

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

N INGERSOLL ST, ELIZABETH ST, AND JEAN ST ASSESSMENT DISTRICT - 2019

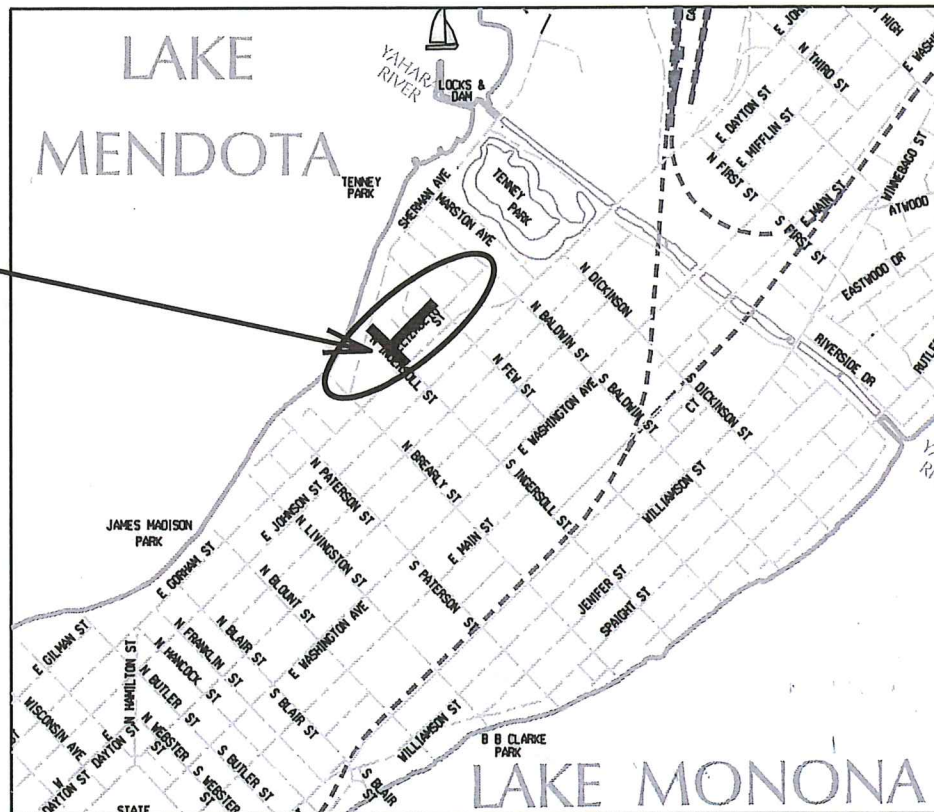
CITY PROJECT NO. 11182

CONTRACT NO. 8295

INDEX OF SHEETS

SHEET NO.	TITLE
1	TYPICAL SECTIONS
D1	SIDEWALK DETAIL
D2	EROSION CONTROL PLAN
EC1-EC3	PAVEMENT MARKING PLAN
M1	STREET PLAN & PROFILES
PI-P4	SEWER PLAN & PROFILES
UI-U3	SANITARY SEWER SCHEDULE
U4	SANITARY SEWER SCHEDULE
U5-U6	STORM SEWER SCHEDULES
W1-W3	WATER PLAN & PROFILES
W4-W5	WATER IMPACT PLANS
W6	TEMPORARY WATER SUPPLY PLAN
W7	WATER PLAN OVERVIEW
W8	WATER ESTIMATE OF MATERIALS & DETAILS
X1-X7	STREET CROSS SECTIONS

PROJECT LOCATION



EARTH WORK SUMMARY:
 EXCAVATION CUT (MEASURED PLAN QUANTITY).....2170 C.Y.
 ESTIMATED UNDISTRIBUTED UNDERCUT.....1942 C.Y.
 TOTAL UNCLASSIFIED EXCAVATION CUT.....4112 C.Y.

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%.

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 6, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 10/10/19
 City Engineer Date

STREET DESIGNED BY:

WISCONSIN
 CHRISTY BACHMANN
 #32079
 Madison, WI
[Signature] 10-9-19
 PROFESSIONAL ENGINEER

STREET GEOMETRICS DESIGNED BY:

WISCONSIN
 MARK S. WINTER
 E-39453
 MADISON WI
[Signature] 10-9-19
 PROFESSIONAL ENGINEER

SANITARY SEWER DESIGNED BY:

WISCONSIN
 MARK D. MODER
 E-83979
 MADISON WI
[Signature] 10/9/19
 PROFESSIONAL ENGINEER

WATER MAIN DESIGNED BY:

WISCONSIN
 KELLY B. MISS
 E-41821
 MADISON WI
[Signature] 10-9-19
 PROFESSIONAL ENGINEER

STORM SEWER DESIGNED BY:

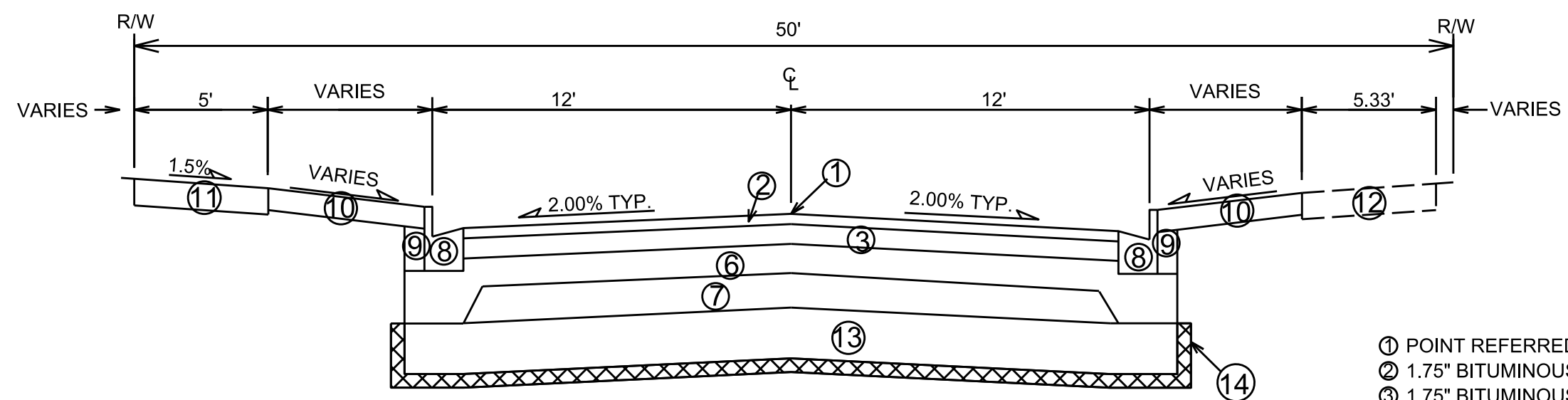
WISCONSIN
 JANET SCHMIDT
 E-34681
 MADISON WI
[Signature] 10/9/19
 PROFESSIONAL ENGINEER

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

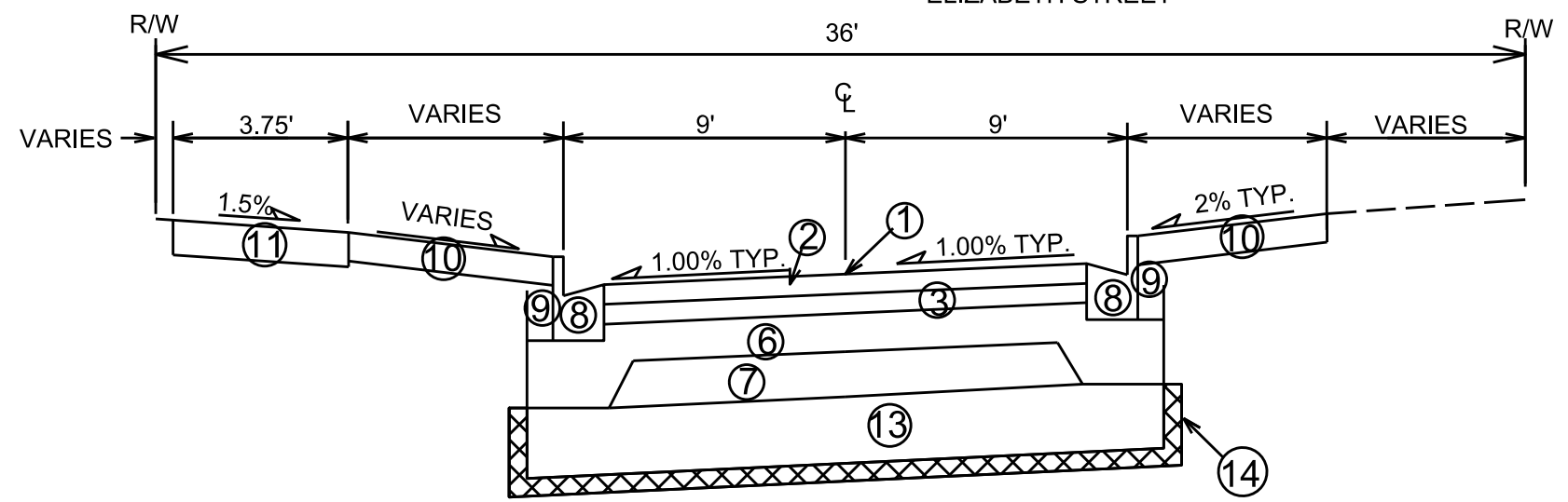
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



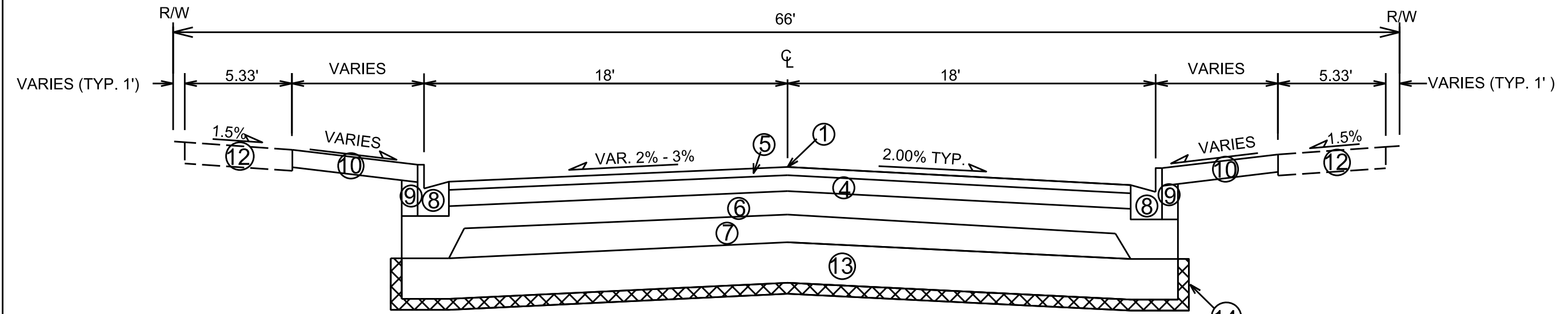
TYPICAL FINISHED SECTION
ELIZABETH STREET

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" BITUMINOUS UPPER LAYER (4 LT 58-28 S)
- ③ 1.75" BITUMINOUS LOWER LAYER (4 LT 58-28 S)
- ④ 2.50" BITUMINOUS LOWER LAYER (3 LT 58-28 S)
- ⑤ 2.00" BITUMINOUS UPPER LAYER (4 LT 58-28 S)
- ⑥ 6" GRADATION 2 CRUSHED STONE
- ⑦ 6" GRADATION 1 CRUSHED STONE
- ⑧ TYPE 'A' CONCRETE CURB & GUTTER
- ⑨ FILL, INCIDENTAL
- ⑩ 6" TOPSOIL, SEED & MAT
- ⑪ 5" CONCRETE SIDEWALK
- ⑫ EXISTING SIDEWALK, REPLACE PER PLANS
- ⑬ 12" GRADATION 5 BREAKER RUN (AS DETERMINED BY ENGINEER)
- ⑭ GEOSYNTHETIC REINFORCEMENT FABRIC (AS DETERMINED BY ENG.)

SEE CROSS SECTION SHEETS FOR CROSS
SLOPES, TOP OF CURB AND BACK OF WALK ELEVATIONS.



TYPICAL FINISHED SECTION
JEAN STREET



TYPICAL FINISHED SECTION
N INGERSOLL STREET

TYPICAL SECTIONS NOT TO SCALE

PLOT SCALE: _____
PLOT NAME: _____
REV. DATE: _____
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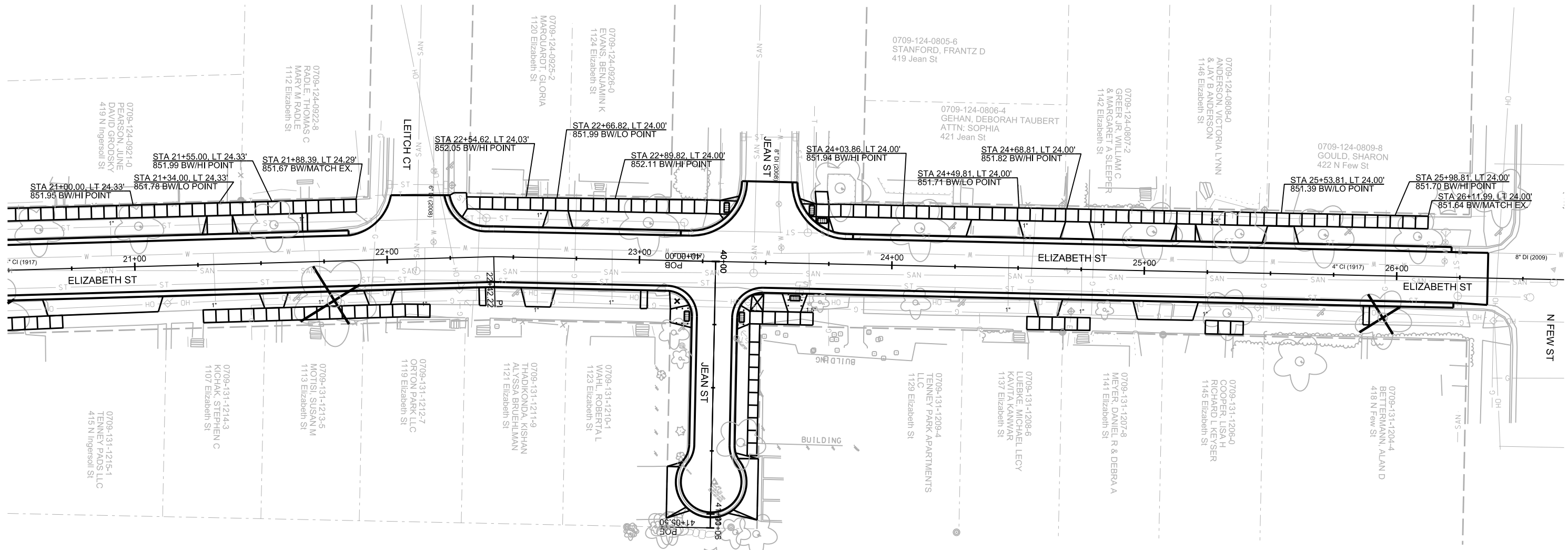
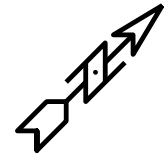
DETAILS

SIDEWALK GRADES

CITY OF MADISON

NOTES:

- 1. NORTHWEST SIDEWALK ALONG ELIZABETH STREET SHALL BE REMOVED AND REPLACED TO A WIDTH OF 5'







PLOT SCALE:

PLOT NAME:

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL
ELIZABETH STREET CITY OF MADISON

 TRACKOUT CONTROLS (STREET CONSTRUCTION ENTRANCE BERM)
 TRACKOUT CONTROLS (CONSTRUCTION ENTRANCE)
 RIGID FRAME INLET PROTECTION
 SILT SOCK INLET PROTECTION

0709-124-0922-8
RADLE, THOMAS C
MARY M RADLE
1112 Elizabeth St

0709-124-0925-2
MARQUARDT, GLORIA
1120 Elizabeth St

0709-124-0926-0
EVANS, BENJAMIN K
1124 Elizabeth St

0709-124-0805-6
STANFORD, FRANTZ D
419 Jean St

0709-124-0806-4
GEHAN, DEBORAH TAUBERT
ATTN: SOPHIA
421 Jean St

0709-124-0807-2
GREER JR, WILLIAM C &
MARGARET A SLEEPER
1142 Elizabeth St

0709-131-1215-1
TENNEY PADS LLC
415 N Ingersoll St

0709-131-1214-3
KICHAK, STEPHEN C
1107 Elizabeth St

0709-131-1213-5
MOTISI, SUSAN M
1113 Elizabeth St

0709-131-1212-7
ORTON PARK LLC
1119 Elizabeth St

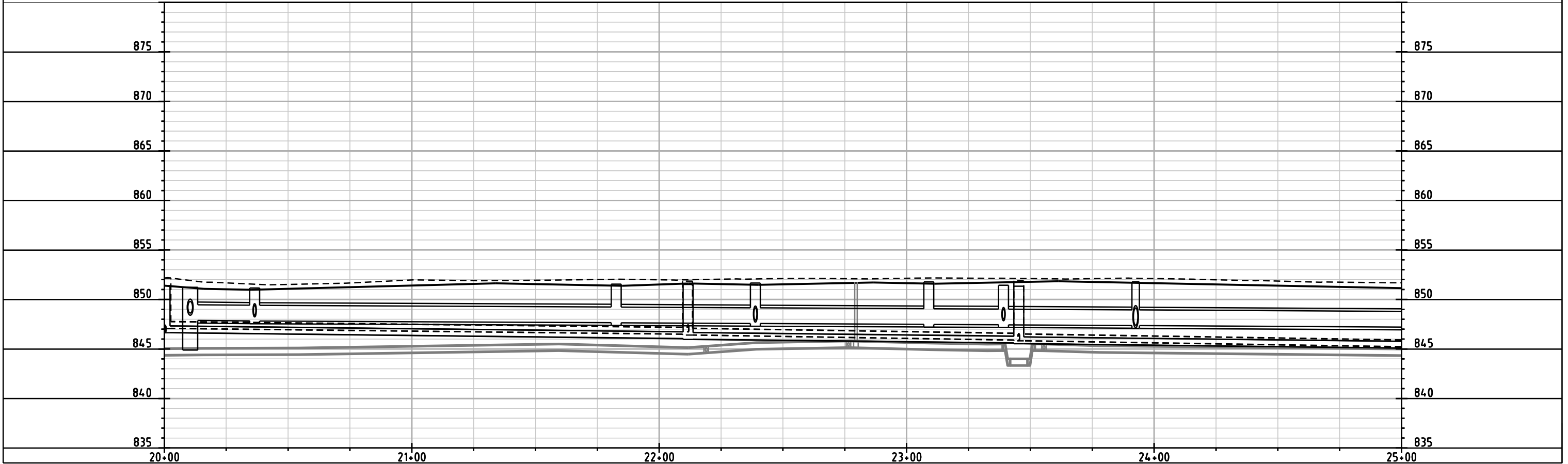
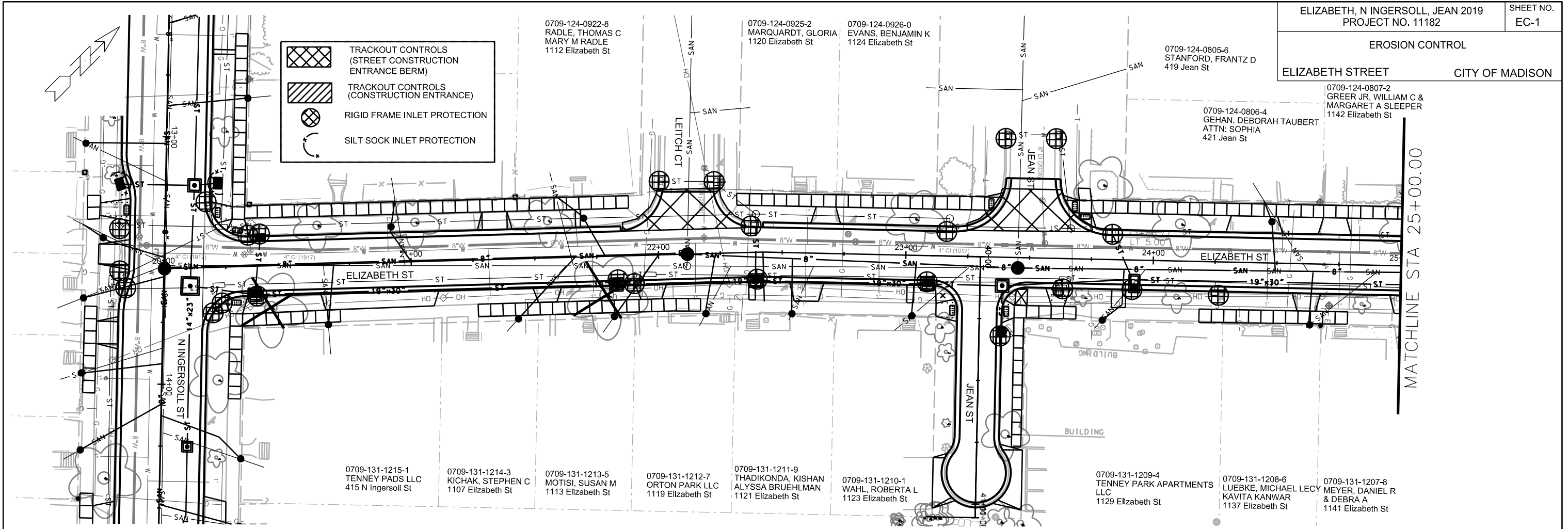
0709-131-1211-9
THADIKONDA, KISHAN
ALYSSA BRUEHLMAN
1121 Elizabeth St

