | **630-279-0842** | |

| Target Street | Cross Street | Source |
|---|---|---|
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# N ARDMORE AVE 2003



ARDMORE AV N 60181 CONT

| | | | |
|---|---|---|---|
| 714 | ★ ARDMORE AUTO SALES | 630-834-3388 | 2 |
| 724 | ★ MASTER CRAFT AUTO BODY | 630-832-8780 | |
| X | SCHILLER W | | |
| 726 | ★ AUTO RIDE CAB INC | 630-834-3000 | 0 |
| | ★ AUTO RIDE PACKAGE DELIVERY | 630-834-4323 | 1 |
| | ★ DUPAGE PRESTIGE LIMOUSINE | 630-941-3080 | 4 |
| | ★ WHEATN AUTO RIDE CAB | 630-653-2500 | |
| 736 | ★ S L S AUTOMOTIVE ENTERPRISES | 630-530-1606 | 9 |
| X | NORTH AV E | | |
| 772 | XXXX | OO | |
| 810 | ●PILATI Rainier | 630-530-0687 | |
| 824 | ●FLANDO Anthony J | 630-833-8505 | |
| 838 | XXXX | OO | |
| 890 | ●MERRILL Robert | 630-832-9423 | +3 |
| 894 | ●CARRILLO Austrebert | OO | +3 |

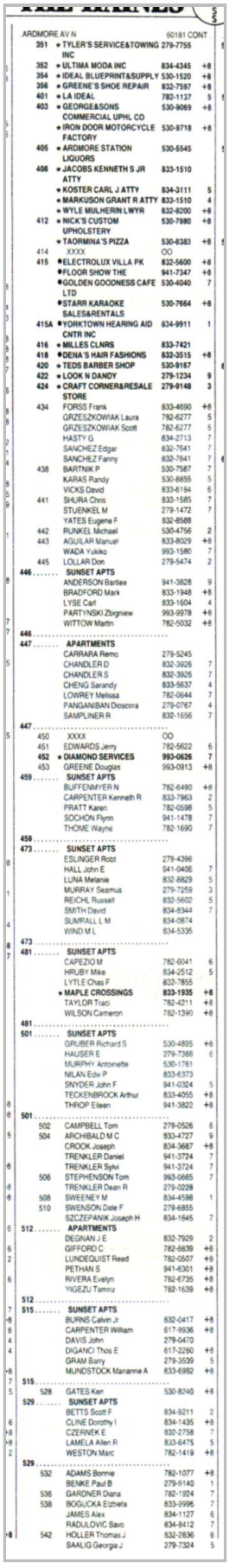
| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

## N ARDMORE AVE 1998

| | | | |
|---|---|---|---|
| 331 | KAUL Robert | 941-1565 | +8 |
| | SAKWA Mike | 782-1725 | 7 |
| 334 | HILL Paul | 834-8351 | 5 |
| | KOENIG J | 279-2190 | |
| | KOENIG L | 279-2190 | |
| | WINTER M | 279-6715 | 6 |
| 338 | BLOMQUIST Jeannie | 782-1848 | +8 |
| | GARZA Richard | 833-2105 | +8 |
| | SYDORYK Michael | 834-4606 | 2 |
| 339 | XXXX | OO | |
| X | C AND NW RR | | |
| X | E TERRACE | | |
| X | W TERRACE | | |
| 344 | * WHITE HEN PANTRY | 530-5660 | |
| 348 | XXXX | OO | |
| 349 | * UNION PACIFIC RAILROAD | 834-1919 | +8 |
| 350 | XXXX | OO | |

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|---|---|---|
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# N ARDMORE AVE 1998

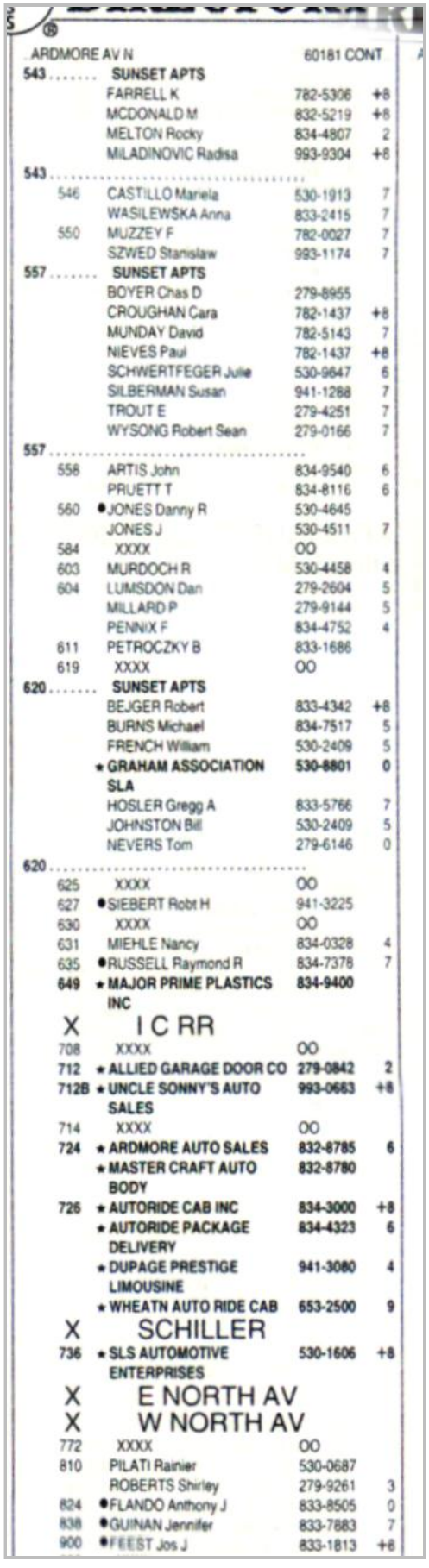


ARDMORE AV N 60181 CONT

| | | | | |
|---|---|---|---|---|
| | 351 | ★ TYLER'S SERVICE&TOWING INC | 279-7755 | |
| | 352 | ★ ULTIMA MODA INC | 834-4345 | +8 |
| | 354 | ★ IDEAL BLUEPRINT&SUPPLY | 530-1520 | +8 |
| | 356 | ★ GREENE'S SHOE REPAIR | 832-7597 | +8 |
| | 401 | ★ LA IDEAL | 782-1137 | 5 |
| | 403 | ★ GEORGE&SONS COMMERCIAL UPHL CO | 530-9069 | +8 |
| | | ★ IRON DOOR MOTORCYCLE FACTORY | 530-9718 | +8 |
| | 405 | ★ ARDMORE STATION LIQUORS | 530-5545 | |
| | 408 | ★ JACOBS KENNETH S JR ATTY | 833-1510 | |
| | | ★ KOSTER CARL J ATTY | 834-3111 | 5 |
| | | ★ MARKUSON GRANT R ATTY | 833-1510 | 4 |
| | | ★ WYLE MULHERIN LWYR | 832-9200 | +8 |
| | 412 | ★ NICK'S CUSTOM UPHOLSTERY | 530-7880 | +8 |
| | | ★ TAORMINA'S PIZZA | 530-8383 | +8 |
| | 414 | XXXX | OO | |
| | 415 | ●ELECTROLUX VILLA PK | 832-5600 | +8 |
| | | ●FLOOR SHOW THE | 941-7347 | +8 |
| | | ●GOLDEN GOODNESS CAFE LTD | 530-4040 | 7 |
| | | ●STARR KARAOKE SALES&RENTALS | 530-7664 | +8 |
| | 415A | ●YORKTOWN HEARING AID CNTR INC | 834-9911 | 1 |
| | 416 | ★ MILLES CLNRS | 833-7421 | |
| | 418 | ●DENA'S HAIR FASHIONS | 832-3515 | +8 |
| | 420 | ★ TEDS BARBER SHOP | 530-9157 | |
| | 422 | ★ LOOK N DANDY | 279-1234 | 9 |
| | 424 | ★ CRAFT CORNER&RESALE STORE | 279-9148 | 3 |
| | 434 | FORSS Frank | 833-4690 | +8 |
| | | GRZESZKOWIAK Laura | 782-6277 | 5 |
| | | GRZESZKOWIAK Scott | 782-6277 | 5 |
| | | HASTY G | 834-2713 | 7 |
| | | SANCHEZ Edgar | 832-7641 | 7 |
| | | SANCHEZ Fanny | 832-7641 | 7 |
| | 438 | BARTNIK P | 530-7587 | 7 |
| | | KARAS Randy | 530-8855 | 5 |
| | | VICKS David | 833-6194 | 6 |
| | 441 | SHURA Chris | 833-1585 | 7 |
| | | STUENKEL M | 279-1472 | 7 |
| | | YATES Eugene F | 832-8588 | |
| | 442 | RUNKEL Michael | 530-4756 | 2 |
| | 443 | AGUILAR Manuel | 833-8029 | +8 |
| | | WADA Yukiko | 993-1580 | 7 |
| | 445 | LOLLAR Don | 279-5474 | 2 |
| | 446 | **SUNSET APTS** | | |
| | | ANDERSON Bartlee | 941-3828 | 9 |
| | | BRADFORD Mark | 833-1948 | +8 |
| | | LYSE Carl | 833-1604 | 4 |
| | | PARTYNSKI Zbigniew | 993-9978 | +8 |
| | | WITTOW Martin | 782-5032 | +8 |
| | 446 | | | |
| | 447 | **APARTMENTS** | | |
| | | CARRARA Remo | 279-5245 | |
| | | CHANDLER D | 832-3926 | 7 |
| | | CHANDLER S | 832-3926 | 7 |
| | | CHENG Sarandy | 833-5637 | 4 |
| | | LOWREY Melissa | 782-0644 | 7 |
| | | PANGANIBAN Dioscora | 279-0767 | 4 |
| | | SAMPLINER R | 832-1656 | 7 |
| | 447 | | | |
| | 450 | XXXX | OO | |
| | 451 | EDWARDS Jerry | 782-5622 | 6 |
| | 452 | ★ DIAMOND SERVICES | 993-0626 | 7 |
| | 453 | GREENE Douglas | 993-0913 | +8 |
| | 459 | **SUNSET APTS** | | |
| | | BUFFENMYER N | 782-6490 | +8 |
| | | CARPENTER Kenneth R | 833-7963 | 2 |
| | | PRATT Karen | 782-0598 | 5 |
| | | SOCHON Flynn | 941-1478 | 7 |
| | | THOME Wayne | 782-1690 | 7 |
| | 459 | | | |
| | 473 | **SUNSET APTS** | | |
| | | ESLINGER Robt | 279-4396 | |
| | | HALL John E | 941-0406 | 7 |
| | | LUNA Melanie | 832-8829 | 5 |
| | | MURRAY Seamus | 279-7259 | 3 |
| | | REICHL Russell | 832-5602 | 5 |
| | | SMITH David | 834-8344 | 7 |
| | | SUMRALL L M | 834-0874 | |
| | | WIND M L | 834-5335 | |
| | 473 | | | |
| | 481 | **SUNSET APTS** | | |
| | | CAPEZIO M | 782-6041 | 6 |
| | | HRUBY Mike | 834-2512 | 5 |
| | | LYTLE Chas F | 832-7855 | |
| | | ★ MAPLE CROSSINGS | 833-1935 | +8 |
| | | TAYLOR Traci | 782-4211 | +8 |
| | | WILSON Cameron | 782-1390 | +8 |
| | 481 | | | |
| | 501 | **SUNSET APTS** | | |
| | | GRUBER Richard S | 530-4895 | +8 |
| | | HAUSER E | 279-7388 | 6 |
| | | MURPHY Antoinette | 530-1761 | |
| | | NILAN Edw P | 833-6373 | |
| | | SNYDER John F | 941-0324 | 5 |
| | | TECKENBROCK Arthur | 833-4055 | +8 |
| | | THROP Eileen | 941-3822 | +8 |
| | 501 | | | |
| | 502 | CAMPBELL Tom | 279-0526 | 6 |
| | 504 | ARCHIBALD M C | 833-4727 | 9 |
| | | CROOK Joseph | 834-3687 | +8 |
| | | TRENKLER Daniel | 941-3724 | 7 |
| | | TRENKLER Sylvi | 941-3724 | 7 |
| | 506 | STEPHENSON Tom | 993-0665 | 7 |
| | | TRENKLER Dean R | 279-0228 | |
| | 508 | SWEENEY M | 834-4598 | 1 |
| | 510 | SWENSON Dale F | 279-6855 | |
| | | SZCZEPANIK Joseph H | 834-1645 | 7 |
| | 512 | **APARTMENTS** | | |
| | | DEGNAN J E | 832-7929 | 2 |
| | | GIFFORD C | 782-6839 | +8 |
| | | LUNDEQUIST Reed | 782-0507 | +8 |
| | | PETHAN S | 941-6301 | +8 |
| | | RIVERA Evelyn | 782-6735 | +8 |
| | | YIGEZU Tamiru | 782-1639 | +8 |
| | 512 | | | |
| | 515 | **SUNSET APTS** | | |
| | | BURNS Calvin Jr | 832-0417 | +8 |
| | | CARPENTER William | 617-9936 | +8 |
| | | DAVIS John | 279-0470 | |
| | | DIGANCI Thos E | 617-2260 | +8 |
| | | GRAM Barry | 279-3539 | 5 |
| | | MUNDSTOCK Marianne A | 833-6992 | +8 |
| | 515 | | | |
| | 528 | GATES Ken | 530-8240 | +8 |
| | 529 | **SUNSET APTS** | | |
| | | BETTS Scott F | 834-9211 | 2 |
| | | CLINE Dorothy I | 834-1435 | +8 |
| | | CZERNEK E | 832-2758 | 7 |
| | | LAMELA Allen R | 833-6475 | 5 |
| | | WESTON Marc | 782-1419 | +8 |
| | 529 | | | |
| | 532 | ADAMS Bonnie | 782-1077 | +8 |
| | | BENKE Paul B | 279-9140 | 1 |
| | 536 | GARDNER Diana | 782-1924 | 7 |
| | 538 | BOGUCKA Elzbieta | 833-9996 | 7 |
| | | JAMES Alex | 834-1127 | 6 |
| | | RADULOVIC Savo | 834-8412 | 7 |
| | 542 | HOLLER Thomas J | 832-2836 | 6 |
| | | SAALIG Georgia J | 279-7324 | 5 |

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ARDMORE AV N 60181 CONT

| | | | |
|---|---|---|---|
| 543 | SUNSET APTS | | |
| | FARRELL K | 782-5306 | +8 |
| | MCDONALD M | 832-5219 | +8 |
| | MELTON Rocky | 834-4807 | 2 |
| | MILADINOVIC Radisa | 993-9304 | +8 |
| 543 | | | |
| 546 | CASTILLO Mariela | 530-1913 | 7 |
| | WASILEWSKA Anna | 833-2415 | 7 |
| 550 | MUZZEY F | 782-0027 | 7 |
| | SZWED Stanislaw | 993-1174 | 7 |
| 557 | SUNSET APTS | | |
| | BOYER Chas D | 279-8955 | |
| | CROUGHAN Cara | 782-1437 | +8 |
| | MUNDAY David | 782-5143 | 7 |
| | NIEVES Paul | 782-1437 | +8 |
| | SCHWERTFEGER Julie | 530-9647 | 6 |
| | SILBERMAN Susan | 941-1288 | 7 |
| | TROUT E | 279-4251 | 7 |
| | WYSONG Robert Sean | 279-0166 | 7 |
| 557 | | | |
| 558 | ARTIS John | 834-9540 | 6 |
| | PRUETT T | 834-8116 | 6 |
| 560 | ●JONES Danny R | 530-4645 | |
| | JONES J | 530-4511 | 7 |
| 584 | XXXX | OO | |
| 603 | MURDOCH R | 530-4458 | 4 |
| 604 | LUMSDON Dan | 279-2604 | 5 |
| | MILLARD P | 279-9144 | 5 |
| | PENNIX F | 834-4752 | 4 |
| 611 | PETROCZKY B | 833-1686 | |
| 619 | XXXX | OO | |
| 620 | SUNSET APTS | | |
| | BEJGER Robert | 833-4342 | +8 |
| | BURNS Michael | 834-7517 | 5 |
| | FRENCH William | 530-2409 | 5 |
| | ★ GRAHAM ASSOCIATION SLA | 530-8801 | 0 |
| | HOSLER Gregg A | 833-5766 | 7 |
| | JOHNSTON Bill | 530-2409 | 5 |
| | NEVERS Tom | 279-6146 | 0 |
| 620 | | | |
| 625 | XXXX | OO | |
| 627 | ●SIEBERT Robt H | 941-3225 | |
| 630 | XXXX | OO | |
| 631 | MIEHLE Nancy | 834-0328 | 4 |
| 635 | ●RUSSELL Raymond R | 834-7378 | 7 |
| 649 | ★ MAJOR PRIME PLASTICS INC | 834-9400 | |
| X | I C RR | | |
| 708 | XXXX | OO | |
| 712 | ★ ALLIED GARAGE DOOR CO | 279-0842 | 2 |
| 712B | ★ UNCLE SONNY'S AUTO SALES | 993-0663 | +8 |
| 714 | XXXX | OO | |
| 724 | ★ ARDMORE AUTO SALES | 832-8785 | 6 |
| | ★ MASTER CRAFT AUTO BODY | 832-8780 | |
| 726 | ★ AUTORIDE CAB INC | 834-3000 | +8 |
| | ★ AUTORIDE PACKAGE DELIVERY | 834-4323 | 6 |
| | ★ DUPAGE PRESTIGE LIMOUSINE | 941-3080 | 4 |
| | ★ WHEATN AUTO RIDE CAB | 653-2500 | 9 |
| X | SCHILLER | | |
| 736 | ★ SLS AUTOMOTIVE ENTERPRISES | 530-1606 | +8 |
| X | E NORTH AV | | |
| X | W NORTH AV | | |
| 772 | XXXX | OO | |
| 810 | PILATI Rainier | 530-0687 | |
| | ROBERTS Shirley | 279-9261 | 3 |
| 824 | ●FLANDO Anthony J | 833-8505 | 0 |
| 838 | ●GUINAN Jennifer | 833-7883 | 7 |
| 900 | ●FEEST Jos J | 833-1813 | +8 |

| Target Street | Cross Street | Source |
|---|---|---|
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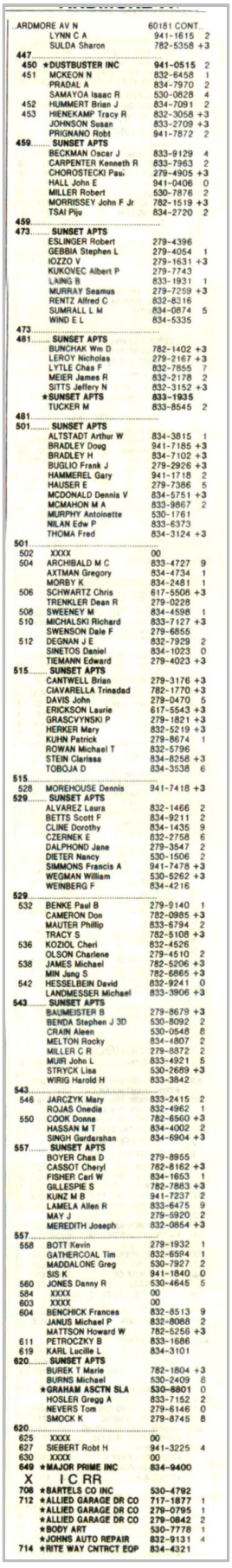
# N ARDMORE AVE 1993



| | | | |
|---|---|---|---|
| | WIESNETH Irvin | 833-6187 | 0 |
| 334 | APARTMENTS | | |
| | KEEN Martin | 832-1276 | 2 |
| | KOENIG J | 279-2190 | |
| | KOENIG L | 279-2190 | |
| | PARSONS A J | 833-1980 | |
| | SCHAUER M | 832-7511 | +3 |
| | VALENTINO Carl G | 279-7664 | 5 |
| 334 | | | |
| 338 | EVERETT Scott M | 279-3277 | +3 |
| | HOREL T | 530-5143 | 0 |
| | SYDORYK Michael | 834-4608 | 2 |
| 339 | XXXX | 00 | |
| X | C AND NW RR | | |
| X | E TERRACE | | |
| X | W TERRACE | | |
| 344 | ★WHITE HEN PANTRY | 530-5660 | |
| 348 | ★ACCURATE CAMERA RPR | 833-0813 | +3 |
| | ★DENNY&CO DCRTNG INC | 832-8448 | 2 |
| 350 | ★COZZI FRANK | 279-6661 | 1 |
| | ★STATE FARM INS AGNT | 279-6661 | 1 |
| 351 | ★TYLERS SERV&TOWING | 279-7755 | |
| 352 | ★HAIR DEPOT THE | 530-5060 | 7 |
| 354 | ★CINABS INC | 834-1714 | 1 |
| 356 | ★BLOOMBROOK INTL INC | 916-4711 | +3 |
| | ★BLOOMBROOK INTL INC | 530-5102 | +3 |
| 405 | ★ARDMORE STATION LQR | 530-5545 | |
| 408 | ★JACOBS K S JR ATTY | 833-1510 | |
| | ★JACOBS REAL ESTATE | 833-1656 | |
| | ★MARKUSON GRANT LWYR | 832-9200 | +3 |
| 412 | ★NICKS CUSTOM UPHOLS | 530-7880 | |
| | ★TAORMINAS PIZZA | 530-8383 | |
| 414 | XXXX | 00 | |
| 415 | ★IL ELECTRIC CO | 834-6999 | 2 |
| | ★J C T VIDEO | 833-8989 | 0 |
| | ★STAR CROWD MANAGMN | 782-5522 | +3 |
| A | ★YORKTOWN HEARNG AID | 834-9911 | 1 |
| 416 | ★MILLES CLNRS | 833-7421 | |
| 418 | ★DENAS HAIR FASHION | 832-3515 | |
| 420 | ★TEDS BARBER SHOP | 530-9167 | |
| 422 | ★LOOK N DANDY | 279-1234 | 9 |
| 424 | ★CRAFT CORNER&RSL | 279-9148 | +3 |
| 434 | DILWORTH E M | 832-5130 | +3 |
| | GUNDERLACH L C | 832-4827 | 9 |
| | JOHNSON Keith | 833-7618 | 1 |
| 438 | CORRIGAN Mary | 941-8563 | 9 |
| | GONZALEZ Ralph | 530-8855 | 5 |
| | MCMILLAN Donald | 530-8855 | 6 |
| | MURPHY Dan | 833-6194 | 6 |
| 441 | APARTMENTS | | |
| | ADAMS John P | 279-3319 | +3 |
| | CONROY Patrick | 782-1466 | 2 |
| | MEISSNER Robt J | 832-3513 | +3 |
| | NEWLING Scott A | 834-6417 | +3 |
| | SHURA Chris | 833-1586 | 6 |
| | YATES Eugene F | 832-8586 | 4 |
| 441 | | | |
| 442 | HODGES L M | 941-0091 | 8 |
| | REITER Amy | 832-7706 | +3 |
| | RUNKEL Michael | 530-4756 | 2 |
| 443 | VOGEL Greta | 782-5715 | +3 |
| 445 | LEE Byung Koo | 941-8012 | 2 |
| | LEE Hyon Ju | 941-8012 | |
| | LOLLAR Don | 279-5474 | 2 |
| | SCHRAM Bill | 530-5683 | 7 |
| | WAGNER J | 530-5683 | 7 |
| 446 | SUNSET APTS | | |
| | ANDERSON Bartlee | 941-3828 | 9 |
| | BECKER A | 833-1948 | 0 |
| | DEMERIS Wm A | 530-1985 | 5 |
| | DIDRICKSEN Bernard | 530-1732 | +3 |
| | MESTAN Michael | 832-3564 | +3 |
| | ★NARCO ROOFING | 782-1556 | +3 |
| | PETRACEK Robin | 941-3615 | +3 |
| | TYLER David | 782-6869 | 2 |
| | WIMBERLY Lorraine F | 832-6874 | 7 |
| 446 | | | |
| 447 | APARTMENTS | | |
| | BANGANIBAN Dioscora | 279-0767 | +3 |
| | CARRARA Remo | 279-5245 | |
| | LOAR S | 530-4305 | +3 |

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|---|---|---|
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# N ARDMORE AVE 1993



ARDMORE AV N — 60181 CONT.

LYNN C A 941-1615 2
SULDA Sharon 782-5358 +3

447

450 ★DUSTBUSTER INC 941-0515 2
451 MCKEON N 832-6458 1
PRADAL A 834-7970 2
SAMAYOA Isaac R 530-0828 4
452 HUMMERT Brian J 834-7091 2
453 HIENEKAMP Tracy R 832-3058 +3
JOHNSON Susan 833-2709 +3
PRIGNANO Robt 941-7872 2

459 SUNSET APTS
BECKMAN Oscar J 833-9129 4
CARPENTER Kenneth R 833-7963 2
CHOROSTECKI Pau 279-4905 +3
HALL John E 941-0406 0
MILLER Robert 530-7876 2
MORRISSEY John F Jr 782-1519 +3
TSAI Piju 834-2720 2

459

473 SUNSET APTS
ESLINGER Robert 279-4396
GEBBIA Stephen L 279-4054 1
IOZZO V 279-1631 +3
KUKOVEC Albert P 279-7743
LAING B 833-1931 1
MURRAY Seamus 279-7259 +3
RENTZ Alfred C 832-8316
SUMRALL L M 834-0874 5
WIND E L 834-5335

473

481 SUNSET APTS
BUNCHAK Wm D 782-1402 +3
LEROY Nicholas 279-2167 +3
LYTLE Chas F 832-7855 7
MEIER James R 832-2178 2
SITTS Jeffery N 832-3152 +3
★SUNSET APTS 833-1935
TUCKER M 833-8545 2

481

501 SUNSET APTS
ALTSTADT Arthur W 834-3815 1
BRADLEY Doug 941-7185 +3
BRADLEY H 834-7102 +3
BUGLIO Frank J 279-2926 +3
HAMMEREL Gary 941-1718 2
HAUSER E 279-7386 5
MCDONALD Dennis V 834-5751 +3
MCMAHON M A 833-9867 2
MURPHY Antoinette 530-1761
NILAN Edw P 833-6373
THOMA Fred 834-3124 +3

501

502 XXXX 00
504 ARCHIBALD M C 833-4727 9
AXTMAN Gregory 834-4734 1
MORBY K 834-2481 1
506 SCHWARTZ Chris 617-5508 +3
TRENKLER Dean R 279-0228
508 SWEENEY M 834-4598 1
510 MICHALSKI Richard 833-7127 +3
SWENSON Dale F 279-6855
512 DEGNAN J E 832-7929 2
SINETOS Daniel 834-1023 0
TIEMANN Edward 279-4023 +3

515 SUNSET APTS
CANTWELL Brian 279-3176 +3
CIAVARELLA Trinadad 782-1770 +3
DAVIS John 279-0470 5
ERICKSON Laurie 617-5543 +3
GRASCVYNSKI P 279-1821 +3
HERKER Mary 832-5219 +3
KUHN Patrick 279-8674 1
ROWAN Michael T 832-5796
STEIN Clarissa 834-8258 +3
TOBOJA D 834-3538 6

515

528 MOREHOUSE Dennis 941-7418 +3

529 SUNSET APTS
ALVAREZ Laura 832-1466 2
BETTS Scott F 834-9211 2
CLINE Dorothy 834-1435 9
CZERNEK E 832-2758 6
DALPHOND Jane 279-3547 2
DIETER Nancy 530-1506 2
SIMMONS Francis A 941-7478 +3
WEGMAN William 530-5262 +3
WEINBERG F 834-4216

529

532 BENKE Paul B 279-9140 1
CAMERON Don 782-0985 +3
MAUTER Phillip 833-6794 2
TRACY S 782-5108 +3
536 KOZIOL Cheri 832-4526
OLSON Charlene 279-4510 2
538 JAMES Michael 782-5206 +3
MIN Jung S 782-6865 +3
542 HESSELBEIN David 832-9241 0
LANDMESSER Michael 833-3906 +3

543 SUNSET APTS
BAUMEISTER B 279-8679 +3
BENDA Stephen J 3D 530-8092 2
CRAIN Aleen 530-0548 8
MELTON Rocky 834-4807 2
MILLER C R 279-8872 2
MUIR John L 833-4921 5
STRYCK Lisa 530-2689 +3
WIRIG Harold H 833-3842

543

546 JARCZYK Mary 833-2415 2
ROJAS Onedia 832-4962 1
550 COOK Donna 782-6560 +3
HASSAN M T 834-4002 2
SINGH Gurdarshan 834-6904 +3

