

VILLAGE OF VILLA PARK
DUPAGE COUNTY, ILLINOIS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	1
ILLINOIS		

WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS

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E. WASHINGTON STREET

W. WASHINGTON STREET



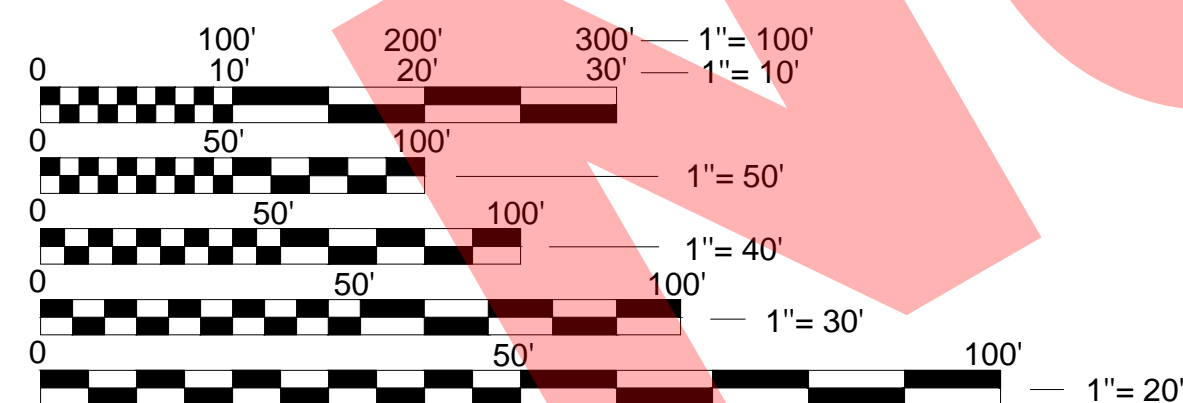
EUCLID AVENUE SITE

GRANT AVENUE
END STA. 5+76

GRANT AVENUE
BEGIN STA. 0+00

--- PROJECT AREA
■ SITE LOCATIONS

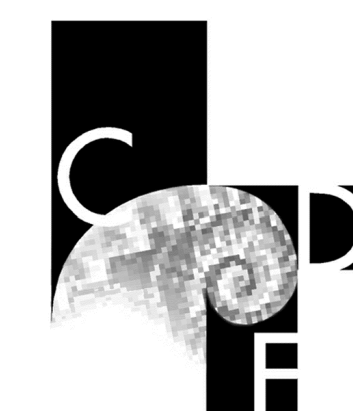
VILLAGE OF VILLA PARK



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

GRANT AVENUE
EUCLID AVENUE SITE (OFF STREET)
EAST WASHINGTON STREET
WEST WASHINGTON STREET



PREPARED BY:
CONSERVATION DESIGN FORUM
403 W. ST CHARLES ROAD
LOMBARD, ILLINOIS 60148
630-559-2000 P
630-559-2030 F
WWW.CDFINC.COM



ALEX HEIDTKE, PE DATE
LICENSE EXPIRES: 11/30/2017

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

- All construction shall be done in accordance with the applicable sections of the following documents:
 - "Standard Specifications for Road and Bridge Construction", adopted April 1, 2016, by the Illinois Department of Transportation;
 - "Supplemental Specifications and Recurring Special Provisions", adopted January 1, 2017, by the Illinois Department of Transportation;
 - "Manual on Uniform Traffic Control and Protection", most current edition;
 - "Standard Specifications for Water & Sewer Main Construction in Illinois", 7th edition, 2014;
 - Codes and ordinances, latest edition, Village of Villa Park.
 - Special provisions.
- In case of conflict with any part or parts of the "Standard Specifications for Road and Bridge Construction" and the Supplemental Provisions, the Special Provisions shall take precedence and shall govern.

NOTIFICATIONS

- Before starting any excavation, the contractor shall call "J.U.L.I.E." at 811 for field locations of buried electric, telephone, and gas facilities. 48 hour notification is required.
- The contractor shall be responsible for contacting the owners of all existing facilities so that the facilities and their appurtenances may be located and adjusted or moved, if necessary, prior to the start of construction.
- The contractor shall coordinate construction activities with utility companies and the Village of Villa Park.

TRAFFIC CONTROL

- All traffic control and other advisory signs needed for construction are to be furnished by the contractor in accordance with division 700 of the standard specifications.

UTILITIES

- The approximate locations of existing utilities are shown on the plans according to information obtained from utility companies and surveys. However, there is no guarantee of completeness or accuracy of the information regarding utilities, either public or private, such as sewers, water mains, gas mains, telephone lines, electric lines, manholes, catch basins, inlets, or other similar pipes, lines, and structures. The contractor shall verify the exact location of all utilities that may interfere with construction operations and report to the engineer omissions and differences from the locations shown on the drawings. The contractor shall be fully responsible for any and all damages which are occasioned by the failure to exactly locate and preserve any and all underground utilities.
- The contractor shall be responsible for the protection of all underground or surface utilities even though they may not be shown on the plans. Any utility that is damaged during construction shall be repaired or replaced to the satisfaction of the engineer and the utility owner. This work shall be solely at the contractor's expense.

VILLAGE OF VILLA PARK STANDARD ENGINEERING NOTES

- The Public Works Department, (630)-834-8505, must be notified twenty-four (24) hours in advance for inspections and shutoffs and forty-eight (48) hours in advance for water taps.
- One (1) set of approved plans must be on the site at all times.
- All paving, curb & gutter, driveways, and sidewalks, including earthwork required for preparation of sub-grade, will be constructed in accordance with the Illinois Department of Transportation's (IDOT) "Standard Specifications for Road and Bridge Construction," current edition and supplements, except as modified to conform with Village of Villa Park requirements.
- All existing pavement to be removed will be saw cut full depth along the limits of the removal.
- Replacement of the street pavement subsequent to the installation of utilities will meet IDOT Standard Specifications for Road and Bridge Construction, Article 442.06, and be made as follows:
 - Asphalt - 2" Hot-Mix Asphalt Surface Course, Mix "D", N50, over a 4" Hot-Mix Asphalt Binder Course, N50, or to Village Engineer's specifications.
 - P.C.C. - 8" minimum thickness, tie into the existing pavement with #6x24" dowels, embedded 8" and staggered at 24" O.C.
- All pavements will be replaced within one week of their removal.
- All sidewalks will meet existing widths with a minimum thickness of five inches (5"). Bedding will be a minimum of 4" of CA-6/Grade 8. All existing sidewalks and curb and gutter sections must be replaced unless waived by the Village Engineer.
- All driveways will be replaced as follows:

Residential	Hot-Mix Asphalt	4"	Surface Course
		6"	CA-6/Grade 8 Stone
	Portland Cement Concrete	6"	Class Sl
		4"	CA-6/Grade 8 Stone

All manholes and buffalo boxes within a PCC driveway must be boxed out with 1" expansion material.

- All parkways disturbed during construction will be restored with four inches (4") of topsoil and sod.
- All parkway and nearby trees on adjoining property will have guards to protect trees. A minimum of four (4) stakes shall be used and the fence shall be four (4) feet from the trunk of the tree.
- All stumps must be removed to a minimum of one foot below proposed ground elevation.
- Materials and installation for all water and sewer related work will be in accordance with the "Standard Specifications for Water and Sewer Main Construction in Illinois", current edition and the American Water Works Association except as modified to conform with Villa Park requirements.
- All water main shutdowns will be performed by Village personnel only. A minimum of twenty-four (24) hours notice will be given to the Public Works Department prior to requested shutdown.
- Existing water and sanitary sewer services will not be reused without a written approval from the Village.
- Band-seal flexible connectors (non-shear mission couplings) will be used to join pipes of dissimilar materials.
- All PVC pipe joints will conform to ASTM D 3212 and shall be sealed by rubber gaskets conforming to ASTM F 477.
- Down spouts and sump pumps will discharge at grade and be directed away from and at least ten feet (10') from adjacent properties.
- Provide for the immediate removal of any mud and debris that is deposited onto the streets and sidewalks, which were caused by the construction.
- Any soil erosion control measure that are deemed necessary by the Village Engineer will be implemented immediately by the contractor.
- All footing and top of foundation elevations, and building setbacks and dimensions must be surveyed and a spot survey must be submitted and approved prior to any future construction.
- All concrete curbs, sidewalk and driveway aprons require pre-inspection.
- All construction sites will require a stone access road 10 feet wide within a 6" depth comprising of CA-1 stone.
- All existing grades along property lines must be maintained.
- Proposed grade changes will not cause surface water runoff to be diverted onto or detained on abutting or nearby property, will not significantly alter existing drainage patterns and will not increase or concentrate storm water runoff onto abutting or nearby property.
- Drainage swales must have sufficient depth and width to direct storm water runoff toward a storm drainage system. Swales must meet existing grades at the property lines and have a minimum slope of 1%. Damming or displacing water into adjacent properties is not permitted.
- Landscaping that effectively changes yard elevations or existing drainage patterns will not be permitted unless a fill permit is issued by the Village.

SUMMARY OF QUANTITIES

Item	SP	CODE	Item	Unit	GRANT	EUCLID	E. WASH	W. WASH	TOTAL
					Quantity	Quantity	Quantity	Quantity	Quantity
1	*	CS#10	CONSTRUCTION LAYOUT	L SUM	0.25	0.25	0.25	0.25	1
2		201	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNITS	49	13	48	19	129
3		201	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNITS	38	158	290	72	558
4	*	201	TREE ROOT PRUNING	EACH	9	0	0	2	11
5		201	TEMPORARY FENCE	FOOT	227	32	126	158	542
6		202	EARTH EXCAVATION	CU YD	1464	425	1469	660	4018
7	*		AMENDED BIORETENTION SOIL	CU YD	98	98	294	139	628
8		208	TRENCH BACKFILL	CU YD	0	29	270	59	358
9		211	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	170	755	273	188	1386
10		252	SODDING	SQ YD	457	1030	1156	604	3247
11	*	253	TREES	EACH	10	4	10	6	30
12	*	253	SHRUBS, SMALL	EACH	0	1	0	0	11
13	*	253	SHRUBS, LARGE	EACH	0	18	0	0	18
14	*	254	PERENNIAL PLANTS, 1 GAL.	EACH	0	45	0	0	45
15	*	280	INLET AND PIPE PROTECTION	EACH	7	1	10	7	25
16	*	282	FILTER FABRIC	SQ YD	2800	644	2364	1127	6934
17	*	351	AGGREGATE BASE COURSE, TYPE A, CA-7	CU YD	1244	195	691	311	2441
18	*	351	AGGREGATE BASE COURSE, TYPE A, CA-16, 2" DEPTH	CU YD	77	0	0	0	77
19	*	351	AGGREGATE BASE COURSE, TYPE A, CA-6	CU YD	0	1	3	4	8
20	*	406	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	133	0	29	24	187
21	*	407	CLASS D PATCHES, 8"	SQ YD	1387	12	69	27	1495
22		423	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"	SQ YD	144	0	95	21	259
23		424	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	116	288	515	1035	1953
24		424	DETECTABLE WARNINGS	SQ FT	23	0	12	0	35
25		420	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	SQ YD	16	0	0	0	16
26		440	PAVEMENT REMOVAL	SQ YD	1113	12	69	27	1221
27		440	DRIVEWAY PAVEMENT REMOVAL	SQ YD	265	20	124	45	454
28		440	SIDEWALK REMOVAL	SQ FT	385	288	515	1035	2223
29		440	COMBINATION CURB AND GUTTER REMOVAL	FOOT	553	22	176	95	846
30	*	551	STORM SEWER REMOVAL	FOOT	36	0	0	17	53
31	*		ADJUSTING WATER MAIN	FOOT	0	0	63	0	63
32		601	PIPE UNDERDRAINS, TYPE 2, PVC PIPE, 3"	FOOT	0	0	95	0	95
33		601	PIPE UNDERDRAINS, TYPE 2, HDPE PIPE, 4"	FOOT	0	0	100	316	416
34		601	PIPE UNDERDRAINS, TYPE 2, HDPE PIPE, 6"	FOOT	110	108	0	0	218
35		601	PIPE UNDERDRAINS, TYPE 2, HDPE PIPE, 8"	FOOT	134	0	0	64	198
36		601	PIPE UNDERDRAINS, TYPE 2, HDPE PIPE, 10"	FOOT	209	0	0	0	209
37		601	PIPE UNDERDRAINS, TYPE 2, HDPE PIPE, 12"	FOOT	0	0	123	0	123
38	*	550	STORM SEWERS, WATERMAIN QUALITY, PVC, 3"	FOOT	0	0	45	0	45
39	*	550	STORM SEWERS, WATERMAIN QUALITY, PVC, 12"	FOOT	0	0	103	0	103
40		550	STORM SEWERS, TYPE 2, HDPE, 4	FOOT	0	0	0	11	11
41		550	STORM SEWERS, TYPE 2, HDPE, 8"	FOOT	0	0	0	133	133
42		550	STORM SEWERS, TYPE 2, PVC, 3"	FOOT	0	0	96	0	96
43		550	STORM SEWERS, TYPE 2, PVC, 8"	FOOT	39	60	0	65	164
44		550	STORM SEWERS, TYPE 2, PVC, 15"	FOOT	18	0	0	0	18
45		550	STORM SEWERS, TYPE 2, PVC, 18"	FOOT	26	0	0	0	26
46	*	563	SANITARY SERVICE REMOVAL	FOOT	0	0	41	0	41
47	*		SANITARY SEWER REMOVAL	FOOT	0	0	79	0	79
48	*		SANITARY SEWER MAIN, PVC, 8"	FOOT	0	0	123	0	123
49	*		CONNECT TO EXISTING STRUCTURE	EACH	1	0	3	1	5
50	*	602	CATCH BASIN, TYPE A, 4'- DIAMETER	EACH	2	1	0	2	5
51	*	602	CATCH BASIN, TYPE C	EACH	4	1	10	7	22
52	*	602	MANHOLE, TYPE A, 4'- DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	0	1	2	0	3
53	*	602	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	1	0	0	0	1
54	*		WASTOP INLINE CHECK VALVE	EACH	1	1	0	0	2
55	*	602	MANHOLES TO BE ADJUSTED	EACH	2	0	0	0	2
56	*	605	REMOVING MANHOLES	EACH	0	0	3	0	3
57	*	605	REMOVING INLETS	EACH	2	0	2	1	5
58	*	606	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (SPECIAL)	FOOT	1069	22	176	95	1362
59	*		LANDSCAPE WALL	FOOT	0	0	0	67	67
60	*		POROUS UNIT PAVING	SQ YD	1372	0	0	0	1372
61	*	701	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1	1	1	4
62		724	REMOVE SIGN PANEL ASSEMBLY, TYPE A	EACH	2	0	3	4	9
63		724	RELOCATE SIGN PANEL ASSEMBLY, TYPE A	EACH	1	0	3	4	8
64	*		FENCE REMOVAL	FOOT	20	0	0	0	20
65		780	PAINT PAVEMENT MARKING- LINE, 6"	FOOT	52	0	0	0	52
66		780	PAINT PAVEMENT MARKING- LINE, 24"	FOOT	13	0	0	0	13
67	*		STABILIZED CONSTRUCTION ENTRANCE	EACH	1	0	0	0	1
68	*		PRECONSTRUCTION VIDEO RECORDING	L SUM	0.25	0.25	0.25	0.25	1
69	*		EXPLORATION TRENCH, SPECIAL	EACH	12	6	12	12	42
70	*		WATER USAGE DEDUCTION	TGAL	25	25	25	25	100
71	*		WATER USAGE CREDIT	TGAL	25	25	25	25	100
72	*		CONTINGENCY ALLOWANCE	DOLLARS	12500	12500	12500	12500	50000

CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED -	FOR BID	REVISED -	XXX
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.28.2017	REVISED -	

**VILLAGE OF VILLA PARK
 WASHINGTON STREET GREEN INFRASTRUCTURE
 IMPROVEMENTS**

GENERAL NOTES & SUMMARY OF QUANTITIES

SHEET NO. 2 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	2

ILLINOIS

ALIGNMENTS, TIES, & BENCHMARK NOTES

1. AUTOCAD FILES CAN BE PROVIDED TO THE CONTRACTOR FOR USE DURING CONSTRUCTION LAYOUT

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE COMPILED OF FIELD LOCATIONS AND THE FOLLOWING UTILITY ATLASES PROVIDED BY THE UTILITY

-VILLAGE OF VILLA PARK: WATER ATLAS
-LAST REVISED: GIS DATA FROM CLIENT DATE UNKNOWN

-VILLAGE OF VILLA PARK: STORM ATLAS
-LAST REVISED: GIS DATA FROM CLIENT DATE UNKNOWN

-VILLAGE OF VILLA PARK: SANITARY ATLAS
-LAST REVISED: GIS DATA FROM CLIENT DATE UNKNOWN

EXISTING CONDITIONS AND REMOVALS NOTES

1. THE CONTRACTOR SHALL COORDINATE WITH COMED ENERGY TO PROTECT ALL UTILITY POLES INDICATED TO REMAIN IN PLACE. THE CONTRACTOR SHALL MAINTAIN ALL REQUIRED SEPARATIONS FROM EXISTING ELECTRIC AND GAS UTILITIES DURING CONSTRUCTION.

GENERAL CONSTRUCTION NOTES

- PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER UTILITIES TO REMAIN FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUTS AND OTHER HAZARDS CREATED BY SITE IMPROVEMENT OPERATIONS.
- THE CONTRACTOR AT ALL TIMES SHALL KEEP THE PREMISES ON WHICH THE WORK IS BEING DONE, CLEAR OF RUBBISH AND DEBRIS.
- ALL WORK AND OPERATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES.
- ENGINEER WILL REVIEW STAKED-OUT LAYOUT AND FORMWORK BEFORE CONSTRUCTION CONTINUES 48 HOURS PRIOR TO BEGINNING OF WORK. ANY DELAY WILL BE AT CONTRACTOR'S EXPENSE.
- CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES ON DRAWINGS.

UTILITY NOTES

- ALL WORK AND OPERATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES, INCLUDING THE VILLAGE OF VILLA PARK.
- PRIOR TO START OF CONSTRUCTION CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITY LINES AND STRUCTURES. CONTRACTOR TO NOTIFY OWNER AND ENGINEER OF ANY DISCREPANCIES.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE AND SURROUNDINGS CLEAN OF RUBBISH AND DEBRIS.
- ALL UTILITY LENGTHS ARE TO THE CENTER OF STRUCTURE OR PIPE UNLESS OTHERWISE NOTED.
- ALL DRAIN PIPE SHALL DRAIN AT A MINIMUM OF 0.5% UNLESS OTHERWISE NOTED.
- CONTRACTOR IS RESPONSIBLE TO NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES ON DRAWINGS.

VILLAGE OF VILLA PARK EROSION CONTROL NOTES (REVISED 8/7/08)

- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL EROSION CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO, SILT FENCE AROUND THE CONSTRUCTION LIMITS, STONE ACCESS DRIVE AND FILTER FABRIC PROTECTORS IN ALL STORM MANHOLES AND/OR INLETS PER THE VILLAGE'S STANDARD DETAILS. IF THERE IS NO GENERAL CONTRACTOR, IT SHALL BE THE RESPONSIBILITY OF THE EXCAVATION/GRADING CONTRACTOR TO INSTALL ALL SOIL EROSION CONTROL DEVICES.
- ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
- THE CONTRACTOR RESPONSIBLE FOR THE INSTALLATION OF THE EROSION CONTROL DEVICES SHALL MAKE AN INSPECTION OF THE INSTALLATION ON A WEEKLY BASIS OR FOLLOWING A RAINFALL OF 1/2 INCH OR MORE OVER A 24-HOUR PERIOD. A RECORD OF SUCH INSPECTIONS SHALL BE KEPT ON-SITE AT ALL TIMES UNTIL FINAL ACCEPTANCE OF THE WORK.
- ANY SOIL EROSION CONTROL MEASURES THAT ARE DEEMED NECESSARY BY THE VILLAGE ENGINEER OR ANY OTHER AUTHORITY HAVING JURISDICTION SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.
- ALL SILT FENCE SHALL BE INSTALLED AND APPROVED BY THE VILLAGE OF VILLA PARK PRIOR TO CONSTRUCTION.
- ALL CONSTRUCTION SITES SHALL HAVE A 10-FOOT WIDE X 6-INCHES DEEP STONE ACCESS DRIVE COMPRISED OF CA-1 STONE. THE LENGTH SHALL BE A MINIMUM OF 50 FEET UNLESS OTHERWISE APPROVED BY THE VILLAGE ENGINEER. ALL ACCESS TO AND FROM THE SITE SHALL BE RESTRICTED TO THIS CONSTRUCTION ENTRANCE.
- PUMPING SEDIMENT-LADEN WATER INTO ANY STORMWATER FACILITY EITHER DIRECTLY OR INDIRECTLY WITHOUT FILTRATION IS PROHIBITED. WATER REMOVED FROM TRAPS, BASINS, AND OTHER WATER HOLDING DEPRESSIONS OR EXCAVATIONS MUST FIRST PASS THROUGH A SEDIMENT CONTROL AND/OR FILTRATION DEVICE. WHEN DEWATERING DEVICES ARE USED, DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION.
- MODIFICATIONS TO EXISTING STORMWATER FACILITIES SHALL BE STABILIZED WITHIN 48 HOURS.
- ALL STORM DRAIN INLETS SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE WHEN THE AREA TRIBUTARY TO AN INLET IS DISTURBED.
- ALL TRENCHES, HOLES, OR OTHER EXCAVATIONS REQUIRED FOR UTILITY INSTALLATION SHOULD BE BACK-FILLED AND STABILIZED AT THE END OF EACH WORKING DAY. NO EXCAVATION SHOULD BE OPENED MORE THAN WHAT CAN BE STABILIZED BY THE END OF THE SAME DAY. IF AN EXCAVATION MUST BE LEFT UNSTABILIZED OR OPENED OVERNIGHT, SOIL EROSION AND SAFETY PROTECTION MEASURES SHALL BE INSTALLED. THE SURFACE OF STRIPPED OR DISTURBED AREAS SHALL BE PERMANENTLY OR TEMPORARILY STABILIZED WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED OR WHEN LEFT IDLE FOR MORE THAN 7 DAYS. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED CONTINUOUSLY UNTIL PERMANENT SOIL EROSION CONTROL MEASURES HAVE BEEN ADEQUATELY ESTABLISHED.
- ALL SPECIAL MANAGEMENT AREAS SHALL, AT A MINIMUM, HAVE A DUAL SILT FENCE BARRIER OF PROTECTION. ADDITIONAL SOIL AND SEDIMENT EROSION CONTROL MEASURES MAY BE REQUIRED TO ADEQUATELY PROTECT THESE AREAS.
- STOCKPILES OF SOIL TO ANY OTHER BUILDING MATERIAL SHALL NOT BE LOCATED IN SPECIAL MANAGEMENT AREAS.
- IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, THEN EROSION AND SEDIMENT CONTROL SHALL BE PROVIDED FOR SUCH STOCKPILE.
- ALL WASTE GENERATED AS A RESULT OF SITE DEVELOPMENT (INCLUDING DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER, SANITARY WASTE, OR ANY OTHER WASTE) SHALL BE PROPERLY DISPOSED OF AND BE PREVENTED FROM BEING CARRIED OFF THE SITE BY EITHER WIND OR WATER.
- ANY SOIL, MUD, OR DEBRIS REACHING A PUBLIC OR PRIVATE ROADWAY OR SIDEWALK SHALL BE REMOVED IMMEDIATELY AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30-DAYS AFTER FINAL STABILIZATION IS ACHIEVED WITH PERMANENT SOIL STABILIZATION MEASURES. TRAPPED SEDIMENT AND OTHER DISTURBED SOILS RESULTING FROM TEMPORARY MEASURES SHALL BE PROPERLY DISPOSED OF, AND THE AREA PERMANENTLY STABILIZED.

GRADING NOTES

- ALL WORK IS TO BE CARRIED OUT IN ACCORDANCE WITH SPECIFICATIONS.
- ALL WORK AND OPERATIONS SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES, INCLUDING THE VILLAGE OF VILLA PARK.
- BEFORE ANY EXCAVATION OCCURS ON SITE THE CONTRACTOR SHALL CALL JULIE AT 800-892-0123 OR 811 TO LOCATE ANY EXISTING UTILITIES ON SITE. BEFORE COMMENCING WORK THE CONTRACTOR SHALL BE FAMILIAR WITH THE LOCATIONS OF ALL EXISTING BURIED UTILITIES IN AREAS OF WORK. IF UTILITIES ARE TO REMAIN IN PLACE PROVIDE ADEQUATE MEANS OF PROTECTION DURING SITE IMPROVEMENT OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR OR REPLACEMENT OF ANY BURIED CONDUIT, CABLES, OR PIPING DAMAGED DURING THE INSTALLATION OF THIS WORK.
- THE CONTRACTOR SHALL AT ALL TIMES KEEP THE SITE AND SURROUNDINGS CLEAN OF RUBBISH AND DEBRIS.
- NO GRADING OR MATERIAL STORAGE SHALL BE CARRIED OUT WITHIN THE CANOPY AREA OF ANY EXISTING TREE EXCEPT WHERE INDICATED WITHOUT THE AGREEMENT OF THE LANDSCAPE ARCHITECT. TREE SYMBOLS ARE NOT ACCURATE REPRESENTATIONS OF TREE CANOPY. LIMIT WILL BE DETERMINED IN FIELD BY LANDSCAPE ARCHITECT OR TREE PROTECTION FENCE.
- ANY DAMAGE TO EXISTING PROPERTIES SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- REPAIR ALL DAMAGE TO EXISTING LAWN AREAS NOT OTHERWISE SCHEDULED FOR SOD AT THE EXPENSE OF THE CONTRACTOR.
- MEET LINE AND GRADE OF EXISTING PAVEMENT, LAWN AND PLANTING AREAS WHERE THEY MEET NEW PAVEMENT, LAWN AND PLANTING AREAS.
- TRANSITIONS BETWEEN SLOPES SHALL BE SMOOTH. ABRUPT CHANGES IN SLOPE WILL NOT BE ACCEPTED. MAXIMUM GRADE ON ALL PAVED SURFACES SHALL BE 5.0% WITH A MAXIMUM CROSS SLOPE OF 2.0% UNLESS RAMP IS SPECIFIED.
- CONTRACTOR SHALL ADJUST ANY UTILITY STRUCTURE WITHIN THE SITE TO MEET PROPOSED GRADE.
- ALL DISTURBED TURF AREAS TO REMAIN SHALL RECEIVE SOD. TIE-IN TO EXISTING TURF SHALL BE A SMOOTH TRANSITION. NO ABRUPT GRADE CHANGES.
- CONTRACTOR IS RESPONSIBLE TO NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES ON DRAWINGS.
- COORDINATE PLACEMENT OF RESPREAD TOPSOIL WITH PAVER INSTALL. AGGREGATE AND PAVERS TO BE KEPT CLEAN FROM DIRT AND DEBRIS AT ALL TIMES.

