

Madison, Wisconsin

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CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

KOSTER STREET & NORTH RUSK AVENUE

ASSESSMENT DISTRICT - 2019

CITY PROJECT NO. 11676
CONTRACT NO. 8110

PUBLIC IMPROVEMENT PROJECT APPROVED

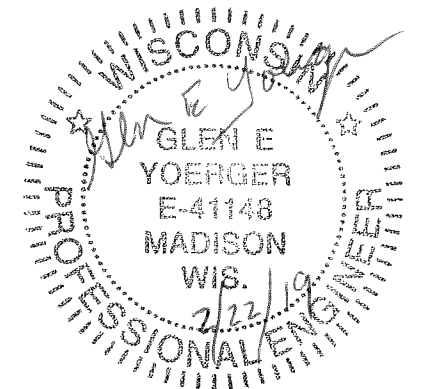
JANUARY 8, 2019

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 3/1/19
City Engineer Date

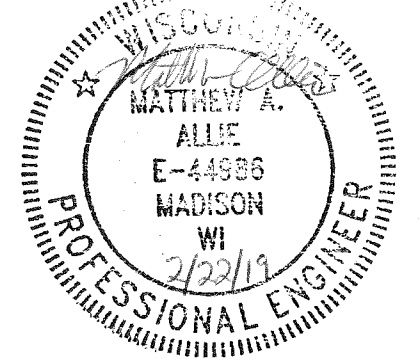
STREET DESIGNED BY:



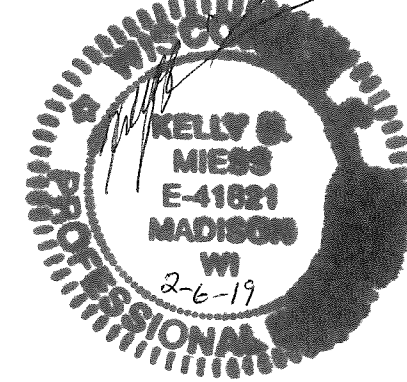
TRAFFIC CONTROL & PAVEMENT MARKINGS DESIGNED BY:



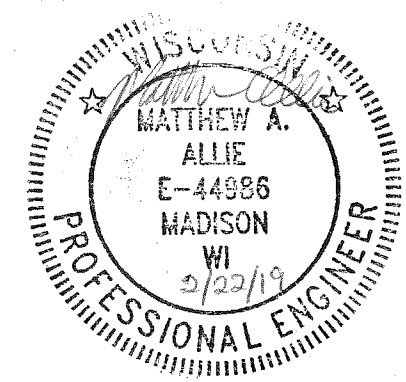
STORM SEWER DESIGNED BY:



WATER MAIN DESIGNED BY:



SANITARY SEWER DESIGNED BY:



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
BURIED ELECTRIC	E
OVERHEAD ELECTRIC	OH
POWER POLE	[Symbol]
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	[Symbol]
COMBUSTIBLE FLUIDS	[Symbol]

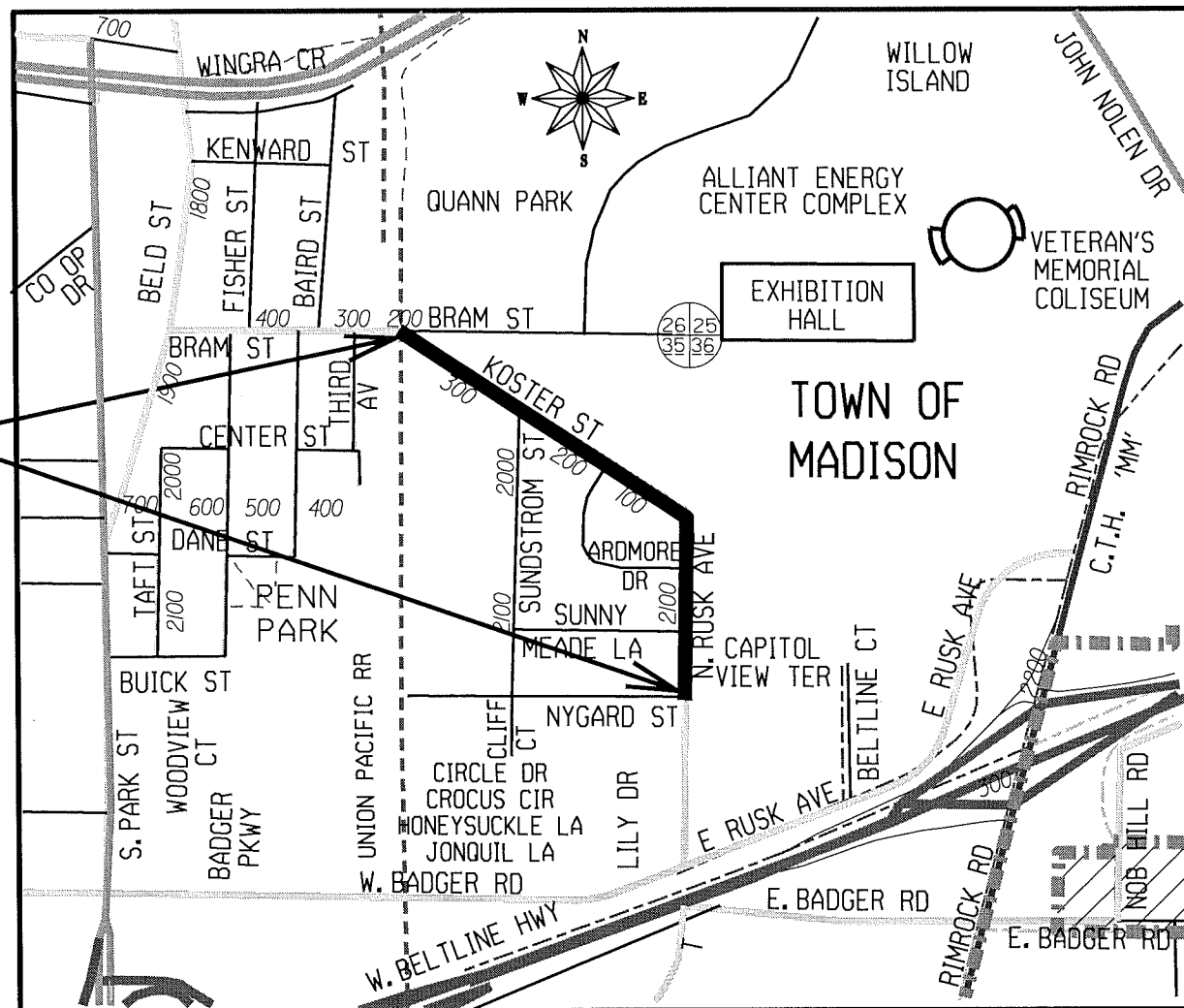
CONSTRUCTION PROJECT LOCATION

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 1.5%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY)	
KOSTER ST & N RUSK AVE	6056 C.Y.
GRADING FOR SWALE IN LYCKBERG PARK	70 C.Y.
ADDITIONAL TOPSOIL STRIPPING	290 C.Y.
TOTAL (PLAN QTY):	6416 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	= 750 CY
TOTAL UNCLASSIFIED EXCAVATION CUT	7166 C.Y.

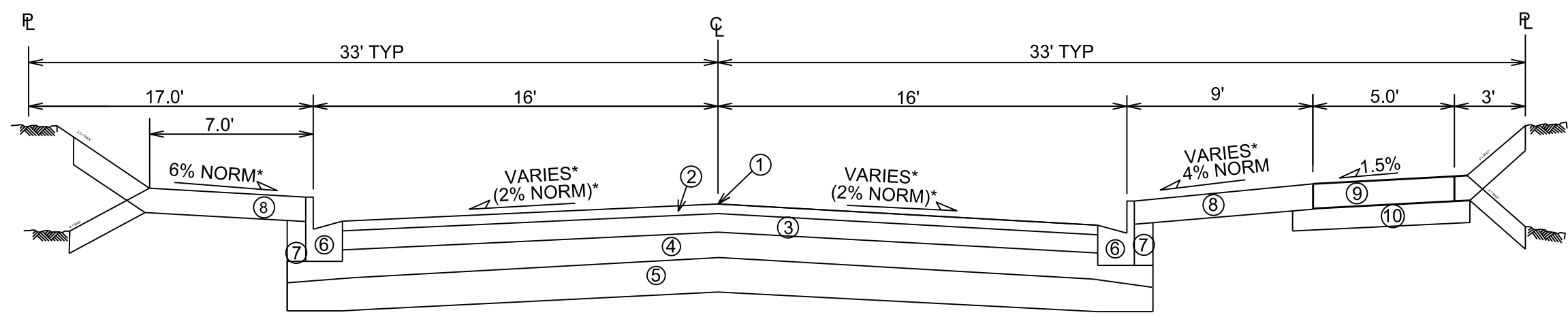


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



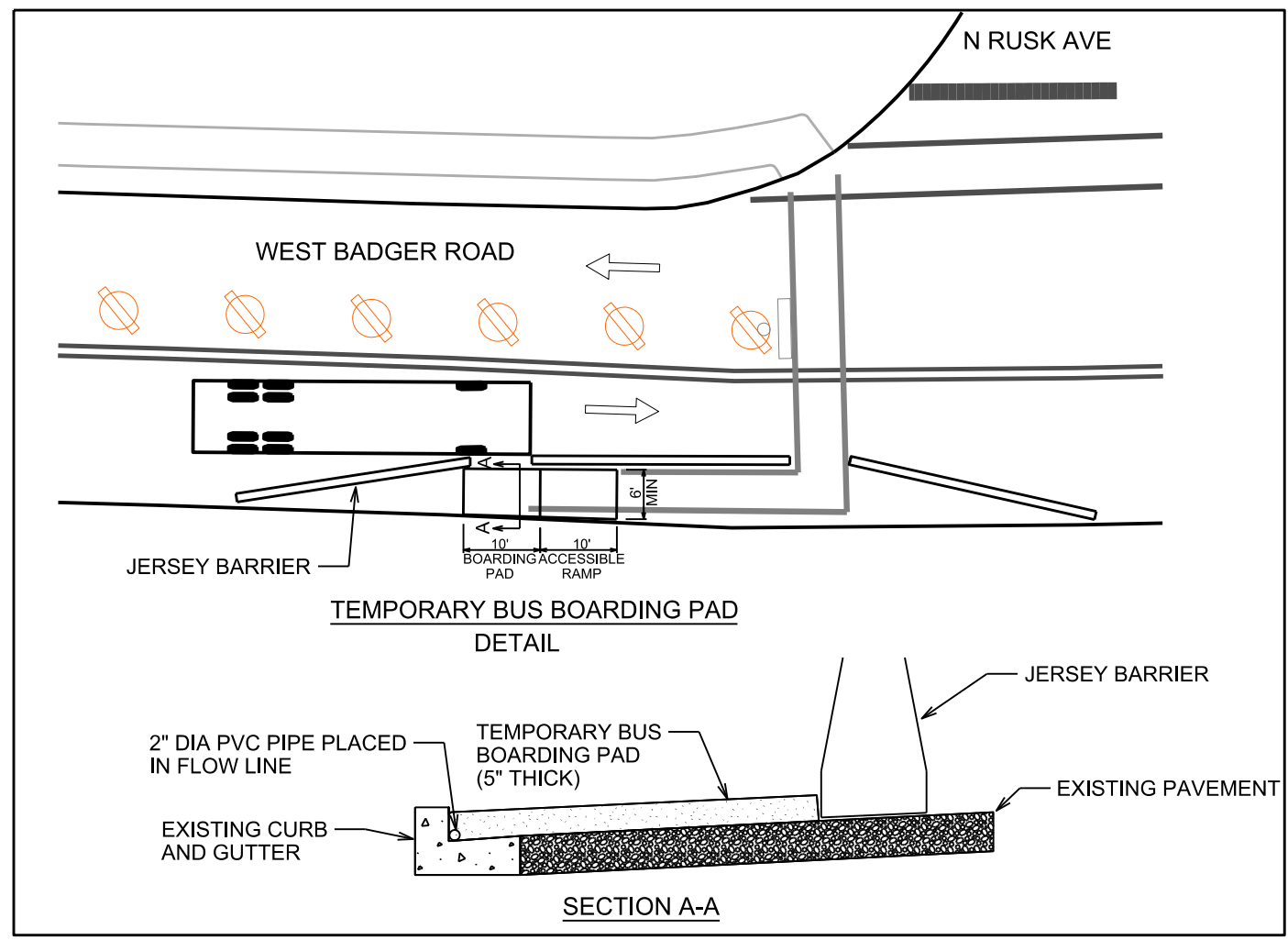
TYPICAL FINISHED SECTION
KOSTER STREET & NORTH RUSK AVENUE
STA 11+00 to STA 34+25

LEGEND

- ① POINT REFERRED TO ON PROFILE
- ② 2.0" HMA PAVEMENT - TYPE 4 MT 58-28 S (UPPER LAYER)
- ③ 2.5" HMA PAVEMENT - TYPE 3 MT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ CONCRETE CURB AND GUTTER, TYPE 'A' OR 'X'
- ⑦ FILL, INCIDENTAL TO CURB & GUTTER
- ⑧ 6" TOPSOIL, SEED AND MATTING
- ⑨ 5-INCH CONCRETE SIDEWALK
- ⑩ 2" MINIMUM GRANULAR FILL (INCIDENTAL TO WALK)
(3" MIN WHERE STREET GRADE EXCEEDS 5%)

* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.