557 SUNSET APTS
BOYER Chas D 279-8955
CASSOT Cheryl 782-8162 +3
FISHER Carl W 834-1653 1
GILLESPIE S 782-7863 +3
KUNZ M B 941-7237 2
LAMELA Allen R 833-6475 9
MAY J 279-5920 2
MEREDITH Joseph 832-0854 +3

557

558 BOTT Kevin 279-1932 1
GATHERCOAL Tim 832-6594 1
MADDALONE Greg 530-7927 2
SIS K 941-1840 0
560 JONES Danny R 530-4645 5
584 XXXX 00
603 XXXX 00
604 BENCHICK Frances 832-8513 9
JANUS Michael P 832-8068 2
MATTSON Howard W 782-5256 +3
611 PETROCZKY B 833-1686
619 KARL Lucille L 834-3101

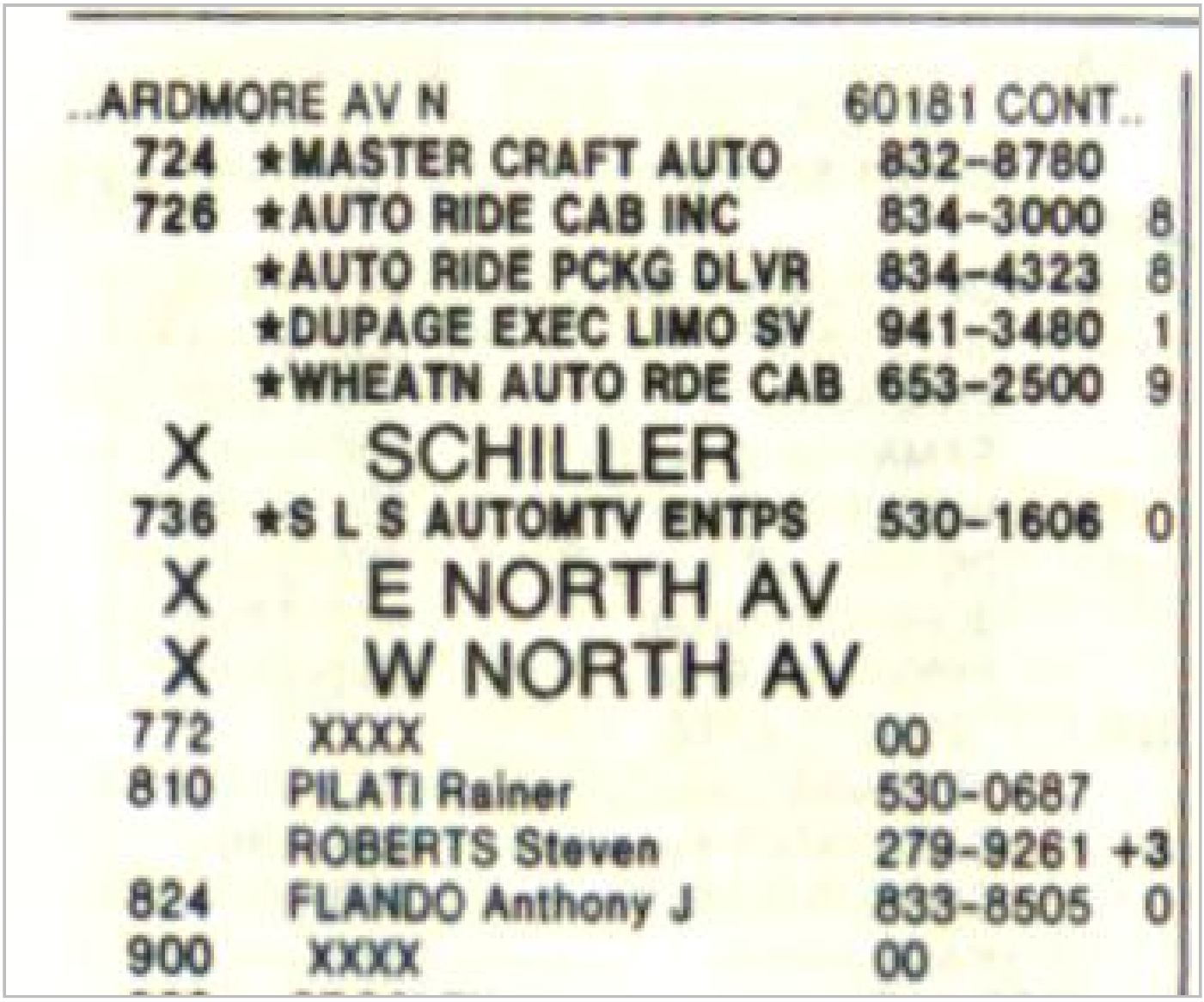
620 SUNSET APTS
BUREK T Marie 782-1804 +3
BURNS Michael 530-2409 8
★GRAHAM ASCTN SLA 530-8801 0
HOSLER Gregg A 833-7152 2
NEVERS Tom 279-6146 0
SMOCK K 279-8745 8

620

625 XXXX 00
627 SIEBERT Robt H 941-3225 4
630 XXXX 00
649 ★MAJOR PRIME INC 834-9400
X I C RR
708 ★BARTELS CO INC 530-4792
712 ★ALLIED GARAGE DR CO 717-1877 1
★ALLIED GARAGE DR CO 279-0795 1
★ALLIED GARAGE DR CO 279-0842 2
★BODY ART 530-7778 1
★JOHNS AUTO REPAIR 832-9131 4
714 ★RITE WAY CNTRCT EQP 834-4321

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..ARDMORE AV N 60181 CONT..

| | | | |
|---|---|---|---|
| 724 | *MASTER CRAFT AUTO | 832-8780 | |
| 726 | *AUTO RIDE CAB INC | 834-3000 | 8 |
| | *AUTO RIDE PCKG DLVR | 834-4323 | 8 |
| | *DUPAGE EXEC LIMO SV | 941-3480 | 1 |
| | *WHEATN AUTO RDE CAB | 653-2500 | 9 |
| X | SCHILLER | | |
| 736 | *S L S AUTOMTV ENTPS | 530-1606 | 0 |
| X | E NORTH AV | | |
| X | W NORTH AV | | |
| 772 | XXXX | 00 | |
| 810 | PILATI Rainer | 530-0687 | |
| | ROBERTS Steven | 279-9261 | +3 |
| 824 | FLANDO Anthony J | 833-8505 | 0 |
| 900 | XXXX | 00 | |

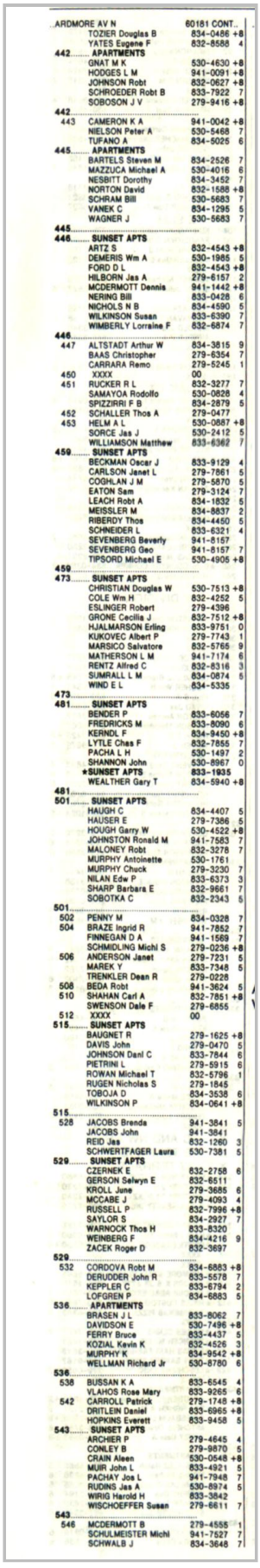
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# N ARDMORE AVE 1988

| | | | |
|---|---|---|---|
| 331 | APARTMENTS | | |
| | HANASIK Albert | 832-3247 | 5 |
| | KREMPASKY Ronald M | 279-8342 | +8 |
| | NELSON David | 832-7762 | 7 |
| | ROTH William J | 832-5102 | 6 |
| | WIESNETH Irvin | 833-8187 | 3 |
| 331 | | | |
| 334 | APARTMENTS | | |
| | BURKE M G | 834-4553 | 4 |
| | KEIL Andrew K | 279-2483 | 7 |
| | KOENIG J | 279-2190 | |
| | KOENIG L | 279-2190 | |
| | PARSONS A J | 833-1980 | |
| | VALENTINO Carl G | 279-7664 | 5 |
| 334 | | | |
| 338 | GALLO N | 941-3598 | 5 |
| | REESE Marie A | 279-6486 | |
| | SYDORYK Michael D | 833-0084 | |
| | TENORE Louie | 279-3159 | +8 |
| 339 | XXXX | 00 | |
| X | C AND NW RR | | |
| X | E TERRACE | | |
| X | W TERRACE | | |
| 344 | ★WHITE HEN PANTRY | 530-5660 | |
| 348 | ★CENTURY 21 | 833-7230 | |
| | ★CENTURY 21 PLAZA | 833-7230 | |
| | ★PLAZA REALTY INC | 833-7230 | |
| 350 | XXXX | 00 | |
| 351 | ★TYLERS SERV&TOWING | 279-7755 | |
| 352 | ★HAIR DEPOT THE | 530-5060 | 7 |
| 354 | ★GENTILE&ASSOC INC | 530-0780 | +8 |
| 356 | XXXX | 00 | |
| 401 | XXXX | 00 | |
| 405 | ★ARDMORE STATION LQR | 530-5545 | |
| 408 | ★JACOBS K S JR ATTY | 833-1510 | |
| | ★JACOBS REAL ESTATE | 833-1656 | 1 |
| 412 | ★NICKS CUSTOM UPHOLS | 530-7880 | 0 |
| | ★TAORMINAS PIZZA | 530-8383 | 0 |
| 414 | XXXX | 00 | |
| 416 | ★MILLES CLNRS | 833-7421 | 2 |
| | ★SPENCER MILLIE | 833-7421 | |
| 418 | ★DENAS HAIR FASHION | 832-3515 | |
| 420 | ★TEDS BARBER SHOP | 530-9167 | |
| 422 | ★LESCHIENS CHIC | 279-0552 | 7 |
| 424 | XXXX | 00 | |
| 434 | APARTMENTS | | |
| | CONTRERAS Milciades | 279-1882 | +8 |
| | FILLINGHAM A M | 279-2137 | 6 |
| | GRIESBAUM Lianne | 834-7890 | +8 |
| | MITCHELL David M | 833-3753 | 6 |
| | PANEY Dale A | 834-8893 | +8 |
| 434 | | | |
| 438 | APARTMENTS | | |
| | GONZALEZ Ralph | 530-8855 | 5 |
| | MANKE Richard | 833-6298 | 6 |
| | MCMILLAN Donald | 530-8855 | 6 |
| | MURPHY Dan | 833-6194 | 6 |
| | SHOAFF Tom | 833-7635 | 6 |
| | SODERBERG Jas | 832-3948 | 6 |
| 438 | | | |
| 441 | HAROOTUNIAN J | 832-0915 | 5 |
| | SHURA Chris | 833-1585 | 6 |

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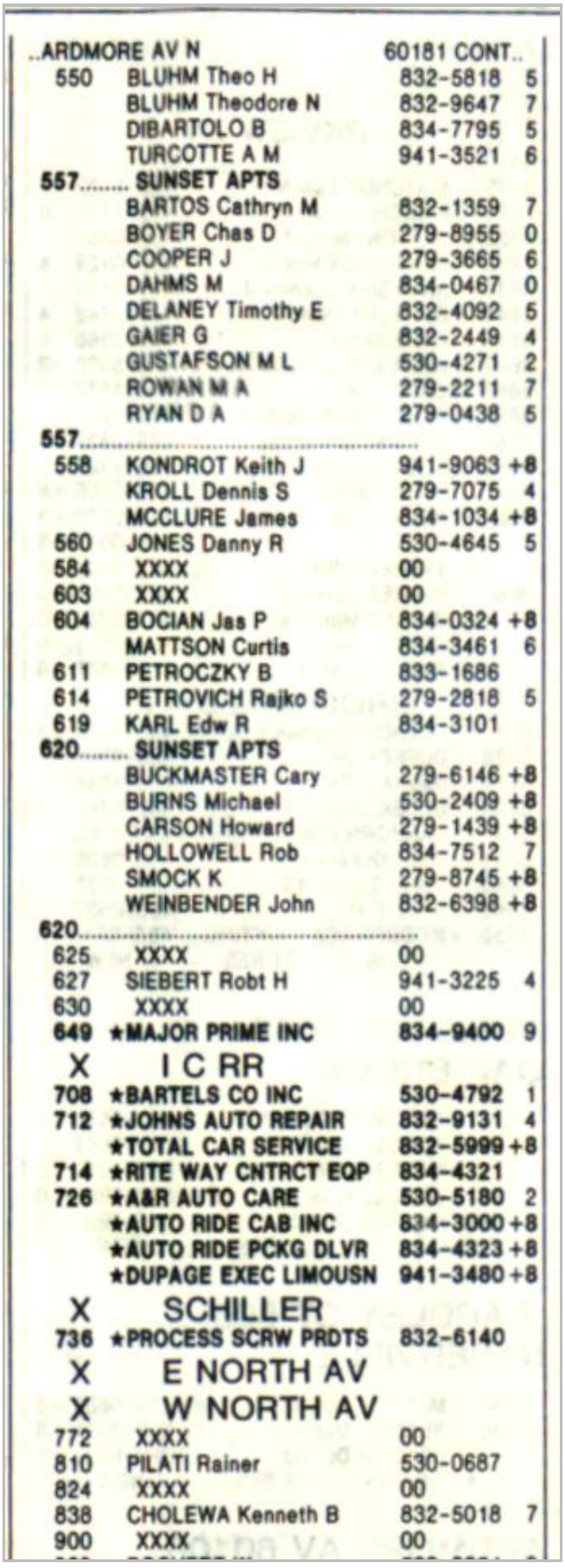


ARDMORE AV N 60181 CONT.

TOZIER Douglas B 834-0486 +8
YATES Eugene F 832-8588 4
442 APARTMENTS
GNAT M K 530-4630 +8
HODGES L M 941-0091 +8
JOHNSON Robt 832-0627 +8
SCHROEDER Robt B 833-7922 7
SOBOSON J V 279-9416 +8
442
443 CAMERON K A 941-0042 +8
NIELSON Peter A 530-5468 7
TUFANO A 834-5025 6
445 APARTMENTS
BARTELS Steven M 834-2526 7
MAZZUCA Michael A 530-4016 6
NESBITT Dorothy 834-3452 7
NORTON David 832-1588 +8
SCHRAM Bill 530-5683 7
VANEK C 834-1295 5
WAGNER J 530-5683 7
445
446 SUNSET APTS
ARTZ S 832-4543 +8
DEMERIS Wm A 530-1985 5
FORD D L 832-4543 +8
HILBORN Jas A 279-6157 2
MCDERMOTT Dennis 941-1442 +8
NERING Bill 833-0428 6
NICHOLS N B 834-4590 5
WILKINSON Susan 833-6390 7
WIMBERLY Lorraine F 832-6874 7
446
447 ALTSTADT Arthur W 834-3815 9
BAAS Christopher 279-6354 7
CARRARA Remo 279-5245 1
450 XXXX 00
451 RUCKER R L 832-3277 7
SAMAYOA Rodolfo 530-0828 4
SPIZZIRRI F B 834-2879 5
452 SCHALLER Thos A 279-0477
453 HELM A L 530-0887 +8
SORCE Jas J 530-2412 5
WILLIAMSON Matthew 833-6362 7
459 SUNSET APTS
BECKMAN Oscar J 833-9129 4
CARLSON Janet L 279-7861 5
COGHLAN J M 279-5870 5
EATON Sam 279-3124 7
LEACH Robt A 834-1832 5
MEISSLER M 834-8837 2
RIBERDY Thos 834-4450 5
SCHNEIDER L 833-6321 4
SEVENBERG Beverly 941-8157
SEVENBERG Geo 941-8157 7
TIPSORD Michael E 530-4905 +8
459
473 SUNSET APTS
CHRISTIAN Douglas W 530-7513 +8
COLE Wm H 832-4252 5
ESLINGER Robert 279-4396
GRONE Cecilia J 832-7512 +8
HJALMARSON Erling 833-9751 0
KUKOVEC Albert P 279-7743 1
MARSICO Salvatore 832-5765 9
MATHERSON L M 941-7174 6
RENTZ Alfred C 832-8316 3
SUMRALL L M 834-0874 5
WIND E L 834-5335
473
481 SUNSET APTS
BENDER P 833-6056 7
FREDRICKS M 833-8090 6
KERNDL F 834-9450 +8
LYTLE Chas F 832-7855 7
PACHA L H 530-1497 2
SHANNON John 530-8967 0
*SUNSET APTS 833-1935
WEALTHER Gary T 834-5940 +8
481
501 SUNSET APTS
HAUGH C 834-4407 5
HAUSER E 279-7386 5
HOUGH Garry W 530-4522 +8
JOHNSTON Ronald M 941-7583 7
MALONEY Robt 832-3278 7
MURPHY Antoinette 530-1761
MURPHY Chuck 279-3230 7
NILAN Edw P 833-6373 3
SHARP Barbara E 832-9661 7
SOBOTKA C 832-2343 5
501
502 PENNY M 834-0328 7
504 BRAZE Ingrid R 941-7852 7
FINNEGAN D A 941-1569 7
SCHMIDLING Michl S 279-0236 +8
506 ANDERSON Janet 279-7231 5
MAREK Y 833-7348 5
TRENKLER Dean R 279-0228
508 BEDA Robt 941-3624 5
510 SHAHAN Carl A 832-7851 +8
SWENSON Dale F 279-6855
512 XXXX 00
515 SUNSET APTS
BAUGNET R 279-1625 +8
DAVIS John 279-0470 5
JOHNSON Danl C 833-7844 6
PIETRINI L 279-5915 6
ROWAN Michael T 832-5796 1
RUGEN Nicholas S 279-1845
TOBOJA D 834-3538 6
WILKINSON P 834-0641 +8
515
528 JACOBS Brenda 941-3841 5
JACOBS John 941-3841
REID Jas 832-1260 3
SCHWERTFAGER Laura 530-7381 5
529 SUNSET APTS
CZERNEK E 832-2758 6
GERSON Selwyn E 832-6511
KROLL June 279-3685 6
MCCABE J 279-4093 4
RUSSELL P 832-7996 +8
SAYLOR S 834-2927 7
WARNOCK Thos H 833-8320
WEINBERG F 834-4216 9
ZACEK Roger D 832-3697
529
532 CORDOVA Robt M 834-6883 +8
DERUDDER John R 833-5578 7
KEPPLER C 833-6794 2
LOFGREN P 834-6883 5
536 APARTMENTS
BRASEN J L 833-8062 7
DAVIDSON E 530-7496 +8
FERRY Bruce 833-4437 5
KOZIAL Kevin K 832-4526 3
MURPHY K 834-9542 +8
WELLMAN Richard Jr 530-8780 6
536
538 BUSSAN K A 833-6545 4
VLAHOS Rose Mary 833-9265 6
542 CARROLL Patrick 279-1748 +8
DRITLEIN Daniel 833-6965 +8
HOPKINS Everett 833-9458 5
543 SUNSET APTS
ARCHER P 279-4645 4
CONLEY B 279-9870 5
CRAIN Aleen 530-0548 +8
MUIR John L 833-4921 5
PACHAY Jos L 941-7948 7
RUDINS Jas A 530-8974 5
WIRIG Harold H 833-3842
WISCHOEFFER Susan 279-6611 7
543
546 MCDERMOTT B 279-4555 1
SCHULMEISTER Michl 941-7527 7
SCHWALB J 834-3648 7

| Target Street | Cross Street | Source |
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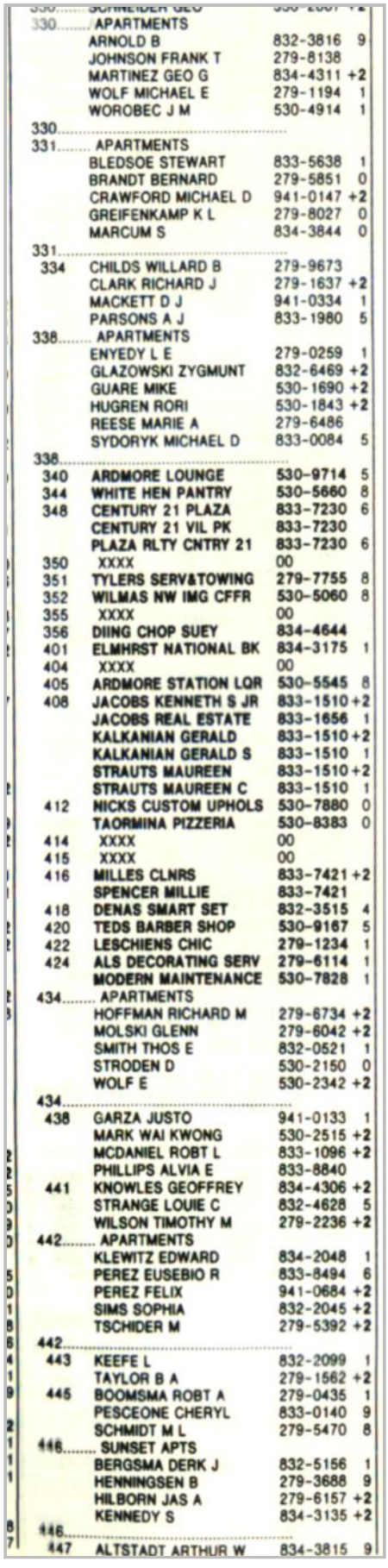


..ARDMORE AV N 60181 CONT..

| | | | |
|---|---|---|---|
| 550 | BLUHM Theo H | 832-5818 | 5 |
| | BLUHM Theodore N | 832-9647 | 7 |
| | DIBARTOLO B | 834-7795 | 5 |
| | TURCOTTE A M | 941-3521 | 6 |
| 557 | SUNSET APTS | | |
| | BARTOS Cathryn M | 832-1359 | 7 |
| | BOYER Chas D | 279-8955 | 0 |
| | COOPER J | 279-3665 | 6 |
| | DAHMS M | 834-0467 | 0 |
| | DELANEY Timothy E | 832-4092 | 5 |
| | GAIER G | 832-2449 | 4 |
| | GUSTAFSON M L | 530-4271 | 2 |
| | ROWAN M A | 279-2211 | 7 |
| | RYAN D A | 279-0438 | 5 |
| 557 | | | |
| 558 | KONDROT Keith J | 941-9063 | +8 |
| | KROLL Dennis S | 279-7075 | 4 |
| | MCCLURE James | 834-1034 | +8 |
| 560 | JONES Danny R | 530-4645 | 5 |
| 584 | XXXX | 00 | |
| 603 | XXXX | 00 | |
| 604 | BOCIAN Jas P | 834-0324 | +8 |
| | MATTSON Curtis | 834-3461 | 6 |
| 611 | PETROCZKY B | 833-1686 | |
| 614 | PETROVICH Rajko S | 279-2818 | 5 |
| 619 | KARL Edw R | 834-3101 | |
| 620 | SUNSET APTS | | |
| | BUCKMASTER Cary | 279-6146 | +8 |
| | BURNS Michael | 530-2409 | +8 |
| | CARSON Howard | 279-1439 | +8 |
| | HOLLOWELL Rob | 834-7512 | 7 |
| | SMOCK K | 279-8745 | +8 |
| | WEINBENDER John | 832-6398 | +8 |
| 620 | | | |
| 625 | XXXX | 00 | |
| 627 | SIEBERT Robt H | 941-3225 | 4 |
| 630 | XXXX | 00 | |
| 649 | ★MAJOR PRIME INC | 834-9400 | 9 |
| X | I C RR | | |
| 708 | ★BARTELS CO INC | 530-4792 | 1 |
| 712 | ★JOHNS AUTO REPAIR | 832-9131 | 4 |
| | ★TOTAL CAR SERVICE | 832-5999 | +8 |
| 714 | ★RITE WAY CNTRCT EQP | 834-4321 | |
| 726 | ★A&R AUTO CARE | 530-5180 | 2 |
| | ★AUTO RIDE CAB INC | 834-3000 | +8 |
| | ★AUTO RIDE PCKG DLVR | 834-4323 | +8 |
| | ★DUPAGE EXEC LIMOUSN | 941-3480 | +8 |
| X | SCHILLER | | |
| 736 | ★PROCESS SCRW PRDTS | 832-6140 | |
| X | E NORTH AV | | |
| X | W NORTH AV | | |
| 772 | XXXX | 00 | |
| 810 | PILATI Rainer | 530-0687 | |
| 824 | XXXX | 00 | |
| 838 | CHOLEWA Kenneth B | 832-5018 | 7 |
| 900 | XXXX | 00 | |

| Target Street | Cross Street | Source |
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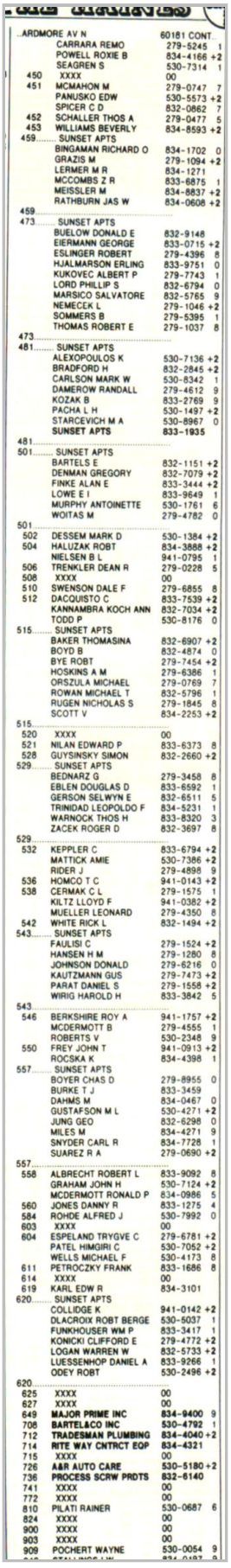
# N ARDMORE AVE 1982



| | | | |
|---|---|---|---|
| 330 | APARTMENTS | | |
| | ARNOLD B | 832-3816 | 9 |
| | JOHNSON FRANK T | 279-8138 | |
| | MARTINEZ GEO G | 834-4311 | +2 |
| | WOLF MICHAEL E | 279-1194 | 1 |
| | WOROBEC J M | 530-4914 | 1 |
| 330 | | | |
| 331 | APARTMENTS | | |
| | BLEDSOE STEWART | 833-5638 | 1 |
| | BRANDT BERNARD | 279-5851 | 0 |
| | CRAWFORD MICHAEL D | 941-0147 | +2 |
| | GREIFENKAMP K L | 279-8027 | 0 |
| | MARCUM S | 834-3844 | 0 |
| 331 | | | |
| 334 | CHILDS WILLARD B | 279-9673 | |
| | CLARK RICHARD J | 279-1637 | +2 |
| | MACKETT D J | 941-0334 | 1 |
| | PARSONS A J | 833-1980 | 5 |
| 338 | APARTMENTS | | |
| | ENYEDY L E | 279-0259 | 1 |
| | GLAZOWSKI ZYGMUNT | 832-6469 | +2 |
| | GUARE MIKE | 530-1690 | +2 |
| | HUGREN RORI | 530-1843 | +2 |
| | REESE MARIE A | 279-6486 | |
| | SYDORYK MICHAEL D | 833-0084 | 5 |
| 338 | | | |
| 340 | ARDMORE LOUNGE | 530-9714 | 5 |
| 344 | WHITE HEN PANTRY | 530-5660 | 8 |
| 348 | CENTURY 21 PLAZA | 833-7230 | 6 |
| | CENTURY 21 VIL PK | 833-7230 | |
| | PLAZA RLTY CNTRY 21 | 833-7230 | 6 |
| 350 | XXXX | 00 | |
| 351 | TYLERS SERV&TOWING | 279-7755 | 8 |
| 352 | WILMAS NW IMG CFFR | 530-5060 | 8 |
| 355 | XXXX | 00 | |
| 356 | DIING CHOP SUEY | 834-4644 | |
| 401 | ELMHRST NATIONAL BK | 834-3175 | 1 |
| 404 | XXXX | 00 | |
| 405 | ARDMORE STATION LQR | 530-5545 | 8 |
| 408 | JACOBS KENNETH S JR | 833-1510 | +2 |
| | JACOBS REAL ESTATE | 833-1656 | 1 |
| | KALKANIAN GERALD | 833-1510 | +2 |
| | KALKANIAN GERALD S | 833-1510 | 1 |
| | STRAUTS MAUREEN | 833-1510 | +2 |
| | STRAUTS MAUREEN C | 833-1510 | 1 |
| 412 | NICKS CUSTOM UPHOLS | 530-7880 | 0 |
| | TAORMINA PIZZERIA | 530-8383 | 0 |
| 414 | XXXX | 00 | |
| 415 | XXXX | 00 | |
| 416 | MILLES CLNRS | 833-7421 | +2 |
| | SPENCER MILLIE | 833-7421 | |
| 418 | DENAS SMART SET | 832-3515 | 4 |
| 420 | TEDS BARBER SHOP | 530-9167 | 5 |
| 422 | LESCHIENS CHIC | 279-1234 | 1 |
| 424 | ALS DECORATING SERV | 279-6114 | 1 |
| | MODERN MAINTENANCE | 530-7828 | 1 |
| 434 | APARTMENTS | | |
| | HOFFMAN RICHARD M | 279-6734 | +2 |
| | MOLSKI GLENN | 279-6042 | +2 |
| | SMITH THOS E | 832-0521 | 1 |
| | STRODEN D | 530-2150 | 0 |
| | WOLF E | 530-2342 | +2 |
| 434 | | | |
| 438 | GARZA JUSTO | 941-0133 | 1 |
| | MARK WAI KWONG | 530-2515 | +2 |
| | MCDANIEL ROBT L | 833-1096 | +2 |
| | PHILLIPS ALVIA E | 833-8840 | |
| 441 | KNOWLES GEOFFREY | 834-4306 | +2 |
| | STRANGE LOUIE C | 832-4628 | 5 |
| | WILSON TIMOTHY M | 279-2236 | +2 |
| 442 | APARTMENTS | | |
| | KLEWITZ EDWARD | 834-2048 | 1 |
| | PEREZ EUSEBIO R | 833-8494 | 6 |
| | PEREZ FELIX | 941-0684 | +2 |
| | SIMS SOPHIA | 832-2045 | +2 |
| | TSCHIDER M | 279-5392 | +2 |
| 442 | | | |
| 443 | KEEFE L | 832-2099 | 1 |
| | TAYLOR B A | 279-1562 | +2 |
| 445 | BOOMSMA ROBT A | 279-0435 | 1 |
| | PESCEONE CHERYL | 833-0140 | 9 |
| | SCHMIDT M L | 279-5470 | 8 |
| 446 | SUNSET APTS | | |
| | BERGSMA DERK J | 832-5156 | 1 |
| | HENNINGSEN B | 279-3688 | 9 |
| | HILBORN JAS A | 279-6157 | +2 |
| | KENNEDY S | 834-3135 | +2 |
| 446 | | | |
| 447 | ALTSTADT ARTHUR W | 834-3815 | 9 |

| Target Street | Cross Street | Source |
|---|---|---|
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# N ARDMORE AVE 1982

