

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17-00048-00-RS	MADISON	44	1
FEDERAL AID PROJECT		CONTRACT NO. 97840	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
STU FUNDS
WOOD RIVER AVENUE
SECTION 17-00048-00-RS
SECTION 18-00048-01-RS
FAU ROUTE 9006
PROJECT L71R(847)
CITY OF WOOD RIVER, ILLINOIS
MADISON COUNTY
JOB C-98-005-021

04-24-2026 LETTING ITEM 188

CONTACT JULIE AT 811
OR 800-892-0123
With the following:

County MADISON
City / Township CITY OF WOOD RIVER
Sec & 1/4 Sec No. NORTH EAST 1/4 OF SEC. 28 T.5N., R.9W.
EAST HALF OF SEC. 21 T.5N., R.9W.

48 HOURS (2 working days) BEFORE YOU DIG



AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- * CHARTER COMMUNICATIONS
4767 SIGNATURE INDUSTRIAL DRIVE
EDWARDSVILLE, IL 62025
(618) 779-4179
- * AT&T COMMUNICATIONS
203 GOETHE
COLLINSVILLE, IL 62234
(618) 346-6422
- * AMEREN ILLINOIS
700 OAKWOOD AVENUE
P.O. BOX 478
ALTON, IL 62002
(618) 463-4041
(618) 463-4027
- * WOOD RIVER PUBLIC SERVICES
100 ANDERSON AVE.
WOOD RIVER, IL 62095
(618) 251-3122
WATER, STORM SEWER, & SANITARY SEWER
- * AMEREN ILLINOIS
2600 N. CENTER STREET
MARYVILLE, IL 62062
(618) 346-1244 (GAS)

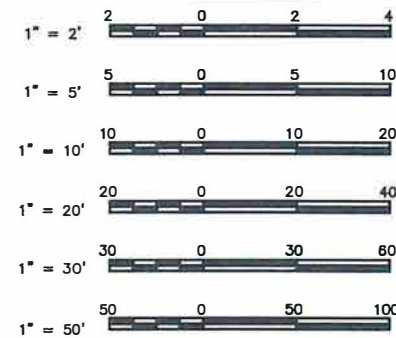
INDEX TO SHEETS

1. COVER SHEET
2. GENERAL NOTES, LEGENDS, CONTROL POINTS & COMMITMENTS
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- 32.-37. PAVEMENT MARKING AND SIGNING PLAN
38. TRAFFIC SIGNAL PLAN
- 39.-40. EXISTING TRAFFIC SIGNAL PLANS
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HIGHWAY STANDARDS

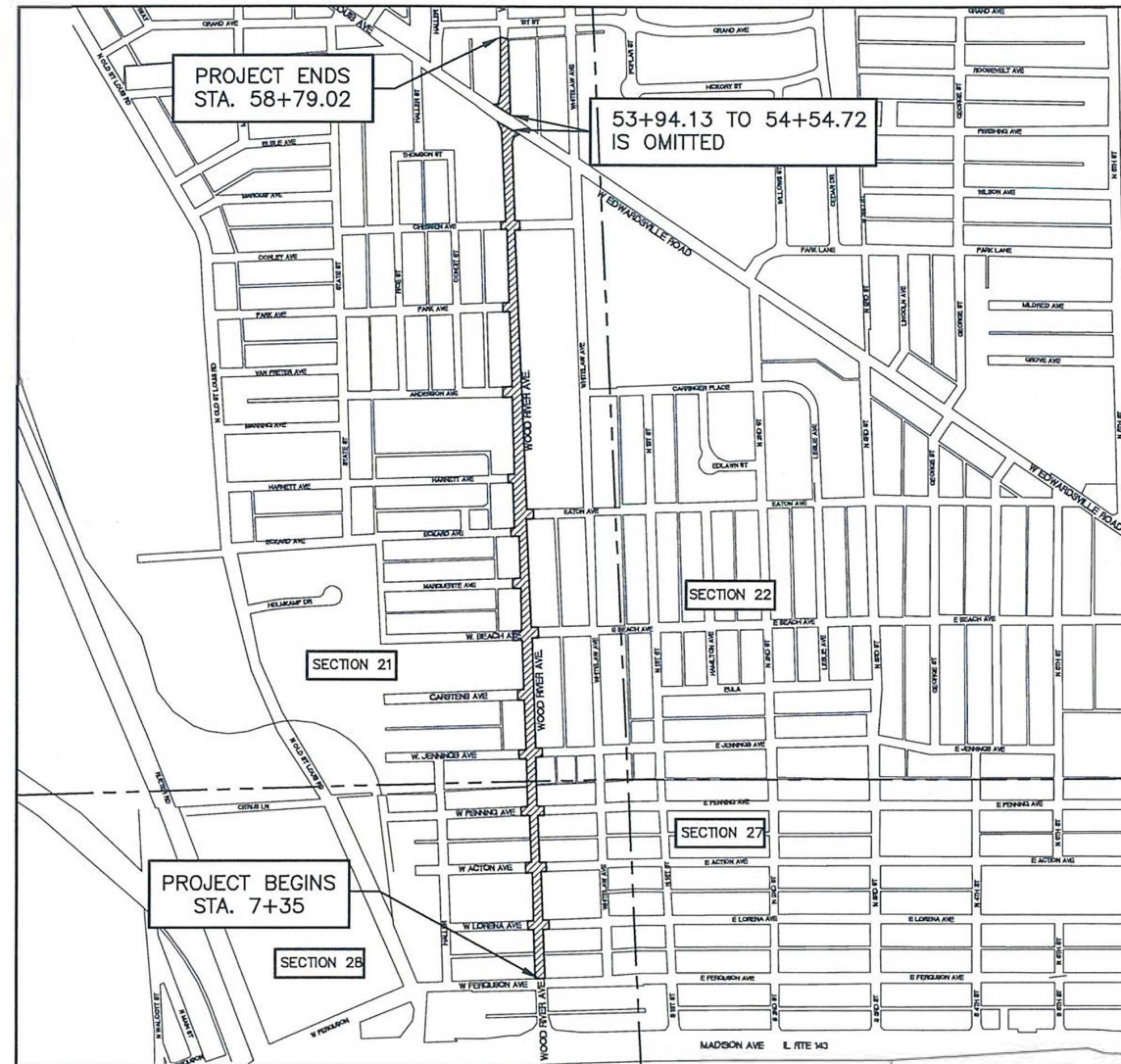
000001-09	424031-03	606301-04	720006-04
001001-02	442101-09	701006-05	728001-01
001006	602301-04	701011-04	780001-05
280001-07	602306-03	701301-04	782001-01
420701-03	602402-03	701311-03	873001-02
424001-12	602601-06	701501-06	876001-04
424006-06	602701-02	701502-09	878001-11
424011-06	604001-05	701701-10	880006-01
424016-06	604006-05	701801-06	886001-01
424021-07	604086-05	701901-11	886006-01
424026-04	606001-09	720001-01	

SCALES



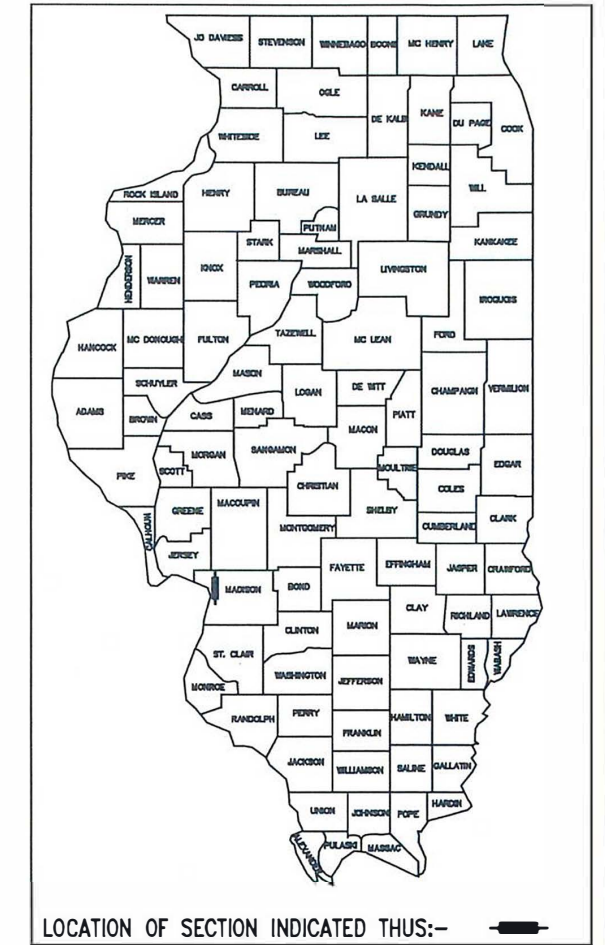
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
DESIGN SPEED = 30 M.P.H.
ADT: 3,850 (2021), 3,970 (2024)



GROSS LENGTH = 5,144.02 FEET = 0.974 MILES
NET LENGTH = 5,083.43 FEET = 0.963 MILES
SECTION 21 AND SECTION 28 T. 5 N., R. 9 W., 3RD P.M.

SMS ENGINEERS Sheppard Morgan & Schwaab, Inc.
CONSULTING ENGINEERS & LAND SURVEYORS
215 Market Street
Alton, Illinois 62002
618/462-9755



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED: Deo-3 20 25
Shannon J. Bailey
MAYOR

PASSED: 12/8 20 25
R. M. ...
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED UPON LIMITED
REVIEW: 12/8 20 25
Lora Rinsky
REGION 5 ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS



DATE SIGNED 12-3-2025
EXPIRATION DATE 11-30-27

STANDARD SYMBOL LEGEND

EXISTING

- EXISTING GUY POLE --○
- EXISTING LIGHT POLE --X
- EXISTING POWER POLE --○
- EXISTING TELEPHONE POLE --○
- EXISTING GUY WIRE --←
- EXISTING TRANSMISSION TOWER --□
- EXISTING ELECTRIC SPLICE BOX --□^E
- EXISTING TELEPHONE SPLICE BOX --△
- EXISTING CABLE SPLICE BOX --□^{TV}
- EXISTING WATER HYDRANT --⊕
- EXISTING GAS METER --⊙
- EXISTING WATER METER --⊕
- EXISTING WATER VALVE --⊕
- EXISTING GAS VALVE --⊙
- EXISTING FIRE HYDRANT --⊕^{FH}
- EXISTING SANITARY MANHOLE TOP --⊙
- EXISTING STORM MANHOLE TOP --○
- EXISTING TELEPHONE MANHOLE TOP --⊕
- EXISTING SANITARY CLEAN OUT --⊙
- CONTROL POINT --△^{XXX}
- BENCHMARK --^{B.M.}
- TEST PIT / NUMBER --^{T.P.#} X
- BORING / NUMBER --^{B.#} X
- RIGHT-OF-WAY MARKER --⊕^{MON}
- AXLE FOUND --○^{AXLE}
- BOLT FOUND --○^{BOLT}
- CHISELED "X" FOUND --X
- PIN FOUND --○^{IP}
- PINCH PIPE FOUND --○^{IP}
- PK NAIL FOUND --○^{PK}
- RAILROAD SPIKE FOUND --○^{RR}
- STONE FOUND --□^{STONE}
- BRASS MONUMENT FOUND --○^{MON}
- IRON PIPE FOUND --○^{IP}
- MONUMENT FOUND --□^{MON}
- REBAR FOUND --○^{RBR}
- EXISTING MAILBOX --^{MB}
- EXISTING FENCE POST --⊕
- EXISTING GATE POST --⊕
- EXISTING FLAG POLE --○
- EXISTING GUARD POST --○^{GP}
- EXISTING ADVERTISING SIGN --^{AS}
- EXISTING TRAFFIC SIGN --^{TS}
- EXISTING PARKING METER --⊕
- EXISTING RAILROAD MILE POST --^{MP}
- EXISTING RAILROAD SIGNAL CONTROLLER --⊕
- EXISTING RAILROAD CROSSING GATE --^{RCG}
- EXISTING TRAFFIC SIGNAL --○
- EXISTING TRAFFIC SIGNAL CONTROLLER --⊕
- EXISTING HANDHOLE --□
- EXISTING DOUBLE HANDHOLE --□
- EXISTING MAST ARM BASE --○
- EXISTING DECIDUOUS TREE / SIZE --^{XX}
- EXISTING EVERGREEN TREE / SIZE --^{XX}
- EXISTING STUMP / SIZE --^{XX}
- EXISTING BUSH --^B
- EXISTING SHRUB --^S
- EXISTING TREE TO BE REMOVED --^{XX}

PROPOSED

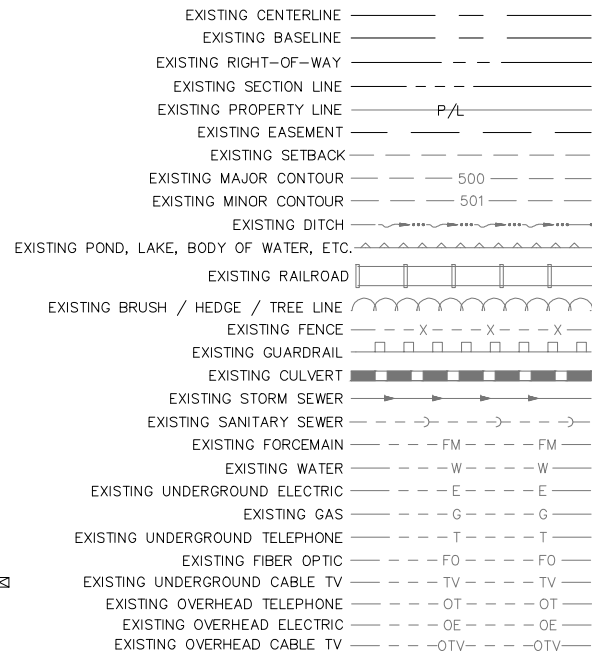
- PROPOSED GUY POLE --○
- PROPOSED LIGHT POLE --X
- PROPOSED POWER POLE --○
- PROPOSED TELEPHONE POLE --○
- PROPOSED GUY WIRE --←
- PROPOSED TRANSMISSION TOWER --□
- PROPOSED ELECTRIC SPLICE BOX --□^E
- PROPOSED TELEPHONE SPLICE BOX --△
- PROPOSED CABLE SPLICE BOX --□^{TV}
- PROPOSED WATER HYDRANT --⊕
- PROPOSED GAS METER --⊙
- PROPOSED WATER METER --⊕
- PROPOSED WATER VALVE --⊕
- PROPOSED GAS VALVE --⊙
- PROPOSED FIRE HYDRANT --⊕^{FH}
- PROPOSED SANITARY MANHOLE TOP --⊙
- PROPOSED STORM MANHOLE TOP --○
- PROPOSED TELEPHONE MANHOLE TOP --⊕
- PROPOSED SANITARY CLEAN OUT --⊙
- PROPOSED MAILBOX --^{MB}
- PROPOSED GUARD POST --^{GP}
- PROPOSED ADVERTISING SIGN --^{AS}
- PROPOSED TRAFFIC SIGN --^{TS}
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- PROPOSED TRAFFIC SIGNAL --○
- PROPOSED TRAFFIC SIGNAL CONTROLLER --⊕
- PROPOSED HANDHOLE --□
- PROPOSED DOUBLE HANDHOLE --□
- PROPOSED MAST ARM BASE --○
- PROPOSED DECIDUOUS TREE / SIZE --^{XX}
- PROPOSED EVERGREEN TREE / SIZE --^{XX}
- PROPOSED BUSH --^B
- PROPOSED PLANT --^P
- PROPOSED EDGE OF PAVEMENT ELEVATION -- + 512.00 EP
- PROPOSED PAVEMENT ELEVATION -- + 505.50 P
- PROPOSED CURB ELEVATION -- + 550.25 TC
- PROPOSED SIDEWALK ELEVATION -- + 515.15 SW
- PROPOSED FLOWLINE ELEVATION -- + 501.58 FL

COMMITMENTS

- THE CONTRACTOR SHALL NOT RESTRICT PUBLIC ACCESS TO AND FROM THE JACK IN THE BOX PROPERTY EXCEPT FOR SHORT PERIODS OF TIME DURING DAYTIME WORK HOURS FOR CONSTRUCTION ACTIVITIES ONLY AND ONLY ONE ENTRANCE MAY BE AFFECTED AT A TIME. THE CONTRACTOR SHALL PROVIDE PRIOR NOTICE TO THE MANAGER OF THE JACK IN THE BOX RESTAURANT AND OBTAIN THEIR APPROVAL TO RESTRICT ANY DRIVEWAY AND WHEN A DRIVEWAY IS RESTRICTED, THE CONTRACTOR SHALL PROVIDE CONES OR BARRICADES FOR TRAFFIC PROTECTION FOR THE JACK IN THE BOX CUSTOMERS AND SHALL PROVIDE A TRAFFIC CONTROL FLAGMAN IF SITE DISTANCE IS RESTRICTED ONTO THE PUBLIC STREETS.

STANDARD LINE TYPE LEGEND

EXISTING FEATURES



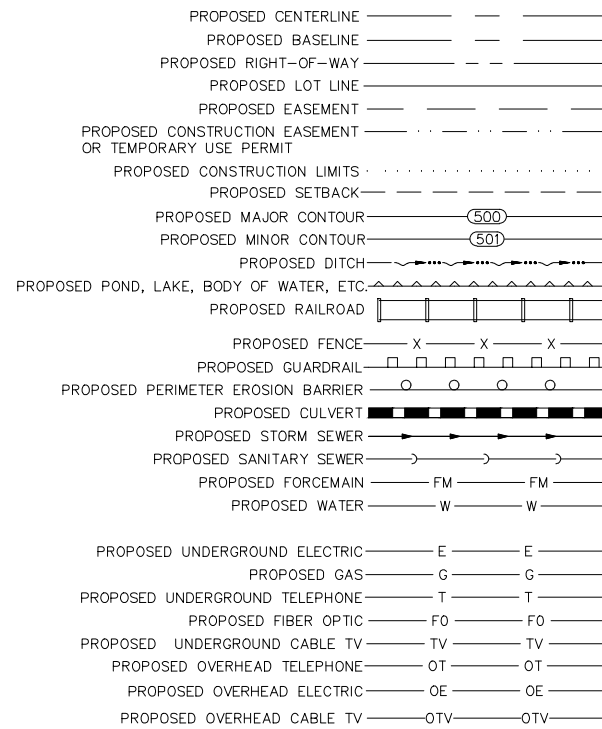
SIDEWALK LEGEND

- RAMP -- MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ DETECTABLE WARNING
- L LANDING -- MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT BLENDED TRANSITION -- MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T TRANSITION TO MEET EXISTING SIDEWALK
- P PASSING SPACE -- MIN. SIZE 5' X 5', MAX. CROSS SLOPE = 2.0%

ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	OL	OPEN LID
BK	BACK	PC	POINT OF CURVE
BM	BENCH MARK	PE	PRIVATE ENTRANCE
BVCE	BEGIN VERTICAL CURVE ELEVATION	PI	POINT OF INTERSECTION
BVCS	BEGIN VERTICAL CURVE STATION	PK	PK NAIL
C&G	CURB AND GUTTER	PP	POWER POLE
C/L	CENTER LINE	PRCF	PRECAST REINFORCED CONCRETE FLARED
CE	COMMERCIAL ENTRANCE	PT	POINT OF TANGENT
CI	CAST IRON	PVC	POINT OF VERTICAL CURVE
CL	CLOSED LID	R	RADIUS
CM	CONCRETE MONUMENT	RBR	REBAR
CMP	CORRUGATED METAL PIPE	RDH	RESTRICTED DEPTH MANHOLE
CONC	CONCRETE	ROW	RIGHT OF WAY
CT	CRIMP TOP PIPE	RR	RAILROAD
CUYD	CUBIC YARD	RRPM	RAISED REFLECTIVE PAVEMENT MARKER
DE	DRAINAGE EASEMENT	RT	RIGHT
DIP	DUCTILE IRON PIPE	S	SOUTH
E	EAST	SE	SOUTHEAST
ELEV	ELEVATION	SL	SECTION LINE
EP	EDGE OF PAVEMENT	SS1	STORM SEWER TYPE 1
EQN STA	EQUATION STATION	SS2	STORM SEWER TYPE 2
ES	EDGE OF SHOULDER	SS3	STORM SEWER TYPE 3
FE	FIELD ENTRANCE	STA	STATION
FH	FIRE HYDRANT	SW	SOUTHWEST
FL	FLOW LINE	TB	TRENCH BACKFILL
FT	FOOT	TBR	TO BE REMOVED
FWD	FORWARD	TC	TOP OF CURB
GP	GUARD POST	TCE	TEMPORARY CONSTRUCTION EASEMENT
HDPE	HIGH DENSITY POLYETHYLENE	TPM	TEMPORARY PAVEMENT MARKING
HMA	HOT-MIX ASPHALT	TPPM	THERMO PLASTIC PAVEMENT MARKING
IP	IRON PIPE	TUP	TEMPORARY USE PERMIT
LT	LEFT	TY	TYPE
MON	MONUMENT	TYP	TYPICAL
MP	MILE PIPE	VC	VERTICAL CURVE
N	NORTH	VCP	VERTIFIED CLAY PIPE
NE	NORTHEAST	W	WEST
NW	NORTHWEST	WMO	WATER MAIN QUALITY
O&C	OIL AND CHIP		

PROPOSED FEATURES



BENCHMARK INFORMATION

SITE BENCHMARK:
CUT "C" ON NE. COR. OF BUSINESS SIGN BASE
STA. 35+66.22, 26.28' LT.
ELEV. = 442.16

GENERAL NOTES

- THE PLANS SHOW THE APPROXIMATE LOCATION OF KNOWN UTILITIES, BUT DO NOT SHOW HOUSE OR SERVICE CONNECTIONS. UTILITY INFORMATION PROVIDED IS BASED ON INFORMATION OBTAINED FROM UTILITY COMPANIES AND SHALL NOT BE CONSIDERED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL USE ALL DUE PRECAUTION NOT TO DAMAGE OR DISTURB ANY UTILITIES AND THE ENTIRE COST OF MAKING REPAIRS TO, OR REPLACEMENT OF, ANY DAMAGED LINE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PROPOSED ELEVATIONS SHOWN ON THE PLANS AS +/- ARE APPROXIMATE, EXACT ELEVATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. IF APPLICABLE, ELEVATIONS SHALL BE DETERMINED PRIOR TO FABRICATION OF THE DRAINAGE STRUCTURES.
- UNLESS OTHERWISE PROVIDED FOR HEREIN, THE CONTRACTOR SHALL PROTECT AND RESTORE EXISTING TRAFFIC SIGNS IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. AT LOCATIONS WHERE NEW SIGNS REPLACE EXISTING SIGNS, THE CONTRACTOR SHALL REMOVE THE EXISTING SIGNS AND DELIVER THEM TO THE CITY OF WOOD RIVER STREET DEPARTMENT. THE COST OF THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ALL CONSTRUCTION ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF THE "PUBLIC RIGHTS-OF-WAY ACCESSIBILITY GUIDELINES" (PROWAG) WITHIN THE PEDESTRIAN ACCESS ROUTE (PAR). THE PAR IS A SPACE WITH A MINIMUM WIDTH OF 4 FEET WITHIN SIDEWALKS, CURB RAMPS, DRIVEWAY PAVEMENTS AND PAVEMENT SURFACE WITHIN CROSSWALKS.
- TEMPORARY RAMPS SHALL BE 5' LONG ON WOOD RIVER AVE. TEMPORARY RAMPS WILL NOT BE REQUIRED FOR SIDE STREETS.
- AT LOCATIONS WHERE CONCRETE CURB, TYPE B OR COMBINATION CONCRETE CURB AND GUTTER IS REMOVED AND REPLACED ADJACENT TO AREAS WHERE THE HOT MIX ASPHALT RESURFACING EXTENDS TO THE CURB, DEPRESSED CURBS FOR DRIVEWAYS OR CURB RAMPS SHALL BE PLACE AT THE PROPER HEIGHT REQUIRED TO MEET THE PROPOSED FINAL PAVEMENT SURFACE.
- TO AVOID MILLING THE CONCRETE PATCHES AND TO MATCH THE UNDERLYING CONCRETE PAVEMENT, THE PAVEMENT PATCHING WORK SHALL BE DONE AFTER THE MILLING OPERATION. THE NORMAL REQUIREMENT OF RESURFACING WITHIN 10 DAYS OF MILLING SHALL BE WAIVED FOR THIS PROJECT.
- THE CITY OF WOOD RIVER HAS A MAJOR SEWER SEPARATION PROJECT UNDERWAY THAT INVOLVES SEWER WORK IN AND ALONG WOOD RIVER AVE. FROM FERGUSON AVE. TO CHESSEN AVE. THE PORTION OF SEWER WORK ALONG WOOD RIVER AVE. IS EXPECTED TO BE COMPLETED BY APRIL 1, 2026. IN THE EVENT THAT THE SEWER PROJECT IS NOT COMPLETED ON TIME, THE CONTRACTOR FOR THE STREET IMPROVEMENT PROJECT MAY WORK IN AREAS THAT ARE OUTSIDE OF THE LIMITS OF THE SEWER PROJECT AND IN AREAS THAT DO NOT CONFLICT WITH THE SEWER PROJECT. WORKING DAYS WILL NOT BE CHARGED TO THE EXTENT THAT THE SEWER PROJECT DELAYS THE CONTRACTOR'S WORK ON THE CONTROLLING ITEM. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS ACCORDING TO ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS SUCH THAT BOTH PROJECTS CAN PROCEED IN A TIMELY MANNER.
- FROM STA. 16+53.38 TO STA. 48+91.64 NEW MANHOLES WILL BE CONSTRUCTED WITH THE SEWER SEPARATION PROJECT, THE PROPOSED HMA SURFACE COURSE SHALL MATCH THE ELEVATION OF THE NEW MANHOLES. FOR ALL OTHER AREAS, THE CONTRACTOR SHALL PAVE OVER THE OLD EXISTING MANHOLES AND MARK THEIR LOCATIONS. AFTER PAVING IS COMPLETED, THE CITY OF WOOD RIVER WILL REPLACE AND ADJUST THE OLD MANHOLE FRAME AND LIDS.

SURVEY CONTROL POINTS				
VERTICAL CONTROL (BENCH MARKS)				
BENCH MARK	LOCATION	ELEVATION	DESCRIPTION	
30	STA. 8+59.13, 27.95' LT.	434.22	R.R. SPIKE E. SIDE OF PP ON WEST SIDE OF WOOD RIVER AVE.	
31	STA. 14+78.44, 18.87' LT.	433.24	"O" IN "OPEN" ON TOP FLANGE OF FIRE HYDRANT	
32	STA. 19+31.24, 20.66' LT.	437.57	CUT "C" ON NE. COR. OF LIGHT STANDARD BASE	
33	STA. 24+58.78, 35.42' LT.	441.63	"O" IN "OPEN" ON TOP FLANGE OF FIRE HYDRANT	
34	STA. 31+44.27, 31.78' LT.	444.42	TOP OF NE. BOLT OF BUSINESS SIGN BASE	
36	STA. 39+82.25, 23.29' RT.	440.56	CUT "C" ON NW. COR. OF CONC. BASE OF BUS STOP SHELTER	
37	STA. 44+67.00, 23.26' RT.	442.84	CUT "C" AT TOP-END OF WALL AND HANDRAIL NEAR SIDE ENTRANCE OF EAWR HIGHSCHOOL	
38	STA. 48+69.69, 26.07' RT.	442.86	R.R. SPIKE W. SIDE OF PP ON WEST SIDE OF WOOD RIVER AVE.	
39	STA. 55+14.05, 42.86' LT.	445.29	TOP OF BOLT ON E. SIDE OF MAST ARM AT THE N.W. COR. OF INTERSECTION.	
40	STA. 59+94.88, 17.25' LT.	442.95	"O" IN "OPEN" ON TOP FLANGE OF FIRE HYDRANT	
HORIZONTAL CONTROL				
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #10	798799.65	2316069.38	432.61	CUT "X"
CP #11	798981.88	2316069.10	431.62	CUT "X"
CP #12	799153.85	2316059.73	433.32	CUT "X"
CP #13	799355.31	2316100.49	435.73	CUT "X"
CP #14	799597.26	2316081.66	431.09	CUT "X"
CP #15	799972.90	2316007.13	434.18	CUT "X"
CP #16	800306.34	2316049.71	437.56	CUT "X"
CP #17	800648.99	2315987.53	437.24	CUT "X"
CP #18	800899.87	2315959.78	440.84	CUT "X"
CP #19	801271.99	2316010.38	442.58	CUT "X"
CP #20	801429.39	2315956.31	443.06	CUT "X"
CP #21	801808.49	2315944.55	442.41	CUT "X"
CP #22	802204.59	2315926.54	440.15	CUT "X"
CP #23	802686.83	2315958.54	441.93	REBAR WITH CAP
CP #24	803194.01	2315884.75	442.21	CUT "X"
CP #25	803674.03	2315866.08	445.34	CUT "X"
CP #26	803887.32	2315855.02	443.62	CUT "X"
CP #27	804239.18	2315840.95	441.27	CUT "X"

* ELEVATIONS SHOULD BE CHECKED FROM A BENCHMARK.