TYPICAL SECTIONS NOT TO SCALE



PLOT SCALE: _____

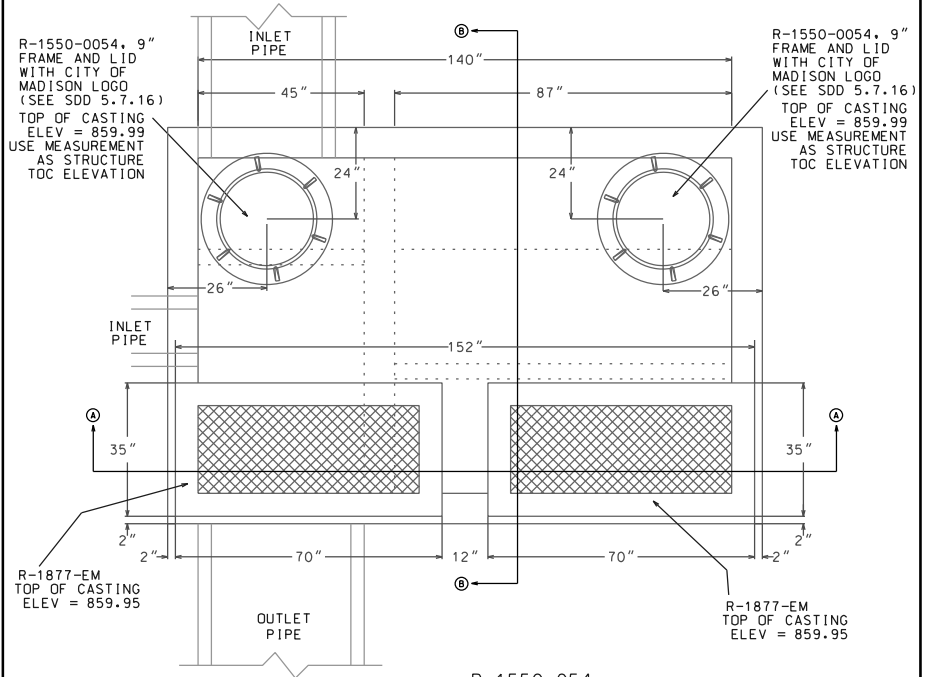
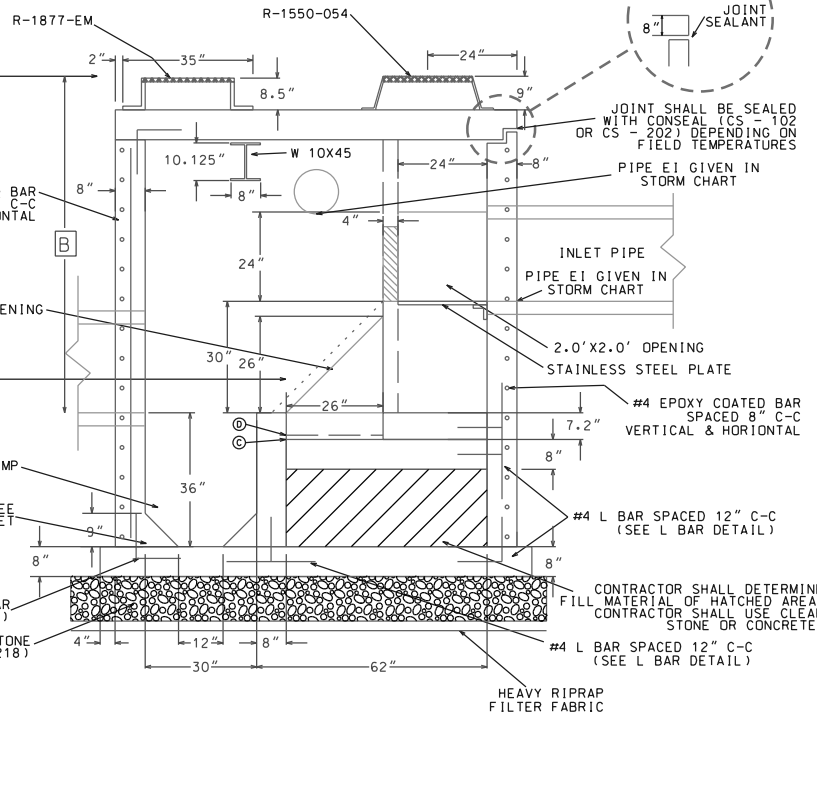
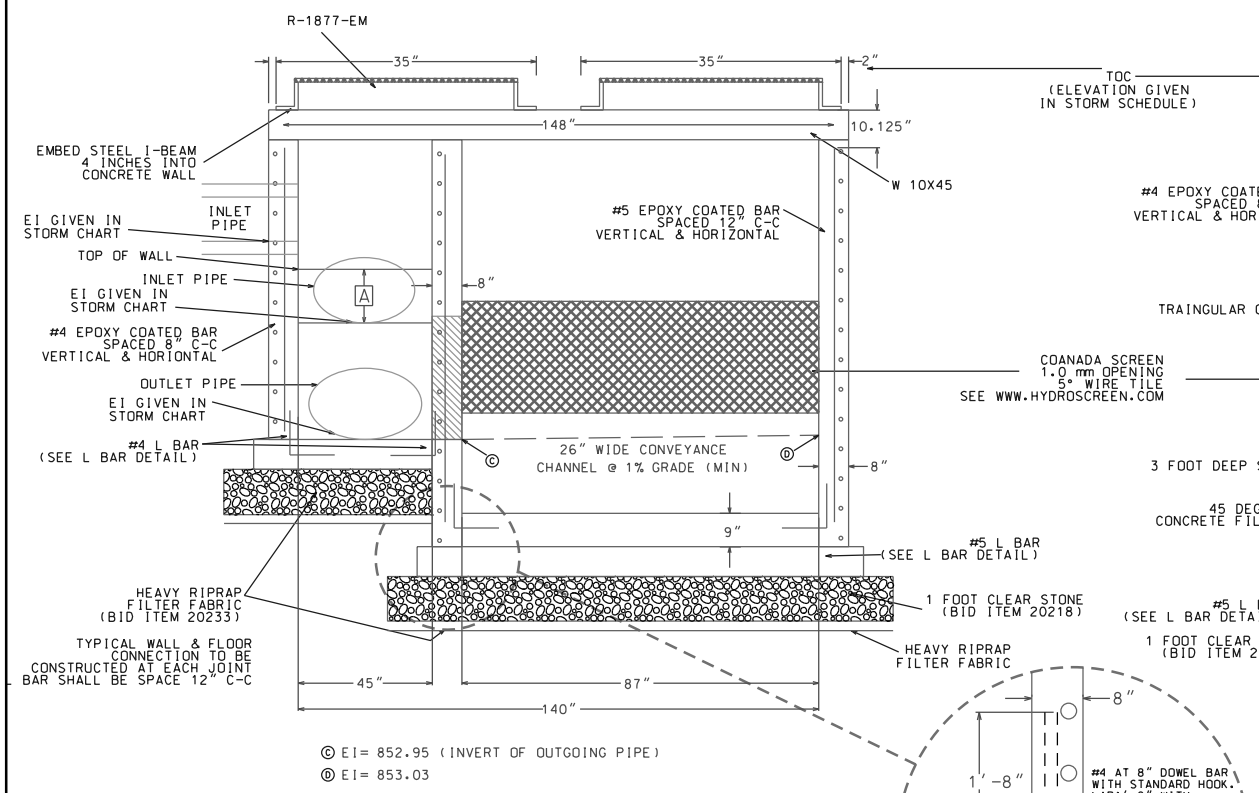
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SECTION A-A

SECTION B-B

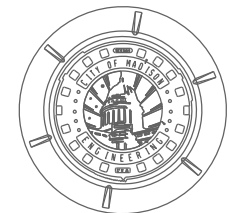
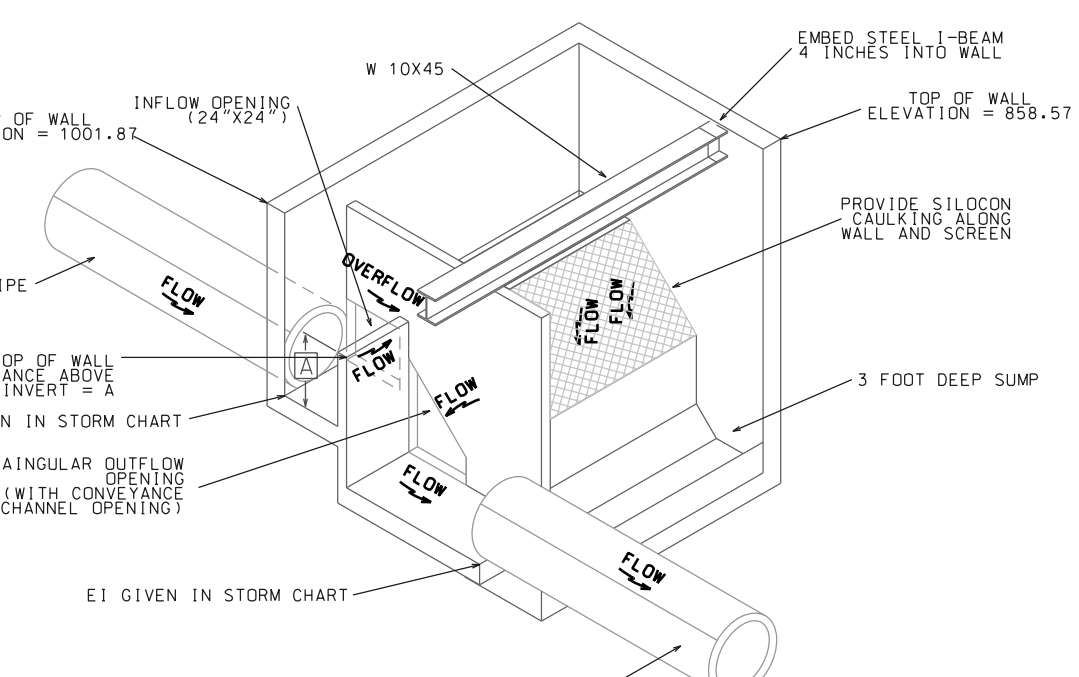
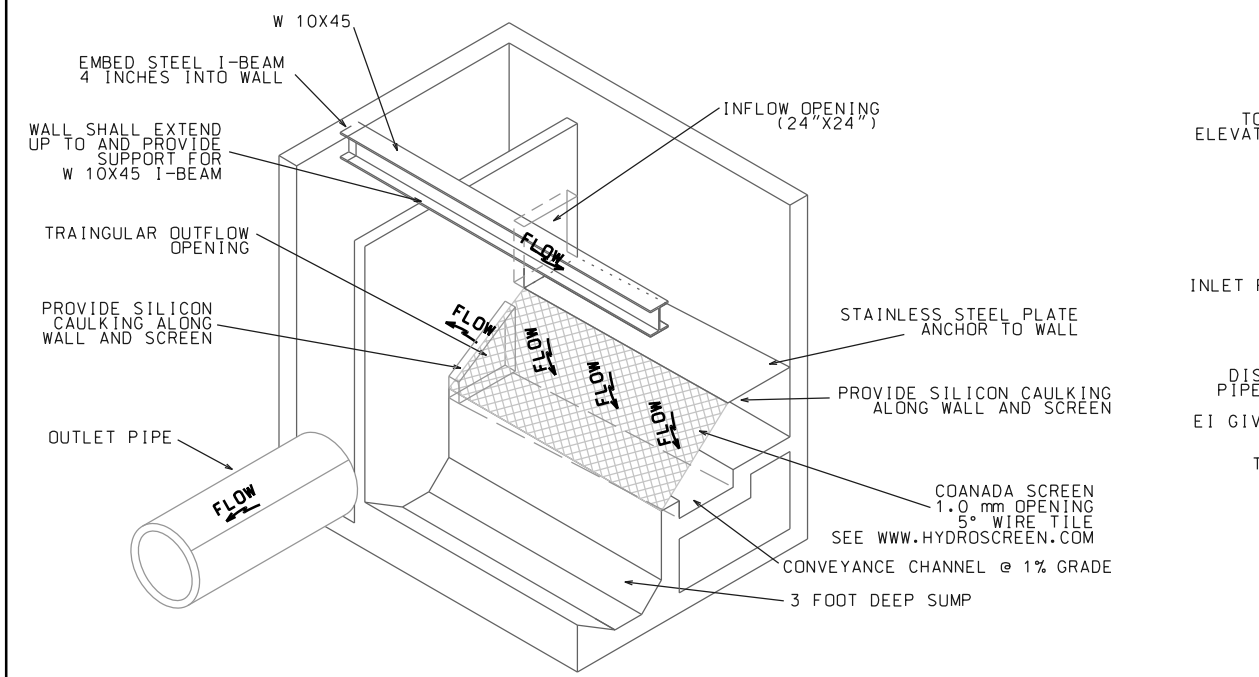


© EI = 852.95 (INVERT OF OUTGOING PIPE)
 © EI = 853.03

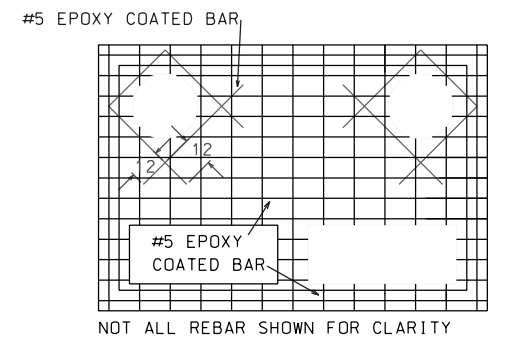
PIPE SIZE	DIMENSION A	DIMENSION B
22"x34" HE	18"	84" (MIN) 84.48" AS DESIGNED

NE ISOMETRIC VIEW
 (SIDEWALLS & ROOF NOT SHOWN)

NW ISOMETRIC VIEW
 (SIDEWALLS & ROOF NOT SHOWN)



ROOF REINFORCEMENT



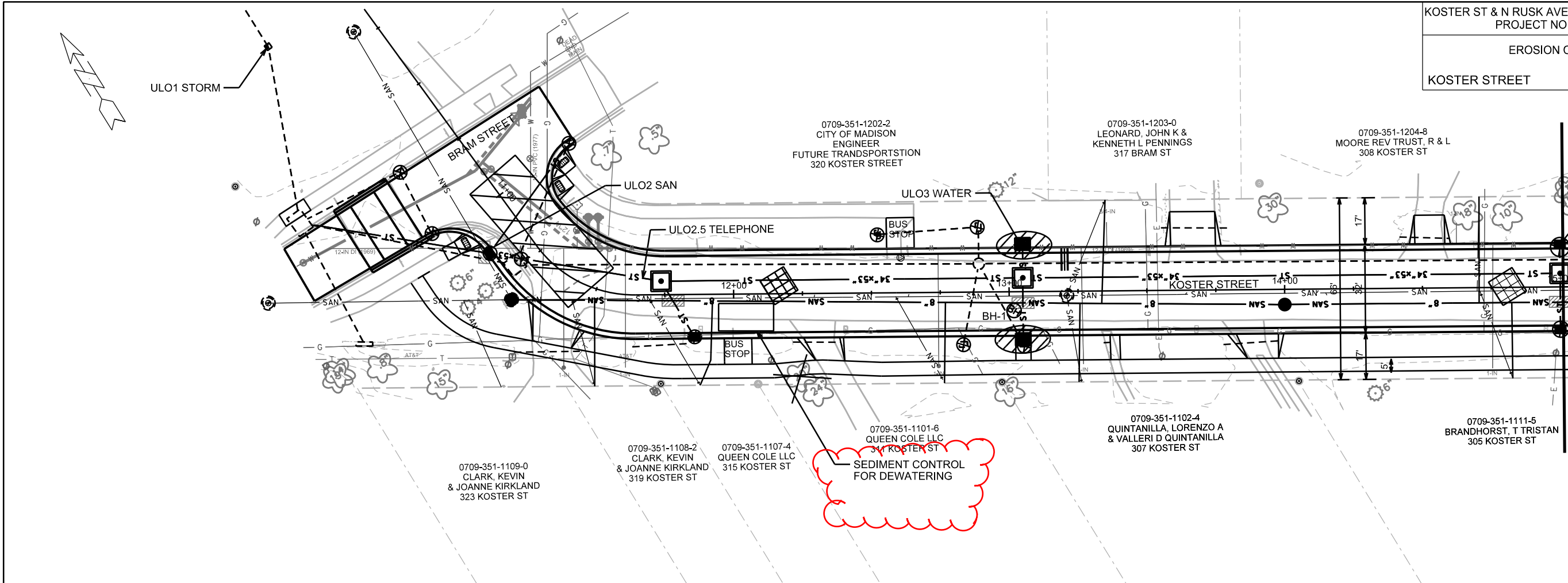
- REBAR REINFORCEMENT NOTES:
1. EPOXY COATED REBARS SHALL BE USED IN ALL CASES
 2. #5 REBARS PLACED 9" ON CENTER EACH WAY WITH 2" CLEAR FROM BOTTOM OF SLAB
 3. ROOF THICKNESS SHALL BE 8" MINIMUM
 4. ALL WALLS ARE 8" THICK
 5. WALL REINFORCEMENT #4 AT 8" ON CENTER EACH WAY
 6. FLOOR REINFORCEMENT #4 AT 12" ON CENTER EACH WAY

PLOT SCALE: _____

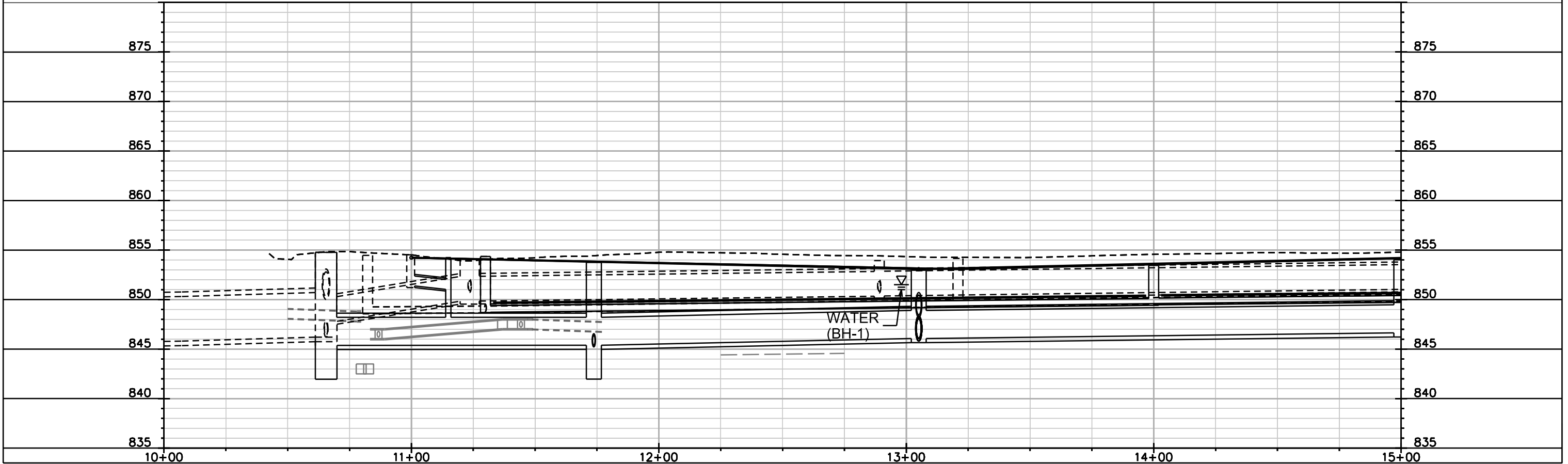
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 7/10/2019



- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT SOCK (VELOCITY CHECK)
- STREET CONSTRUCTION STONE BERM



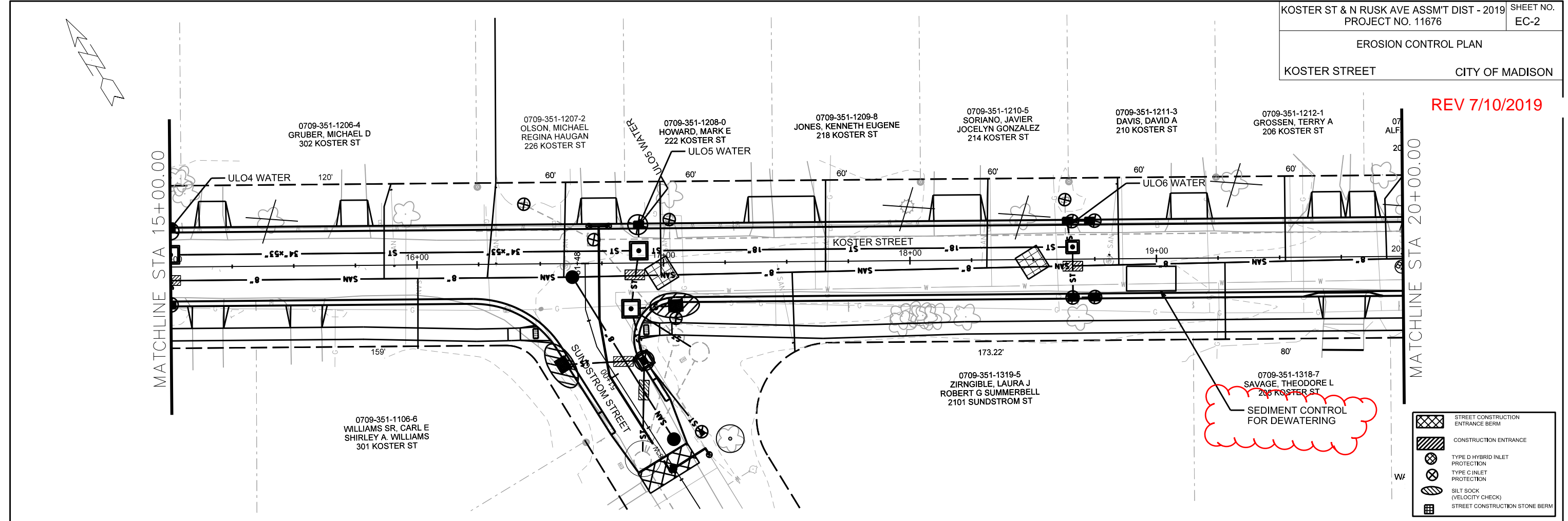
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PLOT NAME: _____

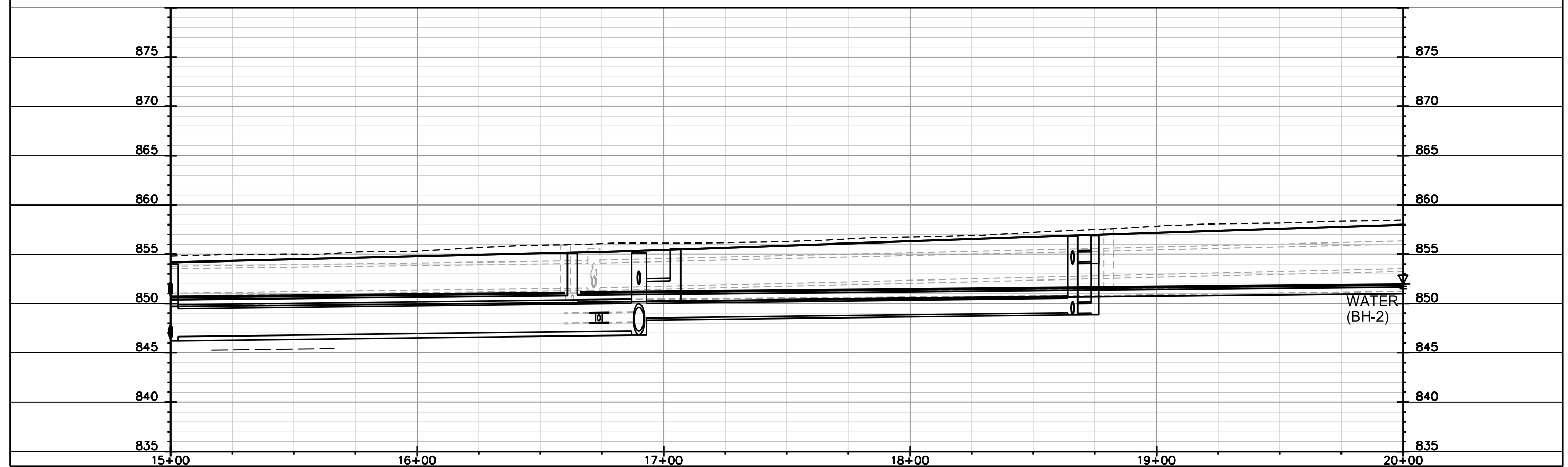
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REV 7/10/2019

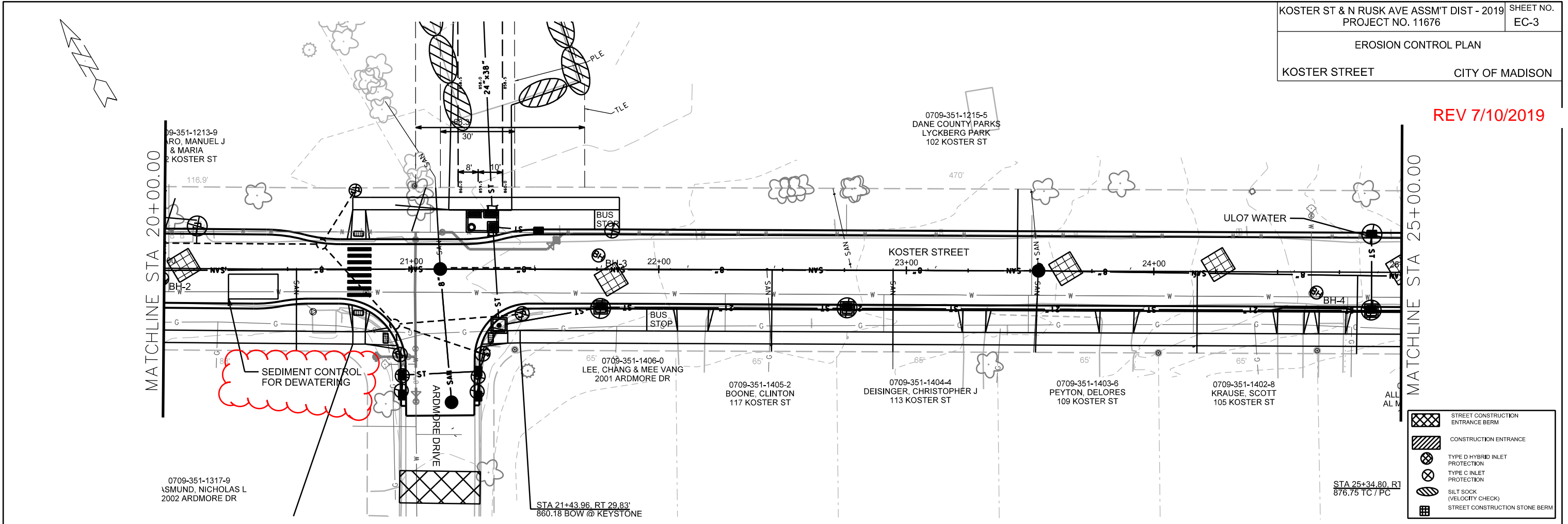


- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
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- SILT SOCK (VELOCITY CHECK)
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PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 7/10/2019



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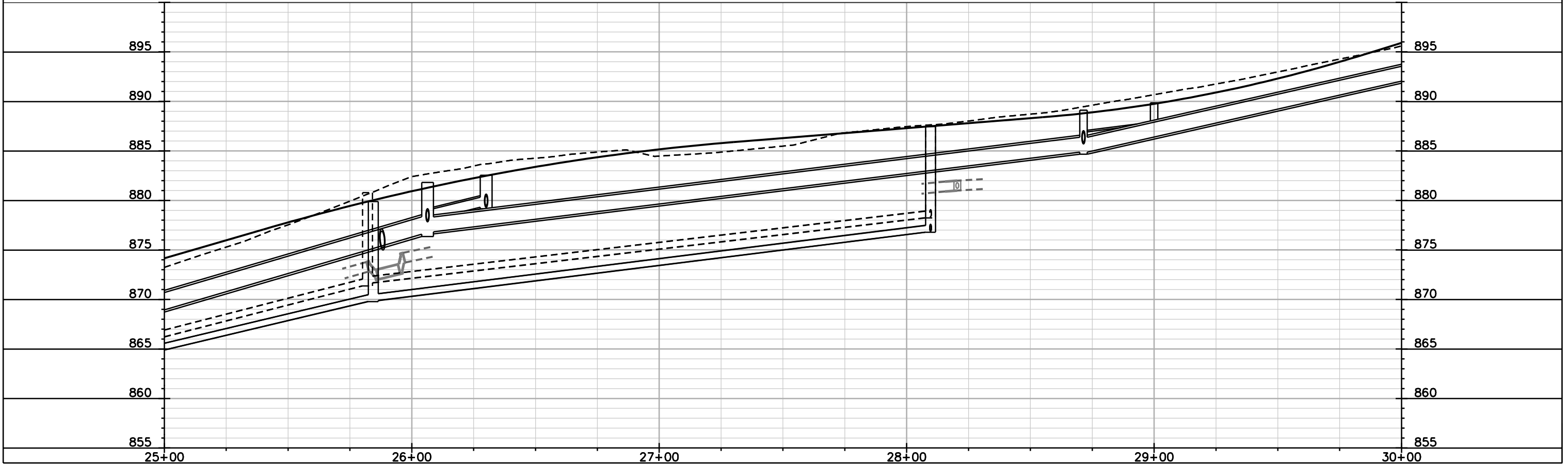
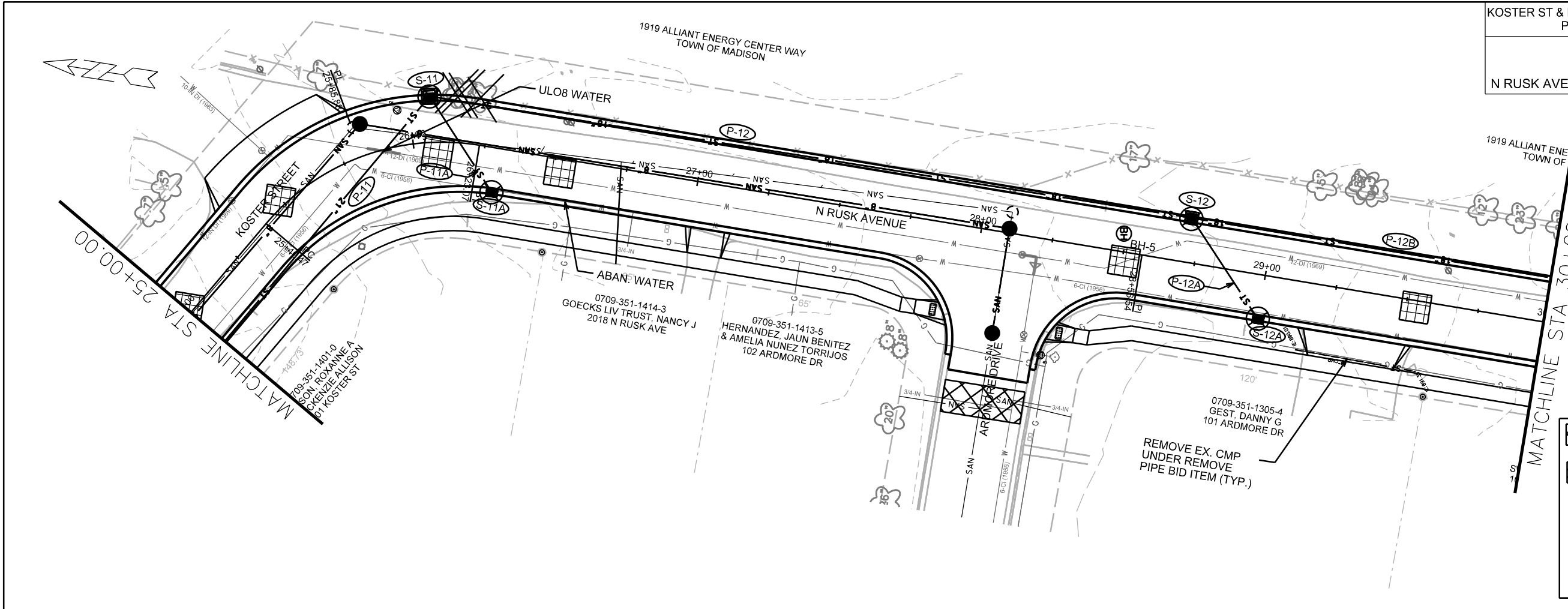


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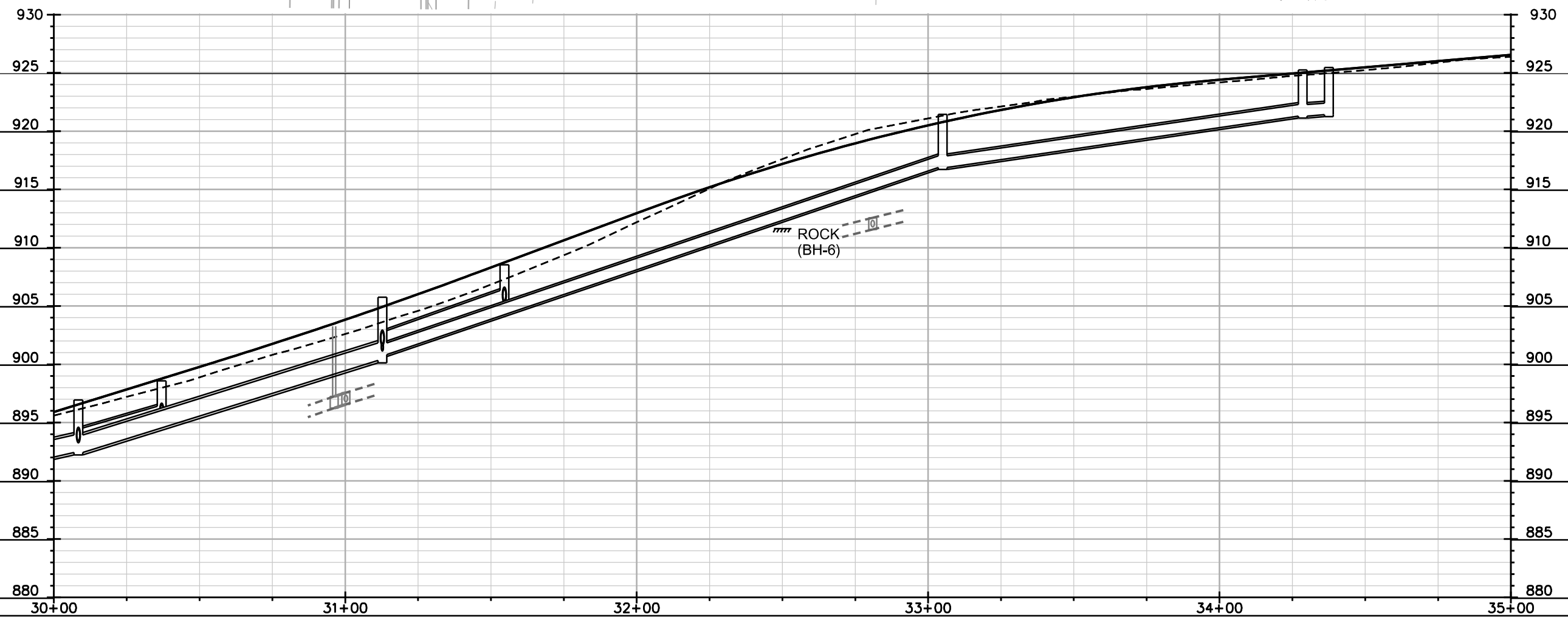
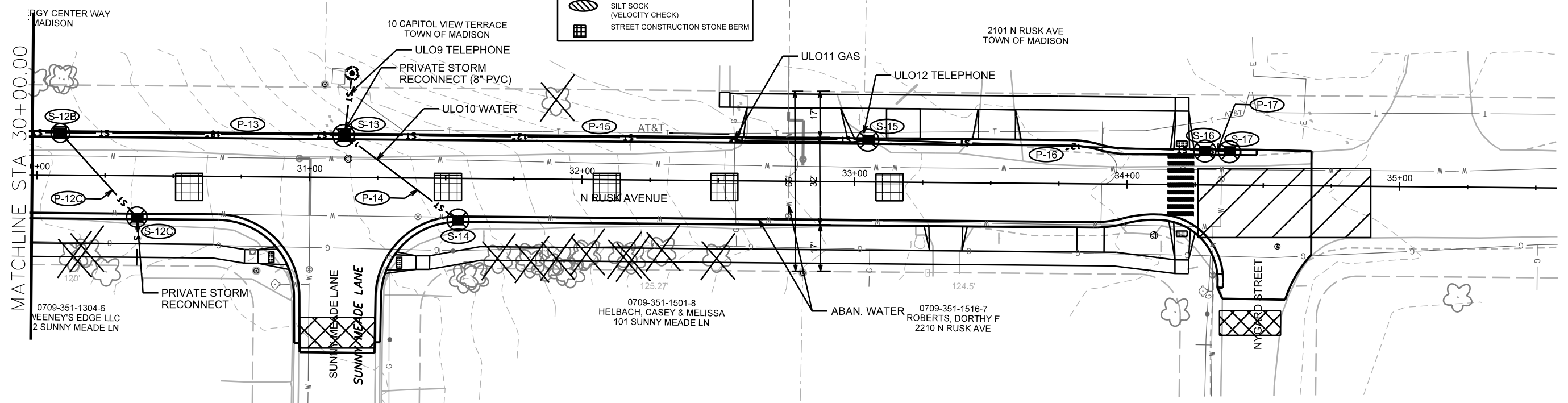
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