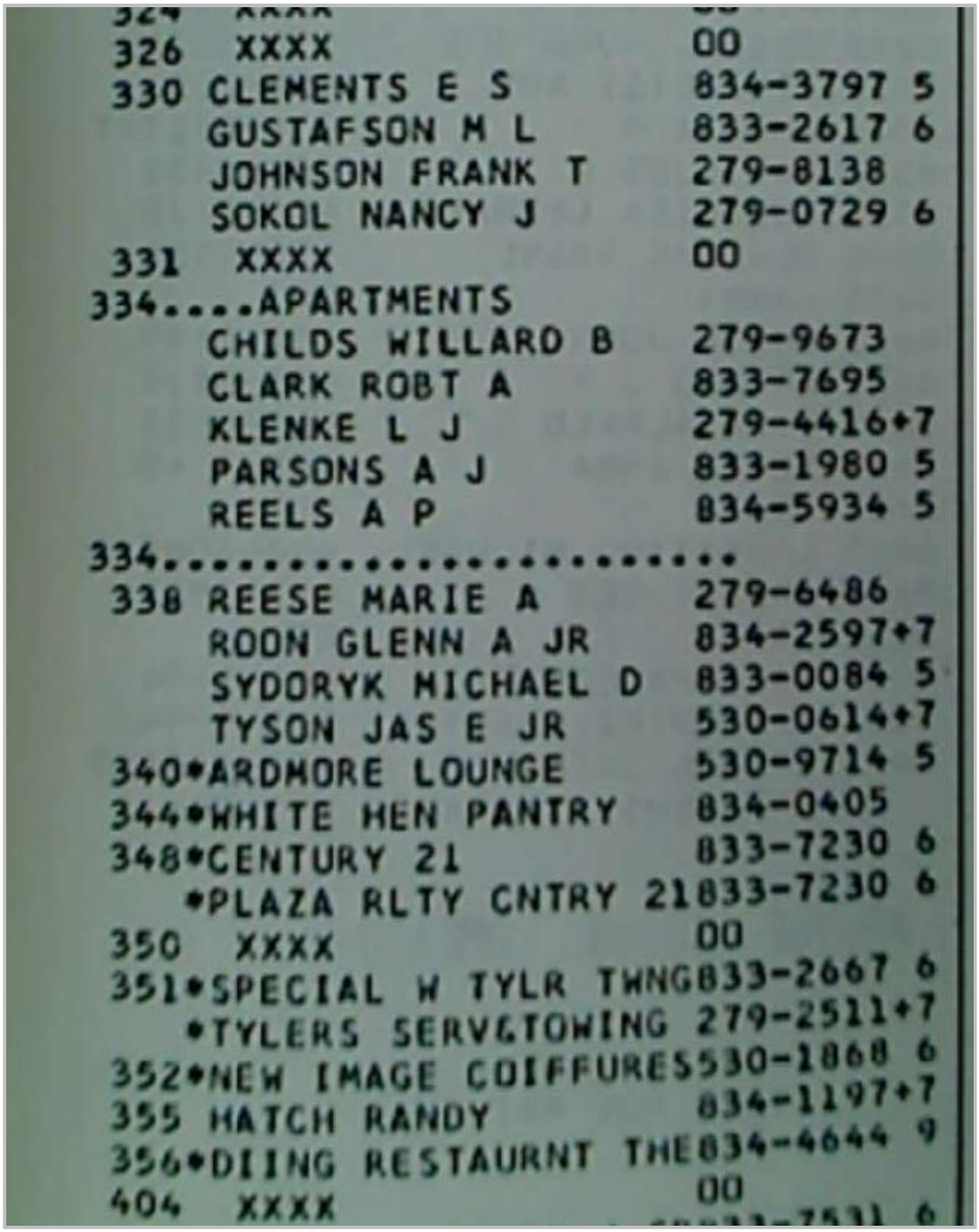


ARDMORE AV N 60181 CONT

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|---|---|---|
| | CARRARA REMO | 279-5245 1 |
| | POWELL ROXIE B | 834-4166 +2 |
| | SEAGREN S | 530-7314 1 |
| 450 | XXXX | 00 |
| 451 | MCMAHON M | 279-0747 7 |
| | PANUSKO EDW | 530-5573 +2 |
| | SPICER C D | 832-0662 7 |
| 452 | SCHALLER THOS A | 279-0477 5 |
| 453 | WILLIAMS BEVERLY | 834-8593 +2 |
| 459 | SUNSET APTS | |
| | BINGAMAN RICHARD O | 834-1702 0 |
| | GRAZIS M | 279-1094 +2 |
| | LERMER M R | 834-1271 |
| | MCCOMBS Z R | 833-6875 1 |
| | MEISSLER M | 834-8837 +2 |
| | RATHBURN JAS W | 834-0608 +2 |
| 459 | | |
| 473 | SUNSET APTS | |
| | BUELOW DONALD E | 832-9148 |
| | EIERMANN GEORGE | 833-0715 +2 |
| | ESLINGER ROBERT | 279-4396 8 |
| | HJALMARSON ERLING | 833-9751 0 |
| | KUKOVEC ALBERT P | 279-7743 1 |
| | LORD PHILLIP S | 832-6794 0 |
| | MARSICO SALVATORE | 832-5765 9 |
| | NEMECEK L | 279-1046 +2 |
| | SOMMERS B | 279-5395 1 |
| | THOMAS ROBERT E | 279-1037 8 |
| 473 | | |
| 481 | SUNSET APTS | |
| | ALEXOPOULOS K | 530-7136 +2 |
| | BRADFORD H | 832-2845 +2 |
| | CARLSON MARK W | 530-8342 1 |
| | DAMEROW RANDALL | 279-4612 9 |
| | KOZAK B | 833-2769 9 |
| | PACHA L H | 530-1497 +2 |
| | STARCEVICH M A | 530-8967 0 |
| | **SUNSET APTS** | **833-1935** |
| 481 | | |
| 501 | SUNSET APTS | |
| | BARTELS E | 832-1151 +2 |
| | DENMAN GREGORY | 832-7079 +2 |
| | FINKE ALAN E | 833-3444 +2 |
| | LOWE E I | 833-9649 1 |
| | MURPHY ANTOINETTE | 530-1761 6 |
| | WOITAS M | 279-4782 0 |
| 501 | | |
| 502 | DESSEM MARK D | 530-1384 +2 |
| 504 | HALUZAK ROBT | 834-3888 +2 |
| | NIELSEN B L | 941-0795 1 |
| 506 | TRENKLER DEAN R | 279-0228 5 |
| 508 | XXXX | 00 |
| 510 | SWENSON DALE F | 279-6855 8 |
| 512 | DACQUISTO C | 833-7539 +2 |
| | KANNAMBRA KOCH ANN | 832-7034 +2 |
| | TODD P | 530-8176 0 |
| 515 | SUNSET APTS | |
| | BAKER THOMASINA | 832-6907 +2 |
| | BOYD B | 832-4874 0 |
| | BYE ROBT | 279-7454 +2 |
| | HOSKINS A M | 279-6386 1 |
| | ORSZULA MICHAEL | 279-0769 7 |
| | ROWAN MICHAEL T | 832-5796 1 |
| | RUGEN NICHOLAS S | 279-1845 8 |
| | SCOTT V | 834-2253 +2 |
| 515 | | |
| 520 | XXXX | 00 |
| 521 | NILAN EDWARD P | 833-6373 8 |
| 528 | GUYSINSKY SIMON | 832-2660 +2 |
| 529 | SUNSET APTS | |
| | BEDNARZ G | 279-3458 8 |
| | EBLEN DOUGLAS D | 833-6592 1 |
| | GERSON SELWYN E | 832-6511 5 |
| | TRINIDAD LEOPOLDO F | 834-5231 1 |
| | WARNOCK THOS H | 833-8320 3 |
| | ZACEK ROGER D | 832-3697 8 |
| 529 | | |
| 532 | KEPPLER C | 833-6794 +2 |
| | MATTICK AMIE | 530-7386 +2 |
| | RIDER J | 279-4898 9 |
| 536 | HOMCO T C | 941-0143 +2 |
| 538 | CERMAK C L | 279-1575 1 |
| | KILTZ LLOYD F | 941-0382 +2 |
| | MUELLER LEONARD | 279-4350 8 |
| 542 | WHITE RICK L | 832-1494 +2 |
| 543 | SUNSET APTS | |
| | FAULISI C | 279-1524 +2 |
| | HANSEN H M | 279-1280 8 |
| | JOHNSON DONALD | 279-6216 0 |
| | KAUTZMANN GUS | 279-7473 +2 |
| | PARAT DANIEL S | 279-1558 +2 |
| | WIRIG HAROLD H | 833-3842 5 |
| 543 | | |
| 546 | BERKSHIRE ROY A | 941-1757 +2 |
| | MCDERMOTT B | 279-4555 1 |
| | ROBERTS V | 530-2348 9 |
| 550 | FREY JOHN T | 941-0913 +2 |
| | ROCSKA K | 834-4398 1 |
| 557 | SUNSET APTS | |
| | BOYER CHAS D | 279-8955 0 |
| | BURKE T J | 833-3459 |
| | DAHMS M | 834-0467 0 |
| | GUSTAFSON M L | 530-4271 +2 |
| | JUNG GEO | 832-6298 0 |
| | MILES M | 834-4271 9 |
| | SNYDER CARL R | 834-7728 1 |
| | SUAREZ R A | 279-0690 +2 |
| 557 | | |
| 558 | ALBRECHT ROBERT L | 833-9092 8 |
| | GRAHAM JOHN H | 530-7124 +2 |
| | MCDERMOTT RONALD P | 834-0986 5 |
| 560 | JONES DANNY R | 833-1275 4 |
| 584 | ROHDE ALFRED J | 530-7992 0 |
| 603 | XXXX | 00 |
| 604 | ESPELAND TRYGVE C | 279-6781 +2 |
| | PATEL HIMGIRI C | 530-7052 +2 |
| | WELLS MICHAEL F | 530-4173 8 |
| 611 | PETROCZKY FRANK | 833-1686 8 |
| 614 | XXXX | 00 |
| 619 | KARL EDW R | 834-3101 |
| 620 | SUNSET APTS | |
| | COLLIDGE K | 941-0142 +2 |
| | DLACROIX ROBT BERGE | 530-5037 1 |
| | FUNKHOUSER WM P | 833-3417 1 |
| | KONICKI CLIFFORD E | 279-4772 +2 |
| | LOGAN WARREN W | 832-5733 +2 |
| | LUESSENHOP DANIEL A | 833-9266 1 |
| | ODEY ROBT | 530-2496 +2 |
| 620 | | |
| 625 | XXXX | 00 |
| 627 | XXXX | 00 |
| 649 | **MAJOR PRIME INC** | **834-9400** 9 |
| 708 | **BARTEL&CO INC** | **530-4792** 1 |
| 712 | **TRADESMAN PLUMBING** | **834-4040** +2 |
| 714 | **RITE WAY CNTRCT EQP** | **834-4321** |
| 715 | XXXX | 00 |
| 726 | **A&R AUTO CARE** | **530-5180** +2 |
| 736 | **PROCESS SCRW PRDTS** | **832-6140** |
| 741 | XXXX | 00 |
| 772 | XXXX | 00 |
| 810 | PILATI RAINER | 530-0687 6 |
| 824 | XXXX | 00 |
| 900 | XXXX | 00 |
| 903 | XXXX | 00 |
| 909 | POCHERT WAYNE | 530-0054 9 |

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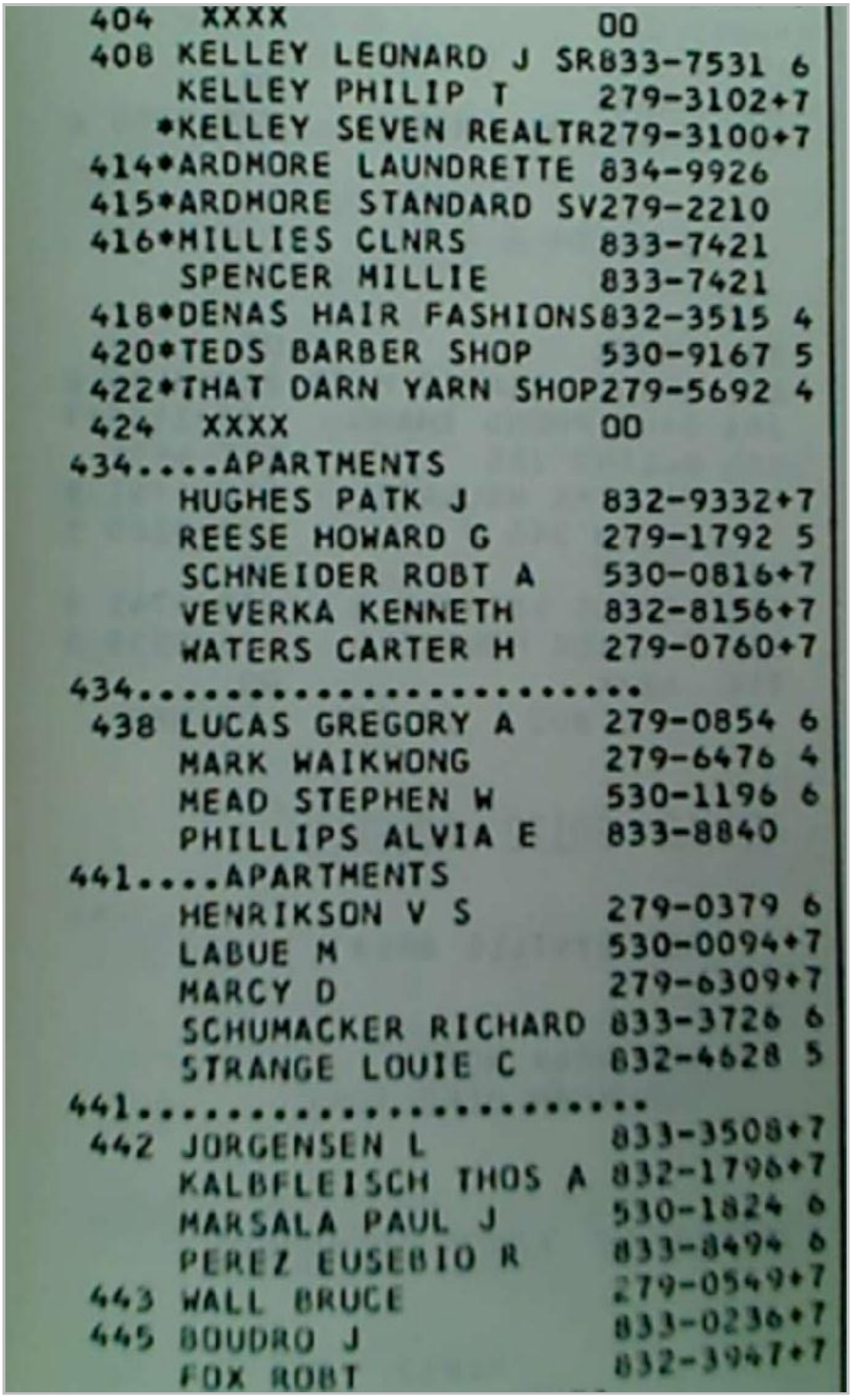
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324  XXXX                    00
326  XXXX                    00
330 CLEMENTS E S             834-3797 5
    GUSTAFSON M L            833-2617 6
    JOHNSON FRANK T          279-8138
    SOKOL NANCY J            279-0729 6
331  XXXX                    00
334....APARTMENTS
    CHILDS WILLARD B         279-9673
    CLARK ROBT A             833-7695
    KLENKE L J               279-4416+7
    PARSONS A J              833-1980 5
    REELS A P                834-5934 5
334.....
338 REESE MARIE A            279-6486
    ROON GLENN A JR          834-2597+7
    SYDORYK MICHAEL D        833-0084 5
    TYSON JAS E JR           530-0614+7
340*ARDMORE LOUNGE           530-9714 5
344*WHITE HEN PANTRY         834-0405
348*CENTURY 21               833-7230 6
   *PLAZA RLTY CNTRY 21      833-7230 6
350  XXXX                    00
351*SPECIAL W TYLR TWNG      833-2667 6
   *TYLERS SERV&TOWING       279-2511+7
352*NEW IMAGE COIFFURES      530-1868 6
355 HATCH RANDY              834-1197+7
356*DIING RESTAURNT THE      834-4644 9
404  XXXX                    00
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| Target Street | Cross Street | Source |
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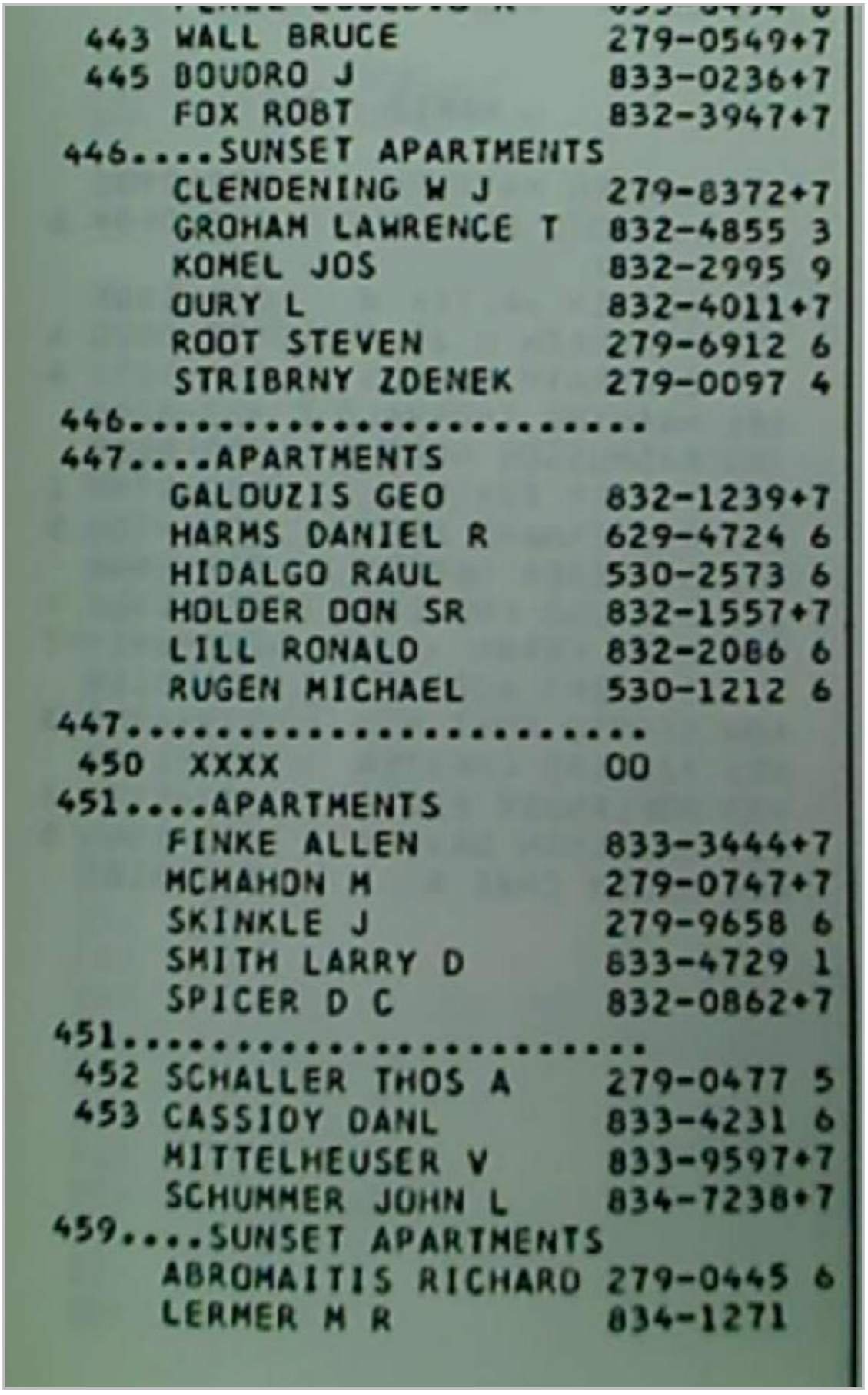
## N ARDMORE AVE 1977



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404   XXXX                      OO
408 KELLEY LEONARD J SR         833-7531 6
    KELLEY PHILIP T             279-3102+7
  *KELLEY SEVEN REALTR          279-3100+7
414*ARDMORE LAUNDRETTE          834-9926
415*ARDMORE STANDARD SV         279-2210
416*MILLIES CLNRS               833-7421
    SPENCER MILLIE              833-7421
418*DENAS HAIR FASHIONS         832-3515 4
420*TEDS BARBER SHOP            530-9167 5
422*THAT DARN YARN SHOP         279-5692 4
424   XXXX                      OO
434....APARTMENTS
    HUGHES PATK J               832-9332+7
    REESE HOWARD G              279-1792 5
    SCHNEIDER ROBT A            530-0816+7
    VEVERKA KENNETH             832-8156+7
    WATERS CARTER H             279-0760+7
434.........................
438 LUCAS GREGORY A             279-0854 6
    MARK WAIKWONG               279-6476 4
    MEAD STEPHEN W              530-1196 6
    PHILLIPS ALVIA E            833-8840
441....APARTMENTS
    HENRIKSON V S               279-0379 6
    LABUE M                     530-0094+7
    MARCY D                     279-6309+7
    SCHUMACKER RICHARD          833-3726 6
    STRANGE LOUIE C             832-4628 5
441.........................
442 JORGENSEN L                 833-3508+7
    KALBFLEISCH THOS A          832-1798+7
    MARSALA PAUL J              530-1824 6
    PEREZ EUSEBIO R             833-8494 6
443 WALL BRUCE                  279-0549+7
445 BOUDRO J                    833-0236+7
    FOX ROBT                    832-3947+7
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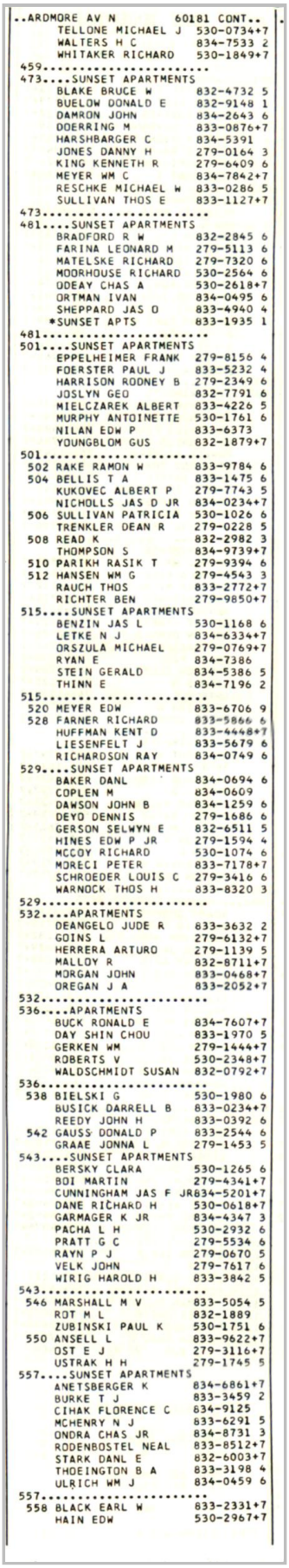
## N ARDMORE AVE 1977



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 445 BOUDRO J                  833-0236+7
     FOX ROBT                  832-3947+7
446....SUNSET APARTMENTS
     CLENDENING W J            279-8372+7
     GROHAM LAWRENCE T         832-4855 3
     KOMEL JOS                 832-2995 9
     OURY L                    832-4011+7
     ROOT STEVEN               279-6912 6
     STRIBRNY ZDENEK           279-0097 4
446.........................
447....APARTMENTS
     GALOUZIS GEO              832-1239+7
     HARMS DANIEL R            629-4724 6
     HIDALGO RAUL              530-2573 6
     HOLDER DON SR             832-1557+7
     LILL RONALO               832-2086 6
     RUGEN MICHAEL             530-1212 6
447.........................
 450  XXXX                     OO
451....APARTMENTS
     FINKE ALLEN               833-3444+7
     MCMAHON M                 279-0747+7
     SKINKLE J                 279-9658 6
     SMITH LARRY D             833-4729 1
     SPICER D C                832-0862+7
451.........................
 452 SCHALLER THOS A           279-0477 5
 453 CASSIDY DANL              833-4231 6
     MITTELHEUSER V            833-9597+7
     SCHUMMER JOHN L           834-7238+7
459....SUNSET APARTMENTS
     ABROMAITIS RICHARD        279-0445 6
     LERMER M R                834-1271
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# N ARDMORE AVE 1977



..ARDMORE AV N 60181 CONT..

TELLONE MICHAEL J 530-0734+7
WALTERS H C 834-7533 2
WHITAKER RICHARD 530-1849+7

459.....

473....SUNSET APARTMENTS
BLAKE BRUCE W 832-4732 5
BUELOW DONALD E 832-9148 1
DAMRON JOHN 834-2643 6
DOERRING M 833-0876+7
HARSHBARGER C 834-5391
JONES DANNY H 279-0164 3
KING KENNETH R 279-6409 6
MEYER WM C 834-7842+7
RESCHKE MICHAEL W 833-0286 5
SULLIVAN THOS E 833-1127+7

473.....

481....SUNSET APARTMENTS
BRADFORD R W 832-2845 6
FARINA LEONARD M 279-5113 6
MATELSKE RICHARD 279-7320 6
MOORHOUSE RICHARD 530-2564 6
ODEAY CHAS A 530-2618+7
ORTMAN IVAN 834-0495 6
SHEPPARD JAS D 833-4940 4
*SUNSET APTS 833-1935 1

481.....

501....SUNSET APARTMENTS
EPPELHEIMER FRANK 279-8156 4
FOERSTER PAUL J 833-5232 4
HARRISON RODNEY B 279-2349 6
JOSLYN GEO 832-7791 6
MIELCZAREK ALBERT 833-4226 5
MURPHY ANTOINETTE 530-1761 6
NILAN EDW P 833-6373
YOUNGBLOM GUS 832-1879+7

501.....