CITY OF WOOD RIVER, ILLINOIS
SECTION 17-00048-00-RS
SECTION 18-00048-01-RS
WOOD RIVER AVENUE

CONTRACT NO.
97840

REF. BK. PG.
JOB NO. 489470.1
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: NOVEMBER, 2025

SCALE:
SHEET 2 OF 44

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

REVISIONS

CURB & GUTTER SCHEDULE

LOCATION	CURB REMOVAL (FOOT)	COMB. CURB AND GUTTER REMOVAL (FOOT)	CURB REMOVAL (SPECIAL) (FOOT)	CONC. CURB TY. B (FOOT)	CONC. CURB TY. B (SPECIAL) (FOOT)	CONC. CURB (SPECIAL) (FOOT)	COMB. C.C.&G. TY. B-6.18 (FOOT)	COMB. C.C.&G. TY. B-6.18 (VAR. WIDTH GUTTER FLAG) (FOOT)
SW CORNER LORENA AVE		2	28		28		2	
SE CORNER LORENA AVE		8	11		11			17
NW CORNER LORENA AVE			75		75			
SW CORNER ACTON AVE		31	18		10		56	
SE CORNER ACTON AVE			43		43			
NW CORNER ACTON AVE		25						24
NE CORNER ACTON AVE			35		38			
STA. 14+76 LT TO STA. 16+17 LT	37						143	
SW CORNER PENNING AVE			39		39			
SE CORNER PENNING AVE			39		39			
SW CORNER EDWARDSVILLE RD			85		85			
SE CORNER EDWARDSVILLE RD			25		25			
NW CORNER EDWARDSVILLE RD		22	5		5		13	
NE CORNER EDWARDSVILLE RD			70		48	37		
STA. 56+00 LT TO STA. 59+00 LT	45	45			162			
STA. 56+00 RT TO STA. 59+00 RT	201				267			
TOTAL	283	133	473	429	446	37	214	41

SIDEWALK SCHEDULE

LOCATION WOOD RIVER AVE	SIDEWALK REMOVAL (SQ. FT.)	P.C.C. SIDEWALK 4 INCH (SQ. FT.)	DETECTABLE WARNINGS (SQ. FT.)	PIPE HANDRAIL SPECIAL (FOOT)
SW CORNER LORENA AVE	177	177	16	
SE CORNER LORENA AVE	199	188	16	
NW CORNER LORENA AVE	450	455	18	28
SW CORNER ACTON AVE	188	221	16	
SE CORNER ACTON AVE	188	256	19	
NW CORNER ACTON AVE	111	111	10	
NE CORNER ACTON AVE	182	196	14	
STA. 14+76 LT TO STA. 16+17 LT	129	211		
SW CORNER PENNING AVE	110	383	20	
SE CORNER PENNING AVE	222	214	19	
STA. 18+56 RT BUS STOP	97	107		
STA. 18+60 LT BUS STOP		25		
STA. 25+50 LT BUS STOP	117	117		
STA. 31+80 RT BUS STOP		10		
STA. 38+36 LT BUS STOP		25		
STA. 50+50 LT BUS STOP	75	97		
SW CORNER EDWARDSVILLE RD	315	365	12	
SE CORNER EDWARDSVILLE RD	318	318	17	
NW CORNER EDWARDSVILLE RD	87	87	12	
STA. 54+82 LT ISLAND		77.7	32	
NE CORNER EDWARDSVILLE RD		353	22	
STA. 56+00 TO STA. 59+00 LT & RT	240	240		
TOTAL	3,205	4,234	243	28

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION (CUT) (CU. YD.)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE * (CU. YD.)	EMBANKMENT (FILL) (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)	FURNISHED EXCAVATION (CU. YD.)
STA. 56+12 TO STA. 58+79	155	116	0	116	0
Total :	155	116	0	116	0

* ASSUME SHRINKAGE FACTOR = 25%

PAVEMENT PATCHING SCHEDULE

STATION TO STATION	LANE	LENGTH (FEET)	WIDTH (FEET)	CLASS B PATCHES, 8 INCH (SQ. YD.)			PAVEMENT PATCHING (SPECIAL) (SQ. YD.)	DOWEL BARS 1 1/4" (EACH)	WELDED WIRE REINFORCEMENT (SQ. YD.)	TIE BARS 3/4" (EACH)	SAW CUTS (FT.)	
				TYPE II	TYPE III	TYPE IV						
7+64 RT	7+70 RT	NB	6	8			5.3	14			28	
8+69 RT	8+76 RT	NB	7	5			3.9	8			24	
10+21 RT	10+25 RT	NB	6	8			5.3	14			24	
10+26 LT	10+30 LT	SB	6	6			4.0	10			20	
10+80 LT	10+86 LT	SB	6	17.5	11.7			30			47	
10+80 RT	10+86 RT	NB	6	17.5	11.7			30			41	
11+33 RT	11+43 RT	NB	10	10			11.1	18			40	
11+90 LT	11+96 LT	SB	6	17.5	11.7			30			47	
11+90 RT	11+96 RT	NB	6	17.5	11.7			30			41	
12+55 LT	12+61 LT	SB	6	17.5	11.7			30			47	
12+55 RT	12+61 RT	NB	6	17.5	11.7			30			41	
12+61 RT	12+96 RT	NB	35	6			23.3	10	23.3	22	76	
13+10 RT	13+30 RT	NB	20	6			13.3	8			32	
13+62 LT	13+73 LT	SB	11	14.5	17.7			28	17.7		31	
13+62 RT	13+73 RT	NB	11	16	19.6			24	19.6		29	
14+03 LT	14+09 LT	SB	6	17.5	11.7			30			47	
14+03 RT	14+09 RT	NB	6	17.5	11.7			30			41	
14+81 LT	14+99 LT	SB	18	12		24.0		20	24.0		42	
15+51 LT	15+57 LT	SB	6	17.5	11.7			30			47	
15+51 RT	15+57 RT	NB	6	17.5	11.7			30			41	
15+32 LT	15+38 LT	SB	6	17.5	11.7			30			47	
15+32 RT	15+38 RT	NB	6	17.5	11.7			30			41	
16+14 LT	16+20 LT	SB	6	17.5	11.7			30			47	
16+14 RT	16+20 RT	NB	6	17.5	11.7			30			41	
16+23 LT	16+29 LT	SB	6	14	9.3			24			40	
48+95 LT	49+01 LT	SB	6	13	8.7			22			38	
49+00 RT	49+06 RT	NB	6	16	10.7			28			44	
49+14 LT	49+21 LT	SB	7	16	12.4			28			46	
49+14 RT	49+21 RT	NB	7	16	12.4			28			39	
50+06 RT	50+18 RT	NB	12	16		21.3		28	21.3		56	
50+09 LT	50+23 LT	SB	14	16		24.9		28	24.9		60	
50+30 LT	50+36 LT	SB	6	16	10.7			28			44	
50+30 RT	50+36 RT	NB	6	16	10.7			28			38	
50+71 LT	50+77 LT	SB	6	16	10.7			28			44	
50+71 RT	50+77 RT	NB	6	16	10.7			28			38	
53+06 LT	53+12 LT	O-SB	6	12	8.0			20			36	
53+15 LT	53+21 LT	O-SB	6	12	8.0			20			36	
53+15 RT	53+21 RT	I-SB	6	12	8.0			20			36	
56+66 LT	56+72 LT	SB	6	15	10.0			26			42	
56+66 RT	56+72 RT	NB	6	15	10.0			26			36	
57+90 LT	58+05 LT	SB	15	5			8.3	8			40	
57+95 RT	58+00 RT	NB	6	5			3.3	8			20	
58+51 LT	58+66 LT	SB	15	5			8.3	8			40	
58+58 RT	58+66 RT	NB	8	5			4.4	8			26	
ACTON AVE. LT	SOUTH	VAR	VAR				25.6	13	25.6	11	51	
ACTON AVE. LT	NORTH	15	16.3			27.2		28	27.2		37	
ACTON AVE. RT	SOUTH	VAR	VAR				17.9		17.9	9	27	
ACTON AVE. RT	NORTH	VAR	VAR				17.1		17.1	12	39	
EXTRA AT ENGINEER'S DISCRETION					60	20	0	0	160	20	290	
TOTAL					401.4	90.2	27.2	151.1	1,217.0	238.5	64.0	2,205.0
ROUNDED TOTAL					402	91	28	152	1,217	239	64	2,205

I Denotes Inner Lane
O Denotes Outer Lane

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
DESIGN FIRM # 184-000992
215 Market Street, Alton, IL 62002 618462-9755 E-mail: mail@smsengineers.com

CITY OF WOOD RIVER, ILLINOIS
SECTION 17-00048-00-RS
SECTION 18-00048-01-RS
WOOD RIVER AVENUE
SCHEDULES

CONTRACT NO. 97840

REF. BK. PG.
JOB NO. 489470.1
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: NOVEMBER, 2025

SCALE:
SHEET 4 OF 44

SEE SHEET NO. 22 FOR FILLING EXISTING STORM SEWERS SCHEDULE

SIGNING SCHEDULE

LOCATION STATION	LEGEND OR TYPE	MUTCD SIGN DESIGNATION	SIZE W X H (INCHES)	HOLES DRILLED (EACH)	RELOCATE EXISTING SIGNS (EACH)	SIGN PANEL TYPE 1 (SQ. FT.)	TELESCOPING STEEL SIGN SUPPORT (FT.)	REMARKS		
8+94 RT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	AHEAD	W16-9P (FLUORESCENT YELLOW GREEN)	24" X 12"			2.00				
10+05 LT.	STREET NAMES	D3-1	36" X 8"	1	1					
	STOP SIGN	R1-1	30" X 30"							
10+52 RT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
10+58 LT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
10+91 LT.	NO LEFT TURN	R3-2	30" X 30"	1		6.25	15.5			
13+13 LT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
13+14 RT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
13+20 LT.	STOP SIGN	R1-1	30" X 30"	1	1					
13+23 RT.	STREET NAMES	D3-1	36" X 8"	1	1					
	ONE WAY	R6-2	24" X 30"							
13+58 RT.	ONE WAY	R6-2	24" X 30"	1	1					
	STOP SIGN	R1-1	30" X 30"							
16+20 RT.	ALL WAY	R1-3P	18" X 6"	1	1		16	INSTALL EXISTING SIGNS ON NEW POST		
	STOP SIGN	R1-1	30" X 30"							
16+26 LT.	ALL WAY	R1-3P	18" X 6"	1	1		16	INSTALL EXISTING SIGNS ON NEW POST		
	STOP SIGN	R1-1	30" X 30"							
19+95 LT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
19+95 RT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
26+34 RT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
25+44 LT.	PEDESTRIAN	W11-2 (FLUORESCENT YELLOW GREEN)	30" X 30"			6.25	17.5	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
29+51 RT.	SPEED LIMIT (20)	R2-1	24" X 30"			5.00	17	FLUORESCENT YELLOW GREEN		
	SCHOOL	S4-3P (FLUORESCENT YELLOW GREEN)	24" X 9"			1.50				
	WHEN CHILDREN ARE PRESENT	S4-2P	24" X 12"			2.00				
30+50 RT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	AHEAD	W16-9P (FLUORESCENT YELLOW GREEN)	24" X 12"			2.00				
31+93 RT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
				TOTAL			7	8	218.17	461.0
				ROUNDED TOTAL			7	8	218	461

SIGNING SCHEDULE (continued)

LOCATION STATION	LEGEND OR TYPE	MUTCD SIGN DESIGNATION	SIZE W X H (INCHES)	HOLES DRILLED (EACH)	RELOCATE EXISTING SIGNS (EACH)	SIGN PANEL TYPE 1 (SQ. FT.)	TELESCOPING STEEL SIGN SUPPORT (FT.)	REMARKS		
32+03 LT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
32+47 RT.	DO NOT ENTER	R5-1	30" X 30"	1		6.25	18	DO NOT ENTER SIGN		
	ONE WAY	R6-2						INSTALL EXISTING ONE WAY SIGNS		
	ONE WAY	R6-2						ON NEW POST		
34+46 RT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
34+50 LT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
39+62 RT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
39+73 LT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
44+09 RT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
44+17 LT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
48+25 LT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
48+25 RT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	DOWNWARD DIAGONAL ARROW	W16-7P (FLUORESCENT YELLOW GREEN)	21" X 15"			2.19				
50+00 LT.	PEDESTRIANS	S1-1 (FLUORESCENT YELLOW GREEN)	36" X 36"			6.75	17	FLUORESCENT YELLOW GREEN		
	AHEAD	W16-9P (FLUORESCENT YELLOW GREEN)	24" X 12"			2.00				
50+55 LT.	MCT BUS STOP	N/A	12" X 18"		1					
51+50 LT.	SPEED LIMIT (20)	R2-1	24" X 30"			5.00	17	FLUORESCENT YELLOW GREEN		
	SCHOOL	S4-3P (FLUORESCENT YELLOW GREEN)	24" X 9"			1.50				
	WHEN CHILDREN ARE PRESENT	S4-2P	24" X 12"			2.00				
53+45 RT.	PUSH BUTTON FOR WALK	R10-3	9" X 12"			1.50		2 EACH		
54+04 LT.	PUSH BUTTON FOR WALK	R10-3	9" X 12"			1.50		2 EACH		
54+35 RT.	PUSH BUTTON FOR WALK	R10-3	9" X 12"			0.75				
54+53 RT.	PUSH BUTTON FOR WALK	R10-3	9" X 12"			0.75				
54+75 LT.	PUSH BUTTON FOR WALK	R10-3	9" X 12"			1.50		2 EACH		
				TOTAL			7	8	218.17	461.0
				ROUNDED TOTAL			7	8	218	461

PAVEMENT MARKING

LOCATION	THERMOPLASTIC PAVEMENT MARKING						PAVEMENT MARKING REMOVAL - WATER BLASTING (SQ FT)	PAINT CURB (FOOT)	CURB REFLECTORS (EACH)	
	LETTERS AND SYMBOLS (SQ FT)	LINE 4"		LINE 6"		LINE 12"				
		WHITE (FT)	YELLOW (FT)	WHITE (FT)	WHITE (FT)	YELLOW (FT)				WHITE (FT)
STA. 7+35 TO STA. 11+75		436	862	156	115		54			
STA. 11+75 TO STA. 17+00		443	916	429	126		54			
STA. 17+00 TO STA. 22+50		472	1087	149	31		48			
STA. 22+50 TO STA. 28+00		476	1088	199	31		42			
STA. 28+00 TO STA. 33+50		356	1086	195	66		48			
STA. 33+50 TO STA. 38+50		431	986	48	13		48			
STA. 38+50 TO STA. 43+00		366	886	67	17		48			
STA. 43+00 TO STA. 47+50		365	886	71	17		48			
STA. 47+50 TO STA. 52+00		370	1508	137	74	64	48			
STA. 52+00 TO STA. 57+25	62.4	228	1124	564	135	22				
STA. 57+25 TO STA. 59+29			308							
STA. 54+82 LT ISLAND (SHEET 31)							40.9	12		
REMOVAL FOR TEMPORARY PAVEMENT MARKING							7550.0			
SUBTOTAL	62.4	3,943	10,737	2,015	625	86	438	7,601.0	41	12
TOTAL			14,680			711				

REVISIONS

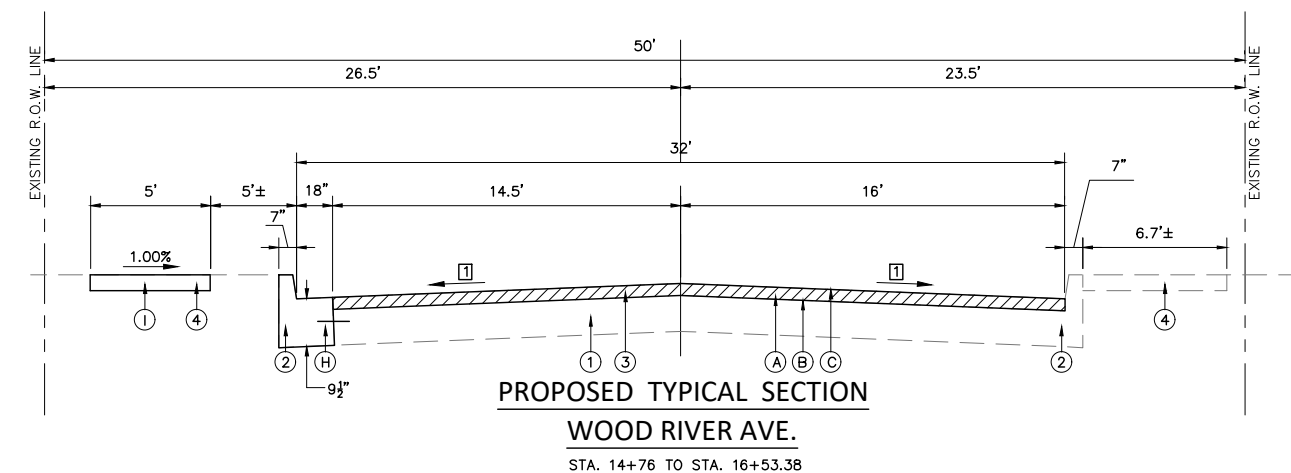
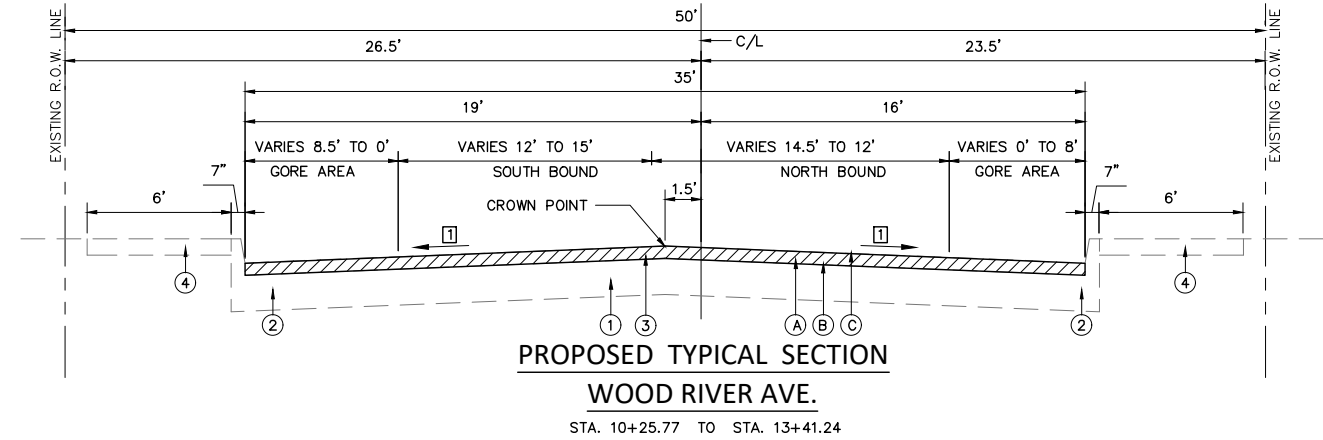
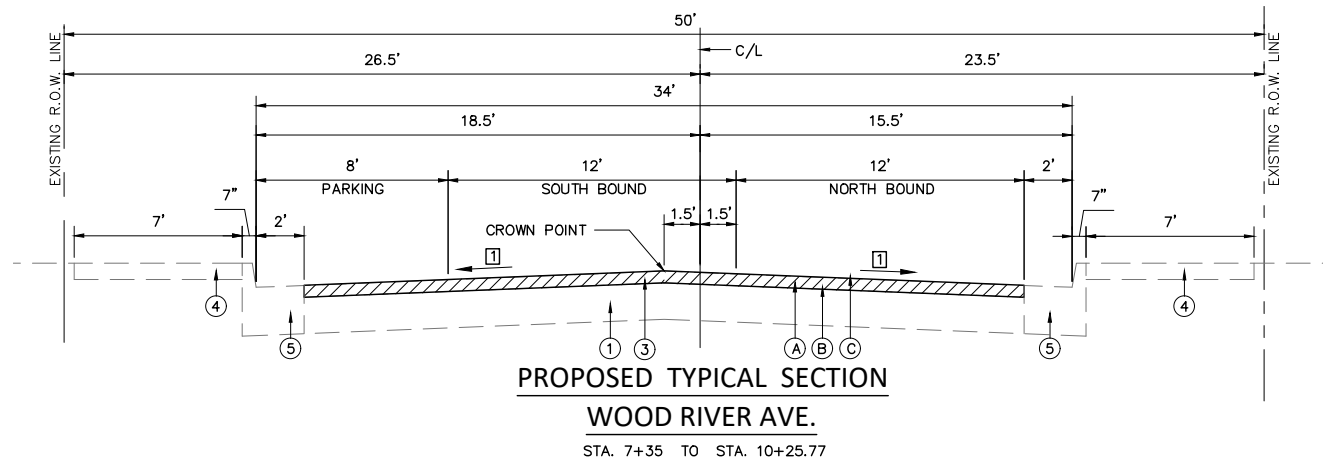
SMS Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, Alton, IL 62002 618462-9755 Email: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 SCHEDULES

CONTRACT NO. 97840

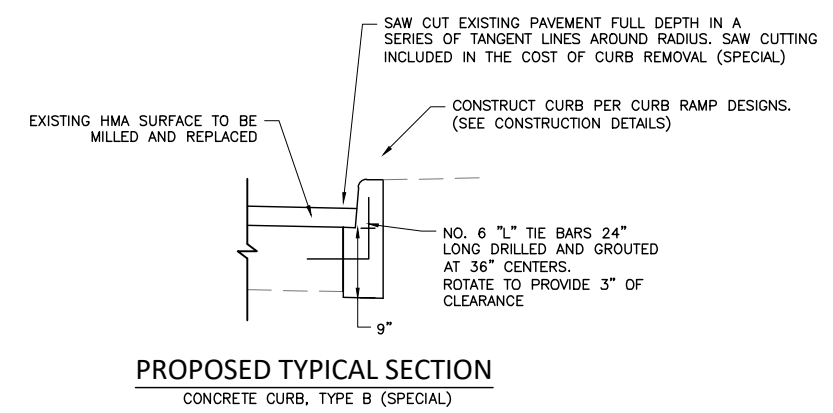
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 JOB NO. 489470.1
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: NOVEMBER, 2025

SCALE:
 SHEET 6 OF 44



- PAVING LEGEND**
- ① EXISTING P.C.C. PAVEMENT, 8"
 - ② EXISTING P.C.C. PAVEMENT WIDENING WITH MONOLITHIC CONCRETE CURB, TYPE B
 - ③ EXISTING HMA SURFACE, 1-1/2"
 - ④ EXISTING P.C.C. SIDEWALK, 4"
 - ⑤ EXISTING C.C.C.&G. TYPE B-6.24
 - * ⑥ EXISTING HMA BINDER (2-3" LAYERS)
 - * ⑦ EXISTING AGGREGATE BASE COURSE TY.A, 8"
 - * ⑧ EXISTING C.C.C.&G. TYPE B-6.18
 - Ⓐ PROPOSED HMA SURFACE REMOVAL, 1-1/2". SHOWN AS
 - Ⓑ PROPOSED BITUMINOUS MATERIALS (TACK COAT) (NTEA)
 - Ⓒ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "C", N70, 1-1/2"
 - Ⓓ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
 - Ⓔ PROPOSED P.C.C. BASE COURSE WIDENING, 8"
 - Ⓛ PROPOSED CONCRETE CURB, TYPE B
 - Ⓜ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "C", N70, 2"
 - Ⓨ PROPOSED C.C.C.&G. TYPE B-6.18
 - Ⓩ PROPOSED P.C.C. SIDEWALK 4 INCH

- TYPICAL SECTION NOTES**
- Ⓜ MATCH EXISTING CROSS SLOPE WHICH IS 1.5% TO 2.0%
 - * THESE ITEMS ARE TO BE CONSTRUCTED BY THE SEWER SEPARATION CONTRACTOR.



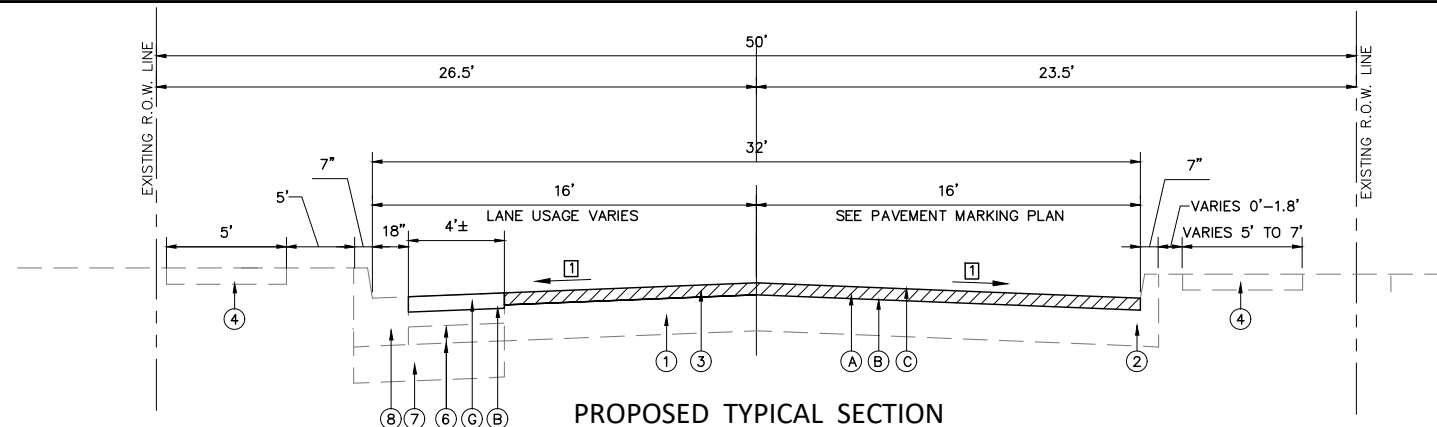
MIX DESIGNS		
LOCATION	ENTIRE JOB	
MIXTURE USE	POLY SURFACE	INCIDENTAL
PG	SBS PG 70-22	PG 64-22
DESIGN AIR VOIDS	4% @ NDES = 70	4% @ NDES = 50 OR 70
MIX COMPOSITION	IL 9.5	----
FRICTION AGG	MIX C	MIX C
MIXTURE WEIGHT	112.0 LB/SQ YD./INCH	112.0 LB/SQ YD./INCH
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A
MATERIAL TRANSFER DEVICE (REQUIRED?)	NO	NO

REVISIONS	

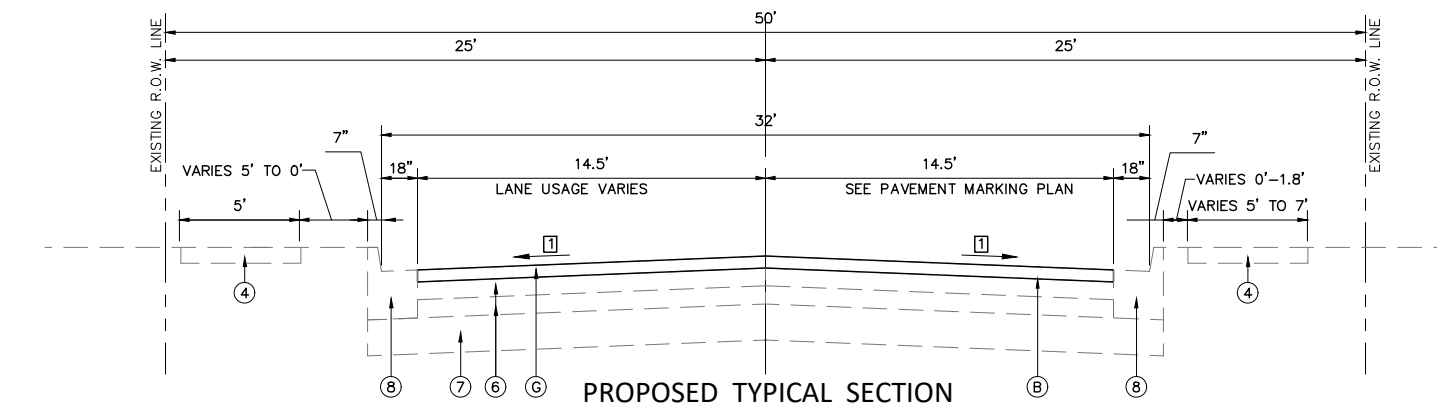
SMS Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000932
ENGINEERS