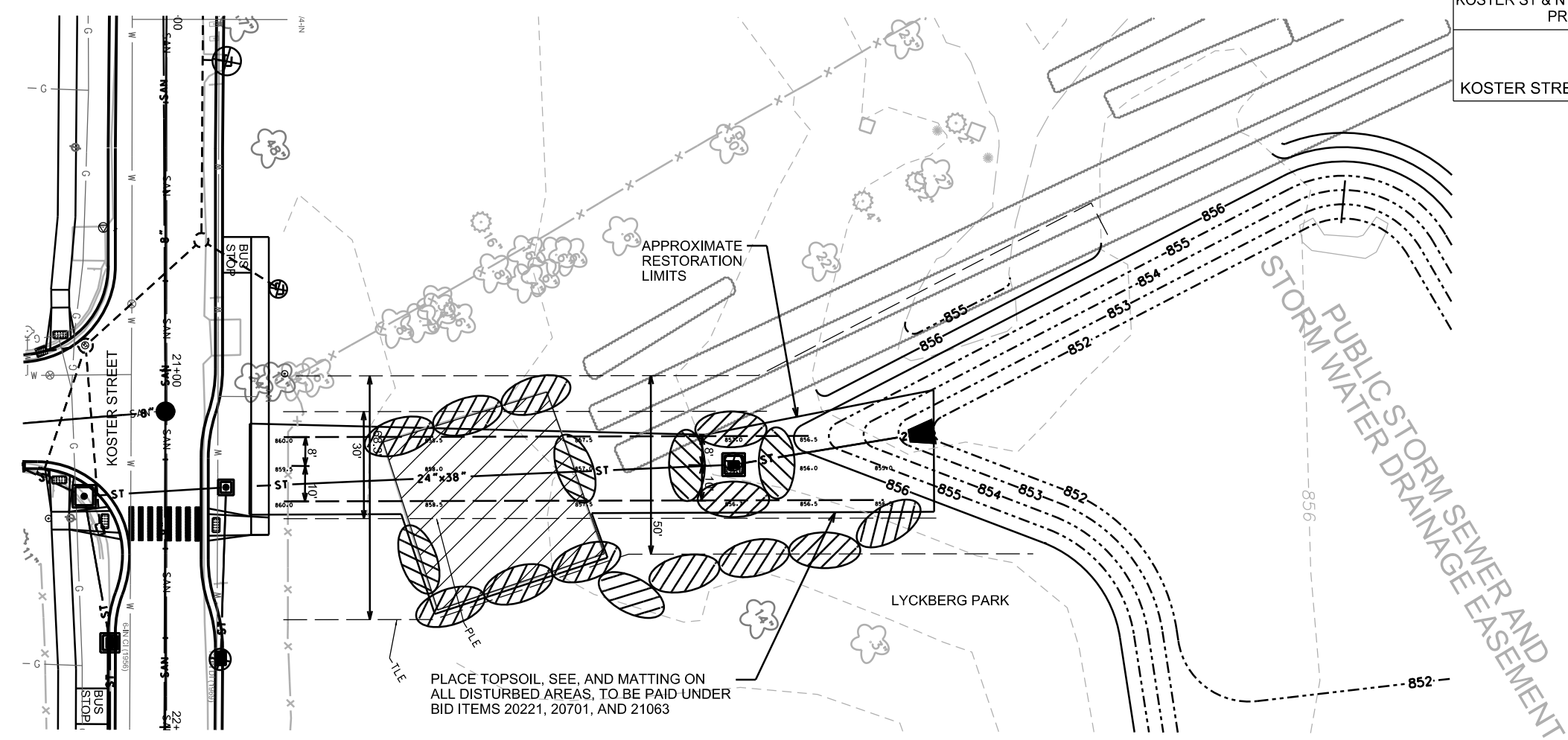
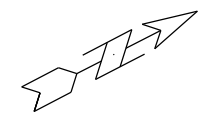


	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION
	SILT SOCK (VELOCITY CHECK)
	STREET CONSTRUCTION STONE BERM



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

PLAN AND PROFILE
KOSTER STREET CITY OF MADISON



875

875

870

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865

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845

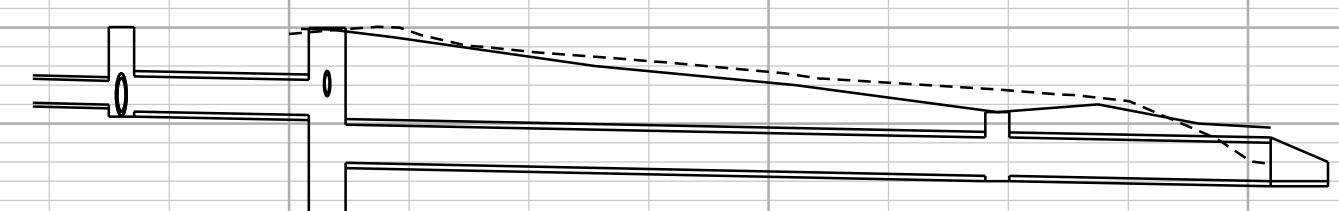
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835

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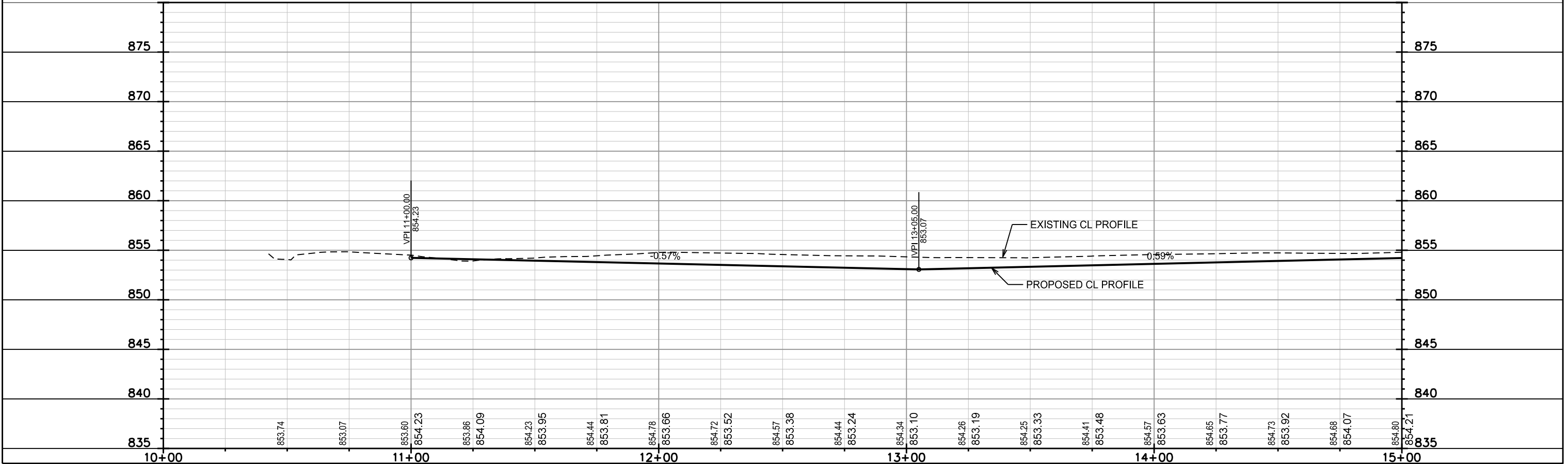
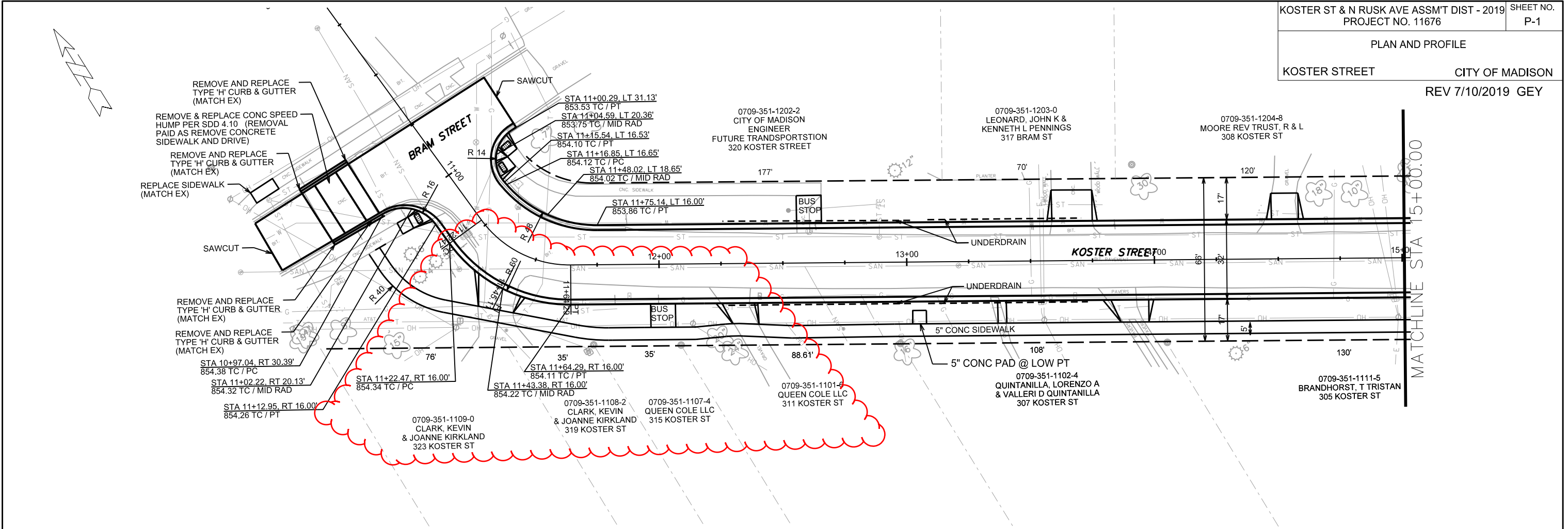


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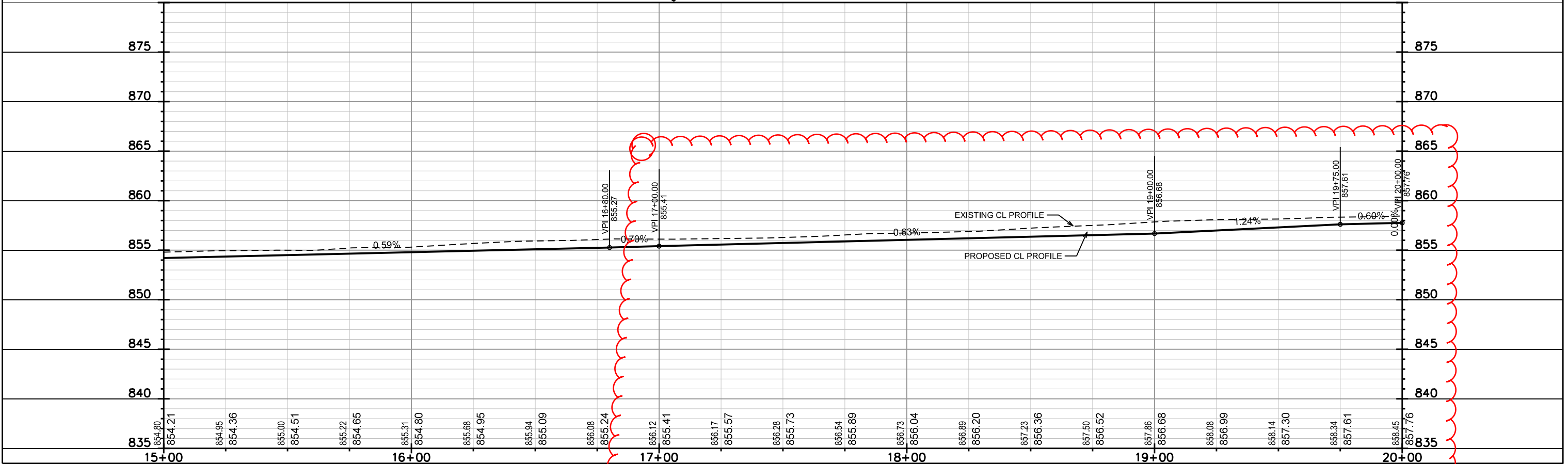
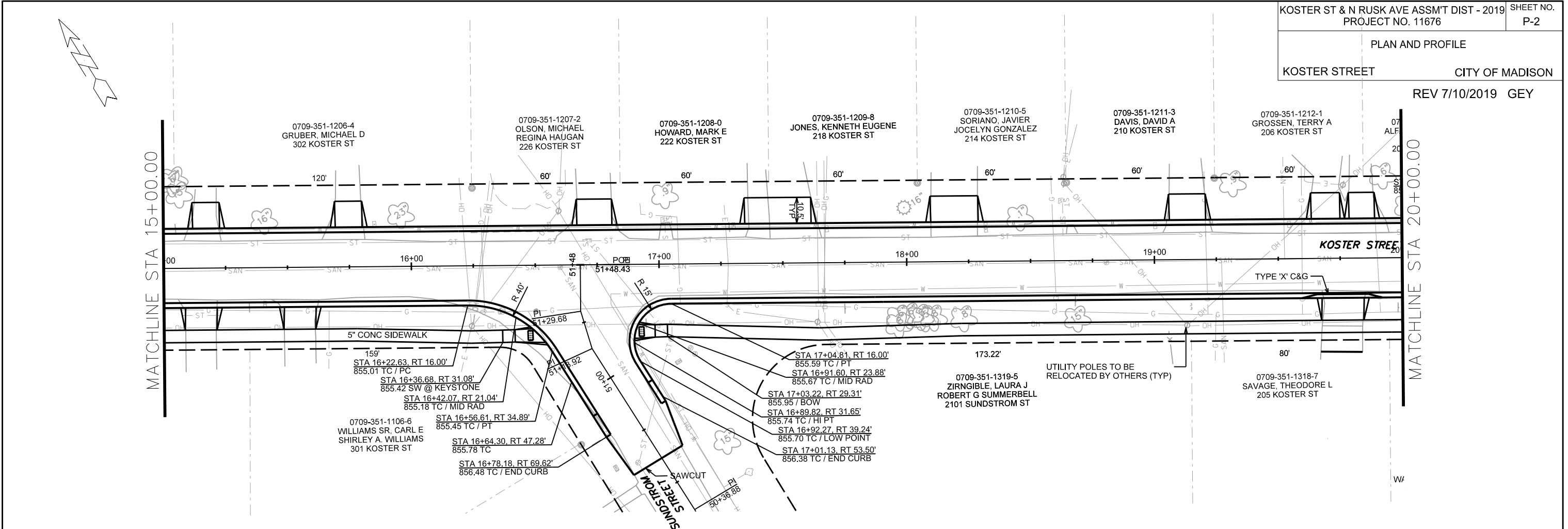
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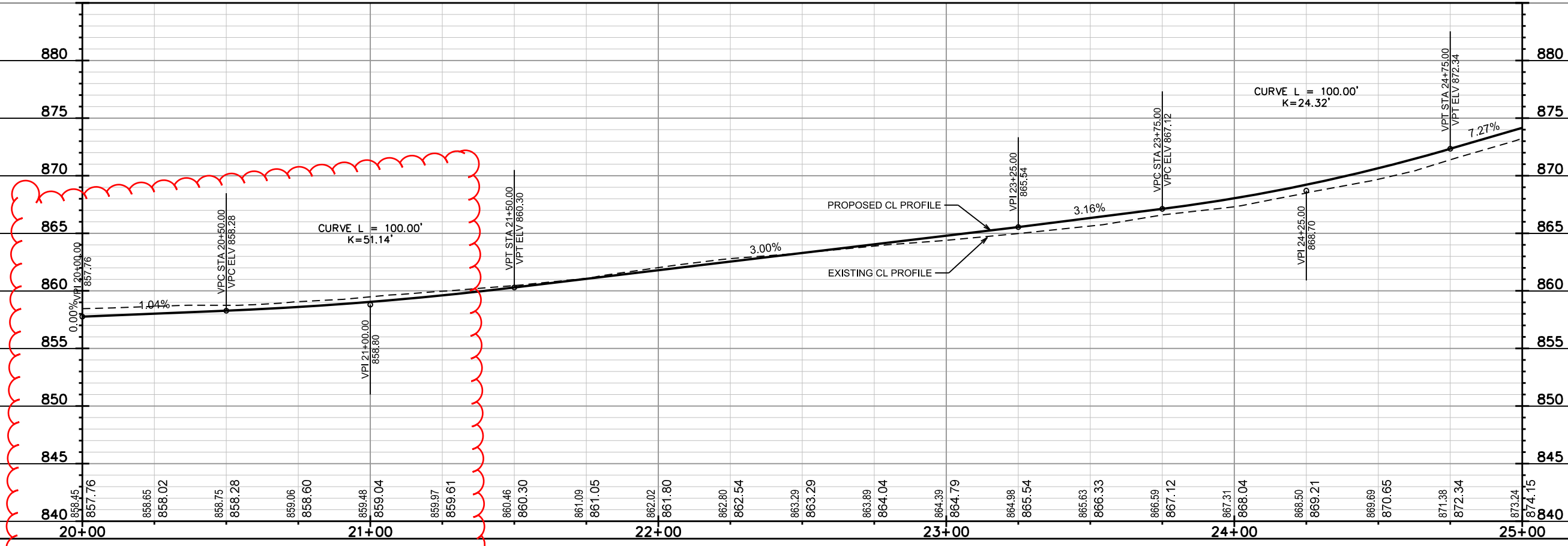
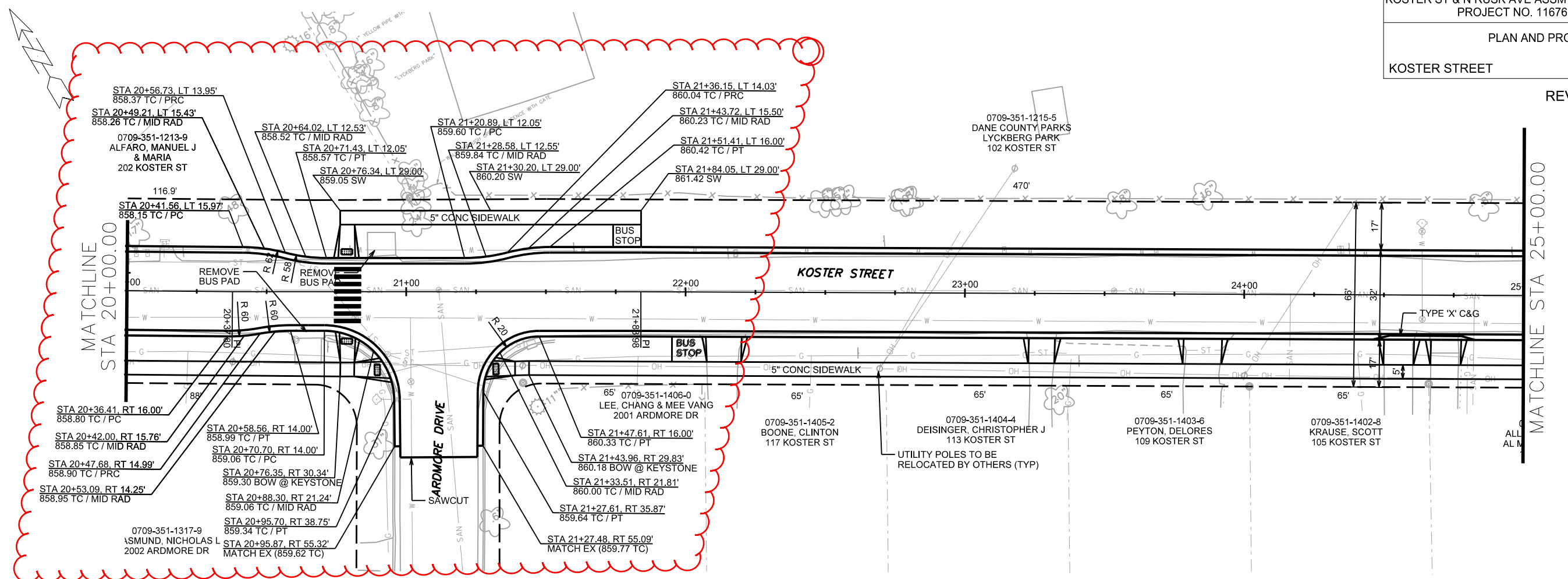
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
KOSTER STREET CITY OF MADISON