502 RAKE RAMON W 833-9784 6
504 BELLIS T A 833-1475 6
KUKOVEC ALBERT P 279-7743 5
NICHOLLS JAS D JR 834-0234+7
506 SULLIVAN PATRICIA 530-1026 6
TRENKLER DEAN R 279-0228 5
508 READ K 832-2982 3
THOMPSON S 834-9739+7
510 PARIKH RASIK T 279-9394 6
512 HANSEN WM G 279-4543 3
RAUCH THOS 833-2772+7
RICHTER BEN 279-9850+7

515....SUNSET APARTMENTS
BENZIN JAS L 530-1168 6
LETKE N J 834-6334+7
ORSZULA MICHAEL 279-0769+7
RYAN E 834-7386
STEIN GERALD 834-5386 5
THINN E 834-7196 2

515.....

520 MEYER EDW 833-6706 9
528 FARNER RICHARD 833-5866 6
HUFFMAN KENT D 833-4448+7
LIESENFELT J 833-5679 6
RICHARDSON RAY 834-0749 6

529....SUNSET APARTMENTS
BAKER DANL 834-0694 6
COPLEN M 834-0609
DAWSON JOHN B 834-1259 6
DEYO DENNIS 279-1686 6
GERSON SELWYN E 832-6511 5
HINES EDW P JR 279-1594 4
MCCOY RICHARD 530-1074 6
MORECI PETER 833-7178+7
SCHROEDER LOUIS C 279-3416 6
WARNOCK THOS H 833-8320 3

529.....

532....APARTMENTS
DEANGELO JUDE R 833-3632 2
GOINS L 279-6132+7
HERRERA ARTURO 279-1139 5
MALLOY R 832-8711+7
MORGAN JOHN 833-0468+7
OREGAN J A 833-2052+7

532.....

536....APARTMENTS
BUCK RONALD E 834-7607+7
DAY SHIN CHOU 833-1970 5
GERKEN WM 279-1444+7
ROBERTS V 530-2348+7
WALDSCHMIDT SUSAN 832-0792+7

536.....

538 BIELSKI G 530-1980 6
BUSICK DARRELL B 833-0234+7
REEDY JOHN H 833-0392 6
542 GAUSS DONALD P 833-2544 6
GRAAE JONNA L 279-1453 5

543....SUNSET APARTMENTS
BERSKY CLARA 530-1265 6
BOI MARTIN 279-4341+7
CUNNINGHAM JAS F JR 834-5201+7
DANE RICHARD H 530-0618+7
GARMAGER K JR 834-4347 3
PACHA L H 530-2932 6
PRATT G C 279-5534 6
RAYN P J 279-0670 5
VELK JOHN 279-7617 6
WIRIG HAROLD H 833-3842 5

543.....

546 MARSHALL M V 833-5054 5
ROT M L 832-1889
ZUBINSKI PAUL K 530-1751 6
550 ANSELL L 833-9622+7
OST E J 279-3116+7
USTRAK H H 279-1745 5

557....SUNSET APARTMENTS
ANETSBERGER K 834-6861+7
BURKE T J 833-3459 2
CIHAK FLORENCE C 834-9125
MCHENRY N J 833-6291 5
ONDRA CHAS JR 834-8731 3
RODENBOSTEL NEAL 833-8512+7
STARK DANL E 832-6003+7
THOEINGTON B A 833-3198 4
ULRICH WM J 834-0459 6

557.....

558 BLACK EARL W 833-2331+7
HAIN EDW 530-2967+7

| Target Street | Cross Street | Source |
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## N ARDMORE AVE 1977

..ARDMORE AV N 60181 CONT..

| | | | |
|---|---|---|---|
| | MCDERMOTT RONALD P | 834-0986 | 5 |
| | VANCE S L | 530-2082 | 6 |
| 560 | JONES DANNY R | 833-1275 | 4 |
| 603 | HENNINGS IRVING F | 834-7492 | 2 |
| 604 | HANSON E V | 833-3411 | 1 |
| | PETERMAN ANTHONY | 833-6874 | 4 |
| | VOSS ELMER C | 279-4744 | 2 |
| 611 | KEDZIOR ROBT I | 279-1492 | 2 |
| 614 | XXXX | OO | |
| 619 | KARL EDW R | 834-3101 | |
| 620 | BEVAN L M | 279-8498 | 6 |
| | GARCIA CELESTINO | 832-5206+7 | |
| | LOPEZ JOSE L | 832-9295+7 | |
| 625 | XXXX | OO | |
| 627 | XXXX | OO | |
| 649 | XXXX | OO | |
| 708 | *BARTELS CO | 834-1523 | 9 |
| 712 | *DUPAGE DRYWALL CO | 279-4242 | 3 |
| | *ROY L RENTALS | 832-3460 | 3 |
| 714 | *RITE WAY CNTRCT EQP | 834-4321 | 9 |
| 715 | XXXX | OO | |
| 726 | XXXX | OO | |
| 736 | *PROCESS SCRW PRDTS | 832-6140 | |
| 741 | XXXX | OO | |
| 810 | PILATI RAINIER | 530-0687 | 6 |
| 824 | SALEK JAS T | 834-0267 | 5 |
| 900 | XXXX | OO | |
| 903 | OWENS JOHN T | 833-0049 | 5 |

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# N ARDMORE AVE 1971

| | | |
|---|---|---|
| | 326 HARASS WM M | 834-5744 |
| | 330 CIKOWSKI ROBT W | 834-8519 |
| | JOHNSON FRANK T | 279-8138 |
| | MANCINI JAS C | 833-1117+1 |
| | MAY STEVEN J | 279-1310 0 |
| | NIPPERT ROY A | 279-5061 0 |
| | 334 BRUECKS D | 279-2862 0 |
| | CHILDS WILLARD B | 279-9673 |
| | CLARK ROBT A | 833-7695 |
| | PARSONS ANN | 833-1980 |
| | STIGNER JOHN T | 834-4741+1 |
| | STONE JEFFREY L | 279-3761+1 |
| | 338 BARNHART PHILLIP A | 834-3811 0 |
| | BURCH L S | 833-3468+1 |
| | DEWITT GEO M | 279-6146 0 |
| | KEPPNER VIRGINIA A | 833-7586 |
| | REESE MARIE A | 279-6486 |
| | 344*WHITE HEN PANTRY | 834-0405 |
| | 348*PALMER&SMITH RL EST | 833-7230 0 |
| | 350 SEIDLER KENNETH W | 834-5511 0 |
| | 351*TYLERS CITGO | 279-7755+1 |
| | 352*LADY FAIR BTY SALN | 279-3210 0 |
| | 356*DIING RESTAURANT | 834-4893+1 |
| | *DIING RESTAURNT THE | 834-4644 0 |
| | 404 ADKINS ROBT N | 279-7035+1 |
| | 408 BOCKMIER JOHN R | 834-4593+1 |
| | 414*ARDMORE LAUNDRETTE | 834-9926 |
| | 415*ARDMORE STANDARD SV | 279-2210 |
| | 416*MILLIES CLNRS | 833-7421 |
| | SPENCER MILLIE | 833-7421 |
| | 418*SMART SET HAIR FSHN | 832-3515 |
| | 420*TEDS BARBER SHOP | 834-9967 |
| | 424*BENEFICIAL TAX SERV | 832-5180+1 |
| | *CERWIN PIPER ASSOC | 833-7400+1 |
| | 434 CROCKER CHERYL | 833-3975+1 |
| | CUNNINGHAM DAVID M | 833-2920+1 |
| | HANSON DONALD H | 832-0604 |
| | HELLMANN ROBT F | 279-7826+1 |
| | LOTHSON DAVID J | 834-0231 0 |
| | NELSON ROY W | 834-7499 |
| | 438 ADAMS C L | 279-9324+1 |
| | PHILLIPS ALVIA E | 833-8840 |
| | REED THOS E | 832-2061+1 |
| | 441 BERG DANL F | 833-4936+1 |
| | OWINGS ROBT S | 279-1094+1 |
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| | DIEBOLD PHILIP K | 279-7632+1 |
| | MILLER J | 834-4090+1 |
| | REYNOLDS LEONARD T | 832-8344 |
| | 443 BOLAND FRANK T | 833-4738+1 |
| | EDGAR JANICE A | 833-7052+1 |
| | SHANKLETON D R | 279-1345+1 |
| | 446 SUNSET APARTMENTS | |
| | GABRIEL JOS J | 833-7027+1 |
| | HARBUTT DEAN | 833-1727 0 |
| | HERMANN ROBT J | 833-4234+1 |
| | KOMEL JOS | 832-2995 0 |
| | LAUER RONALD M | 833-4294+1 |
| | MARTEN J | 279-3411+1 |
| | MYSLICKI LAUREN | 833-3623+1 |
| | REVITTE B | 834-6882 0 |
| | STANARD RICHARD D | 833-4294+1 |
| | VERNETTI C | 279-3411+1 |
| | 447 GRIEVE MADELEINE J | 833-2560+1 |
| | MICKEY JAS H | 833-4755+1 |
| | 450 GALLAWAY DONALD E | 279-8089 |
| | *SHAMROCK REAL EST | 279-2177+1 |
| | 451 CUYJET GREGORY G | 279-3082+1 |
| | SHEU FRANK C | 279-4134+1 |
| | SMITH LARRY D | 833-4729+1 |
| | 453 CAMPBELL BIGE | 279-1438+1 |
| | KNOX HENRY | 834-5449+1 |
| | MINKS FRANCINE | 833-3563+1 |
| | VARISCO JOS E | 833-4297+1 |
| | 459 SUNSET APARTMENTS | |
| | EAGAN MICHAEL D | 833-4335+1 |
| | HOLMEIDE WM C | 279-9847+1 |
| | JACKSON GARY L | 833-3287+1 |
| | KEEL J DALE | 279-8708 |
| | LERMER M R | 834-1271 |
| | NOTTKE PAUL R | 279-8285+1 |
| | OCONNOR THOS J | 279-5510+1 |
| | SELMISTRAITIS K | 833-4574+1 |
| | WALTERS H C | 834-7533+1 |
| | WILSON LUDOLPH J | 833-1972+1 |
| | 473 BUELOW DONALD E | 832-9148+1 |
| | DESPINS THOS J | 832-7146 |
| | EYRE E J | 832-1294+1 |
| | HARSHBARGER C | 834-5391 |
| | JANTZEN E | 833-8273+1 |
| | LEDOUX BERNARD I | 834-6868+1 |

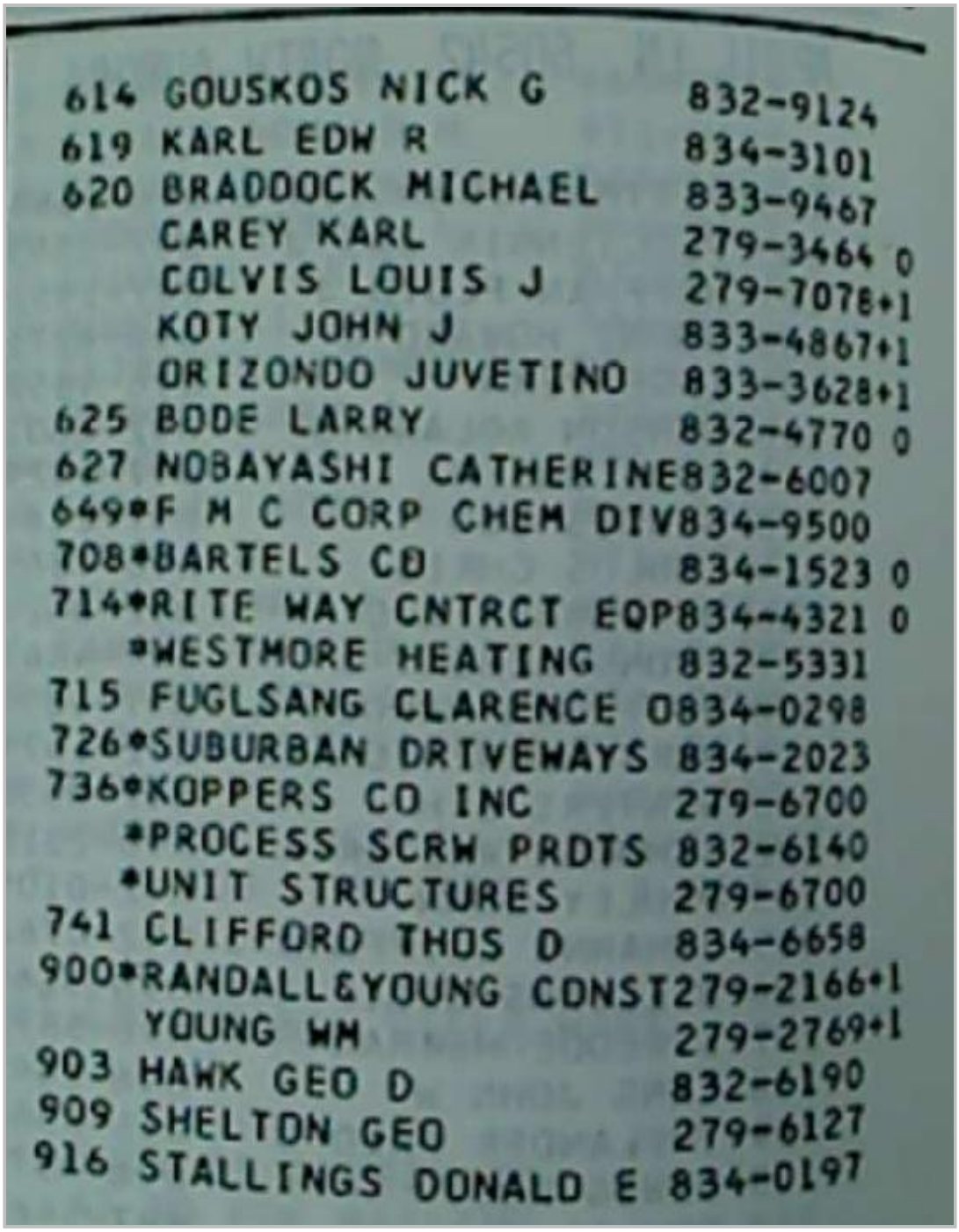
| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

# N ARDMORE AVE 1971

| | | |
|---|---|---|
| | ROGERS JOHN S | 832-5407+1 |
| | WRIGHT PAUL THOS | 834-2327 0 |
| 481 | SUNSET APARTMENTS | |
| | BLOUGH VERA | 833-7867 |
| | BROOKS RICHARD H | 279-1487+1 |
| | IRBE JOHN D | 833-9807+1 |
| | KLOCKENGA DALE E | 833-8092 |
| | LUND JAS B | 279-9316+1 |
| | PURCELL A | 832-5708 0 |
| | REMEC MARGARET | 279-8844+1 |
| | SAMUEL SHARON | 833-9574 0 |
| | SHADDLE RICHARD B | 834-2745+1 |
| | *SUNSET APTS | 833-1935+1 |
| | WARNOCK THOS H | 833-8320 |
| 501 | SUNSET APARTMENTS | |
| | BECK DAVID N | 279-6054 1 |
| | BOURNE KEVIN J | 833-3419+1 |
| | FREDERICK ROBT A | 834-0522 0 |
| | GERFEN DAVID B | 279-3473 0 |
| | KOLANCHICK MAURICE | 279-4462+1 |
| | MCLAREN ROBT D | 833-6553+1 |
| | NELSON STERLING B | 832-3423 0 |
| | NEURAUTER JOSEPHINE | 832-7464 0 |
| | NILAN EDW P | 833-6373 |
| | OTTO FRANK L | 279-9232 0 |
| | RICHARDS ROBT E | 279-6638+1 |
| | *SHEDD MARKETING | 833-6373+1 |
| | SMITH JERRY D | 279-1699 |
| 502 | CHRISTIE DAVID G | 834-0731+1 |
| 504 | BLAGBURN ROBT G | 834-5380 |
| | BOROS P | 833-4869+1 |
| | GILLESPIE R | 279-1768 0 |
| | PANOSH M | 279-1768 0 |
| | SCHOPA L A | 833-4869+1 |
| 506 | CHRISTOPOULOS T | 833-2758+1 |
| | DIRENZO RICHARD A | 833-6709 |
| | GERBRECHT ARNOE | 832-4511 0 |
| 508 | MILLS KENNETH R | 834-4586+1 |
| | STAHL N B | 279-4960+1 |
| 512 | LIETZ BARBARA MRS | 279-3929+1 |
| 515 | APARTMENT | |
| | BELLEI RONALD G | 834-3383 0 |
| | BILLINGS DOUGLAS | 834-0418 0 |
| | BROTEN HAROLD E | 279-3247 0 |
| | HATCHER CECIL D | 279-3247 0 |
| | HATFIELD WM H | 833-3843+1 |
| | REECE J | 279-7840 |
| | RYAN E | 834-7386 |
| | SCHALLER THOS A | 279-8543+1 |
| | SMITH RICHARD D | 832-0715+1 |
| 528 | COLLINS RAY F | 279-3321 0 |
| | RIEDESEL C V | 279-8167+1 |
| | STEFANSKI GERALD | 832-5315 |
| | THOMAS ROBT J | 279-2153 0 |
| 529 | SUNSET APARTMENTS | |
| | BLAHNIK MARIDELLE | 833-6554+1 |
| | COPLEN M | 834-0609 |
| | DUFFY D A | 834-6845+1 |
| | GAUGER L W | 279-5878+1 |
| | LOPATKA ROBT M | 279-6683+1 |
| | MORAHAN FRANCIS | 279-9553 0 |
| | PRAH ROBT L | 832-0277+1 |
| | SCHUMACHER BENJ A | 832-9390 0 |
| | SCHWARTZ NORMAN L | 833-9122+1 |
| | SPARKS EMMA L | 832-0192+1 |
| 532 | JONES TERRY R | 833-9284+1 |
| | MURPHY THOS D JR | 832-2728 0 |
| | ROSSI DAVID F | 832-4820 0 |
| 536 | DAVIS L | 279-1958+1 |
| | DUSTAN PARKER | 832-3041 |
| | KICKHOFFER HARLAN G | 832-5154 0 |
| | MARTIN ROGER | 834-0722+1 |
| | PRYOR ROBT J JR | 834-7835 0 |
| | SMITH E | 279-1958+1 |
| | SUBJECT ANDREW D | 832-2384+1 |
| 538 | CHRISTOFFER ALFRED | 834-0331 |
| | GERKEN WM | 279-1444+1 |
| | JOHNSON ROBT E | 833-4590+1 |
| | PETERSON E MARK | 832-7915 |
| | SHALDA JAS G JR | 833-3538+1 |
| 542 | BREITAG LAWRENCE W | 833-7468 |
| | HEIL DARREL | 279-4251+1 |
| | REESE HOWARD G | 279-1792+1 |
| | TITO DOMIC | 832-4947+1 |
| 543 | BETLINSKI C | 832-0377 0 |
| | COSTENARO ROBT J | 833-4588+1 |
| | CRANE DENNIS L | 279-4859+1 |
| | EMRICH JOHN | 832-1528+1 |
| | *HAYNES CONCRT CONST | 279-8832 0 |
| | JOYCE BRIAN E | 833-1798+1 |
| | MARTIN V M | 833-8655+1 |
| | PERTL ROBT L | 279-9885 |
| | ZYLSTRA GEO | 279-9769+1 |
| 546 | BROSHAR RAYMOND E | 832-7917 0 |
| | DEAL JOS E | 833-2217 |
| | ROT M L | 832-1889 |
| | SHKREDKA LULA F | 279-3685+1 |
| | SIEBOLDS JOHN R | 833-4096+1 |
| | STON ROGER L | 279-7842+1 |
| 550 | GRAMS ROGER A | 833-7952 |
| | MORGAN JOHN RICHARD | 279-7379 |
| | OBERSTE DAVID R | 279-5839 0 |
| | PESOLA WM N | 834-4250+1 |
| | VOSS RAYMOND JR | 832-4133 0 |
| 557 | APARTMENT | |
| | CANTER J R | 834-0807+1 |
| | CIHAK FLORENCE C | 834-9125 |
| | CIHAK JAN LEE E | 834-9125 |
| | EVANS THOS D | 833-4494+1 |
| | FAVIA ROCCO F | 833-1487 |
| | FINA C A | 279-3762+1 |
| | GARCIA SABASTIAN | 279-9742 |
| | JONES DAVID R | 833-7483+1 |
| | MERKLE STEVEN | 279-3978+1 |
| | ORCUTT V A | 279-3762+1 |
| | SANDERS NORMAN F | 832-3715 0 |
| | STOKES RONALD L | 279-6876+1 |
| | THOEINGTON B A | 833-3198+1 |
| 558 | LANDEN WM L | 834-2413 0 |
| | LEARAKOS DEMETRIOS | 279-2242 |
| | SKURAUSKIS MICHAEL | 833-2943+1 |
| 604 | HANSON GEO H | 833-3411+1 |
| | NESTERUK NICK | 833-9655 |
| | WENK WM R | 833-8919 |
| 611 | HOLLANDER P A | 832-8774 |

| Target Street | Cross Street | Source |
|---|---|---|
| ✓ | - | Haines Criss-Cross Directory |

## N ARDMORE AVE 1971



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614 GOUSKOS NICK G          832-9124
619 KARL EDW R              834-3101
620 BRADDOCK MICHAEL        833-9467
    CAREY KARL              279-3464 0
    COLVIS LOUIS J          279-7078+1
    KOTY JOHN J             833-4867+1
    ORIZONDO JUVETINO       833-3628+1
625 BODE LARRY              832-4770 0
627 NOBAYASHI CATHERINE     832-6007
649*F M C CORP CHEM DIV     834-9500
708*BARTELS CO              834-1523 0
714*RITE WAY CNTRCT EQP     834-4321 0
   *WESTMORE HEATING        832-5331
715 FUGLSANG CLARENCE O     834-0298
726*SUBURBAN DRIVEWAYS       834-2023
736*KOPPERS CO INC           279-6700
   *PROCESS SCRW PRDTS      832-6140
   *UNIT STRUCTURES         279-6700
741 CLIFFORD THOS D         834-6658
900*RANDALL&YOUNG CONST      279-2166+1
    YOUNG WM                279-2769+1
903 HAWK GEO D              832-6190
909 SHELTON GEO             279-6127
916 STALLINGS DONALD E      834-0197
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**Villa Park Streetscape Project**
344-726 N ARDMORE AVE
Villa Park, IL 60181

Inquiry Number: 3485323.3
December 31, 2012

# Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

# Certified Sanborn® Map Report

12/31/12

**Site Name:**
Villa Park Streetscape Project
344-726 N ARDMORE AVE
Villa Park, IL 60181

**Client Name:**
V3 Companies of IL, LTD
7325 Janes Avenue
Woodridge, IL 60517

EDR Inquiry # 3485323.3

Contact: Margie Lathrop

EDR® Environmental Data Resources Inc

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## *Certified Sanborn Results:*

**Site Name:** Villa Park Streetscape Project
**Address:** 344-726 N ARDMORE AVE
**City, State, Zip:** Villa Park, IL 60181
**Cross Street:**
**P.O. #** 12172 N31
**Project:** Villa Park Streetscape Project
**Certification #** D096-43D0-AA5D

Sanborn® Library search results
Certification # D096-43D0-AA5D

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- ☑ Library of Congress
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**Villa Park Streetscape Project**
344-726 N ARDMORE AVE
Villa Park, IL 60181

Inquiry Number: 3485323.4
January 02, 2013

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Milford, CT 06461
800.352.0050
www.edrnet.com

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***Thank you for your business.***
Please contact EDR at 1-800-352-0050
with any questions or comments.

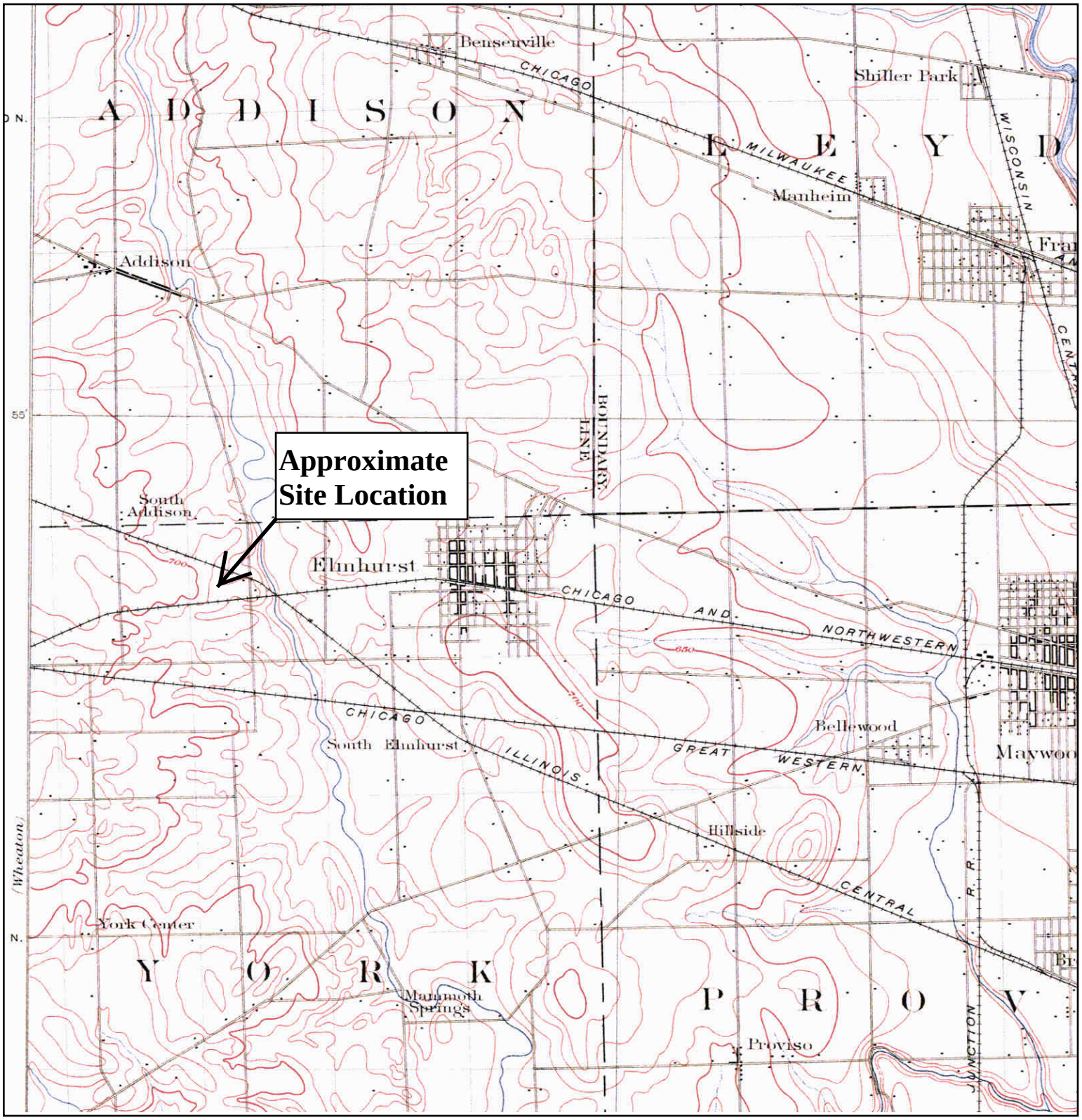

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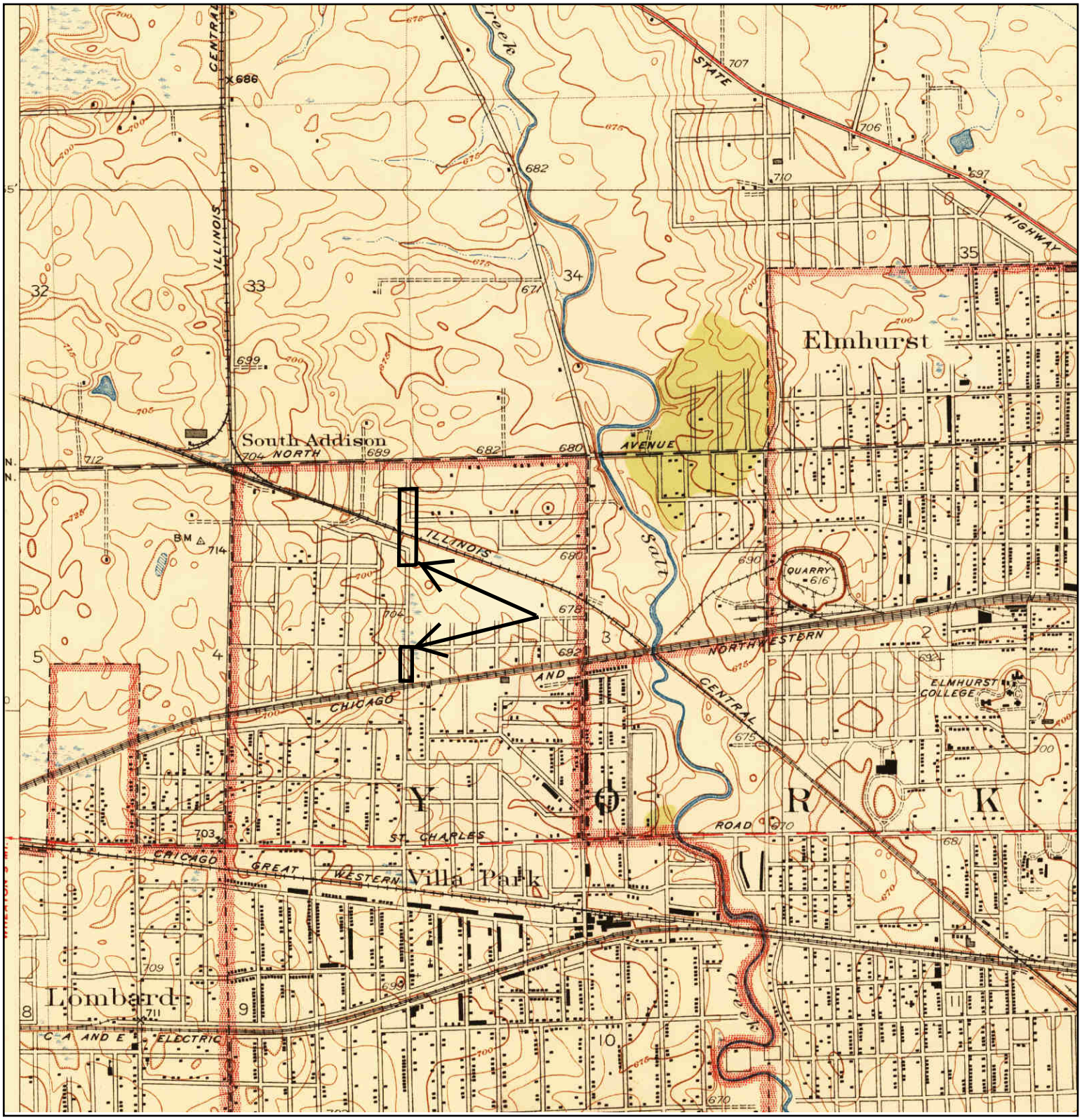
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# Historical Topographic Map