GENERAL PLANTING NOTES

- ALL PLANTING OF TREES, SHRUBS AND PERENNIALS BY CONTRACTOR.
- NOTE THAT PLANT LIST QUANTITIES ARE FOR THE INSTALLER'S CONVENIENCE ONLY. INSTALLER SHALL VERIFY ALL QUANTITIES.
- PRIOR TO CONSTRUCTION THE INSTALLER SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES AND SHALL AVOID DAMAGE TO ALL UTILITIES DURING CONSTRUCTION.
- ALL PLANTED MATERIAL SIZES AND MEASUREMENTS, INCLUDING TRUNK, HEAD AND SPREAD SIZES, CONTAINER AND ROOT BALL SIZES, QUALITY AND CONDITION SHALL CONFORM TO THE STANDARD SET FORTH IN THE CURRENT ISSUE OF "AMERICAN STANDARD FOR NURSERY STOCK" (LATEST EDITION).
- ALL PLANTS MUST BE HEALTHY, VIGOROUS MATERIAL, FREE OF PESTS AND DISEASE.
- ALL PLANTS MUST BE CONTAINER-GROWN OR BALLED AND BURLAPPED AS INDICATED IN THE PLANT LIST.
- ALL TREES MUST BE STRAIGHT TRUNKED AND FULL-HEADED AND MEET ALL REQUIREMENTS SPECIFIED.
- ALL PLANTS ARE SUBJECT TO THE APPROVAL OF THE LANDSCAPE ARCHITECT AND OWNER BEFORE, DURING AND AFTER INSTALLATION.
- ALL TREES MUST BE GUYED OR STAKED AS REQUIRED IN THE DETAILS OR WRITTEN SPECIFICATIONS.
- ALL PLANTING AREAS MUST BE COMPLETELY MULCHED AS SPECIFIED.
- PRIOR TO MULCHING APPLY A PRE-EMERGENT HERBICIDE (APPROVED BY LANDSCAPE ARCHITECT AND OWNER) AS RECOMMENDED BY THE MANUFACTURER TO PREVENT RECURRING WEED AND GRASS GROWTH.
- ALL WORK WITHIN ANY R.O.W. SHALL CONFORM TO STANDARDS AND SPECIFICATIONS OF LOCAL AND/OR STATE JURISDICTIONS.
- TREES SHALL BE PLANTED NO CLOSER THAN FIVE (5) FEET AND SHRUBS NO CLOSER THAN 3-1/2 FEET FROM BACK-OF-CURB OR EDGE OF ASPHALT, TYP.
- THE CONTRACTOR IS RESPONSIBLE FOR FULLY MAINTAINING ALL PLANTING (INCLUDING BUT NOT LIMITED TO: WATERING, SPRAYING, MULCHING, FERTILIZING, ETC.) OF PLANTING AREAS, UNTIL FINAL ACCEPTANCE.
- ALL TREES IN LEAF AFTER BEING DUG AT THE NURSERY SOURCE SHALL BE ACCLIMATED FOR TWO (2) WEEKS MINIMUM UNDER A MIST SYSTEM PRIOR TO INSTALLATION.
- ALL LARGE PIECES OF STONE AND CONCRETE RESIDUE OVER 2" IN DIAMETER ARE TO BE REMOVED FROM PLANTING BEDS TO A 24" DEPTH AND REPLACED WITH CLEAN TOPSOIL.

ALIGNMENTS, TIES, & BENCHMARKS

- LEGEND**
- PROPOSED C ALIGNMENT
 - LOT LINES
 - RIGHT-OF-WAY / R
 - BENCHMARK

EXISTING CONDITIONS & REMOVALS

- LEGEND**
- PAVEMENT REMOVAL HMA, FULL DEPTH
 - DRIVEWAY PAVEMENT REMOVAL, HMA FULL DEPTH
 - SIDEWALK REMOVAL PCC, FULL DEPTH
 - DRIVEWAY PAVEMENT REMOVAL PCC, FULL DEPTH
 - REMOVE AND RELOCATE SIGN PANEL AND ASSEMBLY, TYPE A
 - TREE & STUMP REMOVAL
 - SEWER REMOVAL
 - TEMPORARY FENCE
 - CURB & GUTTER REMOVAL, PCC

PLAN AND PROFILE

- LEGEND**
- BIORETENTION
 - POROUS UNIT PAVING
 - CONCRETE PAVING
 - HMA PAVING
 - STORM SEWER MANHOLE
 - STORM SEWER CATCH BASIN
 - STORM SEWER INLET
 - STORM SEWER PIPE, SOLID
 - STORM SEWER PIPE, PERFORATED
 - SANITARY SEWER PIPE
 - SANITARY SEWER MANHOLE

EROSION CONTROL AND PLANTING PLAN

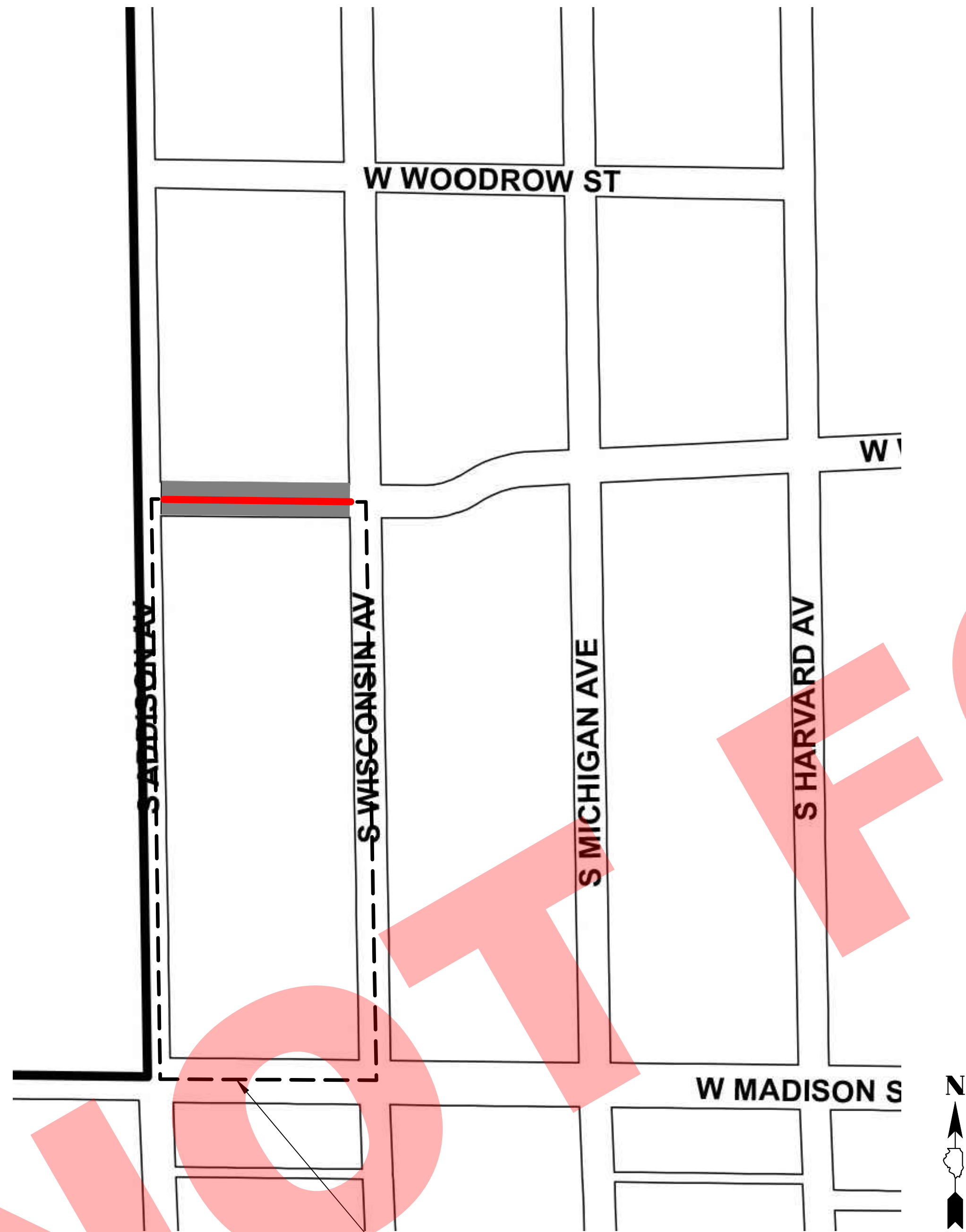
- LEGEND**
- TURFGRASS SOD
 - STABILIZED CONSTRUCTION ENTRANCE
 - POROUS UNIT PAVING
 - DOUBLE-SHREDDED PREMIUM HARDWOOD BARK MULCH RING. SEE DETAIL 0/30.
 - SHORT ORNAMENTAL GRASSES
 - DECIDUOUS TREE PLANTING. SEE DETAIL 0/30. SEE IDOT SPEC 253.
 - LARGE DECIDUOUS SHRUB
 - SMALL DECIDUOUS SHRUB
 - STORM SEWER MANHOLE
 - STORM SEWER CATCH BASIN
 - STORM SEWER INLET
 - STORM SEWER PIPE, SOLID
 - STORM SEWER PIPE, PERFORATED
 - INLET PROTECTION
- GRADING**
- STORM SEWER MANHOLE
 - STORM SEWER CATCH BASIN
 - STORM SEWER INLET
 - SPOT ELEVATION
 - CONTOUR
 - SLOPE
 - OVERLAND FLOOD ROUTE

DESIGNED -	FOR BID	REVISED -	XXX
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.28.2017	REVISED -	

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	3

WEST WASHINGTON STREET

EAST WASHINGTON STREET



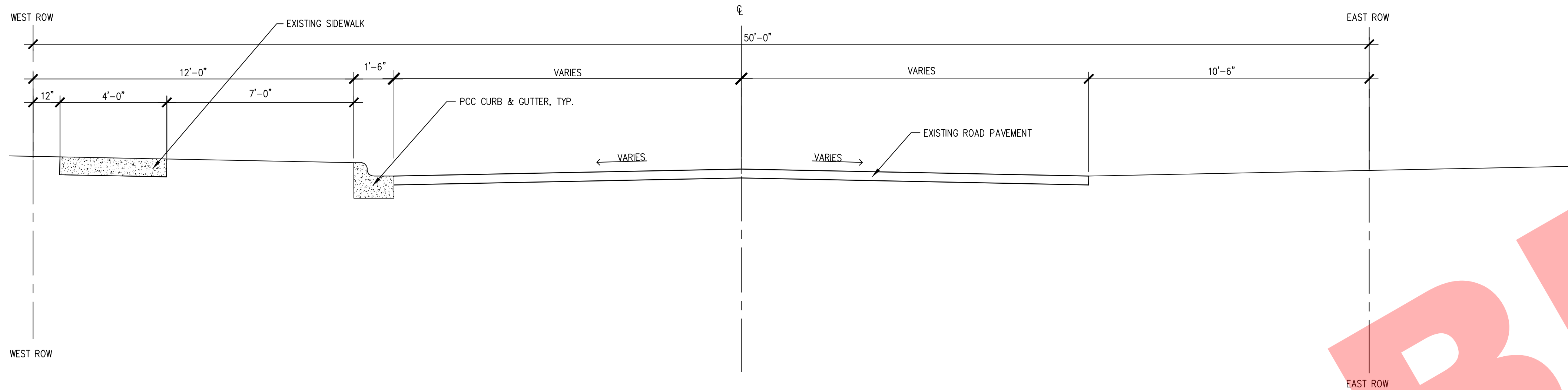
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DETOUR ROUTE

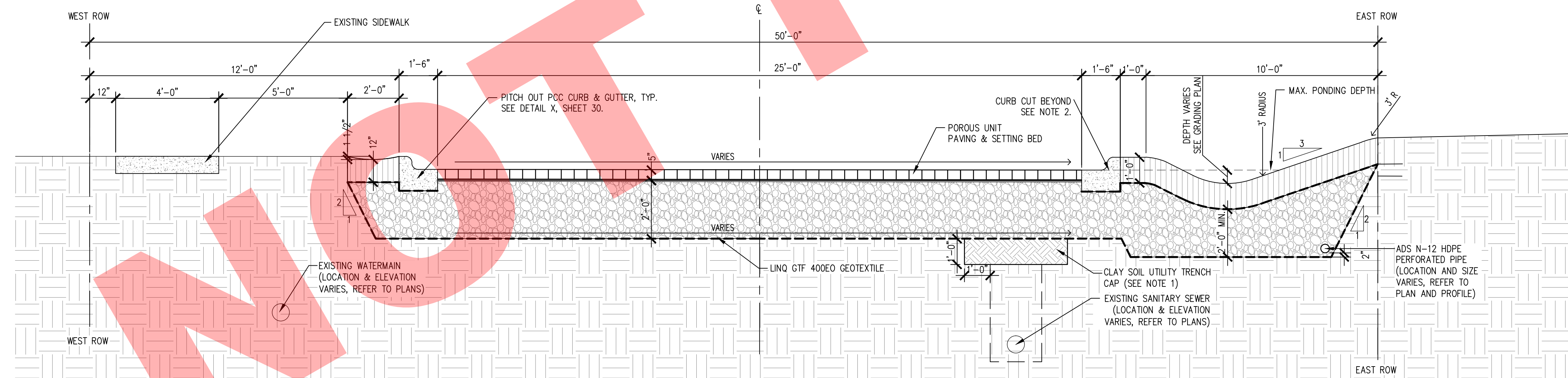
DETOUR ROUTE

DESIGNED -	FOR BID	REVISED -	XXX
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.28.2017	REVISED -	

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	4



GRANT AVE. - EXISTING TYPICAL SECTION
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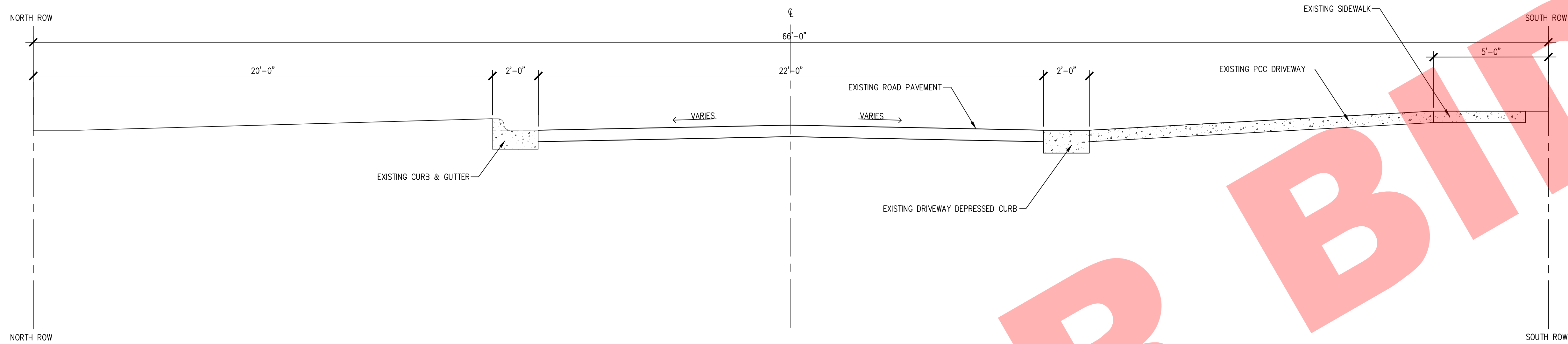
LEGEND

	COMPACTED SUBGRADE
	OPEN GRATED CA-7 AGGREGATE BASE
	AMENDED BIORETENTION SOIL
	6" PCC OR 4" HMA DRIVEWAY APRON
	PORTLAND CEMENT CONCRETE

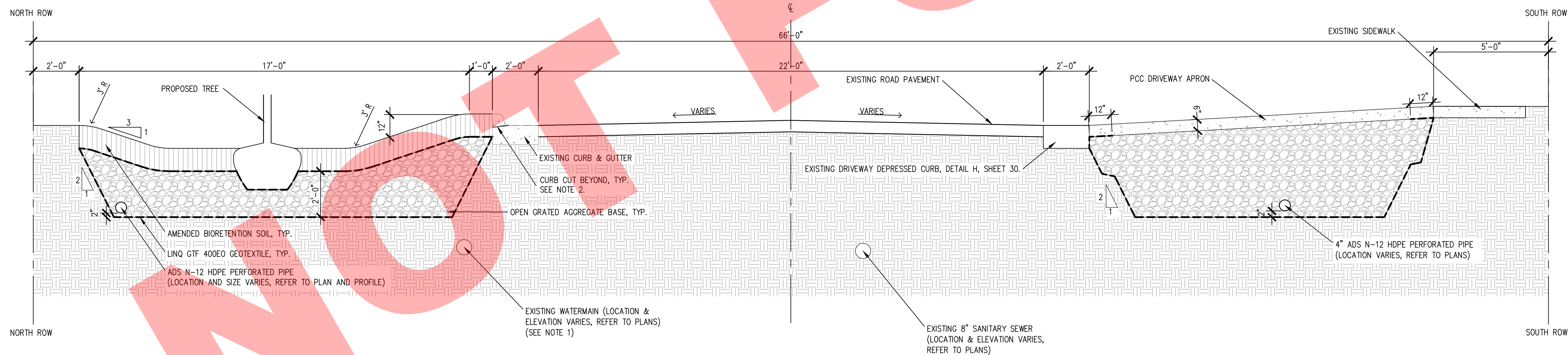
- NOTES**
- IF GRANULAR TRENCH BACKFILL FROM THE EXISTING SANITARY SEWER OR WATER MAIN SYSTEMS IS ENCOUNTERED WITHIN THE EXCAVATION, THE TOP 12" (MIN.) OF GRANULAR MATERIAL SHALL BE REMOVED AND REPLACED WITH CLAY (CL) SOIL, COMPACTED TO 95% STANDARD LABORATORY DENSITY (STANDARD PROCTOR), TO PREVENT INFILTRATION AND INFLOW INTO THE SANITARY SEWER OR WATER MAIN TRENCHES. THIS WORK WILL NOT BE MEASURED FOR PAYMENT AND WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN COST OF EARTH EXCAVATION.
 - SEE DETAILS B AND E, SHEET 27, FOR BIORETENTION AT CURB CUT.

GRANT AVE.
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CONSERVATION DESIGN FORUM 403 W. ST CHARLES STREET LOMBARD, ILLINOIS 60148 630-559-2000 P / 630-559-2030 F	DESIGNED - FOR BID	REVISED - XXX	VILLAGE OF VILLA PARK WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS	TYPICAL SECTIONS			COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MH	REVISED -		DUPAGE	30	5			
	CHECKED - JC, TP	REVISED -		SHEET NO. 5 OF 30 SHEETS			ILLINOIS		
DATE - 07.28.2017	REVISED -								



EAST WASHINGTON STREET - EXISTING TYPICAL SECTION
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EAST WASHINGTON STREET
 © 2016 by Conservation Design Forum, Inc

LEGEND

	COMPACTED SUBGRADE
	OPEN GRATED CA-7 AGGREGATE BASE
	AMENDED BIORETENTION SOIL
	6" PCC OR 4" HMA DRIVEWAY APRON
	PORTLAND CEMENT CONCRETE

- NOTES**
- IF GRANULAR TRENCH BACKFILL FROM THE EXISTING SANITARY SEWER OR WATER MAIN SYSTEMS IS ENCOUNTERED WITHIN THE EXCAVATION, THE TOP 12" (MIN.) OF GRANULAR MATERIAL SHALL BE REMOVED AND REPLACED WITH CLAY (CL) SOIL, COMPACTED TO 95% STANDARD LABORATORY DENSITY (STANDARD PROCTOR), TO PREVENT INFILTRATION AND INFLOW INTO THE SANITARY SEWER OR WATER MAIN TRENCHES. THIS WORK WILL NOT BE MEASURED FOR PAYMENT AND WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN COST OF EARTH EXCAVATION.
 - SEE DETAILS B AND E, SHEET 27, FOR BIORETENTION AT CURB CUT.

CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

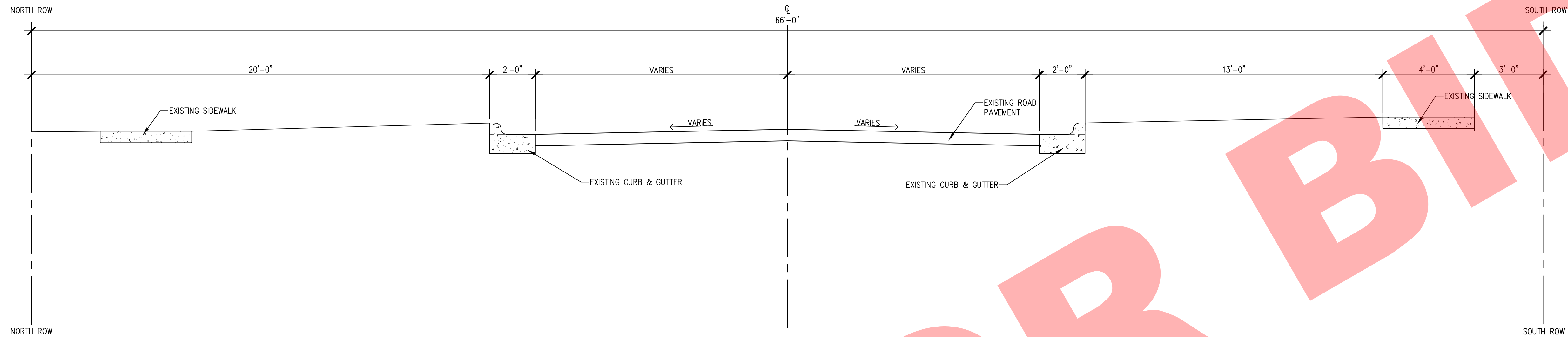
DESIGNED - FOR BID	REVISED - XXX
DRAWN - MH	REVISED -
CHECKED - JC, TP	REVISED -
DATE - 07.28.2017	REVISED -

**VILLAGE OF VILLA PARK
 WASHINGTON STREET GREEN INFRASTRUCTURE
 IMPROVEMENTS**

TYPICAL SECTIONS
 SHEET NO. 6 OF 30 SHEETS

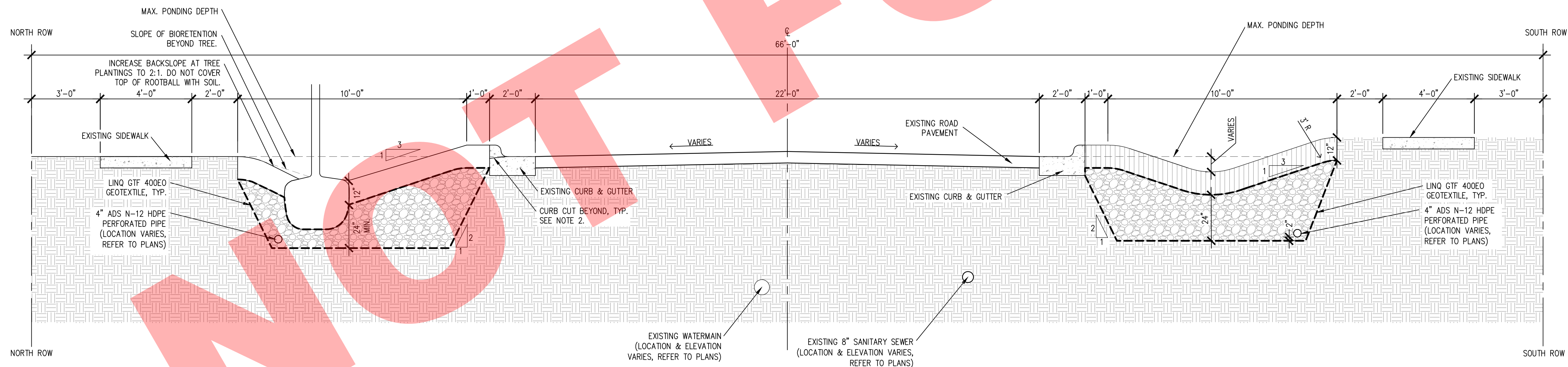
COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	6

ILLINOIS



WEST WASHINGTON STREET- EXISTING TYPICAL SECTION

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WEST WASHINGTON STREET

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LEGEND

	COMPACTED SUBGRADE
	OPEN GRATED CA-7 AGGREGATE BASE
	AMENDED BIORETENTION SOIL
	6" PCC OR 4" HMA DRIVEWAY APRON
	PORTLAND CEMENT CONCRETE

- NOTES**
- IF GRANULAR TRENCH BACKFILL FROM THE EXISTING SANITARY SEWER OR WATER MAIN SYSTEMS IS ENCOUNTERED WITHIN THE EXCAVATION, THE TOP 12" (MIN.) OF GRANULAR MATERIAL SHALL BE REMOVED AND REPLACED WITH CLAY (CL) SOIL, COMPACTED TO 95% STANDARD LABORATORY DENSITY (STANDARD PROCTOR), TO PREVENT INFILTRATION AND INFLOW INTO THE SANITARY SEWER OR WATER MAIN TRENCHES. THIS WORK WILL NOT BE MEASURED FOR PAYMENT AND WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN COST OF EARTH EXCAVATION.
 - SEE DETAILS B AND E, SHEET 27, FOR BIORETENTION AT CURB CUT.

CONSERVATION DESIGN FORUM
403 W. ST CHARLES STREET
LOMBARD, ILLINOIS 60148
630-559-2000 P / 630-559-2030 F

DESIGNED - FOR BID	REVISED - XXX
DRAWN - MH	REVISED -
CHECKED - JC, TP	REVISED -
DATE - 07.28.2017	REVISED -

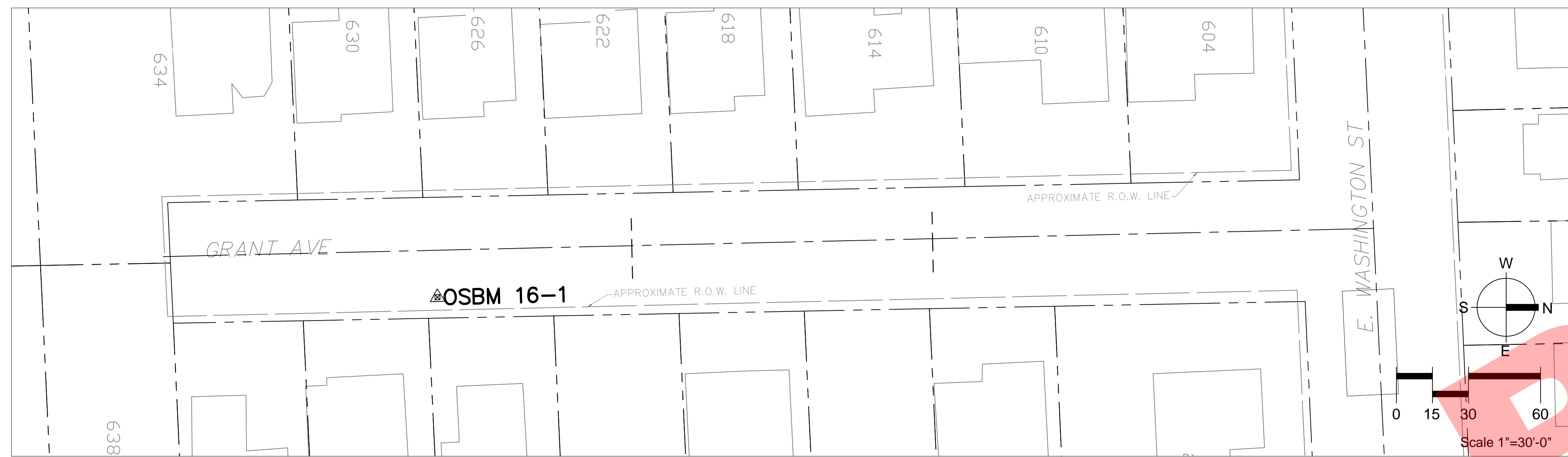
**VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS**