REV 7/10/2019 GEY

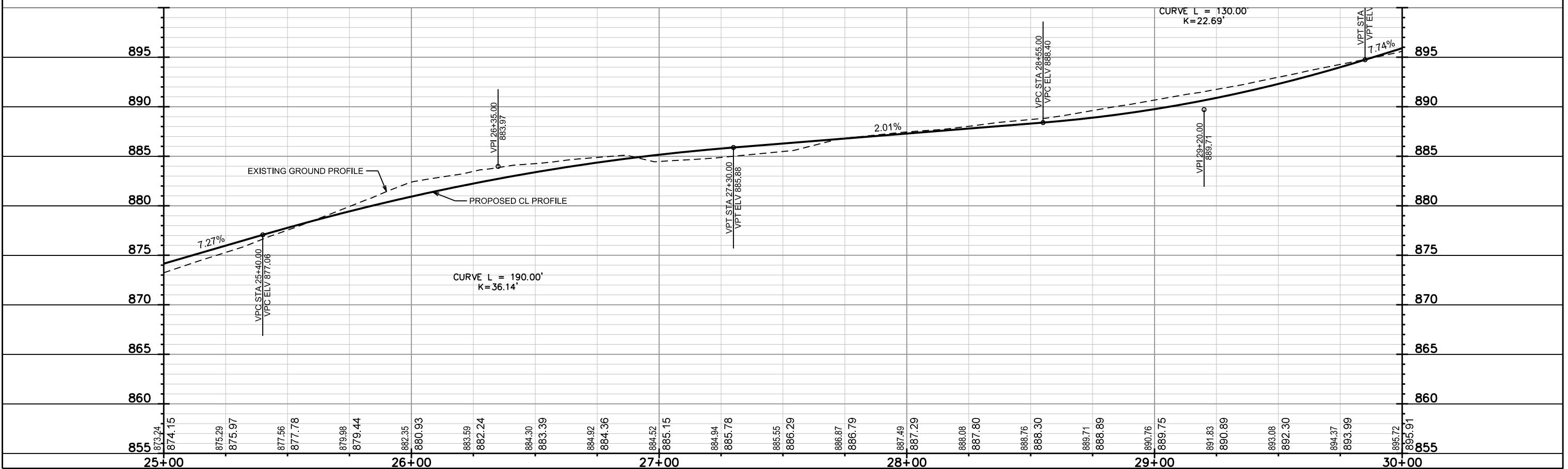
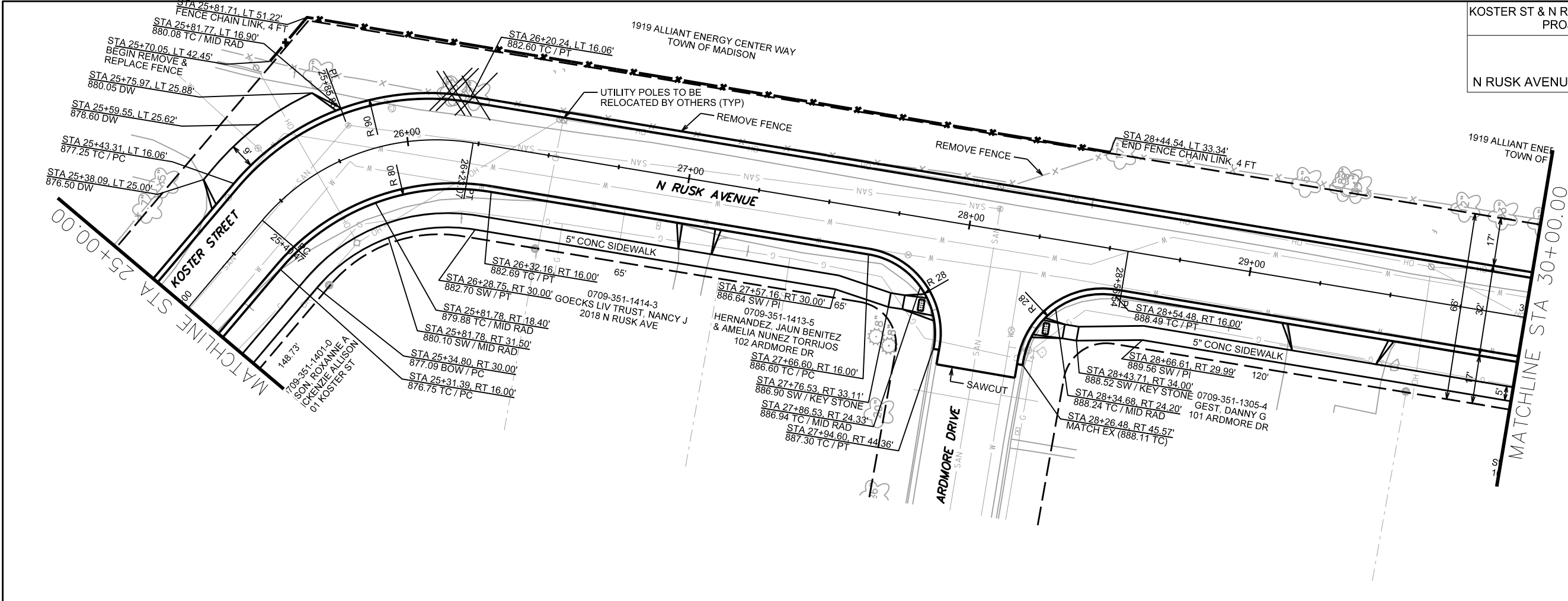


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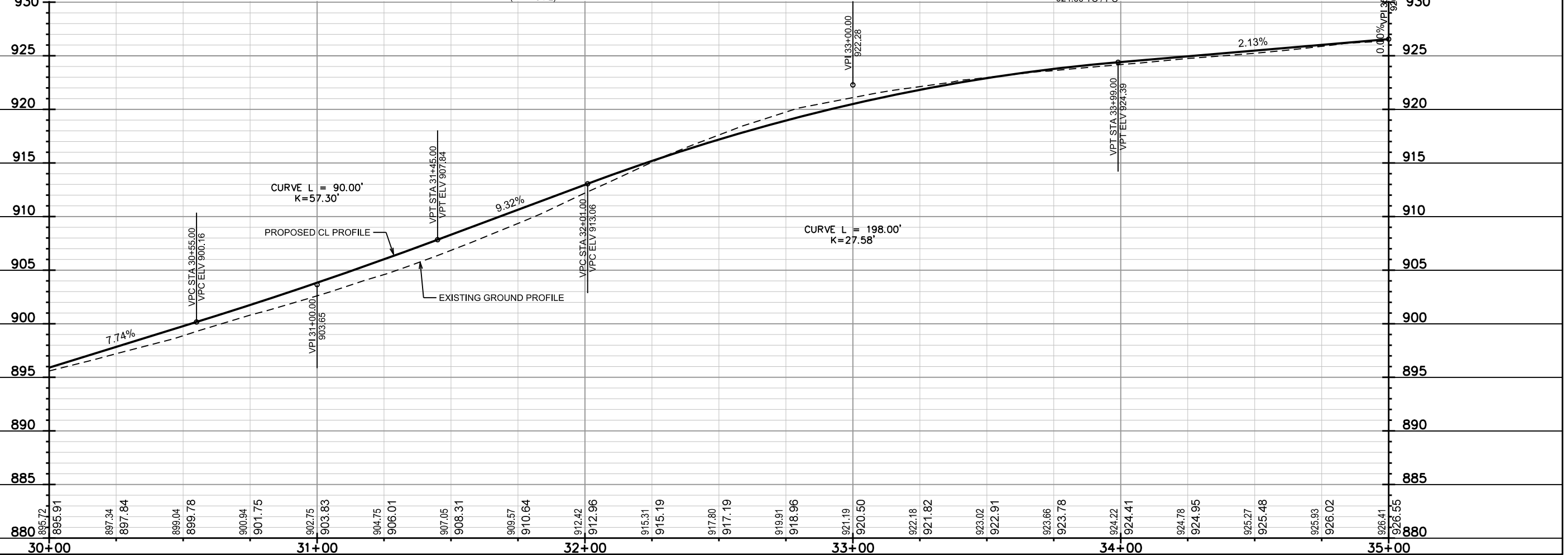
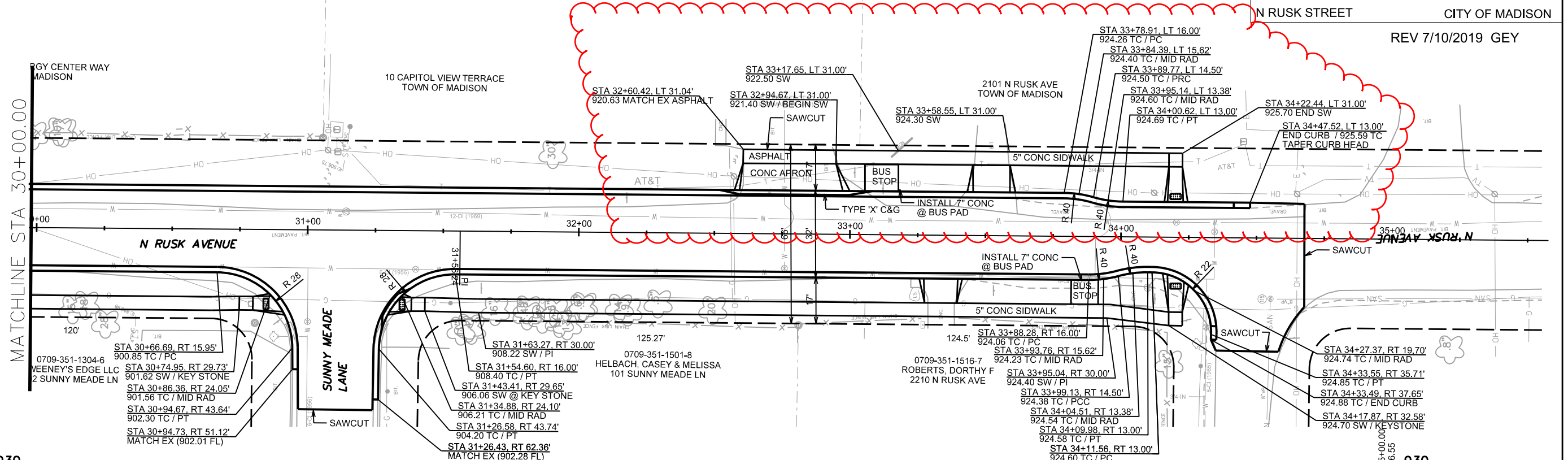
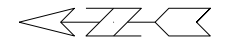