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 TYPICAL SECTIONS

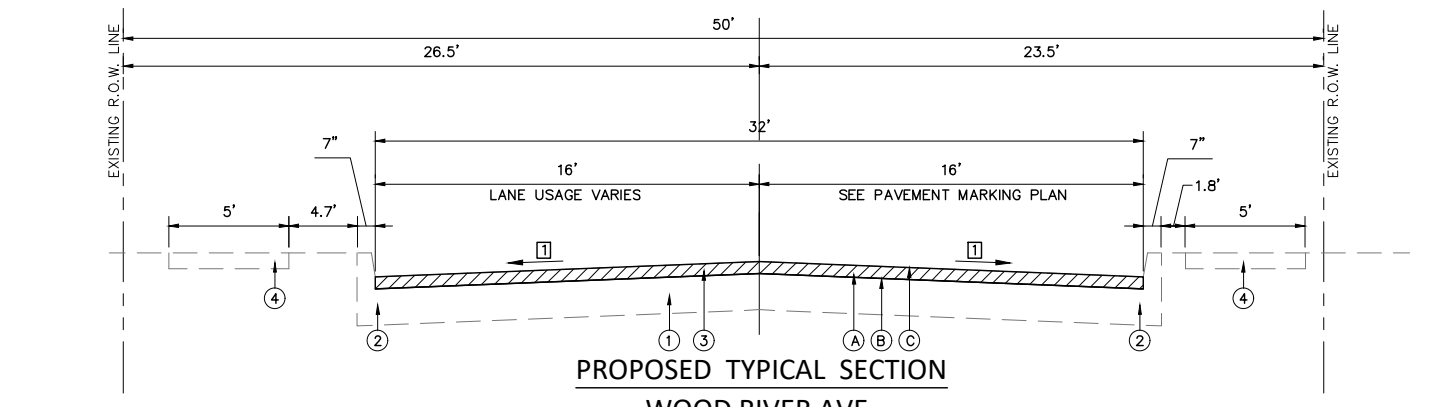
CONTRACT NO. 97840	
REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	
SCALE: 1" = 4'	
SHEET 7 OF 44	



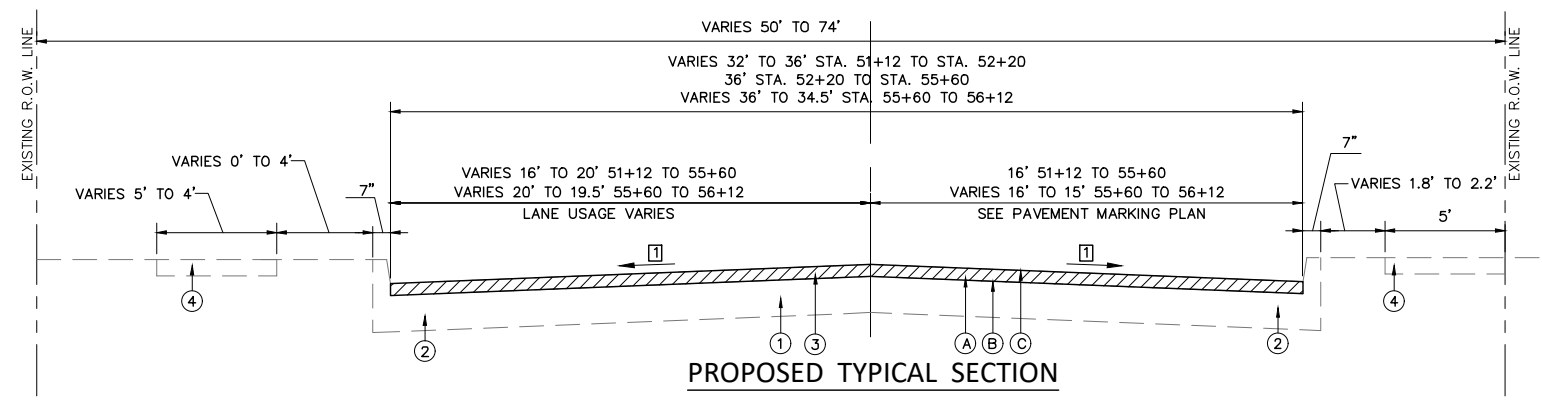
PROPOSED TYPICAL SECTION
WOOD RIVER AVE.
 STA. 16+53.38 TO STA. 17+76



PROPOSED TYPICAL SECTION
WOOD RIVER AVE.
 STA. 17+76 TO STA. 48+91.64



PROPOSED TYPICAL SECTION
WOOD RIVER AVE.
 STA. 13+41.24 TO STA. 14+76
 STA. 48+91.64 TO STA. 51+12



PROPOSED TYPICAL SECTION
WOOD RIVER AVE.
 STA. 51+12 TO STA. 53+94.13
 STA. 54+54.72 TO STA. 56+12

STA. 53+94.13 TO STA. 54+54.72
 IS OMITTED

PAVING LEGEND

- ① EXISTING P.C.C. PAVEMENT, 8"
- ② EXISTING P.C.C. PAVEMENT WIDENING WITH MONOLITHIC CONCRETE CURB, TYPE B
- ③ EXISTING HMA SURFACE, 1-1/2"
- ④ EXISTING P.C.C. SIDEWALK, 4"
- ⑤ EXISTING C.C.C.&G. TYPE B-6.24
- * ⑥ EXISTING HMA BINDER (2-3" LAYERS)
- * ⑦ EXISTING AGGREGATE BASE COURSE TY.A, 8"
- * ⑧ EXISTING C.C.C.&G. TYPE B-6.18
- Ⓐ PROPOSED HMA SURFACE REMOVAL, 1-1/2", SHOWN AS-
- Ⓑ PROPOSED BITUMINOUS MATERIALS (TACK COAT) (NTEA)
- Ⓒ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "C", N70, 1-1/2"
- Ⓓ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
- Ⓔ PROPOSED P.C.C. BASE COURSE WIDENING, 8"
- Ⓕ PROPOSED CONCRETE CURB, TYPE B
- Ⓖ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "C", N70, 2"
- Ⓗ PROPOSED C.C.C.&G. TYPE B-6.18
- Ⓘ PROPOSED P.C.C. SIDEWALK 4 INCH

TYPICAL SECTION NOTES

- ① MATCH EXISTING CROSS SLOPE WHICH IS 1.5% TO 2.0%
- * THESE ITEMS ARE TO BE CONSTRUCTED BY THE SEWER SEPARATION CONTRACTOR.

REVISIONS

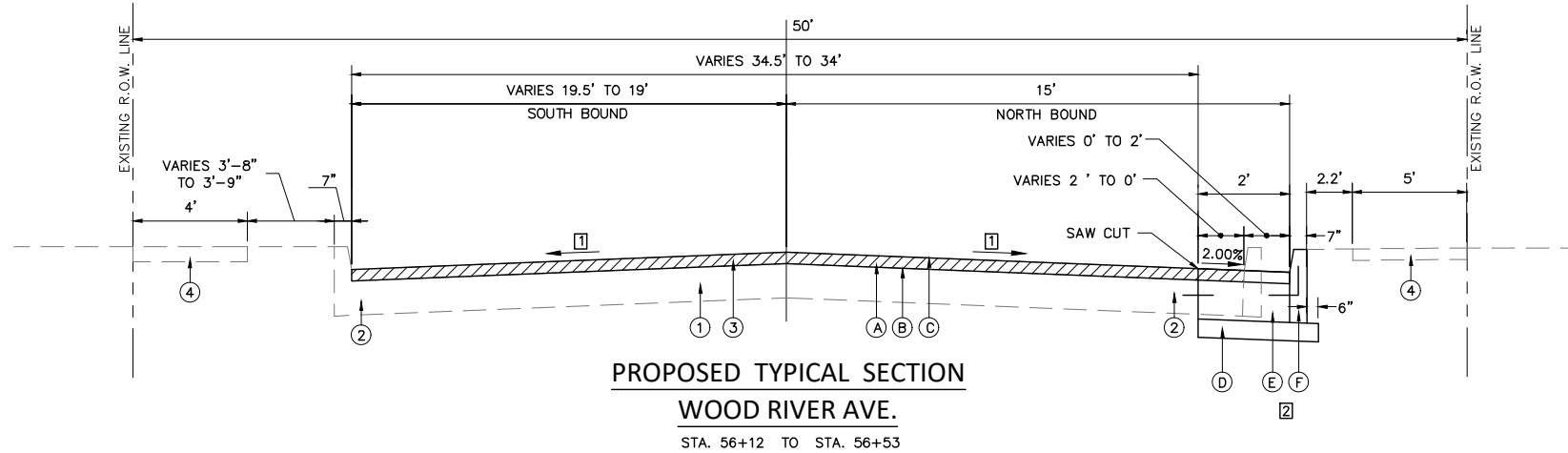
SMS Sheppard, Morgan & Schwab, Inc.
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 215 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000932

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 TYPICAL SECTIONS

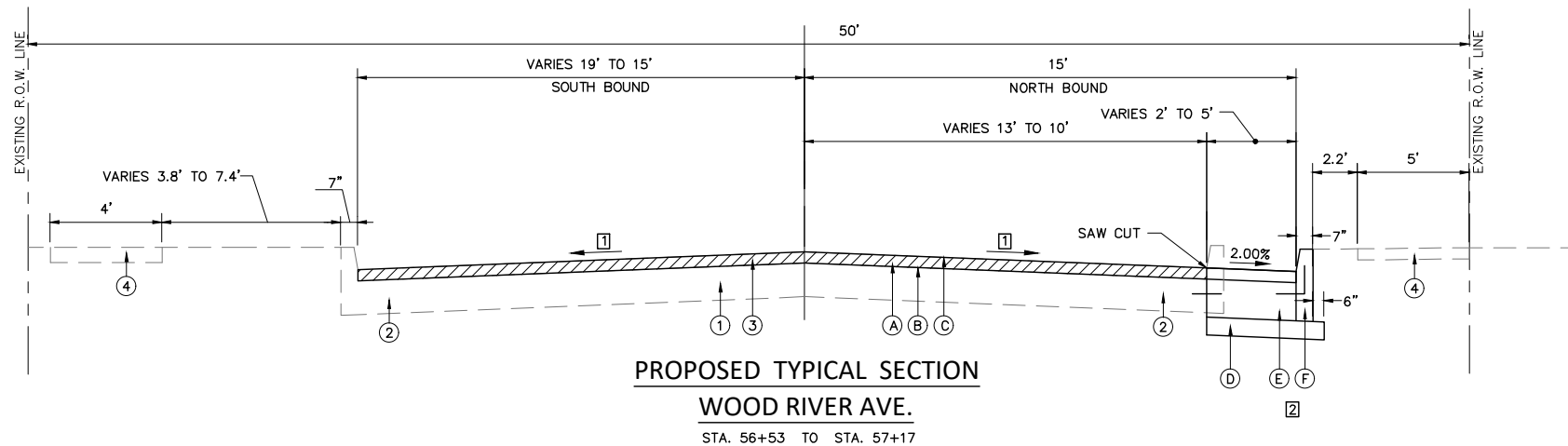
CONTRACT NO.
 97840

REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	

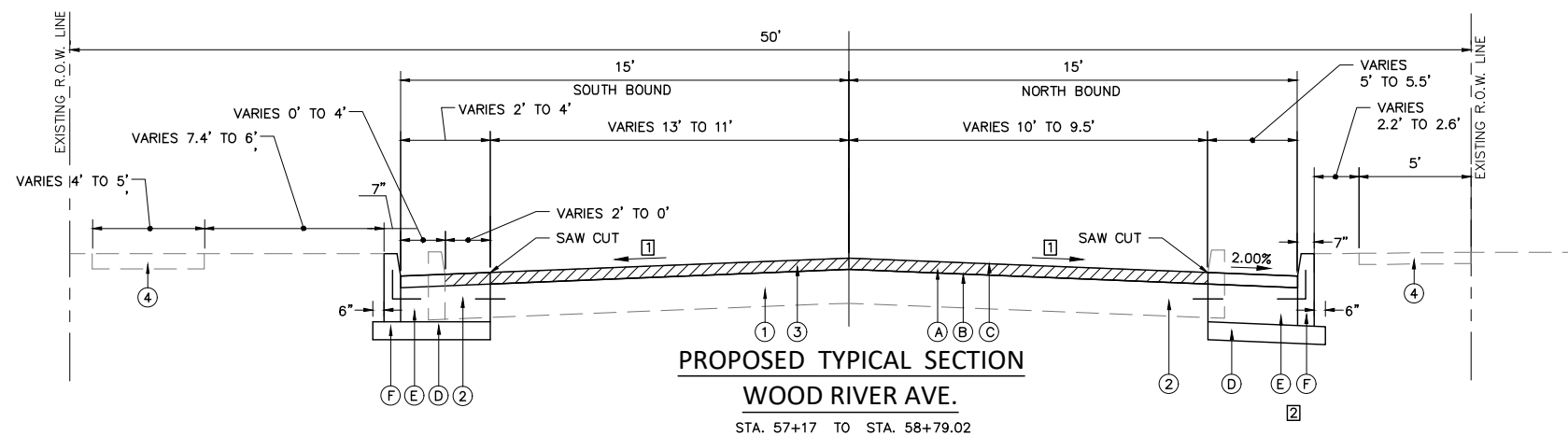
SCALE: 1" = 4'
 SHEET 8 OF 44



PROPOSED TYPICAL SECTION
WOOD RIVER AVE.
 STA. 56+12 TO STA. 56+53



PROPOSED TYPICAL SECTION
WOOD RIVER AVE.
 STA. 56+53 TO STA. 57+17



PROPOSED TYPICAL SECTION
WOOD RIVER AVE.
 STA. 57+17 TO STA. 58+79.02

PAVING LEGEND

- ① EXISTING P.C.C. PAVEMENT, 8"
- ② EXISTING P.C.C. PAVEMENT WIDENING WITH MONOLITHIC CONCRETE CURB, TYPE B
- ③ EXISTING HMA SURFACE, 1-1/2"
- ④ EXISTING P.C.C. SIDEWALK, 4"
- ⑤ EXISTING C.C.C.&G. TYPE B-6.24
- * ⑥ EXISTING HMA BINDER (2-3" LAYERS)
- * ⑦ EXISTING AGGREGATE BASE COURSE TY.A, 8"
- * ⑧ EXISTING C.C.C.&G. TYPE B-6.18
- Ⓐ PROPOSED HMA SURFACE REMOVAL, 1-1/2", SHOWN AS
- Ⓑ PROPOSED BITUMINOUS MATERIALS (TACK COAT) (NTEA)
- Ⓒ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "C", N70, 1-1/2"
- Ⓓ PROPOSED AGGREGATE BASE COURSE, TYPE A, 4"
- Ⓔ PROPOSED P.C.C. BASE COURSE WIDENING, 8"
- Ⓕ PROPOSED CONCRETE CURB, TYPE B
- Ⓖ PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "C", N70, 2"
- Ⓗ PROPOSED C.C.C.&G. TYPE B-6.18
- Ⓘ PROPOSED P.C.C. SIDEWALK 4 INCH

TYPICAL SECTION NOTES

- Ⓜ MATCH EXISTING CROSS SLOPE WHICH IS 1.5% TO 2.0%
- * THESE ITEMS ARE TO BE CONSTRUCTED BY THE SEWER SEPARATION CONTRACTOR.

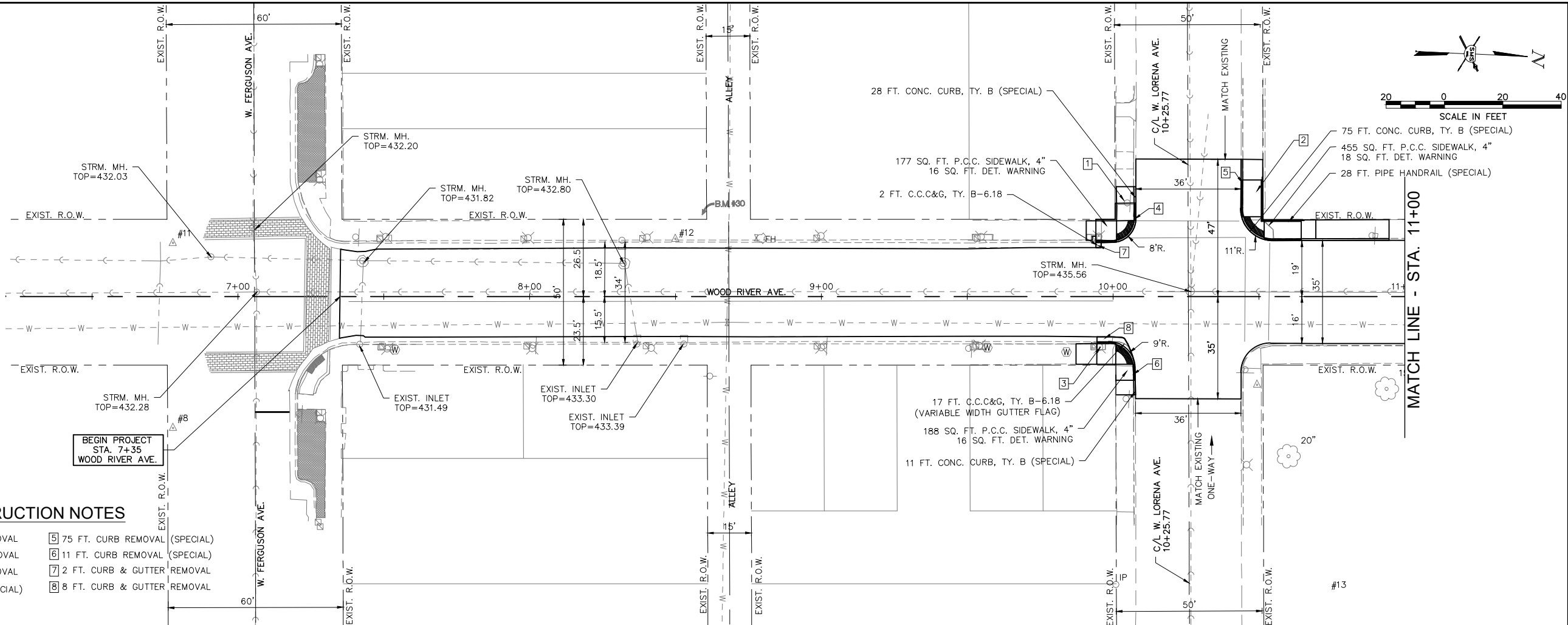
REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000932
ENGINEERS

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 TYPICAL SECTIONS

CONTRACT NO.
97840

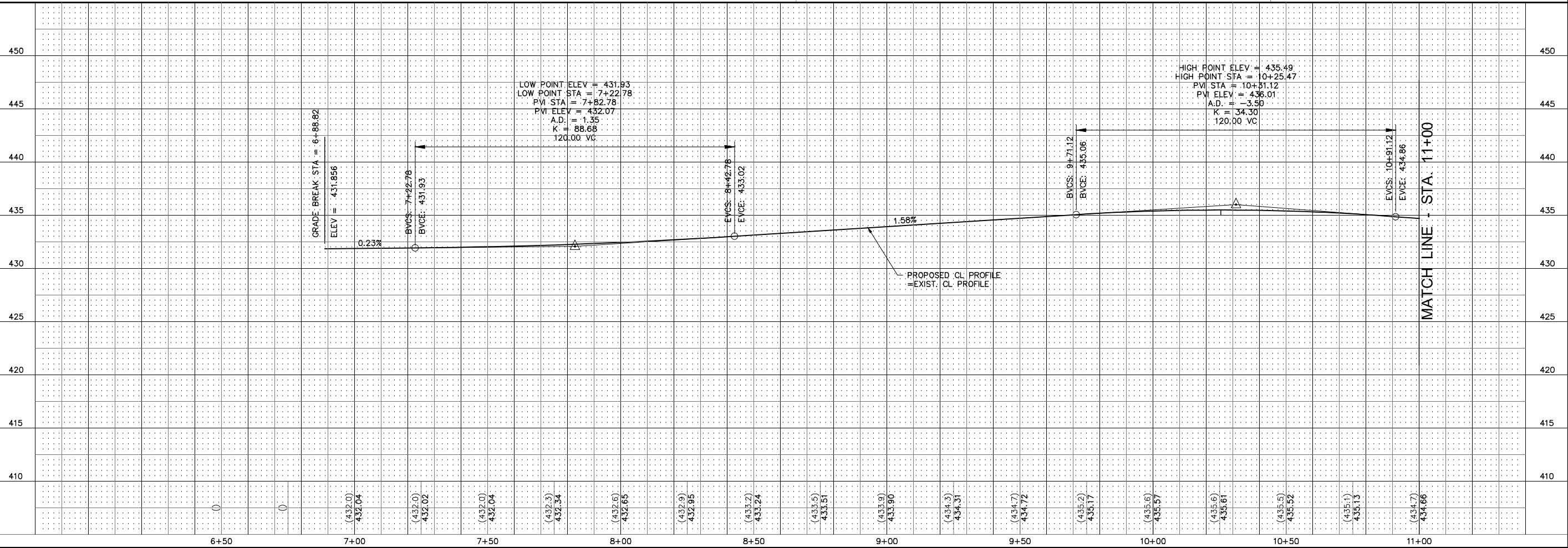
REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	



CONSTRUCTION NOTES

- 1 177 SQ. FT. SIDEWALK REMOVAL
- 2 450 SQ. FT. SIDEWALK REMOVAL
- 3 199 SQ. FT. SIDEWALK REMOVAL
- 4 28 FT. CURB REMOVAL (SPECIAL)
- 5 75 FT. CURB REMOVAL (SPECIAL)
- 6 11 FT. CURB REMOVAL (SPECIAL)
- 7 2 FT. CURB & GUTTER REMOVAL
- 8 8 FT. CURB & GUTTER REMOVAL

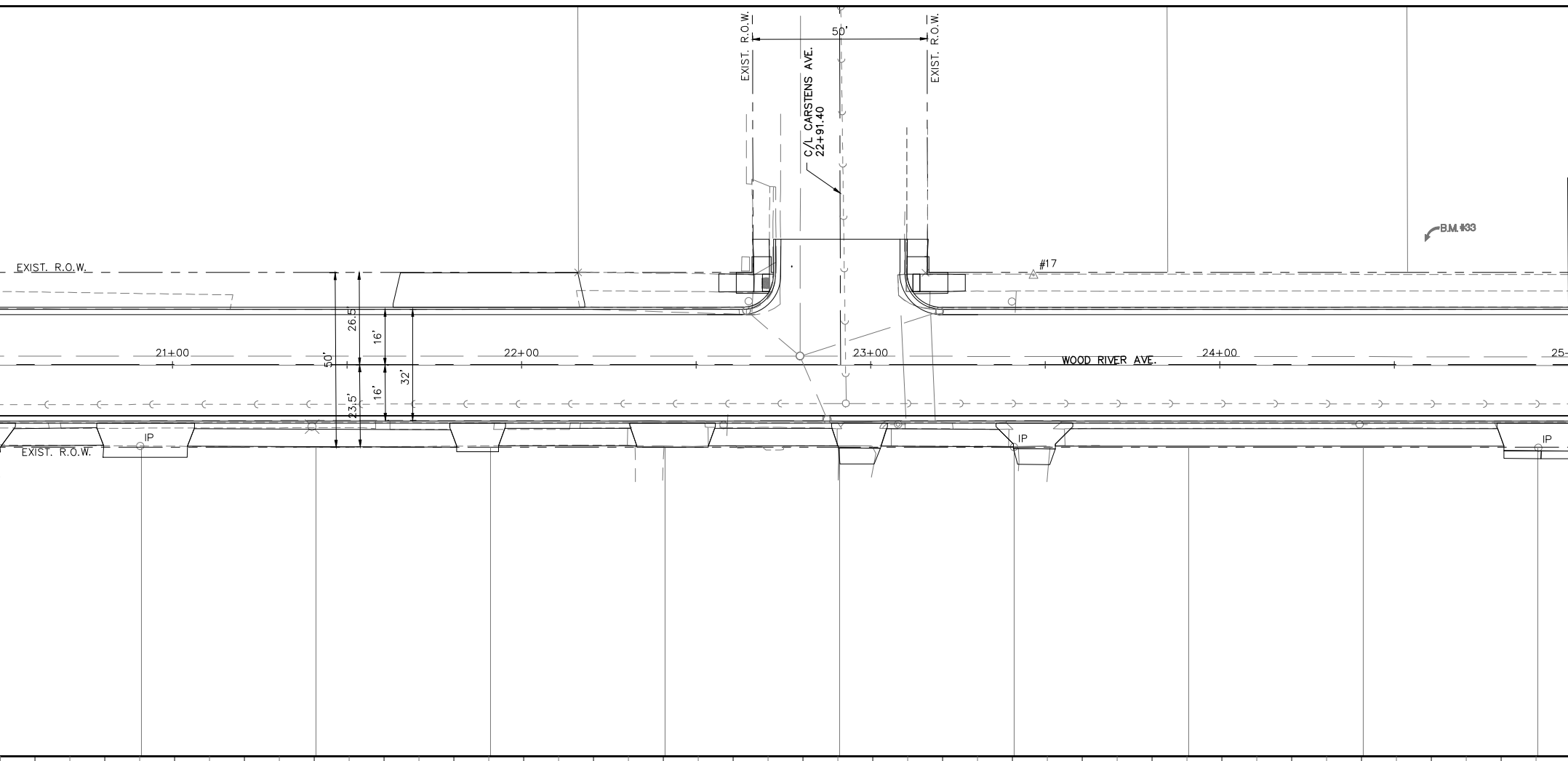
BEGIN PROJECT
STA. 7+35
WOOD RIVER AVE.