TYPICAL SECTIONS

SHEET NO. 7 OF 30 SHEETS

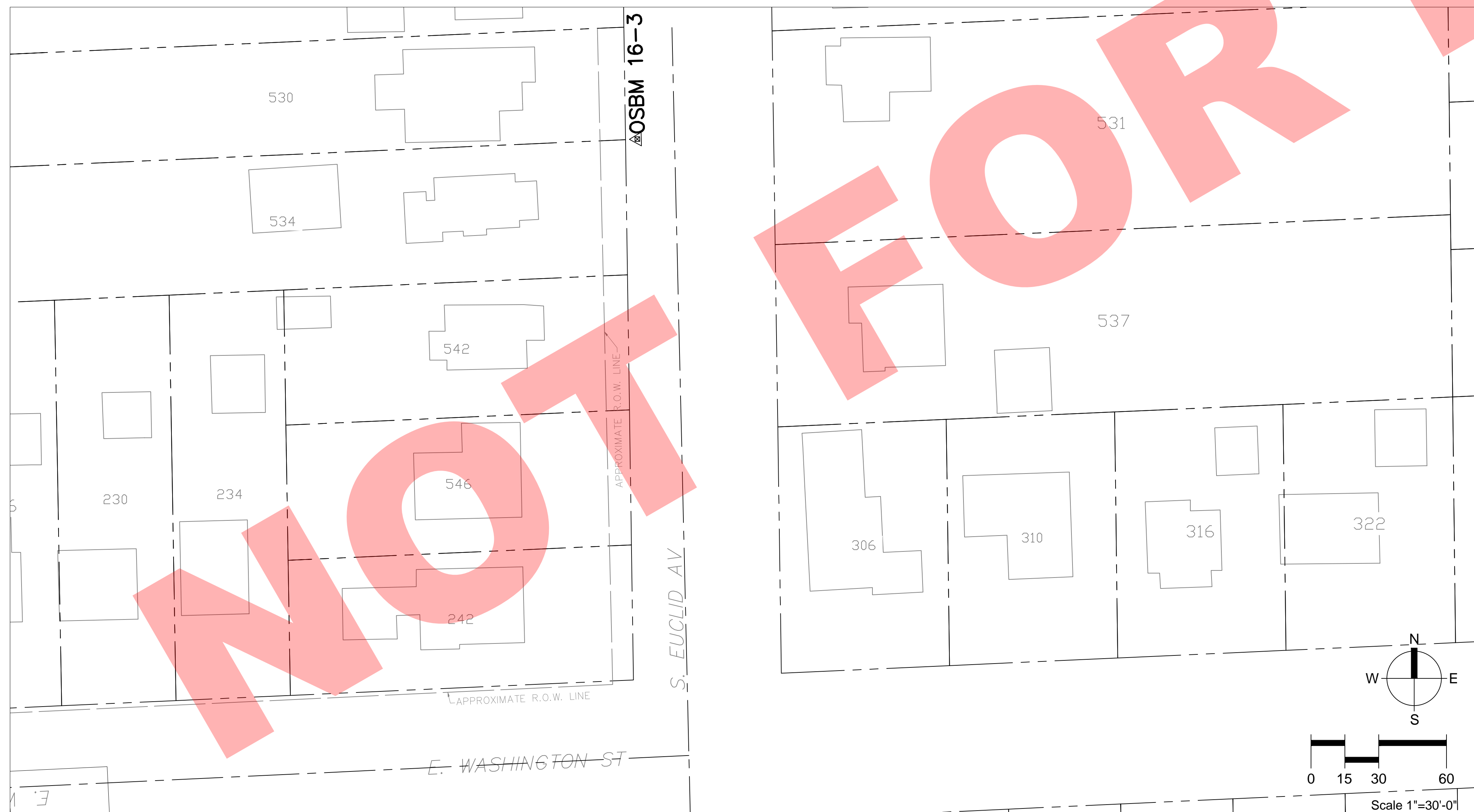
COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	7

ILLINOIS



GRANT AVENUE ALIGNMENT

ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
AF9278	STATION IS 41.8 M (137.1 FT) WEST OF THE CENTER OF THE ROUTE 83 MEDIAN, 30.2 M (99.1 FT) SOUTHWEST OF THE SOUTH END OF A GUARDRAIL ON THE WEST SIDE OF THE OVERPASS BRIDGE, 33.1 M (108.6 FT) SOUTHWEST OF A LIGHT POLE AT THE SOUTHWEST CORNER OF THE OVERPASS BRIDGE, 23.4 M (76.8 FT) NORTHWEST OF A LIGHT POLE WITH SIGN MOTOR VEHICLES ONLY AT EASTBOUND I-88 ON-RAMP, AND 0.8 M (2.6 FT) EAST OF A FIBERGLASS WITNESS POST.	700.14
OSBM 16-1	RAILROAD SPIKE LOCATED IN WESTERLY FACE OF UTILITY POLE WITH LIGHT LOCATED ON THE EAST SIDE OF GRANT STREET	687.99
OSBM 16-2	MINI RAILROAD SPIKE SET IN SOUTHERLY FACE OF UTILITY POLE WITH LIGHT LOCATED AT THE NORTHEAST CORNER OF WASHINGTON STREET & ILLINOIS STREET	690.58
OSBM 16-3	MINI RAILROAD SPIKE SET IN EAST FACE OF UTILITY POLE WITH LIGHT LOCATED BETWEEN DRIVEWAYS #530 & #534 EUCLID AVENUE	682.04
OSBM 16-4	RAILROAD SPIKE SET IN THE SOUTH SIDE OF POWER POLE 18' NORTH OF THE CENTERLINE OF W. WASHINGTON BLVD & IN LINE WITH EAST PROPERTY LINE OF #342 W. WASHINGTON BLVD	690.58



EUCLID AVENUE SITE ALIGNMENT

LEGEND

	PROPOSED ϕ ALIGNMENT
	LOT LINES
	RIGHT-OF-WAY / R
	BENCHMARK

NOT FOR BIDDING

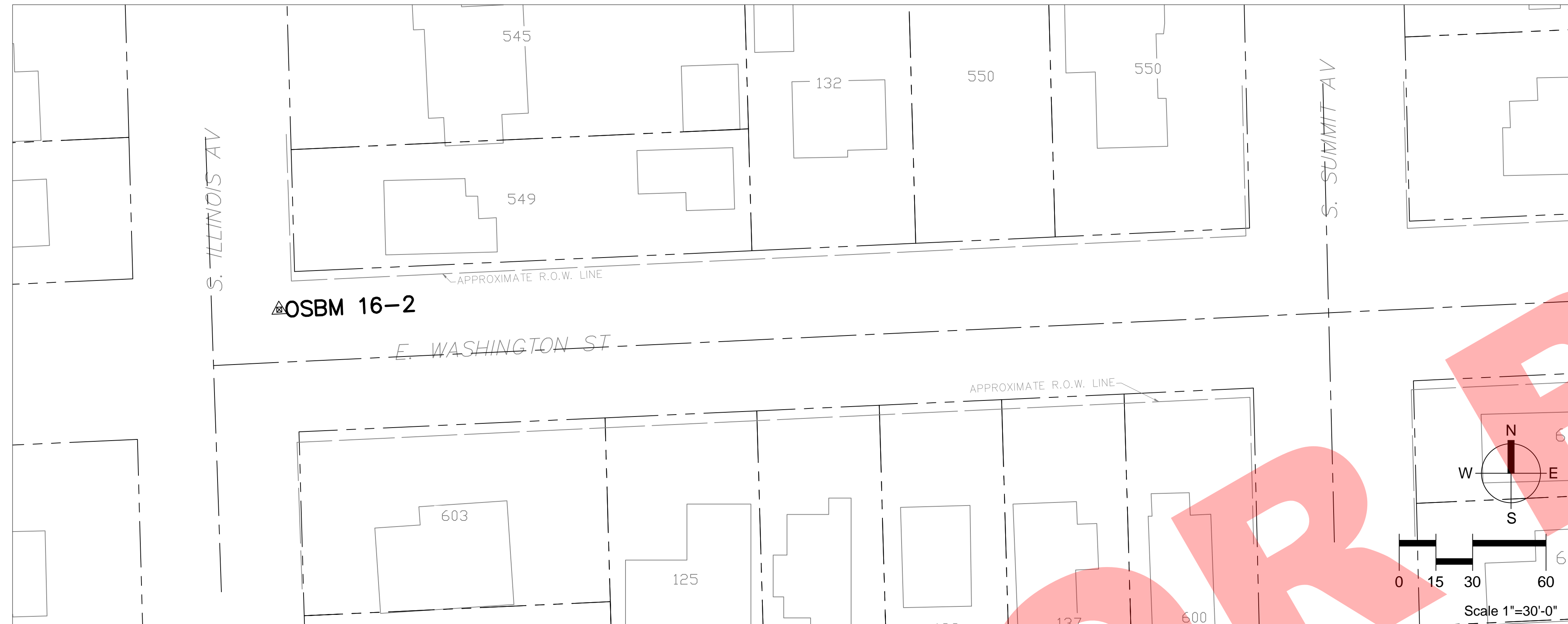
CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED - FOR BID	REVISED - XXX
DRAWN - MH	REVISED - XXX
CHECKED - JC, TP	REVISED -
DATE - 07.28.2017	REVISED -

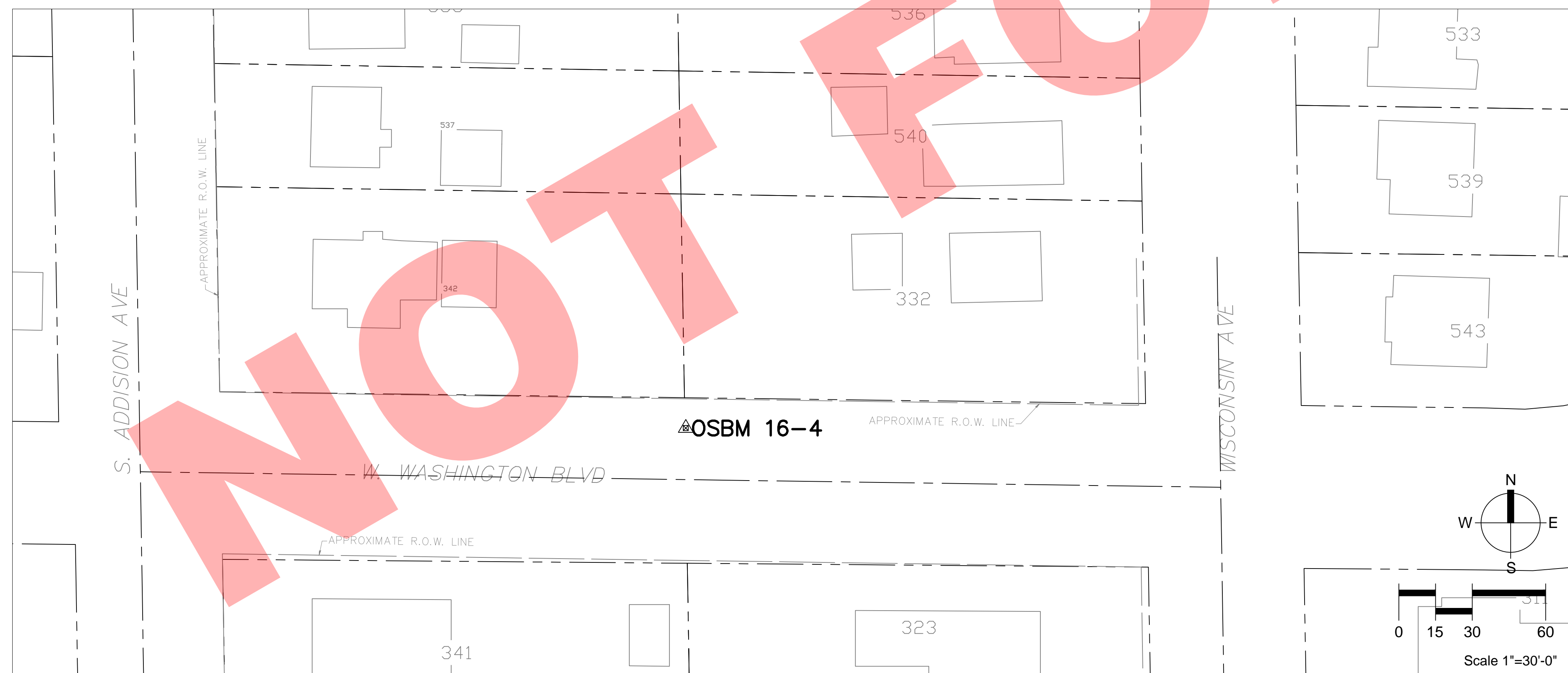
VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

ALIGNMENTS, TIES, & BENCHMARKS
 SHEET NO. 8 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	8
ILLINOIS		



EAST WASHINGTON STREET ALIGNMENT

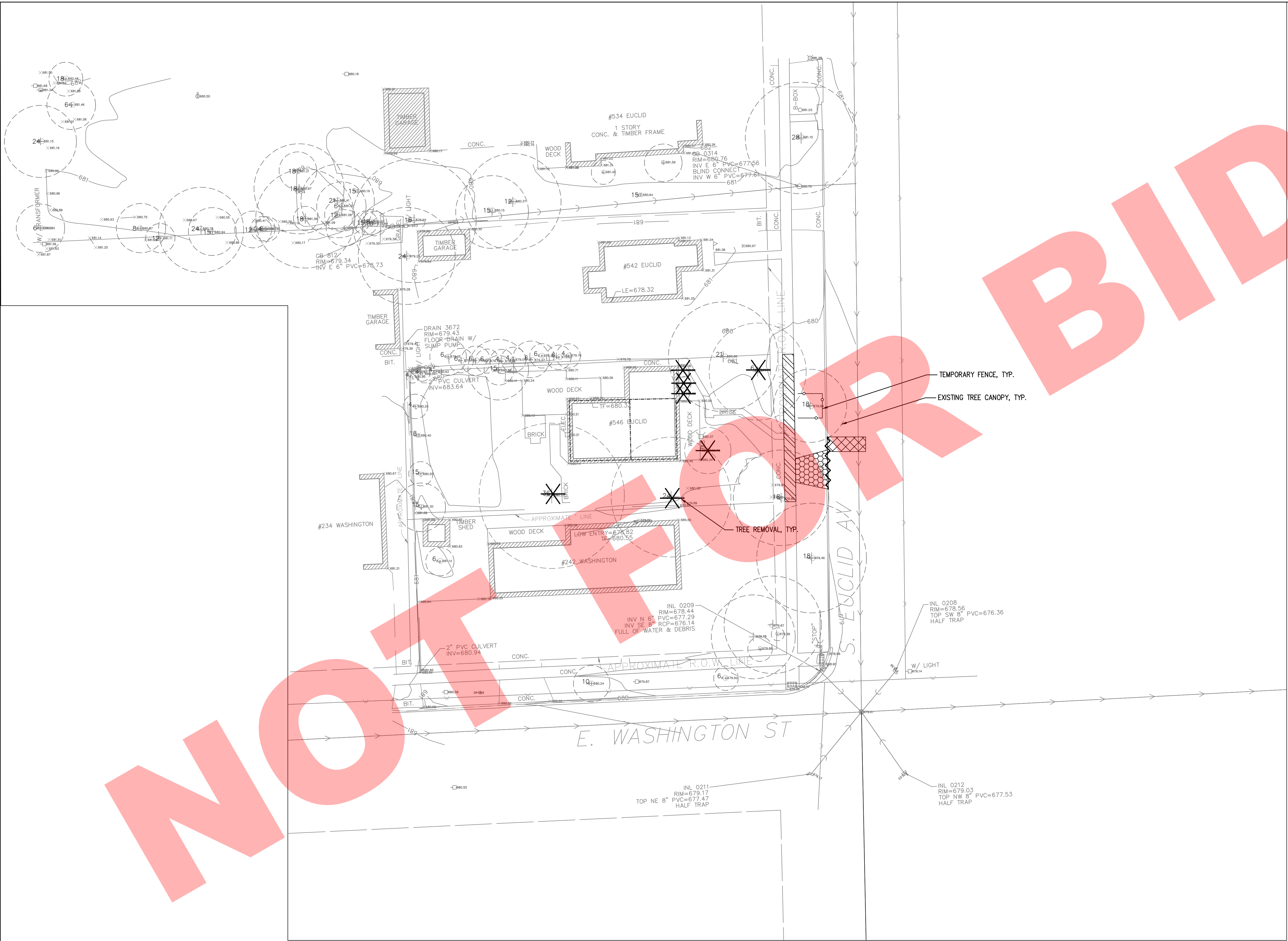


WEST WASHINGTON STREET ALIGNMENT

ELEVATION BENCHMARKS DATUM: NAVD'88 (GPS OBSERVED)		
NO.	DESCRIPTION	ELEV.
AF9278	STATION IS 41.8 M (137.1 FT) WEST OF THE CENTER OF THE ROUTE 83 MEDIAN, 30.2 M (99.1 FT) SOUTHWEST OF THE SOUTH END OF A GUARDRAIL ON THE WEST SIDE OF THE OVERPASS BRIDGE, 33.1 M (108.6 FT) SOUTHWEST OF A LIGHT POLE AT THE SOUTHWEST CORNER OF THE OVERPASS BRIDGE, 23.4 M (76.8 FT) NORTHWEST OF A LIGHT POLE WITH SIGN MOTOR VEHICLES ONLY AT EASTBOUND I-88 ON-RAMP, AND 0.8 M (2.6 FT) EAST OF A FIBERGLASS WITNESS POST.	700.14
OSBM 16-1	RAILROAD SPIKE LOCATED IN WESTERLY FACE OF UTILITY POLE WITH LIGHT LOCATED ON THE EAST SIDE OF GRANT STREET	687.99
OSBM 16-2	MINI RAILROAD SPIKE SET IN SOUTHERLY FACE OF UTILITY POLE WITH LIGHT LOCATED AT THE NORTHEAST CORNER OF WASHINGTON STREET & ILLINOIS STREET	690.58
OSBM 16-3	MINI RAILROAD SPIKE SET IN EAST FACE OF UTILITY POLE WITH LIGHT LOCATED BETWEEN DRIVEWAYS #530 & #534 EUCLID AVENUE	682.04
OSBM 16-4	RAILROAD SPIKE SET IN THE SOUTH SIDE OF POWER POLE 18' NORTH OF THE CENTERLINE OF W. WASHINGTON BLVD & IN LINE WITH EAST PROPERTY LINE OF #342 W. WASHINGTON BLVD	690.58

LEGEND

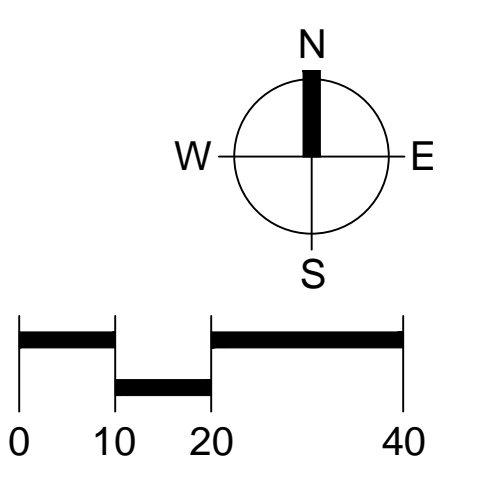
- PROPOSED C ALIGNMENT
- LOT LINES
- RIGHT-OF-WAY / R
- BENCHMARK



LEGEND

	PAVEMENT REMOVAL HMA, FULL DEPTH
	DRIVEWAY PAVEMENT REMOVAL HMA FULL DEPTH
	SIDEWALK REMOVAL PCC, FULL DEPTH
	DRIVEWAY PAVEMENT REMOVAL PCC, FULL DEPTH

FOR BIDDING



CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED -	FOR BID	REVISED -	
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.28.2017	REVISED -	

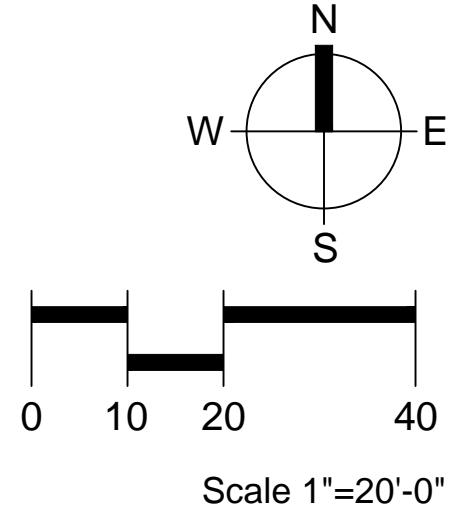
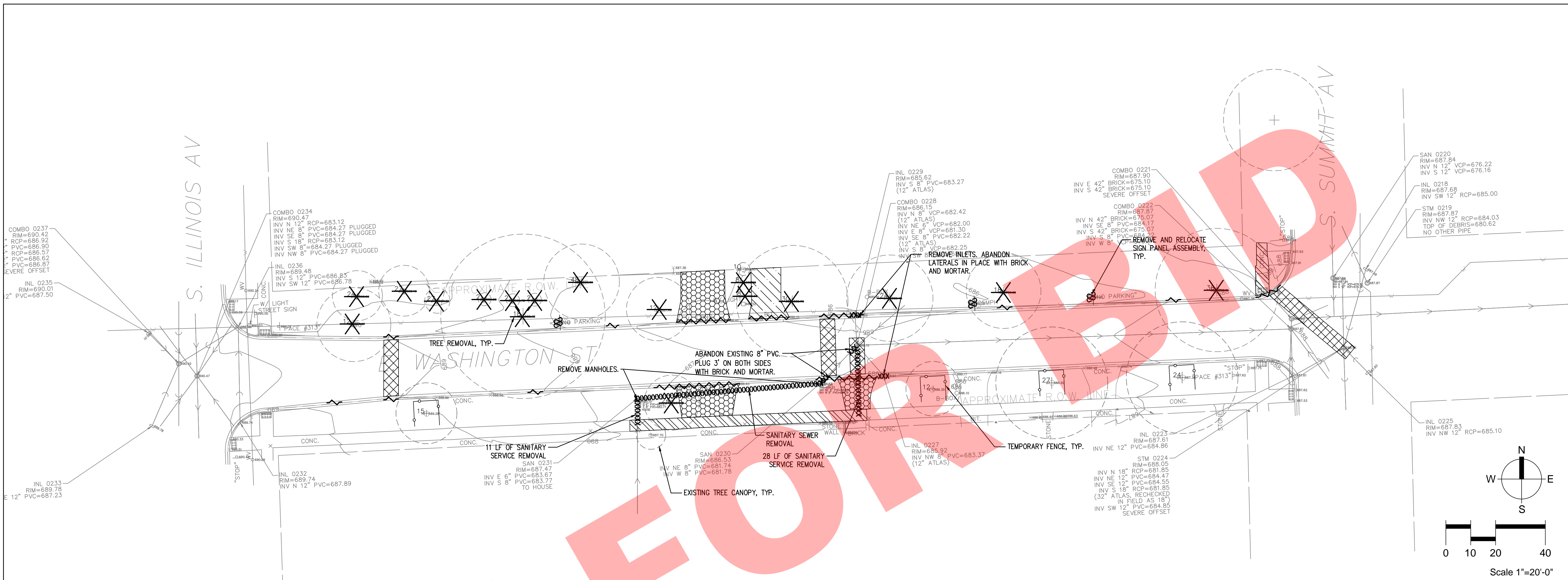
VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

EXISTING CONDITIONS & REMOVALS PLAN
EUCLID AVENUE SITE




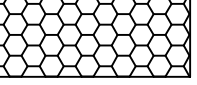
SCALE: 1" = 20'
 SHEET NO. 11 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	11

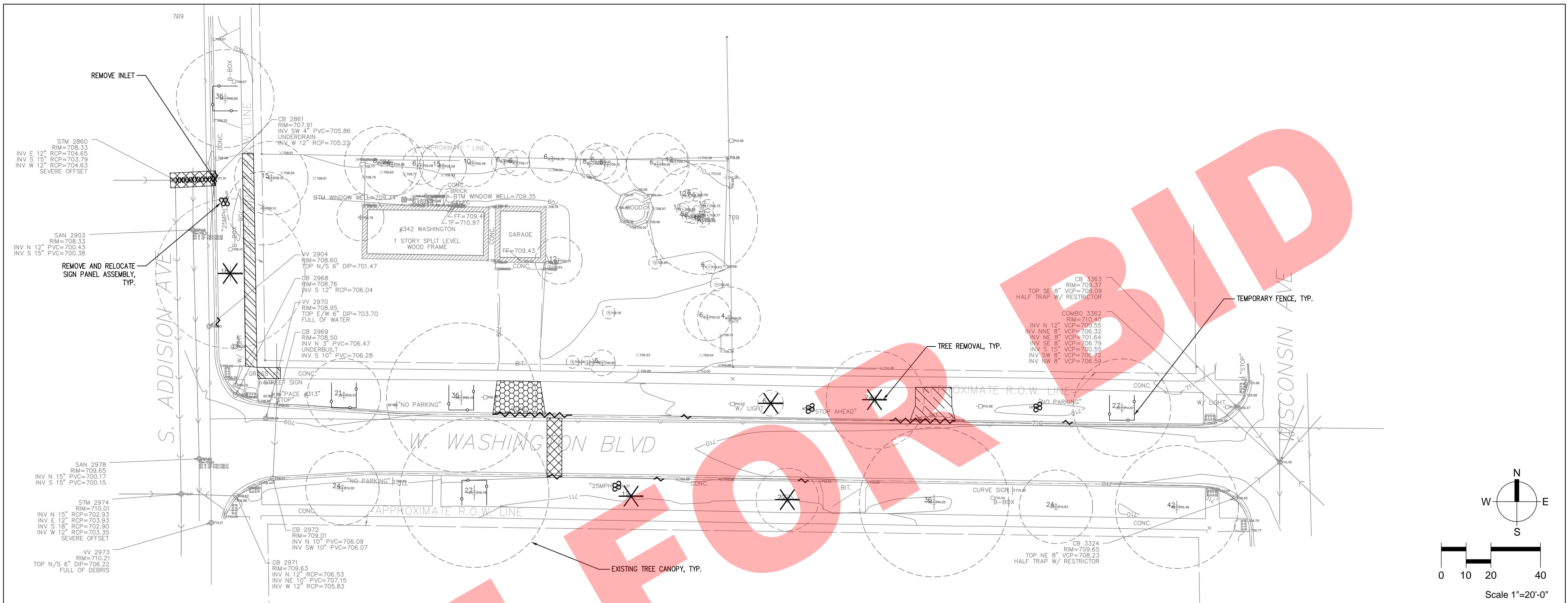
ILLINOIS



NOT FOR CONSTRUCTION


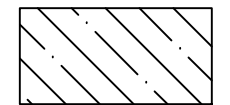
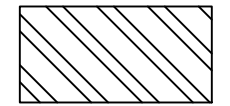
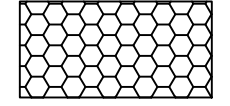
LEGEND	
	PAVEMENT REMOVAL HMA, FULL DEPTH
	DRIVEWAY PAVEMENT REMOVAL, HMA FULL DEPTH
	SIDEWALK REMOVAL PCC, FULL DEPTH
	DRIVEWAY PAVEMENT REMOVAL PCC, FULL DEPTH

 <p>CONSERVATION DESIGN FORUM 403 W. ST CHARLES STREET LOMBARD, ILLINOIS 60148 630-559-2000 P / 630-559-2030 F</p>	DESIGNED - 100% ENGINEERING	REVISED -	<p>VILLAGE OF VILLA PARK WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS</p>	<p>EXISTING CONDITIONS & REMOVALS PLAN EAST WASHINGTON STREET</p>		<table border="1"> <tr> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>DUPAGE</td> <td>30</td> <td>12</td> </tr> </table>	COUNTY	TOTAL SHEETS	SHEET NO.	DUPAGE	30	12
	COUNTY	TOTAL SHEETS		SHEET NO.								
	DUPAGE	30		12								
	DRAWN - MH	REVISED -		<p>SCALE: 1" = 20'</p>	<p>SHEET NO. 12 OF 30 SHEETS</p>		<p>ILLINOIS</p>					
CHECKED - JC, TP	REVISED -											
DATE - 07.28.2017	REVISED -											

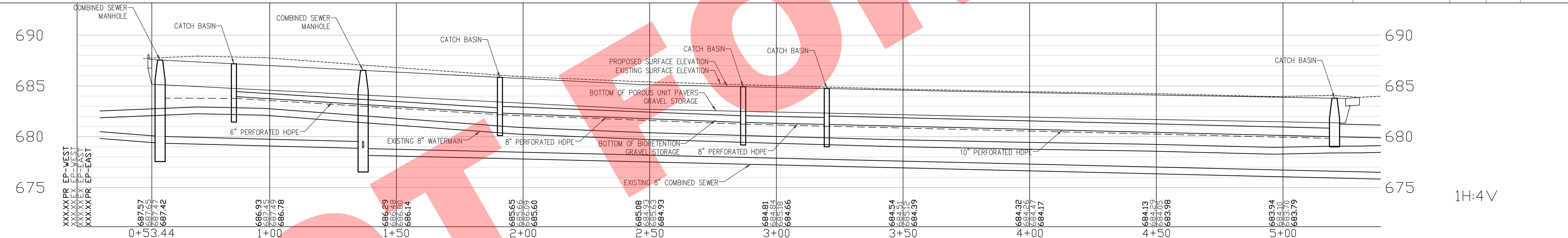
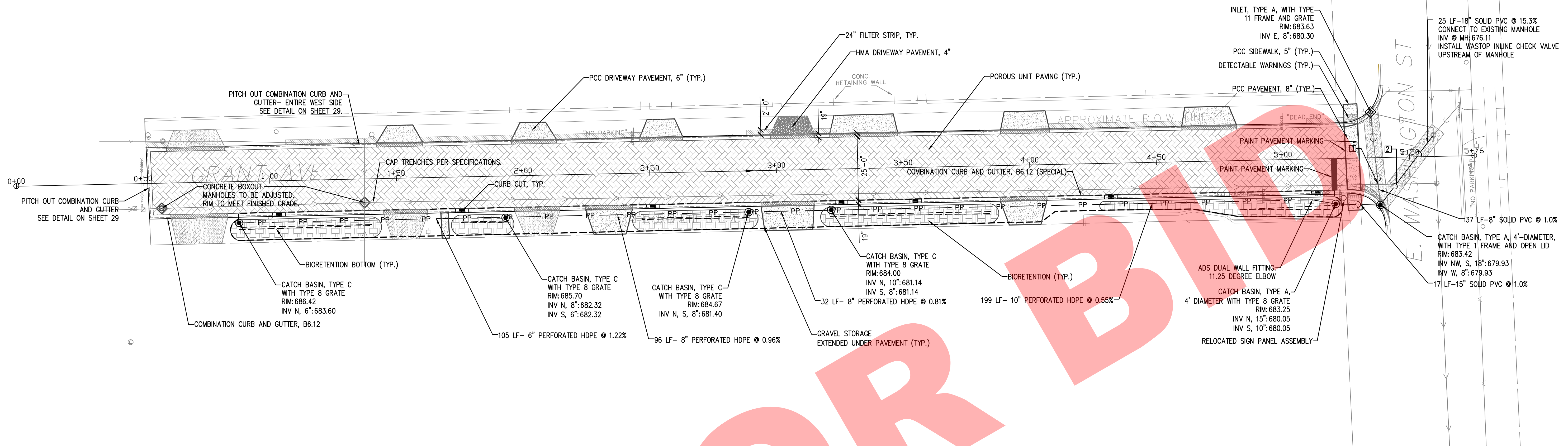