0709-131-1210-1
WAHL, ROBERTA L
1123 Elizabeth St

0709-131-1209-4
TENNEY PARK APARTMENTS
LLC
1129 Elizabeth St

0709-131-1208-6
LUEBKE, MICHAEL LECY
KAVITA KANWAR
1137 Elizabeth St

0709-131-1207-8
MEYER, DANIEL R
& DEBRA A
1141 Elizabeth St







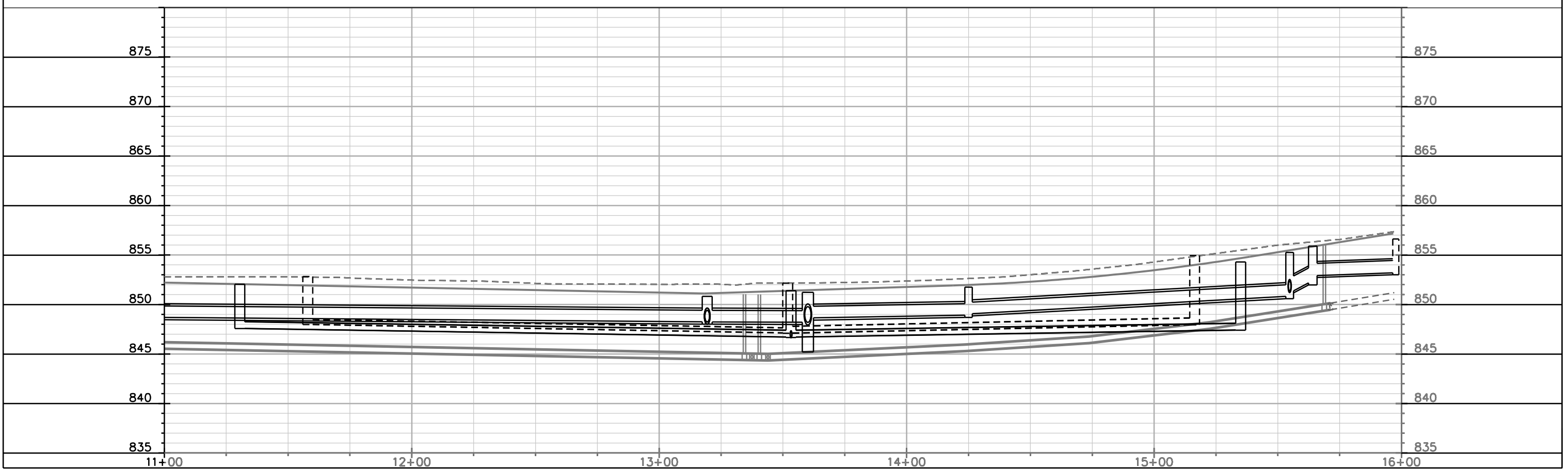
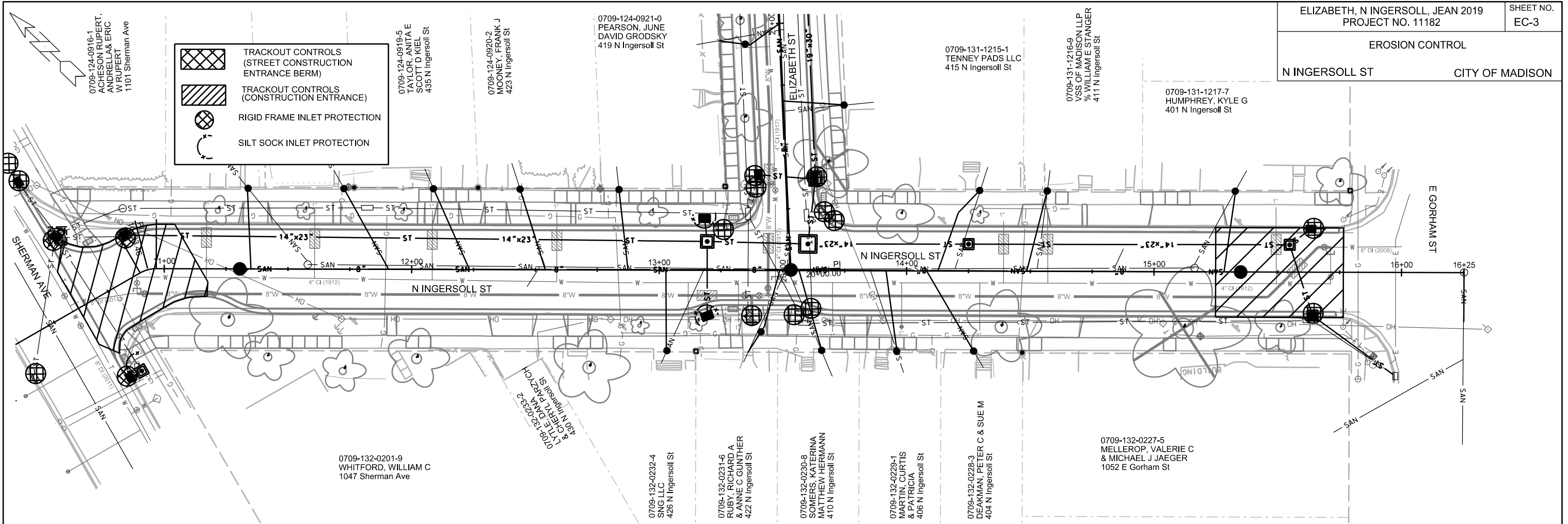
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 TRACKOUT CONTROLS (STREET CONSTRUCTION ENTRANCE BERM)
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 RIGID FRAME INLET PROTECTION
 SILT SOCK INLET PROTECTION

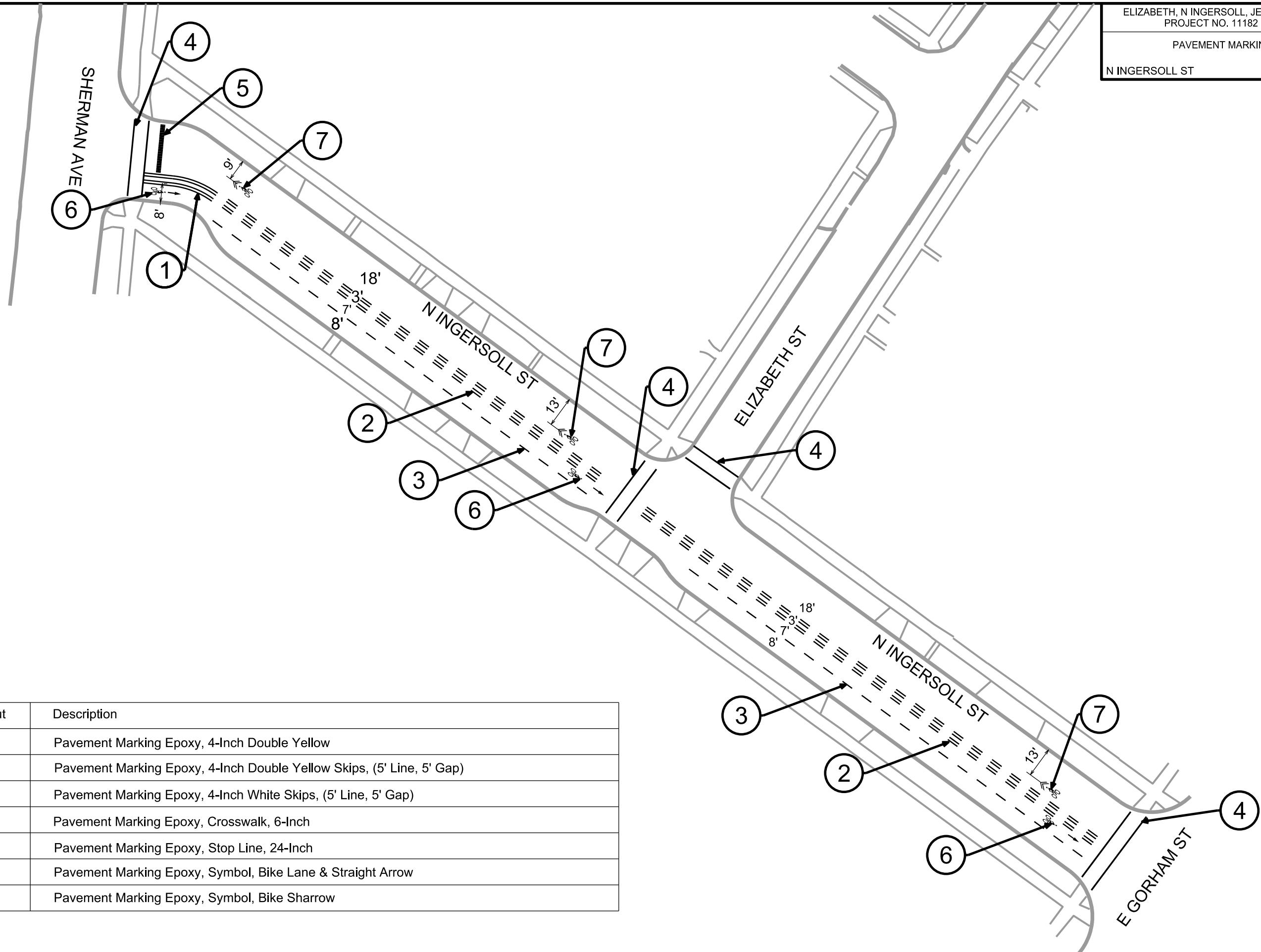


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



Callout	Description
1	Pavement Marking Epoxy, 4-Inch Double Yellow
2	Pavement Marking Epoxy, 4-Inch Double Yellow Skips, (5' Line, 5' Gap)
3	Pavement Marking Epoxy, 4-Inch White Skips, (5' Line, 5' Gap)
4	Pavement Marking Epoxy, Crosswalk, 6-Inch
5	Pavement Marking Epoxy, Stop Line, 24-Inch
6	Pavement Marking Epoxy, Symbol, Bike Lane & Straight Arrow
7	Pavement Marking Epoxy, Symbol, Bike Sharrow

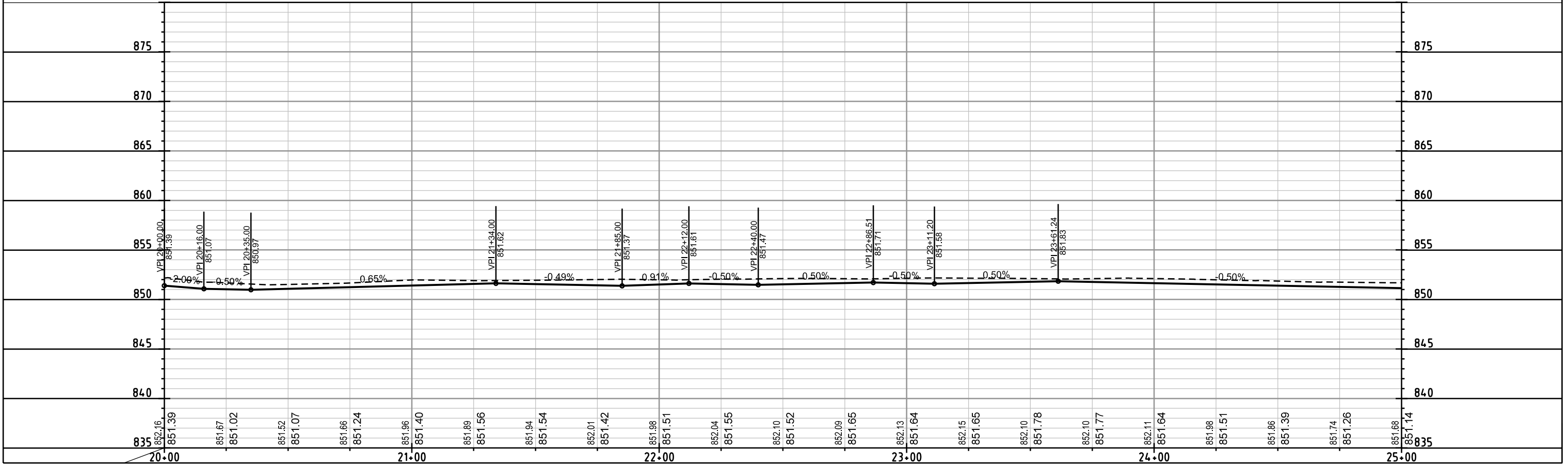
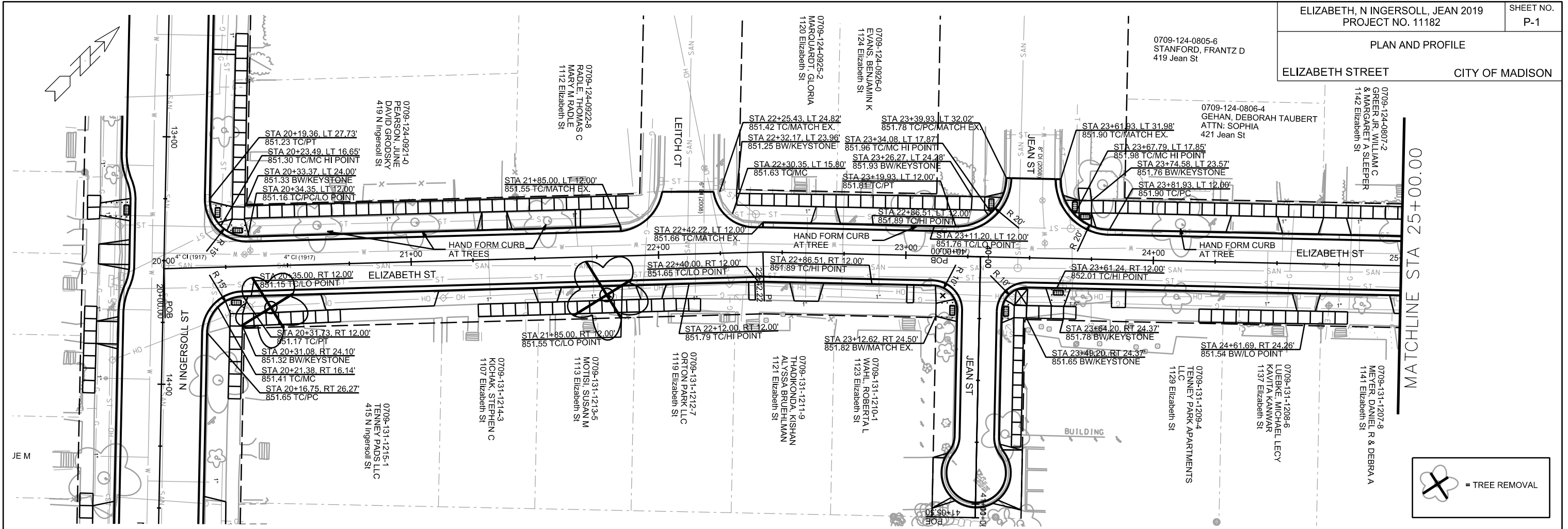
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

PLAN AND PROFILE
ELIZABETH STREET CITY OF MADISON



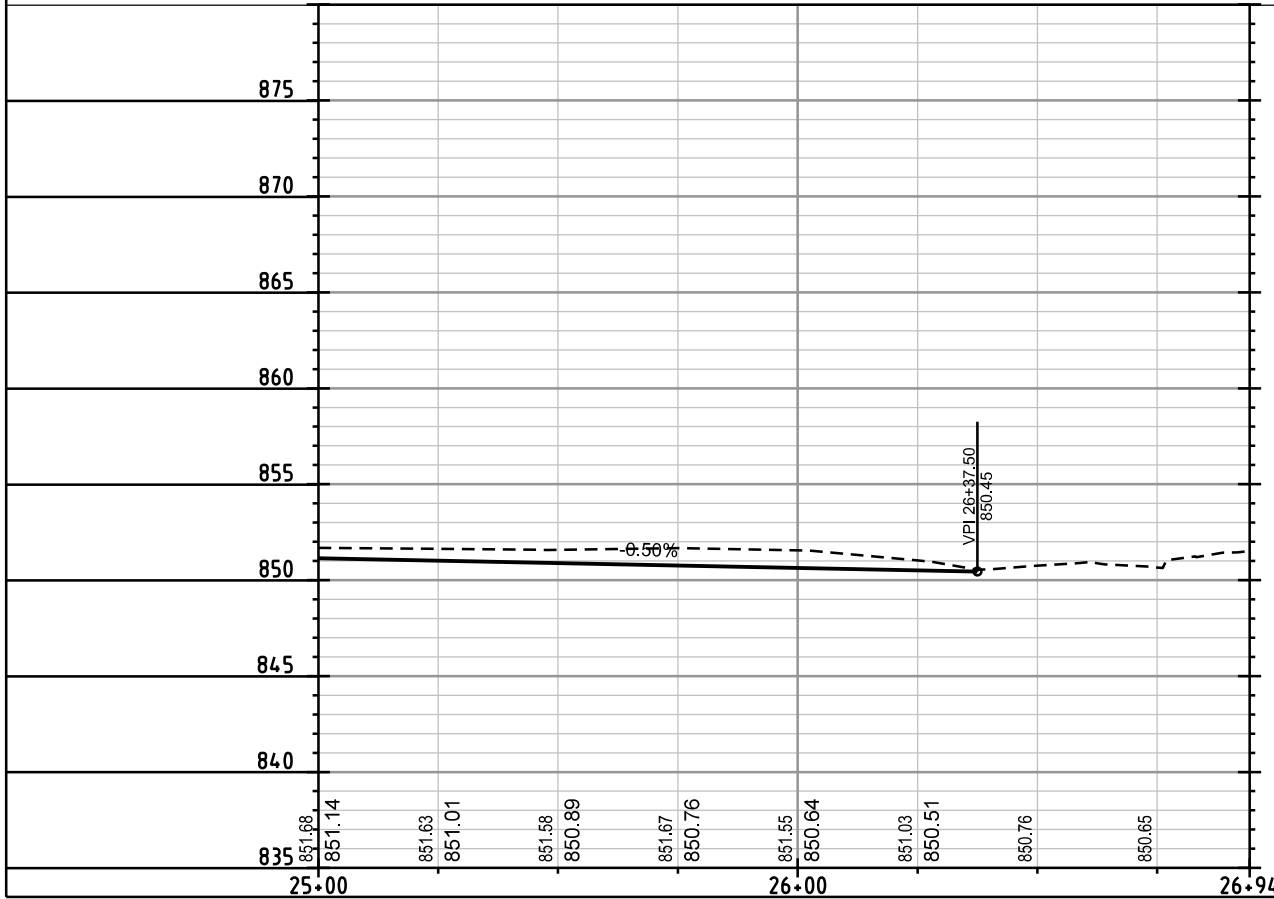
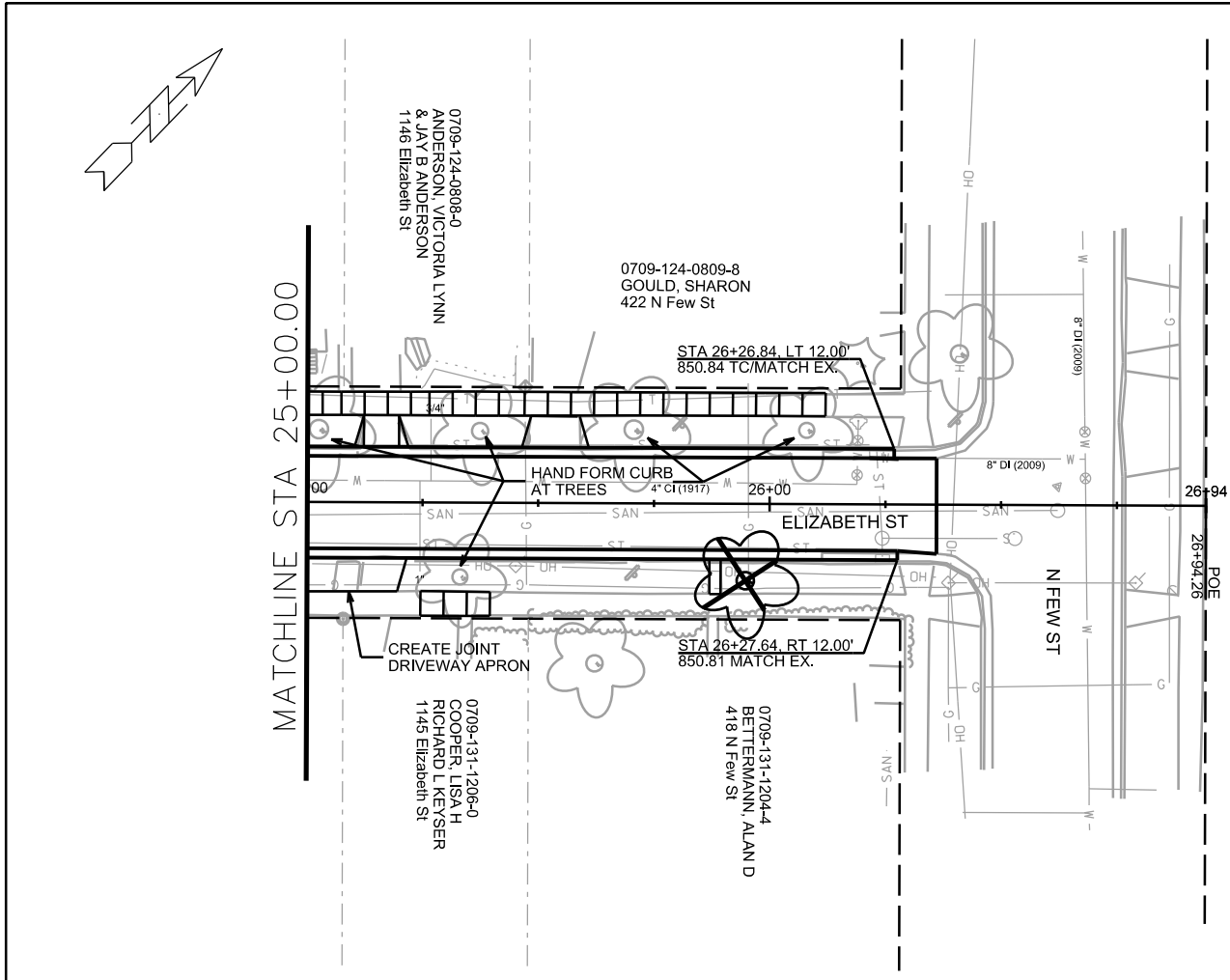
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
ELIZABETH STREET CITY OF MADISON



