ROCK RIVER WATER RECLAMATION DISTRICT FULLER CREEK PHASE F, SOPER ST. FORCEMAIN, C.P. #1153

I.E.P.A. PROJECT L17-5306

VILLAGE OF WINNEBAGO WATER MAIN IMPROVEMENTS WESTFIELD CULVERT REPLACEMENT MARCH 6, 2018

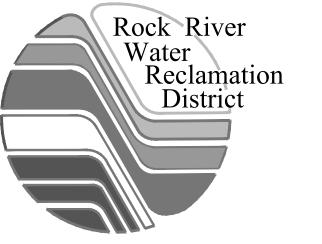
BOARD OF TRUSTEES

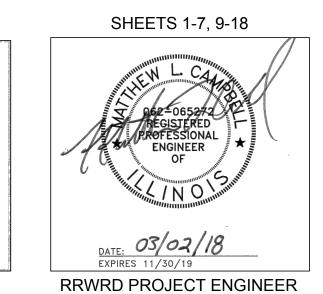
DONALD MASSIER PRESIDENT
ELMER JONES VICE-PRESIDENT
RICHARD POLLACK CLERK/TREASURER
JOHN SWEENEY TRUSTEE
BEN BERNSTEN TRUSTEE

OFFICIALS

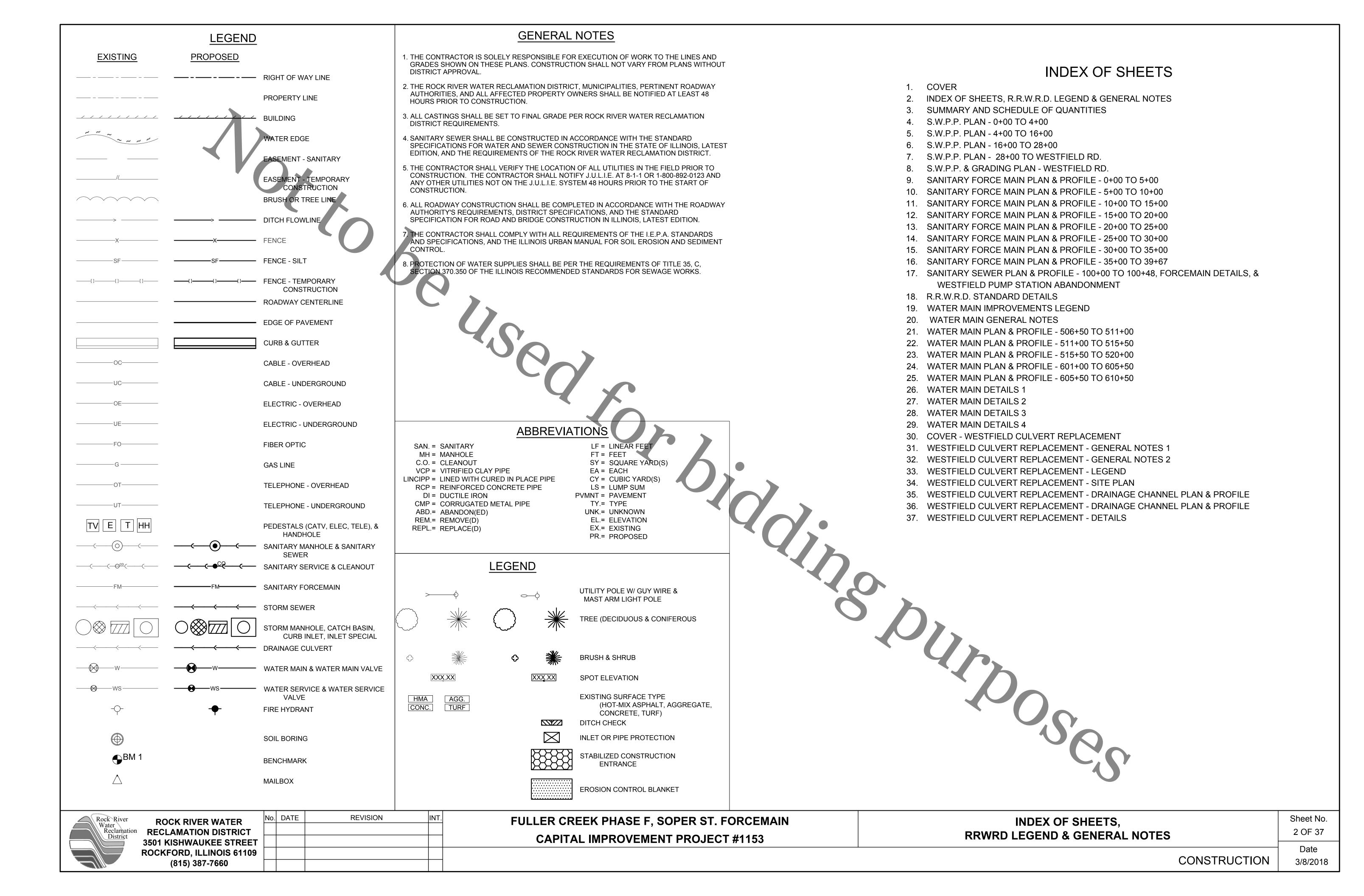
TIMOTHY S. HANSON DISTRICT DIRECTOR CHRISTOPHER T. BAER, PE ENGINEERING MANAGER







VILLAGE ENGINEER



SCHEDULE OF QUANTITIES - DRIVEWAYS

LO	CATION	NOTE	PAVEMENT REMOVAL	HMA SURFACE COURSE, IL-9.5, MIX "C", N50	PCC DRIVEWAY PAVEMENT, 6"	AGG. DRIVEWAY	AGG. BASE COURSE
STATION	ADDRESS		AREA (SY)	TONS	AREA (SY)	AREA (SY)	TONS
3+05 RT	308 E. SOPER	RRWRD	9.0	1.0			4.5
3+15 RT	308 E. SOPER	RRWRD	10.0		10.0		5.0
13+90 RT	202 ELIDA	RRWRD	11.0	1.2			5.5
19+05 RT	201 CHURCH	RRWRD	9.0		9.0		4.5
26+90 RT	403/405 SOPER	RRWRD	15.0	1.7			7.5
507+82 LT	402 E. SOPER	VOW	25.0	2.8			12.5
508+28 LT	404 E. SOPER	VOW	47.0	5.3			23.5
28+25 RT	407 E. SOPER	RRWRD	6.0	0.7			3.0
509+24 LT	406 E. SOPER	VOW	45.0	5.0			22.5
510+13 LT	408 E. SOPER	VOW	45.0		45.0		11.3
511+12 LT	502 E. SOPER	VOW	54.0	6.0			27.0
511+97 LT	504 E. SOPER	VOW	48.0	5.4			24.0
512+87 LT	506 E. SOPER	VOW	47.0	5.3			23.5
514+16 LT	508 E. SOPER	VOW	40.0	4.5			20.0
515+06 LT	602 E. SOPER	VOW	46.0	5.2			23.0
35+00 RT	605 E. SOPER	RRWRD	12.0	1.3			6.0
515+98 LT	604 E. SOPER	VOW	47.0	5.3			23.5
516+90 LT	606 E. SOPER	VOW	48.0	5.4			24.0
517+28 LT	702 E. SOPER	VOW	49.0	5.5			24.5
518+72 LT	704 E. SOPER	VOW	44.0	4.9			22.0
602+58 LT	209 WESTFIELD	VOW	28.0	3.1			14.0
603+16 LT	207 WESTFIELD	VOW	23.0	2.6			11.5
603+88 LT	205 WESTFIELD	VOW				36.0	
605+22 LT	203 WESTFIELD	VOW	32.0	3.6			16.0
605+43 LT	203 WESTFIELD	VOW				27.0	
605+97 LT	LIFT STATION	VOW	31.0	3.5			15.5
608+46 LT	103 WESTFIELD	VOW	38.0	4.3			19.0
609+81 LT	101 WESTFIELD	VOW			~	31.0	
		TOTALS:	809	83.6	64.0	94.0	393.3
				*ASSUMES 112 LB/SY/INCH			*ASSUMES 125 LB/SY/INCH

SCHEDULE OF QUANTITIES - ROADWAY ITEMS

STATION OF	RLOCATION	NOTE	PAVEMENT REMOVAL	AGGREGATE	BASE COURSE, 1	ГҮРЕ В	HMA BINDER COU	RSE, IL-19.0, M	X "C", N50	HMA SURF. RE	M., 2"	HMA SURFACE COUP	RSE, IL-9.5, MIX	X "C", N50
FROM	то		AREA (SY)	12" AREA (SY)	3" AREA (SY)	TONS	THICKNESS (INCH)	AREA (SY)	TONS	THICKNESS (INCH)	AREA (SY)	THICKNESS (INCH)	AREA (SY)	TONS
W. LIMITS	8+51	RRWRD	2138.0	864.0	1274.0	886.9	2.25	2138.0	269.4					
851+00	12+40	RRWRD	618.0	618.0		463.5	2.25	618.0	77.9	2.0	940.0	2.0	1558.0	174.5
12+40	13+41	RRWRD	114.0	114.0		85.5	6.25	114.0	39.9	2.0	610.0	2.0	610.0	68.3
13+41	39+37	RRWRD	2970.0	2970.0		2227.5	2.25	2970.0	374.2	2.0	3376.0	2.0	6328.0	708.7
S. SEW	ARD ST	RRWRD								2.0	59.0	2.0	59.0	6.6
S. CHUI	RCH ST	RRWRD								2.0	54.0	2.0	54.0	6.0
DAVI	D DR	RRWRD								2.0	150.0	2.0	150.0	16.8
CRAN	IE DR	RRWRD								2.0	170.0	2.0	170.0	19.0
TEA	L DR	RRWRD								2.0	107.0	2.0	107.0	12.0
MALLA	RD DR	VOW	62.0	62.0		47.0	2.25	62.0	7.8			2.0	62.0	6.9
WESTFI	ELD RD	VOW	206.0	206.0		155.0	2.25	206.0	26.0			2.0	206.0	23.1
		TOTAL=	6108		TOTAL =	3865.4		TOTAL=	795.2	TOTAL=	5466.0		TOTAL=	1041.9
				*ASSUM	ES 125 LB/SY/ING	CH	*ASSUMES	S 112 LB/SY/IN	CH		•	*ASSUMES 1	I12 LB/SY/INC	H

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE USE(S)	SURFACE COURSE	BINDER COURSE
PG:	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0 @ N50	4.0 @ N50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL 19.0
FRICTION AGGREGATE	MIX "C"	N/A
MIX UNIT WEIGHT	112 lbs/sy/in	112 lbs/sy/in
THESE MIXTURE REQUIREMEN	NTS ARE APPLICABLE	FOR THIS PROJECT

NOTE: ONLY RRWRD BASE BID WORK IS IEPA L17-5306 LOAN PARTICIPATING.

SUMMARY OF QUANTITIES

,		TOTAL	RRWRD	VOW BID	VOW BID	UNIT
ITEM	DESCRIPTION 12" DP 18 DVC EODCEMAIN DIDING (AVAVA C 000/ASTM D3130)	Qty.	BASE BID	ALT. #1	ALT. #2	
1	12" DR-18 PVC FORCEMAIN PIPING (AWWA C-900/ASTM D3139)	3,890	3,890			LF
2	12" DIA. 45 DEG BEND, CLASS 350 DUCTILE IRON (AWWA C-110)	8	8			EA
3	4' DIA. FORCEMAIN DISCHARGE MANHOLE	1	1			EA
4	8" SDR35 PVC SANITARY SEWER (ASTM D3034 ASTM D3212)	48	48			LF . –
5	18" PS46 PVC SANITARY SEWER (ASTM F679 ASTM D3212)	70	70			LF
6	5' DIA. AIR RELEASE VALVE & VAULT	1	1			EA
7	REMOVE 4' DIAMETER SANITARY MANHOLE	4	4			EA
8	4' DIA. SANITARY MANHOLE	2	2			EA
9	17" X 13" CMP ARCH CULVERT, REMOVE & REPLACE	14	14			LF
10	12" DIA. CMP CULVERT, REMOVE & REPLACE	24	24			LF
11	15" DIA. CMP CULVERT, REMOVE & REPLACE	8	8			LF
12	18" DIA. CMP CULVERT, REMOVE & REPLACE	8	8			LF
13	12" DIA. RCP STORM SEWER, REMOVE & REPLACE	16	16			LF
14	15" DIA. RCP STORM SEWER, REMOVE & REPLACE	11	11			LF
15	24" DIA. RCP STORM SEWER, REMOVE & REPLACE	8	8			LF
16	36" DIA. RCP STORM SEWER, REMOVE & REPLACE	14	14			LF
17	REMOVE & REPLACE CATCH BASIN	1	1			EA
18	6" DIA. WATER MAIN REPAIR	40	40			LF
19	8" DIA. WATER MAIN REPAIR	10	10			LF
20	ROCK EXCAVATION	391	366	25		CY
21	PAVEMENT REMOVAL	6,917	5,912	799	206	SY
22	HMA SURFACE REMOVAL, 2"	5,466	5,466			SY
23	AGGREGATE BASE COURSE, TYPE B	4,413	3,700	558	155	TON
24	HMA BINDER COURSE, N50, IL-19.0	796	762	8	26	TON
25	HMA SURFACE COURSE, MIX "C", N50, IL-9.5	1,126	1,018	85	23	TON
26	PCC DRIVEWAY PAVEMENT, 6"	64	19	45	-	SY
27	AGGREGATE SHOULDER	365	365	· •		SY
28	PCC SIDEWALK REMOVAL	251	251			SF
29	PCC SIDEWALK - 4"	255	255			SF
30	DETECTABLE WARNING	108	108			SF
31	REM. & REPL. PCC CURB & GUTTER	142	142			FT
32	EROSION & SEDIMENT CONTROL, SOPER ST	142	1			LS
33	EROSION & SEDIMENT CONTROL, WESTFIELD RD	1	'	1		LS
	EROSION & SEDIMENT CONTROL, WESTFIELD DRAINAGE	'		ı		+
34	·	4	4		1	LS
35	TRAFFIC CONTROL & PROTECTION, SOPER ST	1	1	_		LS
36	TRAFFIC CONTROL& PROTECTION, WESTFIELD RD	1		1		LS
37	TRAFFIC CONTROL& PROTECTION, WESTFIELD DRAINAGE				1	LS
38	SITE RESTORATION/SEEDING, SOPER ST	1	1			LS
39	SITE RESTORATION/SEEDING, WESTFIELD RD	1		1		LS
40	SITE RESTORATION/SEEDING, WESTFIELD DRAINAGE				1	LS
41	REMOVE FIRE HYDRANT, COMPLETE	6		6		EA
42	REMOVE VALVE & VALVE BOX, COMPLETE	7		7		EA
43	AGGREGATE DRIVEWAY 8", COMPLETE	95		95		SY
44	PVC WATER MAIN COMPLETE, 10"	2,177		2177		LF
45	WATER MAIN PROTECTION, 20"	25		25		LF
46	WATER SERVICE COMPLETE, 1" (SHORT)	20		20		EA
47	WATER SERVICE COMPLETE, 1" (LONG)	20		2		EA
	GATE VALVE & VALVE BOX COMPLETE, 10"	14		14		EA
48						+
49	FIRE HYDRANT WITH 6" VALVE & VALVE BOX, COMPLETE	5	<u> </u>	5		EA
50	CONNECT TO EXISTING WATER MAIN, COMPLETE 6"	4		4		EA
51	CONNECT TO EXISTING WATER MAIN, COMPLETE 8"	2		2		EA
52	CONNECT TO EXISTING WATER MAIN, COMPLETE 10"	1		1		EA
53	PIPE CULVERTS, CLASS D, TYPE 1, 12" (ELLIPTICAL)	250		250		LF
54	PIPE CULVERTS, CLASS D, TYPE 1, 15" (ELLIPTICAL)	29		29		LF
55	WATER MAIN LINE STOP, 6"	3		3		EA
56	EXISTING SANITARY MH ADJUSTMENT	1	1			EA
57	ABANDON EXISTING PUMP STATION	1	1			LS
58	PAVEMENT MARKING, ELIDA STREET	1	1			LS
59	GRADING AND SHAPING	4.5	<u> </u>		4.5	ACR
60	STONE RIPRAP, RR4	6			6	SY
	PIPE CULVERTS, CLASS D, TYPE 1, 57"X38" (ELLIPTICAL)	_	<u> </u>		_	+
61		60			60	LF
62	METAL END SECTION, 57" X 38" (ELLIPTICAL)	2			2	EA
63	HMA PATH, COMPLETE	62	<u> </u>		62	SY
64	6" PCC SIDEWALK, COMPLETE	414	i		414	SF

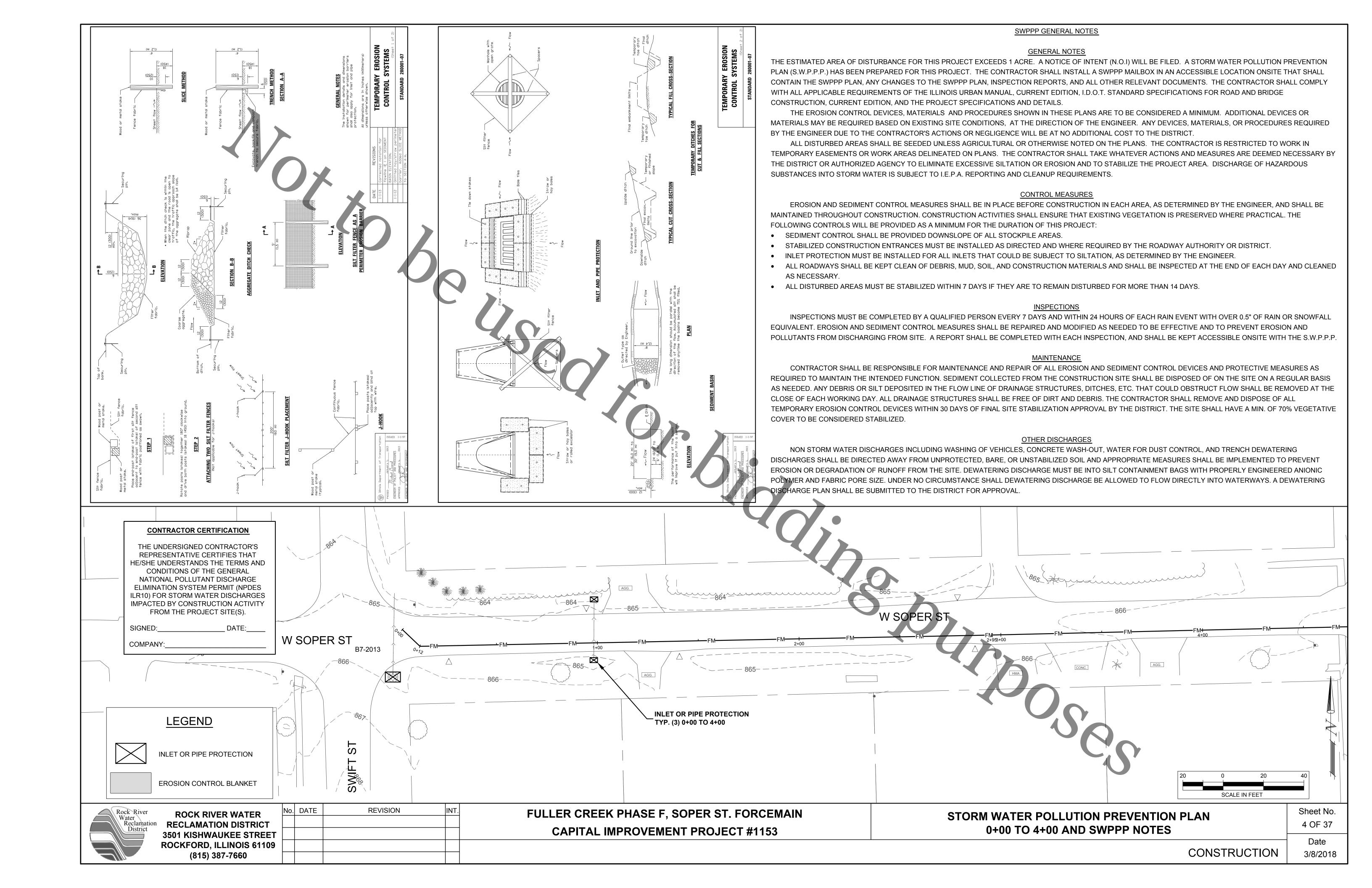
Rock River Water Reclamation District 3501 KISHWAUKEE STREET ROCKFORD, ILLINOIS 61109 (815) 387-7660

