

FINAL ENGINEERING PLANS
 FOR
**JACKSON POND EXPANSION
 PROJECT**

FOR INDEX OF SHEETS, SEE SHEET 2

VILLA PARK, DUPAGE COUNTY, ILLINOIS

NOT FOR BID



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Joint Utility Locating Information for Excavators

CHRISTOPHER W. HANCHETT, P.E.
 #062-063179
 EXP. DATE: 11/30/2023

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.
- ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERE TO. TEMPORARY RAMPS SHALL BE CONSTRUCTED AS NEEDED TO PROVIDE SUCH ACCESS, UTILIZING CRUSHED STONE OR CRUSHED GRAVEL AS TEMPORARY ACCESS.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE ENGINEER, RESIDENTS 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.
- PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES DRIVEWAYS (SHALL BE PAID FOR AS PCC SIDEWALK 5 INCH). TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5-FEET.
- A 1/2 INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF CONCRETE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF CONCRETE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT.
- ANY ANTI-STRIPPING ADDITIVE REQUIRED SHALL BE INCLUDED IN THE COST OF THE SURFACE COURSE.
- ALL FRAME AND LID CASTINGS LOCATED WITHIN THE PAVEMENT WHICH REQUIRE RESETTING TO FINISH GRADE SHALL BE BACKFILLED WITH CLASS S1 CONCRETE AND ALLOWED TO CURE FOR 72 HOURS PRIOR TO PLACEMENT OF SURFACE COURSE. CLASS PP CONCRETE SHALL BE USED IF PLACEMENT OF SURFACE COURSE IS PLANNED IN LESS THAN 72 HOURS. 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.
- PRIOR TO CONSTRUCTION OF ANY PROPOSED UTILITIES, THE CONTRACTOR SHALL EXCAVATE AND LOCATE THE EXISTING UTILITIES TO VERIFY THEIR LOCATION, SIZE, AND DEPTH TO INSURE THAT GRADE CONFLICTS WILL NOT OCCUR. THE COST OF THIS EXPLORATION SHALL BE PAID FOR AS EXPLORATION TRENCH, SPECIAL IF DETERMINED NECESSARY BY THE ENGINEER. ALL OTHER EXPLORATION WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE COST OF MAKING ANY SEWER CONNECTIONS TO EXISTING DRAINAGE STRUCTURES OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER PIPE OR STRUCTURE. ANY ADDITIONAL STORM SEWER PIPE REQUIRED TO MAKE THE CONNECTION SHALL BE OF THE SAME SIZE AND MATERIAL TYPE AS THE EXISTING STORM SEWER. CLAY PIPE AND OTHER SUBSTANDARD MATERIALS AS DETERMINED BY THE ENGINEER WILL NOT BE REPLACED IN KIND BUT SHALL BE REPLACED WITH SUITABLE MATERIALS. THIS WORK AND THE NECESSARY MATERIALS SHALL BE INCLUDED IN THE COST OF THE NEW SEWER OR STRUCTURE.
- 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.
- ALL TEMPORARY STORM SEWER PLUGS AND TEMPORARY STORM SEWER CONNECTIONS REQUIRED FOR CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF THE STORM SEWER.
- 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.
- RECYCLED MATERIAL AGGREGATE MAY BE USED UNDER SIDEWALK AND CURB & GUTTER AT THE APPROVAL OF THE ENGINEER. AGGREGATE AT ALL OTHER LOCATIONS TO BE CRUSHED MATERIAL.
- 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.

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280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-09	PERPENDICULAR CURB RAMPS AND SIDEWALKS
604001-04	FRAME AND LIDS TYPE 1
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
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-06	TRAFFIC CONTROL DEVICES

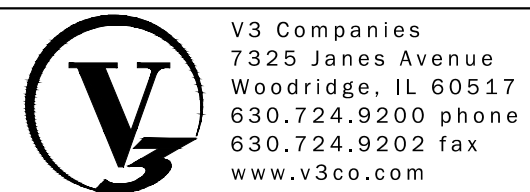
HIGHWAY STANDARDS

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		RIGHT-OF-WAY LINE
		PROPERTY LINE (EXTERIOR)
		LOT LINE (INTERIOR)
		EASEMENT LINE
		FENCE LINE
		CENTERLINE
		PROPERTY CORNER
		CONTOUR
		CURB & GUTTER
		DEPRESSED CURB & GUTTER
		REVERSE PITCHED CURB
		SPOT ELEVATION
		TOP OF CURB ELEVATION
		EDGE OF PAVEMENT ELEVATION
		UTILITY STUB
		SANITARY SEWER
		SANITARY FORCE MAIN
		STORM SEWER
		WATER MAIN
		GAS MAIN
		UNDERGROUND TELEPHONE & ELECTRIC DUCT BANK
		BURIED CABLE-ELECTRIC
		BURIED CABLE-TELEPHONE
		ATLAS LOCATED UTILITY
		UTILITY STRUCTURE WITH CLOSED LID
		CURB INLET
		DRAINAGE STRUCTURE WITH OPEN LID
		FIRE HYDRANT
		VALVE IN VALVE BOX
		GATE VALVE IN VALVE VAULT
		POST INDICATOR VALVE
		THRUST BLOCK
		TREE
		TREE LINE
		CONCRETE HEADWALL
		SUBMERGED HEADWALL
		FLARED END SECTION (F.E.S.)
		GUY WIRES
		FLOOD LIGHT
		UTILITY POLE
		LIGHT STANDARD
		TRAFFIC SIGNAL POLE
		HAND HOLE
		SOIL BORING
		IRRIGATION HEADS
		SIGN
		TELEPHONE MANHOLE
		MONITORING WELL
		TELEPHONE PEDESTAL
		TRANSFORMER PAD
		UTILITY TO BE ABANDONED
		FEATURE TO BE REMOVED
		STORMWATER FLOW DIRECTION
		STORMWATER OVERFLOW ROUTE
		DITCH CHECK
		INLET FILTER BASKET
		RIP RAP
		BOLLARD
		SILT FENCE
		WATER MAIN PROTECTION
		TRENCH BACKFILL
		UTILITY CROSSING LABEL
		GUARDRAIL
		RAILROAD TRACKS
		RETAINING WALL
		REVISION DELINEATION
		CONSTRUCTION LIMIT LINE
		TREE PROTECTION FENCE

ABBREVIATIONS

A	ARC LENGTH
B-B	BACK TO BACK OF CURB
B/C	BACK OF CURB
BLDG	BUILDING
BM	BENCHMARK
B/P	BOTTOM OF PIPE
BV/VV	BUTTERFLY VALVE IN VALVE VAULT
C & G	CURB AND GUTTER
CB	CATCH BASIN
CL	CENTERLINE
CL	CLOSED LID
CO	CLEAN OUT
DIP	DUCTILE IRON PIPE
DIA	DIAMETER
DIWM	DUCTILE IRON WATER MAIN
DWG	DRAWING
E	EAST OR ELECTRIC OR EDGE
EJ	EXPANSION JOINT
ELEV	ELEVATION
E/P	EDGE OF PAVEMENT
EX	EXISTING
F & CL	FRAME & CLOSED LID
F & G	FRAME & GRATE
F & OL	FRAME & OPEN LID
FES	FLARED END SECTION
F-F	FACE TO FACE OF CURB
FF	FINISHED FLOOR
F/G	FINISHED GRADE
FH	FIRE HYDRANT
F/L	FLOW LINE
G	GAS LINE
GV/VB	GATE VALVE IN VALVE BOX
GV/VV	GATE VALVE IN VALVE VAULT
HDCP	HANDICAP
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HDW	HEADWALL
HOR	HORIZONTAL
HP	HIGH POINT
HWL	HIGH WATER LEVEL
IE	INVERT ELEVATION
IN	INLET
LF	LINEAL FEET
LP	LOW POINT OR LIGHT POLE
L	LEFT
ME	MATCH EXISTING
MH	MANHOLE
MW	MONITORING WELL
N	NORTH
NIC	NOT IN CONTRACT / NOT INCLUDED
NWL	NORMAL WATER LEVEL
OC	ON CENTER
OL	OPEN LID
PC	POINT OF CURVATURE
PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
PGL	PROFILE GRADE LINE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POINT OF VERTICAL CURVATURE OR POLYVINYL CHLORIDE PIPE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS OR RIGHT
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT OF WAY
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



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JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

GENERAL NOTES LEGENDS AND ABBREVIATIONS

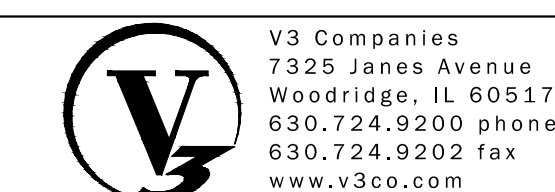
SCALE: _____ SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

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

SP	Item No.	Pay Item Number	ITEM	UNIT	QUANTITY
*	1	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	48
	2	20101000	TEMPORARY FENCE	FOOT	790
*	3	20101200	TREE ROOT PRUNING	EACH	6
	4	20200100	EARTH EXCAVATION	CU YD	500
	5	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS	CU YD	54072
	6	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1990
*	7	21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	13780
*	8	25000100	SEEDING, CLASS 1	AC	1.44
*	9	25100630	EROSION CONTROL BLANKET	SQ YD	18392
	10	28000400	PERIMETER EROSION BARRIER	FOOT	500
*	11	28000510	INLET FILTERS	EACH	9
	12	28100105	STONE RIPRAP, CLASS A3	SQ YD	285
	13	28100107	STONE RIPRAP, CLASS A4	SQ YD	330
	14	28100111	STONE RIPRAP, CLASS A6	SQ YD	160
*	15	28200200	FILTER FABRIC	SQ YD	490
	16	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	223
*	17	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5"	SQ FT	2010
*	18	44000600	SIDEWALK REMOVAL	SQ FT	2010
	19	54213654	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 8"	EACH	1
	20	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
	21	54213717	PRECAST REINFORCED CONCRETE FLARED END SECTION 72"	EACH	1
	22	55100500	STORM SEWER REMOVAL 12"	FOOT	1025
	23	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	1
	24	60218300	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3
	25	60224470	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1
	26	60255500	MANHOLES TO BE ADJUSTED	EACH	1
	28	550A0340	STORM SEWER, CLASS A, TYPE 2 12"	FOOT	76
*	29	550A0520	STORM SEWER, CLASS A, TYPE 2 72"	FOOT	827
*	30	550A0820	STORM SEWER, CLASS A, TYPE 3 72"	FOOT	116
	31	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1
*	32	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	20
*	33	Special	ABANDON EXISTING STORM SEWER	FOOT	150
*	34	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
*	35	Special	PRECONSTRUCTION VIDEO RECORDING	L SUM	1
*	36	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	42
	37	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
*	38	Special	UTILITY RELOCATION / ADJUSTMENTS ALLOWANCE	DOLLAR	100000
*	39	Special	PARKWAY RESTORATION	SQ YD	591
*	40	Special	PRECAST 4' DIA "T" MANHOLES FOR 72" PIPE STORM SEWER, TYPE 8 FRAME AND GRATE	EACH	4
*	41	Special	WATER USAGE CREDIT	TGAL	1
*	42	Special	WATER USAGE DEDUCTION	TGAL	1
*	43	Special	SIDE SLOPE NATIVE SEED MIX	AC	2.36
*	44	Special	EMERGENT PLANT MIX	AC	1.61
*	45	Special	SIDE SLOPE SHORELINE SUPPLEMENTAL SEED MIX	AC	0.25
*	46	Special	SHORELINE PLUGS	EACH	2100
*	47	Special	PERFORATED RISER	EACH	1
*	48	Special	CONCRETE WEIR	EACH	1
*	49	Z0018700	DRAINAGE STRUCTURE TO BE REMOVED	EACH	8
*	50	Special	RESTRICTOR STRUCTURE MODIFICATION	EACH	1
*	51	Special	STORM SEWER, 8" PVC SDR 26	LF	27
*	52	Special	CONSTRUCTION FENCE	LF	4500
*	53	Special	GABION WALL (4.5 FOOT)	LF	100
*	54	Special	GEOTEXTILE FABRIC BARRIER	SQ YD	2550
*	55	Special	GRATING FOR CONCRETE FLARED END SECTION 72"	EACH	1
*	56	Special	GRATING FOR CONCRETE FLARED END SECTION 8"	EACH	1
*	57	Special	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1

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CHECKED -- DLM	REVISED --
DATE -- 7/1/22	REVISED --

JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

SUMMARY OF QUANTITIES	
SCALE: _____	SHEET 1 OF 1 SHEETS
STA. _____ TO STA. _____	

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

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

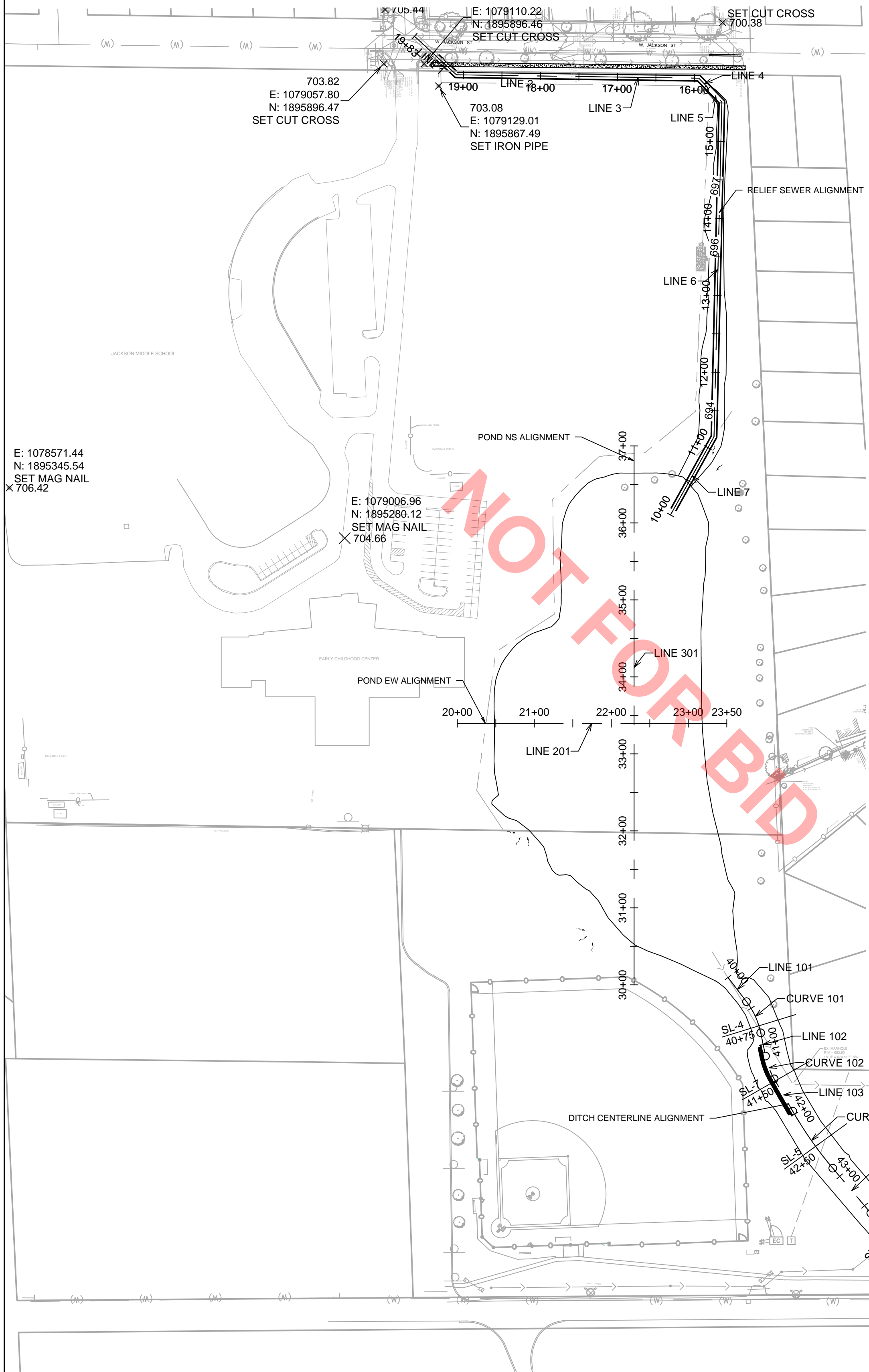
ELEVATION: 705.44 (MEASURED)
 DATUM: NAVD88
 DESCRIPTION: WNW BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF S. MICHIGAN AVENUE AND W. JACKSON STREET INTERSECTION.

Relief Sewer							
Number	Length	Radius	Line/Chord Direction	START NORTHING	START EASTING	END NORTHING	END EASTING
LINE 7	116.2		N29° 04' 59.37"E	1895310.31	1079430.09	1895411.89	1079486.59
LINE 6	435.1		N01° 20' 49.03"E	1895411.89	1079486.59	1895846.87	1079496.82
LINE 5	22.7		N44° 12' 14.46"W	1895846.87	1079496.82	1895863.11	1079481.02
LINE 4	20.3		N44° 12' 14.46"W	1895863.11	1079481.02	1895877.63	1079466.90
LINE 3	157.4		N89° 12' 14.46"W	1895877.63	1079466.90	1895879.82	1079309.52
LINE 2	157.4		N89° 12' 14.46"W	1895879.82	1079309.52	1895882.01	1079152.14
LINE 1	74.1		N47° 25' 53.34"W	1895882.01	1079152.14	1895932.14	1079097.56

Pond EW							
Number	Length	Radius	Line/Chord Direction	START NORTHING	START EASTING	END NORTHING	END EASTING
LINE 201	350.0		N90° 00' 00.00"E	1895039.53	1079153.20	1895039.53	1079503.20

Pond NS							
Number	Length	Radius	Line/Chord Direction	START NORTHING	START EASTING	END NORTHING	END EASTING
LINE 301	700.0		N00° 00' 00.00"E	1894699.90	1079382.75	1895399.90	1079382.75

Ditch Centerline							
Number	Length	Radius	Line/Chord Direction	START NORTHING	START EASTING	END NORTHING	END EASTING
LINE 101	39.5		S37° 22' 33.58"E	1894709.43	1079504.81	1894678.01	1079528.81
CURVE 101	44.9	100.0	S24° 31' 16.94"E	1894678.01	1079528.81	1894637.53	1079547.27
LINE 102	30.9		S11° 40' 00.30"E	1894637.53	1079547.27	1894607.31	1079553.52
CURVE 102	31.7	100.0	S20° 45' 40.92"E	1894607.31	1079553.52	1894577.75	1079564.72
LINE 103	48.3		S29° 51' 21.55"E	1894577.75	1079564.72	1894535.83	1079588.78
CURVE 103	90.7	500.0	S35° 03' 12.71"E	1894535.83	1079588.78	1894461.67	1079640.81
LINE 104	76.4		S40° 15' 03.87"E	1894461.67	1079640.81	1894403.34	1079690.20
CURVE 104	98.4	125.0	S62° 48' 29.90"E	1894403.34	1079690.20	1894359.51	1079775.50
LINE 105	32.8		S85° 21' 55.93"E	1894359.51	1079775.50	1894356.86	1079808.16



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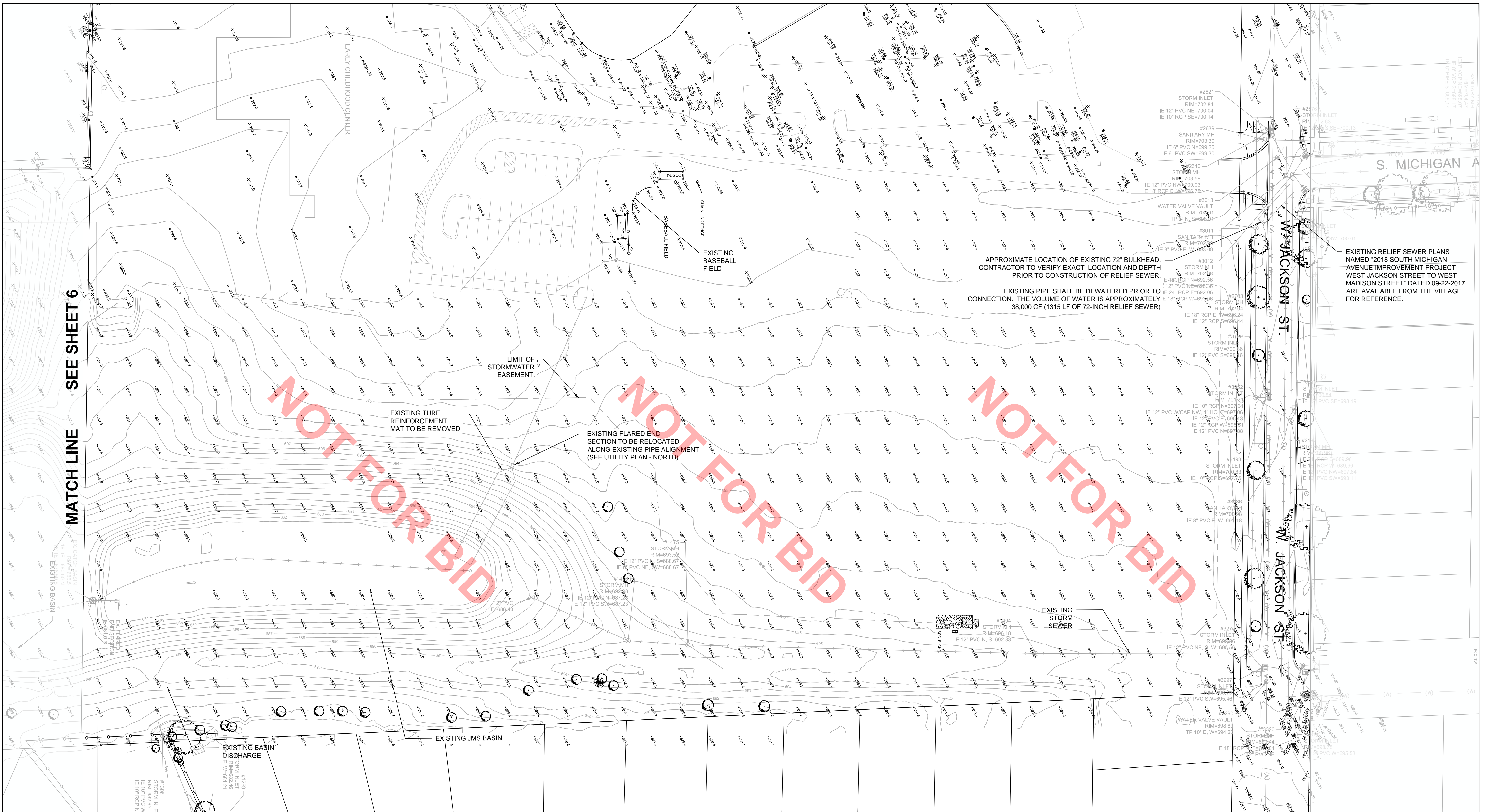
ALIGNMENT AND TIES

SCALE: ___ NTS ___ SHEET 1 OF 1 SHEETS STA. ___ TO STA. ___

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			4	4
CONTRACT NO. _____				
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DATE — 6/29/22	REVISED —



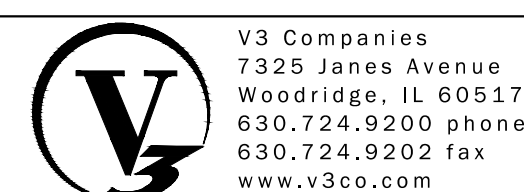
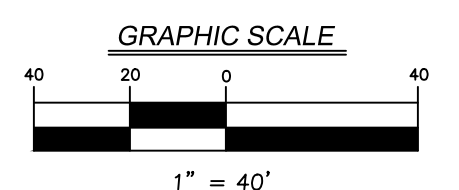
MATCH LINE SEE SHEET 6

NOT FOR BID

APPROXIMATE LOCATION OF EXISTING 72" BULKHEAD. CONTRACTOR TO VERIFY EXACT LOCATION AND DEPTH PRIOR TO CONSTRUCTION OF RELIEF SEWER.

EXISTING PIPE SHALL BE DEWATERED PRIOR TO CONNECTION. THE VOLUME OF WATER IS APPROXIMATELY 38,000 CF (1315 LF OF 72-INCH RELIEF SEWER)

EXISTING RELIEF SEWER PLANS NAMED "2018 SOUTH MICHIGAN AVENUE IMPROVEMENT PROJECT WEST JACKSON STREET TO WEST MADISON STREET" DATED 09-22-2017 ARE AVAILABLE FROM THE VILLAGE. FOR REFERENCE.