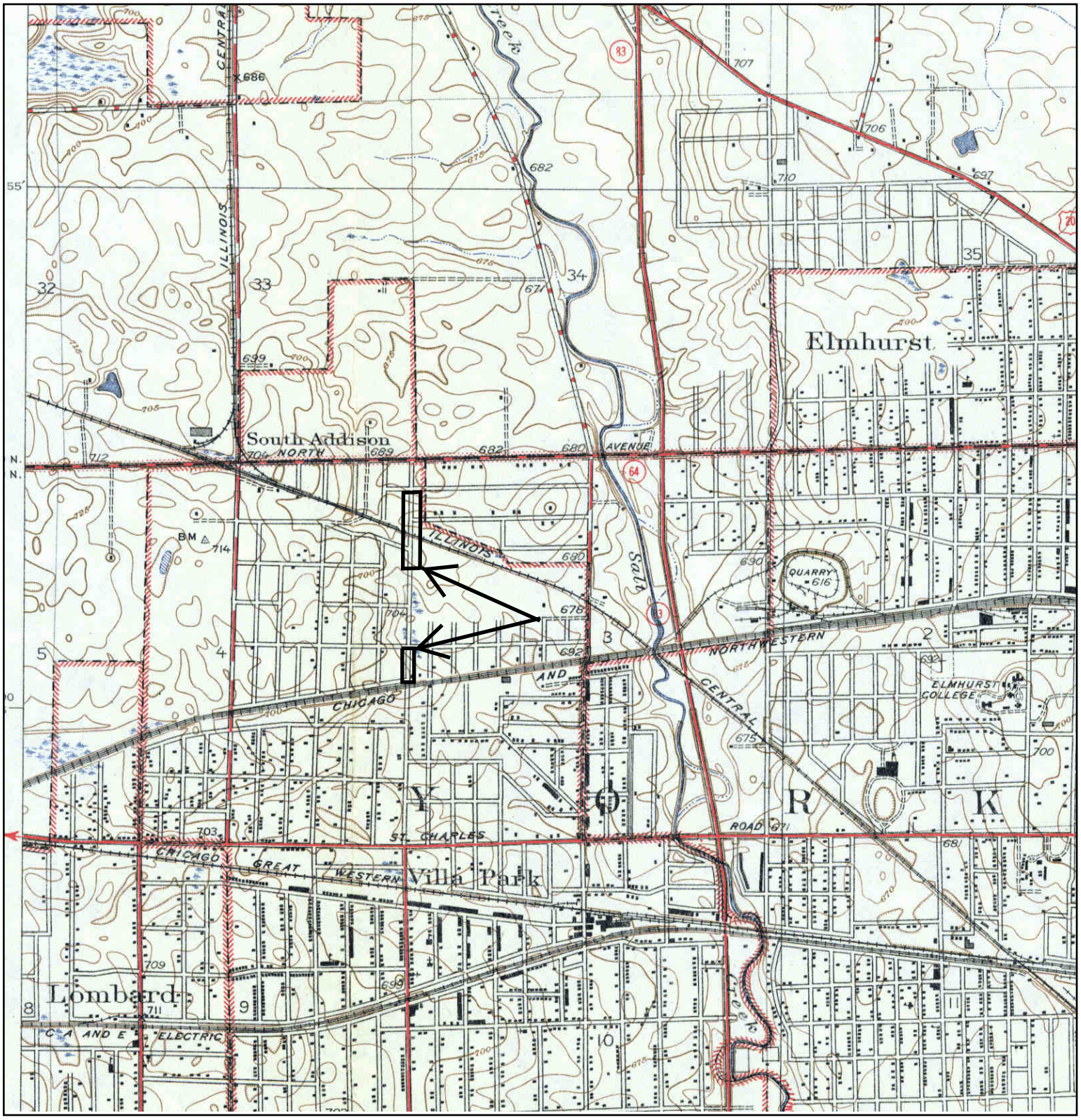

| | | | |
|---|---|---|---|
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# Historical Topographic Map



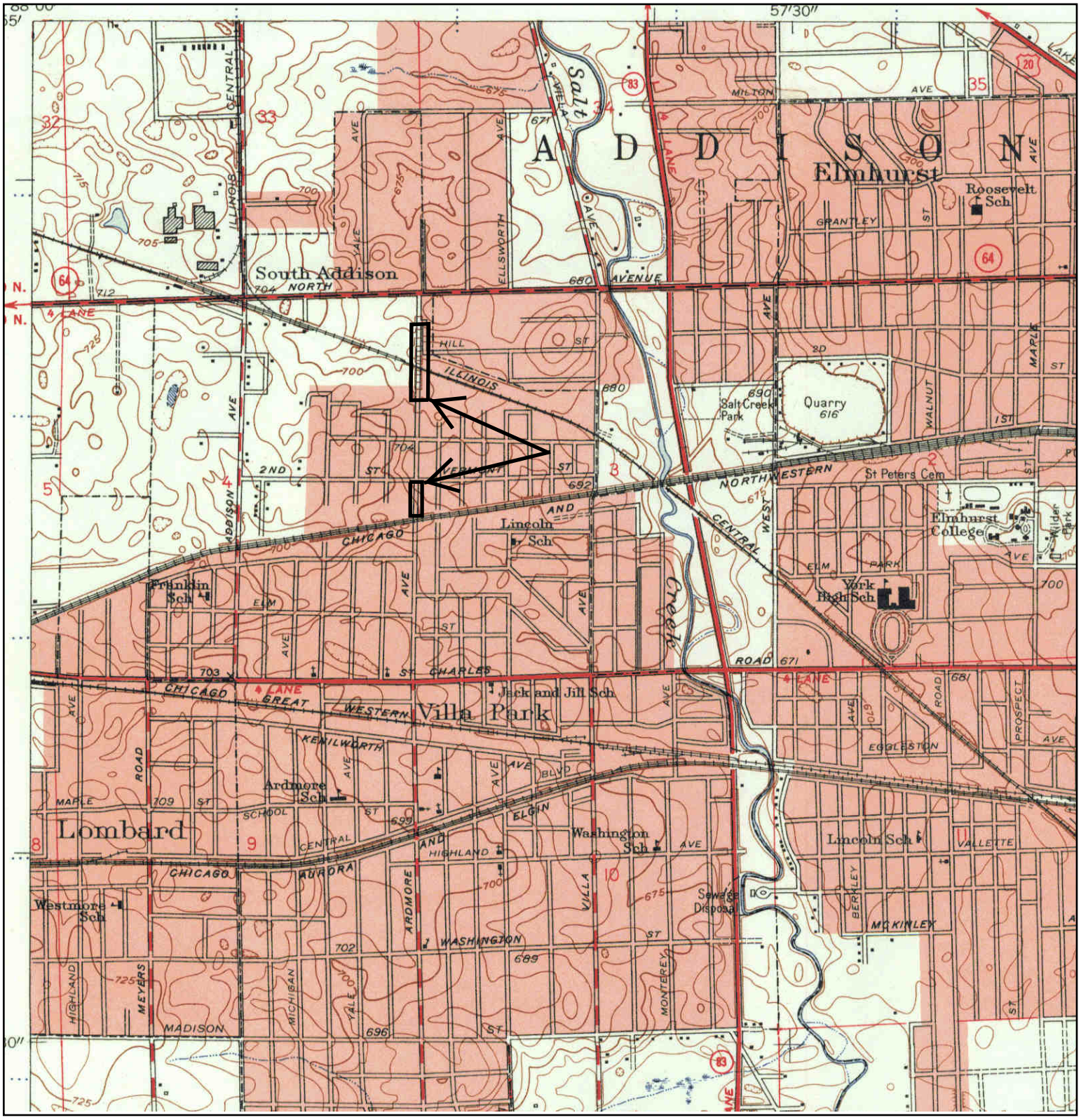

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# Historical Topographic Map



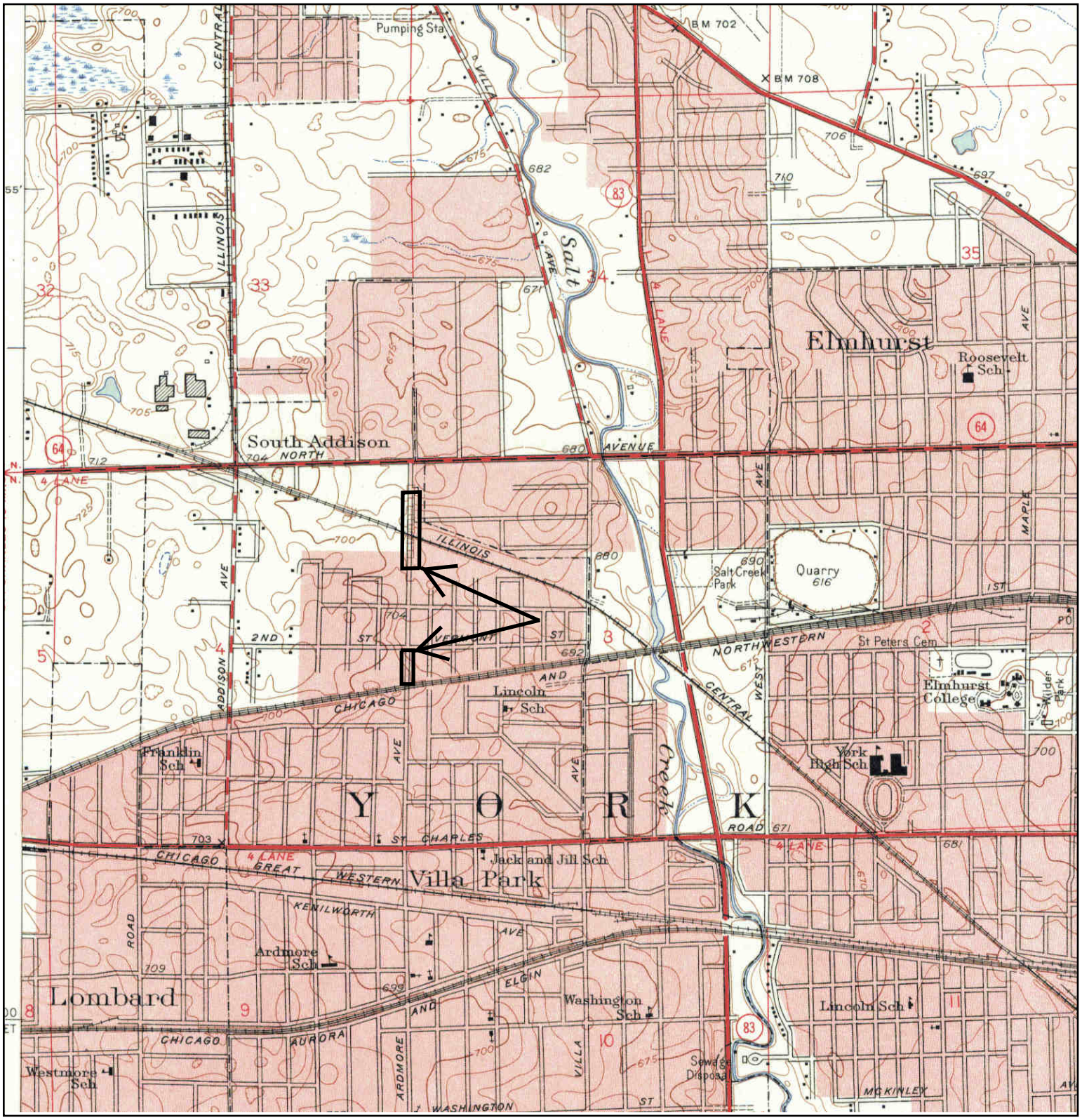

| N | TARGET QUAD | | SITE NAME: | Villa Park Streetscape Project | CLIENT: | V3 Companies of IL, LTD |
|---|---|---|---|---|---|---|
| | NAME: | ELMHURST | | | CONTACT: | Margie Lathrop |
| | MAP YEAR: | 1946 | ADDRESS: | 344-726 N ARDMORE AVE | INQUIRY#: | 3485323.4 |
| | CORRECTED FROM : | 1928 | | Villa Park, IL 60181 | RESEARCH DATE: | 01/02/2013 |
| | SERIES: | 7.5 | LAT/LONG: | 41.9016 / -87.9788 | | |
| | SCALE: | 1:24000 | | | | |

# Historical Topographic Map



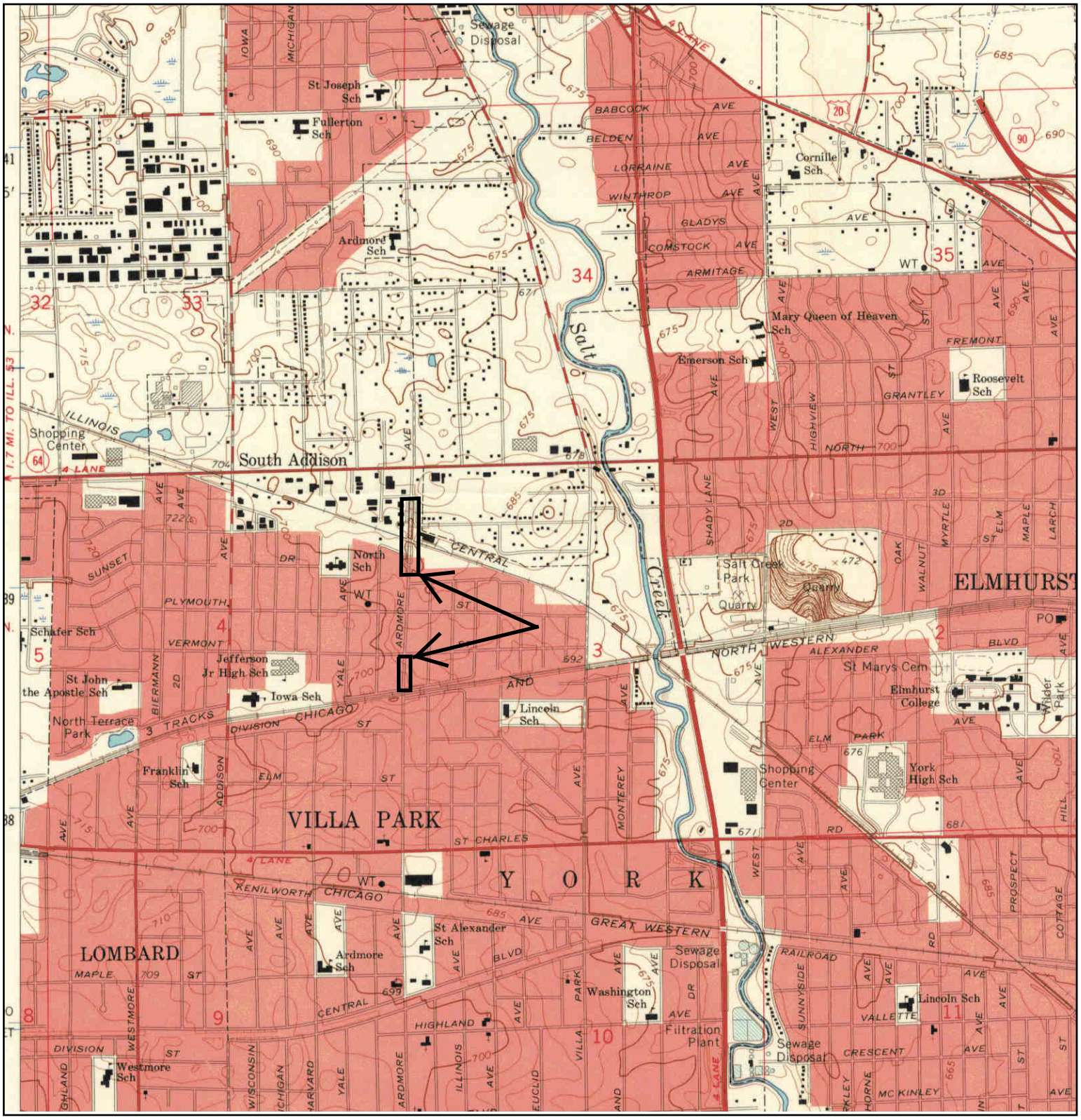

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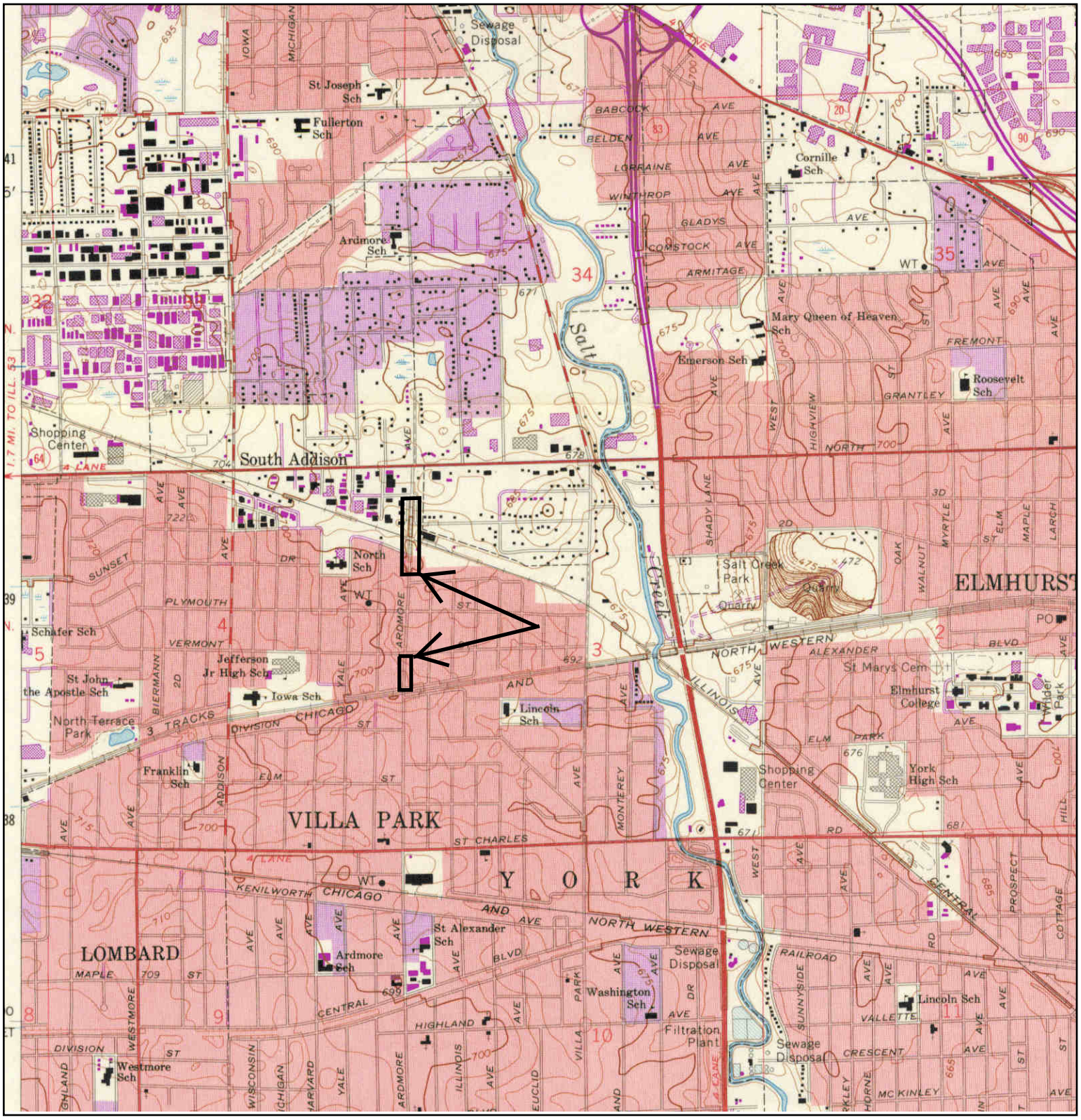

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# Historical Topographic Map



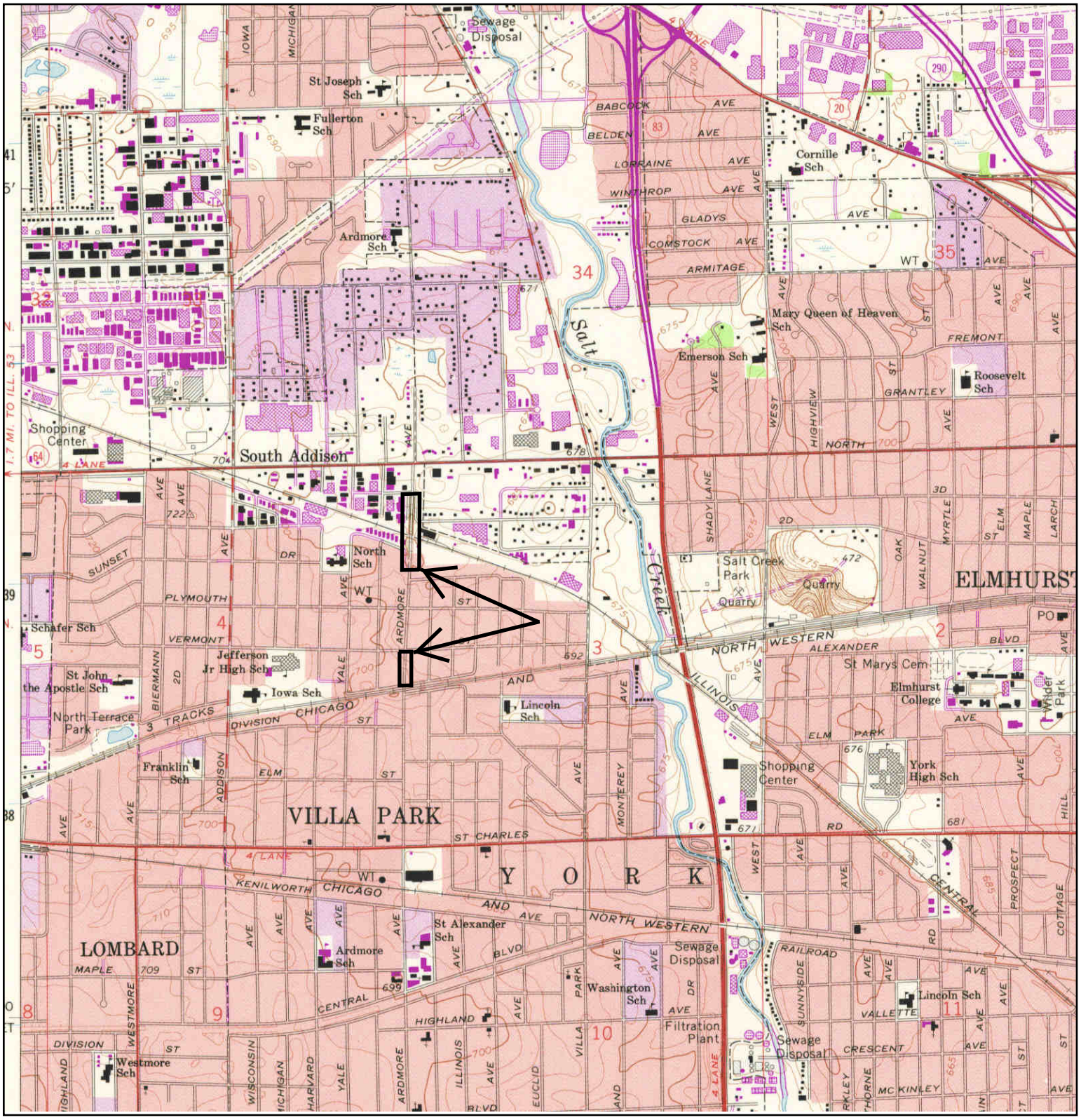

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|---|---|---|---|
| N | TARGET QUAD<br>NAME: ELMHURST<br>MAP YEAR: 1963<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Villa Park Streetscape Project<br><br>ADDRESS: 344-726 N ARDMORE AVE<br>Villa Park, IL 60181<br>LAT/LONG: 41.9016 / -87.9788 | CLIENT: V3 Companies of IL, LTD<br>CONTACT: Margie Lathrop<br>INQUIRY#: 3485323.4<br>RESEARCH DATE: 01/02/2013 |