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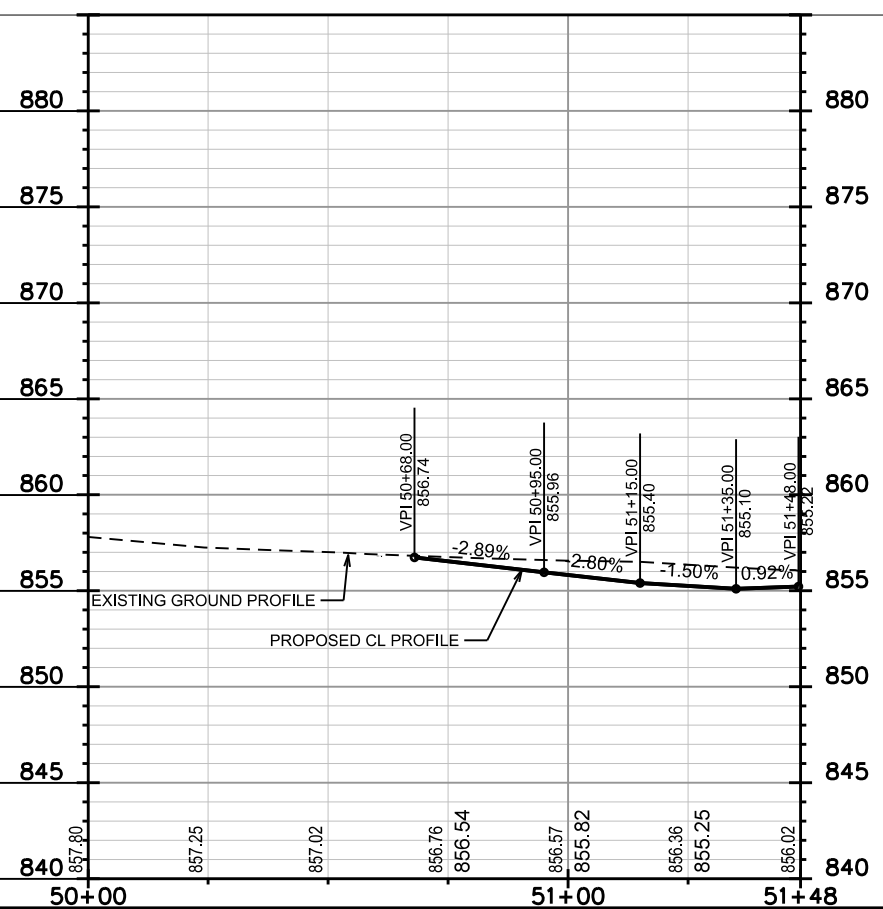
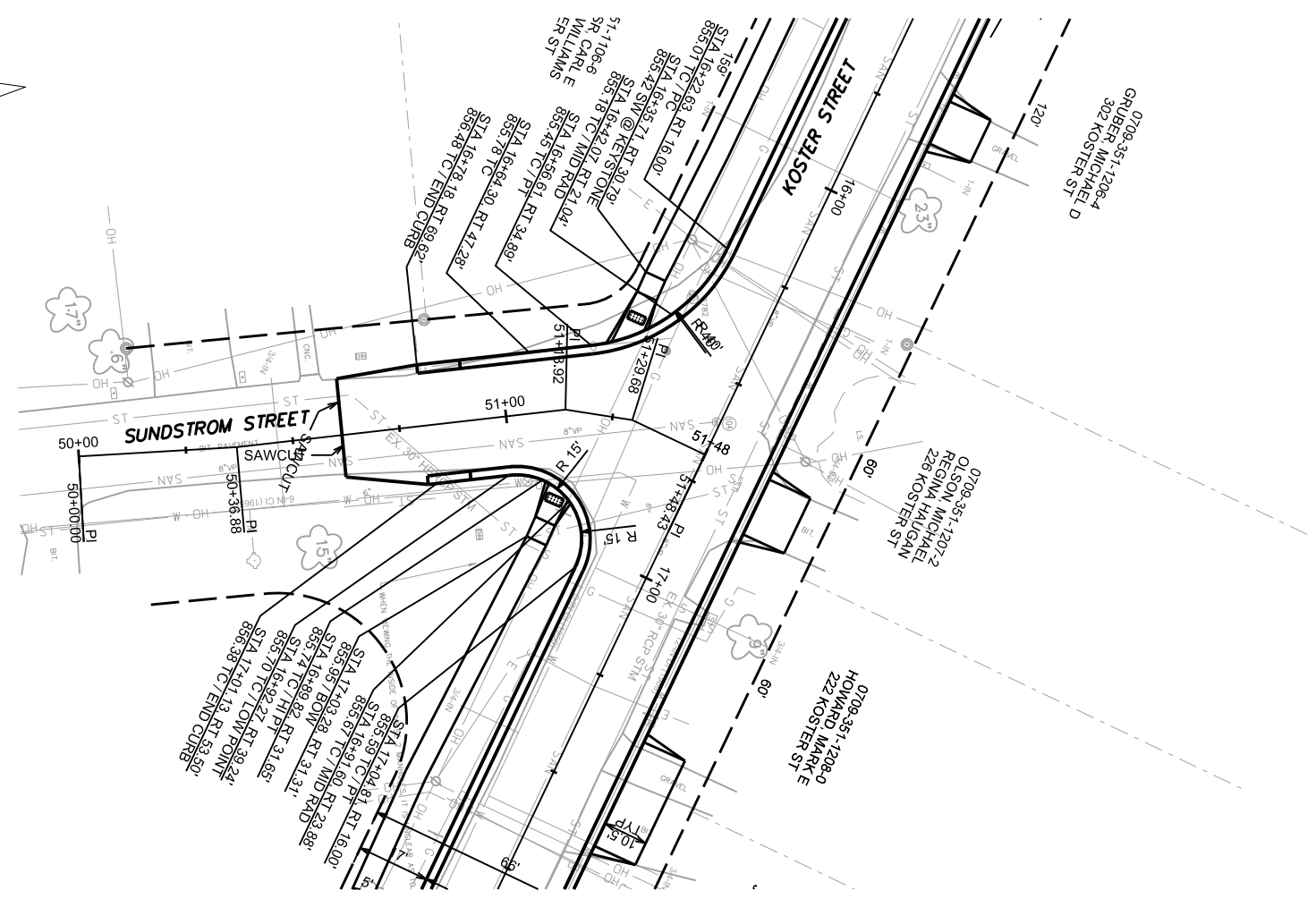
REV. DATE: _____

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

PLAN AND PROFILE
 SUNDSTROM STREET CITY OF MADISON

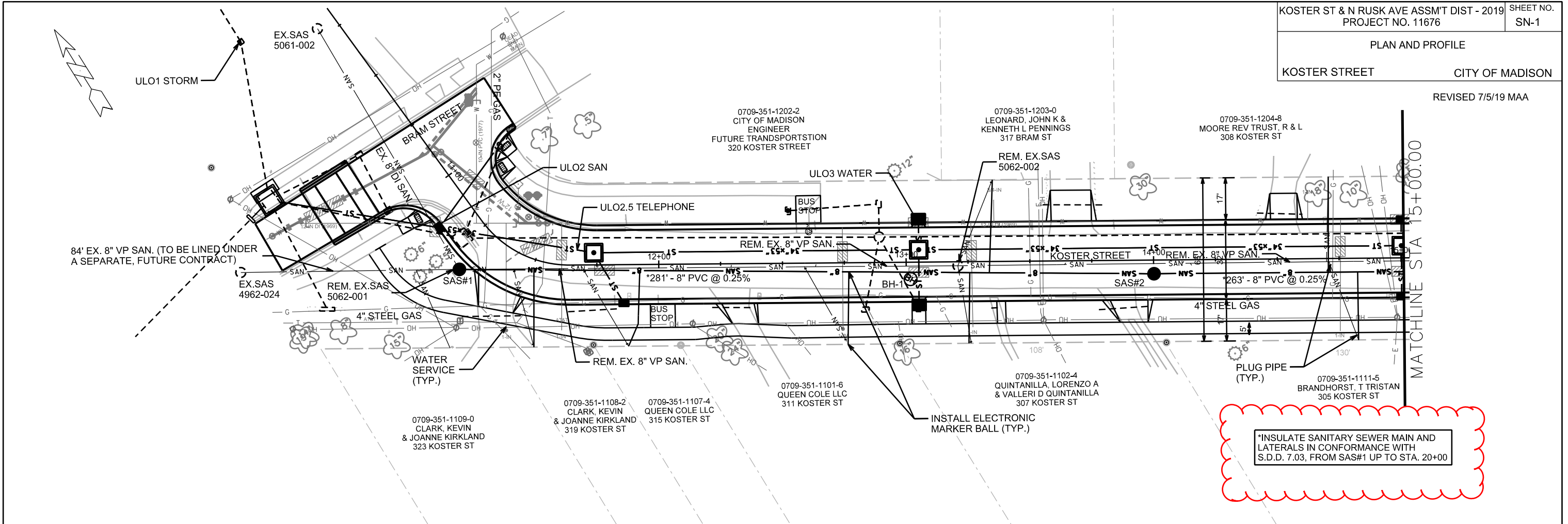


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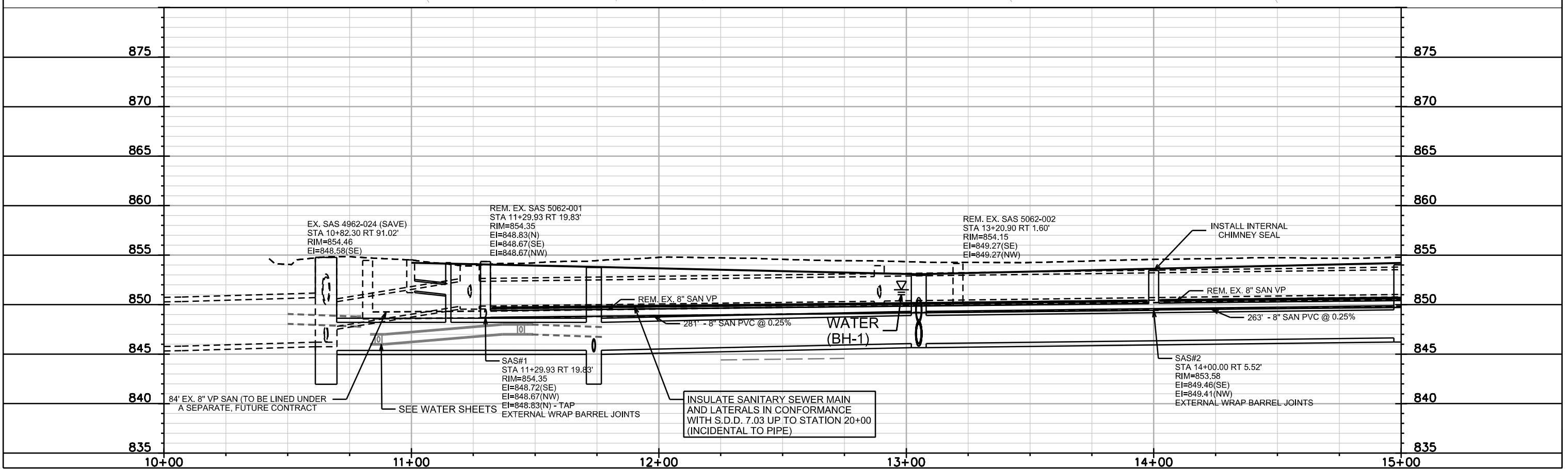
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



INSULATE SANITARY SEWER MAIN AND LATERALS IN CONFORMANCE WITH S.D.D. 7.03, FROM SAS#1 UP TO STA. 20+00

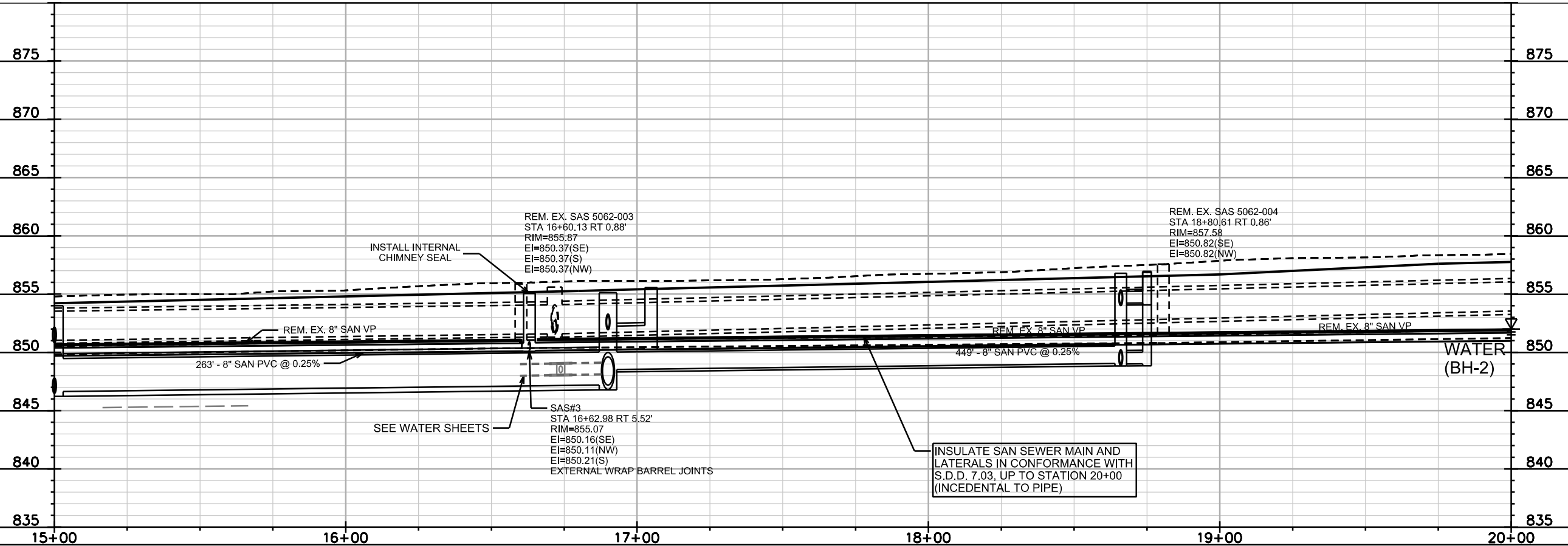
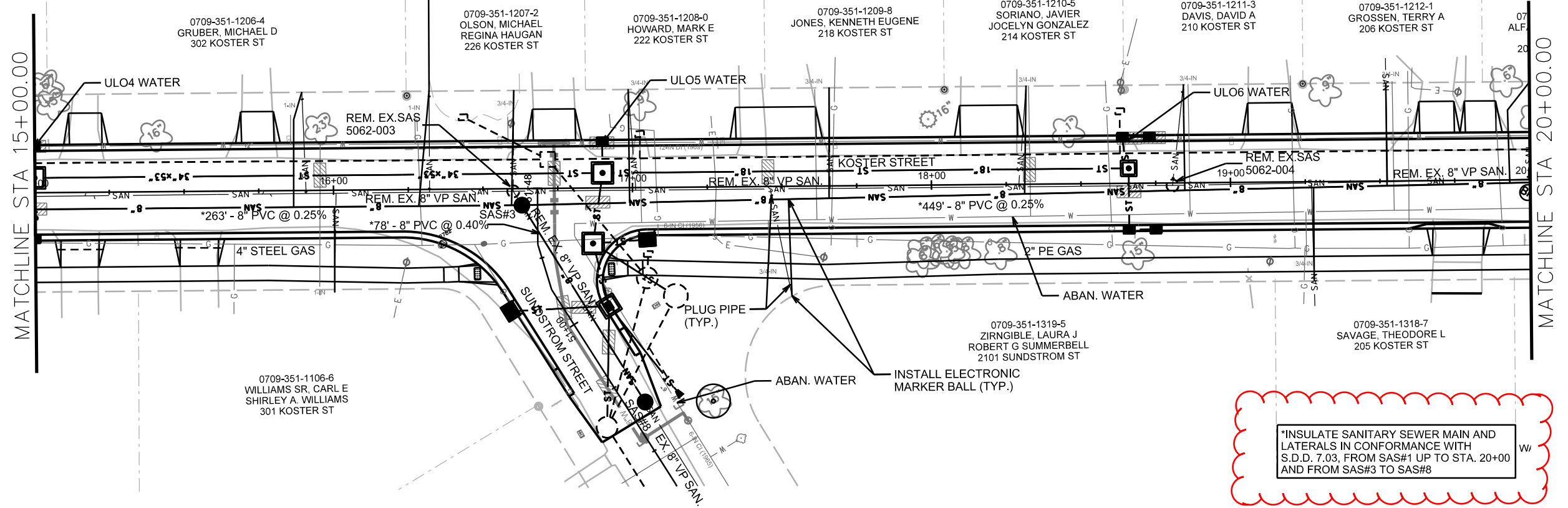