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DRAWN — LEH	REVISED —
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DATE — 6/29/22	REVISED —

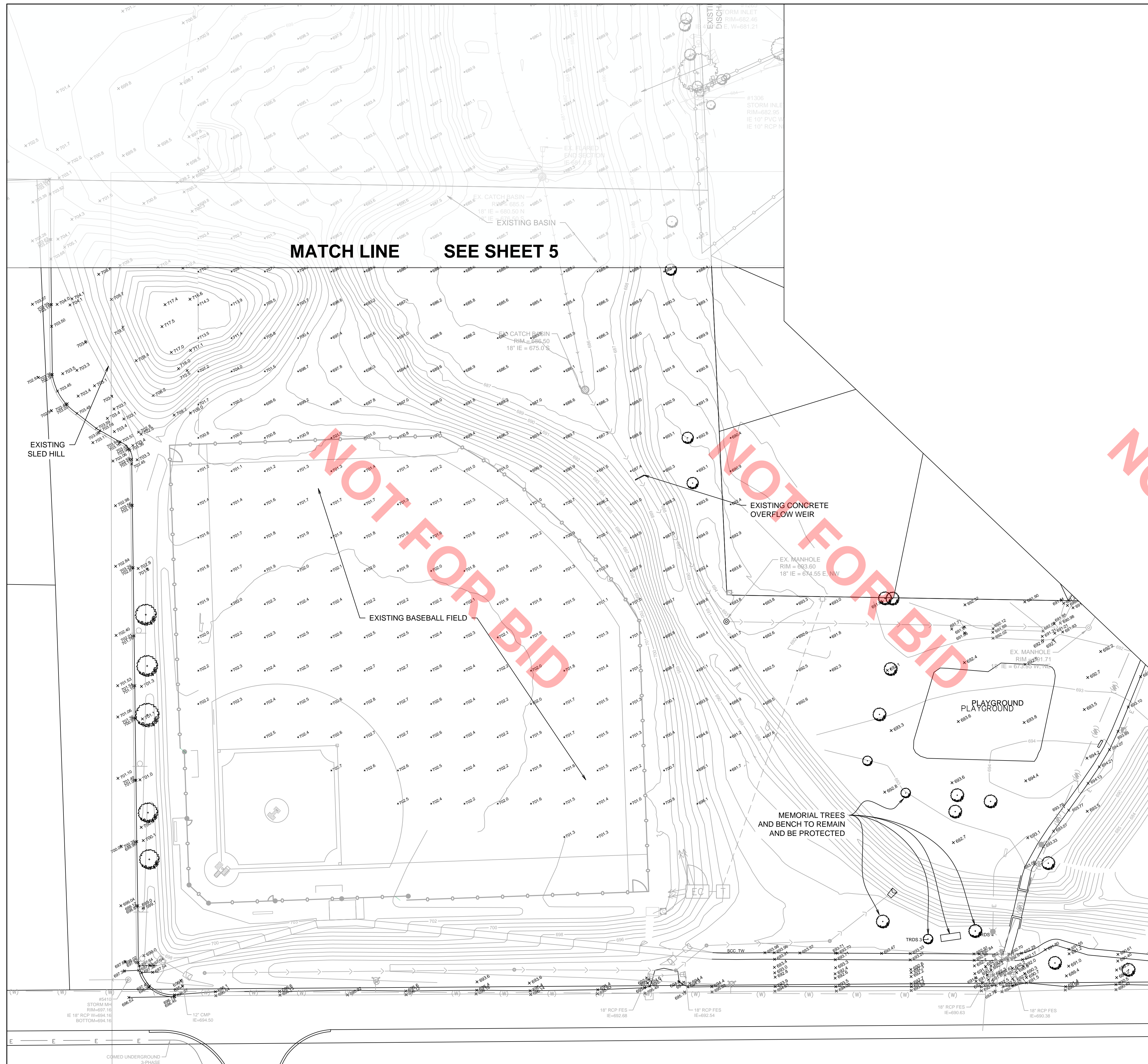
JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

EXISTING CONDITIONS PLAN — NORTH

SCALE: 1" = 40' SHEET 2 OF 2 SHEETS STA. _____ TO STA. _____

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



MATCH LINE SEE SHEET 5

EXISTING SLED HILL

EXISTING BASEBALL FIELD

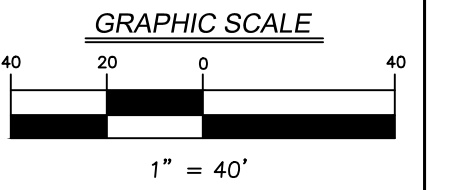
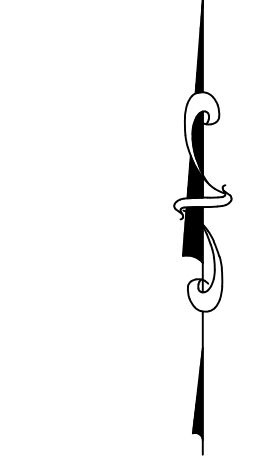
EXISTING CONCRETE OVERFLOW WEIR

EX. MANHOLE RIM = 603.60 18" IE = 674.55 E/NW

PLAYGROUND

MEMORIAL TREES AND BENCH TO REMAIN AND BE PROTECTED

NOT FOR BID



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PLOT SCALE =
PLOT DATE =

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CHECKED — DLM	REVISED —
DATE — 6/29/22	REVISED —

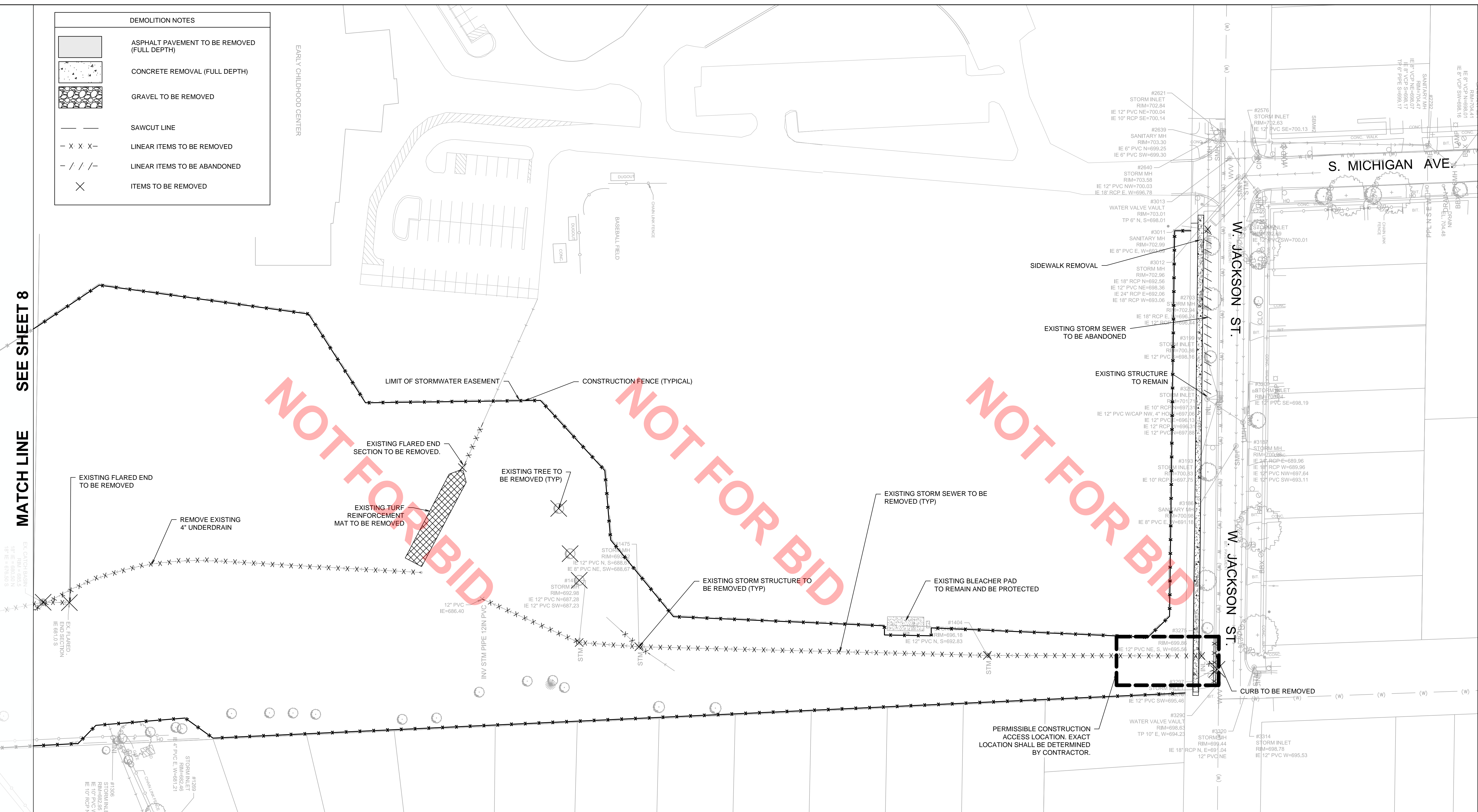
JACKSON POND EXPANSION PROJECT
JACKSON POND EXPANSION PROJECT

EXISTING CONDITIONS PLAN — SOUTH

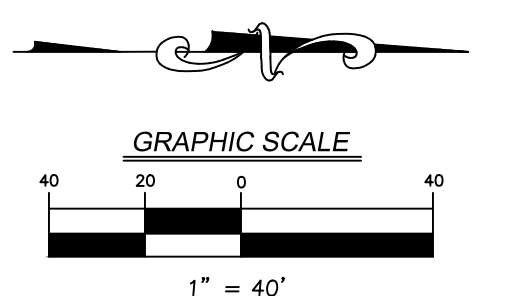
SCALE: 1" = 40' SHEET 1 OF 2 SHEETS STA. _____ TO STA. _____

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

DEMOLITION NOTES	
	ASPHALT PAVEMENT TO BE REMOVED (FULL DEPTH)
	CONCRETE REMOVAL (FULL DEPTH)
	GRAVEL TO BE REMOVED
	SAWCUT LINE
	LINEAR ITEMS TO BE REMOVED
	LINEAR ITEMS TO BE ABANDONED
	ITEMS TO BE REMOVED



NOTES:
 1. UNDERDRAINS SHALL BE REMOVED TO THE POINT WHERE IT MEETS THE SIDE SLOPE OF THE PROPOSED BASIN. A MITERED END SECTION SHALL BE PLACED AT THE END OF THE DRAIN TILE AND RIP RAP PLACED ON SLOPE BELOW OUTLET PER DETAIL ON SHEET 24.



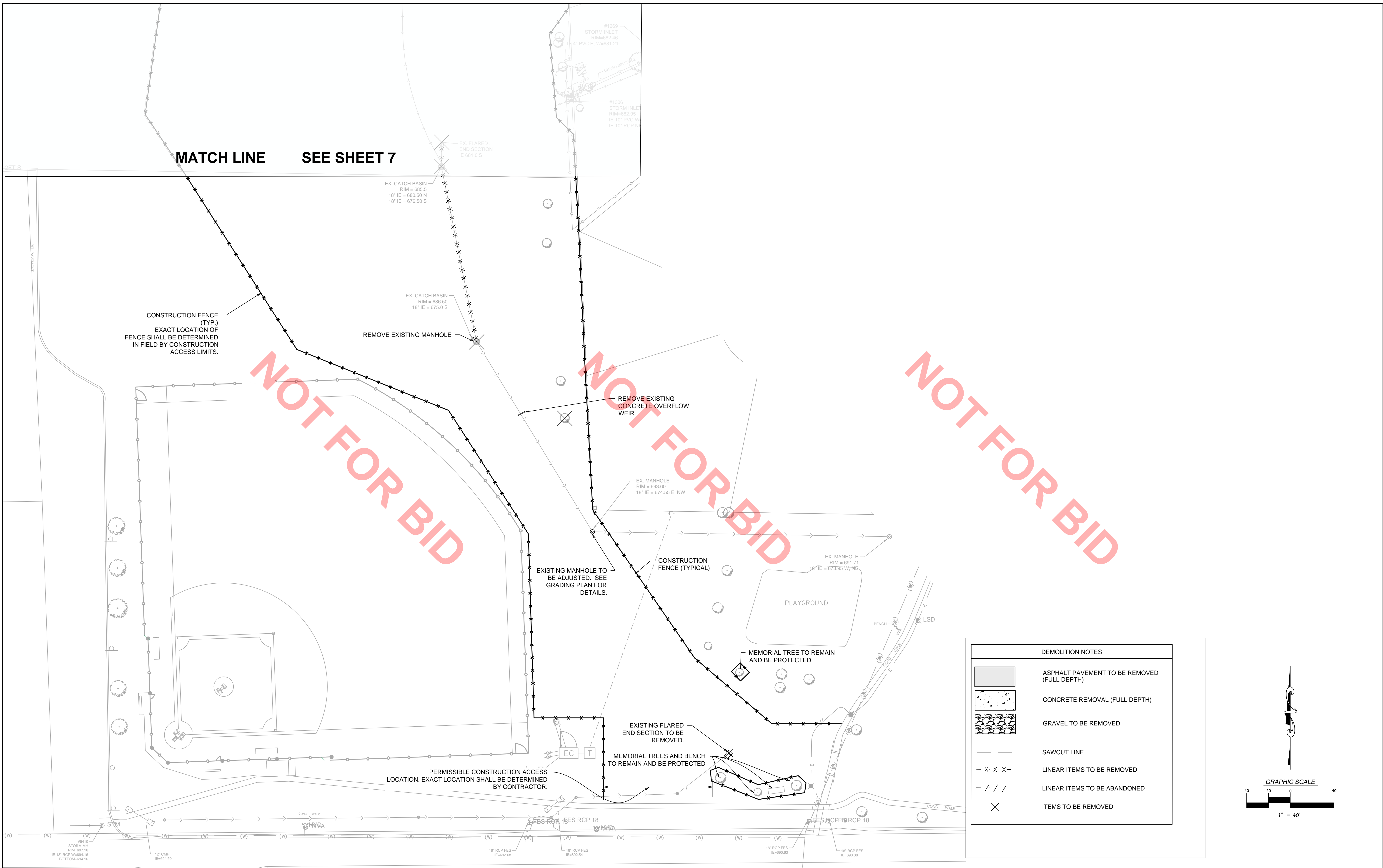
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CHECKED — DLM	REVISED —
DATE — 6/29/22	REVISED —

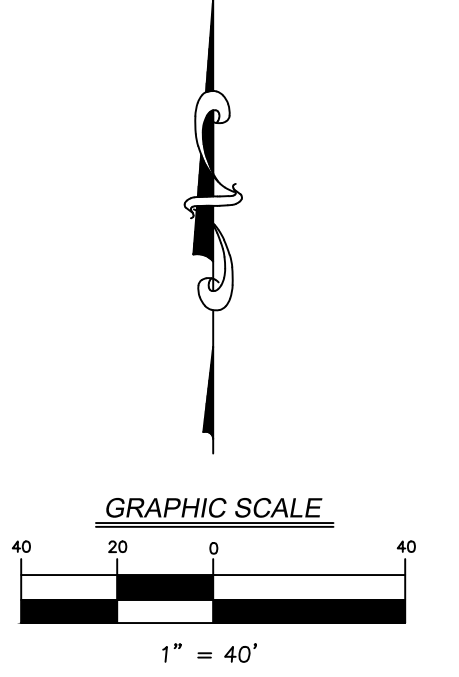
JACKSON POND EXPANSION PROJECT
 JACKSON POND EXPANSION PROJECT

SCALE: 1" = 40'	SHEET 2 OF 2 SHEETS	STA. _____ TO STA. _____
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			7	7
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



DEMOLITION NOTES	
	ASPHALT PAVEMENT TO BE REMOVED (FULL DEPTH)
	CONCRETE REMOVAL (FULL DEPTH)
	GRAVEL TO BE REMOVED
	SAWCUT LINE
	LINEAR ITEMS TO BE REMOVED
	LINEAR ITEMS TO BE ABANDONED
	ITEMS TO BE REMOVED



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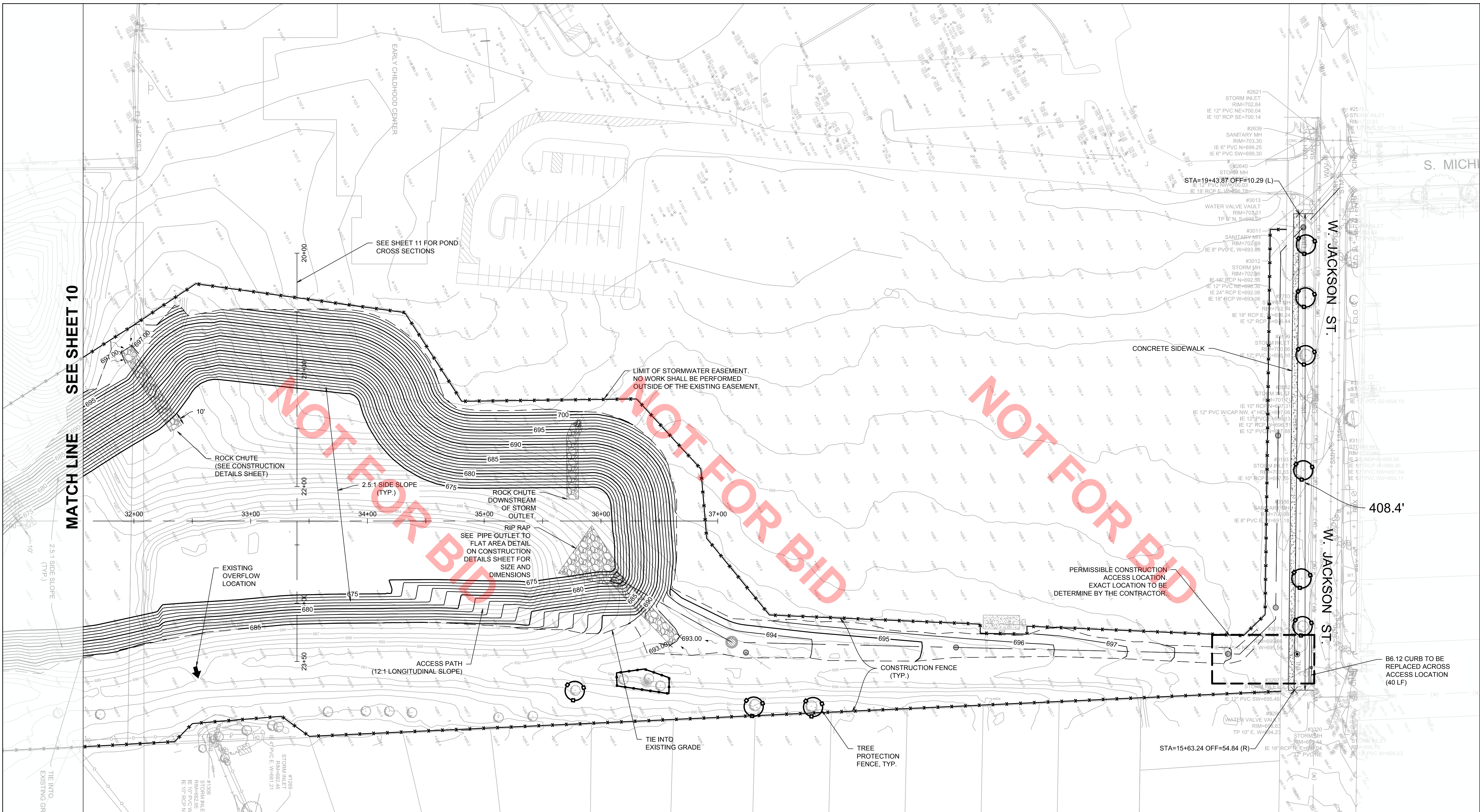
DESIGNED — CWH
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 CHECKED — DLM
 DATE — 6/29/22

REVISED —
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 REVISED —

JACKSON POND EXPANSION PROJECT
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REMOVAL PLAN — SOUTH
 SCALE: 1" = 40' SHEET 1 OF 2 SHEETS STA. _____ TO STA. _____

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

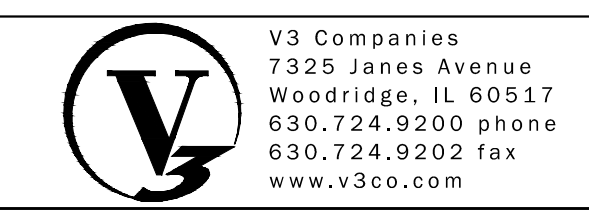
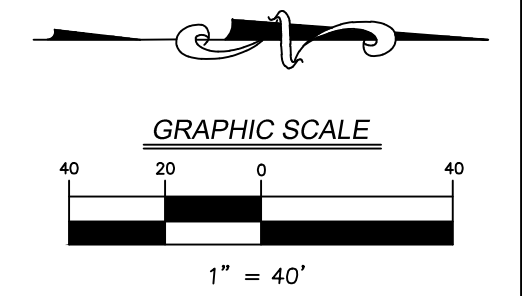


NOT FOR BID

NOT FOR BID

PAVING LEGEND	
CONCRETE SIDEWALK	
	5" P.C. CONCRETE PAVEMENT 4" AGGREGATE BASE (CA-6)

- NOTES:
1. ALL ELEVATIONS SHOWN DEPICT FINISHED GRADE UNLESS OTHERWISE NOTED. SUBTRACT TOPSOIL THICKNESS OR PAVEMENT SECTION TO ESTABLISH SUBGRADE ELEVATIONS.
 2. PROVIDE 1.50% CROSS SLOPE AND 4.00% MAXIMUM LONGITUDINAL SLOPE ON ALL SIDEWALKS AND PEDESTRIAN PATHS UNLESS OTHERWISE INDICATED. PLEASE NOTE THAT THE ILLINOIS ACCESSIBILITY CODE REQUIRES A MAXIMUM CONSTRUCTED CROSS SLOPE OF 2.00% AND LONGITUDINAL SLOPE OF 5.00%.



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DATE — 6/29/22	REVISED —

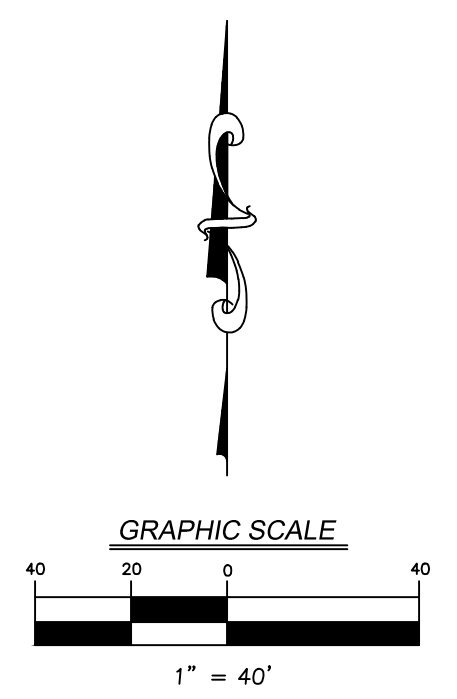
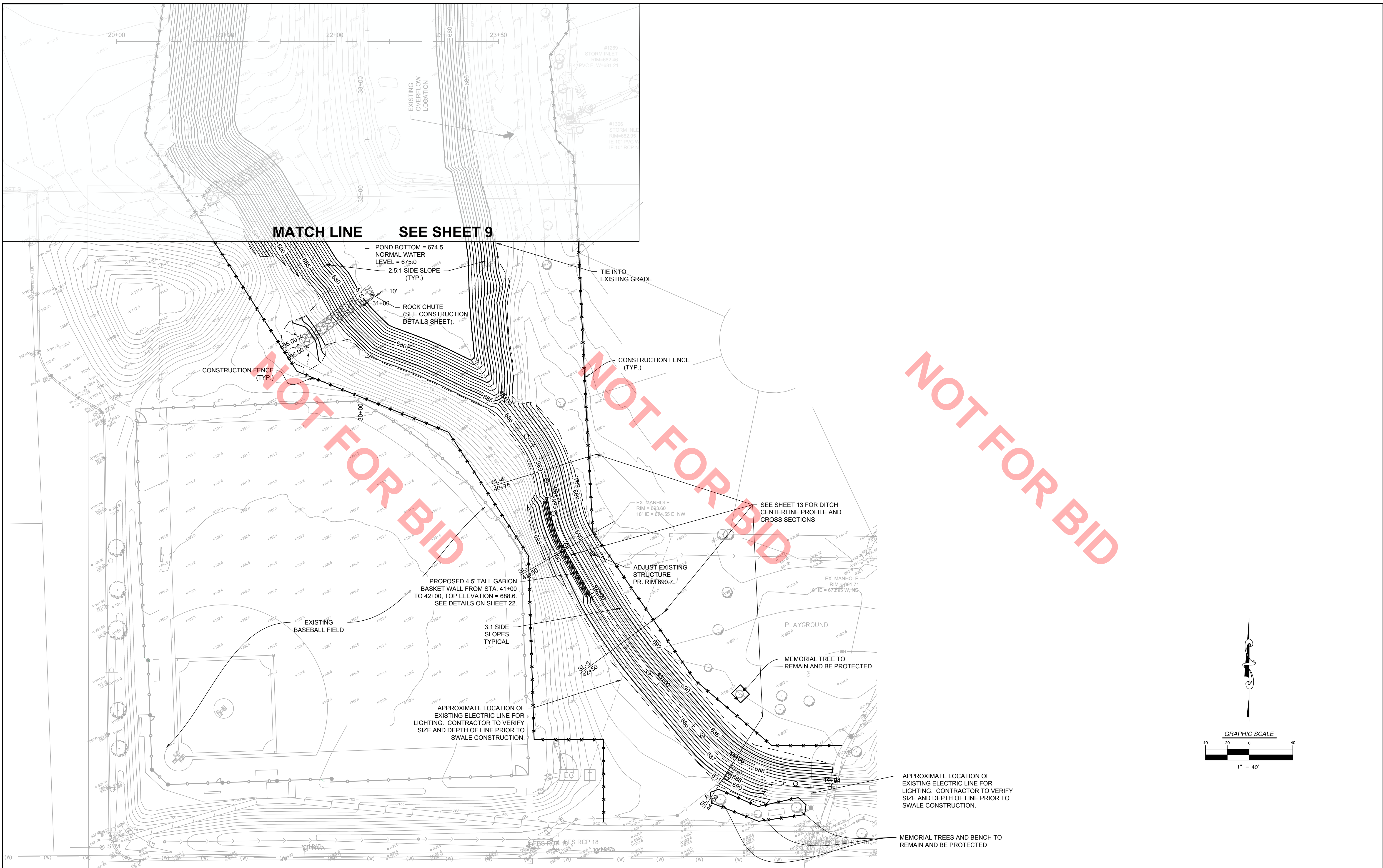
JACKSON POND EXPANSION PROJECT

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GRADING PLAN — NORTH

SCALE: 1" = 40' SHEET 2 OF 4 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				9
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



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 PLOT DATE =

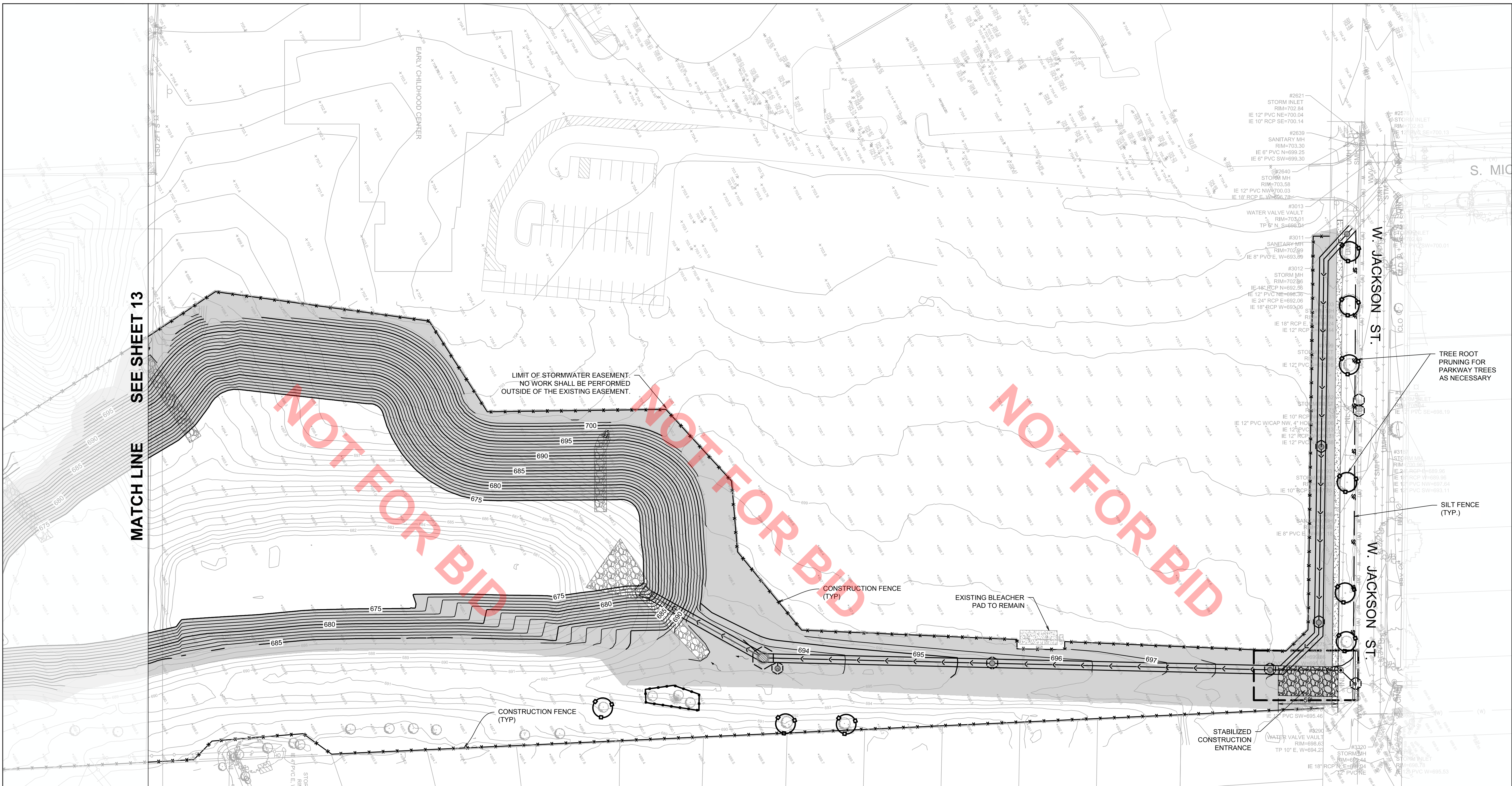
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DRAWN	—	LEH	REVISED	—	-----
CHECKED	—	DLM	REVISED	—	-----
DATE	—	7/1/22	REVISED	—	-----

JACKSON POND EXPANSION PROJECT
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GRADING PLAN — SOUTH

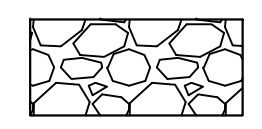


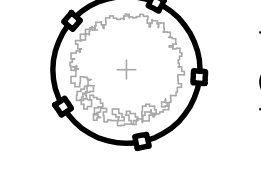
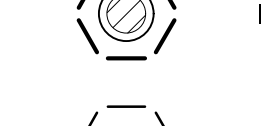
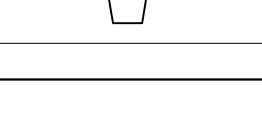
SCALE: 1" = 40' SHEET 1 OF 4 SHEETS STA. _____ TO STA. _____

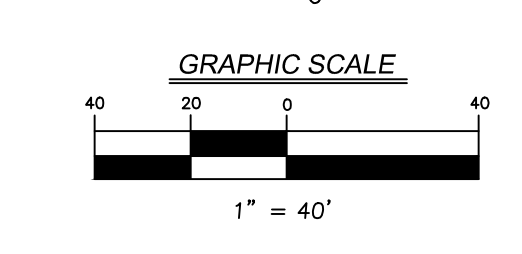
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				10
DUPAGE			CONTRACT NO. _____	
ILLINOIS FED. AID PROJECT				



LIMIT OF STORMWATER EASEMENT
NO WORK SHALL BE PERFORMED
OUTSIDE OF THE EXISTING EASEMENT.