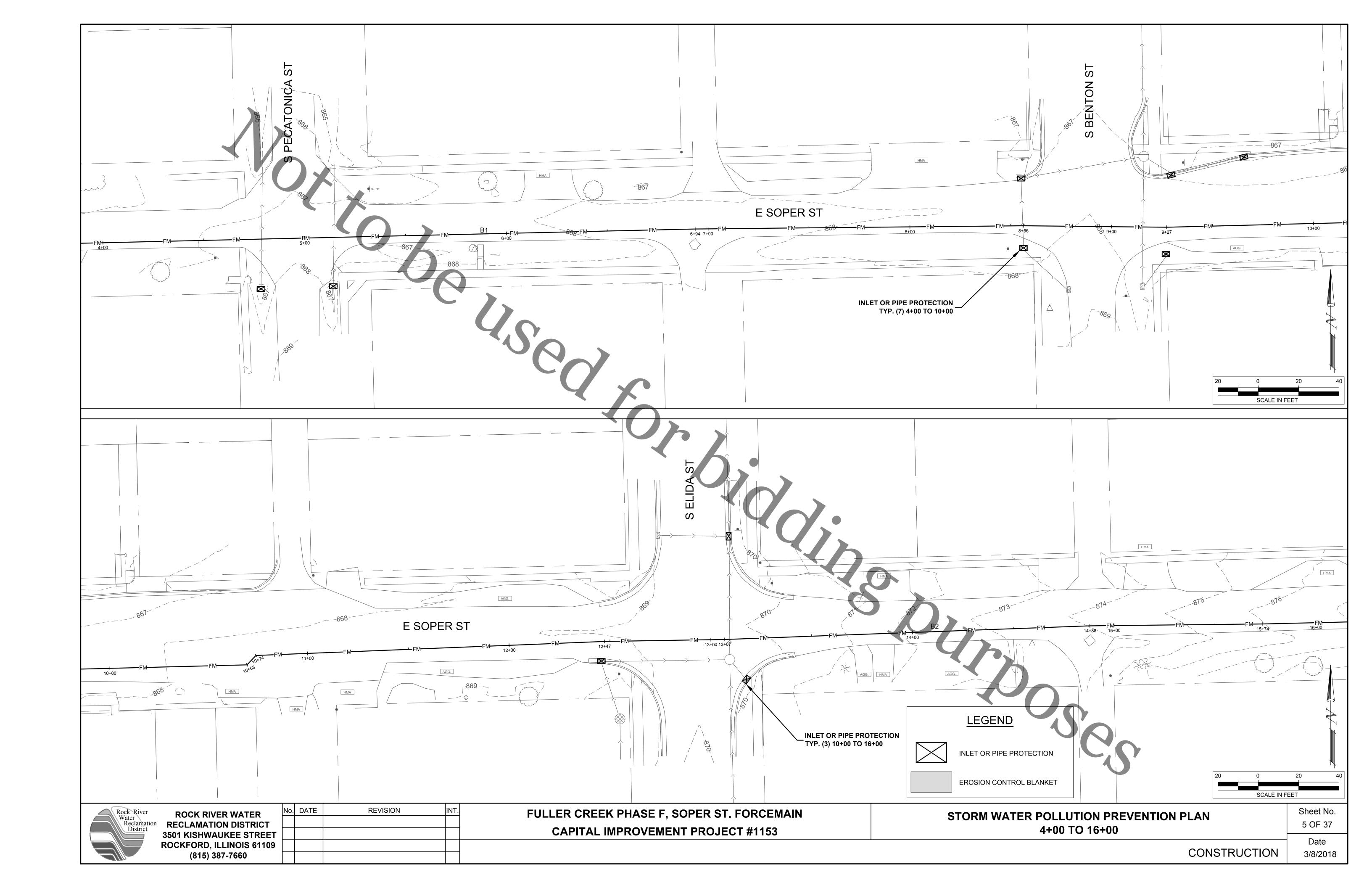
FULLER CREEK PHASE F, SOPER ST. FORCEMAIN
CAPITAL IMPROVEMENT PROJECT #1153

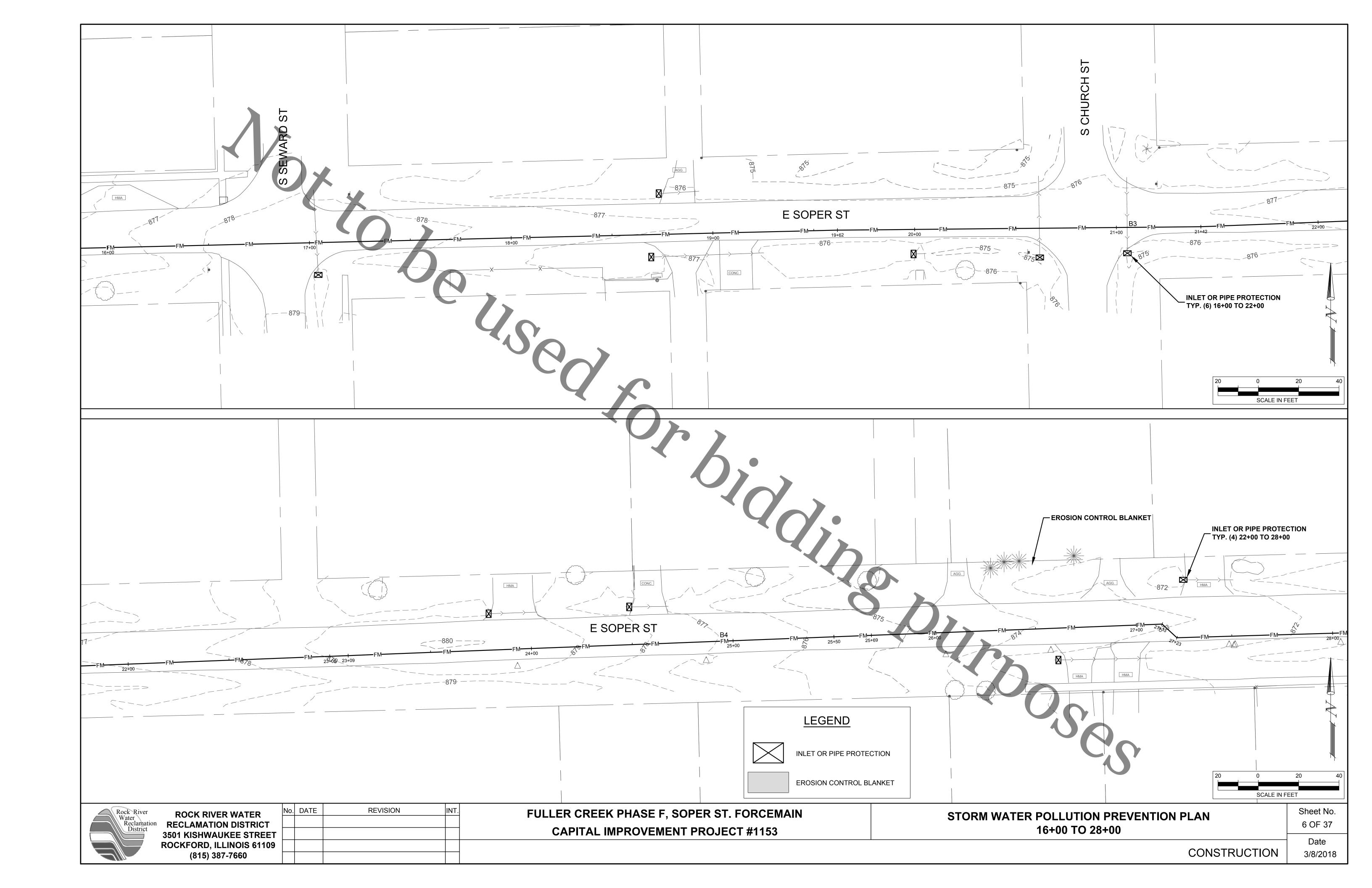
SUMMARY & SCHEDULE OF QUANTITIES

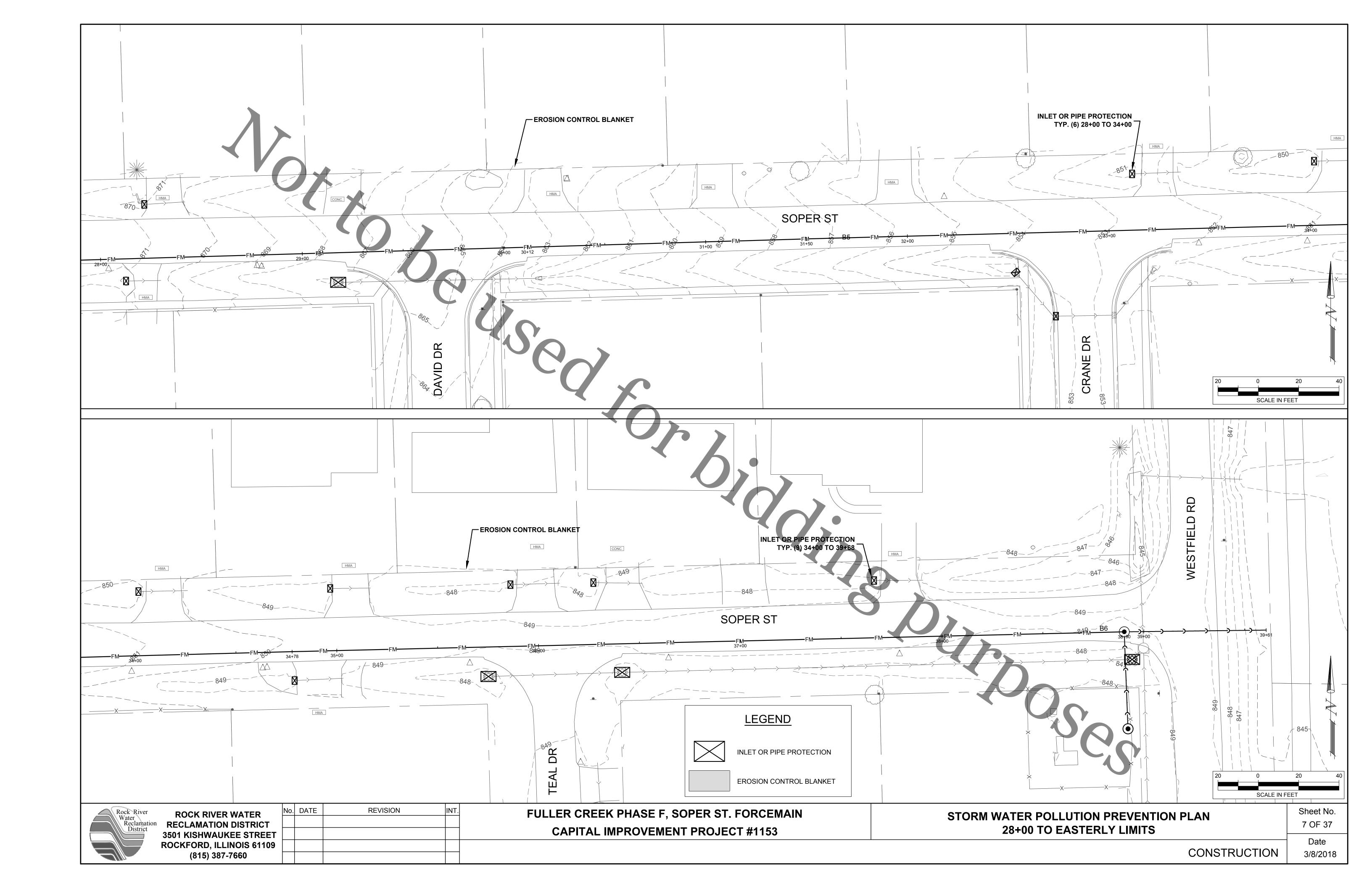
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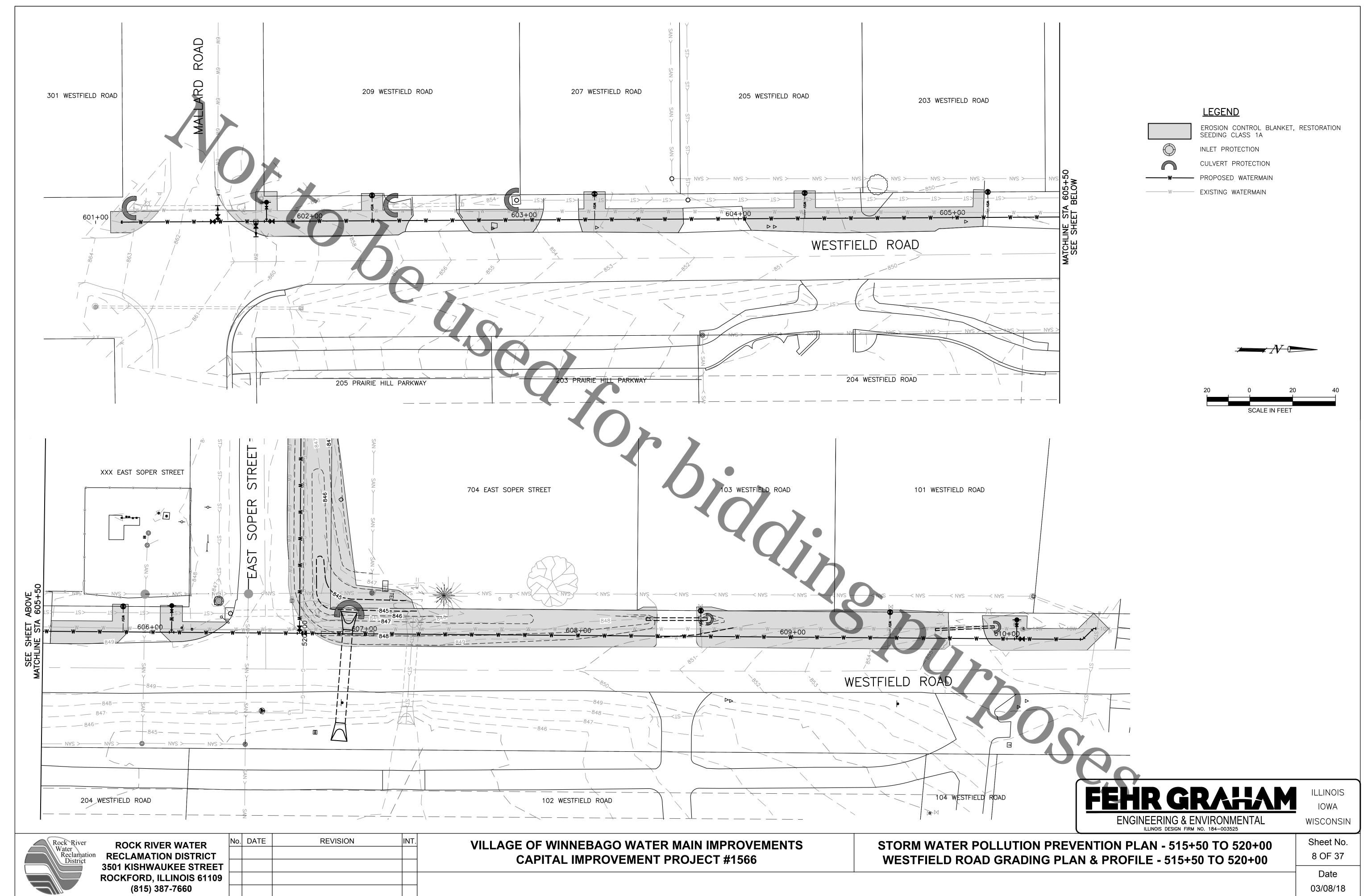
CONSTRUCTION 3/8/2018