# Historical Topographic Map



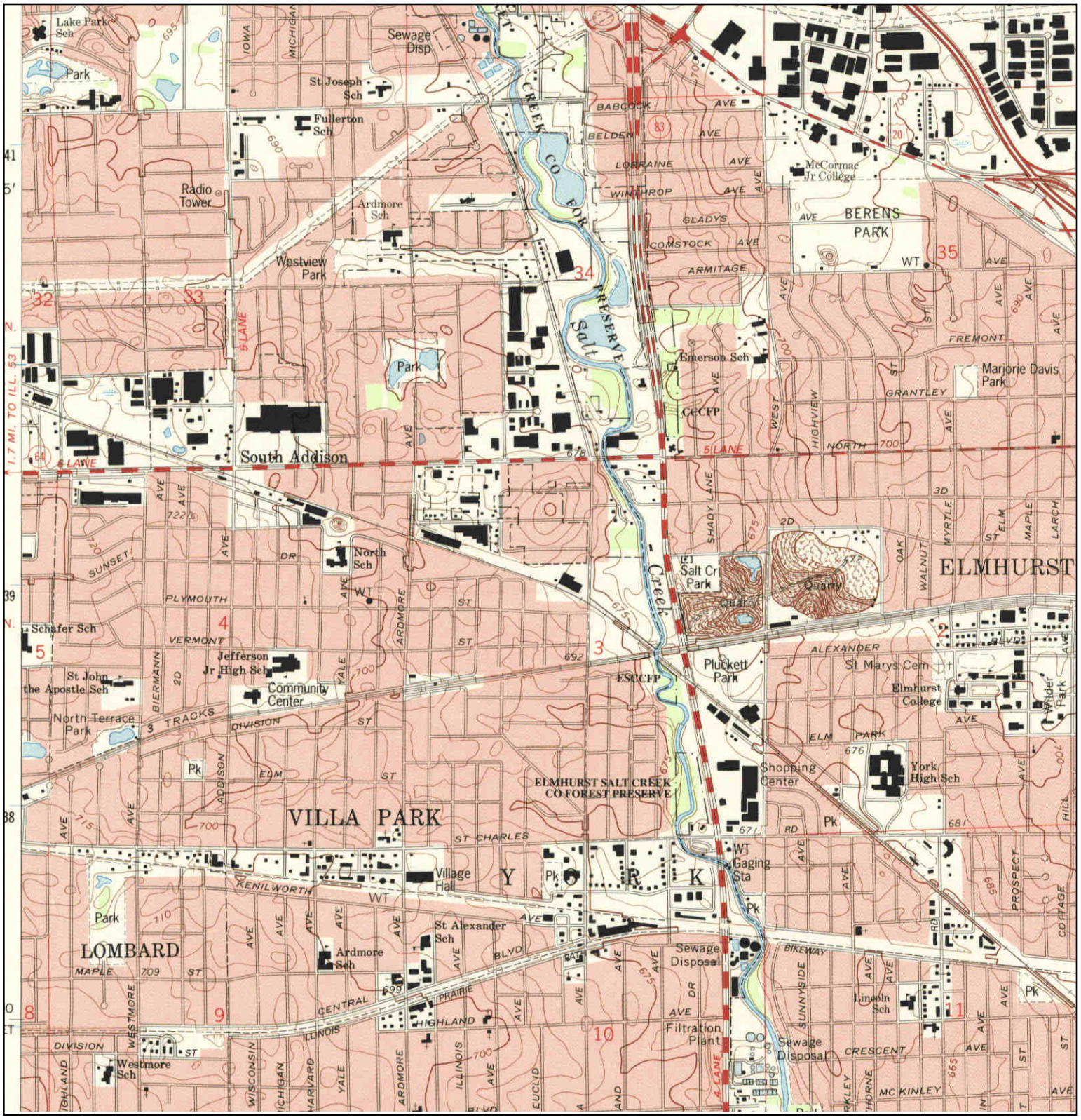

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|---|---|---|---|
| N | TARGET QUAD<br>NAME: ELMHURST<br>MAP YEAR: 1972<br>PHOTOREVISED FROM :1963<br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Villa Park Streetscape Project<br><br>ADDRESS: 344-726 N ARDMORE AVE<br>Villa Park, IL 60181<br>LAT/LONG: 41.9016 / -87.9788 | CLIENT: V3 Companies of IL, LTD<br>CONTACT: Margie Lathrop<br>INQUIRY#: 3485323.4<br>RESEARCH DATE: 01/02/2013 |

# Historical Topographic Map



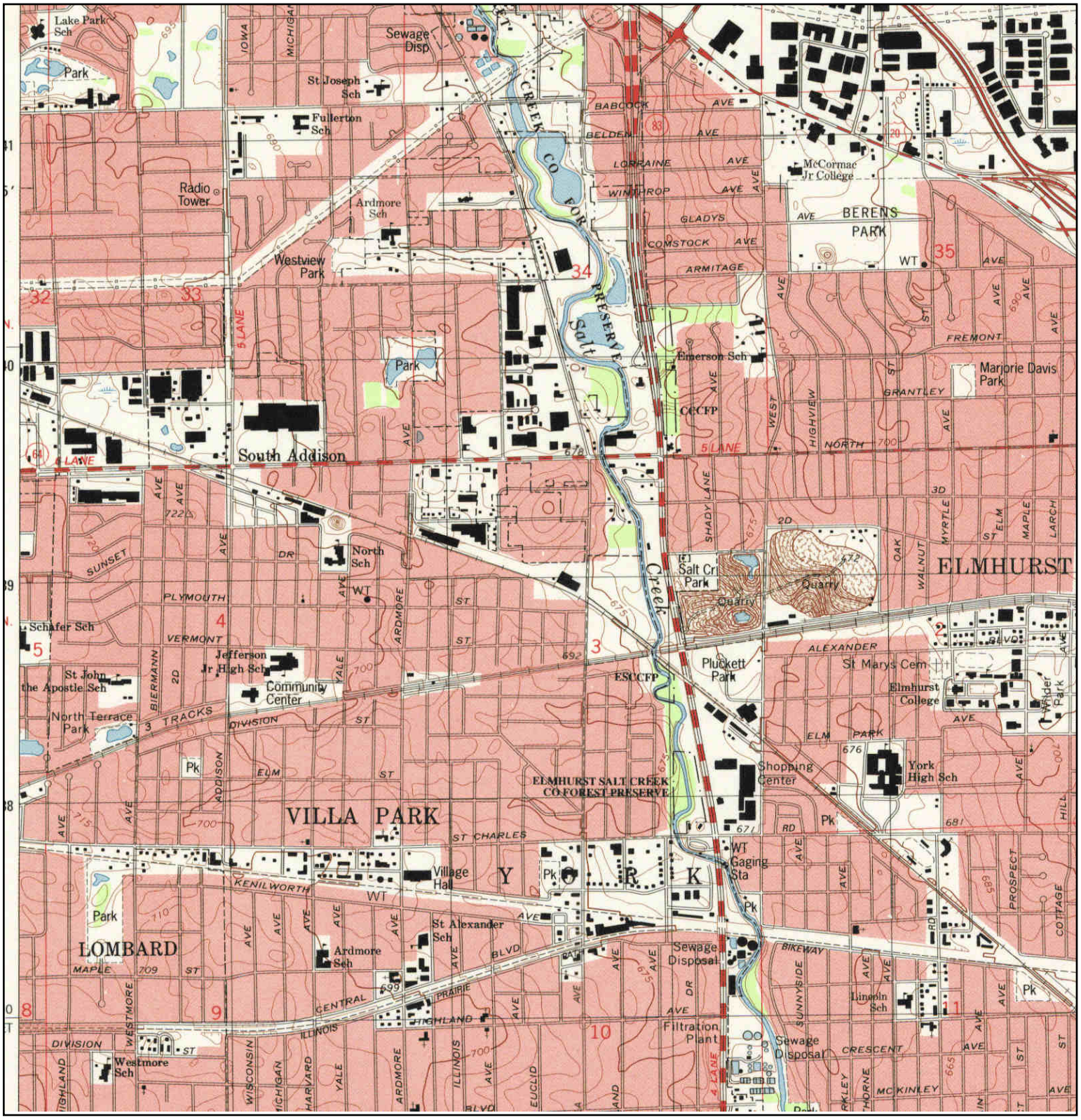

| | | | | | |
|---|---|---|---|---|---|
| N | TARGET QUAD<br>NAME: ELMHURST<br>MAP YEAR: 1980<br>PHOTOREVISED FROM :1963<br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Villa Park Streetscape Project<br><br>ADDRESS: 344-726 N ARDMORE AVE<br>Villa Park, IL 60181<br>LAT/LONG: 41.9016 / -87.9788 | | CLIENT: V3 Companies of IL, LTD<br>CONTACT: Margie Lathrop<br>INQUIRY#: 3485323.4<br>RESEARCH DATE: 01/02/2013 | |

# Historical Topographic Map




| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: ELMHURST<br>MAP YEAR: 1993<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Villa Park Streetscape Project<br><br>ADDRESS: 344-726 N ARDMORE AVE<br>Villa Park, IL 60181<br>LAT/LONG: 41.9016 / -87.9788 | CLIENT: V3 Companies of IL, LTD<br>CONTACT: Margie Lathrop<br>INQUIRY#: 3485323.4<br>RESEARCH DATE: 01/02/2013 |

# Historical Topographic Map




| | | | |
|---|---|---|---|
| N | TARGET QUAD<br>NAME: ELMHURST<br>MAP YEAR: 1997<br><br>SERIES: 7.5<br>SCALE: 1:24000 | SITE NAME: Villa Park Streetscape Project<br><br>ADDRESS: 344-726 N ARDMORE AVE<br>Villa Park, IL 60181<br>LAT/LONG: 41.9016 / -87.9788 | CLIENT: V3 Companies of IL, LTD<br>CONTACT: Margie Lathrop<br>INQUIRY#: 3485323.4<br>RESEARCH DATE: 01/02/2013 |

# APPENDIX IX

PREVIOUS REPORTS

**NO PREVIOUS REPORTS WERE PROVIDED**

# APPENDIX X

DEFINITIONS & ACRONYMS

# TABLE 1

## Definitions, Descriptions of Terms, and List of Acronyms

***abandoned property***—*proper*ty that can be presumed to be deserted, or an intent to relinquish possession or control can be inferred from the general disrepair or lack of activity thereon such that a reasonable person could believe that there was an intent on the part of the current *owner* to surrender rights to the *property.*

**activity *and use* limitations**—legal or physical restrictions or limitations on the use of, or access to, a site or facility: *(1)* to reduce or eliminate potential exposure to *hazardous substances* or *petroleum products* in the soil or ground water on the *property,* or (2) to prevent activities that could interfere with the effectiveness of a response action, in order to ensure maintenance of a condition of no significant risk to public health or the environment. These legal or physical restrictions, which may include institutional and/or *engineering controls*, are intended to prevent adverse impacts to individuals or populations that may be exposed to *hazardous* substances and *petroleum products* in the soil or ground water on the property.

***actual knowledge***—the knowledge actually possessed by an individual who is a real person, rather than an entity. *Actual* knowledge is to be distinguished from constructive knowledge that is knowledge imputed to an individual or entity.

***adjoining properties***—any real *property* or properties the border of which is contiguous or partially contiguous with that of the *property*, or that would be contiguous or partially contiguous with that of the *property* but for a street, mad, or other public thoroughfare separating them.

***aerial photographs***—photographs taken from an aerial platform with sufficient resolution to allow identification of development and activities of areas encompassing the properly. *Aerial photographs* are often available from government agencies or private collections unique to a local area. See 8.3.4.1 of this practice.

***all appropriate inquiry***—that inquiry constituting *all appropriate inquiry* into the previous ownership and uses of the *property* consistent with good commercial or customary practice" as defined in CERCLA, 42 U.S.0 §9601(35)(B), that will qualify a party to *a commercial* mat *estate transaction for* one of threshold criteria for satisfying the *LLPs* to CERCLA liability (42 U.S.0 §9601(35)(A) & (B), §9607(b)(3), §9607(q); and §9607(r)), assuming compliance with other elements of the defense. See Appendix XI.

***approximate minimum search distance***—the area for which records must be obtained and reviewed pursuant to Section 8 subject to the limitations provided in that section. This may include areas outside the *property* and shall be measured from the nearest *property* boundary. This term is used in lieu of radius to include irregularly shaped properties.

***Asbestos Containing Material (ACM)***—Regulatory agencies define ACM as a material containing greater than one (1) percent asbestos, however some states (e.g. California) define ACM as materials having 0.1% asbestos. In order to define a homogenous material as non-ACM, a minimum number of samples must be collected from the material dependant upon its type and quantity. Homogenous materials defined as non-ACM must either have 1) no asbestos identified in all of its samples or 2) an identified asbestos concentration below the appropriate regulatory threshold. Asbestos concentrations are generally determined using polarized light microscopy or transmission electron microscopy. Point counting is an analytical method to statistically quantify the percentage of asbestos in a sample. The asbestos component of ACM may either be friable or non-friable. Friable materials, when dry, can be crumbled, pulverized, or reduced to powder by hand pressure and have a higher potential for a fiber release than non-friable ACM. Non-friable ACM are materials that are firmly bound in a matrix by plastic, cement, etc. and, if handled carefully, will not become friable. Federal and state regulations require that either all suspect building materials be presumed ACM or that an asbestos survey be performed prior to renovation, dismantling, demolition, or other activities that may disturb potential ACM. Notifications are required prior to demolition and/or renovation activities that may impact the condition of ACM in a building. ACM removal may be required if the ACM becomes damaged or is likely to be disturbed or damaged during demolition or renovation. Abatement of friable or potentially friable ACM must be performed by a licensed abatement contractor in accordance with state rules and NESHAP. Additionally, OSHA regulations for work classification, worker training and worker protection will apply.

***Above Ground Storage Tanks (AST)—***ASTs are generally described as storage tanks less than 10% of which are below ground (i.e., buried). Tanks located in a basement, but not buried, are also considered ASTs. Whether, and the extent to which, an AST is regulated, is determined on a case-by-case basis and depends upon tank size, its contents and the jurisdiction of its location.

***Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX)—*** BTEX are VOC components found in gasoline and commonly used as analytical indicators of a petroleum hydrocarbon release.

***bona fide prospective purchaser liability protection—(***42 U.S.C. §9607(r))—a person may qualify as a bona fide prospective purchaser if, among other requirements, such person made "all appropriate inquiries into the previous ownership and uses of the facility in accordance with generally accepted good commercial and customary standards and practices." Knowledge of contamination resulting from *all appropriate inquiry* would not generally preclude this liability protection. A person must make *all appropriate* inquiry on or before the date of purchase. The facility must have been purchased after January 11, 2002. See Appendix XI for the other necessary requirements that are beyond the scope of this practice.

***Brownfields Amendments***—amendments to CERCLA pursuant to the Small Business Liability Relief and Brownfields Revitalization Act, Pub. L. No. 107-118 (2002), 42 U.S.C. §§9601 *et seq.*

***building department records***—those records of the local government in which the *property* is located indicating permission of the local government to contract, alter, or demolish improvements on the *property.* Often *building department records* are located in the building department of a municipality or county. See 8.3.4.7.

***business environmental risk***—a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel *of commercial* re*al estate,* not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations, some of which are identified in Section 13.

***commercial real estate***—any real *property* except a *dwelling* or *property* with no more than four *dwelling* units exclusively for residential use (except that *a dwelling or property* with no more than four *dwelling* units exclusively for residential use is included in this term when it has a commercial function, as in the building of such *dwellings* for profit). This term includes but is not limited to undeveloped real *property* and real *property* used for industrial, retail, office, agricultural, other commercial, medical, or educational purposes; *property* used for residential purposes that has more than four residential *dwelling* units; and *property* with no more than four *dwelling* units for residential use when it has a commercial function, as in the building of such *dwellings* for profit.

***commercial real estate transaction***—a transfer of title to or possession of real *property* or receipt of a security interest in real property, except that it does not include transfer of title to or possession of real *property* or the receipt of a security interest in real *property* with respect to an individual *dwelling* or building containing fewer than five *dwelling* units, nor does it include the purchase of a lot or lots to construct a *dwelling* for occupancy by a purchaser, but *a commercial real estate* transaction does include real *property* purchased or leased by persons or entities in the business of building or developing *dwelling* units.

***Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA)—***(a.k.a. Superfund). CERCLA is the federal act that regulates abandoned or uncontrolled hazardous waste sites. Under this Act, joint and several liability may be imposed on potentiality responsible parties for cleanup-related costs.

***Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS)—***the list of sites compiled by EPA that EPA has investigated or is currently investigating for potential *hazardous* substance contamination for possible inclusion on the *National Priorities List.*

***construction debris***—concrete, brick, asphalt, and other such building materials discarded in the construction of a building or other improvement to *property.*

***contaminated public wells***—public wells used for drinking water that have been designated by a government entity as contaminated by hazardous substances (for example, chlorinated solvents), or as having water unsafe to drink without treatment.

***contiguous property owner liability protection—(****42* U.S.C. §9607(q))—a person may qualify for the *contiguous property* owner *liability protection* if, among other requirements, such person owns real *property* that is contiguous to, and that is or may be contaminated *by hazardous* substances from other real *property* that is not owned by that person. Furthermore, such person conducted *all appropriate* inquiry at the time of acquisition of the *property* and did not know or have reason to know that the *property* was or could be contaminated by a release or threatened release from the contiguous *property.* The *all appropriate* inquiry must not result in knowledge of contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the *contiguous property owner liability protection.* See Appendix XI for the other necessary requirements that are beyond the scope of this practice.

***CORRACTS list—***a list maintained by EPA of haz*ardous* waste treatment, storage, or disposal facilities and other RCRA-regulated facilities (due to past interim status or storage of *hazardous* waste beyond 90 days) that have been notified by the U.S. Environmental Protection Agency to undertake corrective action under RCRA. The *CORRACTS list* is a subset of the EPA database that manages RCRA data.

***data failure***—*a* failure to achieve the historical re-search objectives in 8.3.1 through 8.3.2.2 even after reviewing the standard historical sources in 8.3.4.1 through 8.3.4.8 that are *reasonably ascertainable* and likely to be useful. Data *failure* is one type *of data gap.* See 8.3.2.3.

***data gap***—a lack of or inability to obtain information required by this practice despite *good faith* efforts by the environmental *professional* to gather such information. *Data gaps* may result from incompleteness in any of the activities required by this practice, including, but not limited to *site* reconnaissance (for example, an inability to conduct the site *visit),* and interviews (for example, an inability to interview the *key site* manager, regulatory officials, etc.). See 12.7.

***demolition debris***—concrete, brick, asphalt, and other such building materials discarded in the demolition of a building or other improvement to *property.*

***drum***—*a* container (typically, but not necessarily, holding 55 gal (208 L) of liquid) that may be used to store *hazardous* substances *or petroleum products.*

***dry wells—***underground areas where soil has been removed and replaced with pea gravel, coarse sand, or large rocks. *Dry wells* are used for drainage, to control storm runoff, for the collection of spilled liquids (intentional and non-intentional) and wastewater disposal (often illegal).

***due diligence***—the process of inquiring into the environmental characteristics of a parcel of *commercial* re*al* estate or other 'conditions, usually in connection with a commercial re*al* estate transaction. The degree and kind of *due diligence* vary for different properties and differing purposes. See Appendix XI.

***dwelling***—structure or portion thereof used for residential habitation.

***engineering controls (EC)—***physical modifications to a site or facility (for example, capping, slurry walls, or point of use water treatment) to reduce or eliminate the potential for exposure to *hazardous substances* or *petroleum* products in the soil or ground water on the *property.* Engineering *controls* are a type of activity and use limitation (AUL).

***environmental compliance audit—***the investigative process to determine if the operations of an existing facility are in compliance with applicable environmental laws and regulations. This term should not be used to describe this practice, although an environmental *compliance audit* may include an environmental site assessment or, if prior audits

are available, may be part of an environmental site assessment.

***environmental lien—***a charge, security, or encumbrance upon title to *a property* to secure the payment of a cost, damage, debt, obligation, or duty arising out of response actions, cleanup, or other remediation of hazardous substances or *petroleum products* upon *a property,* including (but not limited to) liens imposed pursuant to CERCLA 42 U.S.C. §§9607(1) & 9607(r) and similar state or local laws.

***environmental professional***—*a* person meeting the education, training, and experience requirements as set forth in 40 CFR §312.10(b). See Appendix X2. The person may be an independent contractor or an employee of the user.

***environmental site assessment (ESA)—***the process by which a person or entity seeks to determine if a particular parcel of real *property* (including improvements) is subject to recognized *environmental conditions.* At the option of the user, an environmental site assessment may include more inquiry than that constituting *all appropriate inquiry* or, if the *user* is not concerned about qualifying *for* the *LLPs,* less inquiry than that constituting *all appropriate* inquiry. An environmental site assessment is both different from and less rigorous than an environmental *compliance* audit.

***ERNS list—***EPA's emergency response notification system list of reported CERCLA *hazardous* substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 and 355.

***Federal Register* (FR)—**publication of the United States government published daily (except for federal holidays and weekends) containing all proposed and final regulations and some other activities of the federal government. When regulations become final, they are included in the Code of Federal Regulations (CFR), as well as published in the *Federal Register.*

***fill din***—dirt, soil, sand, or other earth, that is obtained off-site, that is used to fill holes or depressions, create mounds, or otherwise artificially change the grade or elevation of real property. It does not include material that is used in limited quantities for normal landscaping activities.

***fire insurance maps***—maps produced for private fire insurance map companies that indicate uses of properties at specified dates and that encompass the *property.* These maps are often available at local libraries, historical societies, private resellers, or from the map companies who produced them.

***good faith***—the absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

***hazardous substance***—a substance defined as *a hazardous substance* pursuant to CERCLA 42 U.S.C.89601(14), as interpreted by EPA regulations and the courts:" (A) any substance designated pursuant to section 1321(b)(2)(A) of Tide 33, (E) any element, compound, mixture, solution, or substance designated pursuant to section 9602 of this title, (C) any *hazardous* waste having the characteristics identified under or listed pursuant to section 3001 of the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C.§§6901 *et seq.)* has been suspended by Act of Congress), (D) any toxic pollutant listed under section 1317(a) of Title 33, (E) any hazardous air pollutant listed under section 112 of the Clean Air Act (42 U.S.C. §7412), and (F) any imminently hazardous chemical substance or mixture with respect to which the Administrator (of EPA) has taken action pursuant to section 2606 of Title 15. The term does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as *a hamrdons substance* under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)." (See Appendix Xl.)

***hazardous waste—***any hazardous *waste* having the characteristics identified under or listed pursuant to section 3001 of RCRA, as amended, (42 U.S.C. §6921) (but not including any waste the regulation of which under RCRA (42 U.S.C. §§6901.6992k) has been suspended by Act of Congress). RCRA is sometimes also identified as the Solid Waste Disposal Act. RCRA defines *a hazardous* waste. at 42 U.S.C. §6903, as: "a solid waste, or combination of solid wastes, which because of its quantity, concentration, or physical, chemical, or infectious characteristics may-{A) cause, or significantly contribute to an increase in mortality or an increase in serious irreversible, or incapacitating reversible, illness; or (B) pose a substantial present or potential hazard to human health or the environment when improperly treated, stored, transported, or disposed of, or otherwise managed."

*hazardous* ***waste/contaminated sites***—sites on which a release has occurred, or is suspected to have occurred, of any *hazardous* substance, *hazardous waste, or petroleum products,* and that release or suspected release has been reported to a government entity.

***HREC (historical recognized environmental condition)—****an* environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental *condition* currently. The final decision rests with the *environmental professional* and will be influenced by the current impact of the *historical* recognized *environmental condition* on the *property*. If a past release of any hazardous *substances* or *petroleum products* has occurred in connection with the property and has been remediated, with such remediation accepted by the responsible regulatory agency (for example, as evidenced by the issuance of a no further action letter or equivalent), this condition shall be considered an *historical recognized environmental condition* and included in the findings section of the Phase *I* Environmental Site *Assessment* report. The environmental *professional* shall provide an opinion of the current impact on the *property* of this *historical recognized environmental condition* in the opinion section of the *report.* If this *historical recognized* environmental *condition* is determined to be a *recognized* environmental *condition* at the time the *Phase* I Environmental *Site* Assessment is conducted, the condition shall be identified as such and listed in the conclusions section of the r*eport.*

***IC/EC registries***—databases of institutional *controls* or engineering *controls* that may be maintained by a federal, state or local environmental agency for purposes of tracking sites that may contain residual contamination and AULs. The names for these may vary from program to program and state to state, and include terms such as Declaration of Environmental Use Restriction database (Arizona), list of

"deed restrictions" (California), environmental real covenants list (Colorado), brownfields site list (Indiana, Missouri, Pennsylvania).

***innocent landowner defense***—(42 U.S.C. 889601(35) & 9607(b)(3))—a person may qualify as one of three types of innocent landowners: (i) a person who "did not know and had no reason to know" that contamination existed on the *properly* at the time the purchaser acquired the *property;* (ii) a government entity which acquired the *property by* escheat, or through any other involuntary transfer or acquisition, or through the exercise of eminent domain authority by purchase or condemnation; and (iii) a person who "acquired the facility by inheritance or bequest" To qualify for the first type of innocent landowner LLP, such person must *have* made *all appropriate inquiry* on or before the date of purchase. Furthermore, the *all appropriate* inquiry must not have resulted in knowledge of the contamination. If it does, then such person did "know" or "had reason to know" of contamination and would not be eligible for the innocent *landowner defense.* See Appendix XI for the other necessary requirements that are beyond the scope of this practice.

***institutional controls (/C)—***a legal or administrative restriction (for example, "deed restrictions," restrictive covenants, easements, or zoning) on the use of, or access to, a siteor facility to (1) reduce or eliminate potential exposure to *hazardous substances* or *petroleum products* in the soil or ground water on the *property,* or (2) to prevent activities that could interfere with the effectiveness of a response action, in *order* to ensure maintenance of a condition *of no* significant risk to public health or the environment.. An institutional control is a type of Activity and Use Limitation (AUL).

***interviews—***those portions of this practice that are contained in Section 10 and I I thereof and address questions to be asked of past and present owners, *operators,* and *occupants* of the *property* and questions to be asked of local government officials.

***key site manager—***the person identified by the *owner or operator* of *a property* as having good knowledge of the uses and physical characteristics of the *property.* See 10.5.1.

***landfill***—*a* place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *solid* waste *disposal* site and is also known as a garbage dump, trash dump, or similar term.

***Landowner Liability Protections (LLPs)—****landowner liability protections* under CERCLA; these protections include *the bona fide prospective purchaser liability protection, contiguous property owner liability* protection, and innocent land*owner defense* from CERCLA liability. See 42 U.S.C. §§9601(95)(A), 9601(40), 9607(b), 9607(q), 9607(r).

***local government agencies—***those agencies of municipal or county government having jurisdiction over the *property.* Municipal and county government agencies include but are not limited to cities, parishes, townships, and similar entities.

***local street directories***—directories published by private *(or* sometimes government) sources that show owner-ship, occupancy, and/or use of sites by reference to street addresses. Often *local street directories are* available at libraries, or historical societies, and/or local municipal offices. See 8.34.6 of this practice.

***LUST sites***—state lists of leaking *underground storage tank* sites. RCRA gives EPA and states, under cooperative agreements with EPA, authority to clean up releases from UST systems or require *owners* and *operators* to do so. (42 U.S.C. §6991b).

***major occupants***—those tenants, subtenants, or other persons or entities each of which uses at least 40 % of the leasable area of *the property* or any anchor tenant when the *property* is a shopping center.

***material safety data sheet (MSDS)—***written or printed material concerning *a hazardous substance* which is prepared by chemical manufacturers, importers, and employers for hazardous chemicals pursuant to OSHA's Hazard Communication Standard, 29 C.F.R. §1910.1200.

***material threat***—a physically observable or *obvious* threat which is reasonably likely to lead to a release that, in the opinion of the environmental *professional,* is threatening and might result in impact to public health or the environment. An example might include an aboveground storage tank system that contains *a hazardous substance* and which shows evidence of damage. The damage would represent a material threat if it is deemed serious enough that it may cause or contribute to tank integrity failure with a release of contents to the environment.

***Maximum contaminant level (MCL)—***This Safe Drinking Water concept (and also used by many states as a groundwater cleanup criteria) refers to the limit on drinking water contamination that determines whether a supplier can deliver water from a specific source without treatment.

***National Contingency Plan (NCP)***—the National Oil and Hazardous Substances Pollution Contingency Plan, found at 40 C.F.R. Part 300, that is the EPA's blueprint on how *hazardous substances* are to be cleaned up pursuant to CERCLA.

***National Emissions Standard for Hazardous Air Pollutants (NESHAP)—(***Federal Clean Air Act) This part of the Clean Air Act regulates emissions of hazardous air pollutants.

***No Further Remedial Action Planned (NFRAP)—***Facilities where there is NFRAP, as more particularly described under the Records Review section of this report.

***Notice of Violation (NOV)—***A notice of violation or similar citation issued to an entity, company or individual by a state or federal regulatory body indicating a violation of applicable rule or regulations has been identified.

***National Pollutant Discharge Elimination System (NPDES)-(***Clean Water Act) the federal permit system for discharges of polluted water.

***National Priorities List (NPL)—****list* compiled by EPA pursuant to CERCLA 42 U.S.C. §9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System. See 40 C.F.R. Part 300.

***obvious***—that which is plain or evident; a condition or fact that could not be ignored or overlooked by a reasonable observer while visually or physically observing the *property.*

***occupants—***those tenants, subtenants, or other per-sons or entities using the *property* or a portion of the *property.*

***operator*—**the person responsible for the overall operation of a facility.

***other historical sources***—any source or sources other than those designated in 8.3.4.1 through 8.3.4.8 that are credible to a reasonable person and that identify past uses of the *property.* The term includes, but is not limited to: miscellaneous maps, newspaper archives, intemet sites, community organizations, local libraries, historical societies, current *owners or occupants* of neighboring properties, and records in the files and/or personal knowledge of the *property owner* and/or occupants. See 8.3.4.9.

***owner*—**generally the fee *owner* of record of the *property.*

***Presumed Asbestos-Containing Material (PACM)*—**A material that is suspected of containing or presumed to contain asbestos but which has not been analyzed to confirm the presence or absence of asbestos.

***Polychlorinated Biphenyl (PCB)*—**A halogenated organic compound commonly in the form of a viscous liquid or resin, a flowing yellow oil, or a waxy solid. This compound was historically used as dielectric fluid in electrical equipment (such as electrical transformers and capacitors, electrical ballasts, hydraulic and heat transfer fluids), and for numerous heat and fire sensitive applications. PCB was preferred due to its durability, stability (even at high temperatures), good chemical resistance, low volatility, flammability, and conductivity. PCBs, however, do not break down in the environment and are classified by the EPA as a suspected carcinogen. 1978 regulations, under the Toxic Substances Control Act, prohibit manufacturing of PCB-containing equipment: however, some of this equipment may still be in use today.