EROSION CONTROL LEGEND

-  STABILIZED CONSTRUCTION ENTRANCE
-  EROSION BLANKET
(TYPE OF BLANKET VARIES WITH SEEDING TYPE, SEE PLANTING PLANS AND SPECIFICATIONS)
-  SILT FENCE
-  TREE PROTECTION
(PAID FOR AS TEMPORARY FENCE)
-  INLET PROTECTION
-  CULVERT INLET PROTECTION



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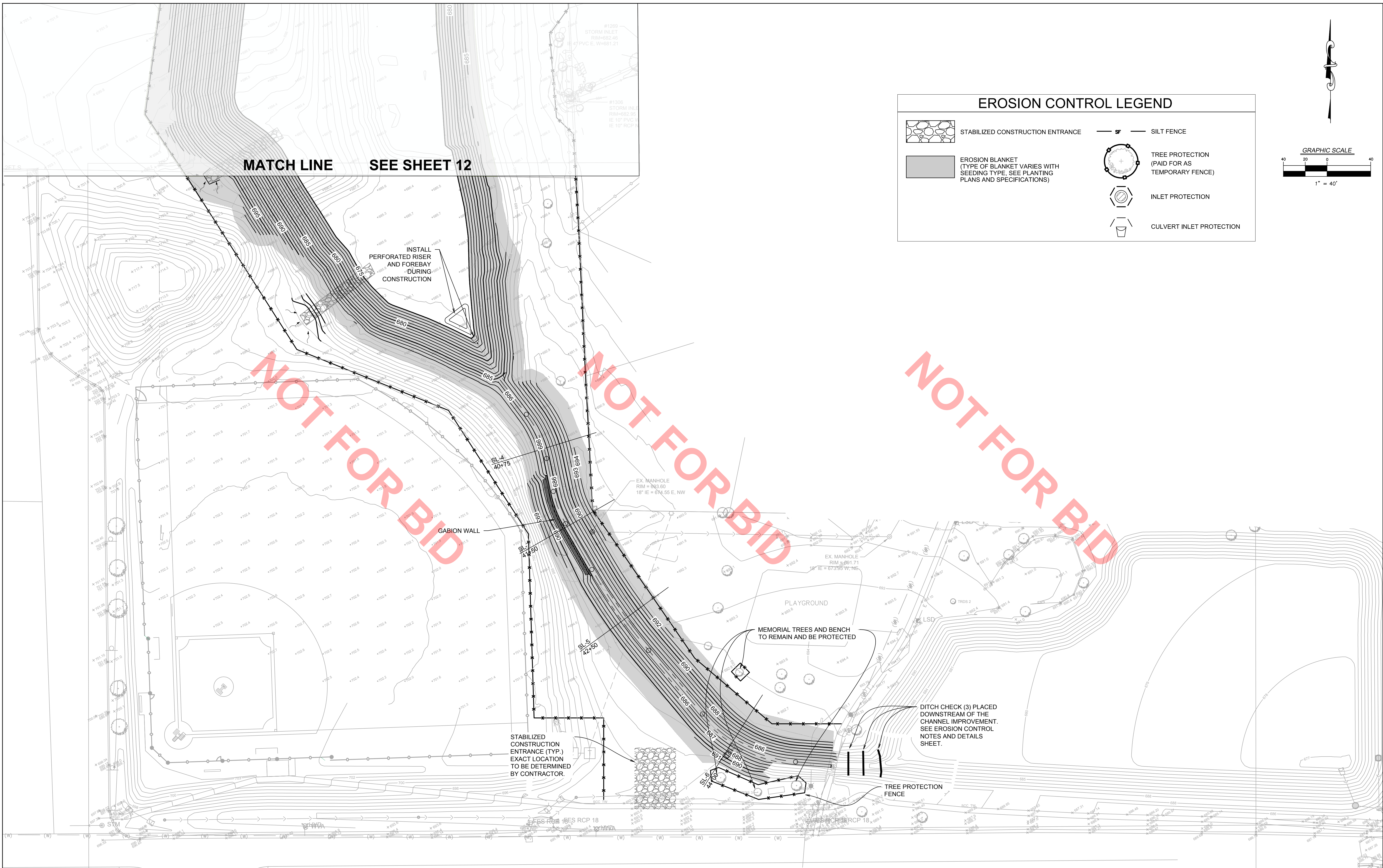
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DRAWN — LEH	REVIS —
CHECKED — DLM	REVIS —
DATE — 7/1/22	REVIS —

PLOT SCALE =	
PLOT DATE =	

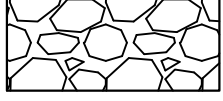

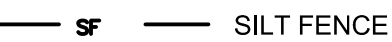



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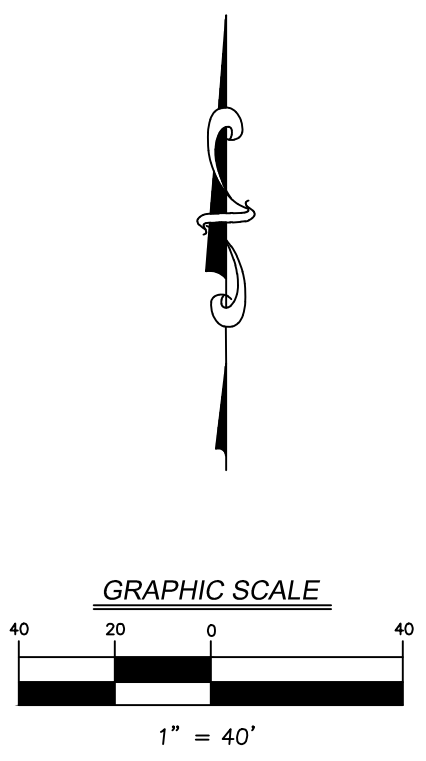
EROSION CONTROL PLAN — NORTH
SCALE: 1" = 40' SHEET 2 OF 3 SHEETS STA. _____ TO STA. _____

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



EROSION CONTROL LEGEND

 STABILIZED CONSTRUCTION ENTRANCE  EROSION BLANKET (TYPE OF BLANKET VARIES WITH SEEDING TYPE, SEE PLANTING PLANS AND SPECIFICATIONS)	 SILT FENCE  TREE PROTECTION (PAID FOR AS TEMPORARY FENCE)  INLET PROTECTION  CULVERT INLET PROTECTION
---	---



MATCH LINE SEE SHEET 12

INSTALL PERFORATED RISER AND FOREBAY DURING CONSTRUCTION

GABION WALL

STABILIZED CONSTRUCTION ENTRANCE (TYP.) EXACT LOCATION TO BE DETERMINED BY CONTRACTOR.


EX. MANHOLE RIM = 603.60 18" IE = 674.55 E. NW

EX. MANHOLE RIM = 601.71 18" IE = 673.95 W. NE

PLAYGROUND
MEMORIAL TREES AND BENCH TO REMAIN AND BE PROTECTED

DITCH CHECK (3) PLACED DOWNSTREAM OF THE CHANNEL IMPROVEMENT. SEE EROSION CONTROL NOTES AND DETAILS SHEET.

TREE PROTECTION FENCE



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CHECKED — DLM	REVISED —
DATE — 7/1/22	REVISED —

PLOT SCALE =	TOTAL SHEETS 13
PLOT DATE =	SHEET NO. 13

JACKSON POND EXPANSION PROJECT

EROSION CONTROL PLAN — SOUTH

JACKSON POND EXPANSION PROJECT

SCALE: 1" = 40'	SHEET 1 OF 3 SHEETS	STA. _____ TO STA. _____	SECTION _____	COUNTY _____	TOTAL SHEETS 13
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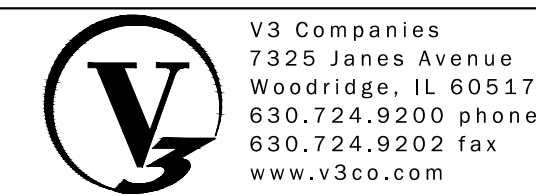
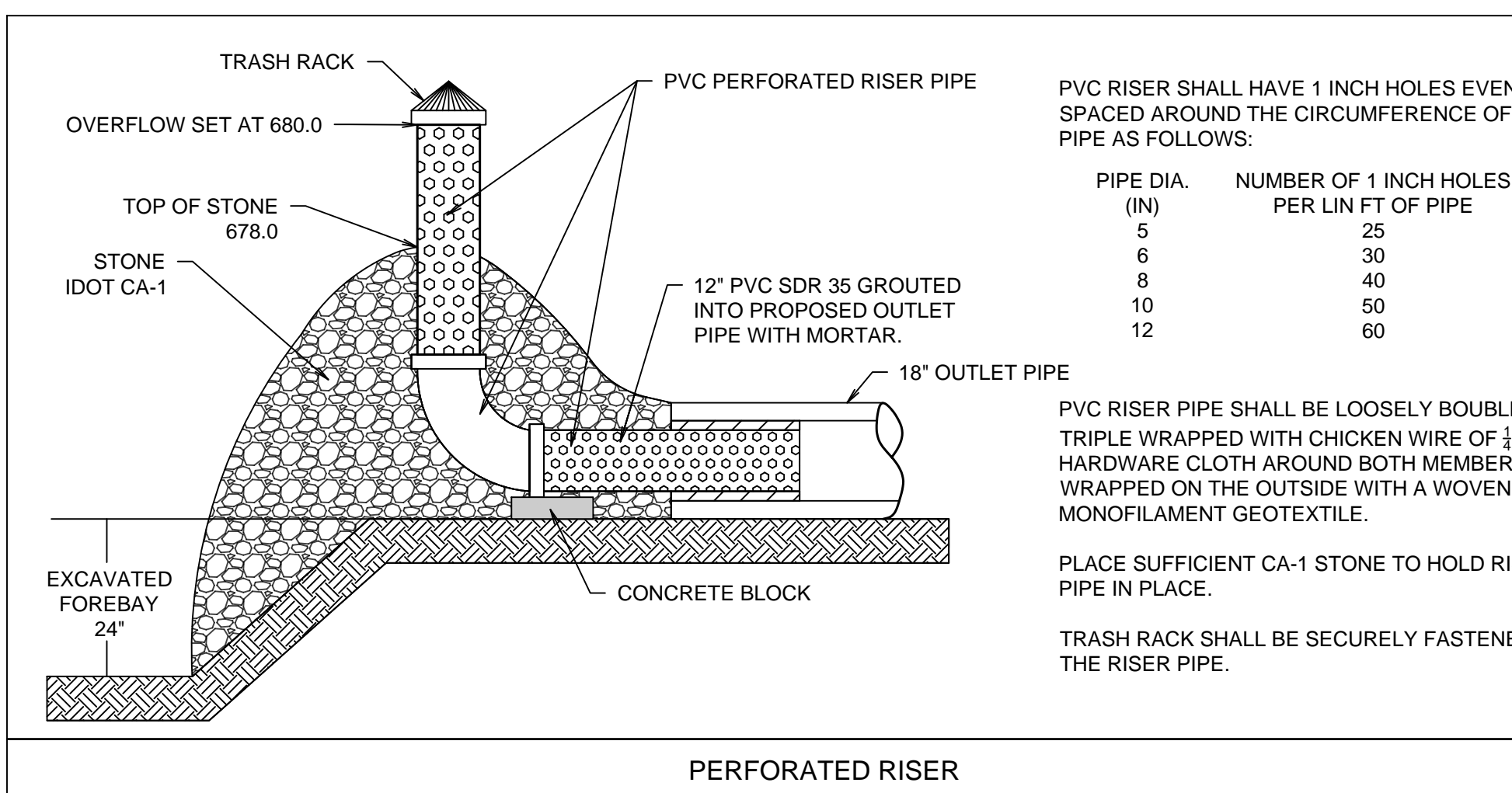
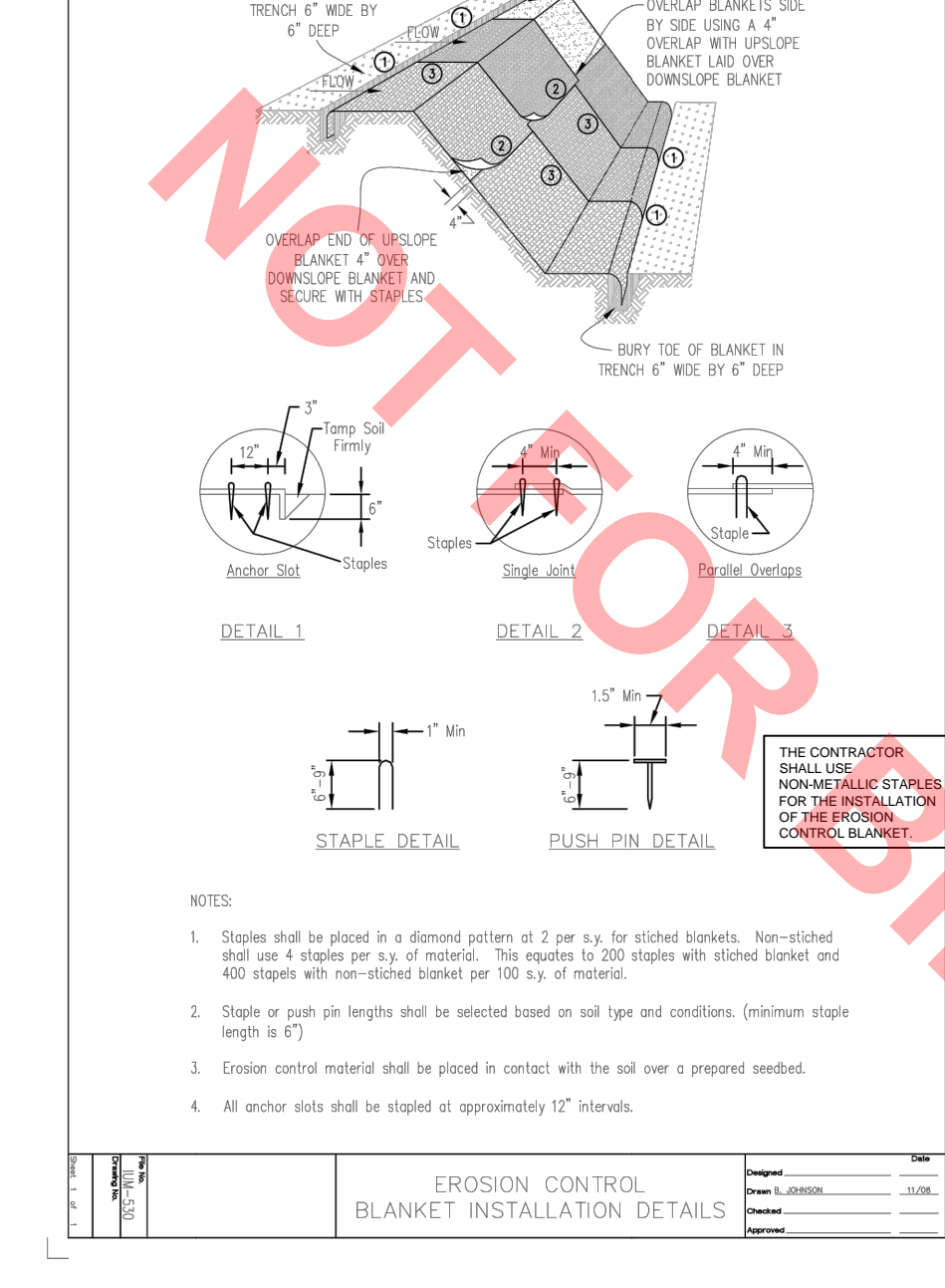
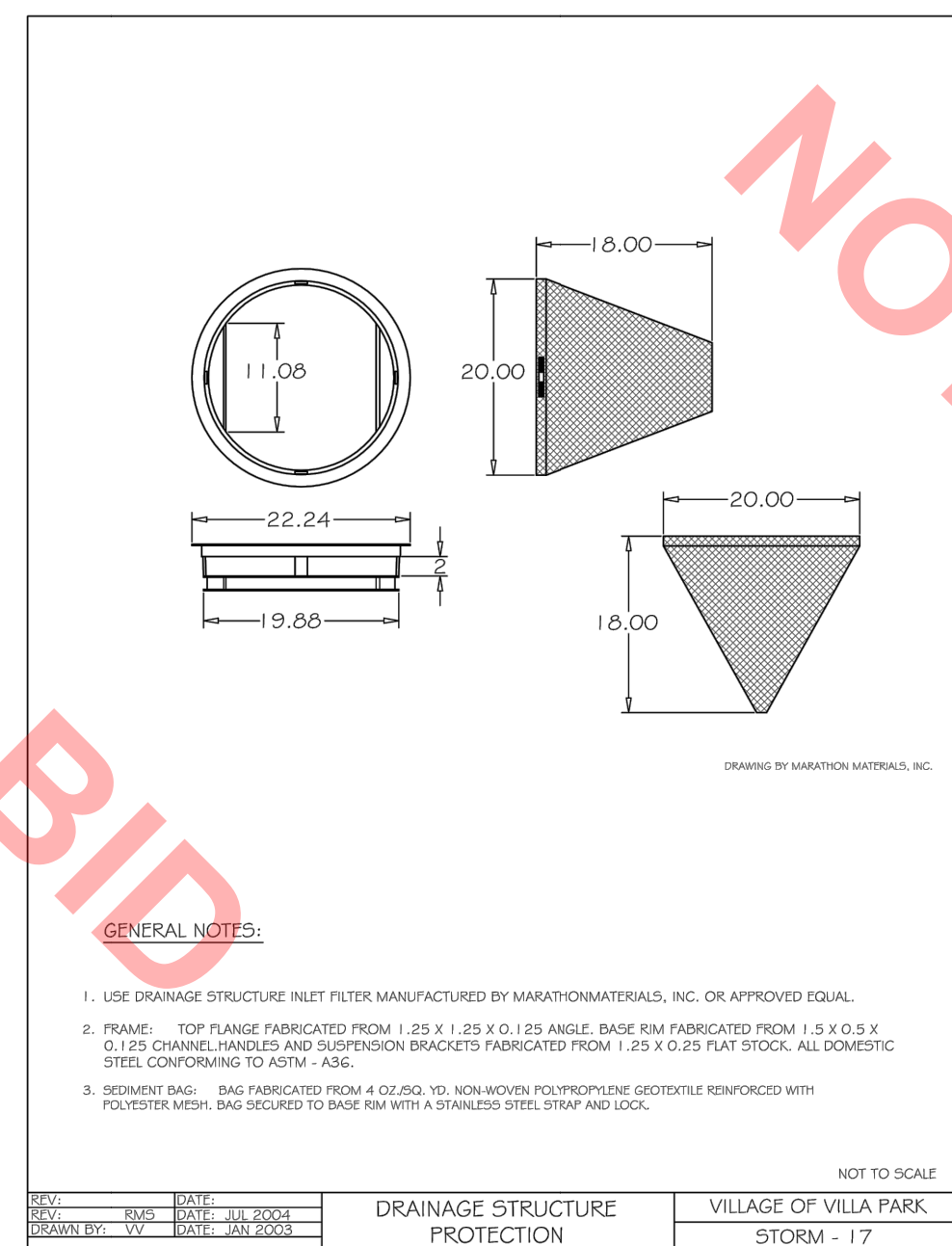
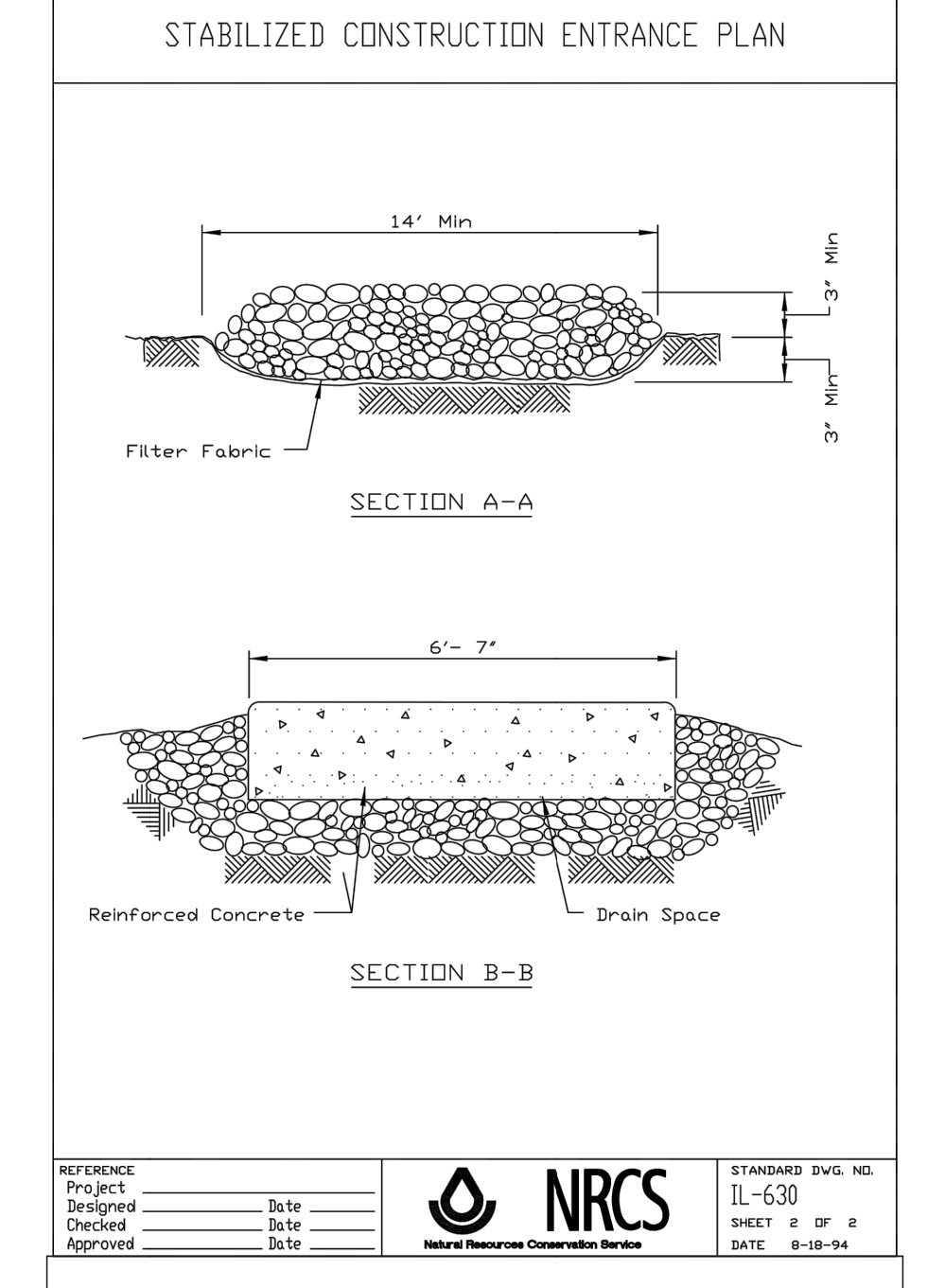
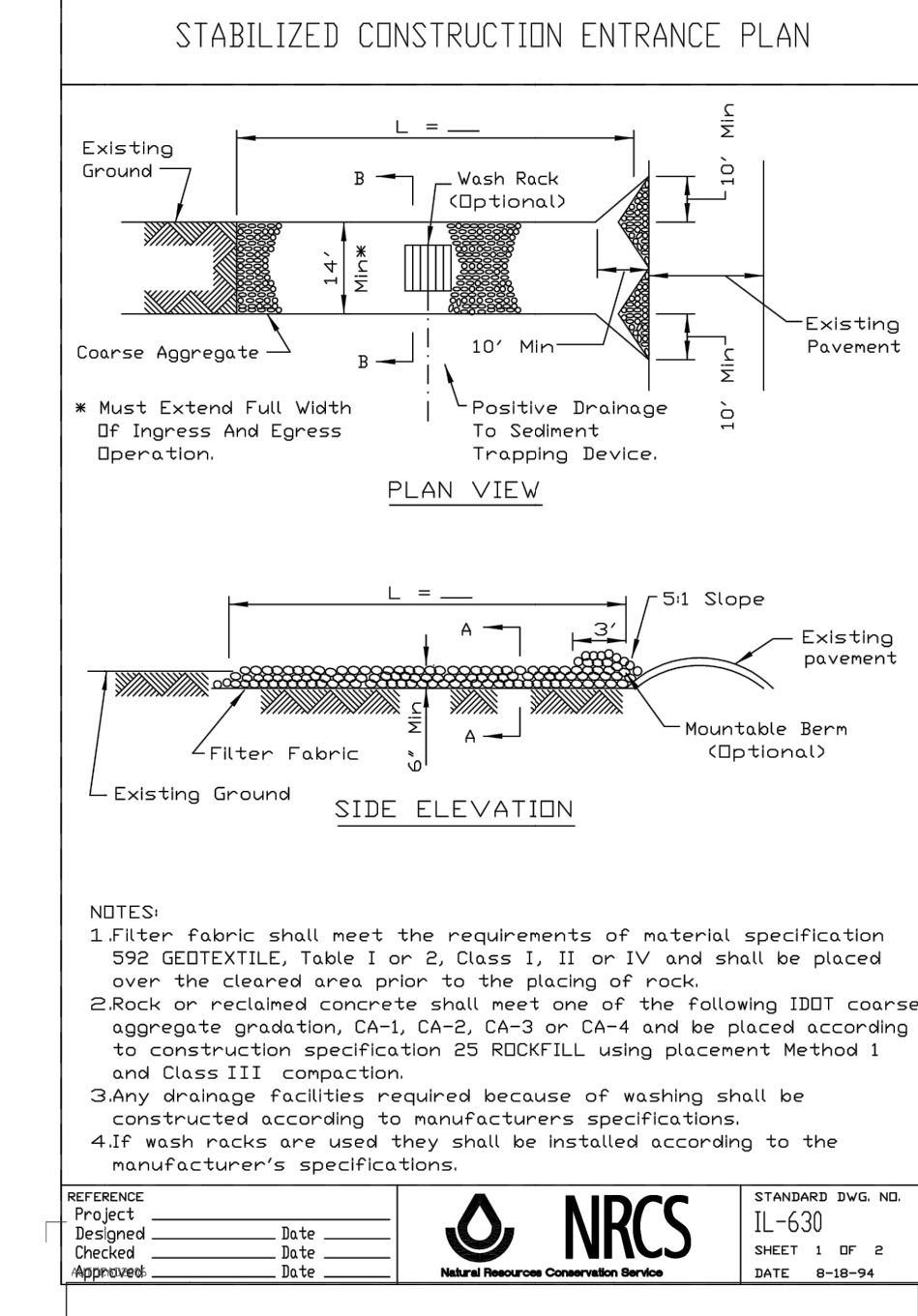
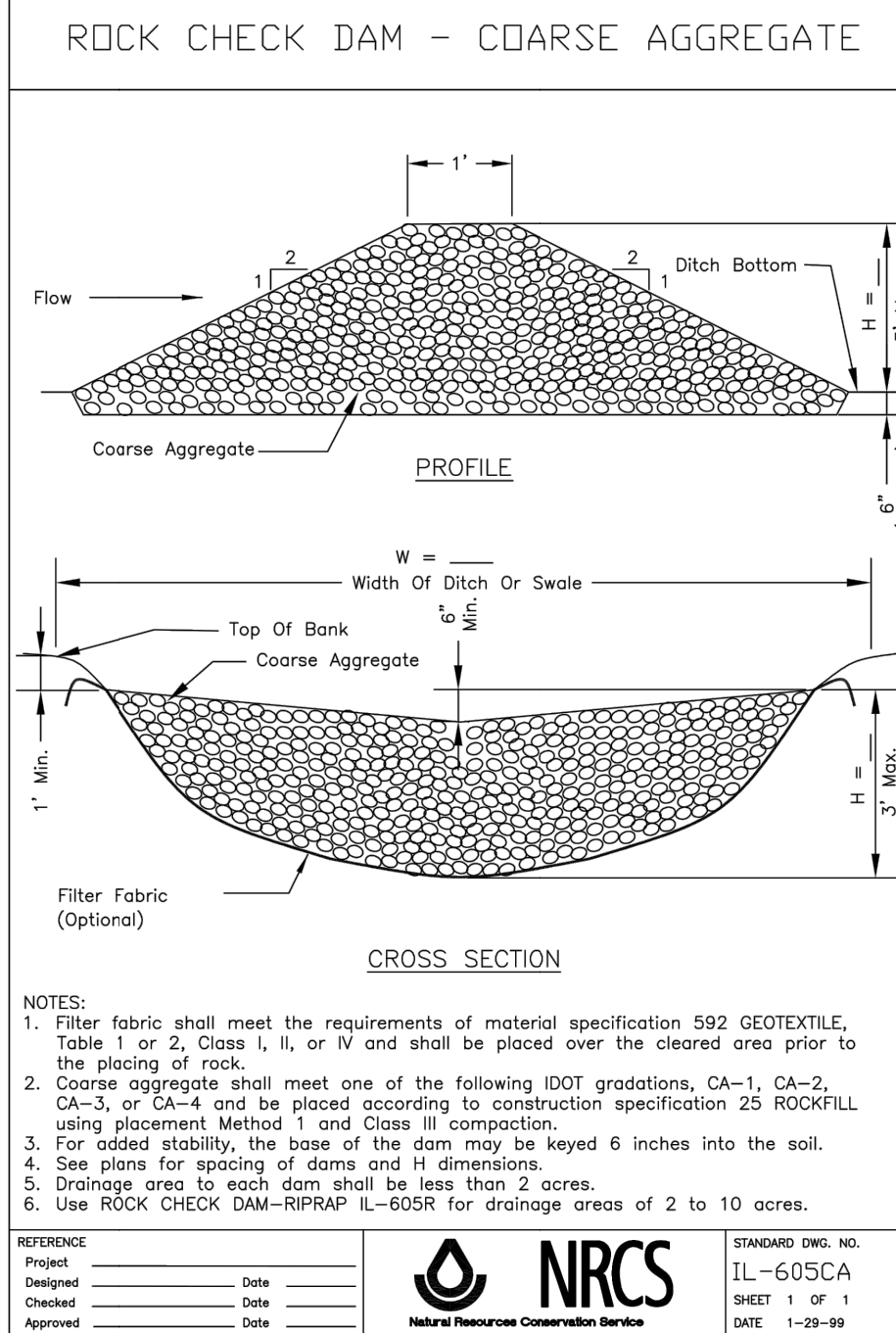
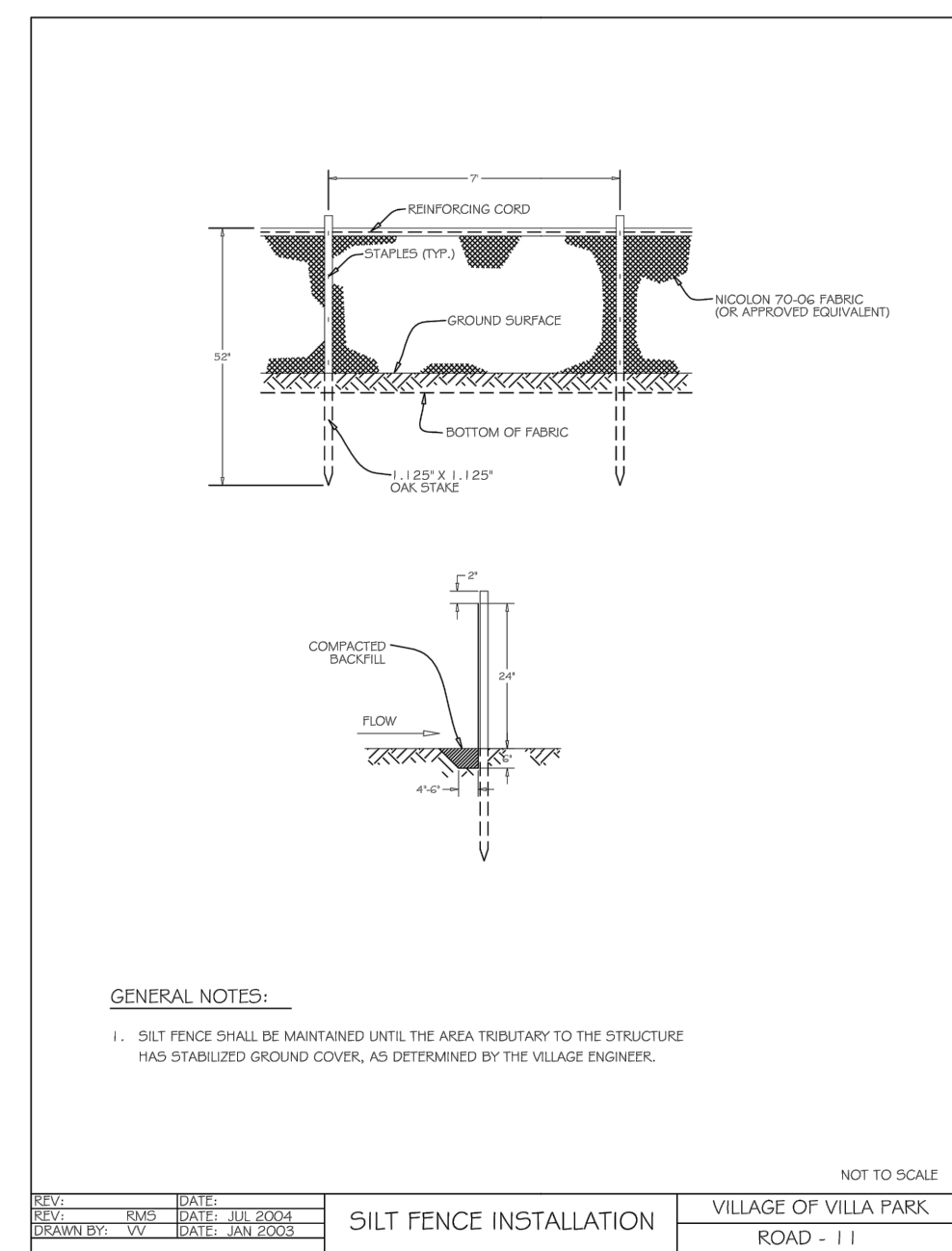
F.A. RTE. _____	ILLINOIS FED. AID PROJECT
CONTRACT NO. _____	