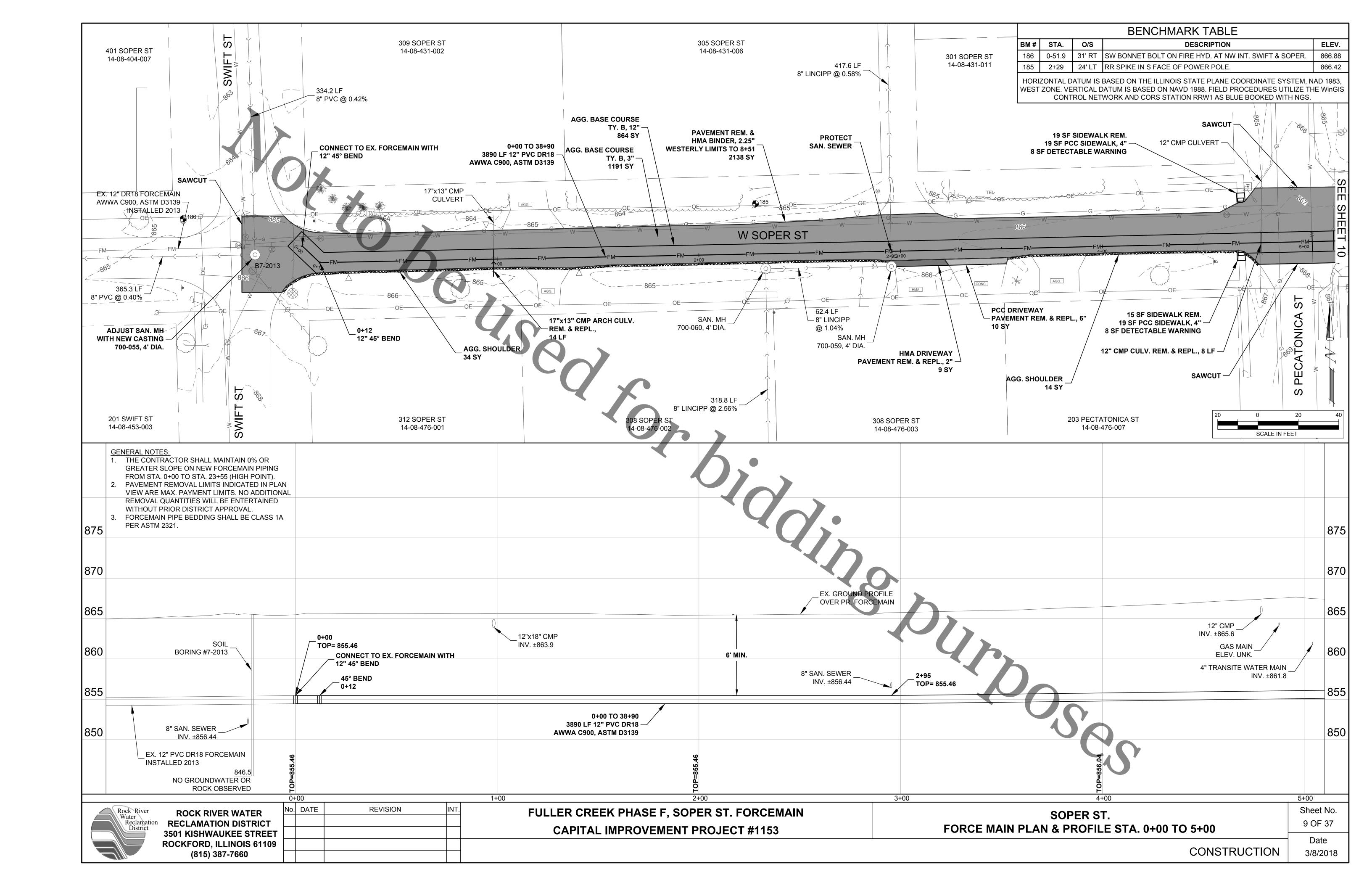


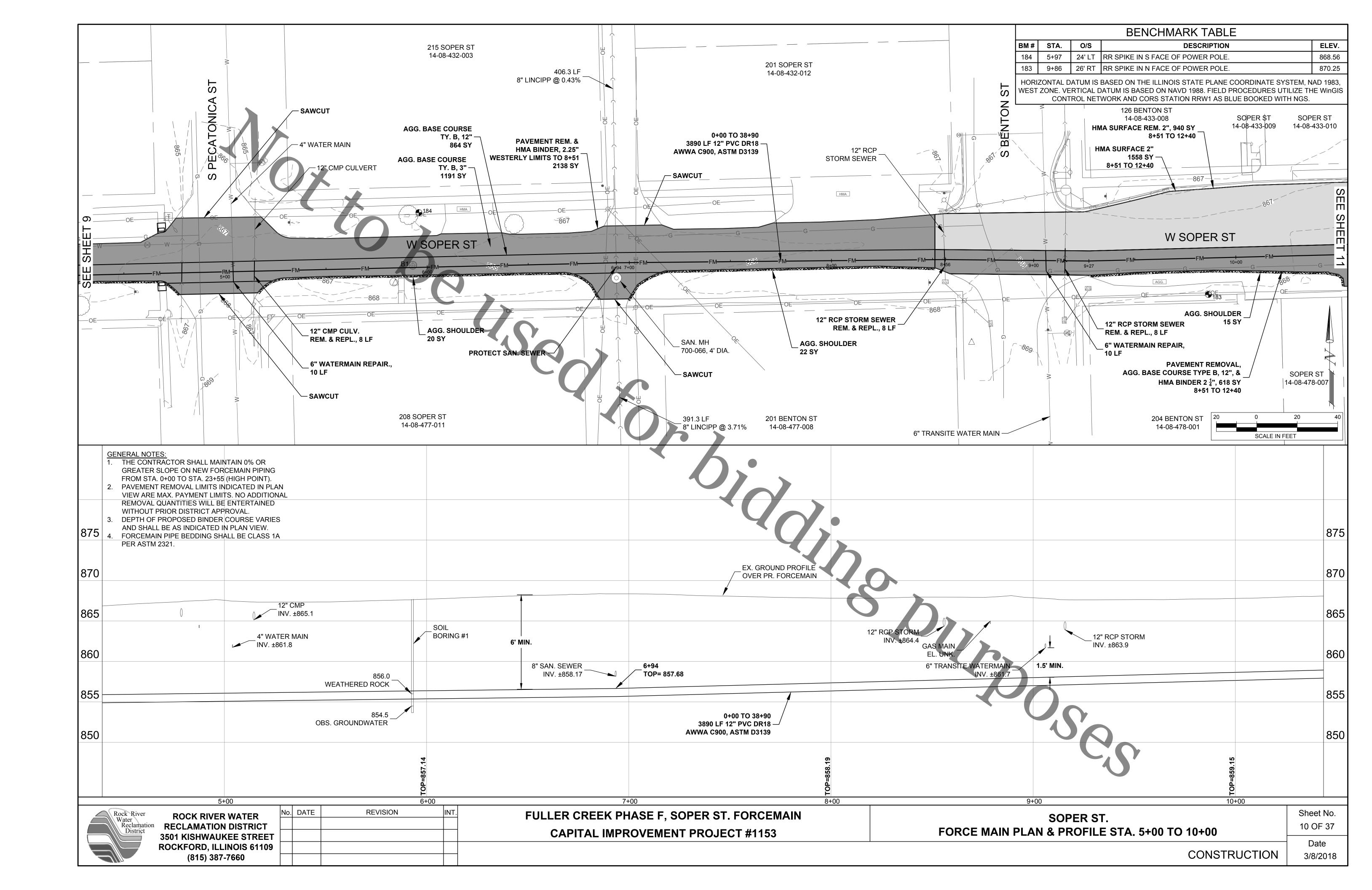


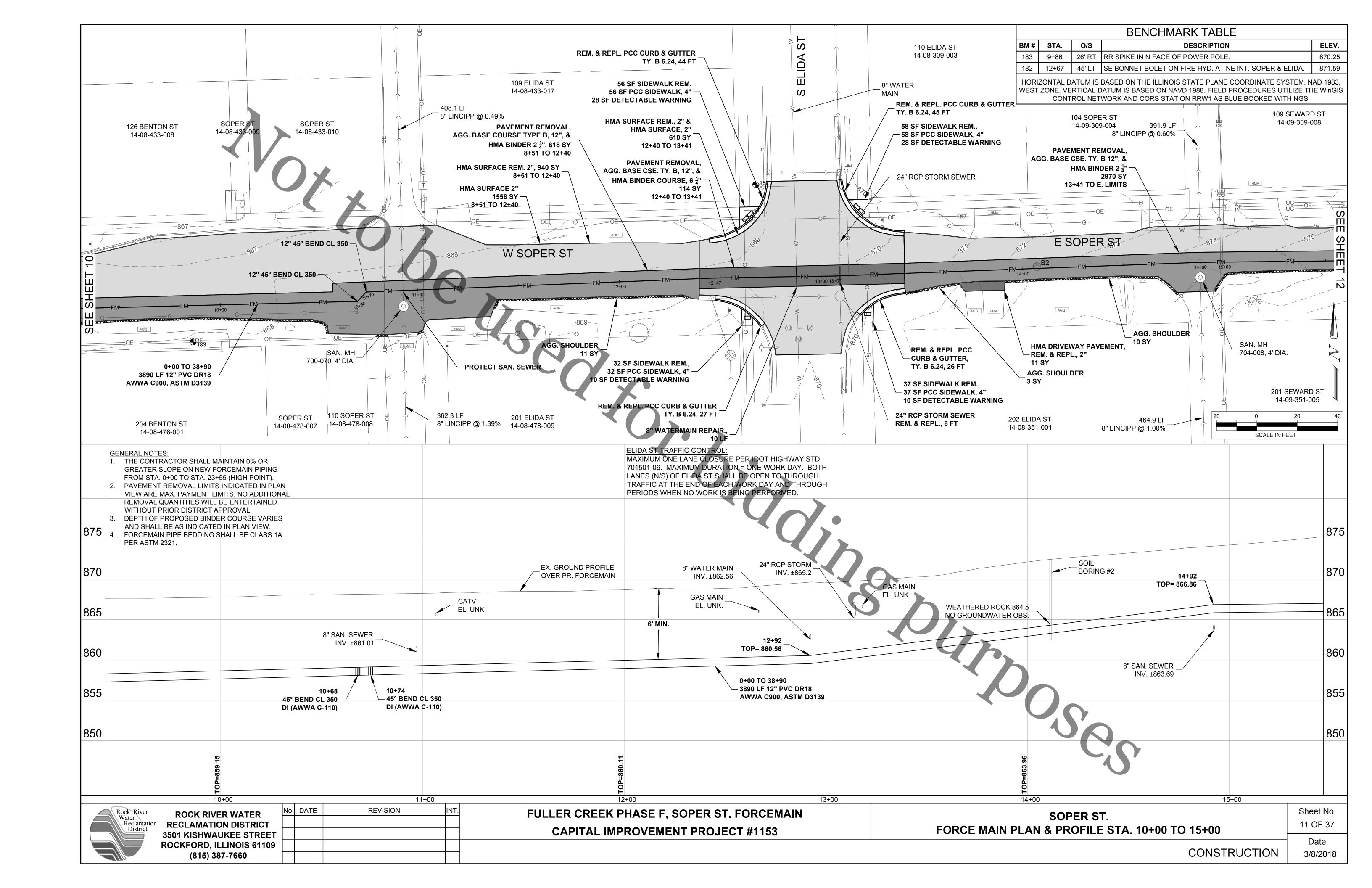


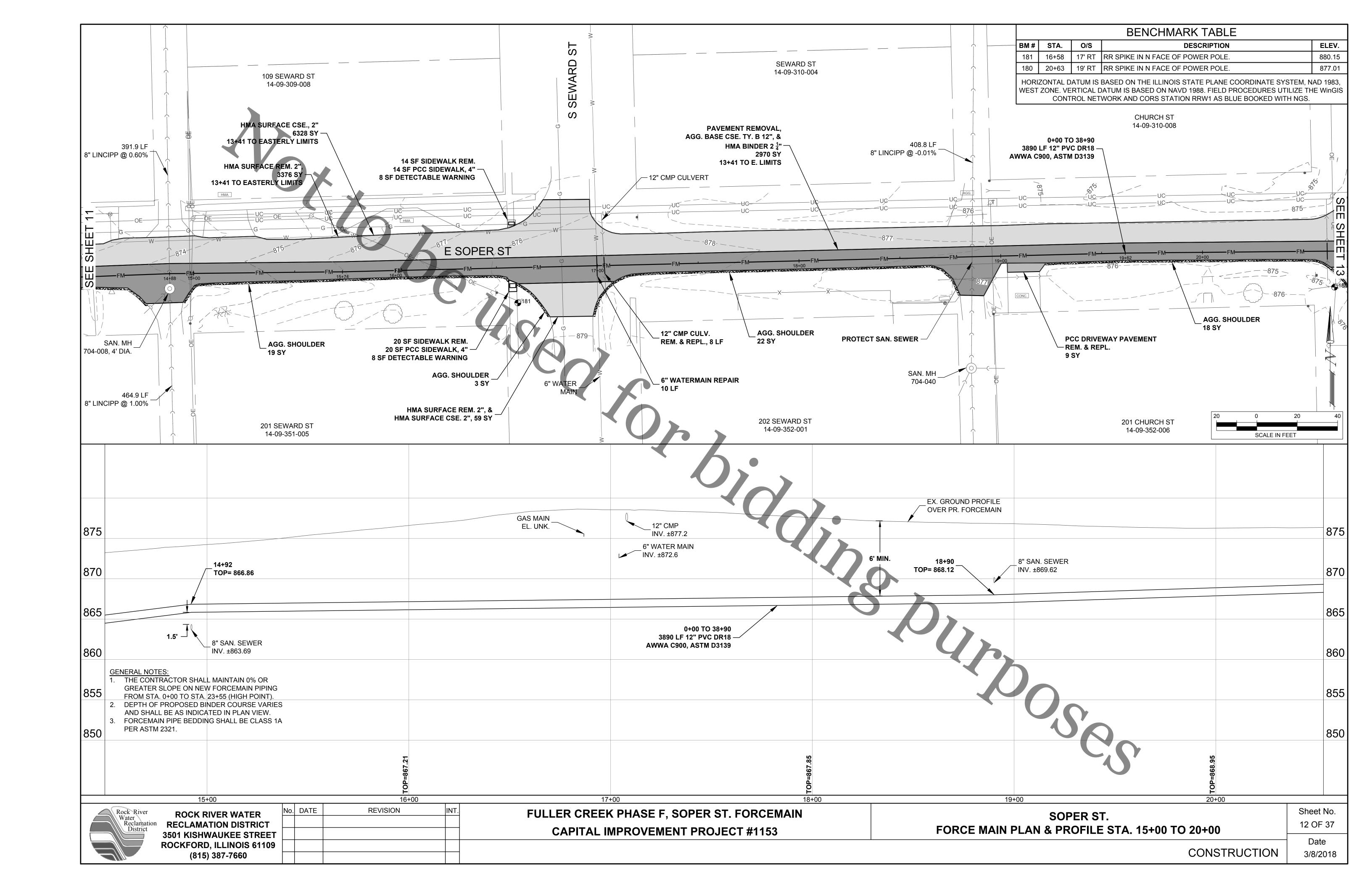


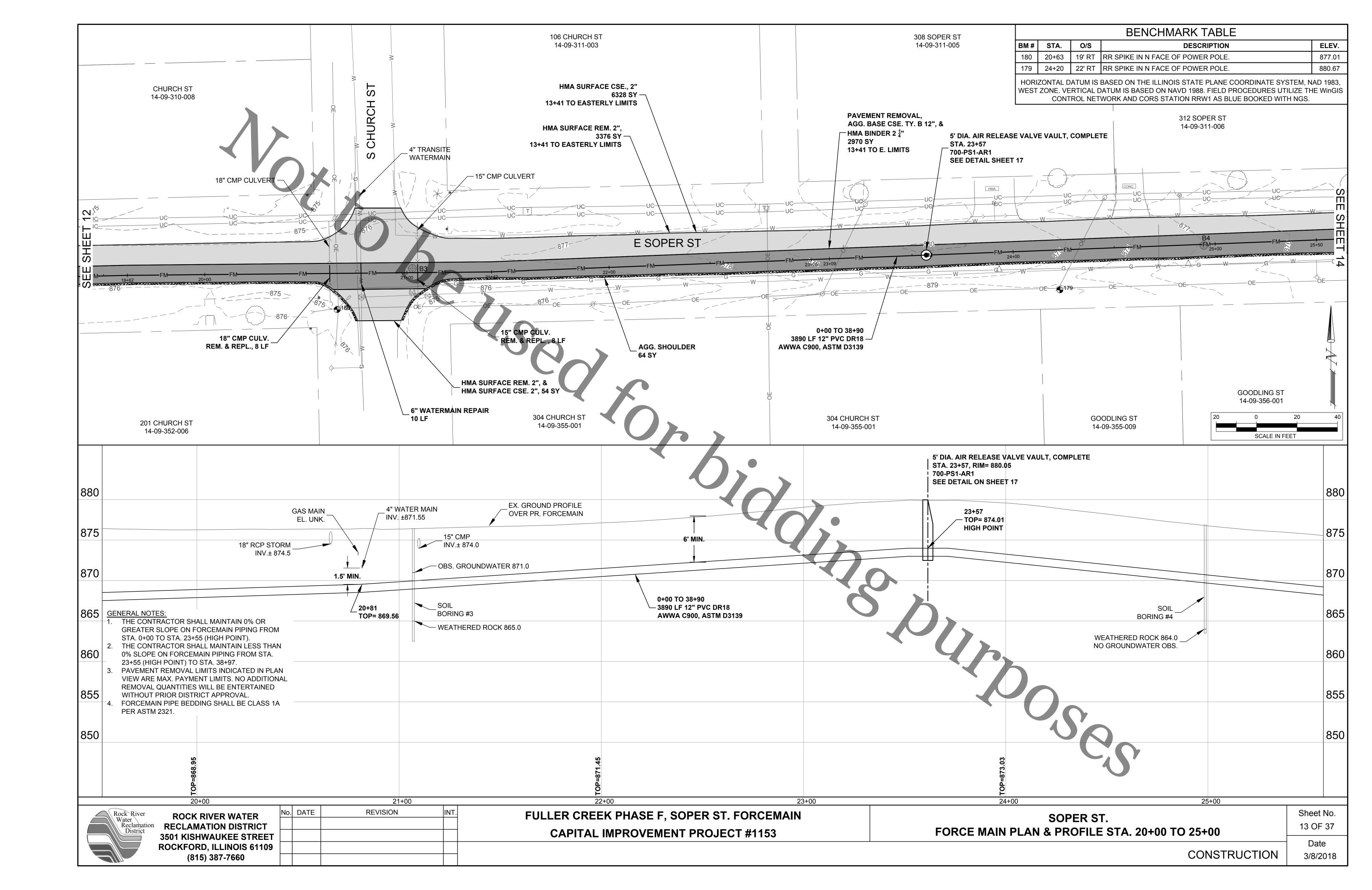


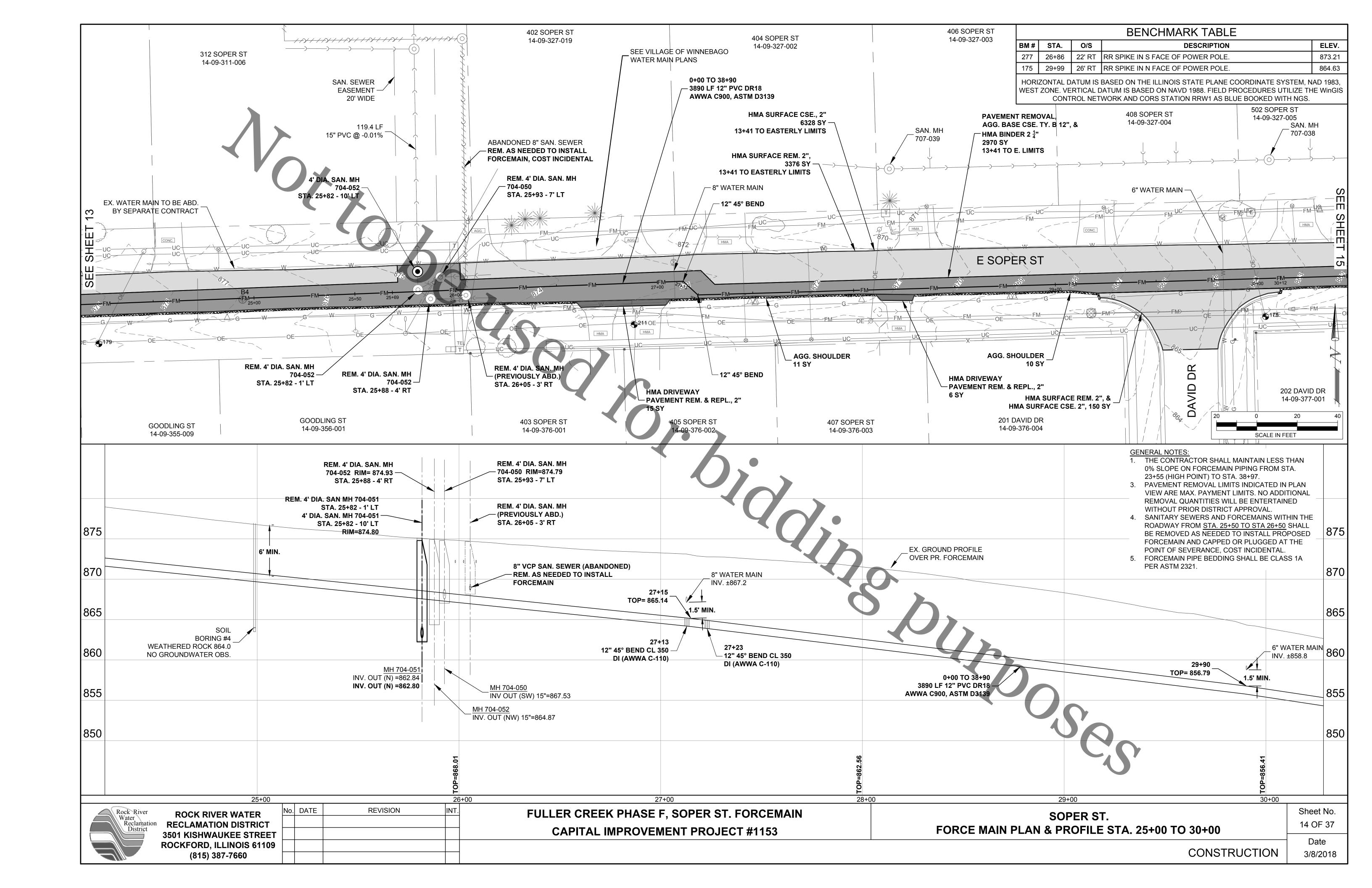


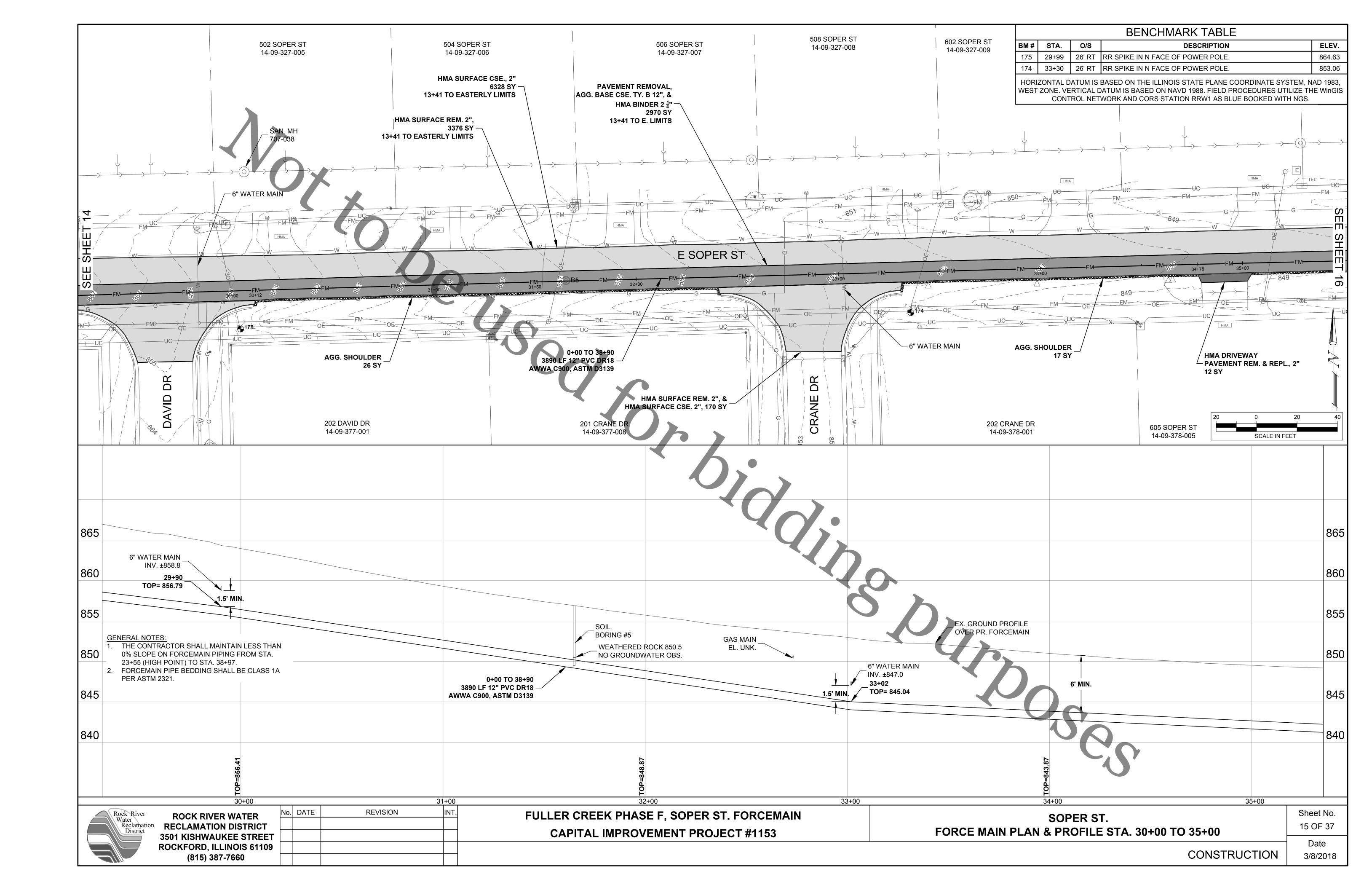


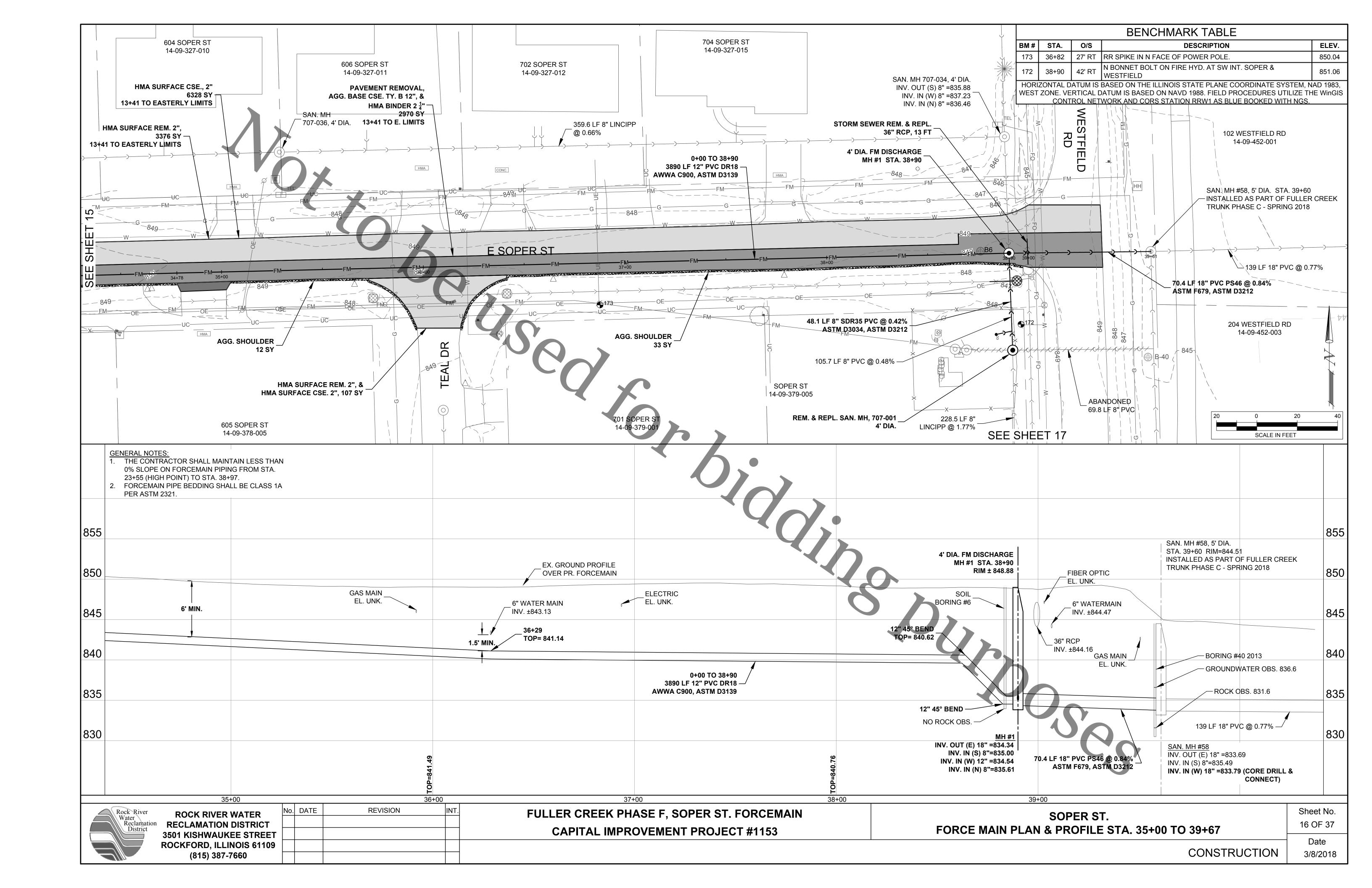


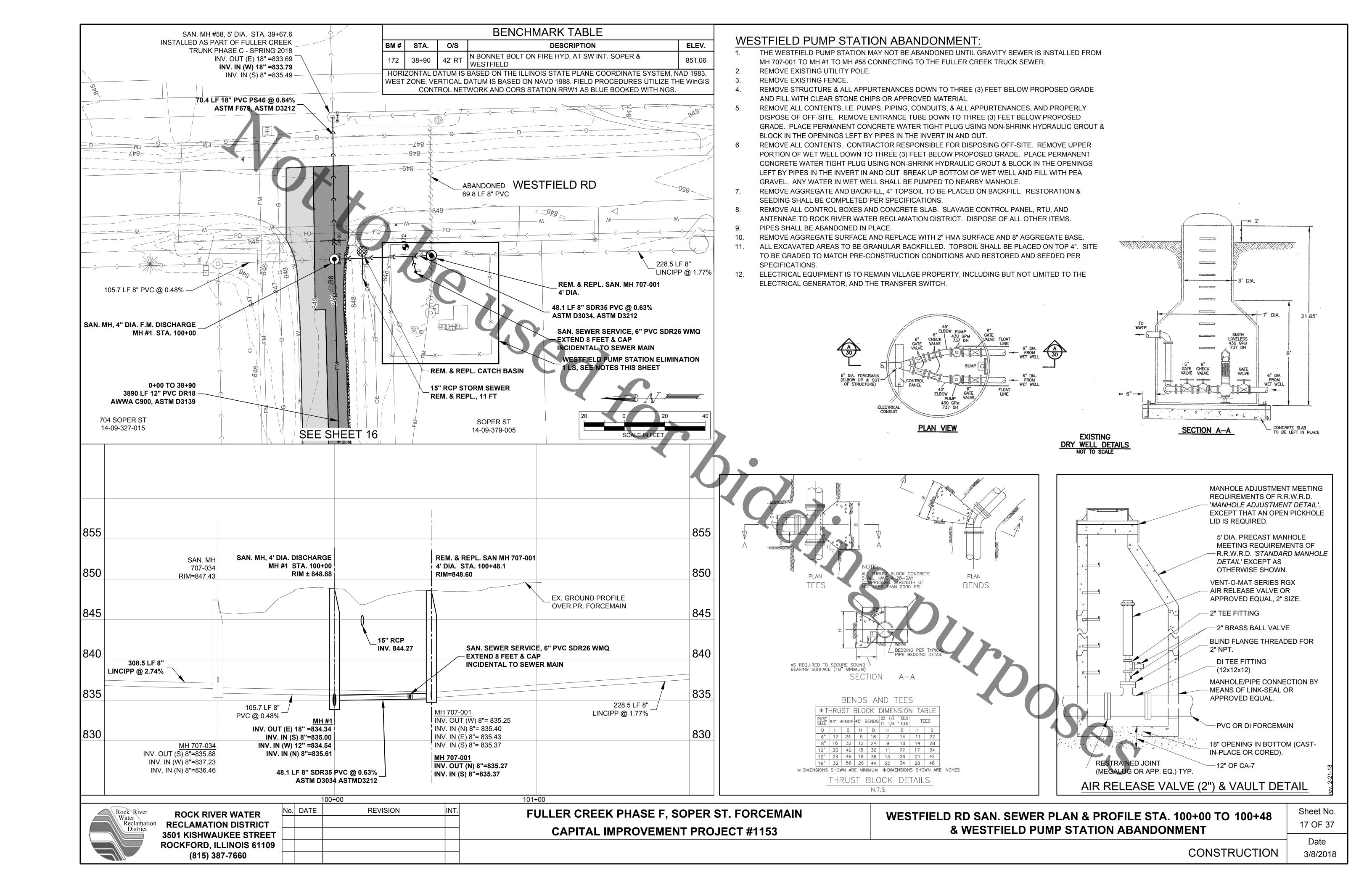


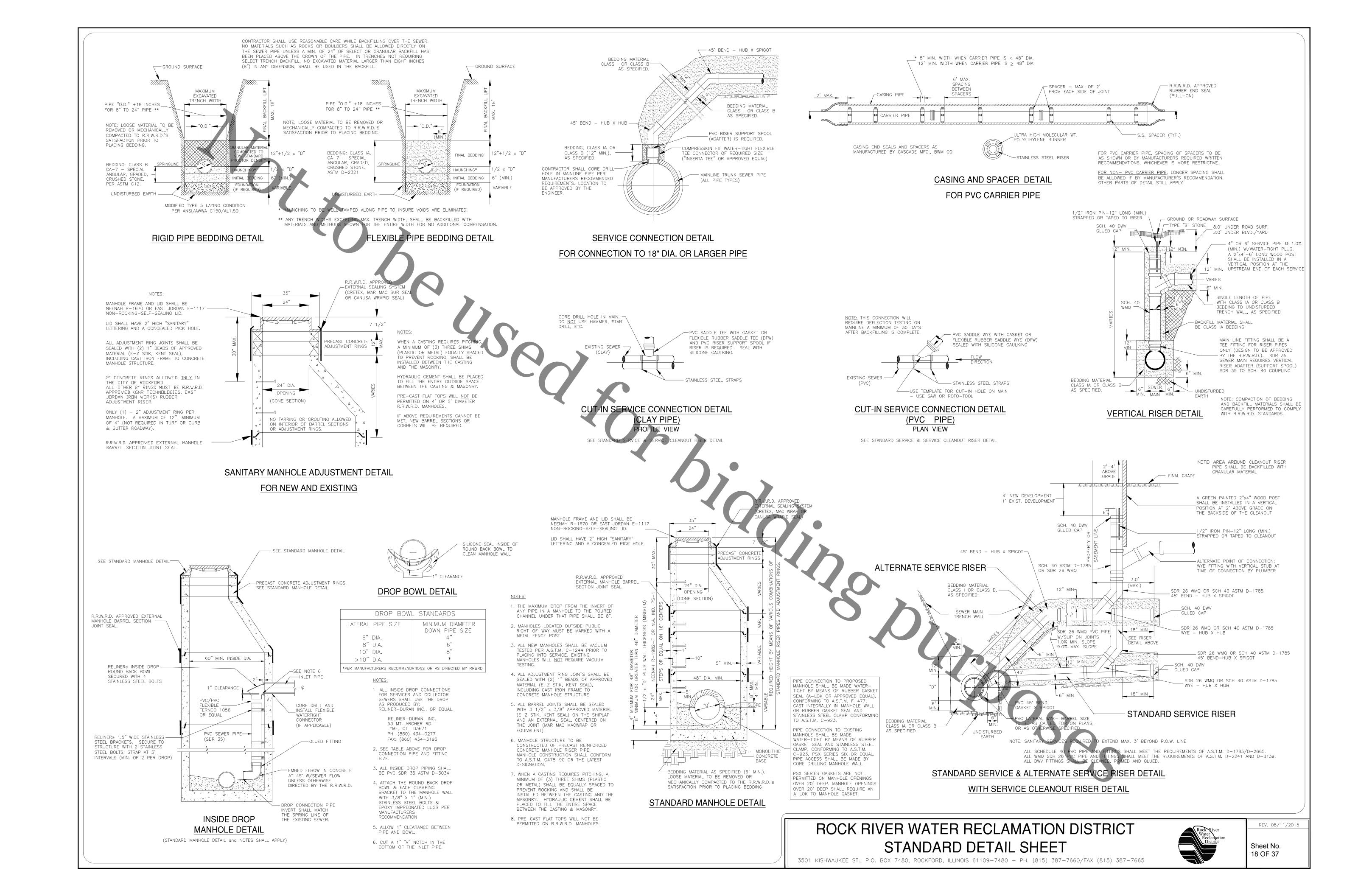












ABBREV					SYMBOLS					
< ANGLE ABC AGGREGATE BASE COURSE	PE POLYETHYLENE PIPE PI POINT OF INTERSECTION	<u>EXISTING</u>	<u>CIVIL</u>	<u>PROPOSED</u>	<u>EXISTING</u>	WATER	PROPOSED	<u>EXISTING</u>	<u>UTILITY</u>	PROPOSED
AC ACRE(S) ACI AMERICAN CONCRETE INSTITUTE AGR AGGREGATE	PL PLATE PLG PLUG VALVE PLP POLYPROPYLENE PIPE	EXISTING R.O.W.	RIGHT-OF-WAY LINE	PROPOSED_R.O.W.	WSV WSV	WATER SERVICE	wsv wsv	—— FO ——— FO ——	FIBER OPTIC LINE	—— FO——
AISC AMERICAN INSTITUTE OF STEEL CONSTRUCTION ALT ALTERNATE	PLYWD PLYWOOD PM PRINCIPAL MERIDIAN		PROPERTY LINE		W	WATER PIPE	——w——w——	TVTV	UNDERGROUND TV CABLE	<u>тv</u> т <u>т</u>
ARCH ARCHITECT ASPH ASPHALT ASTM AMERICAN SOCIETY OF TESTING AND MATERIALS	PR PRESSURE REGULATORS PRC POINT OF REVERSE CURVATURE PRESS PRESSURE		CENTERLINE		-φ-	FIRE HYDRANT	+	C	CABLE TV RISER PEDESTAL	
B BALL VALVE BFP BACKFLOW PREVENTER	PR, PROP PROPOSED PRV PRESSURE REDUCING VALVE		SETBACK LINE		Ø	YARD HYDRANT	₩	OU	OVERHEAD UTILITY	ou
BIT BITUMINOUS BLDG BUILDING BLK BLOCKING	PSF POUNDS PER SQUARE FOOT PSI POUNDS PER SQUARE INCH PSL PIPE SLEEVE		EASEMENT LINE		\boxtimes	WATER VALVE WITH BOX	X	—— UE ——— UE ——		UE
BM BENCHMARK BOT BOTTOM	PT POINT OF TANGENCY PLG PLUG VALVE		SECTION LINE			CURB STOP W/CURB BOX	•	E	ELECTRIC RISER PEDESTAL	E
BSMT BASEMENT BV BUTTERFLY VALVE B-B BACK-TO-BACK OF CURB DIMENSION	PVC POLYVINYL CHLORIDE (PLASTIC) PIPE R RADIUS RDCR REDUCER	(5 4 8 9)	SECTION CORNER			REDUCER	▼	(E)	ELECTRIC MANHOLE	Œ -
CL or & CENTERLINE C TO C CENTER TO CENTER	RCCP REINFORCED CONCRETE CYLINDER PIPE RCP REINFORCED CONCRETE PIPE	N 1000.00 E 1000.00	COORDINATE POINT ON GRID SYSTEM	И	W	WATER VALVE VAULT 11.25° BEND	₩	TT	UNDERGROUND TELEPHONE TELEPHONE RISER PEDESTAL	—
C & G CURB AND GUTTER CF CUBIC FEET CHD CHORD LENGTH	RD ROOF DRAIN REINF REINFORCING REQD REQUIRED	• FND	FOUND OR SET PROPERTY PIN	o set		22.50° BEND	M		TELEPHONE MANHOLE	<u>ш</u>
CI CAST IRON PIPE CHK CHECK VALVE	ROW RIGHT OF WAY RFTR RAFTER		RIGHT-OF-WAY MARKER	X		45° BEND	~ 1	. •	UTILITY POLE	•
CLR CLEAR CMP CORRUGATED METAL PIPE CMU CONCRETE MASONRY UNIT	RND ROUND RR RAILROAD RRSP RAILROAD SPIKE	-	BENCHMARK			90° BEND	т.	<u>A</u> .	UTILITY POLE W/ METER	•
CTY COUNTY CONC CONCRETE	RT RIGHT R&R REMOVE AND REPLACE	——600 <u> </u>	CONTOUR LINE	600		TEE	<u> </u>	-ô-	UTILITY POLE W/ TRANSFORMER	
CONT CONTINUOUS C-B CENTERLINE TO BACK OF CURB DIMENSION COORD COORDINATE	S SOUTH SB STREAM BED SCHED SCHEDULE	000.00 FG]●	SPOT ELEVATION (AT •)	000.00 FG		CAP	3	-0-	UTILITY POLE W/ LIGHT	
CU COPPER PIPING CTRS CENTERS	SEC SECTION SF SQUARE FEET	x x	FENCE LINE	x x	M	WATER METER	M	>— — -	UTILITY POLE WITH GUY WIRE AND ANCHO	DR ≻−− ♦
CY CUBIC YARDS CS CORPORATION STOP D DEGREE OF CURVE	SHR SHOWER SHT SHEET SHTG SHEATHING	O	SILT FENCE LINE	0 0	₩	SPRINKLER HEAD		>=<	LIGHT (MAST MOUNTED)	\succ
DEP DEPRESSED DET DETAIL	SP SANITARY PIPE SPA SPACING OR SPACES		CURB AND GUTTER		•	TRACER WIRE BOX	•	×	LIGHT POLE (SINGLE FIXTURE)	×
DIAG DIAGONAL DIM DIMENSION DI DUCTILE IRON PIPE	SPEC SPECIFICATION SQ SQUARE SS SANITARY SERVICE		TIP OUT CURB AND GUTTER	(A)				过	YARD LIGHT	×
DN DOWN DNSTR DOWNSTREAM	STA STATION STD STANDARD		SAWCUT, LIMITS OF PAVEMENT REMOVE & REPLACEMENT		EXISTING	STORM SEWER	<u>PROPOSED</u>		GAS MAIN	——-G——G——
DP DRAINAGE PIPE/STORM PIPE DWG DRAWING	STL STEEL STRUCT STRUCTURAL	X"	DECIDUOUS TREE W/ SIZE	×"	—— ST>——— ST>——	STORM SEWER	—	M	GAS METER	M
E EAST EJ EXPANSION JOINT EL, ELEV ELEVATION	SW SIDEWALK SY SQUARE YARDS SYM SYMMETRICAL	X X	CONIFEROUS TREE W/ SIZE	* *	DT>	<u></u>	DT> DT>	M	GAS VALVE	H
EP EDGE OF PAVEMENT EQUIP EQUIPMENT	TAN TANGENT LENGTH TBC TOP BACK OF CURB		TREE STUMP	سسسس	· · ·	Direct Line (Crites)	· · · · · ·	G	GAS STRUCTURE	(G)
EQUIV EQUIVALENT EW EACH WAY EXP EXPANSION	TBM TEMPORARY BENCH MARK; BASED ON BENCHMARK DATUM TD TILE DRAIN THK THICK	Live John Comments of the Comm	HEDGEROW BUSH OR SHRUB	hin		DITCH LINE (UNPAVED)		EVICTING	TRAFFIC RELATED	DRODOSED
EX, EXIST EXISTING EXT EXTERIOR	TR TREAD TY TYPE		TREE LINE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		STORM MANHOLE		<u>EXISTING</u>		PROPOSED
E = EXTERNAL DISTANCE FD FLOOR DRAIN FDN FOUNDATION	TYP TYPICAL U.O.N. UNLESS OTHERWISE NOTED UP UTILITY POLE	<u>CL</u>	CONSTRUCTION LIMIT LINE	CL		CATCH BASIN STORM SEWER INLET			CONTROLLER	
FE FIELD ENTRANCE FF FINISH FLOOR	UPSTR UPSTREAM UR URINAL	<u></u>	SIGN (MULTIPLE POST, SINGLE POST	·)		STORM SEWER INLET — BEHIND CURB			MAST ARM ASSEMBLY AND POLE	
FIL FILLET FIN FINISH FL FLOW LINE	USGS US GEOLOGICAL SURVEY VC VERTICAL CURVE VCP VITRIFIED CLAY PIPE		SIGN (PYLON)		∅	DOWNSPOUT		$\bigcirc \rightarrow$	SIGNAL HEAD AND POST	••
FLR FLOOR FM FORCE MAIN	VERT VERTICAL VOL VOLUME		GUARD RAIL		<u>X"_TYPE</u>		<u>X" TYPE</u>	→> —□	SIGNAL HEAD PEDESTRIAN HEAD	→
FND FOUND FRMG FRAMING FTG FOOTING	VPC VERTICAL POINT OF CURVATURE VPI VERTICAL POINT OF INTERSECTION VPRC VERTICAL POINT OF REVERSE CURVATURE	-++	RAILROAD TRACKS			CULVERT AND SIZE			PEDESTRIAN HEAD PEDESTRIAN PUSH-BUTTON	1 ■
F-F FACE TO FACE GA GAUGE	VPT VERTICAL POINT OF TANGENCY W WEST	(//////////////////////////////////////	BUILDING	V11111/		RCCP OR RCP EQRS (RCAP) END SECTION	ON O		HAND HOLE	
GI GALVANIZED IRON PIPE GRD GRADE GRS GRATING SUPPORT	WC WATER CLOSET WF WIDE FLANGE WM WATER MAIN	·	MAILBOX			METAL OR HDPE END SECTION	U		DOUBLE HAND HOLE	
GRT GROUT GV GAS VALVE	WMQ WATER MAIN QUALITY WV WATER VALVE	·	FLAGPOLE			FLOW DIRECTION	- ∿→		HAND HOLE OR JUNCTION BOX	J
HSE HOUSE HC HORIZONTAL CURVE HMA HOT MIX ASPHALT	WGT WEIGHT WP WEATHER PROOF WS WATER SERVICE	•	BOLLARD	0	EXISTING	EROSION CONTROL	<u>PROPOSED</u>		HEAVY-DUTY HAND HOLE	
HNGR HANGER HORIZ HORIZONTAL	WWF WELDED WIRE FABRIC W/ WITH	AC	AIR CONDITIONER	AC			<u> </u>			
H.P. HIGH POINT HW HOT WATER HWH HOT WATER HEATER	W/O WITHOUT XP EXPLOSION PROOF	EXISTING	MISC	PROPOSED		EROSION CONTROL BLANKET		_(5' _ 2")_	EXISTING CONDUIT (LENGTH AND SIZE) PROP GALVANIZED STEEL OR PVC CONDU UPPER MATERIAL INDICATES LENGTH	¬
$\Delta = CENTRAL ANGLE$ I MOMENT OF INERTIA		● S.B. #XX	SOIL BORING LOCATION AND NUMBER	R ⊕ S.B. #XX		TEMPORARY AND PERMANENT SEEDING AF	REA [:::::::::		"T" INDICATES CONDUIT IN TRENCH "P" INDICATED CONDUIT PUSHED LOWER NUMERAL INDICATES SIZE AND TYPE	<u>5' - T</u> 2" GS-PVC
ID INSIDE DIAMETER INV INVERT ELEVATION; BASED ON BENCH MARK DATUM	HATCH PATTERNS	MW #XX	MONITORING WELL	MW #XX		UNDISTURBED AREA	<pre> ></pre>	X	LUMINAIRE	<u>~</u>
IP IRON PIPE L LENGTH OF CURVE	EARTH - FILL BRICK		REVISION NUMBER	\triangle		STABILIZED CONSTRUCTION ENTRANCE		^		A
LAT LATERAL LF LINEAL FEET L.P. LOW POINT			OUTLINE OF DETAILED AREA	$\square : : \square : \square$		SILT FENCE			ARROW — THROUGH, TURN LEFT	4
LT LEFT OF SURVEY BASE LINE MAX MAXIMUM	EARTH — UNDISTURBED STEEL		SECTION NUMBER			INLET PROTECTION		<u>П</u>		.
ME MATCH EXISTING MH MANHOLE	ROCK (GEOLOGICAL) INSULATION (LOOSE/ BATT)		SHEET WHERE SHOWN	A S-				1	ARROW — THROUGH	1
MIN MINIMUM MJ MECHANICAL JOINT MTL METAL	STONE OR RIP RAP INSULATION (RI	GID)			I	TEMPORARY SEDIMENT TRĂP			ARROW — TURN LEFT	6
N NORTH No. OR # NUMBER	GRAVEL WOOD (ROUGH)	EXISTING	SANITARY SEWER	PROPOSED		CULVERT INLET PROTECTION			ARROW — TURN RIGHT	<i>\rightarrow</i>
NTS NOT TO SCALE OC ON CENTER OD OUTSIDE DIAMETER		SAN >	SANITARY SEWER	SAN >		ROCK OUTLET PROTECTION			ANON TORN MOIT	{
OO OUTSIDE TO OUTSIDE OPP OPPOSITE		ssv> ssv>	SANITARY SEWER SERVICE	ssv>		ROCK CHECK DAM - COURSE AGGREGAT	TE FILE		ONE DIRECTION TURN ONLY	UNLY
PC POINT OF CURVATURE PCC PORTLAND CEMENT CONCRETE PCF POUNDS PER CUBIC FOOT	CONCRETE BLOCK WOOD (FINISH)	<fm< td=""><td>SANITARY SEWER FORCE MAIN</td><td><fm< td=""><td></td><td>ROCK CHECK DAM — RIP RAP</td><td></td><td></td><td>HANDICAPPED PARKING STALL</td><td>Æ</td></fm<></td></fm<>	SANITARY SEWER FORCE MAIN	<fm< td=""><td></td><td>ROCK CHECK DAM — RIP RAP</td><td></td><td></td><td>HANDICAPPED PARKING STALL</td><td>Æ</td></fm<>		ROCK CHECK DAM — RIP RAP			HANDICAPPED PARKING STALL	Æ
PDP PERFORATED DRAIN PIPE	CMU DETECTABLE WA	RNING	SANITARY CLEANOUT	CO ●						5.
FEHR GRALAM ILLINOIS IOWA	ASPHALT PAVEMENT	S	SANITARY MANHOLE	•		DITCH CHECK	00		TRAFFIC DETECTOR LOOP	
ENGINEERING & ENVIRONMENTAL WISCONSIN			WYE FITTING	Ի					TRAFFIC CONTROL BOX	
Rock River POCK PIVED WATER	No. DATE REVISION INT.		VILLAGE OF WINNEBA	GO		\A/A TI	ERMAIN IMPR	OVEMENTO	FGEND	Sheet No.
Reclamation RECLAMATION DISTRICT			ATER MAIN IMPROVEM			VVAII	-NIVIAIN IIVIPRU	OVEIVIEN 13 L	LGLIND	19 OF 37
3501 KISHWAUKEE STREET ROCKFORD, ILLINOIS 61109				-						Date
(815) 387-7660										03/08/18
PLOT DATE: 3/2/18									G:\C3D\17\17-692\Plans\17-692 Plans.dwg, Legend	-

IDOT DISTRICT 2 STANDARDS

SEWER AND WATERMAIN CROSSINGS

WATER

APPROVAL BY THE VILLAGE OF WINNEBAGO HAS BEEN ISSUED.

TUBING RATED TO 200 PSI AND CONFORM TO AWWA C901.

STORM SEWER SHALL NOT BE USED AS WATER MAIN QUALITY PIPE.

ADDITIONAL COMPENSATION WILL BE ALLOWED.

DETERMINED BY THE VILLAGE OF WINNEBAGO.

CONSTRUCTION.

INCIDENTAL TO THE CONTRACT.

WATER FOR MORE THAN 24 HOURS, UNLESS SPECIAL APPROVAL IS OBTAINED.

EDITION, ON FILE WITH THE ILLINOIS EPA DIVISION OF PUBLIC WATER SUPPLIES.

PROCTOR DENSITY. GRANULAR BACKFILL MATERIAL WILL BE CONSIDERED INCIDENTAL.

REQUIREMENTS OF AWWA, THE ILLINOIS EPA, AND THE VILLAGE OF WINNEBAGO.

OBSTACLES WHICH MAY HIDE OR IMPEDE THE USE OF A FIRE HYDRANT WILL NOT BE PERMITTED

AWWA STANDARD C509 OR C515. ALL VALVES SHALL OPEN LEFT.

ARCHITECT'S/ENGINEER'S APPROVAL WHERE EXISTING BURIED UTILITIES MAY CONFLICT.

THE PLANS, SHALL BE INCLUDED AT THE CONTRACT UNIT PRICE PER LINEAR FOOT FOR WATER MAIN.

11. WATER VALVE BOX ADJUSTMENTS SHALL BE DETERMINED ON SITE AND SHALL BE INCIDENTAL TO THE CONTRACT.

SHALL INSPECT ALL WATER SERVICES.



FEHR GRAHAM ENGINEERING & ENVIRONMENTAL

Rock River **ROCK RIVER WATER** Water RECLAMATION DISTRICT 3501 KISHWAUKEE STREET **ROCKFORD, ILLINOIS 61109** (815) 387-7660

No. DATE REVISION

VILLAGE OF WINNEBAGO **WATER MAIN IMPROVEMENTS**

WATER MAIN GENERAL NOTES

30. CURB STOPS SHALL BE MUELLER H15155 FOR 1" SERVICES AND MUELLER B25155 FOR 1-1/2" -2" SERVICES OR APPROVED EQUAL.

31. CORPORATION STOPS SHALL BE MUELLER H15008 FOR 1" SERVICES AND MUELLER H15013 FOR 1-1/2"-2" SERVICES OR APPROVED EQUAL.

1. STRIKE-THROUGH AS-BUILTS AND AUTOCAD FILE SHALL BE SUBMITTED TO THE VILLAGE OF WINNEBAGO FOR RECORD COPIES, ONCE FINAL

2. A VILLAGE OF WINNEBAGO ENGINEERING INSPECTOR SHALL BE PRESENT FOR ALL WATER MAIN WORK. A VILLAGE OF WINNEBAGO PLUMBER

3. WATER PIPE SHALL BE PVC PER THE SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE PLANS. SERVICE LINES SHALL BE SDR9 HDPE

4. ALL WATER MAIN SHALL BE PRESSURE TESTED FOR ACCEPTANCE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND

CONSTRUCTION IN ILLINOIS". CURRENT EDITION. ANY DEFECTS FOUND IN THE NEW WATER MAIN WILL BE CORRECTED BY THE CONTRACTOR AT

CONSTRUCTION IN ILLINOIS", CURRENT EDITION. IN ACCORDANCE WITH THE REQUIREMENTS OF AWWA, THE ILLINOIS EPA, AND THE VILLAGE OF

STORM SEWER AND MAINTAIN A MINIMUM TEN FEET HORIZONTAL SEPARATION BETWEEN ANY WATER MAIN/WATER MAIN SERVICES ENCOUNTERED

7. CONTRACTOR SHALL MAINTAIN A MINIMUM EIGHTEEN INCH VERTICAL SEPARATION WITH WATER MAIN/WATER MAIN SERVICES AND SANITARY OR

AND THE SANITARY SEWER/SANITARY SEWER SERVICES AND STORM SEWER. ANY CHANGES TO THIS REQUIREMENT SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", LATEST EDITION. GASKETED

8. EXISTING WATER MAIN SHUT DOWN TIME SHALL BE KEPT TO A MINIMUM AND BE COORDINATED WITH OWNER. NO USER SHALL BE WITHOUT

10. ALL FITTINGS (BENDS, TEES, CROSSES, AND PLUGS) REQUIRED TO COMPLETE THE INSTALLATION OF C909 PVC WATER MAINS, AS SHOWN ON

12. THRUST RESTRAINT SHALL CONFORM TO THE REQUIREMENTS OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION AND THE VILLAGE OF WINNEBAGO. RESTRAINED JOINTS ARE REQUIRED FOR VERTICAL BENDS AND REDUCERS.

13. THE CONTRACTOR SHALL PROVIDE 'WHIPS' AS NECESSARY FOR FLUSHING AND AIR RELEASE ON THE NEWLY CONSTRUCTED WATER MAINS. WHIPS SHALL BE CONSTRUCTED USING 1-INCH CORPORATION STOPS AND 1-INCH DIAMETER COPPER TUBING. WHEN ALL TESTING AND FLUSHING OPERATIONS HAVE BEEN COMPLETED, THE CORPORATION STOPS SHALL BE CLOSED AND THE COPPER TUBING SHALL BE CUT AND CAPPED. THE COST TO FURNISH, INSTALL AND REMOVE THE WHIPS SHALL BE INCLUDED IN THE UNIT PRICES FOR THE WATER MAINS. NO

14. EXISTING WATER MAIN AND SERVICE LOCATIONS ARE APPROXIMATE AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. THIS WILL BE

16. THE MINIMUM COVER FOR ALL WATER MAIN AND SERVICE PIPE IS 6 FEET (6') FROM FINISHED GRADE TO TOP OF PIPE.

15. ALL WATER MAINS AND SERVICE INSTALLATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION, AND THE ADOPTED STANDARD WATER MAIN SPECIFICATIONS, CURRENT

17. ALL WATER MAINS UNDER AND WITHIN TWO FEET OF ANY EXISTING OR PROPOSED PAVEMENT INCLUDING AGGREGATE DRIVEWAYS, WALK OR, CURB SHALL BE BACKFILLED WITH GRANULAR BACKFILL MATERIAL. BEDDING, HAUNCHING, AND INITIAL BACKFILL SHALL BE SAND, TRENCH BACKFILL SHALL BE CA-6. BACKFILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 12 INCHES COMPACTED TO 95% OF MAXIMUM STANDARD

18. ALL VALVES SHALL BE GATE VALVES MUELLER 2360 SERIES RW GATE VALVE OR APPROVED EQUAL, WITH MECHANICAL JOINTS (AWWA STANDARD C111/ANSI STANDARD A21.11). RESILIENT SEAT WEDGE TYPE, WITH CAST IRON OR DUCTILE IRON BODY, BRONZE MOUNTED. BRONZE NON-RISING STEM, DOUBLE DISC PATTERN (AWWA STANDARD C500), DESIGNED FOR 300 POUNDS WORKING PRESSURE MEETING

19. AFTER THE PRESSURE TEST HAS BEEN ACCEPTED. THE CONTRACTOR SHALL CHLORINATE THE WATER MAINS IN ACCORDANCE WITH THE

20. NO OBJECT MAY BE CONSTRUCTED, MAINTAINED, OR INSTALLED WITHIN 48 INCHES OF A FIRE HYDRANT. TREES, BUSHES, WALLS, OR OTHER

21. FIRE HYDRANTS SHALL COMPLY WITH STANDARDS SPECIFIED IN AWWA C502 FOR DRY BARREL FIRE HYDRANTS. EACH HYDRANT SHALL BE THE MECHANICAL JOINT TYPE EQUAL TO THOSE MANUFACTURED BY THE MUELLER COMPANY (SUPER CENTURION) OR APPROVED EQUAL. NO FIRE HYDRANTS SHALL BE LOCATED IN CUL-DE-SAC ISLANDS. HYDRANTS SHALL BE PAINTED IN CONFORMITY TO AWWA STD. C502. COLOR TO BE

22. FIRE HYDRANTS SHALL HAVE TWO 2-1/2 INCH NOZZLES AND ONE 5" STORZ NOZZLE. HYDRANTS SHALL BE OF DRY BARREL TYPE FOR NON-FREEZING WITH AUTOMATIC DRAIN ON EXTREME END OF HYDRANT AND NON-FLOODING WITH THE GATE SECURELY LOCKED IN PLACE. THE CHAIN SHALL BE OF PLATED STEEL CONSTRUCTION. HYDRANTS SHALL CLOSE WITH THE PRESSURE AND SHALL HAVE A SUFFICIENT NUMBER OF TURNS TO CLOSE HYDRANT SLOWLY ENOUGH TO ELIMINATE WATER HAMMER. THE GATE OF THE HYDRANT SHALL INSURE A RIGHT AND COMPLETE SHUTOFF. HYDRANTS SHALL BE OF SUCH DESIGN TO ALLOW FOR THE REMOVAL AND REPAIR OF THE INTERNAL MECHANISM WITHOUT DIGGING. EACH HYDRANT SHALL HAVE AN AUXILIARY GATE VALVE OF NOT LESS THAN 6 INCHES IN SIZE COMPLETE WITH CAST IRON

23. HYDRANT INSTALLATION: HYDRANTS SHALL BE INSTALLED IN STRICT ACCORDANCE WITH AWWA C600 AND RECOMMENDATIONS OF THE

MANUFACTURER. ALL HYDRANTS SHALL STAND PLUMB AND SHALL HAVE THEIR NOZZLES PARALLEL WITH OR AT RIGHT ANGLES TO THE CURB,

WITH THE CENTER OF THE PUMPER NOZZLE BEING 18 TO 24 INCHES ABOVE GRADE. PRECAUTIONS MUST BE TAKEN TO PROVIDE QUATE DRAINAGE OF HYDRANTS WHERE NATURAL SOILS WILL NOT PROVIDE DRAINAGE. HYDRANT DRAINS SHALL NOT BE CONNECTED TO OR

LOCATED WITHIN 10 FEET OF SANITARY SEWERS OR STORM DRAINS. HYDRANTS WILL BE SPACED AS DIRECTED BY THE OWNER. IN GENERAL, YDRANT SPACING WILL BE BASED UPON THE AREA BEING SERVED AND AS RECOMMENDED BY THE STATE INSURANCE SERVICES OFFICE.