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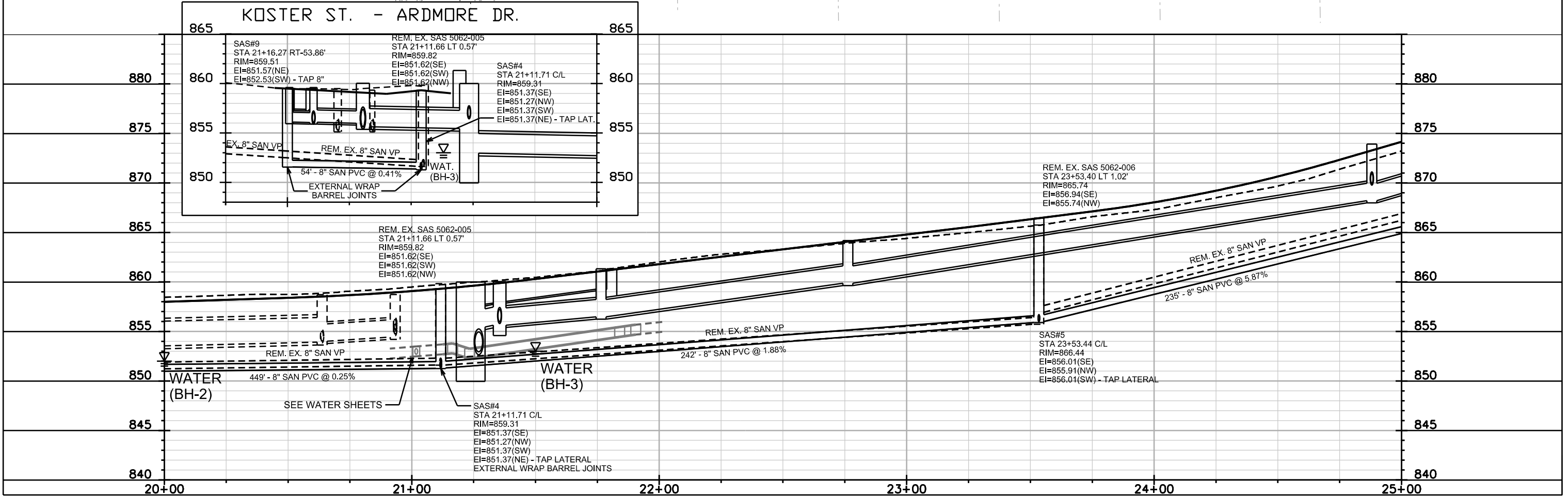
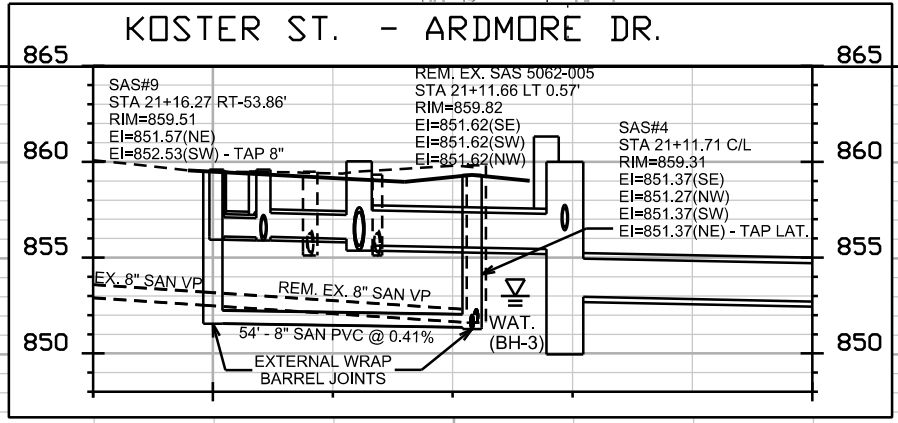
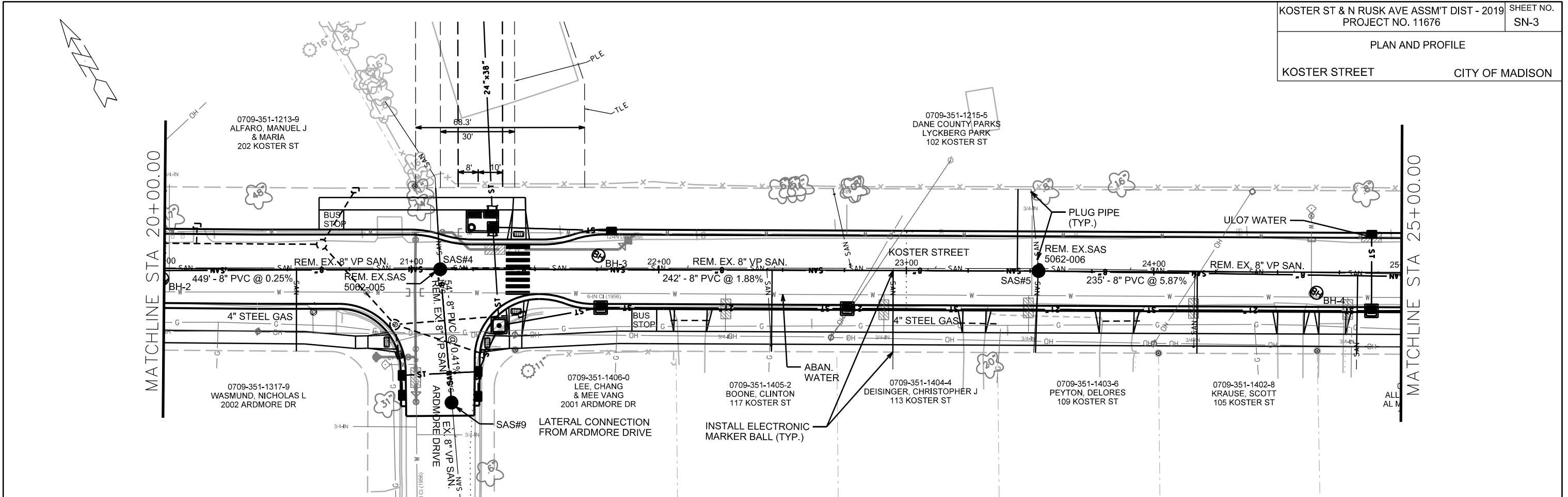
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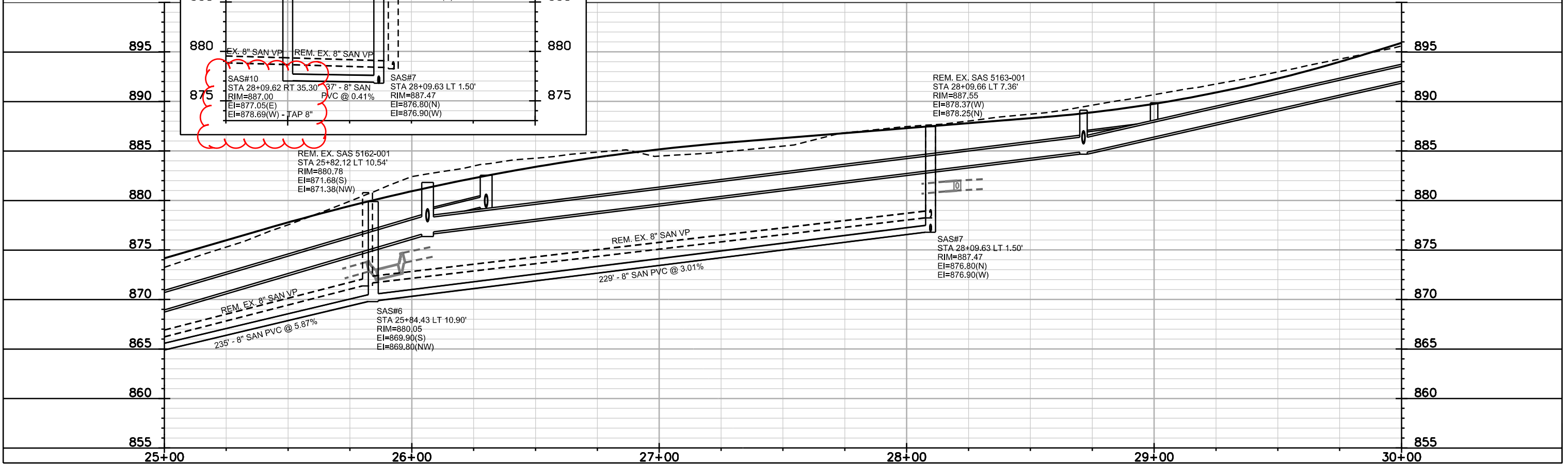
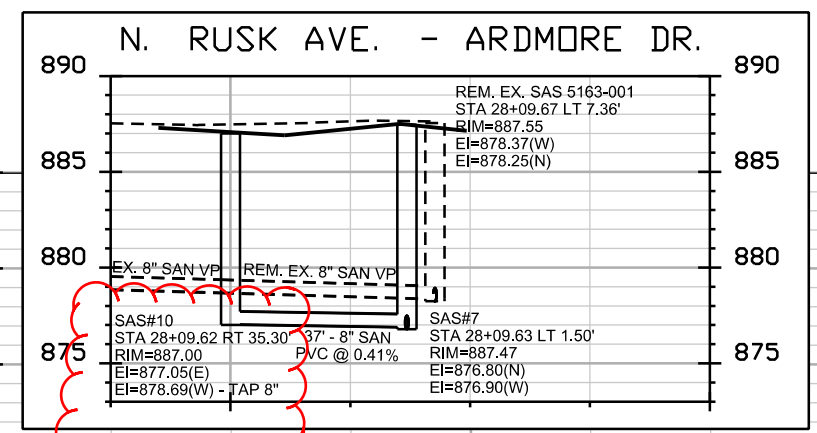
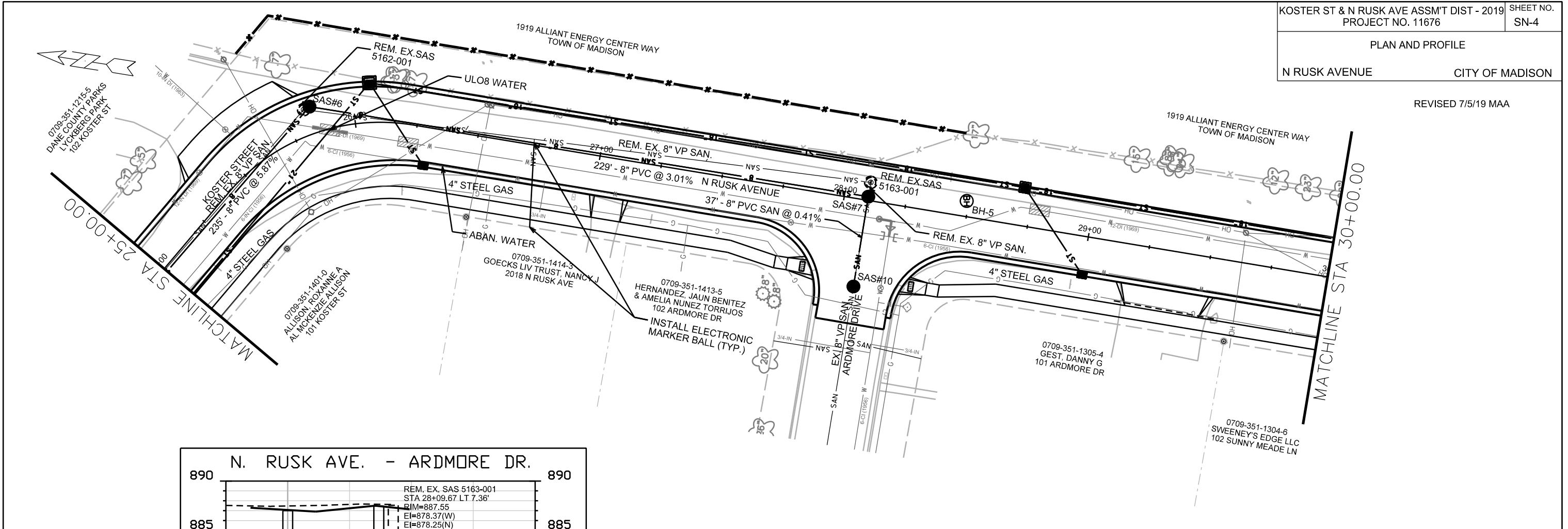
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____
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REVISED 7/5/19 MAA



PLOT SCALE: _____

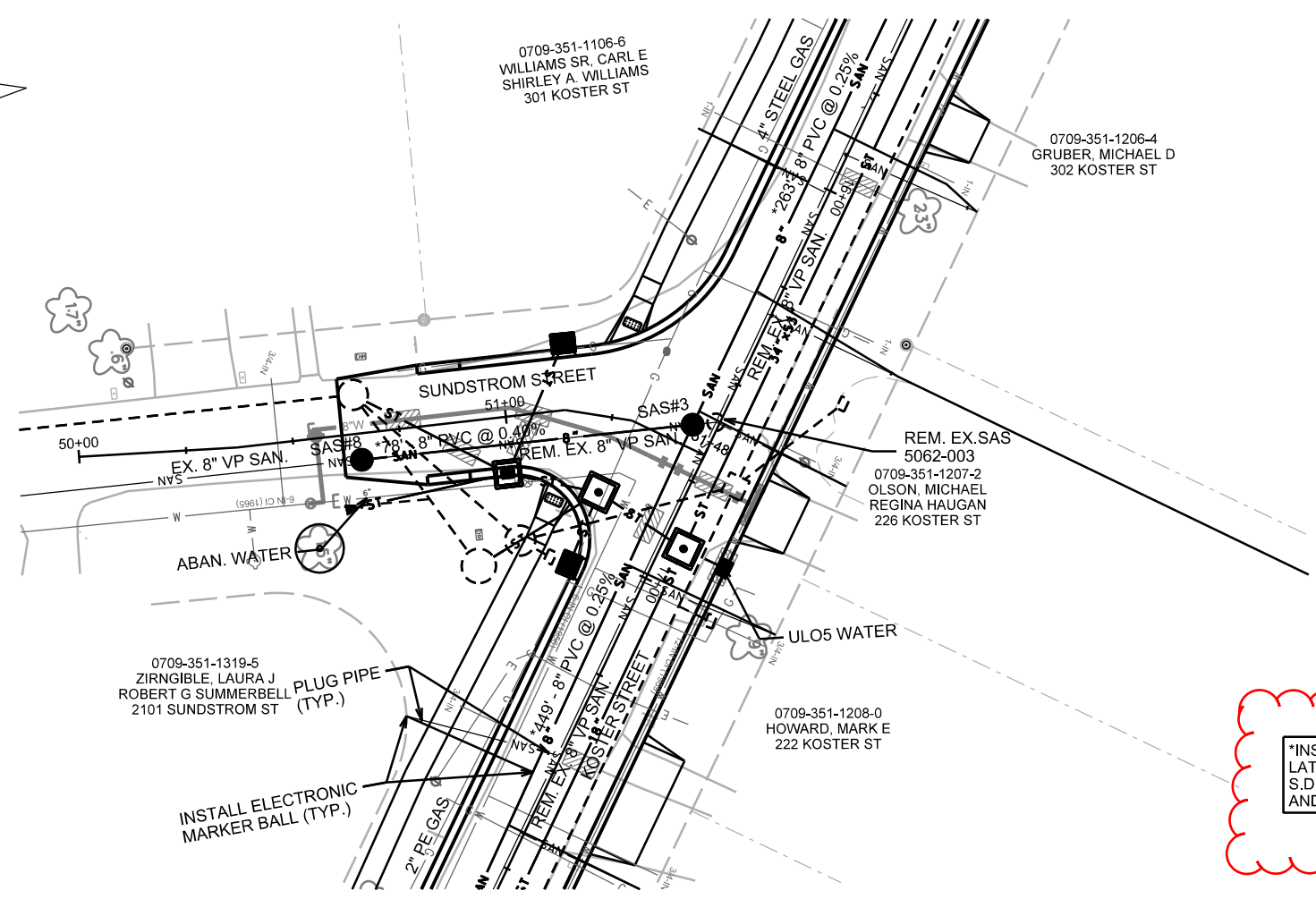
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SUNDSTROM STREET CITY OF MADISON

REVISED 7/5/19 MAA



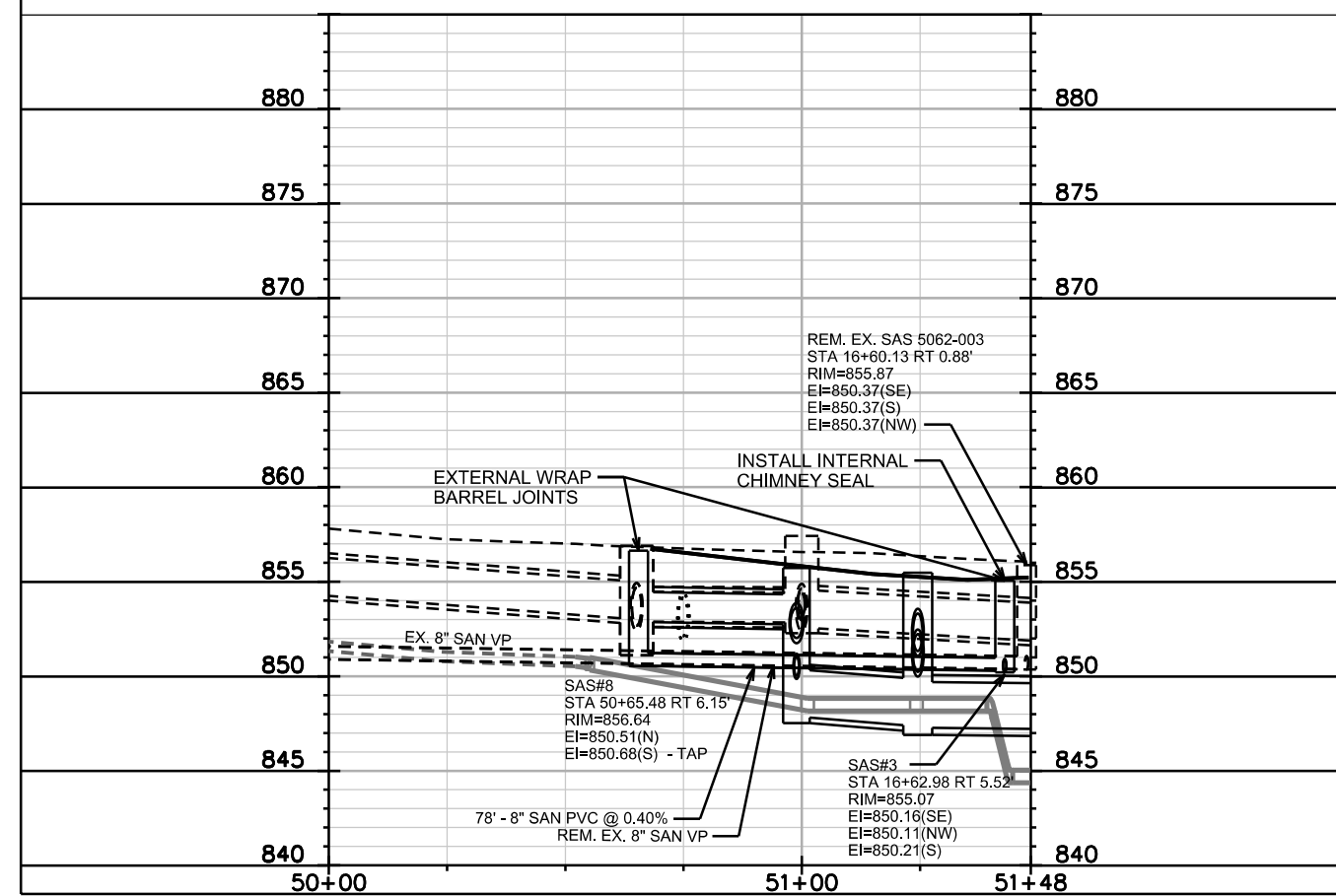
*INSULATE SANITARY SEWER MAIN AND
LATERALS IN CONFORMANCE WITH
S.D.D. 7.03, FROM SAS#1 UP TO STA. 20+00
AND FROM SAS#3 TO SAS#8