NOT FOR BID

LEGEND

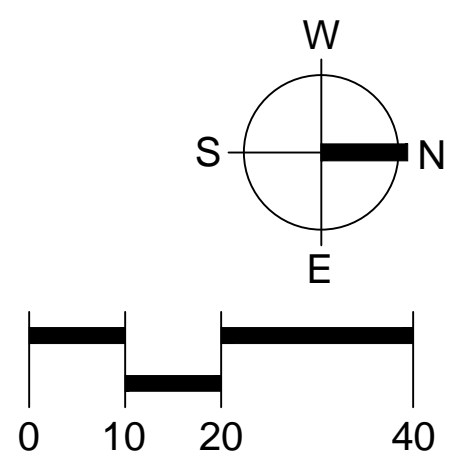
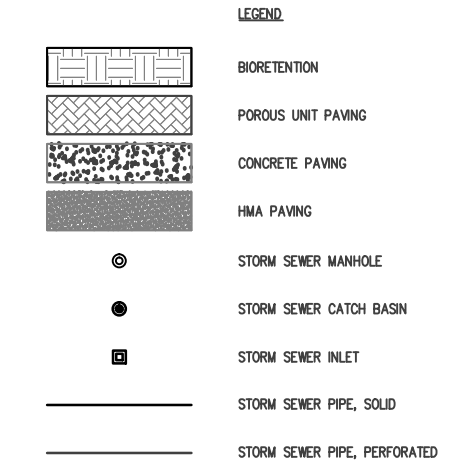
	PAVEMENT REMOVAL HMA, FULL DEPTH
	DRIVEWAY PAVEMENT REMOVAL, HMA FULL DEPTH
	SIDEWALK REMOVAL PCC, FULL DEPTH
	DRIVEWAY PAVEMENT REMOVAL PCC, FULL DEPTH

	CONSERVATION DESIGN FORUM 403 W. ST CHARLES STREET LOMBARD, ILLINOIS 60148 630-559-2000 P / 630-559-2030 F	DESIGNED - FOR BID DRAWN - MH CHECKED - JC, TP DATE - 07.28.2017	REVISED - REVISED - REVISED - REVISED -	VILLAGE OF VILLA PARK WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS	EXISTING CONDITIONS & REMOVALS PLAN WEST WASHINGTON STREET	SCALE: 1" = 20' SHEET NO. 13 OF 30 SHEETS	COUNTY DUPAGE ILLINOIS	TOTAL SHEETS 30	SHEET NO. 13
---	---	---	--	--	--	--	------------------------------	--------------------	-----------------



UTILITY CROSSINGS

1	SAN	EX. 8" VCP	TOP	676.58
	STORM	PR. 8" PVC	BOP	680
2	SAN	EX. 8" VCP	TOP	675.84
	STORM	PR. 18" PVC	BOP	679.73



CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED -	FOR BID	REVISED -	XXX
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.28.2017	REVISED -	

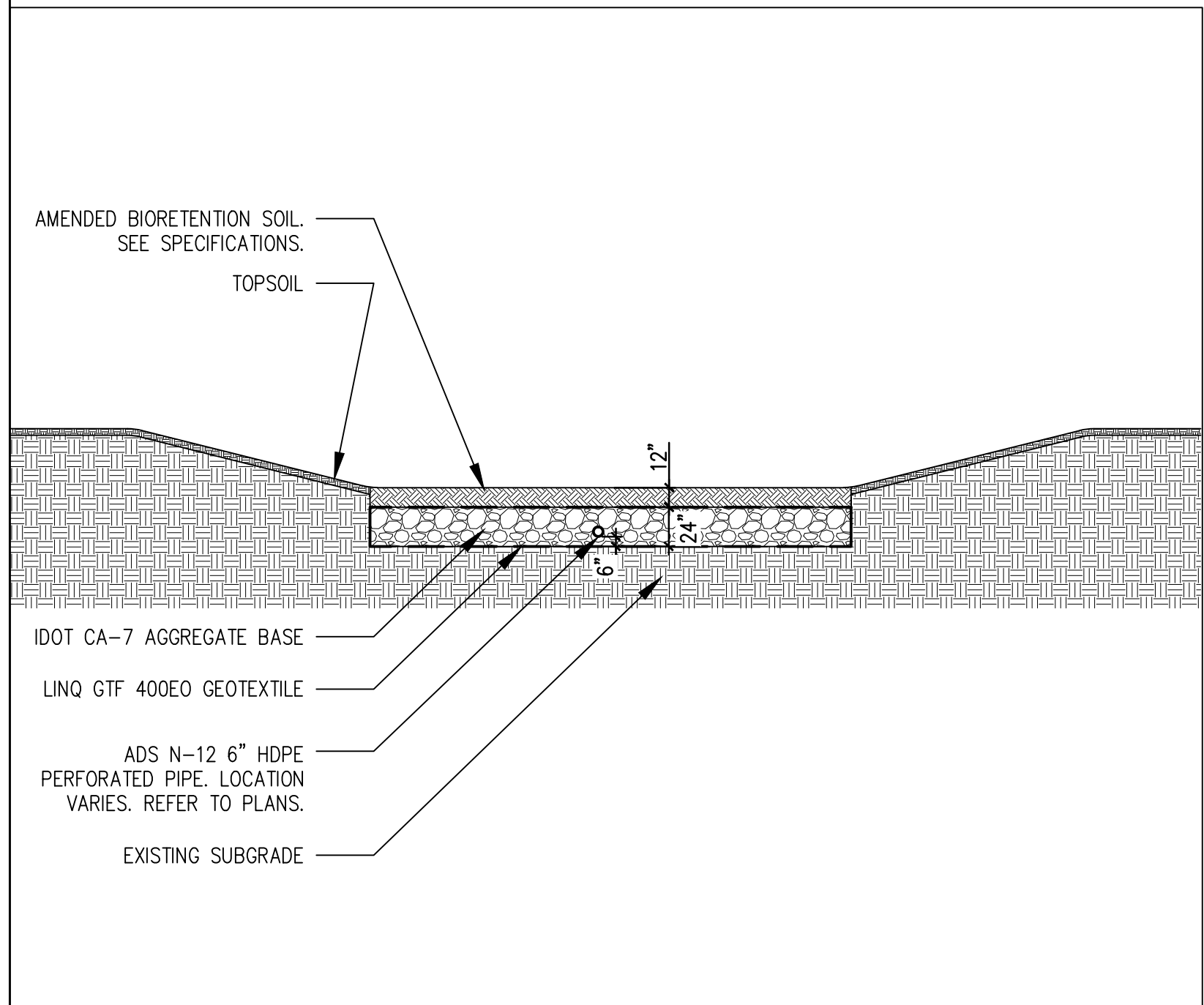
VILLAGE OF VILLA PARK
 WASHINGTON STREET GREEN INFRASTRUCTURE
 IMPROVEMENTS

PLAN & PROFILE
 GRANT AVENUE

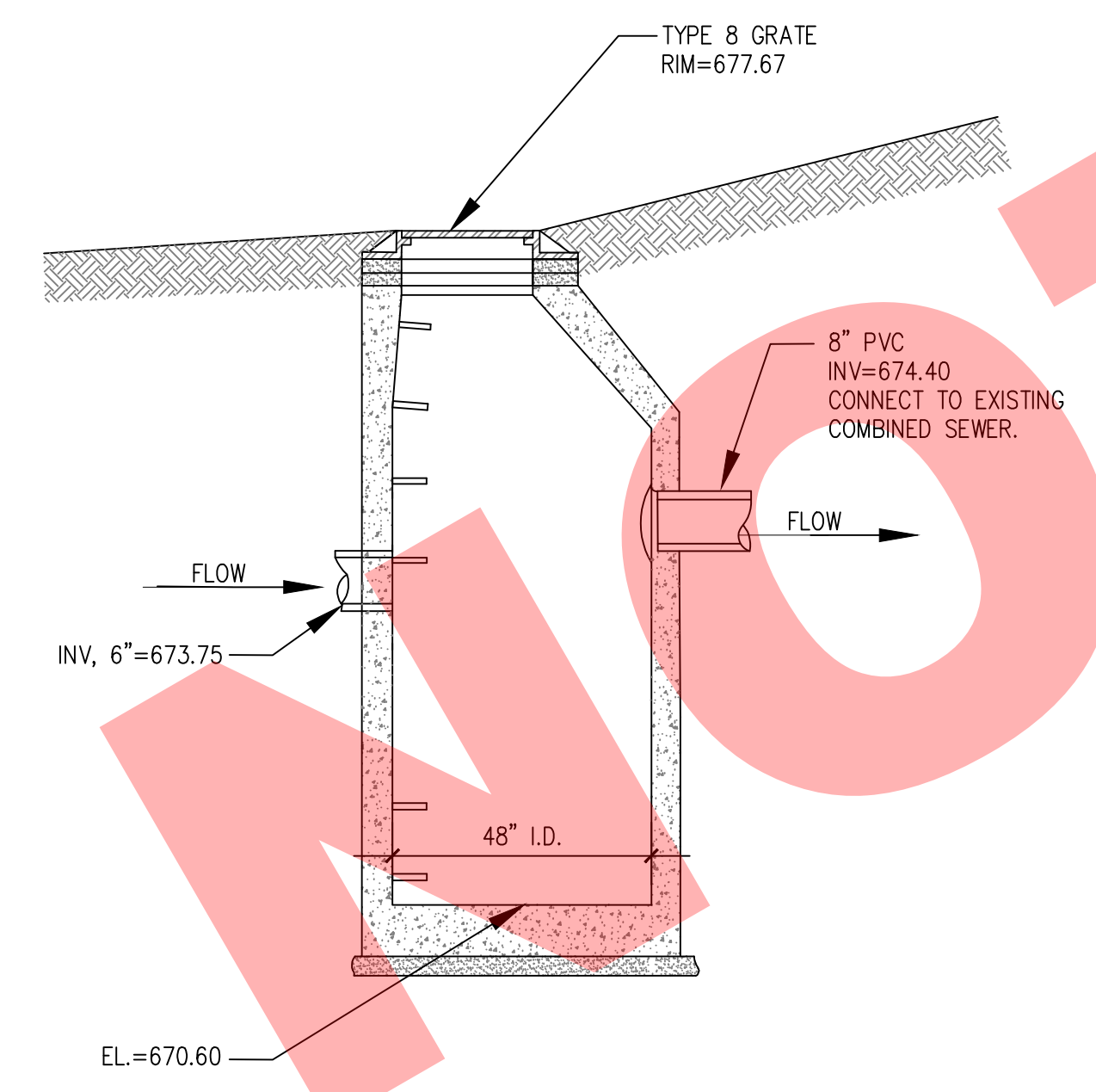
SCALE: 1" = 20'
 SHEET NO. 13 OF 29 SHEETS
 STA. X+XX TO STA. X+XX

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	29	14

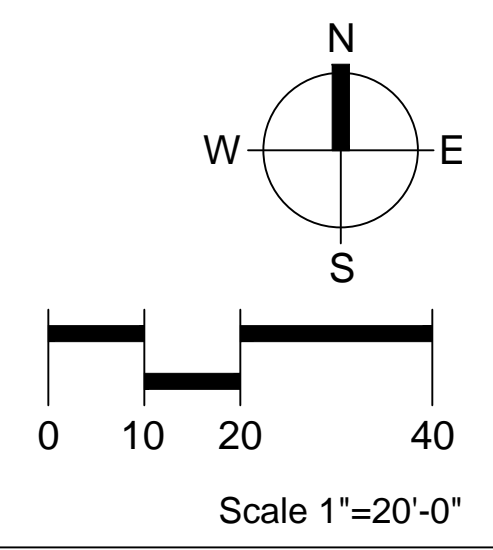
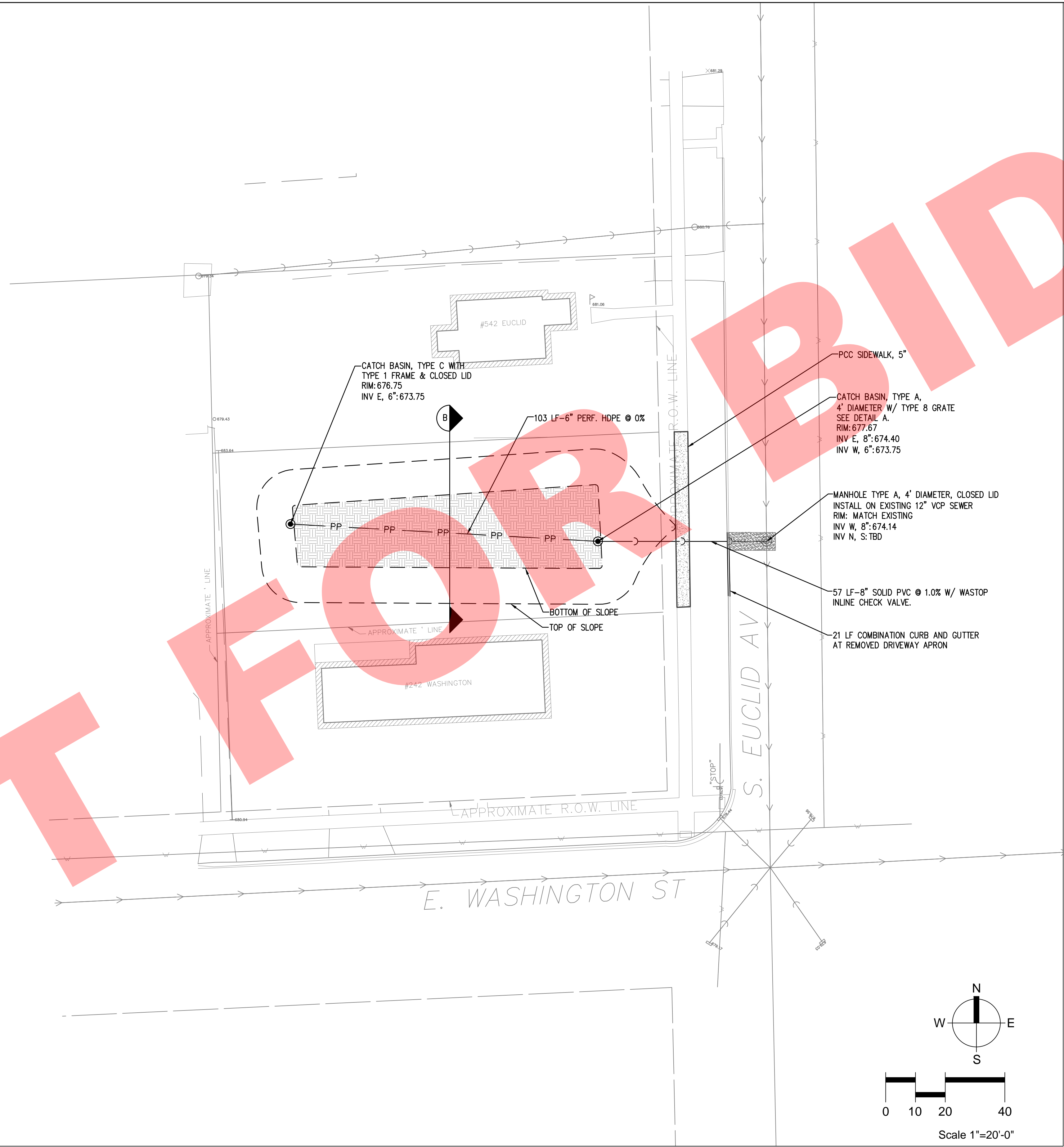
LEGEND	
	BIORETENTION
	POROUS UNIT PAVING
	CONCRETE PAVING
	HMA PAVING
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN
	STORM SEWER INLET
	STORM SEWER PIPE, SOLID
	STORM SEWER PIPE, PERFORATED



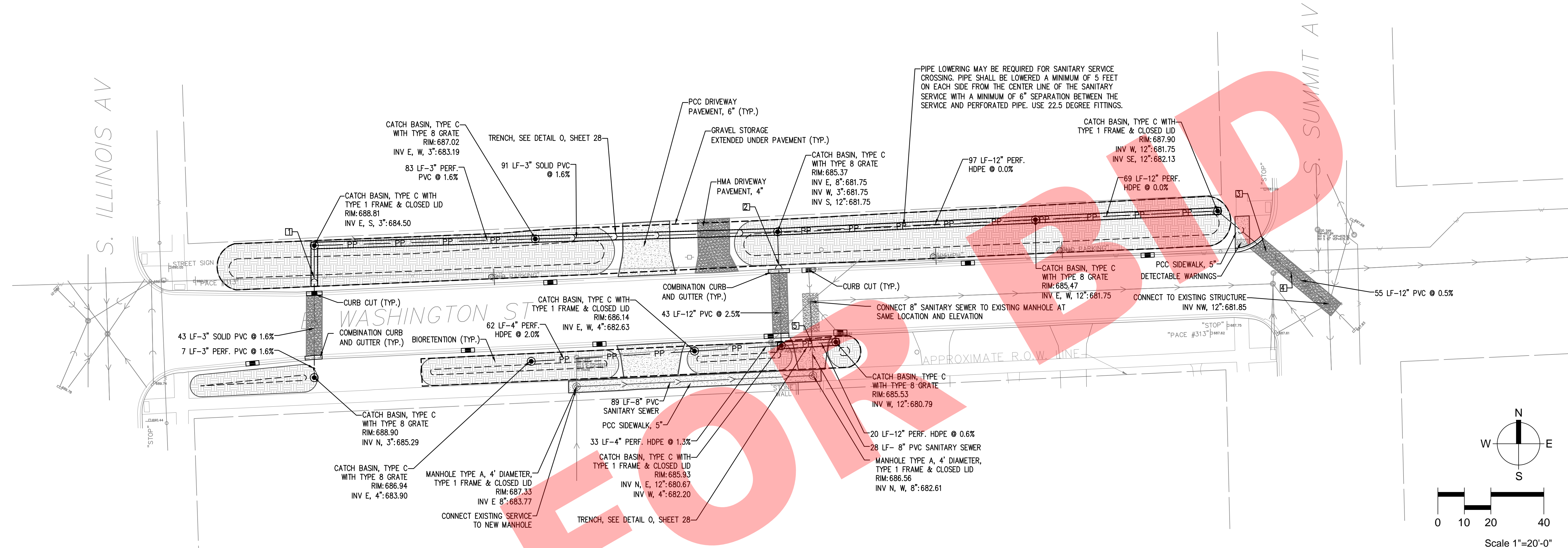
B SECTION
© 2017 By Conservation Design Forum, Inc.



A CATCH BASIN
© 2016 by Conservation Design Forum, Inc.



<p>CONSERVATION DESIGN FORUM 403 W. ST CHARLES STREET LOMBARD, ILLINOIS 60148 630-559-2000 P / 630-559-2030 F</p>	<p>DESIGNED - FOR BID</p> <p>DRAWN - MH</p> <p>CHECKED - JC, TP</p> <p>DATE - 07.28.2017</p>	<p>REVISED - XXX</p> <p>REVISED -</p> <p>REVISED -</p> <p>REVISED -</p>	<p>VILLAGE OF VILLA PARK WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS</p>	<p>PLAN & PROFILE EUCLID AVENUE SITE</p>	<p>SCALE: 1" = 20'</p> <p>SHEET NO. 14 OF 29 SHEETS</p>	<p>COUNTY</p> <p>DUPAGE</p>	<p>TOTAL SHEETS</p> <p>29</p>	<p>SHEET NO.</p> <p>15</p>	<p>ILLINOIS</p>
	<p>© 2017 By Conservation Design Forum, Inc.</p>								



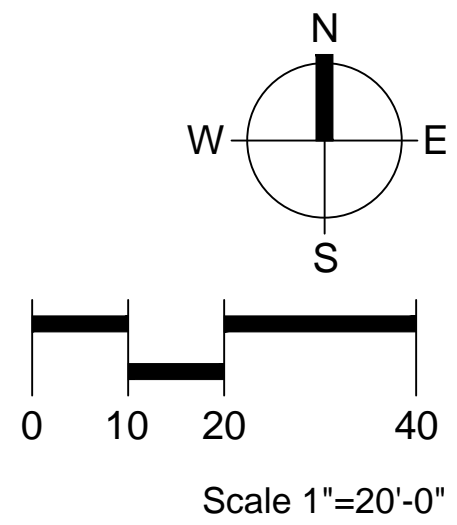
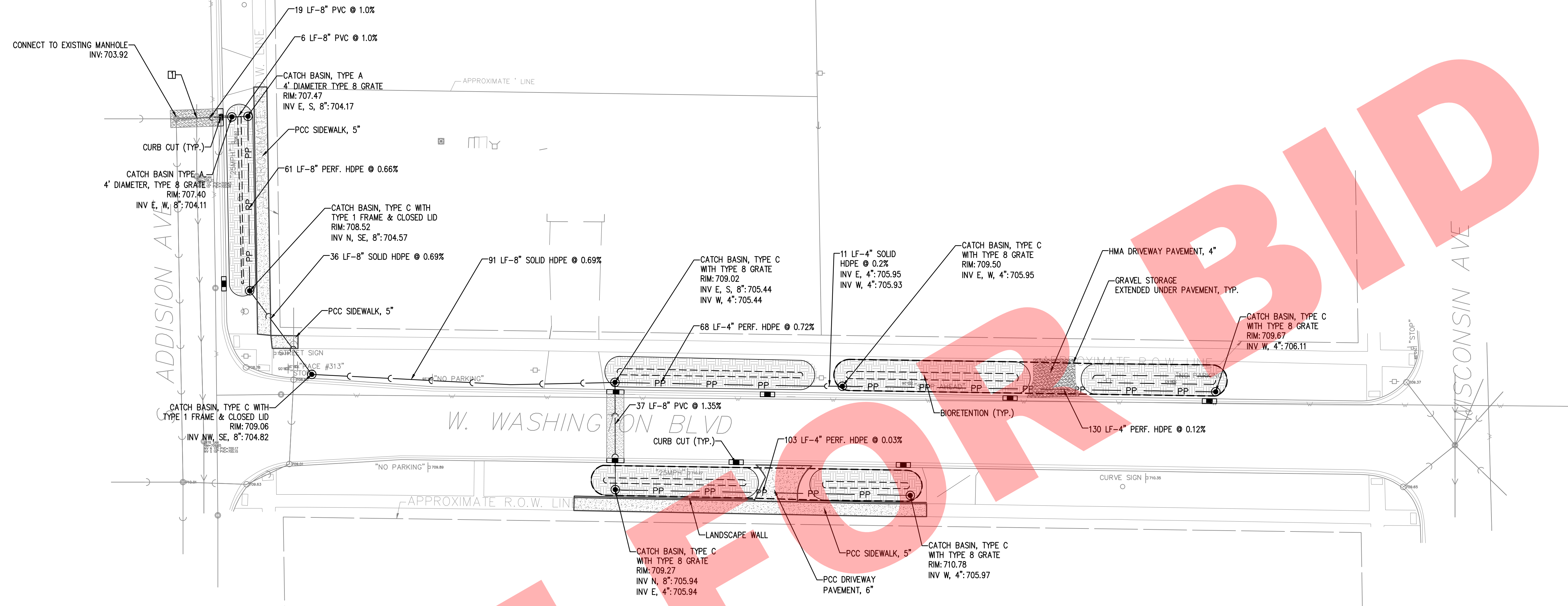
NOT FOR CONSTRUCTION

UTILITY CROSSINGS

NO.	UTILITY	TYPE	ELEVATION
1	WATER UNKNOWN	TOP	683.16*
	STORM 8" PVC	BOP	684.66
2	WATER UNKNOWN	TOP	679.93*
	STORM 12" PVC	BOP	681.43
3	WATER UNKNOWN	TOP	680.47*
	STORM 12" PVC	BOP	681.97
4	SAN 42" BRICK	TOP	679.54
	STORM 12" PVC	BOP	681.94
5	STORM 12" HDPE	TOP	681.84
	SAN 8" PVC	BOP	682.42

LEGEND

	BIORETENTION
	POROUS UNIT PAVING
	CONCRETE PAVING
	HMA PAVING
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN
	STORM SEWER INLET
	STORM SEWER PIPE, SOLID
	STORM SEWER PIPE, PERFORATED



UTILITY CROSSINGS

1	SAN	EX. 12\"	PVC	TOP	701.55
	STORM	PR. 8\"	PVC	BOP	703.97

LEGEND

	BIORETENTION
	POROUS UNIT PAVING
	CONCRETE PAVING
	HMA PAVING
	STORM SEWER MANHOLE
	STORM SEWER CATCH BASIN
	STORM SEWER INLET
	STORM SEWER PIPE, SOLID
	STORM SEWER PIPE, PERFORATED

NOT FOR BID

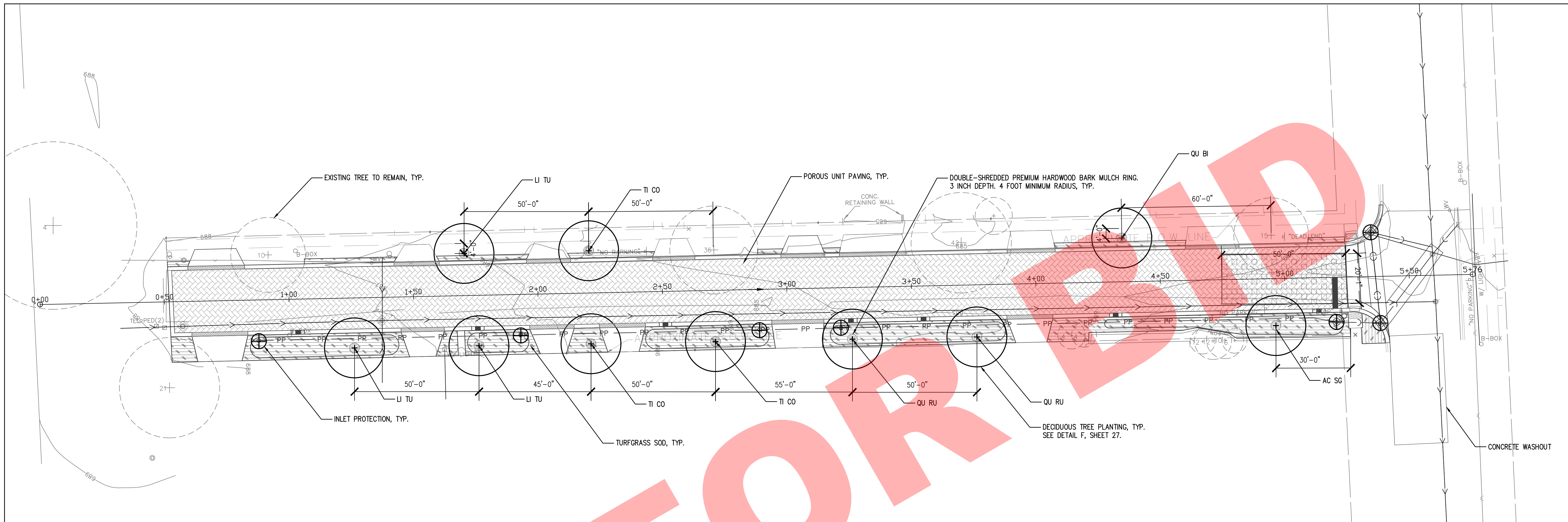
CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED -	FOR BID	REVISED -	XXX
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.28.2017	REVISED -	

VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

PLAN & PROFILE
WEST WASHINGTON STREET
 SCALE: 1" = 20'
 SHEET NO. 16 OF 29 SHEETS

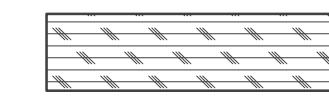
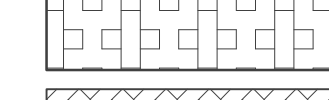


COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	29	17
ILLINOIS		

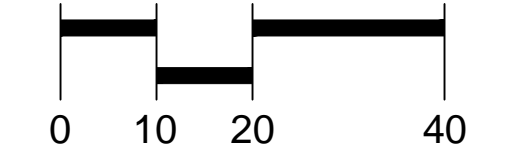
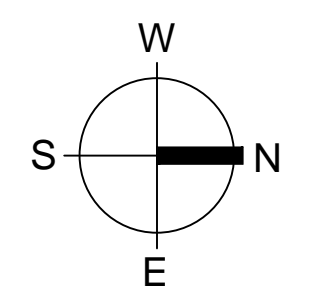


VEGETATION

	Quantity Total (all sheets)	Symbol	Scientific Name	Common Name	Spacing	Container	Size	Comments
Large Deciduous Trees								
	1	AC SG	<i>Acer saccharum</i> 'Green Mountain'	Green Mountain Sugar Maple	NA	B&B	2.5"	Well-formed, central leader
	3	CE OC	<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	NA	B&B	2.5" cal.	Well-formed, central leader, matched
	3	LI TU	<i>Liriodendron tulipifera</i>	Tulip Tree	NA	B&B	2.5" cal.	Well-formed, central leader
	3	QU BI	<i>Quercus bicolor</i>	Swamp White Oak	NA	B&B	2.5" cal.	SPRING DIG ONLY, Well-formed, central leader
	4	QU RU	<i>Quercus rubra</i>	Red Oak	NA	B&B	2.5" cal.	SPRING DIG ONLY, Well-formed, central leader
	5	TI CO	<i>Tilia cordata</i> 'Glenleven'	Glenleven Littleleaf Linden	NA	B&B	2.5" cal.	Well-formed, central leader, more open than 'Greenspire'
	3	ME GL	<i>Metasequoia Glyptostroboidea</i>	Dawn Redwood	NA	B&B	2.5" cal.	
Small Deciduous Trees								
	7	MA PF	<i>Malus</i> 'prairie fire'	Prairie Fire Crabapple	NA	B&B	2.5"	Well-formed
Large Deciduous Shrubs								
	8	VI DE	<i>Viburnum dentatum</i>	Southern Arrowwood	5' O.C.	CONTAINER	5 gal.	
Small Deciduous Shrubs								
	11	ST IN	<i>Stephanandra incisa</i> var 'Crispa'	Crispa Lace Shrub	3' O.C.	CONTAINER	3 gal.	
Perennial Plant								
	45	SP HE	<i>Sporobolus heterolepis</i>	Prairie Dropseed	18" O.C.	CONTAINER	1 gal.	