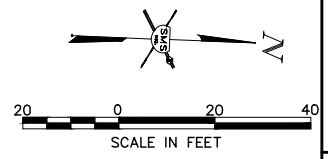
SMS ENGINEERS
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 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9155 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE
 CONTRACT NO. 97840
 REF. BK. PG.
 JOB NO. 489470.1
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: NOVEMBER, 2025
 SCALE: HORZ: 1" = 20'
 VERT: 1" = 5'
 SHEET 10 OF 44

MATCH LINE - STA. 20+50



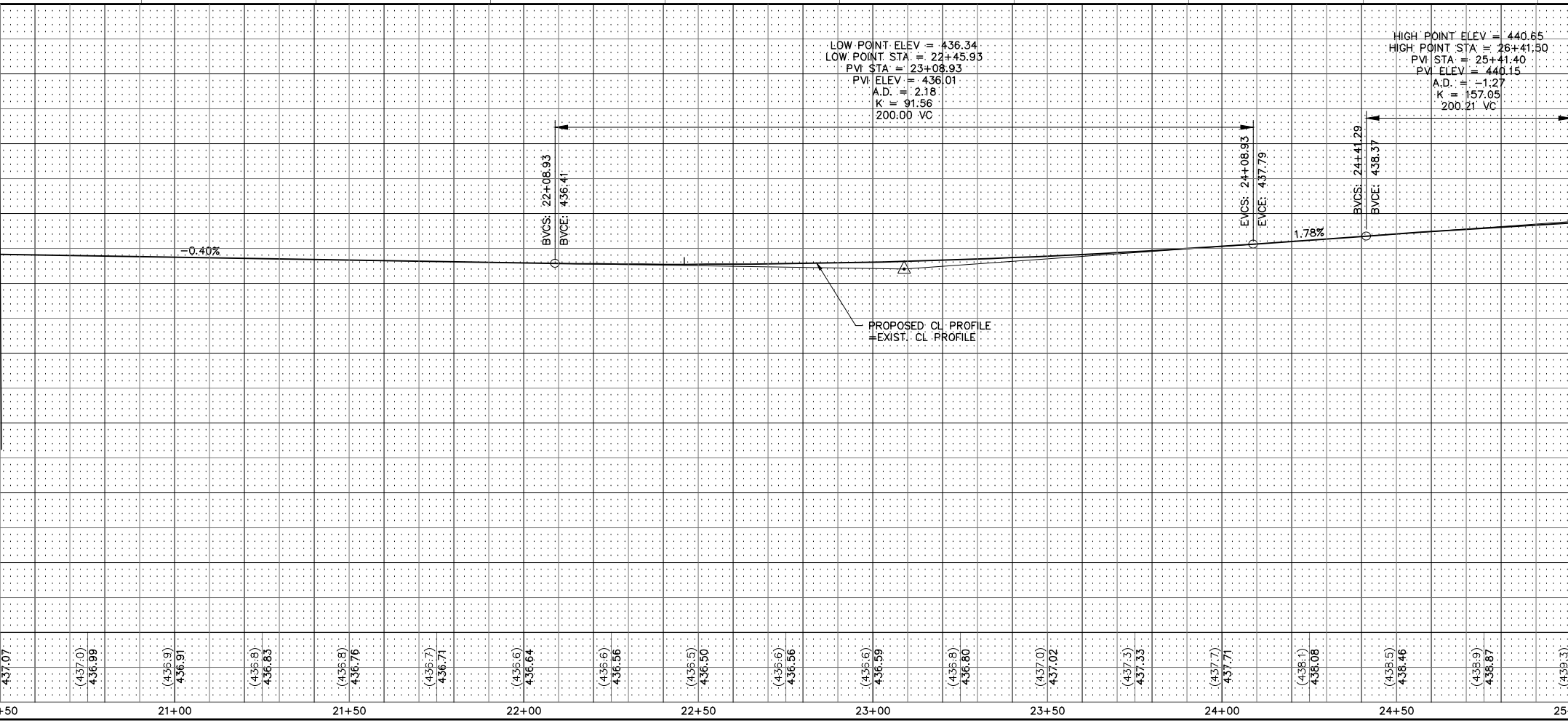
MATCH LINE - STA. 25+00



REVISIONS

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 DESIGN FIRM # 184-000992

MATCH LINE - STA. 20+50



MATCH LINE - STA. 25+00

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE

CONTRACT NO.
 97840

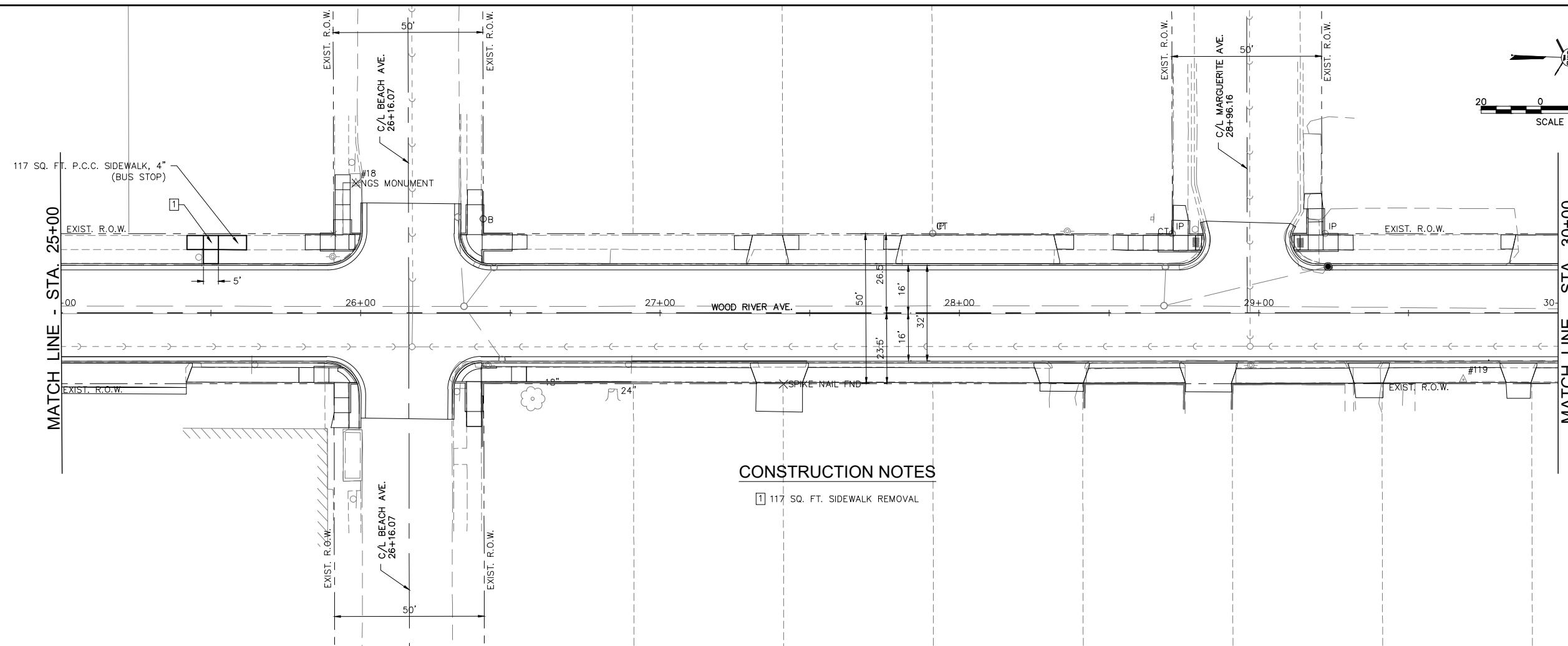
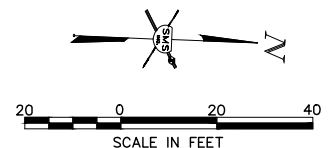
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 DWN. BY: CDP
 CHK. BY: DEG
 DATE: NOVEMBER, 2025

SCALE: HORZ: 1" = 20'
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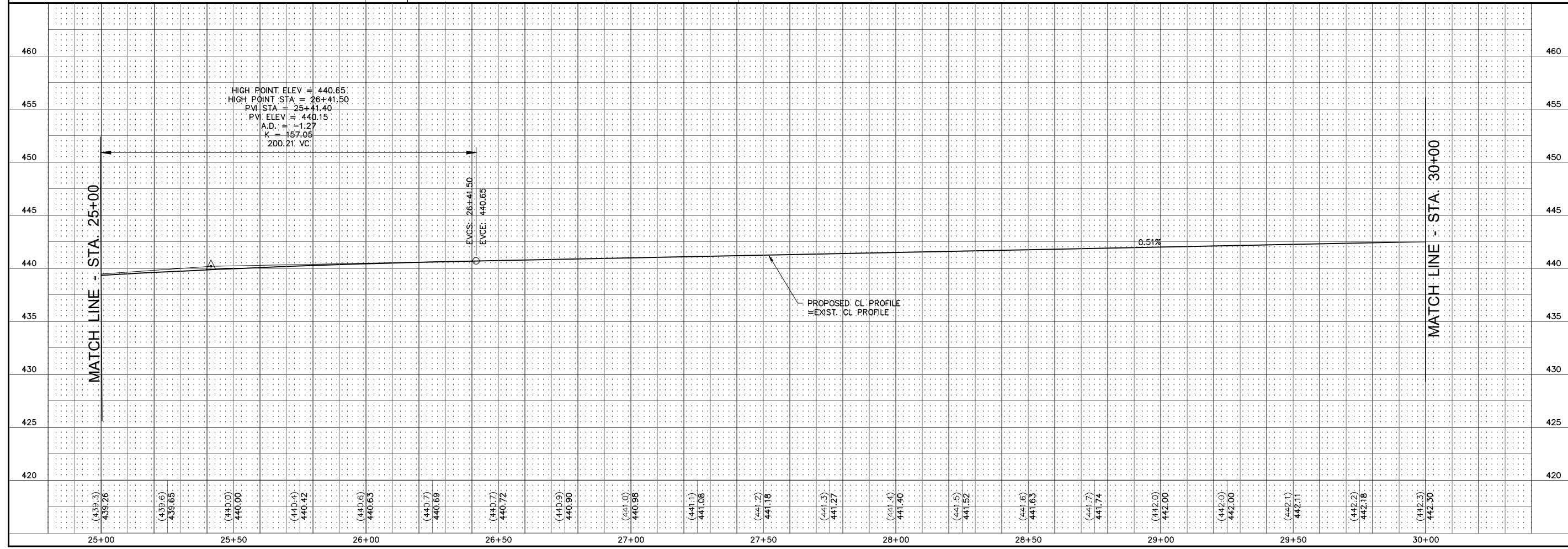
SHEET 13 OF 44

20+50 21+00 21+50 22+00 22+50 23+00 23+50 24+00 24+50 25+00

(437.1) 437.07 (437.0) 436.99 (436.9) 436.91 (436.8) 436.83 (436.8) 436.76 (436.7) 436.71 (436.6) 436.64 (436.6) 436.56 (436.5) 436.50 (436.6) 436.56 (436.6) 436.59 (436.6) 436.80 (437.0) 437.02 (437.3) 437.33 (437.7) 437.71 (438.1) 438.08 (438.5) 438.46 (438.9) 438.87 (439.3) 439.26



CONSTRUCTION NOTES
 [1] 117 SQ. FT. SIDEWALK REMOVAL



NO.	REVISIONS

SMS ENGINEERS
 Sheppard, Morgan & Schwab, Inc.
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 215 Market Street P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
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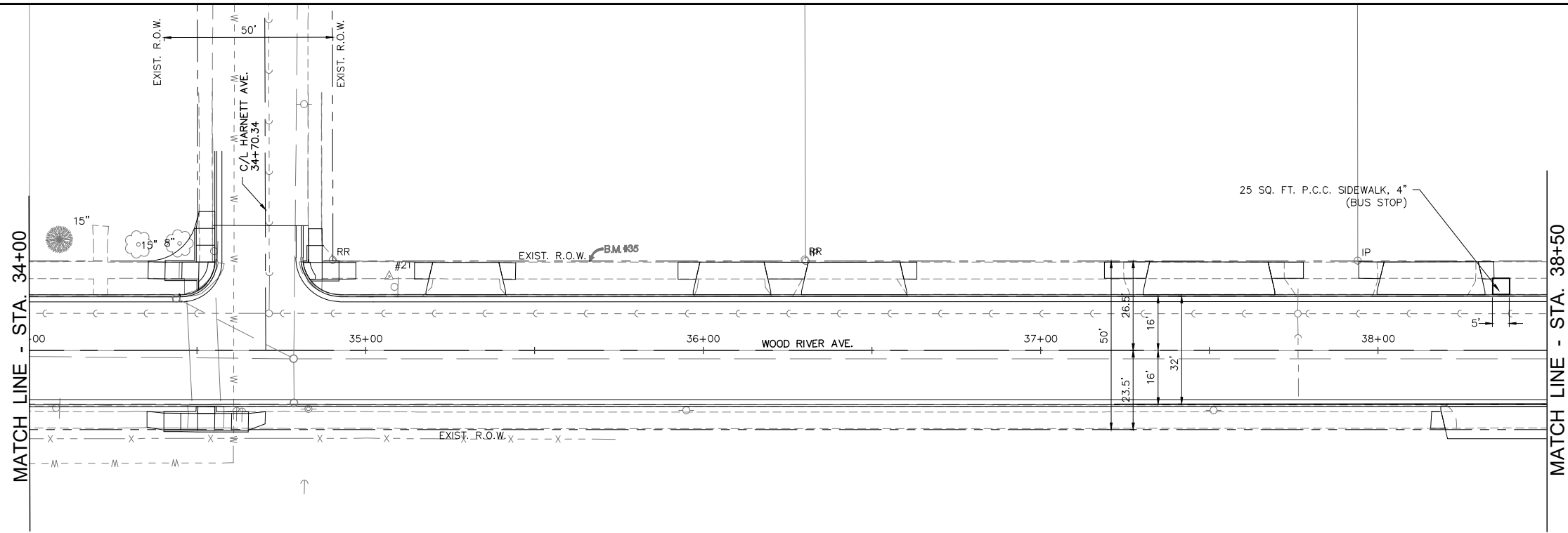
CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE

CONTRACT NO.
97840

REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	

SCALE: HORZ: 1" = 20'
 VERT: 1" = 5'

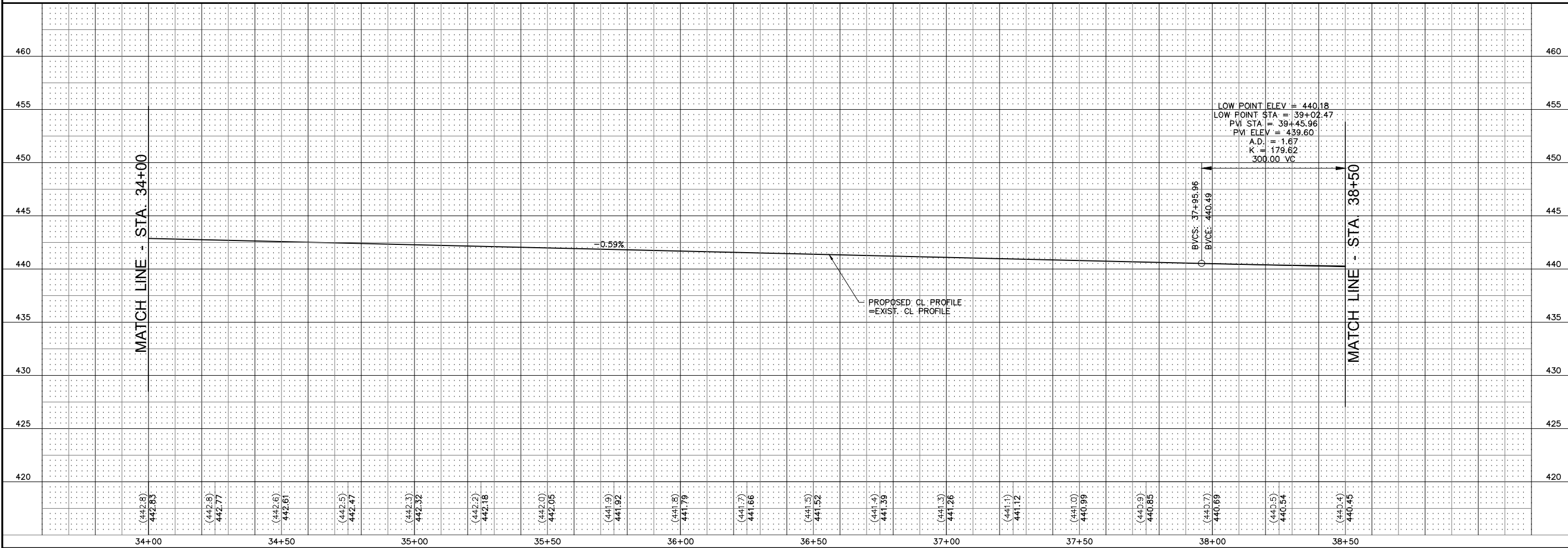
SHEET 14 OF 44



CONSTRUCTION NOTES

NO.	REVISIONS

SMS ENGINEERS
 Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mal@smsengineers.com
 DESIGN FIRM # 184-000992

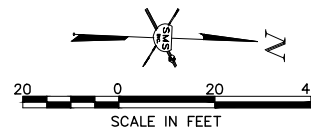
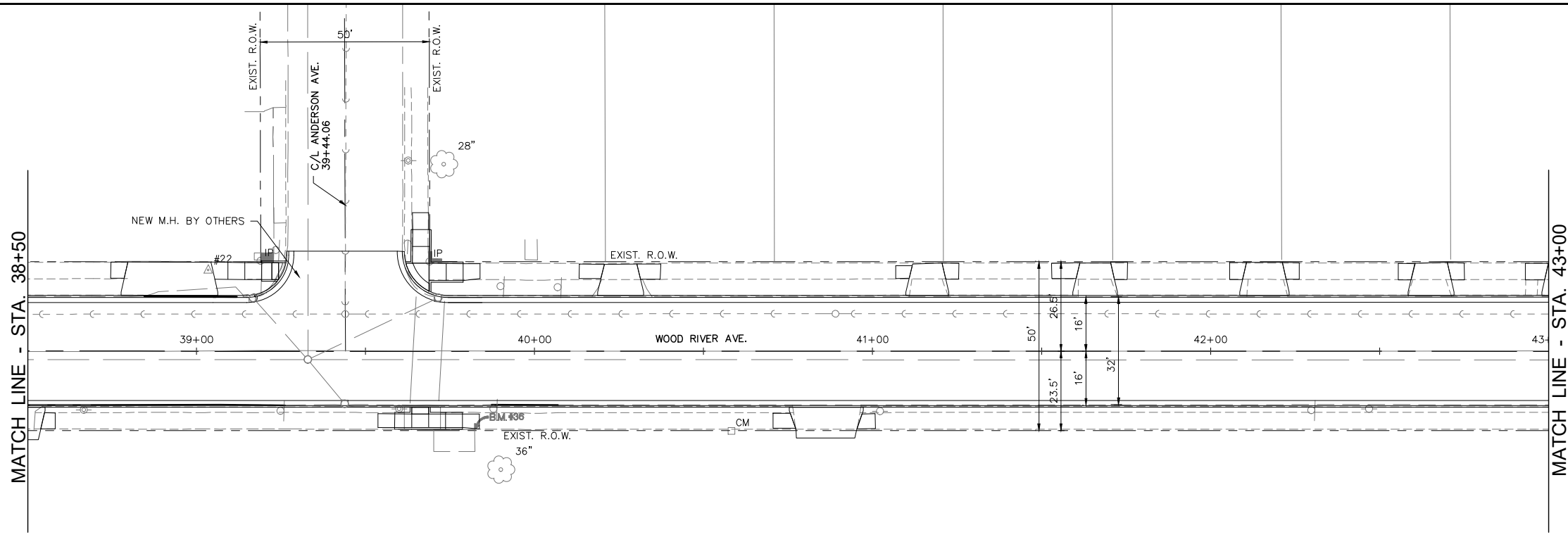


CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE

CONTRACT NO.
 97840

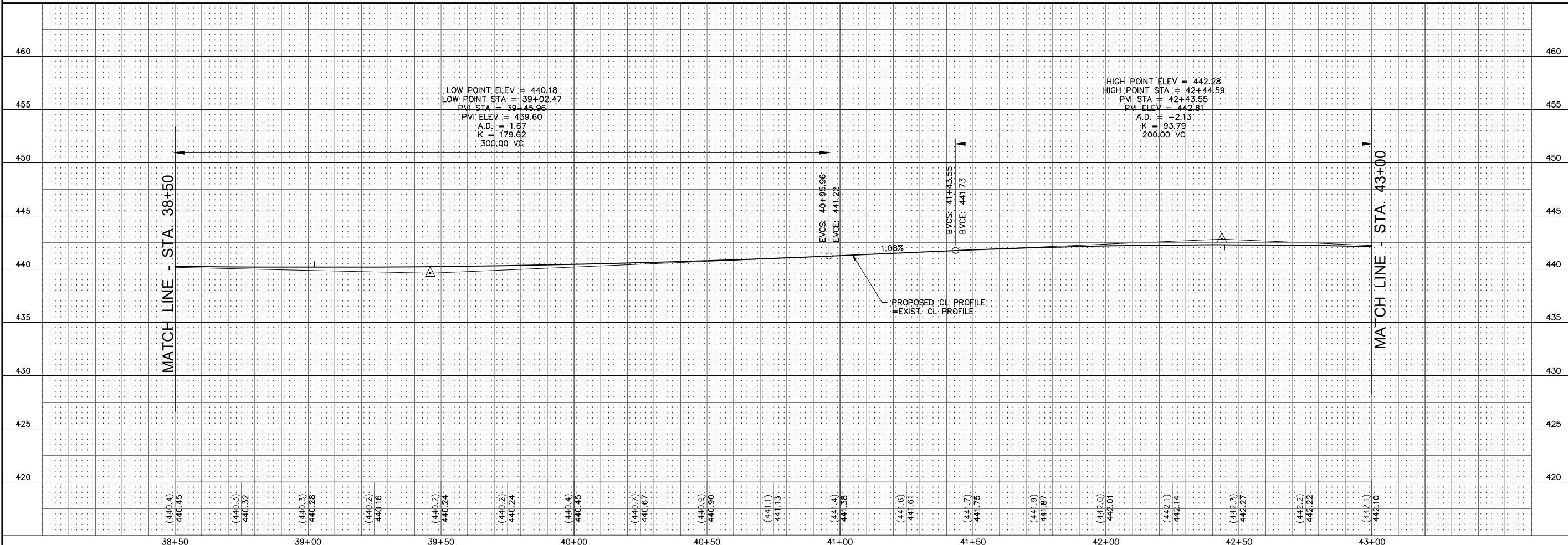
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 JOB NO. 489470.1
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: NOVEMBER, 2025

SCALE: HORIZ: 1" = 20'
 VERT: 1" = 5'



NO.	DESCRIPTION

SMS ENGINEERS
 Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: mal@smsengineers.com
 DESIGN FIRM # 184-000992



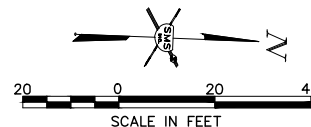
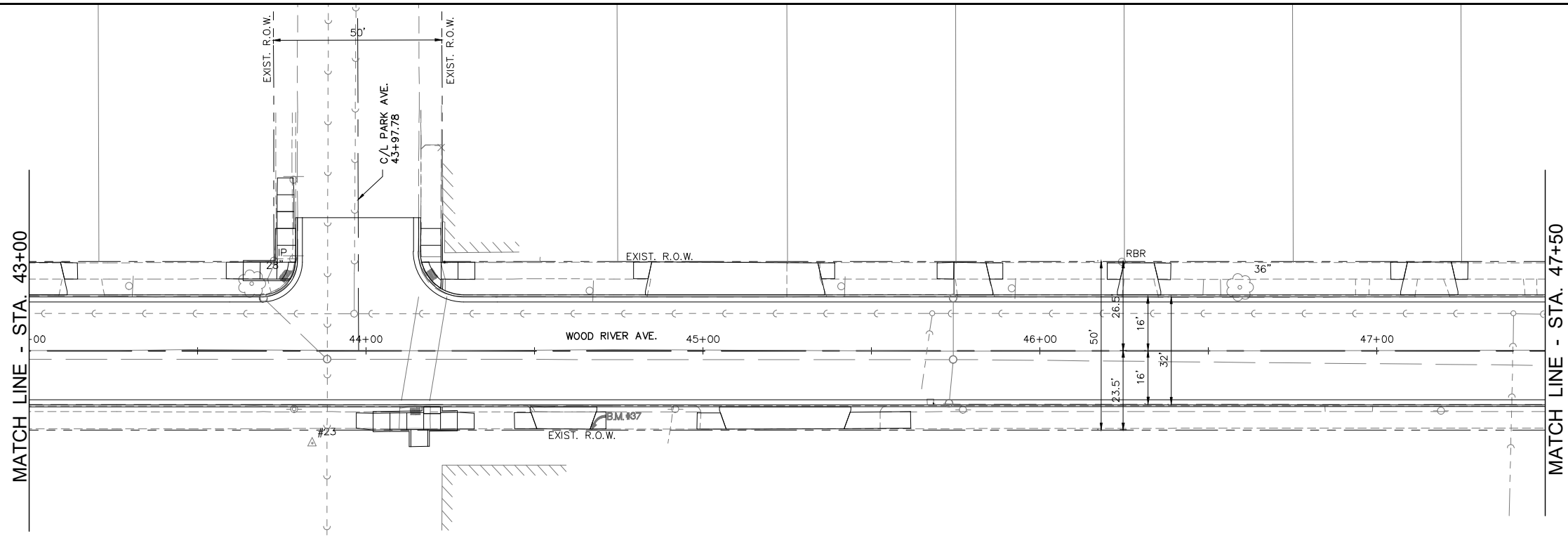
CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE

CONTRACT NO.
 97840

REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
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CHK. BY: DEG	
DATE: NOVEMBER, 2025	

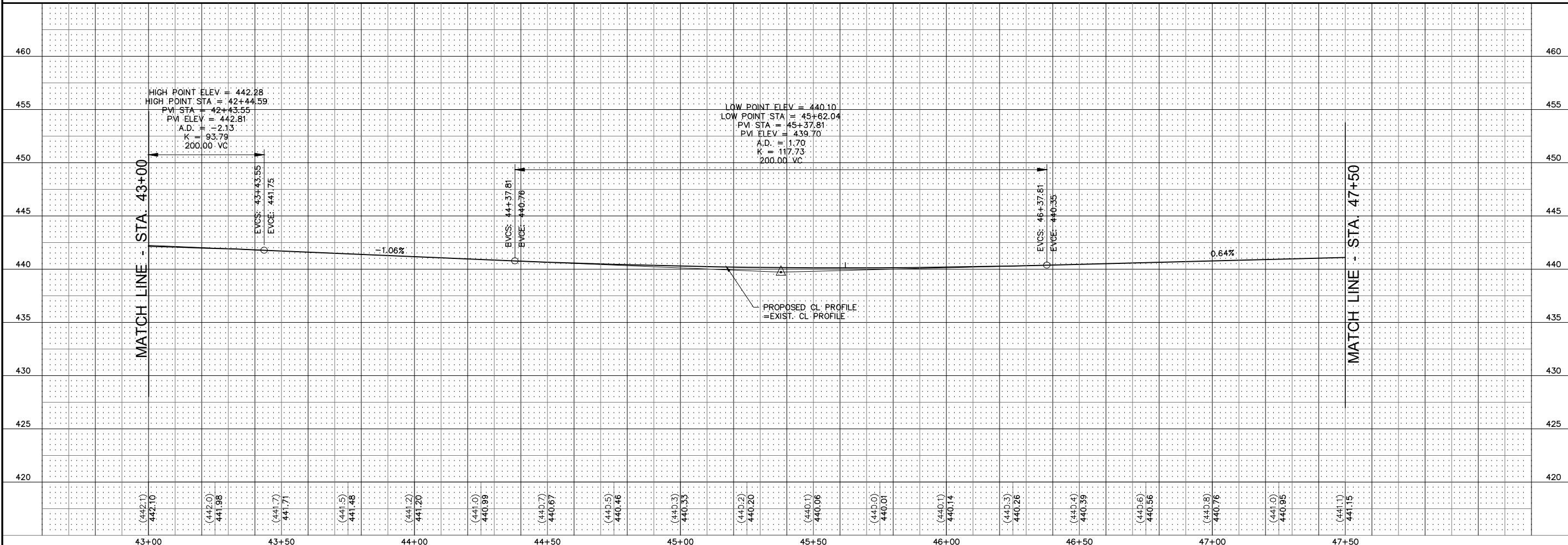
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 VERT: 1" = 5'

SHEET 17 OF 44



NO.	DESCRIPTION

SMS ENGINEERS
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 DESIGN FIRM # 184-000992



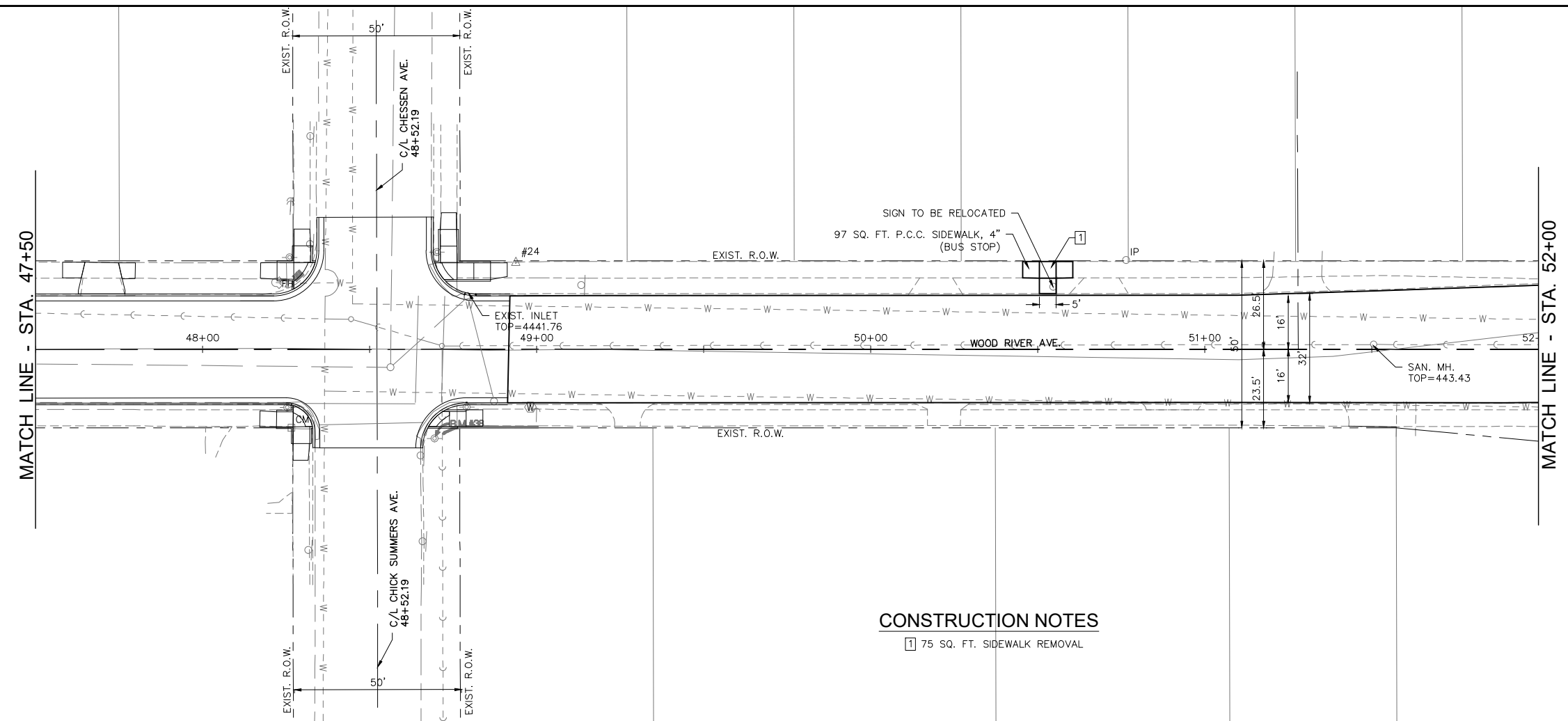
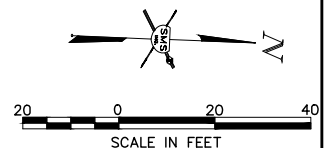
CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE

CONTRACT NO.
 97840

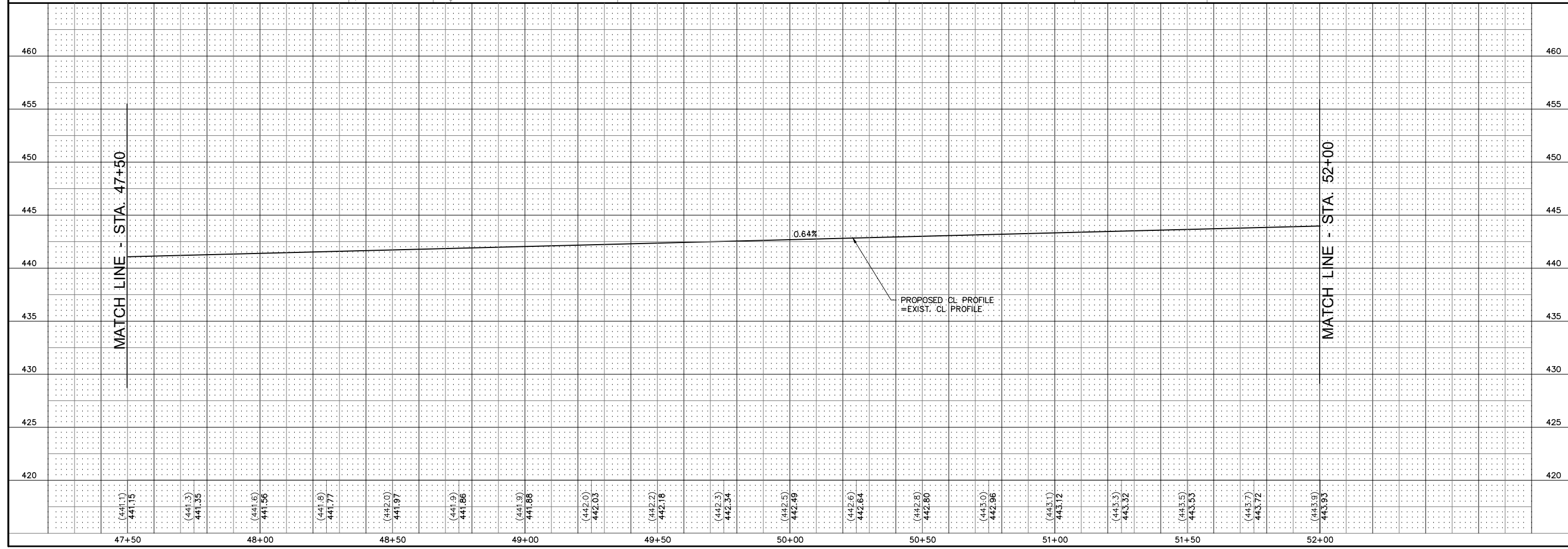
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 JOB NO. 489470.1
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 DWN. BY: CDP
 CHK. BY: DEG
 DATE: NOVEMBER, 2025

SCALE: HORZ: 1" = 20'
 VERT: 1" = 5'

SHEET 18 OF 44



CONSTRUCTION NOTES
 [1] 75 SQ. FT. SIDEWALK REMOVAL



REVISIONS

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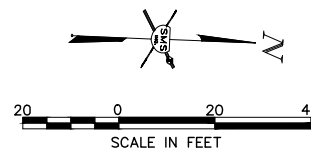
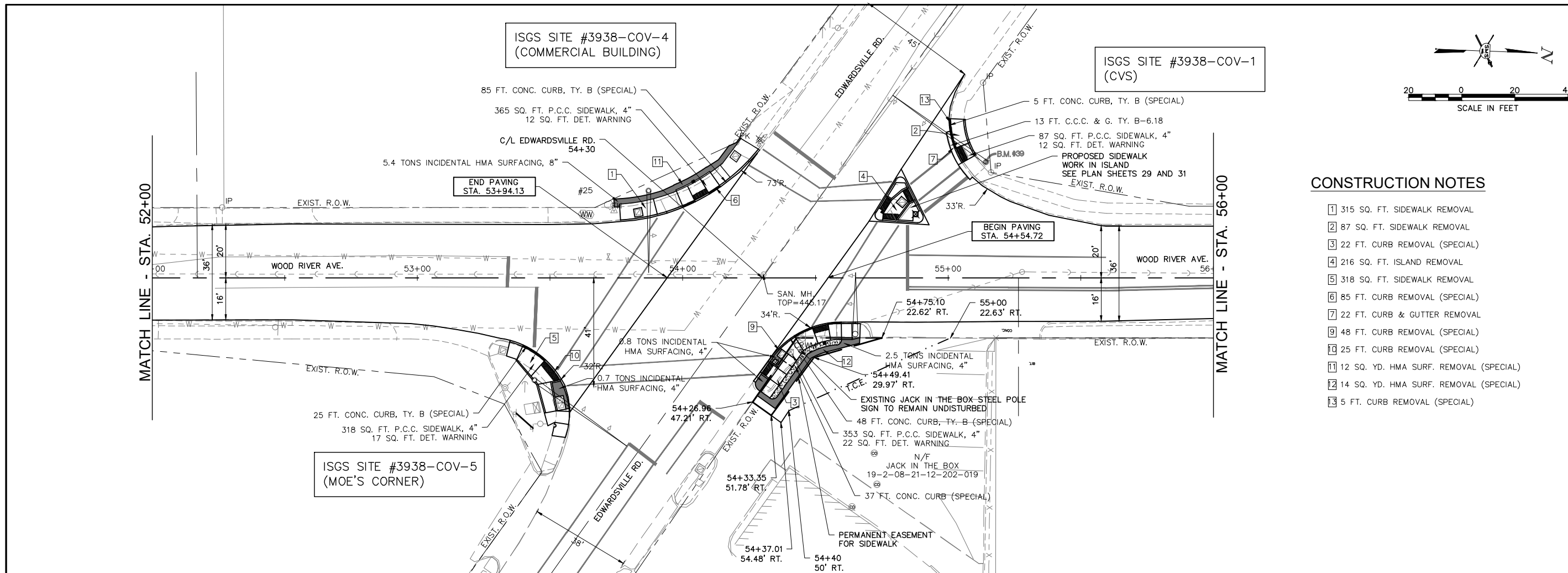
CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE

CONTRACT NO.
97840

REF. BK. PG.
 JOB NO. 489470.1
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: NOVEMBER, 2025

SCALE: HORZ: 1" = 20'
 VERT: 1" = 5'

SHEET 19 OF 44

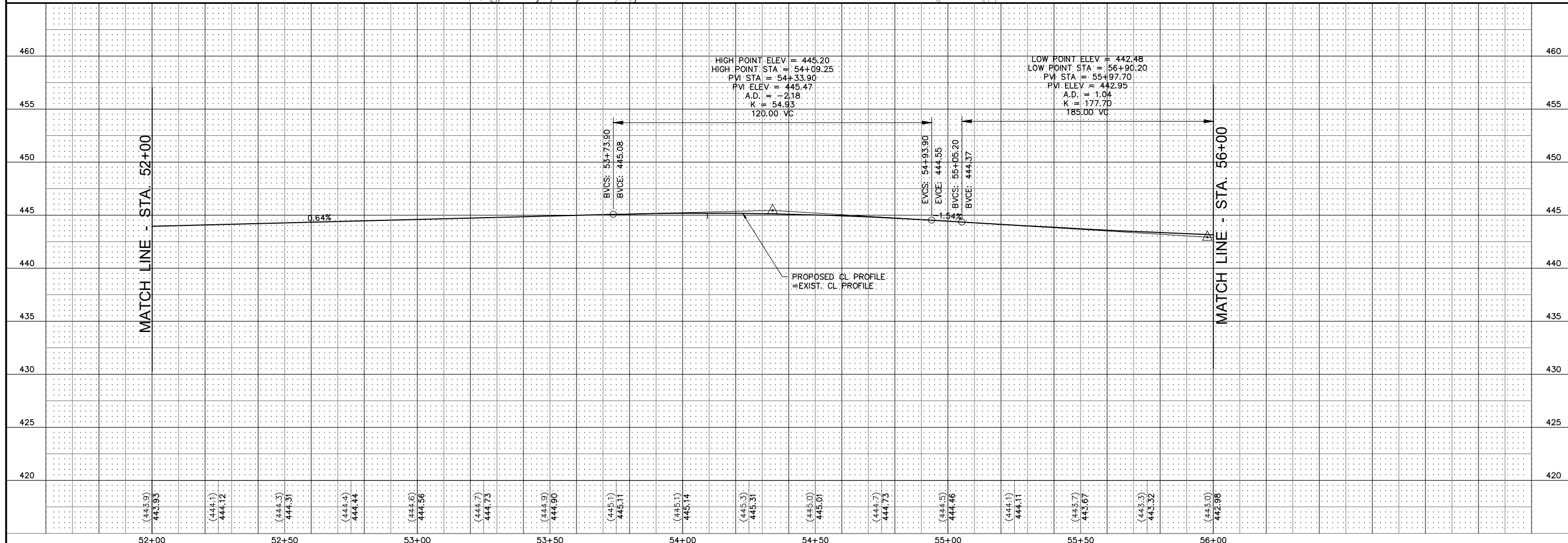


CONSTRUCTION NOTES

- 1 315 SQ. FT. SIDEWALK REMOVAL
- 2 87 SQ. FT. SIDEWALK REMOVAL
- 3 22 FT. CURB REMOVAL (SPECIAL)
- 4 216 SQ. FT. ISLAND REMOVAL
- 5 318 SQ. FT. SIDEWALK REMOVAL
- 6 85 FT. CURB REMOVAL (SPECIAL)
- 7 22 FT. CURB & GUTTER REMOVAL
- 8 48 FT. CURB REMOVAL (SPECIAL)
- 9 25 FT. CURB REMOVAL (SPECIAL)
- 10 12 SQ. YD. HMA SURF. REMOVAL (SPECIAL)
- 11 14 SQ. YD. HMA SURF. REMOVAL (SPECIAL)
- 12 5 FT. CURB REMOVAL (SPECIAL)

NO.	REVISIONS

SMS Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
ENGINEERS DESIGN FIRM # 184-000992



CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PLAN AND PROFILE

CONTRACT NO.
97840

REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	

SCALE: HORZ: 1" = 20'
 VERT: 1" = 5'

SHEET 20 OF 44

STORM SEWERS

- 1 ① TO ② 40 FT. - 12" SS1 @ 0.44%
5 CU. YD. T.B.
- 2 ② TO ③ 31 FT. - 12" SS1 @ 0.44%
4 CU. YD. T.B.
- 3 ③ TO ⑤ 20 FT. - 15" SS1 @ 0.32%
3 CU. YD. T.B.
- 4 ④ TO ⑤ 40 FT. - 12" SS1 @ 0.44%
6 CU. YD. T.B.
- 5 ⑤ TO ⑥ 19 FT. - 12" SS1 @ 0.44%
3 CU. YD. T.B.
TEMPORARY OUTLET
- 6 6 FT. PIPE DRAINS, 4" (SPECIAL)
- 7 7 FT. PIPE DRAINS, 4" (SPECIAL)
- 8 8 FT. PIPE DRAINS, 4" (SPECIAL)

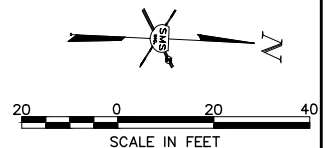
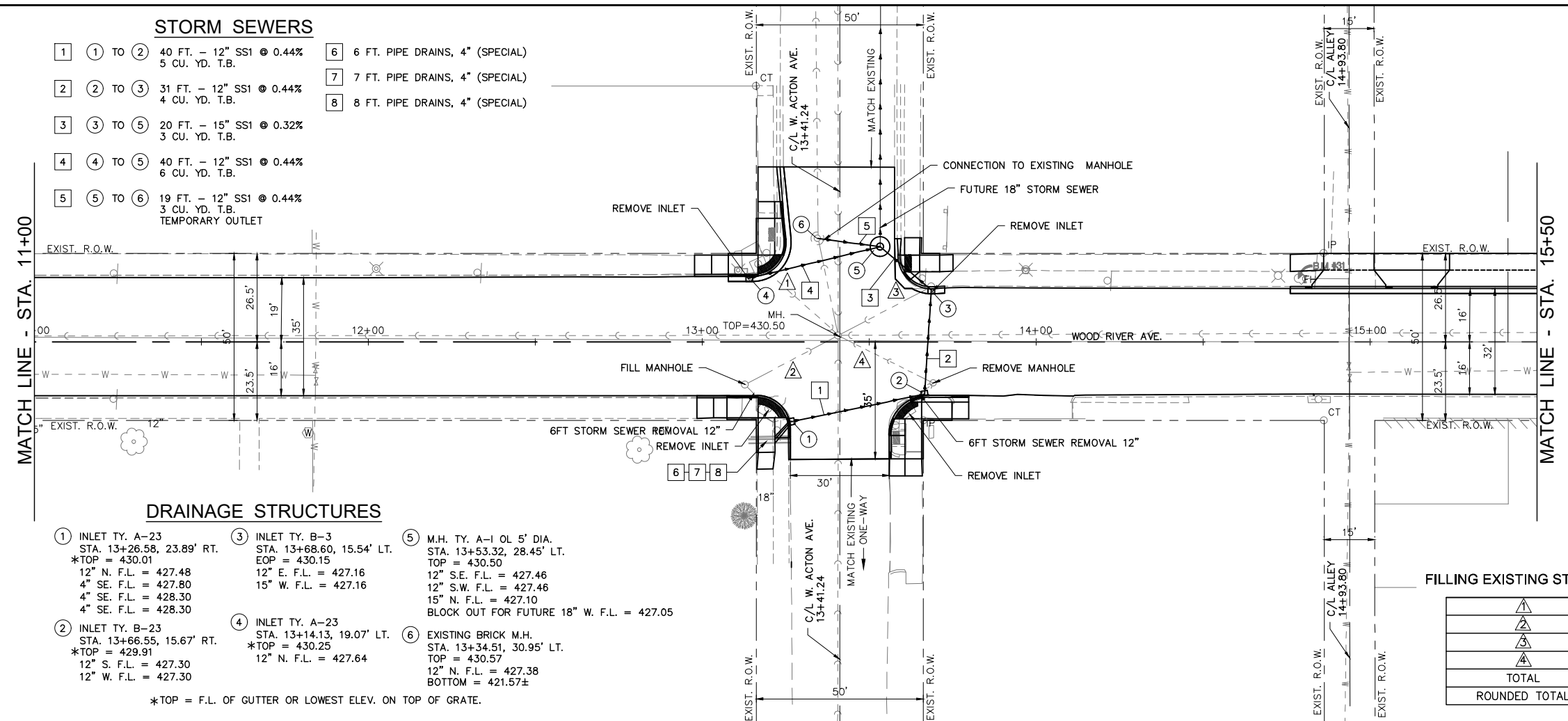
DRAINAGE STRUCTURES

- ① INLET TY. A-23
STA. 13+26.58, 23.89' RT.
*TOP = 430.01
12" N. F.L. = 427.48
4" SE. F.L. = 427.80
4" SE. F.L. = 428.30
4" SE. F.L. = 428.30
- ② INLET TY. B-23
STA. 13+66.55, 15.67' RT.
*TOP = 429.91
12" S. F.L. = 427.30
12" W. F.L. = 427.30
- ③ INLET TY. B-3
STA. 13+68.60, 15.54' LT.
EOP = 430.15
12" E. F.L. = 427.16
15" W. F.L. = 427.16
- ④ INLET TY. A-23
STA. 13+14.13, 19.07' LT.
*TOP = 430.25
12" N. F.L. = 427.64
- ⑤ M.H. TY. A-I OL 5' DIA.
STA. 13+53.32, 28.45' LT.
TOP = 430.50
12" S.E. F.L. = 427.46
12" S.W. F.L. = 427.46
15" N. F.L. = 427.10
BLOCK OUT FOR FUTURE 18" W. F.L. = 427.05
- ⑥ EXISTING BRICK M.H.
STA. 13+34.51, 30.95' LT.
TOP = 430.57
12" N. F.L. = 427.38
BOTTOM = 421.57±

*TOP = F.L. OF GUTTER OR LOWEST ELEV. ON TOP OF GRATE.

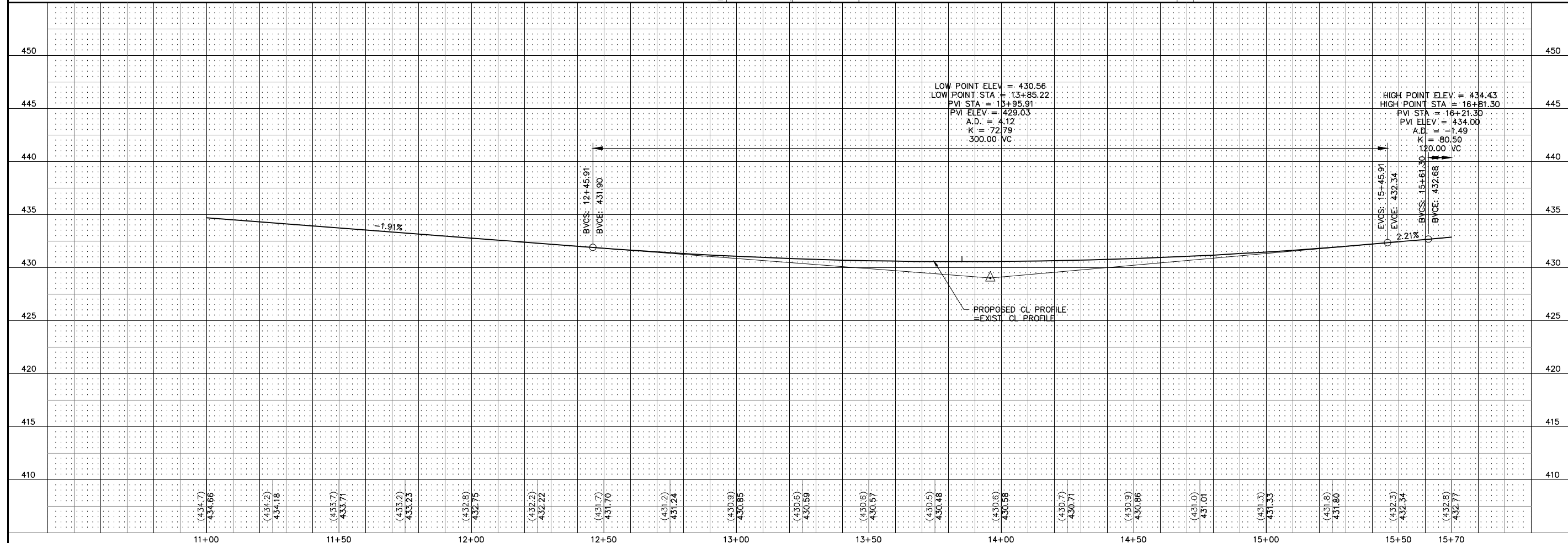
MATCH LINE - STA. 11+00

MATCH LINE - STA. 15+50



FILLING EXISTING STORM SEWERS SCHEDULE (CU.YD)

▲	12" X 31 FT	0.90
▲	12" X 29 FT	0.84
▲	12" X 30 FT	0.87
▲	12" X 31 FT	0.90
TOTAL		3.51
ROUNDED TOTAL		4



REVISIONS

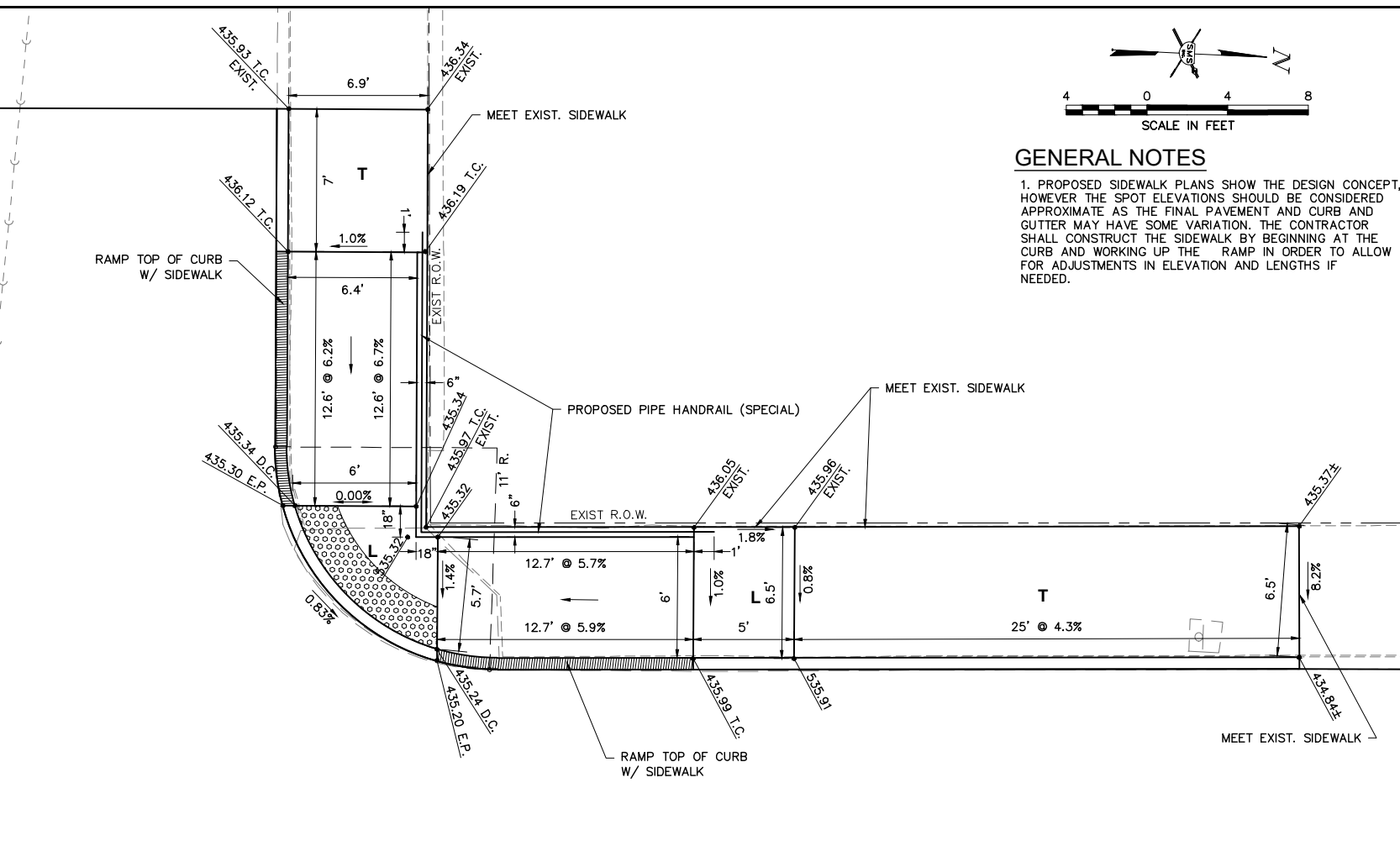
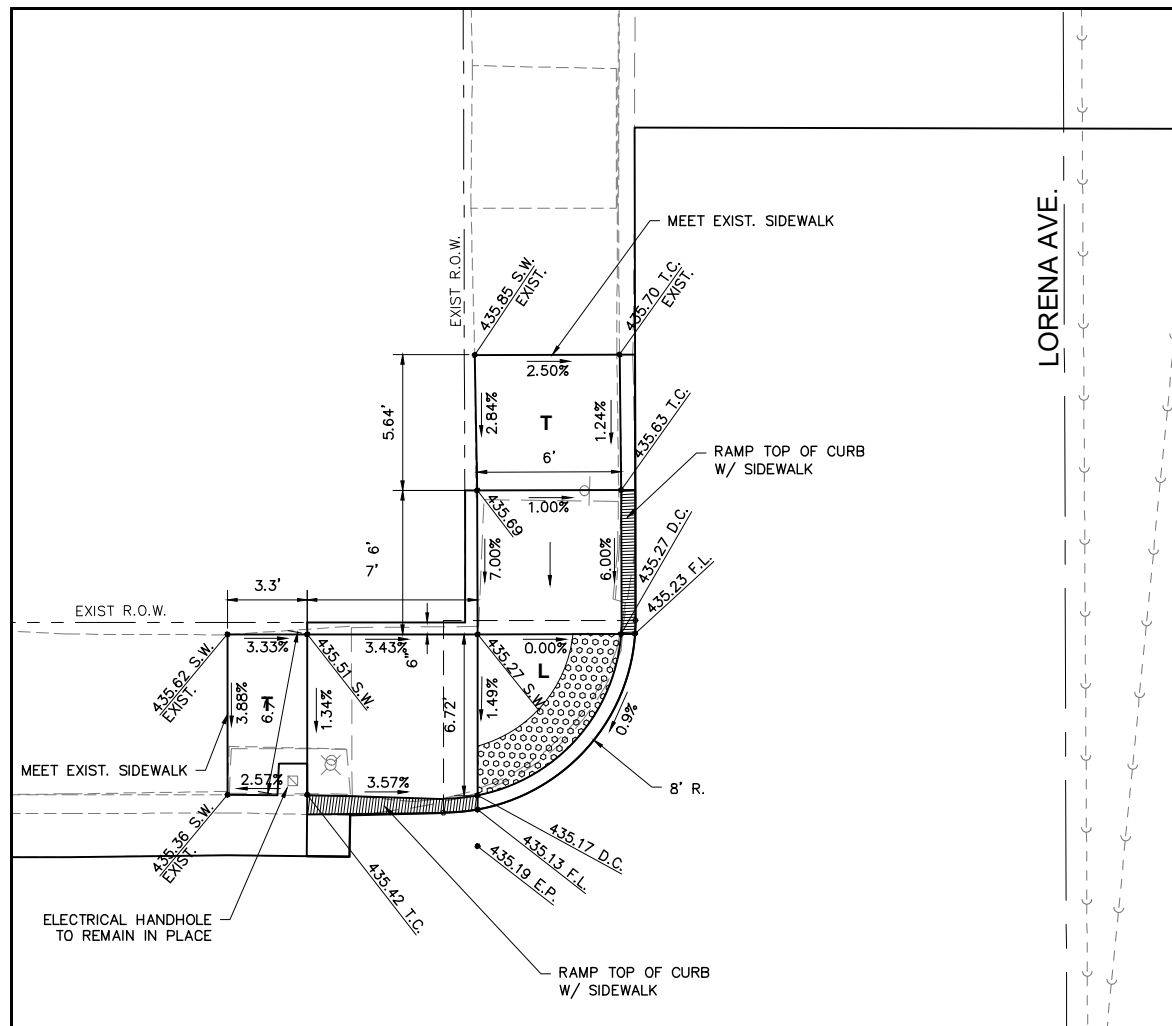
SMS Sheppard, Morgan & Schwab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618462-9155 E-mail: mail@smsengineers.com
ENGINEERS DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
SECTION 17-00048-00-RS
SECTION 18-00048-01-RS
WOOD RIVER AVENUE
STORM SEWER PLAN