PLOT SCALE: _____

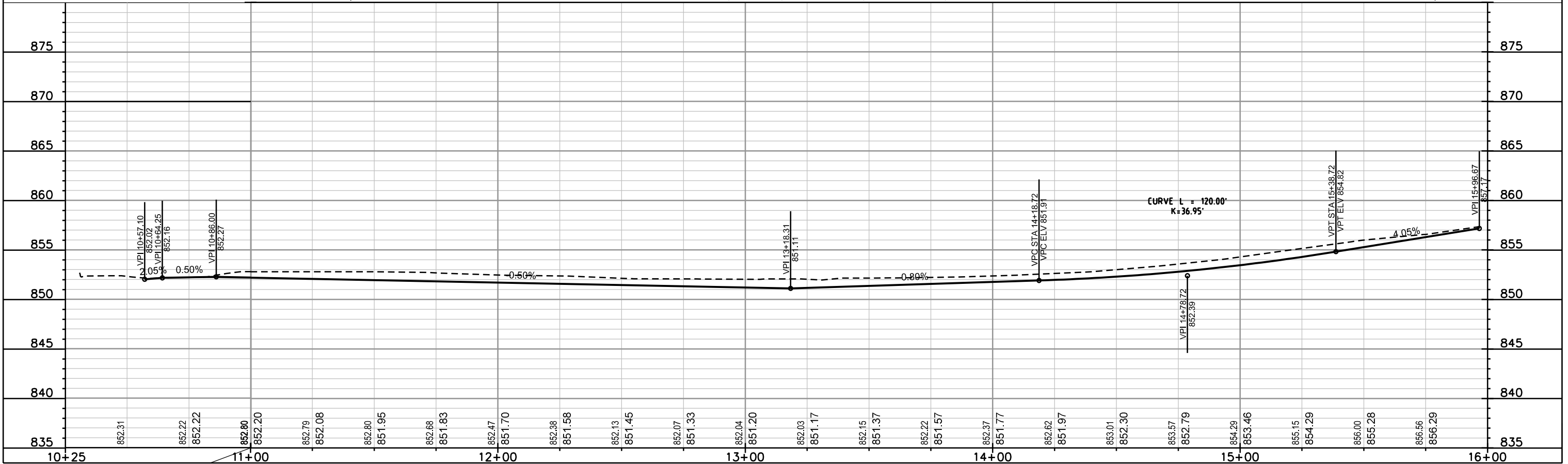
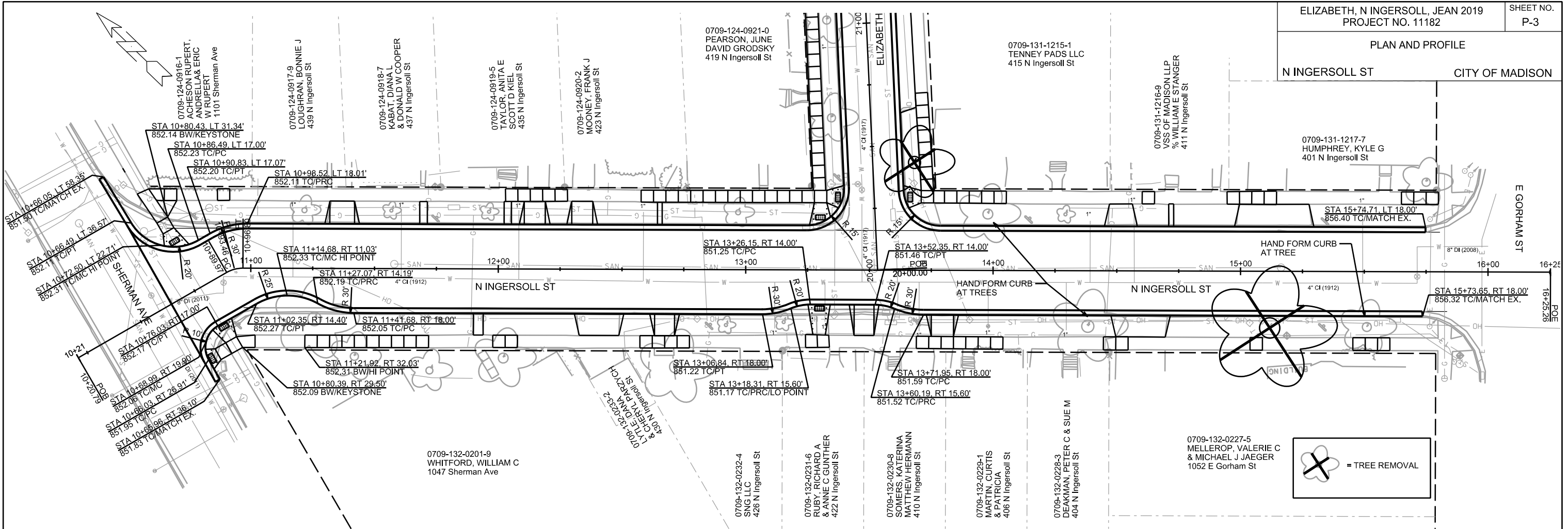
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

N INGERSOLL ST CITY OF MADISON



PLOT SCALE: _____

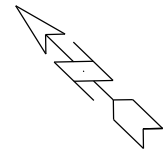
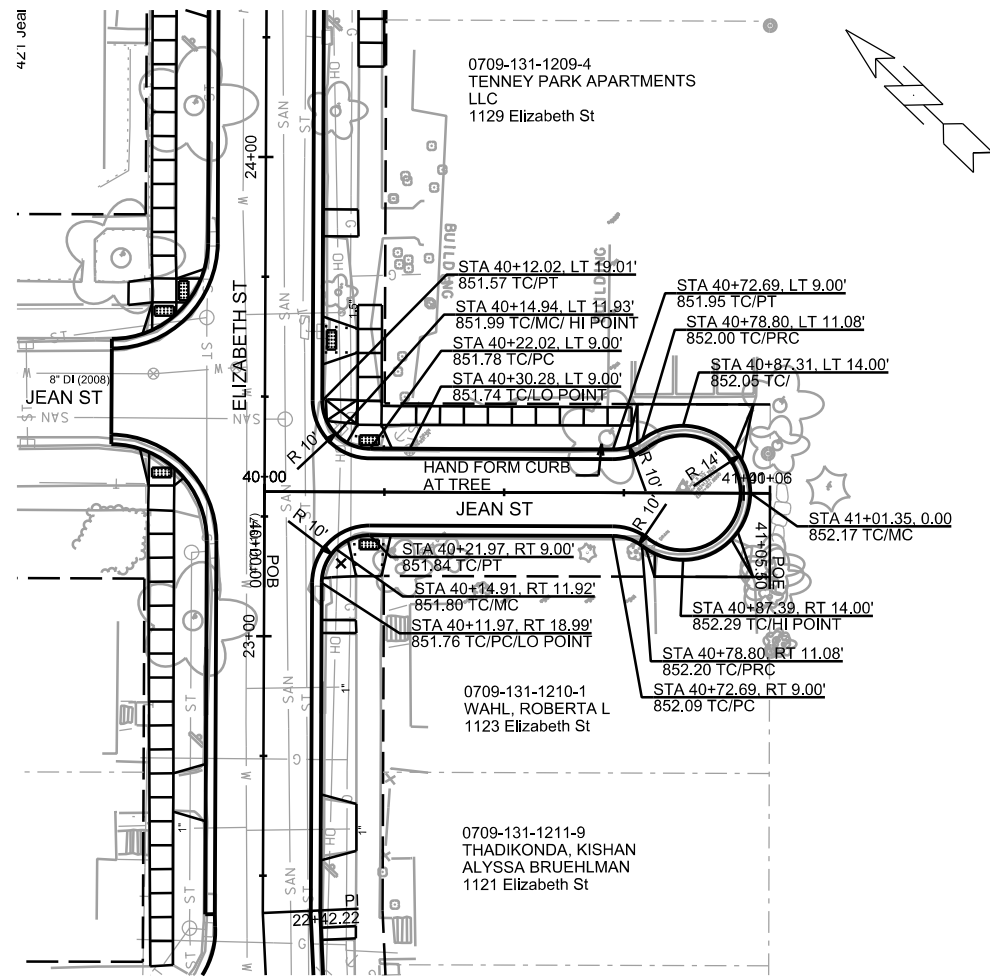
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

JEAN STREET

CITY OF MADISON

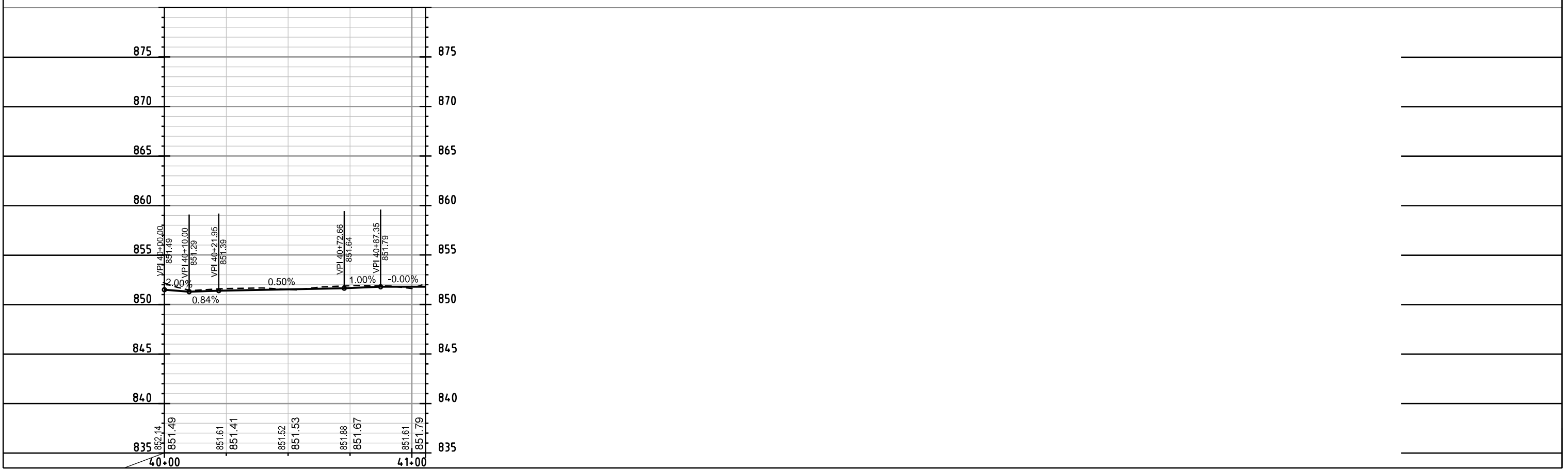


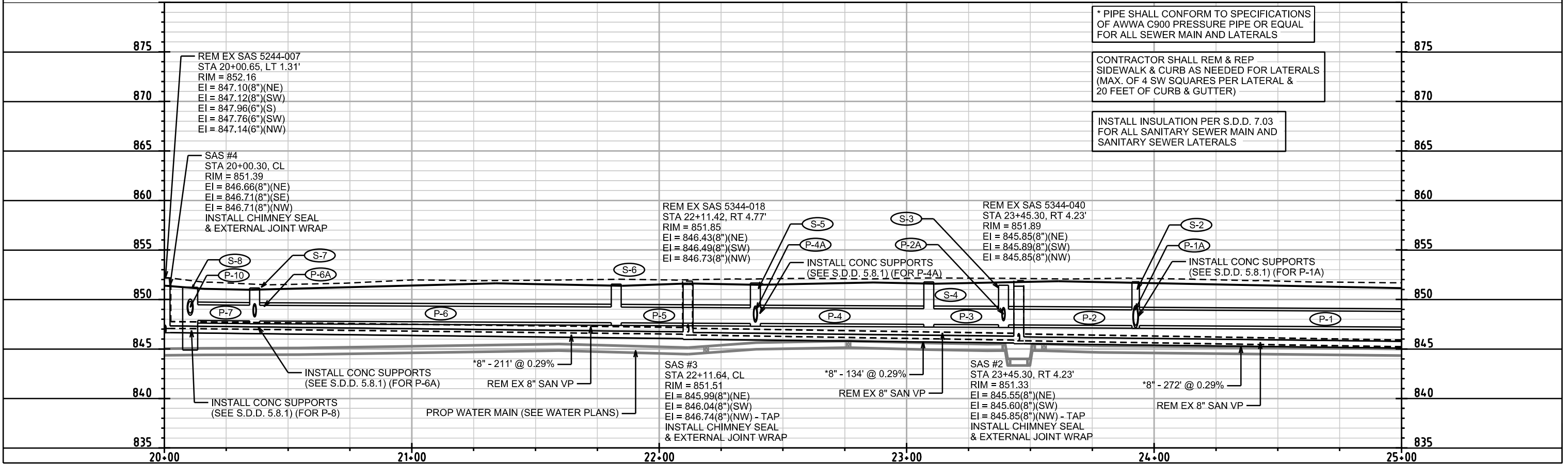
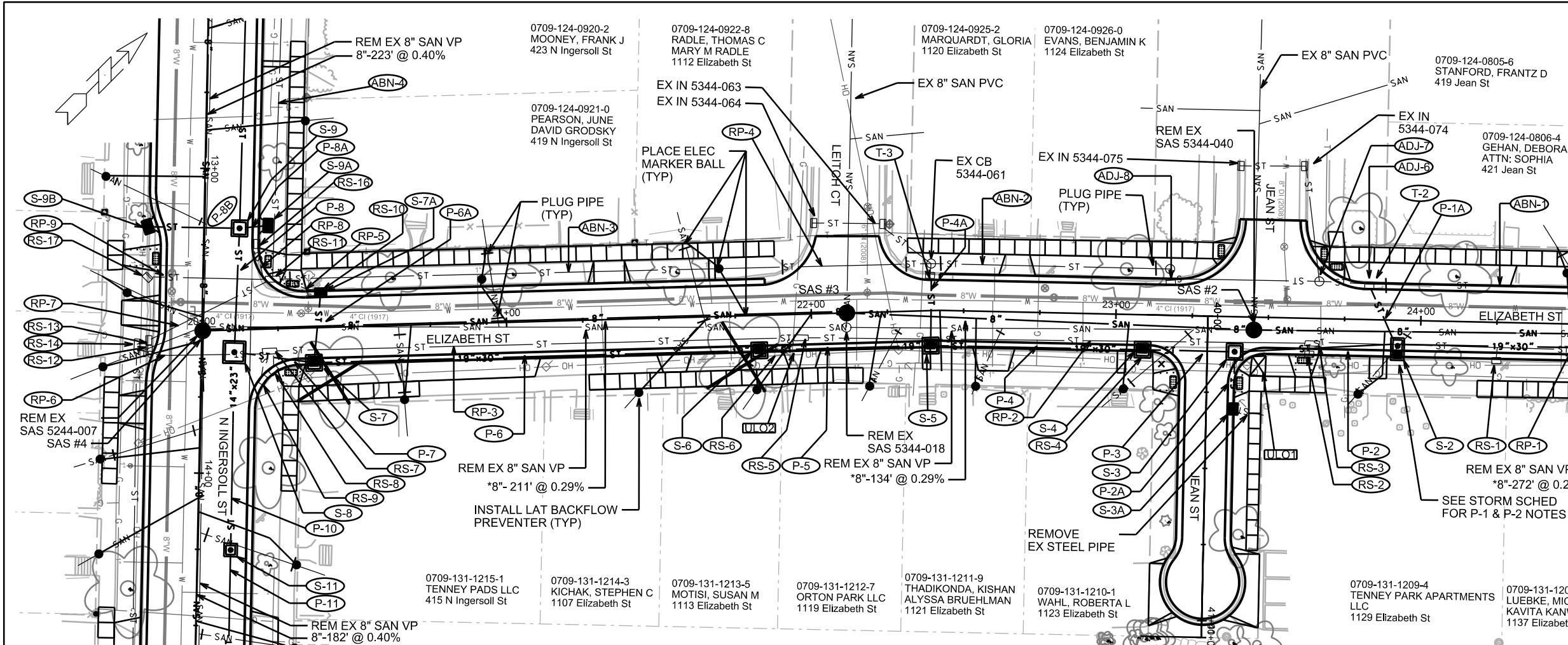
PLOT SCALE: _____

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* PIPE SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 PRESSURE PIPE OR EQUAL FOR ALL SEWER MAIN AND LATERALS

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)

INSTALL INSULATION PER S.D.D. 7.03 FOR ALL SANITARY SEWER MAIN AND SANITARY SEWER LATERALS

INSTALL CONC SUPPORTS (SEE S.D.D. 5.8.1) (FOR P-6A)

INSTALL CONC SUPPORTS (SEE S.D.D. 5.8.1) (FOR P-8)

PROP WATER MAIN (SEE WATER PLANS)

REM EX 8" SAN VP *8" - 211' @ 0.29%

SAS #3
STA 22+11.64, CL
RIM = 851.51
EI = 845.99(8") (NE)
EI = 846.04(8") (SW)
EI = 846.74(8") (NW) - TAP
INSTALL CHIMNEY SEAL & EXTERNAL JOINT WRAP