LEGEND

-  TURFGRASS SOD
-  STABILIZED CONSTRUCTION ENTRANCE
-  POROUS UNIT PAVING
-  DOUBLE-SHREDDED PREMIUM HARDWOOD BARK MULCH RING. SEE DETAIL 0/30.



Scale 1"=20'-0"

CONSERVATION DESIGN FORUM
403 W. ST CHARLES STREET
LOMBARD, ILLINOIS 60148
630-559-2000 P / 630-559-2030 F

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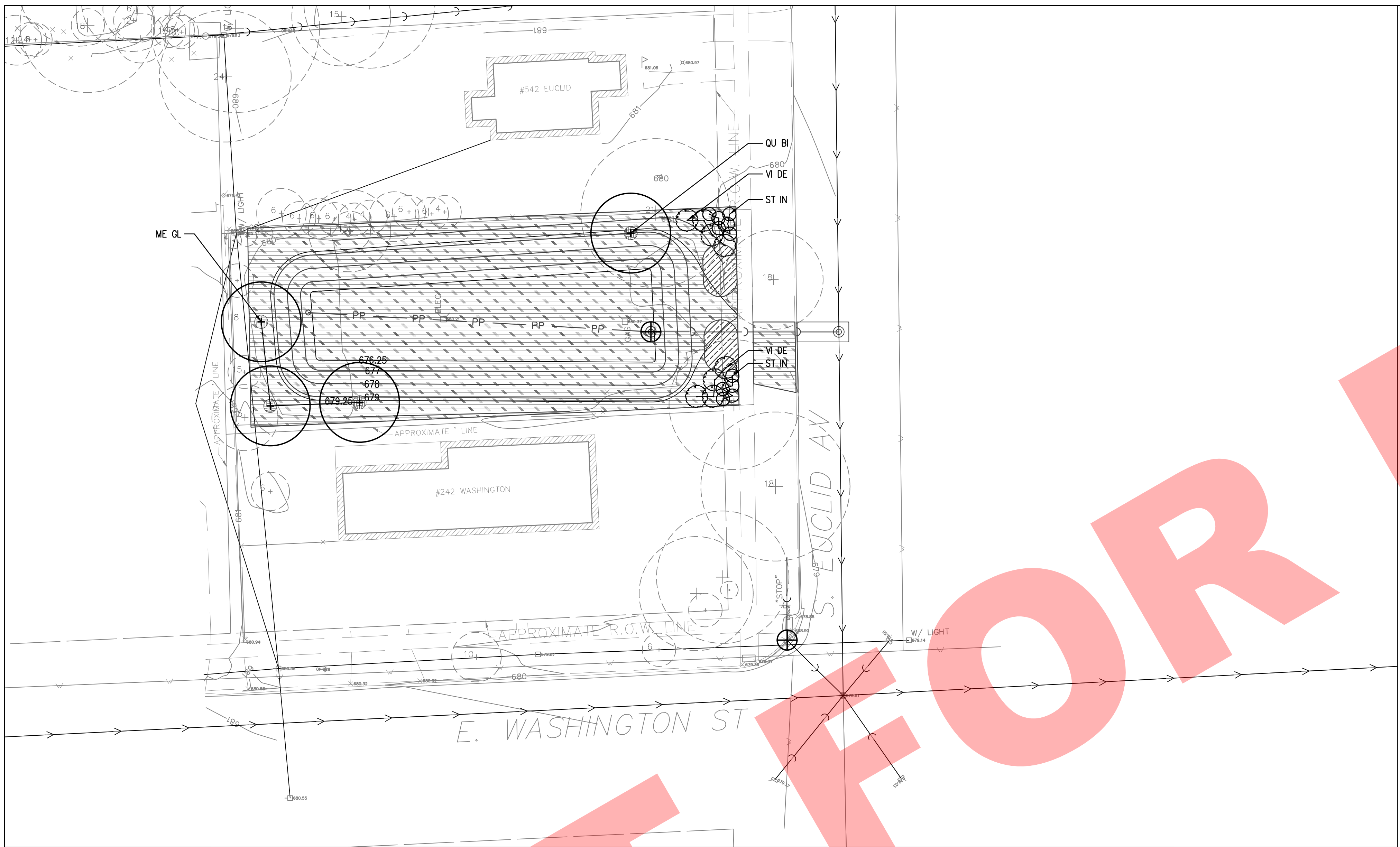
VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

EROSION CONTROL AND PLANTING PLAN
GRANT AVENUE

SCALE: 1" = 20' SHEET NO. 18 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	18

ILLINOIS

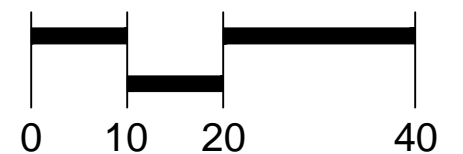
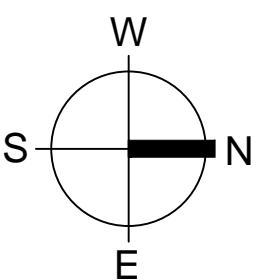


LEGEND	
	TURFGRASS SOD
	STABILIZED CONSTRUCTION ENTRANCE
	POROUS UNIT PAVING
	DOUBLE-SHREDED PREMIUM HARDWOOD BARK MULCH RING. SEE DETAIL 0/30.
	SHORT ORNAMENTAL GRASSES

FOR BID

VEGETATION

	Quantity Total (all sheets)	Symbol	Scientific Name	Common Name	Spacing	Container	Size	Comments
Large Deciduous Trees								
	1	AC SG	<i>Acer saccharum</i> 'Green Mountain'	Green Mountain Sugar Maple	NA	B&B	2.5"	Well-formed, central leader
	3	CE OC	<i>Celtis occidentalis</i> 'Prairie Pride'	Prairie Pride Hackberry	NA	B&B	2.5" cal.	Well-formed, central leader, matched
	3	LI TU	<i>Liriodendron tulipifera</i>	Tulip Tree	NA	B&B	2.5" cal.	Well-formed, central leader
	3	QU BI	<i>Quercus bicolor</i>	Swamp White Oak	NA	B&B	2.5" cal.	SPRING DIG ONLY, Well-formed, central leader
	4	QU RU	<i>Quercus rubra</i>	Red Oak	NA	B&B	2.5" cal.	SPRING DIG ONLY, Well-formed, central leader
	5	TI CO	<i>Tilia cordata</i> 'Glenleven'	Glenleven Littleleaf Linden	NA	B&B	2.5" cal.	Well-formed, central leader, more open than 'Greenspire'
	3	ME GL	<i>Metasequoia Glyptostroboidea</i>	Dawn Redwood	NA	B&B	2.5" cal.	
Small Deciduous Trees								
	7	MA PF	<i>Malus</i> 'prairie fire'	Prairie Fire Crabapple	NA	B&B	2.5"	Well-formed
Large Deciduous Shrubs								
	8	VI DE	<i>Viburnum dentatum</i>	Southern Arrowwood	5' O.C.	CONTAINER	5 gal.	
Small Deciduous Shrubs								
	11	ST IN	<i>Stephanandra incisa</i> var 'Crispa'	Crispa Lace Shrub	3' O.C.	CONTAINER	3 gal.	
Perennial Plant								
	45	SP HE	<i>Sporobolus heterolepis</i>	Prairie Dropseed	18" O.C.	CONTAINER	1 gal.	



Scale 1"=20'-0"

CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
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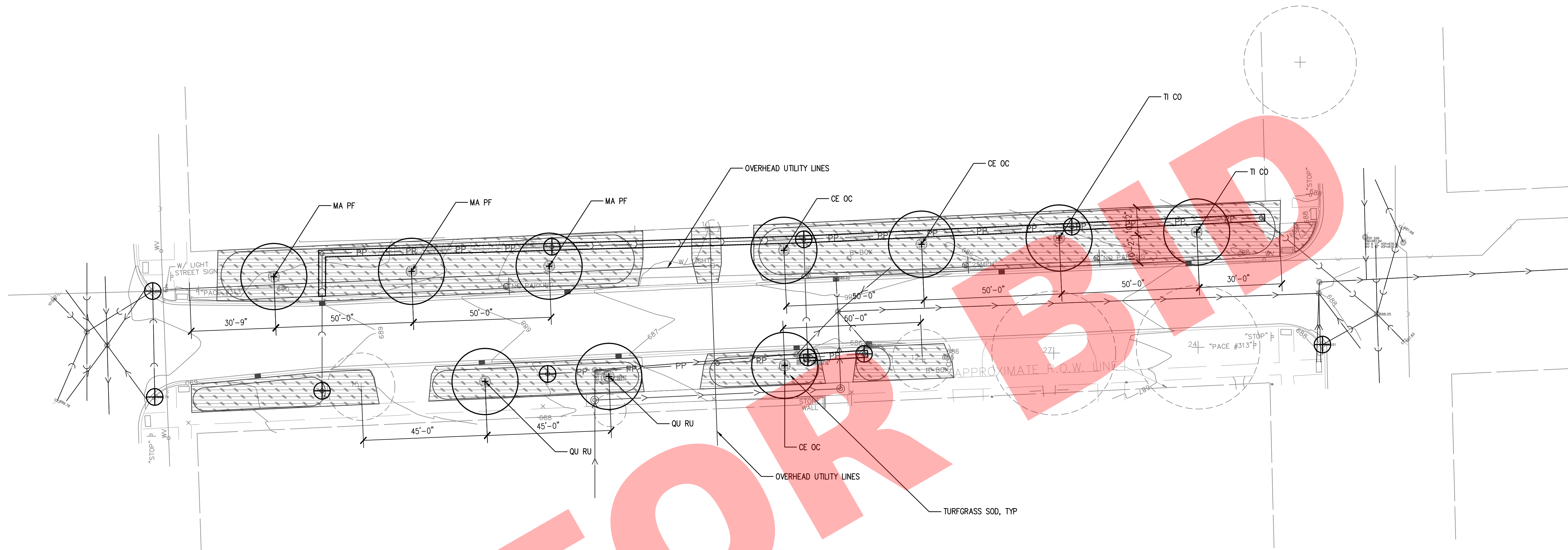
DESIGNED - FOR BID	REVISED - XXX
DRAWN - MH	REVISED -
CHECKED - JC, TP	REVISED -
DATE - 07.28.2017	REVISED -

VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

EROSION CONTROL AND PLANTING PLAN
EUCLID AVENUE SITE

SCALE: 1" = 20' SHEET NO. 19 OF 30 SHEETS


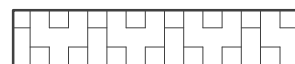


COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS	30	19

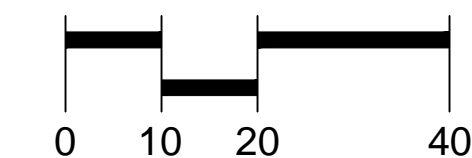
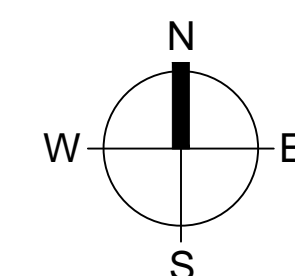


VEGETATION

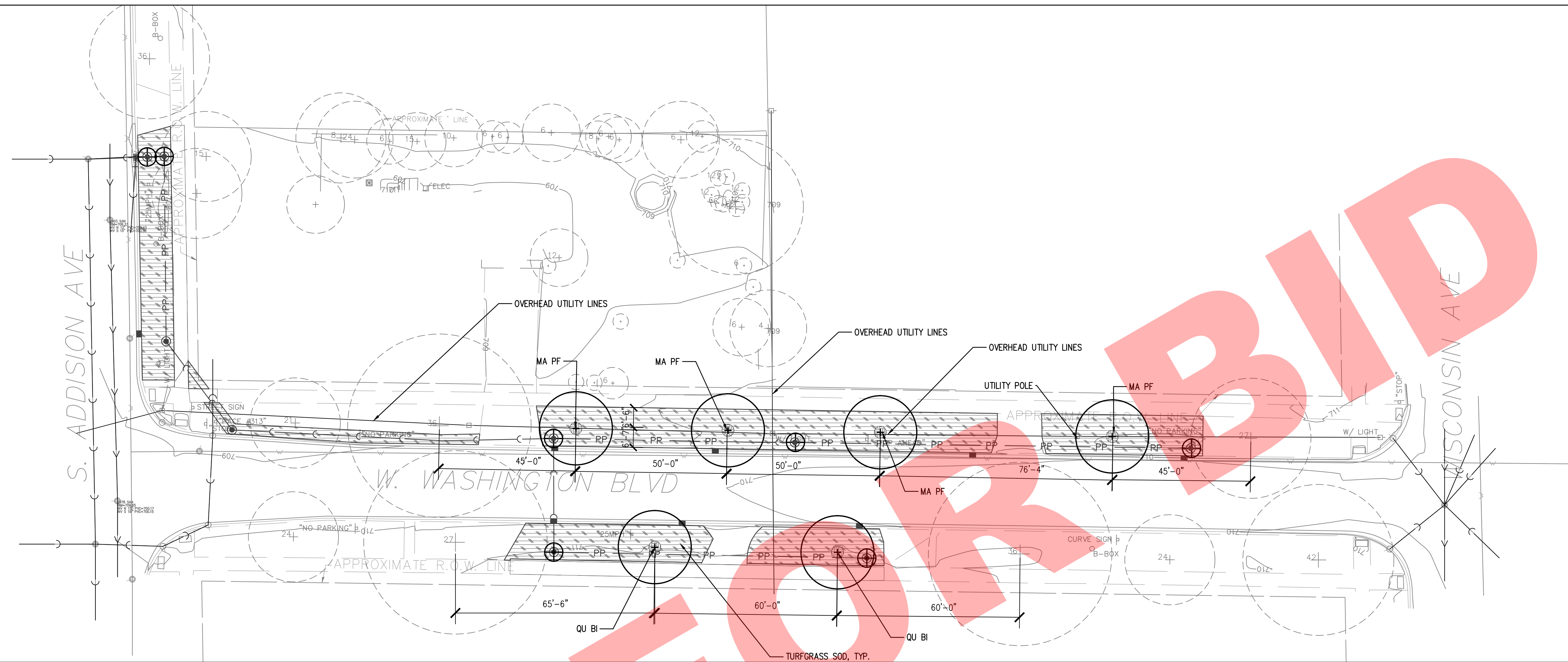
	Quantity Total (all sheets)	Symbol	Scientific Name	Common Name	Spacing	Container	Size	Comments
Large Deciduous Trees								
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	3	LI TU	<i>Liriodendron tulipifera</i>	Tulip Tree	NA	B&B	2.5" cal.	Well-formed, central leader
	3	QU BI	<i>Quercus bicolor</i>	Swamp White Oak	NA	B&B	2.5" cal.	SPRING DIG ONLY, Well-formed, central leader
	4	QU RU	<i>Quercus rubra</i>	Red Oak	NA	B&B	2.5" cal.	SPRING DIG ONLY, Well-formed, central leader
	5	TI CO	<i>Tilia cordata</i> 'Glenleven'	Glenleven Littleleaf Linden	NA	B&B	2.5" cal.	Well-formed, central leader, more open than 'Greenspire'
	3	ME GL	<i>Metasequoia glyptostroboides</i>	Dawn Redwood	NA	B&B	2.5" cal.	
Small Deciduous Trees								
	7	MA PF	<i>Malus</i> 'prairie fire'	Prairie Fire Crabapple	NA	B&B	2.5"	Well-formed
Large Deciduous Shrubs								
	8	VI DE	<i>Viburnum dentatum</i>	Southern Arrowwood	5' O.C.	CONTAINER	5 gal.	
Small Deciduous Shrubs								
	11	ST IN	<i>Stephanandra incisa</i> var 'Crispa'	Crispa Lace Shrub	3' O.C.	CONTAINER	3 gal.	
Perennial Plant								
	45	SP HE	<i>Sporobolus heterolepis</i>	Prairie Dropseed	18" O.C.	CONTAINER	1 gal.	

LEGEND

-  TURFGRASS SOD
-  STABILIZED CONSTRUCTION ENTRANCE
-  POROUS UNIT PAVING
-  DOUBLE-SHRIPPED PREMIUM HARDWOOD BARK MULCH RING. SEE DETAIL 0/30.



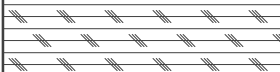



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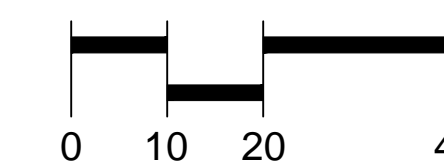
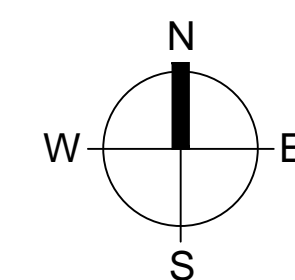


VEGETATION

	Quantity Total (all sheets)	Symbol	Scientific Name	Common Name	Spacing	Container	Size	Comments
Large Deciduous Trees								
	1	AC SG	Acer saccharum 'Green Mountain'	Green Mountain Sugar Maple	NA	B&B	2.5"	Well-formed, central leader
	3	CE OC	Celtis occidentalis 'Prairie Pride'	Prairie Pride Hackberry	NA	B&B	2.5" cal.	Well-formed, central leader, matched
	3	LI TU	Liriodendron tulipifera	Tulip Tree	NA	B&B	2.5" cal.	Well-formed, central leader
	3	QU BI	Quercus bicolor	Swamp White Oak	NA	B&B	2.5" cal.	SPRING DIG ONLY, Well-formed, central leader
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	5	TI CO	Tilia cordata 'Glenleven'	Glenleven Littleleaf Linden	NA	B&B	2.5" cal.	Well-formed, central leader, more open than 'Greenspire'
	3	ME GL	Metasequoia Glyptostroboides	Dawn Redwood	NA	B&B	2.5" cal.	
Small Deciduous Trees								
	7	MA PF	Malus 'prairie fire'	Prairie Fire Crabapple	NA	B&B	2.5"	Well-formed
Large Deciduous Shrubs								
	8	VI DE	Viburnum dentatum	Southern Arrowwood	5' O.C.	CONTAINER	5 gal.	
Small Deciduous Shrubs								
	11	ST IN	Stephanandra incisa var 'Crispa'	Crispa Lace Shrub	3' O.C.	CONTAINER	3 gal.	
Perennial Plant								
	45	SP HE	Sporobolus Heterolepis	Prairie Dropseed	18" O.C.	CONTAINER	1 gal.	

LEGEND

-  TURFGRASS SOD
-  STABILIZED CONSTRUCTION ENTRANCE
-  POROUS UNIT PAVING
-  DOUBLE-SHREDDED PREMIUM HARDWOOD BARK MULCH RING. SEE DETAIL 0/30.



Scale 1"=20'-0"

CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED - FOR BID
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REVISED - XXX
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 REVISED -
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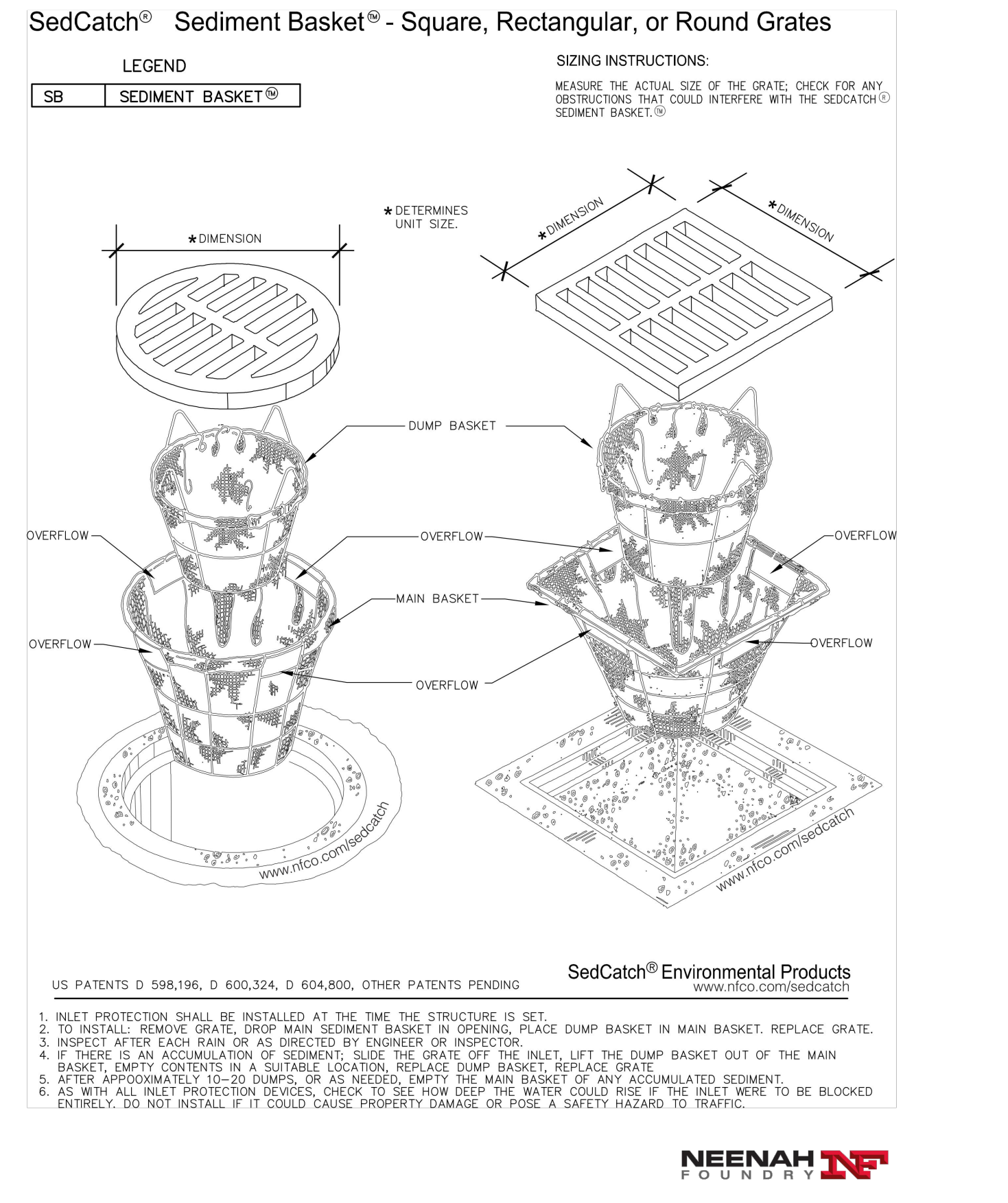
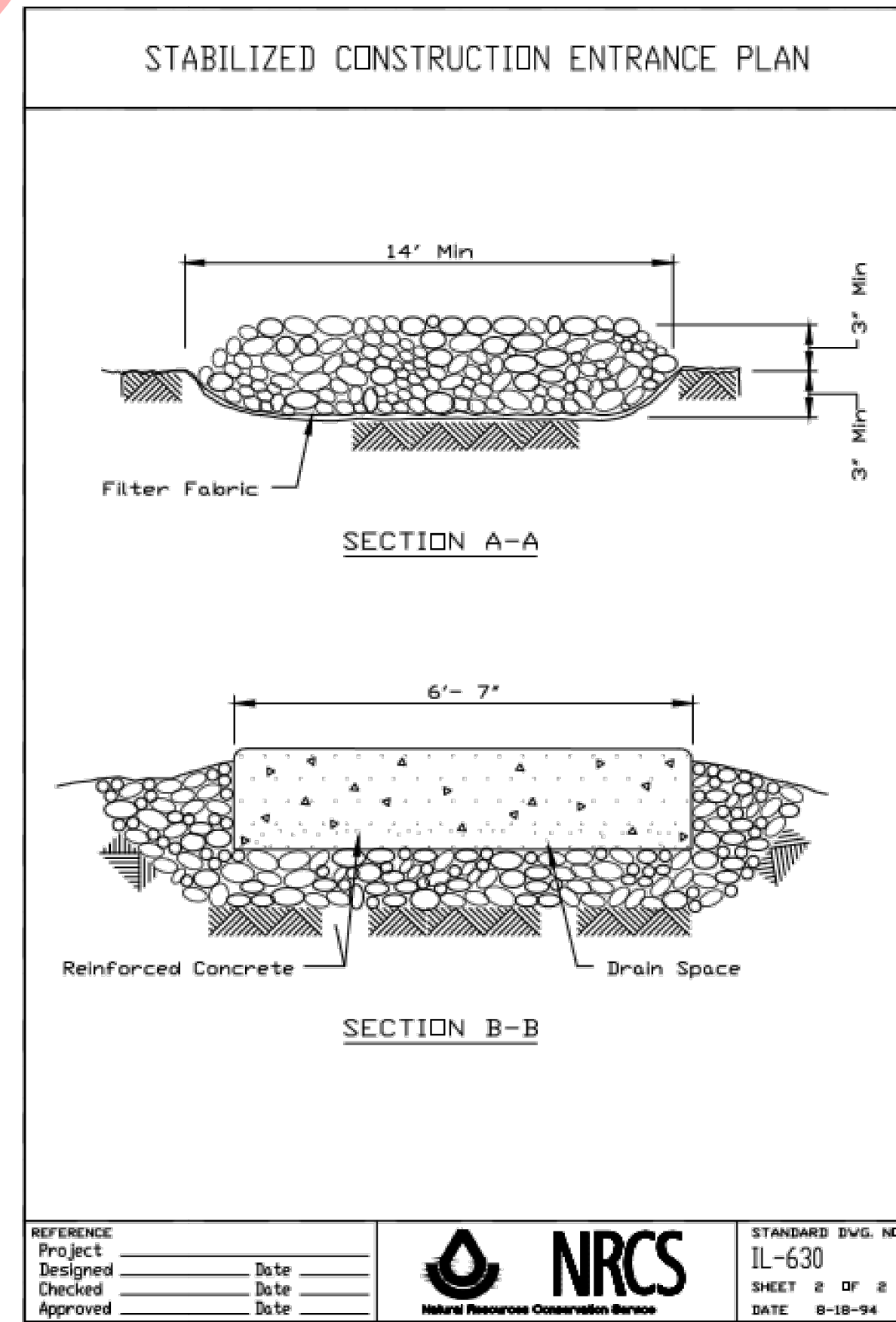
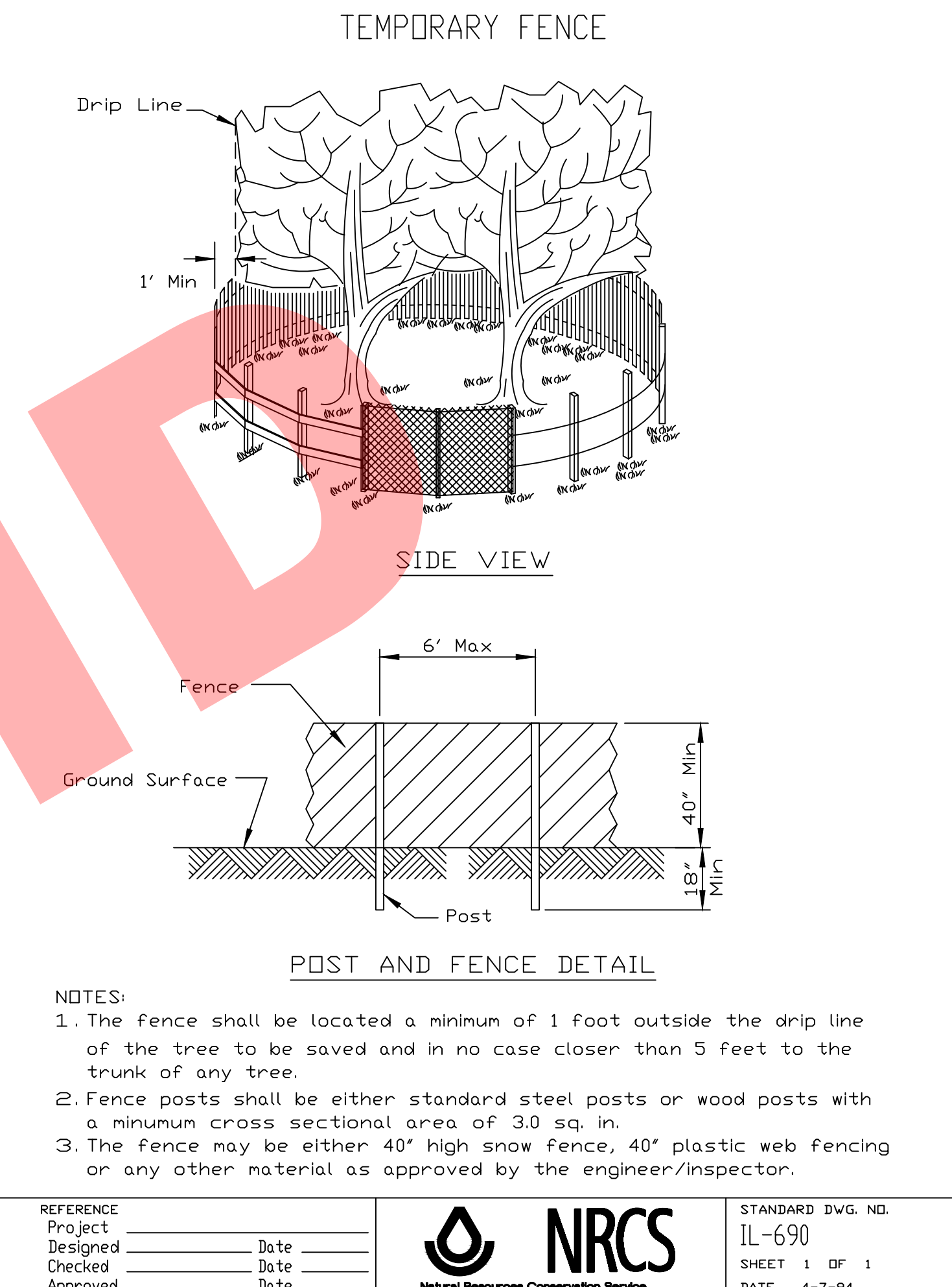
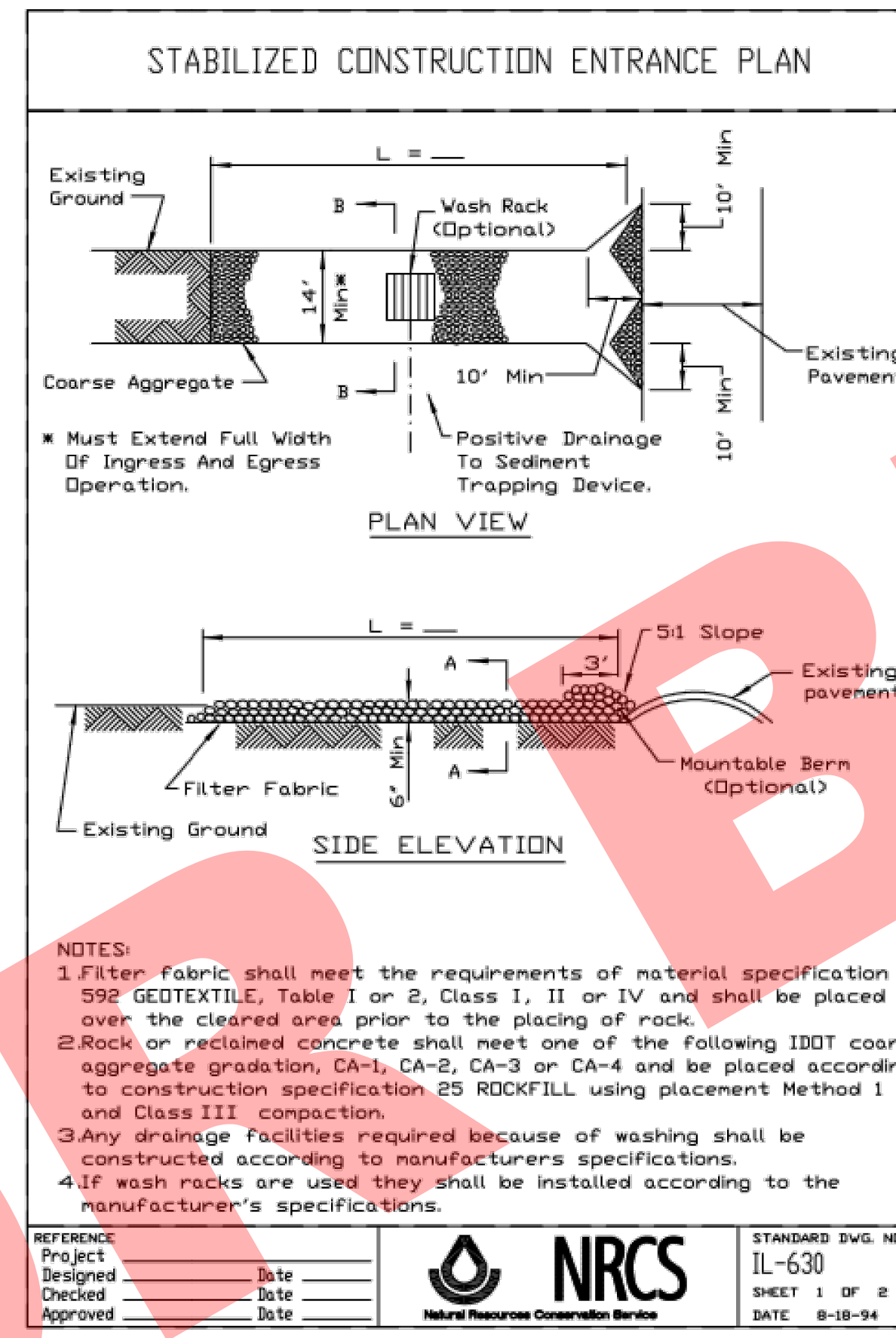
**VILLAGE OF VILLA PARK
 WASHINGTON STREET GREEN INFRASTRUCTURE
 IMPROVEMENTS**

**EROSION CONTROL AND PLANTING PLAN
 WEST WASHINGTON STREET**

SCALE: 1" = 20'
 SHEET NO. 21 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	21

ILLINOIS



NOT FOR

STORMWATER POLLUTION PREVENTION PLAN

1. SITE DESCRIPTION

A. THE FOLLOWING IS A DESCRIPTION OF THE NATURE OF THE CONSTRUCTION ACTIVITY OR DEMOLITION WORK.

THE PROJECT INCLUDES DEMOLITION OF EXISTING ASPHALT ROADWAY, SHOULDERS, DRIVEWAYS, AND SIDEWALKS; GRADING; AND CONSTRUCTION OF ROADWAYS, DRIVEWAYS, SIDEWALKS, AND ASSOCIATED STORMWATER MANAGEMENT FACILITIES.

B. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH DISTURB SOILS FOR MAJOR PORTIONS OF THE SITE.

- INSTALLATION OF SESC MEASURES
- DEMOLITION
- TOPSOIL STRIPPING
- GRADING
- CONSTRUCTION OF PROPOSED IMPROVEMENTS
- TOPSOIL RESPREAD
- PLANTINGS AND FINAL STABILIZATION
- REMOVAL OF SESC MEASURES

C. THE FOLLOWING IS AN ESTIMATE OF THE TOTAL AREA OF THE SITE AND THE TOTAL AREA OF THE SITE THAT IS EXPECTED TO BE DISTURBED BY EXCAVATION, GRADING, OR OTHER ACTIVITIES.

TOTAL SITE AREA: +/- 2.1 AC
DISTURBED AREA: +/- 1.5 AC

D. THE FOLLOWING IS AN ESTIMATE OF THE RUNOFF COEFFICIENT OF THE SITE AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED AND EXISTING DATA DESCRIBING THE SOIL OR THE QUALITY OF ANY DISCHARGE FROM THE SITE.

POST-DEVELOPMENT RUNOFF COEFFICIENT: 0.45
SOIL TYPES: MARKHAM-ASHKUM-BEECHER COMPLEX, BROWN-GRAY CLAY, TRACE SILT, TRACE SAND.

E. REFER TO THE DRAWINGS FOR SITE MAPS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFFSITE SEDIMENT TRACKING, AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS IDENTIFIED IN THIS PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORMWATER IS DISCHARGED TO A SURFACE WATER.

F. THE FOLLOWING IS THE NAME OF THE RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND WETLAND ACREAGE AT THE SITE.

RECEIVING WATERS: SALT CREEK
WETLAND ACREAGE: 0 AC

2. CONTROLS

THIS SECTION OF THE PLAN INCLUDES A DESCRIPTION OF APPROPRIATE CONTROLS THAT WILL BE IMPLEMENTED AT THE CONSTRUCTION SITE FOR EACH MAJOR ACTIVITY IDENTIFIED IN PARAGRAPH 1.B. ABOVE. FOR EACH CONTROL DISCUSSED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. EACH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF, THIS PLAN. THE SWPPP DRAWINGS INCLUDED SHALL DEFINE THE SIZE AND LOCATION OF THE CONTROLS TO BE INSTALLED DURING THE CONSTRUCTION OF THIS PROJECT.

A. EROSION AND SEDIMENT CONTROLS

(i) STABILIZATION PRACTICES

PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE-SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. EXCEPT AS PROVIDED BELOW, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

- WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION SHALL BE INITIATED AS SOON AS PRACTICABLE.
- WHERE CONSTRUCTION ACTIVITY WILL RESUME ON A PORTION OF THE SITE WITHIN 14 DAYS FROM WHEN ACTIVITIES CEASED, THEN STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF SITE BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY CEASED.

DESCRIPTION OF STABILIZATION PRACTICES

- TEMPORARY STABILIZATION WITH EROSION CONTROL BLANKET, STRAW MULCH, AND TEMPORARY SEEDING SHALL BE USED TO STABILIZE CONSTRUCTION AREAS WHERE CONSTRUCTION ACTIVITY IS HALTED FOR MORE THAN 14 DAYS OR AREAS WHERE THE FINAL GRADE HAS BEEN REACHED BUT CANNOT BE PERMANENTLY STABILIZED DUE TO THE PLANTING SEASON RESTRICTIONS OF THE PERMANENT STABILIZATION.
- PERMANENT STABILIZATION WITH PERMANENT SEEDING AND LIVE PLANT MATERIAL SHALL BE USED TO STABILIZE AREAS WHERE FINAL GRADE HAS BEEN REACHED.

(ii) STRUCTURAL PRACTICES

PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES UTILIZED TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS, OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT. DESCRIPTION OF STRUCTURAL PRACTICES

- INLET PROTECTION SHALL BE INSTALLED AT THE LOCATIONS INDICATED, AND ALL OTHER LOCATIONS AS APPROPRIATE.

(iii) BEST MANAGEMENT PRACTICES

POROUS UNIT PAVING AND BIOMETENTION AREAS WILL REDUCE RUNOFF QUANTITY AND REDUCE DOWNSTREAM EROSION, PROVIDE STORM WATER DETENTION, AND PROVIDE WATER QUALITY BENEFITS.

B. STORMWATER MANAGEMENT

PROVIDED BELOW IS A DESCRIPTION OF THE MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORMWATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATION HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT. THIS PLAN ONLY ADDRESSES THE INSTALLATION OF STORMWATER MANAGEMENT MEASURES, AND NOT THE ULTIMATE OPERATION AND MAINTENANCE OF SUCH STRUCTURES AFTER THE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION. PERMITTEES ARE RESPONSIBLE FOR ONLY INSTALLATION AND MAINTENANCE OF STORMWATER MANAGEMENT MEASURES PRIOR TO FINAL STABILIZATION OF THE SITE, AND ARE NOT RESPONSIBLE FOR MAINTENANCE OF STORMWATER MANAGEMENT MEASURES AFTER CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED AND THE SITE HAS UNDERGONE FINAL STABILIZATION.

DESCRIPTION OF STORMWATER MANAGEMENT MEASURES

- POROUS UNIT PAVING AND BIOMETENTION AREAS WILL REDUCE RUNOFF QUANTITY AND REDUCE DOWNSTREAM EROSION, PROVIDE STORMWATER DETENTION, AND PROVIDE WATER QUALITY BENEFITS.

C. OTHER CONTROLS

(i) VEHICLE ENTRANCES AND EXITS: STABILIZED CONSTRUCTION ENTRANCES AND EXITS SHALL BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENT ON ROADWAYS.

(ii) MATERIAL DELIVERY, STORAGE, AND USE: THE FOLLOWING BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE.

- ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
- WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
- A STORAGE / CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING INTO CONTACT WITH THE PRODUCTS BEING STORED.
- LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORMWATER RUNOFF.
- SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM THEIR EMPLOYEES AND THE OWNER / ENGINEER OF THIS LOCATION.

(iii) STOCKPILE MANAGEMENT: BEST MANAGEMENT PRACTICES SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORMWATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUBBASE, AND PRE-MIXED AGGREGATE. BEST MANAGEMENT PRACTICES SHALL INCLUDE TEMPORARY SEEDING, SILT FENCE, AND INLET PROTECTION. OVERNIGHT STOCKPILING IS NOT PERMITTED.

(iv) WASTE DISPOSAL: NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. ALL SOLID WASTE MATERIALS INCLUDING TRASH, CONSTRUCTION DEBRIS, EXCESS CONSTRUCTION MATERIALS, MACHINERY, TOOLS AND OTHER ITEMS SHALL BE COLLECTED AND DISPOSED OF OFFSITE BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE TO ACQUIRE ANY PERMIT REQUIRED FOR SUCH DISPOSAL. BURNING ON-SITE SHALL NOT BE PERMITTED.

(v) THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH THE APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER, OR SEPTIC SYSTEM REGULATIONS. THE CONTRACTOR SHALL NOT CREATE OR ALLOW UNSANITARY CONDITIONS.

(vi) THE CONTRACTOR SHALL PROVIDE THE OWNER / ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF THE PRACTICES AND THE PROCEDURES THEY WILL USE TO MAINTAIN THEM.

D. APPROVED STATE OR LOCAL PLANS

THE MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS CONTAINED IN THIS PLAN ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, LATEST EDITION. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORMWATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS OR SITE PERMITS, OR STORMWATER MANAGEMENT SITE PLANS OR SITE PERMITS, APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF A NOTICE OF INTENT (NOI), TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN. THE SOIL EROSION AND SEDIMENT CONTROL FOR THIS SITE MUST MEET THE REQUIREMENTS OF THE FOLLOWING AGENCIES:

- ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
- ILLINOIS DEPARTMENT OF NATURAL RESOURCES
- U.S. ARMY CORPS OF ENGINEERS

3. MAINTENANCE

PROVIDED BELOW IS A DESCRIPTION OF PROCEDURES THAT SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES, AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THE PLAN.

ALL MAINTENANCE OF EROSION CONTROL SYSTEMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD ALSO BE INSPECTED PERIODICALLY.

THE FOLLOWING SHALL BE THE MINIMUM MAINTENANCE REQUIREMENTS:

A. TEMPORARY SEEDING: ALL ERODIBLE BARE SOIL AREAS WILL BE TEMPORARILY SEEDDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONTRACT LIMITS.

B. EROSION CONTROL BLANKET: ANY AREAS THAT FAIL WILL BE REPAIRED IMMEDIATELY.

C. INLET PROTECTION: SEDIMENT SHALL BE REMOVED IF THE INTEGRITY OF THE INLET PROTECTION IS IN JEOPARDY AND ANY AREAS THAT FAIL SHALL BE REPAIRED IMMEDIATELY.

D. STABILIZED CONSTRUCTION ENTRANCE: SEDIMENT SHALL BE REMOVED AS NEEDED, AND ANY AREAS THAT FAIL SHALL BE REPAIRED IMMEDIATELY.

4. INSPECTIONS

QUALIFIED PERSONNEL PROVIDED BY THE CONTRACTOR SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED, STURCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AT LEAST ONCE EVERY 7 CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL. QUALIFIED PERSONNEL MEANS A PERSON KNOWLEDGEABLE IN THE PRINCIPLES AND PRACTICES OF EROSION AND SEDIMENT CONTROLS MEASURES, SUCH AS A LICENSED PROFESSIONAL ENGINEER (PE), A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), A CERTIFIED EROSION SEDIMENT AND STORMWATER INSPECTOR (CESSWI) OR OTHER KNOWLEDGEABLE PERSON WHO POSSESSES THE SKILLS TO ASSESS CONDITIONS AT THE CONSTRUCTION SITE THAT COULD IMPACT STORMWATER QUALITY AND TO ASSESS THE EFFECTIVENESS OF ANY SEDIMENT AND EROSION CONTROL MEASURES SELECTED TO CONTROL THE QUALITY OF STORMWATER DISCHARGES FROM THE CONSTRUCTION ACTIVITIES.

A. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY, WHERE DISCHARGE LOCATIONS OR POINTS ARE ACCESSIBLE, THEY SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFFSITE SEDIMENT TRACKING.

B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN PART 1. SITE DESCRIPTION AND POTENTIAL POLLUTION PREVENTION MEASURES IDENTIFIED IN PART 2. CONTROLS SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THE PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 0.5 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION.

C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORMWATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PART 4.B. SHALL BE MADE AND RETAINED AS PART OF THE STORMWATER POLLUTION PREVENTION PLAN FOR AT LEAST 3 YEARS AFTER THE DATE OF THE INSPECTION. A COPY OF THE INSPECTION REPORT SHALL BE RETAINED AT THE CONSTRUCTION SITE. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI.G. OF THE GENERAL PERMIT.

D. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE IEPA FIELD OPERATIONS SECTION BY EMAIL AT: EPA.SWNONCOMP@ILLINOIS.GOV, TELEPHONE, OR FAX WITHIN 24 HOURS OF ANY INCIDENCE OF NONCOMPLIANCE FOR ANY VIOLATION OF THE STORMWATER POLLUTION

PREVENTION PLAN OBSERVED DURING ANY INSPECTION CONDUCTED, OR FOR VIOLATIONS OF ANY CONDITION OF THE PERMIT. THE CONTRACTOR SHALL COMPLETE AND SUBMIT WITHIN 5 DAYS AN INCIDENCE OF NONCOMPLIANCE (ION) REPORT FOR ANY VIOLATION OF THE STORMWATER POLLUTION PLAN OBSERVED DURING ANY INSPECTION CONDUCTED, OR FOR VIOLATIONS OF ANY CONDITION OF THE PERMIT. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE IEPA AND INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE.

E. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY AS DEFINED IN PART VI.G. OF THE GENERAL PERMIT.
F. AFTER THE INITIAL CONTACT HAS BEEN MADE WITH THE APPROPRIATE IEPA FIELD OPERATIONS SECTION OFFICE, ALL REPORTS OF NONCOMPLIANCE SHALL BE MAILED TO THE IEPA AT THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND AVENUE EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

5. NON-STORMWATER DISCHARGES

EXCEPT FOR FLOWS FROM FIRE-FIGHTING ACTIVITIES, SOURCES OF NON-STORMWATER THAT MAY BE COMBINED WITH STORMWATER DISCHARGES ARE TREATED BY THE MEASURES INCLUDED IN THE PLAN. THESE SOURCES INCLUDE THE FOLLOWING:

- WATER USED TO WASH VEHICLES
- WATER USED TO CONTROL DUST
- PAVEMENT WASH WATERS WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS SPILLED MATERIALS HAVE BEEN REMOVED)
- IRRIGATION DITCHES
- UNCONTAMINATED GROUNDWATER

6. CERTIFICATIONS

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ILR10 THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION"

GENERAL CONTRACTOR

SIGNATURE

TITLE

DATE

COMPANY

SUBCONTRACTOR RESPONSIBLE FOR

SIGNATURE

TITLE

DATE

COMPANY

SUBCONTRACTOR RESPONSIBLE FOR

SIGNATURE

TITLE

DATE

COMPANY

WITNESSED BY OWNER

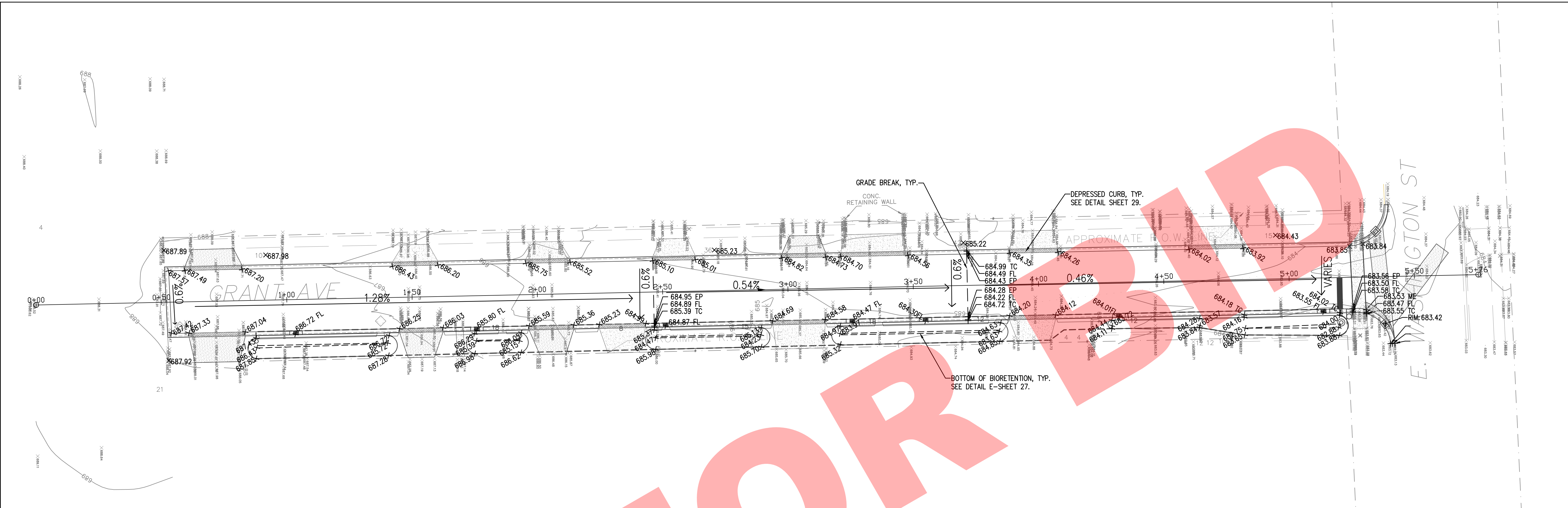
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TITLE

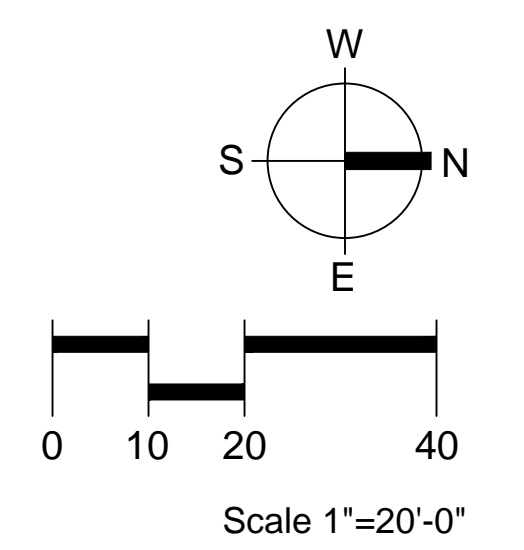
DATE

COMPANY

 <p>CONSERVATION DESIGN FORUM 403 W. ST CHARLES STREET LOMBARD, ILLINOIS 60148 630-559-2000 P / 630-559-2030 F</p>	DESIGNED - FOR BID	REVISED - XXX	<p>VILLAGE OF VILLA PARK WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS</p>	<p>EROSION CONTROL NOTES</p>	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MH	REVISED -			DUPAGE	30	23
	CHECKED - JC, TP	REVISED -					
	DATE - 07.28.2017	REVISED -					
			SHEET NO. 23 OF 30 SHEETS		ILLINOIS		

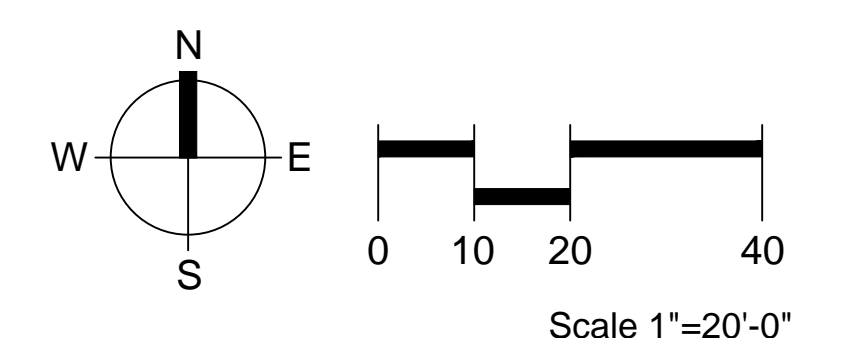
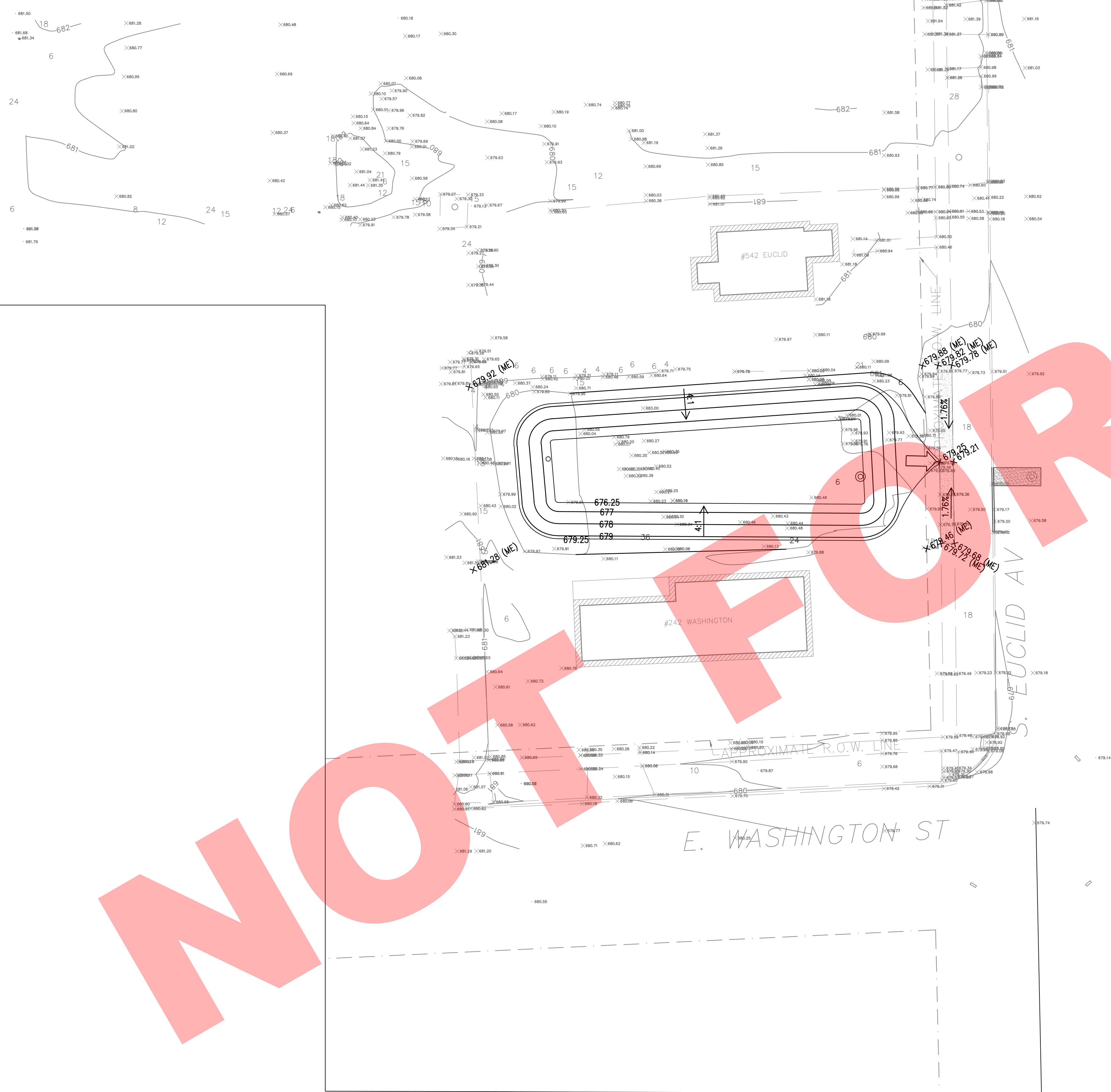



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	CONSERVATION DESIGN FORUM 403 W. ST CHARLES STREET LOMBARD, ILLINOIS 60148 630-559-2000 P / 630-559-2030 F	DESIGNED - FOR BID DRAWN - MH CHECKED - JC, TP DATE - 07.28.2017	REVISED - XXX REVISED - REVISED - REVISED -	VILLAGE OF VILLA PARK WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS	GRADING PLAN GRANT AVENUE	SCALE: 1" = 20' SHEET NO. 24 OF 30 SHEETS	COUNTY DUPAGE ILLINOIS	TOTAL SHEETS 30	SHEET NO. 24
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NOT FOR BID




CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED -	FOR BID	REVISED -	XXX
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.31.2017	REVISED -	

VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

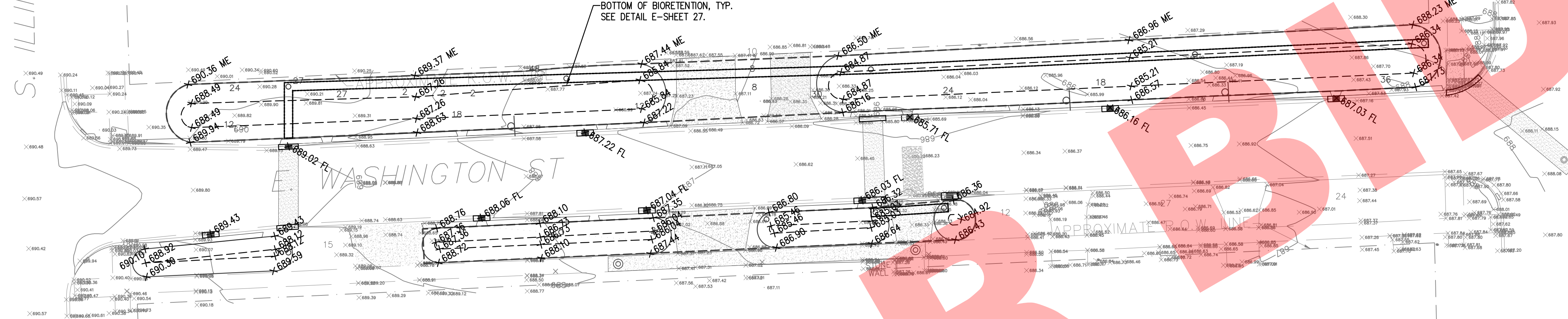
GRADING PLAN
EUCLID AVENUE SITE

SCALE: 1" = 20' SHEET NO. 25 OF 30 SHEETS

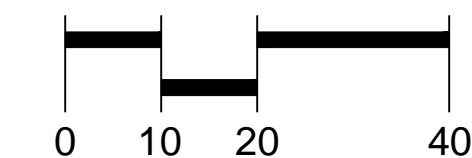
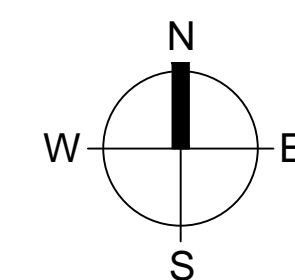
COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	25
ILLINOIS		

ILLINOIS AV

S. SUMMIT AV



NOT FOR BIDDING



Scale 1"=20'-0"


CONSERVATION DESIGN FORUM
 403 W. ST CHARLES STREET
 LOMBARD, ILLINOIS 60148
 630-559-2000 P / 630-559-2030 F

DESIGNED -	FOR BID	REVISED -	XXX
DRAWN -	MH	REVISED -	
CHECKED -	JC, TP	REVISED -	
DATE -	07.28.2017	REVISED -	

VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

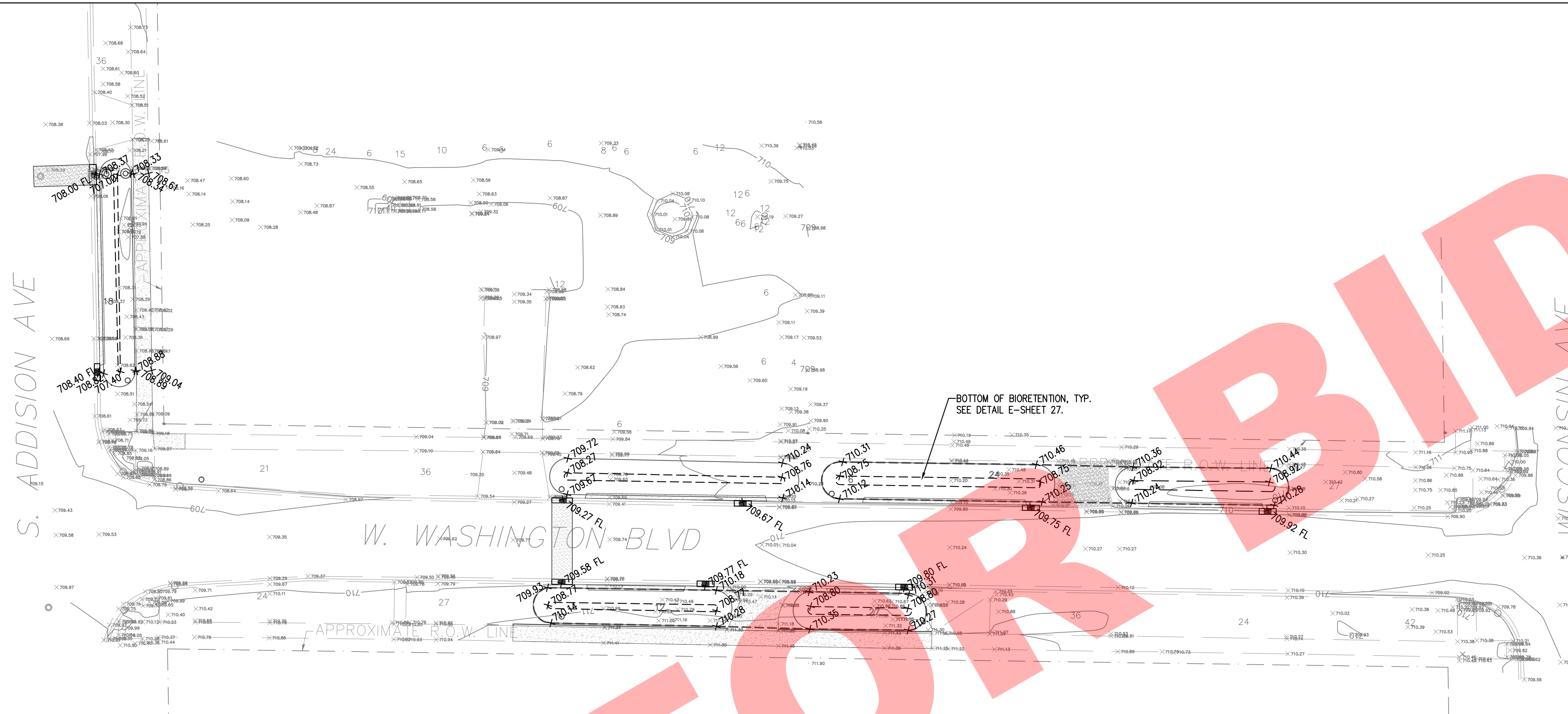
GRADING PLAN
EAST WASHINGTON STREET

SCALE: 1" = 20'

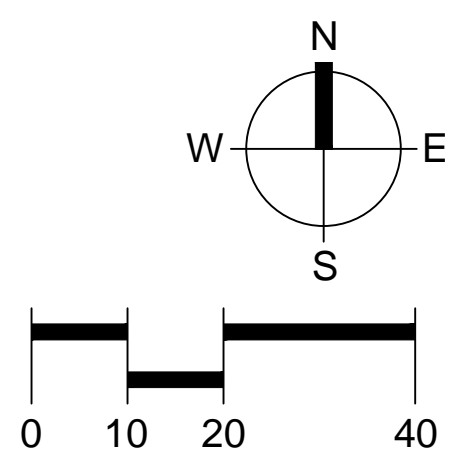
SHEET NO. 26 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	26

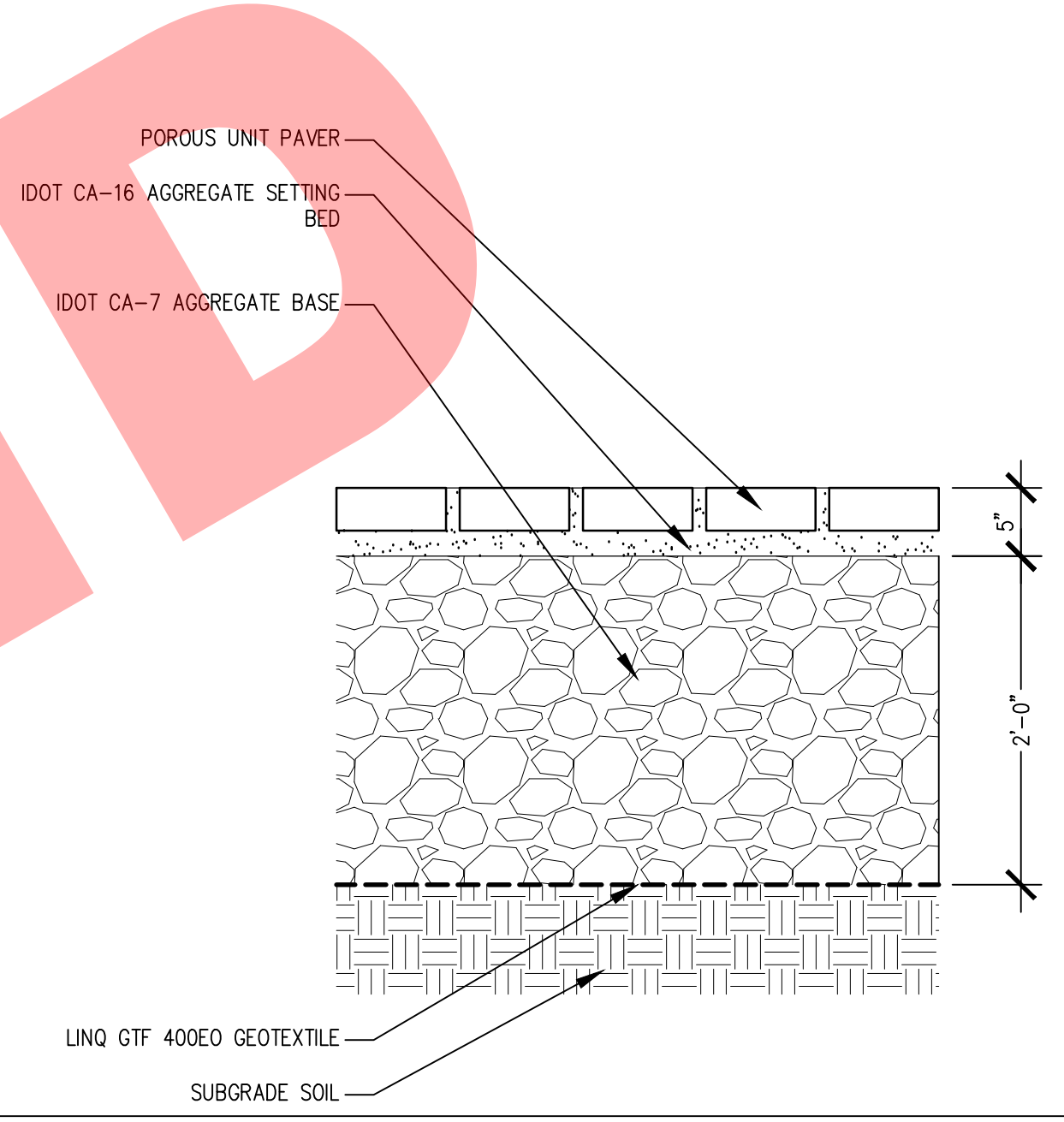
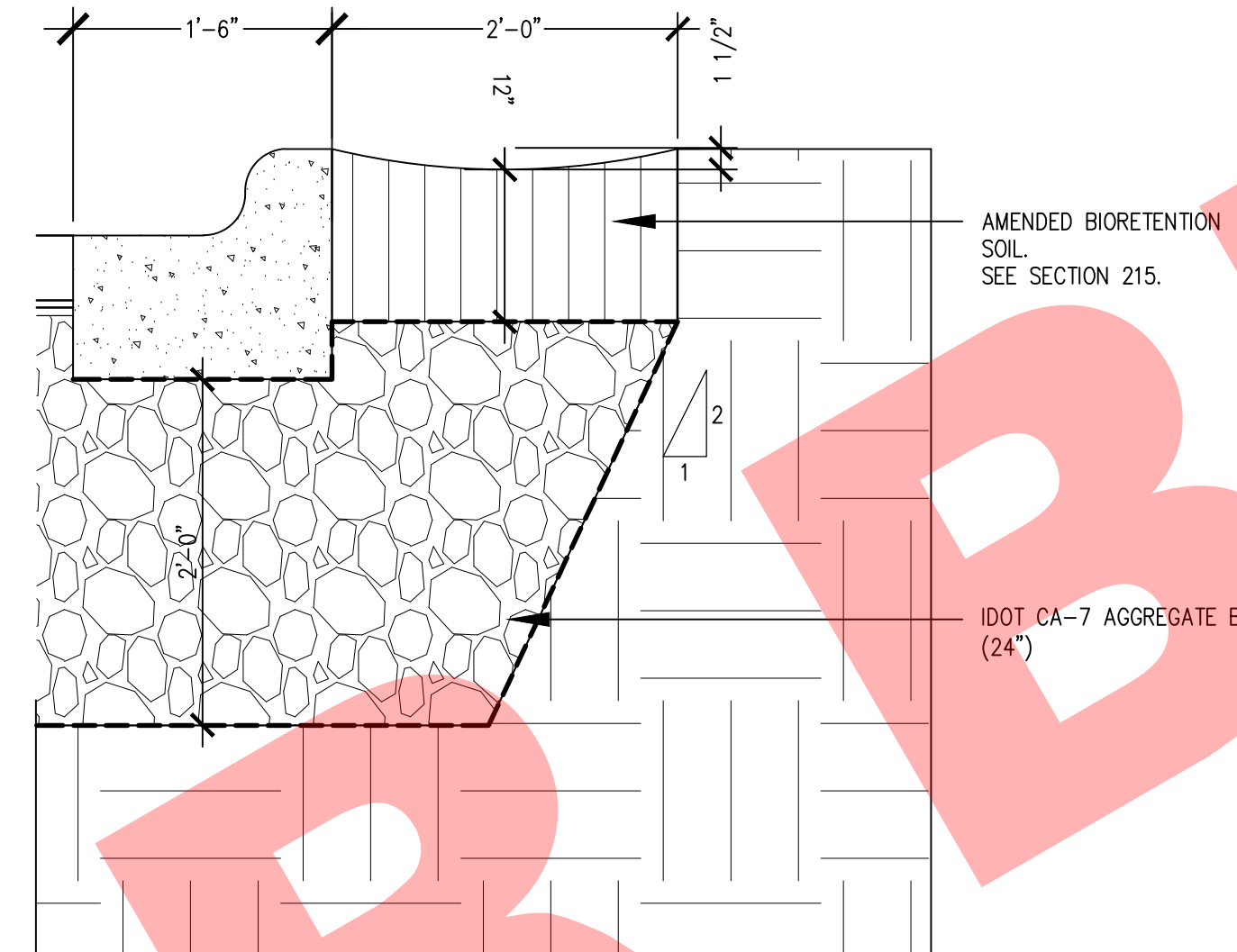
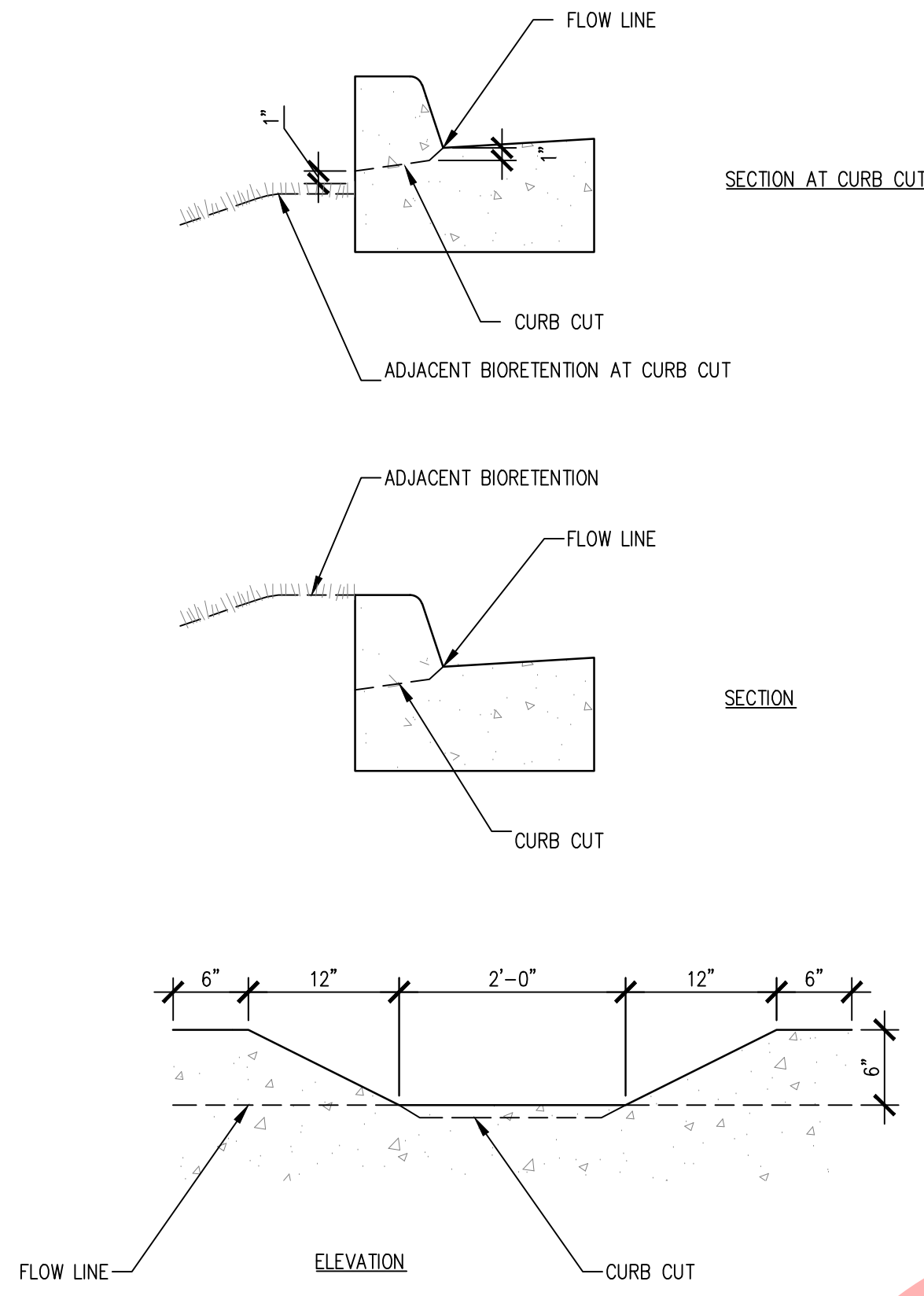
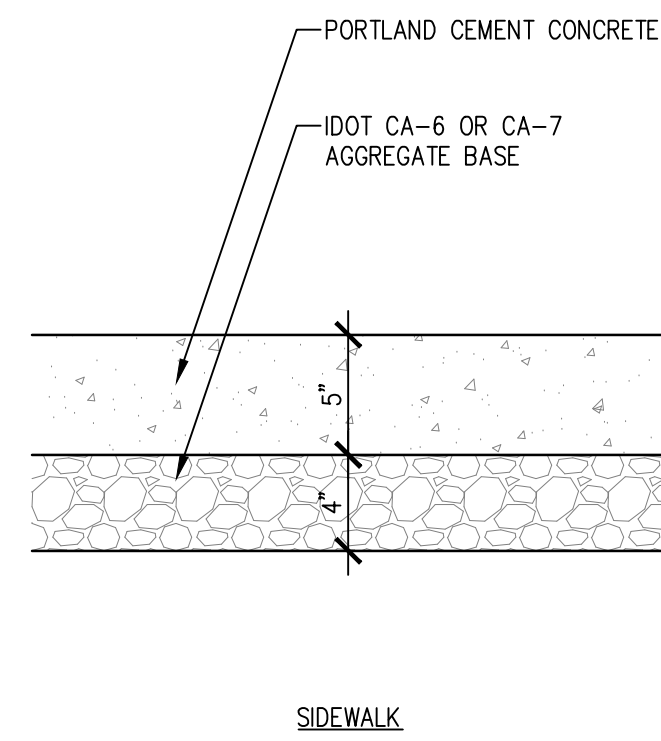
ILLINOIS



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 CONSERVATION DESIGN FORUM 403 W. ST CHARLES STREET LOMBARD, ILLINOIS 60148 630-559-2000 P / 630-559-2030 F	DESIGNED - FOR BID	REVISED - XXX	VILLAGE OF VILLA PARK WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS	GRADING PLAN		COUNTY TOTAL SHEETS SHEET NO. DUPAGE 30 27
	DRAWN - MH	REVISED -		WEST WASHINGTON STREET		
	CHECKED - JC, TP	REVISED -		SCALE: 1" = 20'	SHEET NO. 27 OF 30 SHEETS	
	DATE - 07.28.2017	REVISED -		ILLINOIS		



NOTES:
1. CONCRETE SHALL BE IDOT CLASS SL.

NOTE: ANY ADDITIONAL DISTURBED AREA SHALL BE RESTORED IN KIND AND WILL BE INCLUDED IN THE COST OF THE FILTER STRIP.

A PCC SIDEWALK PAVEMENT
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NTS

B CURB CUT
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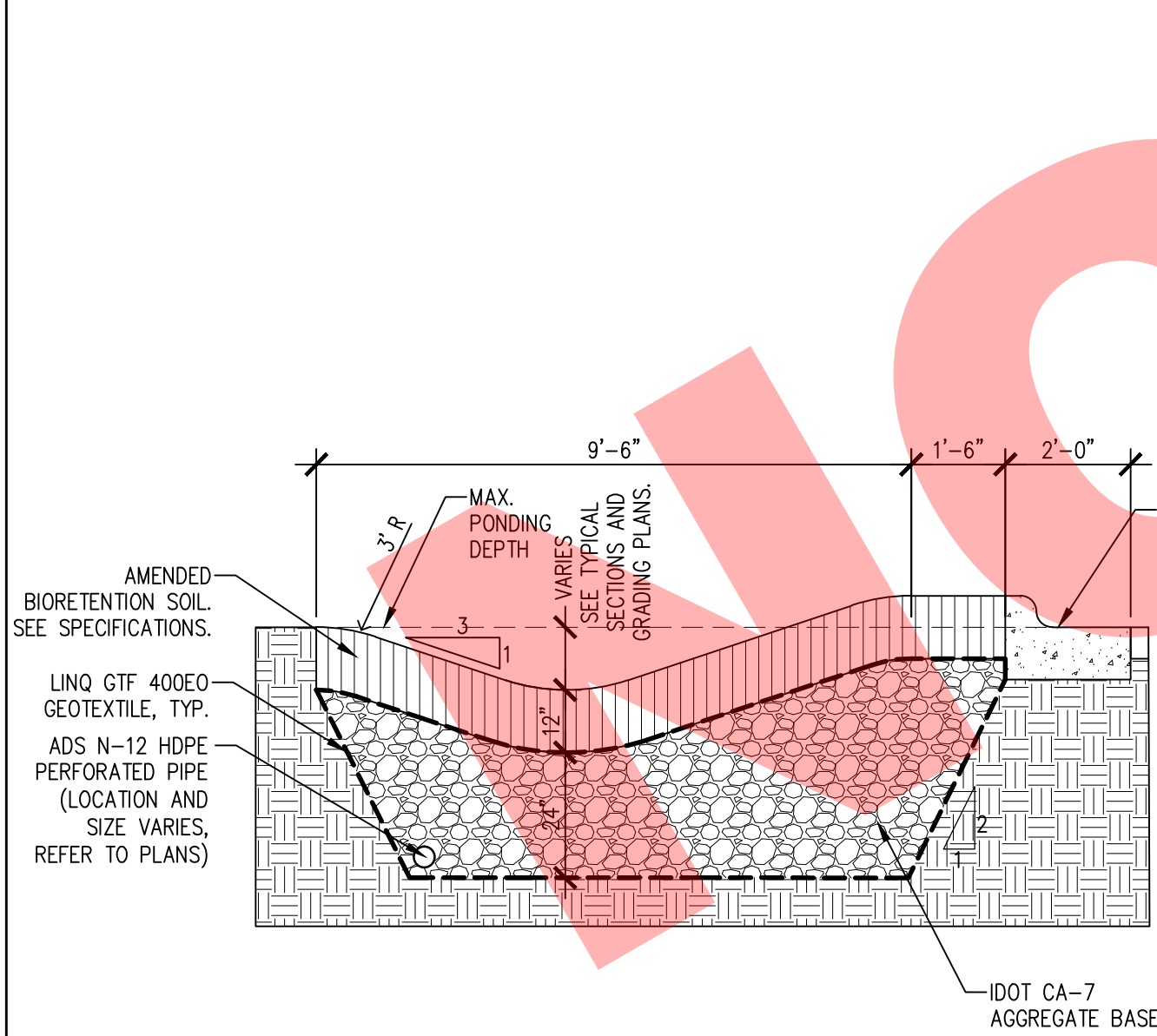
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C FILTER STRIP
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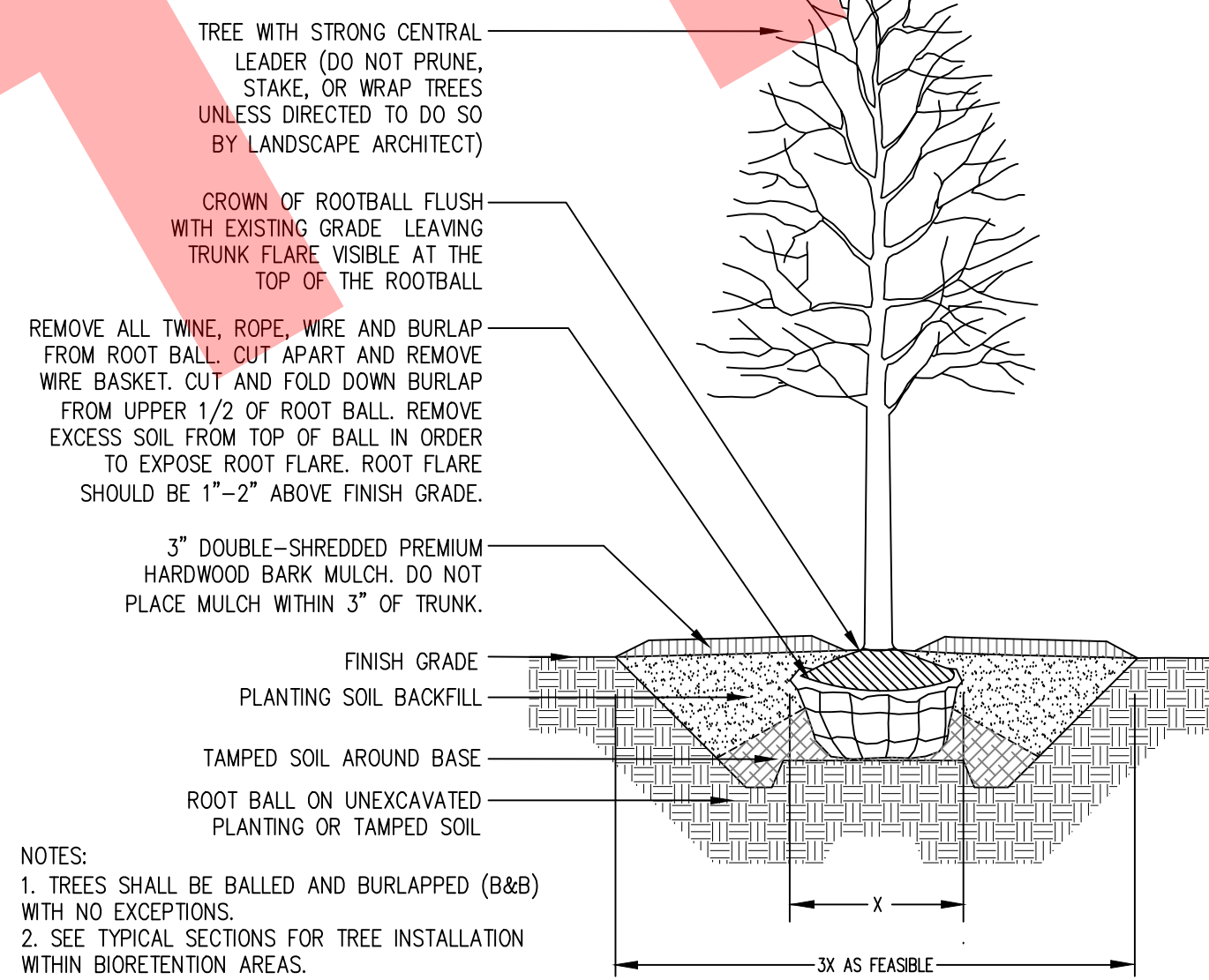
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D POROUS UNIT PAVING
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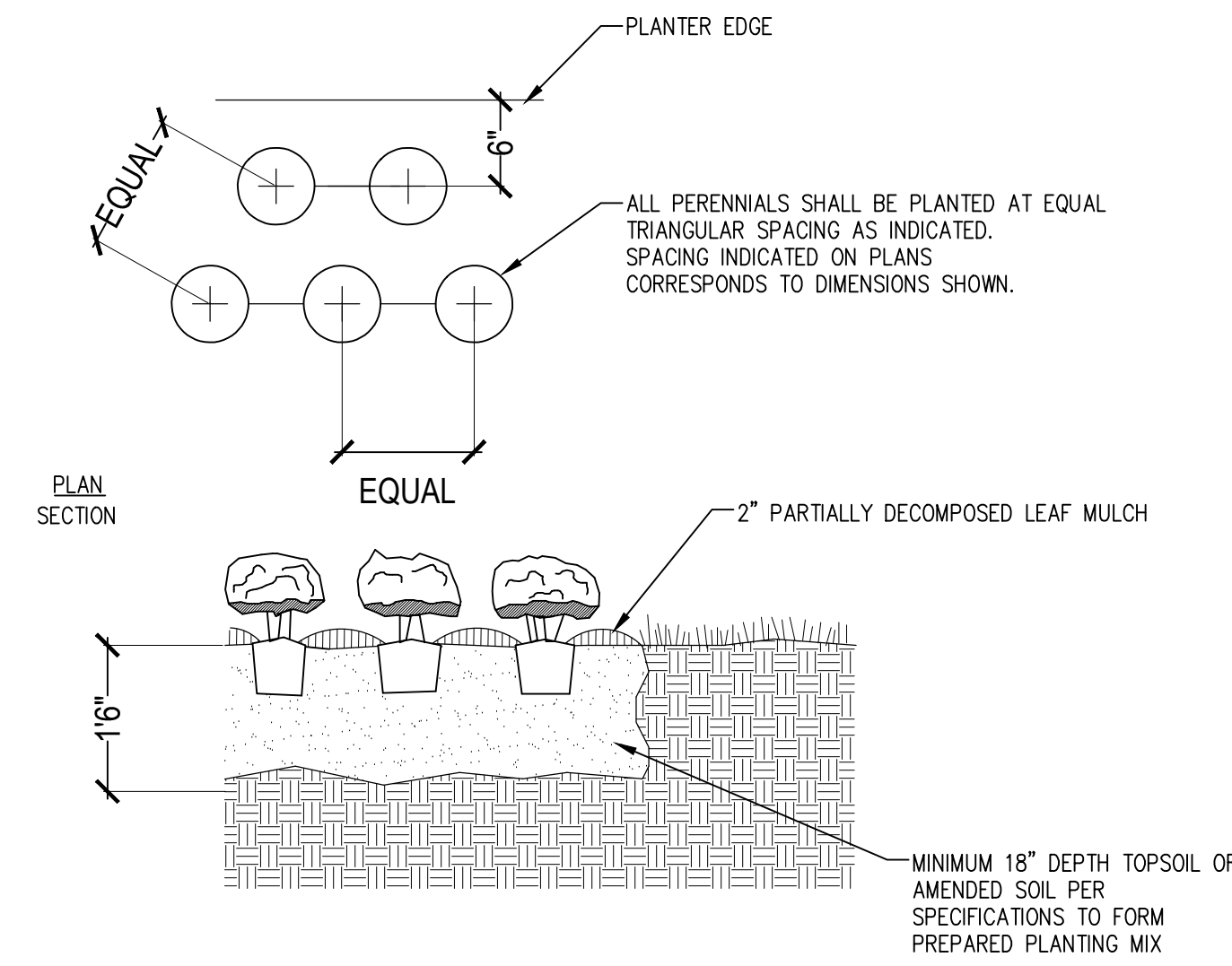
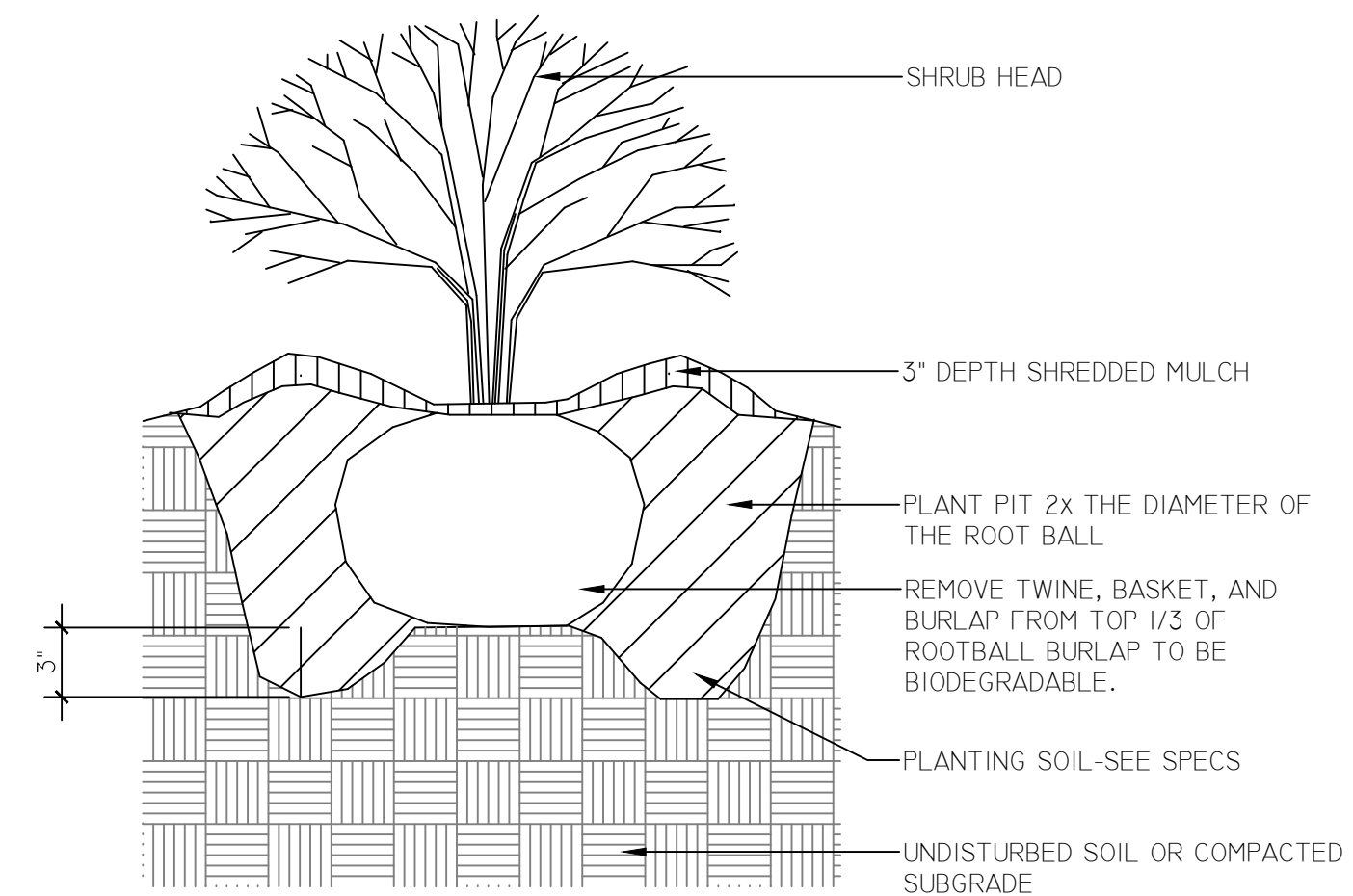
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NOTE: SEE DETAIL B, THIS SHEET, FOR BIORETENTION AT CURB CUT



NOTES:
1. TREES SHALL BE BALLED AND BURLAPPED (B&B) WITH NO EXCEPTIONS.
2. SEE TYPICAL SECTIONS FOR TREE INSTALLATION WITHIN BIORETENTION AREAS.



E BIORETENTION
© 2016 by Conservation Design Forum, Inc

NTS

F DECIDUOUS TREE PLANTING
© 2010 by Conservation Design Forum, Inc

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G SHRUB PLANTING
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H GROUNDCOVER AND PERENNIAL PLANTING
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1"=1'-0"
28-30 Details

CONSERVATION DESIGN FORUM
403 W. ST CHARLES STREET
LOMBARD, ILLINOIS 60148
630-559-2000 P / 630-559-2030 F

DESIGNED - FOR BID
DRAWN - MH
CHECKED - JC, TP
DATE - 07.28.2017

REVISED - XXX
REVISED -
REVISED -
REVISED -

VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE IMPROVEMENTS

DETAILS

SHEET NO. 28 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	28

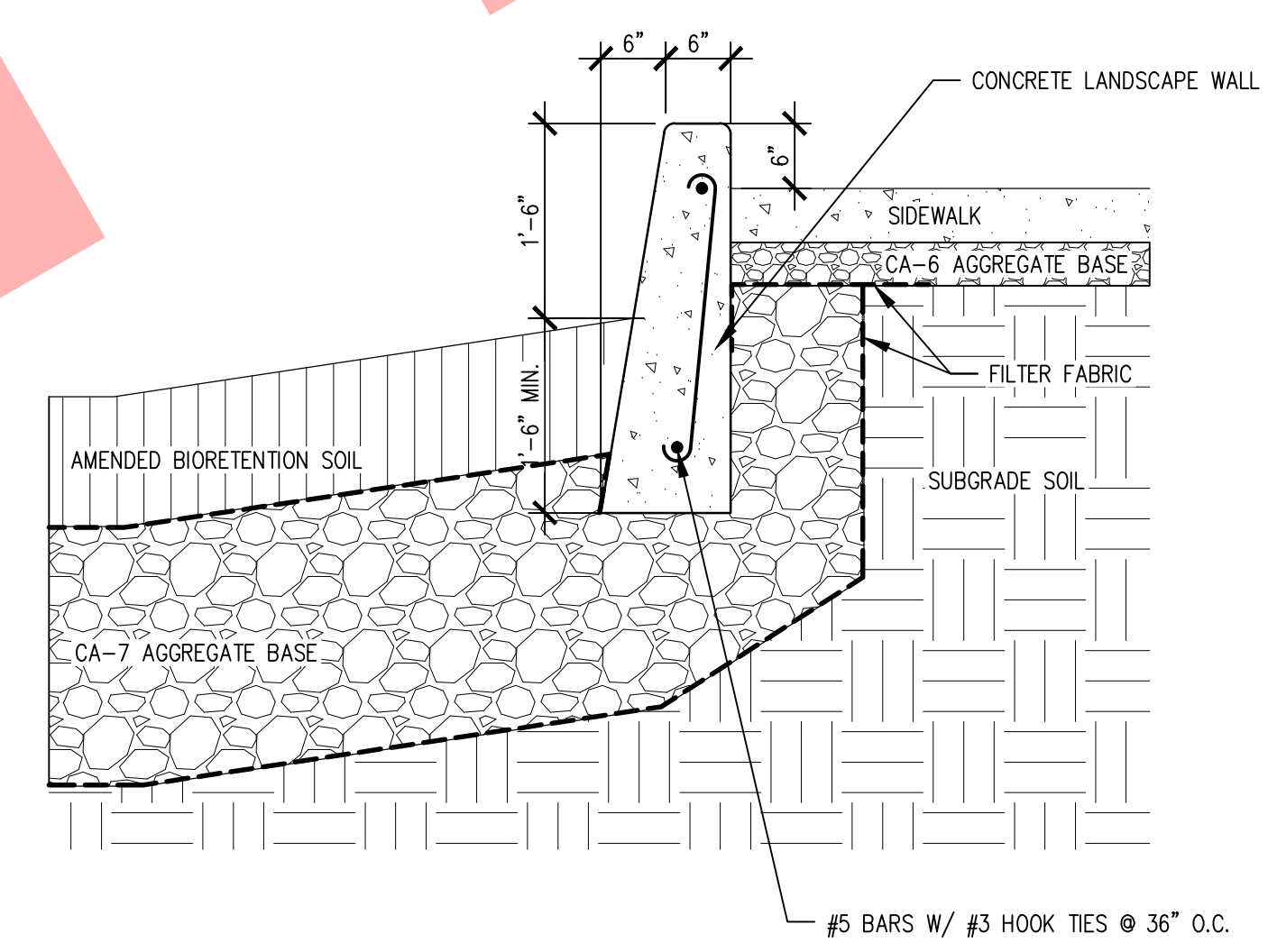
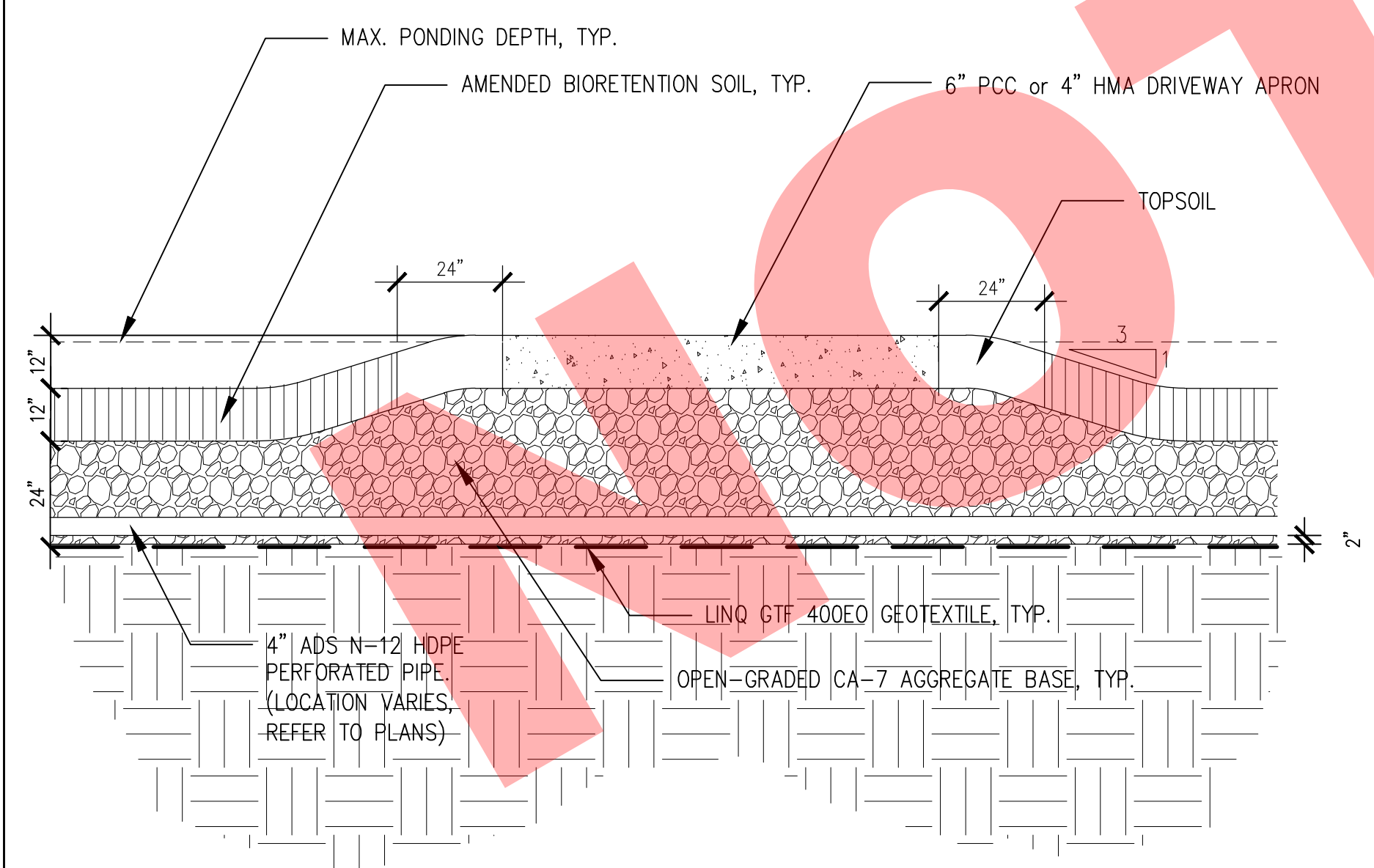
ILLINOIS

NOT FOR BID

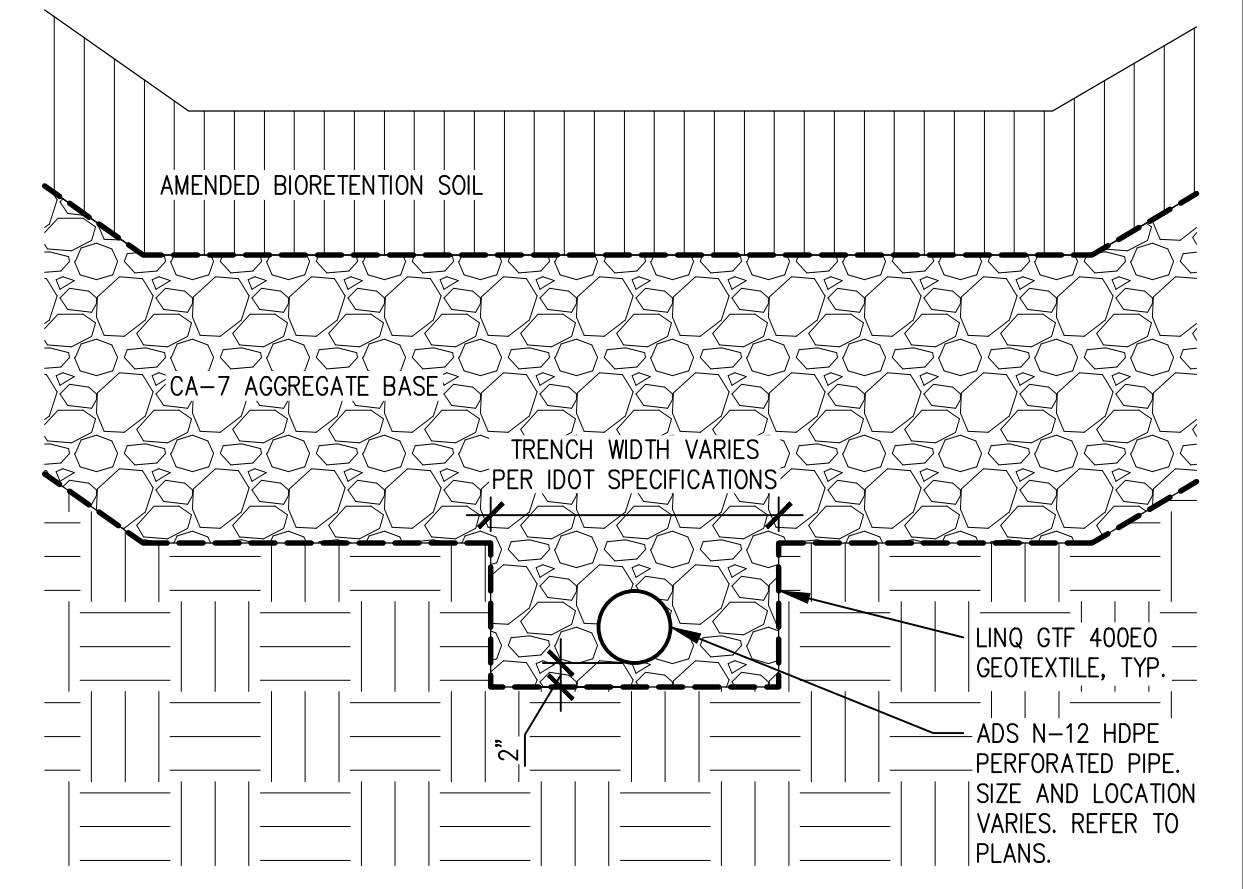
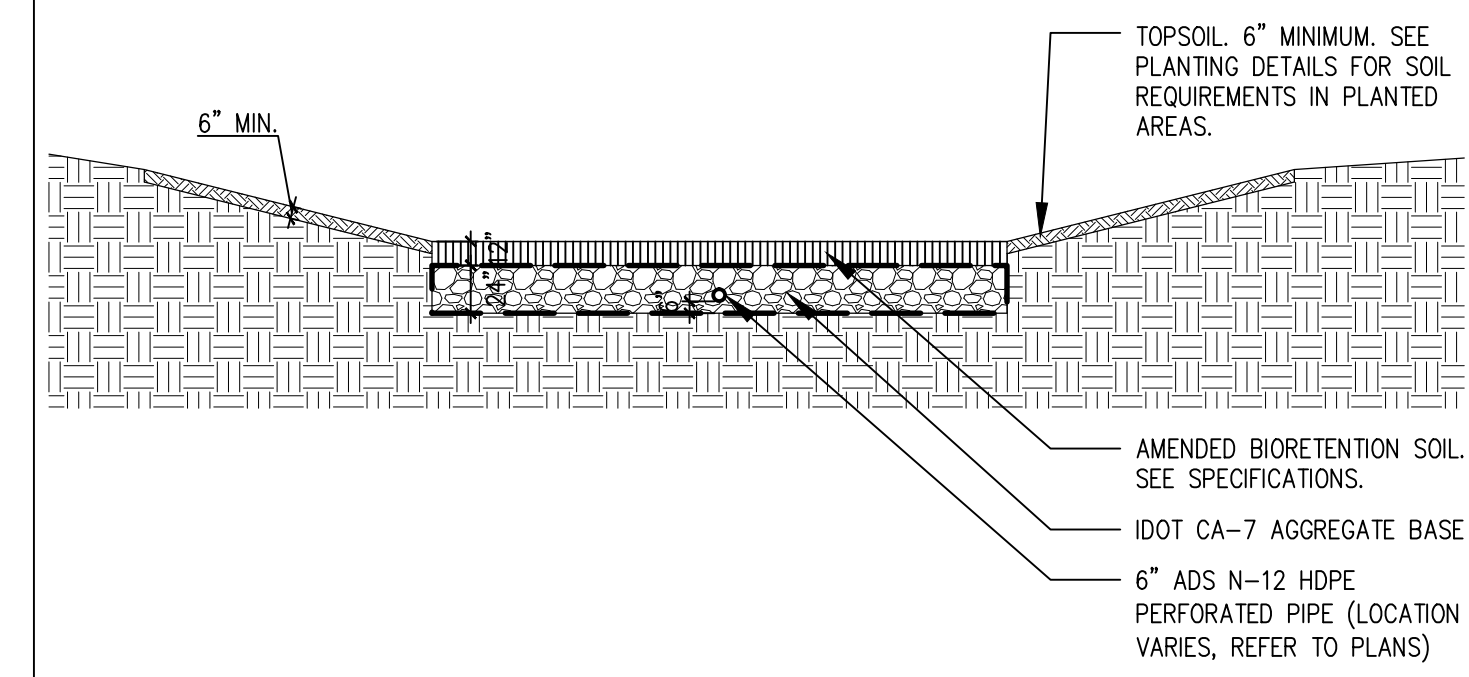
I

J

K



NOTES
1. ALL CONCRETE SHALL BE IDOT CLASS SI.



L TYPICAL GRAVEL STORAGE EXTENDED UNDER PAVEMENT NTS © 2016 by Conservation Design Forum, Inc.

M LANDSCAPE WALL NTS © 2017 by Conservation Design Forum, Inc.

N EUCLID SITE-DETENTION BASIN NTS © 2017 By Conservation Design Forum, Inc.

O TRENCH DETAIL NTS © 2017 by Conservation Design Forum, Inc.

CONSERVATION DESIGN FORUM
403 W. ST CHARLES STREET
LOMBARD, ILLINOIS 60148
630-559-2000 P / 630-559-2030 F

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CHECKED - JC, TP	REVISED -
DATE - 07.28.2017	REVISED -

VILLAGE OF VILLA PARK
WASHINGTON STREET GREEN INFRASTRUCTURE
IMPROVEMENTS

DETAILS
SHEET NO. 29 OF 30 SHEETS

COUNTY	TOTAL SHEETS	SHEET NO.
DUPAGE	30	29

ILLINOIS