CONTRACT NO.
97840

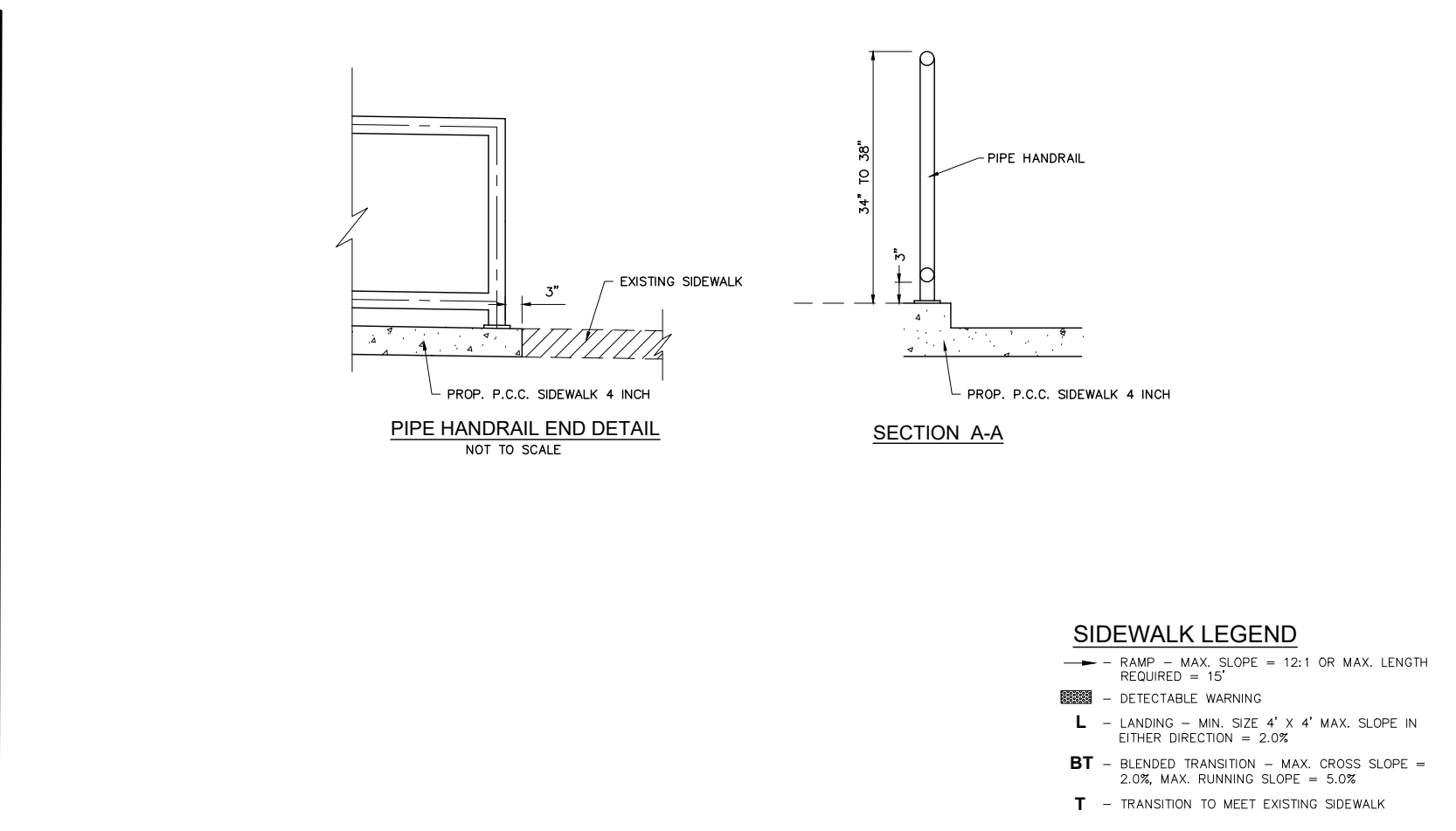
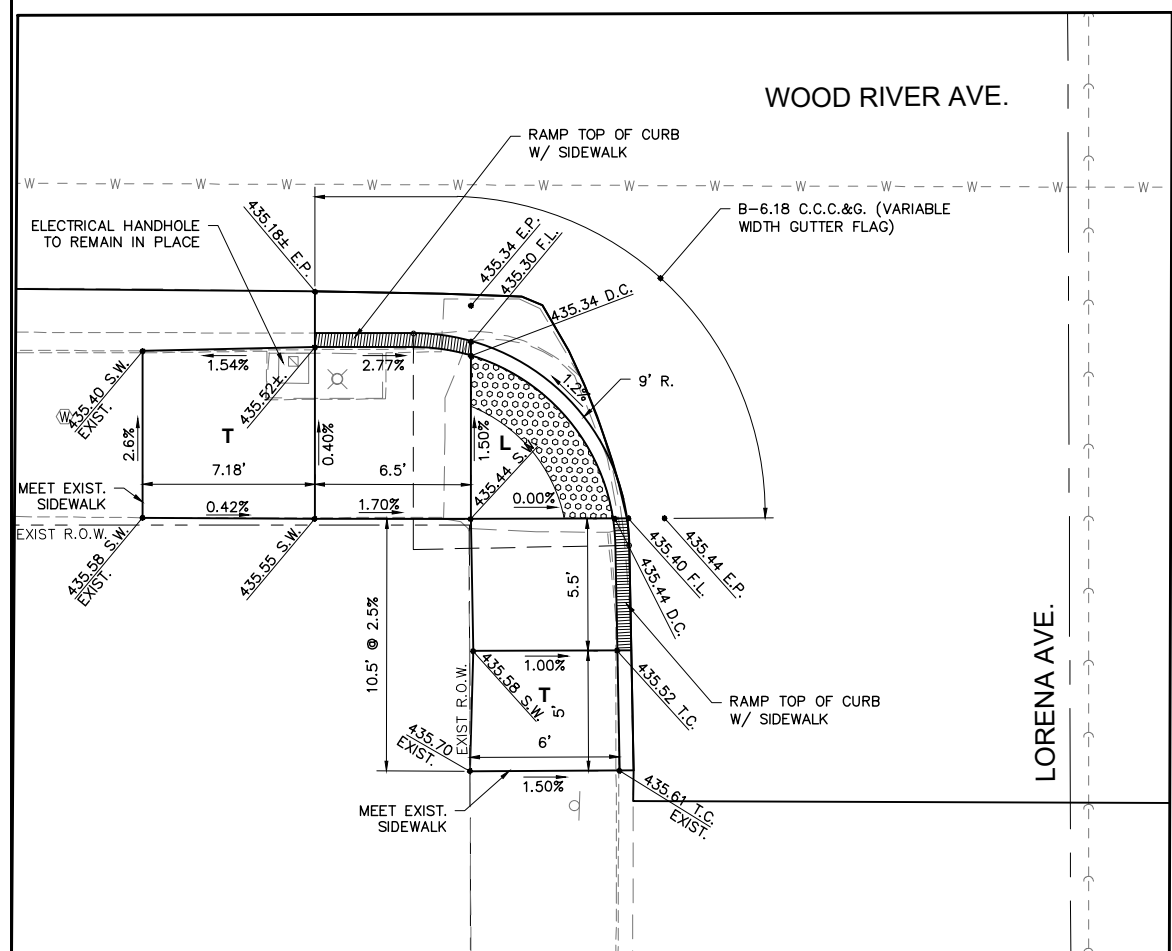
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JOB NO.	489470.1
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	NOVEMBER, 2025

SCALE: HORZ: 1" = 20'
VERT: 1" = 5'
SHEET 22 OF 44



GENERAL NOTES

1. PROPOSED SIDEWALK PLANS SHOW THE DESIGN CONCEPT, HOWEVER THE SPOT ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE AS THE FINAL PAVEMENT AND CURB AND GUTTER MAY HAVE SOME VARIATION. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK BY BEGINNING AT THE CURB AND WORKING UP THE RAMP IN ORDER TO ALLOW FOR ADJUSTMENTS IN ELEVATION AND LENGTHS IF NEEDED.



SIDEWALK LEGEND

— RAMP — MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'

■ — DETECTABLE WARNING

L — LANDING — MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%

BT — BLENDED TRANSITION — MAX. CROSS SLOPE = 2.0% MAX. RUNNING SLOPE = 5.0%

T — TRANSITION TO MEET EXISTING SIDEWALK

REVISIONS

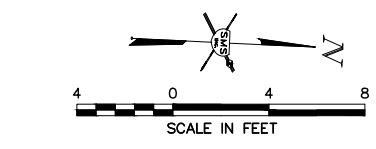
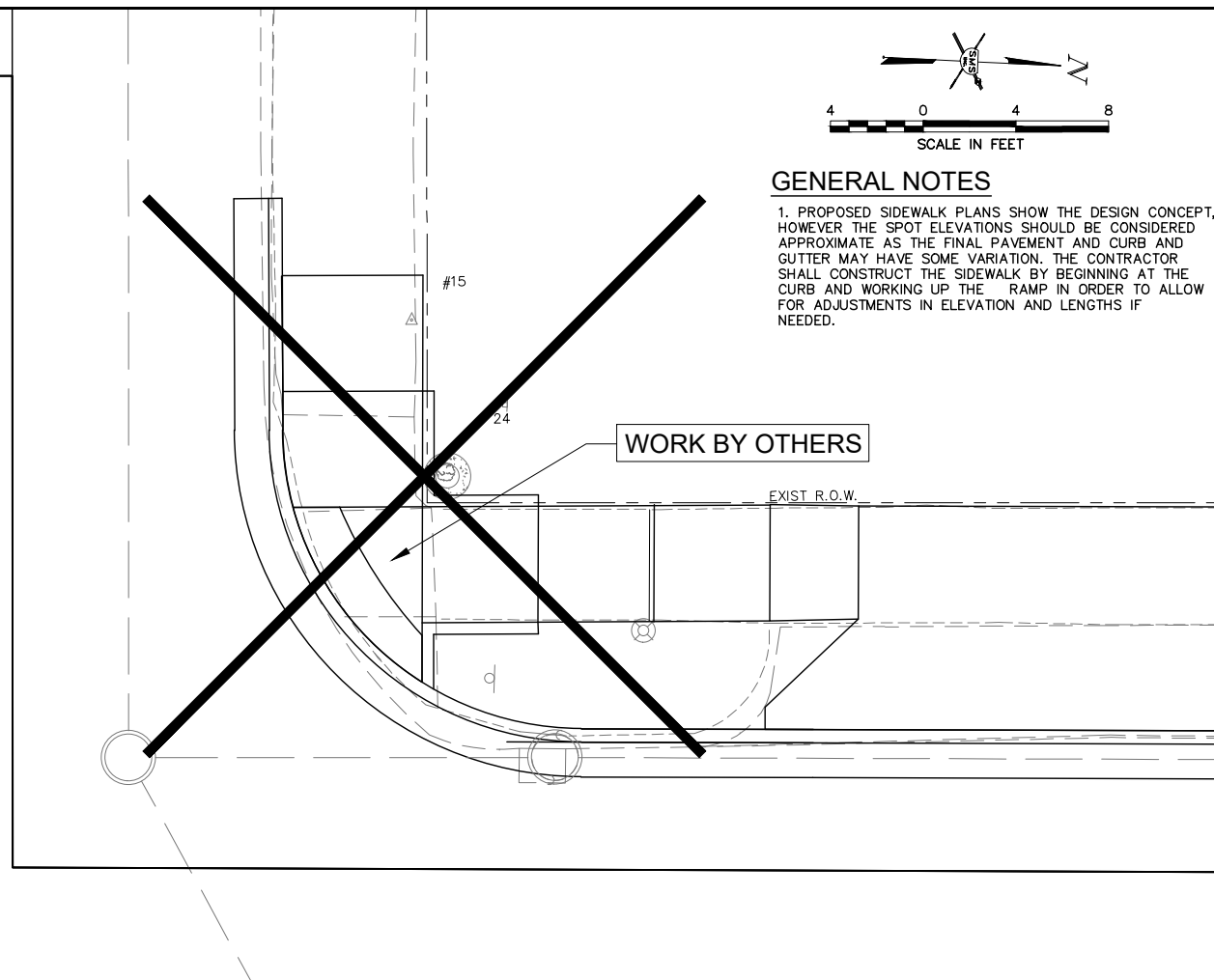
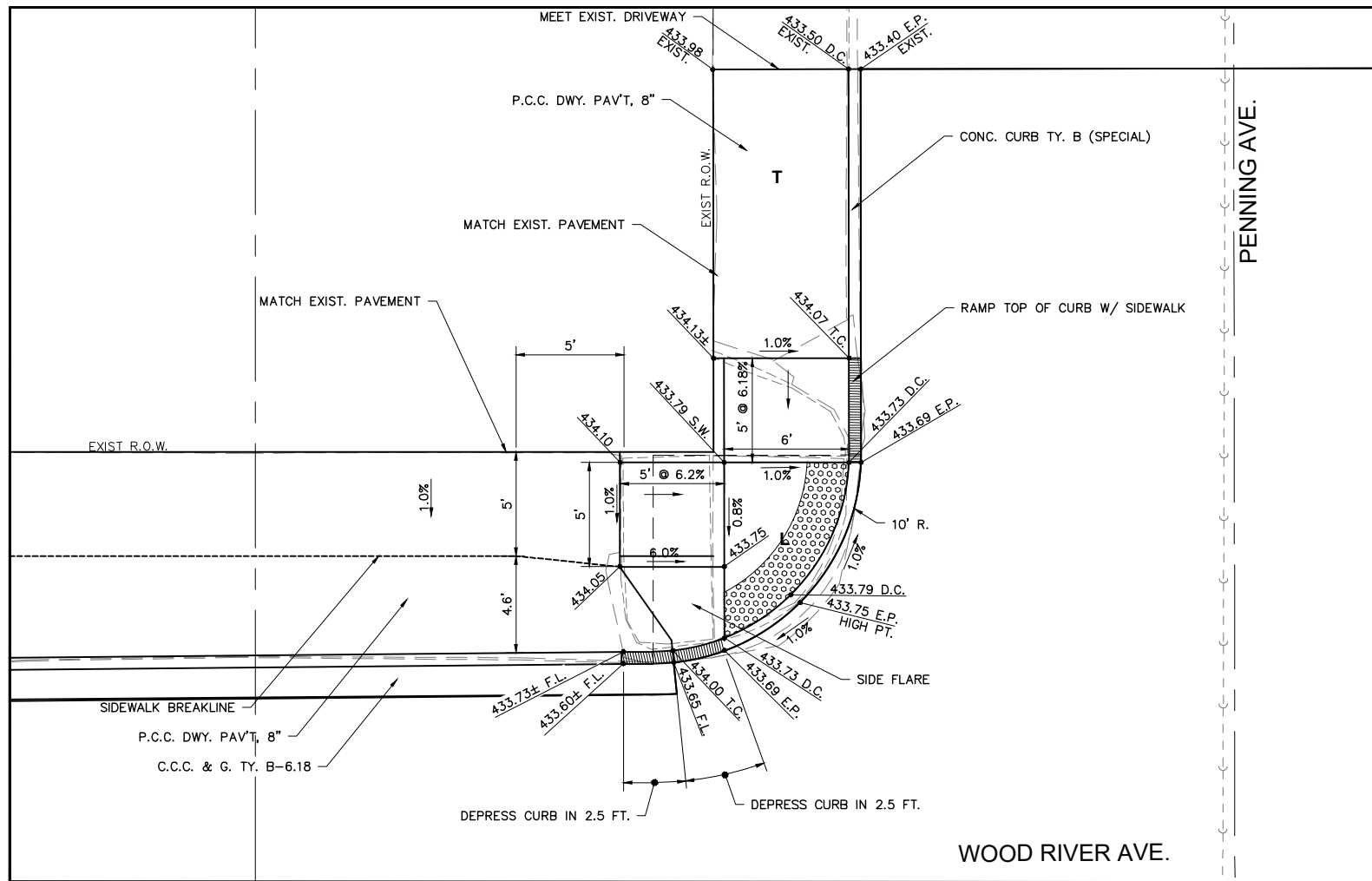
SMS Sheppard, Morgan & Schwab, Inc.
ENGINEERS
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
SECTION 17-00048-00-RS
SECTION 18-00048-01-RS
WOOD RIVER AVENUE
CONSTRUCTION DETAILS

CONTRACT NO. 97840
WR AVE CONST DETAILS.DWG

REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	

SCALE: 1"=4'
SHEET 25 OF 44

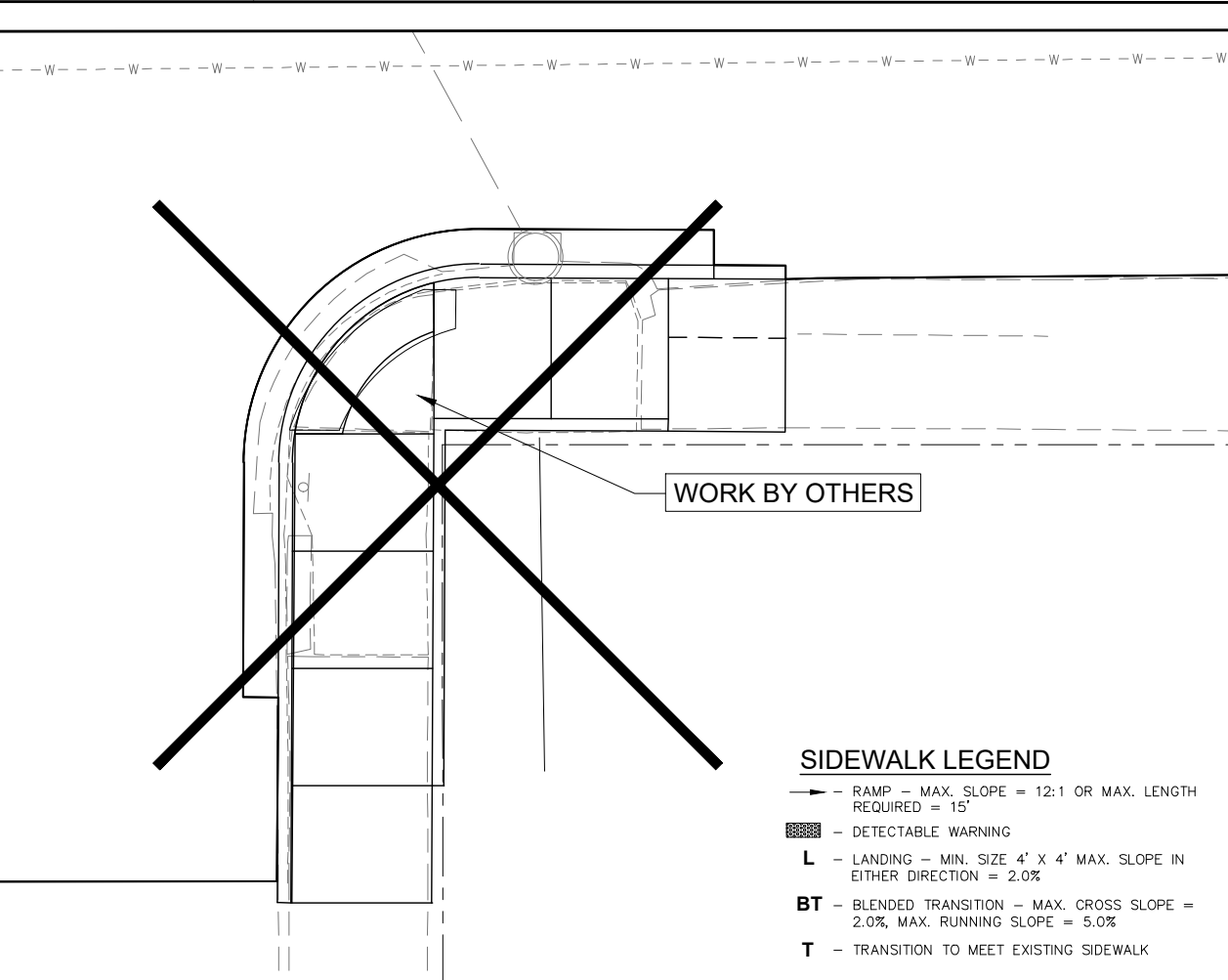
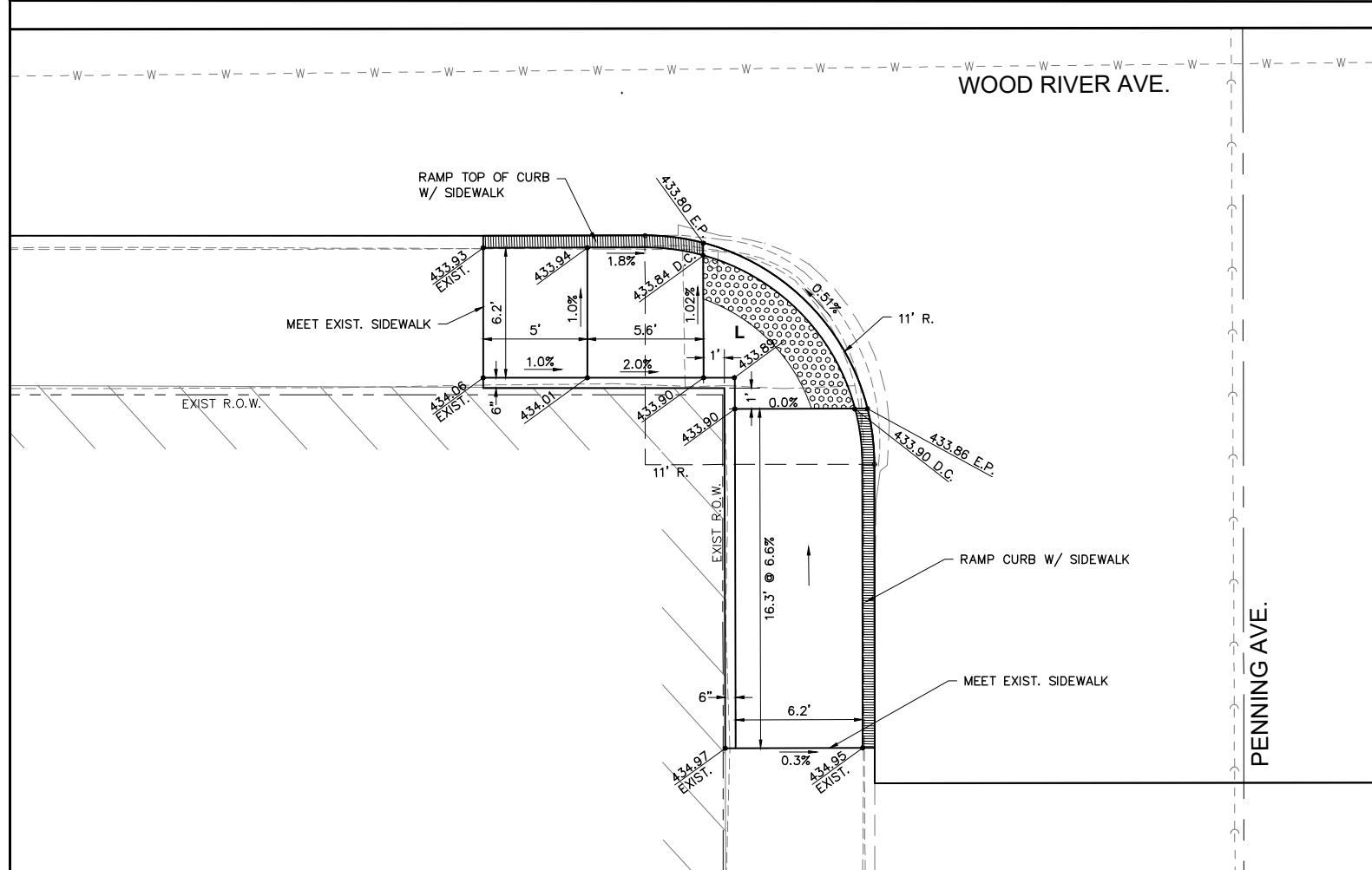


GENERAL NOTES

1. PROPOSED SIDEWALK PLANS SHOW THE DESIGN CONCEPT, HOWEVER THE SPOT ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE AS THE FINAL PAVEMENT AND CURB AND GUTTER MAY HAVE SOME VARIATION. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK BY BEGINNING AT THE CURB AND WORKING UP THE RAMP IN ORDER TO ALLOW FOR ADJUSTMENTS IN ELEVATION AND LENGTHS IF NEEDED.

NO.	REVISIONS

SMS ENGINEERS
 Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com
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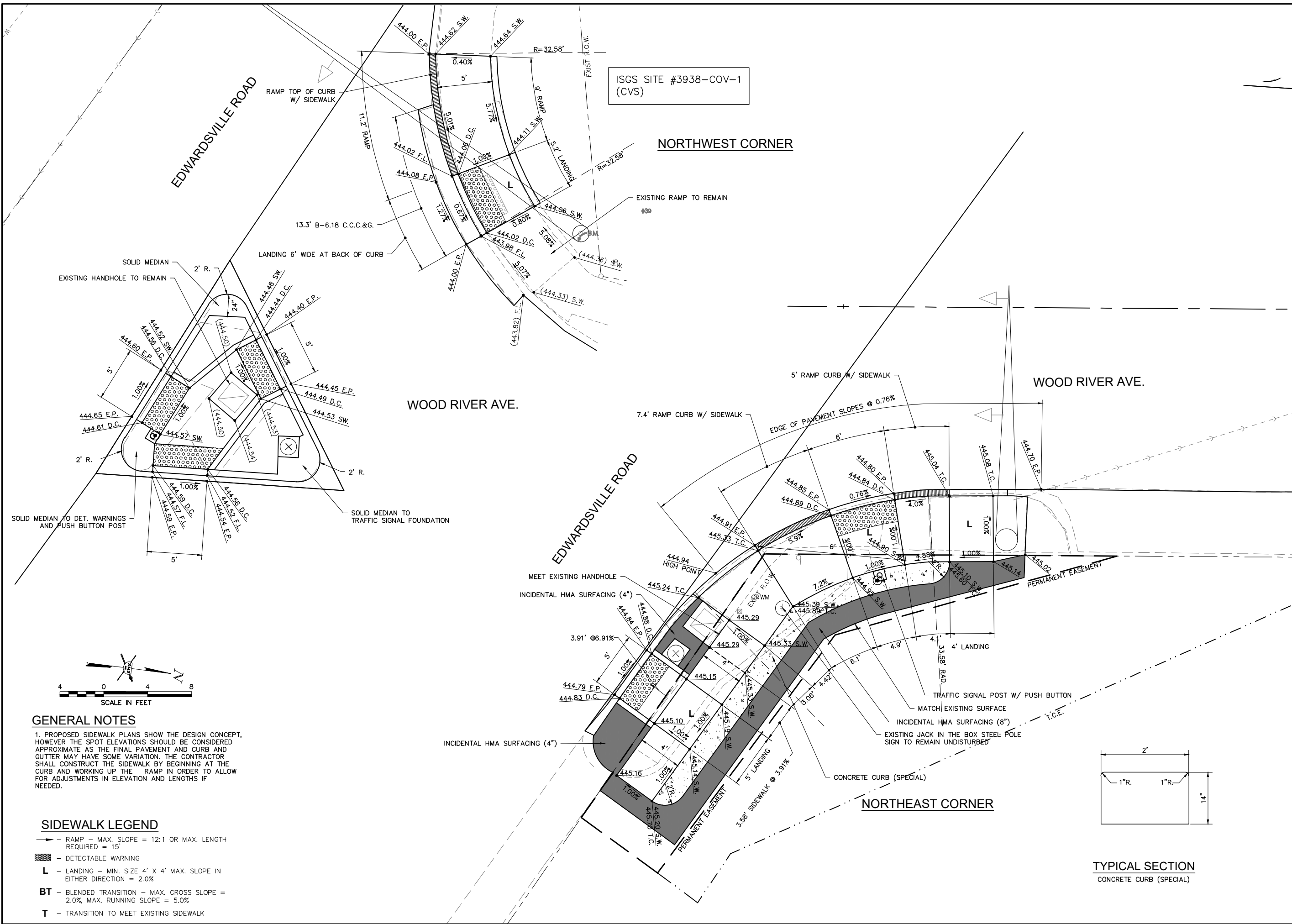


SIDEWALK LEGEND

- RAMP — MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- ▨ — DETECTABLE WARNING
- L — LANDING — MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT — BLENDED TRANSITION — MAX. CROSS SLOPE = 2.0% MAX. RUNNING SLOPE = 5.0%
- T — TRANSITION TO MEET EXISTING SIDEWALK

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 CONSTRUCTION DETAILS

CONTRACT NO. 97840
 WR AVE CONST DETAILS.DWG
 REF. BK. PG.
 JOB NO. 489470.1
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: NOVEMBER, 2025
 SCALE: 1"=4'
 SHEET 27 OF 44



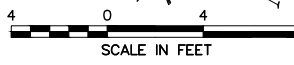
ISGS SITE #3938-COV-1
(CVS)

NORTHWEST CORNER

WOOD RIVER AVE.

EDWARDSVILLE ROAD

NORTHEAST CORNER

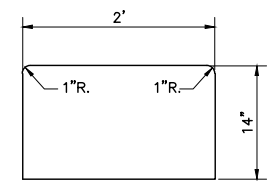


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- ▨ - DETECTABLE WARNING
- L - LANDING - MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT - BLENDED TRANSITION - MAX. CROSS SLOPE = 2.0%, MAX. RUNNING SLOPE = 5.0%
- T - TRANSITION TO MEET EXISTING SIDEWALK



REVISIONS

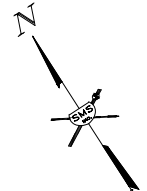
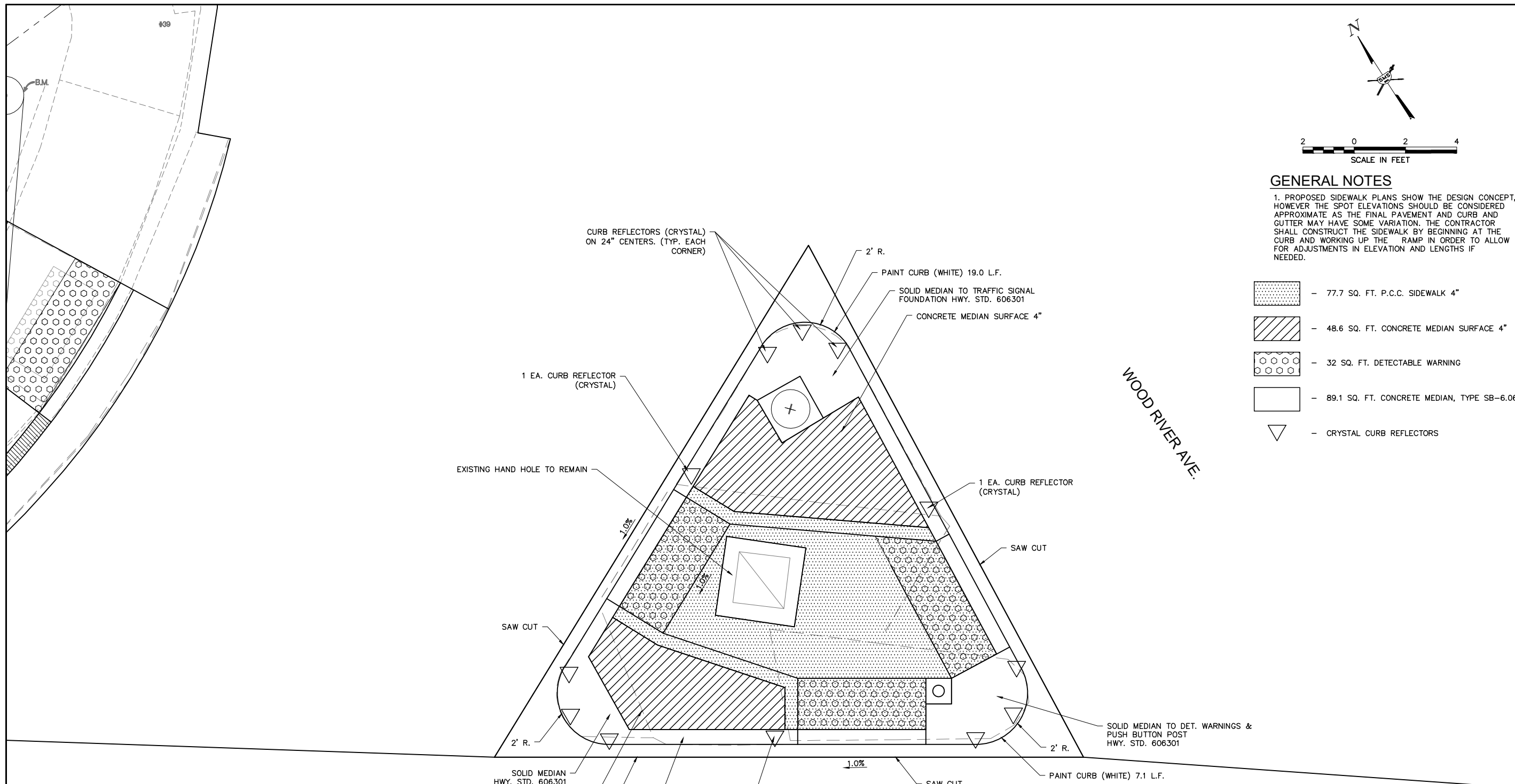
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ENGINEERS
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CITY OF WOOD RIVER, ILLINOIS
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SECTION 18-00048-01-RS
WOOD RIVER AVENUE
CONSTRUCTION DETAILS

CONTRACT NO. 97840
WR AVE CONST DETAILS.DWG

REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	

SCALE: 1"=4'
SHEET 29 OF 44



GENERAL NOTES

1. PROPOSED SIDEWALK PLANS SHOW THE DESIGN CONCEPT, HOWEVER THE SPOT ELEVATIONS SHOULD BE CONSIDERED APPROXIMATE AS THE FINAL PAVEMENT AND CURB AND GUTTER MAY HAVE SOME VARIATION. THE CONTRACTOR SHALL CONSTRUCT THE SIDEWALK BY BEGINNING AT THE CURB AND WORKING UP THE RAMP IN ORDER TO ALLOW FOR ADJUSTMENTS IN ELEVATION AND LENGTHS IF NEEDED.

- 77.7 SQ. FT. P.C.C. SIDEWALK 4"
- 48.6 SQ. FT. CONCRETE MEDIAN SURFACE 4"
- 32 SQ. FT. DETECTABLE WARNING
- 89.1 SQ. FT. CONCRETE MEDIAN, TYPE SB-6.06
- CRYSTAL CURB REFLECTORS

SIDEWALK LEGEND

- RAMP - MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- DETECTABLE WARNING
- L** - LANDING - MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT** - BLENDED TRANSITION - MAX. CROSS SLOPE = 2.0% MAX. RUNNING SLOPE = 5.0%
- T** - TRANSITION TO MEET EXISTING SIDEWALK

REVISIONS	
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ENGINEERS DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
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 CONSTRUCTION DETAILS

CONTRACT NO. 97840

WR AVE CONST DETAILS.DWG

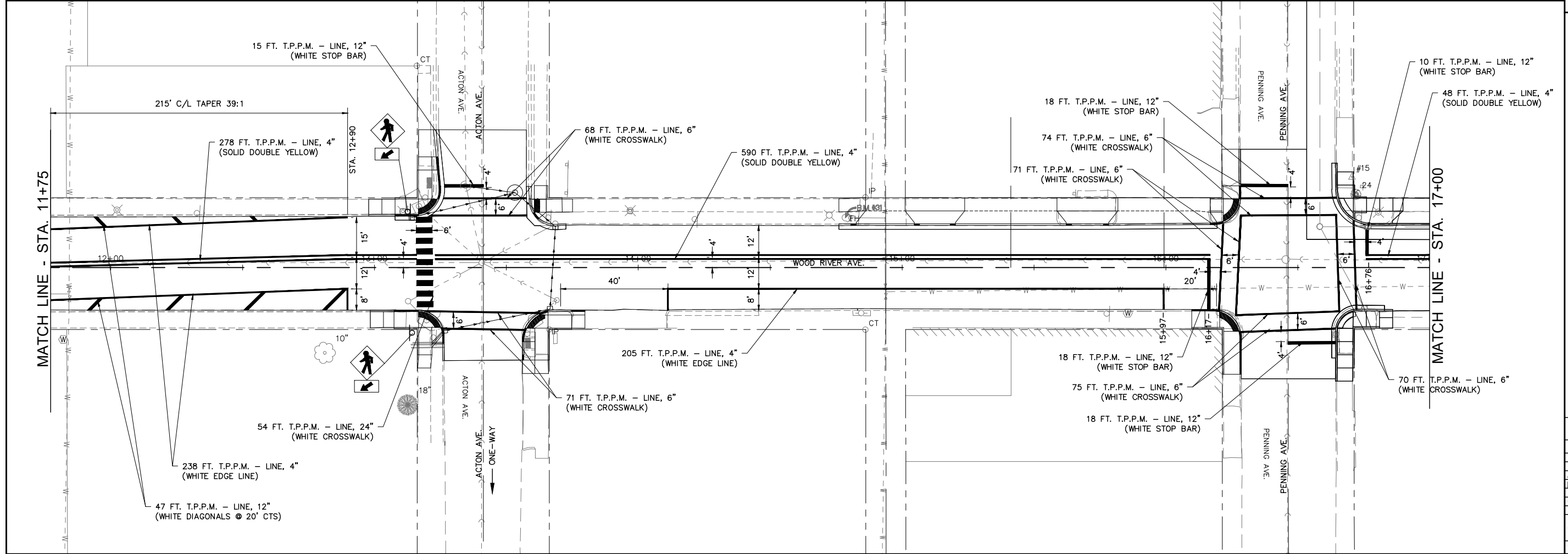
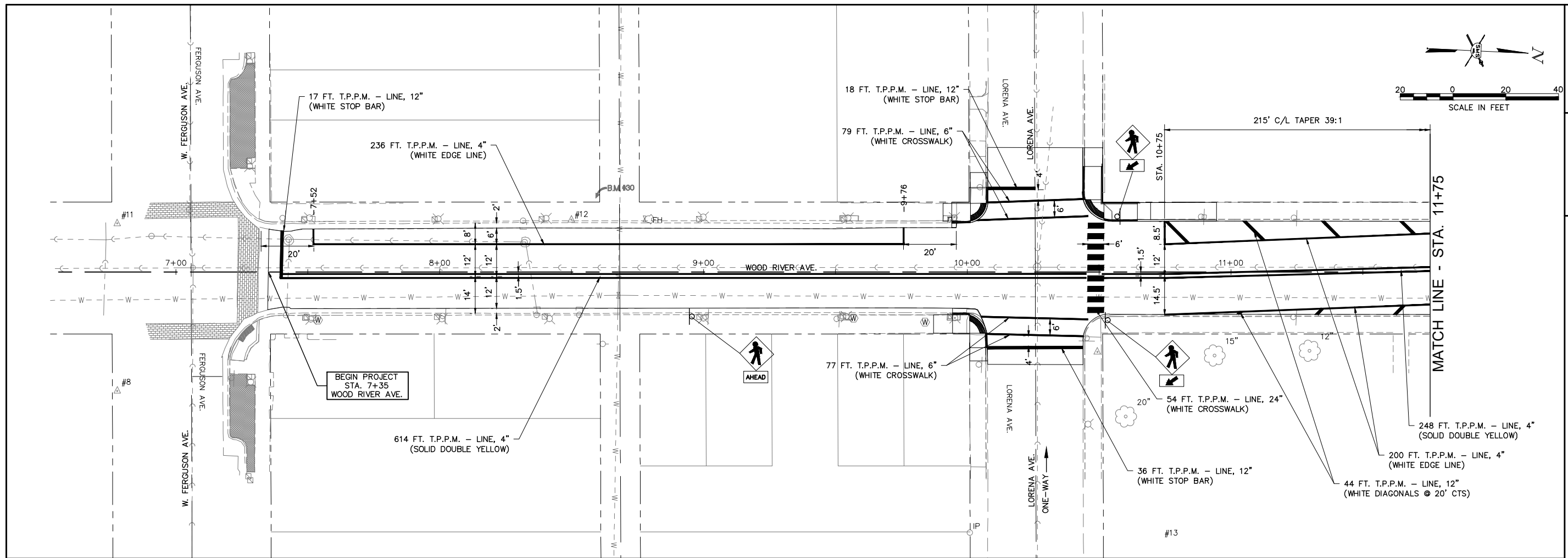
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JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	

SCALE: 1"=2'

SHEET 31 OF 44

WEST EDWARDSVILLE ROAD

WOOD RIVER AVE.

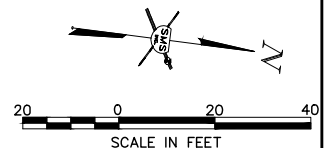
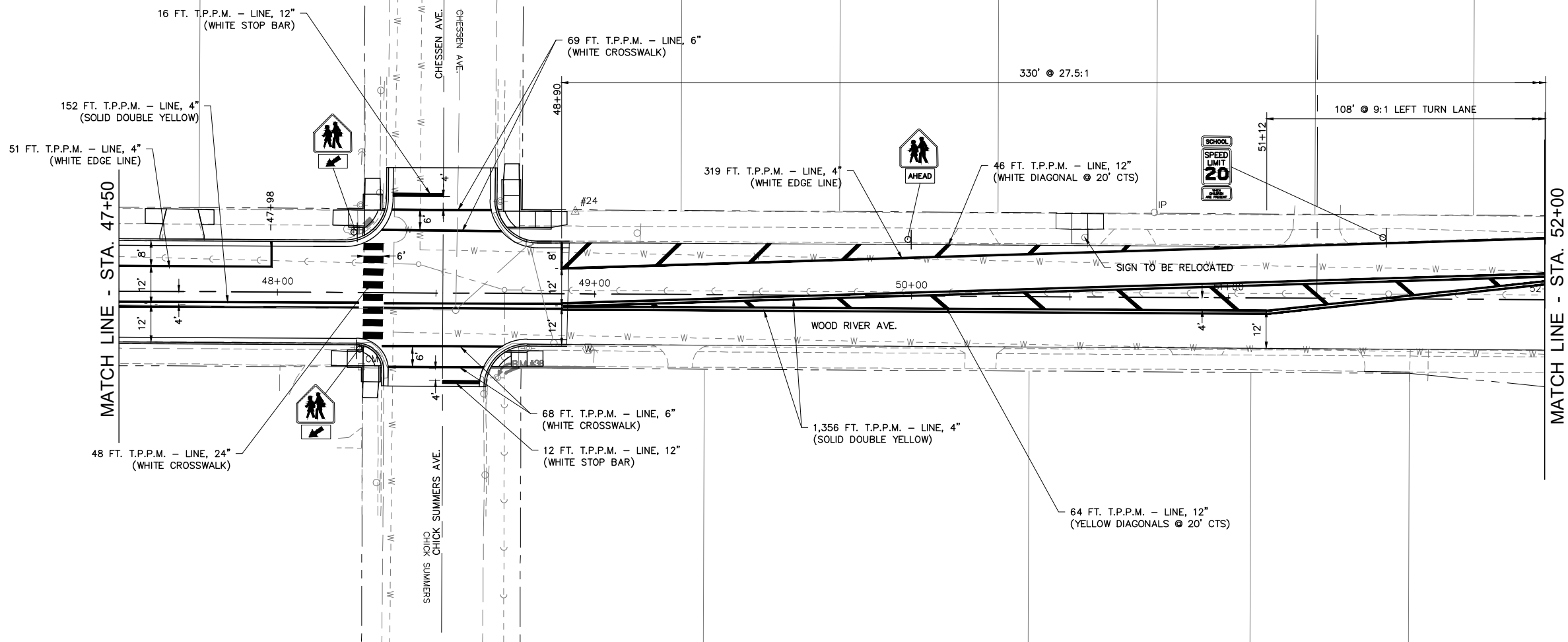


NO.	DESCRIPTION

SMS Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com
ENGINEERS DESIGN FIRM # 184-000992

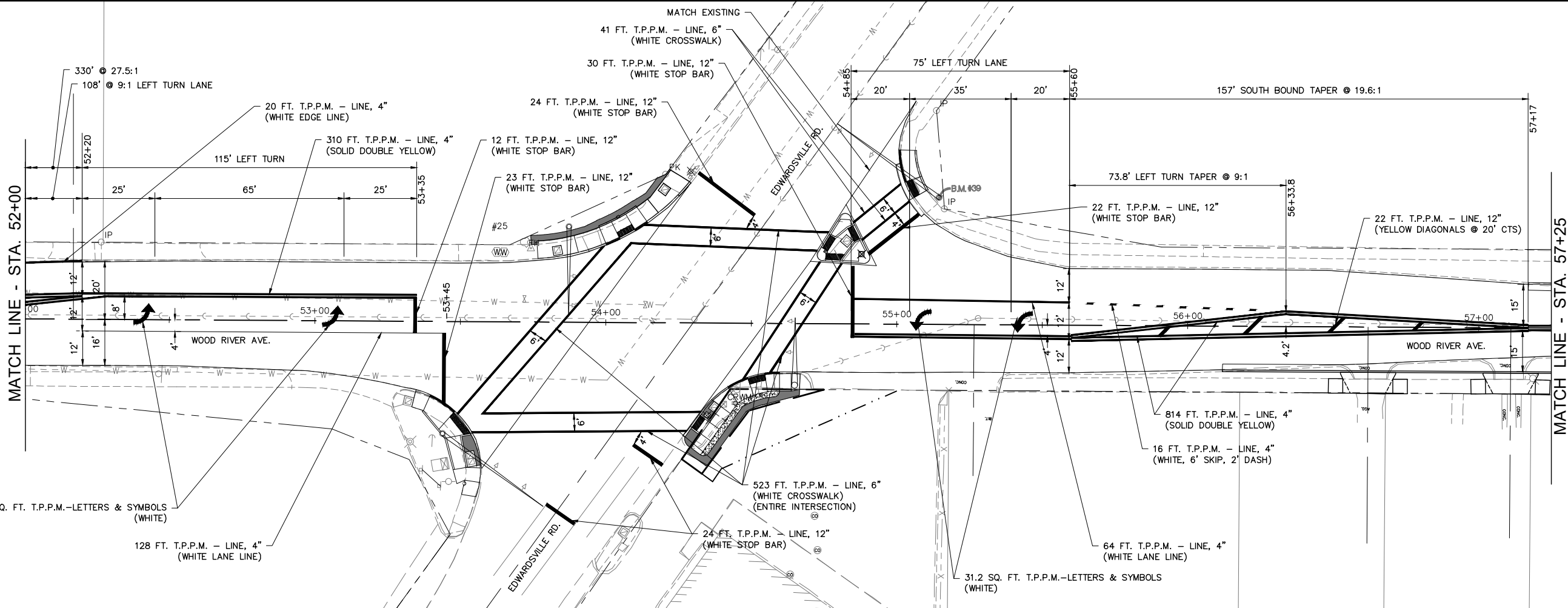
CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 PAVEMENT MARKING AND SIGNING PLAN

CONTRACT NO.	97840
REF. BK.	PG.
JOB NO.	489470.1
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	NOVEMBER, 2025
SCALE:	1" = 20'
SHEET	32 OF 44



NO.	DESCRIPTION

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 215 Market Street, P.O. Box E, Alton, IL 62002 618-462-9755 E-mail: mal@smsengineers.com
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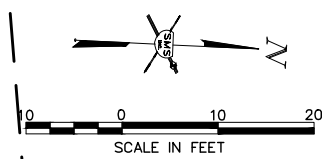
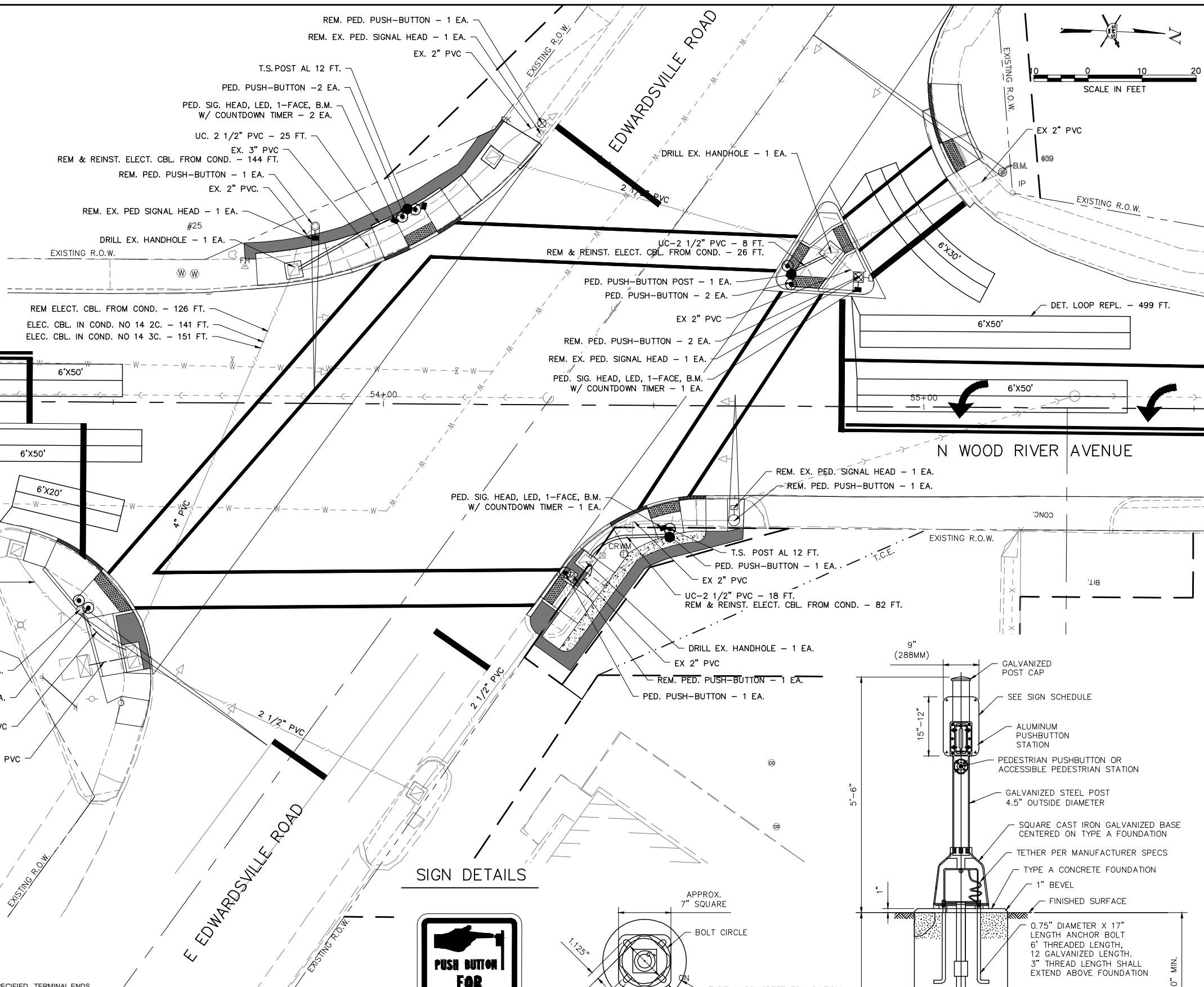


CITY OF WOOD RIVER, ILLINOIS
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 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
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DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	NOVEMBER, 2025
SCALE:	1" = 20'
SHEET	36 OF 44

TRAFFIC SIGNALS LEGEND

- UC UNDERGROUND CONDUIT
- PVC POLYVINYL CHLORIDE
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING SIGNAL AND POST
- EXISTING SIGNAL WITH BACKPLATE
- EXISTING TRAFFIC SIGNAL MAST ARM
- EXISTING HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING CONTROLLER
- EXISTING CONDUIT: SIZE, TYPE SPECIFIED
- PROPOSED DETECTOR LOOP
- PROPOSED UNDERGROUND CONDUIT: SIZE AND TYPE SPECIFIED
- PROPOSED PEDESTRIAN SIGNAL HEAD
- PROPOSED STOP BAR
- PROPOSED PEDESTRIAN PUSH-BUTTON
- PROPOSED PEDESTRIAN PUSH-BUTTON POST OR TRAFFIC SIGNAL POST



NO.	DESCRIPTION

SMS Sheppard, Morgan & Schwab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS

ENGINEERS

215 Market Street, P.O. Box E, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
SECTION 17-00048-00-RS
SECTION 18-00048-01-RS
WOOD RIVER AVENUE
TRAFFIC SIGNAL PLAN

CONTRACT NO.
97840

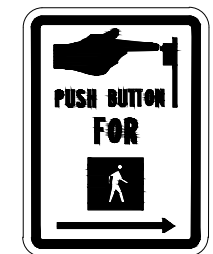
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DATE: NOVEMBER, 2025	

SCALE: 1" = 20'
SHEET 38 OF 44

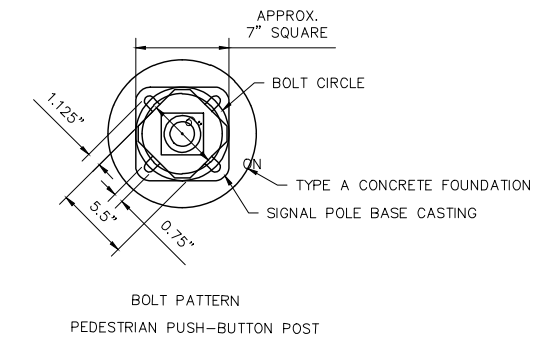
ELECTRICAL GENERAL NOTES

- ELECTRICAL GENERAL NOTES**
- ALL TRAFFIC SIGNAL CABLES SHALL BE #14 AWG STRANDED COPPER UNLESS OTHERWISE SPECIFIED. TERMINAL ENDS SHALL HAVE CRIMPED-ON RING TONGUE CONNECTORS.
 - THE LOCATION OF ALL DETECTOR LOOPS SHALL BE APPROVED BY THE ENGINEER BEFORE ANY SLOTS ARE SAWED IN THE PAVEMENT.
 - DETECTOR LOOP LEAD-IN SPLICES SHALL BE MADE IN A HANDHOLE PER SECTION 873 OF THE STANDARD SPECIFICATIONS. CONDUCTORS SHALL BE SPLICED IN A RIGID MOLD FILLED WITH NON-HARDENING EPOXY FILLER. ROSIN-CORE SOLDER SHALL BE USED.
 - DETECTOR LOOPS SHALL BE SAWED INTO THE PAVEMENT AFTER MILLING AND PRIOR TO INSTALLING THE FINAL HMA SURFACE.
 - ALL EXISTING PEDESTRIAN PUSH-BUTTONS AND INSTRUCTION SIGNS ARE TO BE REMOVED AND REPLACED WITH NEW PEDESTRIAN PUSH-BUTTONS AND INSTRUCTION SIGNS (R10-3) MOUNTED AT NEW LOCATIONS AS SHOWN ON THE PLANS TO MEET ADA REQUIREMENTS PER SECTION 888, AND AS DIRECTED BY THE ENGINEER.