REM EX 8" SAN VP *8" - 134' @ 0.29%

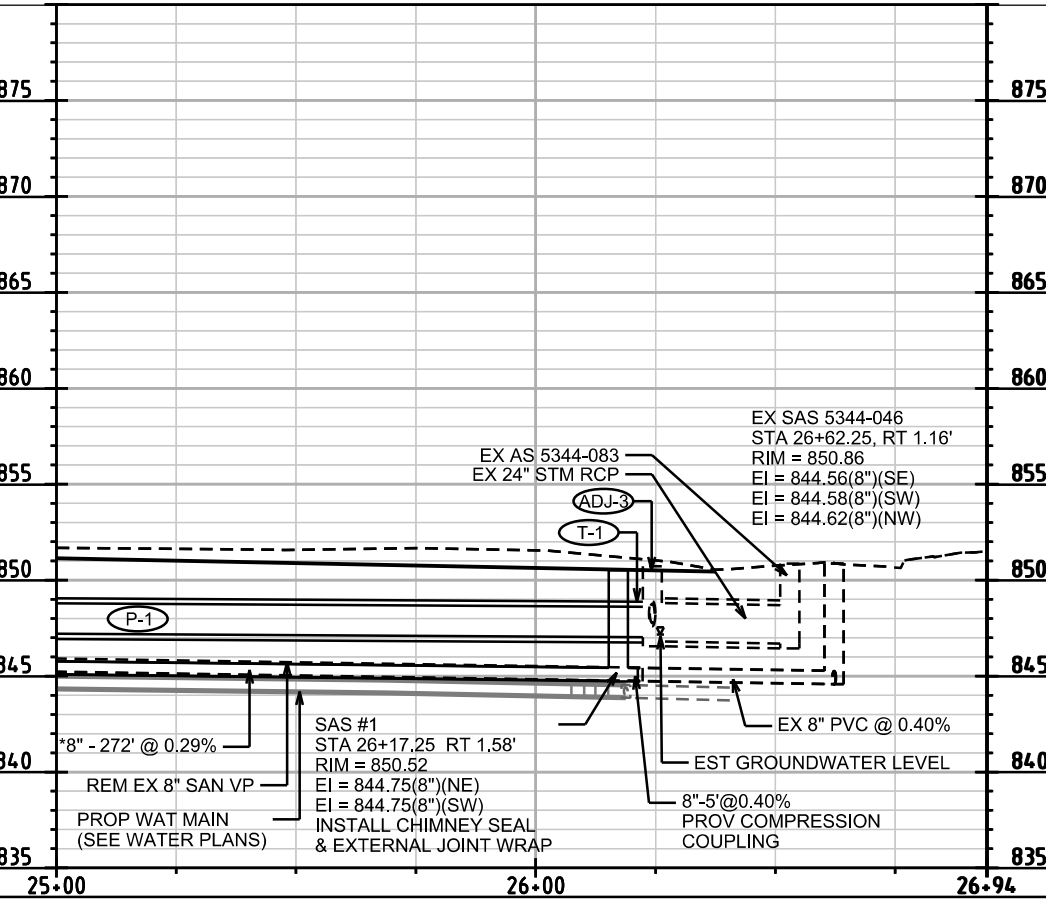
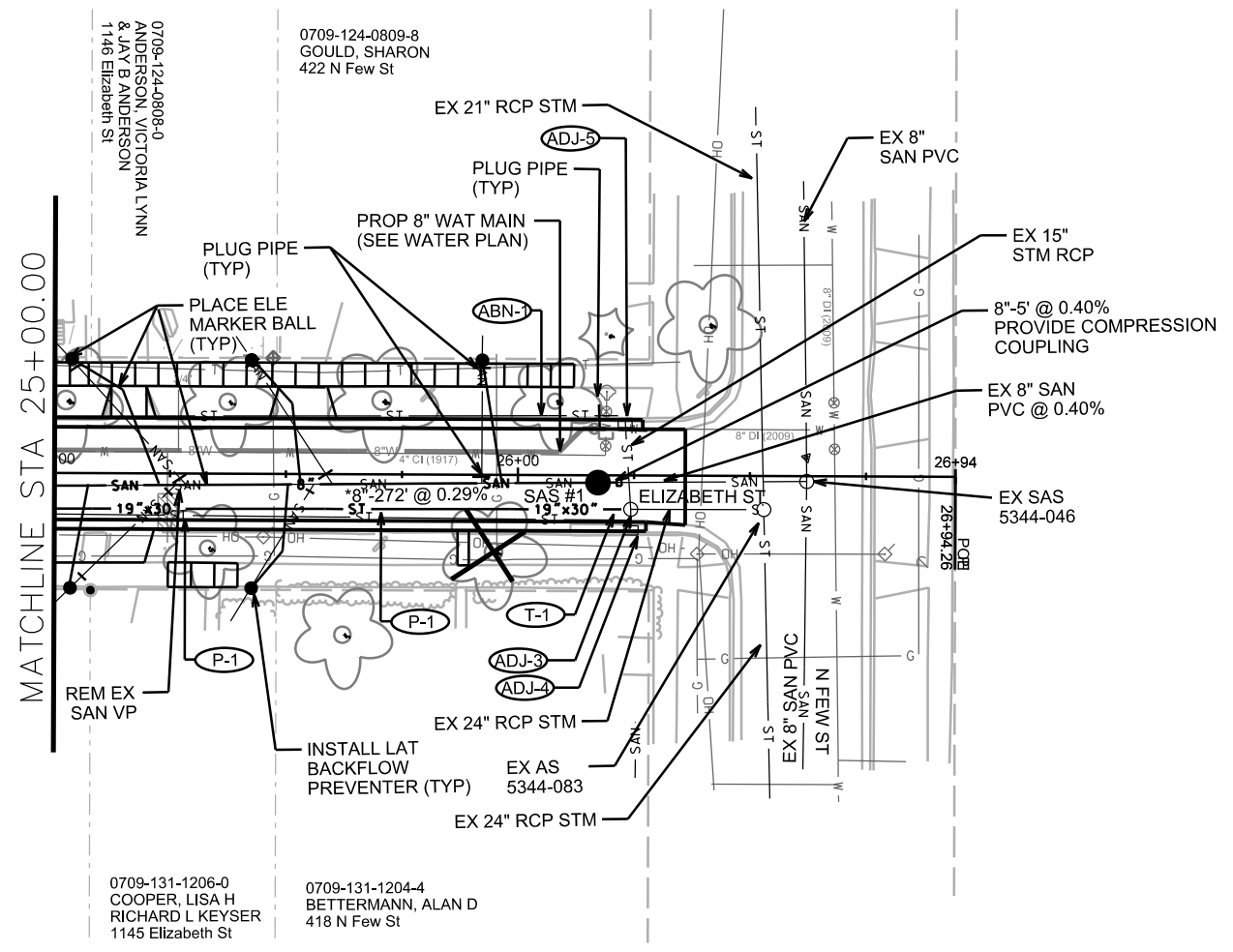
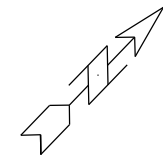
SAS #2
STA 23+45.30, RT 4.23'
RIM = 851.33
EI = 845.55(8") (NE)
EI = 845.60(8") (SW)
EI = 845.85(8") (NW) - TAP
INSTALL CHIMNEY SEAL & EXTERNAL JOINT WRAP

REM EX 8" SAN VP *8" - 272' @ 0.29%

PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



* PIPE SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 PRESSURE PIPE OR EQUAL FOR ALL SEWER MAIN AND LATERALS

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)

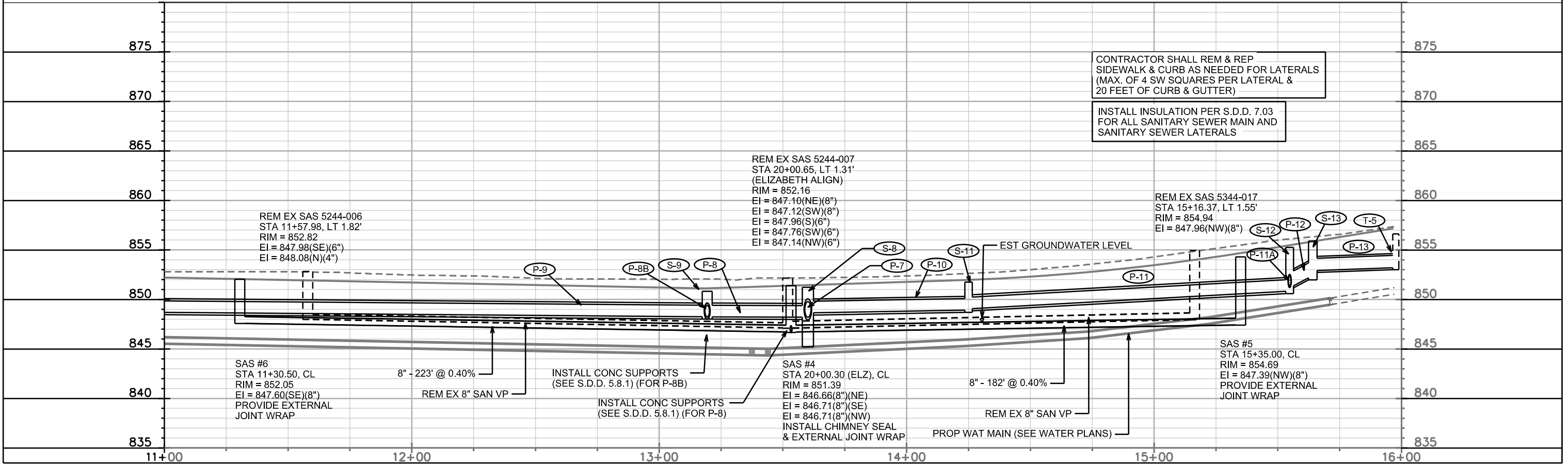
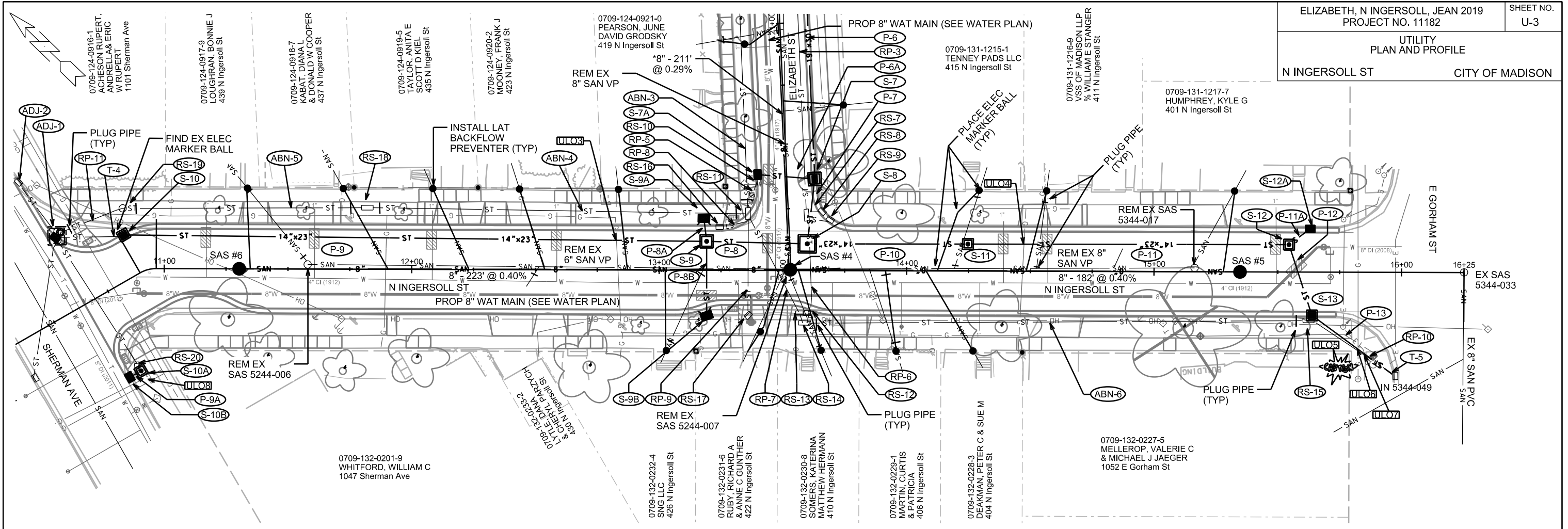
INSTALL INSULATION PER S.D.D. 7.03 FOR ALL SANITARY SEWER MAIN AND SANITARY SEWER LATERALS

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
ELIZABETH ST						
SAS #1	26+17.25	RT-1.58	850.52	844.75	5.77	(1)(2)
SAS #2	23+45.30	RT-4.23	851.33	845.55	5.78	(1)(2)
SAS #3	22+11.64	CL	851.51	845.99	5.52	(1)(2)
SAS #4	20+00.30	CL	851.39	846.66	4.73	(1)(2)
N INGERSOLL ST						
SAS #5	15+35.00	CL	854.69	847.44	7.25	(2)
SAS #6	11+30.50	CL	852.05	847.60	4.45	(2)

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
ELIZABETH ST						
SAS 5344-040	23+45.30	RT-4.23	851.89	845.85	6.04	
SAS 5344-018	22+11.42	RT-4.77	851.85	846.43	5.42	
SAS 5244-007	20+00.65	LT-1.31	852.16	847.10	5.06	
N INGERSOLL ST						
SAS 5344-017	15+16.38	LT-1.55	854.94	847.96	6.98	
SAS 5244-006	11+57.98	LT-1.82	852.82	847.98	4.84	

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
ELIZABETH ST								
STA 26+21.83, RT-1.55'	SAS #1	844.74	844.75	5	0.40%	8"	SDR-35	(3)
SAS #1	SAS #2	844.75	845.55	272	0.29%	8"	C900	
SAS #2	SAS #3	845.60	845.99	134	0.29%	8"	C900	
SAS #3	SAS #4	846.04	846.66	211	0.29%	8"	C900	
N INGERSOLL ST								
SAS #4	SAS #5	846.71	847.44	182	0.40%	8"	SDR-35	
SAS #4	SAS #6	846.71	847.60	223	0.40%	8"	SDR-35	

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
ELIZABETH ST						
STA 26+21.83, RT-1.55'	SAS 5344-040	277	EX. VP	8"	N	
SAS 5344-040	SAS 5344-018	134	EX. VP	8"	N	
SAS 5344-018	SAS 5244-007	211	EX. VP	8"	N	
N INGERSOLL ST						
SAS 5244-007	SAS 5344-017	164	EX. VP	8"	N	
SAS 5244-007	SAS 5244-006	194	EX. VP	8"	N	

SPECIFIC NOTES

- (1) INSTALL INTERNAL CHIMNEY SEAL
- (2) PROVIDE EXTERNAL JOINT WRAP
- (3) PROVIDE COMPRESSION COUPLING; CONNECT SAS #1 TO EXISING PVC SANITARY MAIN

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
ELIZABETH ST							
T-1	26+22.32	RT-7.31	TAP	-	847.02	-	TAP EX AS 5344-086
S-2	23+92.53	RT-9.50	3'X6' SAS	851.78	847.36	4.42	(1); FP
T-2	23+83.31	LT-10.28	TAP	-	847.46	-	TAP EX IN 5344-072
S-3	23+39.17	RT-11.50	4'X4' SAS	851.43	847.44	3.99	FP; W/1550-0054
S-3A	23+39.20	RT-30.28	H INLET	851.74	848.11	3.63	LP; W/3067-7004-V
S-4	23+08.94	RT-11.50	4'X4' SAS	851.77	847.48	4.29	FP; W/3067-7004-V
S-5	22+38.87	RT-11.50	4'X4' SAS	851.65	847.57	4.08	LP; FP; W/3067-7004-V
T-3	22+39.67	LT-10.34	TAP	-	848.02	-	TAP EX CB 5344-061
S-6	21+82.63	RT-11.50	4'X4' SAS	851.55	847.65	3.90	LP; FP; W/3067-7004-V
S-7	20+39.32	RT-11.50	4'X4' SAS	851.15	847.82	3.33	LP; FP; W/3067-7004-V
S-7A	20+36.50	LT-11.50	H INLET	851.18	848.52	2.66	LP; FP; W/3067-7004-V
S-8	20+10.45	RT-7.30	6'X6' CATCHBASIN	851.23	847.89	3.34	(2); FP
N INGERSOLL ST							
S-9	13+19.39	LT-11.69	4'X4' SAS	850.82	848.24	2.58	FP; W/1550-0054
S-9A	13+18.28	LT-21.00	TERRACE INLET TYPE 3	851.17	848.29	2.88	(3); LP, FP
S-9B	13+19.48	RT-18.36	TERRACE INLET TYPE 3	851.17	848.44	2.73	(3); LP, FP
S-10	10+90.84	LT-16.57	3'X3' SAS	852.20	848.71	3.49	W/3067-7004-V
T-4	10+90.84	LT-16.57	COLLAR	-	849.11	-	(4)
S-10A	10+70.73	RT-34.64	3'X3' SAS	852.05	849.09	2.96	FP; W/1550-0054
S-10B	10+65.47	RT-34.60	H INLET	851.83	849.11	2.72	FP; W/3067-7004-V
S-11	14+25.00	LT-10.91	3'X3' SAS	851.75	848.93	2.82	FP; W/1550-0054
S-12	15+54.77	LT-11.07	3'X3' SAS	855.25	850.86	4.39	W/1550-0054
S-12A	15+63.31	LT-17.50	H INLET	855.87	851.43	4.44	W/3067-7004-V
S-13	15+64.17	RT-17.24	3'X3' SAS	855.90	852.63	3.27	FP; W/3067-7004-V
T-5	15+96.66	RT-41.16	TAP	-	853.22	-	TAP EX IN 5344-049

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
ELIZABETH										
P-1	T-1	S-2	847.02	847.36	232	228	0.15%	19"x30"	HERCP	(5)
P-1A	S-2	T-2	847.39	847.46	23	19	0.37%	21"	RCP	(6)
P-2	S-2	S-3	847.36	847.44	53	50	0.16%	19"x30"	HERCP	(5)
P-2A	S-3	S-3A	848.02	848.11	19	15	0.60%	12"	RCP	
P-3	S-3	S-4	847.44	847.48	30	26	0.15%	19"x30"	HERCP	
P-4	S-4	S-5	847.48	847.57	69	65	0.14%	19"x30"	HERCP	
P-4A	S-5	T-3	847.90	848.02	24	19	0.63%	15"	RCP	(6)
P-5	S-5	S-6	847.57	847.65	56	52	0.15%	19"x30"	HERCP	
P-6	S-6	S-7	847.65	847.82	145	142	0.12%	19"x30"	HERCP	
P-6A	S-7	S-7A	848.40	848.52	23	20	0.60%	12"	RCP	(6)
P-7	S-7	S-8	847.82	847.89	26	21	0.33%	19"x30"	HERCP	
N INGERSOLL ST										
P-8	S-8	S-9	848.20	848.24	41	36	0.11%	14"x23"	HERCP	(6)
P-8A	S-9	S-9A	848.24	848.29	9	6	0.83%	14"x23"	HERCP	
P-8B	S-9	S-9B	848.24	848.44	30	27	0.74%	14"x23"	HERCP	(6)
P-9	S-9	S-10	848.24	848.71	236	232	0.20%	14"x23"	HERCP	
P-9A	S-10A	S-10B	849.09	849.11	5	3	0.67%	15"	RCP	
P-10	S-8	S-11	848.63	848.93	65	60	0.50%	14"x23"	HERCP	
P-11	S-11	S-12	849.03	850.86	130	127	1.44%	14"x23"	HERCP	
P-11A	S-12	S-12A	851.36	851.43	11	7	1.00%	12"	RCP	
P-12	S-12	S-13	850.96	852.63	30	27	6.19%	18"	RCP	
P-13	S-13	T-4	852.88	853.22	41	38	0.89%	15"	RCP	

NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS'S.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

SPECIFIC NOTES

- (1) STA OFFSET AT CENTER OF STRUCTURE; INSTALL R-1550-0054 & R-3064-7004-V
- (2) INVERT GIVEN IS FOR OUTGOING PIPE; ADD 3' SUMP; CONSTRUCT PER S.D.D. 5.7.4
- (3) GRATE ELEVATION 0.2 FT BELOW TOC ELEVATION
- (4) CONNECT EX 14"x23" HERCP TO S-10; PAID AS COLLAR (BID ITEM 50499) & INCLUDES INCIDENTAL MATERIALS & LABOR
- (5) SET CENTER OF PIPE AT S-2 TO BE AT STA 23+92.53, RT-7.94' (OFFSET TO BUFFER FOR TREE ROOTS)
- (6) INSTALL CONCRETE SUPPORTS AT SANITARY SEWER MAIN CROSSINGS PER S.D.D. 5.8.1, SEE PLAN NOTES

STORM SEWER SCHEDULE

ELIZABETH, N INGERSOLL, JEAN 2019	SHEET NO.
PROJECT NO. 11182	U-6
STORM SEWER SCHEDULE	
CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ELIZABETH ST					
RS-1	UNK IN-01	24+24.98	RT-12.26	TUB INLET	
RS-2	IN 5344-069	23+63.64	RT-11.67	TUB INLET	
RS-3	AS 5344-036	23+64.29	RT-8.08	5'x7' SAS	
RS-4	UNK IN-02	23+08.94	RT-11.33	TUB INLET	
RS-5	AS 5344-048	21+96.37	RT-7.49	5'x7' SAS	
RS-6	UNK IN-03	21+89.42	RT-10.92	TUB INLET	
RS-7	AS 5244-014	20+22.49	RT-7.30	5'x7' SAS	
RS-8	UNK IN-04	20+23.36	RT-14.03	TUB INLET	
RS-9	UNK IN-05	20+19.82	RT-16.87	TUB INLET	
RS-10	IN 5244-013	20+36.60	LT-11.47	TUB INLET	
RS-11	AS 5244-001	20+23.71	LT-16.43	5'x7' SAS	

N INGERSOLL ST

RS-12	IN 5244-005A	13+60.42	RT-17.12	TUB INLET	
RS-13	IN 5244-005B	13+56.84	RT-16.94	TUB INLET	
RS-14	AS 5244-002	13+58.52	RT-21.40	5'x7' SAS	
RS-15	AS 5344-042	15+62.59	RT-19.55	5'x7' SAS	
RS-16	IN 5244-004	13+24.45	LT-17.44	TUB INLET	
RS-17	IN 5244-003	13+35.88	RT-17.18	TUB INLET	
RS-18	AS 5244-007	11+81.89	LT-24.72	5'x7' SAS	
RS-19	AS 5244-017	10+92.23	LT-26.72	3'x3' SAS	
RS-20	IN 5244-024	10+69.87	RT-32.50	TERRACE INLET	

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
ELIZABETH ST				
ULO1	23+48.91	RT-17.99	GAS	
ULO2	21+93.58	RT-10.70	GAS	
N INGERSOLL ST				
ULO3	12+82.74	LT-11.97	GAS	
ULO4	14+47.43	LT-10.92	GAS	
ULO5	15+74.62	RT-25.14	TEL	
ULO6	15+82.53	RT-30.89	GAS	
ULO7	15+85.16	RT-32.80	ELE	
ULO8	10+71.00	RT-37.94	GAS	

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
ELIZABETH ST							
RP-1	T-1	RS-3	260	15"	VP	N	
RP-2	RS-3	RS-5	167	15"	VP	N	
RP-3	RS-5	RS-7	175	15"	VP	N	
RP-4	STA 21+91.00, LT-15.61	STA 22+36.00, LT-13.67	45	21"	RCP	Y	
RP-5	RS-11	RS-10	15	12"	VP	N	
N INGERSOLL ST							
RP-6	RS-7	RS-12	44	15"	VP	Y	
RP-7	RS-11	RS-14	50	12"	VP	Y	
RP-8	RS-11	RS-16	13	12"	VP	N	
RP-9	RS-11	RS-17	40	12"	VP	Y	
RP-10	RS-15	T-5	42	12"	VP	N	
RP-11	RS-19	CB 5244-018 (ADJ-1)	29	14"x23"	HERCP	Y	

STORM SEWER ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
ELIZABETH ST							
ABN-1	IN 5344-088	IN 5344-072 (T-2)	240	15"	VP	Y	ABANDON W/ PIPE PLUGS
ABN-2	CB 5344-070	CB 5344-061	78	15"	VP	Y	ABANDON W/ PIPE PLUGS
ABN-3	STA 22+36.00, LT-13.67	RS-11	168	15"	VP	Y	ABANDON W/ PIPE PLUGS
N INGERSOLL ST							
ABN-4	RS-11	RS-18	154	15"	VP	Y	ABANDON W/ PIPE PLUGS
ABN-5	RS-18	RS-19	98	15"	VP	Y	ABANDON W/ PIPE PLUGS
ABN-6	RS-14	RS-15	204	10"	VP	Y	ABANDON W/ PIPE PLUGS

STORM STRUCTURE ADJUSTMENTS

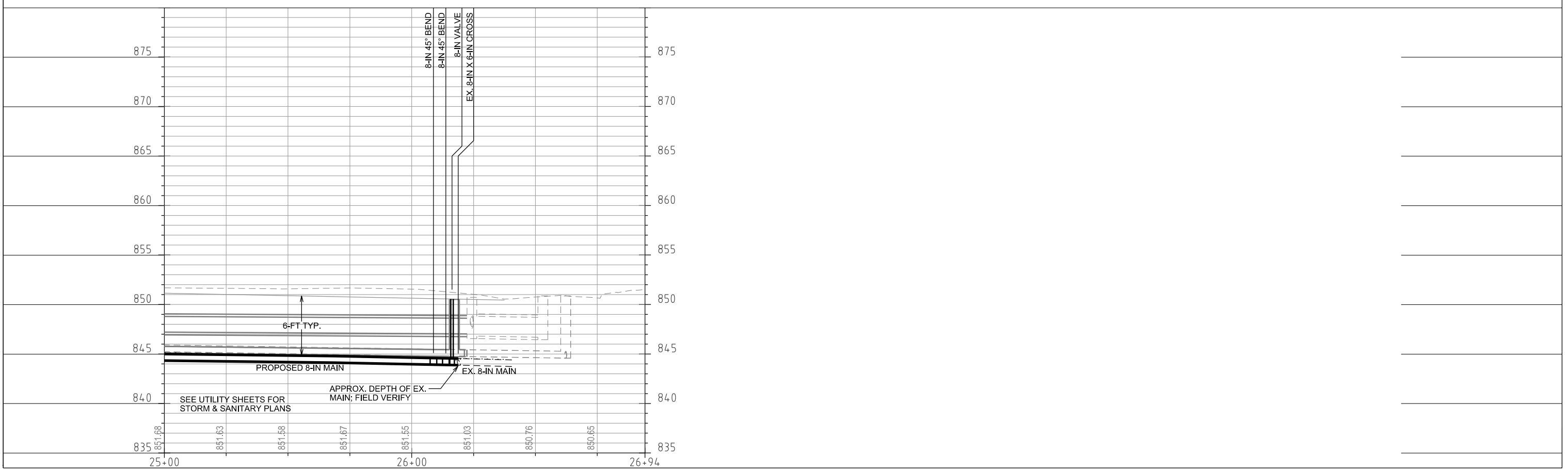
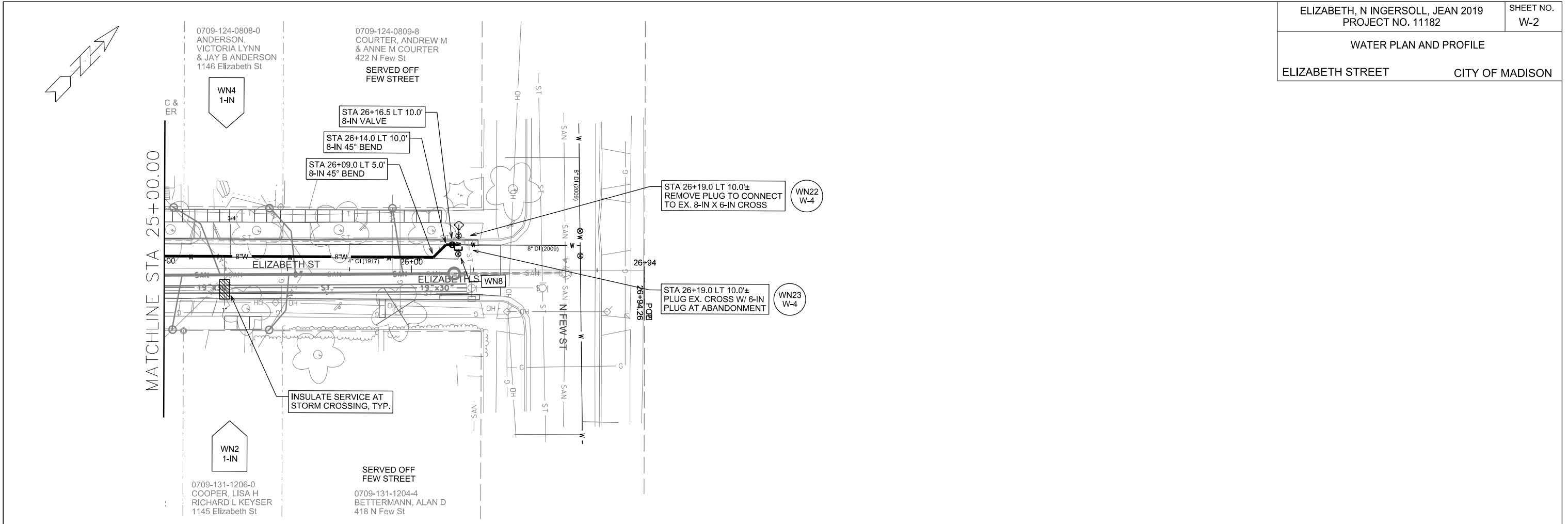
ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
N INGERSOLL ST						
ADJ-1	10+67.50	LT-29.26	851.75	852.33	0.58	(1)
ADJ-2	10+65.59	LT-56.37	851.47	851.50	0.03	H INLET ADJUST
ELIZABETH ST						
ADJ-3	26+24.34	RT-7.30	850.72	850.37	-0.35	CB ADJUST
ADJ-4	26+24.42	RT-11.50	850.24	850.69	0.45	H INLET ADJUST
ADJ-5	26+23.10	LT-11.50	850.52	850.70	0.18	H INLET ADJUST
ADJ-6	23+83.11	LT-11.50	851.14	851.90	0.76	H INLET ADJUST
ADJ-7	23+66.61	LT-12.30	851.49	851.98	0.49	CB ADJUST
ADJ-8	23+17.72	LT-11.50	851.37	851.79	0.42	H INLET ADJUST

STANDARD NOTES:

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SPECIFIC NOTES

(1) STA OFFSET AT 0.5' FROM FACE OF CURB; RECONSTRUCT ROOF; INSTALL R-1550-0054 & R-3064-7004-V; PAID AS BID ITEM 40371

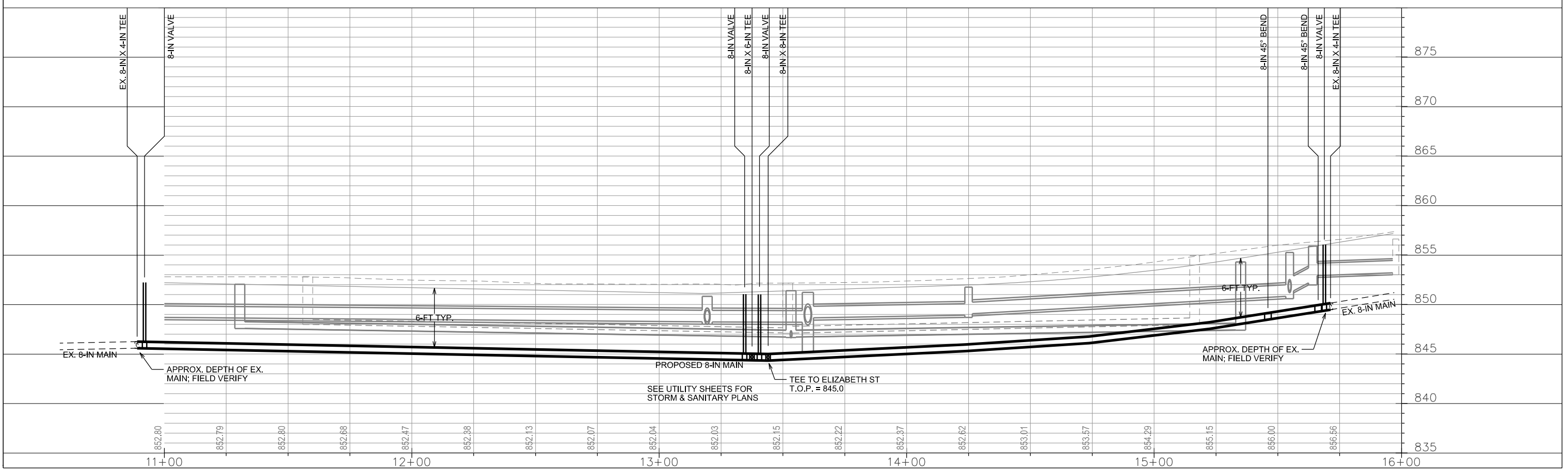
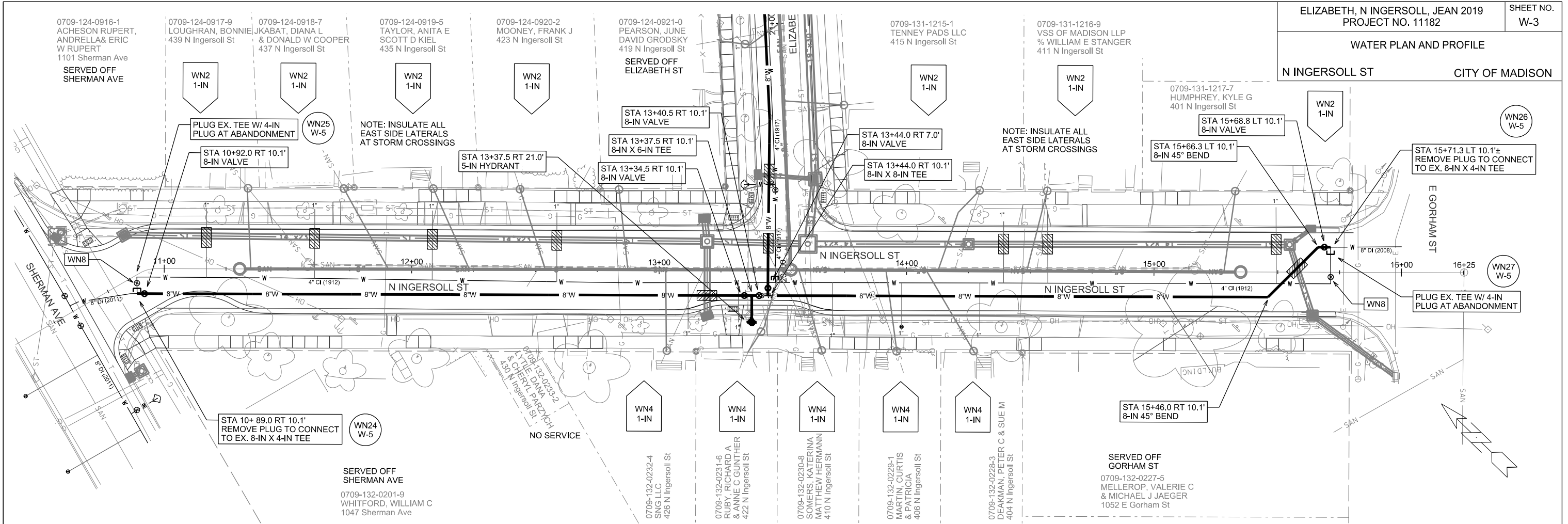


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

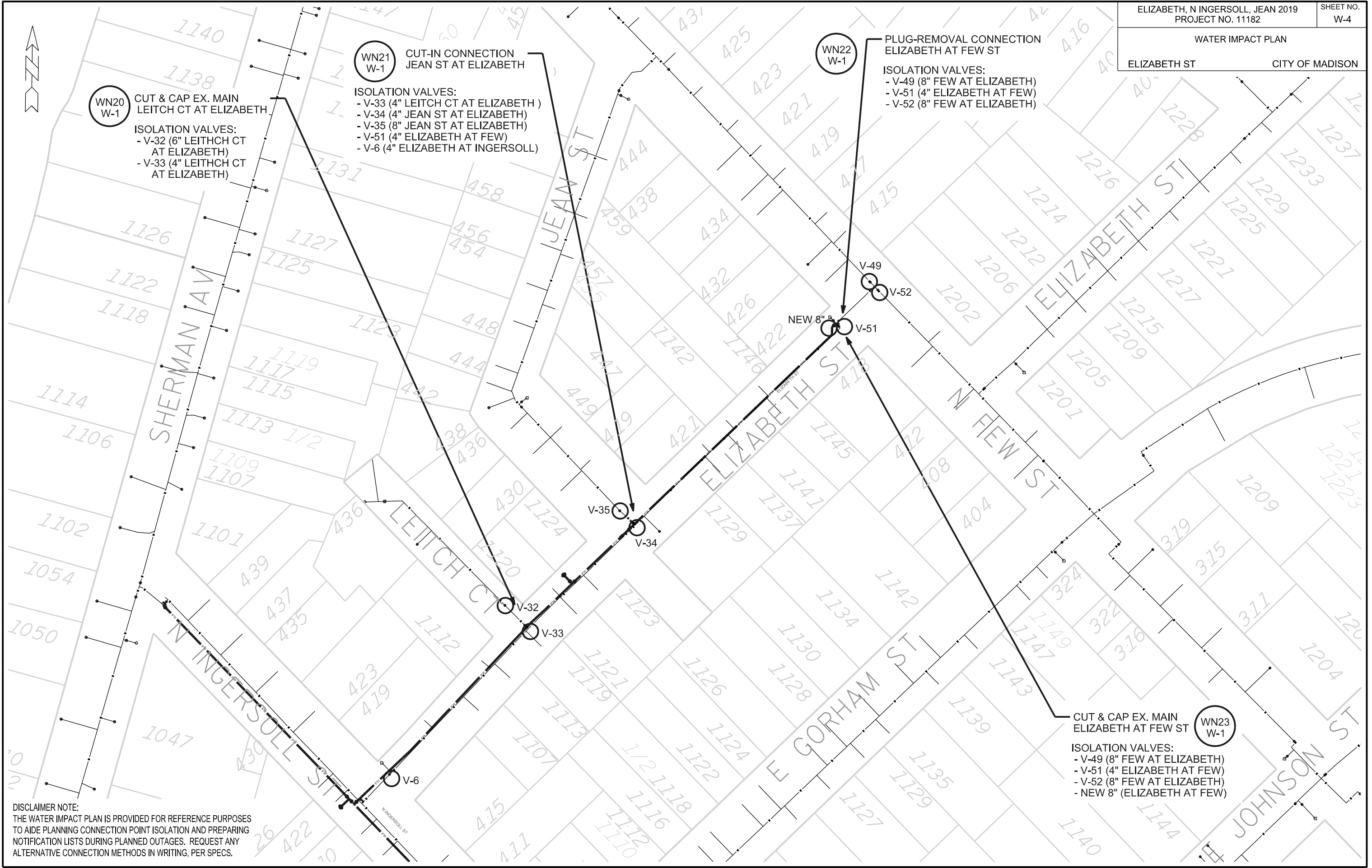


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WN20
W-1

CUT & CAP EX. MAIN
LEITCH CT AT ELIZABETH

ISOLATION VALVES:
- V-32 (6" LEITCH CT
AT ELIZABETH)
- V-33 (4" LEITCH CT
AT ELIZABETH)

WN21
W-1

CUT-IN CONNECTION
JEAN ST AT ELIZABETH

ISOLATION VALVES:
- V-33 (4" LEITCH CT AT ELIZABETH)
- V-34 (4" JEAN ST AT ELIZABETH)
- V-35 (8" JEAN ST AT ELIZABETH)
- V-51 (4" ELIZABETH AT FEW)
- V-6 (4" ELIZABETH AT INGERSOLL)

WN22
W-1

PLUG-REMOVAL CONNECTION
ELIZABETH AT FEW ST

ISOLATION VALVES:
- V-49 (8" FEW AT ELIZABETH)
- V-51 (4" ELIZABETH AT FEW)
- V-52 (8" FEW AT ELIZABETH)

WN23
W-1

CUT & CAP EX. MAIN
ELIZABETH AT FEW ST

ISOLATION VALVES:
- V-49 (8" FEW AT ELIZABETH)
- V-51 (4" ELIZABETH AT FEW)
- V-52 (8" FEW AT ELIZABETH)
- NEW 8" (ELIZABETH AT FEW)

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING
NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

LAKE MENDOTA

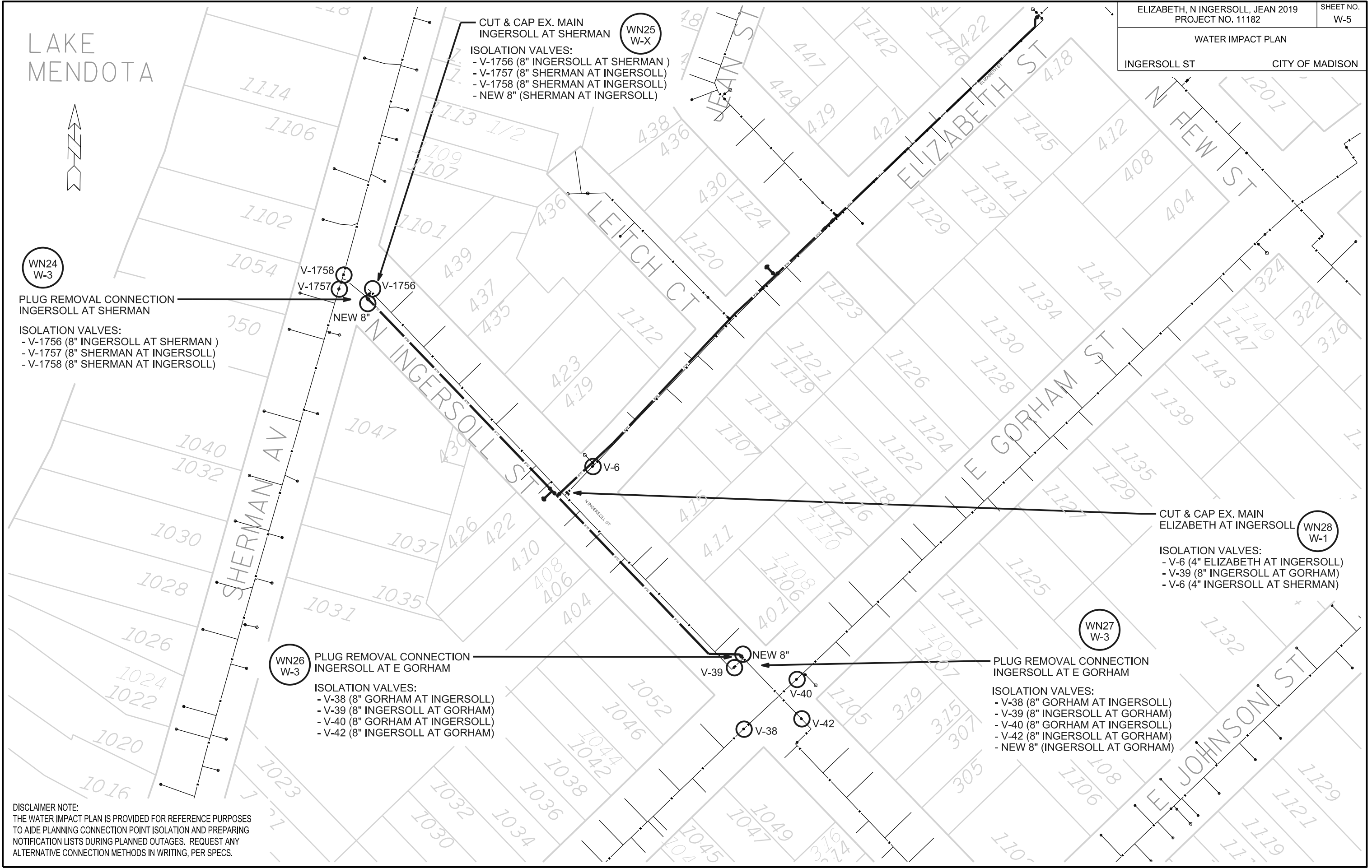


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**CUT & CAP EX. MAIN
INGERSOLL AT SHERMAN** (WN25 W-X)

ISOLATION VALVES:

- V-1756 (8" INGERSOLL AT SHERMAN)
- V-1757 (8" SHERMAN AT INGERSOLL)
- V-1758 (8" SHERMAN AT INGERSOLL)
- NEW 8" (SHERMAN AT INGERSOLL)

(WN24 W-3)

**PLUG REMOVAL CONNECTION
INGERSOLL AT SHERMAN**

ISOLATION VALVES:

- V-1756 (8" INGERSOLL AT SHERMAN)
- V-1757 (8" SHERMAN AT INGERSOLL)
- V-1758 (8" SHERMAN AT INGERSOLL)

**CUT & CAP EX. MAIN
ELIZABETH AT INGERSOLL** (WN28 W-1)

ISOLATION VALVES:

- V-6 (4" ELIZABETH AT INGERSOLL)
- V-39 (8" INGERSOLL AT GORHAM)
- V-6 (4" INGERSOLL AT SHERMAN)

(WN26 W-3)

**PLUG REMOVAL CONNECTION
INGERSOLL AT E GORHAM**

ISOLATION VALVES:

- V-38 (8" GORHAM AT INGERSOLL)
- V-39 (8" INGERSOLL AT GORHAM)
- V-40 (8" GORHAM AT INGERSOLL)
- V-42 (8" INGERSOLL AT GORHAM)

(WN27 W-3)

**PLUG REMOVAL CONNECTION
INGERSOLL AT E GORHAM**

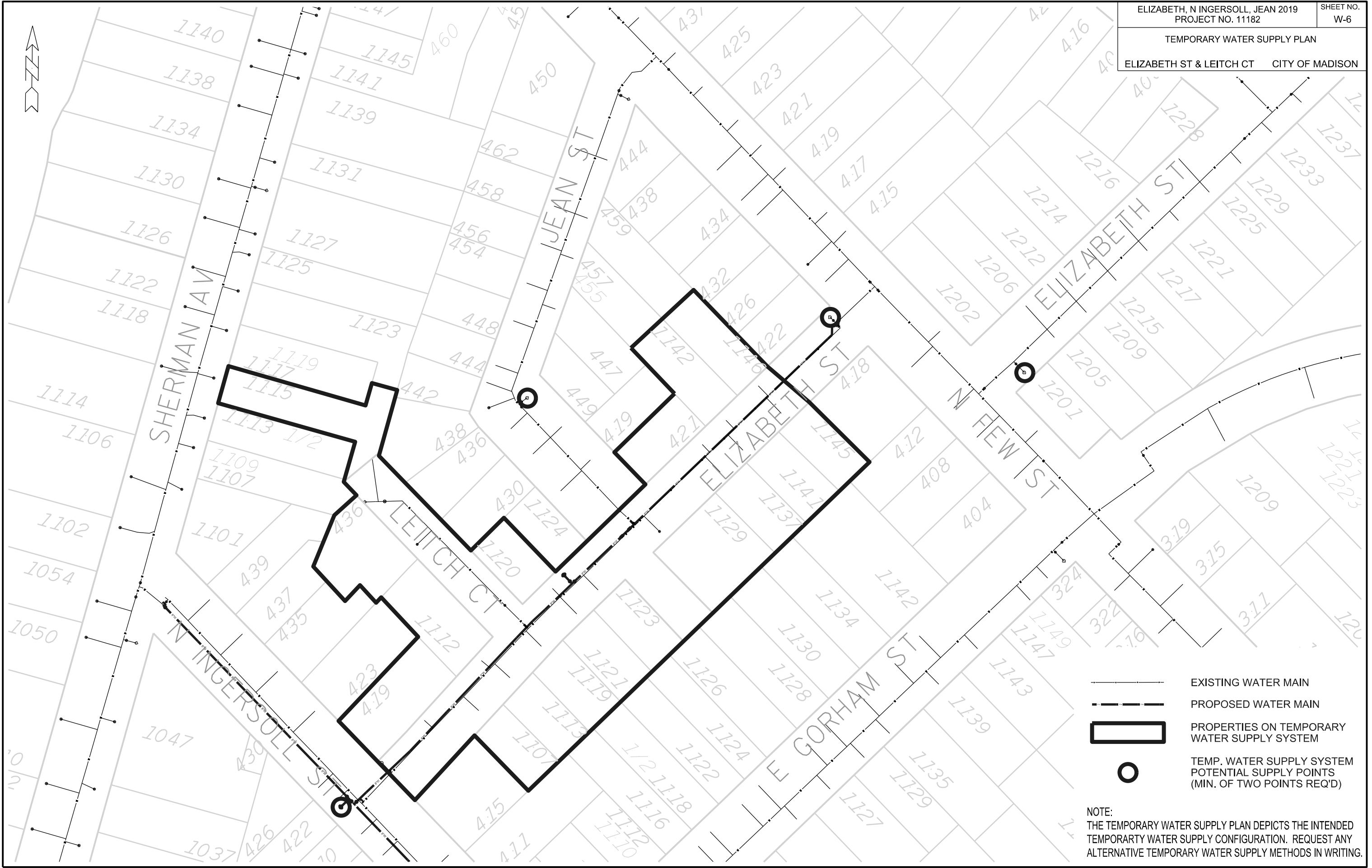
ISOLATION VALVES:





- V-38 (8" GORHAM AT INGERSOLL)
- V-39 (8" INGERSOLL AT GORHAM)
- V-40 (8" GORHAM AT INGERSOLL)
- V-42 (8" INGERSOLL AT GORHAM)
- NEW 8" (INGERSOLL AT GORHAM)

DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

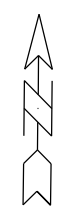
TEMPORARY WATER SUPPLY PLAN

ELIZABETH ST & LEITCH CT CITY OF MADISON



-  EXISTING WATER MAIN
-  PROPOSED WATER MAIN
-  PROPERTIES ON TEMPORARY WATER SUPPLY SYSTEM
-  TEMP. WATER SUPPLY SYSTEM POTENTIAL SUPPLY POINTS (MIN. OF TWO POINTS REQ'D)

NOTE:
THE TEMPORARY WATER SUPPLY PLAN DEPICTS THE INTENDED TEMPORARY WATER SUPPLY CONFIGURATION. REQUEST ANY ALTERNATIVE TEMPORARY WATER SUPPLY METHODS IN WRITING.



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN OVERVIEW

INGERSOLL/ELIZABETH CITY OF MADISON



LAKE
MENDOTA

--- EXISTING WATER MAIN
- - - PROPOSED WATER MAIN

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE
ONLY. IT SHALL BE THE CONTRACTOR'S
RESPONSIBILITY TO DETERMINE THE EXACT
HORIZONTAL AND VERTICAL LOCATION OF ALL
EXISTING UNDERGROUND AND OVERHEAD
UTILITIES PRIOR TO COMMENCING WORK.



CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

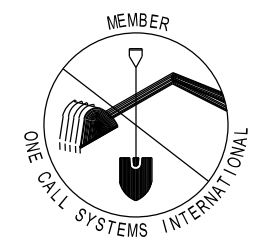
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- | | |
|-------------------------|------------------------------------|
| 30-FT - 6-IN PIPE | 2 - 4-IN MJ PLUG |
| 1140-FT - 8-IN PIPE | 1 - 4-IN MJ CAP |
| | 1 - 6-IN MJ PLUG |
| 1 - 6-IN VALVE & BOX | 2 - 5-IN HYDRANT |
| 7 - 8-IN VALVE & BOX | |
| 3 - 8-IN X 6-IN TEE | 176-FT - 2-IN STYROFOAM INSULATION |
| 2 - 8-IN X 8-IN TEE | 1345-FT - POLY WRAP |
| 4 - 8-IN 45° BEND | 1-IN TO 2-IN COPPER (AS REQ'D) |
| 2 - 8-IN X 18-IN OFFSET | |

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



MATERIALS SUPPLIED BY CITY:

** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

NONE

ESTIMATE OF MATERIALS REUSED:

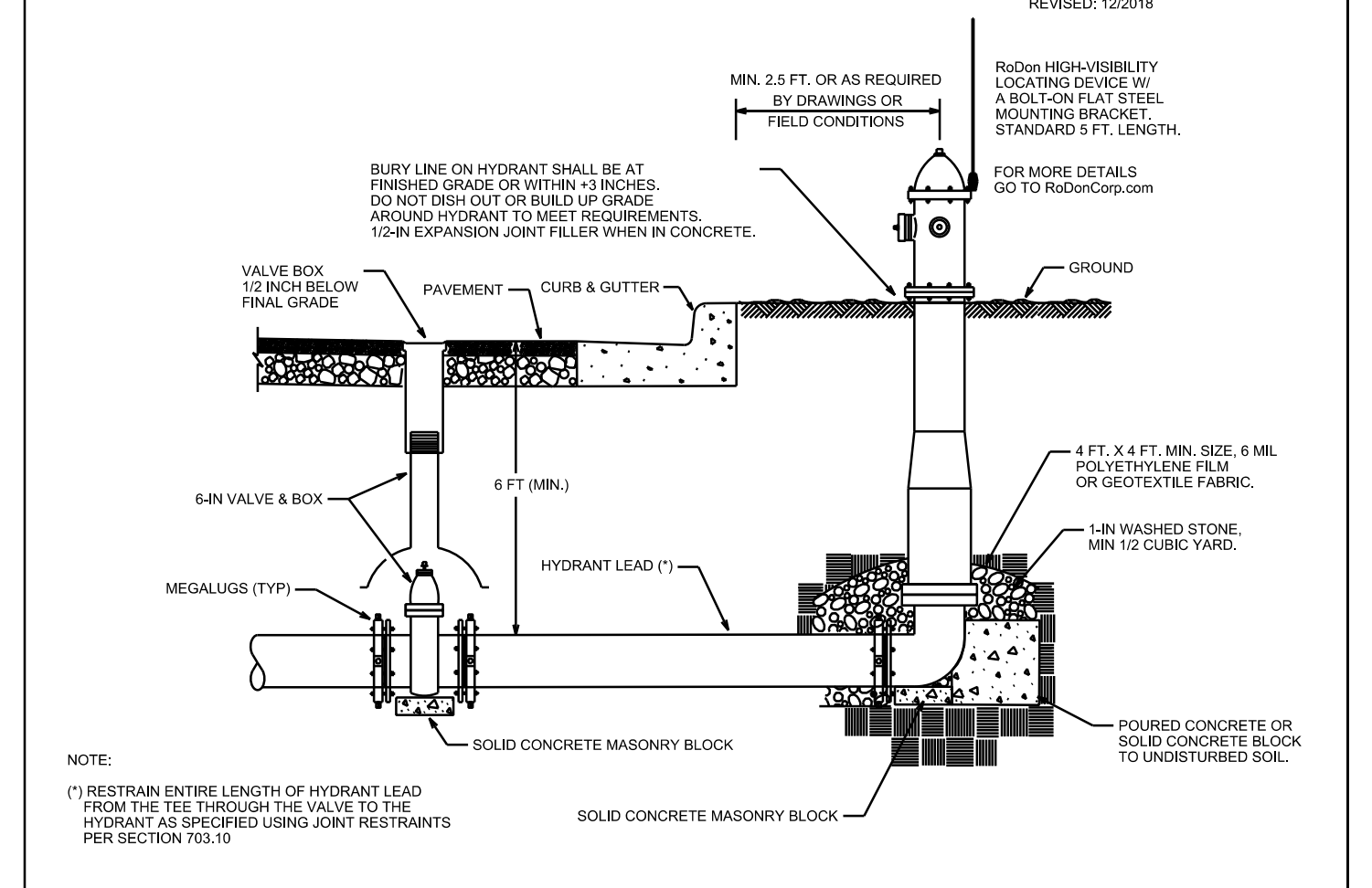
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

NONE

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PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 12/2018

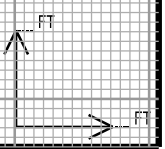
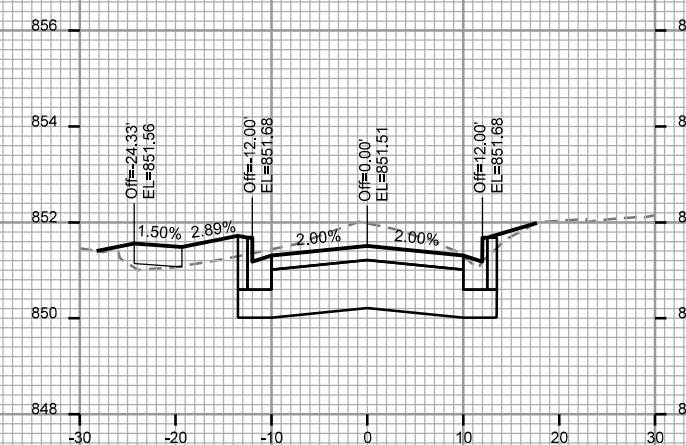
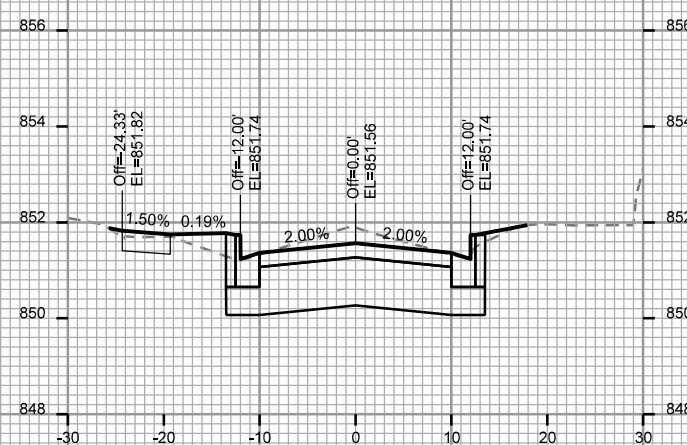
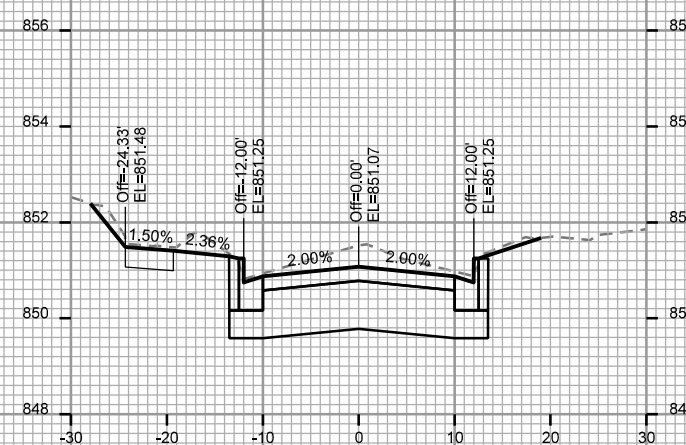
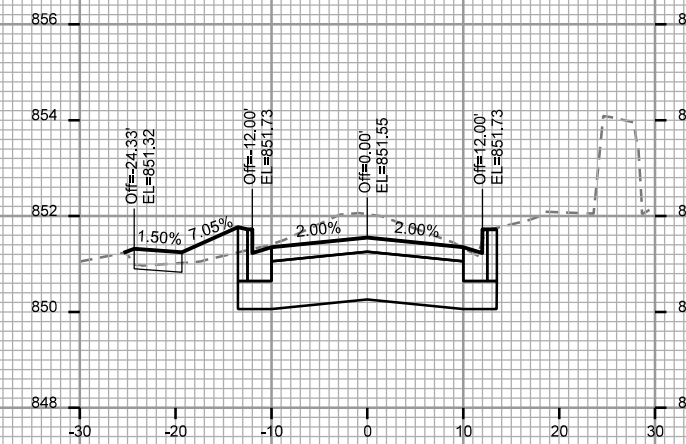
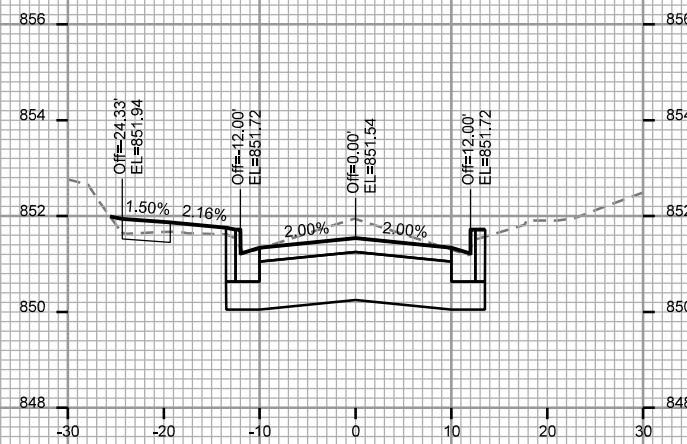
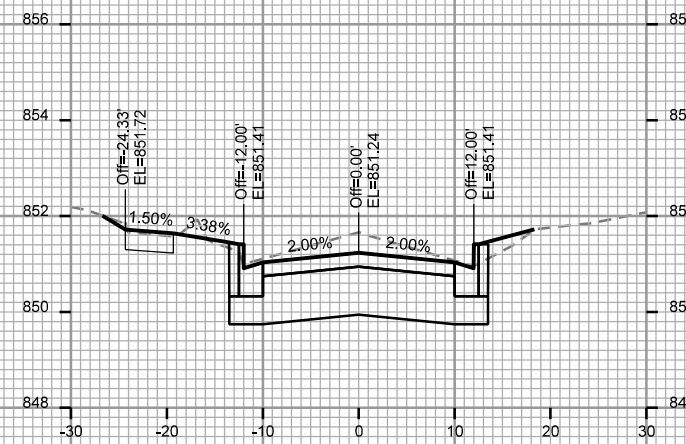
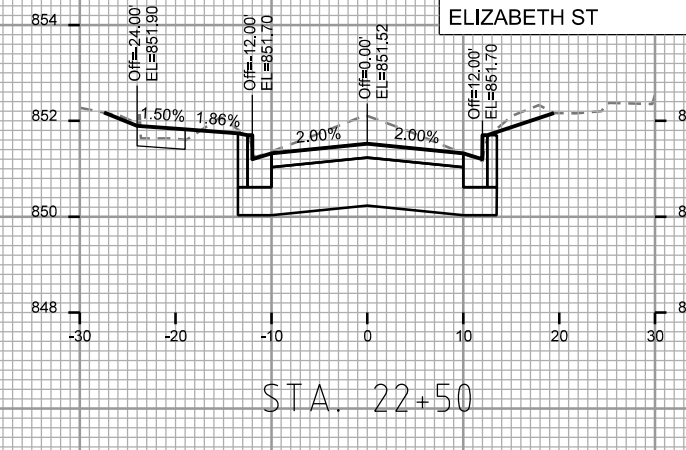
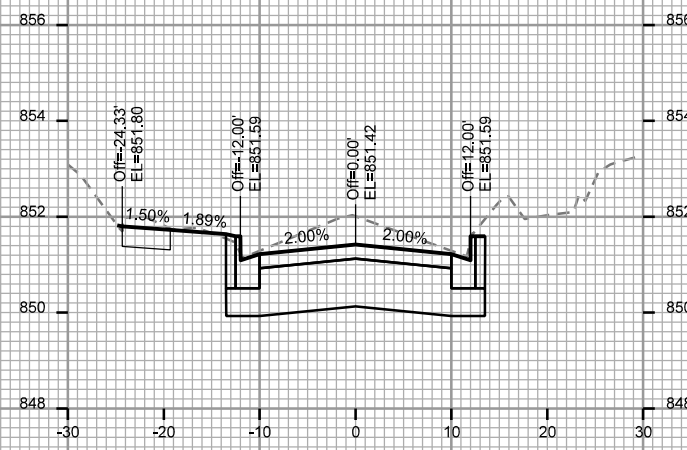
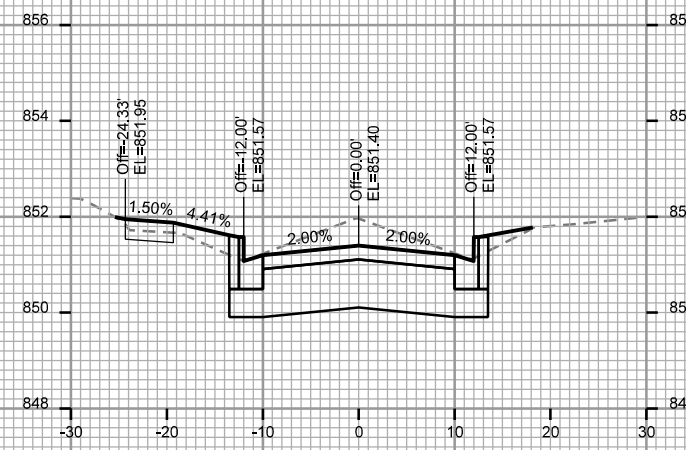


PLOT SCALE: _____ PLOT NAME: _____ REV. DATE: _____ ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

ELIZABETH ST

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

ELIZABETH ST

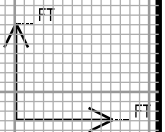
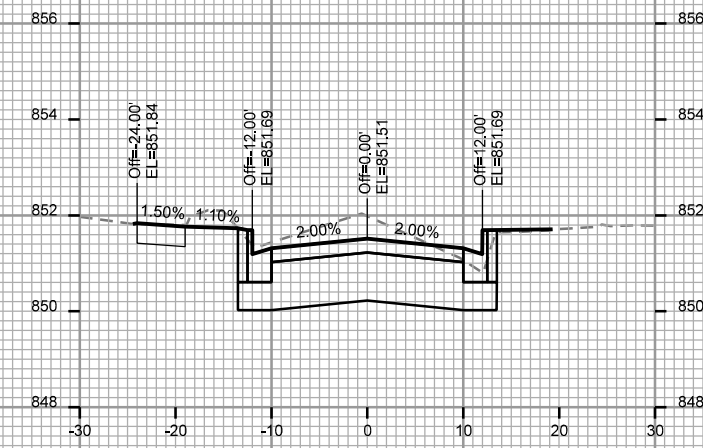
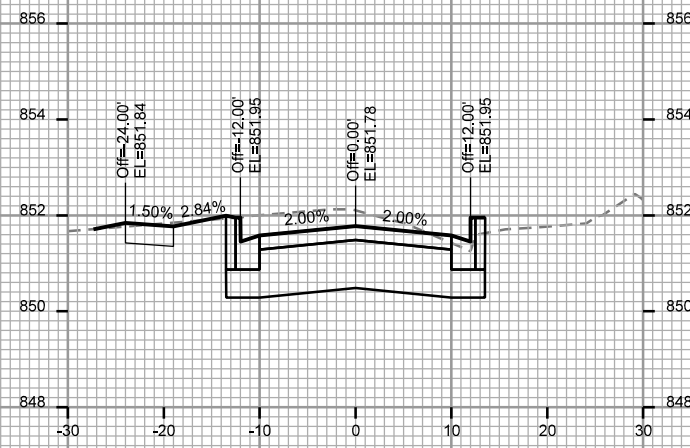
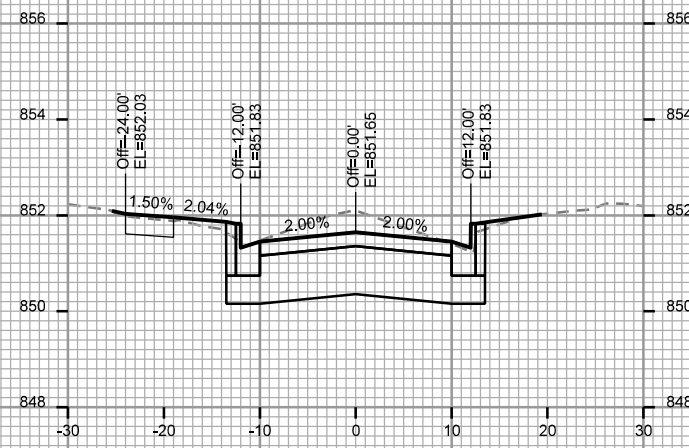
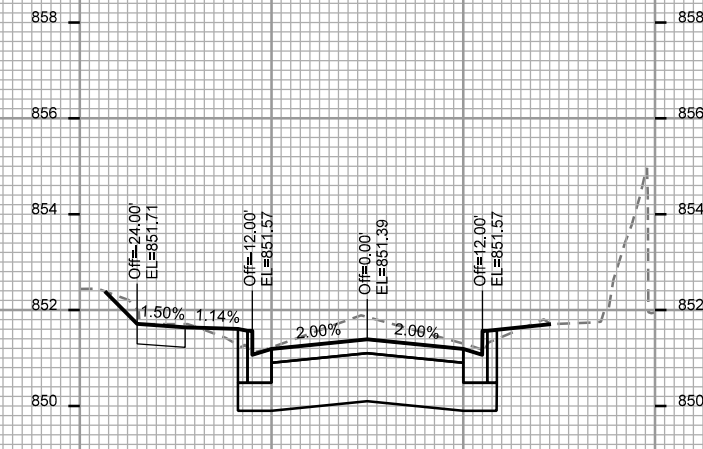
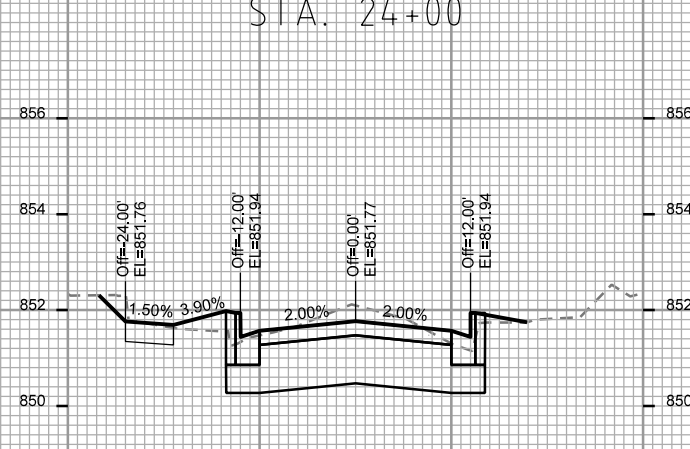
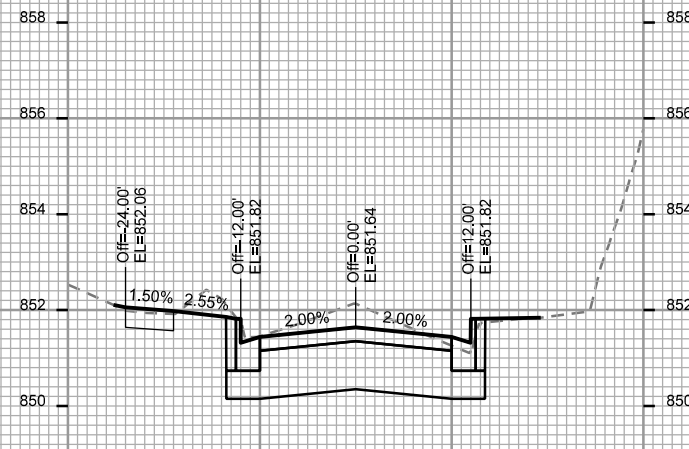
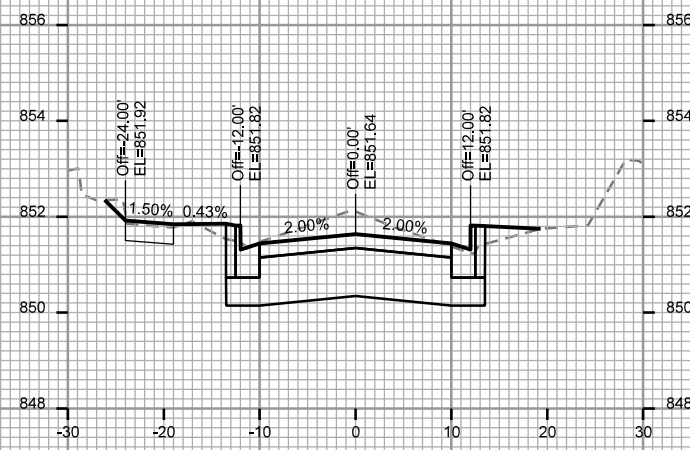
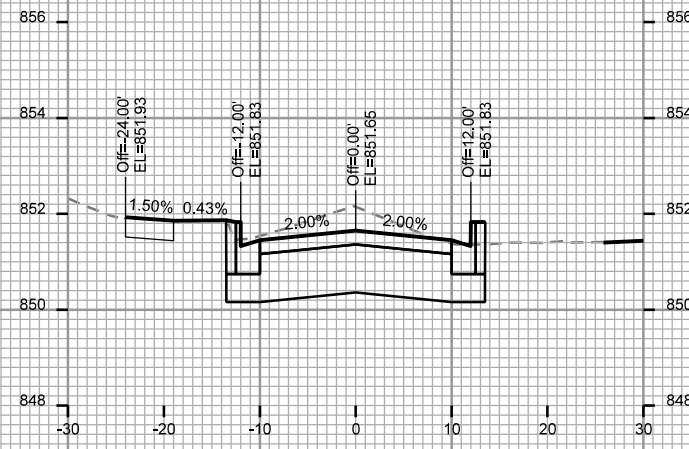
CITY OF MADISON

PLOT SCALE: _____

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CROSS SECTIONS

ELIZABETH ST

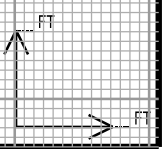
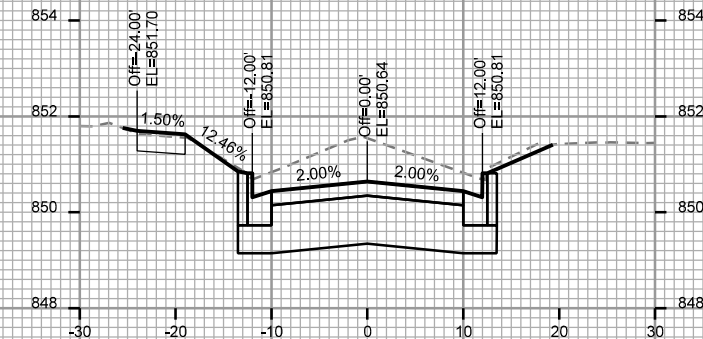
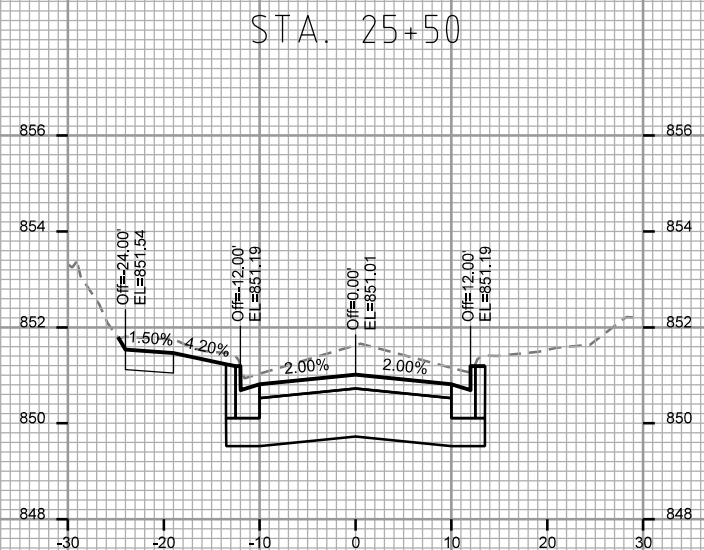
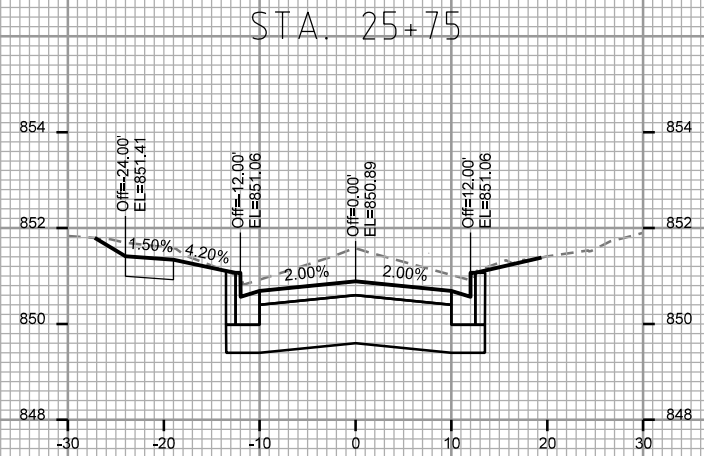
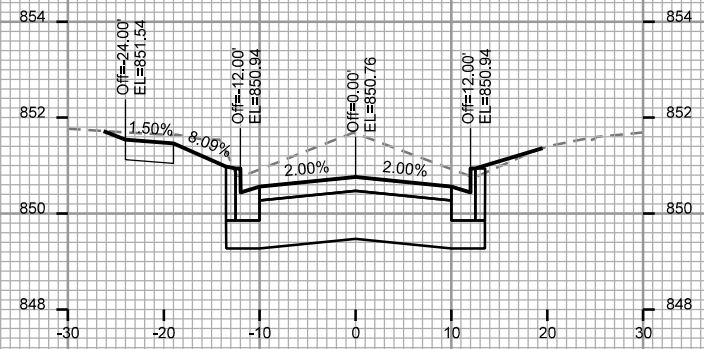
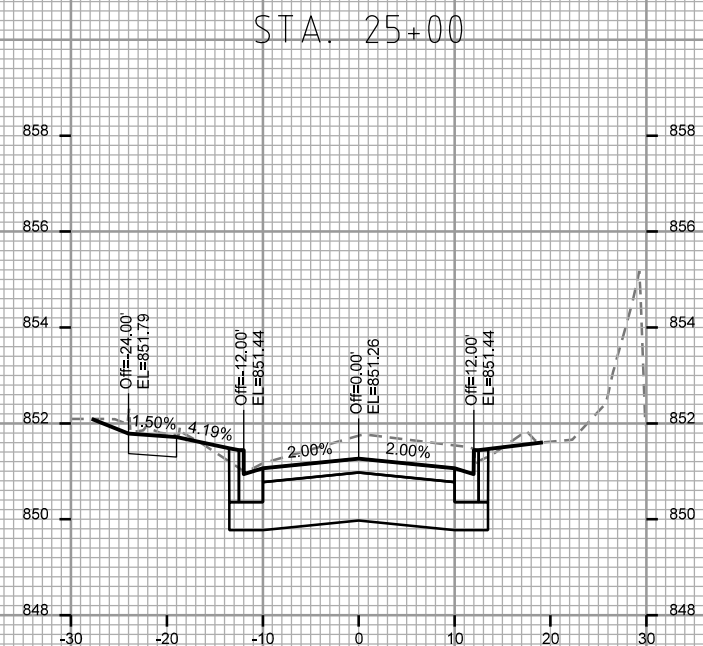
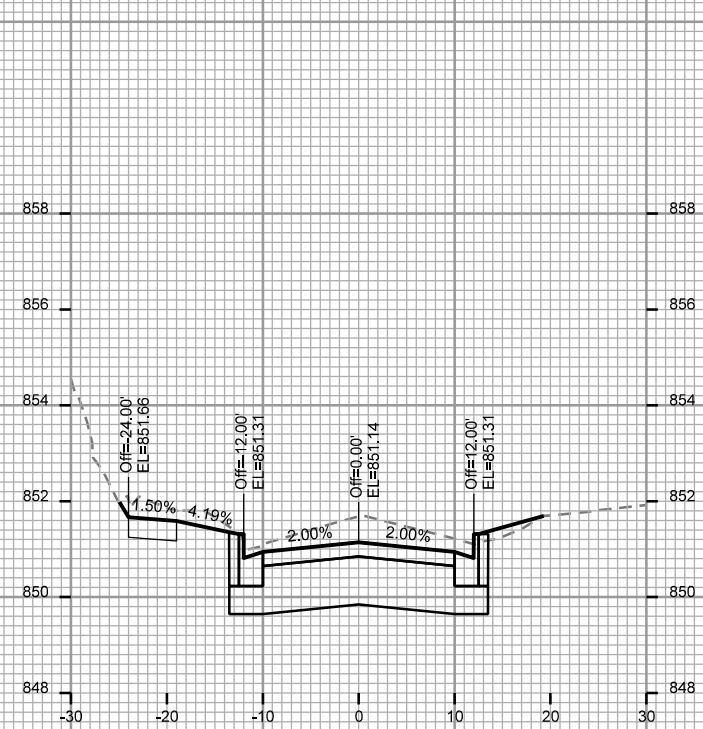
CITY OF MADISON

PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



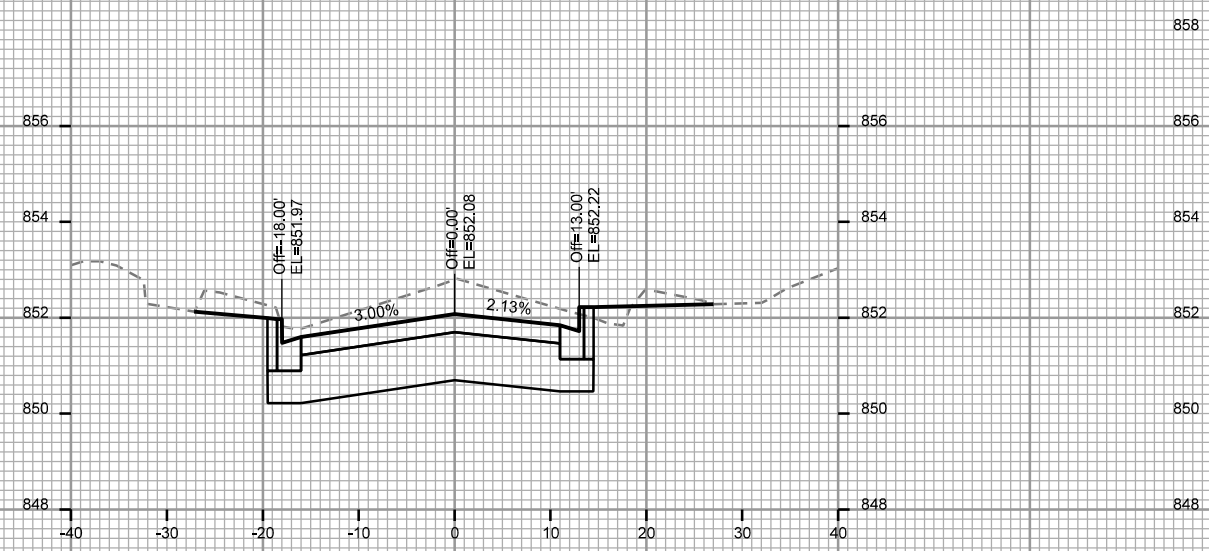
CROSS SECTIONS
N INGERSOLL ST CITY OF MADISON

PLOT SCALE: _____

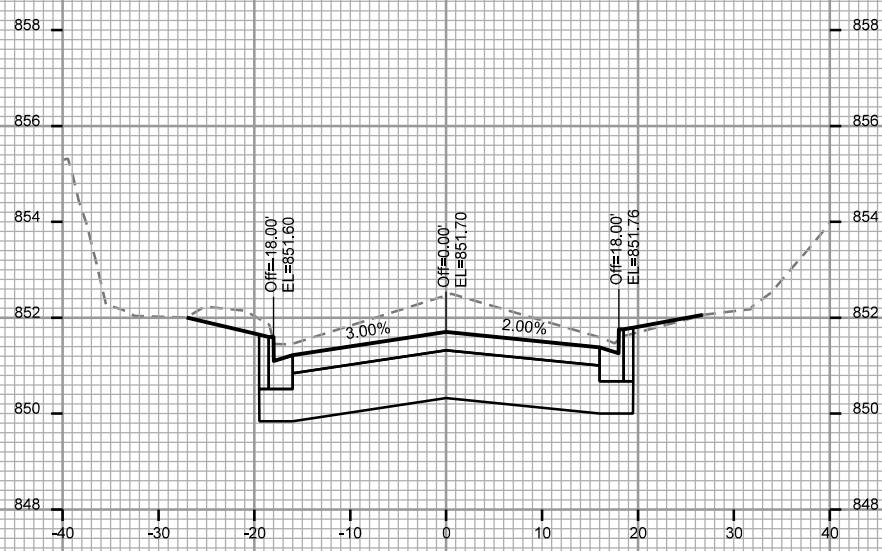
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REV. DATE: _____

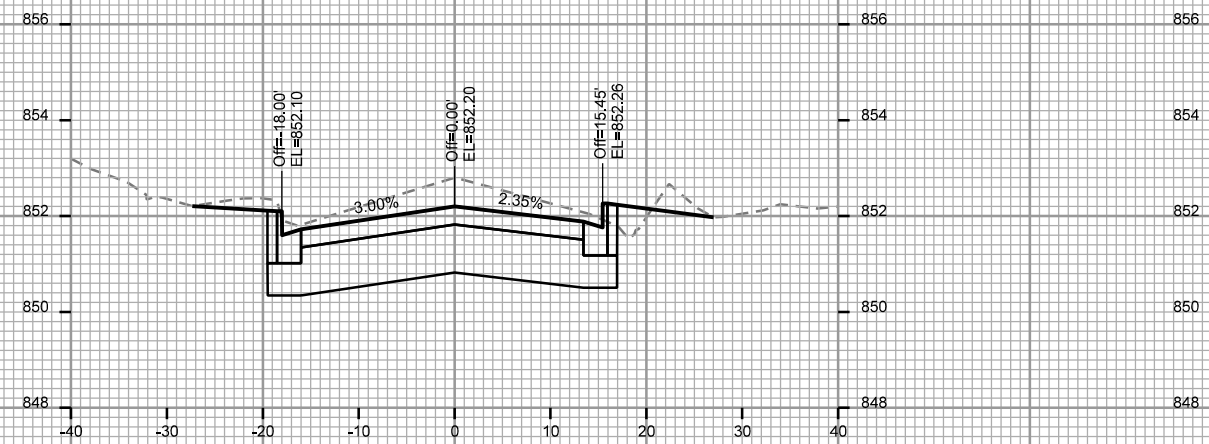
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



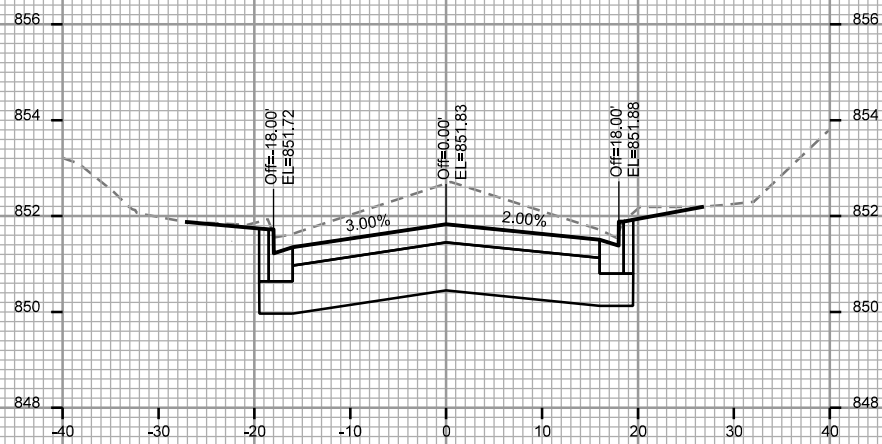
STA. 11+25



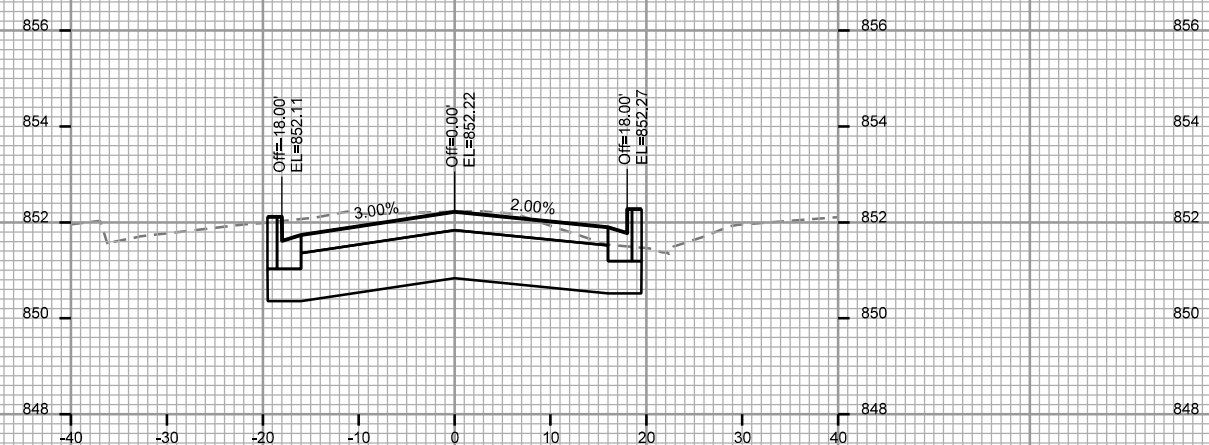
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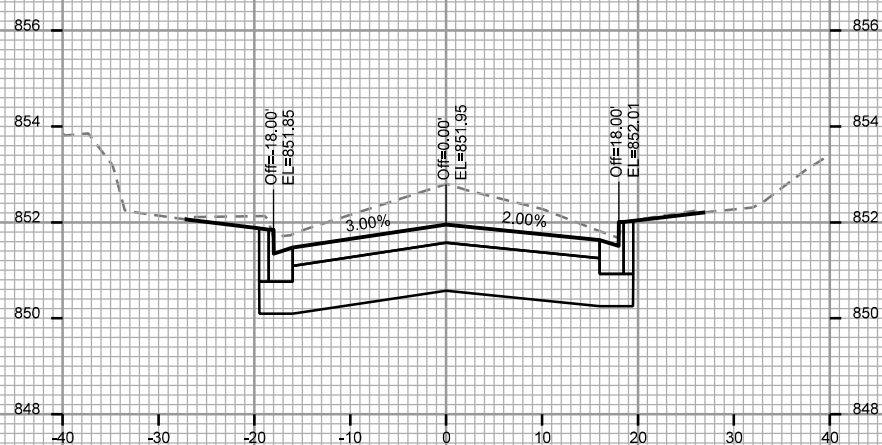
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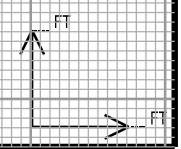
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STA. 10+75



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CROSS SECTIONS

N INGERSOLL ST

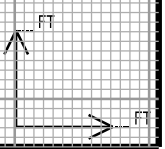
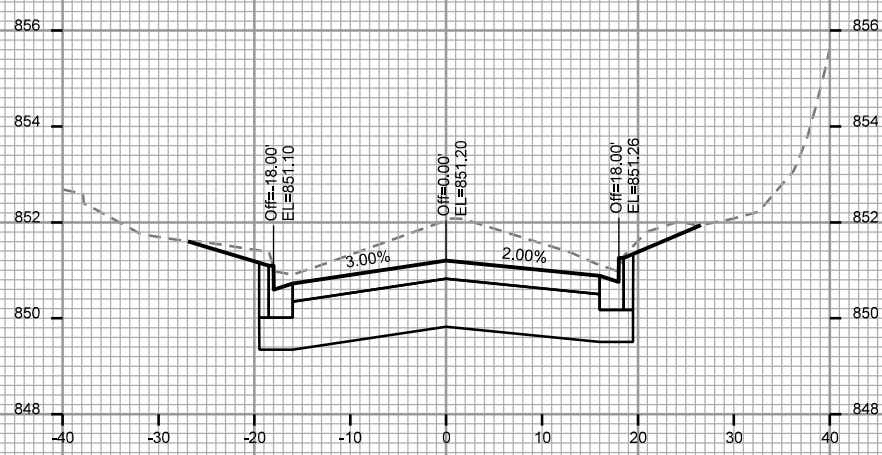
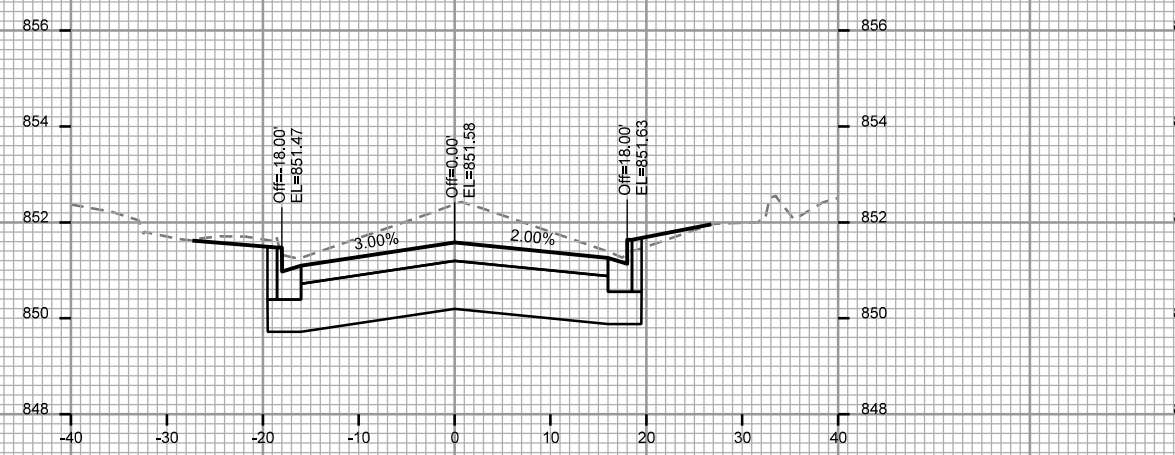
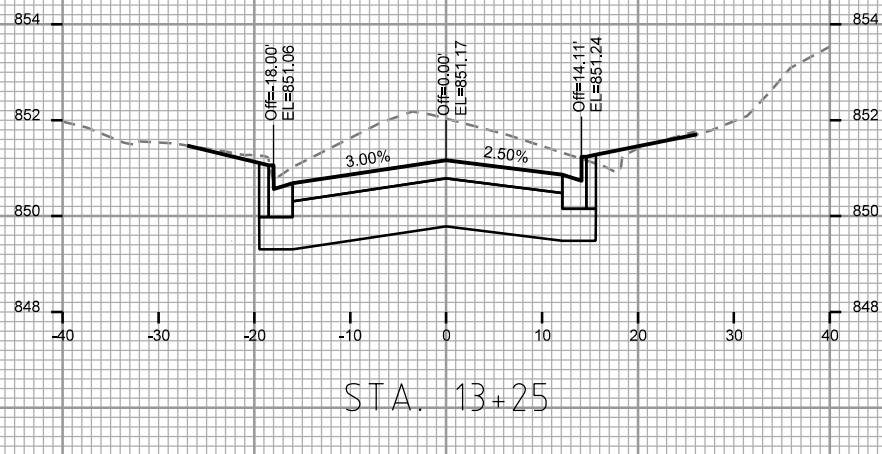
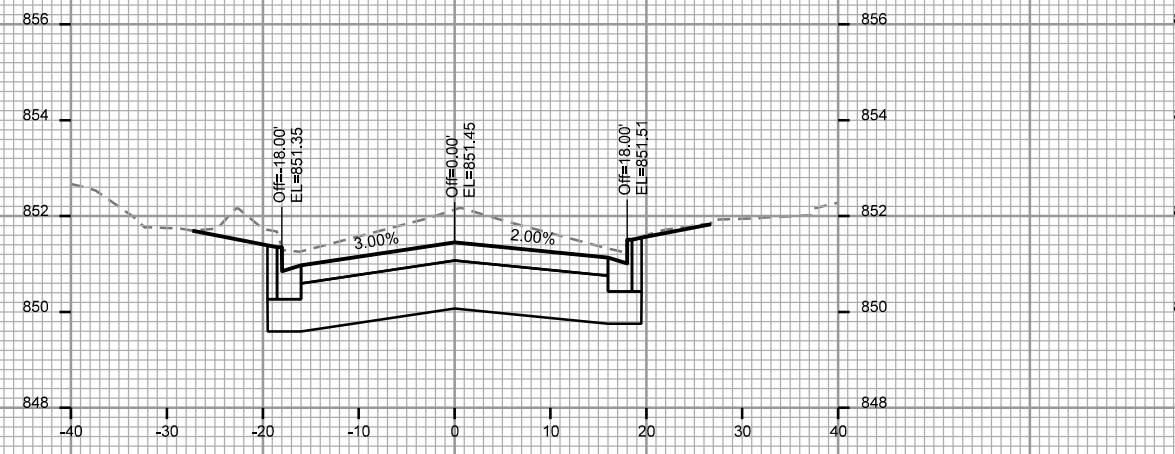
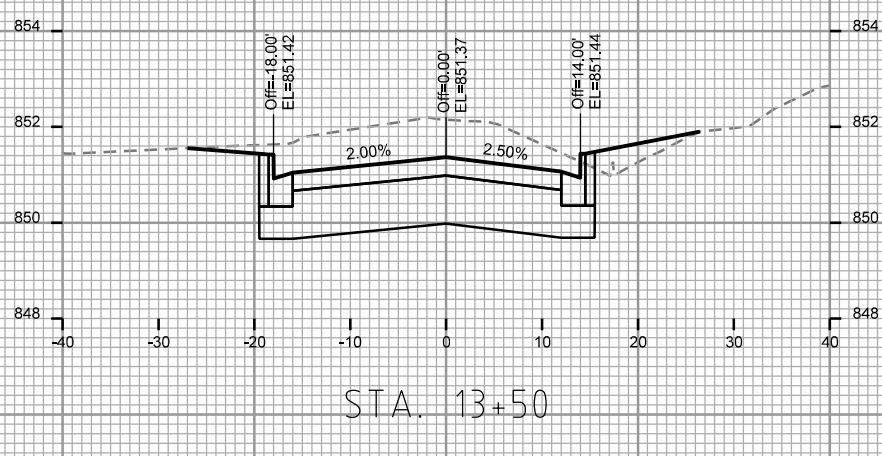
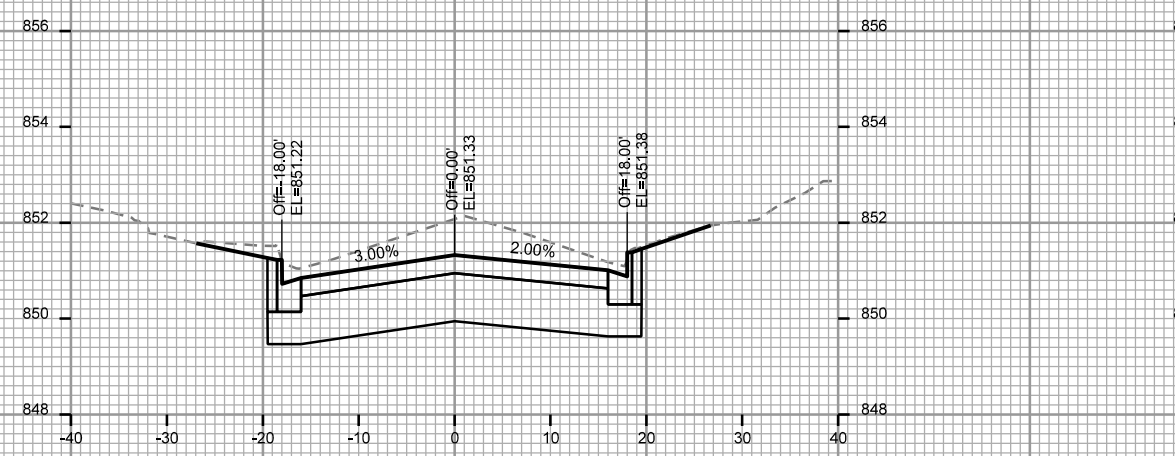
CITY OF MADISON

PLOT SCALE: _____

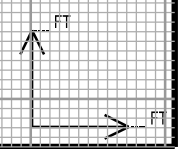
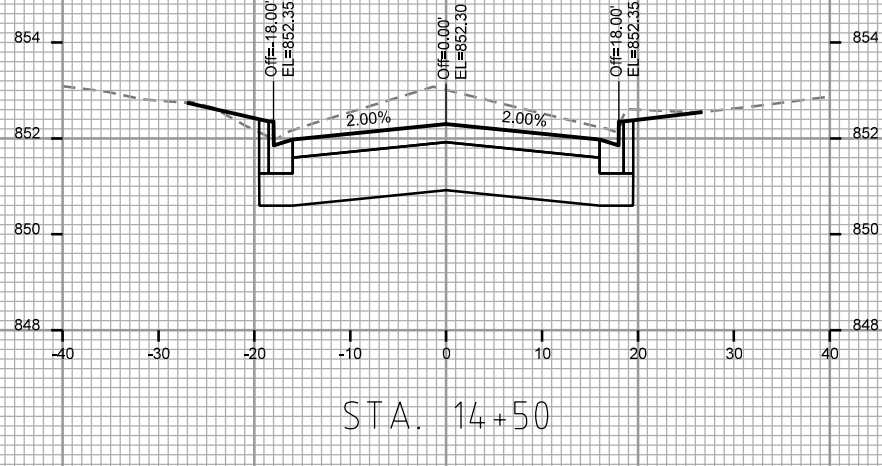
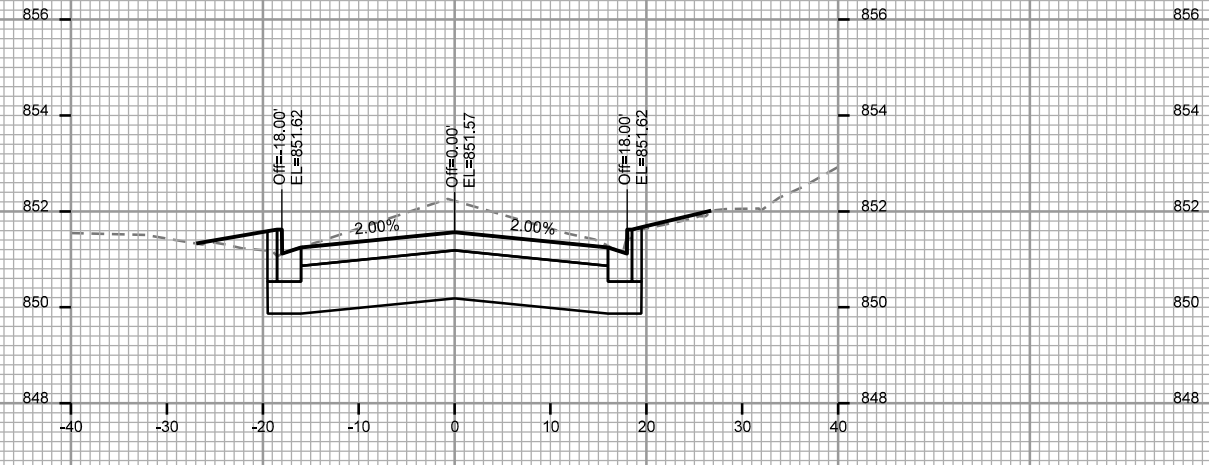
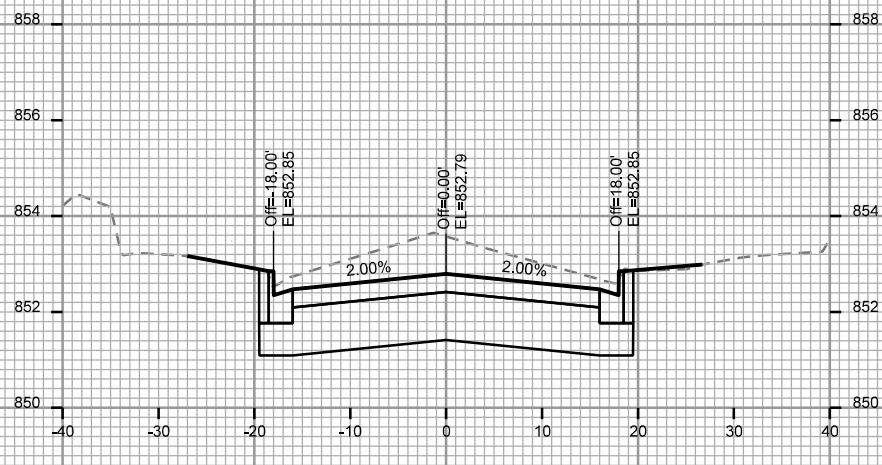
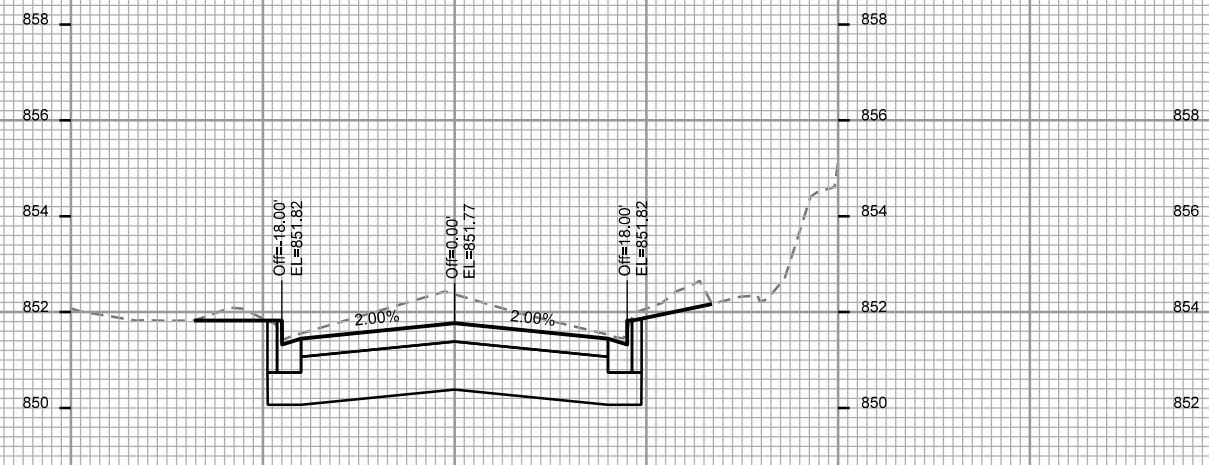
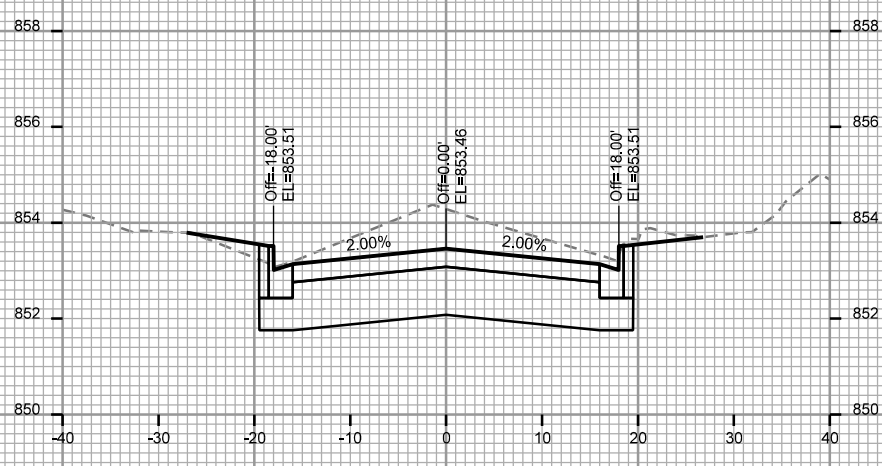
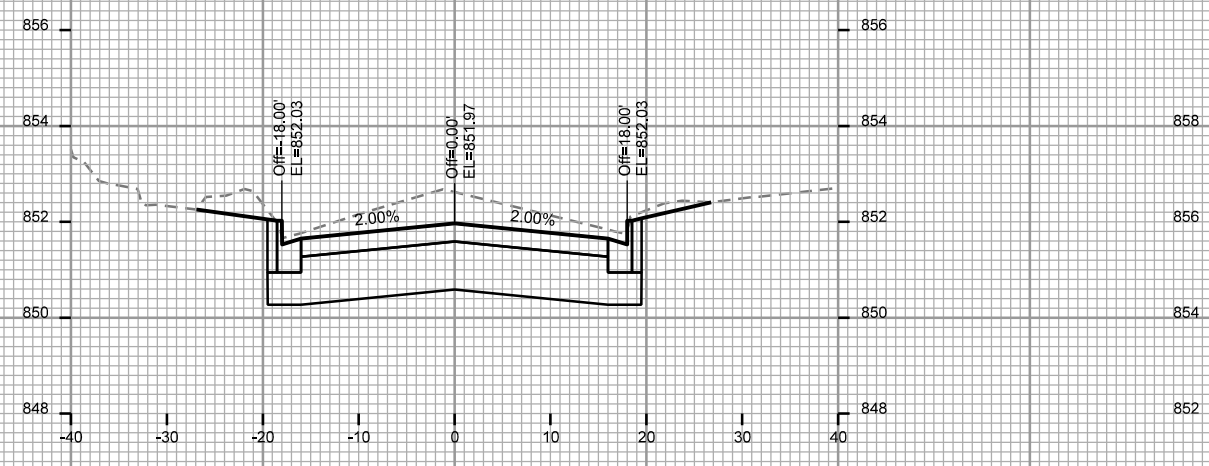
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS
N INGERSOLL ST CITY OF MADISON



PLOT SCALE: _____

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CROSS SECTIONS

N INGERSOLL ST

CITY OF MADISON

PLOT SCALE: _____

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