24. THE CONTRACTOR SHALL CONTACT THE VILLAGE OF WINNEBAGO AT LEAST 5 DAYS PRIOR TO BEGINNING WORK ON THE WATER MAIN AND/OR SERVICE INSTALLATIONS AND SHOULD MAKE THE SITE AVAILABLE FOR INSPECTION BY VILLAGE OF WINNEBAGO AT ALL TIMES DURING

NOZZLE FACING THE CURB. HYDRANTS SHALL BE SET TO THE ESTABLISHED GRADE, AND HAVE A MINIMUM BURY DEPTH OF 6

VALVE BOX AND COVER AS SPECIFIED ABOVE. ALL HYDRANT LEADS SHALL BE A MINIMUM OF 6 INCHES IN DIAMETER.

25. PRECONSTRUCTION MEETING WITH THE WATER ENGINEER IS REQUIRED PRIOR TO CONSTRUCTION OF THE WATER MAIN.

26. A FINAL WALK THROUGH AND PUNCH LIST SHALL BE COMPLETED AND APPROVED PRIOR TO FINAL ACCEPTANCE.

33. COMPACT DUCTILE IRON MECHANICAL JOINT FITTINGS SHALL BE PROVIDED AND CONFORM TO AWWA-C153.

27. ALL WATER MAIN PIPING AND APPURTENANCES SHALL BE AMERICAN MADE PRODUCTS.

28. FIRE HYDRANTS SHALL BE MUELLER SUPER CENTURION A423 OR APPROVED EQUAL.

29. GATE VALVES SHALL BE MUELLER A2360-20 OR APPROVED EQ

32. CURB BOXES SHALL BE MUELLER H10300 OR APPROVED EQUAL.

5. LEAKAGE TESTING OF THE WATER MAIN SHALL BE REQUIRED AS PER THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN

6. DISINFECTION OF THE WATER MAIN SHALL BE REQUIRED AS PER THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN

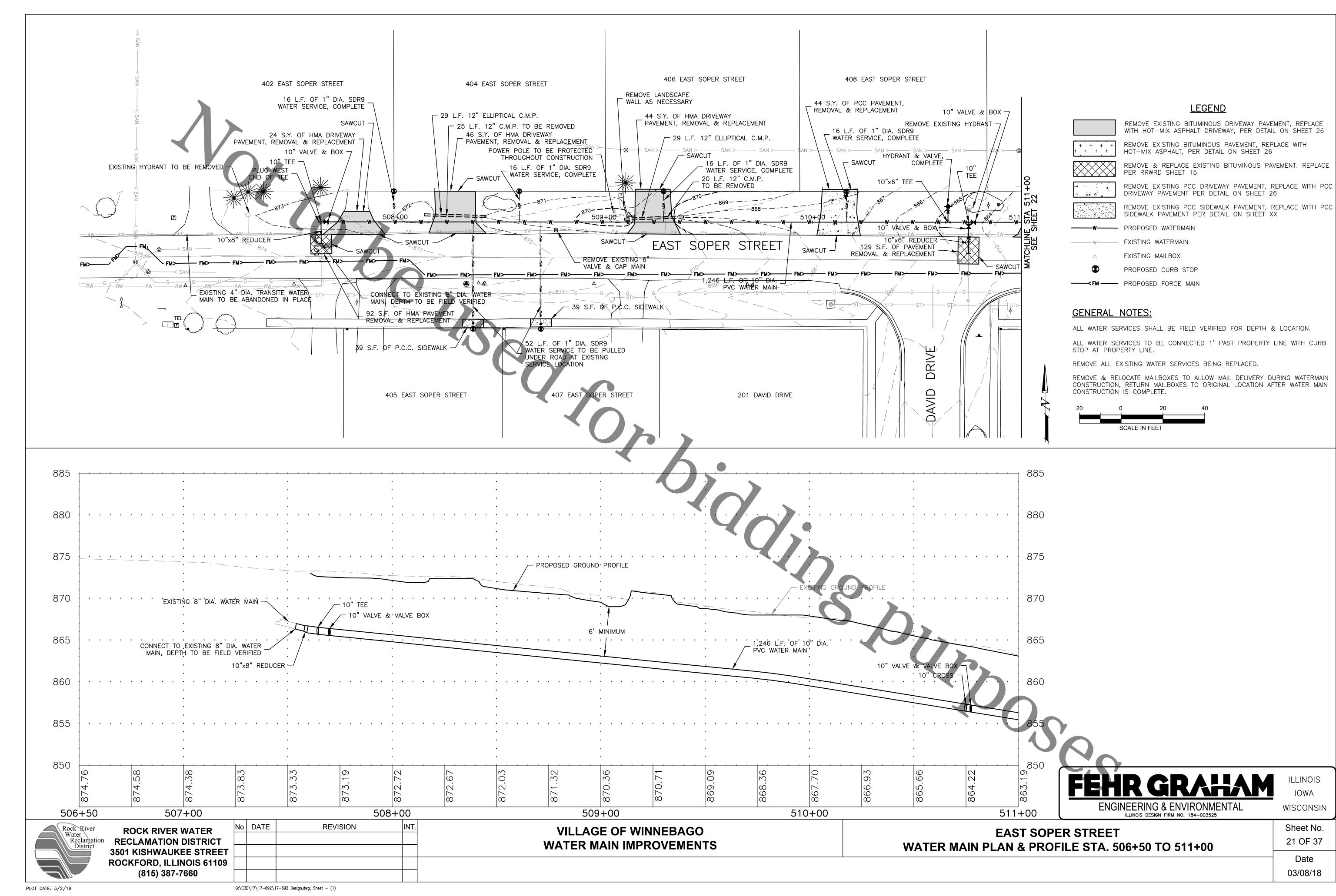
9. DIMENSIONS SHOWING WATER MAIN LOCATIONS ARE APPROXIMATE. THE HORIZONTAL ALIGNMENT MAY BE ADJUSTED WITH THE

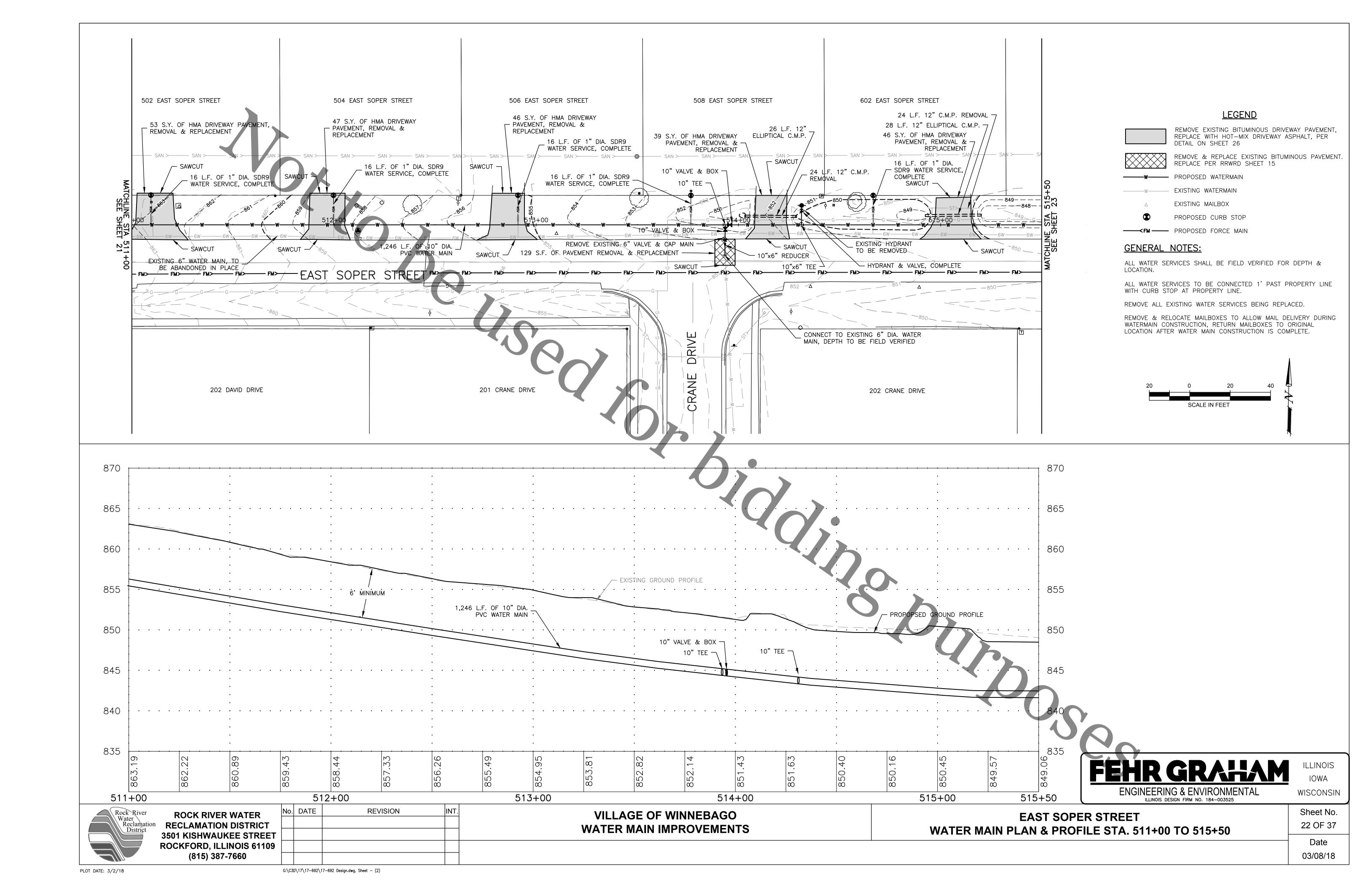
SEWER MAIN CONSTRUCTION IN ILLINOIS CURRENT EDITION". THIS WORK SHALL BE INCIDENTAL TO WATER MAIN.

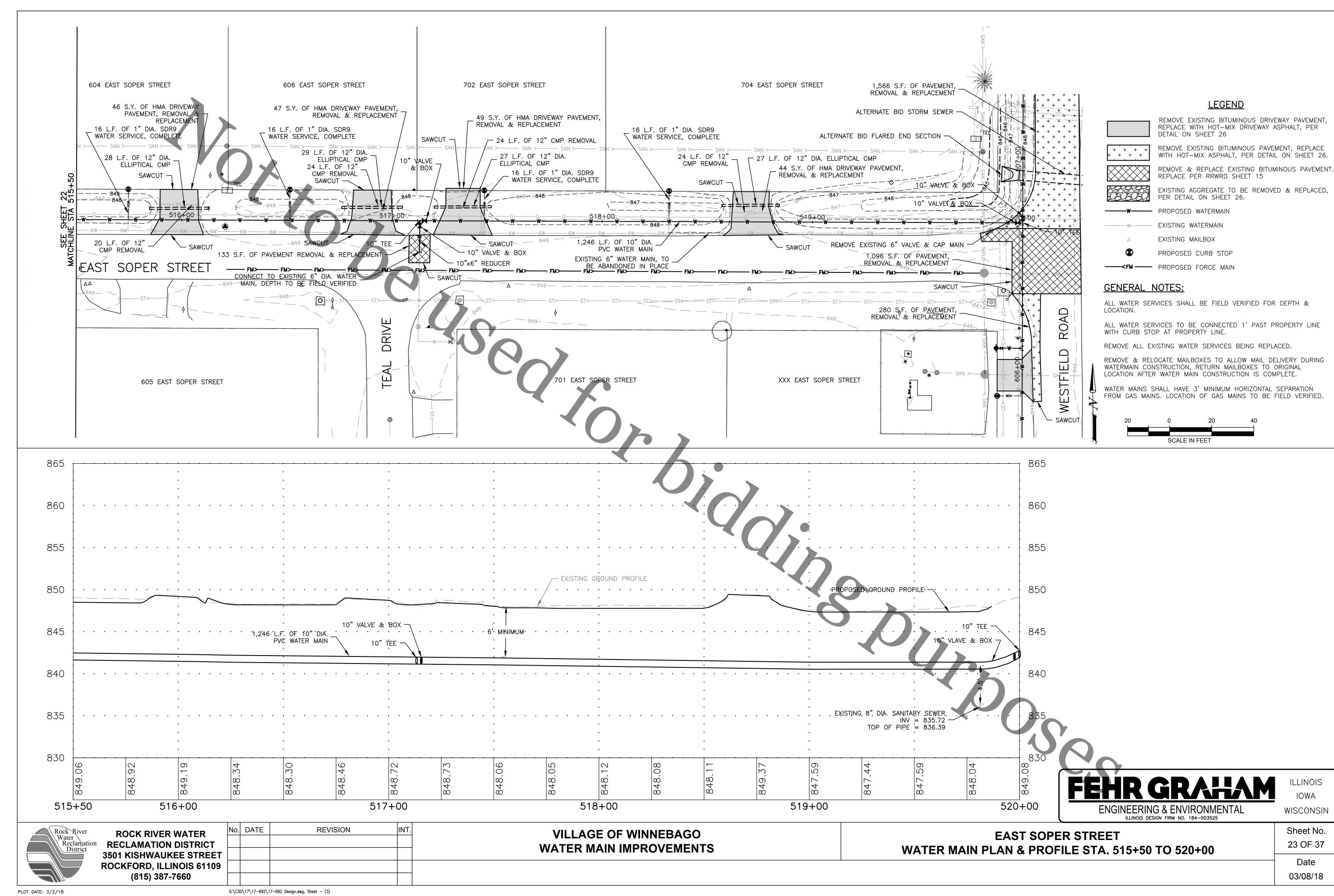
Sheet No. 20 OF 37

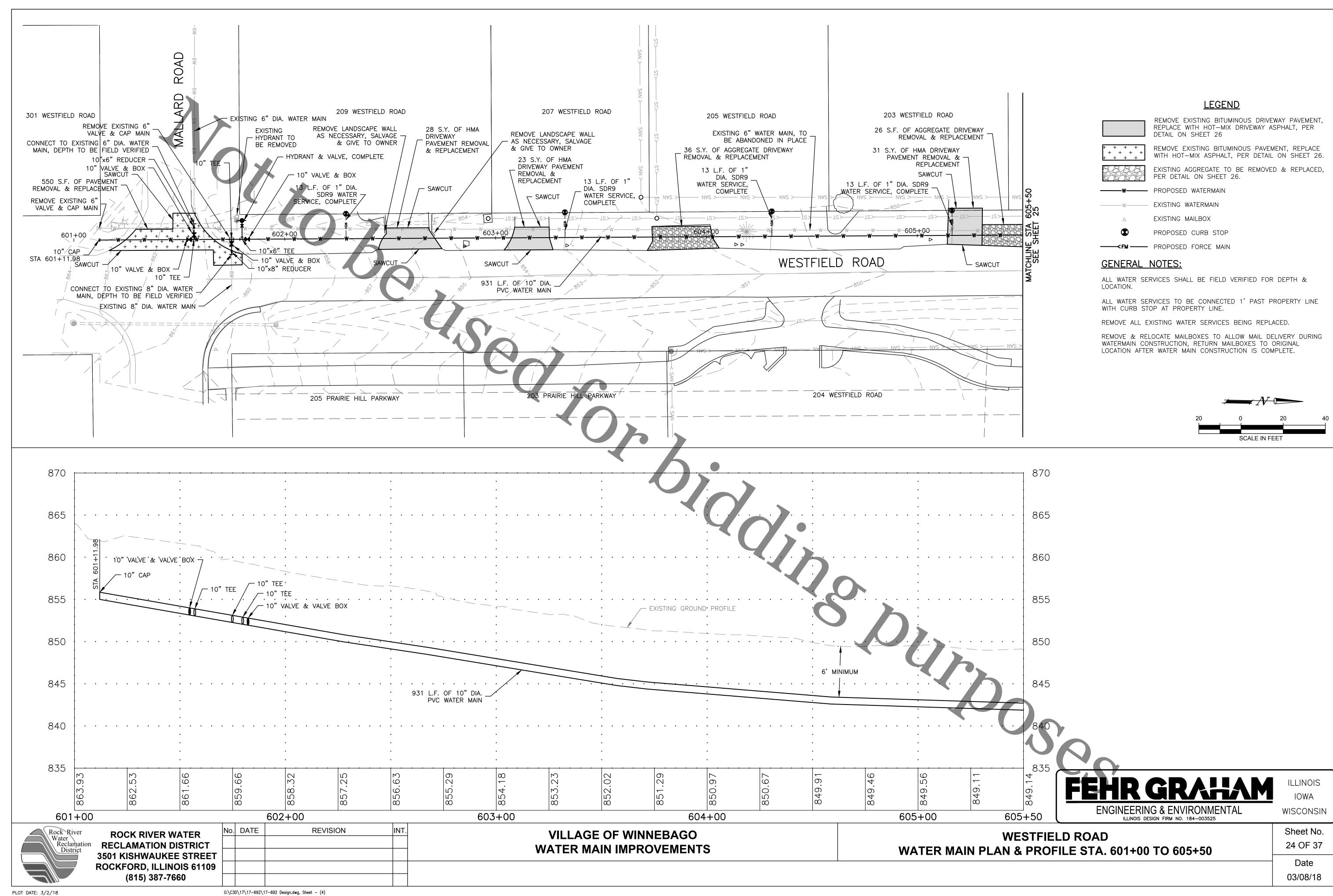
Date 03/08/18

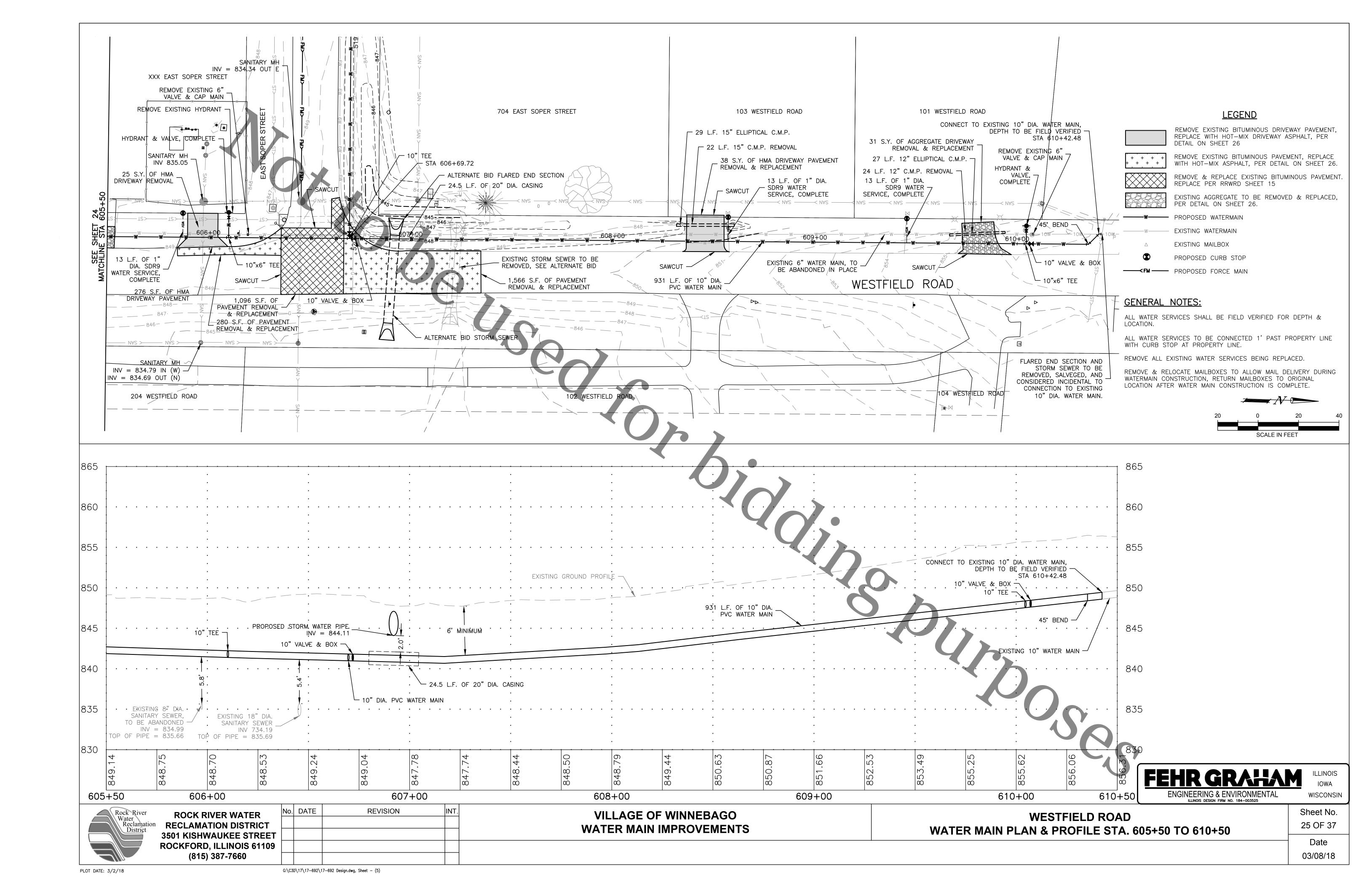
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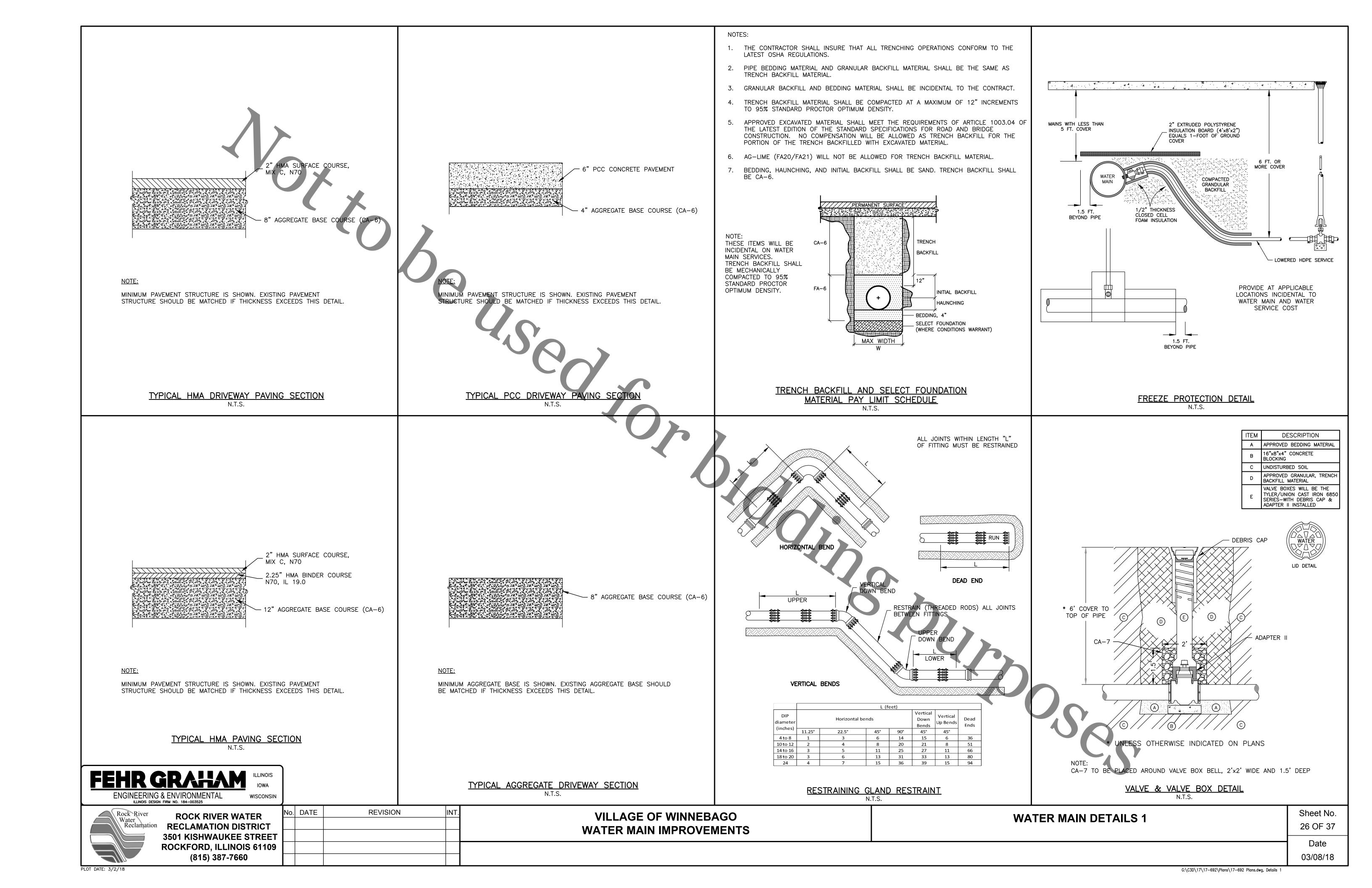


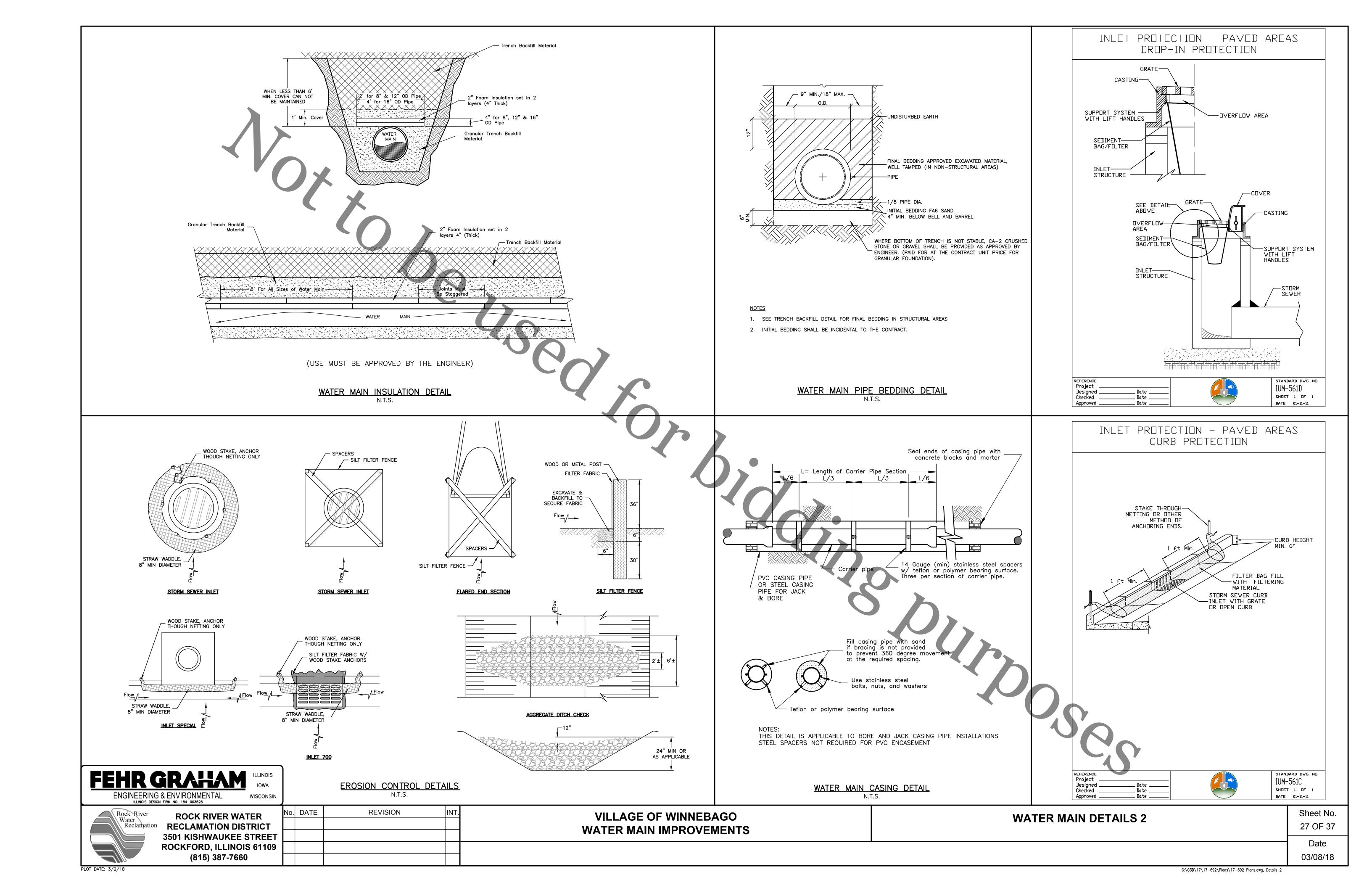


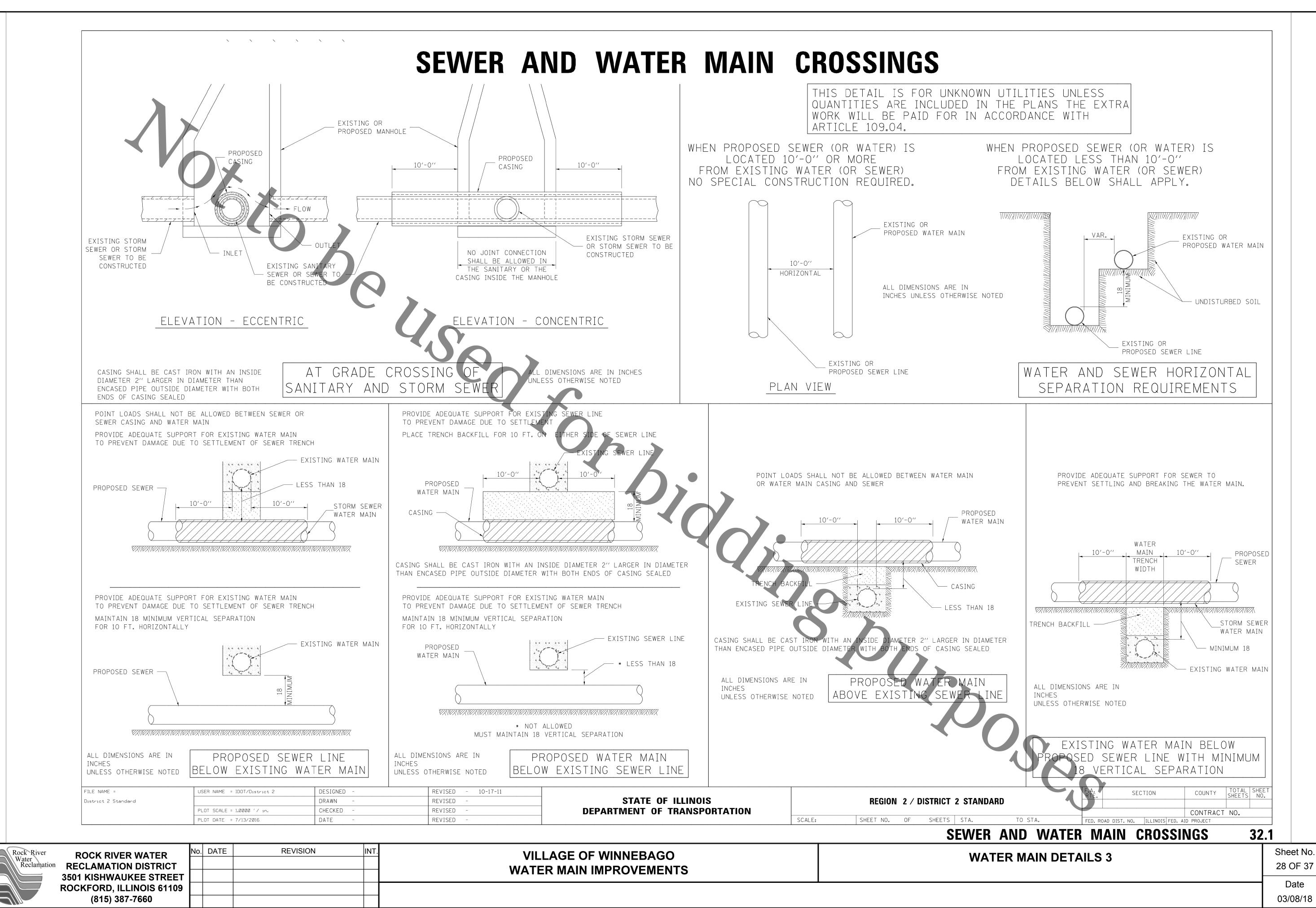




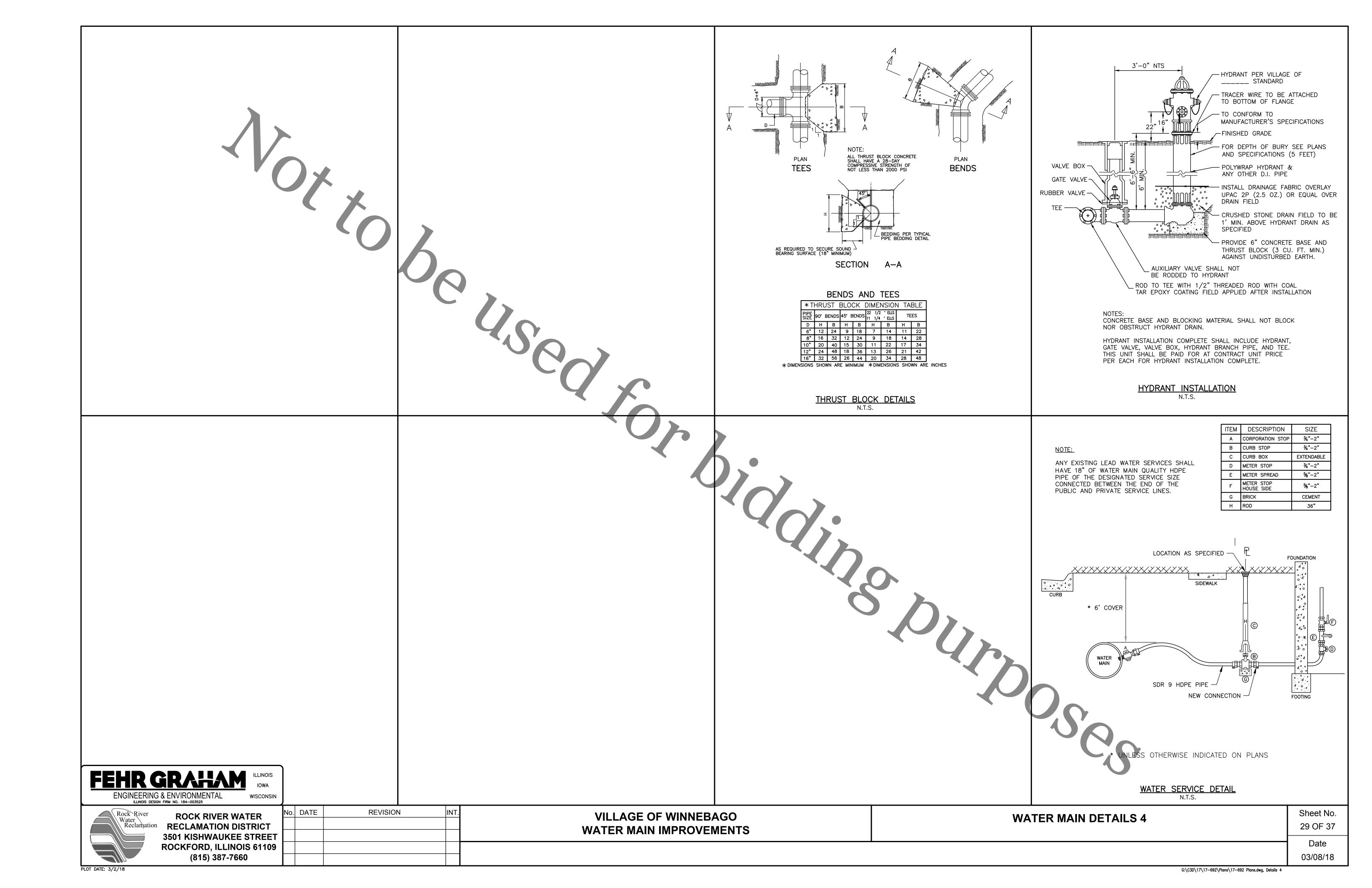








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WESTFIELD CULVERT REPLACEMENT

FOR

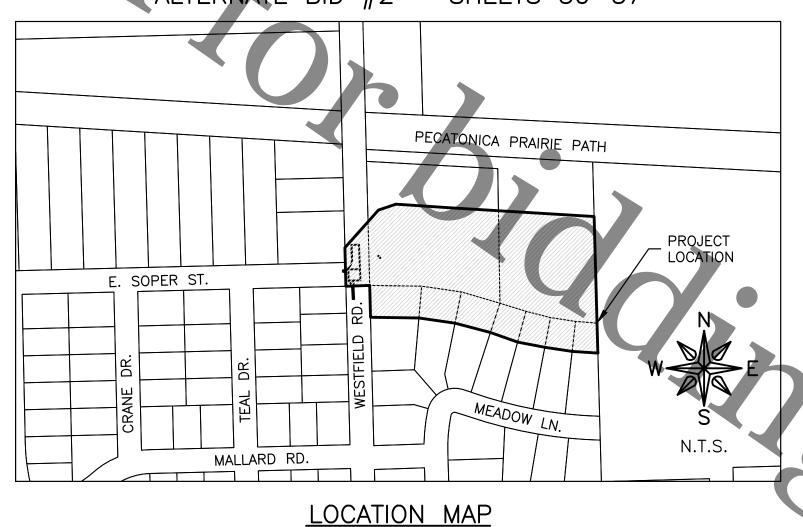
VILLAGE OF WINNEBAGO WINNEBAGO, ILLINOIS

PROPOSED DRAINAGE PLANS

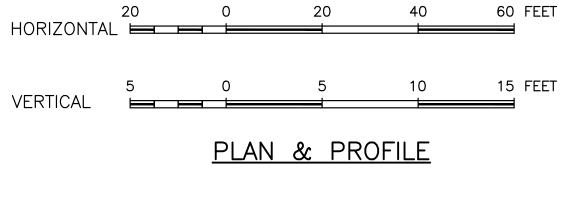
ROUTE: WESTFIELD ROAD

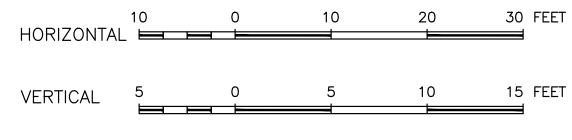
WINNEBAGO COUNTY

ALTERNATE BID #2 - SHEETS 30-37



rWINNEBAGO STATE OF JLLINOIS





CROSS SECTIONS

<u>SHEETS 30-37</u>

SIGNATURE DATE

FOR CONSTRUCTION

ORIGINA	L SET FOR PROJECT:	17-693		DATE CREATED:	0.	3/08/
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Sheet List Table

DRAINAGE CHANNEL PLAN AND PROFILE

GENERAL NOTES 1

SITE PLAN

Sheet Number 30

	UTILITIES				
UTILITY TYPE	COMMON NAME				
WATER	VILLAGE OF WINNEBAGO PUBLIC WORKS DEPARTMENT				
SEWER	RRWRD				
ELECTRIC	COMMONWEALTH EDISON				
TELEPHONE	AT&T AND MEDIACOM				
SEWER	ROCK RIVER WATER RECLAMATION DISTRICT				
GAS	NICOR				
CABLE	COMCAST COMMUNICATIONS				

(CONTRACTOR TO BE RESPONSIBLE FOR ANY ADJUSTMENTS TO BE MADE)



FEHR GRAHAM **ENGINEERING & ENVIRONMENTAL**

ILLINOIS

IOWA

WISCONSIN

ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER: 184003525

GENERAL NOTES

- 1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MUNICIPAL CODE, VILLAGE OF WINNEBAGO, ILLINOIS, CURRENT EDITION, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION, "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," CURRENT EDITION, SPECIAL PROVISIONS AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. SIGN CONSTRUCTION AND PAVEMENT MARKINGS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", CURRENT EDITION.
- 2. IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "ENGINEER", WHICH SHALL MEAN FEHR GRAHAM OR THEIR DULY AUTHORIZED AGENT. IN THESE CONTRACT DOCUMENTS MENTION IS MADE OF THE "OWNER", WHICH SHALL MEAN VILLAGE OF WINNEBAGO, OR THEIR DULY AWARDED AGENT.
- 3. AS PART OF THE BIDDING PROCEDURE, THE CONTRACTOR SHALL VERIFY THAT THE QUANTITIES FOR PAY ITEMS, AS PRESENTED IN THESE PLAN DOCUMENTS, ARE SUBSTANTIALLY CORRECT. IF DISCREPANCIES ARE DETECTED, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF THE DISCREPANCY PRIOR TO THE BID DATE.
- 4. QUANTITIES SHOWN ARE ESTIMATES FOR INFORMATION ONLY, PAYMENT WILL BE BASED ON ACTUAL QUANTITIES MEASURED IN THE FIELD OR ON PAYMENT LIMIT DETAILS.
- 5. THE CONTRACTOR SHALL BE PAID FOR MATERIALS AND EQUIPMENT SUCCESSFULLY INSTALLED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS AS MEASURED OR VERIFIED IN PLACE BY THE ENGINEER OR HIS AGENT.
- 6. IN CASE OF CONFLICT BETWEEN THE ABOVE MENTIONED SPECIFICATIONS, THE ENGINEER SHALL DETERMINE WHICH OF THE SPECIFICATIONS SHALL GOVERN. THE ENGINEER'S DECISION SHALL BE FINAL AND NO ADDITIONAL COMPENSATION SHALL BE AWARDED UNLESS APPROVED BY THE ENGINEER.
- 7. THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY THE OWNER. IMPROVEMENT REPRESENTATIONS AS SHOWN ON THESE PLANS, ARE AS ACCURATE AS POSSIBLE FROM THE INFORMATION AVAILABLE. HOWEVER SOME FIELD REVISIONS MAY BE REQUIRED TO ACCOMMODATE UNFORESEEN CIRCUMSTANCES - THE ENGINEER SHALL BE ADVISED OF ANY NECESSARY REVISIONS WITH SUFFICIENT LEAD TIME ALLOWED TO PROPERLY CONSIDER AND ACT UPON SAID REQUESTS. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED IN CONSTRUCTING THOSE IMPROVEMENTS AS DETAILED IN THIS ENGINEERING PLAN.
- 8. THE ENGINEER SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE OR REJECT THE WORKMANSHIP WHICH GO TO MAKE UP IMPROVEMENTS AS DETAILED IN THESE PLANS AND SPECIFICATIONS.
- 9. GENERAL SAFETY PROVISION: TO PROVIDE DRIVERS WITH SAFE TRAVEL CONDITIONS DURING THE CONSTRUCTION PROJECT, AND TO PROVIDE SAFE WORKING CONDITIONS FOR ALL EMPLOYEES, THE RULES, REGULATIONS, AND CONDITIONS STATED BELOW WILL PREVAIL FOR THE DURATION OF THIS CONTRACT. ANY EMPLOYEE OF THE CONTRACTOR OR HIS SUBCONTRACTORS WHO REFUSES TO COMPLY WITH THESE GENERAL SAFETY PROVISIONS SHALL BE REMOVED FROM THE JO SITE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. THE CONTRACTOR AND ANY SUBCONTRACTORS RETAINED BY HIM SHALL COMPLY WITH THE STATE AND FEDERAL REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA), JULY 1, 1987 AS IT RELATES TO CONTRACTOR'S OPERATIONS.
- 10. THE CONTRACTOR SHALL COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR WILL NOT BE ALLOWED TO BUILD FIRES ON THE SITE.
- 11. THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS NOT THE REDUCED SIZE PLANS.
- 12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER. COST OF MAINTAINING DRAINAGE FLOWS SHALL BE INCIDENTAL TO THE CONTRACT.
- 13. WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR DISTURBED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS, MONUMENTS AND RIGHT-OF-WAY PINS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS. REPLACEMENT OF MONUMENTS WILL BE DETERMINED BY THE ENGINEER.
- 14. THE CONTRACTOR SHALL REMOVE, STORE, AND RELOCATE TO THE SATISFACTION OF THE ENGINEER ALL EXISTING SIGNAGE IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS, AND CONSIDER THIS AS INCIDENTAL TO THE CONTRACT.
- 15. OUTSIDE THE EXISTING RIGHT-OF-WAY, THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING SIGNS OUTSIDE THE RIGHT-OF-WAY. ANY SIGNS REMOVED FOR CONSTRUCTION PURPOSES SHALL BE CAREFULLY REMOVED AND RE-ERECTED BY THE CONTRACTOR AT A LOCATION NEAREST TO THE ORIGINAL LOCATION, OR AT A LOCATION DETERMINED BY THE ENGINEER IN THE FIELD. REMOVAL AND RE-ERECTED SIGNS AND ANY DAMAGE DONE TO EXISTING SIGNS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 16. ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE. MATERIALS AND LABOR NOT SPECIFICALLY IDENTIFIED SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 17. AT THE END OF EACH DAY, THE CONTRACTOR SHALL SECURE THE CONSTRUCTION WORK ZONE FROM POTENTIAL INTRUDERS.
- 18. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION. ELEVATION AND SIZE OF EXISTING UTILITIES. AND VERIFY PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
- 19. THE CONTRACTOR SHALL CONTACT THE ENGINEER OF ANY ERRORS OR DISCREPANCIES WHICH MAY BE SUSPECTED IN LINES AND GRADES, AND SHALL NOT PROCEED WITH THE WORK UNTIL ALL LINES AND GRADES WHICH ARE BELIEVED TO BE IN ERROR HAVE BEEN VERIFIED OR CORRECTED BY THE ENGINEER OR HIS REPRESENTATIVE.
- 20. THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS. METHODS. TECHNIQUES. SEQUENCE OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF THEIR WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
- 21. ALL ITEMS TO BE REMOVED AND NOT DEFINED AS A PAY ITEM SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 22. ALL EXCESS EARTH EXCAVATION, EXCESS MATERIALS, OR OTHER REMOVED ITEMS SHALL BE HAULED OFF-SITE AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE APPROVED BY THE OWNER.
- 23. THIS WORK SHALL BE IN ACCORDANCE WITH SECTION 201 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL OBSTRUCTIONS, TREES, DEBRIS AND BRUSH AS DESIGNATED BY THE OWNER AND AS INDICATED ON THE PLANS. ALL MATERIALS SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. DURING CONSTRUCTION, CARE SHALL BE TAKEN TO MINIMIZE DAMAGE TO THE EXISTING TREES AND LANDSCAPING. ONLY THOSE ITEMS DESIGNATED BY THE OWNER SHALL BE REMOVED.
- 24. ALL ROADWAY REMOVAL ITEMS SHALL CONFORM TO THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. ALL JOINTS BETWEEN THE PORTION REMOVED AND THAT LEFT IN PLACE SHALL BE SAWED TO SUCH A DEPTH THAT A CLEAN, NEAT EDGE WILL RESULT WITH NO SPALLING TO THE REMAINING PORTION. THE COST OF SAWING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. ADDITIONAL SAWING OR RE-SAWING MAY BE REQUIRED AS DIRECTED BY THE ENGINEER WITH NO ADDITIONAL COMPENSATION BEING ALLOWED. THE COST OF SAWCUTTING THE EXISTING PAVEMENT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL NOTES

- 25. WHEN ARTIFICIAL LIGHTING IS UTILIZED DURING NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC, AS WELL AS ADJOINING RESIDENTIAL AREAS.
- 26. THE CONTRACTOR IS REQUIRED TO STAY WITHIN THE NOTED PROPERTY BOUNDARIES RIGHT-OF-WAY AND EASEMENTS AS SHOWN IN THE PLANS. ANY ADDITIONAL EASEMENTS SHALL BE SECURED BY THE CONTRACTOR AT NO EXTRA COST.
- 27. ANY AREAS DAMAGED OR DISTURBED DURING THE PROJECT AS A DIRECT OR INDIRECT RESULT OF CONTRACTOR OPERATIONS, SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION. THE COST OF SAID RESTORATION OR REPAIR SHALL BE BORNE TOTALLY BY THE CONTRACTOR, WITH NO EXTRA COMPENSATION BEING AWARDED UNDER THIS CONTRACT. THE RESPONSIBILITY FOR THE REPAIR OR REPLACEMENT OF ANY UTILITY, STRUCTURE, LANDSCAPING, ETC., DAMAGED OR DESTROYED BY THE CONTRACTOR DURING MOBILIZATION OR CONSTRUCTION SHALL BE BORNE SOLELY BY THE CONTRACTOR, WITH NO EXPENSE BEING CHARGED TO THE ENGINEER OR OWNER. PRIOR TO ACCEPTANCE OF THIS REPAIR OR REPLACEMENT. THE CONTRACTOR SHALL PRESENT THE OWNER WITH A "SIGNOFF LETTER" SIGNED BY A RESPONSIBLE OFFICIAL OF THE OWNER OF THE DAMAGED UTILITY STATING THAT THE REPAIR OR REPLACEMENT IS ACCEPTABLE.

CONSTRUCTION STAKING

CONSTRUCTION STAKING SERVICES WILL BE PROVIDED BY THE OWNER. STAKE POINTS WILL BE STAKED ONE TIME WHEN REQUESTED BY THE CONTRACTOR. THE SAME STAKE POINTS REQUESTED BY THE CONTRACTOR A SECOND TIME WILL BE PAID FOR BY THE CONTRACTOR.

EROSION CONTROL NOTES

- UNLESS OTHERWISE SPECIFIED, ALL EROSION AND SEDIMENT CONTROL MEASURES AND THEIR MAINTENANCE, CLEARING AND REMOVAL SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- 2. THIS WORK SHALL CONFORM TO THE APPLICABLE STANDARDS FROM THE ILLINOIS URBAN MANUAL, THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION, CURRENT EDITION, THE PROJECT SPECIFICATIONS, AND THE APPROPRIATE
- 3. A NOTICE OF INTENT (NOI) AND A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) WILL BE COMPLETED AND SUBMITTED TO THE ILLINOIS EPA BY THE OWNER PRIOR TO CONSTRUCTION.
- 4. THE SWPPP SHALL BE CONSIDERED PART OF THE CONTRACT DOCUMENTS AND WILL BE AVAILABLE FOR REVIEW DURING THE BIDDING PROCESS.
- A COPY OF THE SWPPP WILL BE PROVIDED TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL MAINTAIN ONE COPY OF THE SWPPP AT THE CONSTRUCTION SITE AT ALL TIMES DURING WORKING HOURS FROM THE DATE OF PROJECT INITIATION THE DATE OF FINAL STABILIZATION.
- CONTRACTOR SHALL LEGIBLY MARK ANY CHANGES OR REVISIONS IMPLEMENTED TO THE SWPPP. AT COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL DELIVER THE SWPPP (INCLUDING ALL REVISIONS, RECORDS, AND INSPECTION
- 7. THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR RESPONSIBLE FOR SEDIMENT AND EROSION CONTROL MEASURES OR CONSTRUCTION ACTIVITIES THAT DISTURB SITE SOIL WILL BE REQUIRED TO CERTIFY THE SWPPP BEFORE A NOTICE TO PROCEED IS ISSUE
- 8. A COPY OF THE LETTER OF NOTIFICATION OF COVERAGE, AND THE GENERAL NPDES PERMIT NO. ILR10 MUST BE POSTED IN A PROMINENT PLACE FOR PUBLIC VIEWING AT THE CONSTRUCTION SITE BY THE GENERAL CONTRACTOR.
- 9. THE CONTRACTOR SHALL IMPLEMENT THE EROSION AND SEDIMENT CONTROL MEASURES AS INDICATED ON THESE EROSION CONTROL PLANS AND IN THE SWPPP BEFORE CONSTRUCTION BEGINS.
- 10. THE CONTROLS SHALL BE INSTALLED AS DETAILED AND WHERE INDICATED ON THE EROSION CONTROL PLAN SHEETS AND AS DIRECTED BY THE INSPECTOR.
- 11. SITE ACTIVITIES SHOULD ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE PRACTICABLE.
- 12. EXCEPT AS PROVIDED IN THE SWPPP, DISTURBED PORTIONS OF THE SITE SHALL BE STABILIZED (TEMPORARILY OR PERMANENTLY SEEDED, MULCHED, SODDED OR PAVED) AS SOON AS PRACTICABLE, BUT IN NO CASE MORE THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
- 13. UNTIL SUCH TIME AS THE PROJECT SITE REACHES FINAL STABILIZATION AND A NOTICE OF TERMINATION IS FILED BY THE OWNER, THE CONTRACTOR SHALL BE RESPONSIBLE TO ADJUST, REPAIR, OR REPLACE, ALL VEGETATION, EROSION CONTROLS, SEDIMENT CONTROLS, AND ANY OTHER PROTECTIVE MEASURES AS REQUIRED IN ORDER TO MAINTAIN THEIR INTENDED FUNCTION IN A GOOD AND EFFECTIVE OPERATING CONDITION.
- 14. EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER EXPECTED DURIN CONSTRUCTION PROCESS THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ARE IDENTIFIED IN THE SWPPP. THESE DISCHARGES SHALL BE DIRECTED AWAY FROM UNPROTECTED, BARE, OR OTHERWISE UNSTABILIZED SOIL, AND APPROPRIATE POLLUTION PREVENTION MEASURES SHALL BE IMPLEMENTED SO THAT THESE DISCHARGES DO NOT CAUSE EROSION OR DEGRADE THE QUALITY OF RUNOFF FROM THE CONSTRUCTION SITE.
- 15. REGULAR INSPECTIONS WILL BE MADE AS REQUIRED UNDER THE GENERAL NPDES PERMIT NO. ILR10 AND SPECIFIED IN THE SWPPP. A QUALIFIED INSPECTOR WILL BE PROVIDED BY THE OWNER. BASED ON THE RESULTS OF THE INSPECTIONS, POLLUTION PREVENTION MEASURES SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER EACH INSPECTION. SUCH REVISIONS SHALL BE IMPLEMENTED WITHIN 7 CALENDAR DAYS FOLLOWING EACH INSPECTION.
- 16. THE INSPECTOR SHALL HAVE AUTHORIZATION TO DETERMINE THE ADEQUACY OF THE CONTRACTOR'S EROSION CONTROL EFFORTS. THE OWNER OR THE INSPECTOR SHALL HAVE FULL AUTHORITY OVER THE GENERAL CONTRACTOR AND ANY SUBCONTRACTOR TO CAUSE POLLUTANT CONTROL MEASURES TO BE REPAIRED, MODIFIED, MAINTAINED, SUPPLEMENTED, OF WHATEVER ELSE IS NECESSARY IN ORDER TO ACHIEVE EFFECTIVE POLLUTANT CONTROL OR TO SUSPEND OR LIMIT THE CONTRACTORS OPERATIONS PENDING ADEQUATE PERFORMANCE.
- 17. PERIMETER EROSION BARRIER TO BE CONSTRUCTED OF SILT FENCE UNLESS NOTED OTHERWISE.
- 18. INLET PROTECTION SHALL BE A DANDY BAG, DANDY SACK, ROCSOC, OR APPROVED EQUAL.
- 19. EROSION CONTROL BLANKET SHALL BE OF NORTH AMERICAN GREEN DS75 OR APPROVED EQUAL.
- 20. A TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE CONSTRUCTED AT A LOCATION APPROVED BY THE ENGINEER WASHOUT FACILITY SHALL BE UTILIZED FOR ALL APPLICABLE OPERATIONS.

EROSION CONTROL NOTES

- 21. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED, TO THE DIMENSIONS AS SHOWN, AT APPROVED LOCATIONS FOR THIS PROJECT. ALL CONSTRUCTION TRAFFIC MUST UTILIZE THE STABILIZED CONSTRUCTION ENTRANCES WHEN EXITING THE SITE. ALL COST FOR EROSION CONTROL AND RESTORATION WORK ASSOCIATED WITH THE APPROVED STABILIZED CONSTRUCTION ENTRANCES SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 22. TEMPORARY EROSION CONTROL MEASURES INCLUDE TEMPORARY DITCH CHECKS, PERIMETER EROSION BARRIER, INLET AND PIPE PROTECTION, TEMPORARY SEEDING, AND ANY OTHER TEMPORARY EROSION CONTROL MEASURE NEEDED TO LIMIT THE AMOUNT OF SOIL EROSION AND SEDIMENTATION DURING CONSTRUCTION.
- 23. AT THE COMPLETION OF THE PROJECT, ALL TEMPORARY EROSION CONTROL ITEMS SHALL BE REMOVED FROM THE SITE, AND BECOME THE PROPERTY OF THE CONTRACTOR. CONTRACTOR MUST STABILIZE ANY AREA DISTURBED BY THE REMOVAL OF EROSION CONTROL ITEMS.
- 24. CONTRACTOR SHALL CLEAN ANY DEBRIS TRACKED OFFSITE DAILY.

SEEDING OF DISTURBED AREAS

- 1. THE FINAL TOP 6" INCHES OF SOIL IN ANY DISTURBANCE AREA MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION.
- 2. FERTILIZER HAVING AN ANALYSIS OF 10-10-10 SHALL BE APPLIED AT A RATE OF 90 LBS/ACRE TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SOWING THE SEED.
- 3. THE CONTRACTOR SHALL SEED AND STABILIZE ALL DISTURBED AREAS ADJACENT TO IMPROVEMENTS WITH SEEDING, IDOT CLASS 1A AND NAG DS75 EROSION CONTROL BLANKET OR APPROVED EQUAL IN ACCORDANCE WITH IDOT STANDARD SPECIFICATION OR AS APPROVED BY THE ENGINEER.
- 4. GUARANTEE: ALL SEEDED AREAS SHALL BE MAINTAINED AND MOWED FOR AT LEAST 30 DAYS AFTER GERMINATION. SCATTERED BARE SPOTS NO LARGER THAN TWO SQUARE FOOT WILL BE ALLOWED UP TO A MAXIMUM OF 5% OF ANY SEEDED AREA INCLUDING 30-DAY MAINTENANCE, MOWING AND WATERING AS NECESSARY.
- 5. THIS WORK SHALL CONFORM TO THE APPLICABLE STANDARDS FROM THE ILLINOIS URBAN MANUAL, THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION SECTIONS, CURRENT EDITION, THE PROJECT SPECIFICATIONS, AND THE APPROPRIATE DETAILS.
- 6. RESTORATION THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED DURING CONSTRUCTION OF THE IMPROVEMENTS AND RELATED APPURTENANCES OR AS PART OF ANY OF THEIR ACTIVITIES TO A CONDITION EQUAL TO OR BETTER THAN THE ORIGINAL CONDITION.

SUMMARY OF QUANTITIES

No.	Description	Quantity	Unit
1	GRADING & SHAPING	4.5	ACRE
2	PAVEMENT REMOVAL	206	SY
3	RESTORATION AND SEEDING, WESTFIELD DRAINAGE	1	LS
4	EROSION & SEDIMENT CONTROL, WESTFIELD DRAINAGE	1	LS
5	STONE RIP RAP, RR4	6	SY
6	PIPE CULVERTS, CLASS D, TYPE 1, 57"X38" (ELLIPTICAL)	60	LF
7	METAL END SECTION, 57"X38" (ELLIPTICAL)	2	EA
8	HMA PATH, COMPLETE	62	SY
9	6" CONCRETE SIDEWALK, COMPLETE	414	SF
10	HMA SURFACE COURSE, MIX "C", N50, IL-9.5	23	TON
11	HMA BINDER COURSE, N50, IL-19.0	26	TON
12	AGGREGATE BASE COURSE, TYPE B	155	TON
13	TRAFFIC CONTROL & PROTECTION, WESTFIELD DRAINAGE	1	LS



ILLINOIS IOWA

WISCONSIN

VILLAGE OF WINNEBAGO 108 WEST MAIN STREET WINNEBAGO, ILLINOIS 61088

OWNER/DEVELOPER:

PROJECT AND LOCATION:

WESTFIELD CULVERT REPLACEMENT WINNEBAGO, ILLINOIS

ALTERNATE BID #2

DRAWN BY: AJB APPROVED BY: MWG DATE: 03/08/18 SCALE: AS NOTED

REVISIONS REV. NO. DATE DESCRIPTION

DRAWING: GENERAL NOTES 1

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JOB NUMBER: 17-693

SHEET NUMBER:

SET TYPE: FOR CONSTRUCTION **31** of **37**

STORM SEWER

- 1. STORM SEWERS THAT CROSS OVER ANY PROPOSED WATER MAIN SHALL BE CONSTRUCTED WITH RUBBER GASKETED JOINTS (ASTM C443).
- 2. ALL EXISTING MANHOLE CONNECTIONS MUST BE CORE-DRILLED, UNLESS A PRE-CORED HOLE, SUITABLY LOCATED, EXISTS IN THE MANHOLE.
- 3. THE LENGTH OF FLARED END SECTIONS IS NOT INCLUDED IN THE INDICATED PIPE LENGTH. HOWEVER, THE ENTIRE LENGTH OF THE FLARED END SECTION IS TAKEN INTO ACCOUNT FOR THE INDICATED SLOPE AND INVERT GRADES.
- 5. CONTRACTOR SHALL FURNISH ALL PIPE BEDDING. PIPE BEDDING MATERIAL SHALL BE AS SHOWN IN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. COST SHALL BE INCLUDED IN UNIT PRICE OF PIPE.
- 6. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING STORM SEWER ELEVATIONS THAT PROJECT CONNECTS TO.

<u>UTILITIES</u>

- 1. UTILITIES SHOWN ON THE PLANS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND NO GUARANTEE OF THEIR ACCURACY IS MADE OR INFERRED. THE LOCATION OF EXISTING UTILITIES AS SHOWN ON THE DRAWINGS REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL—INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATION INTO THE LOCATION, SIZE, DEPTH AND NATURE OF ANY AND ALL EXISTING UTILITIES THAT MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES THAT ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ANY AND ALL UTILITY COMPANIES REGARDING ADJUSTMENTS NECESSARY. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE AND CONSIDERED INCIDENTAL TO THE PROJECT COST. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND, OVERHEAD, OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER OR THE OWNER OR REPLACED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- 2. THE CONTRACTOR MUST VERIFY AND LOCATE ALL EXISTING UTILITIES ON OR ADJACENT TO THE SITE. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, CONTACT J.U.L.I.E. AT 1-800-892-0123 (OR 811) FOR EXACT FIELD LOCATION OF UTILITIES. DAMAGE, AND THE COST THEREOF, TO ANY AND ALL UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. ANY AND ALL EXISTING UTILITIES SHOWN HEREON ARE APPROXIMATE. THE ENGINEER AND SURVEYOR ASSUMES NO RESPONSIBILITY FOR THE LOCATION OF THE EXISTING UTILITIES SHOWN HEREON.
- 3. IF THERE ARE ANY UTILITIES WHICH ARE NOT MEMBERS OF THE J.U.L.I.E. SYSTEM, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THIS AND REQUESTING SAID UTILITIES TO FIELD VERIFY AND MARK PERTINENT UTILITY LOCATIONS.
- 4. THE UTILITY LOCATIONS, DEPTHS, ETC. SHOWN ON THESE PLANS ARE APPROXIMATE ONLY, AND SHALL BE VERIFIED BY THE CONTRACTOR WITH ALL AFFECTED UTILITY COMPANIES PRIOR TO INITIATING CONSTRUCTION OPERATIONS; THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY FOR THE ADEQUACY, SUFFICIENCY OR EXACTNESS OF THESE UTILITY REPRESENTATIONS.
- 5. THE CONTRACTOR SHALL CONTACT THE NECESSARY UTILITY COMPANIES FOR ANY UTILITY RELOCATIONS. THE CONTRACTOR SHALL PAY FOR ALL COSTS ASSOCIATED WITH RELOCATION OF UTILITIES ON OR ADJACENT TO THE SUBJECT PROPERTY OR WITHIN THE ROAD RIGHT-OF-WAY.
- 6. TRENCH BACKFILL SHALL BE FILL MATERIAL TYPE A (GRAVEL OR CA6 CRUSHED STONE.) OR TYPE C (SAND FA-1 OR SAND FA-2) IN ACCORDANCE WITH AASHTO T27 GUIDELINES AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION. COST SHALL BE INCLUDED IN UNIT PRICE OF PIPE.
- 7. TRENCH BACKFILL SHALL BE USED IN LOCATIONS WHERE THERE IS AN EXISTING OR PROPOSED PERMANENT SURFACE.
- 8. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION OR HAVE THE POTENTIAL FOR CREATING FUTURE PROBLEMS SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE PROJECT AT AN APPROVED LOCATION OBTAINED BY THE CONTRACTOR, ACCORDING TO THE "STANDARD SPECIFICATIONS FOR WATER & SEWER CONSTRUCTION IN ILLINOIS", CURRENT EDITION, AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9. ANY AND ALL FIELD TILES AND OR STORM SEWERS DAMAGED OR ENCOUNTERED DURING THE CONSTRUCTION ACTIVITIES SHALL BE REPAIRED, REPLACED AND/OR CONNECTED IMMEDIATELY BY THE CONTRACTOR. COST FOR SAID REPAIRS, REPLACEMENT, AND/OR CONNECTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

TRAFFIC CONTROL

- 1. THE CONTRACTOR SHALL PROVIDE, INSTALL AND MAINTAIN ALL TRAFFIC CONTROL ITEMS NECESSARY FOR THE CONSTRUCTION OF ITEMS WITH IN THE ROAD RIGHT-OF-WAY. ALL WORK PERFORMED SHALL HAVE TRAFFIC CONTROL IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- 2. ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT. ALL SIGNS SHALL BE FURNISHED, INSTALLED AND MAINTAINED BY THE CONTRACTOR. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT.
- 3. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN CONDITIONS MAY REQUIRE THE ENGINEER TO MODIFY THE LOCATION OF THE TRAFFIC CONTROL DEVICES. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES FROM THE TIME OF NOTIFICATION BY THE ENGINEER TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION, IMPROVEMENT OR MODIFICATION OF THE MAINTENANCE OF TRAFFIC CONTROL DEVICES. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANES OPEN TO TRAFFIC FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE ADJACENT TRAVELED LANE SURFACE. COST INCIDENTAL TO THE PROJECT.
- 4. THE CONTRACTOR SHALL SUBMIT MAINTENANCE OF TRAFFIC AND STAGING OF CONSTRUCTION PLANS FOR APPROVAL BY THE ENGINEER PRIOR TO COMMENCING WORK.
- 5. THE CONTRACTOR SHALL PERFORM THE WORK UNDER STAGE CONSTRUCTION IN THE EVENT THAT THE CONTRACTOR WILL NEED TO CLOSE PUBLIC ROADS, CONTRACTOR SHALL SUBMIT PROPOSED DETOUR ROUTE AND ASSOCIATED SIGNAGE TO THE ENGINEER PRIOR TO COMMENCING WORK.
- 6. TRAFFIC CONTROL DEVICES, STREET NAME SIGNS, AND PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH VILLAGE OF WINNEBAGO ORDINANCES AND THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES". LOCATIONS OF SIGNS AND MARKINGS SHALL BE SPECIFIED BY THE PLANS, AND/OR AS DIRECTED BY THE ENGINEER.
- 7. PROVIDE TO THE ENGINEER AND THE OWNER THE NAME AND PHONE NUMBER OF INDIVIDUALS RESPONSIBLE FOR MAINTAINING TRAFFIC CONTROL MEASURES DURING CONSTRUCTION. THIS INDIVIDUAL SHALL BE AVAILABLE TO CORRECT TRAFFIC CONTROL PROBLEMS 24 HOURS PER DAY.
- 8. THE CONTRACTOR SHALL NOTIFY THE POST OFFICE, POLICE DEPARTMENT, FIRE DEPARTMENT, 911 DISPATCH CENTER, ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE POLICE, APPROPRIATE SCHOOL DISTRICT AND THE LOCAL AGENCY A MINIMUM OF 5 DAYS PRIOR TO CLOSING ANY PORTION OF THE STREET OR ALLEY.

SUBGRADES, SUBBASES, AND BASE COURSES

- 1. THE CONTRACTOR WILL BE REQUIRED TO SUBSTANTIATE BASE COURSE THICKNESSES AND FINISH PAVEMENT THICKNESSES. THE ENGINEER SHALL INSPECT BASE COURSE COREOUT PRIOR TO PLACING BASE COURSE TO ENSURE REQUIRED BASE COURSE DEPTH IS PRESENT. IN ADDITION, THE ENGINEER AND/OR THE CITY ENGINEER SHALL WITNESS THE PLACEMENT OF BITUMINOUS BINDER AND SURFACE COURSE. CORE DRILLING MAY BE REQUIRED TO DEMONSTRATE THAT BASE COURSE AND PAVEMENT THICKNESSES CONFORM TO THE SPECIFICATIONS. PRIOR TO PLACING BASE COURSE MATERIAL, THE CONTRACTOR SHALL TEST ROLL THE SUBGRADE, IN THE PRESENCE OF THE ENGINEER OR HIS AGENT TO DEMONSTRATE THAT SAID SUBGRADE IS READY FOR BASE. PRIOR TO PLACEMENT OF THE BITUMINOUS SURFACE, THE SAME VERIFICATION PROCEDURE SHALL BE PERFORMED ON THE BASE COURSE MATERIAL. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO PERFORMING ANY OF THE REQUIRED TESTS SO THAT A REPRESENTATIVE MAY BE PRESENT.
- 2. PRIOR TO ANY EMBANKMENT OR ROAD BASE BEING PLACED, SHOULD IT BE DETERMINED BY THE ENGINEER THAT THE SUBGRADE MATERIAL IS UNSUITABLE ON WHICH TO CONSTRUCT THE ROADWAY STRUCTURE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING THE UNSUITABLE MATERIAL TO THE SATISFACTION OF THE ENGINEER AND REPLACING SAME WITH STABILIZING SUBBASE CONSISTING OF SUBBASE GRANULAR MATERIAL, TYPE B IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. TO HELP MINIMIZE THE AMOUNT OF SUBBASE MATERIAL INSTALLED FOR GROUND STABILIZATION, GEOTECHNICAL FABRIC MAY BE INSTALLED AS APPROVED BY THE ENGINEER. FABRIC SHALL BE INSTALLED IN ACCORDANCE WITH ARTICLE 210 OF THE IDOT STANDARD SPECIFICATIONS. THE COARSE AGGREGATE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR SUBBASE GRANULAR MATERIAL, TYPE B. THE EXCAVATION AND DISPOSAL OF THE UNSUITABLE MATERIAL SHALL BE CONSIDERED INCIDENTAL TO SUBBASE GRANULAR MATERIAL, TYPE B. STABILIZING FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.