***picoCuries per Liter of Air (pCi/l)*—**Unit of measurement for Radon and similar radioactive materials.

***petroleum exclusion***--the exclusion from CERCLA liability provided in 42 U.S.C. §9601(14), as interpreted by the courts and EPA: "The term *(hazardous substance)* does not include petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as a hazardous *substance* under subparagraphs (A) through (F) of this paragraph, and the term does not include natural gas, natural gas liquids, liquefied natural gas, or synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas)."

***petroleum products*—**those substances included within the meaning of the *petroleum* exclusion to CERCLA, 42 U.S.C. §9601(14), as interpreted by the courts and EPA, that is: petroleum, including crude oil or any fraction thereof which is not otherwise specifically listed or designated as *a hazardous substance* under Subparagraphs (A) through (F) of 42 U.S.C. § 9601(14), natural gas, natural gas liquids, liquefied natural gas, and synthetic gas usable for fuel (or mixtures of natural gas and such synthetic gas). (The word fraction refers to certain distillates of crude oil, including gasoline, kerosine, diesel oil, jet fuels, and fuel oil, pursuant to Standard Definitions of Petroleum Statistics?)

***petroleum storage tank (PST)*—**An AST or UST that contains a petroleum product.

***Phase / Environmental Site Assessment***—the process described in this practice.

***physical setting sources***—sources that provide information about the geologic, hydrogeologic, hydrologic, or topographic characteristics of *a property*. *See* 8.2.3.

***pits, ponds, or lagoons***—man-made or natural depressions in a ground surface that are likely to hold liquids or sludge containing *hazardous substances* or *petroleum products.* The likelihood of such liquids or sludge being present is determined by evidence of factors associated with the pit, pond, or lagoon, including, but not limited to, discolored water, distressed vegetation, or the presence of an obvious wastewater discharge.

***Polarized Light Microscopy (PLM)*—**see ACM section fo the report, if included in the scope of services)

***practically reviewable***—information that is *practically reviewable* means that the information is provided by the source in a manner and in a form that, upon examination, yields information relevant to the *property* without the need for extraordinary analysis of irrelevant data. The form of the information shall be such that the *user* can review the records for a limited geographic area. Records that cannot be feasibly retrieved by reference to the location of the *property* or a geographic area in which the *property* is located are not generally *practically reviewable.* Most databases of public records are *practically reviewable* if they can be obtained from the source agency by the county, city, zip code, or other geographic area of the facilities listed in the record system. Records that are sorted, filed, organized, or maintained by the source agency only chronologically are not generally practi*cally reviewable.* Listings in *publicly available* records which do not have adequate address information to be located geographically are not generally considered *practically* review*able.* For large databases with numerous records (such as RCRA hazardous waste generators and registered *underground storage* tanks), the records are not practically *reviewable* unless they can be obtained from the source agency in the smaller geographic area of zip codes. Even when information is provided by zip code for some large databases, it is common for an unmanageable number of sites to be identified within a given zip code. In these cases, it is not necessary to review the impact of all of the sites that are likely to be listed in any given zip code because that information would not be *practically reviewable.* In other words, when so much data is generated that it cannot be feasibly reviewed for its impact on *the p*$^{ro}$*p*$^{erl}$y, it is *not practically reviewable.*

***property*—**the real *property* that is the subject of the *environmental site assessment* described in this practice. Real *property* includes buildings and other fixtures and improvements located on the *property* and affixed to the land.

***property tax files*—**the files kept *for property* tax purposes by the local jurisdiction where the *property* is located and may include records of past ownership, appraisals, maps, sketches, photos, or other information that is *reasonably ascertainable* and pertaining to *the property*. See 8.34.3.

***publicly available*—**information that is *publicly available* means that the source of the information allows access to the information by anyone upon request.

***Radon*—**A radioactive gas resulting from radioactive decay of naturally-occurring radioactive materials in rocks and soils containing uranium, granite, shale, phosphate, and pitchblende. Radon concentrations are measured in picoCuries per liter of air. Exposure to elevated levels of radon creates a risk of lung cancer; this risk generally increases as the level of radon and the duration of exposure increases. Outdoors, radon is diluted to such low concentrations that it

usually does not present a health concern. However, radon can accumulate in building basements or similar enclosed spaces to levels that can pose a risk to human health. Indoor radon concentrations depend primarily upon the building's construction, design and the concentration of radon in the underlying soil and groundwater. The EPA recommended annual average indoor "action level" concentration for residential structures is 4.0 pCi/l.

***Resource Conservation and Recovery Act (RCRA)—*** Federal act regulating solid and hazardous wastes from point of generation to time of disposal ('cradle to grave"). 42 U.S.C. 6901 et seq.

***RCRA CORRACTS/TSDs—***The USEPA maintains a database of RCRA facilities associated with treatment, storage, and disposal (TSD) of hazardous materials, which are undergoing "corrective action". A "corrective action" order is issued when there is a release of hazardous waste or constituents into the environment from a RCRA facility.

***RCRA Non-CORRACTS/TSDs***—The RCRA Non-CORRACTS/TSD Database is a compilation by the USEPA of facilities that report storage, transportation, treatment, or disposal of hazardous waste. Unlike the RCRA CORRACTS/TSD database, the RCRA Non-CORRACTS/TSD database does not include RCRA facilities where corrective action is required.

***RCRA generators***—those persons or entities that generate hazardous wastes, as defined and regulated by RCRA.

***RCRA generators list***—list kept by EPA of those persons or entities that generate *hazardous wastes* as defined and regulated by RCRA.

***RCRA TSD facilities***—those facilities on which treatment, storage, and/or disposal of *hazardous wastes* takes place, as defined and regulated by RCRA.

***RCRA TSD facilities list—***list kept by EPA of those facilities on which treatment, storage, and/or disposal of *hazardous wastes* takes place, as defined and regulated by RCRA.

***RCRA Violators List—RAATS***. RCRA Administrative Actions Taken. RAATS information is now contained in the RCRIS database and includes records of administrative enforcement actions against facilities for noncompliance.

***Resource Conservation and Recovery Information System (RCRIS)—***as defined in the Records Review section of this report.

***reasonably ascertainable***—information that is (1) *publicly available, (2)* obtainable from its source within reasonable time and cost constraints, and *(3) practically reviewable*

***recognized environmental conditions (REC)—***the presence or likely presence of any *hazardous substances* or *petroleum products* on *a property* under conditions that indicate an existing release, a past release, *or a material* threat of a *release* of any *hazardous substances* or *petroleum* hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a water, or surface water of the *property*. The term includes into structures on the *properly* or into the ground, ground threat *products* to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not *recognized environmental conditions.*

***recorded land title records***—records of historical fee ownership, which may include leases, land contracts, and AULs on or of the *property* recorded in the place where land title records are, by law or custom, recorded for the local jurisdiction in *which the property* is located. (Often such records are kept by a municipal or county recorder or clerk.) *Such* records may be obtained from title companies or directly from the local government agency. Information about the title to the *property* that is recorded in a U.S. district court or any place other than where land title records am, by law or custom, recorded for the local jurisdiction in which the *property* is located, are not considered part *of recorded land title records.* See 8.3.4.4.

***records of emergency release notifications EPCRA***—(42 U.S.C. §I 1004)—requires *operators* of facilities to notify their local emergency planning committee (as defined in EPCRA) and state emergency response commission (as defined in EPCRA) of any release beyond the facility's boundary of any reportable quantity of any extremely *hazardous* substance. Often the local fire department is the local emergency planning committee. Records of such notifications are "Records of Emergency Release Notifications" (42 U.S.C. 11004).

***records review—***that part that is contained in Section 8 of this practice addresses which records shall or may be reviewed.

***report—***the written report prepared by the *environmental professional* and constituting part of a *"Phase 1 Environmental Site Assessment,"* as required by this practice

*State "CERCLIS" List (SCL)—*(see SPL/State Priority List, below)

***Site reconnaissance***—that part that is contained in Section 9 of this practice and addresses what should be done in connection with the *site visit.* The *site reconnaissance* includes, but is not limited to, the site visit done in connection with such *a Phase I Environmental Site Assessment.*

***site visit***—the visit to the *property* during which observations are made constituting the *site reconnaissance* section of this practice.

***solid waste disposal site***—a place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term *landfill* and is also known as a garbage dump, trash dump, or similar term.

***Solid Waste Facility List (SWF)—***A Vista Information Solutions, Inc. database of solid waste facilities listed by state.

***Solid Waste Facility/Landfill (SWLF)—***The IEPA maintains a database of sites located within Illinois. The database information may include the facility name, class, operation type, area, estimated operational life, and owner.

***solvent—****a* chemical compound that is capable of dissolving another substance and may itself be *a hazardous* substance, used in a number of manufacturing/industrial processes including but not limited to the manufacture of paints and coatings for industrial and household purposes, equipment clean-up, and surface degreasing in metal fabricating indus-

tries.

***Spill Prevention, Control and Countermeasures (SPCC)—***SPCC plans are required under federal law (Clean Water Act and Oil Pollution Act) for any facility storing petroleum in tanks and/or containers of 55-gallons or more that when taken in aggregate exceed 1,320 gallons. SPCC plans are also required for facilities with underground petroleum storage tanks with capacities of over 42,000 gallons. Many states have similar spill prevention programs, which may have additional requirements.

***State Hazardous Waste Sites (SHWS)—***The IEPA maintains a database of state equivalent CERCLIS facilities in the State of Illinois. This may or may not already be on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties.

***State Priority List (SPL)—***State list of confirmed sties having contamination in which the state is actively involved in clean up activities or is actively pursuing potentially responsible parties for clean up. Sometimes referred to as State "CERCLIS" List.

***standard environmental record sources—***those records specified in 8.2.1.

***standard historical sources—***those sources of information about the history of uses *of property* specified in 8.3.4.

***standard physical setting source****—a* current USGS *7.5 Minute Topographic Map (if any)* showing the area on which the *property* is located. See 8.2.3.

***standard practice—***the activities set forth in this practice.

***standard sources—***sources of environmental, physical setting, or historical records specified in Section 8 of this practice.

***state registered USTs—***state lists of *underground storage* tanks required to be registered under Subtitle I, Section 9002 of RCRA.

***sump****—*a pit, cistern, cesspool, or similar receptacle where liquids drain, collect, or are stored.

***TSD facility****—*treatment, storage, or disposal facility (see *RCRA TSD* facilities).

***Toxic Release Inventory (TRI)—***Routine EPA report on releases of toxic chemicals to the environment based upon information submitted by entities subject to reporting under the Emergency Planning and Community Right to Know Act.

***Toxic Substances Control Act (TSCA)—***A federal law regulating manufacture, import, processing and distribution of chemical substances not specifically regulated by other federal laws (such as asbestos, PCBs, lead-based paint and radon). 15 U.S.C 2601 et seq.

***underground injection****--*the emplacement or discharge of fluids into the subsurface by means of a well, improved sinkhole, *sewage* drain hole, subsurface fluid distribution system or other system, or groundwater point source.

***underground storage tank (UST)—***any tank, including underground piping connected to the tank, that is or has been used to contain *hazardous* substances or *petroleum products* and the volume of which is 10 % or more beneath the surface of the ground.

***user****—*the party seeking to use Practice E 1527 to complete an environmental *site assessment* of the *property. A* user may include, without limitation, a potential purchaser of *property*, a potential tenant of *property,* an *owner of property*, a lender, or *a property* manager. The user has specific obligations for completing a successful application of this practice as outlined in Section 6.

***USGS 7.5 Minute Topographic Map****—*the map (if any) available from or produced by the United States Geological Survey, entitled "*USGS 7.5 Minute Topographic Map,"* and showing the *property.*

***visually and/or physically observed****—*during *a site visit* pursuant to this practice, this term means obs*ervati*ons made by vision while walking through *a property* and the structures located on it and observations made by the sense of smell, particularly observations of noxious or foul odors. The term "walking through" is not meant to imply that disabled persons who cannot physically walk may not conduct a site visit; they may do so by the means at their disposal for moving through the *property* and the structures located on it.

***wastewater—***water that (I) is or has been used in an industrial or manufacturing process, (2) conveys or has conveyed sewage, or (3) is directly related to manufacturing, processing, or raw materials storage areas at an industrial plant. *Wastewater* does not include water originating on or passing through or adjacent to a site, such as stormwater flows, that has not been used in industrial or manufacturing processes, has not been combined with sewage, or is not directly related to manufacturing, processing, or raw materials storage areas at an industrial plant.

***Wetlands—***Areas that are typically saturated with surface or groundwater that create an environment supportive of wetland vegetation (i.e., swamps, marshes, bogs). The Corps of Engineers Wetlands Delineation Manual (Technical Report Y-87-1) defines wetlands as areas inundated or saturated by surface or groundwater at a frequency and duration sufficient to support, and that under normal circumstances do support, a prevalence of vegetation typically adapted for life in saturated soil conditions. For an area to be considered a jurisdictional wetland, it must meet the following criteria: more than 50 percent of the dominant plant species must be categorized as Obligate, Facultative Wetland, or Facultative on lists of plant species that occur in wetlands; the soil must be hydric; and, wetland hydrology must be present. The federal Clean Water Act which regulates "waters of the US," also regulates wetlands, a program jointly administered by the USACE and the EPA. Waters of the U.S. are defined as: (1) waters used in interstate or foreign commerce, including all waters subject to the ebb and flow of tides; (2) all interstate waters including interstate wetlands; (3) all other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, etc., which the use, degradation, or destruction could affect interstate/foreign commerce; (4) all impoundments of waters otherwise defined as waters of the U.S., (5) tributaries of waters identified in 1 through 4 above; (6) the territorial seas; and (7) wetlands adjacent to waters identified in 1 through 6 above. Only the USACE has the authority to make a final wetlands jurisdictional determination.

***zoning/land use records***—those records of the local government in which the *proper*ty is located indicating the uses permitted by the local government in particular zones within its jurisdiction. The records may consist of maps and/or written records. They are often located in the planning department of a municipality or county. See 8.3.4.8.

***Acronyms:***

***AULs***—Activity and Use Limitations.

***AHERA***—Asbestos Hazard Emergency Response Act

***BGS***—Below Ground Surface

***CERCLA***—Comprehensive Environmental Response, Compensation and Liability Act of 1980 (as amended, 42 U.S.C. §§9601 *et seq.).*

***CERCLIS***—Comprehensive Environmental Response, Compensation and Liability Information System (maintained by EPA).

***CFR—***Code of Federal Regulations.

***CORRACTS***—facilities subject to Corrective Action under RCRA.

**DOT**—U.S. Department of Transportation

***EPA***—United States Environmental Protection Agency.

***EPCRA***—Emergency Planning and Community Right to Know Act ((also known as SARA Title E0, 42 U.S.C. §§11001-11050 *et seq.).*

***ERNS***—emergency response notification system. 3.3.9 *ESA*—Environmental Site Assessment (different than an environmental *compliance audit,* 3.2.27).

***FOIA***—*U.S.* Freedom of Information Act (5 U.S.C. §552 as amended by Public Law No. 104-231, 110 Stet.). 3.3.11 *FR*—Federal Register.

***ICs***—Institutional Controls.

***LLP***—Landowner Liability Protections under the *Brownfields Amendments*

***LUST***—Leaking Underground Storage Tank.

***MSDS***—Material Safety Data Sheet.

***NCP***—National Contingency Plan.

***NFRAP***—former CERCLIS sites where no further remedial action is planned under CERCLA.

***NPDES***—National Pollutant Discharge Elimination System.

***NPL***—National Priorities List.

***OSHA***—Occupational Safety and Health Administration

***PCBs***—polychlorinated biphenyls.

***PRP***—Poten*ti*ally Responsible Party (pursuant to CERCLA 42 U.S.C. §9607(a)).

***RCRA***—Resource Conservation and Recovery Act (as amended, 42 U.S.C.§§6901 *et seq.).*

***SARA***—Superfund Amendments and Reauthorization Act of 1986 (amendment to CERCLA).

***TPH***—*Total Petoleum Hydrocarbons*

***TSDF***—*hazardous waste* treatment, storage or disposal facility.

***USACE***—United States Army Corps of Engineers

***USC***—United States Code.

***USGS—***United States Geological Survey.

***USNRCS***—United States Department of Agriculture-Natural Resource Conservation Service

***UST***—Underground Storage Tank.

***VCP***—Voluntary Cleanup Program

***VOC***—Volatile Organic Compound

**Significance and Use**

***Uses***—This practice is intended for use on a voluntary basis by parties who wish to assess the environmental condition *of commercial real estate* taking into account commonly known and *reasonably ascertainable* information. While use of this practice is intended to constitute *all appropriate inquiry* for purposes of the *LLPs,* it is not intended that its use be limited to that purpose. This practice is intended primarily as an approach to conducting an inquiry designed to identify *recognized environmental conditions* in connection with a *property.* No implication is intended that a person must use this practice in order to be deemed to have conducted inquiry in a commercially prudent or reasonable manner in any particular transaction. Nevertheless, this practice is intended to reflect a commercially prudent and reasonable inquiry. (See Section 1.6.)

# APPENDIX XI

ASSUMPTIONS, LIMITATIONS & EXCEPTIONS

## Assumptions, Limitations & Exceptions

This ESA represents V3's professional experience and judgment, and a good faith effort to obtain all available information. Information provided to V3 by the {CLIENT COMPANY NAME}, User representatives, site contacts, and others contacted in this regard, have been accepted in good faith and assumed to be accurate, unless contradicted by more credible information. It is to be understood that V3 assumes no responsibility or liability for the accuracy of such documents or accuracy or withholding of information by any of the involved parties, that could affect the transaction. A reasonable attempt was made to obtain all information pertinent to the work scope; however, not all such information may have been received by the data of issuance of the report. Such instances are identified within this report. Consideration of such missing information is beyond the scope of this assessment.

State and federal laws and regulations referenced in this report are provided for information purposes and should not be construed as legal opinion or recommendation.

The ASTM Standard and the AAI Rule identify specific limitations to the due diligence process. These limitations provide guidance for the environmental professional and the User, in determining whether all appropriate inquiry has been conducted. The identified limitations include the following:

- No ESA can wholly eliminate uncertainty regarding the potential for RECs in connection with a property. Certain environmental conditions may exist on the site that are beyond the scope of these identified standards, but may warrant consideration.
- *All appropriate inquiry* does not mean an exhaustive assessment of a clean property.
- Not every property will warrant the same level of assessment.
- It should not be concluded or assumed that an inquiry was not all appropriate inquiry merely because the inquiry did not identify recognized environmental conditions in connection with a property.
- In the event data gaps are identified, the Environmental Professional will endeavor to comment upon the significance of those data gaps. However, the Environmental Professional cannot, and does not warrant or guarantee that no significant events, releases, or conditions arose, during the periods of such data gaps.

The AAI standard indicates that an ESA is valid for a time period of 6 months. Subsequent to this time period, the ESA must be updated in accordance with AAI guidance.

As indicated previously, an ESA is performed for the purpose of satisfying one of the requirements to qualify as an *innocent landowner*, *contiguous property owner*, or *bona fide prospective purchaser,* relative to potential CERCLA liability. It does not address additional requirements in this regard. Such additional requirements include that landowners must meet *Continuing Obligations* to achieve and maintain *LLPs*. Continuing obligations include "*(1)* complying with *land use restrictions* and *institutional controls*; *(2)* taking reasonable steps with respect to *hazardous substance* releases; *(3)* providing full cooperation, assistance, and access to persons that are authorized to conduct response actions or natural resource restoration; *(4)* complying with information requests and administrative subpoenas; and *(5)* providing legally required notices.

The findings, opinions and conclusions of this report are not scientific certainties, but rather, probabilities based on professional judgment concerning the significance of the data gathered during the course of the environmental investigation. V3 is not able to represent that the site or adjoining land contains no hazardous waste, oil, or other latent conditions beyond that detected or observed by V3 during the ESA. The possibility always exists for contaminants to migrate through surface water, air, or groundwater. The ability to completely address the environmental risk associated with transport in these media is beyond the scope of this investigation.

# APPENDIX B
BORING LOGS

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-01

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 5.5 | Water Table Depth (ft) N/A | Location: Across the street from 726 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil | | No odor, no visual | VP-Ard-Ave-GP-01 (3-4) |
| 1 | -1.0 | | | | | | | | | **Fill** - brown gravelly clay-moist | | No odor, no visual | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | **CL (Lean Clay)** - brown clay-moist | | No odor, no visual | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | | | | |
| 5 | -5.0 | | | | | | | | | | | | |

5.5

Refusal at 5.5ft.

Boring backfilled with soil cuttings

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-02

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) 7.0 | Location: Across the street from 724 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | | | | | | | | | **Fill** - Topsoil | | No odor, no visual | |
| 1 | -1.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - brown clay with gravel and crushed red brick-moist | | No odor, no visual | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | **CL (Lean Clay)** - brown clay-moist | | No odor, no visual | VP-Ard-Ave-GP-02 (3-4) |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | | | | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - light brown silty clay-wet/saturated | | Wet at 7 ft., no odor, no visual | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-03

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) 6.0 | Location: Across the street from 714 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil | | No odor, no visual | VP-Ard-Ave-GP-03 (3-4) |
| 1 | -1.0 | | | | | | | | | **Fill** - brown gravelly clay-moist | | No odor, no visual | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | **CL (Lean Clay)** - brown clay-moist | | No odor, no visual | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | | | | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - light brown silty clay-wet/saturated | | Wet at 6 ft., no odor, no visual | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-04

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 712 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil | | No odor, no visual | VP-Ard-Ave-GP-04 (3-4) |
| 1 | -1.0 | | | | | | | | | **Fill** - brown gravelly clay-moist | | No odor, no visual | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | **CL (Lean Clay)** - brown clay-moist-few gray mottles | | No odor, no visual | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | | | | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - light brown silty clay-moist | | No odor, no visual | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-05

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 712 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil | | No odor, no visual | VP-Ard-Ave-GP-05 (3-4) |
| 1 | -1.0 | | | | | | | | | **Fill** - brown gravelly clay-moist | | No odor, no visual | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | **CL (Lean Clay)** - brown clay-moist-few gray mottles | | No odor, no visual | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | | | | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - light brown silty clay-moist | | No odor, no visual | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-06

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 649 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil | | No odor, no visual | VP-Ard-Ave-GP-06 (3-4) |
| 1 | -1.0 | | | | | | | | | | | | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | | | | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | **CL (Lean Clay) -** brown silty clay-moist-gray mottles | | No odor, no visual | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-07

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 12 E. Hill Street |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | | | | | | | | | **Fill** - Topsoil | | No odor, no visual | |
| 1 | -1.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - brown gravelly clay-moist | | No odor, no visual | |
| 2 | -2.0 | | | | | | | | | | | | |
| 3 | -3.0 | | | | NA | NA | NA | NA | 0 | **ML (Silt)** - light brown clayey silt-dry | | No odor, no visual | VP-Ard-Ave-GP-07 (3-4) |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - brown silty clay with trace sand-hard-moist-gray mottles | | No odor, no visual | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-08

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 12 E. Hill St. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil | | No odor, no visual | VP-Ard-Ave-GP-08 (3-4) |
| 1 | -1.0 | | | | | | | | | **Fill -** gravel | | No odor, no visual | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | | | | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | **CL (Lean Clay) -** dark brown silty clay-moist | | No odor, no visual | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-09

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 415 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | | | | | | | | | Asphalt | | | |
| | | | | | NA | NA | NA | NA | 0 | **Fill -** gravel | | No odor, no visual | |
| 1 | -1.0 | 1 | PL | | | | | | | | | | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | **CL (Lean Clay)** - brown clay-moist-few gray mottles | | No odor, no visual | VP-Ard-Ave-GP-09 (3-5) |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | | | | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - brown silty clay with trace sand-moist-few gray mottles | | No odor, no visual | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-10

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 414 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil and clay | | No odor, no visual | VP-Ard-Ave-GP-10 (3-4) |
| 1 | -1.0 | | | | | | | | | | | | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | **Fill** - brown gravelly clay | | No odor, no visual | |
| 3 | -3.0 | | | | | | | | | | | | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - brown silty clay with trace sand-moist-gray mottles | | No odor, no visual | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# SOIL BORING LOG

***N. Ardmore Avenue Streetscape Improvements***

Boring: VPArdAve-GP-11

Sheet No: 1 of 1

Project No: 13193

| | | |
|---|---|---|
| Date Started: 11/04/14 | Date Finished: 11/04/14 | Logged by: Lynn Smith |
| Total Depth (ft) 8.0 | Water Table Depth (ft) N/A | Location: Across the street from 351 N. Ardmore Ave. |
| Drilling Contr.: Direct Push | Driller: Kevin Collins | |
| Drill Rig: Track Rig Geoprobe | Hammer: Direct Push | Ground Elev.: |

| Depth (ft) | Elevation (ft) | Sample No | Sampler Type | Sample Interval | Blows / 6 in. | SPT N (bpf) | Qp (tsf) | Wc (%) | PID (~ ppm) | Lithologic Descriptions | Lithology | Observations | Sample |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 0.0 | 1 | PL | | NA | NA | NA | NA | 0 | **Fill** - Topsoil and clay | | No odor, no visual | VP-Ard-Ave-GP-11 (3-5) |
| 1 | -1.0 | | | | | | | | | **Fill** - brown gravelly clay | | No odor, no visual | |
| 2 | -2.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 3 | -3.0 | | | | | | | | | | | | |
| 4 | -4.0 | 2 | PL | | NA | NA | NA | NA | 0 | **CL (Lean Clay)** - brown silty clay with trace sand-moist-gray mottles | | No odor, no visual | |
| 5 | -5.0 | | | | | | | | | | | | |
| 6 | -6.0 | | | | NA | NA | NA | NA | 0 | | | | |
| 7 | -7.0 | | | | | | | | | | | | |
| 8 | | | | | | | | | | EOB at 8 ft. | | | |

Boring backfilled with soil cuttings and bentonite

PL= Plastic Liner

NA= Not Applicable

# APPENDIX C
## PHOTO LOGS




**PHOTO 1**

Date: January 01, 2013

West side of N. Ardmore Ave. looking south from Schiller St.




**PHOTO 2**

West side of N. Ardmore Ave. looking north from the bridge.



**PHOTO 3**

East side of N. Ardmore Ave. looking south.




**PHOTO 4**

East side of N. Ardmore Ave. looking north from W. Ridge St.



**PHOTO 5**

West side of N. Ardmore Ave. looking north from W. Ridge St.



**PHOTO 6**

Laundromat (former cleaners) on west side of N. Ardmore Ave. looking south.



**PHOTO 7**

Multi-tenant commercial building and 7-11 on west side of N. Ardmore Ave. looking southwest.



**PHOTO 8**

Vacant parcel (former Tyler's Citgo & Auto Repair) and multi-tenant commercial building on east side of N. Ardmore Ave. looking northeast.



**PHOTO 9**

Multi-tenant building, former Standard Oil, on east side of N. Ardmore Ave. looking southeast.

# APPENDIX D

## LABORATORY REPORTS

STAT Analysis Corporation
*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766*
*Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com*
*Accreditations: IEPA ELAP 100445; ORELAP IL300001; AIHA-LAP, LLC 101160; NVLAP LabCode 101202-0*

November 12, 2014

V3 Companies of Illinois
7325 Janes Avenue
Woodridge, IL 60517
Telephone: (630) 724-9200
Fax: (630) 724-9202

Analytical Report for STAT Work Order: 14110067 Revision 0

RE: 13193, Ardmore Avenue Streetscape, Improvements

Dear Lynn Smith:

STAT Analysis received 11 samples for the referenced project on 11/4/2014 2:35:00 PM. The analytical results are presented in the following report.

All analyses were performed in accordance with the requirements of 35 IAC Part 186 / NELAC standards. Analyses were performed in accordance with methods as referenced on the analytical report. Those analytical results expressed on a dry weight basis are also noted on the analytical report.

All analyses were performed within established holding time criteria, and all Quality Control criteria met EPA or laboratory specifications except when noted in the Case Narrative or Analytical Report. If required, an estimate of uncertainty for the analyses can be provided. A listing of accredited methods/parameters can also be provided.

Thank you for the opportunity to serve you and I look forward to working with you in the future. If you have any questions regarding the enclosed materials, please contact me at (312) 733-0551.