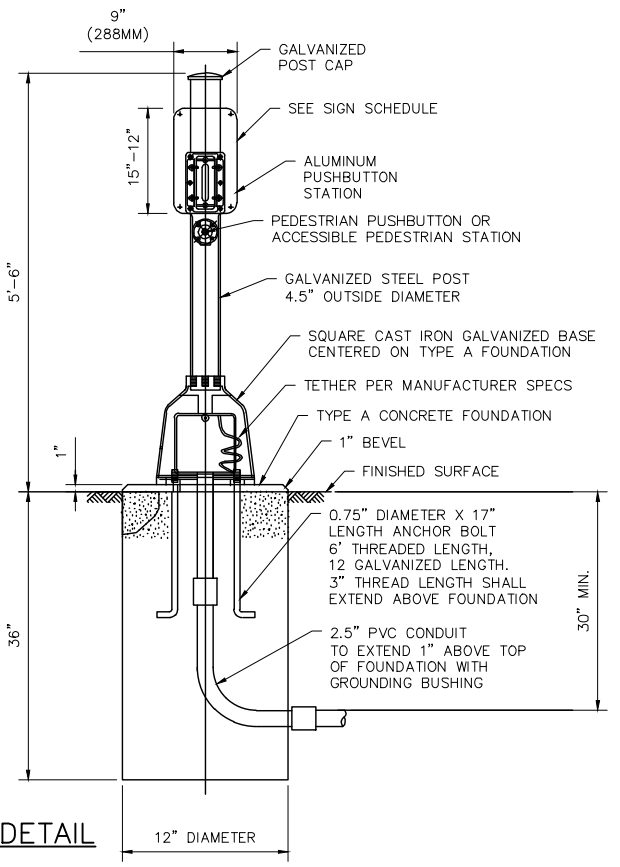
SIGN DETAILS



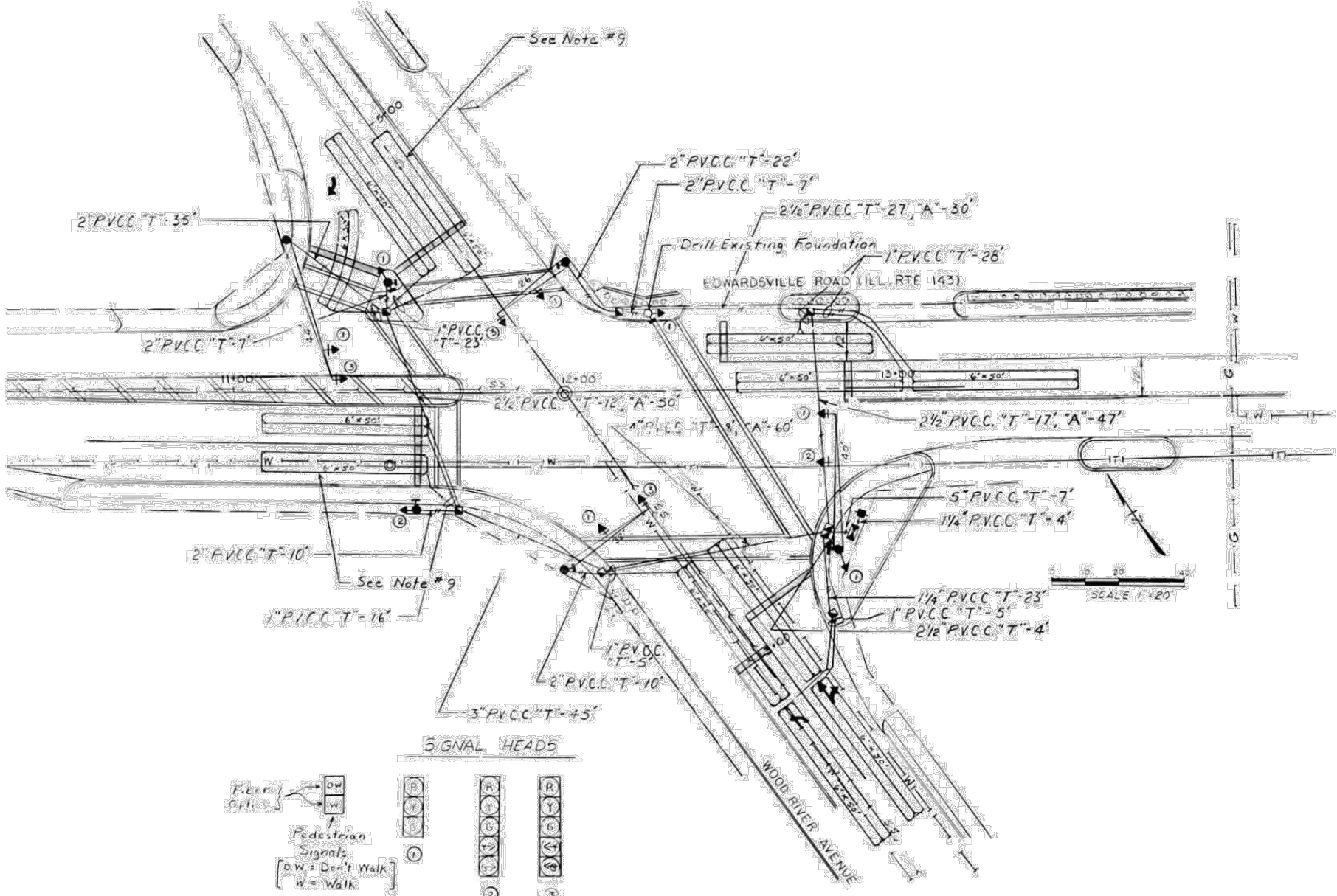
R10-3
(9" X 12")
8 EACH



PEDESTRIAN PUSH-BUTTON POST DETAIL
NOT TO SCALE

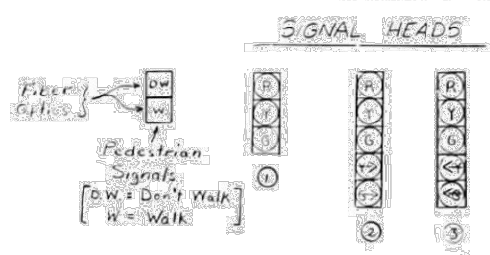


TAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8989	A	WISCONSIN	16	8

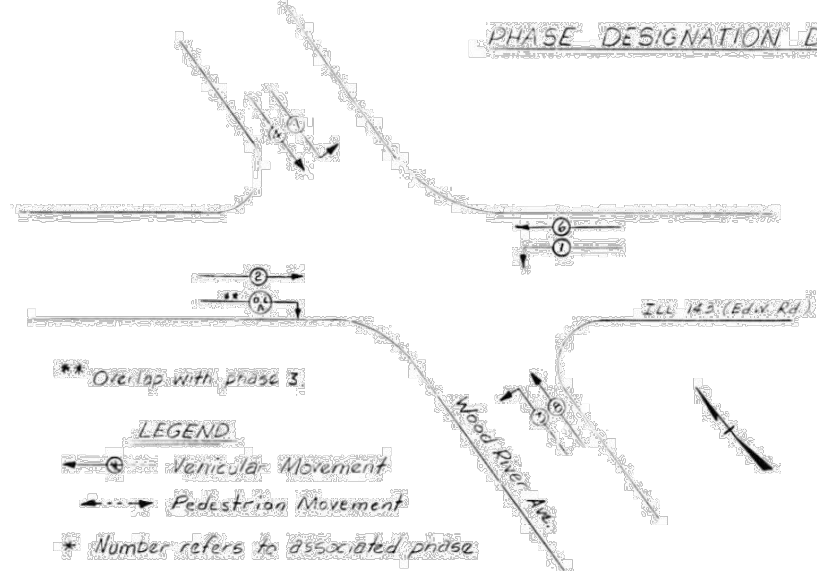


- LEGEND:**
- Proposed Signal Head, Bracket Mounted on T.S. Post on Most Arm Support Pole
 - Proposed Signal Head with Backplate, Most Arm Mounted
 - Proposed Pedestrian Signal
 - Proposed Pedestrian Pushbutton
 - Proposed Handhole
 - Proposed Double Handhole
 - Proposed Service Installation
 - Proposed Traffic Signal Controller
 - Proposed Detector Loop, Quadrupole Type
 - Proposed Cable Run in Conduit - "T" in Trench; "A" Augered
 - Polyvinyl Chloride Conduit
 - Existing Sanitary Sewer
 - Existing Telephone Line
 - Existing Water Line
 - Existing Concrete Foundation, Type A
 - Existing Manhole
 - Existing Electric Light

- NOTES:**
1. Pedestrian and vehicle signal heads shall have all 12" sections. Mounting hardware shall be unpainted aluminum.
 2. Backplates shall be ABS plastic.
 3. Signal posts and bases and Type II Controller Cabinet shall be unpainted aluminum.
 4. The locations of most arm supports shall be approved by the Engineer before the foundations are constructed.
 5. The locations of all detector loops shall be approved by the Engineer before any slots are sawed in the pavement.
 6. All traffic signal cable shall be #14 AWG, stranded copper unless otherwise indicated. Terminal ends shall have crimped-on full tongue connectors.
 7. All utilities shall be located in the field prior to any attempt to construct any component of this Traffic Signal System.
 8. The Contractor shall fabricate, deliver, and install two street name signs at the specified locations. The signs shall conform to Standards 2380 and 2319. The size and message shall be as shown in Detail A of the Traffic Signal Plan. Materials shall conform to Section T601.01 of the Standard Specifications for Traffic Control Items. See Note #11 for additional information.
 9. Detector Loops for E.B. right (O.L.A.) and S.B. left (Movement #7) shall be Single Loop (Slot Plan) and wired for Long Loop (Wiring Diagram) per Standard 2394. All other Detector Loops shall be Quadrupole Loops per Standard 2394.
 10. See Detail B of the Traffic Signal Plan for Layout of Pedestrian Signal Pushbuttons.
 11. Install one street name sign on Most Arm Support Pole in NW quadrant. It shall be visible to W.B. traffic on Ill. Route 143. Also, install an identical sign on the Most Arm Support Pole in the SE quadrant. It shall be visible to E.B. traffic on Ill. Route 143.
 12. Pier depths for most arm support foundations shall be:
 - NE quadrant = 10'
 - NW " = 12.5'
 - S.W. " = 10'
 - SE " = 11'



PHASE DESIGNATION DIAGRAM



- LEGEND:**
- Vehicle Movement
 - Pedestrian Movement
 - * Number refers to associated phase

PROPOSED CONTROLLER OPERATION

Full Actuated Controller, 8 Phases, Special Sequence

PHASE	1	2	3	4	5	6	7	8
VEH. MOV.	←	→	↑	↓	NOT USED	←	→	↑
PEST. MOV.	6	6	7 or 8	7 or 8	USED	1 or 2	3 or 4	3 or 4

At A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z, AA, AB, AC, AD, AE, AF, AG, AH, AI, AJ, AK, AL, AM, AN, AO, AP, AQ, AR, AS, AT, AU, AV, AW, AX, AY, AZ, BA, BB, BC, BD, BE, BF, BG, BH, BI, BJ, BK, BL, BM, BN, BO, BP, BQ, BR, BS, BT, BU, BV, BW, BX, BY, BZ, CA, CB, CC, CD, CE, CF, CG, CH, CI, CJ, CK, CL, CM, CN, CO, CP, CQ, CR, CS, CT, CU, CV, CW, CX, CY, CZ, DA, DB, DC, DD, DE, DF, DG, DH, DI, DJ, DK, DL, DM, DN, DO, DP, DQ, DR, DS, DT, DU, DV, DW, DX, DY, DZ, EA, EB, EC, ED, EE, EF, EG, EH, EI, EJ, EK, EL, EM, EN, EO, EP, EQ, ER, ES, ET, EU, EV, EW, EX, EY, EZ, FA, FB, FC, FD, FE, FF, FG, FH, FI, FJ, FK, FL, FM, FN, FO, FP, FQ, FR, FS, FT, FU, FV, FW, FX, FY, FZ, GA, GB, GC, GD, GE, GF, GG, GH, GI, GJ, GK, GL, GM, GN, GO, GP, GQ, GR, GS, GT, GU, GV, GW, GX, GY, GZ, HA, HB, HC, HD, HE, HF, HG, HH, HI, HJ, HK, HL, HM, HN, HO, HP, HQ, HR, HS, HT, HU, HV, HW, HX, HY, HZ, IA, IB, IC, ID, IE, IF, IG, IH, II, IJ, IK, IL, IM, IN, IO, IP, IQ, IR, IS, IT, IU, IV, IW, IX, IY, IZ, JA, JB, JC, JD, JE, JF, JG, JH, JI, JJ, JK, JL, JM, JN, JO, JP, JQ, JR, JS, JT, JU, JV, JW, JX, JY, JZ, KA, KB, KC, KD, KE, KF, KG, KH, KI, KJ, KK, KL, KM, KN, KO, KP, KQ, KR, KS, KT, KU, KV, KW, KX, KY, KZ, LA, LB, LC, LD, LE, LF, LG, LH, LI, LJ, LK, LL, LM, LN, LO, LP, LQ, LR, LS, LT, LU, LV, LW, LX, LY, LZ, MA, MB, MC, MD, ME, MF, MG, MH, MI, MJ, MK, ML, MM, MN, MO, MP, MQ, MR, MS, MT, MU, MV, MW, MX, MY, MZ, NA, NB, NC, ND, NE, NF, NG, NH, NI, NJ, NK, NL, NM, NN, NO, NP, NQ, NR, NS, NT, NU, NV, NW, NX, NY, NZ, OA, OB, OC, OD, OE, OF, OG, OH, OI, OJ, OK, OL, OM, ON, OO, OP, OQ, OR, OS, OT, OU, OV, OW, OX, OY, OZ, PA, PB, PC, PD, PE, PF, PG, PH, PI, PJ, PK, PL, PM, PN, PO, PP, PQ, PR, PS, PT, PU, PV, PW, PX, PY, PZ, QA, QB, QC, QD, QE, QF, QG, QH, QI, QJ, QK, QL, QM, QN, QO, QP, QQ, QR, QS, QT, QU, QV, QW, QX, QY, QZ, RA, RB, RC, RD, RE, RF, RG, RH, RI, RJ, RK, RL, RM, RN, RO, RP, RQ, RR, RS, RT, RU, RV, RW, RX, RY, RZ, SA, SB, SC, SD, SE, SF, SG, SH, SI, SJ, SK, SL, SM, SN, SO, SP, SQ, SR, SS, ST, SU, SV, SW, SX, SY, SZ, TA, TB, TC, TD, TE, TF, TG, TH, TI, TJ, TK, TL, TM, TN, TO, TP, TQ, TR, TS, TT, TU, TV, TW, TX, TY, TZ, UA, UB, UC, UD, UE, UF, UG, UH, UI, UJ, UK, UL, UM, UN, UO, UP, UQ, UR, US, UT, UY, UZ, VA, VB, VC, VD, VE, VF, VG, VH, VI, VJ, VK, VL, VM, VN, VO, VP, VQ, VR, VS, VT, VU, VV, VW, VX, VY, VZ, WA, WB, WC, WD, WE, WF, WG, WH, WI, WJ, WK, WL, WM, WN, WO, WP, WQ, WR, WS, WT, WU, WV, WW, WX, WY, WZ, XA, XB, XC, XD, XE, XF, XG, XH, XI, XJ, XK, XL, XM, XN, XO, XP, XQ, XR, XS, XT, XU, XV, XW, XX, XY, XZ, YA, YB, YC, YD, YE, YF, YG, YH, YI, YJ, YK, YL, YM, YN, YO, YP, YQ, YR, YS, YT, YU, YV, YW, YX, YY, YZ, ZA, ZB, ZC, ZD, ZE, ZF, ZG, ZH, ZI, ZJ, ZK, ZL, ZM, ZN, ZO, ZP, ZQ, ZR, ZS, ZT, ZU, ZV, ZW, ZX, ZY, ZZ.

Street Signals shall be pushbutton actuated. Pedestrian Phase shall be terminated with a flashing "Don't Walk". In flash mode, all vehicle faces shall flash Red and pedestrian faces shall be dark.

TRAFFIC SIGNAL PLAN
(Sheet 2 of 3)
Proposed Traffic Signal System

FOR INFORMATION ONLY

REVISIONS

SMS Sheppard, Morgan & Schwab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
ENGINEERS

CITY OF WOOD RIVER, ILLINOIS
SECTION 17-00048-00-RS
SECTION 18-00048-01-RS
WOOD RIVER AVENUE
EXISTING TRAFFIC SIGNAL PLANS

CONTRACT NO. 97840

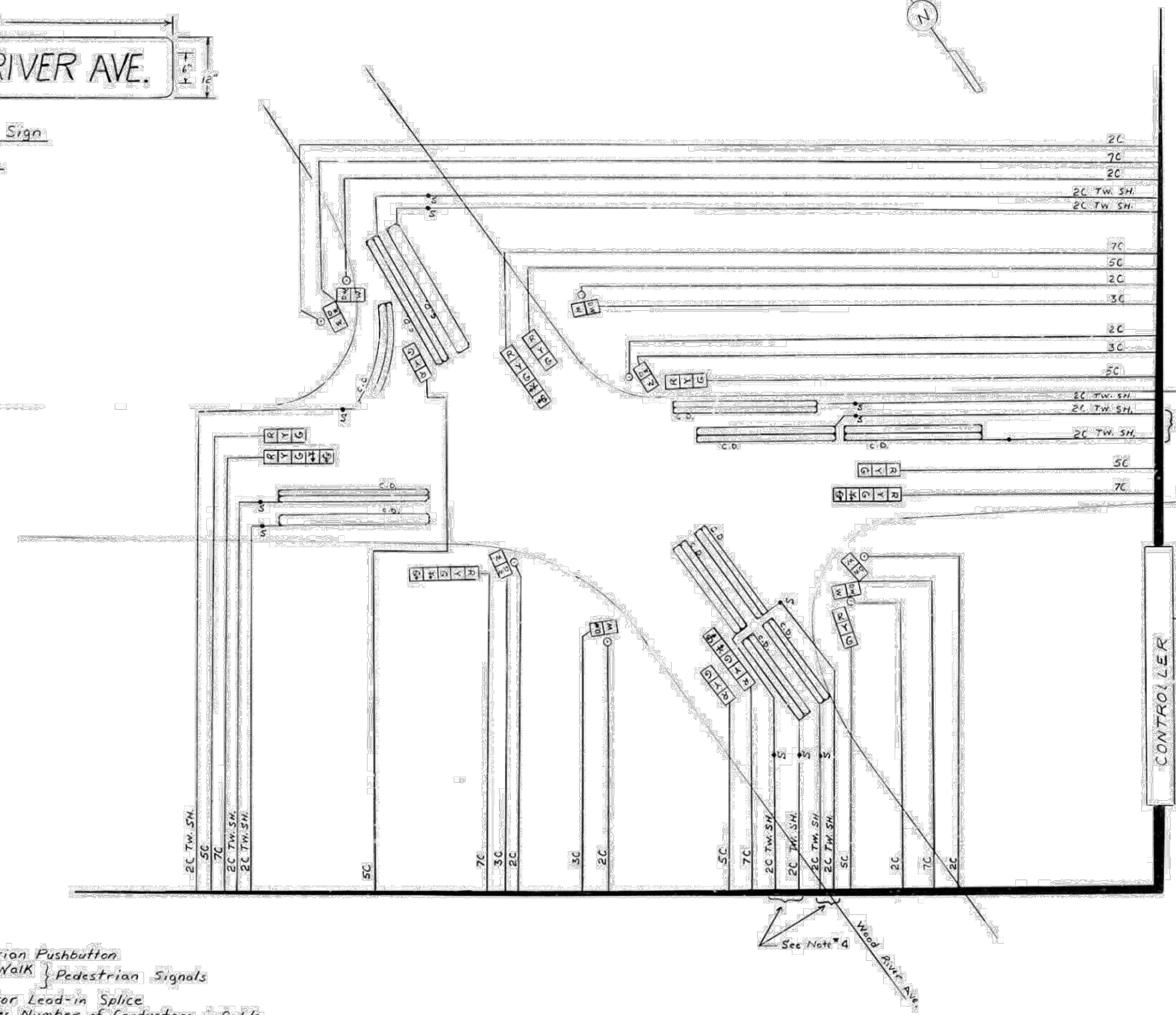
REF. BK. PG.
JOB NO. 489470.1
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: NOVEMBER, 2025

SCALE: 1" = 20'
SHEET 39 OF 44

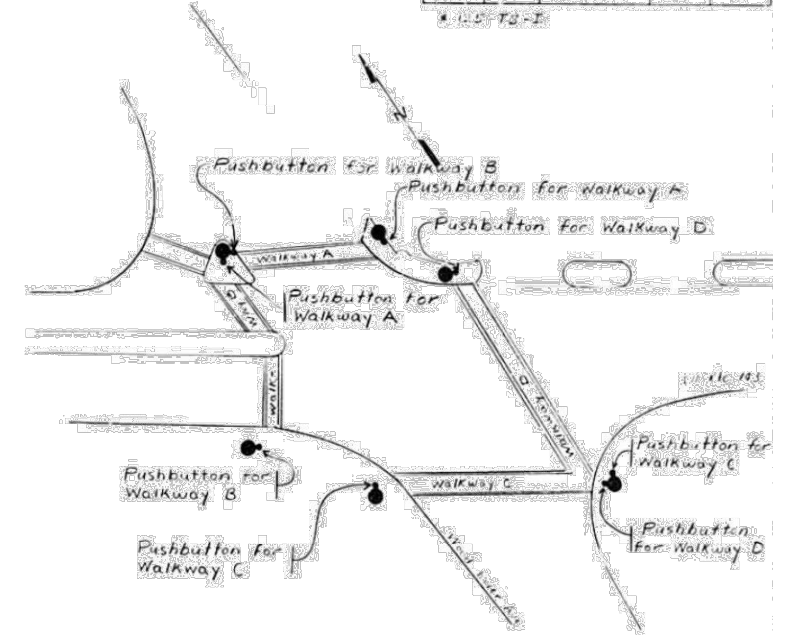
FAU ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8990	1	Madison	18	9



Section Name Sign
DETAIL A



CABLE DIAGRAM



Legend:
Pushbutton for Pedestrian Signals (Mounted on T.S. Post or Pole)
T.S. Post or M.A. Support Pole
Pedestrian Pushbutton Locations
DETAIL B

NOTES

1. Detector Loop Lead-in Splice shall be made in a handhole and shall be Type II per Section 421 of the Standard Specs. for Traffic Control Items.
2. Call Delay shall not function when related phase is in the green mode.
3. All cable shall be #14 AWG, Stranded Copper, unless otherwise indicated.
4. Connect these two Cables to the same amplifier input terminal in the Controller Cabinet.

- LEGEND
- ⊙ Pedestrian Pushbutton
 - D.W. - Don't Walk } Pedestrian Signals
 - W. - Walk
 - S - Detector Lead-in Splice
 - 2C - Denotes Number of Conductors in Cable
 - TW SH - Twisted & Shielded Cable
 - C.D. - Call Delay

TRAFFIC SIGNAL PLAN
(Sheet 3 of 3)
Cable Diagram & Traffic Signal Details

FOR INFORMATION ONLY

REVISIONS

NO.	DESCRIPTION

SMS Sheppard, Morgan & Schwab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
ENGINEERS

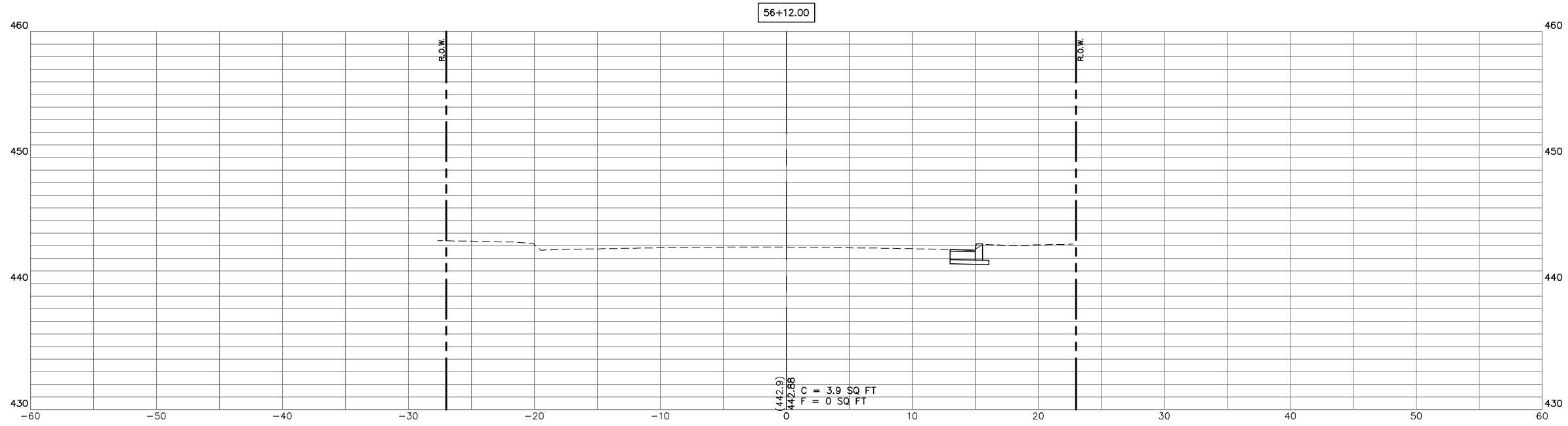
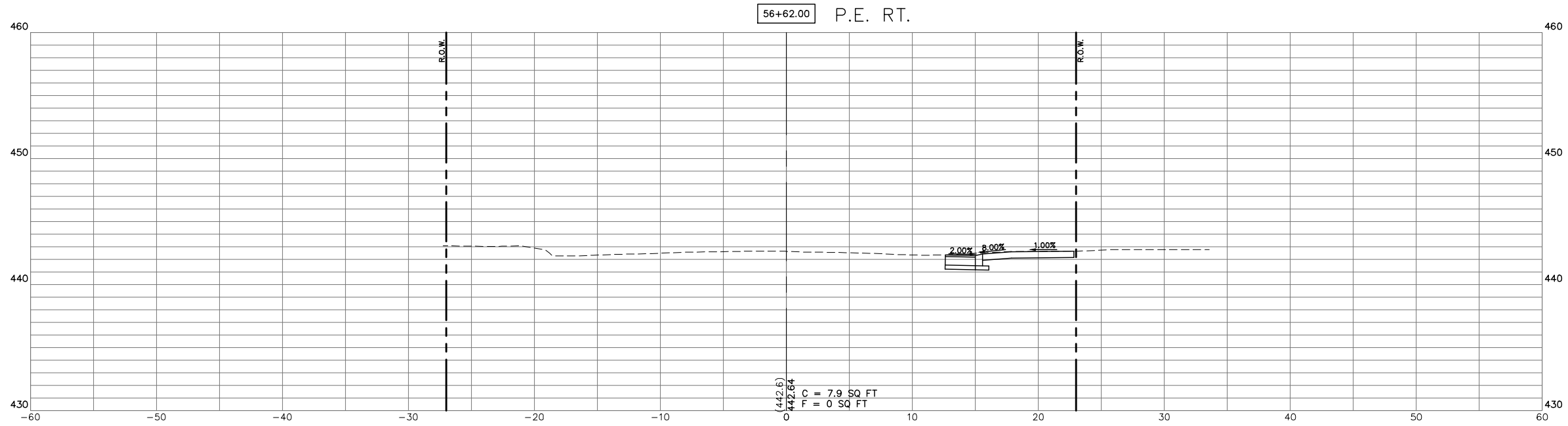
215 Market Street, P.O. Box E, Alton, IL 62002 618462-9155 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
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CONTRACT NO.
97840

REF. BK.	PG.
JOB NO. 489470.1	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: NOVEMBER, 2025	

SCALE: 1" = 20'
SHEET 40 OF 44



REVISIONS

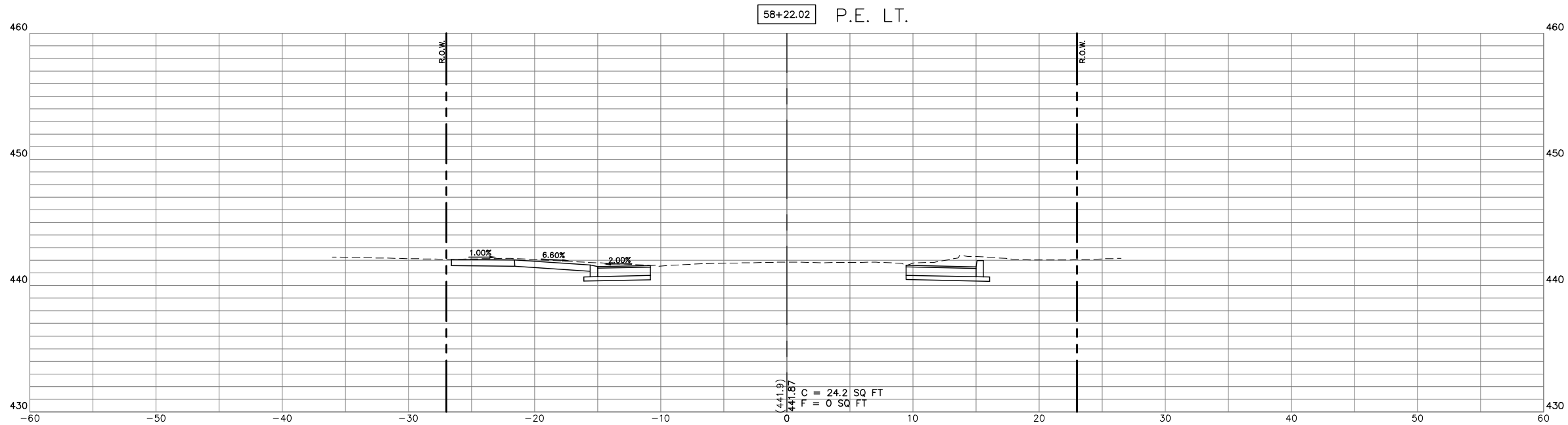
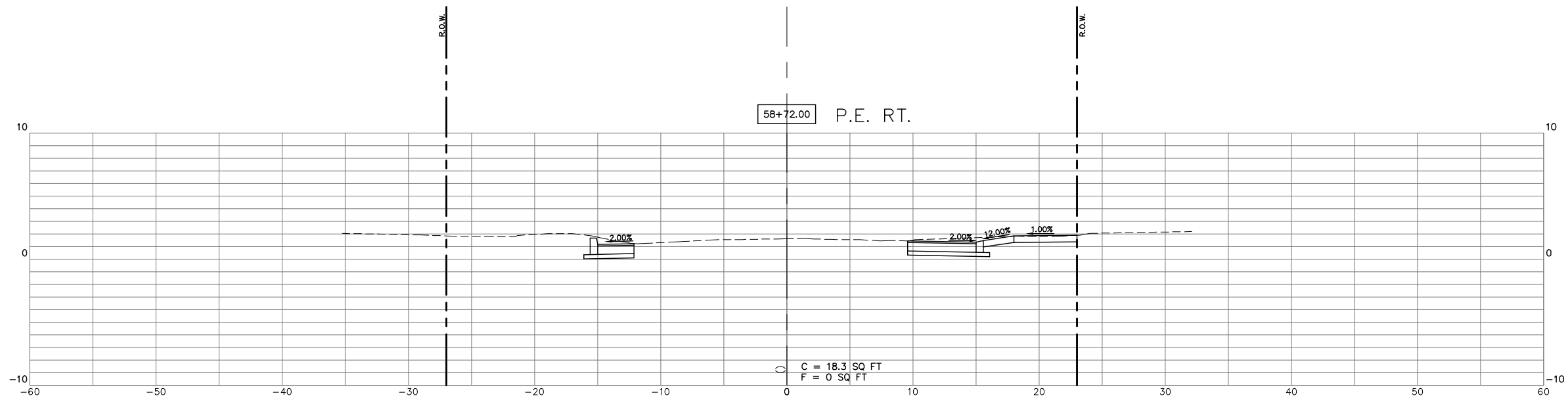
SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 715 Market Street, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

CITY OF WOOD RIVER, ILLINOIS
 SECTION 17-00048-00-RS
 SECTION 18-00048-01-RS
 WOOD RIVER AVENUE
 CROSS SECTIONS

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SCALE:
SHEET 41 OF 44



REVISIONS

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SCALE:
 SHEET 44 OF 44