EXCAVATION/EARTHWORK

- 1. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATION NEAR ANY AND ALL EXISTING ITEMS WHICH ARE NOT INDICATED TO BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED AT NO ADDITIONAL EXPENSE TO THE OWNER.
- 2. PRIOR TO STARTING EARTHWORK OR UTILITY TRENCHING, THE CONTRACTOR SHALL STRIP THE SITE OF TOPSOIL TO A DEPTH OF 6" AND TO THE LIMITS APPROVED BY THE ENGINEER. THIS MATERIAL SHALL BE STOCKPILED IN A REMOTE LOCATION OF THE SITE (APPROVED BY THE ENGINEER) UNTIL THE PLAN IMPROVEMENTS ARE COMPLETED AND THE EXCESS MATERIAL SPREAD AS DIRECTED. IT SHALL THEN BE THE RESPONSIBILITY OF THE CONTRACTOR TO SPREAD THIS TOPSOIL MATERIAL IN AREAS OF THE SITE, OVER AREAS WHERE EXCESS EXCAVATED MATERIAL, SAND, GRAVEL HAS BEEN SPREAD OR IN OTHER AREAS AS DESIGNATED BY THE ENGINEER. THE MATERIAL SHALL THEN BE COMPACTED TO A MINIMAL DEPTH OF 6" AND FINE GRADED IN A MANNER ACCEPTABLE TO THE ENGINEER. THIS WORK SHALL BE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- 3. CLEAN CONSTRUCTION OR DEMOLITION DEBRIS (CCDD) REQUIREMENTS—"THE CONTRACTOR IS RESPONSIBLE FOR THE ASSESSMENT AND PROPER DISPOSAL OF ALL EXCESS SOIL AND SUBSURFACE MATERIALS THAT ARE NOT ABLE TO BE RE—USED ON THE PROJECT SITE AS SUITABLE CLEAN FILL. CONTRACTOR RESPONSIBILITY'S SHALL INCLUDE ALL REQUIRED SOIL SAMPLING, LABORATORY ANALYSIS, DISPOSAL PROFILING FEES, TRANSPORTATION, AND DISPOSAL TIPPING FEES AND SURCHARGES."
- 4. ROCK IS NOT ANTICIPATED TO BE ENCOUNTERED.
- 5. ALL EXCAVATIONS FOR STRUCTURES AND PIPE SHALL BE KEPT DEWATERED DURING CONSTRUCTION UNTIL BACKFILL IS IN PLACE. DURING DEWATERING OPERATIONS, WATER SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. (COST INCIDENTAL)
- 6. EARTH EXCAVATION SHALL CONFORM TO SECTION 202 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION. THIS WORK SHALL INCLUDE THE EXCAVATION OF ALL MATERIALS TO DESIGN SUBGRADE ELEVATIONS INDICATED IN THE PLANS.
- 7. A SOIL REPORT CAN BE PROVIDED IN AN ELECTRONIC FORMAT TO THE CONTRACTOR UPON REQUEST FROM THE OWNER.
- 8. A GEOTECHNICAL REPRESENTATIVE WILL BE PROVIDED BY THE OWNER FOR ANY REQUIRED TESTING. THE CONTRACTOR IS RESPONSIBLE TO FOLLOW AND MEET GUIDELINES SET BY THE GEOTECHNICAL REPRESENTATIVE.
- 9. SHEETING AND SHORING SHALL BE CONSIDERED INCIDENTAL TO CONTRACT IF REQUIRED.
- 10. ALL REMOVAL ITEMS, EXCESS EARTH EXCAVATION OR LEFT OVER MATERIALS SHALL BE DISPOSED OF BY CONTRACTOR AND SHALL BE INCIDENTAL TO THE PROJECT.
- 11. WHENEVER THE CONTRACTOR WORKS NEAR EXISTING FACILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATIONS, HE WILL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THESE FACILITIES. PUSH HOLES AND SEARCH HOLES THAT ARE DUG BY THE CONTRACTOR SHALL BE BACKFILLED BY TAMPING THE EXCAVATED MATERIAL BACK IN PLACE TO KEEP SETTLEMENT TO A MINIMUM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 12. EMBANKMENT WORK SHALL CONSIST OF THE CONSTRUCTION OF EMBANKMENTS BY DEPOSITING, PLACING AND COMPACTING EARTH, STONE, GRAVEL OR OTHER MATERIALS OF ACCEPTABLE QUALITY ABOVE THE NATURAL GROUND OR OTHER SURFACE IN ACCORDANCE WITH THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION IN ILLINOIS", CURRENT EDITION.
- 13. IF SUFFICIENT TOPSOIL IS NOT PRESENT, THE CONTRACTOR SHALL SPREAD FURNISHED TOPSOIL SO AS TO MEET THE REQUIREMENTS OF THE CONTRACT. FURNISHED TOPSOIL SHALL ONLY BE USED WITH APPROVAL BY THE ENGINEER. THIS FURNISHED TOPSOIL SHALL BE PAID FOR AS FURNISHED TOPSOIL IN PLACE, DEPTH SPECIFIED.
- 14. IN PROPOSED FILL AREAS FOR PAVEMENT AND EMBANKMENT, TOPSOIL AND TURF SHALL BE SCARIFIED AND REMOVED PRIOR TO CONSTRUCTING THE EMBANKMENT.



ILLINOIS IOWA

IOWA WISCONSIN OWNER/DEVELOPER:

VILLAGE OF WINNEBAGO

108 WEST MAIN STREET

WINNEBAGO, ILLINOIS 61088

PROJECT AND LOCATION:

WESTFIELD CULVERT REPLACEMENT WINNEBAGO, ILLINOIS

ALTERNATE BID #2

DRAWN BY: AJB
APPROVED BY: MWG
DATE: 03/08/18
SCALE: AS NOTED

REVISIONS

REV. NO. DESCRIPTION DATE

DRAWING:
GENERAL NOTES 2

SHEET NUMBER:

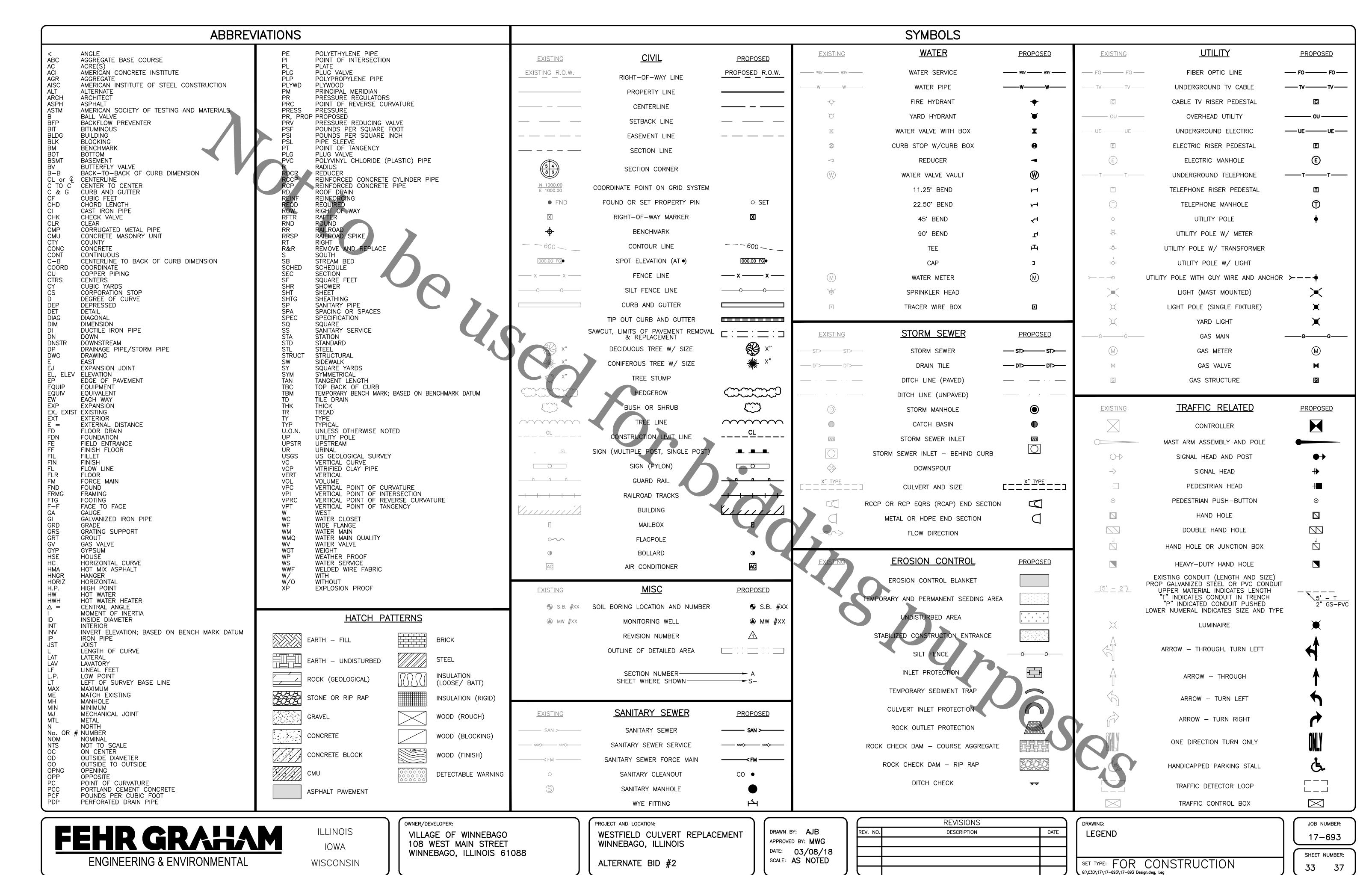
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JOB NUMBER:

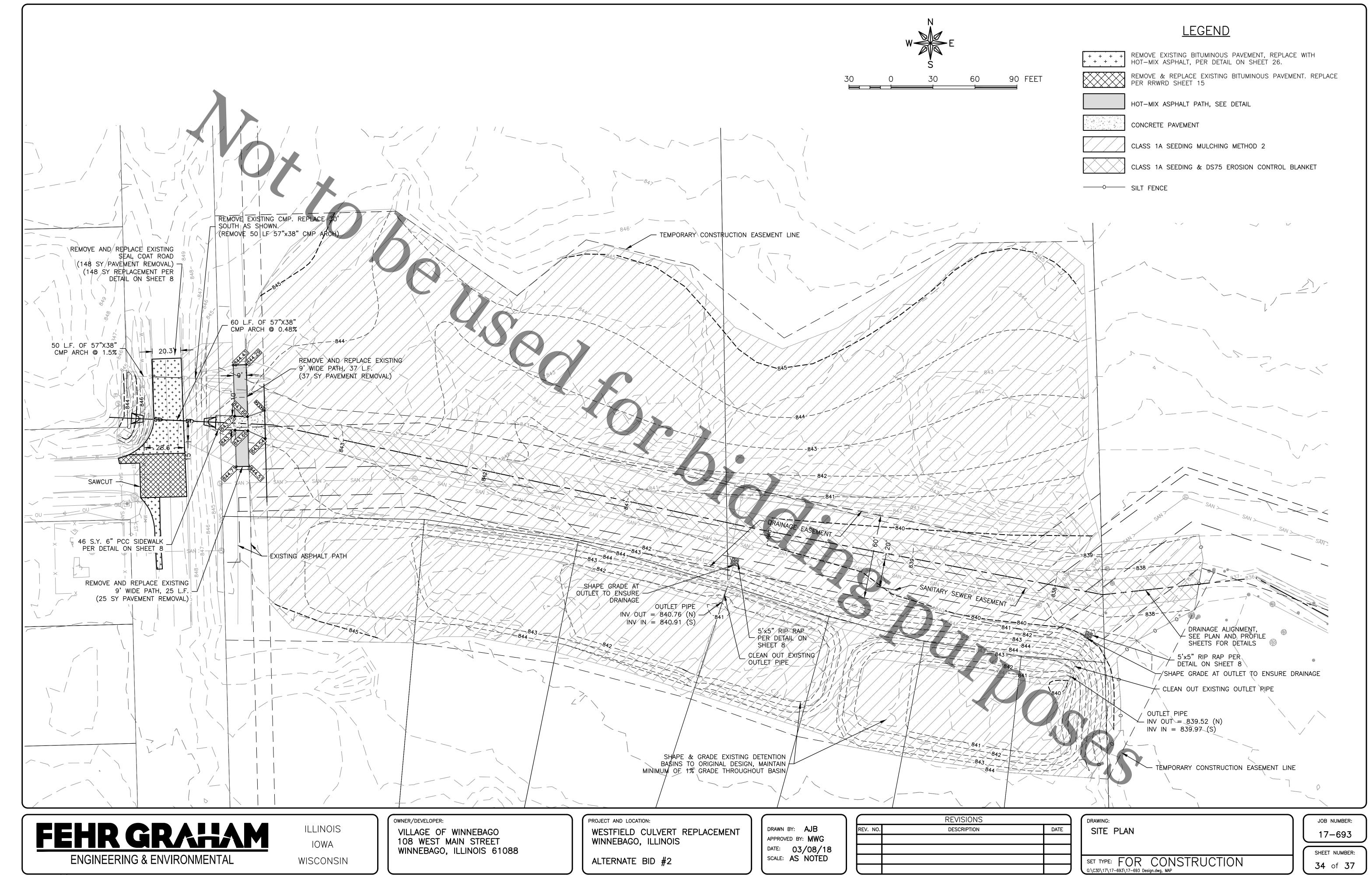
17-693

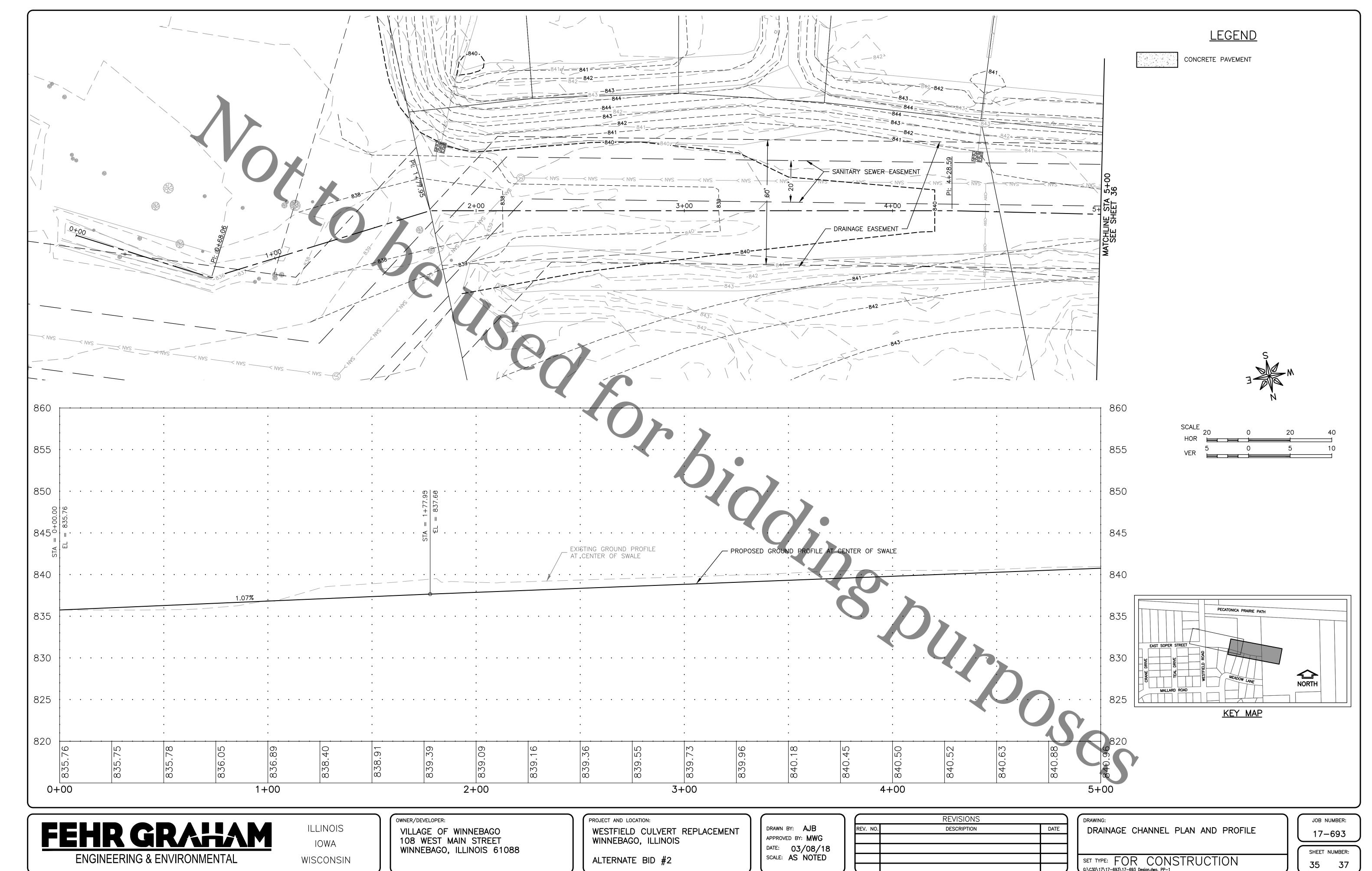
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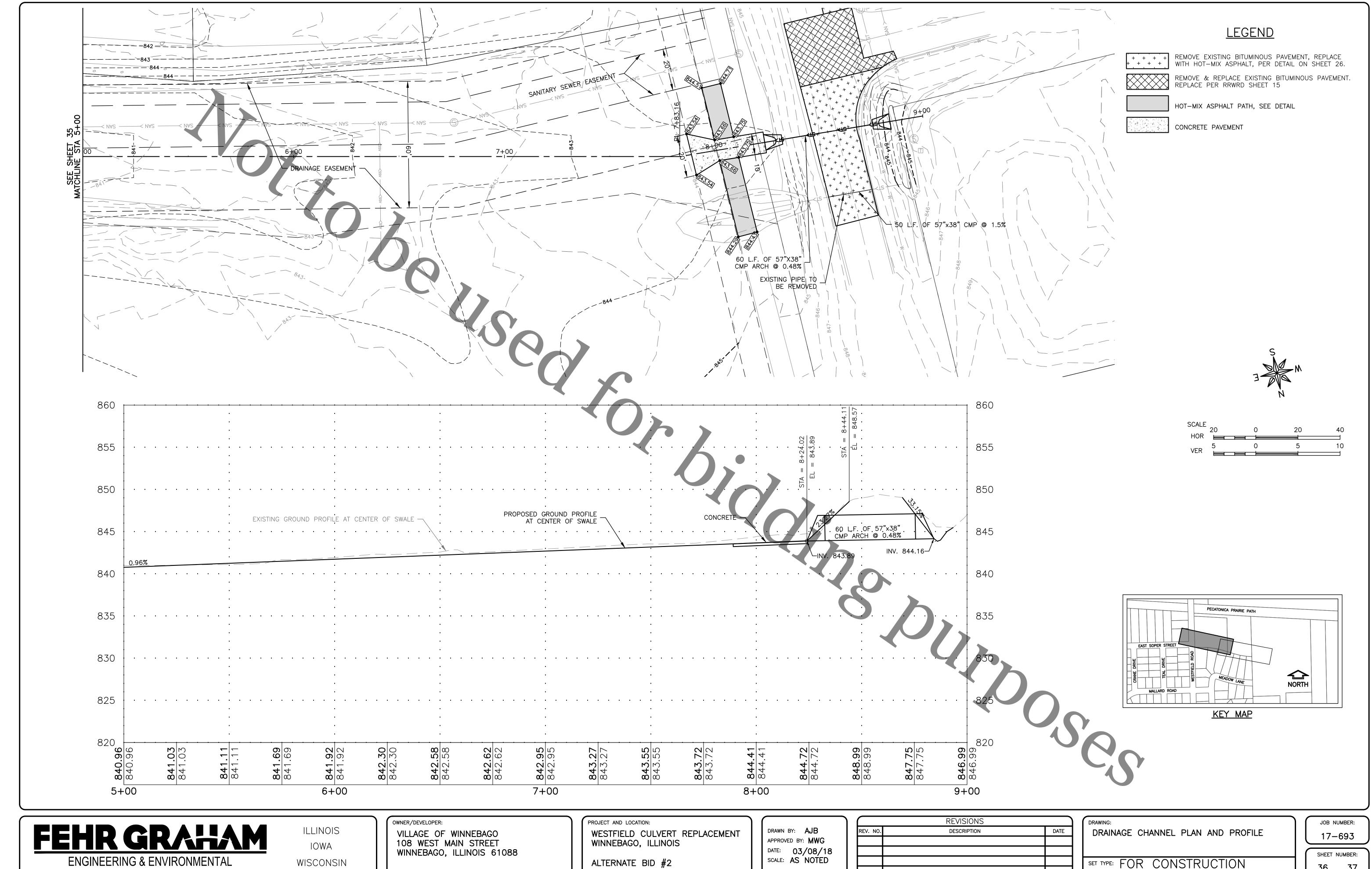


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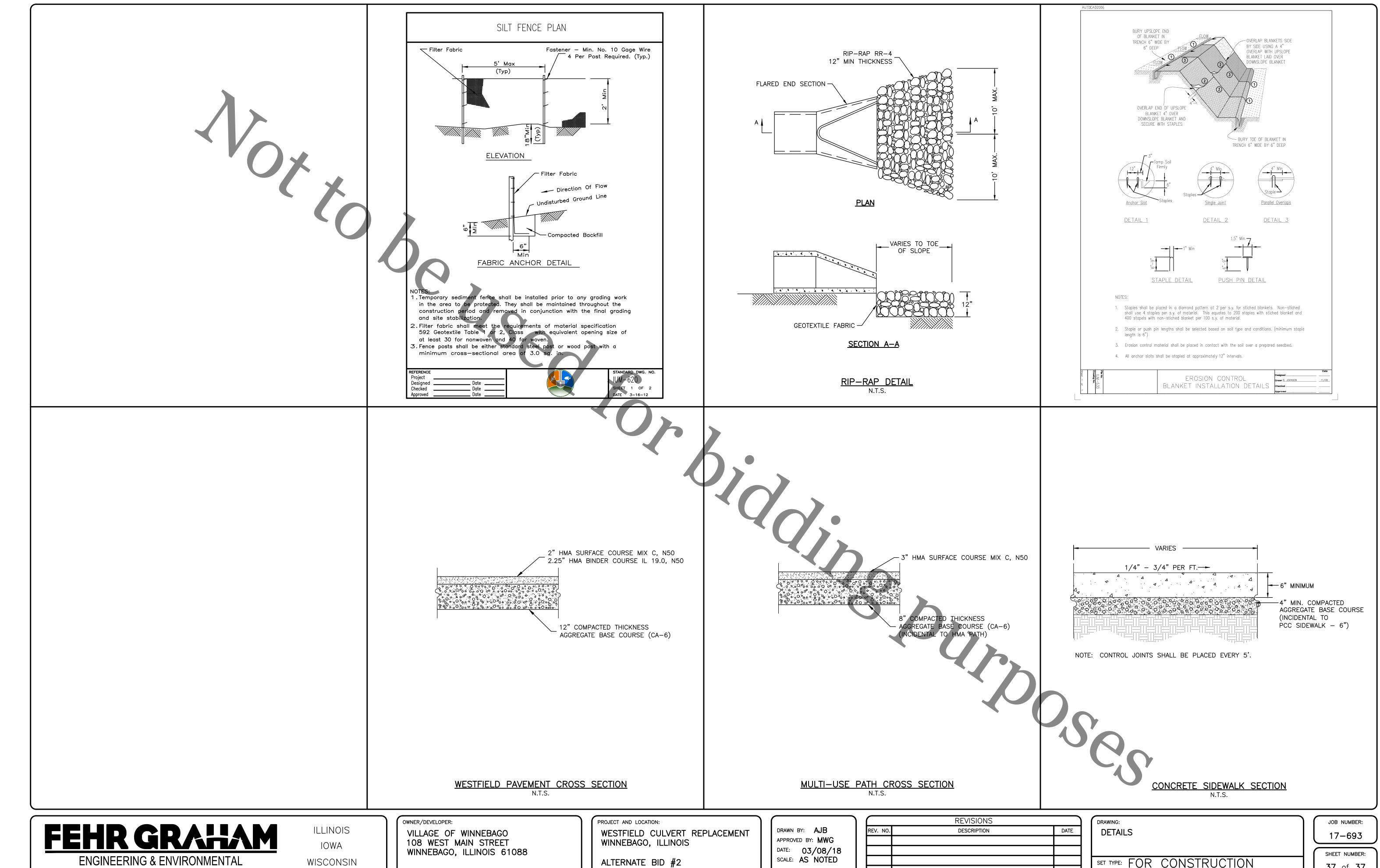


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