Sincerely,

Michelle Budniak
Project Manager

*The information contained in this report and any attachments is confidential information intended only for the use of the individual or entities named above. The results of this report relate only to the samples tested. If you have received this report in error, please notify us immediately by phone.This report shall not be reproduced, except in its entirety, unless written approval has been obtained from the laboratory. This analytical report shall become property of the Customer upon payment in full. Otherwise, STAT will be under no obligation to support, defend or discuss the analytical report.*

**Client:** V3 Companies of Illinois
**Project:** 13193, Ardmore Avenue Streetscape, Improvements
**Work Order:** 14110067 Revision 0

## Work Order Sample Summary

| Lab Sample ID | Client Sample ID | Tag Number | Collection Date | Date Received |
|---|---|---|---|---|
| 14110067-001A | VP-Ard-Ave-GP-01-(3-4') | | 11/4/2014 8:08:00 AM | 11/4/2014 |
| 14110067-001B | VP-Ard-Ave-GP-01-(3-4') | | 11/4/2014 8:08:00 AM | 11/4/2014 |
| 14110067-002A | VP-Ard-Ave-GP-02-(3-4') | | 11/4/2014 8:23:00 AM | 11/4/2014 |
| 14110067-002B | VP-Ard-Ave-GP-02-(3-4') | | 11/4/2014 8:23:00 AM | 11/4/2014 |
| 14110067-003A | VP-Ard-Ave-GP-03-(3-4') | | 11/4/2014 8:42:00 AM | 11/4/2014 |
| 14110067-003B | VP-Ard-Ave-GP-03-(3-4') | | 11/4/2014 8:42:00 AM | 11/4/2014 |
| 14110067-004A | VP-Ard-Ave-GP-04-(3-4') | | 11/4/2014 9:00:00 AM | 11/4/2014 |
| 14110067-004B | VP-Ard-Ave-GP-04-(3-4') | | 11/4/2014 9:00:00 AM | 11/4/2014 |
| 14110067-005A | VP-Ard-Ave-GP-05-(3-4') | | 11/4/2014 9:25:00 AM | 11/4/2014 |
| 14110067-005B | VP-Ard-Ave-GP-05-(3-4') | | 11/4/2014 9:25:00 AM | 11/4/2014 |
| 14110067-006A | VP-Ard-Ave-GP-06-(3-4') | | 11/4/2014 10:40:00 AM | 11/4/2014 |
| 14110067-006B | VP-Ard-Ave-GP-06-(3-4') | | 11/4/2014 10:40:00 AM | 11/4/2014 |
| 14110067-007A | VP-Ard-Ave-GP-07-(3-4') | | 11/4/2014 10:20:00 AM | 11/4/2014 |
| 14110067-007B | VP-Ard-Ave-GP-07-(3-4') | | 11/4/2014 10:20:00 AM | 11/4/2014 |
| 14110067-008A | VP-Ard-Ave-GP-08-(3-4') | | 11/4/2014 9:57:00 AM | 11/4/2014 |
| 14110067-008B | VP-Ard-Ave-GP-08-(3-4') | | 11/4/2014 9:57:00 AM | 11/4/2014 |
| 14110067-009A | VP-Ard-Ave-GP-09-(3-5') | | 11/4/2014 12:10:00 PM | 11/4/2014 |
| 14110067-009B | VP-Ard-Ave-GP-09-(3-5') | | 11/4/2014 12:10:00 PM | 11/4/2014 |
| 14110067-010A | VP-Ard-Ave-GP-10-(3-4') | | 11/4/2014 11:40:00 AM | 11/4/2014 |
| 14110067-010B | VP-Ard-Ave-GP-10-(3-4') | | 11/4/2014 11:40:00 AM | 11/4/2014 |
| 14110067-011A | VP-Ard-Ave-GP-11-(3-5') | | 11/4/2014 12:40:00 PM | 11/4/2014 |
| 14110067-011B | VP-Ard-Ave-GP-11-(3-5') | | 11/4/2014 12:40:00 PM | 11/4/2014 |

**CLIENT:** V3 Companies of Illinois
**Project:** 13193, Ardmore Avenue Streetscape, Improvements
**Work Order:** 14110067 Revision 0

# CASE NARRATIVE

The VOC soil Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD) analyzed 11/7/2014 had recovery of Bromomethane outside of control limits (52%/56% (LCS/LCSD) recovery, QC limits 70-130%).

**STAT Analysis Corporation**
*2242 West Harrison St., Suite 200, Chicago, IL 60612-3766*
*Tel: (312) 733-0551 Fax: (312) 733-2386 STATinfo@STATAnalysis.com*
*Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0*

**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-001

**Client Sample ID:** VP-Ard-Ave-GP-01-(3-4')
**Collection Date:** 11/4/2014 8:08:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBs** | **SW8082 (SW3550B)** | | | Prep Date: **11/12/2014** | | Analyst: **GVC** |
| Aroclor 1016 | ND | 0.098 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1221 | ND | 0.098 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1232 | ND | 0.098 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1242 | ND | 0.098 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1248 | ND | 0.098 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1254 | ND | 0.098 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1260 | ND | 0.098 | | mg/Kg-dry | 1 | 11/12/2014 |
| **TCLP Mercury** | **SW1311/7470A** | | | Prep Date: **11/5/2014** | | Analyst: **LB** |
| Mercury | ND | 0.00020 | | mg/L | 1 | 11/5/2014 |
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.032 | 0.024 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 10 | 1.1 | | mg/Kg-dry | 10 | 11/6/2014 |
| Barium | 100 | 1.1 | | mg/Kg-dry | 10 | 11/6/2014 |
| Cadmium | ND | 0.56 | | mg/Kg-dry | 10 | 11/6/2014 |
| Chromium | 24 | 1.1 | | mg/Kg-dry | 10 | 11/6/2014 |
| Lead | 32 | 0.56 | | mg/Kg-dry | 10 | 11/6/2014 |
| Selenium | ND | 1.1 | | mg/Kg-dry | 10 | 11/6/2014 |
| Silver | ND | 1.1 | | mg/Kg-dry | 10 | 11/6/2014 |
| **TCLP Metals by ICP/MS** | **SW1311/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Arsenic | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Barium | 0.87 | 0.050 | | mg/L | 5 | 11/5/2014 |
| Cadmium | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Chromium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Lead | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Selenium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Silver | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | 0.040 | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | 0.042 | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |

**Qualifiers:**
ND - Not Detected at the Reporting Limit
J - Analyte detected below quanititation limits
B - Analyte detected in the associated Method Blank
HT - Sample received past holding time
* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
H - Holding time exceeded

**STAT Analysis Corporation**
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*Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0*

**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-001

**Client Sample ID:** VP-Ard-Ave-GP-01-(3-4')
**Collection Date:** 11/4/2014 8:08:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Chrysene | 0.051 | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | 0.090 | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | 0.077 | 0.040 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.073 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | 0.0058 | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.073 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon tetrachloride | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |

**Qualifiers:**
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*Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0*

**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-001

**Client Sample ID:** VP-Ard-Ave-GP-01-(3-4')
**Collection Date:** 11/4/2014 8:08:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Toluene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0049 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.015 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 7.5 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 20.0 | 0.2 | * | wt% | 1 | 11/5/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-002

**Client Sample ID:** VP-Ard-Ave-GP-02-(3-4')
**Collection Date:** 11/4/2014 8:23:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBs** | | **SW8082 (SW3550B)** | | Prep Date: **11/12/2014** | | Analyst: **GVC** |
| Aroclor 1016 | ND | 0.099 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1221 | ND | 0.099 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1232 | ND | 0.099 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1242 | ND | 0.099 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1248 | ND | 0.099 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1254 | ND | 0.099 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1260 | ND | 0.099 | | mg/Kg-dry | 1 | 11/12/2014 |
| **TCLP Mercury** | | **SW1311/7470A** | | Prep Date: **11/5/2014** | | Analyst: **LB** |
| Mercury | ND | 0.00020 | | mg/L | 1 | 11/5/2014 |
| **Mercury** | | **SW7471A** | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.030 | 0.022 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | | **SW6020 (SW3050B)** | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 14 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 200 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.56 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 30 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 35 | 0.56 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | 1.2 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| **TCLP Metals by ICP/MS** | | **SW1311/6020 (SW3005A)** | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Arsenic | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Barium | 0.38 | 0.050 | | mg/L | 5 | 11/5/2014 |
| Cadmium | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Chromium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Lead | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Selenium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Silver | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | | **SW8270C (SW3550B)** | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-002

**Client Sample ID:** VP-Ard-Ave-GP-02-(3-4')
**Collection Date:** 11/4/2014 8:23:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Chrysene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.073 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.073 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon tetrachloride | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0097 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-002

**Client Sample ID:** VP-Ard-Ave-GP-02-(3-4')
**Collection Date:** 11/4/2014 8:23:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Toluene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0048 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.015 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 7.4 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 19.4 | 0.2 | * | wt% | 1 | 11/5/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-003

**Client Sample ID:** VP-Ard-Ave-GP-03-(3-4')
**Collection Date:** 11/4/2014 8:42:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBs** | | **SW8082 (SW3550B)** | | Prep Date: **11/12/2014** | | Analyst: **GVC** |
| Aroclor 1016 | ND | 0.095 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1221 | ND | 0.095 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1232 | ND | 0.095 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1242 | ND | 0.095 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1248 | ND | 0.095 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1254 | ND | 0.095 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1260 | ND | 0.095 | | mg/Kg-dry | 1 | 11/12/2014 |
| **TCLP Mercury** | | **SW1311/7470A** | | Prep Date: **11/5/2014** | | Analyst: **LB** |
| Mercury | ND | 0.00020 | | mg/L | 1 | 11/5/2014 |
| **Mercury** | | **SW7471A** | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.037 | 0.021 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | | **SW6020 (SW3050B)** | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 14 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 140 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.51 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 33 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 27 | 0.51 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| **TCLP Metals by ICP/MS** | | **SW1311/6020 (SW3005A)** | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Arsenic | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Barium | 0.63 | 0.050 | | mg/L | 5 | 11/5/2014 |
| Cadmium | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Chromium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Lead | 0.012 | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Selenium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Silver | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | | **SW8270C (SW3550B)** | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-003

**Client Sample ID:** VP-Ard-Ave-GP-03-(3-4')
**Collection Date:** 11/4/2014 8:42:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Chrysene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | 0.067 | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | 0.051 | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.074 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.074 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon tetrachloride | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0020 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0020 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |

**Qualifiers:**
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*Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0*

**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-003

**Client Sample ID:** VP-Ard-Ave-GP-03-(3-4')
**Collection Date:** 11/4/2014 8:42:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Toluene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.015 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 7.8 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 16.2 | 0.2 | * | wt% | 1 | 11/5/2014 |

**Qualifiers:**

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-004

**Client Sample ID:** VP-Ard-Ave-GP-04-(3-4')
**Collection Date:** 11/4/2014 9:00:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.026 | 0.022 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 12 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 78 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.51 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 29 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 23 | 0.51 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| **SPLP Metals by ICP/MS** | **SW1312/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Chromium | 0.018 | 0.0040 | | mg/L | 2 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Chrysene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.062 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | 0.0052 | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0083 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.062 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.042 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-004

**Client Sample ID:** VP-Ard-Ave-GP-04-(3-4')
**Collection Date:** 11/4/2014 9:00:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Carbon tetrachloride | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0083 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0083 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0017 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0017 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.017 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.017 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0083 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Toluene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0042 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.012 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 7.9 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 15.7 | 0.2 | * | wt% | 1 | 11/5/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-005

**Client Sample ID:** VP-Ard-Ave-GP-05-(3-4')
**Collection Date:** 11/4/2014 9:25:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.047 | 0.024 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 12 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 180 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.54 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 36 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 28 | 0.54 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| **SPLP Metals by ICP/MS** | **SW1312/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Chromium | 0.023 | 0.0040 | | mg/L | 2 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Chrysene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | ND | 0.041 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.067 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | 0.0054 | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0089 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.067 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.045 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-005

**Client Sample ID:** VP-Ard-Ave-GP-05-(3-4')
**Collection Date:** 11/4/2014 9:25:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Carbon tetrachloride | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0089 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0089 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0018 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0018 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.018 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.018 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0089 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Toluene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0045 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.013 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 8.0 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 21.4 | 0.2 | * | wt% | 1 | 11/5/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-006

**Client Sample ID:** VP-Ard-Ave-GP-06-(3-4')
**Collection Date:** 11/4/2014 10:40:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBs** | | **SW8082 (SW3550B)** | | Prep Date: **11/12/2014** | | Analyst: **GVC** |
| Aroclor 1016 | ND | 0.093 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1221 | ND | 0.093 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1232 | ND | 0.093 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1242 | ND | 0.093 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1248 | ND | 0.093 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1254 | ND | 0.093 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1260 | ND | 0.093 | | mg/Kg-dry | 1 | 11/12/2014 |
| **TCLP Mercury** | | **SW1311/7470A** | | Prep Date: **11/5/2014** | | Analyst: **LB** |
| Mercury | ND | 0.00020 | | mg/L | 1 | 11/5/2014 |
| **Mercury** | | **SW7471A** | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.023 | 0.021 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | | **SW6020 (SW3050B)** | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 11 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 86 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.52 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 27 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 22 | 0.52 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| **TCLP Metals by ICP/MS** | | **SW1311/6020 (SW3005A)** | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Arsenic | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Barium | 0.40 | 0.050 | | mg/L | 5 | 11/5/2014 |
| Cadmium | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Chromium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Lead | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Selenium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Silver | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | | **SW8270C (SW3550B)** | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |

**Qualifiers:**
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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-006

**Client Sample ID:** VP-Ard-Ave-GP-06-(3-4')
**Collection Date:** 11/4/2014 10:40:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Chrysene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | 0.054 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | 0.042 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.076 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | 0.0069 | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.010 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.076 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon tetrachloride | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.010 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.010 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0020 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0020 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.010 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-006

**Client Sample ID:** VP-Ard-Ave-GP-06-(3-4')
**Collection Date:** 11/4/2014 10:40:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Toluene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.015 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 8.2 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 15.1 | 0.2 | * | wt% | 1 | 11/5/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-007

**Client Sample ID:** VP-Ard-Ave-GP-07-(3-4')
**Collection Date:** 11/4/2014 10:20:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.046 | 0.022 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 16 | 1.2 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 120 | 1.2 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.59 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 31 | 1.2 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 25 | 0.59 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.2 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.2 | | mg/Kg-dry | 10 | 11/7/2014 |
| **SPLP Metals by ICP/MS** | **SW1312/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Chromium | 0.020 | 0.0040 | | mg/L | 2 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Chrysene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | ND | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.082 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.011 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.082 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.055 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-007

**Client Sample ID:** VP-Ard-Ave-GP-07-(3-4')
**Collection Date:** 11/4/2014 10:20:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Carbon tetrachloride | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.011 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.011 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0022 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0022 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.022 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.022 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.011 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Toluene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0055 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.016 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 7.4 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 15.1 | 0.2 | * | wt% | 1 | 11/5/2014 |

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**Date Reported:** November 12, 2014
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# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-008

**Client Sample ID:** VP-Ard-Ave-GP-08-(3-4')
**Collection Date:** 11/4/2014 9:57:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.028 | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 10 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 110 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.51 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 26 | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 52 | 0.51 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.0 | | mg/Kg-dry | 10 | 11/7/2014 |
| **SPLP Metals by ICP/MS** | **SW1312/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Chromium | 0.0097 | 0.0040 | | mg/L | 2 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | 0.14 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | 0.069 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | 0.57 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | 1.1 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | 0.96 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | 1.2 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | 0.66 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | 0.76 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Chrysene | 1.1 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | 0.33 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | 2.9 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | 0.25 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | 0.60 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | 0.077 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | 2.0 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | 2.1 | 0.038 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.070 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.070 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.047 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-008

**Client Sample ID:** VP-Ard-Ave-GP-08-(3-4')
**Collection Date:** 11/4/2014 9:57:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Carbon tetrachloride | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Toluene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.014 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 7.7 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 14.8 | 0.2 | * | wt% | 1 | 11/5/2014 |

**Qualifiers:**

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*Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0*

**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-009

**Client Sample ID:** VP-Ard-Ave-GP-09-(3-5')
**Collection Date:** 11/4/2014 12:10:00 PM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.024 | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 50 | 1.2 | | mg/Kg-dry | 10 | 11/6/2014 |
| Barium | 79 | 1.2 | | mg/Kg-dry | 10 | 11/6/2014 |
| Cadmium | ND | 0.62 | | mg/Kg-dry | 10 | 11/6/2014 |
| Chromium | 22 | 1.2 | | mg/Kg-dry | 10 | 11/6/2014 |
| Lead | 51 | 0.62 | | mg/Kg-dry | 10 | 11/6/2014 |
| Selenium | ND | 1.2 | | mg/Kg-dry | 10 | 11/6/2014 |
| Silver | ND | 1.2 | | mg/Kg-dry | 10 | 11/6/2014 |
| **SPLP Metals by ICP/MS** | **SW1312/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Chromium | 0.021 | 0.0040 | | mg/L | 2 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Chrysene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.074 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | 0.0066 | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.074 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.050 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-009

**Client Sample ID:** VP-Ard-Ave-GP-09-(3-5')
**Collection Date:** 11/4/2014 12:10:00 PM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Carbon tetrachloride | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0020 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0020 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.020 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0099 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Toluene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0050 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.015 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 8.0 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 17.5 | 0.2 | * | wt% | 1 | 11/5/2014 |

**Qualifiers:**

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-010

**Client Sample ID:** VP-Ard-Ave-GP-10-(3-4')
**Collection Date:** 11/4/2014 11:40:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.060 | 0.022 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 18 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 110 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.57 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 30 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 26 | 0.57 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| **SPLP Metals by ICP/MS** | **SW1312/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Chromium | 0.048 | 0.0040 | | mg/L | 2 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Chrysene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.070 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.070 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.047 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-010

**Client Sample ID:** VP-Ard-Ave-GP-10-(3-4')
**Collection Date:** 11/4/2014 11:40:00 AM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Carbon tetrachloride | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0094 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Toluene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0047 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.014 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/5/2014** | | Analyst: **RW** |
| pH | 7.2 | | | pH Units | 1 | 11/5/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 16.9 | 0.2 | * | wt% | 1 | 11/5/2014 |

**Qualifiers:**

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* - Non-accredited parameter
RL - Reporting / Quantitation Limit for the analysis
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E - Value above quantitation range
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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-011

**Client Sample ID:** VP-Ard-Ave-GP-11-(3-5')
**Collection Date:** 11/4/2014 12:40:00 PM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **PCBs** | **SW8082 (SW3550B)** | | | Prep Date: **11/12/2014** | | Analyst: **GVC** |
| Aroclor 1016 | ND | 0.094 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1221 | ND | 0.094 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1232 | ND | 0.094 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1242 | ND | 0.094 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1248 | ND | 0.094 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1254 | ND | 0.094 | | mg/Kg-dry | 1 | 11/12/2014 |
| Aroclor 1260 | ND | 0.094 | | mg/Kg-dry | 1 | 11/12/2014 |
| **TCLP Mercury** | **SW1311/7470A** | | | Prep Date: **11/5/2014** | | Analyst: **LB** |
| Mercury | ND | 0.00020 | | mg/L | 1 | 11/5/2014 |
| **Mercury** | **SW7471A** | | | Prep Date: **11/7/2014** | | Analyst: **LB** |
| Mercury | 0.034 | 0.019 | | mg/Kg-dry | 1 | 11/7/2014 |
| **Metals by ICP/MS** | **SW6020 (SW3050B)** | | | Prep Date: **11/6/2014** | | Analyst: **JG** |
| Arsenic | 13 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Barium | 100 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Cadmium | ND | 0.53 | | mg/Kg-dry | 10 | 11/7/2014 |
| Chromium | 29 | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Lead | 23 | 0.53 | | mg/Kg-dry | 10 | 11/7/2014 |
| Selenium | ND | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| Silver | ND | 1.1 | | mg/Kg-dry | 10 | 11/7/2014 |
| **TCLP Metals by ICP/MS** | **SW1311/6020 (SW3005A)** | | | Prep Date: **11/5/2014** | | Analyst: **JG** |
| Arsenic | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Barium | 0.53 | 0.050 | | mg/L | 5 | 11/5/2014 |
| Cadmium | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Chromium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Lead | ND | 0.0050 | | mg/L | 5 | 11/5/2014 |
| Selenium | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| Silver | ND | 0.010 | | mg/L | 5 | 11/5/2014 |
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Acenaphthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Acenaphthylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benz(a)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(a)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(b)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(g,h,i)perylene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Benzo(k)fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |

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*Accreditations:IEPA ELAP 100445;ORELAP IL300001;AIHA-LAP, LLC 101160;NVLAP LabCode 101202-0*

**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-011

**Client Sample ID:** VP-Ard-Ave-GP-11-(3-5')
**Collection Date:** 11/4/2014 12:40:00 PM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Polynuclear Aromatic Hydrocarbons by GC/MS** | **SW8270C (SW3550B)** | | | Prep Date: **11/10/2014** | | Analyst: **DM** |
| Chrysene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Dibenz(a,h)anthracene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluoranthene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Fluorene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Indeno(1,2,3-cd)pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Naphthalene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Phenanthrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| Pyrene | ND | 0.039 | | mg/Kg-dry | 1 | 11/11/2014 |
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Acetone | ND | 0.065 | | mg/Kg-dry | 1 | 11/7/2014 |
| Benzene | 0.0058 | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromodichloromethane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromoform | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Bromomethane | ND | 0.0087 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Butanone | ND | 0.065 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon disulfide | ND | 0.044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Carbon tetrachloride | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chlorobenzene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroethane | ND | 0.0087 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloroform | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Chloromethane | ND | 0.0087 | | mg/Kg-dry | 1 | 11/7/2014 |
| Dibromochloromethane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloroethane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1-Dichloroethene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,2-Dichloroethene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,2-Dichloroethene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,2-Dichloropropane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| cis-1,3-Dichloropropene | ND | 0.0017 | | mg/Kg-dry | 1 | 11/7/2014 |
| trans-1,3-Dichloropropene | ND | 0.0017 | | mg/Kg-dry | 1 | 11/7/2014 |
| Ethylbenzene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 2-Hexanone | ND | 0.017 | | mg/Kg-dry | 1 | 11/7/2014 |
| 4-Methyl-2-pentanone | ND | 0.017 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methylene chloride | ND | 0.0087 | | mg/Kg-dry | 1 | 11/7/2014 |
| Methyl tert-butyl ether | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Styrene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2,2-Tetrachloroethane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Tetrachloroethene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |

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**Date Reported:** November 12, 2014
**Date Printed:** November 12, 2014

# ANALYTICAL RESULTS

**Client:** V3 Companies of Illinois
**Work Order:** 14110067 Revision 0
**Project:** 13193, Ardmore Avenue Streetscape, Improvement
**Lab ID:** 14110067-011

**Client Sample ID:** VP-Ard-Ave-GP-11-(3-5')
**Collection Date:** 11/4/2014 12:40:00 PM
**Matrix:** Soil

| Analyses | Result | RL | Qualifier | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **Volatile Organic Compounds by GC/MS** | **SW5035/8260B** | | | Prep Date: **11/4/2014** | | Analyst: **ART** |
| Toluene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,1-Trichloroethane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| 1,1,2-Trichloroethane | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Trichloroethene | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Vinyl chloride | ND | 0.0044 | | mg/Kg-dry | 1 | 11/7/2014 |
| Xylenes, Total | ND | 0.013 | | mg/Kg-dry | 1 | 11/7/2014 |
| **pH (25 °C)** | **SW9045C** | | | Prep Date: **11/6/2014** | | Analyst: **VA** |
| pH | 8.0 | | | pH Units | 1 | 11/6/2014 |
| **Percent Moisture** | **D2974** | | | Prep Date: **11/4/2014** | | Analyst: **MD** |
| Percent Moisture | 15.7 | 0.2 | * | wt% | 1 | 11/5/2014 |

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**CHAIN OF CUSTODY RECORD** **N°:** 856928 **Page :** of

Company: V3 Companies, Ltd
Project Number: 13193 Client Tracking No.:
Project Name: Ardmore Avenue Streetscape Improvements - PSI
Project Location: Ardmore Avenue, Villa Park, IL
Sampler(s): Lynn P. Smith
Report To: lsmith@v3co.com Phone: 630-729-6219
Fax: 630-540-2363
QC Level: 1 Standard 2 3 4 e-mail: lsmith@v3co.com

P.O. No.:
Quote No.:

Turn Around: 5-day
Results Needed: 11/11/14 am/pm

| Client Sample Number/Description: | Date Taken | Time Taken | Matrix | Comp. | Grab | Preserv. | No. of Containers | VOCs | PNAs | PCBs | SPLP Chromium | RCRA 8 Metals (Total) | RCRA 8 Metals (TCLP) | pH | Remarks | Lab No.: |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| VP-Ard Ave-GP01-(3-4') | 11-04-14 | 0808 | S | | X | F/A | 4 | X | X | X | | X | X | X | | 001 |
| VP-Ard Ave-GP-02-(3-4') | " | 0823 | " | | X | F/A | 4 | X | X | X | | X | X | X | | 002 |
| VP-Ard Ave-GP03-(3-4') | | 0842 | | | X | F/A | 4 | X | X | X | | X | X | X | | 003 |
| VP-Ard Ave-GP-04-(3-4') | | 0900 | | | X | F/A | 4 | X | X | X | X | X | | X | no PCB for GP04 | 004 |
| VP-Ard Ave-GP-05-(3-4') | | 0925 | | | X | F/A | 4 | X | X | X | X | X | | X | no PCB for GP05 | 005 |
| VP-Ard Ave-GP-06-(3-4') | | 1040 | | | X | F/A | 4 | X | X | X | | X | X | X | | 006 |
| VP-Ard Ave-GP-07-(3-4') | | 1020 | | | X | F/A | 4 | X | X | | X | X | | X | | 007 |
| VP-Ard Ave-GP-08-(3-4') | | 0957 | | | X | F/A | 4 | X | X | | X | X | | X | | 008 |
| VP-Ard Ave-GP-09-(3-5') | | 1210 | | | X | F/A | 4 | X | X | | X | X | | X | | 009 |
| VP-Ard Ave-GP-10-(3-4') | | 1140 | | | X | F/A | 4 | X | X | | X | X | | X | | 010 |
| VP-Ard Ave-GP-11 (3-5') | ↓ | 1240 | ↓ | | X | F/A | 4 | X | X | X | | X | X | X | | 011 |

| | | |
|---|---|---|
| Relinquished by: (Signature) Lynn P. Smith | Date/Time: 11/4/14 1332 | **Comments:** |
| Received by: (Signature) | Date/Time: 11/4/14 1332 | |
| Relinquished by: (Signature) | Date/Time: 11/4/14 1435 | |
| Received by: (Signature) | Date/Time: 11/4/14 1435 | |
| Relinquished by: (Signature) | Date/Time: | **Preservation Code:** A = None B = $HNO_3$ C = NaOH D = $H_2SO_4$ E = HCl F = 5035/EnCore G = Other |
| Received by: (Signature) | Date/Time: | |

**Laboratory Work Order No.:** 14110067

**Received on Ice:** Yes [X] No [ ]

**Temperature:** 2.3 °C

**STAT Analysis Corporation**

# Sample Receipt Checklist

Client Name V3 | Date and Time Received: 11/4/2014 2:35:00 PM

Work Order Number 14110067 | Received by: DO

Checklist completed by: Signature 11/4/14 Date | Reviewed by: Initials 11/12/14 Date

Matrix: | Carrier name STAT Analysis

| | | | |
|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ |
| Custody seals intact on shippping container/cooler? | Yes ☐ | No ☐ | Not Present ☑ |
| Custody seals intact on sample bottles? | Yes ☐ | No ☐ | Not Present ☑ |
| Chain of custody present? | Yes ☑ | No ☐ | |
| Chain of custody signed when relinquished and received? | Yes ☑ | No ☐ | |
| Chain of custody agrees with sample labels/containers? | Yes ☑ | No ☐ | |
| Samples in proper container/bottle? | Yes ☑ | No ☐ | |
| Sample containers intact? | Yes ☑ | No ☐ | |
| Sufficient sample volume for indicated test? | Yes ☑ | No ☐ | |
| All samples received within holding time? | Yes ☑ | No ☐ | |
| Container or Temp Blank temperature in compliance? | Yes ☑ | No ☐ | Temperature 2.3 °C |
| Water - VOA vials have zero headspace? | No VOA vials submitted ☐ | Yes ☐ | No ☐ |
| Water - Samples pH checked? | Yes ☐ | No ☐ | Checked by: |
| Water - Samples properly preserved? | Yes ☐ | No ☐ | pH Adjusted? |

Any No response must be detailed in the comments section below.

Comments:

Client / Person contacted: Date contacted: Contacted by:

Response: