

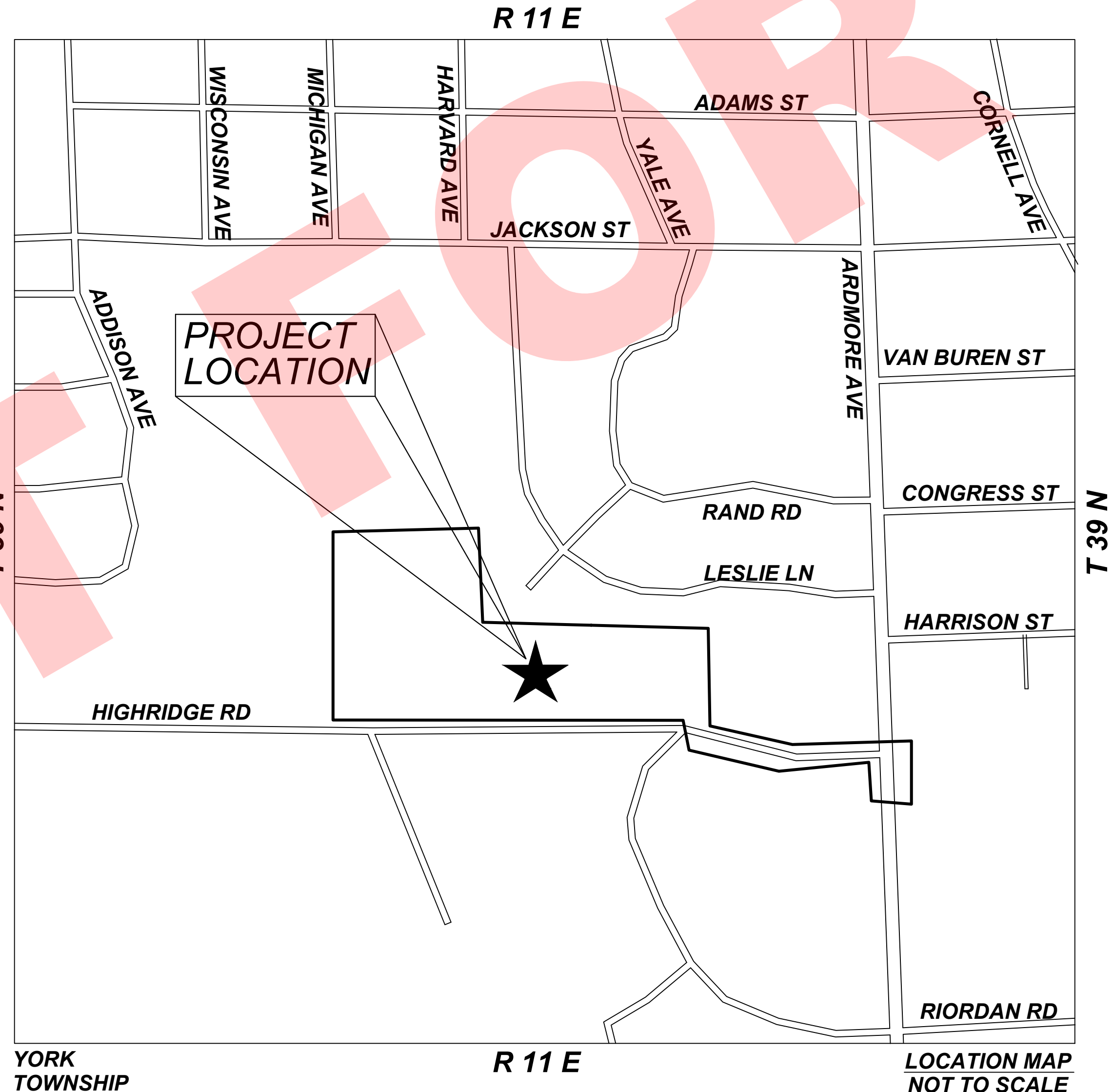
FINAL ENGINEERING PLANS

FOR

JACKSON POND OVERFLOW PROJECT

FOR INDEX OF SHEETS, SEE SHEET 1

VILLA PARK, DUPAGE COUNTY, ILLINOIS



BENCHMARKS	
SOURCE:	
BENCHMARKS ESTABLISHED & HELD VIA TRIMBLE VRS HARN NETWORK.	
PROJECT ORIGIN AT:	
LATITUDE: 41-52-18.08144 N	
LONGITUDE: 87-59-06.34961 W	
ELLIPSOID HEIGHT: 610.674	
GROUND SCALE FACTOR 1.0000438605	
VERTICAL DATUM IS NAVD88.	
SITE:	
STATION DESIGNATION: SBM#1	
ESTABLISHED BY: V3 COMPANIES	
DATE: 11-18-16	
ELEVATION: 706.08 (PUBLISHED AND MEASURED)	
DATUM: NAVD88	
DESCRIPTION: ENE BOLT ON FIRE HYDRANT AT NORTHEAST CORNER OF W. MADISON STREET AND S. MICHIGAN AVENUE INTERSECTION.	
STATION DESIGNATION: SBM#2	
ESTABLISHED BY: V3 COMPANIES	
DATE: 11-18-16	
ELEVATION: 705.44 (MEASURED)	
DATUM: NAVD88	
DESCRIPTION: WNW BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF S. MICHIGAN AVENUE AND W. JACKSON STREET INTERSECTION.	


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JULIE

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Call 48 hours before you dig

Joint Utility Locating Information for Excavators


 CHRISTOPHER W. HANCHETT, P.E.
 #062-063179
 EXP. DATE: 11/30/2019



GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", THE "MANUAL OF TEST PROCEDURES FOR MATERIALS" AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS REPRESENTS ONLY THE OPINION OF THE ENGINEER AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER AND THE ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY PUBLIC WORKS AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS, JACKSON MIDDLE SCHOOL, WILLOWBROOK HIGH SCHOOL, THE ISLAMIC FOUNDATION AND THE VILLAGE WHEN ACCESS TO DRIVEWAYS WILL BE TEMPORARILY CLOSED. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS AT LEAST 48 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS PP CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. HMA MATERIALS WILL NOT BE ALLOWED AS BACKFILL AROUND AN ADJUSTED CASTING. THIS WORK SHALL APPLY TO ALL CASTINGS ADJUSTED, RECONSTRUCTED OR NEWLY INSTALLED AS PART OF THIS CONTRACT, WHETHER PAID FOR SEPARATELY OR INCLUDED IN OTHER CONTRACT WORK.
- THE DAYS PAVING OPERATION SHOULD RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.
- STORM STRUCTURE OFFSET LOCATIONS ARE TO THE EDGE OF PAVEMENT IF THE STRUCTURE IS IN THE CURB LINE OR TO THE CENTER OF STRUCTURE IF THE STRUCTURE IS NOT IN THE CURBLINE.
- FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES SHALL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF COST OF THE STRUCTURE.
- EXISTING GROUND CONTOURS AND ELEVATIONS WERE DETERMINED FROM AVAILABLE PLANS AND FIELD SURVEYS. AS DIRECTED BY THE ENGINEER, PROPOSED GROUND ELEVATIONS MAY BE REVISED TO MEET FIELD CONDITIONS.
- ALL SIGNS THAT HAVE TO BE TEMPORARILY REMOVED AS PART OF THE CONSTRUCTION PROCESS OR RELOCATED DUE TO INSUFFICIENT OFFSET TO PROPOSED CURB ARE TO BE REINSTALLED AT THE SAME STATION.

MAINTENANCE OF TRAFFIC NOTES

- TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE MAINTENANCE OF TRAFFIC NOTES AND PROTECTION SECTION 701 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ADEQUATE SIGNS, TRAFFIC CONTROL DEVICES AND WARNING DEVICES TO INFORM AND PROTECT THE PUBLIC DURING ALL PHASES OF CONSTRUCTION. BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE IDOT STANDARD SPECIFICATIONS. ALL TRAFFIC CONTROL WORK SHALL BE DONE IN ACCORDANCE WITH IDOT "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES."
- ALL SIGNS SHALL BE IN ACCORDANCE WITH IDOT STANDARD SPECIFICATIONS, LATEST EDITION, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
- LANE CLOSURES SHALL BE PERMITTED ONLY AT TIMES INDICATED IN THE SPECIAL PROVISIONS.
- DISTRICT 1 DETAIL TC-22 FOR TEMPORARY INFORMATION SIGNING SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)"
- THE COST OF SUPPLYING, ERECTING, AND MAINTAINING TRAFFIC CONTROL DEVICES, LIGHTS, AND SIGNS SHALL BE INCLUDED IN THE CONTRACT PRICE FOR "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
- EXISTING SIGN PANELS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS TO BE TEMPORARILY RELOCATED ON FRAME AND SKIDS WHICH SHALL BE INCLUDED IN THE COST OF "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".
- THE CONTRACTOR SHALL REMOVE ALL CONFLICTING PAVEMENT MARKINGS PRIOR TO SETUP OF MAINTENANCE OF TRAFFIC STAGING. REMOVAL OF EXISTING PAVEMENT MARKINGS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)
- ALL TRAFFIC CONTROL DEVICES SHALL BE MAINTAINED THROUGH THE COMPLETION OF THE CONTRACT.
- WORK ZONE SIGNING SHALL BE DONE IN ACCORDANCE WITH IDOT STANDARD 701701, IDOT DISTRICT 1 STANDARD TC-14, TC-22 AND AS SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AT ALL TIMES DURING CONSTRUCTION OPERATIONS.
- THE TIME BETWEEN THE RELOCATION OF SIGNAGE BETWEEN STAGES SHALL NOT EXCEED 45 MINUTES.

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LEGEND

EXISTING	PROPOSED	DESCRIPTION	ABBREVIATIONS
		RIGHT-OF-WAY LINE	A ARC LENGTH
		PROPERTY LINE (EXTERIOR)	B-B BACK TO BACK OF CURB
		LOT LINE (INTERIOR)	B/C BACK OF CURB
		EASEMENT LINE	BLDG BUILDING
		FENCE LINE	BM BENCHMARK
		CENTERLINE	B/P BOTTOM OF PIPE
		PROPERTY CORNER	BV/VV BUTTERFLY VALVE IN VALVE VAULT
		CONTOUR	C & G CURB AND GUTTER
		CURB & GUTTER	CB CATCH BASIN
		DEPRESSED CURB & GUTTER	CL CENTERLINE
		REVERSE PITCHED CURB	CL CLOSED LID
		SPOT ELEVATION	CO CLEAN OUT
		TOP OF CURB ELEVATION	DIP DUCTILE IRON PIPE
		EDGE OF PAVEMENT ELEVATION	DIA DIAMETER
		UTILITY STUB	DIWM DUCTILE IRON WATER MAIN
		SANITARY SEWER	DWG DRAWING
		SANITARY FORCE MAIN	E EAST OR ELECTRIC OR EDGE
		STORM SEWER	EJ EXPANSION JOINT
		WATER MAIN	ELEV ELEVATION
		GAS MAIN	E/P EDGE OF PAVEMENT
		UNDERGROUND TELEPHONE & ELECTRIC DUCT BANK	EX EXISTING
		BURIED CABLE-ELECTRIC	F & CL FRAME & CLOSED LID
		BURIED CABLE-TELEPHONE	F & G FRAME & GRATE
		ATLAS LOCATED UTILITY	F & OL FRAME & OPEN LID
		UTILITY STRUCTURE WITH CLOSED LID	FES FLARED END SECTION
		CURB INLET	F-F FACE TO FACE OF CURB
		DRAINAGE STRUCTURE WITH OPEN LID	FF FINISHED FLOOR
		FIRE HYDRANT	F/G FINISHED GRADE
		VALVE IN VALVE BOX	FH FIRE HYDRANT
		GATE VALVE IN VALVE VAULT	FL FLOW LINE
		POST INDICATOR VALVE	G GAS LINE
		THRUST BLOCK	GV/VB GATE VALVE IN VALVE BOX
		TREE	GV/VV GATE VALVE IN VALVE VAULT
		TREE LINE	HDCP HANDICAP
		CONCRETE HEADWALL	HDPE HIGH DENSITY POLYETHYLENE PIPE
		SUBMERGED HEADWALL	HDW HEADWALL
		FLARED END SECTION (F.E.S.)	HOR HORIZONTAL
		GUY WIRES	HP HIGH POINT
		FLOOD LIGHT	HWL HIGH WATER LEVEL
		UTILITY POLE	IE INVERT ELEVATION
		LIGHT STANDARD	IN INLET
		TRAFFIC SIGNAL POLE	LF LINEAL FEET
		HAND HOLE	LP LOW POINT OR LIGHT POLE
		SOIL BORING	L LEFT
		IRRIGATION HEADS	ME MATCH EXISTING
		SIGN	MH MANHOLE
		TELEPHONE MANHOLE	MW MONITORING WELL
		MONITORING WELL	N NORTH
		TELEPHONE PEDESTAL	NIC NOT IN CONTRACT / NOT INCLUDED
		TRANSFORMER PAD	NWL NORMAL WATER LEVEL
		UTILITY TO BE ABANDONED	OC ON CENTER
		FEATURE TO BE REMOVED	OL OPEN LID
		STORMWATER FLOW DIRECTION	PC POINT OF CURVATURE
		STORMWATER OVERFLOW ROUTE	PCC PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
		DITCH CHECK	PGL PROFILE GRADE LINE
		INLET FILTER BASKET	PI POINT OF INTERSECTION
		RIP RAP	PL PROPERTY LINE
		BOLLARD	PP POWER POLE
		SILT FENCE	PRC POINT OF REVERSE CURVATURE
		WATER MAIN PROTECTION	PT POINT OF TANGENCY
		TRENCH BACKFILL	PUE PUBLIC UTILITY EASEMENT
		UTILITY CROSSING LABEL	PVC POINT OF VERTICAL CURVATURE OR POLYVINYL CHLORIDE PIPE
		GUARDRAIL	PVI POINT OF VERTICAL INTERSECTION
		RAILROAD TRACKS	PVT POINT OF VERTICAL TANGENCY
		RETAINING WALL	R RADIUS OR RIGHT
		REVISION DELINEATION	RCP REINFORCED CONCRETE PIPE
		CONSTRUCTION LIMIT LINE	ROW RIGHT OF WAY
		TREE PROTECTION FENCE	S SLOPE OR SOUTH
			SAN SANITARY
			SF SILTATION FENCE
			SFM SANITARY FORCE MAIN
			SHT SHEET
			SHW SUBMERGED HEADWALL
			SMH SANITARY MANHOLE
			STA STATION
			ST STORM STRUCTURE OR STORM SEWER
			STMH STORM MANHOLE
			T TANGENT LENGTH OR TELEPHONE
			T/C TOP OF CURB
			T/P TOP OF PIPE
			T/W TOP OF WALL
			TY TYPE
			TYP TYPICAL
			UP UTILITY POLE
			VC VERTICAL CURVE
			VERT VERTICAL
			VCP VITRIFIED CLAY PIPE
			W WEST
			WM WATER MAIN

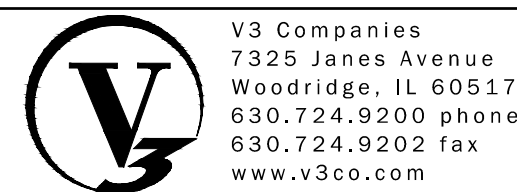
ABBREVIATIONS

IDOT HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS AND SIDEWALKS
604001-04	FRAME AND LIDS TYPE 1
604036-03	GRATE TYPE 8
604051-04	FRAME AND GRATE TYPE 11V
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES

IDOT DISTRICT 1 STANDARDS

TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-14	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
TC-22	TEMPORARY INFORMATION SIGNING



V3 Companies
7325 James Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
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DESIGNED -- CWH	REVISED ---
DRAWN -- LEH	REVISED ---
CHECKED -- DLM	REVISED ---
DATE -- 04-27-18	REVISED --

JACKSON POND OVERFLOW PROJECT

GENERAL NOTES, LEGEND, AND ABBREVIATIONS

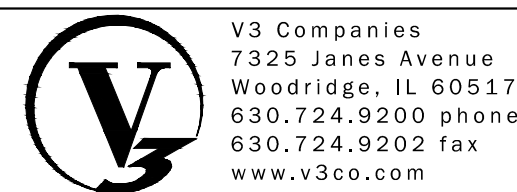
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	1	1
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

ITEM NO.	IDOT REF. NO.	ITEM	UNIT	QUANTITY
1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	196
2	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	918
3	20101000	TEMPORARY FENCE	FOOT	546
4	20200100	EARTH EXCAVATION	CU YD	36580
5	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	3212
6	20700220	POROUS GRANULAR EMBANKMENT	CU YD	45
7	20800150	TRENCH BACKFILL	CU YD	511
8	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	5130
9	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	24660
10	25000100	SEEDING, CLASS 1	AC	7
11	25100630	EROSION CONTROL BLANKET	SQ YD	15904
12	28000400	PERIMETER EROSION BARRIER	FOOT	2284
13	28000510	INLET FILTERS	EACH	11
14	28100107	STONE RIPRAP, CLASS A4	SQ YD	71
15	28200200	FILTER FABRIC	SQ YD	71
16	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	25
17	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	1507
18	35300200	PORTLAND CEMENT CONCRETE BASE COURSE 7"	SQ YD	100
19	35300700	PORTLAND CEMENT CONCRETE BASE COURSE 12"	SQ YD	105
20	40300290	BITUMINOUS MATERIALS (TACK COAT)	POUNDS	582
21	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	48
22	42000300	PORTLAND CEMENT CONCRETE PAVEMENT, 8"	SQ YD	25
23	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5"	SQ FT	4137
24	42400800	DETECTABLE WARNINGS	SQ FT	21
25	44000600	SIDEWALK REMOVAL	SQ FT	3930
26	48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	287
27	50104400	CONCRETE HEADWALL REMOVAL	EACH	2
28	50105220	PIPE CULVERT REMOVAL	FOOT	32
29	50200100	STRUCTURE EXCAVATION	CU YD	127
30	50300225	CONCRETE STRUCTURES	CU YD	26
31	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3880
32	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTION 12"	EACH	1
33	54213675	PRECAST REINFORCED CONCRETE FLARED END SECTION 30"	EACH	1
34	56100600	WATER MAIN 6"	FOOT	20
35	56106300	ADJUSTING WATER MAIN 6"	FOOT	58

ITEM NO.	IDOT REF. NO.	ITEM	UNIT	QUANTITY
36	56109418	DUCTILE IRON WATER MAIN FITTINGS 6" 45.00 DEGREE BEND	EACH	4
37	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1
38	60108106	PIPE UNDERDRAINS, TYPE 1, 6"	FOOT	566
39	60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
40	60204825	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	1
41	60207915	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	EACH	1
42	60221100	MANHOLES, TYPE A, 5' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7
43	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	5
44	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	139
45	66400105	CHAIN LINK FENCE, HEIGHT 4'	FOOT	390
46	66400305	CHAIN LINK FENCE, HEIGHT 6'	FOOT	615
47	66400505	CHAIN LINK FENCE, HEIGHT 8'	FOOT	270
48	66404700	CHAIN LINK GATES, 8' X 4' SINGLE	EACH	2
49	66407500	CHAIN LINK GATES, 4' X 10' DOUBLE	EACH	4
50	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	3212
51	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20
52	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	10
53	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	36
54	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	15
55	80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
56	81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA.	FOOT	245
57	81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	40
58	81603035	UNIT DUCT, 600V, 2-1C NO.6, 1/C NO.6 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	40
59	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	12
60	84200500	REMOVAL OF PEDESTRIAN LIGHT FIXTURE, SALVAGE	EACH	2
61	84200600	REMOVAL OF LIGHTING UNIT, SALVAGE	EACH	3
62	84200804	REMOVAL OF POLE FOUNDATION	EACH	3
63	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2400
64	550A0340	STORM SEWER, CLASS A, TYPE 2 12"	FOOT	59
65	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	25
66	550A0430	STORM SEWER, CLASS A, TYPE 2 30"	FOOT	848
67	550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	86
68	K1001988	IRRIGATION SYSTEM SPECIAL	L SUM	1
69	X0320067	BENCH REMOVAL	EACH	3
70	X0321158	PLAYERS BENCH	EACH	2

ITEM NO.	IDOT REF. NO.	ITEM	UNIT	QUANTITY
71	X0322508	PEDESTRIAN TRUSS SUPERSTRUCTURE	SQ FT	141
72	X0323868	DRAINAGE RESTRICTOR	EACH	1
73	X0327172	REMOVE AND REPLACE SIGN AND SUPPORTS	EACH	1
74	X1200001	DRAINAGE WEIR	EACH	1
75	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	20
76	X5504130	STORM SEWERS, DUCTILE IRON PIPE 30"	FOOT	38
77	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
78	XX003668	PRECONSTRUCTION VIDEO RECORDING	L SUM	1
79	Z0013300	CONCRETE REMOVAL (SPECIAL)	SQ YD	104
80	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	45
81	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
82	Z0022800	FENCE REMOVAL	FOOT	699
83		4' BY 4' BOX STRUCTURE	EACH	1
84		BASEBALL INFIELD MIX	SQ YD	1319
85		BASES	LSUM	1
86		BLEACHERS	EACH	1
87		BOX PACKING CLAY	SQ YD	11
88		COMED PRIMARY SPLICE BOX (INSTALL ONLY)	EACH	2
89		CULVERT INLET PROTECTION	EACH	1
90		DUGOUT REMOVAL	EACH	2
91		ELECTRICAL CABINET, COMPLETE	EACH	1
92		GRASS PAVERS	SQ FT	420
93		GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	1
94		GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	1
95		LIMESTONE SCREENINGS	SQ YD	1292
96		NETTING	L SUM	1
97		PEDESTRIAN LIGHT UNIT, COMPLETE	EACH	2
98		PEDESTRIAN LIGHT UNIT, FIXTURE ONLY	EACH	2
99		PLASTIC FLARED END SECTION	EACH	4
100		PLAYING FIELD SEEDING	SQ YD	9893
101		PLAYING FIELD SODDING	SQ YD	887
102		RAILING	FOOT	116
103		REMOVE AND RELOCATE BENCH	EACH	1
104		TRANSFORMER PAD	EACH	1
105		UNDERGROUND COMED PRIMARY CONDUIT, 4"	FOOT	1150
106		CONTINGENCY ALLOWANCE	DOLLAR	50000
107		WATER USAGE CREDIT	TGAL	1
108		WATER USAGE DEDUCTION	TGAL	1

NOTE: A SPECIAL PROVISION IS PROVIDED FOR ALL ITEMS MARKED WITH AN ASTERISK (*)



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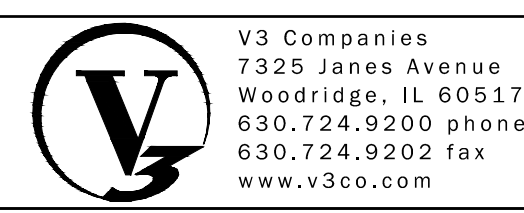
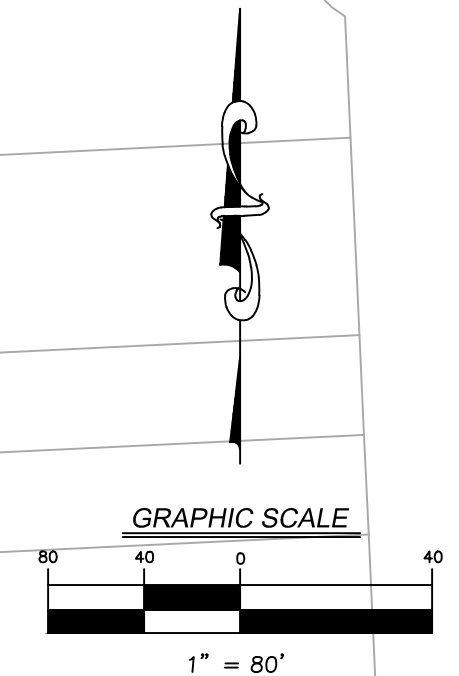
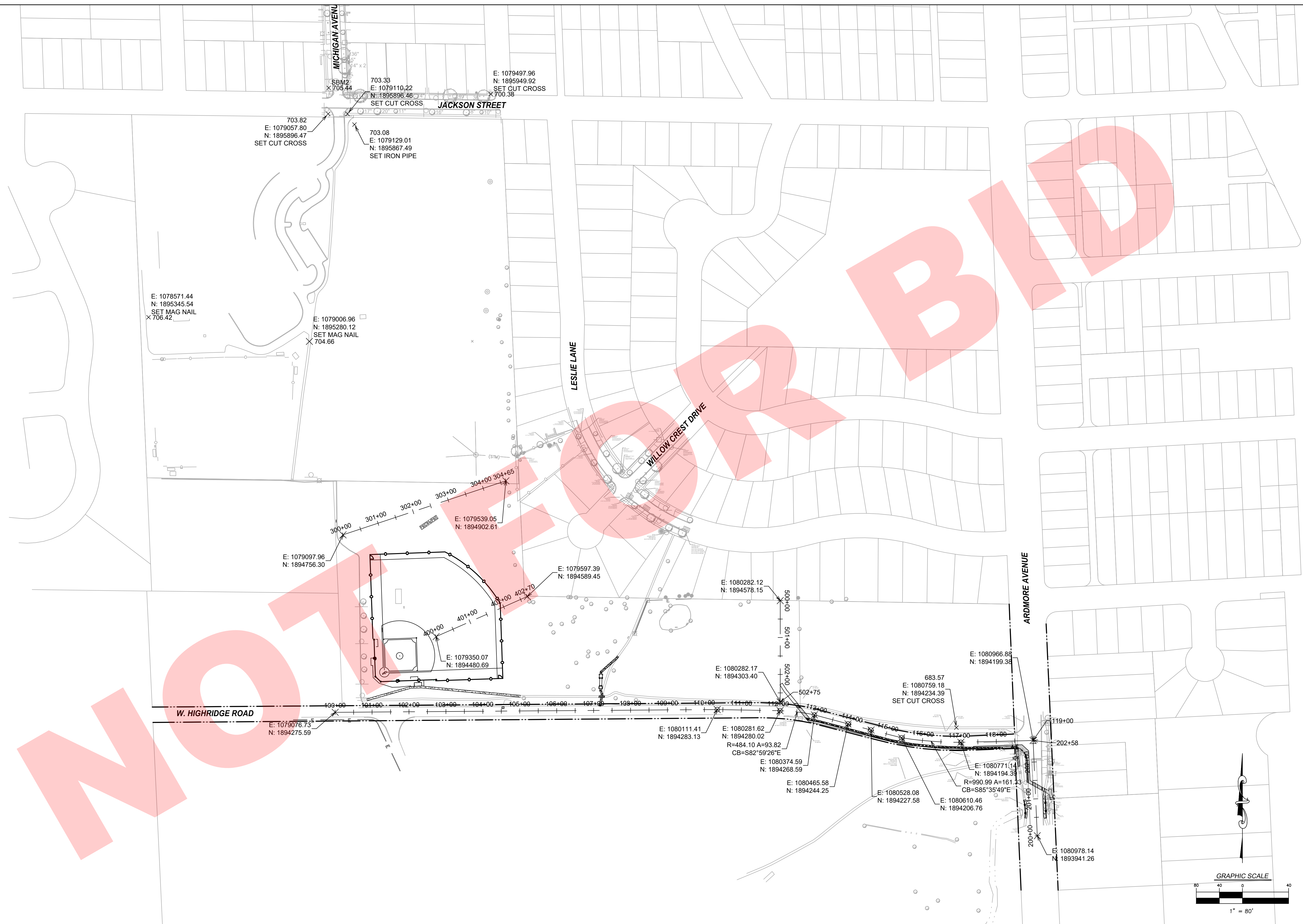
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JACKSON POND OVERFLOW PROJECT

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			2	2
DUPAGE			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

NOT FOR BIDD



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DRAWN — LEH	REVISED —
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DATE — 04-27-18	REVISED —

JACKSON POND OVERFLOW PROJECT

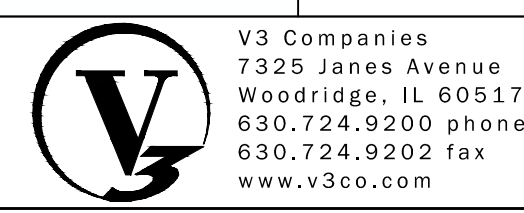
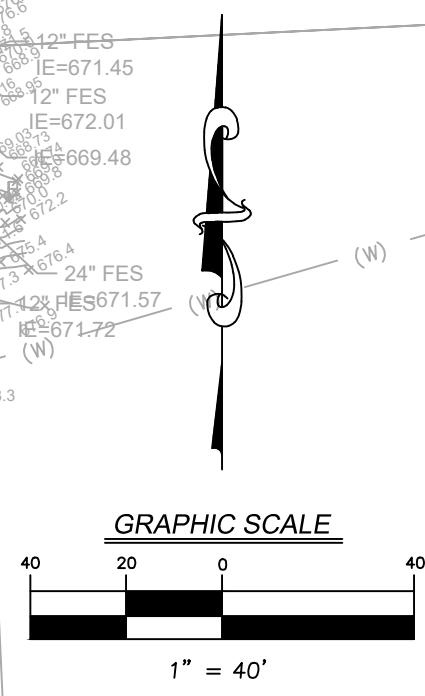
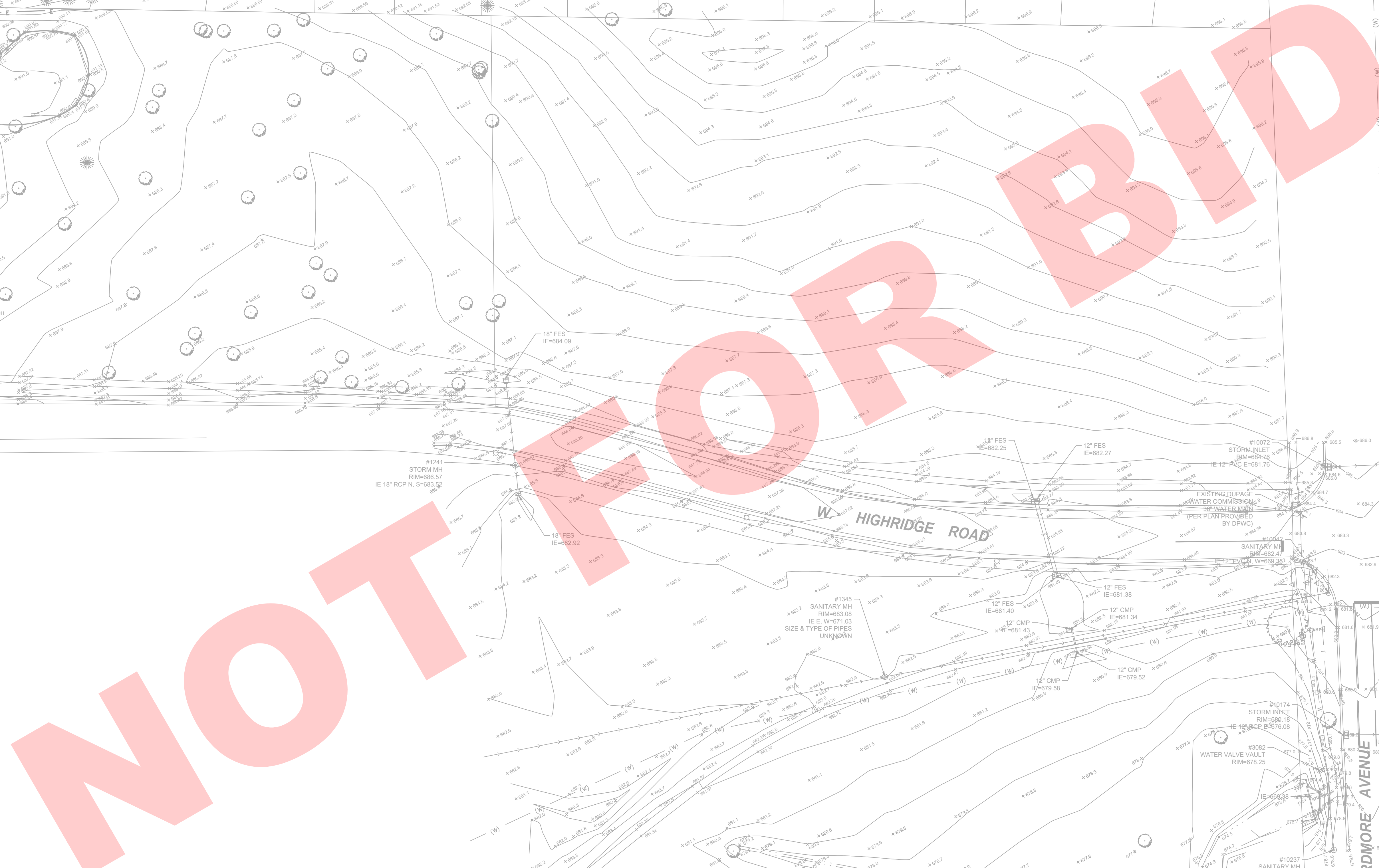
ALIGNMENTS, TIES, & BENCHMARKS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			3	3
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MATCH LINE SEE SHEET 5

SEE SHEET 5

MATCH LINE



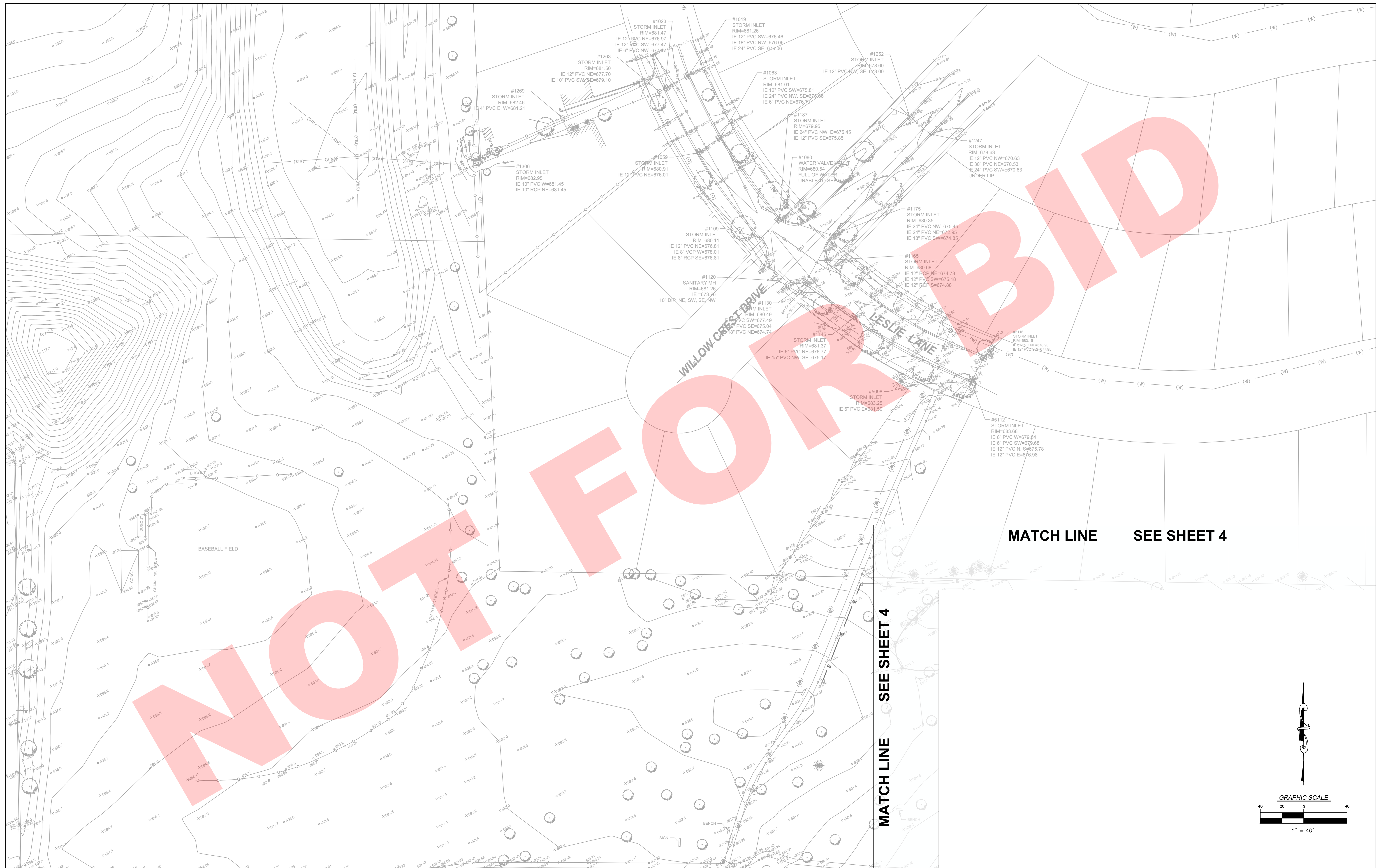
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 630.724.9202 fax
 www.v3co.com

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DRAWN — LEH	REVISED —
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DATE — 04-27-18	REVISED —

JACKSON POND OVERFLOW PROJECT

EXISTING CONDITIONS PLAN — AREA 1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	4	4
CONTRACT NO.				
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DRAWN	—	LEH	REVISED	---	---
CHECKED	—	DLM	REVISED	---	---
DATE	—	04-27-18	REVISED	---	---


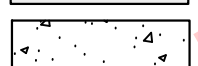
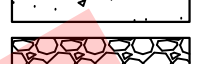

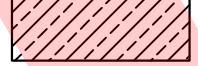


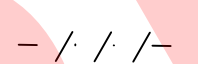
JACKSON POND OVERFLOW PROJECT

EXISTING CONDITIONS PLAN — AREA 2

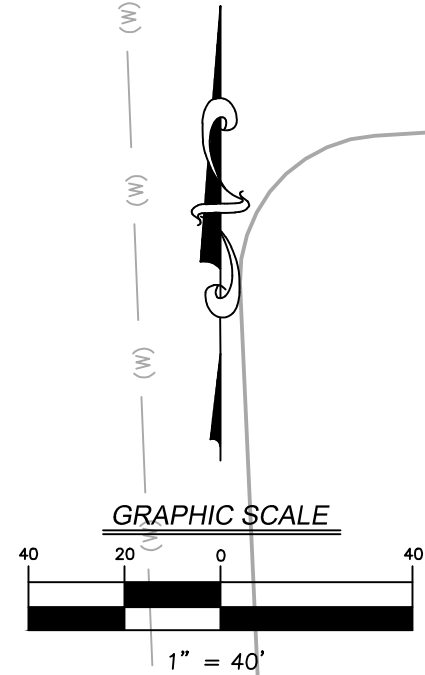
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				5
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

MATCH LINE SEE SHEET 7

DEMOLITION NOTES

-  PAVEMENT REMOVAL (FULL DEPTH)
-  SIDEWALK REMOVAL
-  AGGREGATE SHOULDER REMOVAL
-  CONCRETE REMOVAL, SPECIAL
-  SAWCUT LINE
-  LINEAR ITEMS TO BE REMOVED
-  LINEAR ITEMS TO BE ABANDONED
-  ITEMS TO BE REMOVED

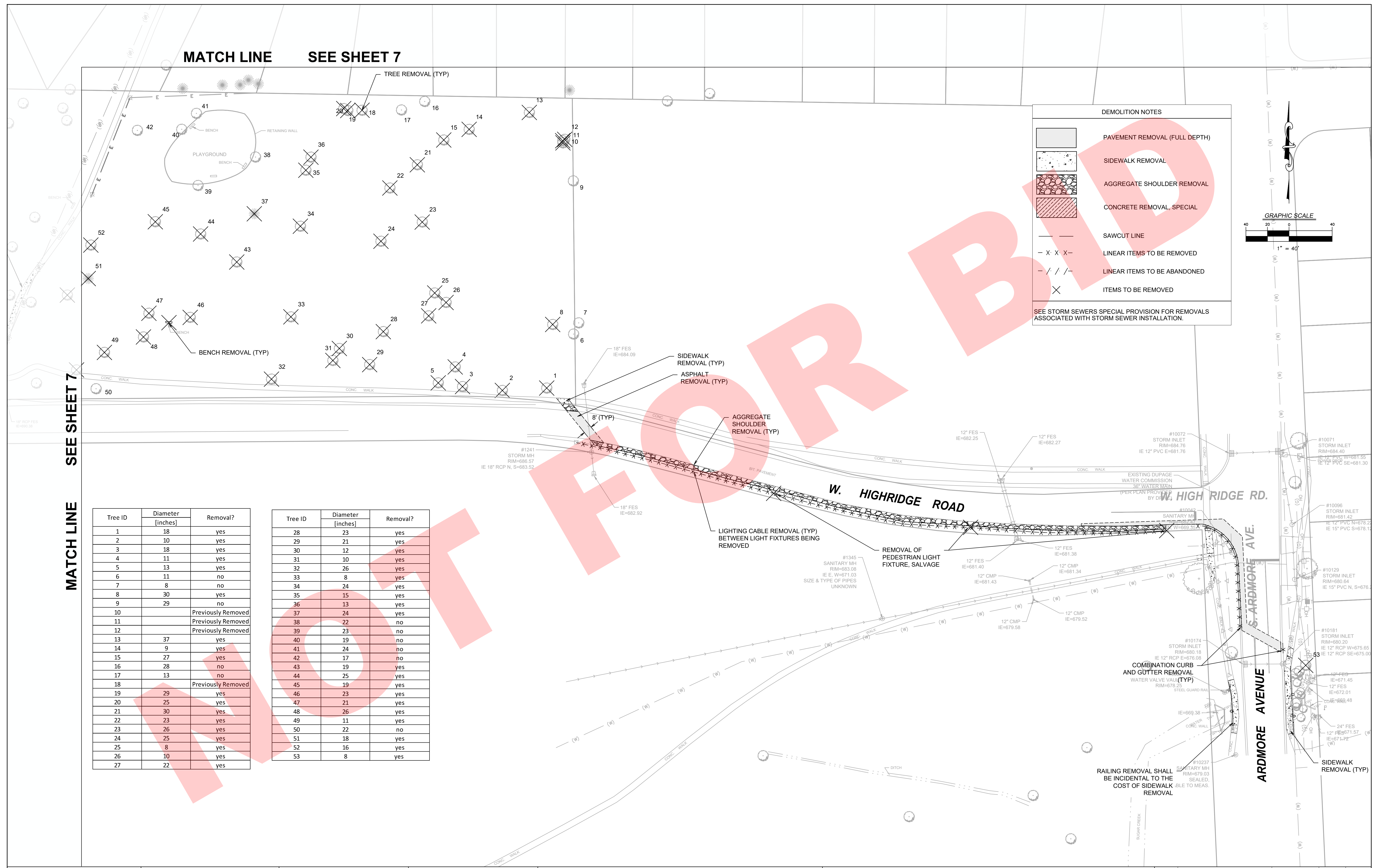
SEE STORM SEWERS SPECIAL PROVISION FOR REMOVALS ASSOCIATED WITH STORM SEWER INSTALLATION.



MATCH LINE SEE SHEET 7

Tree ID	Diameter [inches]	Removal?
1	18	yes
2	10	yes
3	18	yes
4	11	yes
5	13	yes
6	11	no
7	8	no
8	30	yes
9	29	no
10		Previously Removed
11		Previously Removed
12		Previously Removed
13	37	yes
14	9	yes
15	27	yes
16	28	no
17	13	no
18		Previously Removed
19	29	yes
20	25	yes
21	30	yes
22	23	yes
23	26	yes
24	25	yes
25	8	yes
26	10	yes
27	22	yes

Tree ID	Diameter [inches]	Removal?
28	23	yes
29	21	yes
30	12	yes
31	10	yes
32	26	yes
33	8	yes
34	24	yes
35	15	yes
36	13	yes
37	24	yes
38	22	no
39	23	no
40	19	no
41	24	no
42	17	no
43	19	yes
44	25	yes
45	19	yes
46	23	yes
47	21	yes
48	26	yes
49	11	yes
50	22	no
51	18	yes
52	16	yes
53	8	yes



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DATE — 04-27-18	REVISED —

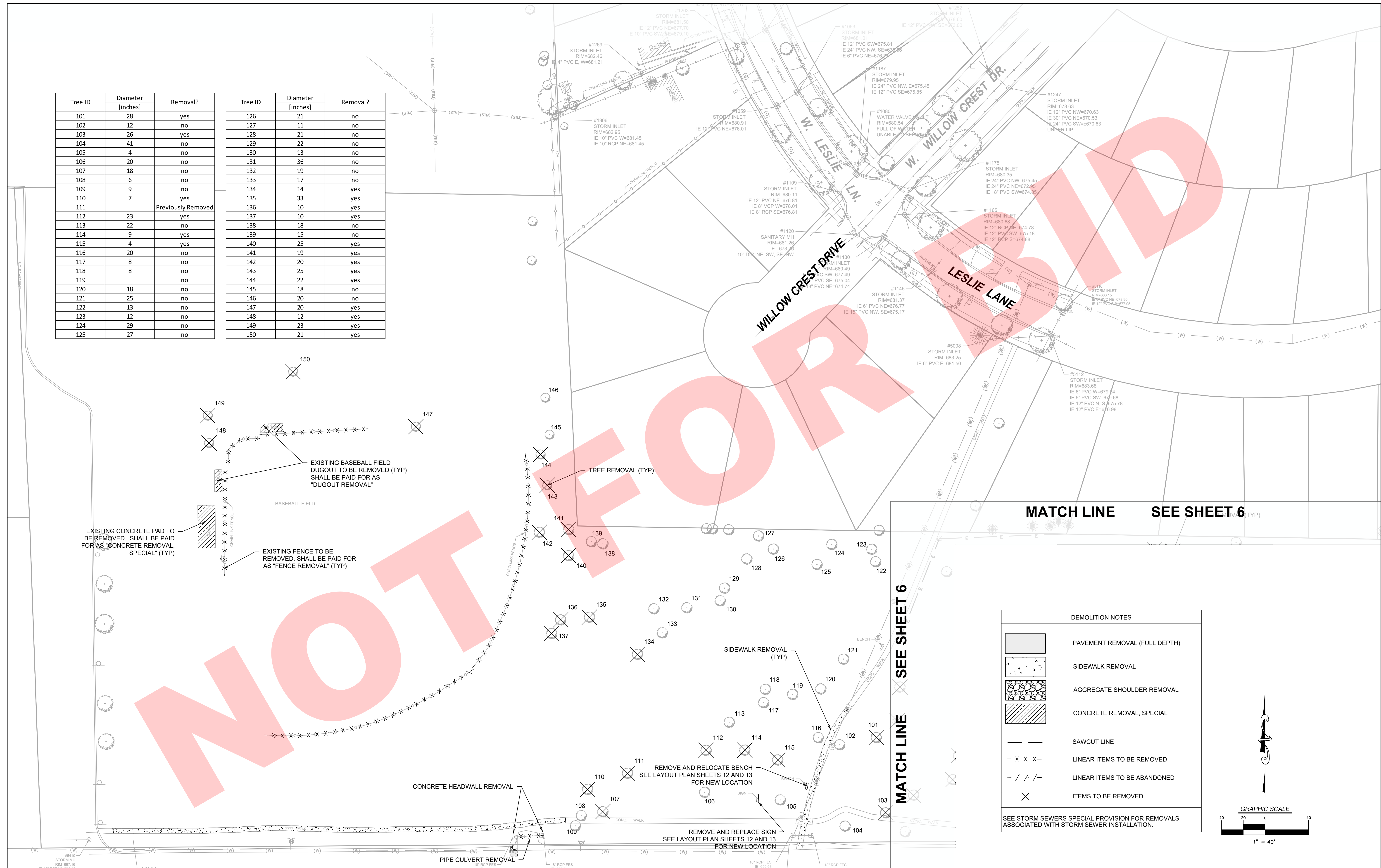
JACKSON POND OVERFLOW PROJECT

REMOVAL PLAN — AREA 1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	6	6
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

Tree ID	Diameter [inches]	Removal?
101	28	yes
102	12	no
103	26	yes
104	41	no
105	4	no
106	20	no
107	18	no
108	6	no
109	9	no
110	7	yes
111		Previously Removed
112	23	yes
113	22	no
114	9	yes
115	4	yes
116	20	no
117	8	no
118	8	no
119		no
120	18	no
121	25	no
122	13	no
123	12	no
124	29	no
125	27	no

Tree ID	Diameter [inches]	Removal?
126	21	no
127	11	no
128	21	no
129	22	no
130	13	no
131	36	no
132	19	no
133	17	no
134	14	yes
135	33	yes
136	10	yes
137	10	yes
138	18	no
139	15	no
140	25	yes
141	19	yes
142	20	yes
143	25	yes
144	22	yes
145	18	no
146	20	no
147	20	yes
148	12	yes
149	23	yes
150	21	yes



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CHECKED	—	DLM	REVISED	---	---
DATE	—	04-27-18	REVISED	---	---

JACKSON POND OVERFLOW PROJECT

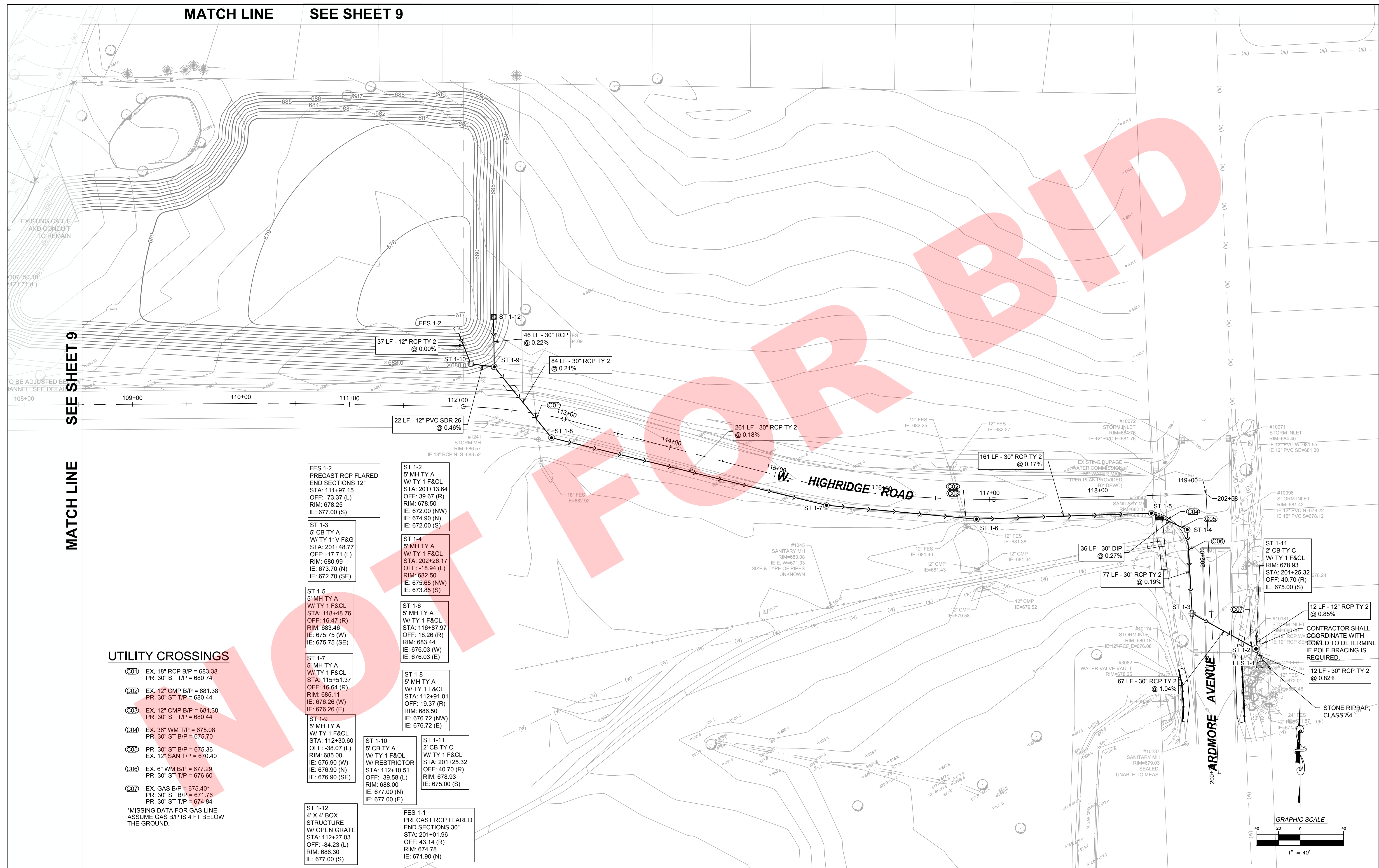
REMOVAL PLAN — AREA 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				7
DUPAGE			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

MATCH LINE SEE SHEET 9

SEE SHEET 9

MATCH LINE



UTILITY CROSSINGS

- C01 EX. 18" RCP B/P = 683.38
PR. 30" ST T/P = 680.74
- C02 EX. 12" CMP B/P = 681.38
PR. 30" ST T/P = 680.44
- C03 EX. 12" CMP B/P = 681.38
PR. 30" ST T/P = 680.44
- C04 EX. 36" WM T/P = 675.08
PR. 30" ST B/P = 675.70
- C05 PR. 30" ST B/P = 675.36
EX. 12" SAN T/P = 670.40
- C06 EX. 6" WM B/P = 677.29
PR. 30" ST T/P = 676.60
- C07 EX. GAS B/P = 675.40*
PR. 30" ST B/P = 671.76
PR. 30" ST T/P = 674.84

*MISSING DATA FOR GAS LINE. ASSUME GAS B/P IS 4 FT BELOW THE GROUND.

- FES 1-2 PRECAST RCP FLARED END SECTIONS 12" STA: 111+97.15 OFF: -73.37 (L) RIM: 678.25 IE: 677.00 (S)
- ST 1-2 5' MH TY A W/ TY 1 F&CL STA: 201+13.64 OFF: -38.67 (R) RIM: 678.50 IE: 674.90 (NW) IE: 674.90 (N) IE: 672.00 (S)
- ST 1-3 5' CB TY A W/ TY 11V F&G STA: 201+48.77 OFF: -17.71 (L) RIM: 680.99 IE: 673.70 (N) IE: 672.70 (SE)
- ST 1-4 5' MH TY A W/ TY 1 F&CL STA: 202+26.17 OFF: -18.94 (L) RIM: 682.50 IE: 675.65 (NW) IE: 673.85 (S)
- ST 1-5 5' MH TY A W/ TY 1 F&CL STA: 118+48.76 OFF: 16.47 (R) RIM: 683.46 IE: 675.75 (W) IE: 675.75 (SE)
- ST 1-6 5' MH TY A W/ TY 1 F&CL STA: 116+87.97 OFF: 18.26 (R) RIM: 683.44 IE: 676.03 (W) IE: 676.03 (E)
- ST 1-7 5' MH TY A W/ TY 1 F&CL STA: 115+51.37 OFF: 16.64 (R) RIM: 685.11 IE: 676.26 (W) IE: 676.26 (E)
- ST 1-8 5' MH TY A W/ TY 1 F&CL STA: 112+91.01 OFF: 19.37 (R) RIM: 686.50 IE: 676.72 (NW) IE: 676.72 (E)
- ST 1-9 5' MH TY A W/ TY 1 F&CL STA: 112+30.60 OFF: -38.07 (L) RIM: 685.00 IE: 676.90 (W) IE: 676.90 (N) IE: 676.90 (SE)
- ST 1-10 5' CB TY A W/ TY 1 F&CL W/ RESTRICTOR STA: 112+10.51 OFF: -39.58 (L) RIM: 688.00 IE: 677.00 (N) IE: 677.00 (E)
- ST 1-11 2' CB TY C W/ TY 1 F&CL STA: 201+25.32 OFF: 40.70 (R) RIM: 678.93 IE: 675.00 (S)
- FES 1-1 PRECAST RCP FLARED END SECTIONS 30" STA: 201+01.96 OFF: 43.14 (R) RIM: 674.78 IE: 671.90 (N)
- ST 1-12 4' X 4' BOX STRUCTURE W/ OPEN GRATE STA: 112+27.03 OFF: -84.23 (L) RIM: 686.30 IE: 677.00 (S)

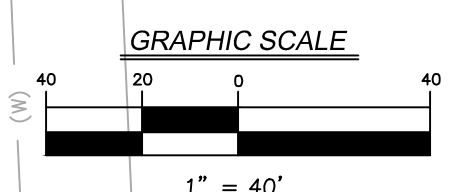
JACKSON POND OVERFLOW PROJECT

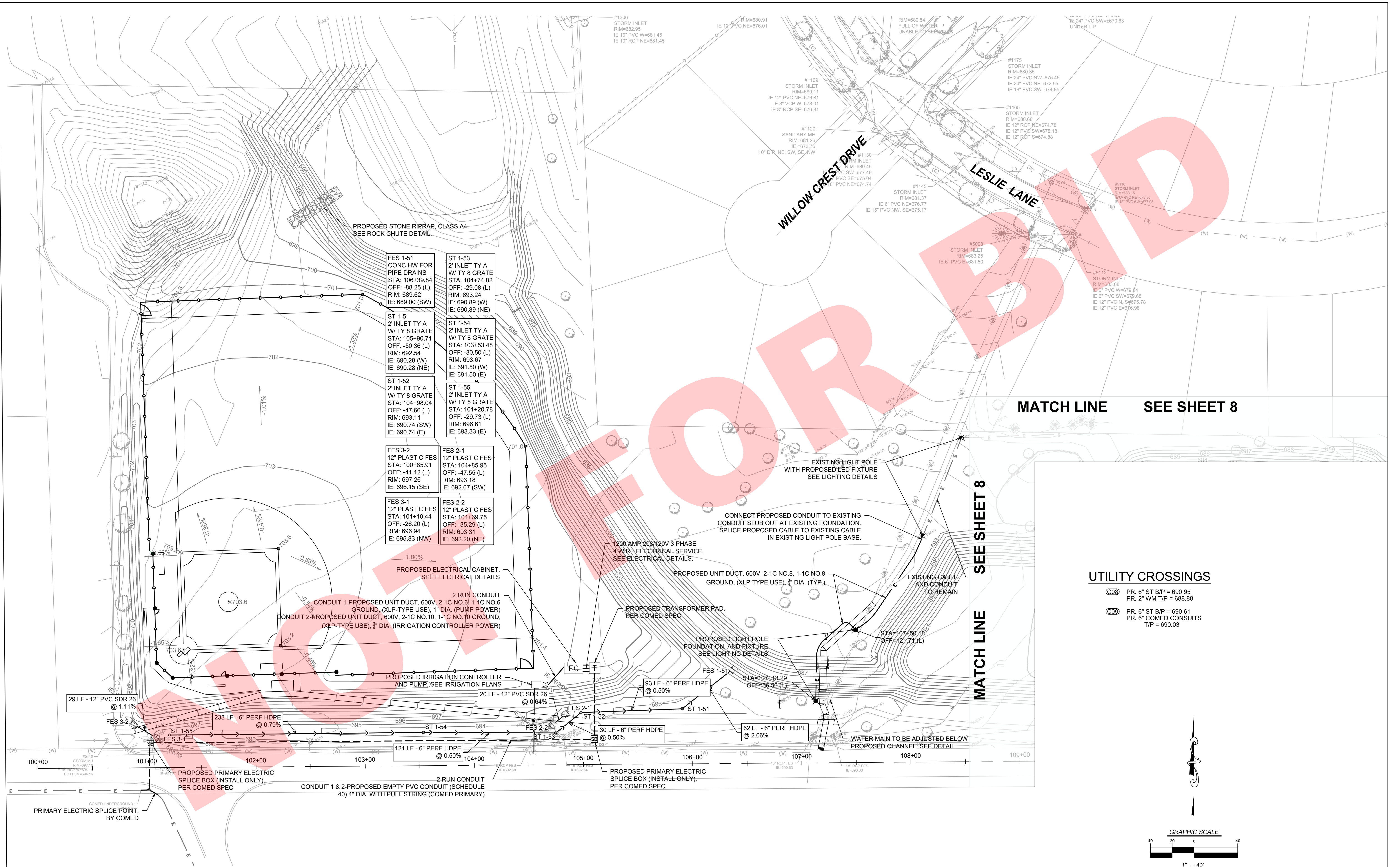
UTILITY PLAN - AREA 1

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	8	8
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



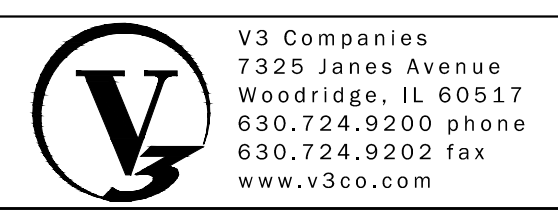
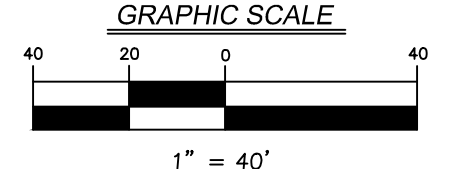


MATCH LINE SEE SHEET 8

SEE SHEET 8

UTILITY CROSSINGS

- ☉ PR. 6" ST B/P = 690.95
PR. 2" WM T/P = 688.88
- ☉ PR. 6" ST B/P = 690.61
PR. 6" COMED CONSUITS
T/P = 690.03



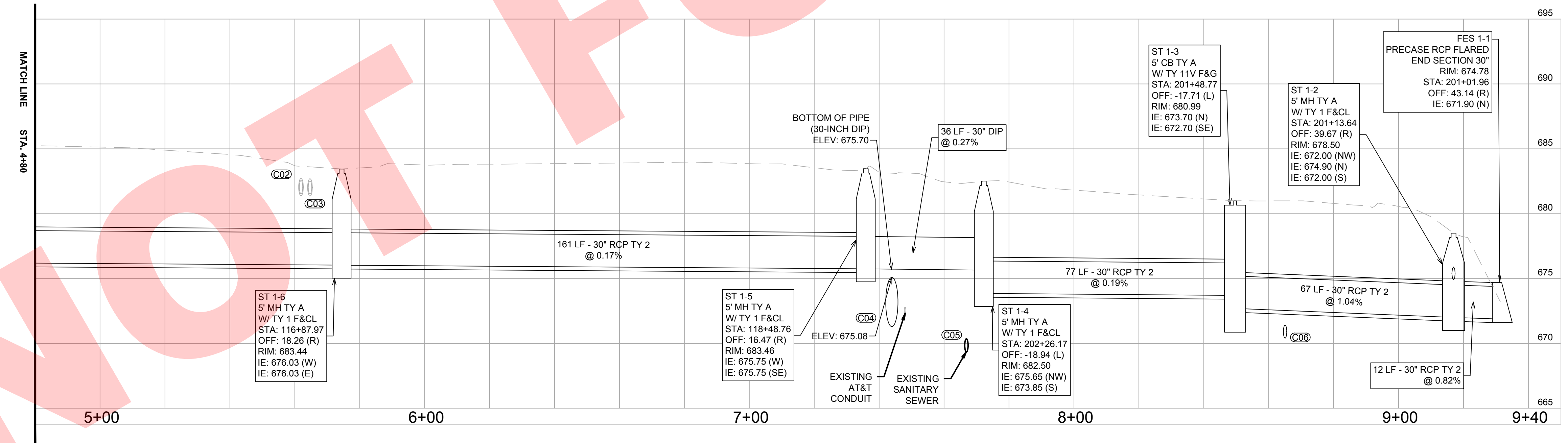
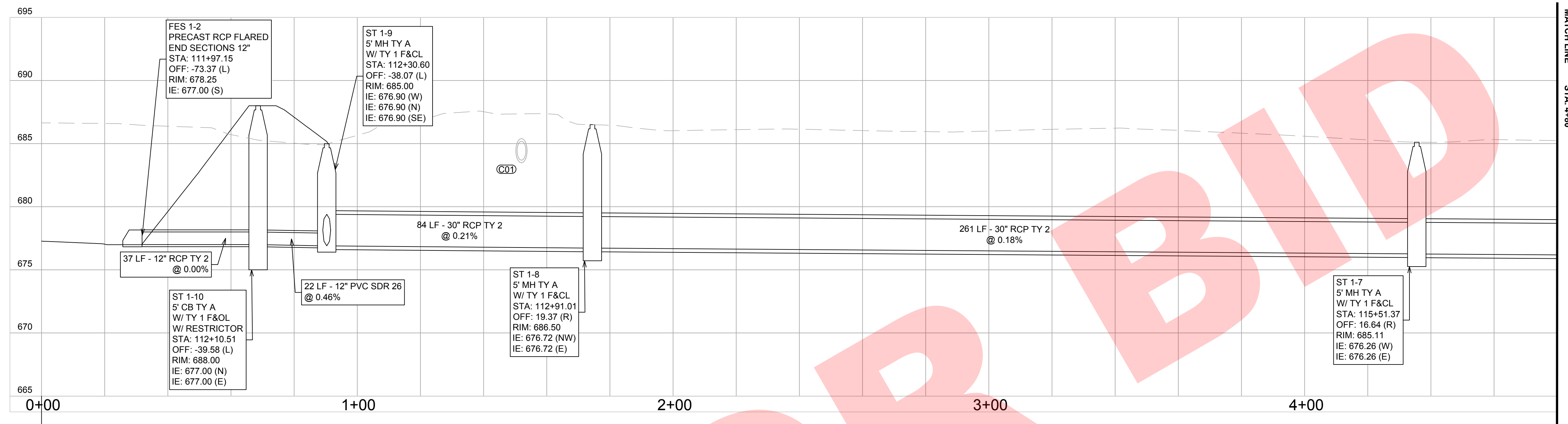
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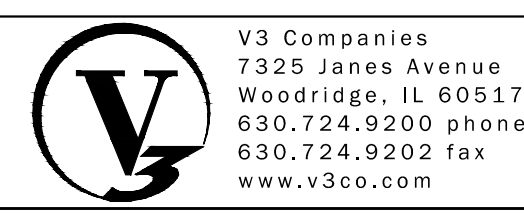
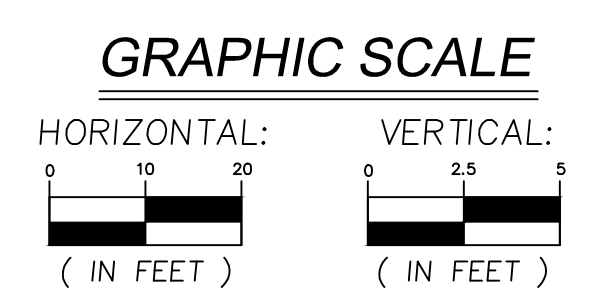
JACKSON POND OVERFLOW PROJECT

UTILITY PLAN — AREA 2

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	9	9
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



NOTE:
PROFILE STATIONING BASED ON CENTERLINE
OF STORM SEWER.



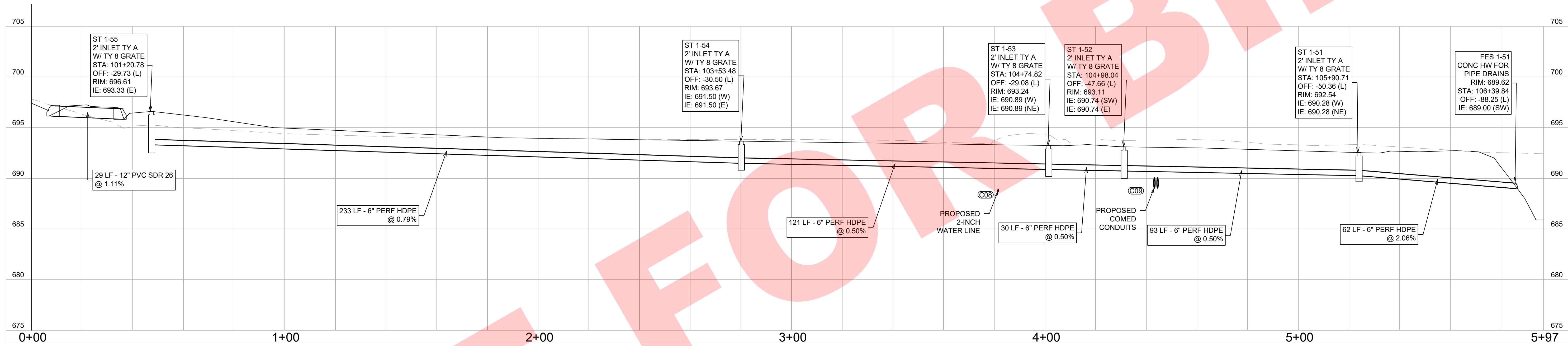
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UTILITY PLAN — PROFILES AREA 1

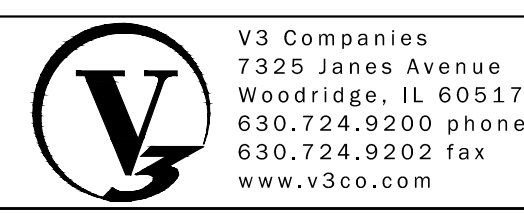
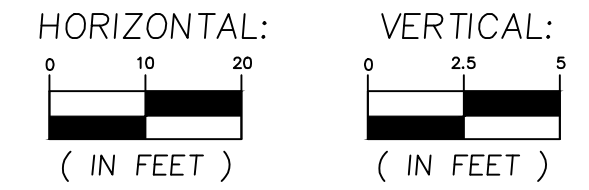
F.A. —	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.				10
DUPAGE			CONTRACT NO. —	
ILLINOIS FED. AID PROJECT				



NOT FOR BID

NOTE:
PROFILE STATIONING BASED ON CENTERLINE OF STORM SEWER.

GRAPHIC SCALE



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JACKSON POND OVERFLOW PROJECT

UTILITY PLAN — PROFILES AREA 2

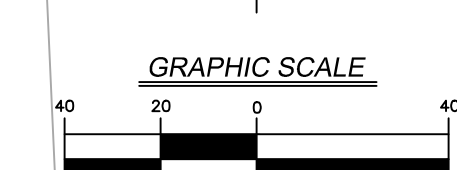
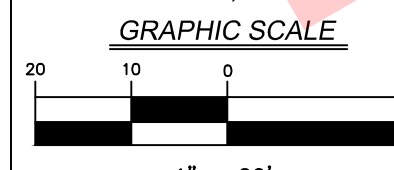
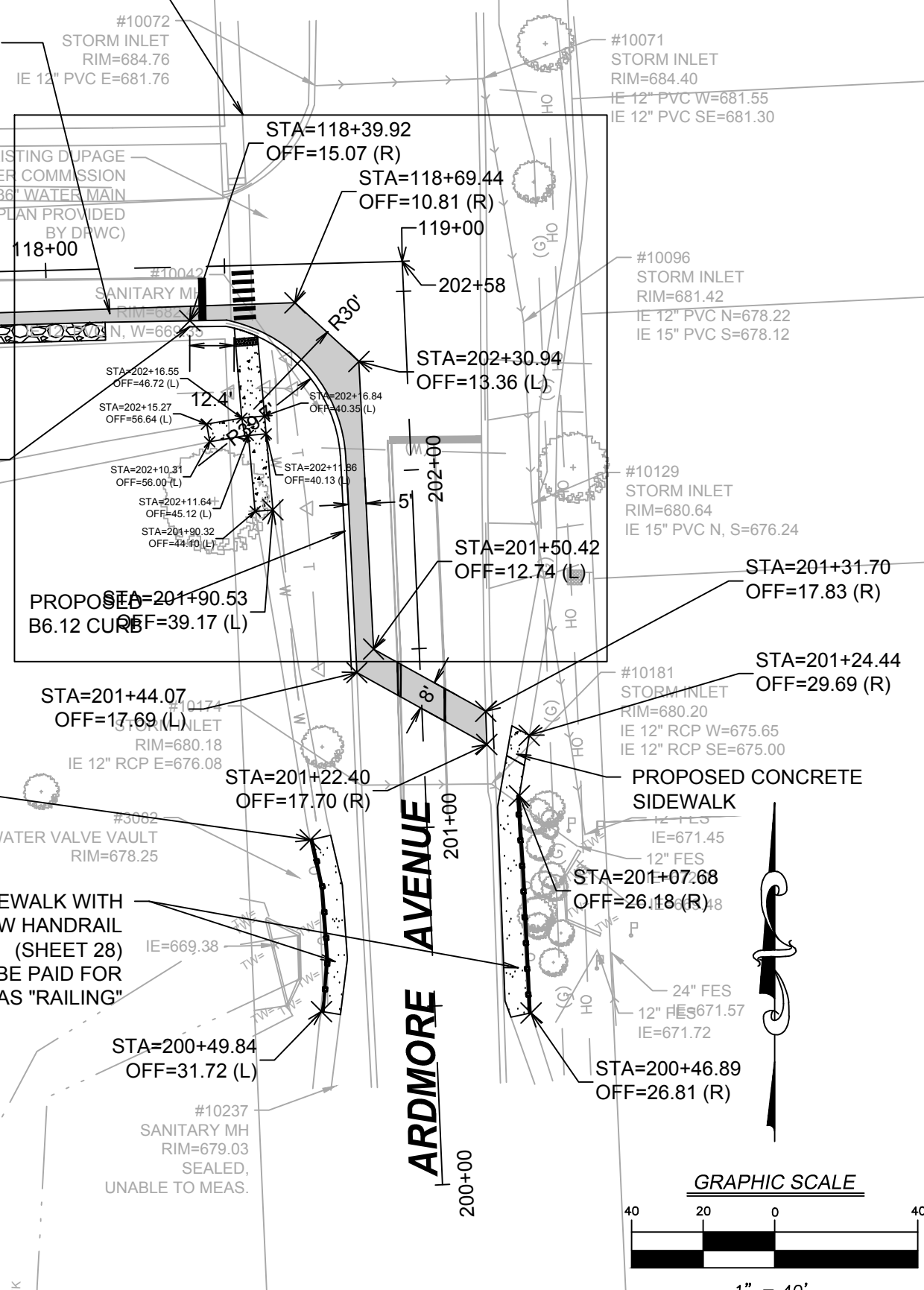
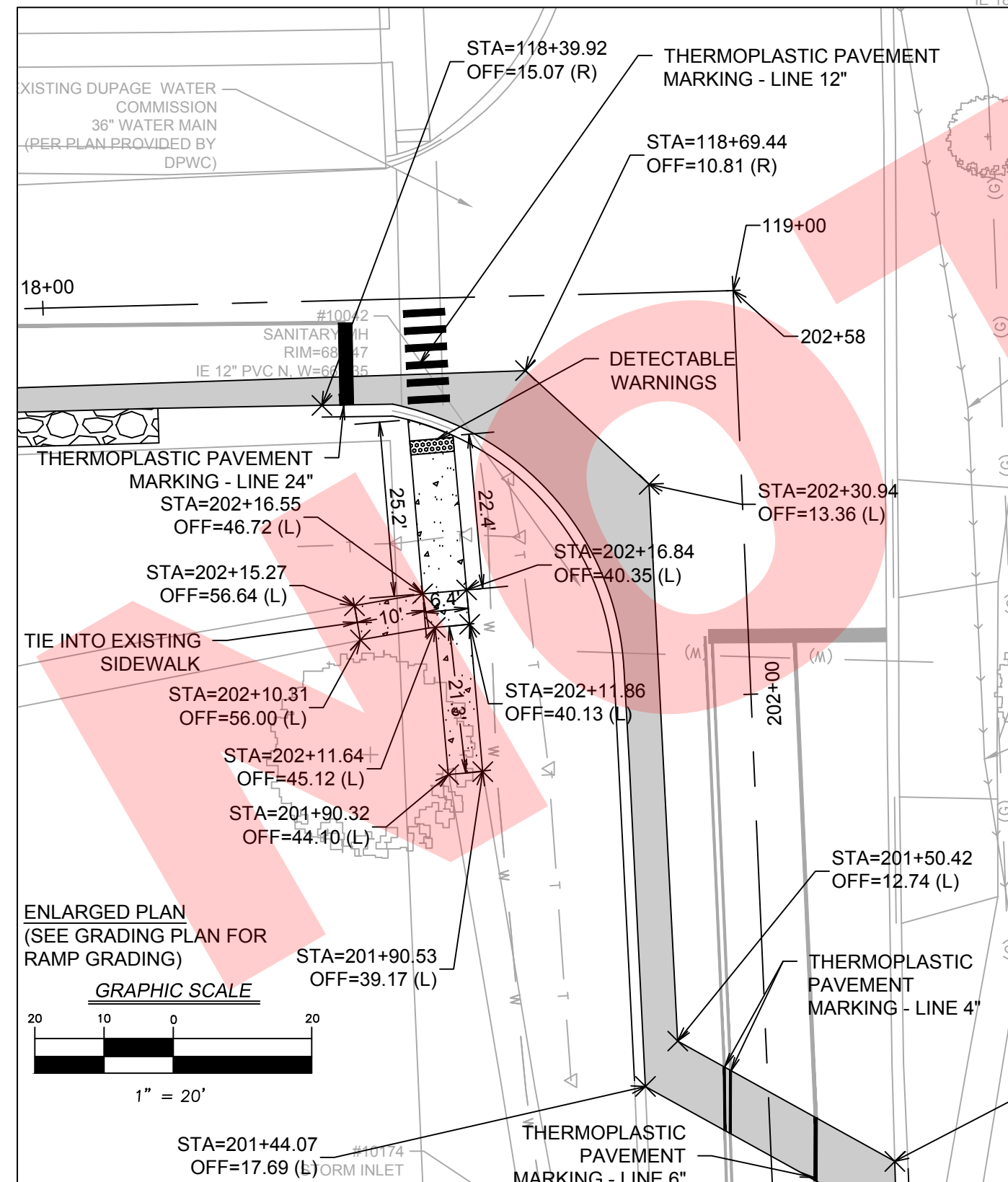
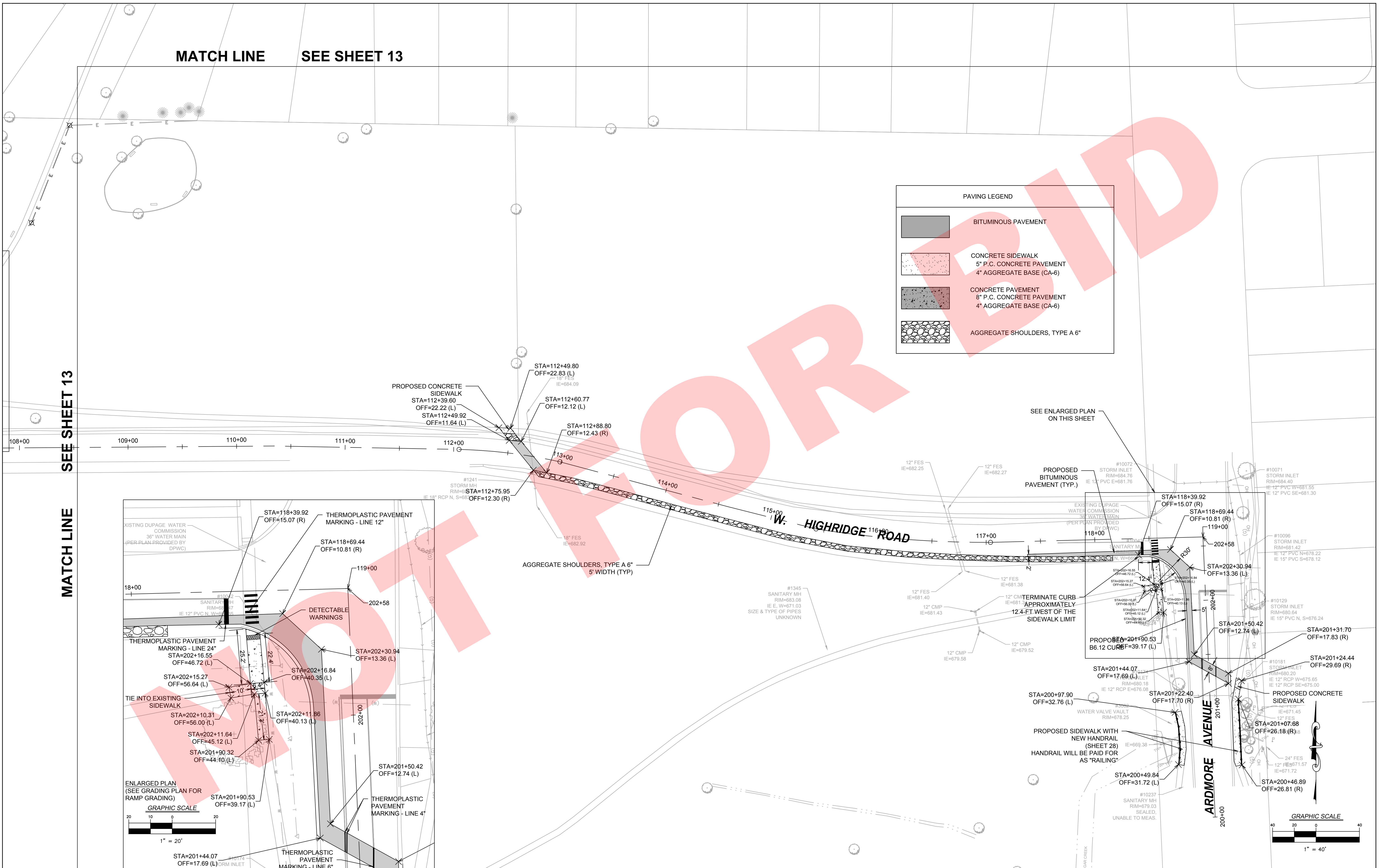
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	11	11
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

MATCH LINE SEE SHEET 13

SEE SHEET 13

MATCH LINE

PAVING LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE SIDEWALK 5" P.C. CONCRETE PAVEMENT 4" AGGREGATE BASE (CA-6)
	CONCRETE PAVEMENT 8" P.C. CONCRETE PAVEMENT 4" AGGREGATE BASE (CA-6)
	AGGREGATE SHOULDERS, TYPE A 6"



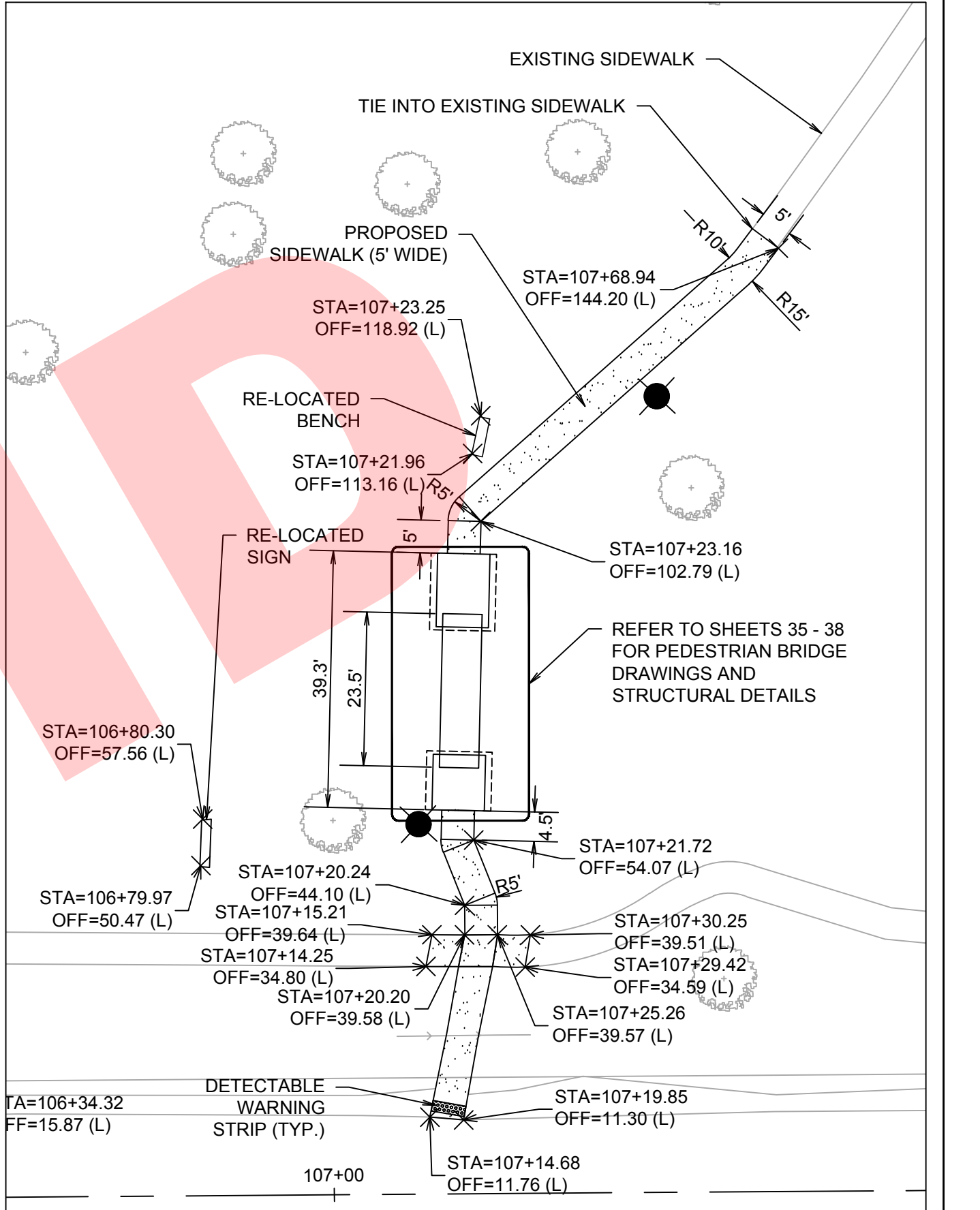
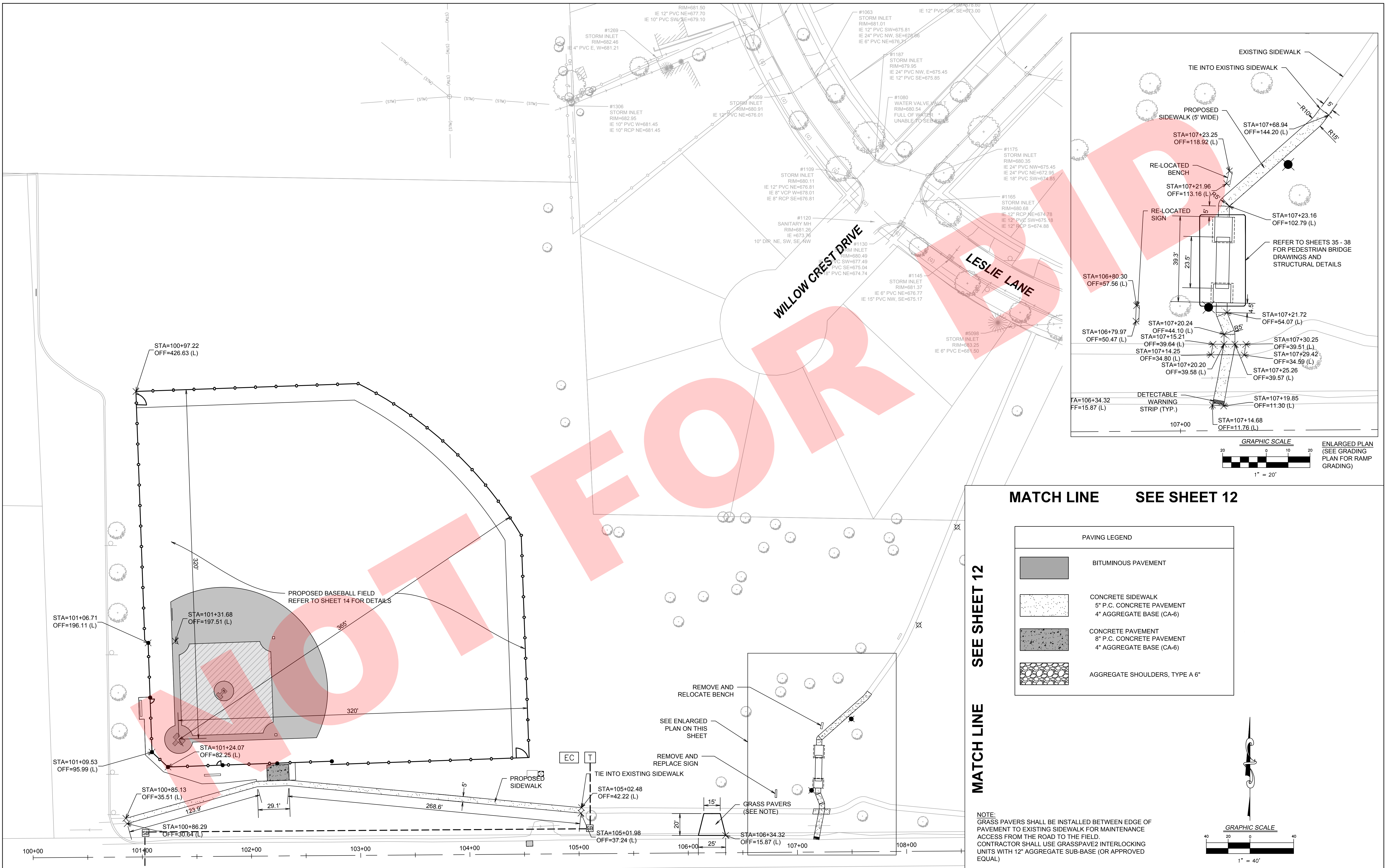
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JACKSON POND OVERFLOW PROJECT

LAYOUT PLAN - AREA 1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	12	12
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

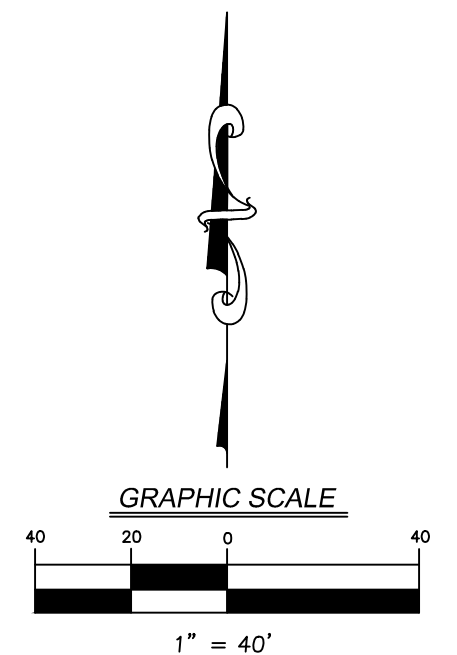


MATCH LINE SEE SHEET 12

PAVING LEGEND	
	BITUMINOUS PAVEMENT
	CONCRETE SIDEWALK 5" P.C. CONCRETE PAVEMENT 4" AGGREGATE BASE (CA-6)
	CONCRETE PAVEMENT 8" P.C. CONCRETE PAVEMENT 4" AGGREGATE BASE (CA-6)
	AGGREGATE SHOULDERS, TYPE A 6"

SEE SHEET 12
MATCH LINE

NOTE:
GRASS PAVERS SHALL BE INSTALLED BETWEEN EDGE OF PAVEMENT TO EXISTING SIDEWALK FOR MAINTENANCE ACCESS FROM THE ROAD TO THE FIELD.
CONTRACTOR SHALL USE GRASSPAVE2 INTERLOCKING UNITS WITH 12" AGGREGATE SUB-BASE (OR APPROVED EQUAL)



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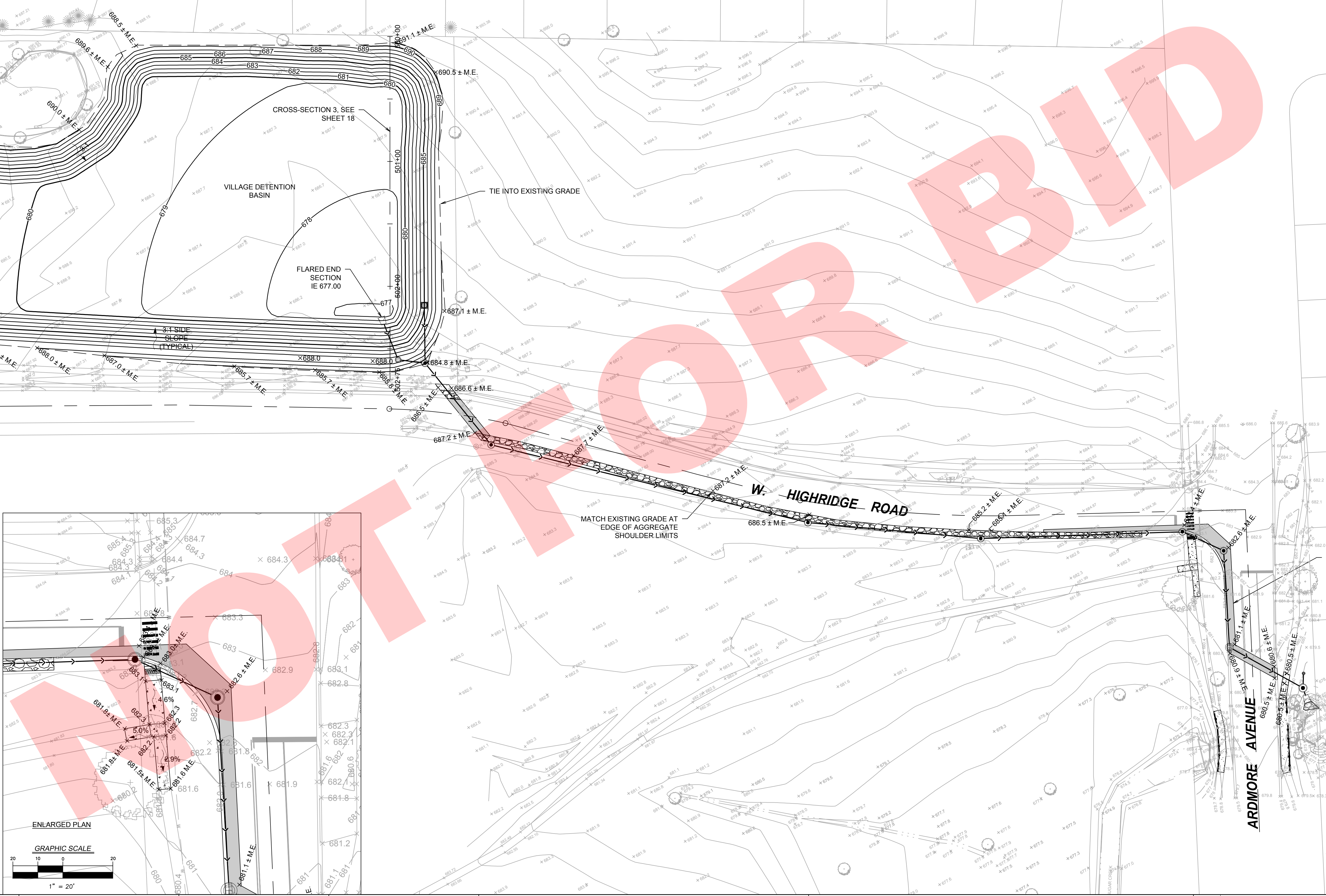
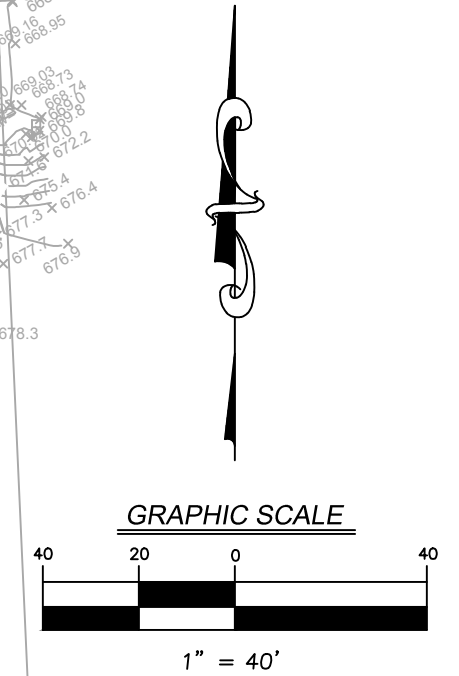
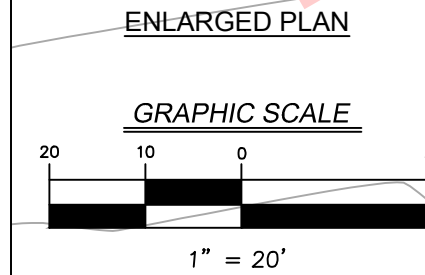
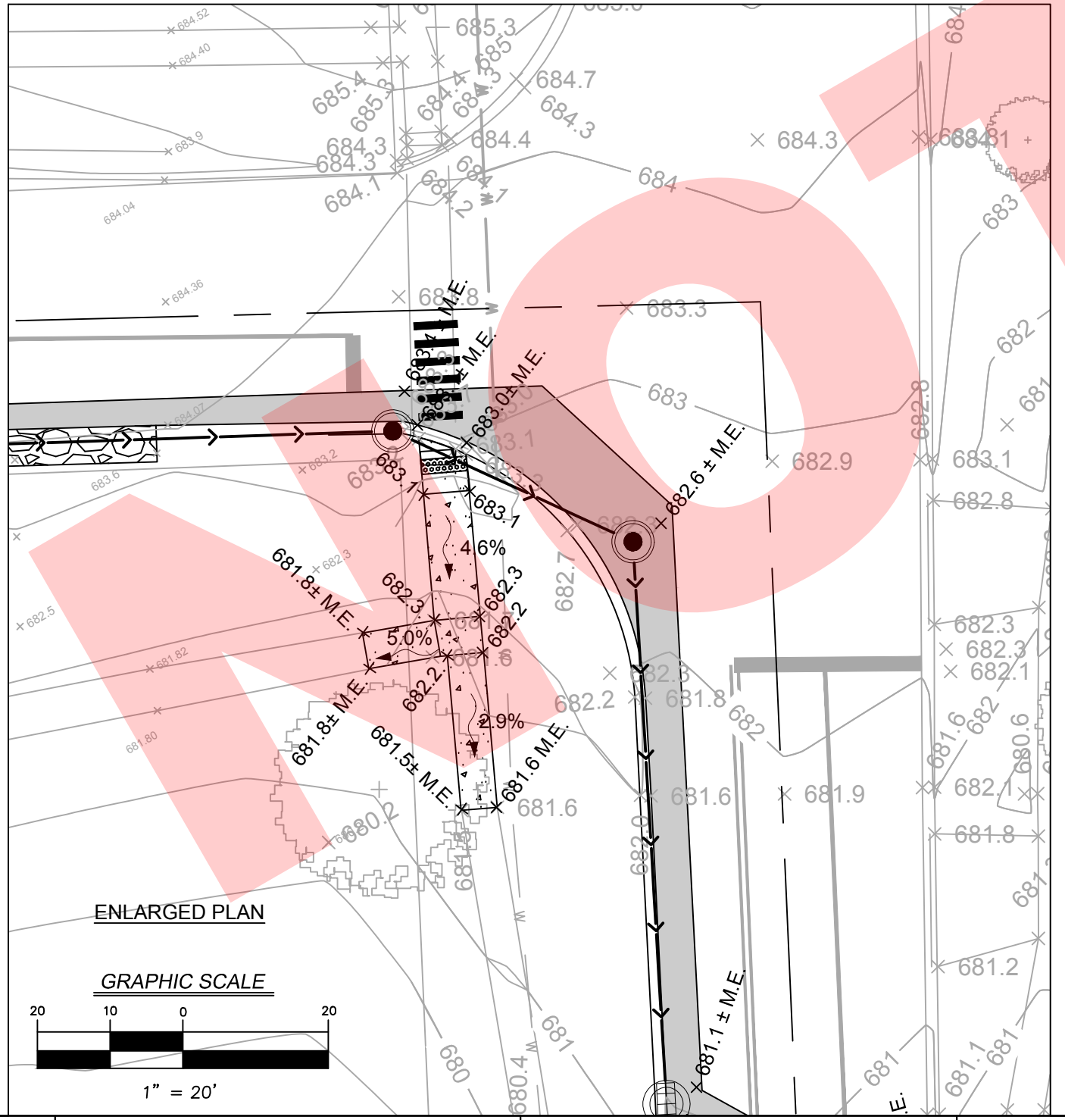
JACKSON POND OVERFLOW PROJECT

LAYOUT PLAN — AREA 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			13	13
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

MATCH LINE SEE SHEET 16

SEE SHEET 16 MATCH LINE



JACKSON POND OVERFLOW PROJECT

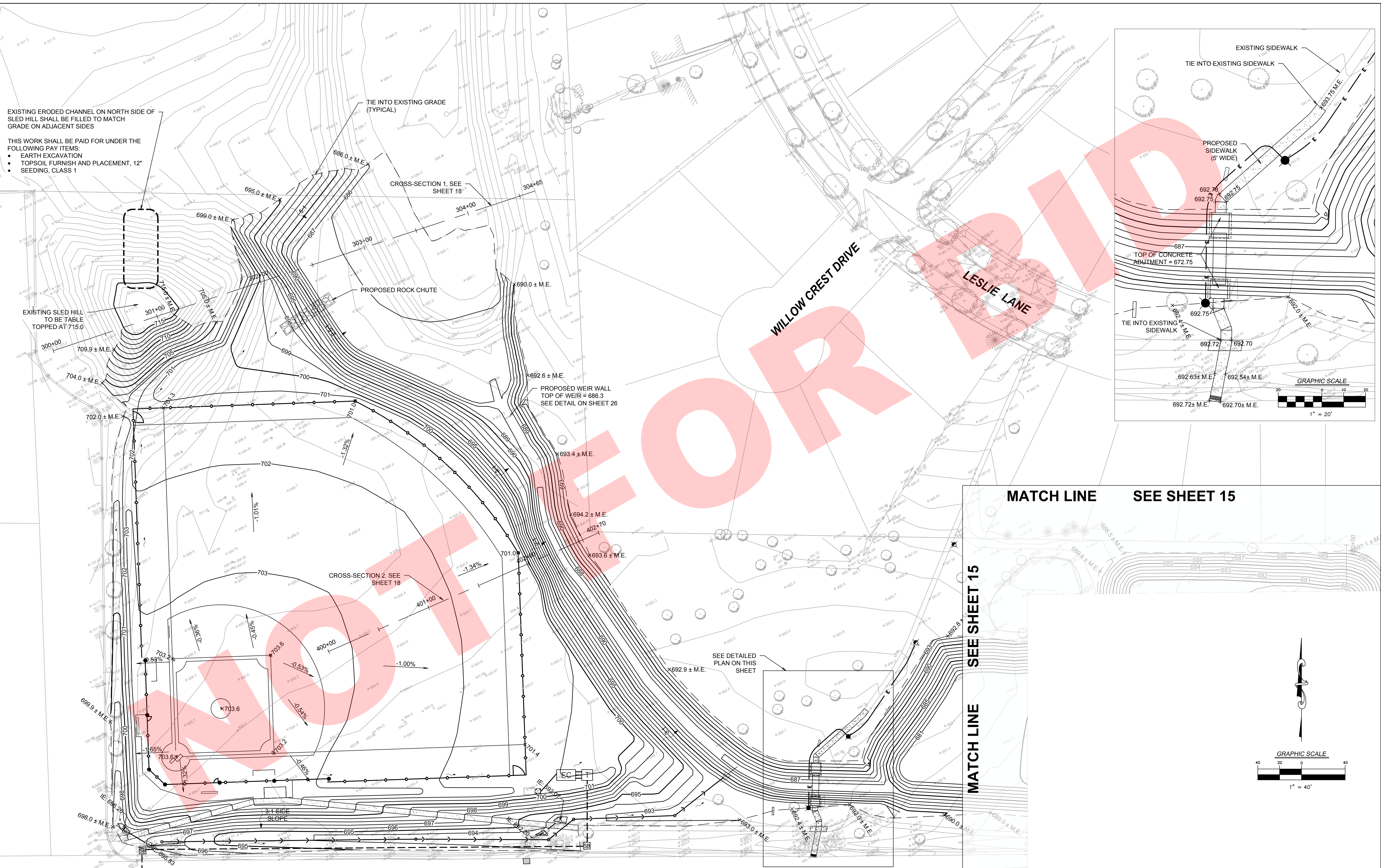
GRADING PLAN - AREA 1



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DRAWN	—	LEH	REVISED	—	---
CHECKED	—	DLM	REVISED	—	---
DATE	—	04-27-18	REVISED	—	---

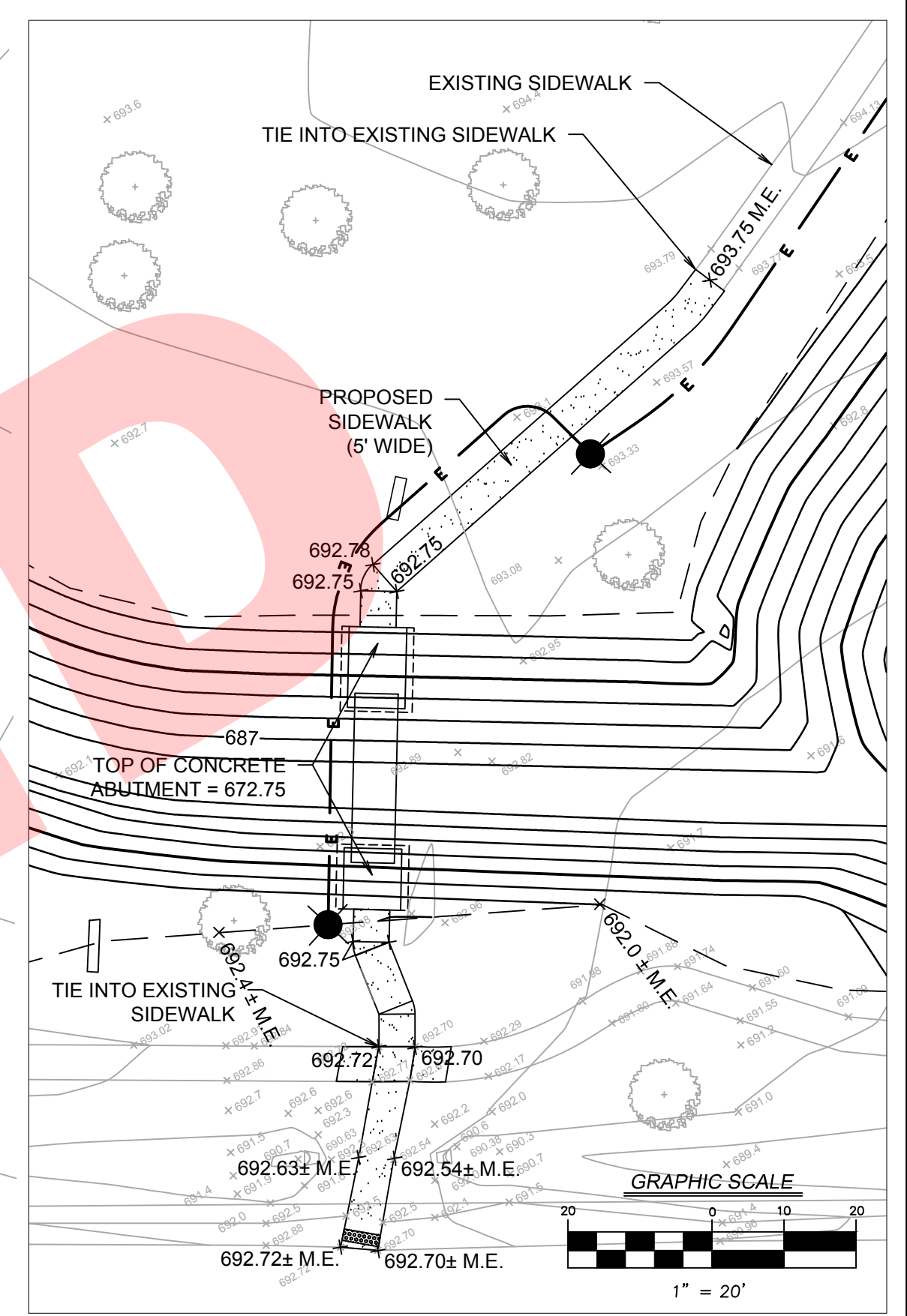
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	15	15
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EXISTING ERODED CHANNEL ON NORTH SIDE OF SLED HILL SHALL BE FILLED TO MATCH GRADE ON ADJACENT SIDES

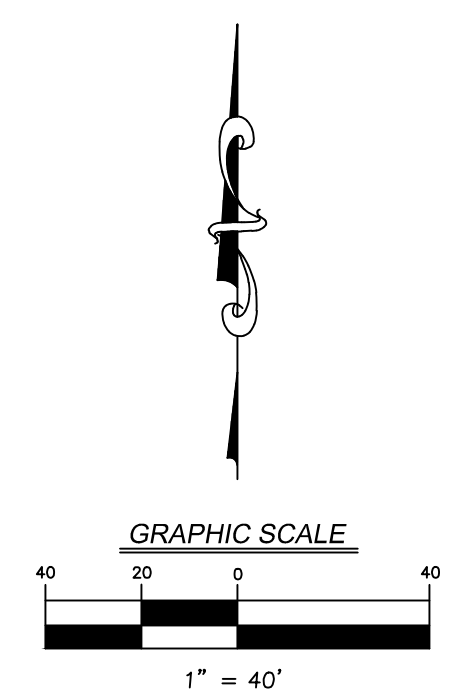
THIS WORK SHALL BE PAID FOR UNDER THE FOLLOWING PAY ITEMS:

- EARTH EXCAVATION
- TOPSOIL FURNISH AND PLACEMENT, 12"
- SEEDING, CLASS 1



MATCH LINE SEE SHEET 15

SEE SHEET 15



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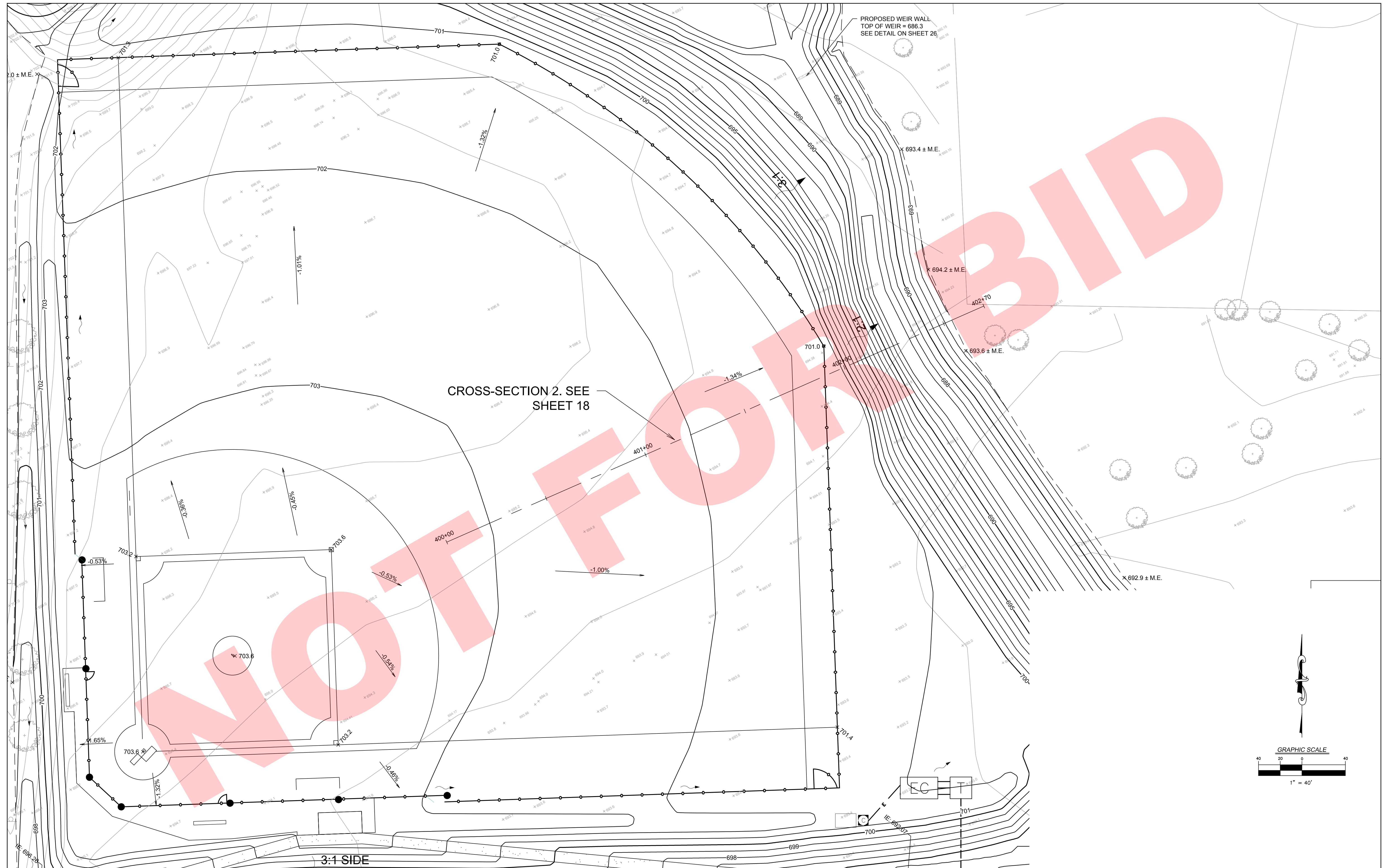
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DRAWN — LEH	REVISD —
CHECKED — DLM	REVISD —
DATE — 04-27-18	REVISD —

DESIGNED — CWH	REVISD —
DRAWN — LEH	REVISD —
CHECKED — DLM	REVISD —
DATE — 04-27-18	REVISD —

JACKSON POND OVERFLOW PROJECT

GRADING PLAN — AREA 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	16	16
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



CROSS-SECTION 2. SEE SHEET 18

JACKSON POND OVERFLOW PROJECT

GRADING PLAN - BASEBALL FIELD

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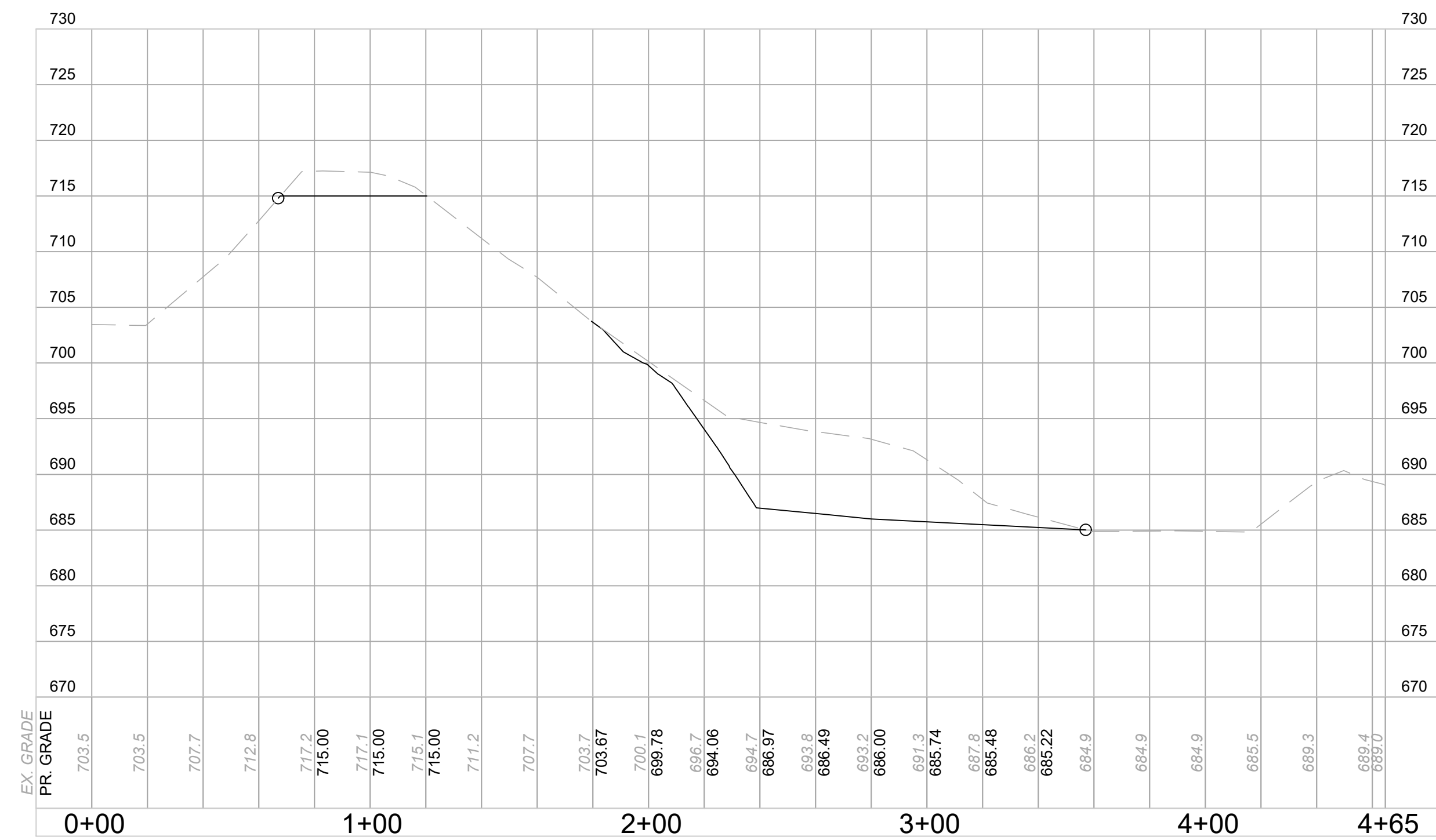
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 DATE - 04-27-18

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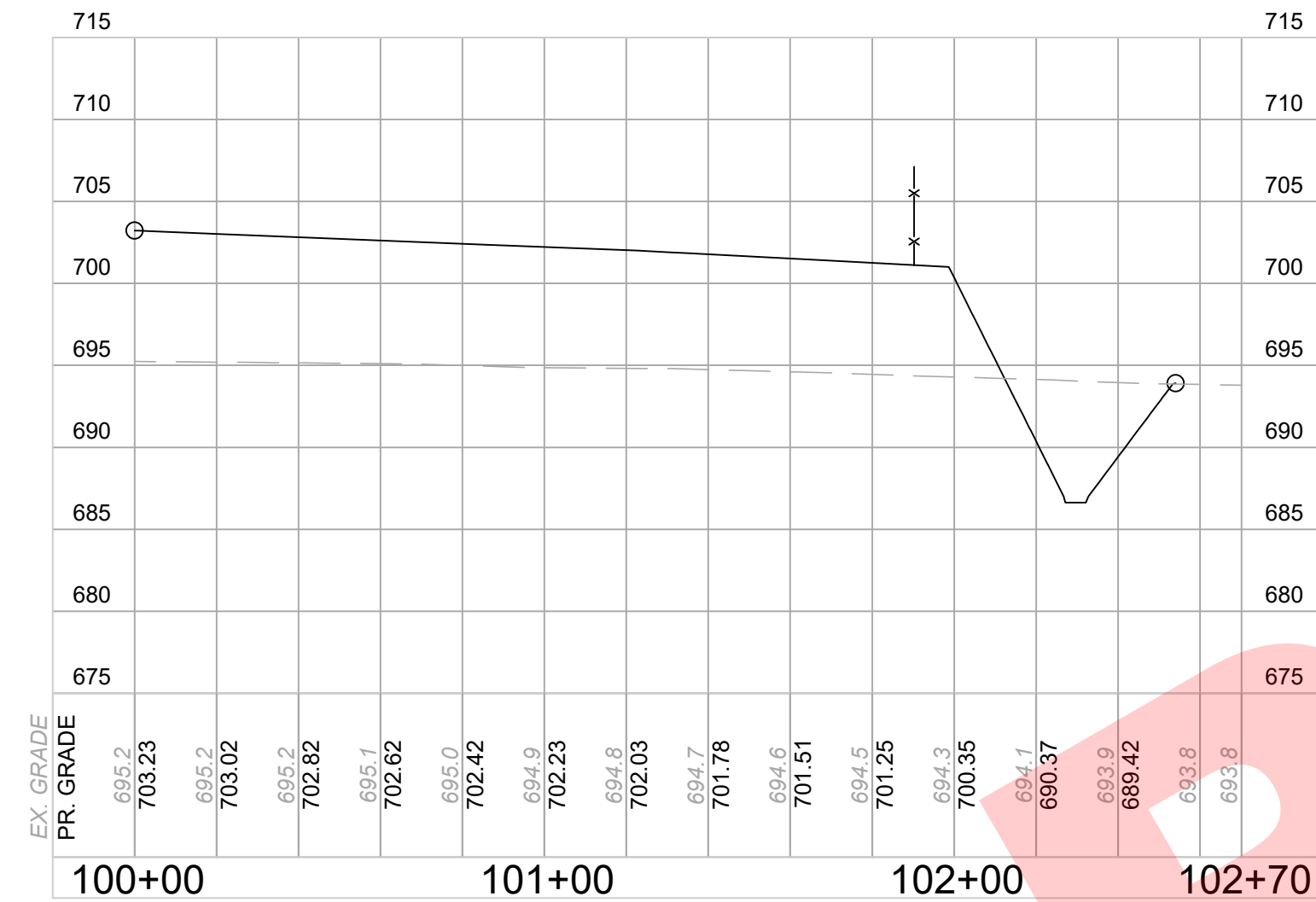
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				17
DUPAGE			CONTRACT NO.	
ILLINOIS FED. AID PROJECT				

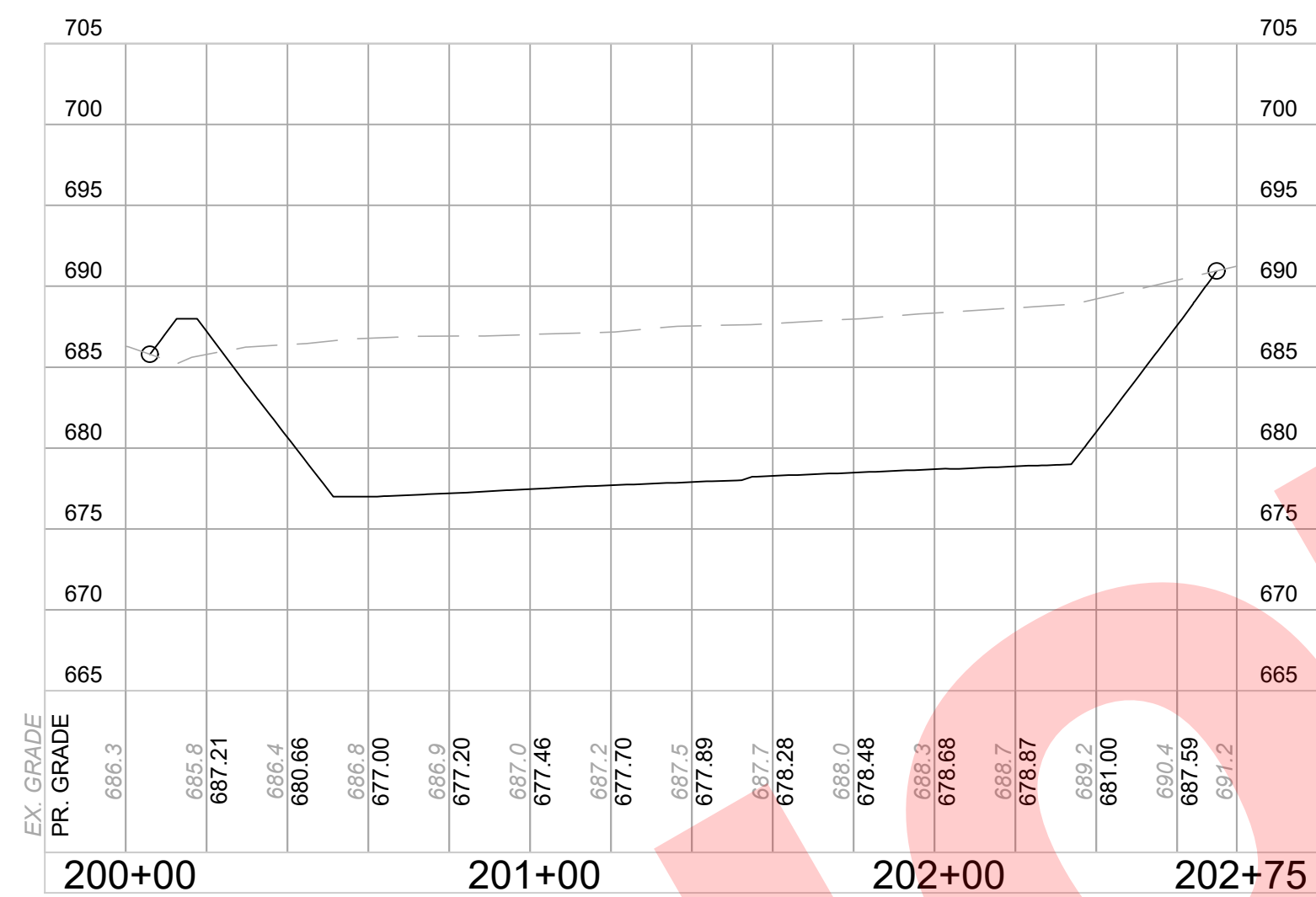
CROSS-SECTION 1



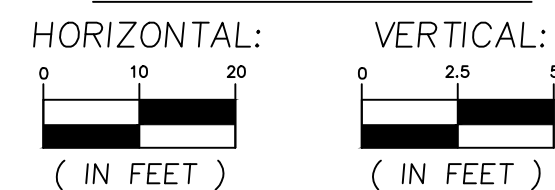
CROSS-SECTION 2



CROSS-SECTION 3



GRAPHIC SCALE



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CHECKED	— DLM	REVISED	— — — — —
DATE	— 04-27-18	REVISED	— — — — —

JACKSON POND OVERFLOW PROJECT

GRADING CROSS SECTIONS

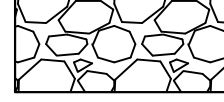


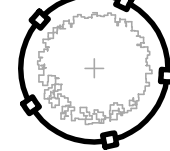


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	18	18
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

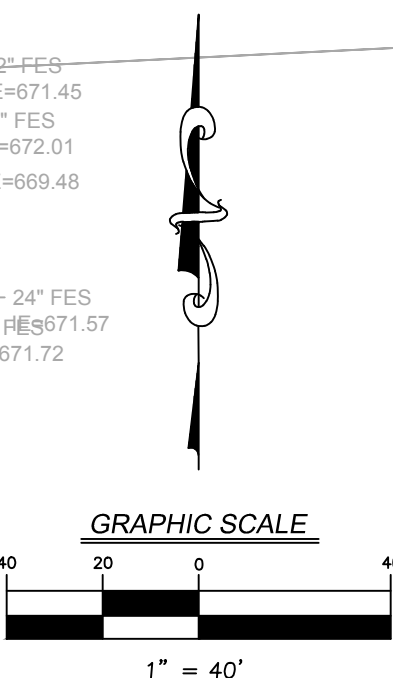
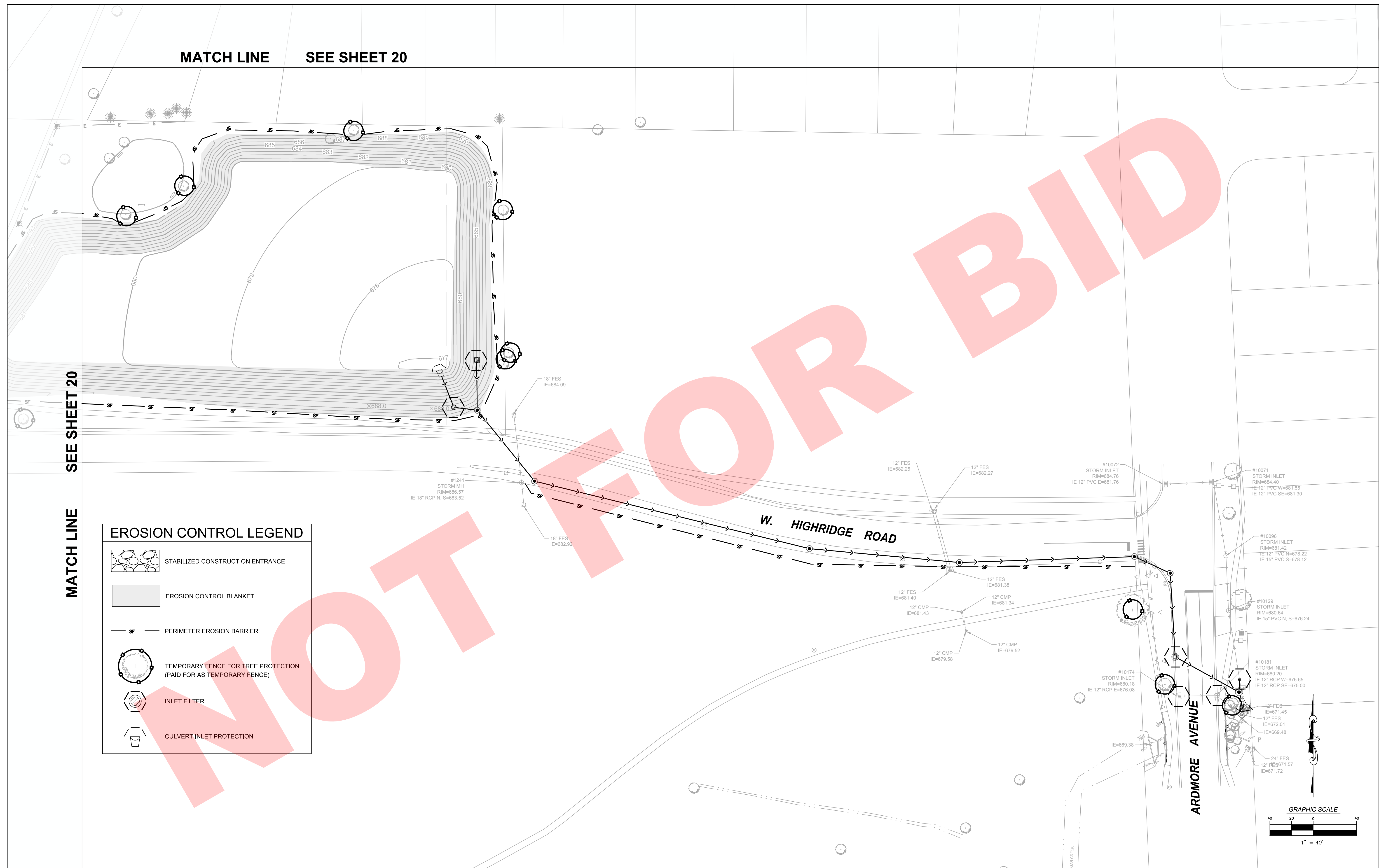
MATCH LINE SEE SHEET 20

SEE SHEET 20

MATCH LINE

EROSION CONTROL LEGEND

-  STABILIZED CONSTRUCTION ENTRANCE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE FOR TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
-  INLET FILTER
-  CULVERT INLET PROTECTION



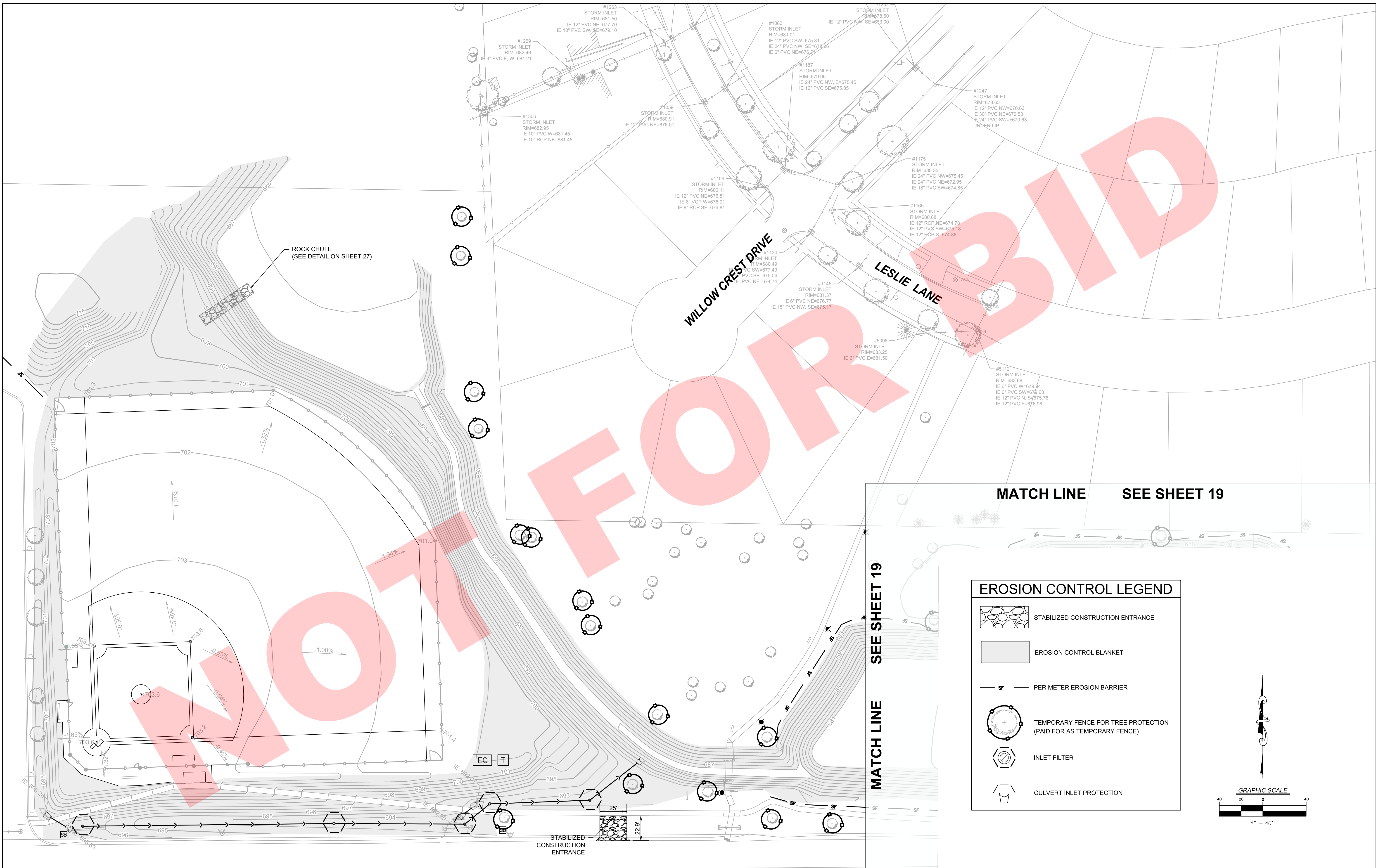
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DATE — 04-27-18	REVISED —

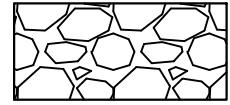
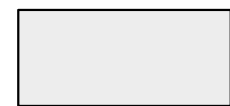

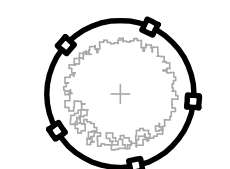


JACKSON POND OVERFLOW PROJECT

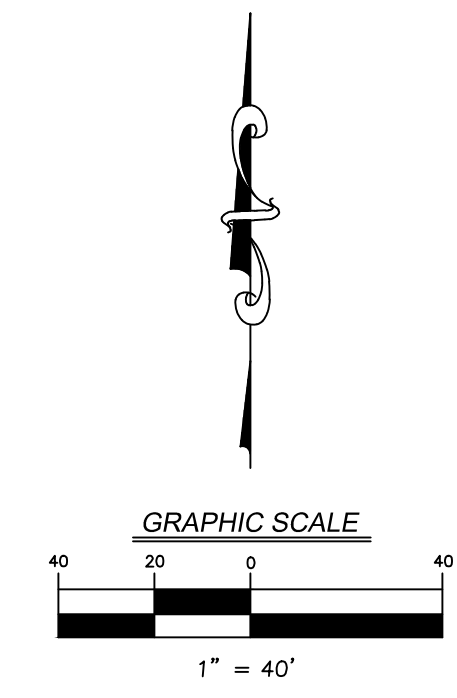
EROSION CONTROL PLAN — AREA 1

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				19
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



EROSION CONTROL LEGEND

-  STABILIZED CONSTRUCTION ENTRANCE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER
-  TEMPORARY FENCE FOR TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)
-  INLET FILTER
-  CULVERT INLET PROTECTION



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CHECKED — DLM	REVISED —
DATE — 04-27-18	REVISED —

JACKSON POND OVERFLOW PROJECT

EROSION CONTROL PLAN — AREA 2

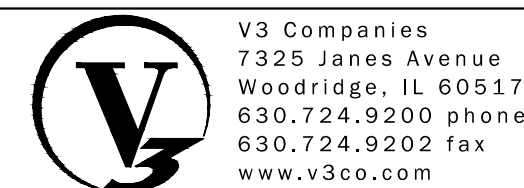
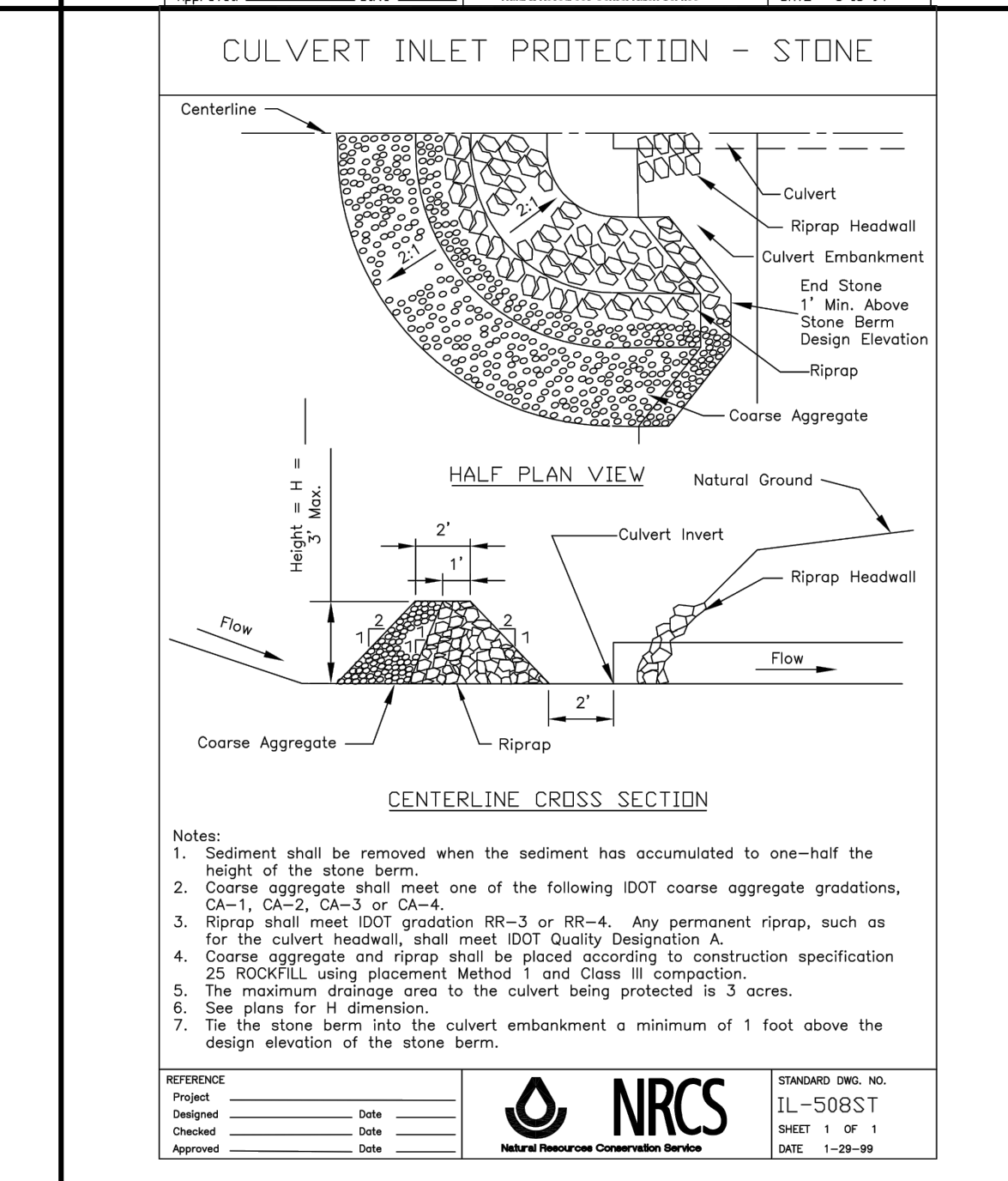
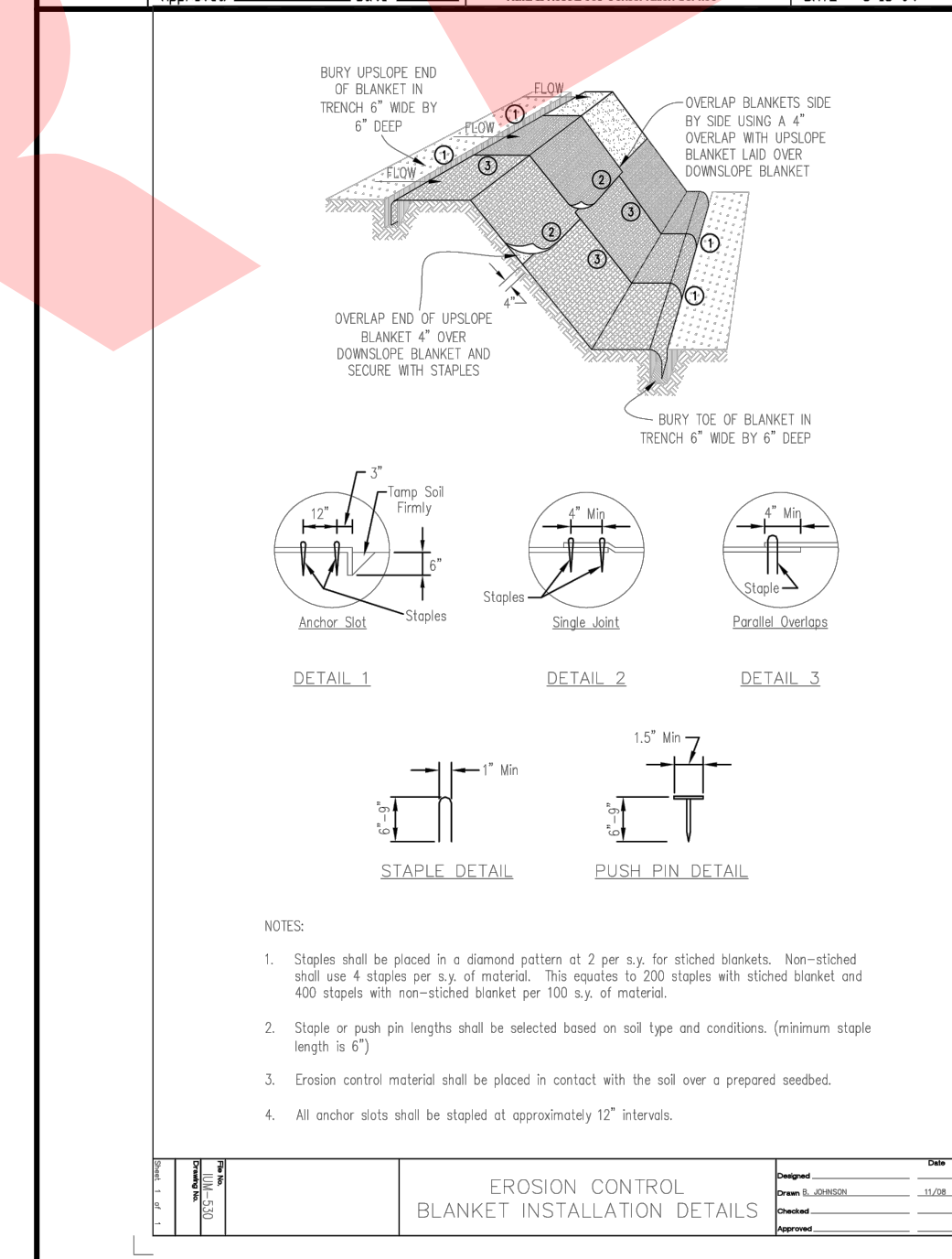
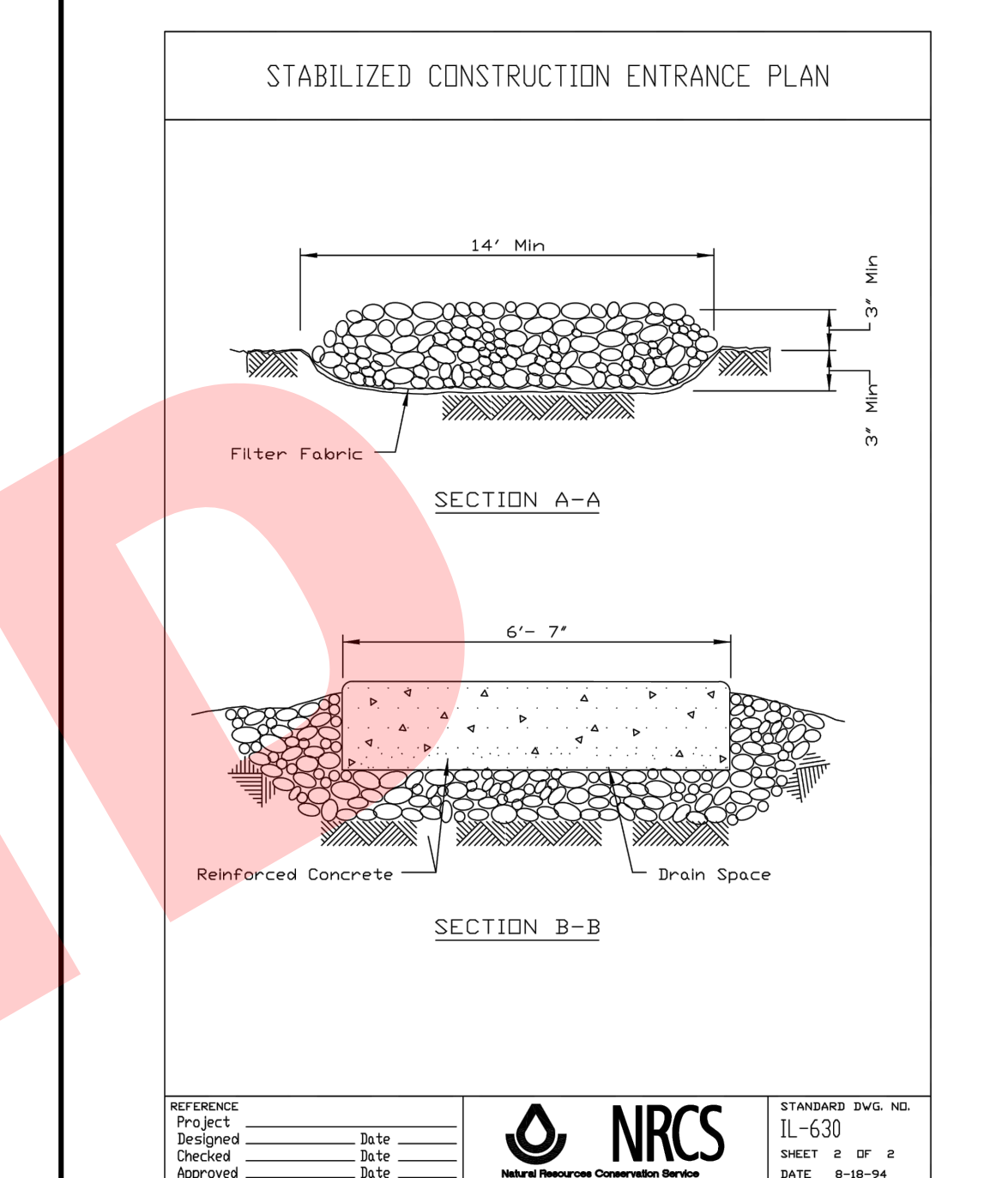
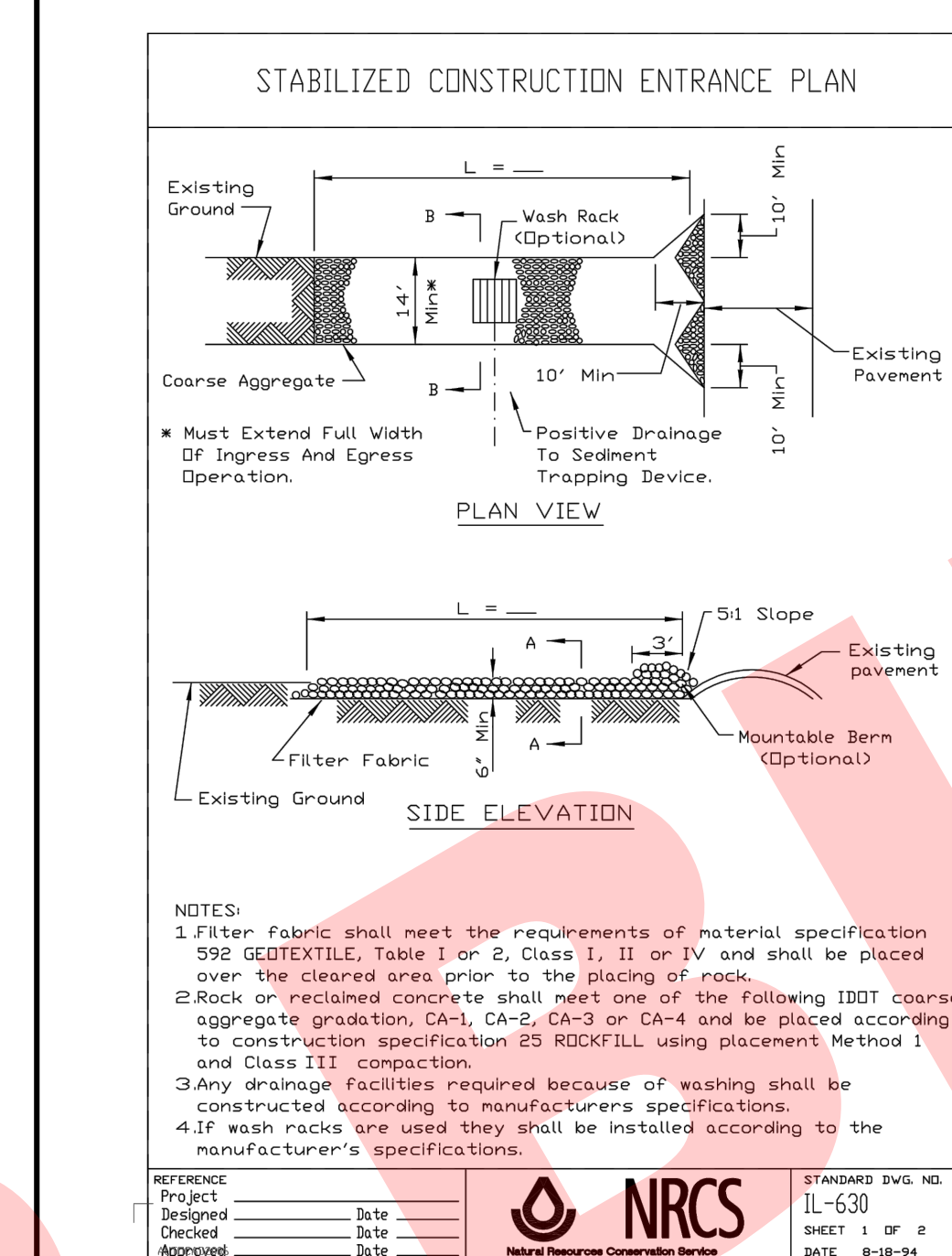
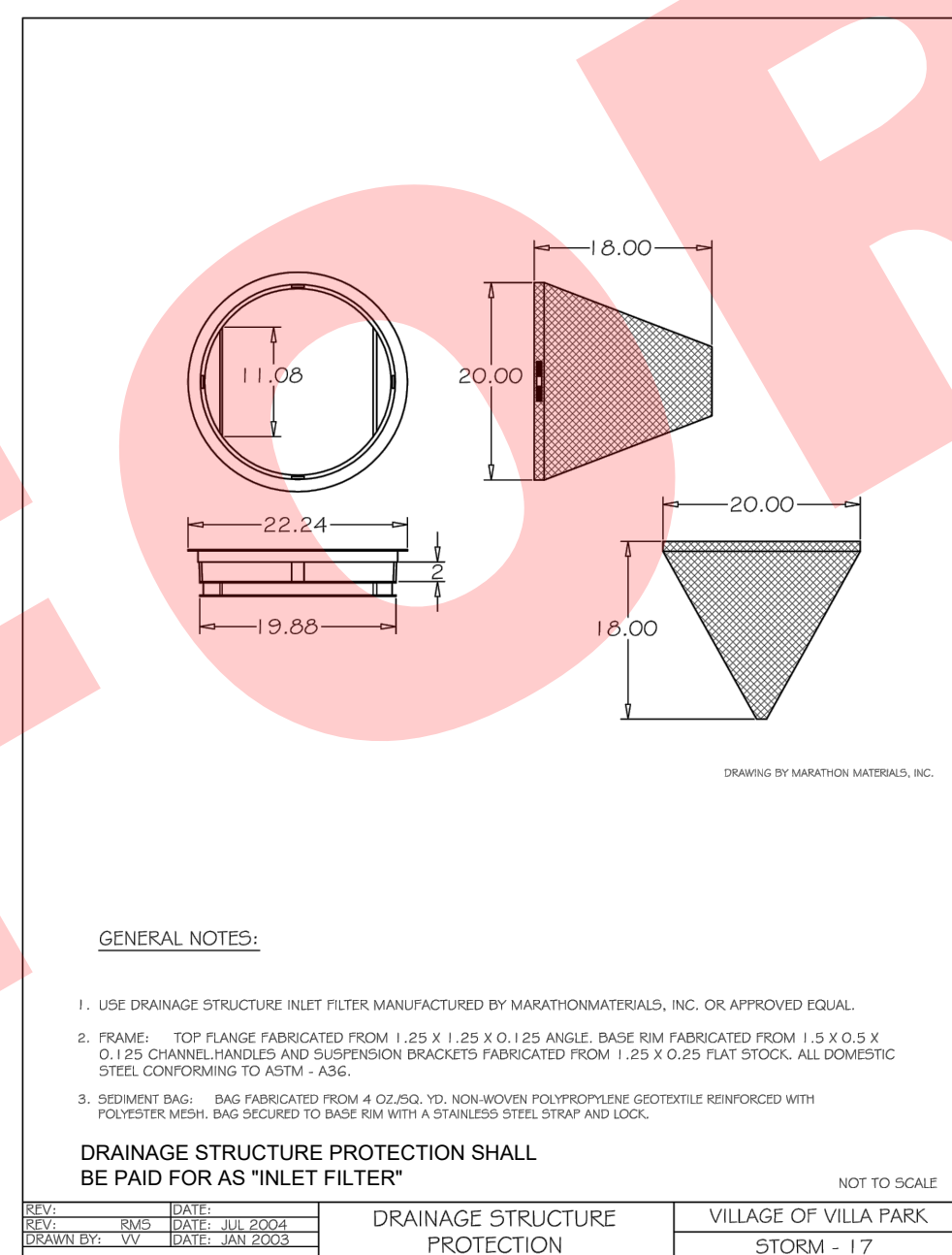
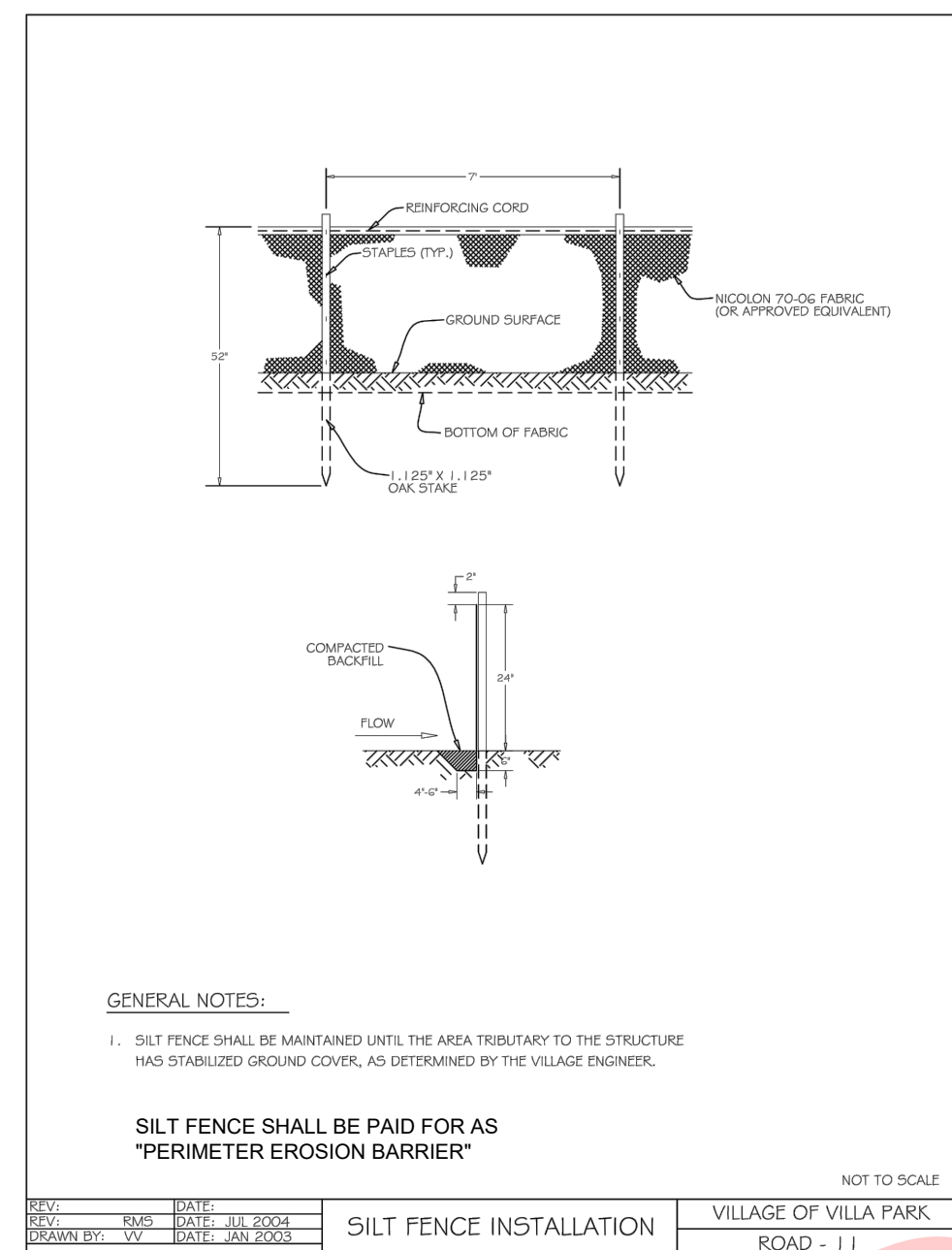
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE		20
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

VILLAGE OF VILLA PARK EROSION CONTROL NOTES

1. THE 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 DRAINAGE STRUCTURE PROTECTORS IN ALL STORM MANHOLES AND/OR INLETS PER DETAILS.
2. THE CONTRACTOR 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.
3. IF ADDITIONAL EROSION CONTROL MEASURES NOT SHOWN ON THE PLANS ARE REQUIRED TO STOP OR PREVENT EROSION OR ARE REQUIRED BY ANY AUTHORITY HAVING JURISDICTION IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL SUCH REQUIRED DEVICES AT NO ADDITIONAL COST TO THE VILLAGE.
4. SEE STANDARD VILLAGE OF VILLA PARK DETAILS FOR SILT FENCE AND DRAINAGE STRUCTURE PROTECTION REQUIREMENTS.
5. ALL STATE AND LOCAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION.
6. ALL SILT FENCE SHALL BE INSTALLED AND APPROVED BY THE VILLAGE OF VILLA PARK PRIOR TO CONSTRUCTION.
7. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE CONTRACTOR SHALL SURROUND ALL EARTH STOCKPILES WITH SILT FILTER FENCE AND SHALL BE PAID FOR AS PERIMETER EROSION BARRIER.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH VILLA PARK CODE AND ARTICLE VII OF THE DuPAGE COUNTY COUNTYWIDE STORM WATER AND FLOOD PLAIN ORDINANCE, EFFECTIVE SEPTEMBER 24, 1991 AND ALL SUBSEQUENT REVISIONS. ALL CONSTRUCTION ACTIVITIES WILL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMITS ILR10 AND ILR40.
3. ALL DISTURBED AREAS SHALL BE SEEDED OR SODDED AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE CONCLUDED. ALL ERODABLE/BARE AREAS SHALL BE SEEDED EVERY 7 DAYS WITH TEMPORARY EROSION CONTROL SEEDING. IF A TOPSOIL STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN THREE DAYS, EROSION CONTROL MEASURES WILL BE PROVIDED. COST OF THIS WORK SHALL BE INCIDENTAL TO PARKWAY RESTORATION.
4. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORMWATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 06-60.
5. AT THE END OF EACH WORK DAY, THE SITE SHALL BE GRADED TO MAINTAIN THE DRAINAGE PATTERN ESTABLISHED IN THE EROSION CONTROL PLAN. THIS WORK SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL ITEMS.
6. PERIMETER EROSION BARRIER SHALL BE PLACED ONE (1) FOOT INSIDE THE RIGHT-OF-WAY LINE AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
7. TREE PROTECTION SHALL CONSIST OF ITEMS "TEMPORARY FENCING" AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH ARTICLE 201.05 OF THE STANDARD SPECIFICATIONS. TEMPORARY FENCING SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED, NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
8. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
9. GRAVEL ROADS, ACCESS DRIVES, PARKING AREAS OF SUFFICIENT WIDTH AND LENGTH, AND VEHICLE WASH DOWN FACILITIES IF NECESSARY, SHALL BE PROVIDED TO PREVENT SOIL FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS.
10. EROSION CONTROL MEASURES AROUND PROPOSED INLETS AND CULVERTS SHALL BE CONSTRUCTED IMMEDIATELY AFTER THE DRAINAGE ITEMS ARE CONSTRUCTED.
11. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
12. ALL COMPLETED SLOPES SHALL BE RESTORED AS THE EXCAVATION PROCEEDS TO THE EXTENT CONSIDERED DESIRABLE AND PRACTICAL. PERMANENT SEEDING SHALL BE USED WHENEVER POSSIBLE. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR PROLONG FINAL GRADING AND SHAPING SO THAT THE ENTIRE PROJECT CAN BE PERMANENTLY SEEDED AT ONE TIME. COST OF THIS WORK SHALL BE INCIDENTAL TO PARKWAY RESTORATION.
13. ALL EXISTING INLETS AND PIPES WITHIN LIMITS OF CONSTRUCTION OR WHICH WILL RECEIVE RUNOFF FROM DISTURBED AREAS WILL BE PROTECTED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.
14. EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
15. THE COST OF REMOVING SEDIMENT OR REPAIRING EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.



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DRAWN	—	LEH	REVISED	—	—
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DATE	—	04-27-18	REVISED	—	—

JACKSON POND OVERFLOW PROJECT

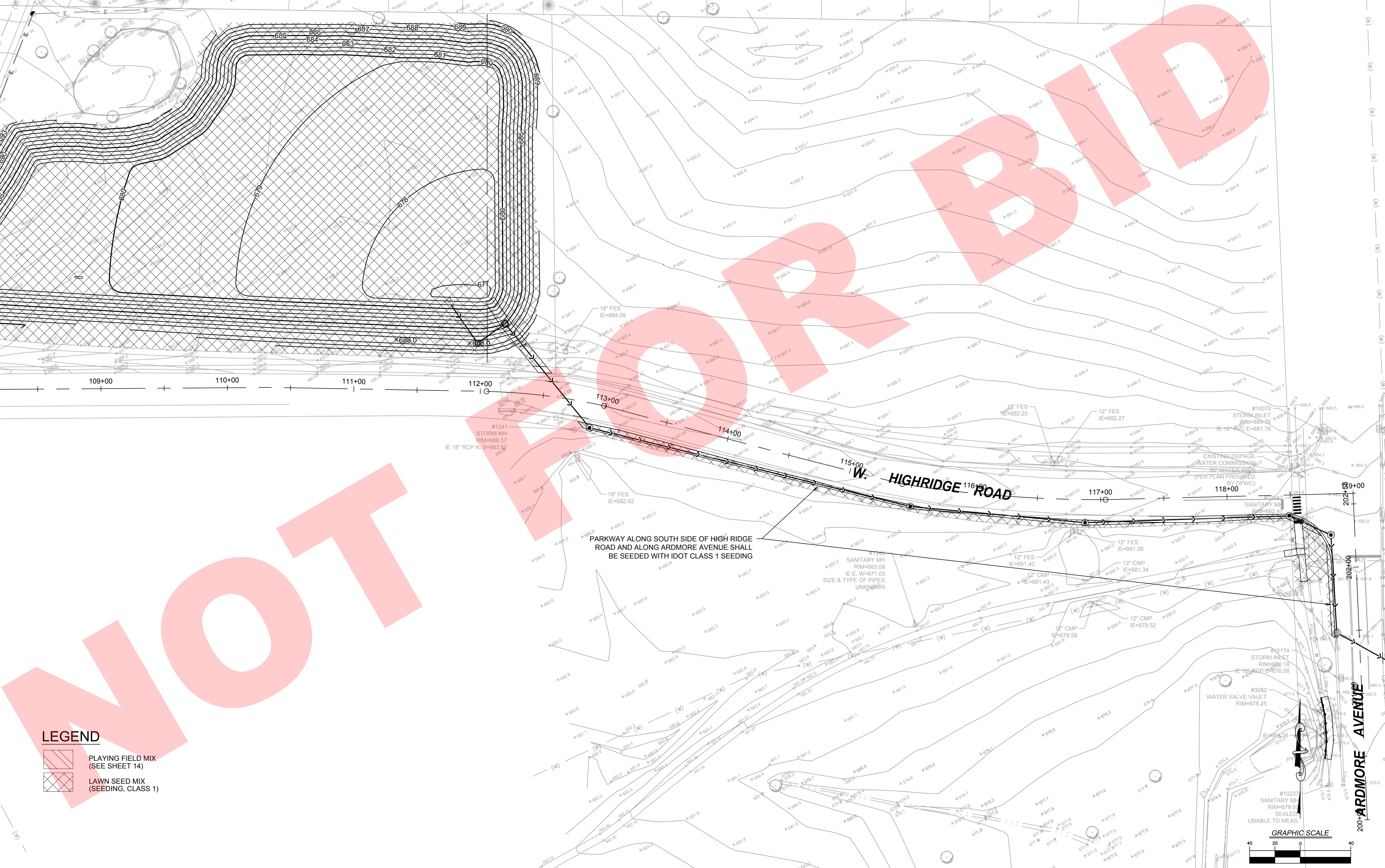
EROSION CONTROL NOTES AND DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	21	21
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

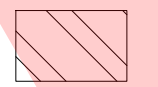

MATCH LINE SEE SHEET 23

SEE SHEET 23

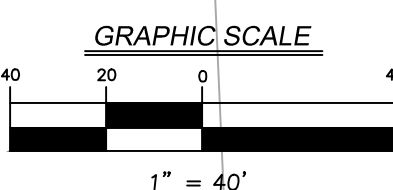
MATCH LINE



LEGEND

-  PLAYING FIELD MIX (SEE SHEET 14)
-  LAWN SEED MIX (SEEDING, CLASS 1)

PARKWAY ALONG SOUTH SIDE OF HIGH RIDGE ROAD AND ALONG ARDMORE AVENUE SHALL BE SEEDED WITH IDOT CLASS 1 SEEDING



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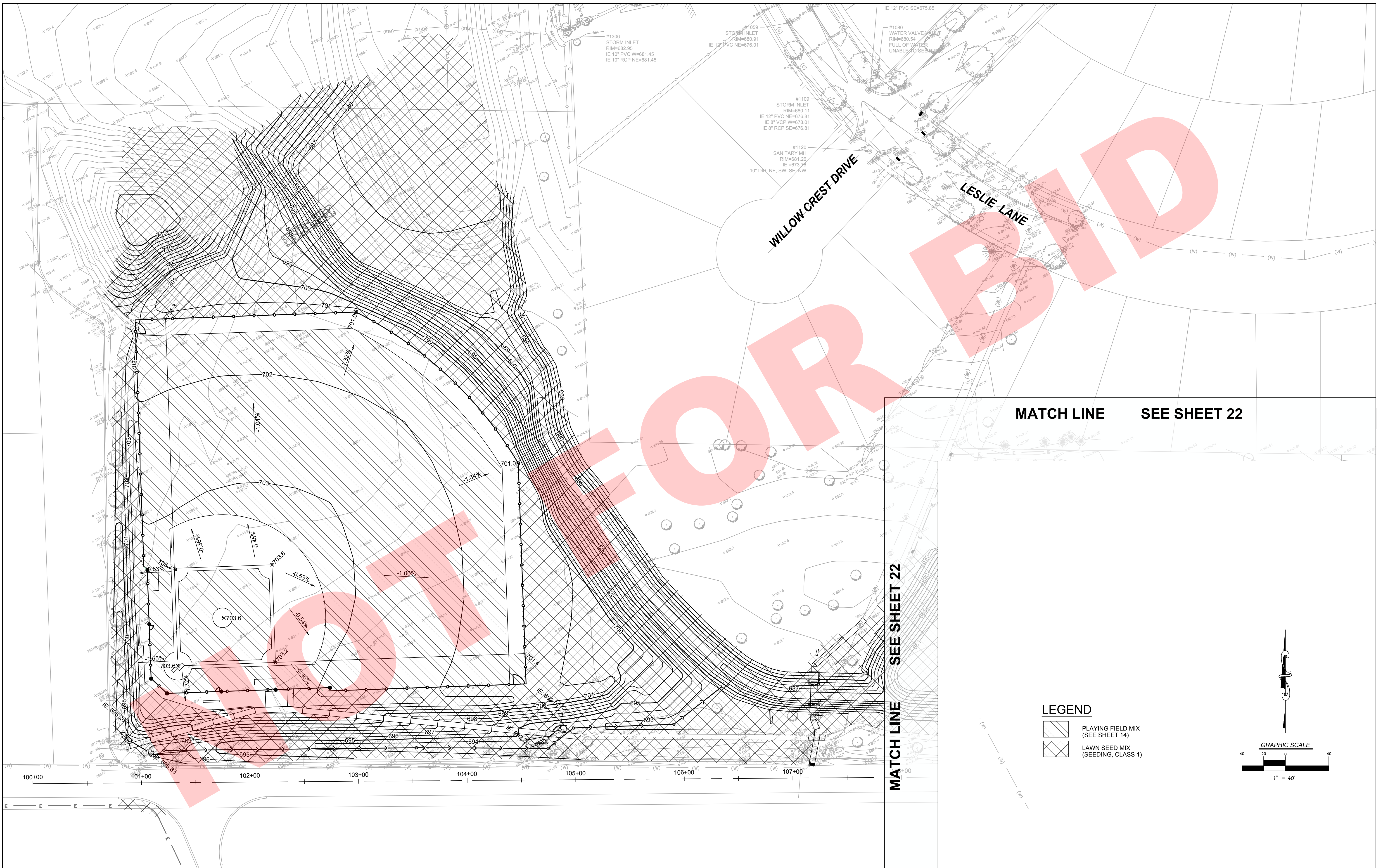
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PLOT DATE =	

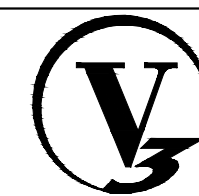
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DRAWN — LEH	REVISED —
CHECKED — DLM	REVISED —
DATE — 04-27-18	REVISED —

JACKSON POND OVERFLOW PROJECT

LANDSCAPING PLAN — AREA 1

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE		22
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				




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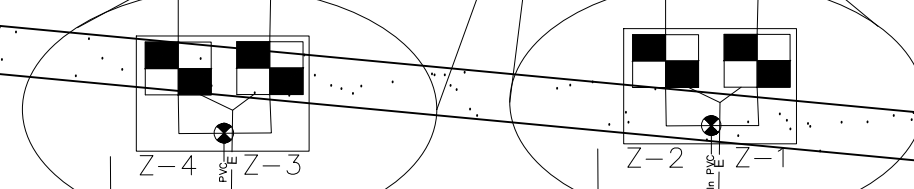
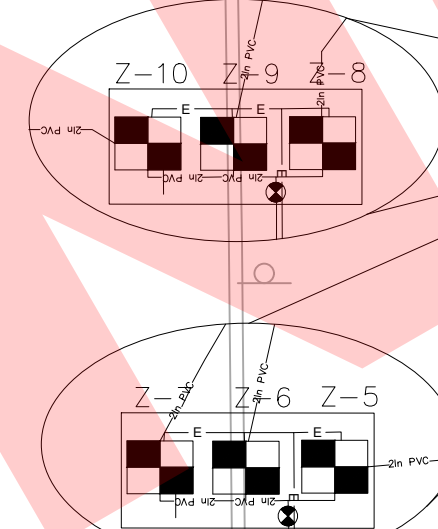
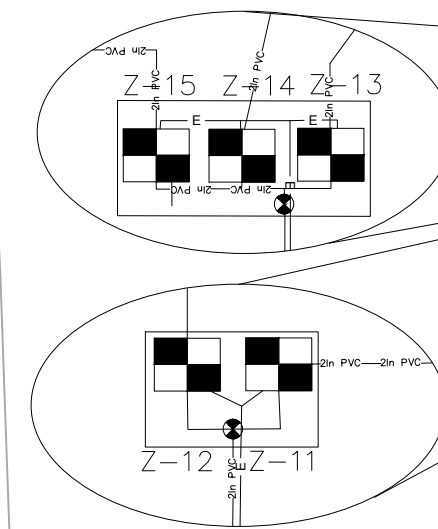
DESIGNED — CWH
 DRAWN — LEH
 CHECKED — DLM
 DATE — 04-27-18

REVISED —
 REVISED —
 REVISED —
 REVISED —

JACKSON POND OVERFLOW PROJECT

LANDSCAPING PLAN — AREA 2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE		23
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



LEGEND

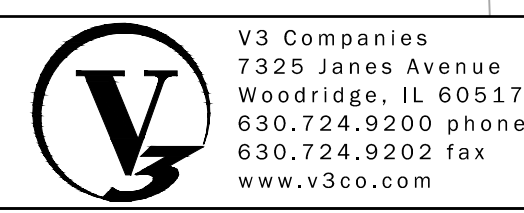
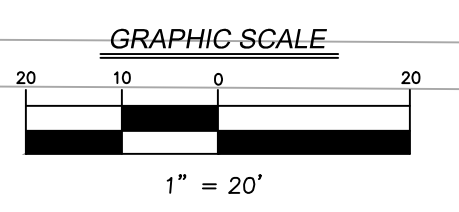
2" PVC SDR-21 PIPE	
1" POLYETHYLENE PIPE	
1.5" POLYETHYLENE PIPE	
CONTROL WIRE FOR IRRIGATION	
VALVE BOX (12"x18" or 18"x18")	
VALVE BOX (10" ROUND)	
MANUAL SHUT OFF VALVE	
HUNTER ICV VALVE	
1" QUICK COUPLER IN 10" ROUND BOX	
CONTROLLER	
ROTOR HEAD NOZZLE SIZE	
HUNTER ROTOT I-20 OR I-40, 0 - 180°	
HUNTER ROTOR I-20 OR I-40, 360°	

NOTE:
 CONTRACTOR TO INSTALL 2" PVC PIPE FROM THE 2" MAINLINE TO THE 2" MANUAL SHUTOFF AND ZONE VALVE. FROM THE ZONE VALVE TO THE FIRST HEAD ON ALL LATERALS SHALL BE 2" PVC PIPE. FROM THE FIRST HEAD TO THE LAST HEAD ON ALL LATERALS THE CONTRACTOR IS TO PROVIDE THE APPROPRIATE PIPE SIZE TO ALLOW THE LAST HEAD ON THE LATERAL TO RUN AT AN OPTIMUM CONDITION. CONTRACTOR TO PROVIDE SHOP DRAWINGS TO THE ENGINEER FOR REVIEW.

EC T

SEE ELETRICAL PLAN FOR ELECTRICAL SERVICE FOR IRRIGATION CONTROLLER AND PUMP

CONNECT 2" WATER LINE TO EXISTING WATERMAIN



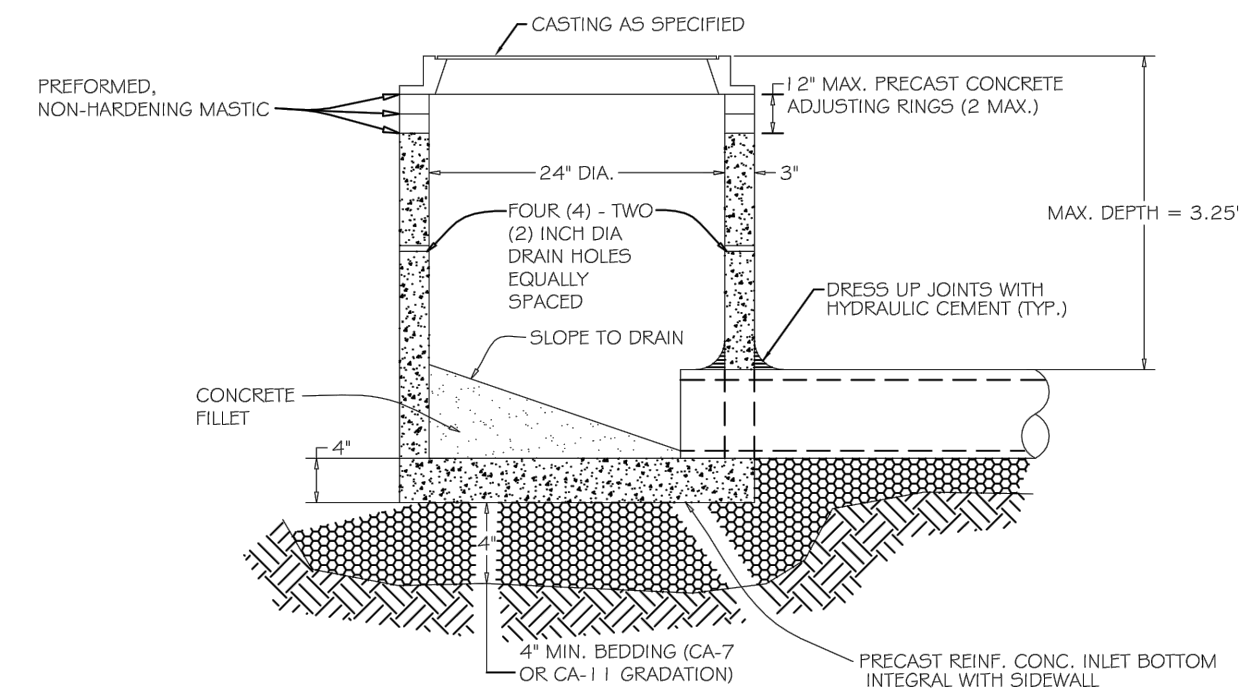
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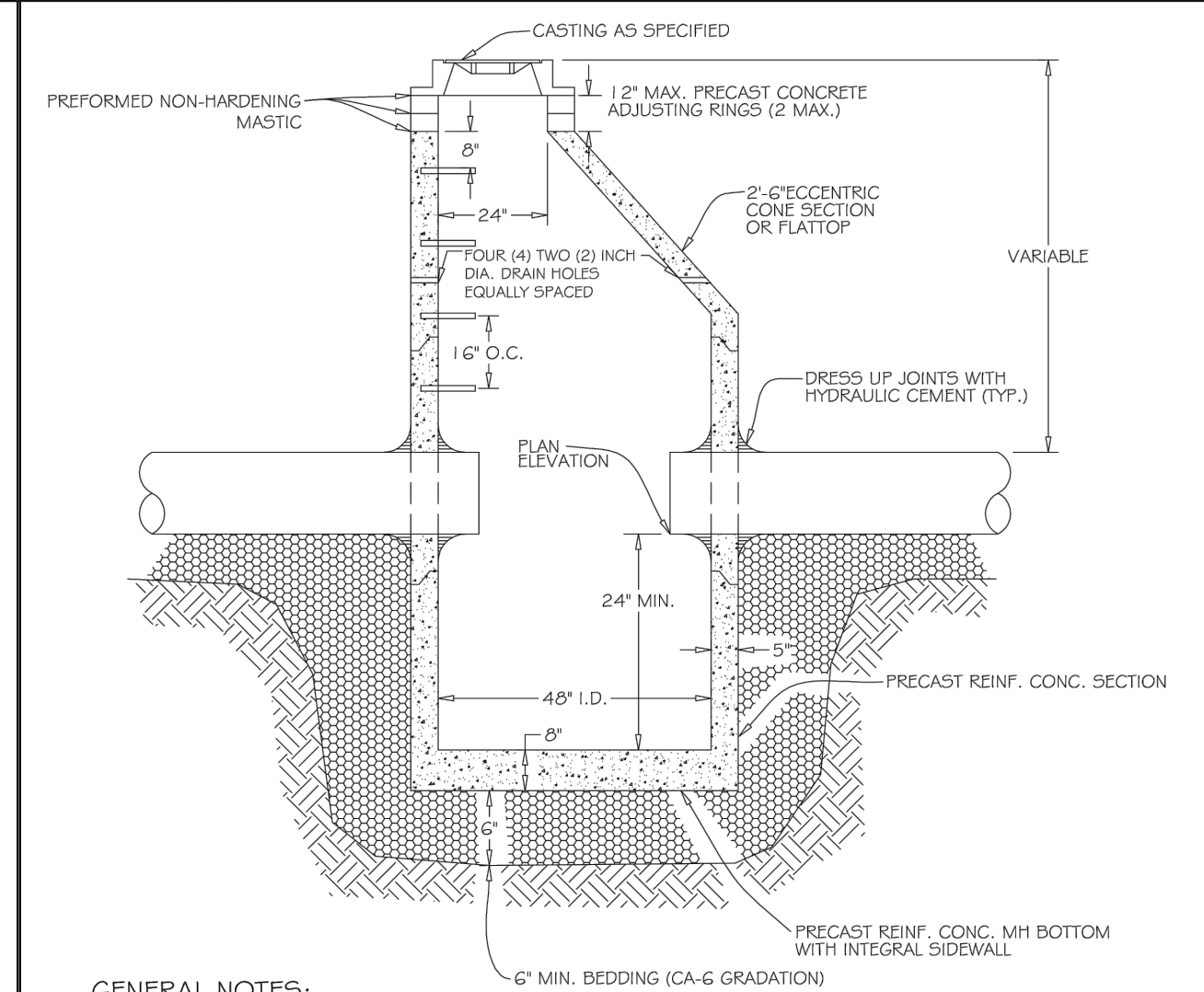
JACKSON POND OVERFLOW PROJECT

IRRIGATION PLAN — BASEBALL FIELD

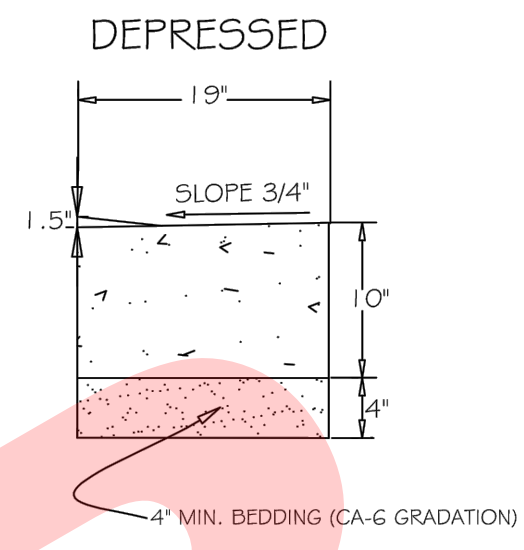
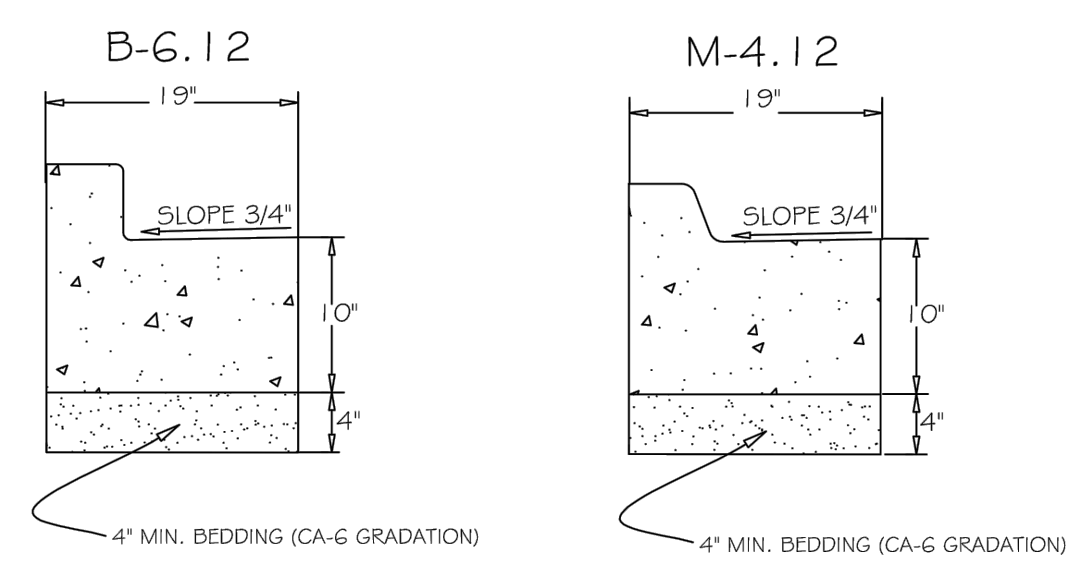
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	24	24
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
 2. PROVIDE GRANULAR BACKFILL AROUND INLET TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION.)
 3. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. THE RINGS AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK, EZ STICK OR APPROVED EQUAL).
 4. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF TWO INCHES.
 5. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
 6. IN PAVED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
 7. IN GRASSED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

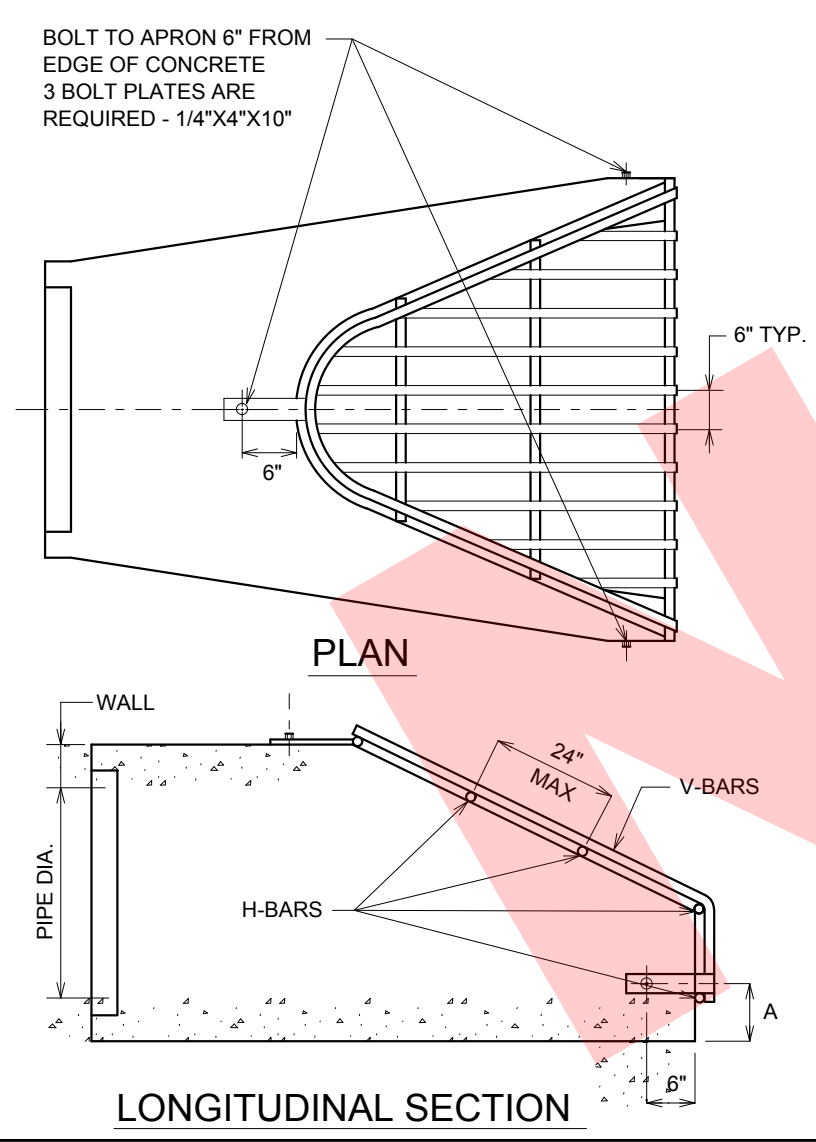


- GENERAL NOTES:**
1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTIONS. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
 2. PROVIDE GRANULAR BACKFILL AROUND CATCHBASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" FOR COARSE AGGREGATE (CA-6 GRADATION.)
 3. APPLY A CONTINUOUS LAYER OF NON-HARDENING PREFORMED BITUMINOUS MASTIC MATERIAL (RUB-R-NEK OR E Z STICK) TO EACH JOINT TO PREVENT INFLOW.
 4. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. THE RINGS AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK, EZ STICK OR APPROVED EQUAL).
 5. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF TWO INCHES.
 6. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
 7. ONLY PLASTIC POLYMER STEPS SHALL BE USED.
 8. WHEN CATCHBASIN DEPTH IS OVER 12 FEET, THE THICKNESS OF THE PRECAST, REINFORCED CONCRETE BASE SHALL BE A MINIMUM OF 10 INCHES. WHEN CATCHBASIN DEPTH IS LESS THAN 12 FEET, THE THICKNESS SHALL BE A MINIMUM OF 8 INCHES.
 9. DRESS UP INTERIOR JOINTS OF PRECAST CATCHBASIN AND OPENINGS AROUND THE PIPES WITH HYDRAULIC CEMENT.
 10. IN PAVED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
 11. IN GRASSED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.



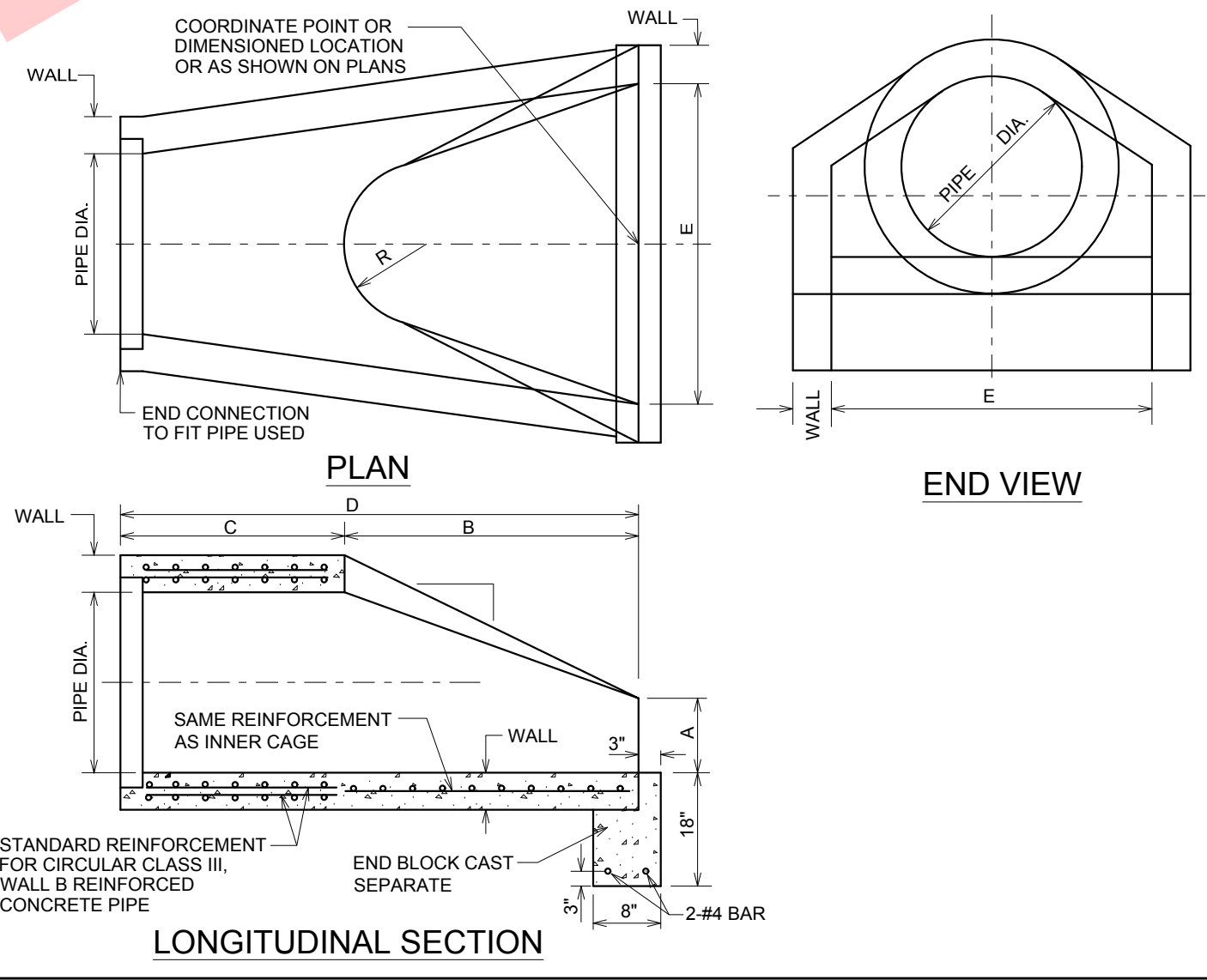
- GENERAL NOTES:**
1. CONTRACTION JOINTS SHALL BE PLACED BETWEEN EXPANSION JOINTS AT 15' INTERVALS.
 2. EXPANSION JOINTS ARE TO BE PLACED AT 60' INTERVALS. 2-#6 X 18" REBAR TO BE PLACED AT ALL EXPANSION JOINTS.

REV: _____ DATE: _____	INLET TYPE "A"	VILLAGE OF VILLA PARK	REV: _____ DATE: _____	CATCH BASIN TYPE "A"	VILLAGE OF VILLA PARK	REV: _____ DATE: _____	COMBINATION CONCRETE CURB AND GUTTER	VILLAGE OF VILLA PARK
REV: RMS DATE: JUL 2004		STORM - 15	REV: RMS DATE: JUL 2004		STORM - 16	REV: RMS DATE: JUL 2004		ROAD - 02
DRAWN BY: VV DATE: JAN 2003			DRAWN BY: VV DATE: JAN 2003			DRAWN BY: VV DATE: JAN 2003		



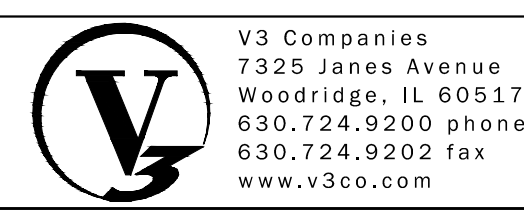
- NOTES:**
1. BARS AND PLATES ARE HOT-ROLLED STEEL.
 2. BARS, PLATES AND PIPE ARE FINISHED WITH 2 COATS OF ALUMINUM PAINT.
 3. BOLTS ARE GALVANIZED.

ROUND PIPE APRONS	APRON SIZE	V-BAR SIZE	H-BAR SIZE	NO. OF H-BARS REQ'D	BOLT DIA	"A" DIM
	INCHES	INCHES	INCHES		INCHES	INCHES
12	1/2 DIA	5/8 DIA	3	1/2	4	
15	1/2 DIA	5/8 DIA	3	1/2	4 1/2	
18	1/2 DIA	5/8 DIA	4	1/2	4 1/2	
21	1/2 DIA	5/8 DIA	4	1/2	5	
24	5/8 DIA	3/4 DIA	4	1/2	5	
27	5/8 DIA	3/4 DIA	4	1/2	5 1/2	
30	5/8 DIA	3/4 DIA	4	1/2	5 1/2	
36	3/4 DIA	1 DIA	4	3/4	8	
42	3/4 DIA	1 DIA	4	3/4	8	
48	3/4 DIA	1 DIA	5	3/4	8	
54	3/4 DIA	1 1/2 PIPE	5	3/4	8	
60	3/4 DIA	1 1/2 PIPE	5	3/4	8	
66	3/4 DIA	1 1/2 PIPE	6	3/4	8	
72	3/4 DIA	1 1/2 PIPE	6	3/4	9	
84	3/4 DIA	1 1/2 PIPE	7	3/4	10	
90	3/4 DIA	1 1/2 PIPE	7	3/4	14	



PIPE DIA.	WALL	A	B	C	D	E	R	SLOPE
12"	2"	4"	2'-0"	4'-0 7/8"	6'-0 7/8"	2'-0"	9"	3:1
15"	2 1/4"	6"	2'-3"	3'-10"	6'-1"	2'-6"	11"	3:1
18"	2 1/2"	9"	2'-3"	3'-10"	6'-1"	3'-0"	12"	3:1
21"	3 1/4"	9"	2'-11"	3'-2"	6'-1"	3'-6"	13"	3:1
24"	3"	1 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	14"	3:1
27"	3 1/4"	10 1/2"	4'-0"	26 1/2"	6'-1 1/2"	4'-6"	14 1/2"	3:1
30"	3 1/2"	12"	4'-6"	19 3/4"	6'-1 3/4"	5'-0"	15"	3:1
33"	3 3/4"	13 1/2"	4'-10 1/2"	38 1/4"	8'-1 3/4"	5'-6"	17 1/2"	3:1
36"	4"	15"	5'-3"	34 3/4"	8'-1 3/4"	6'-0"	20"	3:1
42"	4 1/2"	21"	5'-3"	35"	8'-2"	6'-6"	22"	3:1
48"	5"	24"	6'-0"	26"	8'-2"	7'-0"	22"	3:1
54"	5 1/2"	27"	5'-5"	35"	8'-4"	7'-6"	24"	2.4:1
60"	6"	35"	5'-0"	39"	8'-3"	8'-0"	*	2:1
66"	6 1/2"	30"	6'-0"	27"	8'-3"	8'-6"	*	2:1
72"	7"	36"	6'-6"	21"	8'-3"	9'-0"	*	2.26:1
78"	7 1/2"	36"	7'-6"	21"	9'-3"	9'-6"	*	2.12:1
84"	8"	36"	7'-6 1/2"	21"	9'-3 1/2"	10'-0"	*	1.94:1

- * RADIUS AS FURNISHED BY MANUFACTURER
- NOTES:**
1. PRECAST CONCRETE FLARED END SECTION SHALL CONFORM TO THE APPLICABLE REQUIREMENTS OF AASHTO M-170 CLASS III, WALL B REINFORCED CONCRETE PIPE.
 2. LENGTHS OF PIPE WHICH TERMINATE WITH A FLARED END SECTION INCLUDE THE LENGTH OF THE FLARED END SECTION.



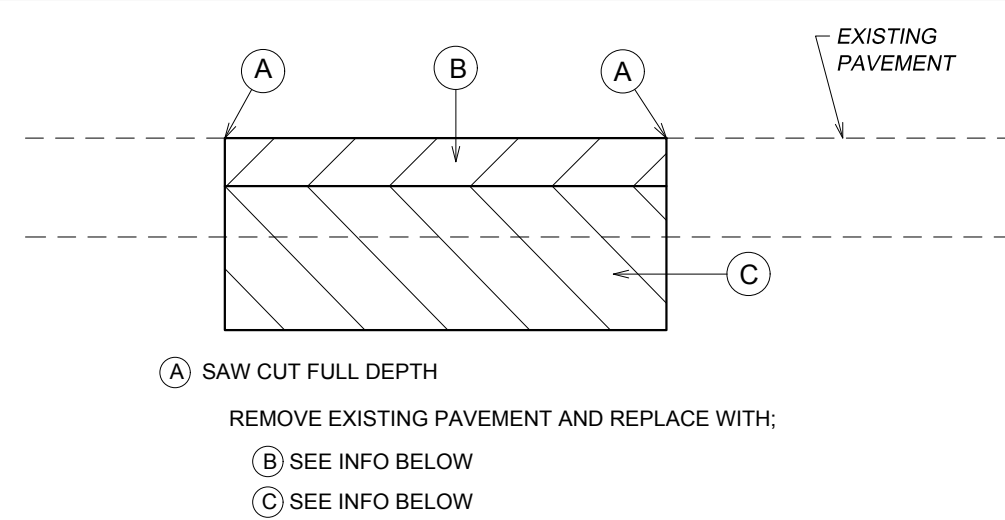
V3 Companies
 7325 James Avenue
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 630.724.9200 phone
 630.724.9202 fax
 www.v3co.com

DESIGNED — CWH	REVISED —
DRAWN — LEH	REVISED —
CHECKED — DLM	REVISED —
DATE — 04-27-18	REVISED —

JACKSON POND OVERFLOW PROJECT

CONSTRUCTION DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE		25
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



HIGH RIDGE
 EXISTING CROSS SECTION:
 4" OF HMA ON 12" OF FDR BASE.

PROPOSED PAVEMENT SECTION:
 HMA SURFACE COURSE, MIX "D", N50 - 4" (2 LIFTS)
 PORTLAND CEMENT CONCRETE BASE COURSE - 12"
 AGGREGATE BASE COURSE, TYPE B - 6"

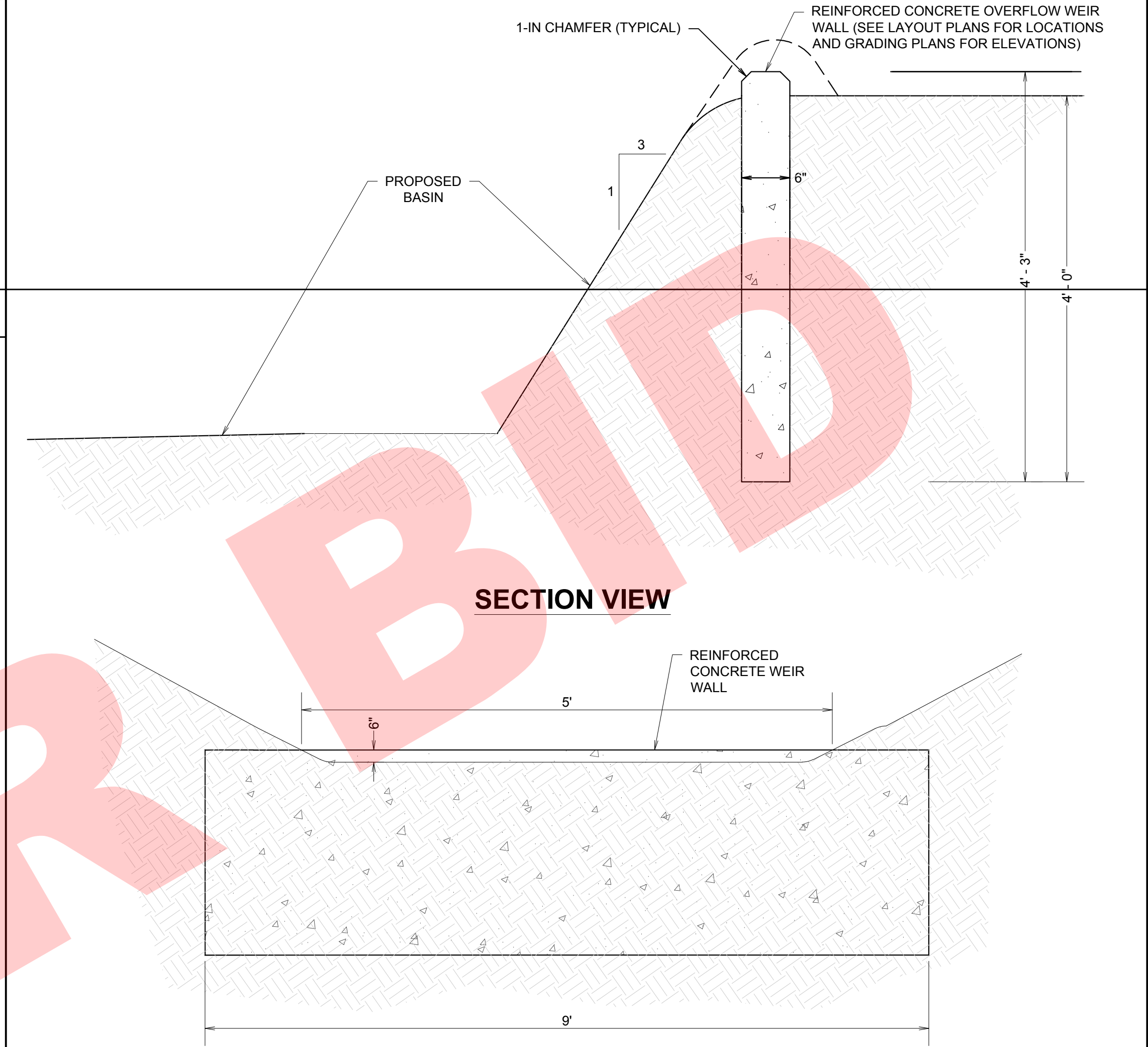
ARDMORE
 EXISTING CROSS SECTION:
 5" OF HMA ON 6" OF PCC BASE.

PROPOSED PAVEMENT SECTION:
 HMA SURFACE COURSE, MIX "D", N50 - 4" (2 LIFTS)
 PORTLAND CEMENT CONCRETE BASE COURSE - 7"
 AGGREGATE BASE COURSE, TYPE B - 6"

HOT-MIX ASPHALT NOTES

- UNIT WEIGHT USED TO CALCULATE MOST HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YDIN.
- THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC-TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISION.

HOT-MIX ASPHALT REQUIREMENTS	
MIXTURE TYPE	VOIDS
ARDMORE AND HIGHRIIDGE	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm) 2" (2 LIFTS - 4" TOTAL)	4% @ 50 GYR.

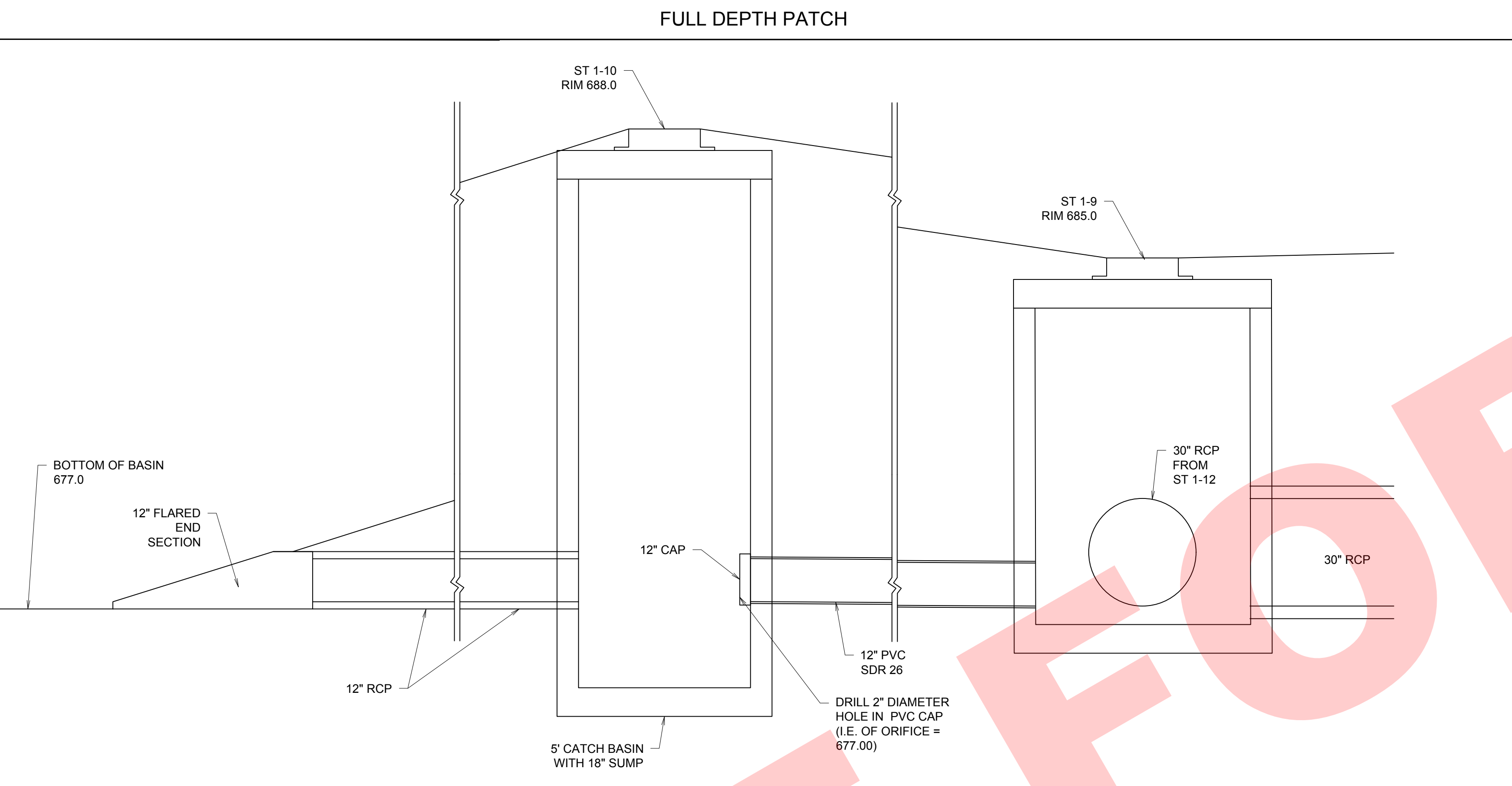


SECTION VIEW

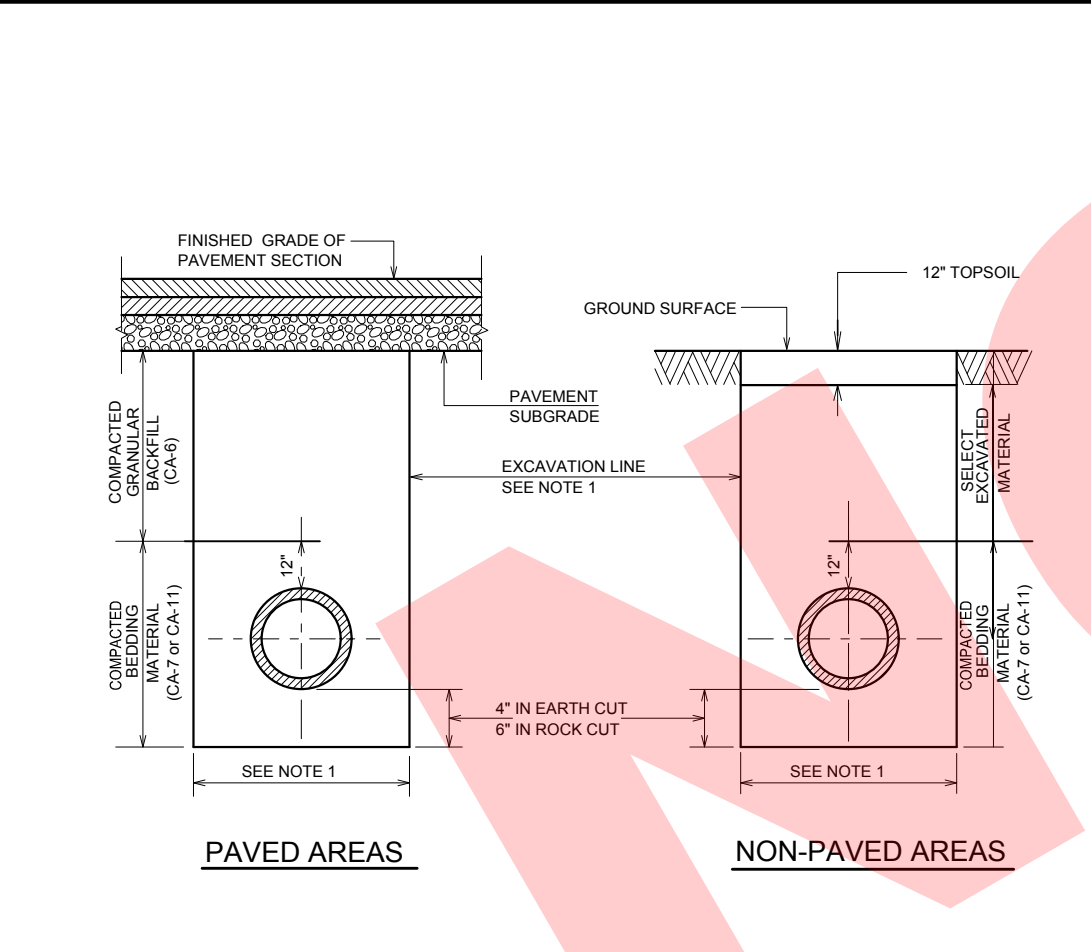
SECTION VIEW

NOTES:

- WEIR WALL SHALL BE CONSTRUCTED TO AN ELEVATION WITHIN 0.01' OF SPECIFIED ELEVATION.
- WEIR WALL SHALL BE REINFORCED WITH #4 BARS SPACED 12" O.C. BOTH VERTICALLY AND HORIZONTALLY, CENTERED WITHIN THE 6" THICK WEIR WALL. HORIZONTAL AND VERTICAL BARS SHALL BE TIED TOGETHER. REINFORCEMENT SHALL BE A MINIMUM OF 2-INCHES AWAY FROM THE EDGE OF THE CONCRETE.



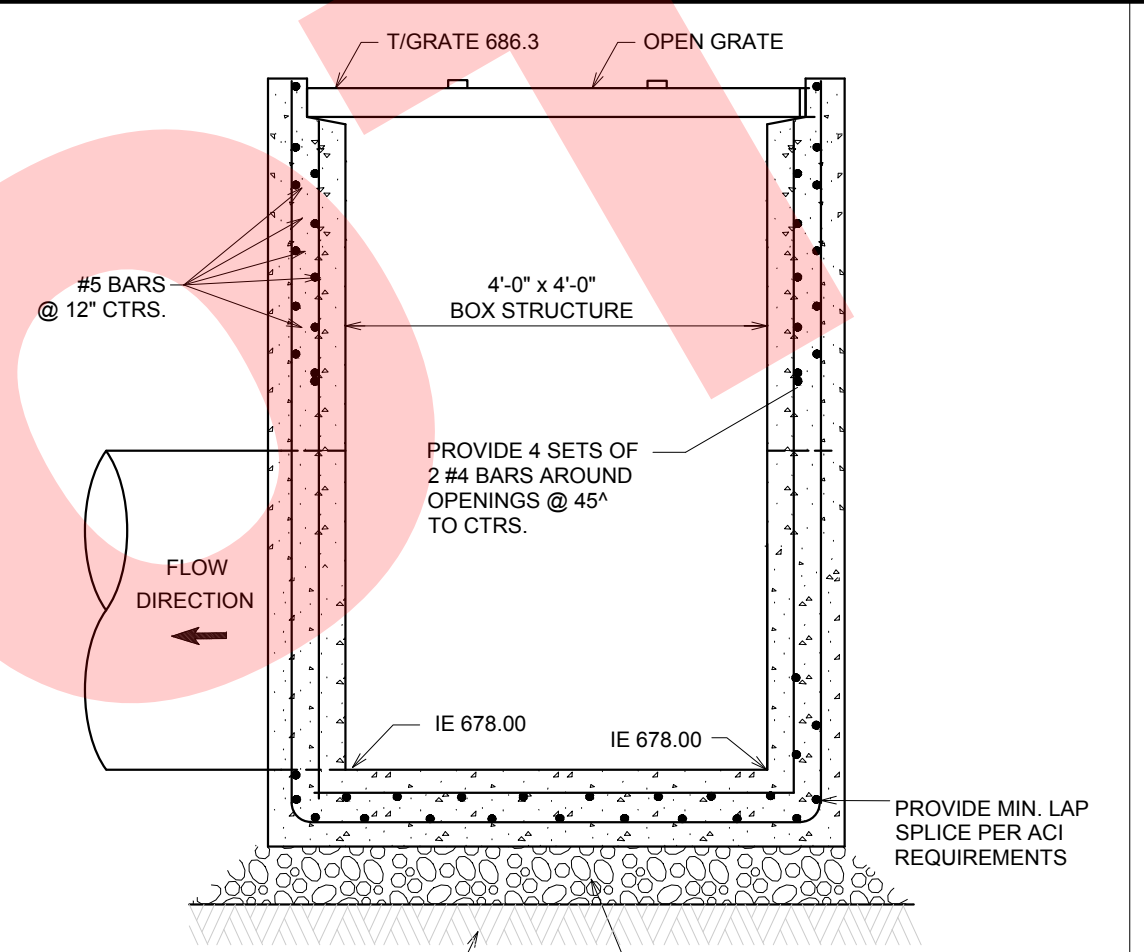
FULL DEPTH PATCH



NOTES:

- EXCAVATION LINE: PIPE SIZES UP TO AND INCLUDING 24" USE I.D. PLUS 20" PIPE SIZES OVER 24" USE O.D. PLUS 24"
- LIFTS OF TRENCH BACKFILL SHALL EXTEND 2' OUTSIDE ALL PAVED AREAS.

TRENCH BACKFILL SECTIONS FOR STORM SEWER



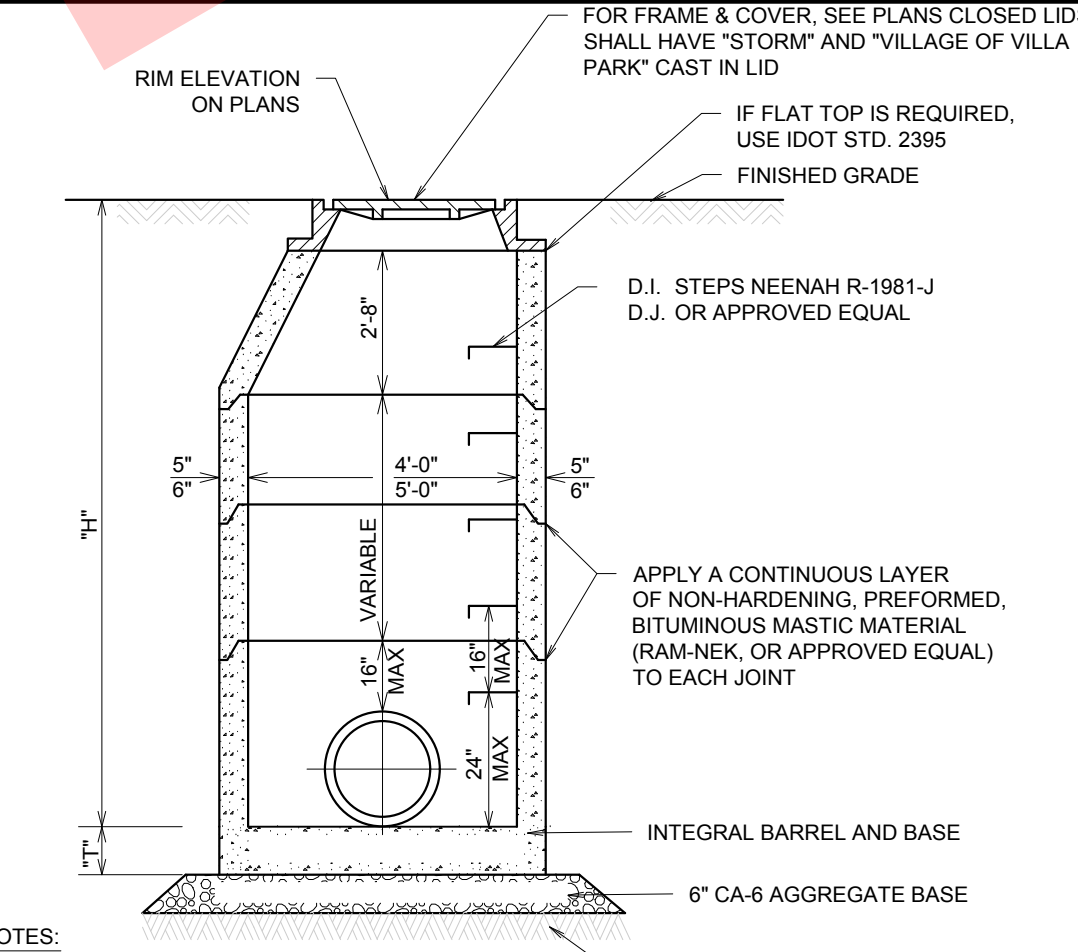
SECTION A-A

PROVIDE 4 SETS OF 2 #4 BARS AROUND OPENINGS @ 45° TO CTRS.

PROVIDE MIN. LAP SPLICE PER ACI REQUIREMENTS

SUBGRADE COMPACTED TO 95% MODIFIED PROCTOR DENSITY

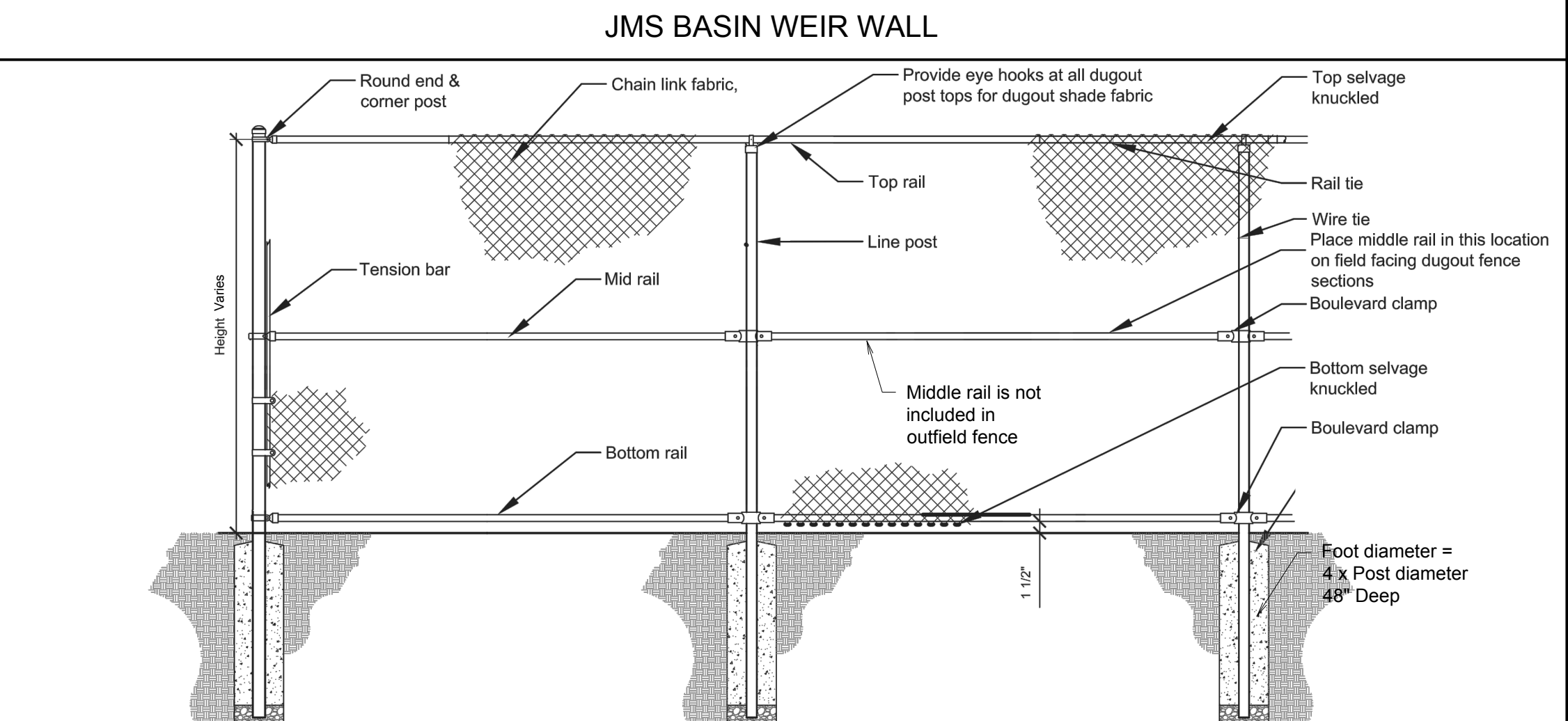
4' BY 4' BOX STRUCTURE



NOTES:

- WHEN "H" EQUALS 12 FT. OR LESS, "T" = 8" FOR "H" OVER 12 FT. "T" = 10"
- ADJUSTMENTS TO ELEVATION OF FRAME SHALL BE ACCOMPLISHED WITH PRECAST CONCRETE RINGS WITH A FULL MORTAR BED, MAXIMUM ADJUSTMENT - 12" USING A MAXIMUM OF 2 RINGS. NO MORE THAN ONE - 2" ADJUSTMENT RING SHALL BE USED.
- FOR COORDINATE LOCATION SEE NOTES FOR 2' DIA. INLET DETAIL - TYPE A
- THE FLAT SLAB TOP MAY BE USED IN LIEU OF THE TAPERED TOPS AT THE OPTION OF THE CONTRACTOR OR WHEN FIELD CONDITIONS PROHIBIT THE USE OF TAPERED TOPS.

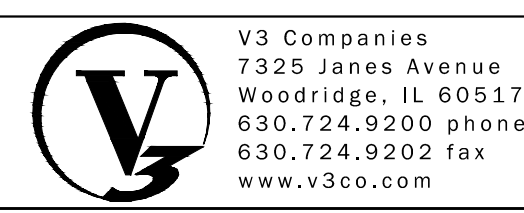
4' AND 5' DIA. STORM MANHOLE



JMS BASIN WEIR WALL

NOTE: FENCE DETAIL PROVIDED BY PEERLESS FENCE. CONTRACTOR MAY CHOOSE TO USE APPROVED EQUAL FOR FENCING.

DUGOUT AND OUTFIELD FENCE DETAIL

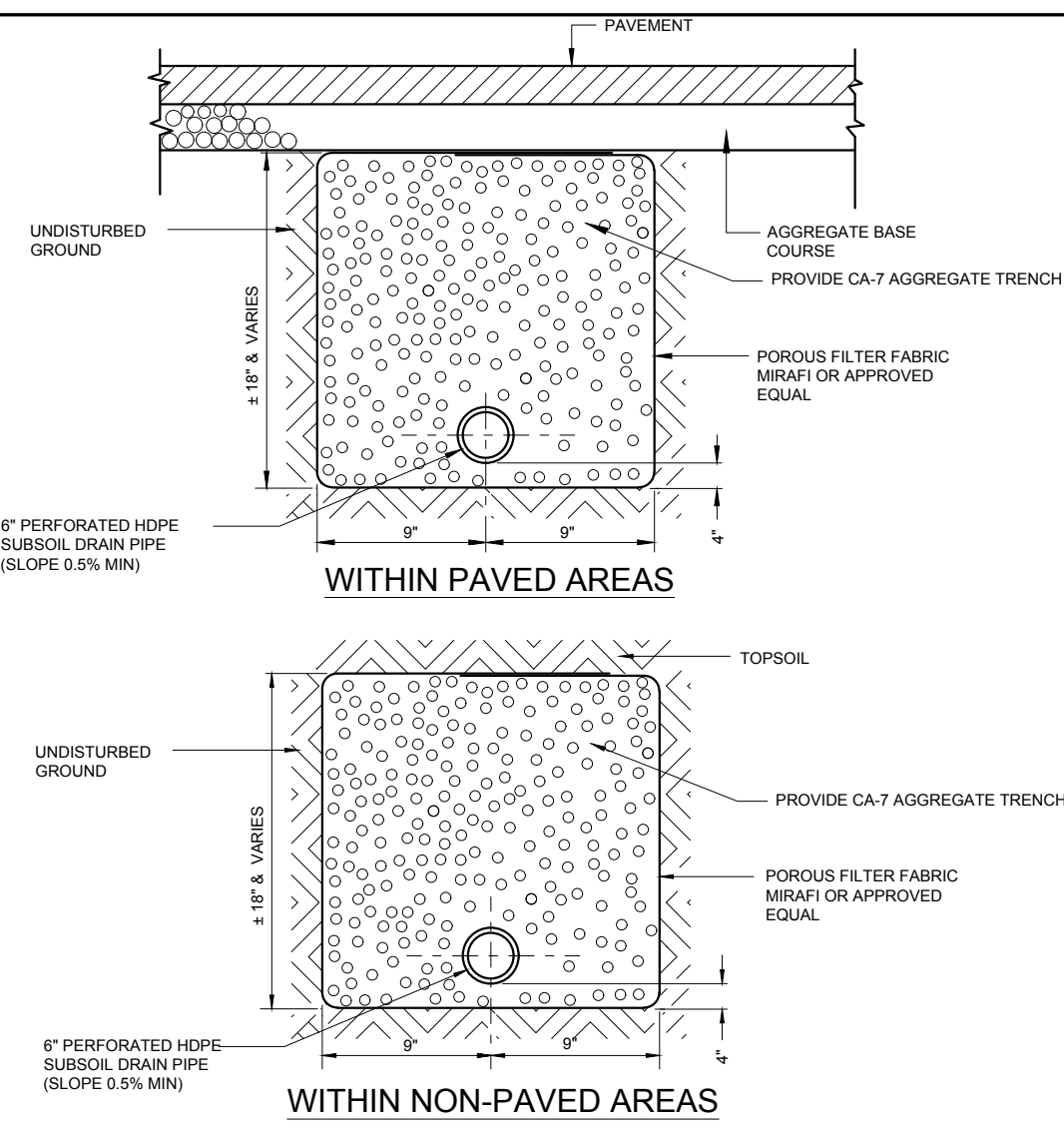


DESIGNED	— CWH	REVISED	—
DRAWN	— LEH	REVISED	—
CHECKED	— DLM	REVISED	—
DATE	— 04-27-18	REVISED	—

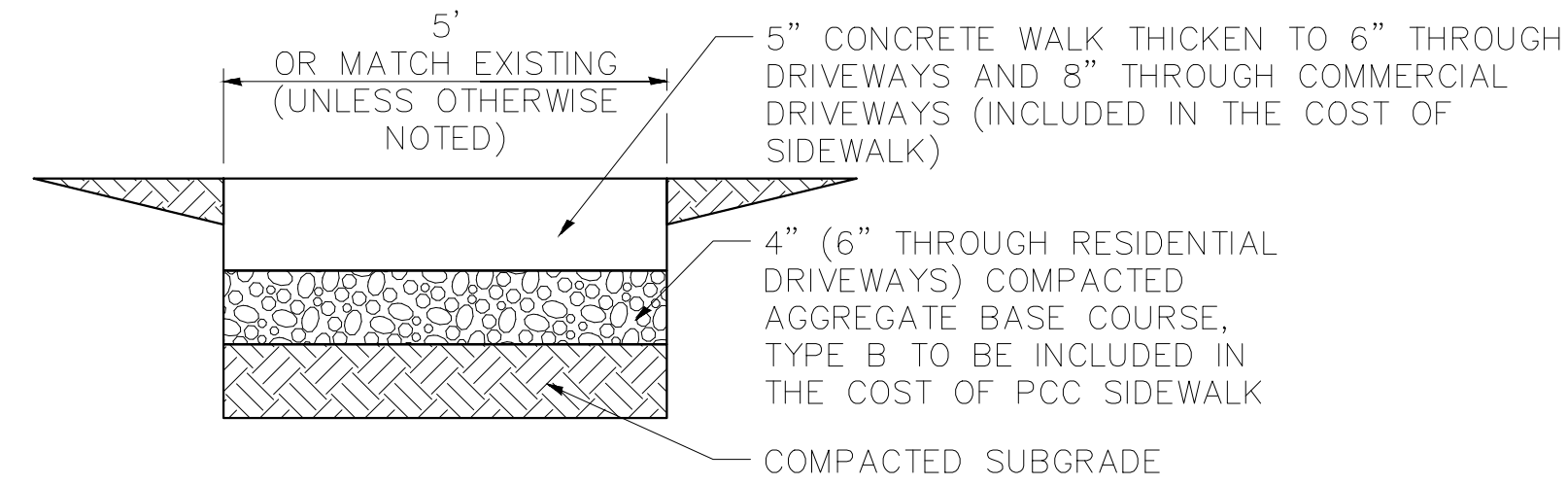
JACKSON POND OVERFLOW PROJECT

CONSTRUCTION DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	26	26
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

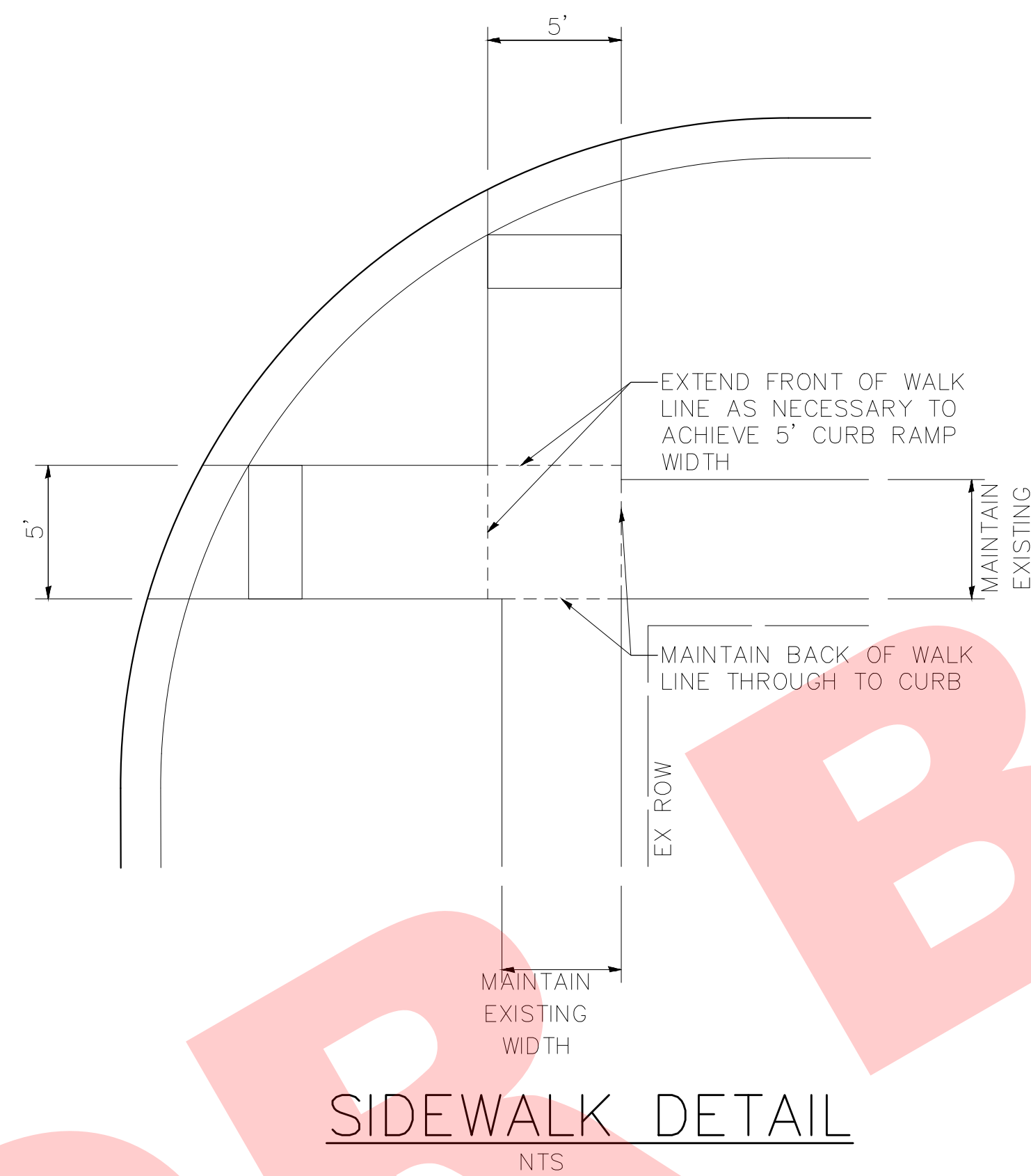


UNDERDRAIN DETAIL



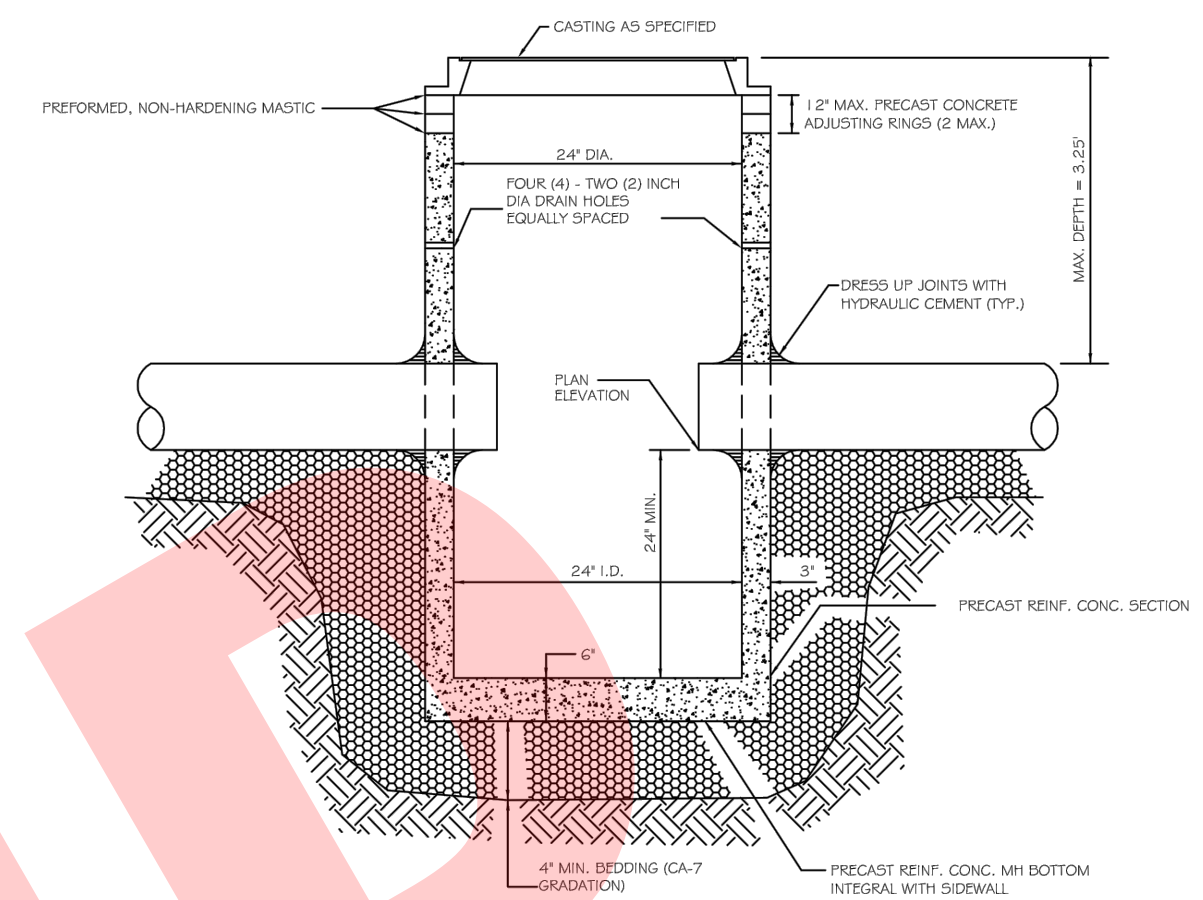
NOTE: PROVIDE FIBER EXPANSION JOINTS WHERE NEW SIDEWALK MEETS EXISTING @ 50' O.C. MAX. AND PROVIDED CONTROL JOINTS @ 5' O.C.

P.C.C. SIDEWALK - 5"



SIDEWALK DETAIL

NTS

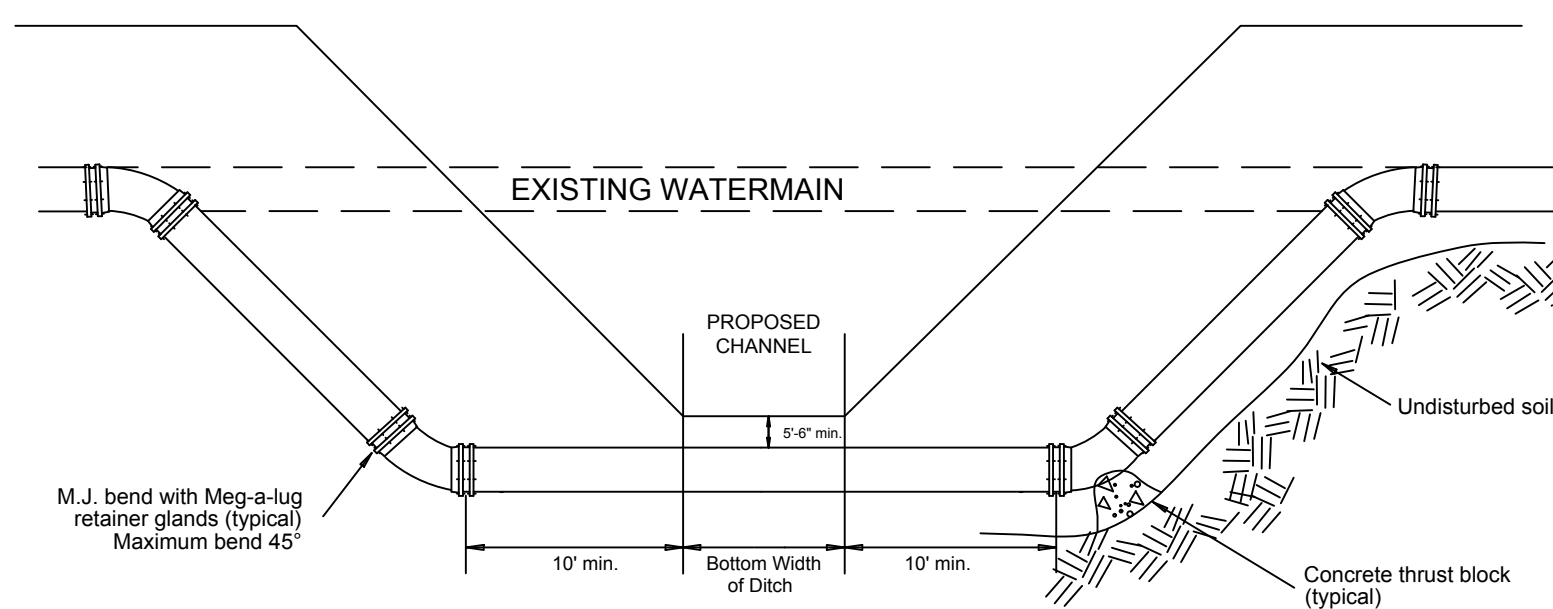


GENERAL NOTES:

1. PROVIDE PRECAST REINFORCED CONCRETE BARREL AND RISER SECTION. CONCRETE BLOCK CONSTRUCTION IS NOT PERMITTED.
2. PROVIDE GRANULAR BACKFILL AROUND CATCH BASIN TO SUBGRADE ELEVATION IN PAVED AREAS. MATERIAL SHALL MEET THE REQUIREMENTS OF IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION FOR COARSE AGGREGATE (CA-G GRADATION.)
3. WHEN THE FRAME DOES NOT MEET PROPOSED ELEVATION, A MAXIMUM OF TWO PRECAST CONCRETE RINGS MAY BE USED TO A MAXIMUM HEIGHT OF 12 INCHES. THE RINGS AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MORTAR (RUB-R-NEK OR APPROVED EQUAL).
4. PRECAST ADJUSTING RINGS SHALL BE REINFORCED WITH NO. 3 GAUGE WIRE OR EQUIVALENT AND SHALL HAVE A MINIMUM THICKNESS OF TWO INCHES.
5. MORTAR SHALL NOT BE USED TO DRESS UP ADJUSTING RINGS AND/OR FRAME.
6. DRESS UP INTERIOR JOINTS WITH HYDRAULIC CEMENT.
7. IN PAVED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE COVERED WITH FILTER FABRIC. FILTER FABRIC SHALL BE SECURED TO THE OUTSIDE OF STRUCTURE PRIOR TO BACKFILL.
8. IN GRASSED AREAS, DRAIN HOLES/SWEEP HOLES SHALL BE PLUGGED WITH HYDRAULIC CEMENT.

NOT TO SCALE

REV: RMS	DATE: JUL 2004	CATCH BASIN TYPE "C"	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: JAN 2003		



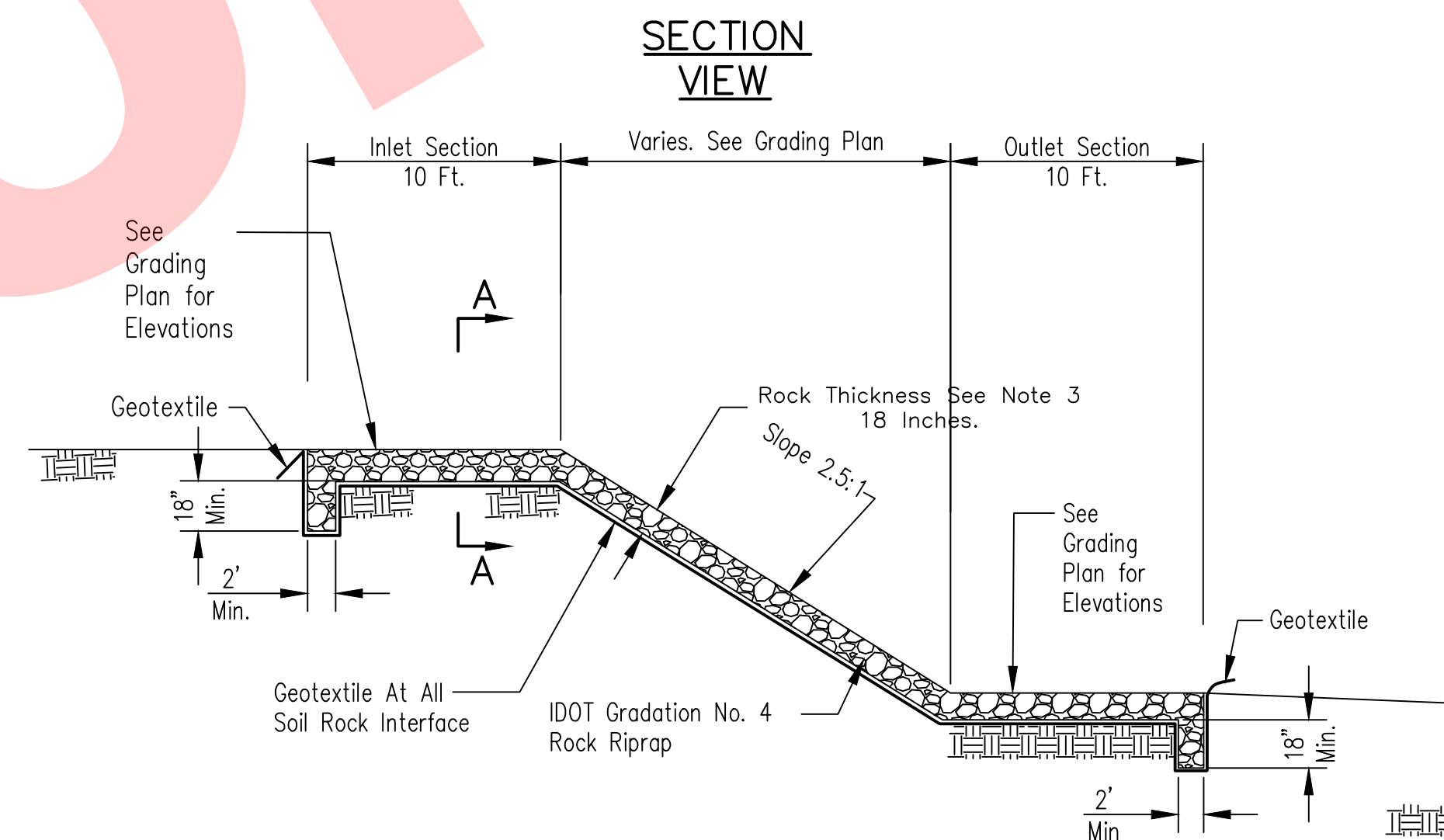
GENERAL NOTES:

1. MEG-A-LUG RETAINER GLANDS AND THRUST BLOCKING SHALL BE USED AT ALL FITTINGS AND JOINTS.
2. RELOCATIONS REQUIRE THE PROPOSED SEWER TO BE INSTALLED IN PRESSURE RATED PIPE (CLASS 52 DUCTILE IRON PIPE; OR PVC SDR-26, ASTM D-2241 PR PIPE) BETWEEN MANHOLES, OR ENCASED IN A BITUMINOUS COATED STEEL CASING PIPE, EXTENDING A MINIMUM OF 20' CENTERED ON THE WATERMAIN.
3. ALL BELOW-GRADE FASTENERS SHALL BE STAINLESS STEEL.
 - A. BOLTS: GRADE 304
 - B. NUTS AND WASHERS: GRADE 300

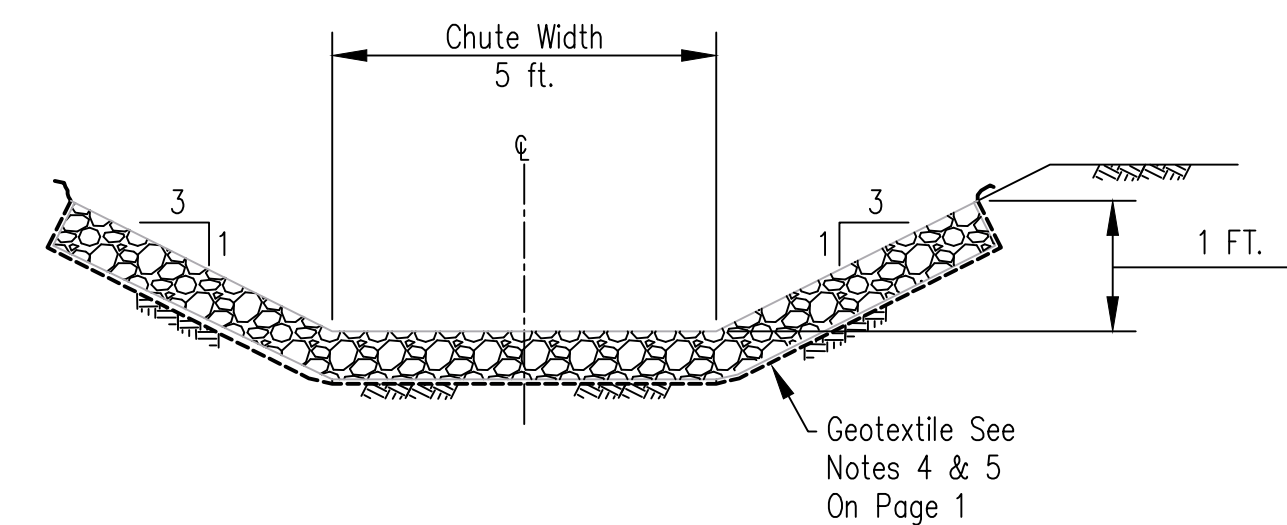
NOTE: ORIGINAL DETAIL CREATED BY THE VILLAGE OF VILLA PARK, MODIFIED BY V3 COMPANIES.

NOT TO SCALE

REV: RMS	DATE: JUL 2004	ADJUSTING WATER MAIN	VILLAGE OF VILLA PARK
DRAWN BY: VV	DATE: 01/07/2008		



LONGITUDINAL SECTION AT CENTERLINE A-A



CONSTRUCTION NOTES:

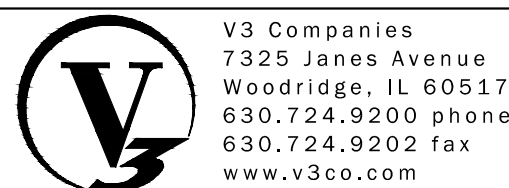
1. This standard drawing does not apply to rock outlets with two feet or less of overfall.
2. Rock size shall be IDOT Quality Designation A Gradation No.4. [STONE RIPRAP, CLASS A4]
3. Minimum rock depth is 1.5 times the D₅₀ riprap size or 18 inches which ever is greater.
4. Geotextile (non-woven, needle punched) Minimum criteria:

Grab tensile strength (lb) ASTM D 4632	_____	202
Elongation at failure (%) ASTM D 4632	_____	≥ 50
Trapezoidal tear strength (lb) ASTM D 4533	_____	79
Puncture strength (lb) ASTM D 6241	_____	433
Ultraviolet light (% retained strength) ASTM D 4355_min	_____	50
Apparent opening size (AOS) ASTM D 4751	_____	max 0.22 mm (US sieve size 70)
Permittivity sec ⁻¹ / ASTM D 4491	_____	min 0.70
5. Geotextile fabric shall extend around the upstream and downstream cutoff trenches, shall be keyed into upstream of the upper cutoff trench. Any splices shall overlap a minimum 24 inches, with upstream upslope geotextile overlapping the abutting down slope geotextile.
6. The rock shall be compacted with the placement equipment to increase in-place density.

ROCK CHUTE SHALL BE PAID FOR BY THE FOLLOWING PAY ITEMS:

- EARTH EXCAVATION
- STONE RIPRAP, CLASS A4
- FILTER FABRIC

ROCK CHUTE



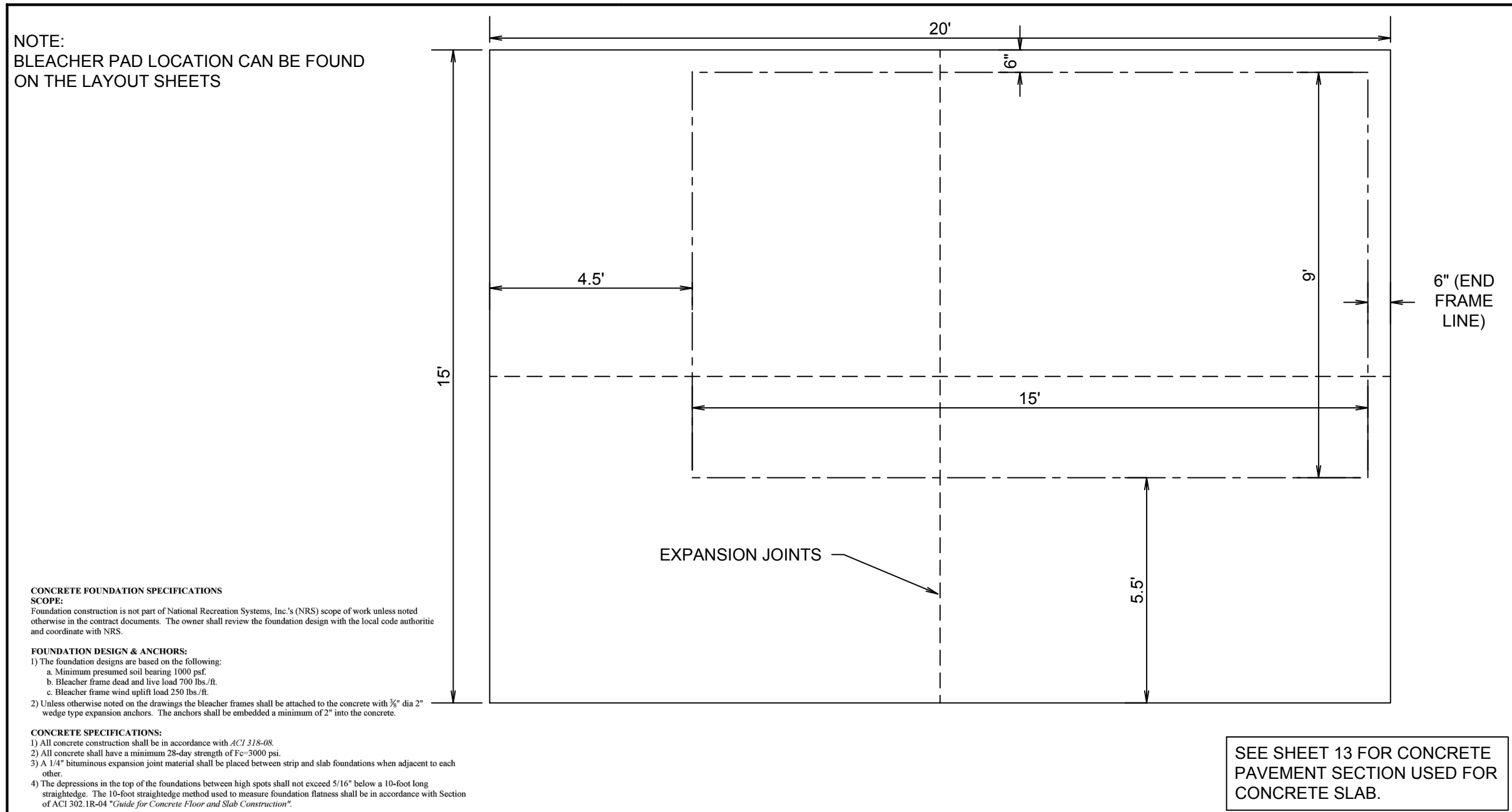
PLOT SCALE =	CHECKED - DLM	REVISOR -
PLOT DATE =	DATE - 04-27-18	REVISOR -

DESIGNED - CWH	REVISOR -
DRAWN - LEH	REVISOR -
CHECKED - DLM	REVISOR -
DATE - 04-27-18	REVISOR -

JACKSON POND OVERFLOW PROJECT

CONSTRUCTION DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE		27
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



CONCRETE FOUNDATION SPECIFICATIONS
SCOPE:
 Foundation construction is not part of National Recreation Systems, Inc.'s (NRS) scope of work unless noted otherwise in the contract documents. The owner shall review the foundation design with the local code authority and coordinate with NRS.

FOUNDATION DESIGN & ANCHORS:
 1) The foundation design shall be based on the following:
 a. Minimum ground soil bearing: 1500 psf.
 b. Bleacher frame dead and live load: 700 lbs./ft.
 c. Bleacher frame wind uplift load: 250 lbs./ft.
 2) Unless otherwise noted on the drawings, the bleacher frames shall be attached to the concrete with 1/2" dia 2" x 2" anchor bolts. The anchors shall be embedded a minimum of 2" into the concrete.

CONCRETE SPECIFICATIONS:
 1) All concrete construction shall be in accordance with ACI 308.4R.
 2) All concrete shall have a minimum 28-day strength of 3000 psi.
 3) A 1" continuous expansion joint material shall be placed between strip and slab foundations when adjacent to each other.
 4) The depressions in the top of the foundations between high spots shall not exceed 5/16" below a 10-foot long straightedge. The 10-foot straightedge method used to measure foundation flatness shall be in accordance with Section of ACI 302.1R-04 "Guide for Concrete Floor and Slab Construction".

CONCRETE SLAB SPECIFICATIONS:
 1) Concrete slab shall have a minimum thickness of 5" (NRS, Inc. recommends, and some areas may require 6" thickness) and placed on 4" of compacted gravel or compacted sand subbase.
 2) NRS, Inc. recommends that the concrete slab be reinforced with 6x6-W2, 1xW2, 1 welded wire fabric at 5' concrete cover from the top. It is to be installed over 2" x 30 MILS 30 Mil Fiberglass Reinforced or equal corrugated steel fibers applied at a rate of 50-lbs./Cubic Yard. See Note 10 for details. Nylon or polypropylene fibers are not recommended.
 3) Check control joints shall be used on the slab to form approximate square panels. The maximum spacing for control joints shall not exceed 12'-0", unless shown otherwise on this drawing. The bleacher frames shall not be set on control joints. The designer shall consult NRS to coordinate joint spacing requirements with the specific bleacher design.
 4) The slab may be sloped a maximum of 1/8 inch per foot for drainage. The maximum overall out-of-level slope for the slab perpendicular to the seams (from to rear) shall not exceed 2" and parallel to the seams (end to end) shall not exceed 4".

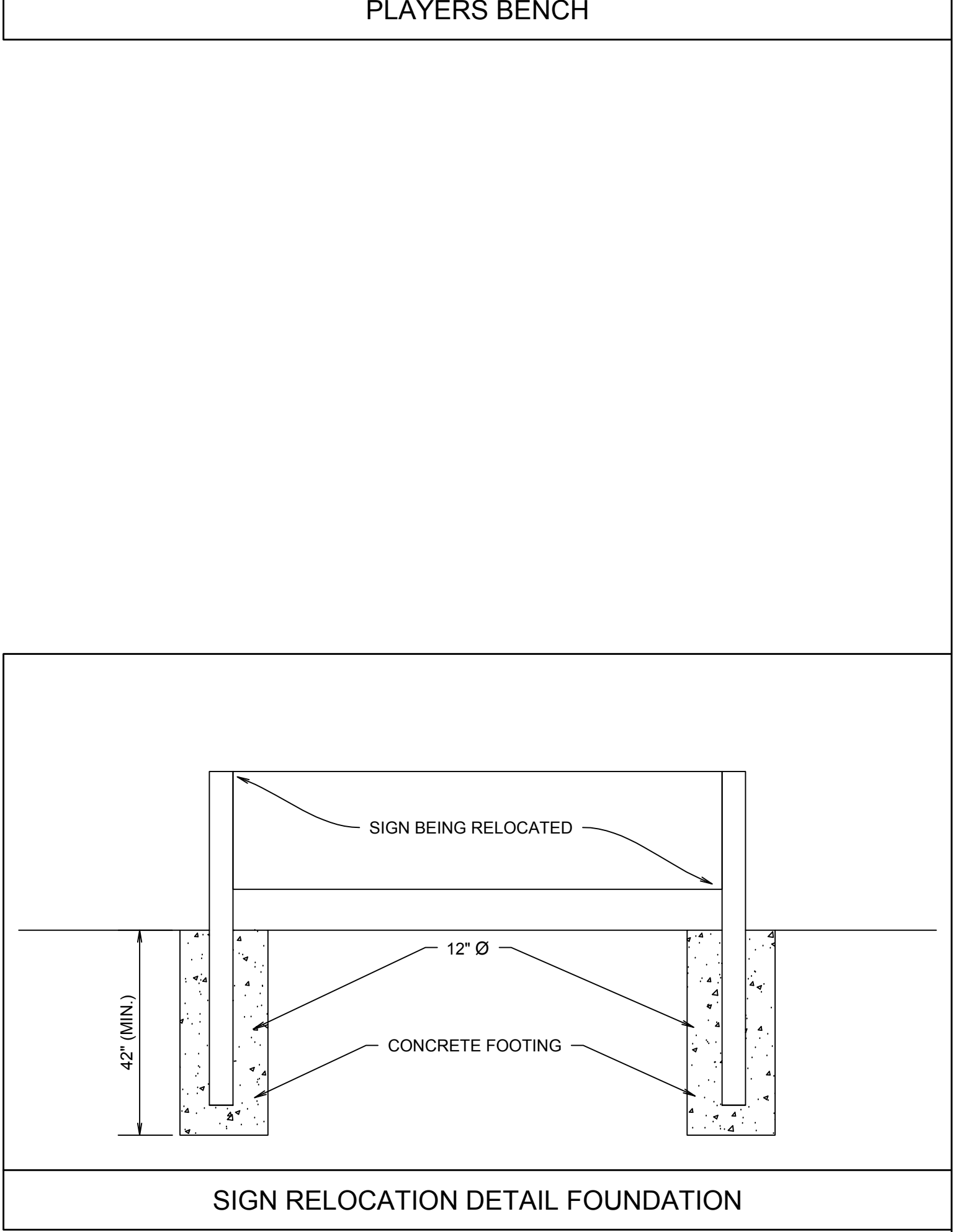
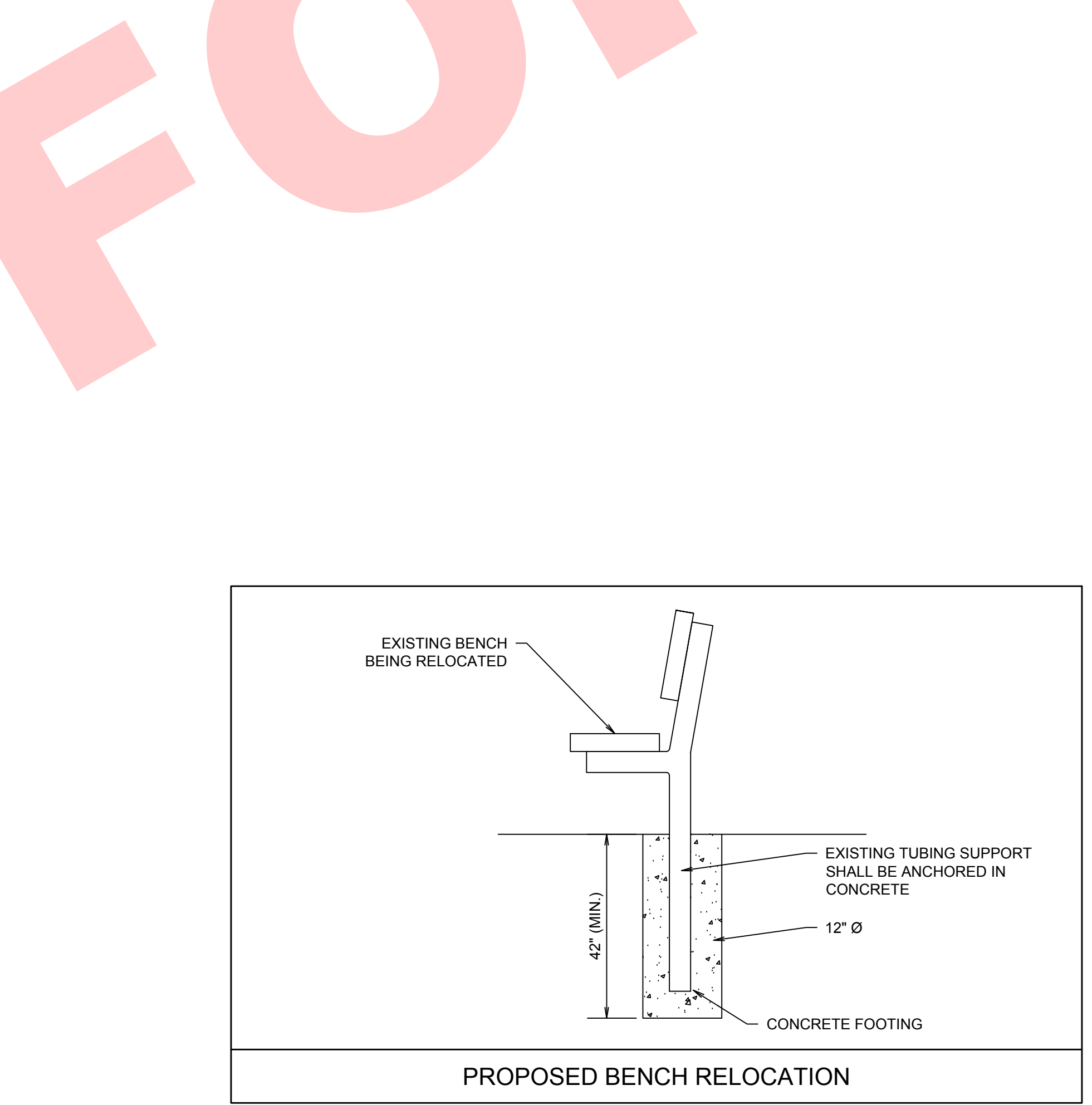
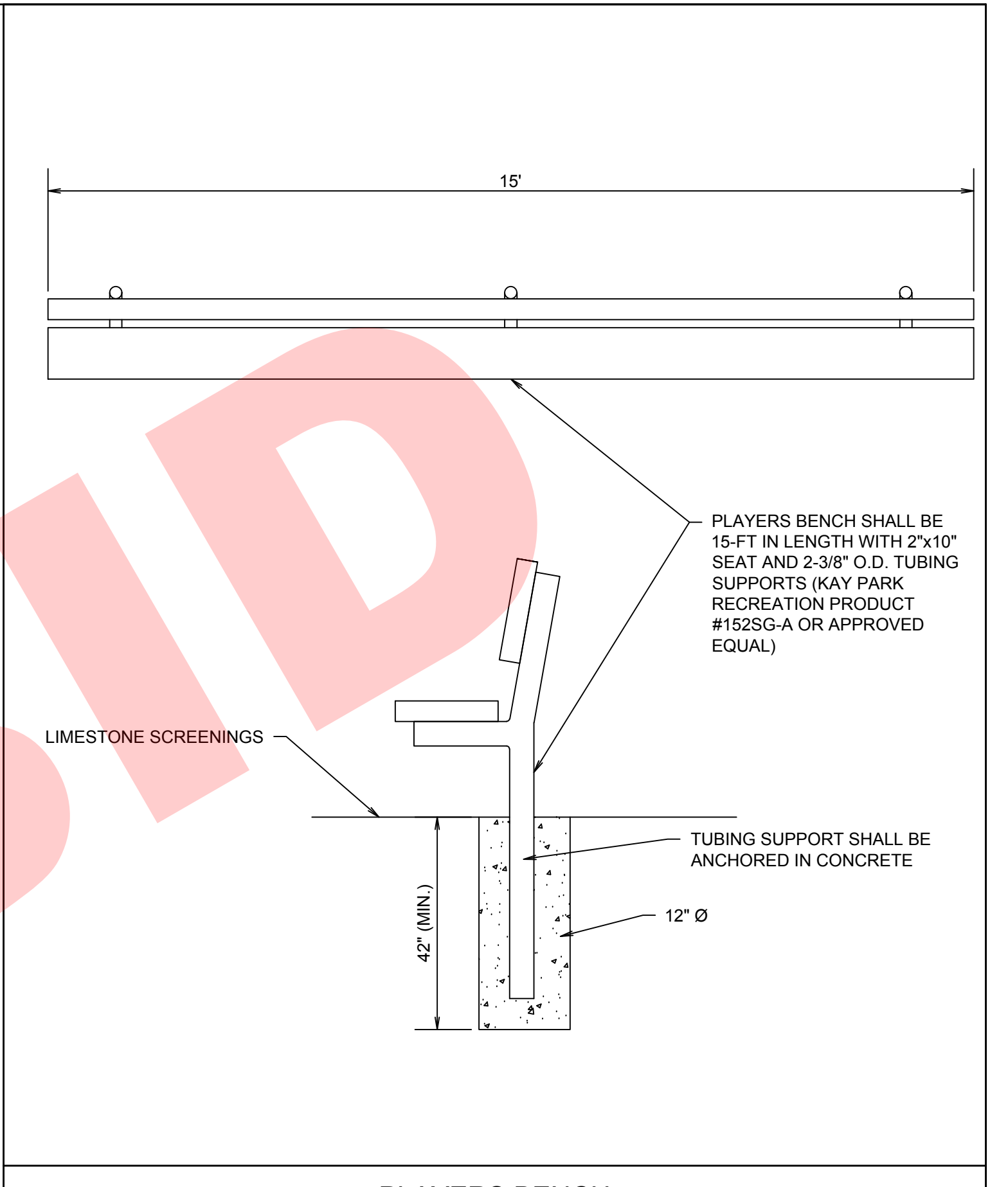
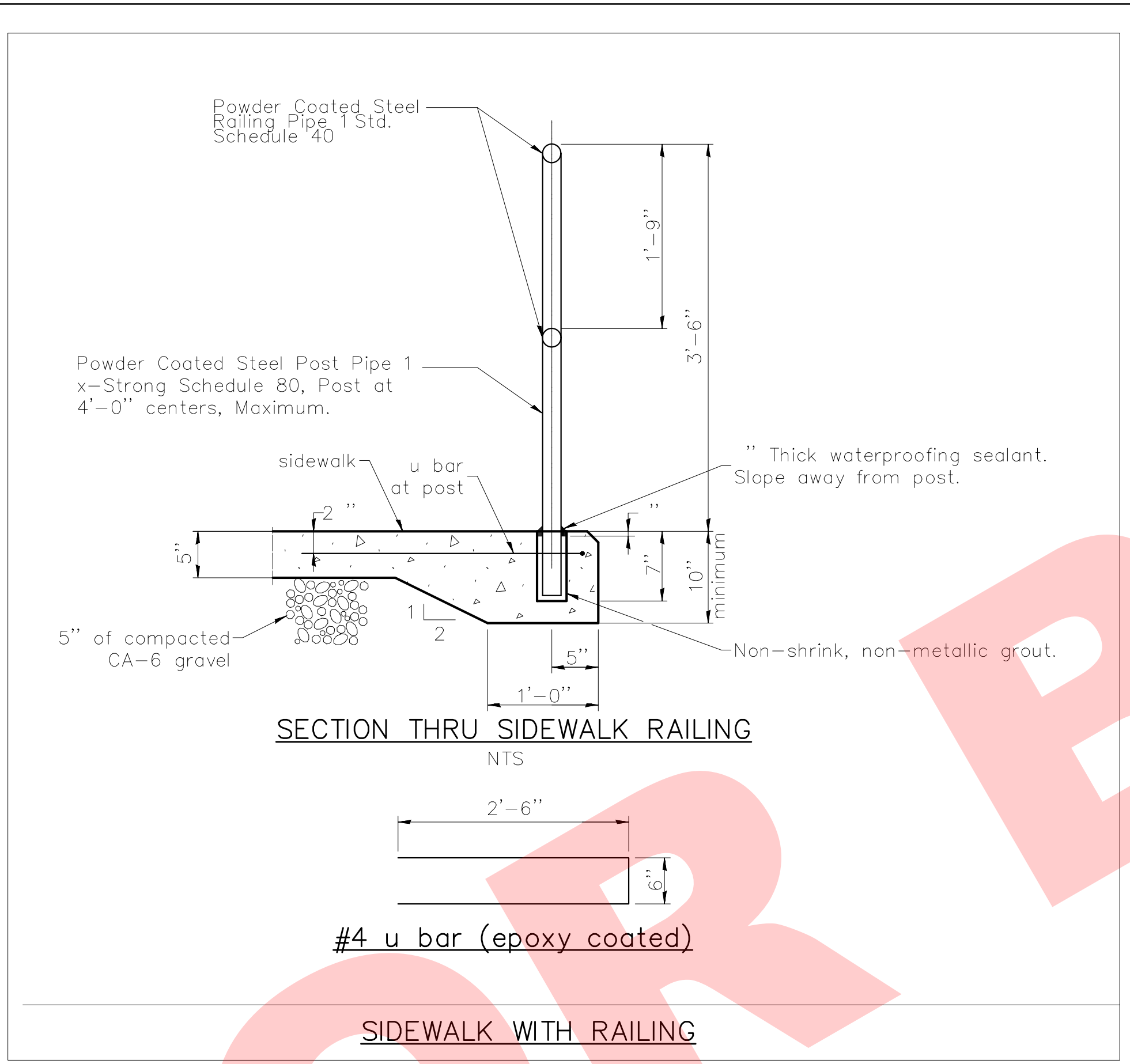
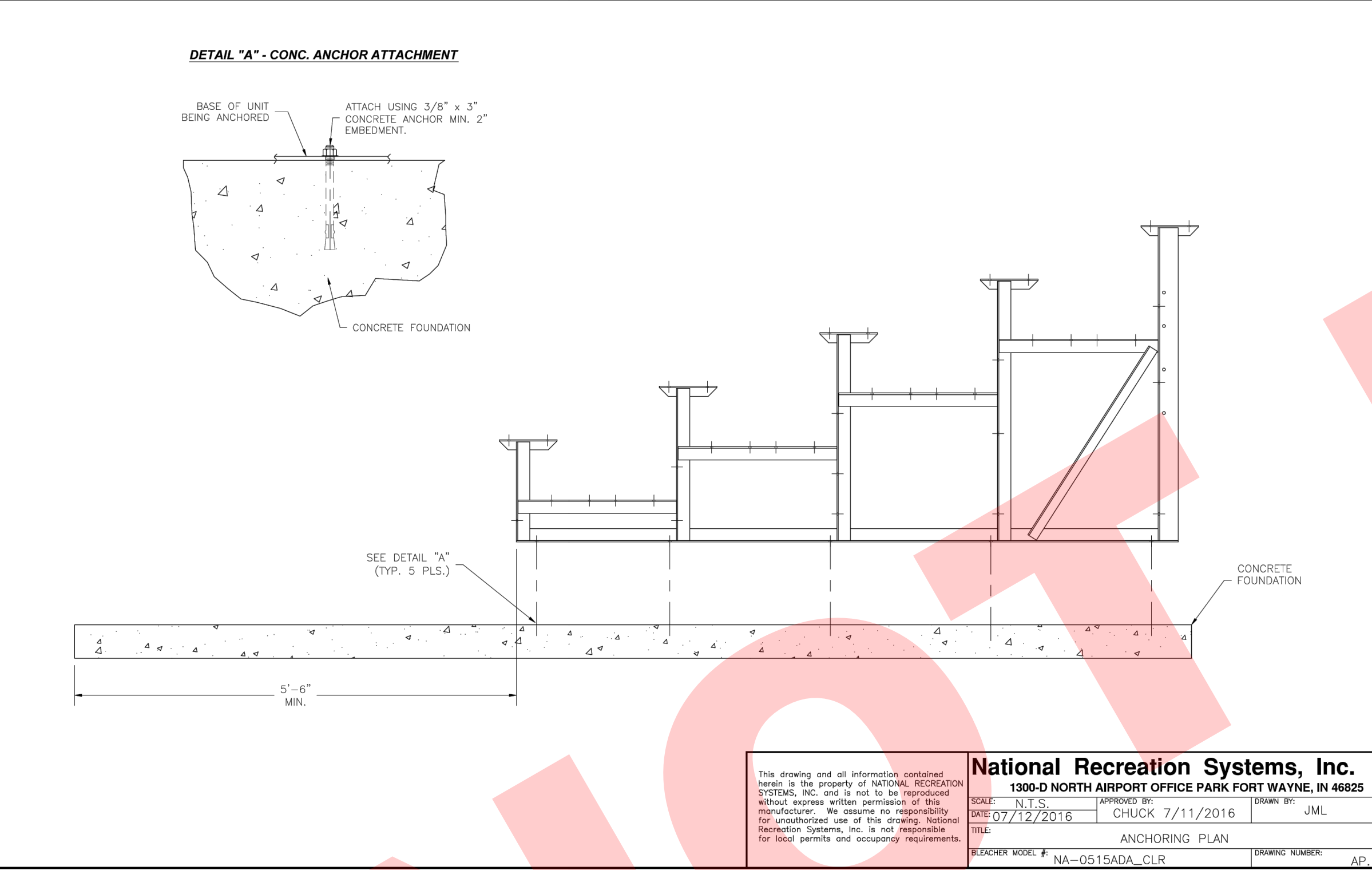
National Recreation Systems, Inc.
 1300-D NORTH AIRPORT OFFICE PARK FORT WAYNE, IN 46825

SCALE: N.T.S. DATE: 07/12/2016 PROVIDED BY: CHUCK 7/11/2016 DRAWN BY: JML

TITLE: NON ELEV. ALUM. 5 ROW x 15'-0" FOUNDATION PLAN

REVISION MODEL: NA-0515ADA_CLR DRAWING NUMBER: FP-1

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<p>V3 Companies 7325 James Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com</p>	DESIGNED — CWH	REVISED —
	DRAWN — LEH	REVISED —
	CHECKED — DLM	REVISED —
	DATE — 04-27-18	REVISED —

JACKSON POND OVERFLOW PROJECT

CONSTRUCTION DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				28
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

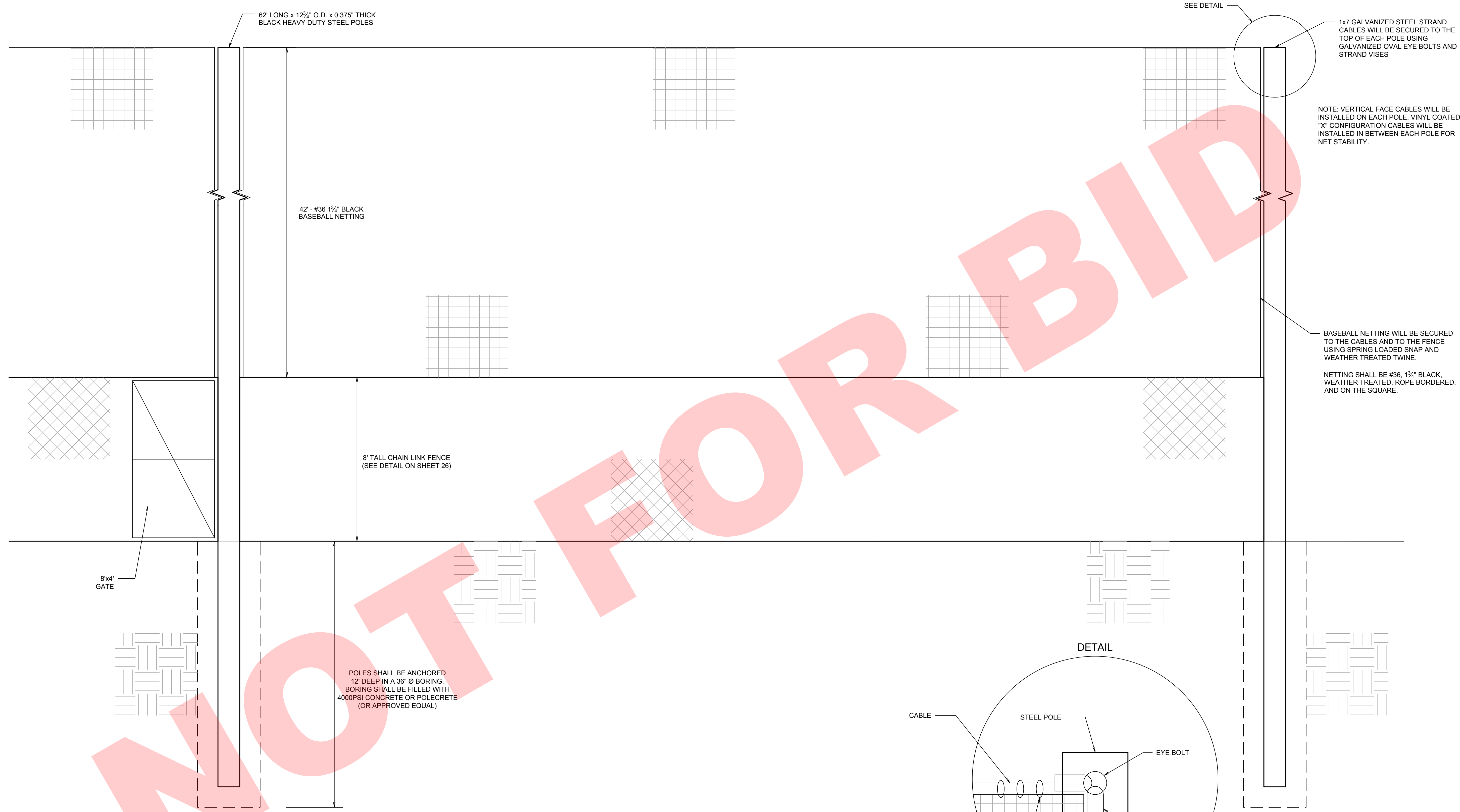
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PLLOT DATE = _____

DATE = 04-27-18

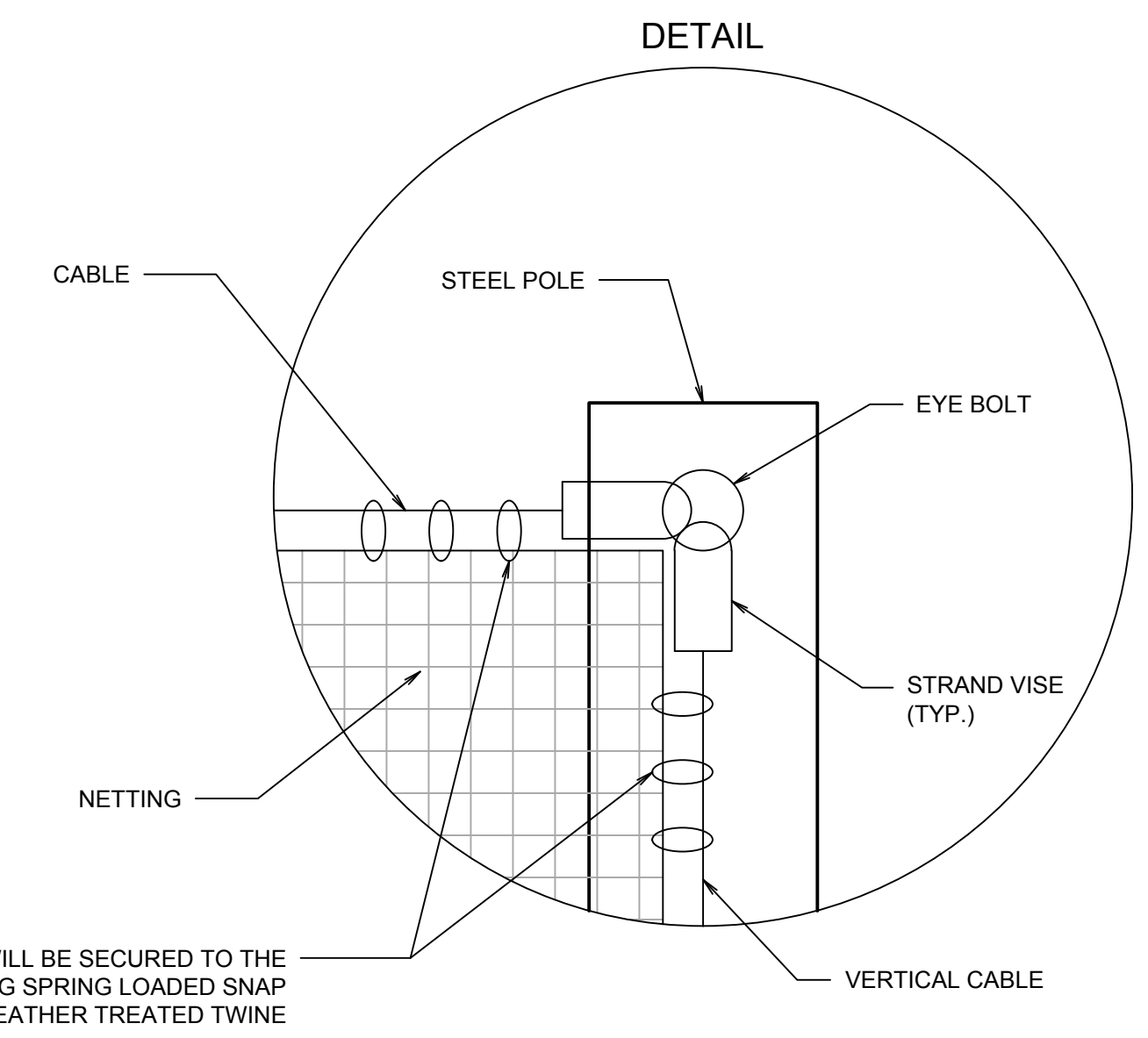
REVISION MODEL: NA-0515ADA_CLR DRAWING NUMBER: AP-1

N:\2016\16295\16295.Jackson\Drawings\ACAD\NR\E04\Sheet Drawings - Jackson Pond Overflow\7.1 Det16295.Jackson.dwg 10/1/2018



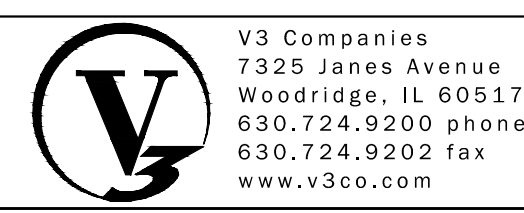
POLES SHALL BE ANCHORED 12" DEEP IN A 36" Ø BORING. BORING SHALL BE FILLED WITH 4000PSI CONCRETE OR POLECRETE (OR APPROVED EQUAL)

TYPICAL NETTING SECTION



NETTING WILL BE SECURED TO THE CABLES USING SPRING LOADED SNAP AND WEATHER TREATED TWINE

NOTE: FENCE DETAIL PROVIDED BY PEERLESS FENCE. CONTRACTOR MAY CHOOSE TO USE APPROVED EQUAL FOR FENCING.



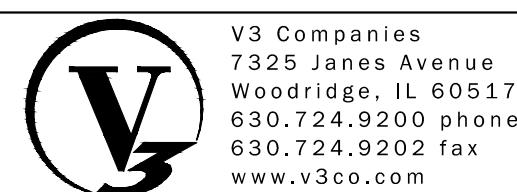
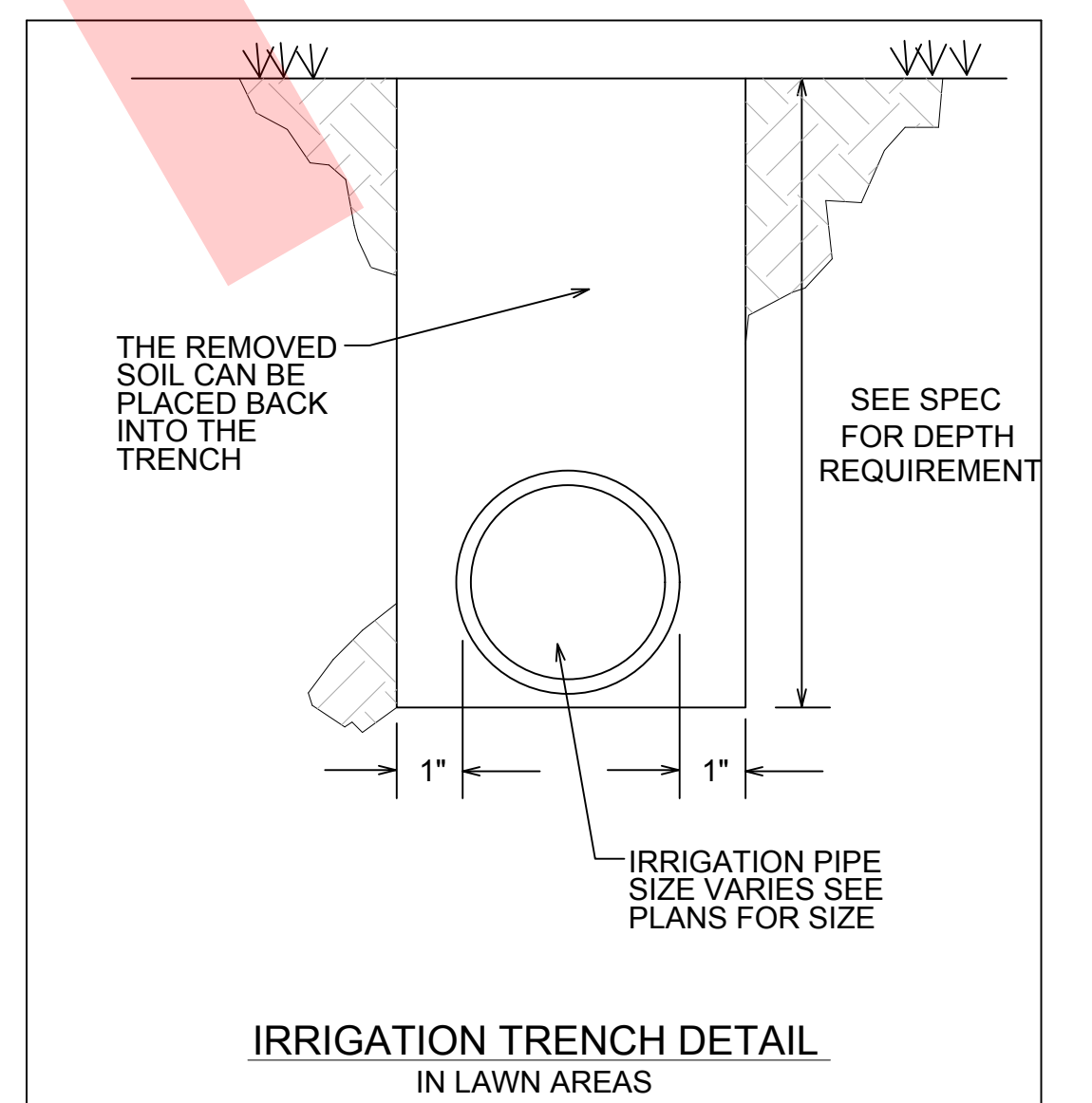
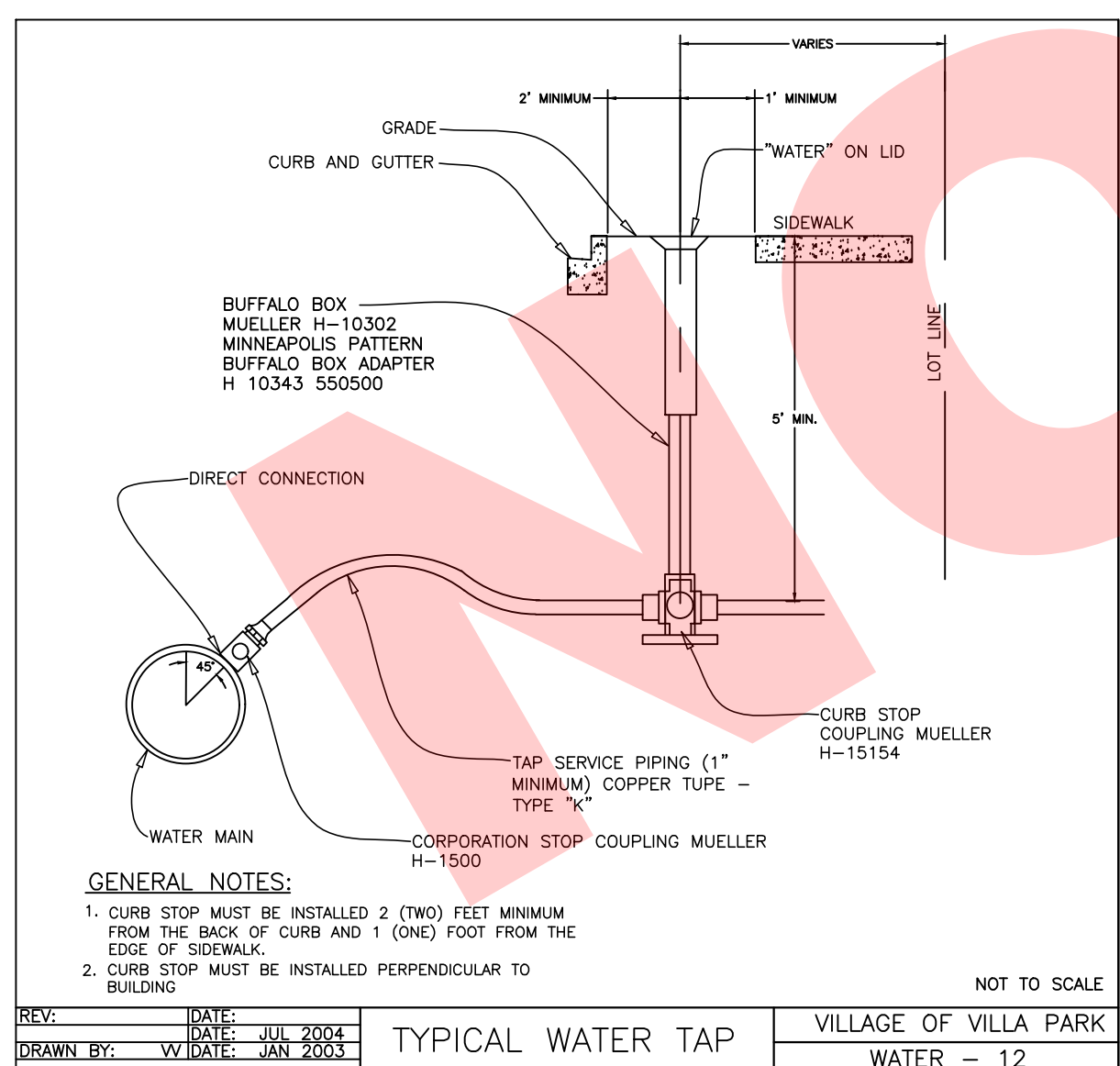
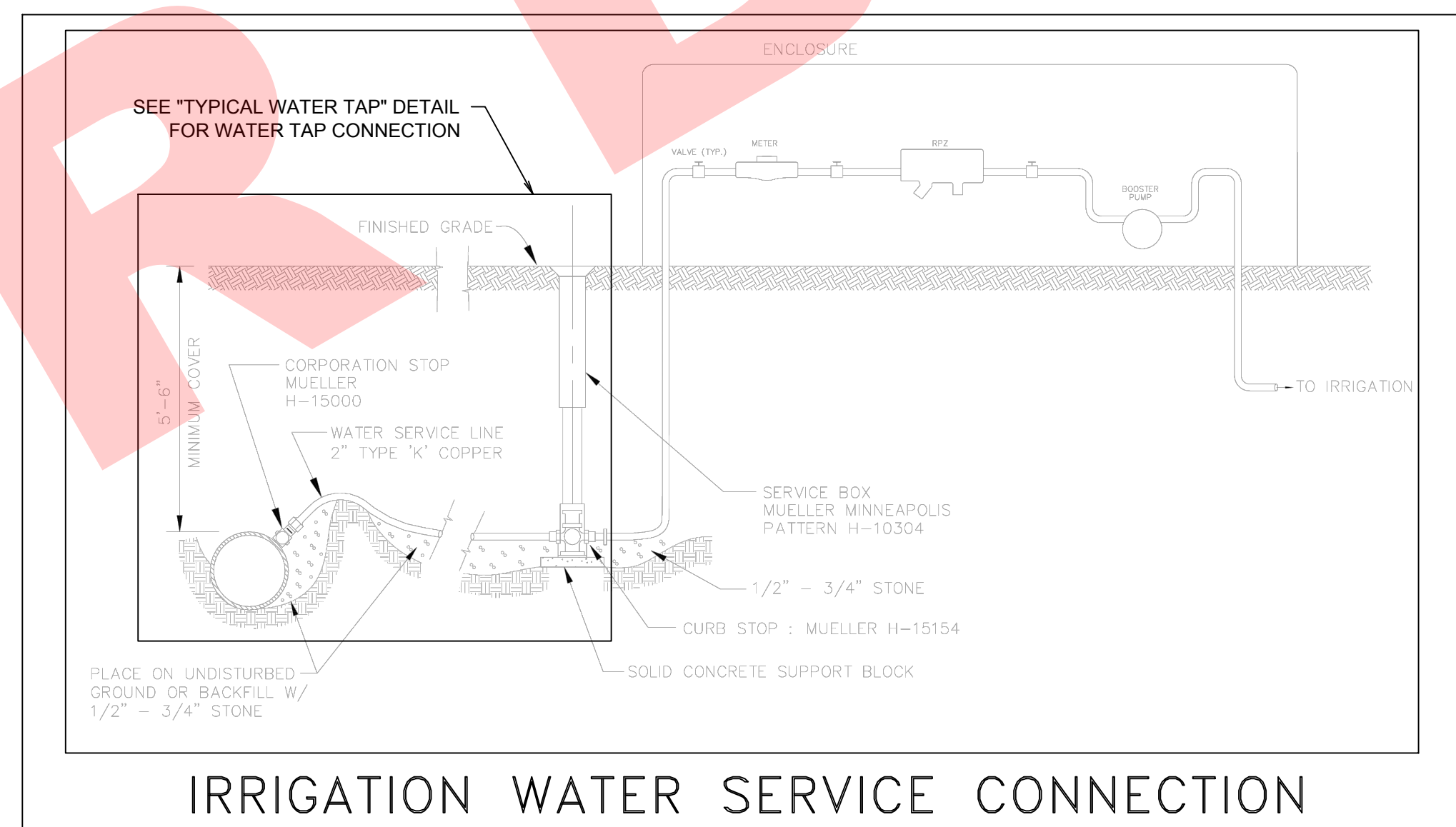
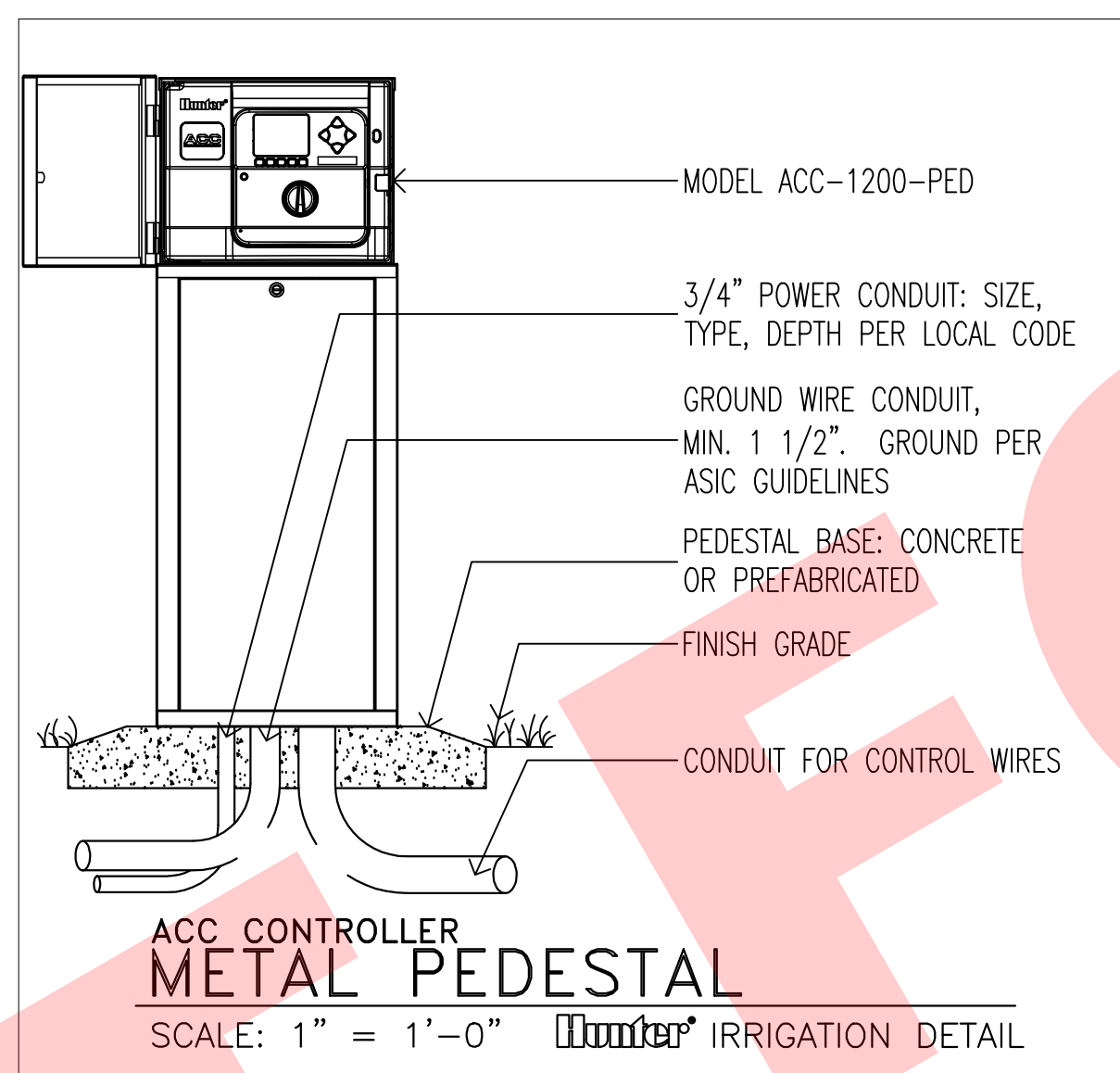
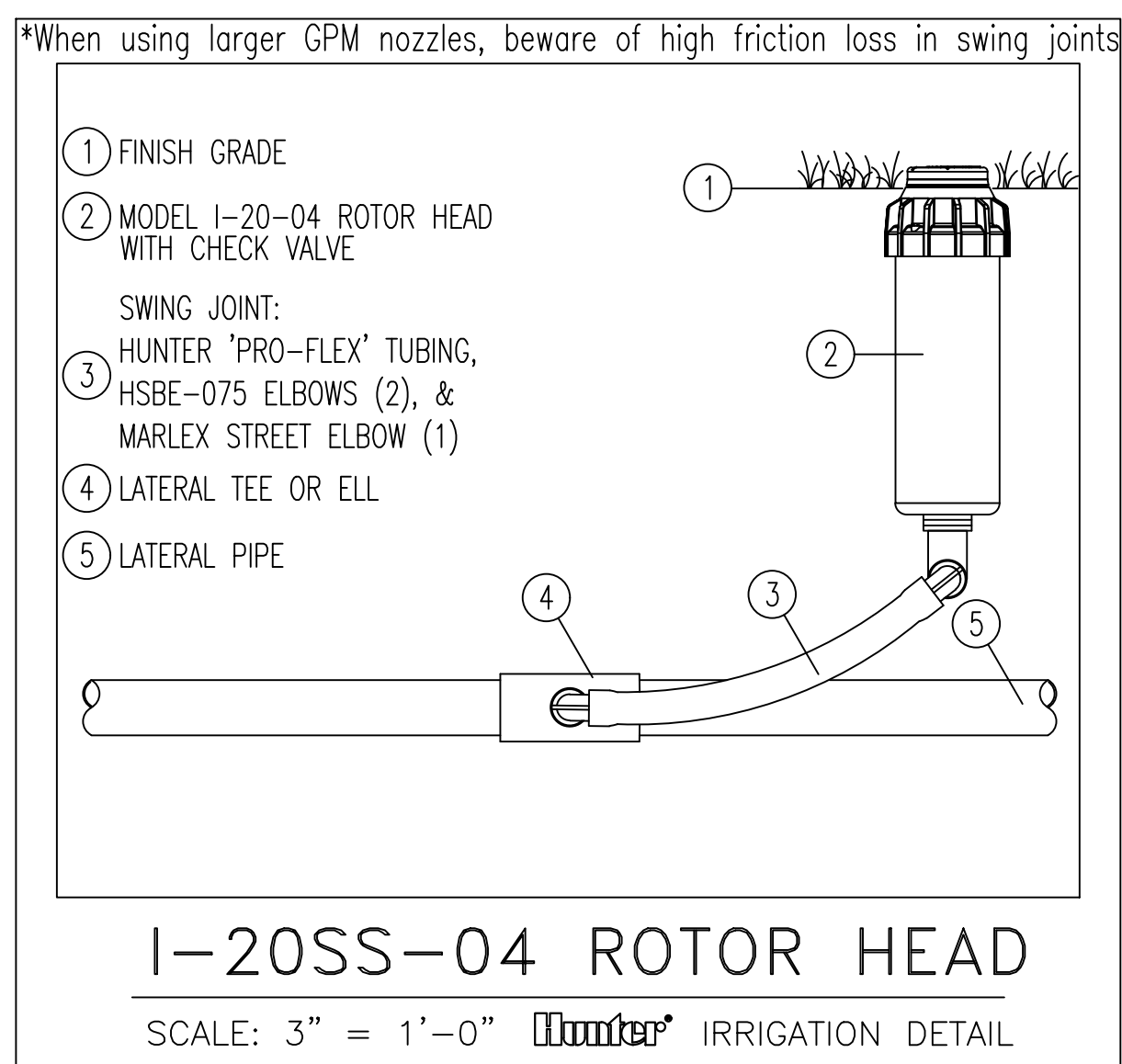
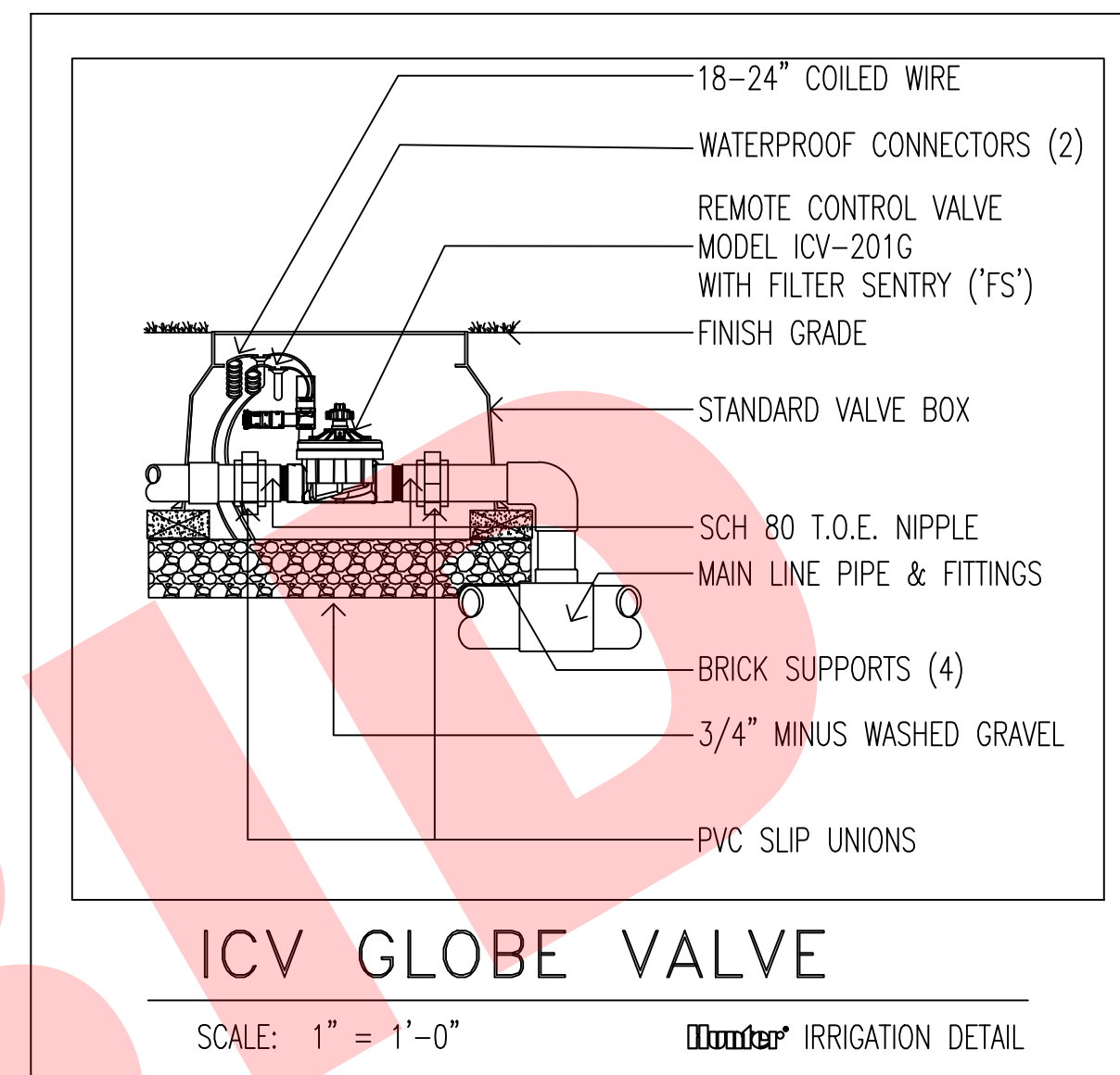
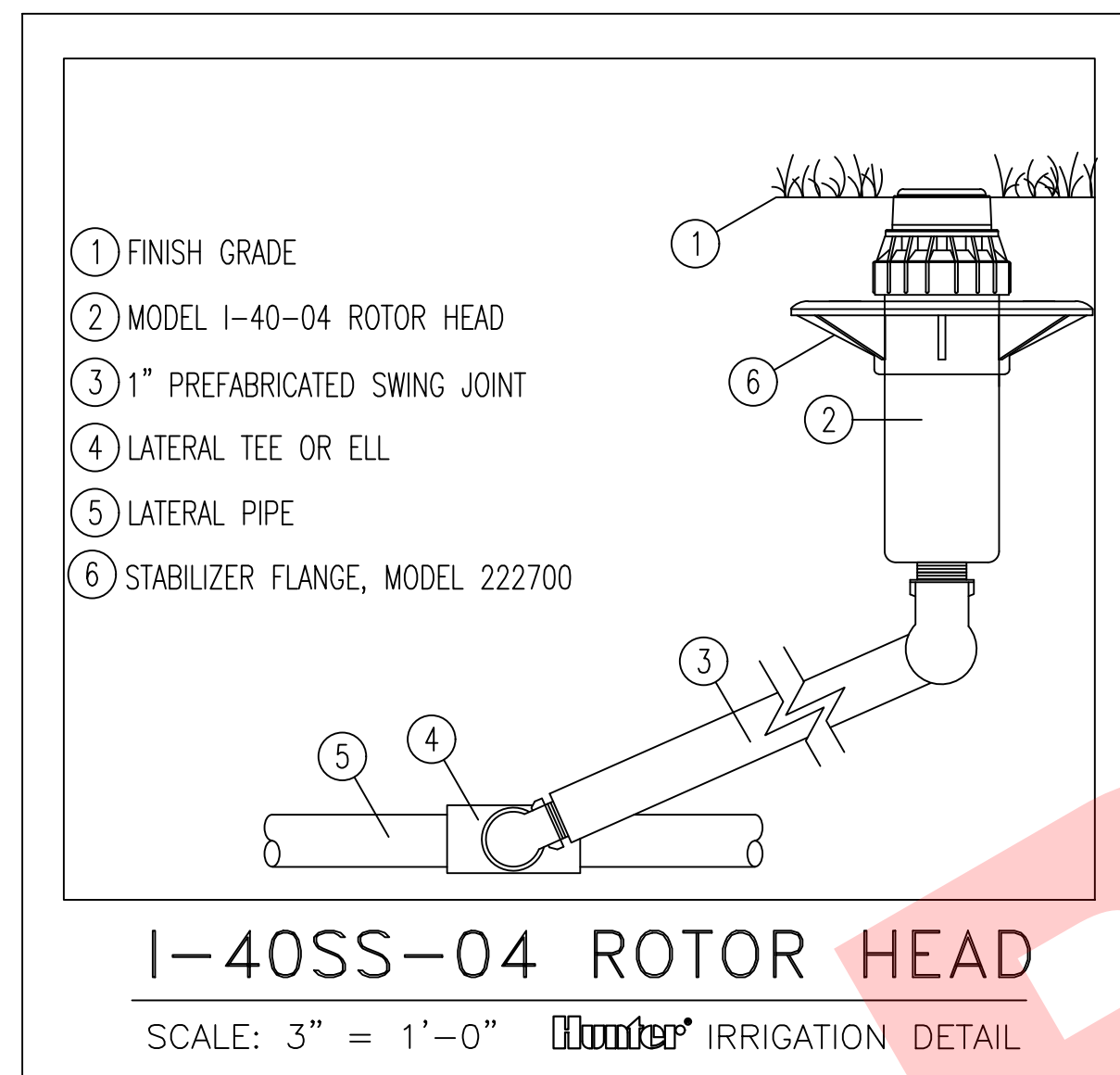
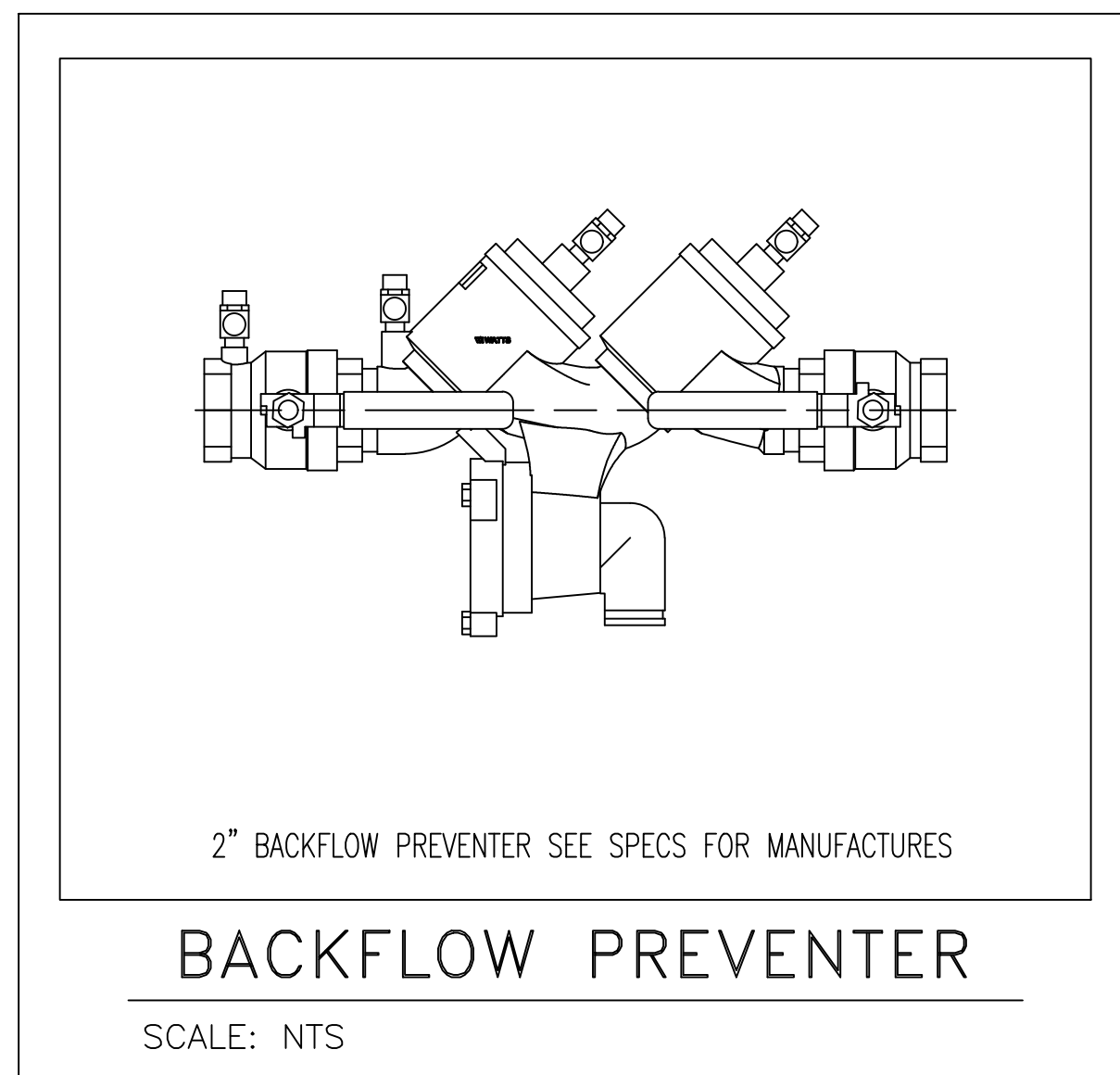
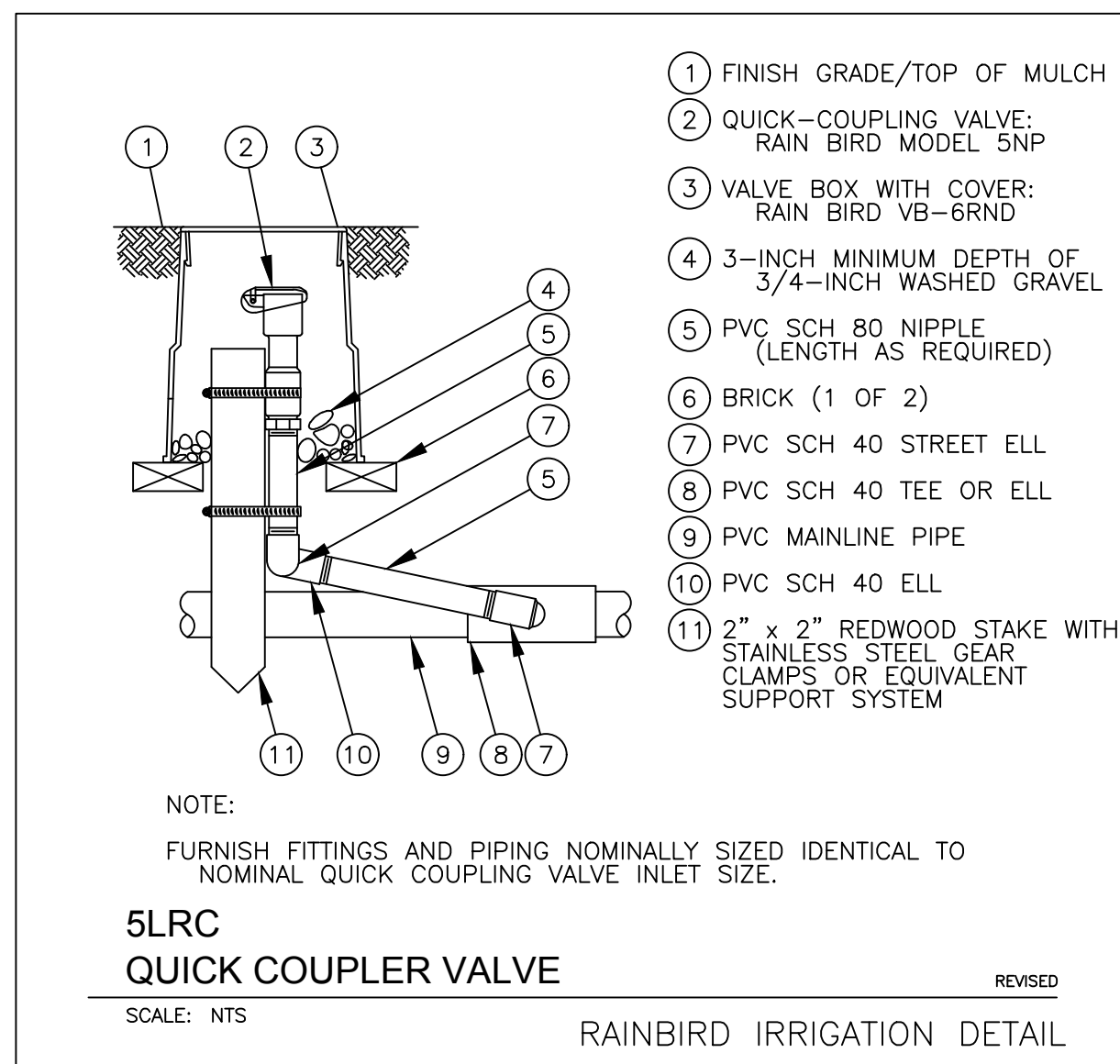
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Woodridge, IL 60517
630.724.9200 phone
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DRAWN	— LEH	REVISED	---
CHECKED	— DLM	REVISED	---
DATE	— 04-27-18	REVISED	---

JACKSON POND OVERFLOW PROJECT

CONSTRUCTION DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE		29
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				



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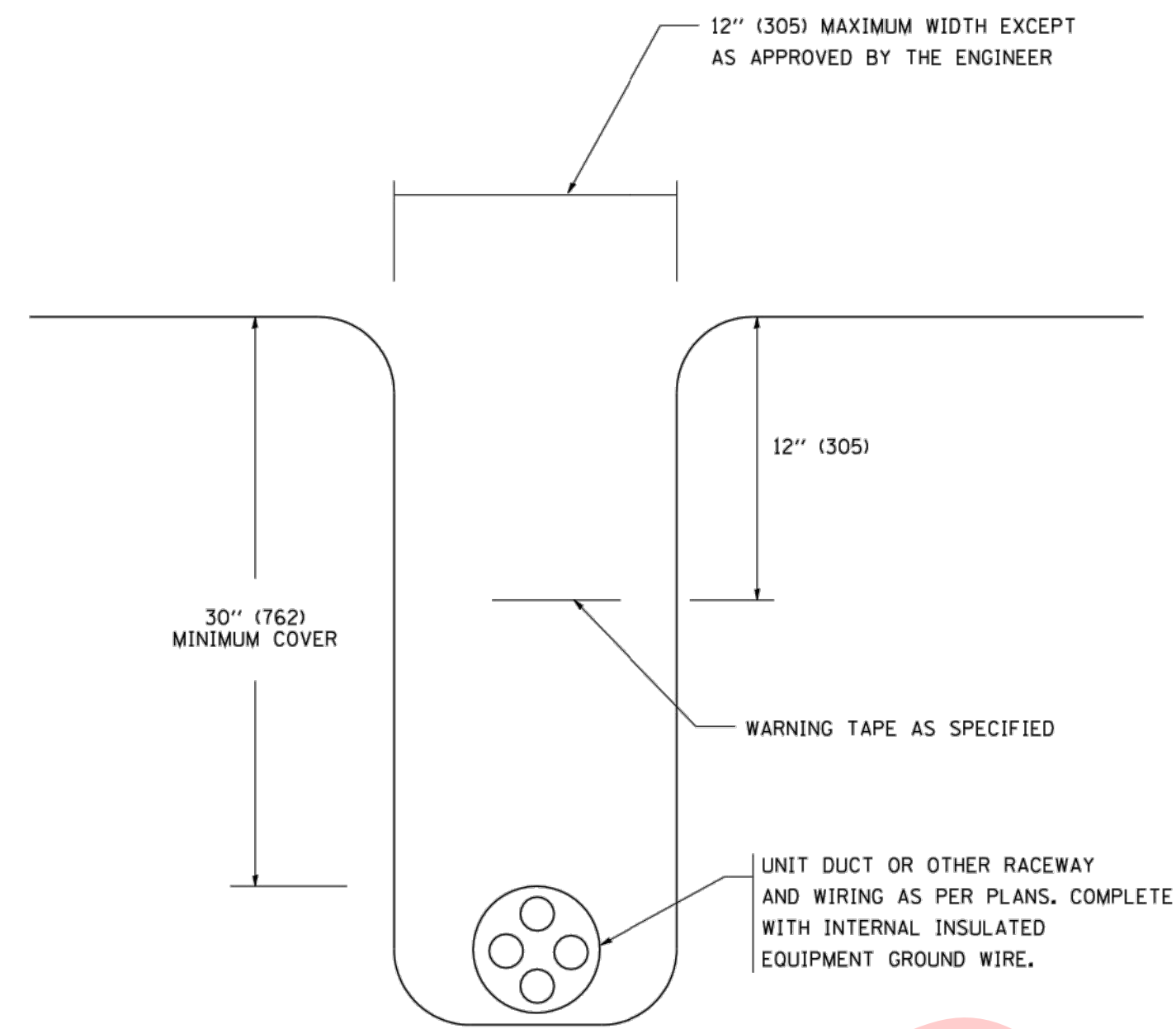
JACKSON POND OVERFLOW PROJECT

IRRIGATION DETAILS

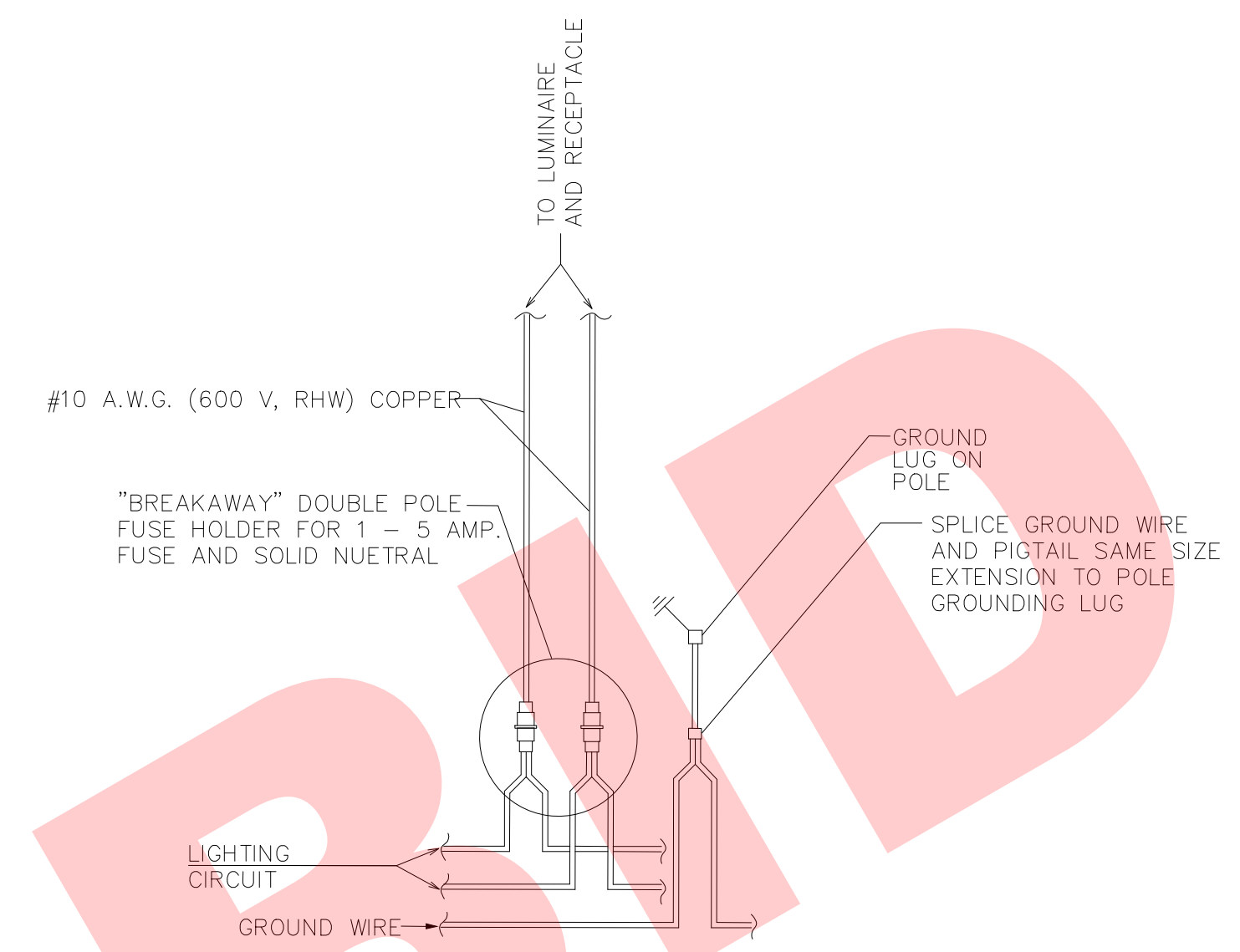
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	30	30
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

ELECTRICAL GENERAL NOTES

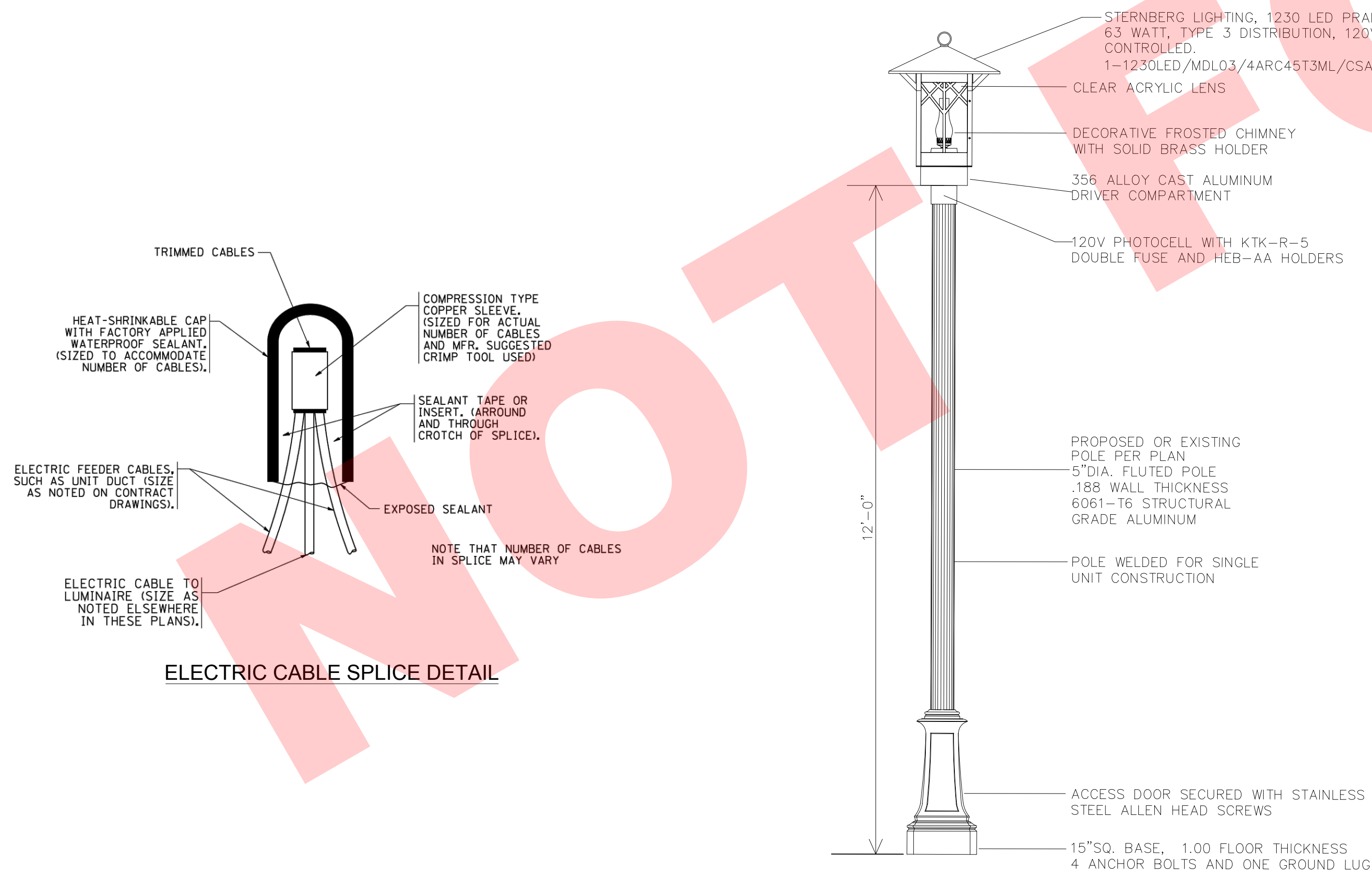
1. SITE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL NECESSARY MATERIALS AND MAKING ALL FINAL CONNECTIONS OF THE ELECTRICAL SYSTEM FOR A COMPLETE INSTALLATION TO THE ELECTRICAL PANEL.
2. THE DIMENSIONS GIVEN ON THE ELECTRICAL CABINET DETAIL ARE FOR REFERENCE ONLY. THE CONTRACTOR IS RESPONSIBLE FOR SIZING THE ELECTRICAL CABINET BASED ON THE ACTUAL DIMENSIONS OF THE ELECTRICAL EQUIPMENT PROPOSED IN THIS CONTRACT AND THE DIMENSIONS OF THE FUTURE EQUIPMENT SHOWN ON THE ELECTRICAL CABINET DETAIL. THE CONTRACTOR IS RESPONSIBLE FOR MODIFYING THE CONTROLLER CABINET FOUNDATION DIMENSIONS AS REQUIRED FOR ACTUAL CABINET SIZE.
3. PRIOR TO ANY EQUIPMENT ORDER, THE CONTRACTOR SHALL SUBMIT EQUIPMENT SPECIFICATIONS, CATALOG CUT SHEETS, AND DESIGN DATA FOR ALL MATERIAL PROPOSED FOR THE PROJECT TO THE ENGINEER AND OWNER FOR REVIEW & APPROVAL.
4. ALL ELECTRICAL WORK SHALL CONFORM TO THE VILLAGE OF VILLA PARK STANDARDS AND SPECIFICATIONS, THE LATEST EDITION OF IDOT STANDARD SPECIFICATIONS BOOK, THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS, AND THE LATEST EDITION OF THE NATIONAL ELECTRIC CODE (N.E.C.).
5. ALL EXCESS DIRT AND DEBRIS EXCAVATED FOR FOUNDATIONS SHALL BE REMOVED BY THE CONTRACTOR.
6. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL EXISTING STREETS, DRIVEWAYS, SIDEWALKS, AND PARKING LOTS AT ALL TIMES TO THE EXTENT POSSIBLE DURING THE CONSTRUCTION OPERATION.
7. THE COST OF THE CABLE AND CONDUIT SHALL INCLUDE ELBOWS, SWEEPS, CONNECTING HARDWARE, TRENCHING AND BACKFILL AS INDICATED IN THE PLANS. THE COST OF THE CONDUIT SHALL ALSO INCLUDE THE COST OF RESTORING CUT PAVEMENT, SIDEWALKS, SOD, ETC., TO ITS ORIGINAL CONDITION. SOD SHALL BE REPLACED IN LIKE KIND OF THE ADJACENT SURROUNDINGS.
8. THE CONDUCTOR SIZES SHOWN ON THE PLANS ARE BASED ON A 120/208 VOLT THREE-PHASE SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING SERVICE WITH THE CONSTRUCTION MANAGER AND COORDINATING THE SERVICE WITH COMED. IF SERVICE IS DIFFERENT, THE CONTRACTOR SHALL PROVIDE ADEQUATE NUMBER AND SIZE CONDUCTORS AND CONDUITS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE.
10. THE ELECTRICAL SYSTEM WILL BE MAINTAINED BY OWNER UPON FINAL ACCEPTANCE.



CONDUIT TRENCH BACKFILL DETAIL

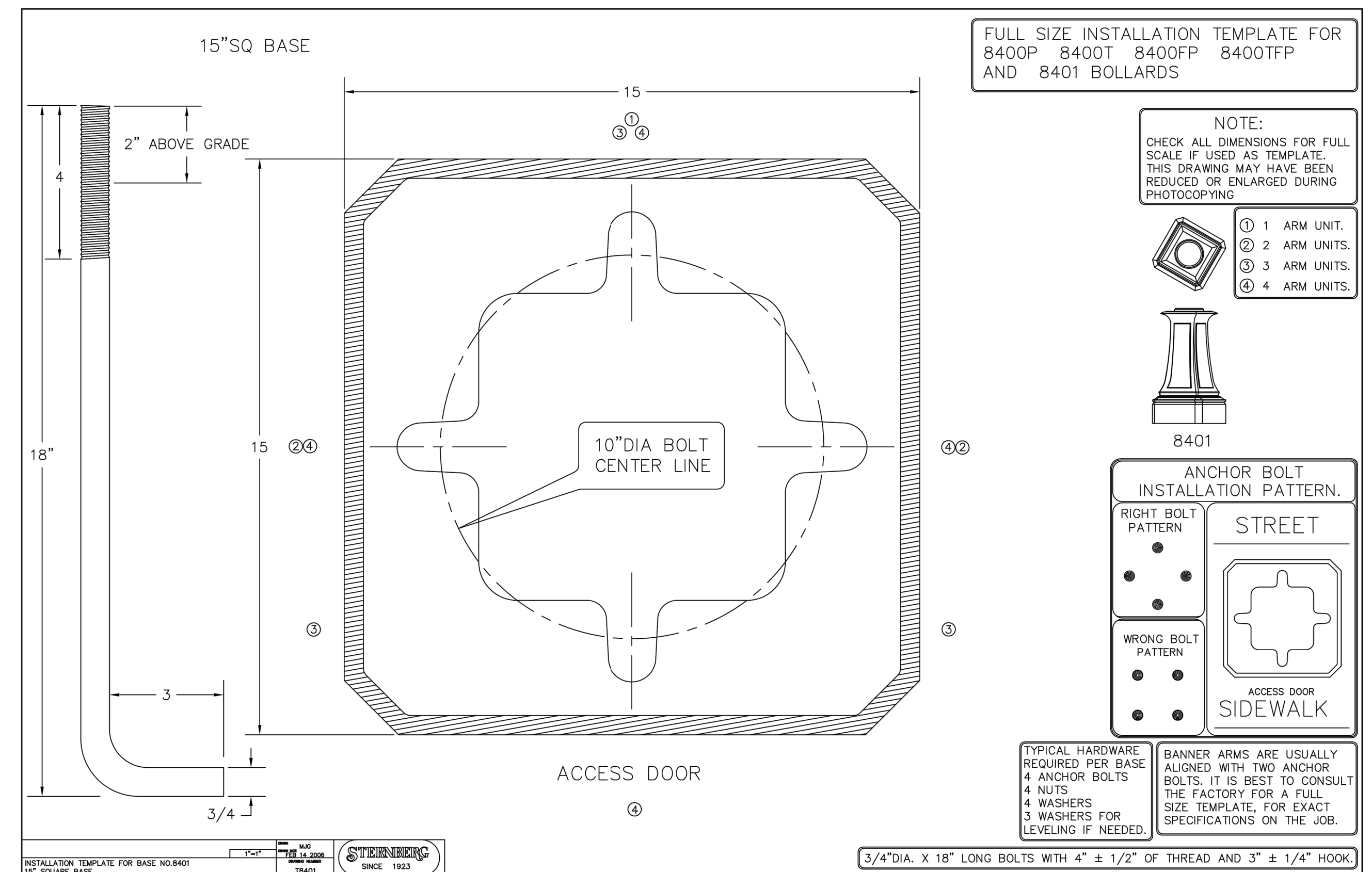


TYPICAL LIGHT POLE WIRING DETAIL



ELECTRIC CABLE SPLICE DETAIL

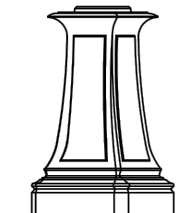
LIGHT POLE AND FIXTURE DETAIL



FULL SIZE INSTALLATION TEMPLATE FOR 8400P 8400T 8400FP 8400TFP AND 8401 BOLLARDS

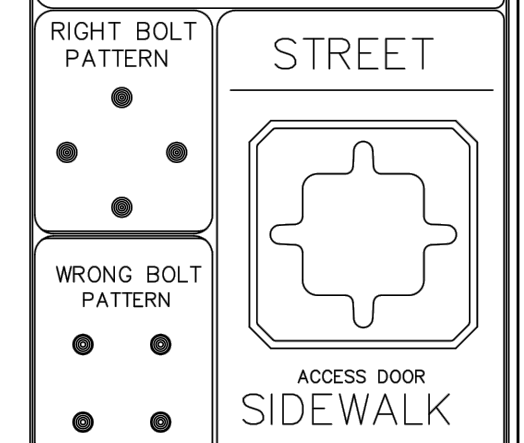
NOTE: CHECK ALL DIMENSIONS FOR FULL SCALE IF USED AS TEMPLATE. THIS DRAWING MAY HAVE BEEN REDUCED OR ENLARGED DURING PHOTOCOPIING

- ① 1 ARM UNIT.
- ② 2 ARM UNITS.
- ③ 3 ARM UNITS.
- ④ 4 ARM UNITS.



8401

ANCHOR BOLT INSTALLATION PATTERN.



TYPICAL HARDWARE REQUIRED PER BASE
4 ANCHOR BOLTS
4 NUTS
4 WASHERS
3 WASHERS FOR LEVELING IF NEEDED.

BANNER ARMS ARE USUALLY ALIGNED WITH TWO ANCHOR BOLTS. IT IS BEST TO CONSULT THE FACTORY FOR A FULL SIZE TEMPLATE, FOR EXACT SPECIFICATIONS ON THE JOB.

3/4" DIA. X 18" LONG BOLTS WITH 4" ± 1/2" OF THREAD AND 3" ± 1/4" HOOK.



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DATE — 04-27-18	REVISED —

PLOT SCALE =	
PLOT DATE =	

JACKSON POND OVERFLOW PROJECT

ELECTRICAL DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				31
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

3-PH FEEDTHRU COMPT TR PAD - ESS (2)(1)(2)

C5293.-	TRANSFORMER		SECONDARY CONDUIT CONFIGURATIONS (24)				ESTIMATING DATA			
	kVA	MIN SEC VOLTAGE	3/4" CONDUIT		4" CONDUIT		REINFORCING BARS (FT)	CONCRETE (CU YD)		
			MAX NUMBER	MAX NUMBER	MAX NUMBER	MAX NUMBER				
.A	75	150	208/120	8888	6	8888	6	180	0.75	
			240/120							
			480/277							
.B	500	750	208/120	8888	9	8888	9	180	0.75	
			240/120							
			480/277							
.B	500	1000	208/120	8888	16	8888	12	240	2.80	
			240/120							

ITEM	CAT ID	DESCRIPTION	TABLE-1	CAT ID	UNIT	QUANTITY
A		GROUNDING INSTALLATION	C8550..GO			1 1
C		WIRE, COPPER, OVERHEAD, BARE, 1/0, 19 STR, SOFT DRAWN TINNED, 3	(1)	0000355082	FT	55 60
D		CONNECTOR, COMPRESSION, 1/0 OR 2/0 STR CU. RUN & TAP, BURNDY C		0000368545	EA	1 1

PRESSING TABLE (18)		
ITEM	TOOL & DIE	NO. OF CRIMPS
D	U-0	1
	U-E	3

NOTES:
APPLICATION

- THIS STANDARD SHALL BE USED FOR THE INSTALLATION OF AN ELECTRIC SERVICE STATION FOUNDATION AS DESCRIBED IN "ComEd's GENERAL TERMS AND CONDITIONS".

SUPPLEMENTARY MATERIAL

- WHEN BARE LEAD COVERED CABLES ARE LOCATED OR PLANNED WITHIN 200 FEET, OMIT ITEM "C" AND REPLACE WITH 1/0 LEAD CLAD COPPER CONDUCTOR (CATID 0000360809). SPECIFY STAINLESS STEEL GROUND RODS PER C8550.CGO.

- PRECAST ALTERNATIVES TO THIS POURED DESIGN MAY BE AVAILABLE. CONTACT DISTRIBUTION STANDARDS.

INFORMATION

- THE CUSTOMER TO INSTALL THE TRANSFORMER FOUNDATION, 1 INCH CONDUITS, AND TRENCH FOR ComEd GROUND WIRE.
- ComEd TO PROVIDE, INSTALL, AND TEST THE GROUND WIRE AND RODS.
- AFTER PRIMARY AND SECONDARY CONDUITS ARE IN PLACE, BACKFILL WITH SCREENINGS, SAND, OR FINE EXCAVATED MATERIAL. COMPACT THOROUGHLY BEFORE POURING FOUNDATION.
- CONCRETE TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPLICABLE ACI CODE AND AIR ENTRAINMENT. IT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. AIR ENTRAINMENT SHALL BE 4 TO 7 PERCENT OF THE VOLUME OF CONCRETE.

- TOP OF FOUNDATION TO BE SMOOTH AND LEVEL.
- GRADE AWAY FROM FOUNDATION. FINAL GRADE SHALL BE WELL DRAINED AT ALL TIMES.
- PRIMARY AND SECONDARY CONDUIT MUST COME THROUGH FOUNDATION IN DESIGNATED AREAS. DEVIATIONS FROM THE DESIGN AS SHOWN MUST HAVE ComEd APPROVAL.
- SEE C7723 FOR BURNDY-HUSKY DIE SET CROSS REFERENCE.
- DO NOT PLACE CONDUITS UNDER THIS SECTION OF FOUNDATION IF AVOIDABLE.
- DO NOT DISTURB GROUND IN FOUNDATION AREA MORE THAN NECESSARY WHEN INSTALLING CONDUIT.
- TERMINATE PRIMARY AND SECONDARY CONDUITS FLUSH WITH TOP OF FOUNDATION.
- BOX OUT PRIMARY CONDUIT OPENING.
- BOX OUT SECONDARY CONDUIT OPENING.
- MAXIMUM NUMBER OF CONDUITS IS BASED UPON NUMBER OF TERMINATIONS ALLOWED ON SECONDARY TERMINAL.
- CONSULT SPILL PREVENTION, CONTROL AND COUNTERMEASURES (SPCC) PROGRAM OR ENVIRONMENTAL SERVICES IF TOTAL OIL CAPACITY EQUAL TO OR EXCEEDING 1320 GALLONS EXISTS OR IS PLANNED AT ESS SITE.

ACAD

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ComEd SYSTEM STANDARD

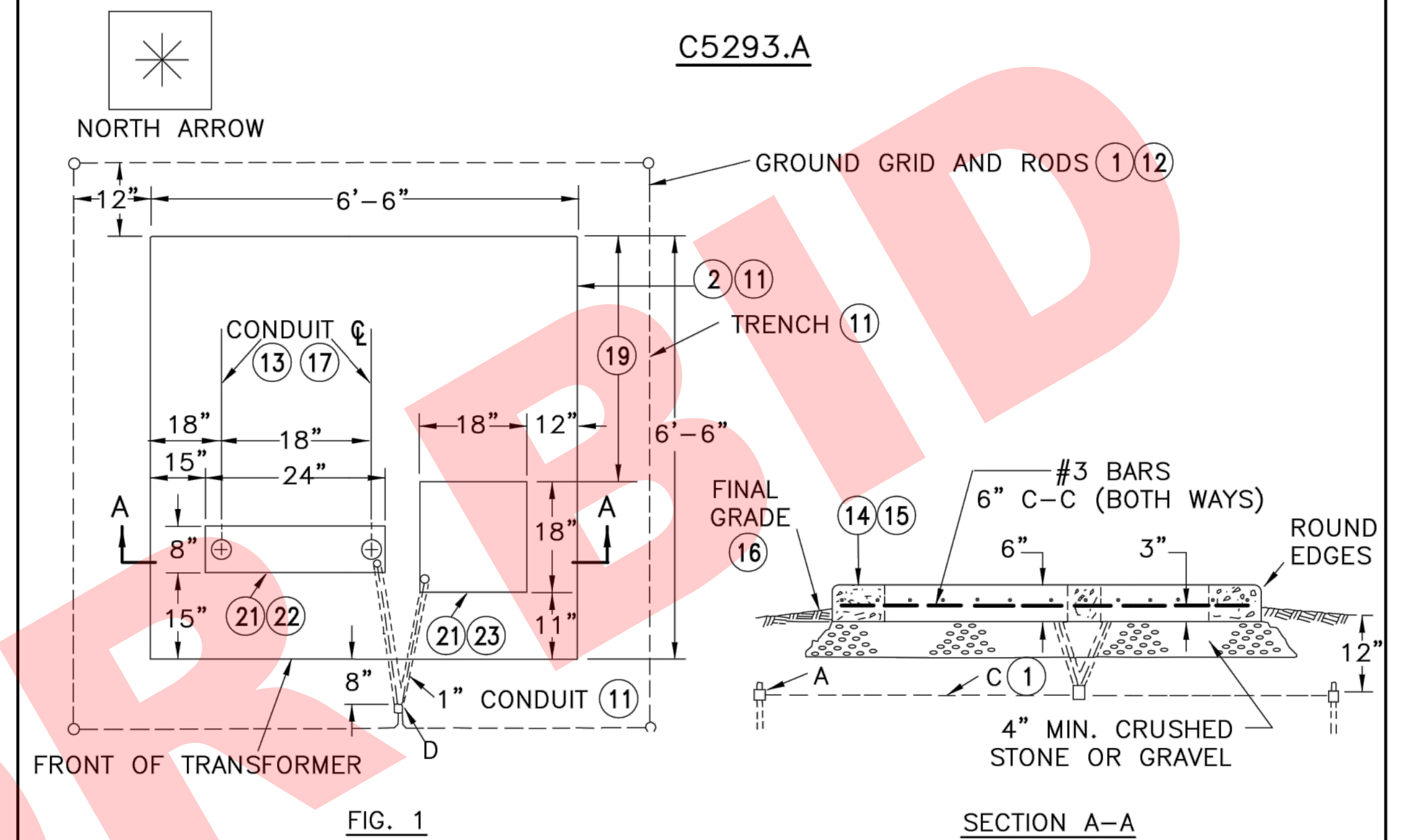


FIG. 1

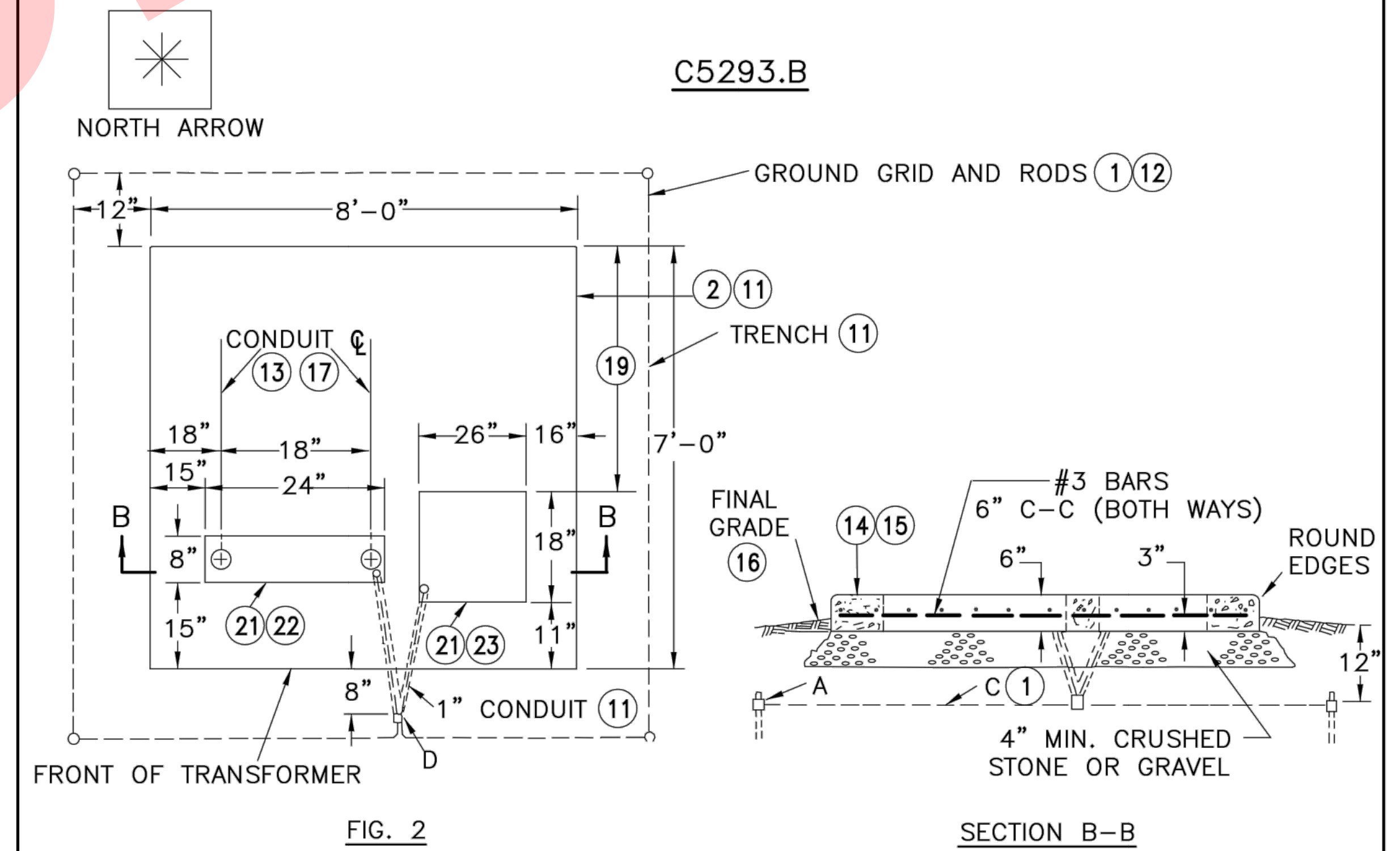
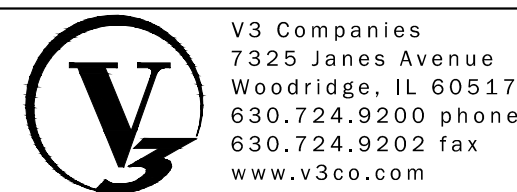


FIG. 2

ACAD

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ComEd SYSTEM STANDARD



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CHECKED - DLM	REVISED -
DATE - 04-27-18	REVISED -

JACKSON POND OVERFLOW PROJECT

ELECTRICAL DETAILS

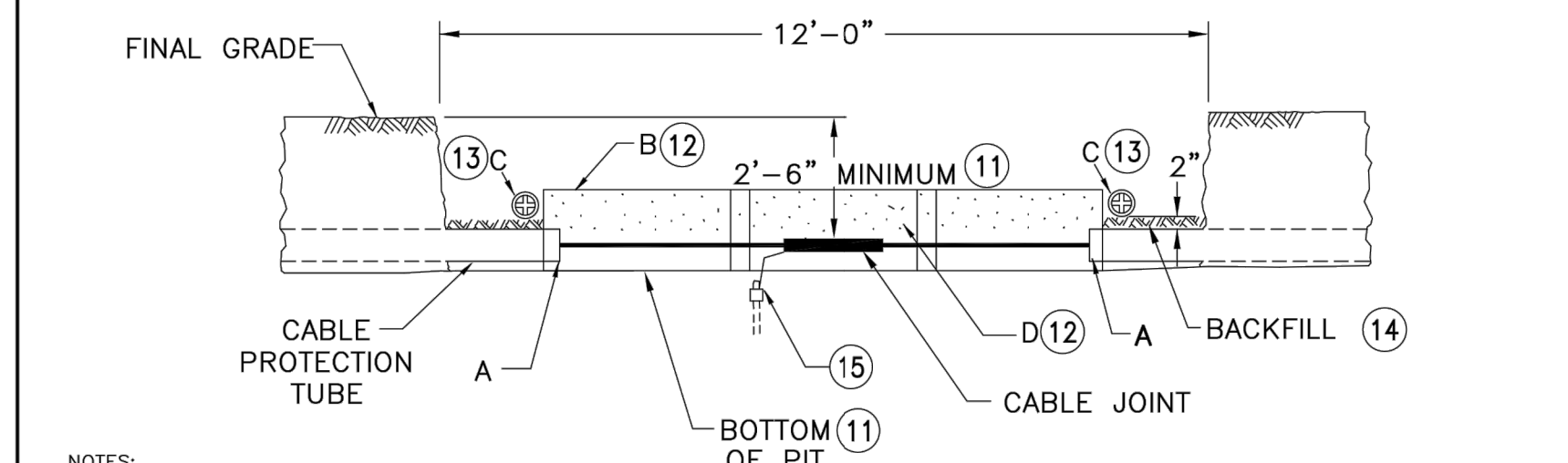
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	33	33
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

JOINT COVER/SPLICE BOX

TYPE OF INSTALLATION

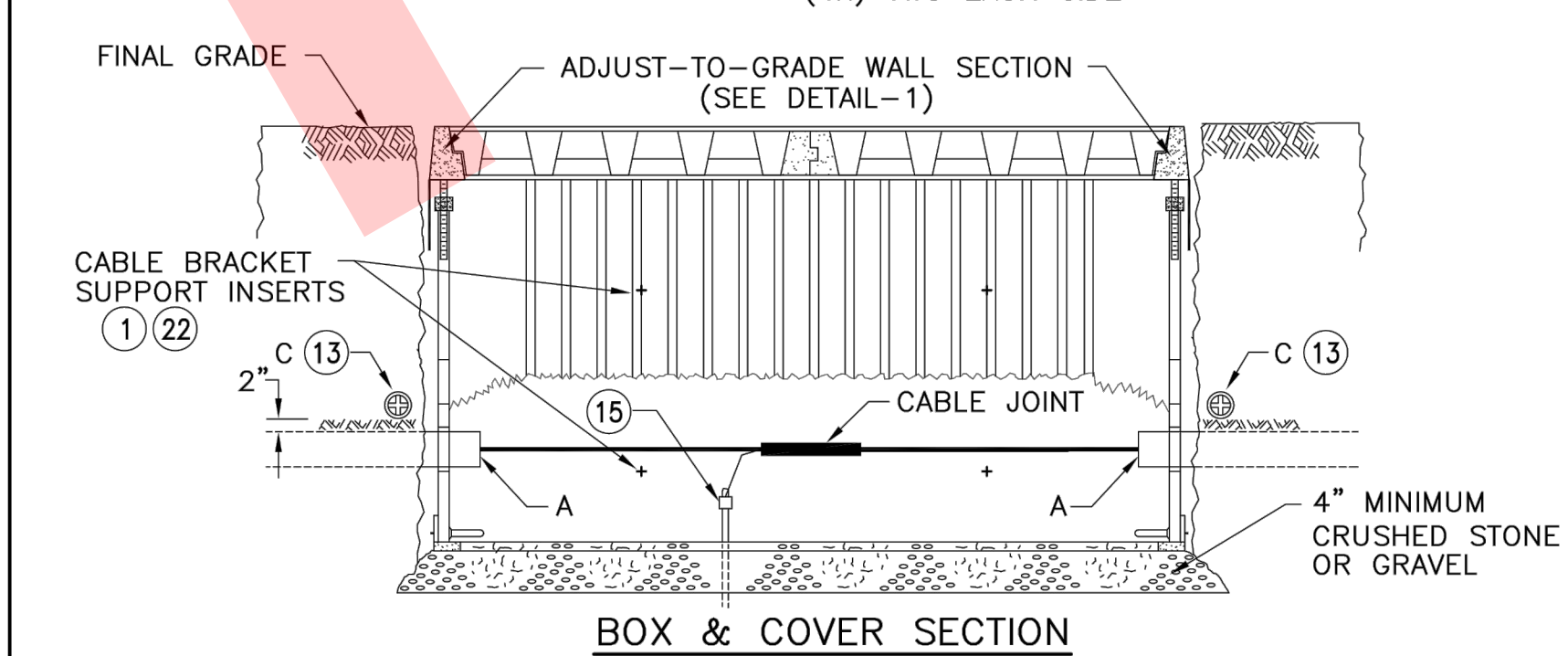
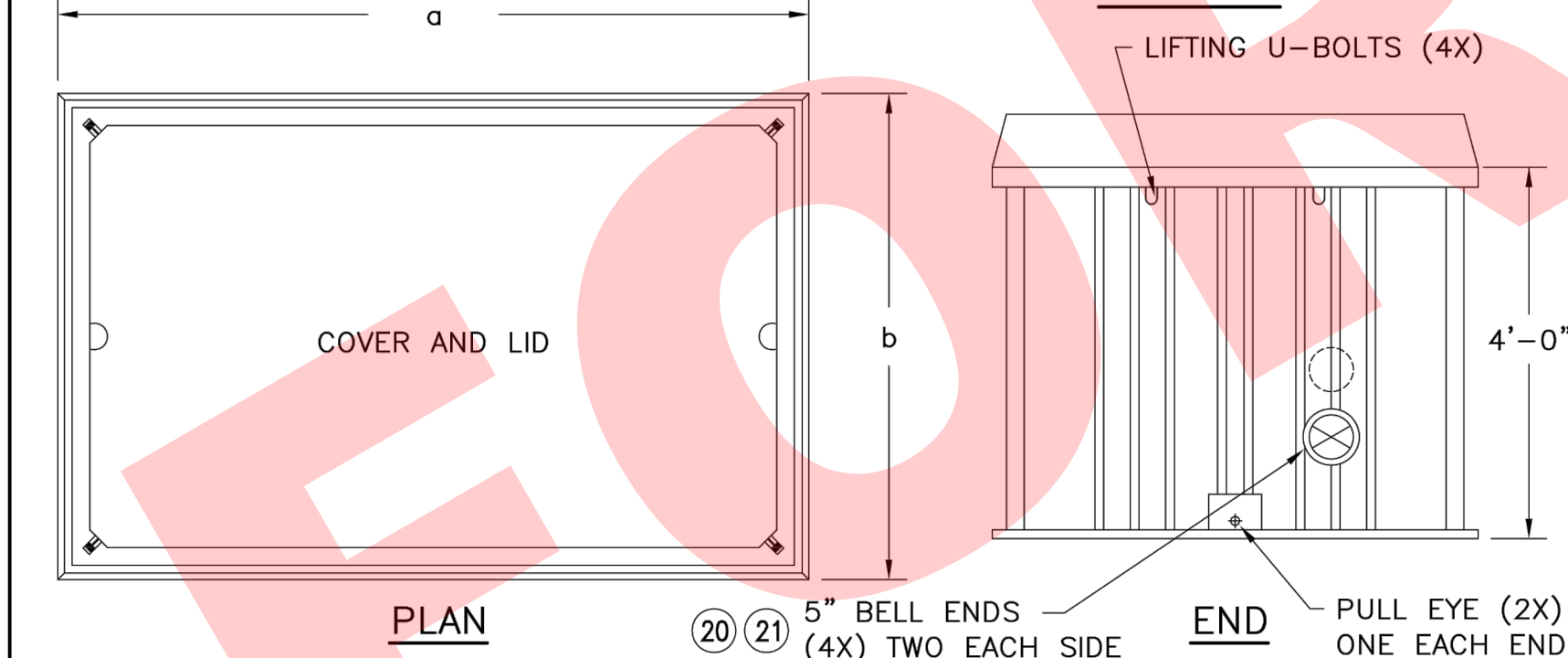
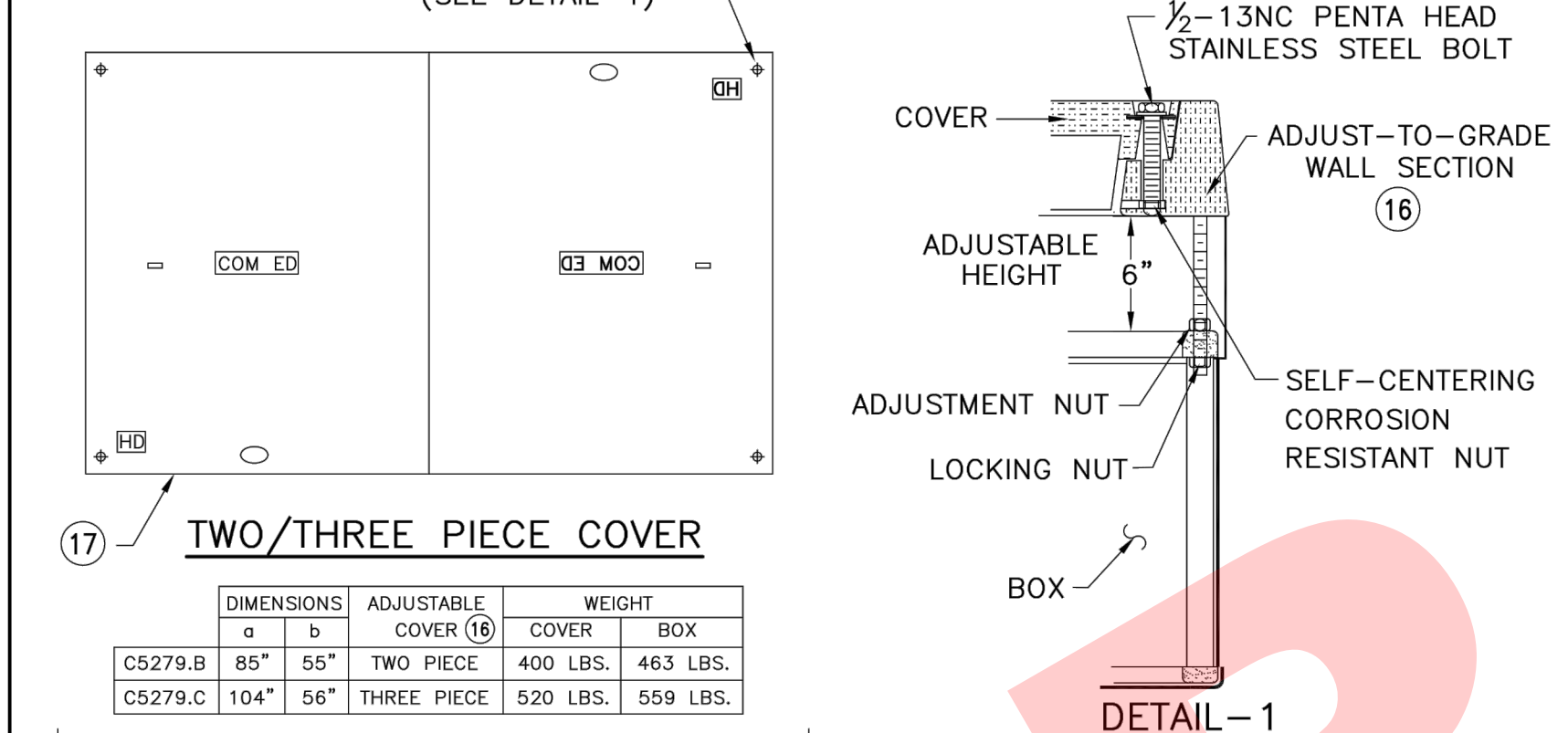
C5279.A JOINT COVER (3-1/C 750kcmil STRAIGHT JOINTS MAXIMUM)
 .B TWO-PIECE COVER SPLICE BOX (3-1/C 500kcmil STRAIGHT JOINTS AND BELOW)
 .C THREE-PIECE COVER SPLICE BOX (3-1/C 750kcmil STRAIGHT JOINTS MAXIMUM)
 .D TWO-PIECE COVER SPLICE BOX (3-1/C 3/O STRAIGHT JOINTS MAXIMUM)

ITEM	CAT ID	DESCRIPTION	TABLE-1	CAT ID	UNIT	QUANTITY		
						A	B	C/D
A	CONDUIT CABLE SEALING FOAM	CS194.A				2	4	4
B	BOX, SPLICE, 48 X 78 X 48 IN., STRAIGHT HEAVY DUTY, ADJUSTABLE	0000383280	EA			1		
	COVER, CABLE JOINT, 12 IN. HIGH X 12 IN. WIDE X 36 IN. LONG, P	0000655149	EA			3		
	BOX, SPLICE, 48 X 96 X 48 IN., STRAIGHT HEAVY DUTY, ADJUSTABLE	0000383279	EA			1		
	BOX, SPLICE, 30 X 60 X 24 OPENING, HEAVY DUTY, 3-4 IN. KNOCKOUT	0001604280	EA			1		
C	MARKER, ELECTRONIC, MID-RANGE, RED, 4.5 IN. DIAMETER, POLYETHY	0000649202	EA			2	2	2
D	SAND, TORPEDO, NO. 2, KILN DRIED, 60 LB. BAG, IN MOISTURE RESI	0000701021	BG			16		
E	SUPPORT, BRACKET, 24 IN. CHANNEL, STEEL, GALVANIZED, JOSLYN J2	0000392067	EA			2	2	
F	ANCHOR, CONCRETE, 1/2-13, LENGTH 4-1/4 IN., NO WASHER AND NUT	0000381064	EA			4	4	
G	WASHER, FLAT, 1/2 IN., 18/8 AUSTENITIC STAINLESS STEEL, ANSI/A	0000530427	EA			4	4	
H	WASHER, PLASTIC, 1/2 IN., PVC	0000381600	EA			4	4	
J	NUT, HEAVY HEX, 1/2 -13, AUSTENITIC ALLOY 304 STAINLESS STEEL	0000530445	EA			4	4	
K	BRACKET, CABLE, 23-1/2 IN. LONG X 6 IN., STEEL, HOT GALVANIZED	0000392007	EA			2	2	
L	SADDLE, CABLE, 5-1/2 IN. INSULATING HIGH DENSITY POLYETHYLENE	0000392024	EA			4	4	
M	PIN, COTTER, 3/16 IN. DIA. X 4 IN. LONG, STAINLESS STEEL	0000531994	EA			4	4	

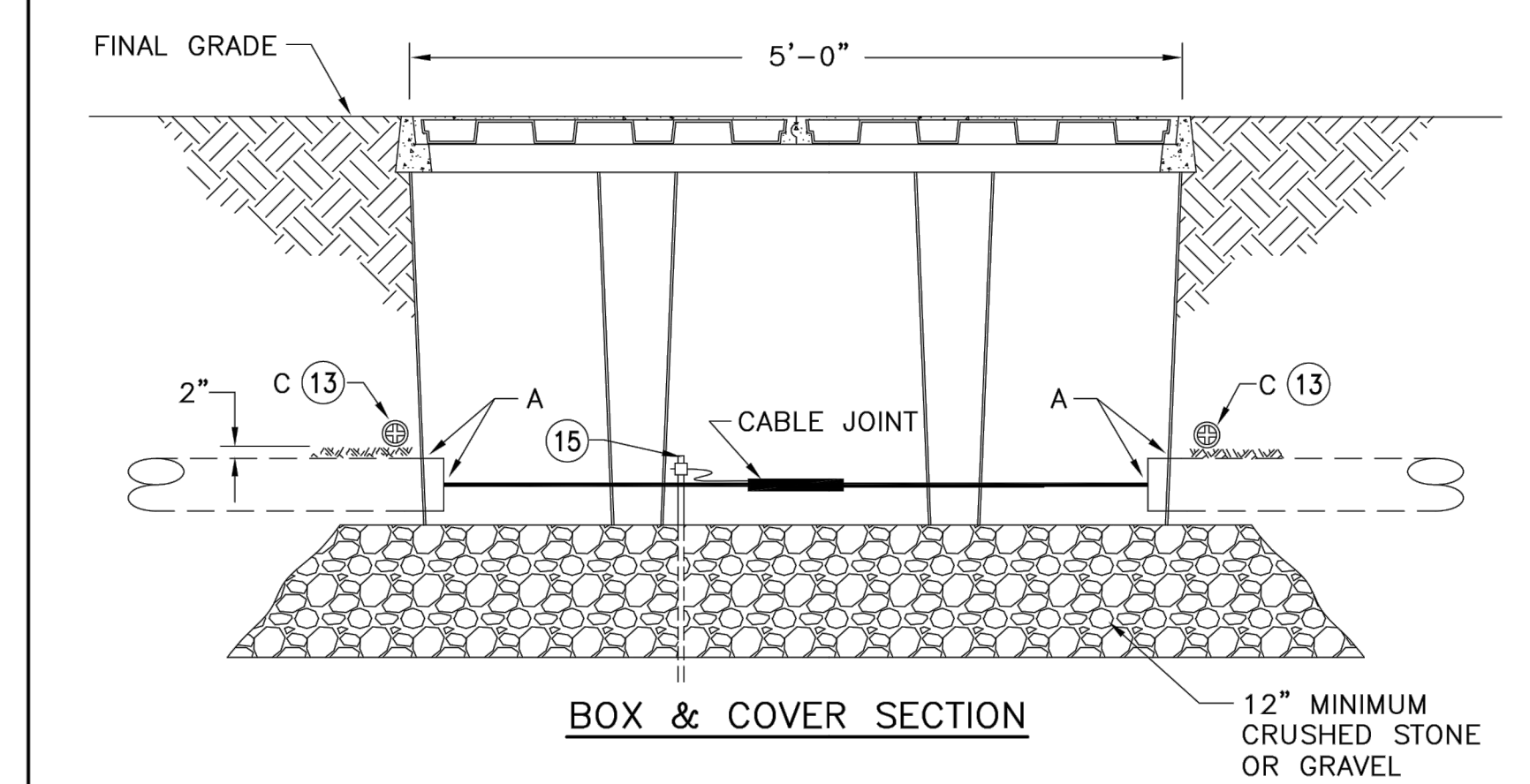
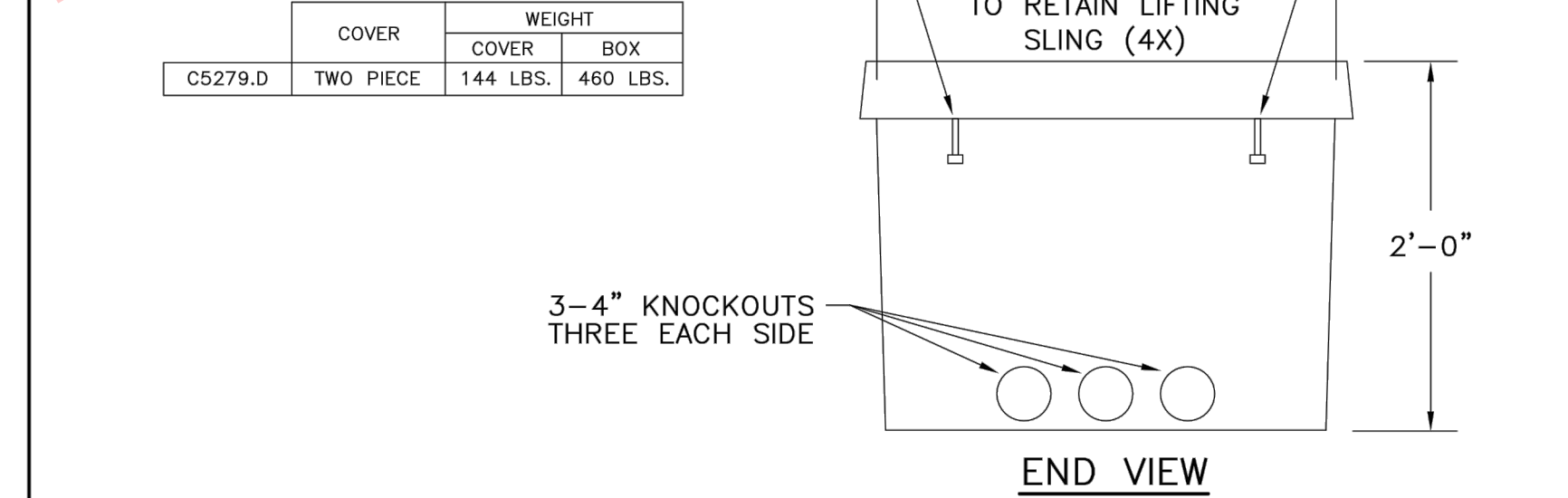
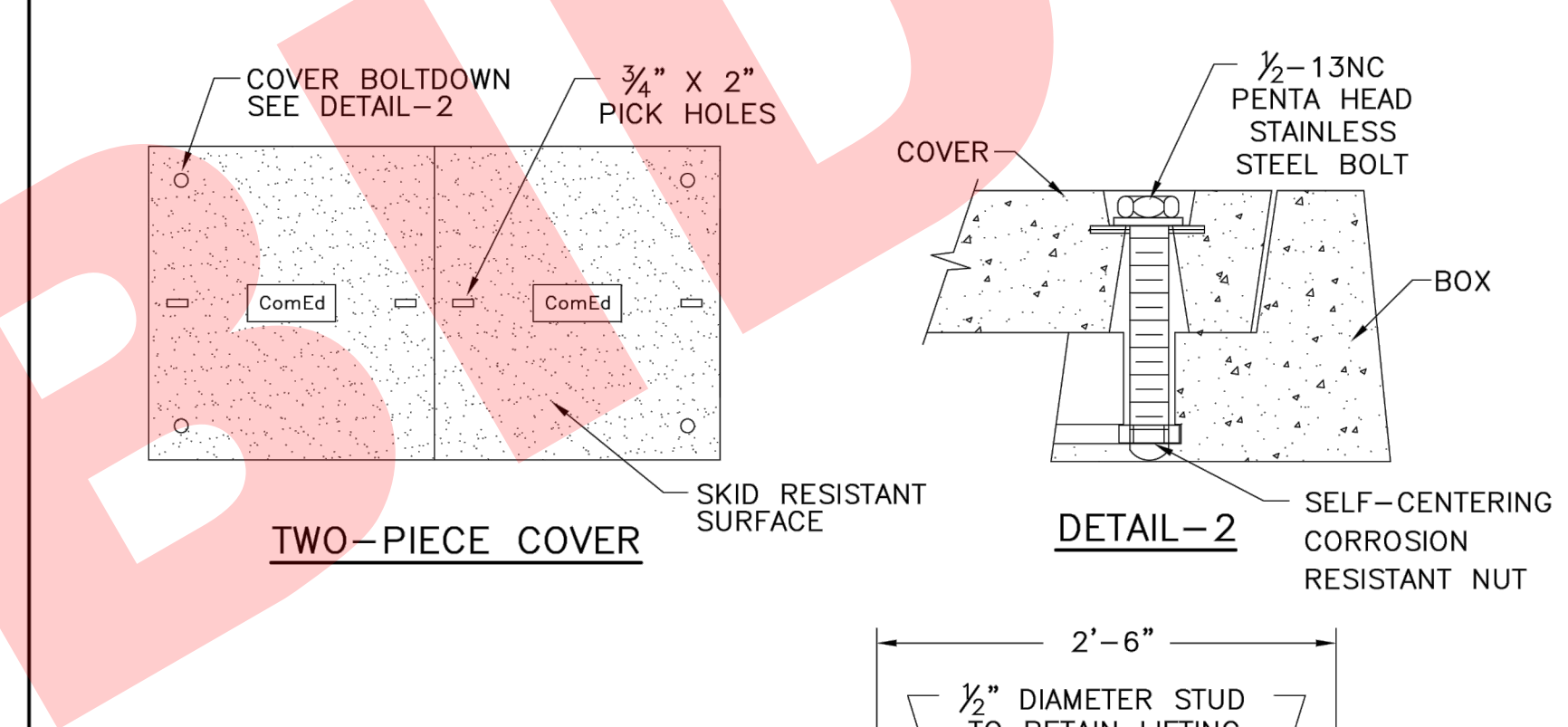


- NOTES:
- APPLICATION
- THIS STANDARD SHALL BE USED WHEN COVERING STRAIGHT JOINTS IN A SPLICE PIT OR SPLICE BOX. SPLICE BOX FOR USE IN PAVED AND UNPAVED PARKWAYS, NOT FOR USE IN STREETS.
- SUPPLEMENTARY MATERIAL
- FOR ADDITIONAL CABLE SUPPORTS AND INSTALLATION SEE C5050.
 - ANCHOR INSTALLATION INFORMATION IS SHOWN ON C5266.
- INFORMATION
- BOTTOM OF SPLICE-PIT SHALL BE UNDISTURBED OR WELL TAMPED EARTH FREE FROM ROCKS OR DEBRIS.
 - COVER CABLE AND JOINTS WITH SAND BEFORE INSTALLING COVERS.
 - LAY ELECTRONIC MARKER AT END OF CABLE PROTECTION TUBE ON APPROXIMATELY 2 INCHES OF BACKFILL.
 - BACKFILL SHALL BE FREE OF STONES, BROKEN GLASS, CANS, OR OTHER DEBRIS THAT MIGHT DAMAGE THE CABLE. IF THIS IS NOT AVAILABLE, SAND MAY BE SUBSTITUTED.
 - JACKETED CABLE REQUIRES AT LEAST EIGHT GROUNDS WITHIN A MILE WITH 600 FEET MAXIMUM SEPARATION. INSTALL GROUND AT CABLE JOINT PER JOINT STANDARD.
 - TO OBTAIN NONADJUSTABLE COVERS CONTACT DISTRIBUTION STANDARDS.
 - FOR CUSTOMER OWNED INSTALLATIONS, CONTACT DISTRIBUTION STANDARDS FOR APPROVED SUPPLIERS.
- THE BOTTOM OF THE EXCAVATION SHOULD BE FIRM, UNDISTURBED, OR COMPACTED EARTH, LEVELED WITHOUT ANY LARGE ROCKS OR OBSTRUCTIONS THAT WOULD PREVENT THE SPLICE BOX FROM SETTING LEVEL. THE SIZE OF THE HOLE AND WHETHER OR NOT SHORING IS NECESSARY WILL DEPEND ON SOIL CONDITIONS AND LOCAL CONSTRUCTION CODES. IT NEEDS TO BE LARGE ENOUGH FOR INSTALLATION OF A GROUND ROD (IN DISTURBED SOILS) AND TO ENABLE THE SPLICE BOX TO BE INSTALLED WITHOUT DISTURBING THE SIDEWALLS.
 - REPLACEMENT OF PAVING, CURBS, OR SIDEWALKS REMOVED BECAUSE OF SPLICE BOX CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH MUNICIPAL OR STATE REQUIREMENTS. SAND OR OTHER LOCALLY APPROVED MATERIAL SHALL BE USED AS BACKFILL EXCEPT WHEN THE EXCAVATED MATERIAL IS FINE AND DRY, CAN BE WELL COMPACTED, AND WILL NOT SETTLE AFTER PAVEMENT IS RESTORED. ALL BACKFILL AREAS SHALL BE THOROUGHLY COMPACTED AND FLOODED.
 - PLASTIC CONDUIT ENTRANCE BELLS ARE CAST IN WINDOW WALL AREA TO ACCEPT 5 INCH PLASTIC CONDUIT. ENTRANCE BELLS ARE DESIGNED WITH A REMOVABLE MEMBRANE TO BE REMOVED AT THE TIME OF CABLE INSTALLATION.
 - FOR OTHER CONDUIT SIZES SPECIFY BELL SIZE WHEN ORDERING SPLICE BOX. CONTACT DISTRIBUTION STANDARDS.
 - INSTALL ONLY CABLE BRACKETS AND SUPPORTS OF LIKE MATERIALS (ALL GALVANIZED OR ALL BRONZE) WITHIN THE SAME UNDERGROUND STRUCTURE.

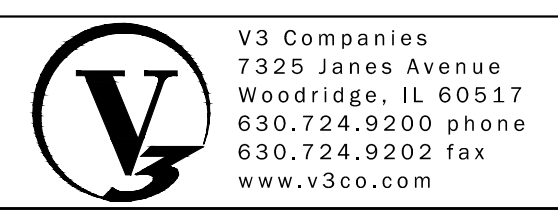
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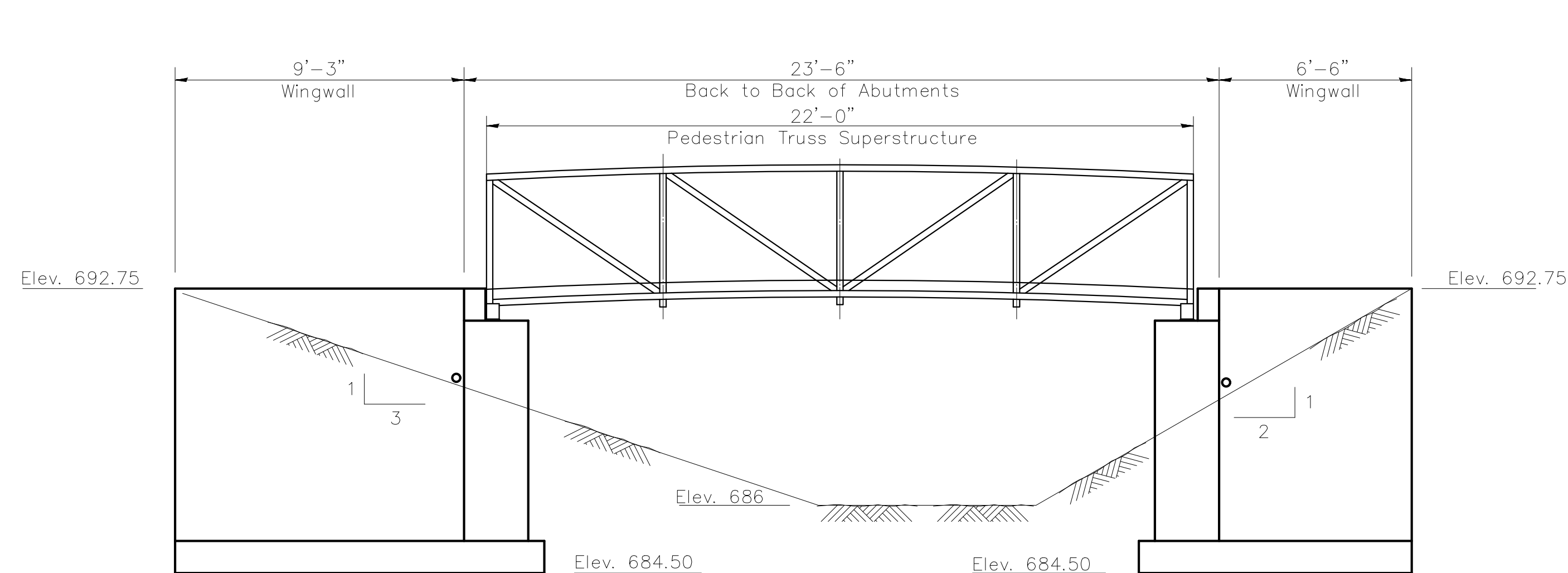
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CHECKED	— DLM	REVISED	—
DATE	— 04-27-18	REVISED	—

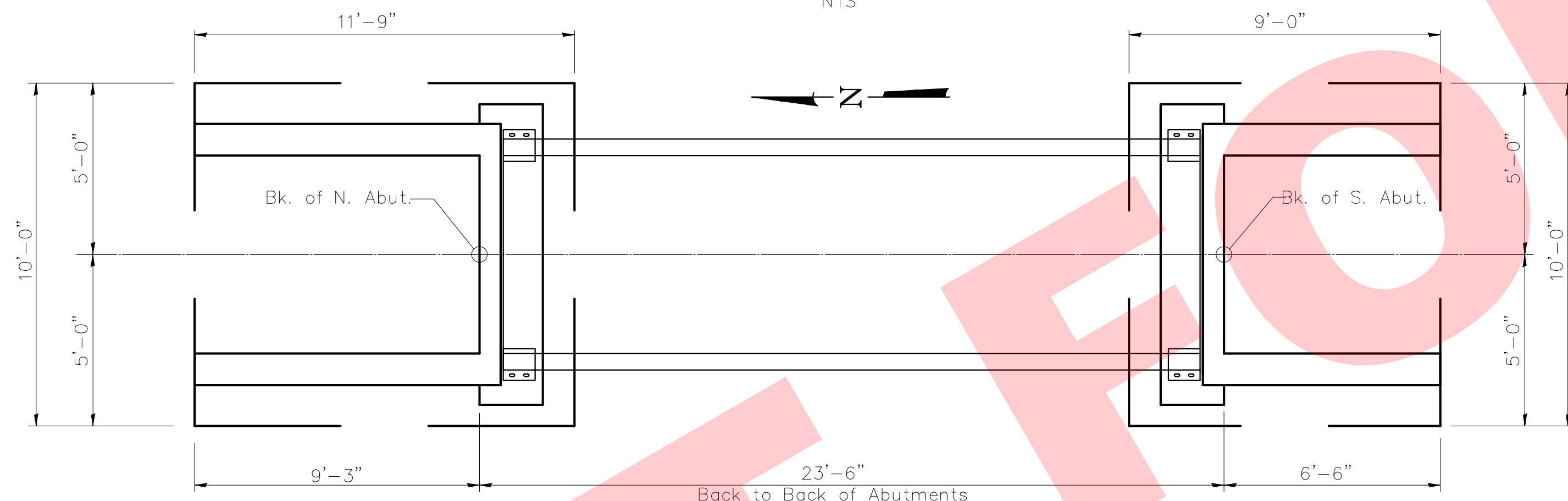
JACKSON POND OVERFLOW PROJECT

ELECTRICAL DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	34	34
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Looking East)
NTS



PLAN
NTS

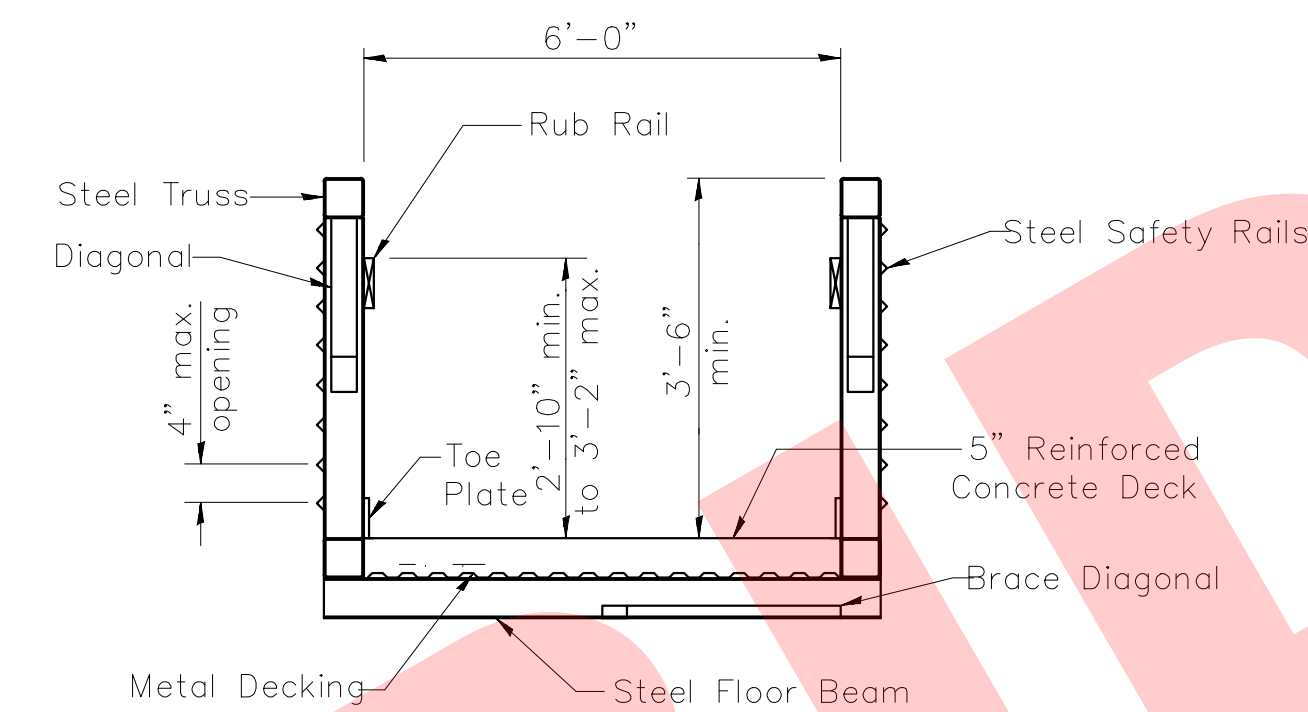
BRIDGE REACTIONS
(-upward,+downward)

The abutments were designed based on the following loadings provided by Contech Bridge Solutions

	P (Lbs.)	H (Lbs.)	L (Lbs.)
Dead Load	+2,875	—	—
Uniform Live Load	+2,970	—	—
Vehicle Load	+3,000	—	—
Wind Uplift - Windward (20 PSF)	-1,075	—	—
Wind Uplift - Leeward (20 PSF)	-380	—	—
Wind	1515	1,510	—
Thermal	—	—	1,010

*P - Vertical load each base plate (4 per bridge)
*H - Horizontal load each footing (2 per bridge)
*L - Longitudinal load each base plate (4 per bridge)

Bridge Lifting weight without weight of concrete deck: 4,100 Lbs.
Bridge Lifting weight with weight of concrete deck: 11,500 Lbs.



SECTION THRU
PEDESTRIAN TRUSS SUPERSTRUCTURE
NTS

GENERAL NOTES

It shall be the Contractor's responsibility to verify all dimensions, elevations and conditions existing prior to construction and/or ordering of materials.
All Construction to conform to the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction adopted on April 1, 2016 and the Supplemental Specifications and Recurring Special Provisions.
Excavation Contractor to notify J.U.L.I.E. (1-800-892-0123) 48 hours prior to excavation work. Reinforcement bars designated (E) shall be epoxy coated.
No field welding is permitted except as specified in contract documents.
Bridge installation shall be in accordance with the bridge manufacturer's shop drawings, instructions, and/or recommendations. The Contractor shall provide all materials, labor and equipment to completely install the prefabricated bridge and make the proper connections to the abutments. The Contractor shall coordinate all construction, delivery and installation of the bridge with the manufacturer.
Bridge manufacturer shall provide all shop and fabrication drawings. Final drawings shall be prepared by and sealed by an Illinois Licensed Structural Engineer.
Exact dimensions of bridge components to be provided by bridge manufacturer.
The abutments as shown on the drawings have been designed for the Contech Bridge Solutions Pedestrian Truss Superstructure. Contractor will be responsible for modifications to plans and engineering for alternate truss superstructure supplier. The Contractor shall retain services of a State of Illinois Licensed Structural Engineer for the design of alterations or modifications of the abutments as required to accommodate an alternate truss superstructure supplier.
All miscellaneous items and incidentals are not specified on these drawings. Contractor is responsible for obtaining and installing all materials, miscellaneous items and incidentals for completion of the bridge to a functional and acceptable state. Miscellaneous items and incidentals will not be measured for payment.
The 5" Concrete Deck, reinforcement in deck and metal decking is included in the cost of the Pedestrian Truss Superstructure, concrete to be IDOT class BS. Concrete Deck, reinforcement in deck, and metal decking to be designed and detailed by Bridge Manufacturer's Illinois Licensed Structural Engineer.
All footings must be poured on undisturbed soil with minimum safe bearing capacity of 2500 PSF. At the Contractor's expense the bearing capacity shall be field verified by a soils technician under the direction of an Illinois Licensed Professional Geotechnical Engineer. If the Geotechnical Engineer finds the soil unsuitable the Contractor shall follow the Geotechnical Engineer's recommendations to achieve 2500 PSF bearing capacity. If the bearing capacity cannot be achieved then the Engineer should be notified for redesign by the Geotechnical Engineer.

TOTAL BILL OF MATERIAL

PAY ITEM NO.	ITEM	UNIT	SUPER	SUB	TOTAL
20700220	Porous Granular Embankment	Cu. Yd.	—	45	45
50200100	Structure Excavation	Cu. Yd.	—	127	127
50300225	Concrete Structures	Cu. Yd.	—	26	26
50800205	Reinforcement Bars, Epoxy Coated	Pound	—	3,880	3,880
*X0322508	Pedestrian Truss Superstructure	Sq. Ft.	141.0	—	141.0

*Denotes Pay Item governed by Special Provision

INDEX OF SHEETS

- 36 Pedestrian Bridge Plan and Elevation
- 37 Pedestrian Bridge North Abutment
- 38 Pedestrian Bridge South Abutment

CONSTRUCTION SPECIFICATIONS

Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Adopted Jan. 1, 2016

Illinois Department of Transportation Supplemental Specifications and Recurring Special Provisions Adopted Jan. 1, 2018

Illinois Department of Transportation Guide Bridge Special Provisions (GBSP's)

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specification 8th Edition
AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges, 2nd Edition December 2009 with 2015 Interim Revisions

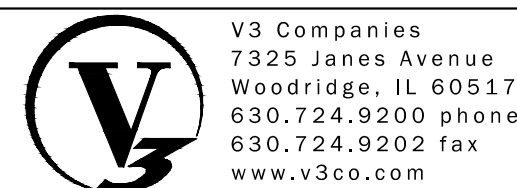
LOADING

90 psf Uniform Live Load (Pedestrian)

DESIGN STRESSES

$f'_c = 3,500$ psi
 $f'_c = 4,000$ psi (Deck only)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50W)

PEDESTRIAN BRIDGE PLAN AND ELEVATION



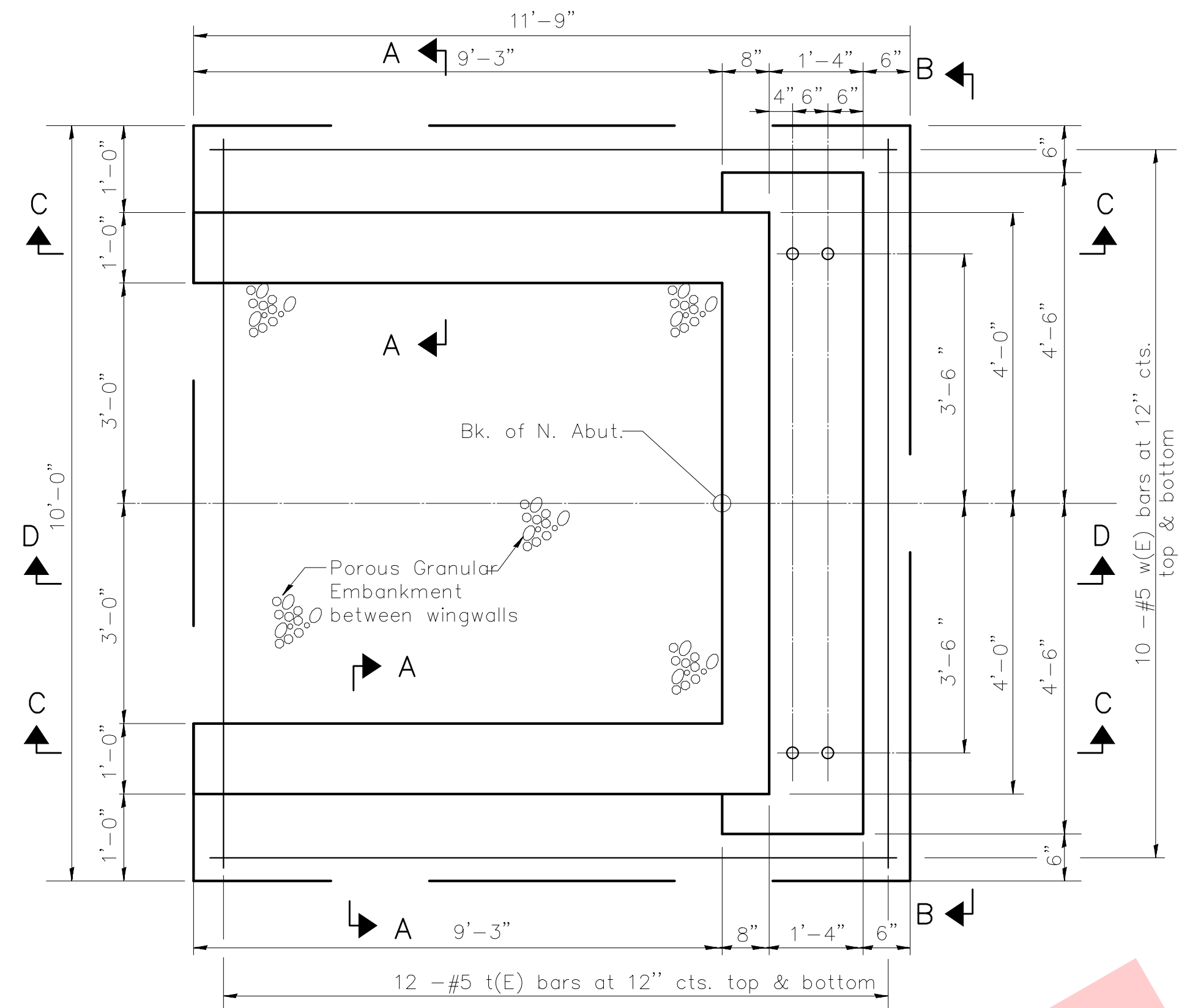
V3 Companies
7325 James Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

DESIGNED - CWH	REVISED -
DRAWN - LEH	REVISED -
CHECKED - DLM	REVISED -
DATE - 04-27-18	REVISED -

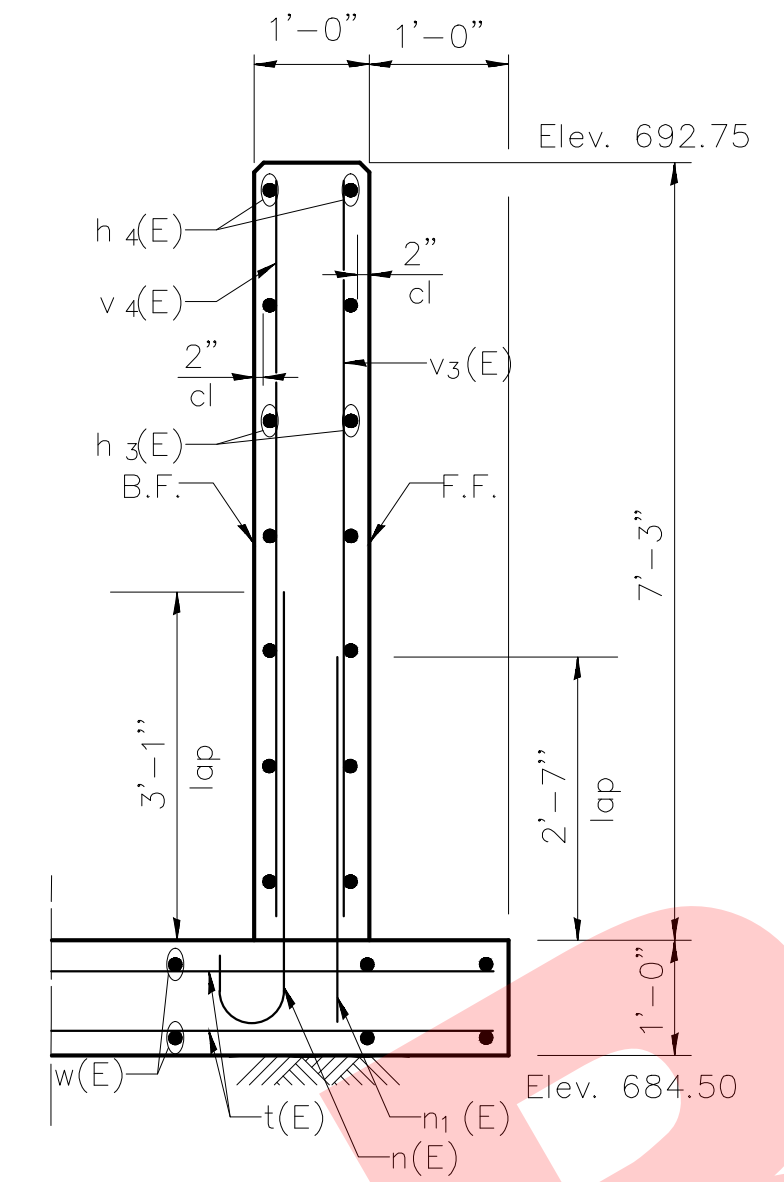
JACKSON POND OVERFLOW PROJECT

STRUCTURAL DETAILS

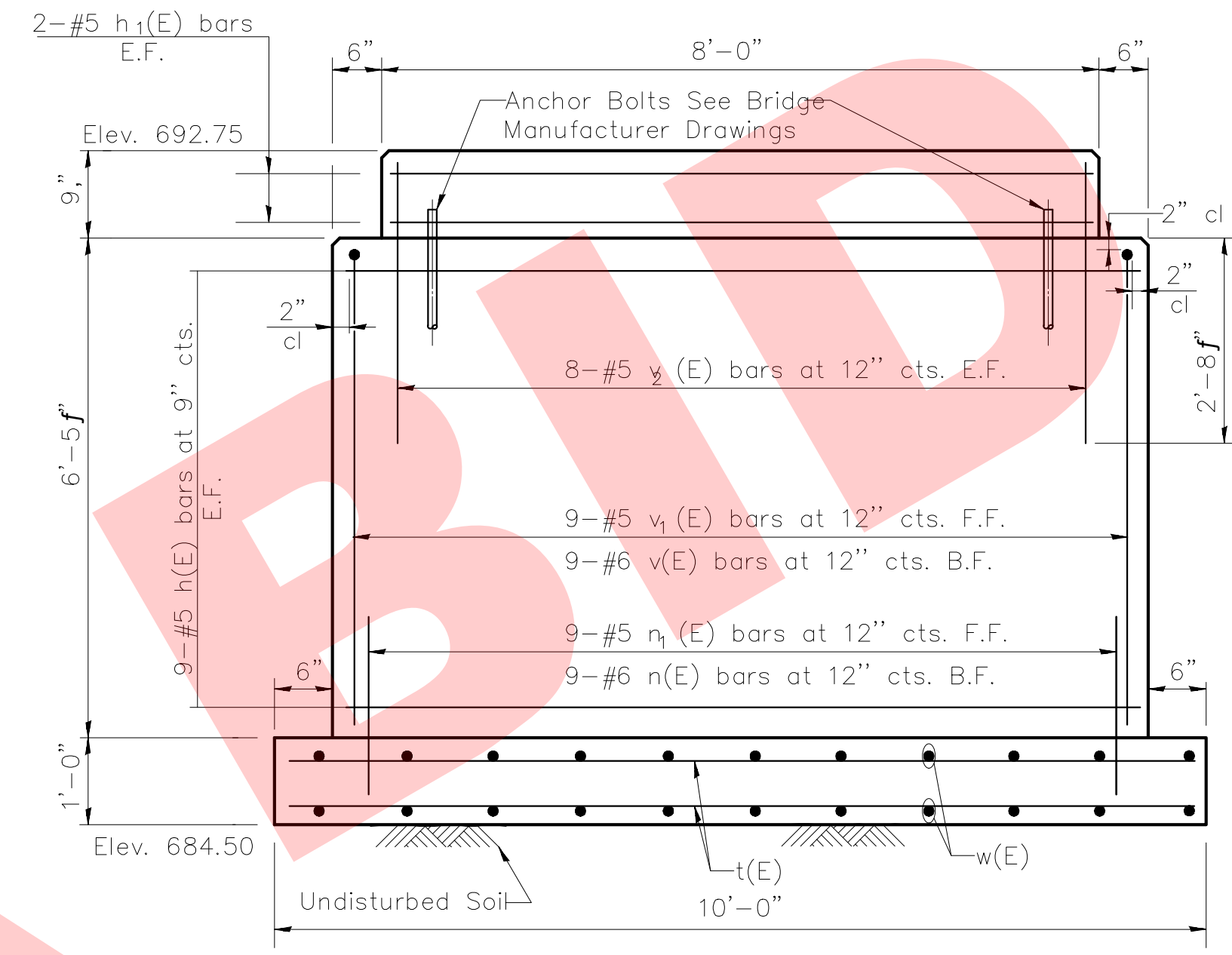
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CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



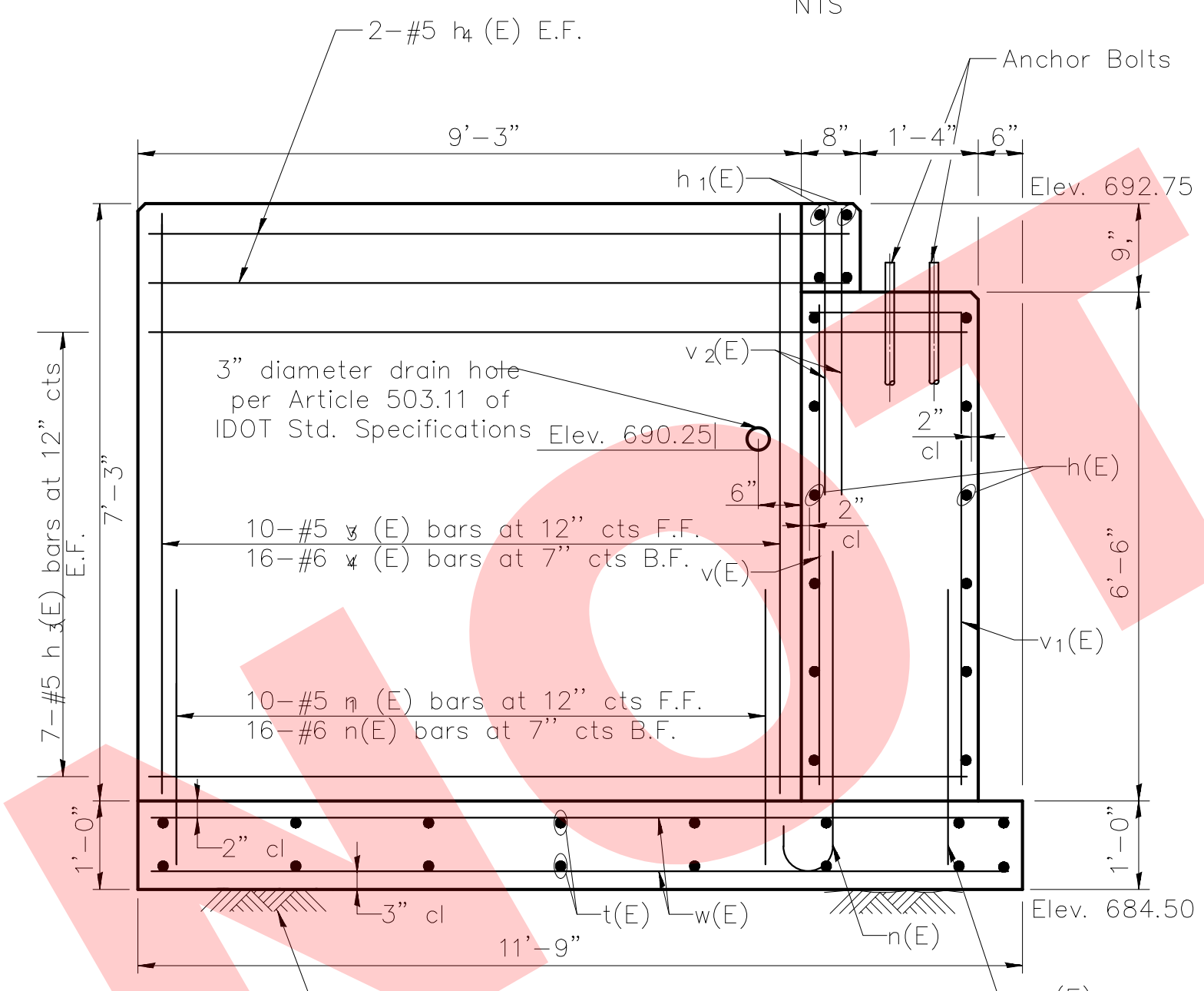
NORTH ABUTMENT PLAN
NTS



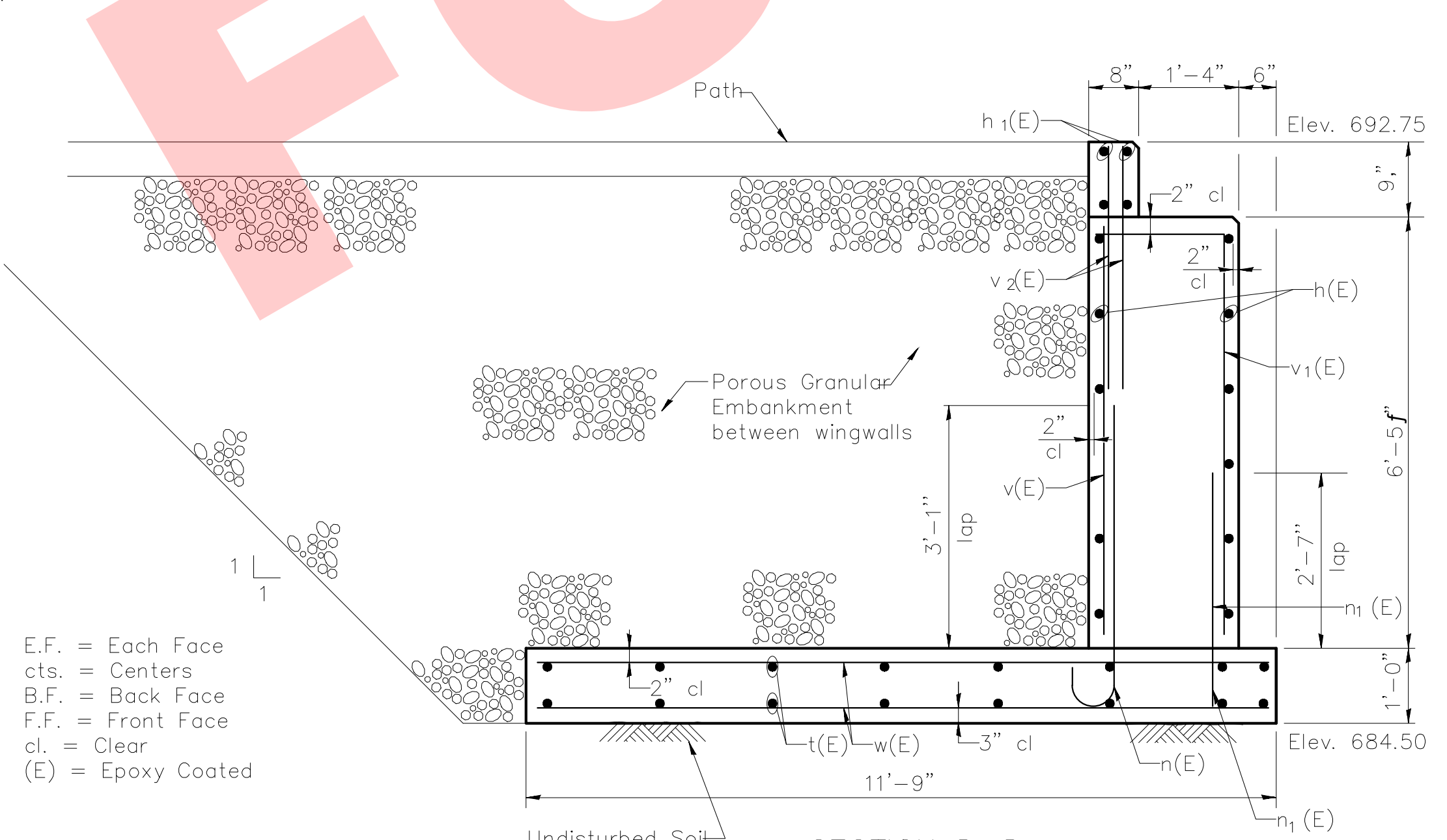
SECTION A-A
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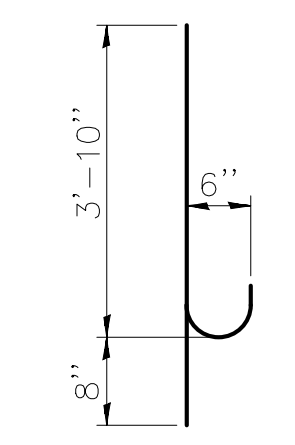
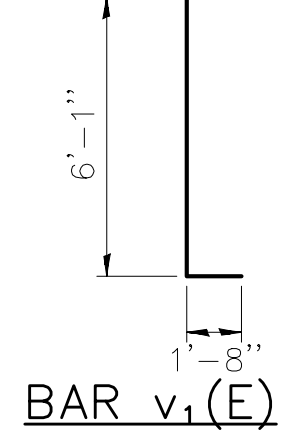
SECTION B-B
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SECTION C-C
NTS



SECTION D-D
NTS

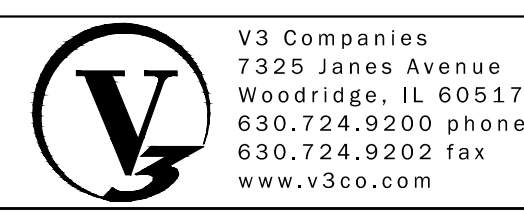


BILL OF MATERIAL

(North Abutment)

Bar	No.	Size	Length	Shape
h(E)	18	#5	8'-8"	—
h1(E)	4	#5	7'-8"	—
h3(E)	28	#5	10'-11"	—
h4(E)	8	#5	9'-7"	—
n(E)	41	#6	4'-6"	U
n1(E)	29	#5	3'-4"	—
t(E)	24	#5	9'-8"	—
v(E)	9	#6	6'-1"	—
v1(E)	9	#5	7'-9"	—
v2(E)	16	#5	3'-4"	—
v3(E)	20	#5	6'-11"	—
v4(E)	32	#6	6'-11"	—
w(E)	20	#5	11'-5"	—
Porous Granular Embankment			Cu. Yd.	24.3
Structure Excavation			Cu. Yd.	69.4
Concrete Structures			Cu. Yd.	13.8
Reinforcement Bars, Epoxy Coated			Pound	2,140

E.F. = Each Face
cts. = Centers
B.F. = Back Face
F.F. = Front Face
cl. = Clear
(E) = Epoxy Coated



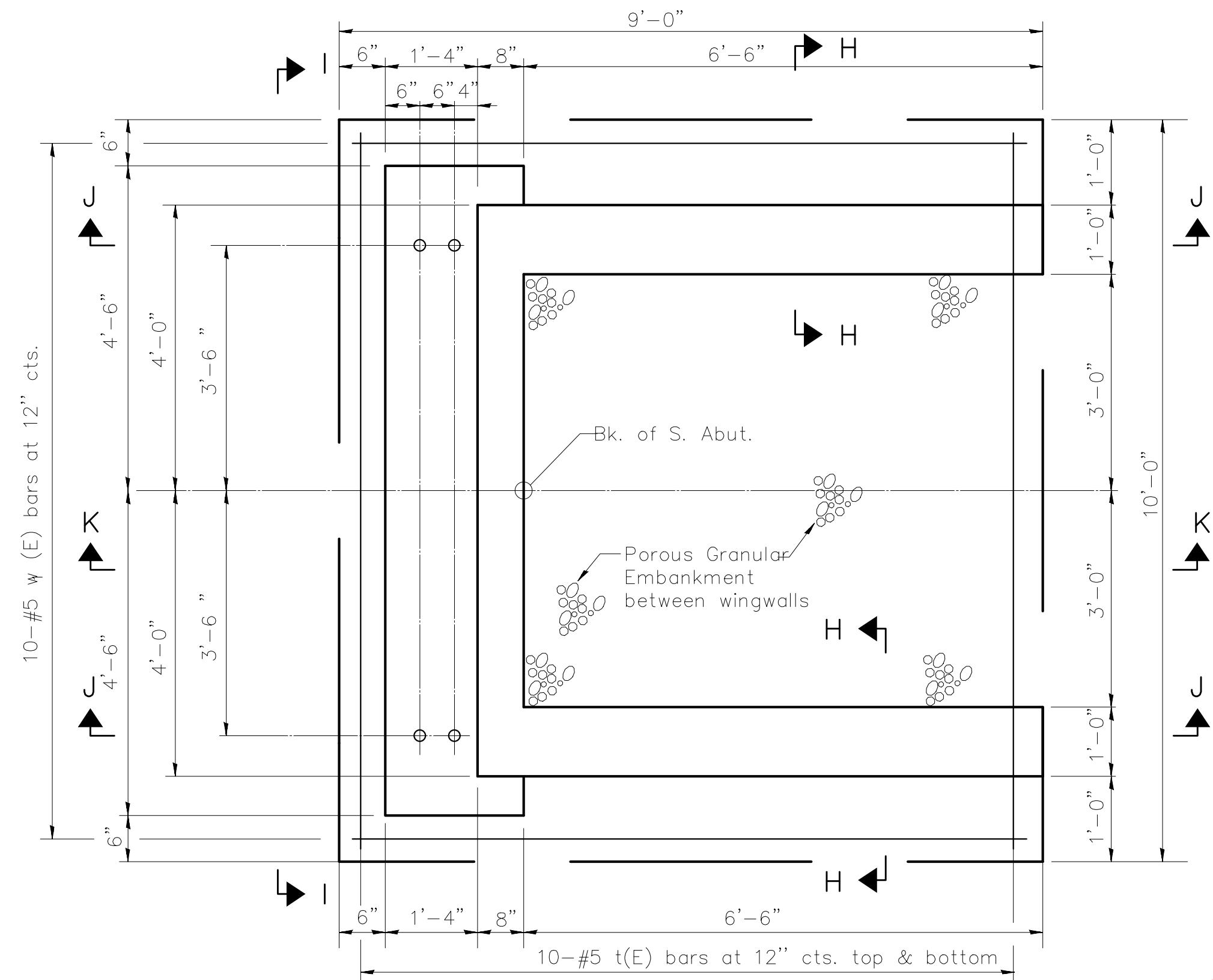
DESIGNED — CWH
DRAWN — LEH
CHECKED — DLM
DATE — 04-27-18

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REVIS —

JACKSON POND OVERFLOW PROJECT

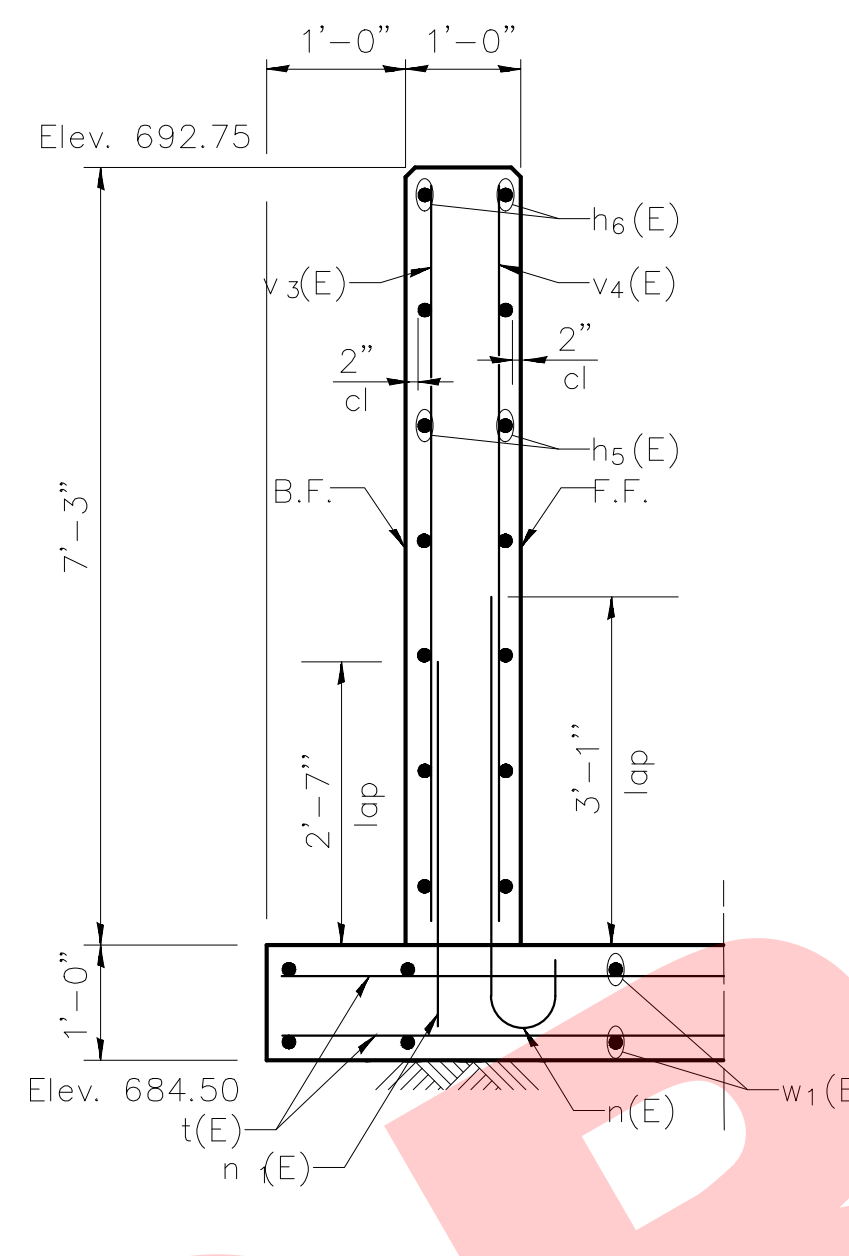
STRUCTURAL DETAILS

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ILLINOIS FED. AID PROJECT				



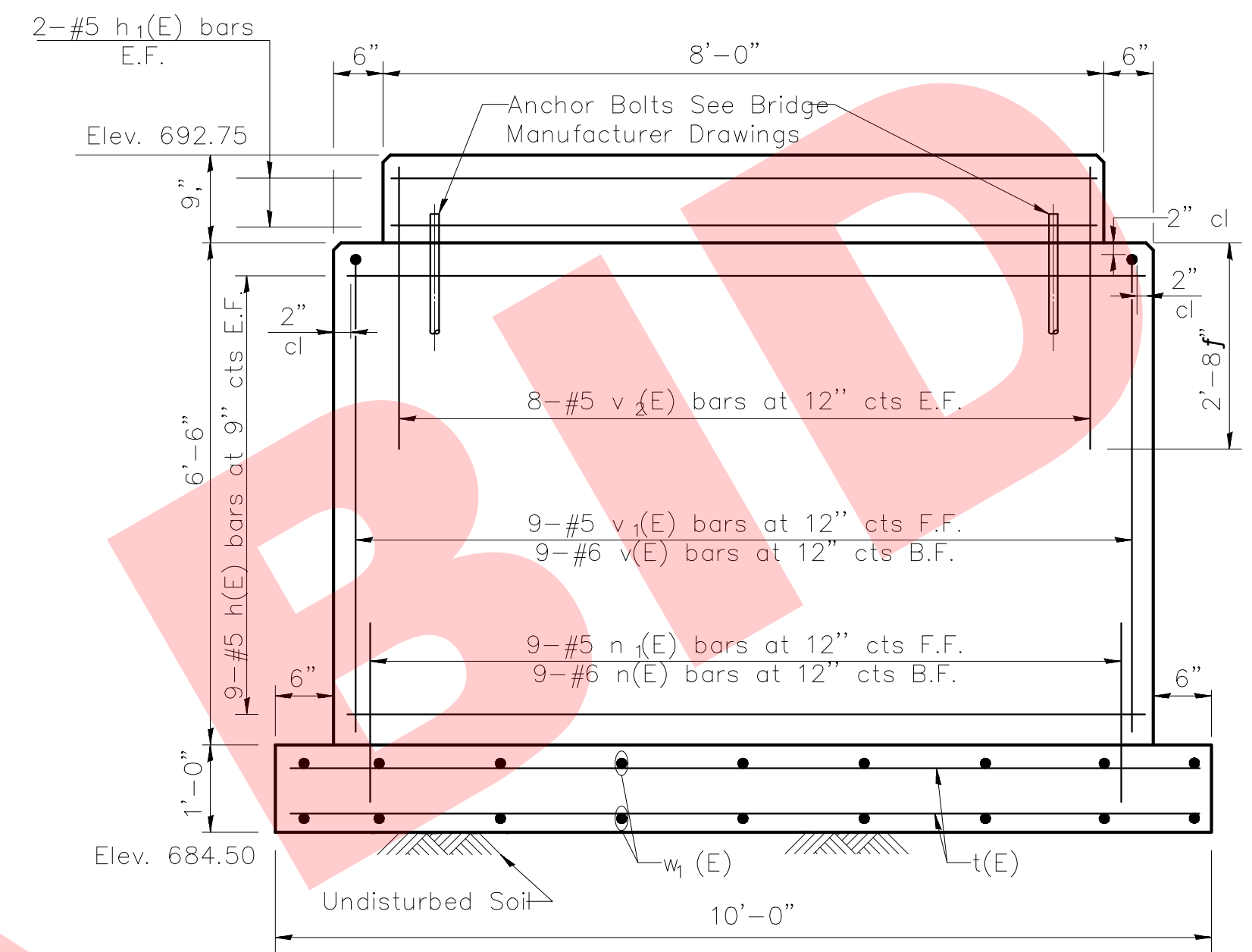
SOUTH ABUTMENT PLAN

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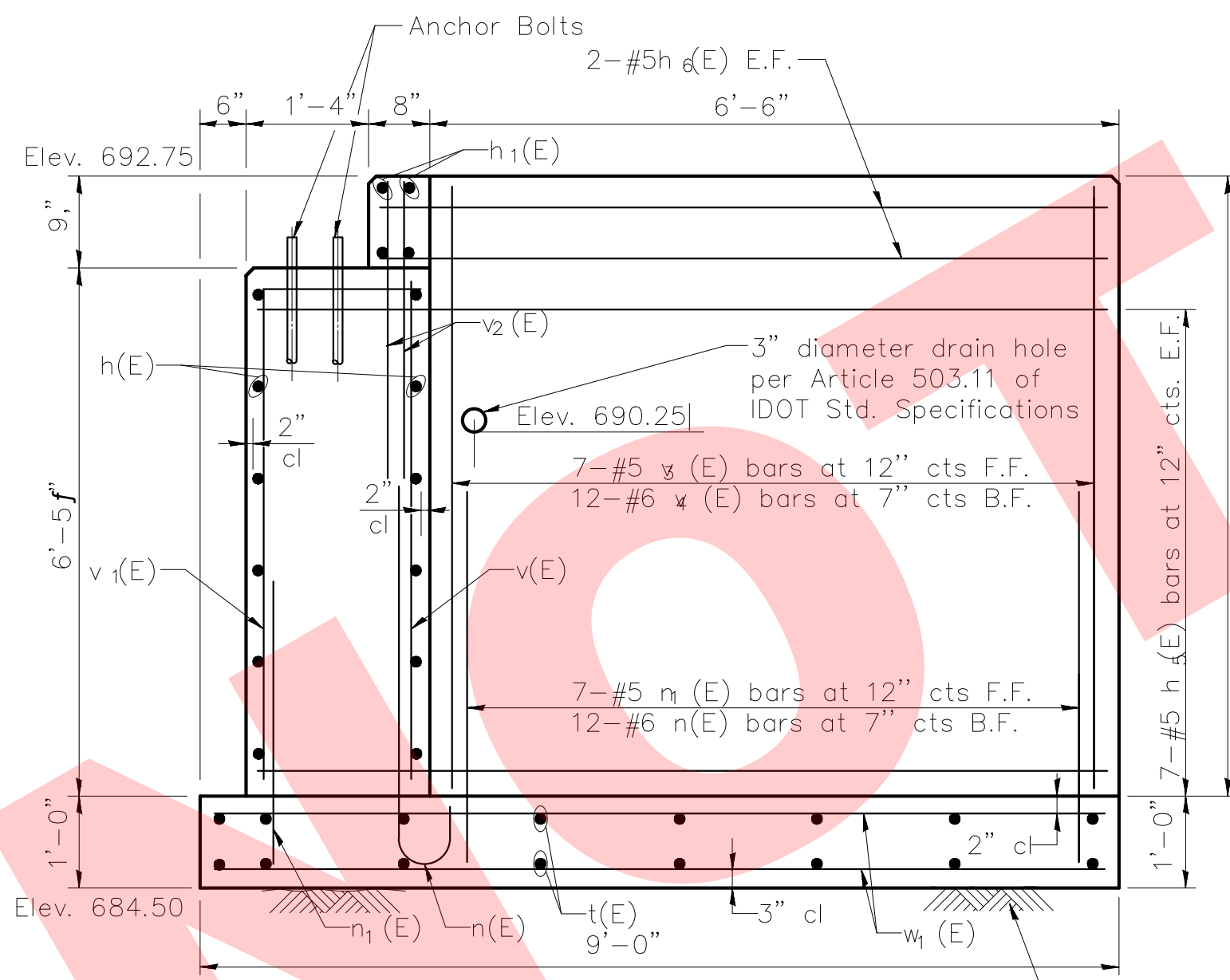
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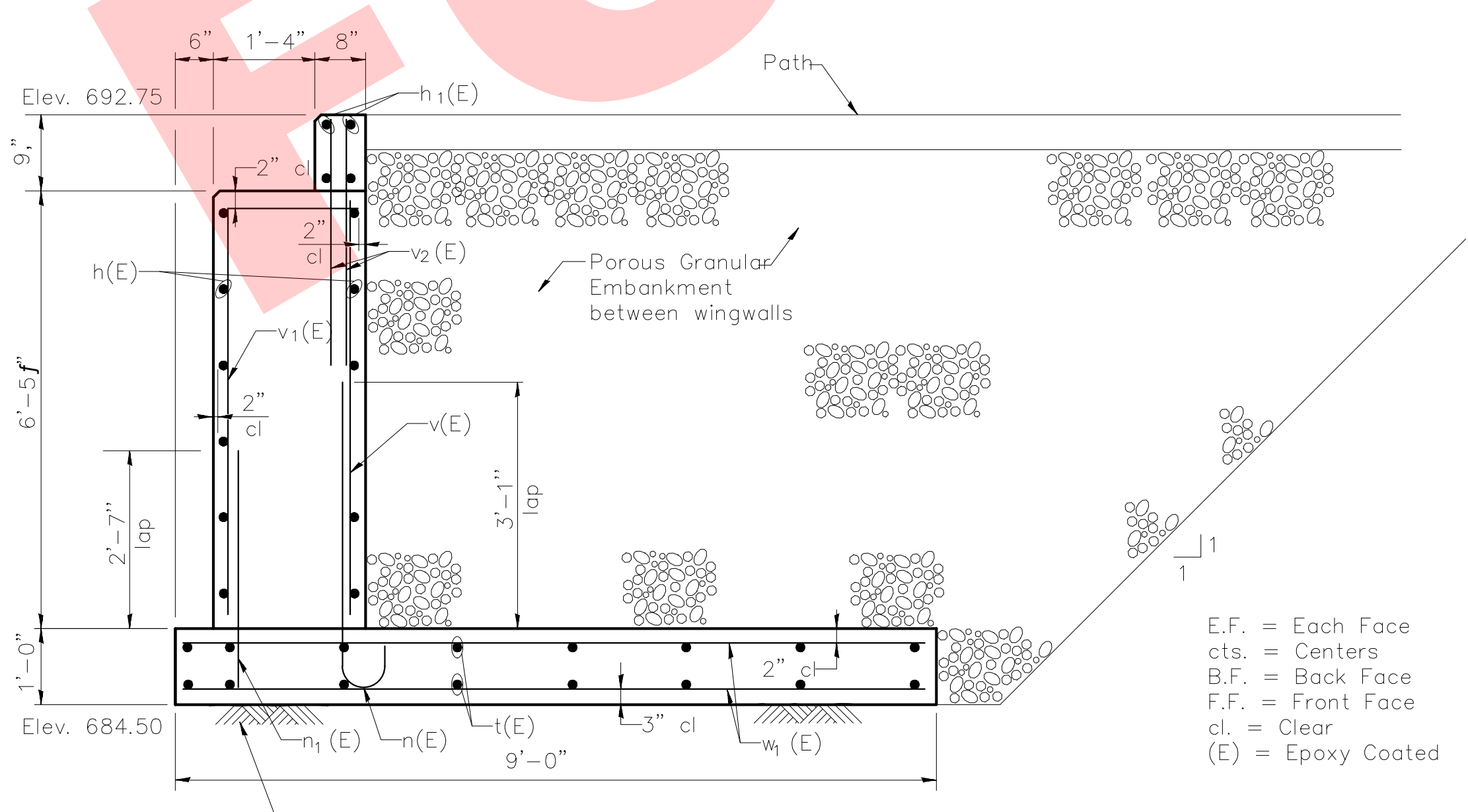
SECTION I-I

NTS



SECTION J-J

NTS



SECTION K-K

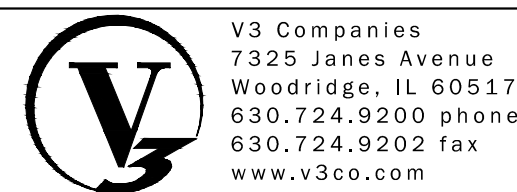
NTS

BILL OF MATERIAL

(North Abutment)

Bar	No.	Size	Length	Shape
h(E)	18	#5	8'-8"	—
h1(E)	4	#5	7'-8"	—
h5(E)	28	#5	8'-2"	—
h6(E)	8	#5	6'-10"	—
n(E)	33	#6	4'-6"	U
n1(E)	23	#5	3'-4"	—
t(E)	20	#5	9'-8"	—
v(E)	9	#6	6'-1"	—
v1(E)	9	#5	7'-9"	—
v2(E)	16	#5	3'-4"	—
v3(E)	14	#5	6'-11"	—
v4(E)	24	#6	6'-11"	—
w1(E)	20	#5	8'-8"	—
Porous Granular Embankment			Cu. Yd.	19.9
Structure Excavation			Cu. Yd.	57.3
Concrete Structures			Cu. Yd.	11.3
Reinforcement Bars, Epoxy Coated			Pound	1,740

E.F. = Each Face
 cts. = Centers
 B.F. = Back Face
 F.F. = Front Face
 cl. = Clear
 (E) = Epoxy Coated



DESIGNED — CWH
 DRAWN — LEH
 CHECKED — DLM
 DATE — 04-27-18

REVISED —
 REVISED —
 REVISED —
 REVISED —

JACKSON POND OVERFLOW PROJECT

STRUCTURAL DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				38
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				