VILLAGE OF VILLA PARK EROSION CONTROL NOTES

- 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.
- 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.
- 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.
- SEE STANDARD VILLAGE OF VILLA PARK DETAILS FOR SILT FENCE AND DRAINAGE STRUCTURE PROTECTION REQUIREMENTS.
- ALL STATE AND LOCAL EROSION CONTROL MEASURES SHALL BE IMPLEMENTED AND MAINTAINED THROUGHOUT CONSTRUCTION.
- ALL SILT FENCE SHALL BE INSTALLED AND APPROVED BY THE VILLAGE OF VILLA PARK PRIOR TO CONSTRUCTION.
- SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE THE PROJECT SITE IS OTHERWISE DISTURBED.

EROSION AND SEDIMENT CONTROL GENERAL NOTES

- THE CONTRACTOR SHALL SURROUND ALL EARTH STOCKPILES WITH SILT FILTER FENCE AND SHALL BE PAID FOR AS PERIMETER EROSION BARRIER.
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH VILLAGE PARK CODE AND ARTICLE VII OF THE DUPAGE COUNTY WIDE 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.
- 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.
- THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORMWATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 06-60.
- 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.
- 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.
- 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 ERCTED 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.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION IS ACHIEVED.
- 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.
- EROSION CONTROL MEASURES AROUND PROPOSED INLETS AND CULVERTS SHALL BE CONSTRUCTED IMMEDIATELY AFTER THE DRAINAGE ITEMS ARE CONSTRUCTED.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
- 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.
- 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.
- EROSION CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE SEQUENCE OF STAGE CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE FOR APPROVAL.
- THE COST OF REMOVING SEDIMENT OR REPAIRING EROSION CONTROL SYSTEMS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPLICABLE EROSION CONTROL ITEM.
- THE CONTRACTOR SHALL USE NON-METALLIC STAPLES FOR THE INSTALLATION OF THE EROSION CONTROL BLANKET.



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CHECKED	— DLM	REVISED	—
DATE	— 6/29/22	REVISED	—

JACKSON POND EXPANSION PROJECT

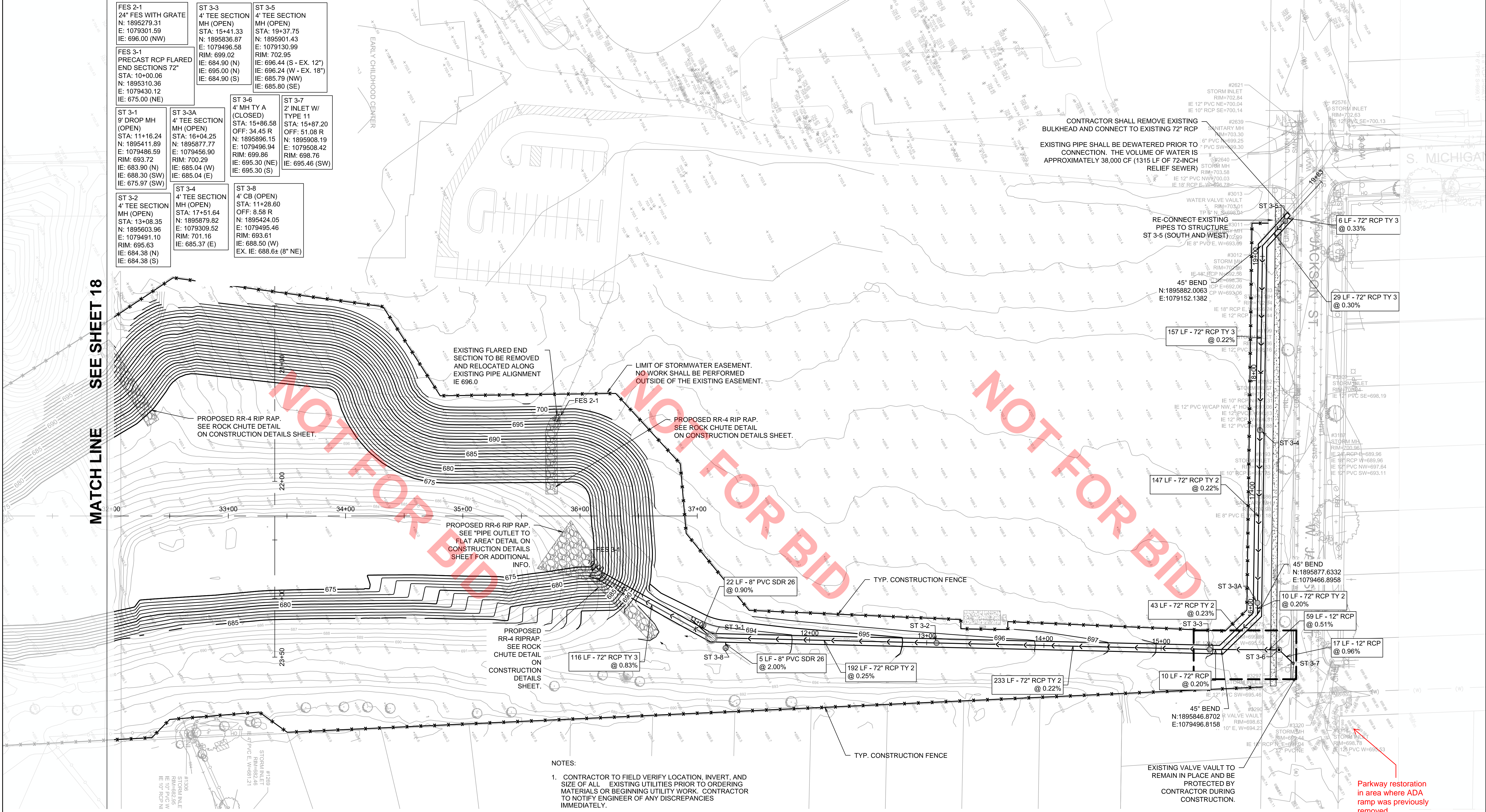
JACKSON POND EXPANSION PROJECT

EROSION CONTROL NOTES AND DETAILS

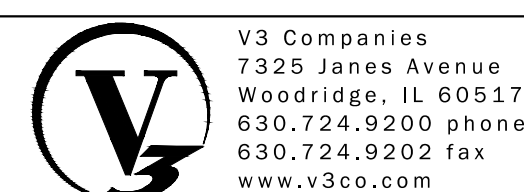
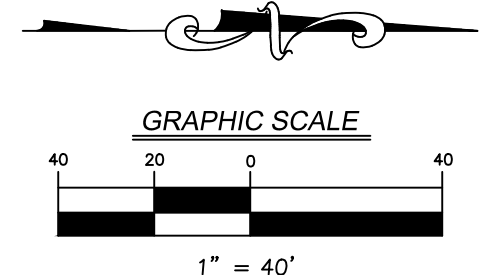
SCALE: _____ SHEET 3 OF 3 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	14	14
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				

FES 2-1 24" FES WITH GRATE N: 1895279.31 E: 1079301.59 IE: 696.00 (NW)	ST 3-3 4' TEE SECTION MH (OPEN) STA: 15+41.33 N: 1895836.87 E: 1079496.58 RIM: 699.02 IE: 684.90 (N) IE: 695.00 (N) IE: 684.90 (S)	ST 3-5 4' TEE SECTION MH (OPEN) STA: 19+37.75 N: 1895901.43 E: 1079130.99 RIM: 702.95 IE: 696.44 (S - EX. 12") IE: 696.24 (W - EX. 18") IE: 685.79 (NW) IE: 685.80 (SE)
FES 3-1 PRECAST RCP FLARED END SECTIONS 72" STA: 10+00.06 N: 1895310.36 E: 1079430.12 IE: 675.00 (NE)	ST 3-6 4' MH TY A (CLOSED) STA: 15+86.58 OFF: 34.45 R N: 1895896.15 E: 1079496.94 RIM: 699.86 IE: 695.30 (NE) IE: 695.30 (S)	ST 3-7 2' INLET W/ TYPE 11 STA: 15+87.20 OFF: 51.08 R N: 1895908.19 E: 1079508.42 RIM: 698.76 IE: 695.46 (SW) IE: 695.46 (SW)
ST 3-1 9" DROP MH (OPEN) STA: 11+16.24 N: 1895411.89 E: 1079486.59 RIM: 693.72 IE: 683.90 (N) IE: 688.30 (SW) IE: 675.97 (SW)	ST 3-3A 4' TEE SECTION MH (OPEN) STA: 16+04.25 N: 1895877.77 E: 1079456.90 RIM: 700.29 IE: 685.04 (W) IE: 685.04 (E)	ST 3-8 4' CB (OPEN) STA: 11+28.60 OFF: 8.58 R N: 1895424.05 E: 1079495.46 RIM: 693.61 IE: 688.50 (W) EX. IE: 688.64 (8" NE)
ST 3-2 4' TEE SECTION MH (OPEN) STA: 13+08.35 N: 1895603.96 E: 1079491.10 RIM: 695.63 IE: 684.38 (N) IE: 684.38 (S)	ST 3-4 4' TEE SECTION MH (OPEN) STA: 17+51.64 N: 1895879.82 E: 1079309.52 RIM: 701.16 IE: 685.37 (E)	



- NOTES:
- CONTRACTOR TO FIELD VERIFY LOCATION, INVERT, AND SIZE OF ALL EXISTING UTILITIES PRIOR TO ORDERING MATERIALS OR BEGINNING UTILITY WORK. CONTRACTOR TO NOTIFY ENGINEER OF ANY DISCREPANCIES IMMEDIATELY.
 - UNLESS INDICATED OTHERWISE, FRAME AND OPEN LID STORM STRUCTURES IN PAVEMENT SHALL BE NEENAH R-2502 WITH TYPE D LID OR APPROVED EQUAL, AND FRAME AND CLOSED LID STORM STRUCTURES IN PAVEMENT SHALL BE NEENAH R-1772 OR APPROVED EQUAL. FRAME AND OPEN LID STORM STRUCTURES IN OPEN SPACE SHALL BE R-4340-B OR APPROVED EQUAL. ALL FRAME AND GRATES SHALL CONFORM TO LOCAL MUNICIPALITY REQUIREMENTS. FRAME AND CLOSED LID STORM STRUCTURES LOCATED WITHIN AN ACCESSIBLE ROUTE SHALL BE NEENAH R-1772 WITH TYPE C LID (OR EQUIVALENT) WITH PERMA-GRIP SURFACE. DRILL 1 - 1" DIAMETER LIFT HOLE INSTEAD OF A STANDARD PICK HOLE.



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7325 James Avenue
Woodridge, IL 60517
630.724.9200 phone
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www.v3co.com

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CHECKED — DLM	REVISED —
DATE — 6/29/22	REVISED —

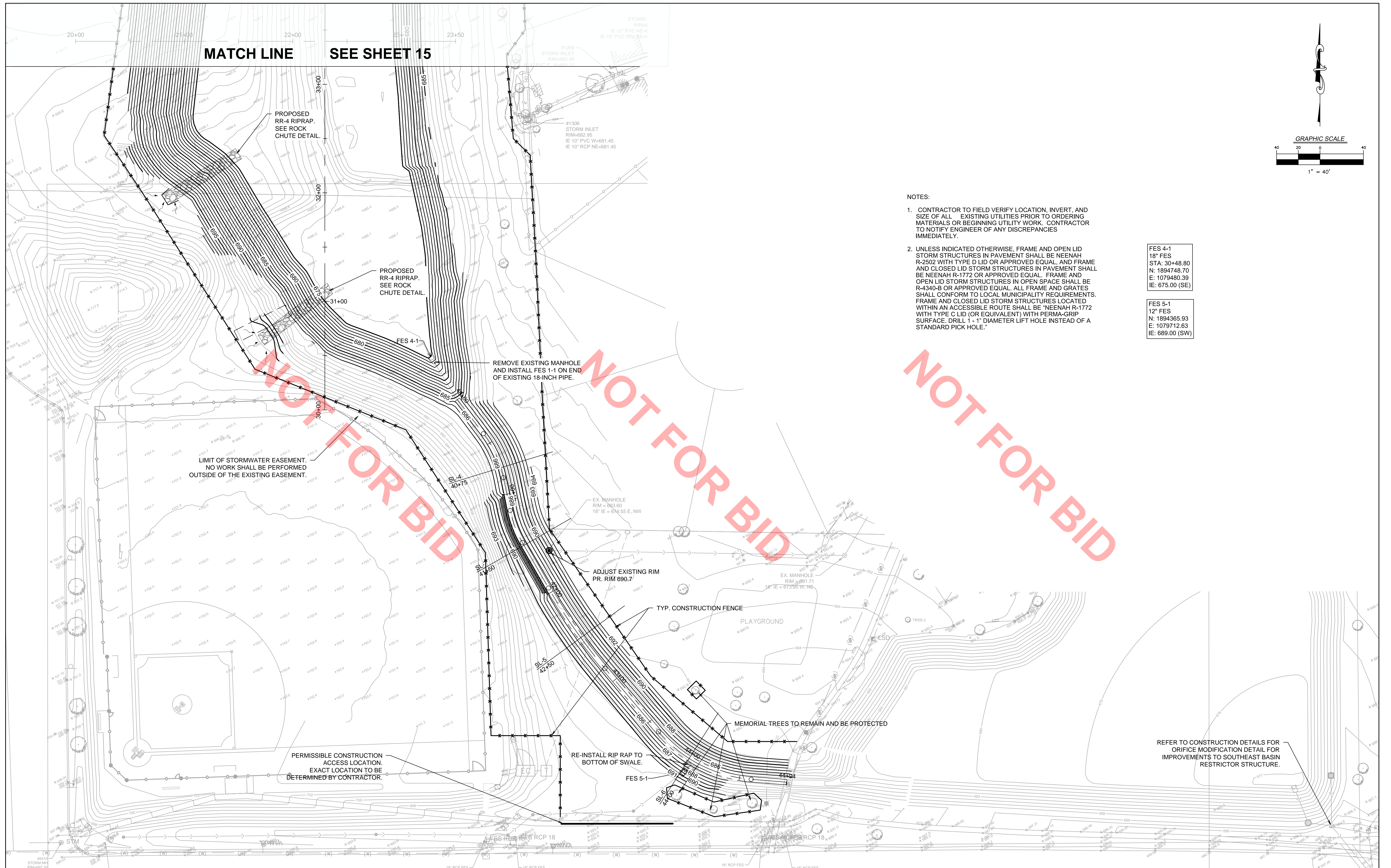
JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

UTILITY PLAN — NORTH

SCALE: 1" = 40' SHEET 1 OF 3 SHEETS STA. TO STA.

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



MATCH LINE SEE SHEET 15

PROPOSED RR-4 RIPRAP. SEE ROCK CHUTE DETAIL.

PROPOSED RR-4 RIPRAP. SEE ROCK CHUTE DETAIL.

REMOVE EXISTING MANHOLE AND INSTALL FES 1-1 ON END OF EXISTING 18-INCH PIPE.

LIMIT OF STORMWATER EASEMENT. NO WORK SHALL BE PERFORMED OUTSIDE OF THE EXISTING EASEMENT.

ADJUST EXISTING RIM PR. RIM 690.7

TYP. CONSTRUCTION FENCE

PLAYGROUND

MEMORIAL TREES TO REMAIN AND BE PROTECTED

PERMISSIBLE CONSTRUCTION ACCESS LOCATION. EXACT LOCATION TO BE DETERMINED BY CONTRACTOR.

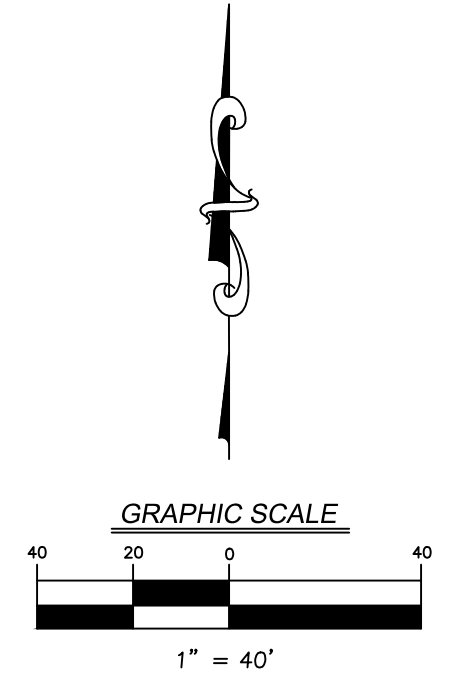
RE-INSTALL RIP RAP TO BOTTOM OF SWALE.

REFER TO CONSTRUCTION DETAILS FOR ORIFICE MODIFICATION DETAIL FOR IMPROVEMENTS TO SOUTHEAST BASIN RESTRICTOR STRUCTURE.

- NOTES:
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FES 4-1
18" FES
STA: 30+48.80
N: 1894748.70
E: 1079480.39
IE: 675.00 (SE)

FES 5-1
12" FES
N: 1894365.93
E: 1079712.63
IE: 689.00 (SW)



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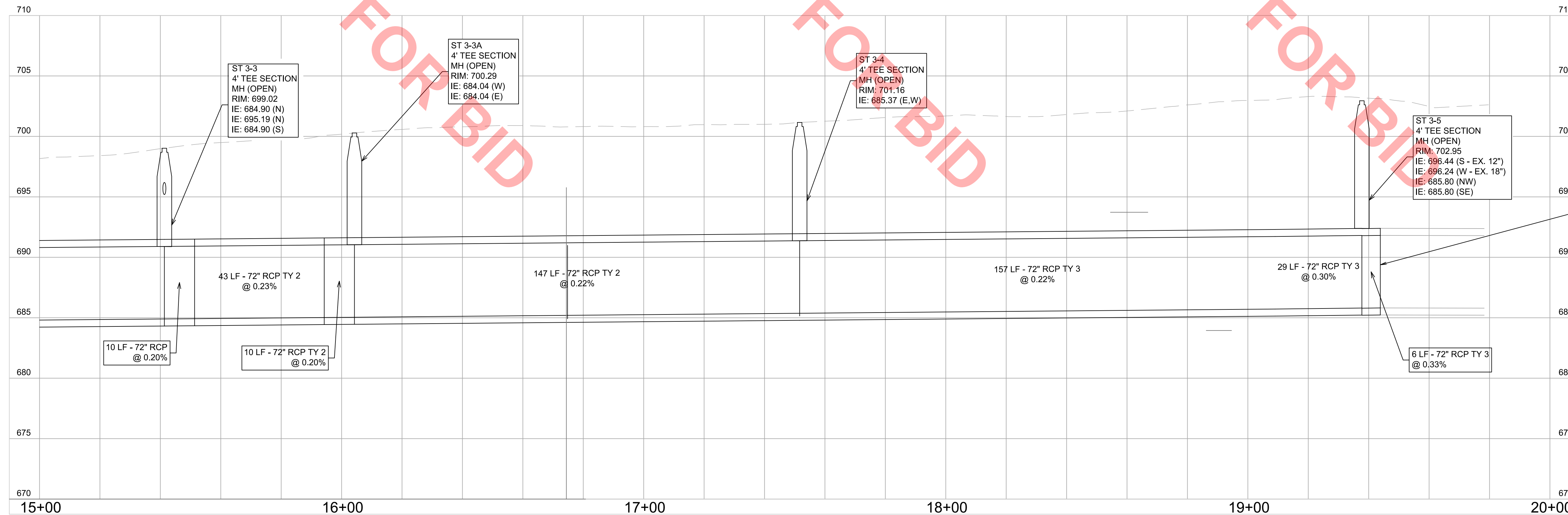
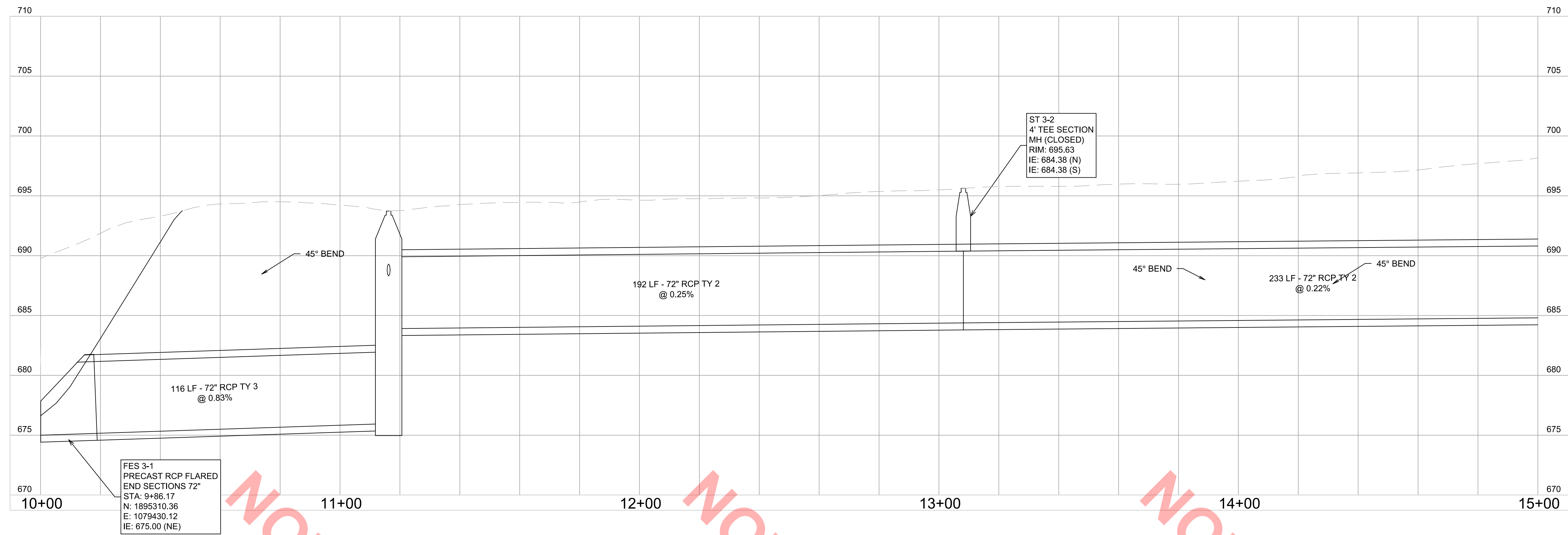
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JACKSON POND EXPANSION PROJECT

UTILITY PLAN — SOUTH

SCALE: 1" = 40' SHEET 2 OF 3 SHEETS STA. TO STA.

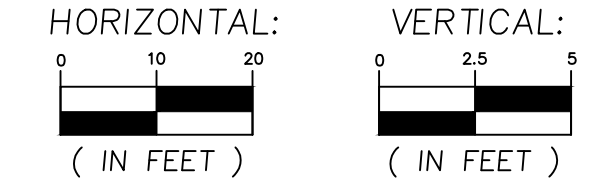
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			16	16
CONTRACT NO.				



CONTRACTOR SHALL REMOVE EXISTING BULKHEAD AND CONNECT TO EXISTING 72\"/>

EXISTING PIPE SHALL BE DEWATERED PRIOR TO CONNECTION. THE VOLUME OF WATER IS APPROXIMATELY 38,000 CF (1315 LF OF 72-INCH RELIEF SEWER)

GRAPHIC SCALE



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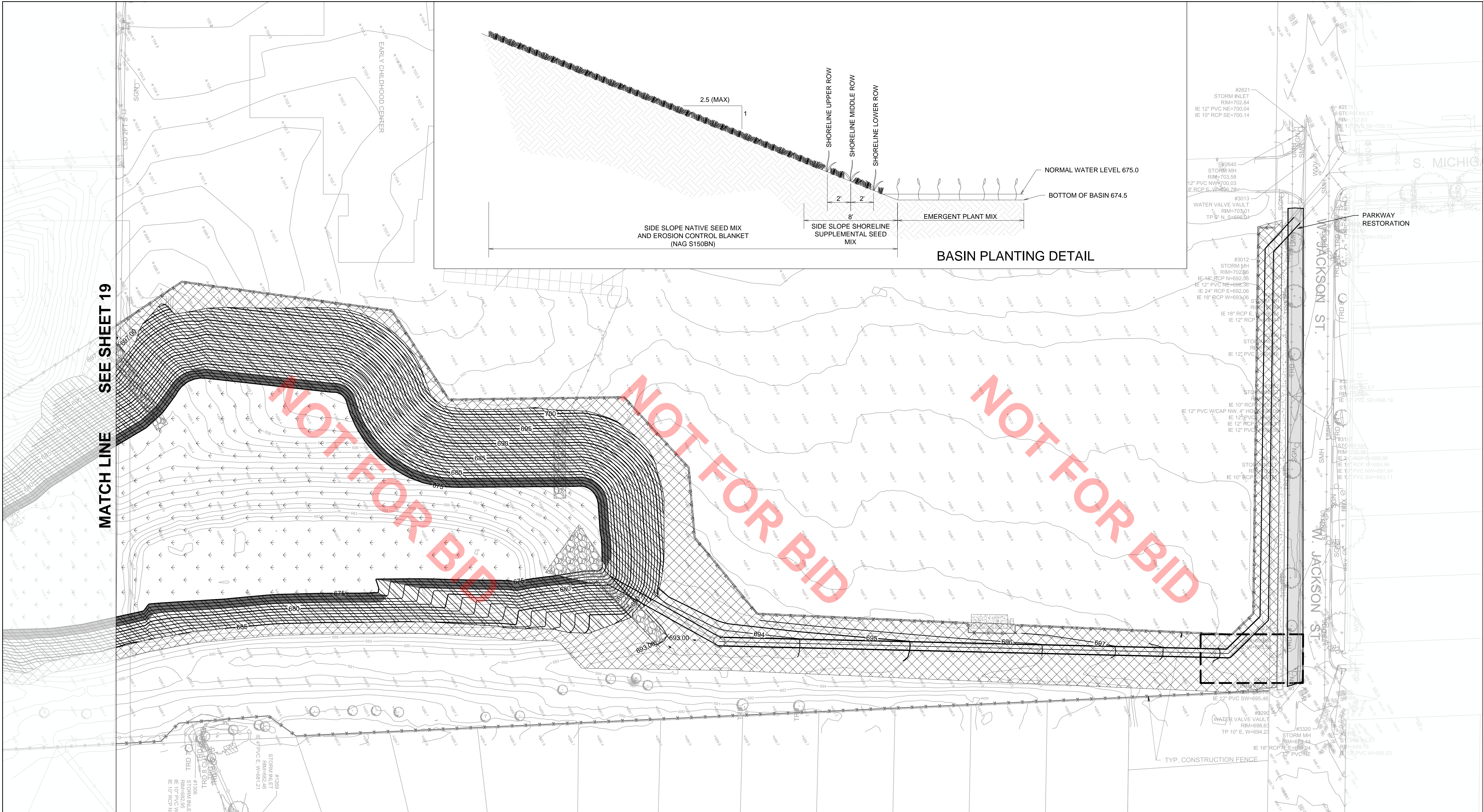
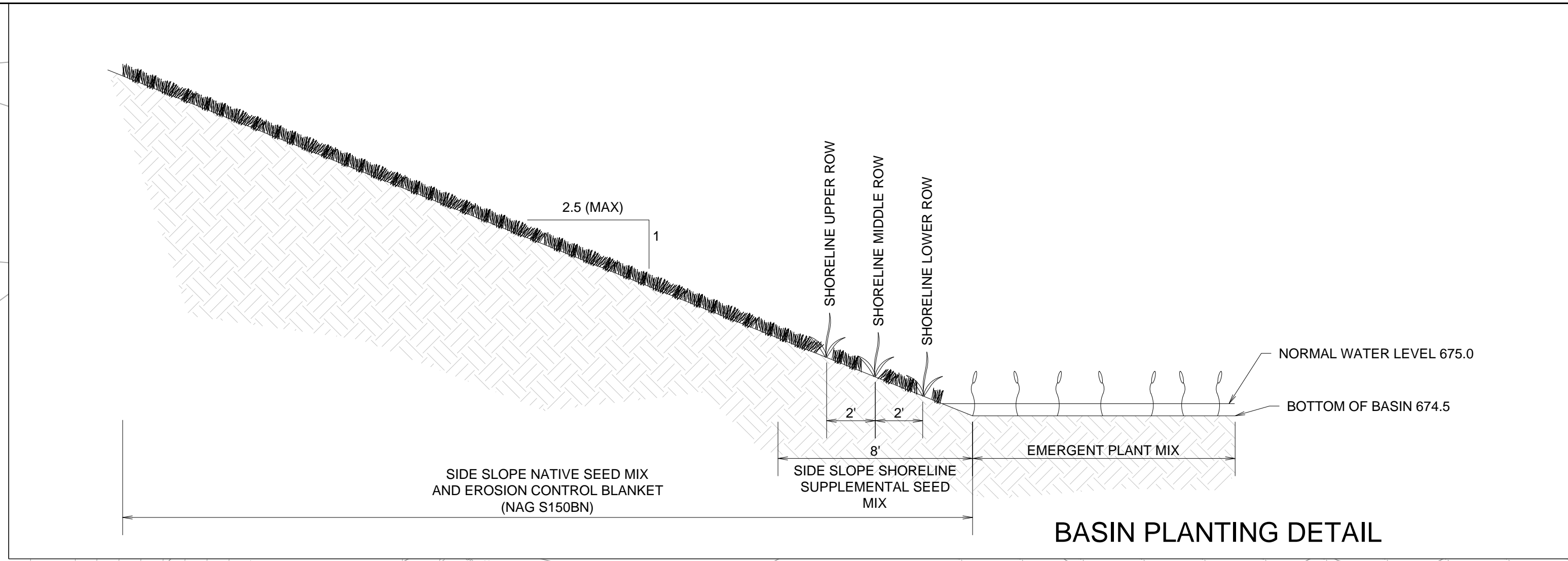
JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

UTILITY PROFILES

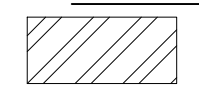

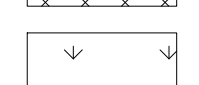

SCALE: 1" = 40' SHEET 3 OF 3 SHEETS STA. _____ TO STA. _____

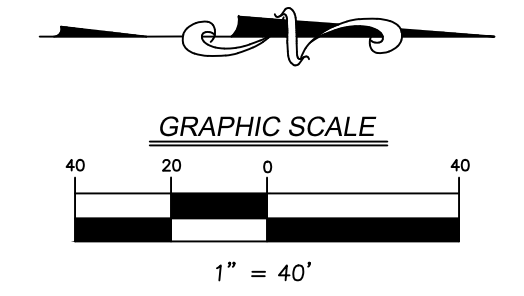
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DUPAGE	17	17
CONTRACT NO. _____				
ILLINOIS FED. AID PROJECT				



MATCH LINE SEE SHEET 19

LEGEND

-  SIDE SLOPE NATIVE SEED MIX
-  TURF GRASS, IDOT CLASS 1 SEED
-  EMERGENT PLANT MIX
-  SIDE SLOPE SHORELINE SUPPLEMENTAL SEED MIX AND SHORELINE PLUGS



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DATE	— 6/29/22	REVISED	—

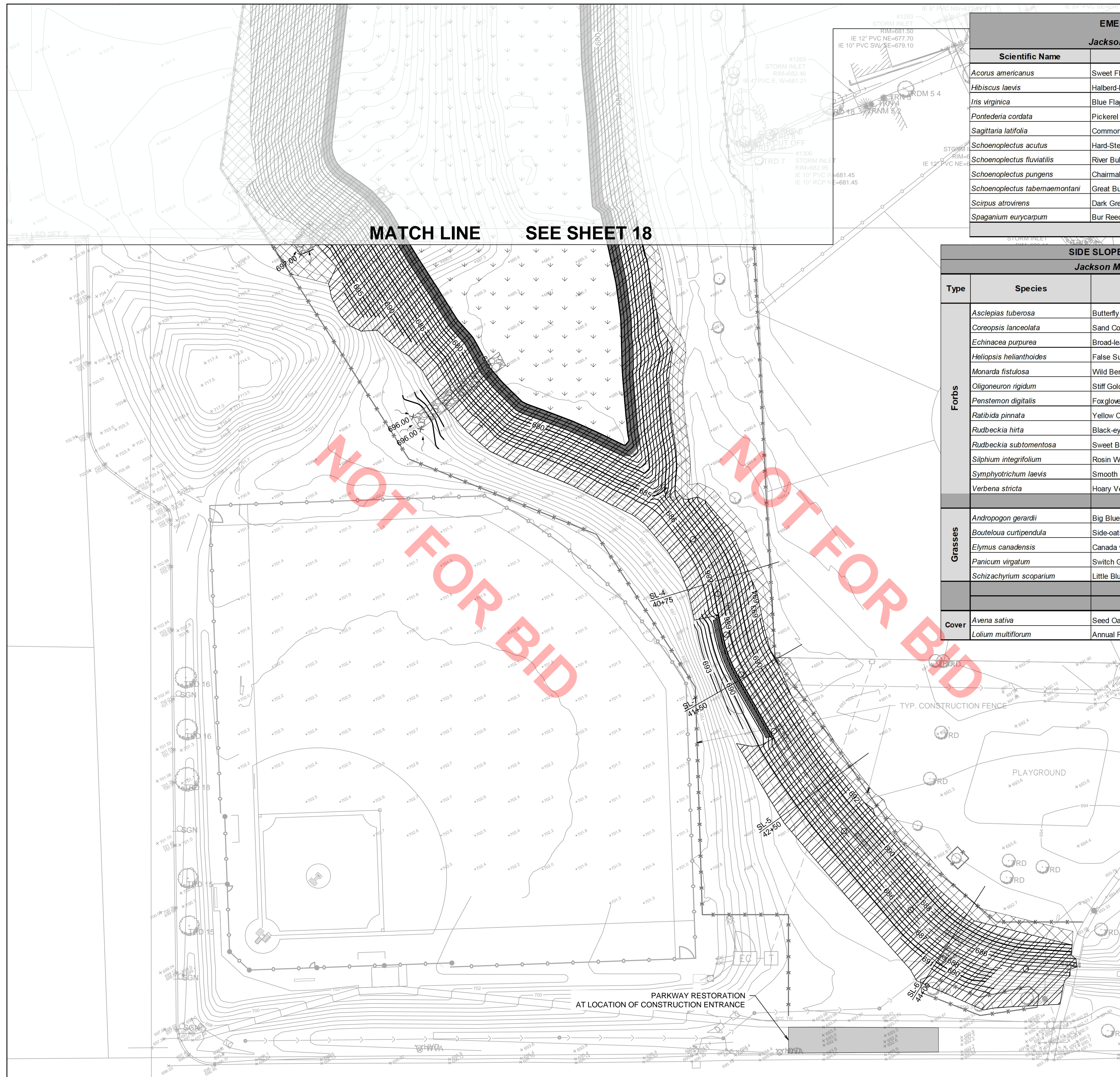
JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

PLANTING PLAN — NORTH

SCALE: 1" = 40' SHEET 2 OF 2 SHEETS STA. _____ TO STA. _____

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



EMERGENT PLANT MIX		
Jackson Middle School Pond		
Scientific Name	Common Name	Planting Rate (plugs/ac)
<i>Acorus americanus</i>	Sweet Flag	700
<i>Hibiscus laevis</i>	Halberd-leaved Rose Mallow	200
<i>Iris virginica</i>	Blue Flag	400
<i>Pontederia cordata</i>	Pickelweed	400
<i>Sagittaria latifolia</i>	Common Arrowhead	500
<i>Schoenoplectus acutus</i>	Hard-Stemmed Bulrush	700
<i>Schoenoplectus fluviatilis</i>	River Bulrush	300
<i>Schoenoplectus pungens</i>	Chairmaker's Rush	300
<i>Schoenoplectus tabernaemontani</i>	Great Bulrush	700
<i>Scirpus atrovirens</i>	Dark Green Bulrush	300
<i>Sparganium eurycarpum</i>	Bur Reed	500
Total Per/Acre:		5,000

SIDE SLOPE NATIVE SEED MIX			
Jackson Middle School Pond			
Type	Species	Common Name	Seeding Rate (lbs/ac)
Forbs	<i>Asclepias tuberosa</i>	Butterfly Weed	0.350
	<i>Coreopsis lanceolata</i>	Sand Coreopsis	0.250
	<i>Echinacea purpurea</i>	Broad-leaved Pur. Coneflower	0.500
	<i>Helopsis helianthoides</i>	False Sunflower	0.250
	<i>Monarda fistulosa</i>	Wild Bergamot	0.250
	<i>Oligoneuron rigidum</i>	Stiff Goldenrod	0.125
	<i>Penstemon digitalis</i>	Foxglove Beard Tongue	0.250
	<i>Ratibida pinnata</i>	Yellow Coneflower	0.500
	<i>Rudbeckia hirta</i>	Black-eyed Susan	0.250
	<i>Rudbeckia subtomentosa</i>	Sweet Black-eyed Susan	0.350
	<i>Silphium integrifolium</i>	Rosin Weed	0.125
	<i>Symphyotrichum laevis</i>	Smooth Blue Aster	0.250
	<i>Verbena stricta</i>	Hoary Vervain	0.125
	sub total	3.575	
Grasses	<i>Andropogon gerardii</i>	Big Bluestem	2.000
	<i>Bouteloua curtipendula</i>	Side-oats Grama	10.000
	<i>Elymus canadensis</i>	Canada wild rye	3.000
	<i>Panicum virgatum</i>	Switch Grass	2.000
	<i>Schizachyrium scoparium</i>	Little Bluestem	10.000
		sub total	27.000
		Total Permanent Species:	30.575
Cover	<i>Avena sativa</i>	Seed Oats	32.000
	<i>Lolium multiflorum</i>	Annual Rye	0.500

SHORELINE PLANT MIX - 1,400 LF		
Jackson Middle School Pond		
SHORELINE UPPER PLANTING ROW (plants installed on slope 4 horizontal feet above NWL - 2' on center)		
Species	Common Name	Quantity
<i>Carex frankii</i>	Frank's Sedge	100
<i>Carex trichocarpa</i>	Hairy-fruited Sedge	200
<i>Panicum virgatum</i>	Switch Grass	100
<i>Spartina pectinata</i>	Prairie Cord Grass	300
Sub Total Plants:		700

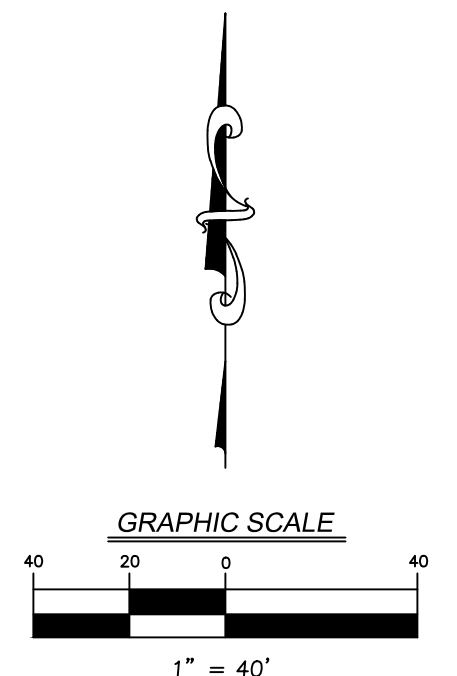
SHORELINE MIDDLE PLANTING ROW (plants installed on slope 2 horizontal feet above NWL - 2' on center)		
Species	Common Name	Quantity
<i>Carex vulpinoidea</i>	Fox Sedge	250
<i>Carex trichocarpa</i>	Hairy-fruited Sedge	100
<i>Schoenoplectus pungens</i>	Chairmaker's Rush	100
<i>Spartina pectinata</i>	Prairie Cord Grass	250
Sub Total Plants:		700

SHORELINE LOWER PLANTING ROW (plants installed on slope along NWL elevation - 2' on center)		
Species	Common Name	Quantity
<i>Carex emoryi</i>	Riverbank Sedge	200
<i>Carex lacustris</i>	Lake Sedge	200
<i>Scirpus atrovirens</i>	Dark Green Bulrush	100
<i>Schoenoplectus pungens</i>	Chairmaker's Rush	200
Sub Total Plants:		700
Grand Total Plants:		2,100

SIDE SLOPE "SHORELINE SUPPLEMENTAL" NATIVE SEED MIX			
Jackson Middle School Pond			
Scientific Name	Common Name	Seeding Rate (lbs/ac)	
Grasses			
<i>Elymus virginicus</i>	Virginia Wild Rye	3.000	
<i>Leersia oryzoides</i>	Rice Cut Grass	0.250	
		3.250	
Sedges and Rushes			
<i>Carex cristatella</i>	Crested Oval Sedge	0.125	
<i>Carex frankii</i>	Bristly Cattail Sedge	0.500	
<i>Carex vulpinoidea</i>	Brown Fox Sedge	1.000	
<i>Eleocharis erythropoda</i>	Red-Rooted Spike Rush	0.125	
<i>Juncus dudleyi</i>	Dudley's Rush	0.125	
<i>Juncus torreyi</i>	Torrey's Rush	0.125	
		2.000	
Forbs			
<i>Boltonia asterioides recognita</i>	False Aster	0.125	
<i>Helenium autumnale</i>	Sneezeweed	0.250	
<i>Physostegia virginiana</i>	Obedient Plant	0.250	
<i>Symphyotrichum lanceolatum</i>	Panicled Aster	0.125	
<i>Verbena hastata</i>	Blue Vervain	0.350	
<i>Vernonia fasciculata</i>	Iron Weed	0.250	
		1.350	
Total Permanent Species Per/Acre:		6.600	
Cover Crop			
<i>Avena sativa</i>	Seed Oats	32.000	
<i>Lolium multiflorum</i>	Annual Rye	0.500	

LEGEND

- SIDE SLOPE NATIVE SEED MIX
- TURF GRASS, IDOT CLASS 1 SEED
- EMERGENT PLANT MIX
- SIDE SLOPE SHORELINE SUPPLEMENTAL SEED MIX AND SHORELINE PLUGS



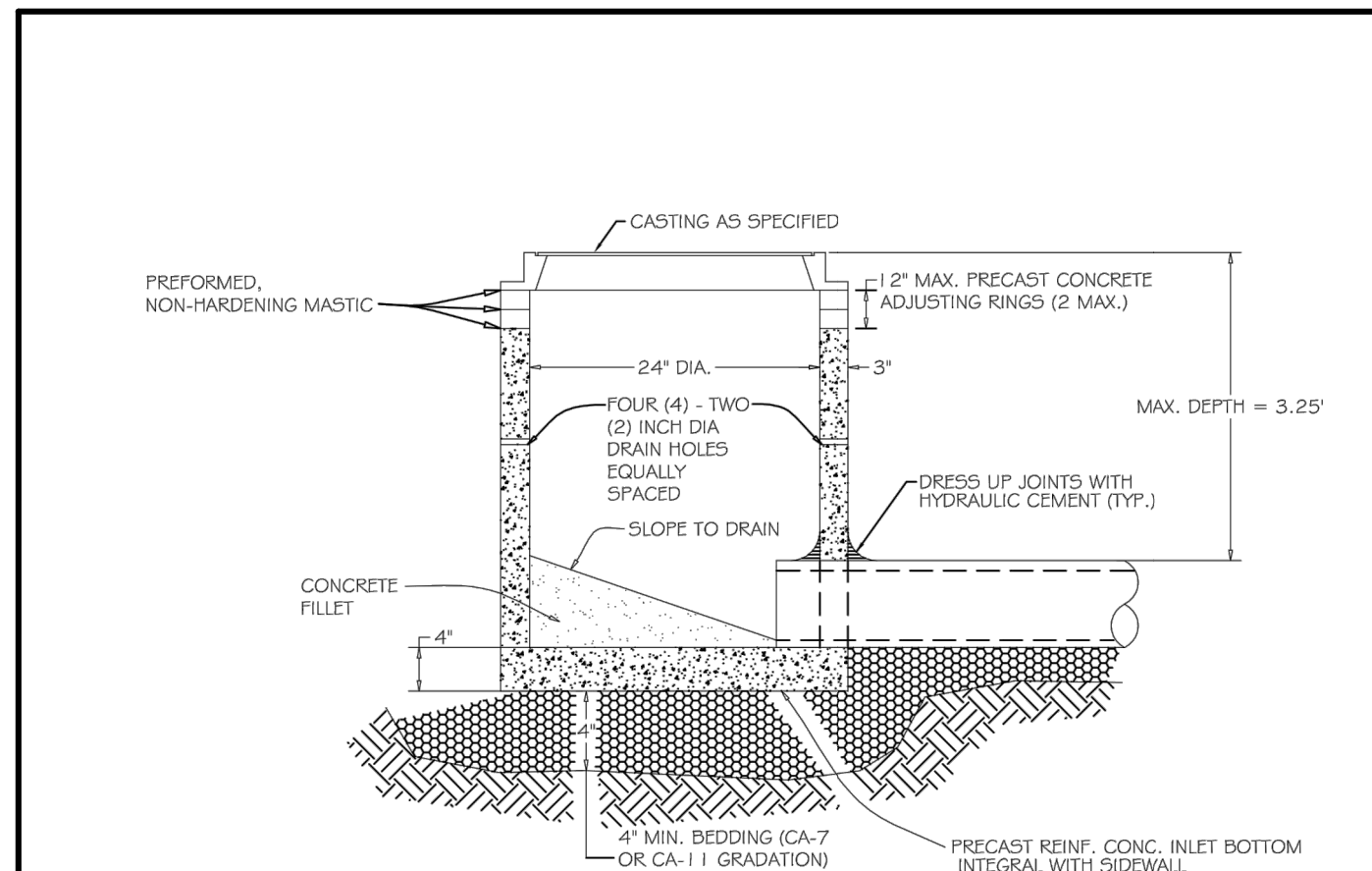
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JACKSON POND EXPANSION PROJECT
JACKSON POND EXPANSION PROJECT

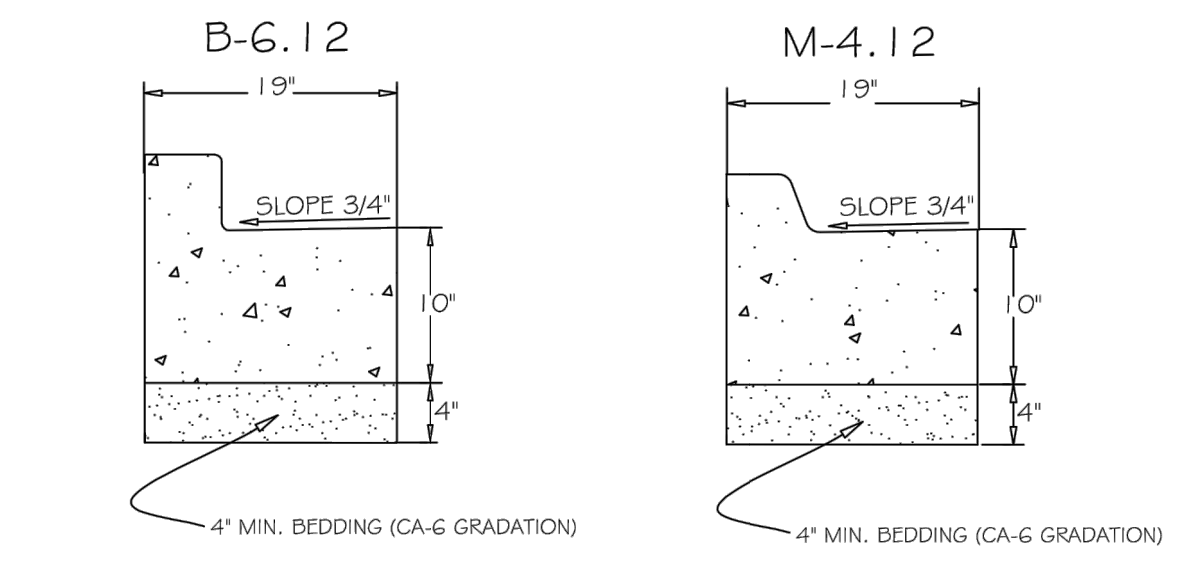
PLANTING PLAN — SOUTH
SCALE: 1" = 40' SHEET 1 OF 2 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				19
CONTRACT NO.				



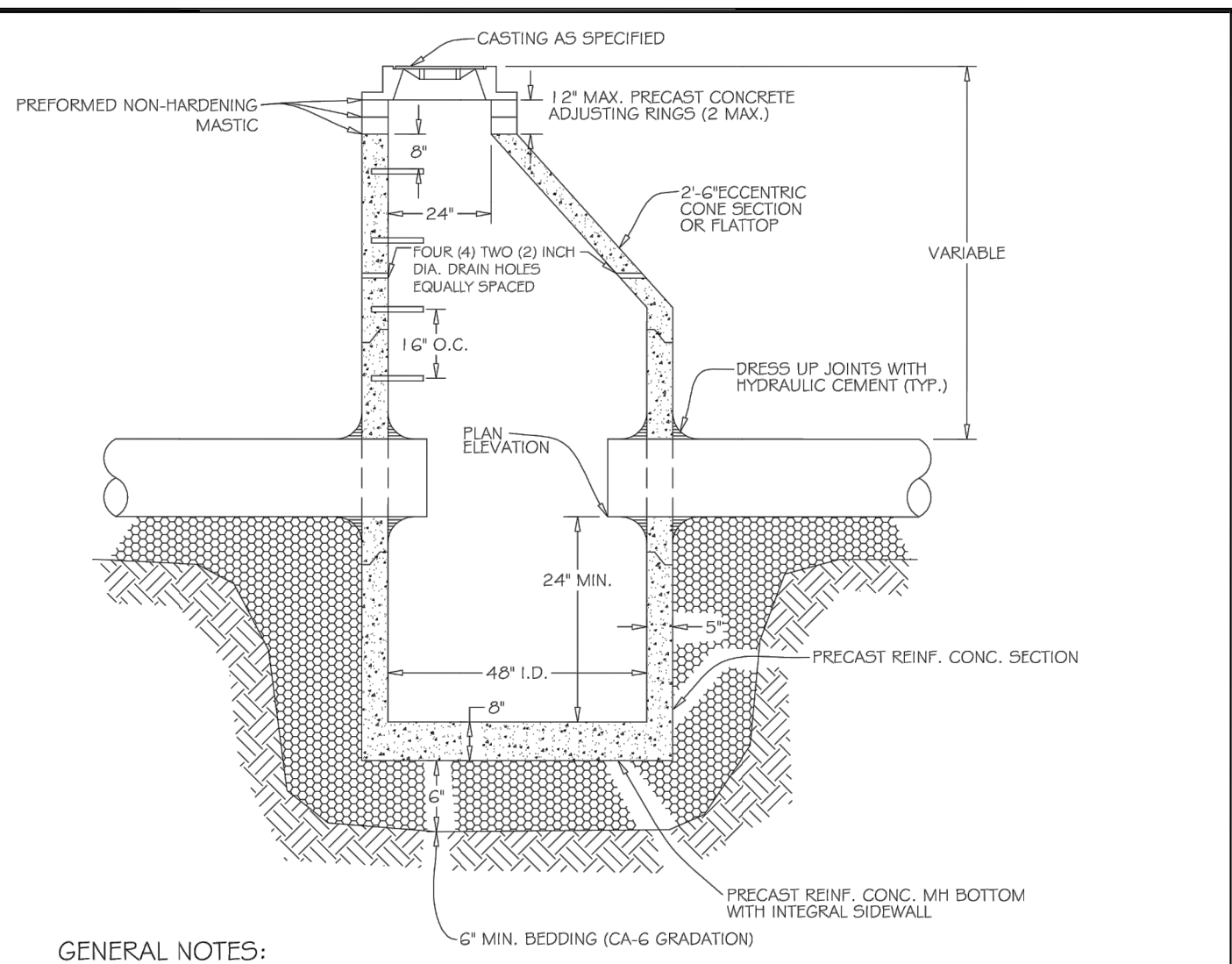
GENERAL NOTES:

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 RING(S) AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK, E2 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. 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(S) TO BE PLACED AT ALL EXPANSION JOINTS.



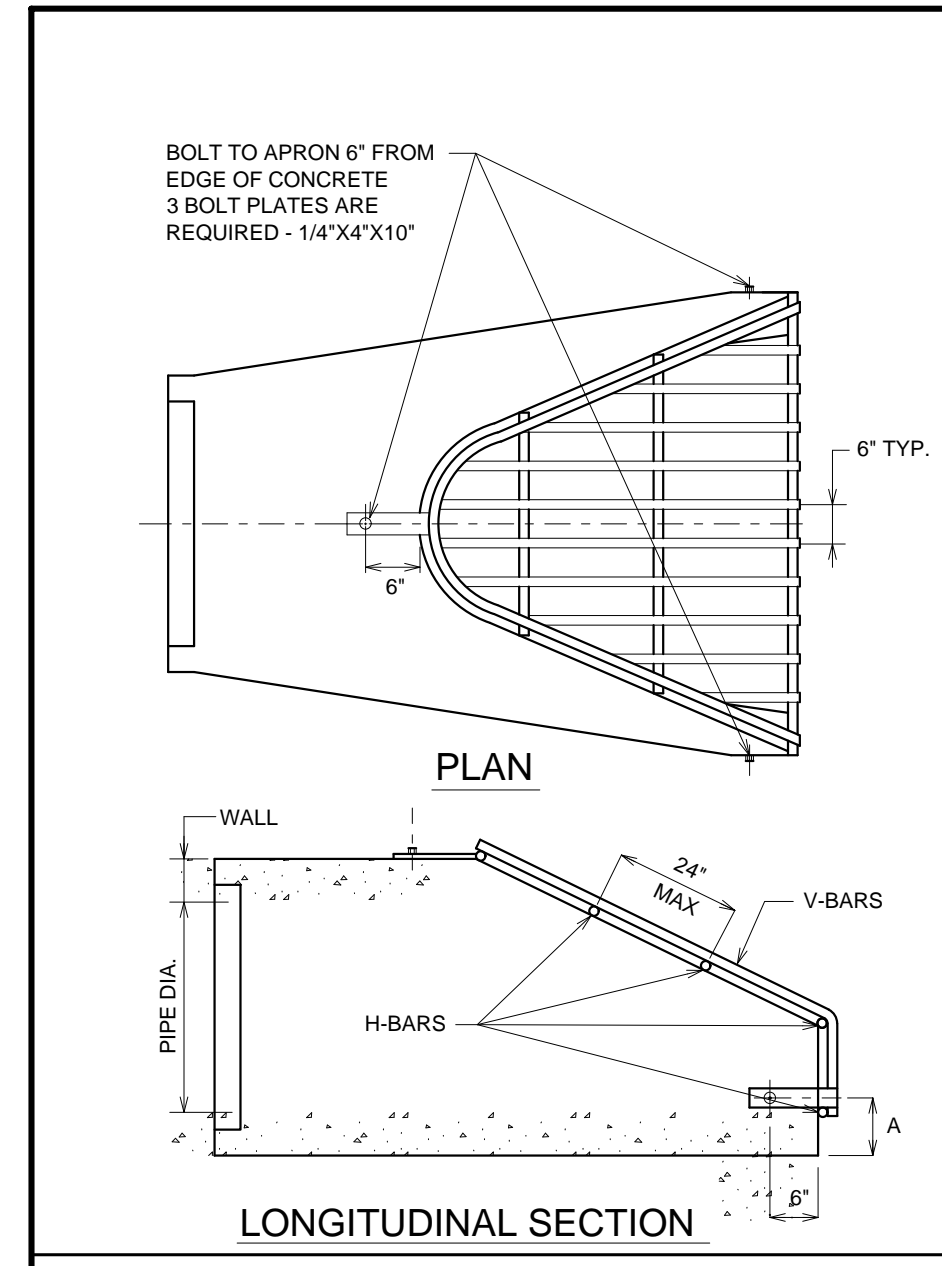
GENERAL NOTES:

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 E2 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 RING(S) AND FRAME SHALL BE SET IN A BED OF PREFORMED NON-HARDENING MASTIC (RUB-R-NEK, E2 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.

REV: RNS	DATE: JUL 2004	INLET TYPE "A"	VILLAGE OF VILLA PARK STORM - 15
REV: VV	DATE: JAN 2003		
DRAWN BY: VV	DATE: JAN 2003		

REV: RNS	DATE: JUL 2004	COMBINATION CONCRETE CURB AND GUTTER	VILLAGE OF VILLA PARK ROAD - 02
REV: VV	DATE: JAN 2003		
DRAWN BY: VV	DATE: JAN 2003		

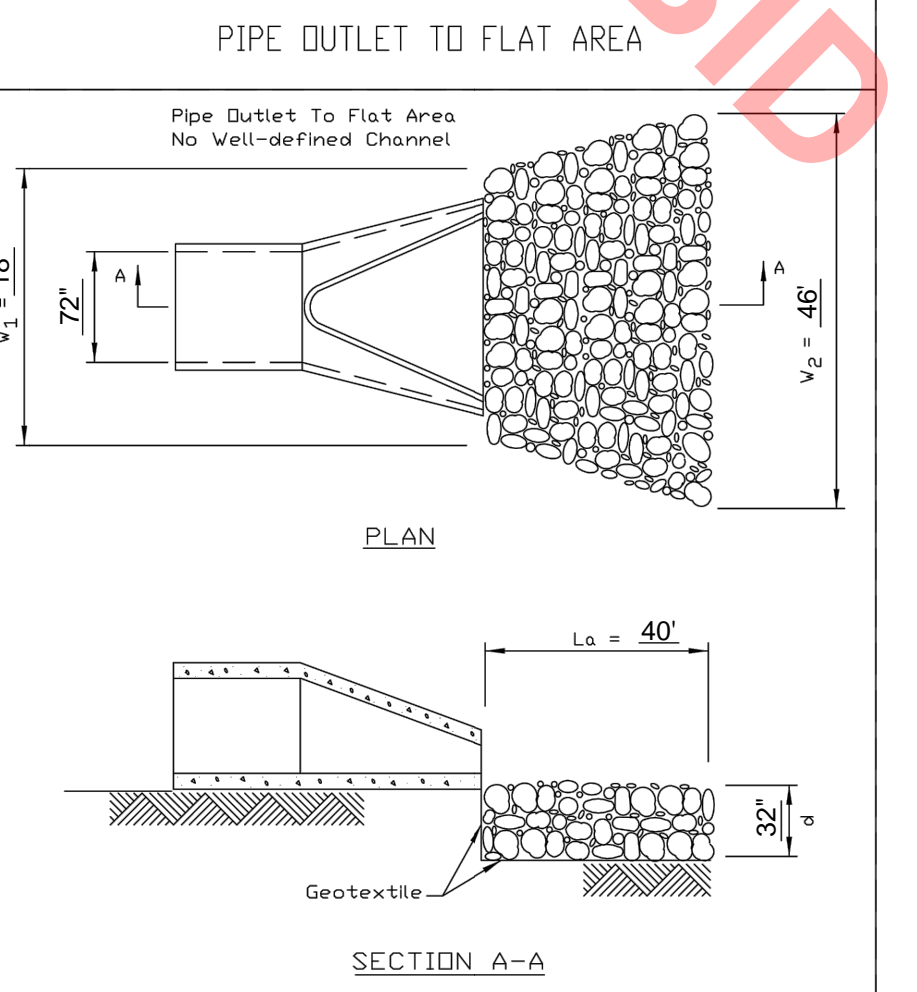
REV: RNS	DATE: JUL 2004	CATCH BASIN TYPE "A"	VILLAGE OF VILLA PARK STORM - 16
REV: VV	DATE: JAN 2003		
DRAWN BY: VV	DATE: JAN 2003		



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.

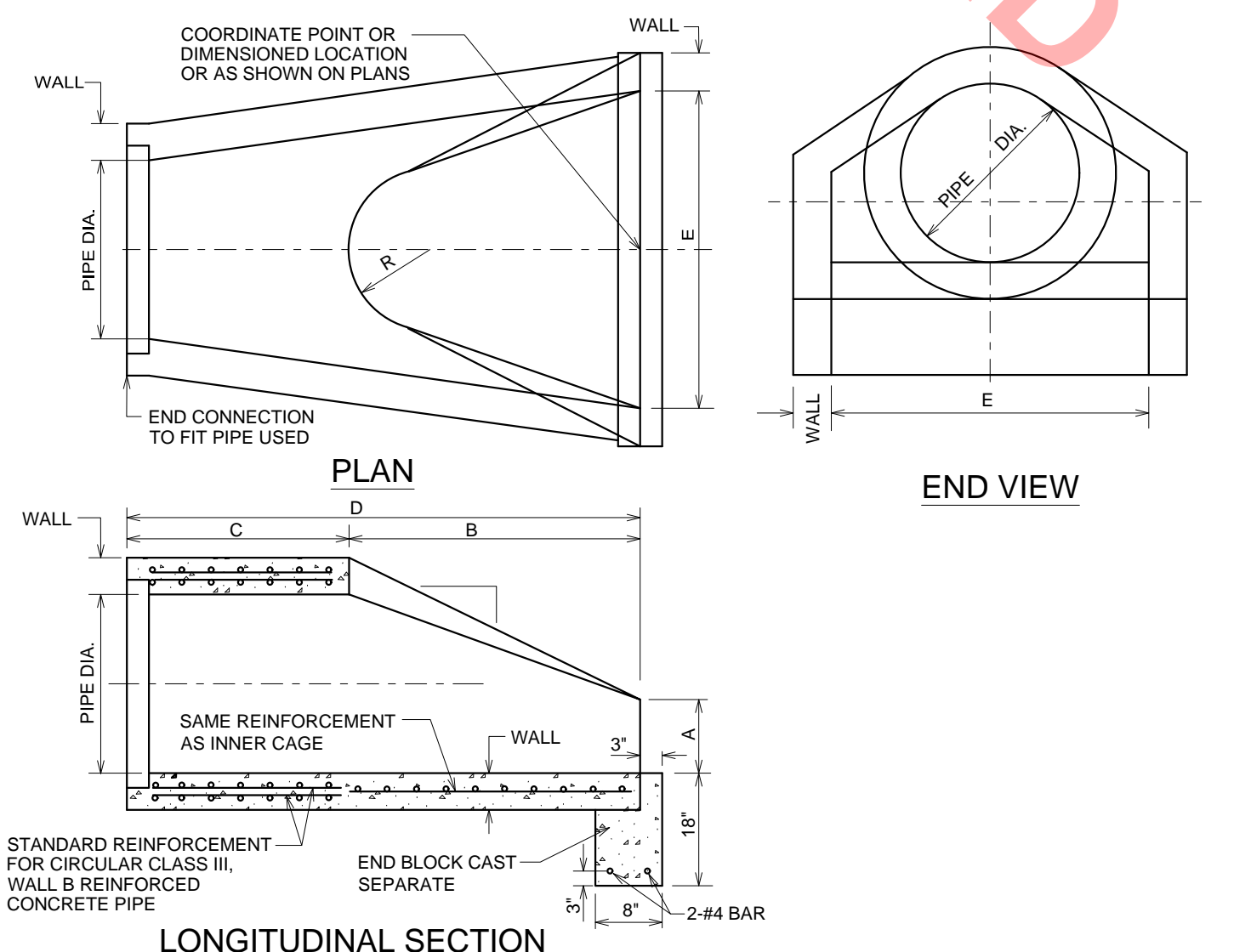
ROUND PIPE	APRON SIZE	V-BAR SIZE	H-BAR SIZE	NO. OF H-BARS REQD	BOLT DIA	"A" DIM
	INCHES				INCHES	
12	1/2 DIA	5/8 DIA	3/4 DIA	3	1/2	4
15	1/2 DIA	5/8 DIA	3/4 DIA	3	1/2	4 1/2
18	1/2 DIA	5/8 DIA	3/4 DIA	4	1/2	4 1/2
21	1/2 DIA	5/8 DIA	3/4 DIA	4	1/2	5
24	5/8 DIA	3/4 DIA	3/4 DIA	4	1/2	5
27	5/8 DIA	3/4 DIA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



NOTES:

1. The filter fabric shall meet the requirements in material specifications 596 GEOTEXTILE Table 1 or 2, class I, II or III.
2. The rock riprap shall meet the IDOT requirements for the following gradation: RR-6, Quality A.
3. The riprap shall be placed according to construction specification 61 LOOSE ROCK RIPRAP. The rock may be equipment placed.
4. BEDDING SHALL BE PLACED BELOW RR-6 STONE (10-INCHES MINIMUM PER IDOT STANDARD SPECS SECTION 281).

REFERENCE Project: _____	DATE: _____	NRCSS NATURE RESOURCE CONSERVATION SERVICE	STANDARD DWG. NO. IL-610
Designed: _____	DATE: _____		SHEET 1 OF 1
Checked: _____	DATE: _____		DATE: 9-15-93
Approved: _____	DATE: _____		



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"	2 3/4"	9"	2'-11"	3'-2"	6'-1"	3'-6"	13"	3:1
24"	3"	9 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"	2'-5 1/2"	6'-1 1/2"	4'-6"	14 1/2"	3:1
30"	3 1/2"	12"	4'-6"	1'-9 3/4"	6'-3 3/4"	5'-0"	15"	3:1
33"	3 3/4"	13 1/2"	4'-10 1/2"	3'-9 3/4"	8'-1 3/4"	5'-6"	17 1/2"	3:1
36"	4"	15"	5'-3"	3'-4 1/4"	8'-1 3/4"	6'-0"	20"	3:1
42"	4 1/2"	21"	5'-3"	3'-5"	8'-2"	6'-6"	22"	3:1
48"	5"	24"	6'-0"	2'-6"	8'-2"	7'-0"	22"	3:1
54"	5 1/2"	27"	5'-5"	3'-5"	8'-4"	7'-6"	24"	2.4:1
60"	6"	35"	5'-0"	3'-9"	8'-3"	8'-0"	*	2:1
66"	6 1/2"	30"	6'-0"	2'-7"	8'-3"	8'-6"	*	2:1
72"	7"	36"	6'-6"	2'-11"	8'-3"	9'-0"	*	2.26:1
78"	7 1/2"	36"	7'-6"	2'-11"	9'-3"	9'-6"	*	2.12:1
84"	8"	36"	7'-6 1/2"	2'-11"	9'-3 1/2"	10'-0"	*	1.94:1

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.



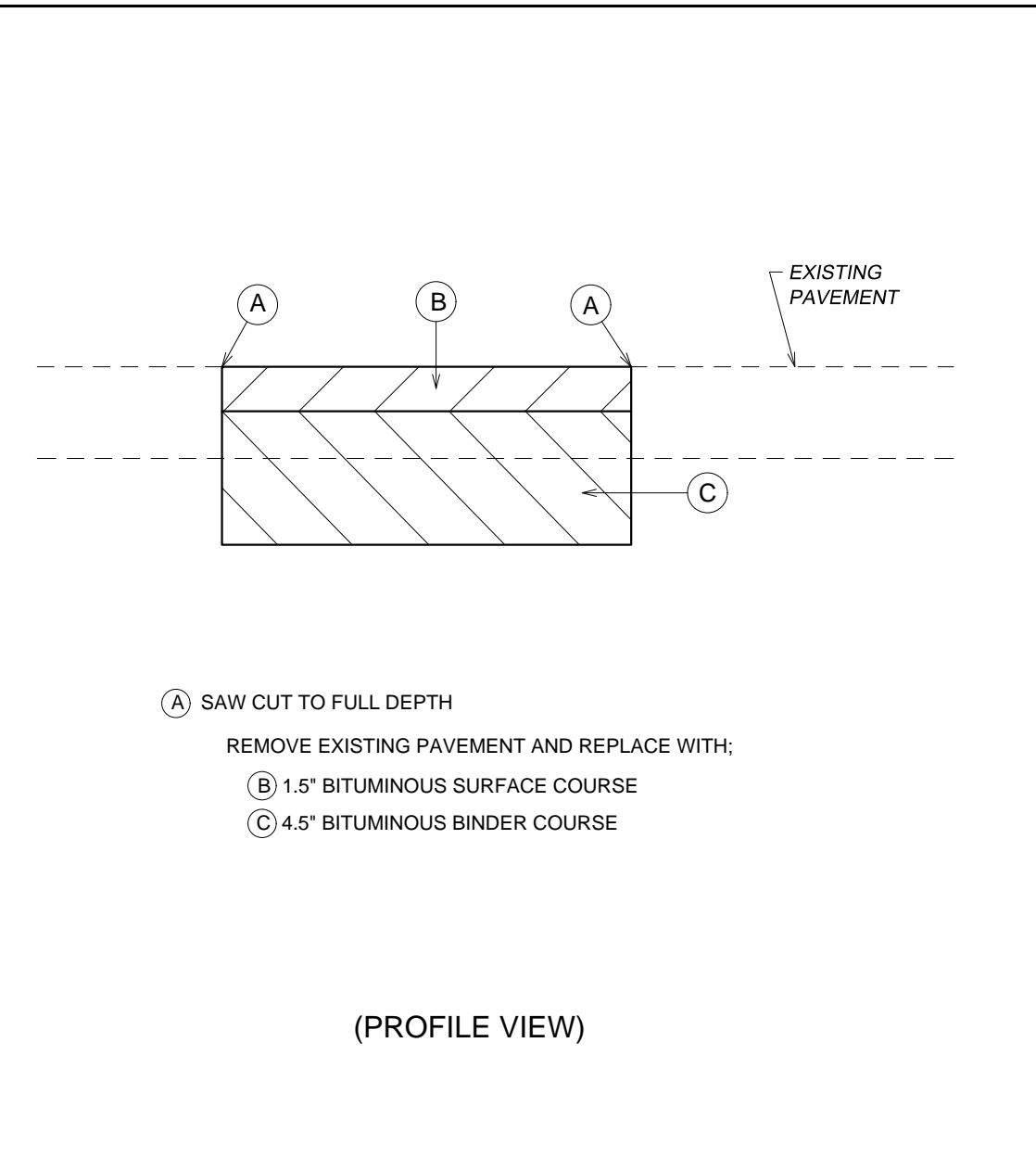
V3 Companies
7325 James Avenue
Woodridge, IL 60517
630.724.9200 phone
630.724.9202 fax
www.v3co.com

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DRAWN — LEH	REVISED —
CHECKED — DLM	REVISED —
DATE — 6/29/22	REVISED —

JACKSON POND EXPANSION PROJECT
CONSTRUCTION DETAILS

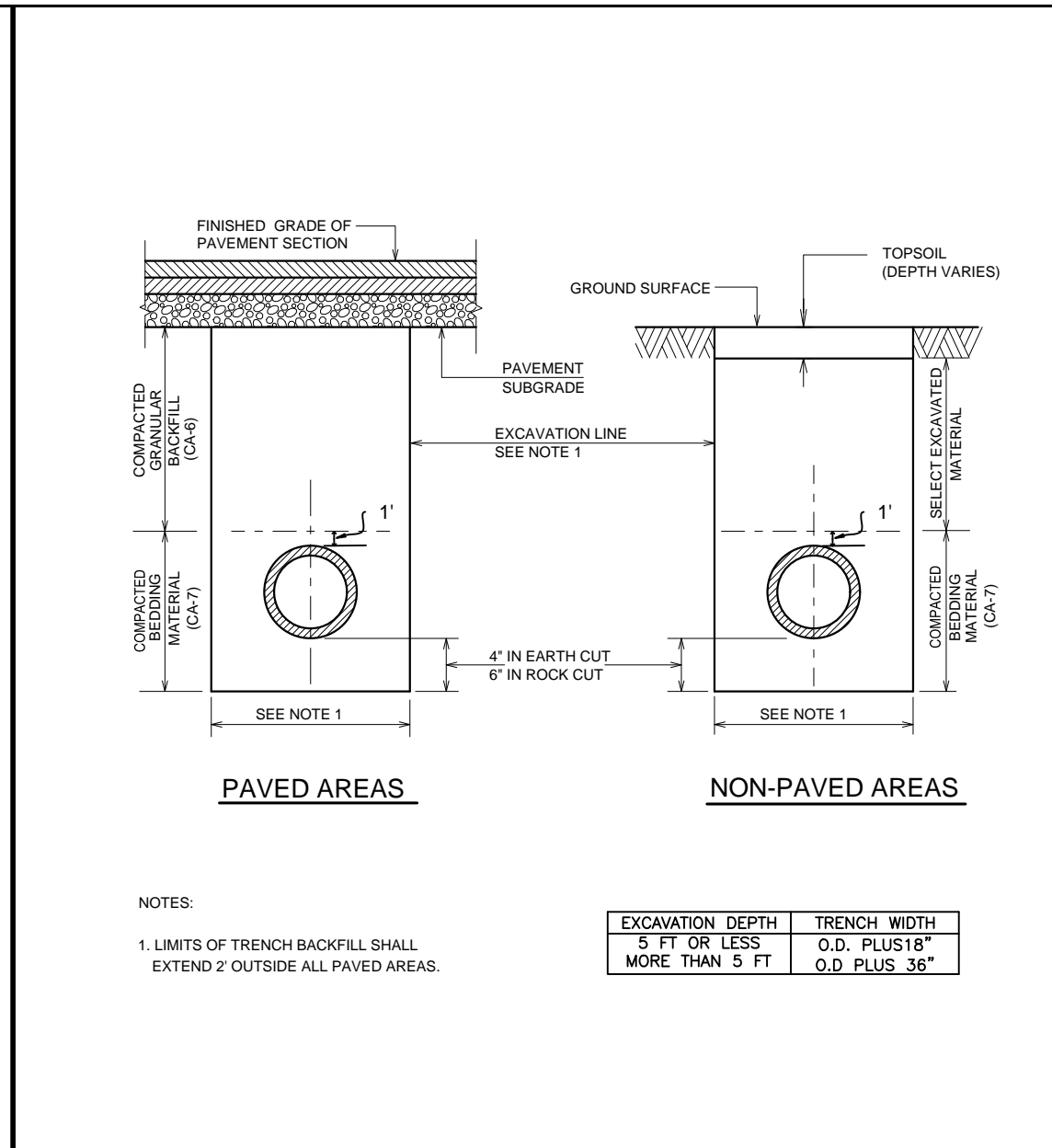
SCALE: _____ NTS	SHEET 1 OF 5 SHEETS	STA. _____ TO STA. _____
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO. 20
CONTRACT NO. _____			ILLINOIS FED. AID PROJECT	



- (A) SAW CUT TO FULL DEPTH
REMOVE EXISTING PAVEMENT AND REPLACE WITH:
- (B) 1.5" BITUMINOUS SURFACE COURSE
- (C) 4.5" BITUMINOUS BINDER COURSE

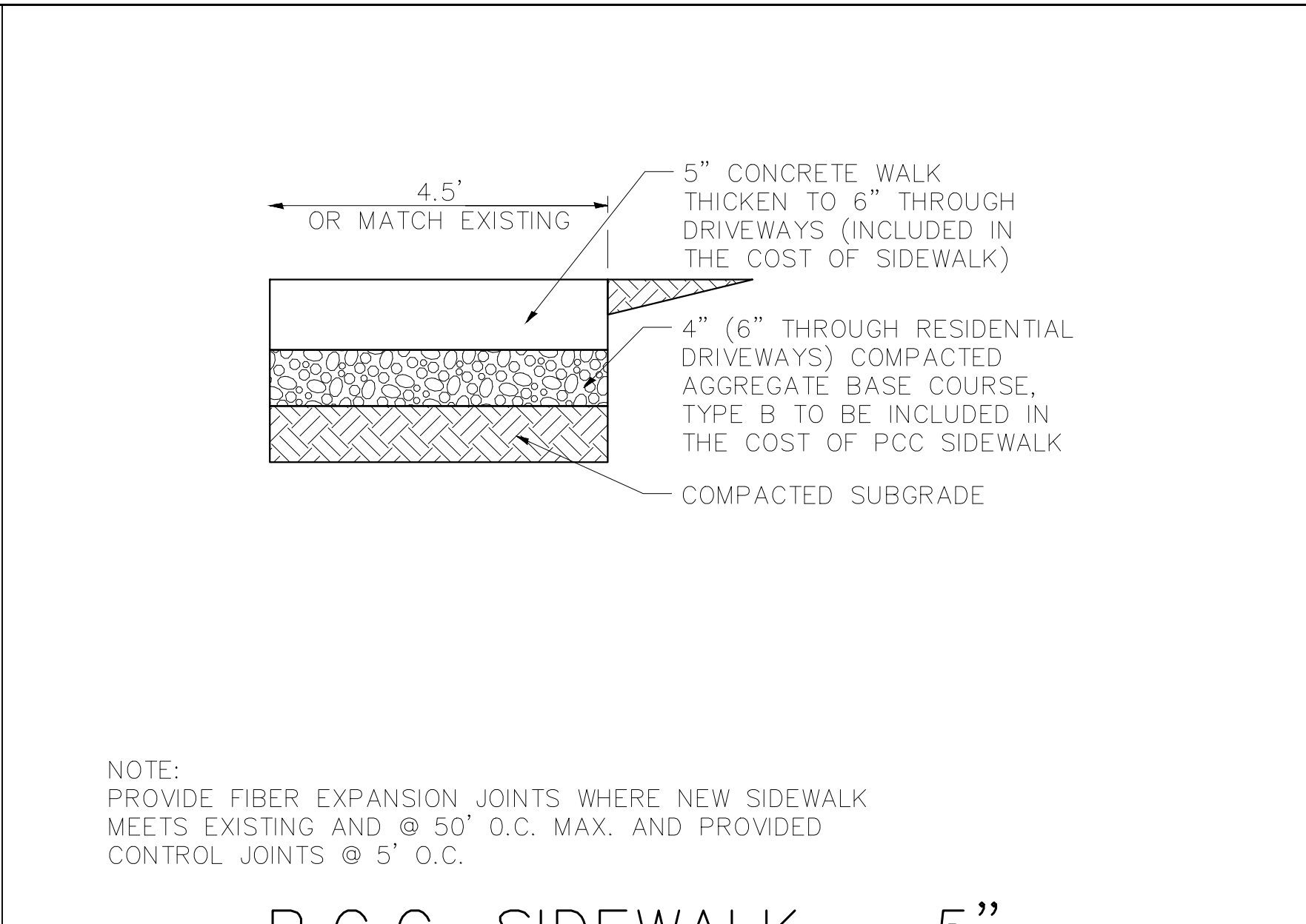
FULL DEPTH PATCH



NOTES:
1. LIMITS OF TRENCH BACKFILL SHALL EXTEND 2' OUTSIDE ALL PAVED AREAS.

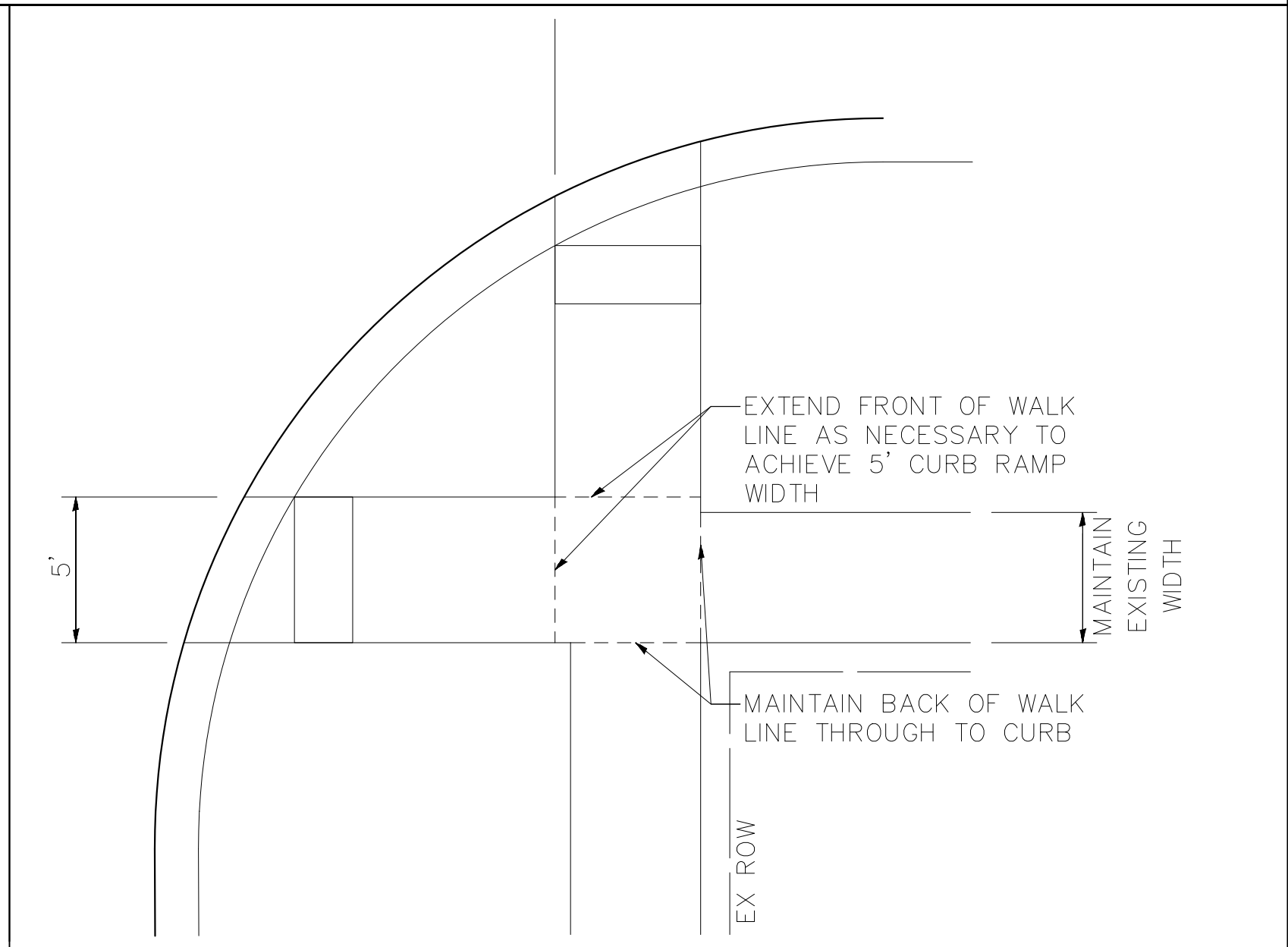
EXCAVATION DEPTH	TRENCH WIDTH
5' FT OR LESS	O.D. PLUS 18"
MORE THAN 5' FT	O.D. PLUS 36"

TRENCH BACKFILL SECTIONS FOR STORM SEWER

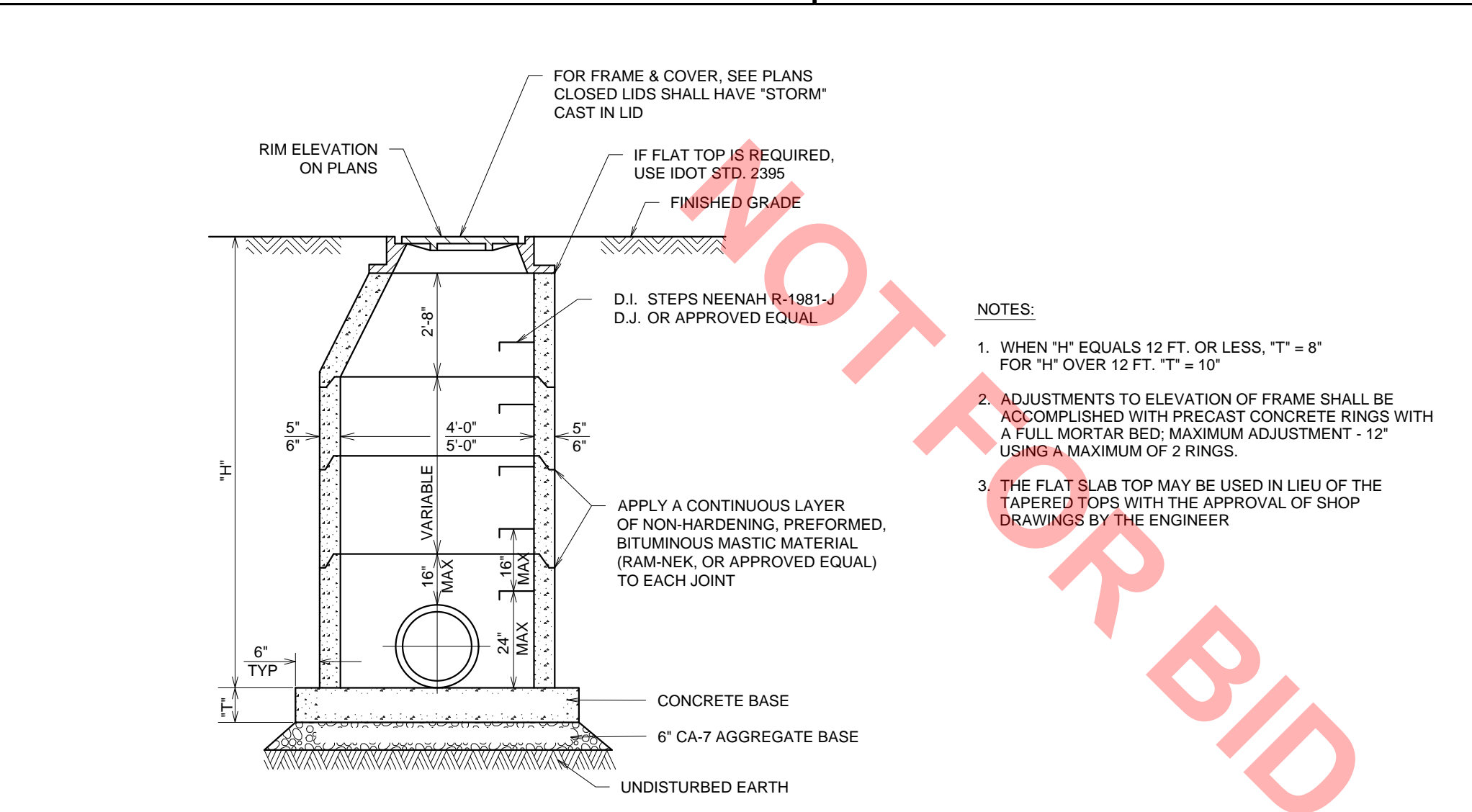


NOTE:
PROVIDE FIBER EXPANSION JOINTS WHERE NEW SIDEWALK MEETS EXISTING AND @ 50' O.C. MAX. AND PROVIDED CONTROL JOINTS @ 5' O.C.

P.C.C. SIDEWALK - 5"

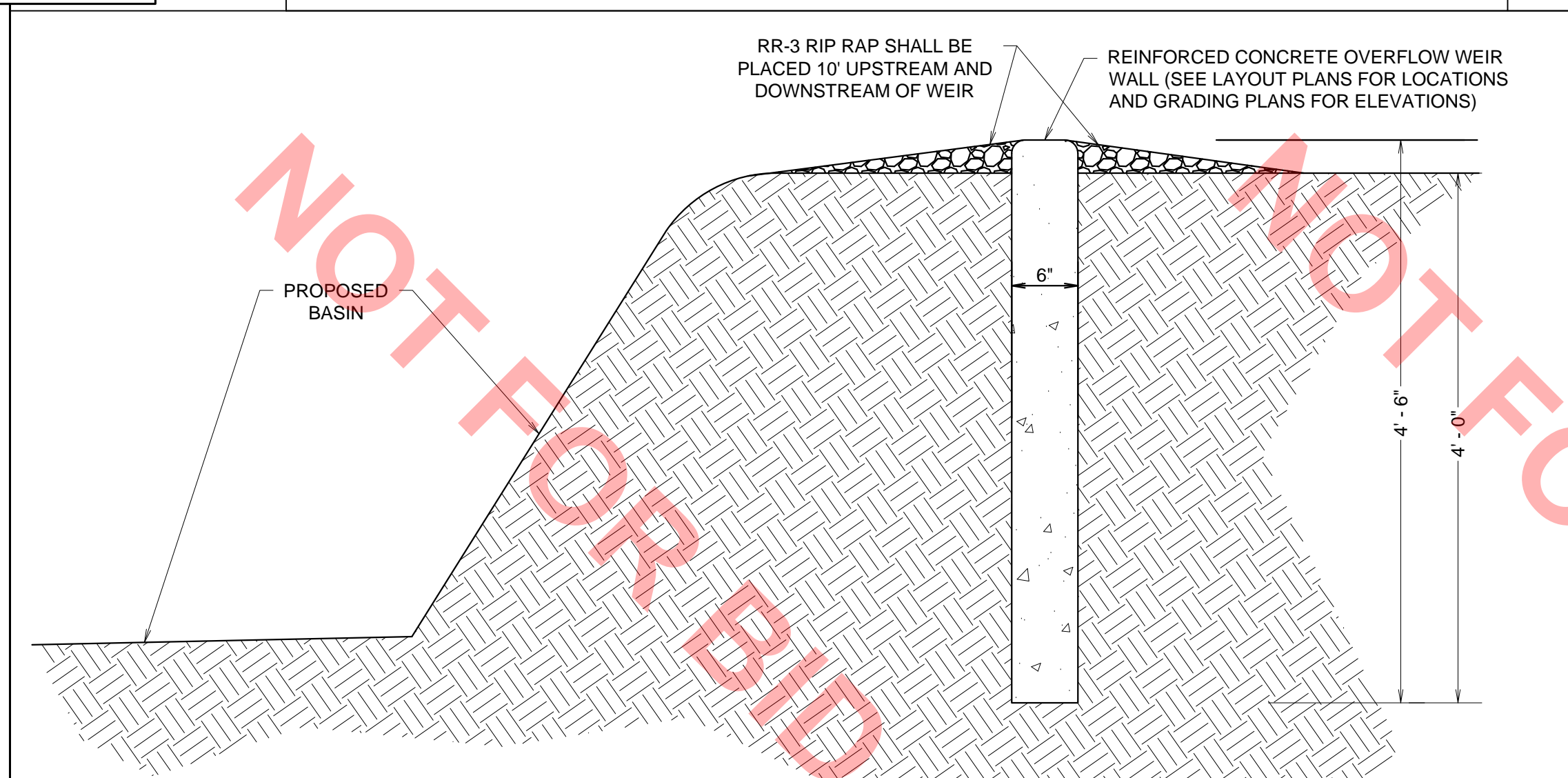


SIDEWALK DETAIL

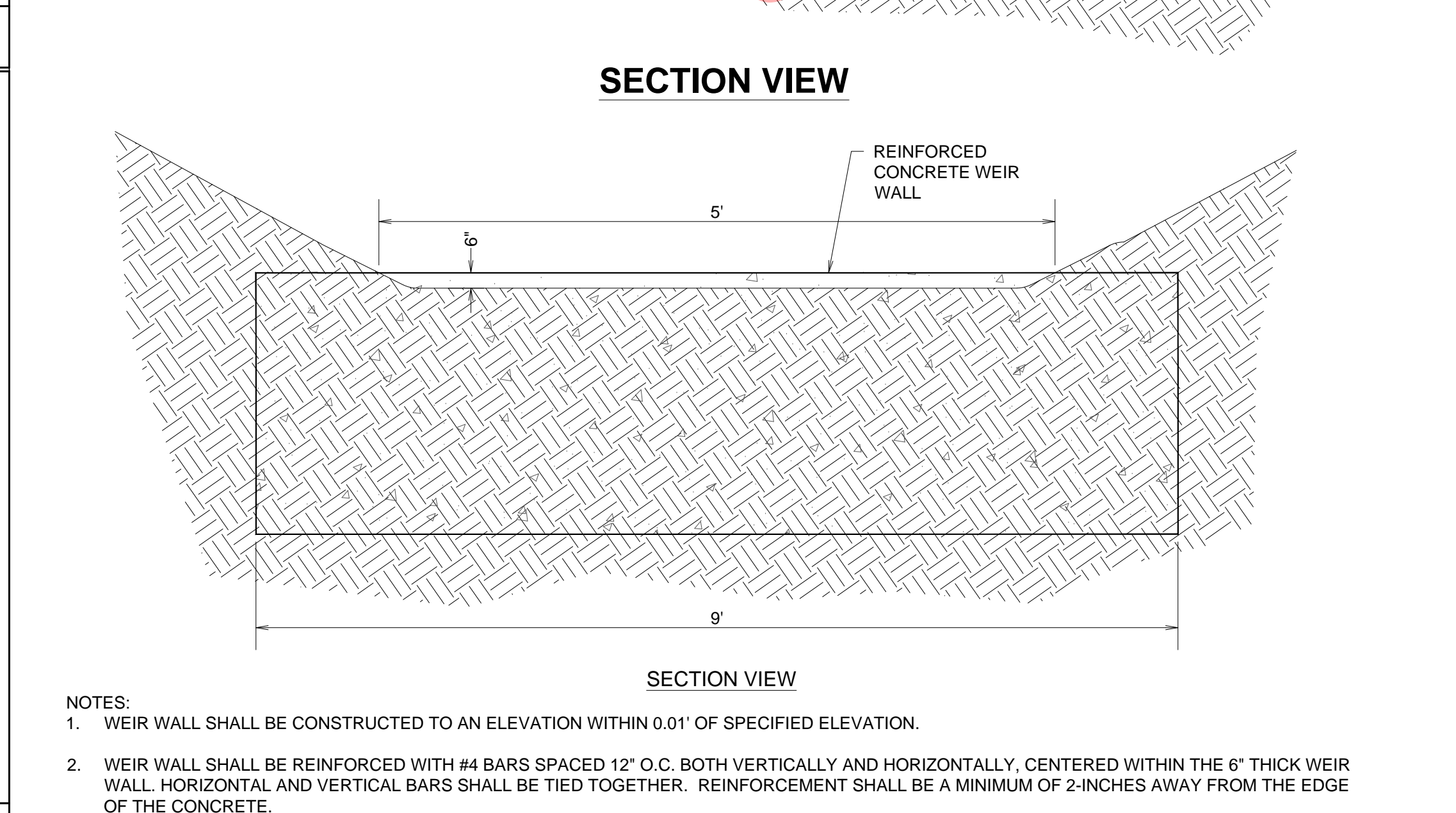


- NOTES:
- WHEN "H" EQUALS 12 FT. OR LESS, "T" = 8" FOR "H" OVER 12 FT. "T" = 10"
 - ADJUSTMENTS TO ELEVATION OF FRAME SHALL BE ACCOMPLISHED WITH PRECAST CONCRETE RINGS WITH A FULL MORTAR BED. MAXIMUM ADJUSTMENT - 12" USING A MAXIMUM OF 2 RINGS.
 - THE FLAT SLAB TOP MAY BE USED IN LIEU OF THE TAPERED TOPS WITH THE APPROVAL OF SHOP DRAWINGS BY THE ENGINEER

4' AND 5' DIA. STORM MANHOLE

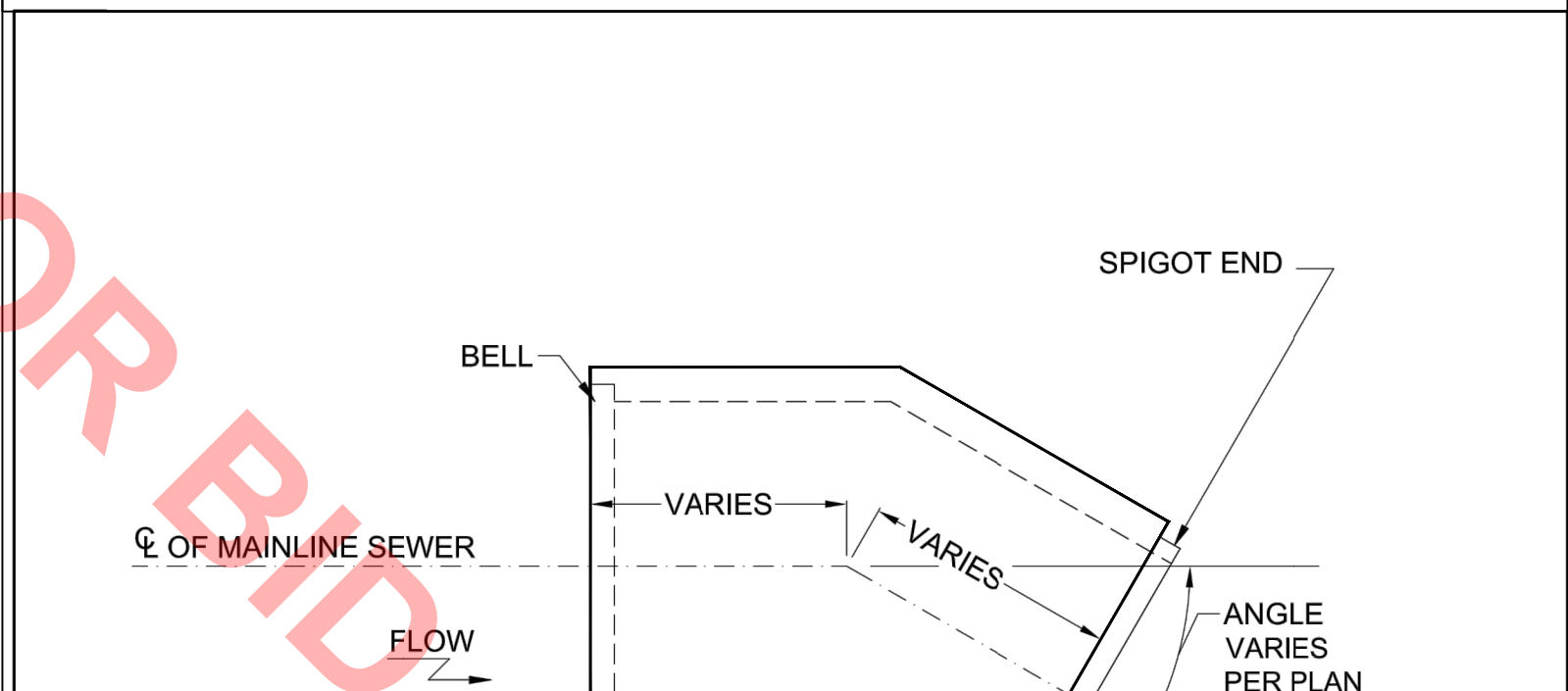


SECTION VIEW



SECTION VIEW

JMS BASIN WEIR WALL



PLAN VIEW

- NOTES
- REINFORCED CONCRETE CIRCULAR PIPE TO BE MANUFACTURED IN ACCORDANCE WITH ASTM C-507 OF CLASS SHOWN IN PLANS.

REINFORCED CONCRETE CIRCULAR PIPE BENDS		DRN BY: PB	DATE: 02/20/17	DWG NO.	REV
CONCRETE SPECIALTIES		CHKD BY:	DATE:	SCALE: NTS	SHEET OF
780 S. MATERIAL ROAD ROME OVILLE, IL. 60446 PH: (815) 834-0320 FAX: (815) 838-9275					

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7325 James Avenue
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630.724.9200 phone
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CHECKED	— DLM	REVISED	—
DATE	— 6/29/22	REVISED	—

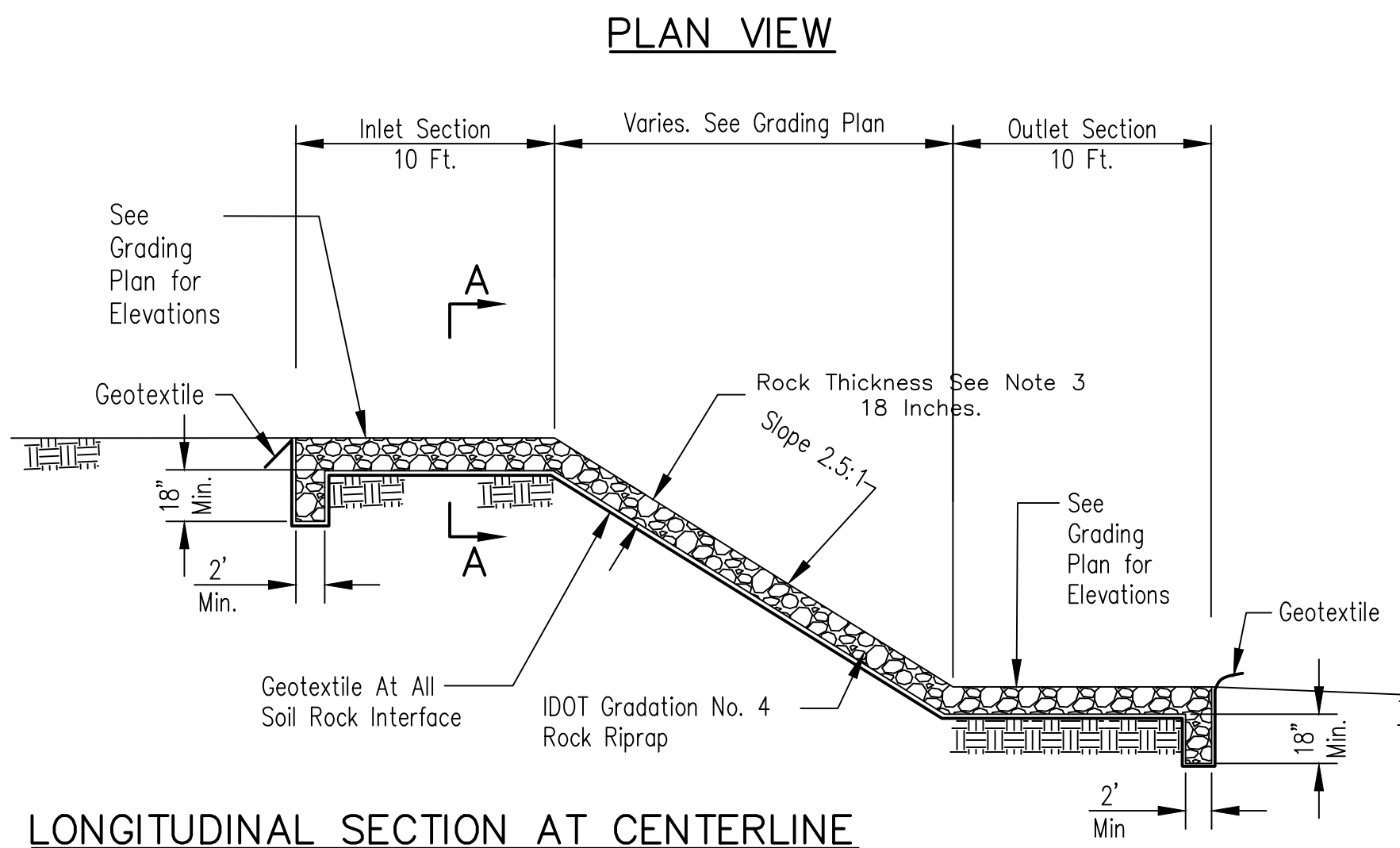
JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

CONSTRUCTION DETAILS

SCALE: _____ NTS _____ SHEET 2 OF 5 SHEETS STA. _____ TO STA. _____

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



- CONSTRUCTION NOTES:**
- This standard drawing does not apply to rock outlets with two feet or less of overfall.
 - Rock size shall be IDOT Quality Designation A Gradation No. 4.
 - Minimum rock depth is 1.5 times the D_{50} riprap size or 18 inches which ever is greater.
 - Geotextile (non-woven, needle punched) Minimum criteria:
 Grab tensile strength (lb) ASTM D 4632 _____ 202
 Elongation at failure (%) ASTM D 4632 _____ \geq 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
 - 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.
 - The rock shall be compacted with the placement equipment to increase in-place density. The complete job shall be present a workmanlike finish.

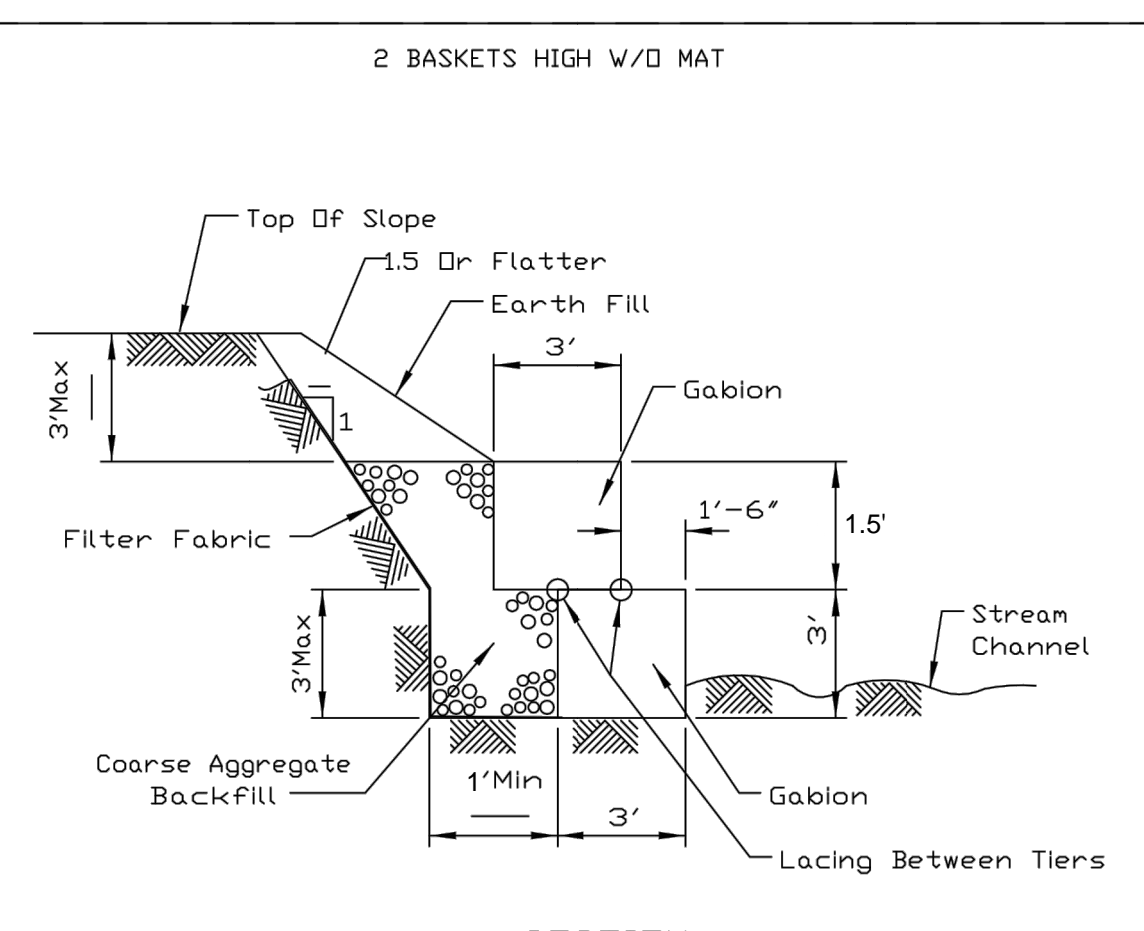
Designed _____ Date _____
 Drawn M. GUINONES 6/7/14
 Checked _____
 Approved _____

ROCK CHUTE

NRCS
 Natural Resource Conservation Service
 United States Department of Agriculture



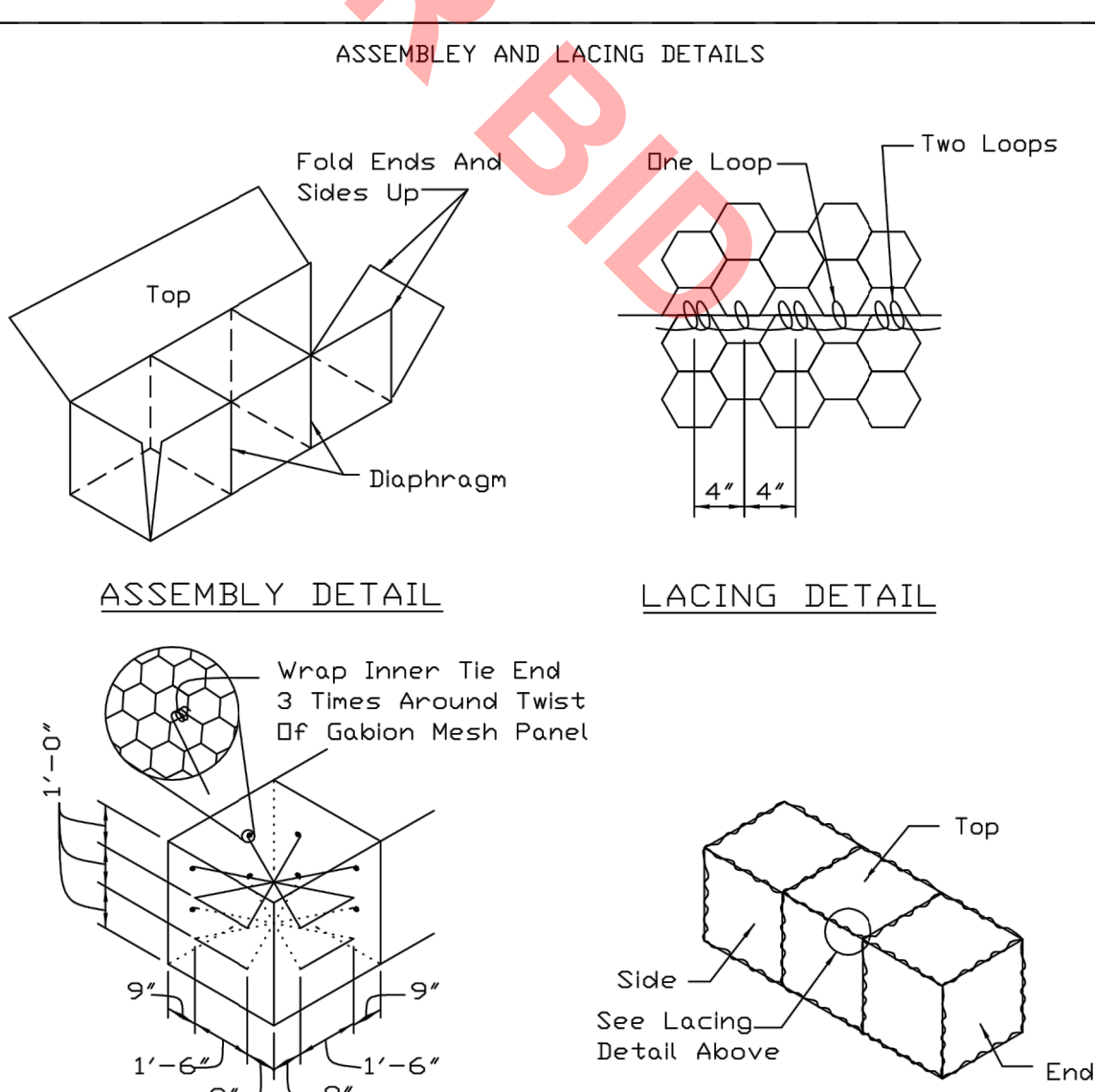
STRUCTURAL STREAMBANK STABILIZATION - GABIONS



NOTE:
 BURY BOTTOM SECTION OF GABION WALL A MINIMUM OF 15-INCHES BELOW CHANNEL ELEVATION.

- NOTES:**
- The filter fabric shall meet the requirements in material specification 592 GEOTEXTILE Table 1 or 2, Class I, II or III.
 - The coarse aggregate backfill shall meet the IDOT requirement for the following gradations CA-1, CA-3 or RR-1.
 - The Gabions shall be installed according to construction specification 64 WIRE MESH GABIONS
 - Baskets which are stacked in tiers shall have vertical seams staggered for each row and tier.
 - The coarse aggregate backfill shall be placed level with the top of the lower basket before the upper basket is installed.

STRUCTURAL STREAMBANK STABILIZATION - GABIONS



- NOTES:**
- The ends of a lacing wire will be secured by looping it thru the mesh and twisting. Proceed to lace with alternate two loops and one loop at approximately 4 inch intervals.
 - Other lacing methods may be used if recommended by the manufacturer and approved by the engineer/inspector.
 - The 'X' shaped inner tie may be twisted at the 'X' to tighten, if placed too loosely.

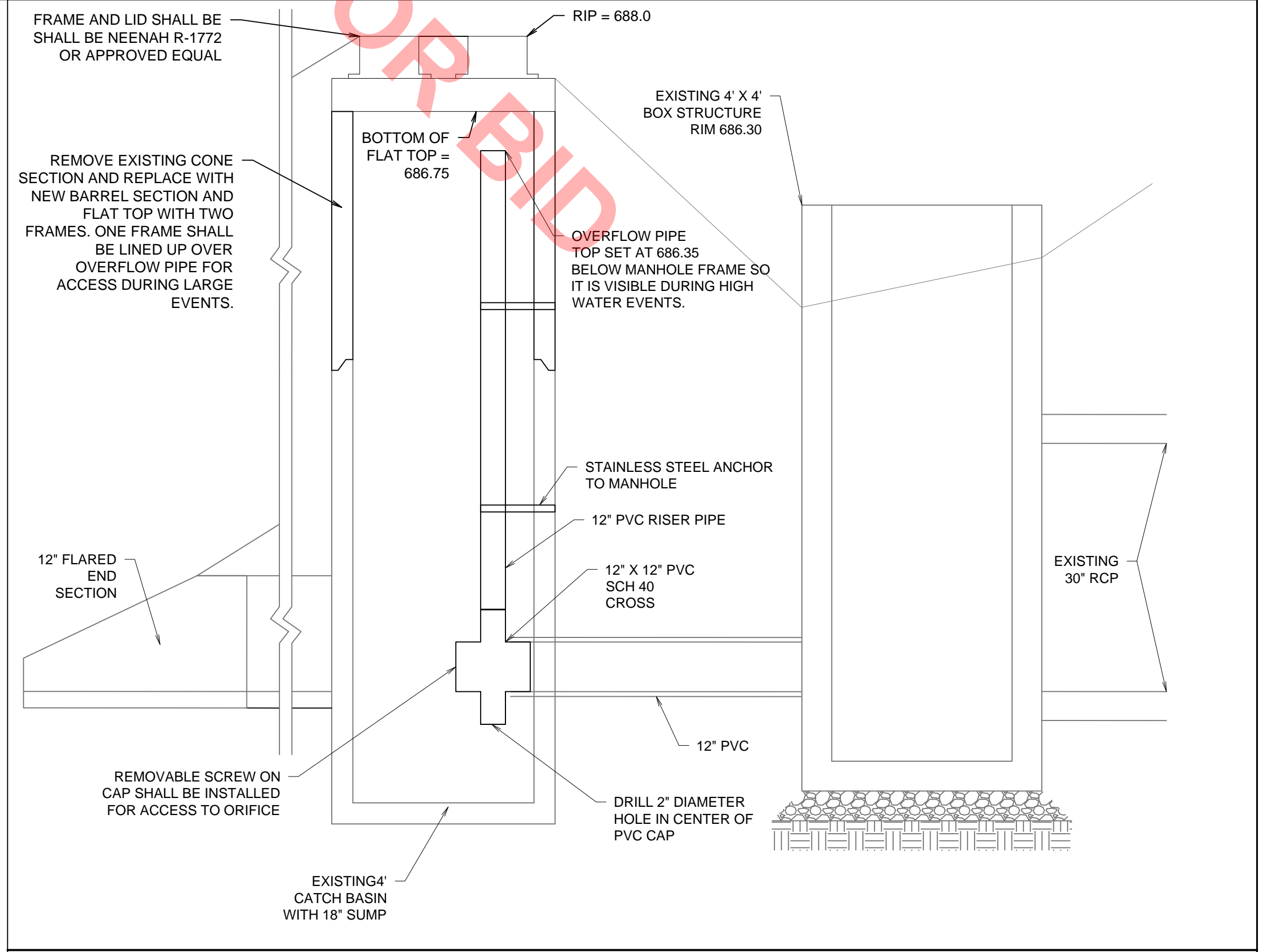
REFERENCE Project _____ Date _____ Designed _____ Date _____ Checked _____ Date _____ Approved _____ Date _____	NRCS Natural Resource Conservation Service	STANDARD DVG. NO. IL-641 SHEET 1 OF 1 DATE 5-16-94	REFERENCE Project _____ Date _____ Designed _____ Date _____ Checked _____ Date _____ Approved _____ Date _____	NRCS Natural Resource Conservation Service	STANDARD DVG. NO. IL-645 SHEET 1 OF 1 DATE 5-16-94
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CHECKED — DLM	REVISED —
DATE — 6/29/22	REVISED —

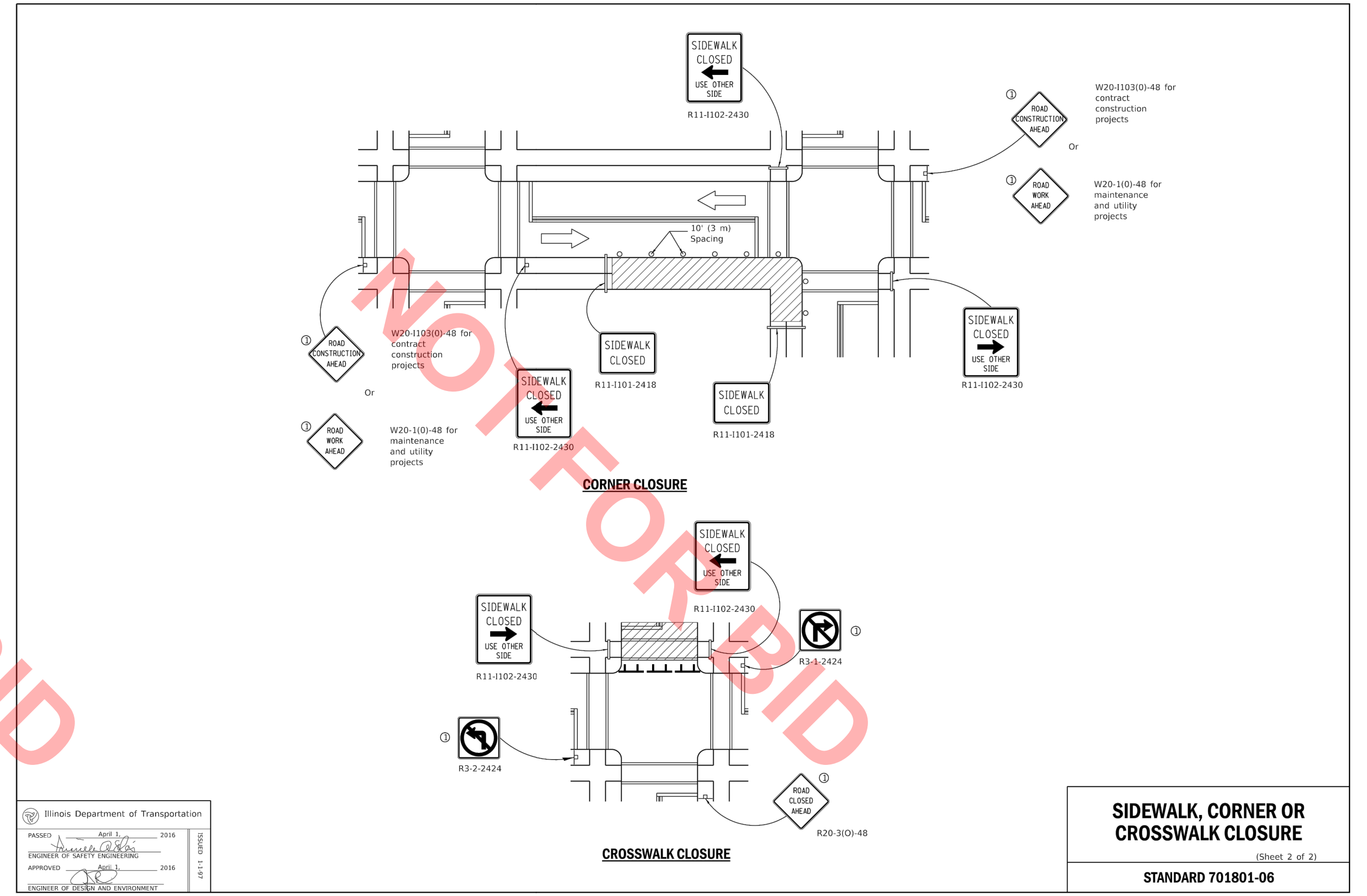
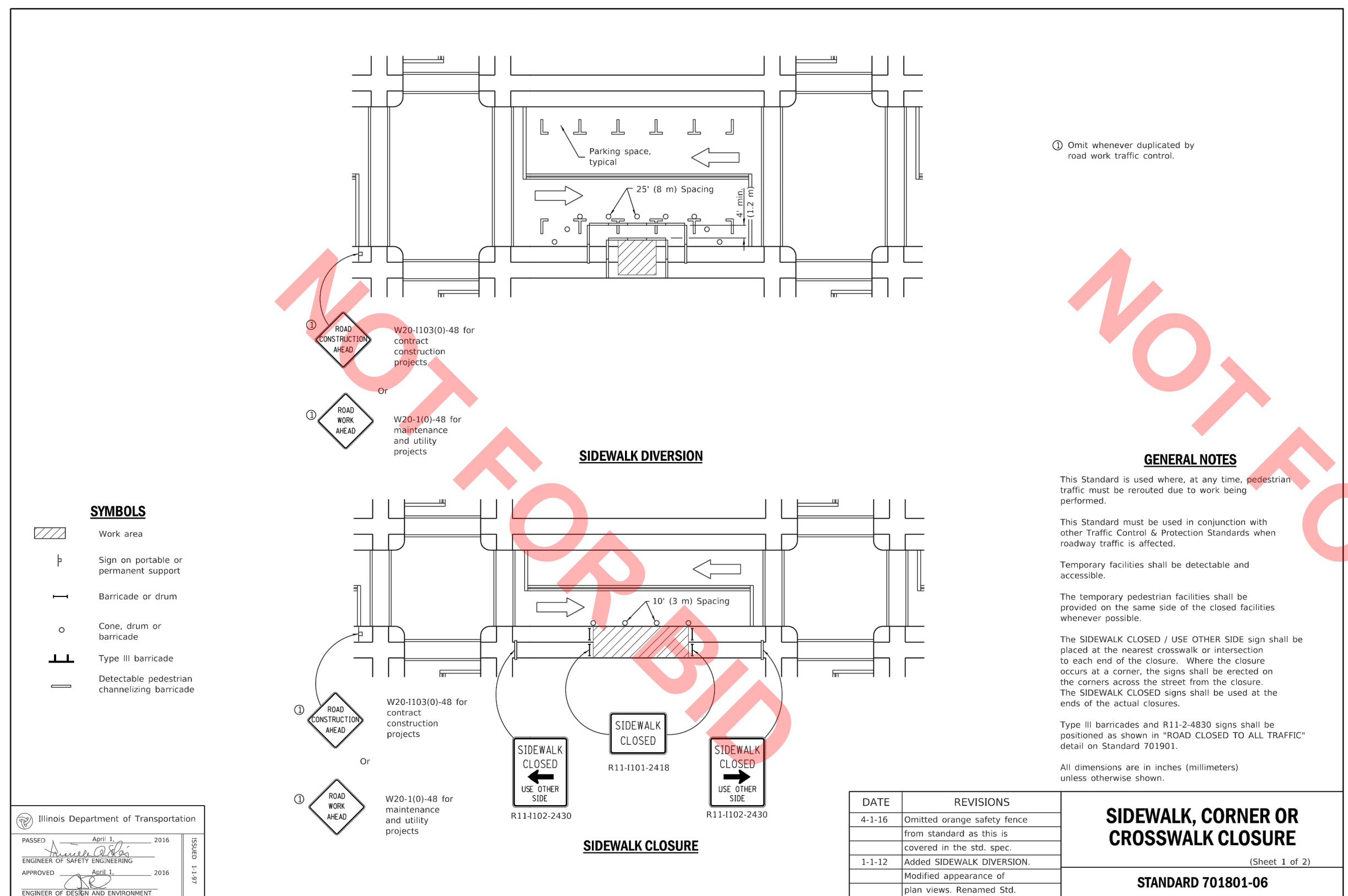
JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT



ORIFICE MODIFICATION DETAIL

SCALE: _____ NTS _____	SHEET 3 OF 5 SHEETS	STA. _____ TO STA. _____	F.A. RTE. _____	SECTION _____	COUNTY _____	TOTAL SHEETS _____	SHEET NO. 20
CONTRACT NO. _____						ILLINOIS FED. AID PROJECT	



NOT FOR BID



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DATE — 6/29/22	REVISED —

JACKSON POND EXPANSION PROJECT

JACKSON POND EXPANSION PROJECT

SCALE: _____ NTS. _____	SHEET <u>3</u> OF <u>5</u> SHEETS	STA. _____ TO STA. _____
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				<u>21</u>
DUPAGE			CONTRACT NO. _____	
ILLINOIS FED. AID PROJECT				