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SANITARY SEWER SCHEDULE

KOSTER ST & N RUSK AVE ASSM'T DIST - 2019 PROJECT NO. 11676	SHEET NO. SN-6
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
KOSTER STREET						
SAS#1	11+29.93	RT-19.83	854.35	848.67	5.68	[1]
SAS#2	14+00.00	RT-5.52	853.58	849.41	4.17	[1]; [2]
SAS#3	16+62.98	RT-5.52	855.07	850.11	4.96	[1]; [2]
SAS#4	21+11.71	CL	859.31	851.27	8.04	[1]
SAS#5	23+53.44	CL	866.44	855.91	10.53	-
SAS#6	25+84.43	LT-10.90	880.05	869.80	10.25	-
N. RUSK AVENUE						
SAS#7	28+09.63	LT-1.50	887.47	876.80	10.67	-
SUNDSTROM STREET						
SAS#8	50+65.48	RT-6.15	856.64	850.51	6.13	[1]
ARDMORE DRIVE						
SAS#9	21+16.27	RT-53.86	859.51	851.57	7.94	[1]
SAS#10	28+09.62	RT-35.30	887.00	878.69	8.31	-

SANITARY STRUCTURES TO REMAIN

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
KOSTER STREET						
4962-024	10+82.30	RT-91.02	854.46	848.56	5.90	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
KOSTER STREET								
SAS#1	SAS#2	848.72	849.41	281	0.25%	8"	SDR-35	*[4]
SAS#2	SAS#3	849.46	850.11	263	0.25%	8"	SDR-35	*[4]
SAS#3	SAS#4	850.16	851.27	449	0.25%	8"	SDR-35	*[5]
SAS#4	SAS#5	851.37	855.91	242	1.88%	8"	SDR-35	-
SAS#5	SAS#6	856.01	869.80	235	5.87%	8"	SDR-35	-
N. RUSK AVENUE								
SAS#6	SAS#7	869.90	876.80	229	3.01%	8"	SDR-35	-
SUNDSTROM STREET								
SAS#3	SAS#8	850.21	850.52	78	0.40%	8"	SDR-35	*[4]
ARDMORE DRIVE								
SAS#4	SAS#9	851.37	851.59	54	0.41%	8"	SDR-35	-
SAS#7	SAS#10	876.90	877.05	37	0.41%	8"	SDR-35	-

EXISTING SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PIPE TYPE	NOTES
KOSTER STREET								
EX SAS 4962-024	EX SAS 5062-001	848.58	848.67	88	0.10%	8"	VP	[3]

- [1] INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL, IN ACCORDANCE WITH BID ITEM 50797
- [2] INSTALL INTERNAL CHIMNEY SEAL, IN ACCORDANCE WITH BID ITEM 50771
- [3] LINER TO BE INSTALLED IN THIS SECTION OF PIPE UNDER A SEPARATE, FUTURE CONTRACT

***7/5/19 MAA REVISION:**

- [4] INSULATE SANITARY SEWER MAIN AND LATERALS IN CONFORMANCE WITH S.D.D. 7.03
- [5] INSULATE SANITARY SEWER MAIN AND LATERALS, UP TO STA. 20+00, IN CONFORMANCE WITH S.D.D. 7.03

SANITARY SEWER SCHEDULE

KOSTER ST & N RUSK AVE ASSMT DIST - 2019	SHEET NO.
PROJECT NO. 11676	SN-7
SANITARY SEWER REMOVALS	
CITY OF MADISON	

REMOVE SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<u>KOSTER STREET</u>						
5062-001	11+29.93	RT-19.83	854.35	848.67	5.68	-
5062-002	13+20.90	RT-1.60	854.15	849.27	4.88	-
5062-003	16+60.13	RT-0.88	855.87	850.35	5.52	-
5062-004	18+80.61	RT-0.86	857.58	850.82	6.76	-
5062-005	21+11.66	LT-0.57	859.82	851.62	8.20	-
5062-006	23+53.40	LT-1.02	865.74	855.74	10.00	-
5162-001	25+82.12	LT-10.54	880.78	871.38	9.40	-
<u>N. RUSK AVENUE</u>						
5163-001	28+09.66	LT-7.36	887.55	878.25	9.30	-

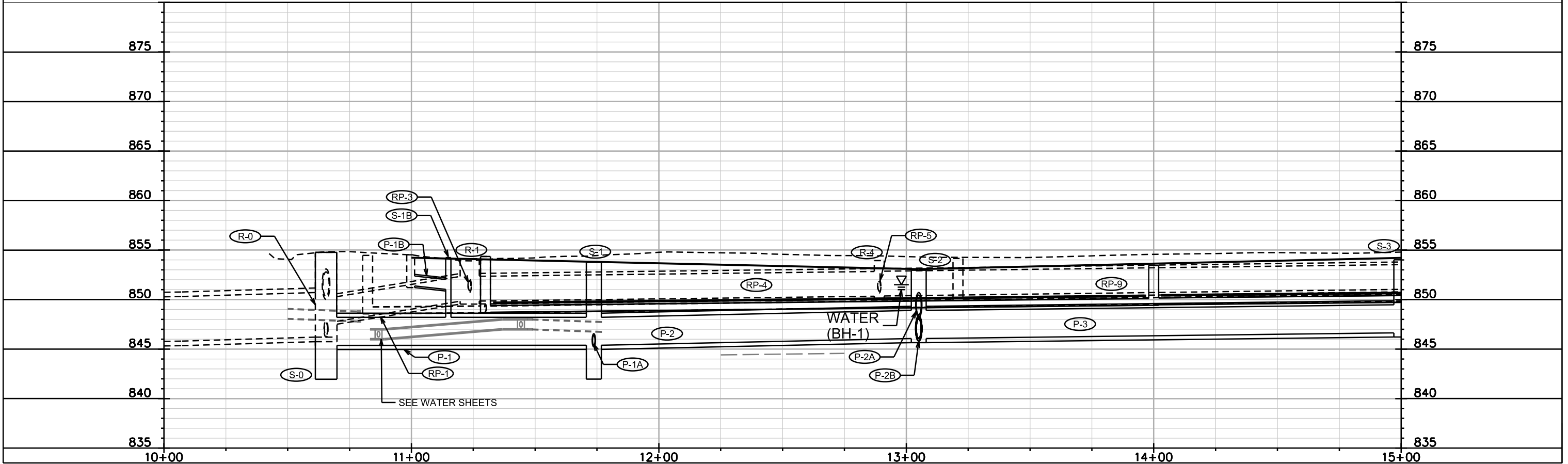
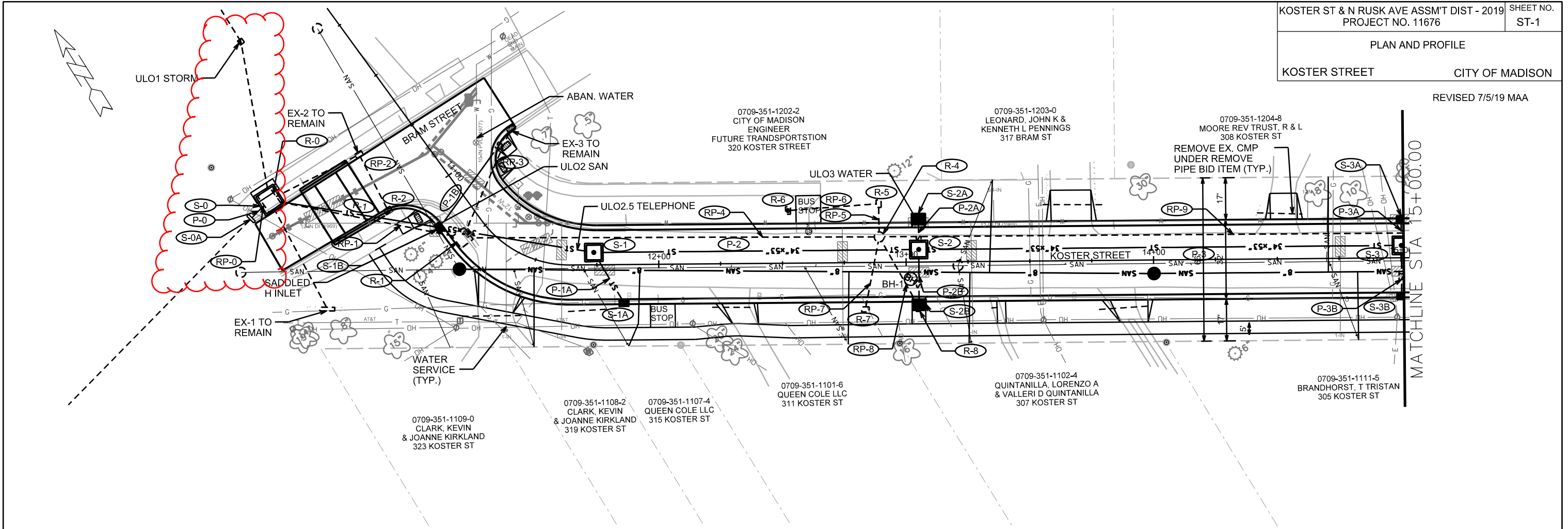
REMOVE SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	PLAN LGTH (FT)	PAID (Y/N)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
<u>KOSTER STREET</u>							
EX SAS 5062-001	EX SAS 5062-002	202	N	0	8"	VP	-
EX SAS 5062-002	EX SAS 5062-003	339	Y	339	8"	VP	-
EX SAS 5062-003	EX SAS 5062-004	220	Y	125	8"	VP	-
EX SAS 5062-004	EX SAS 5062-005	231	N	0	8"	VP	-
EX SAS 5062-005	EX SAS 5062-006	242	N	0	8"	VP	-
EX SAS 5062-006	EX SAS 5162-001	232	N	0	8"	VP	-
<u>N. RUSK AVENUE</u>							
EX SAS 5162-001	EX SAS 5163-001	231	Y	89	8"	VP	-
<u>ARDMORE DRIVE</u>							
EX SAS 5062-005	EX SAS 5062-007	54	N	0	8"	VP	[1]
EX SAS 5163-001	EX SAS 5163-005	37	N	0	8"	VP	[1]
<u>SUNDSTROM STREET</u>							
EX SAS 5062-003	EX SAS 5062-008	78	N	0	8"	VP	[1]

[1] PARTIAL REMOVAL; ONLY REMOVE PIPE TO LOCATION OF PROPOSED SAS

PLAN AND PROFILE
KOSTER STREET CITY OF MADISON

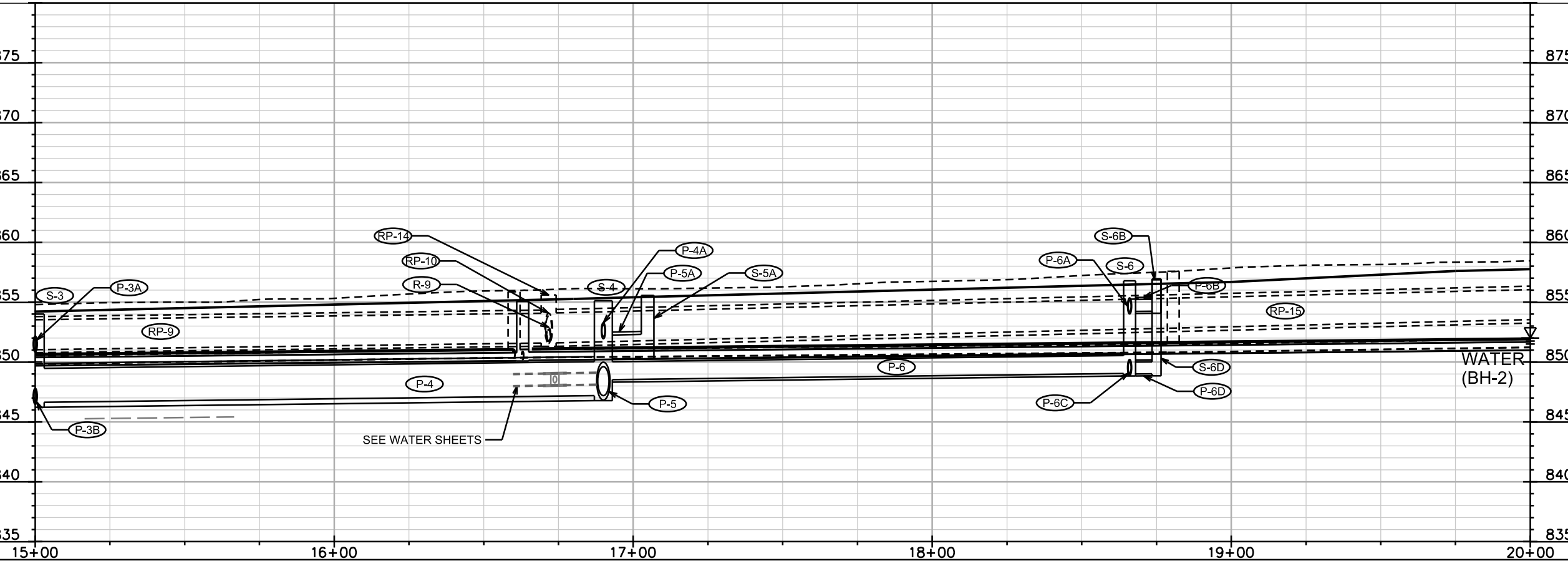
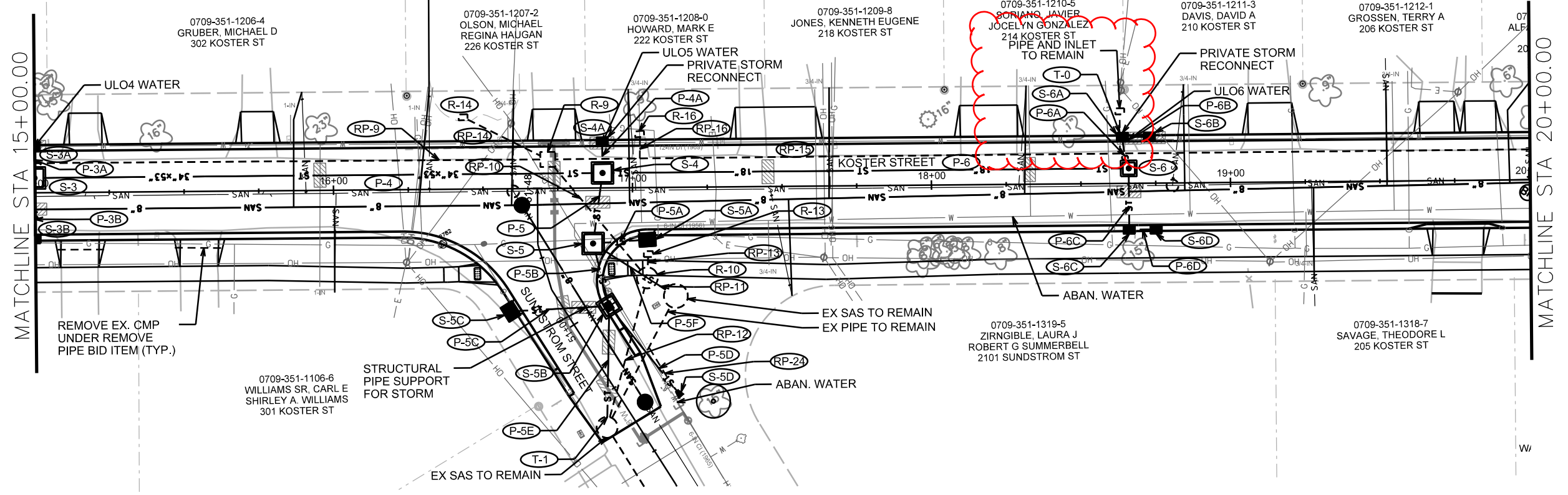
REVISED 7/5/19 MAA



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

PLAN AND PROFILE
KOSTER STREET CITY OF MADISON

REVISED 7/5/19 MAA

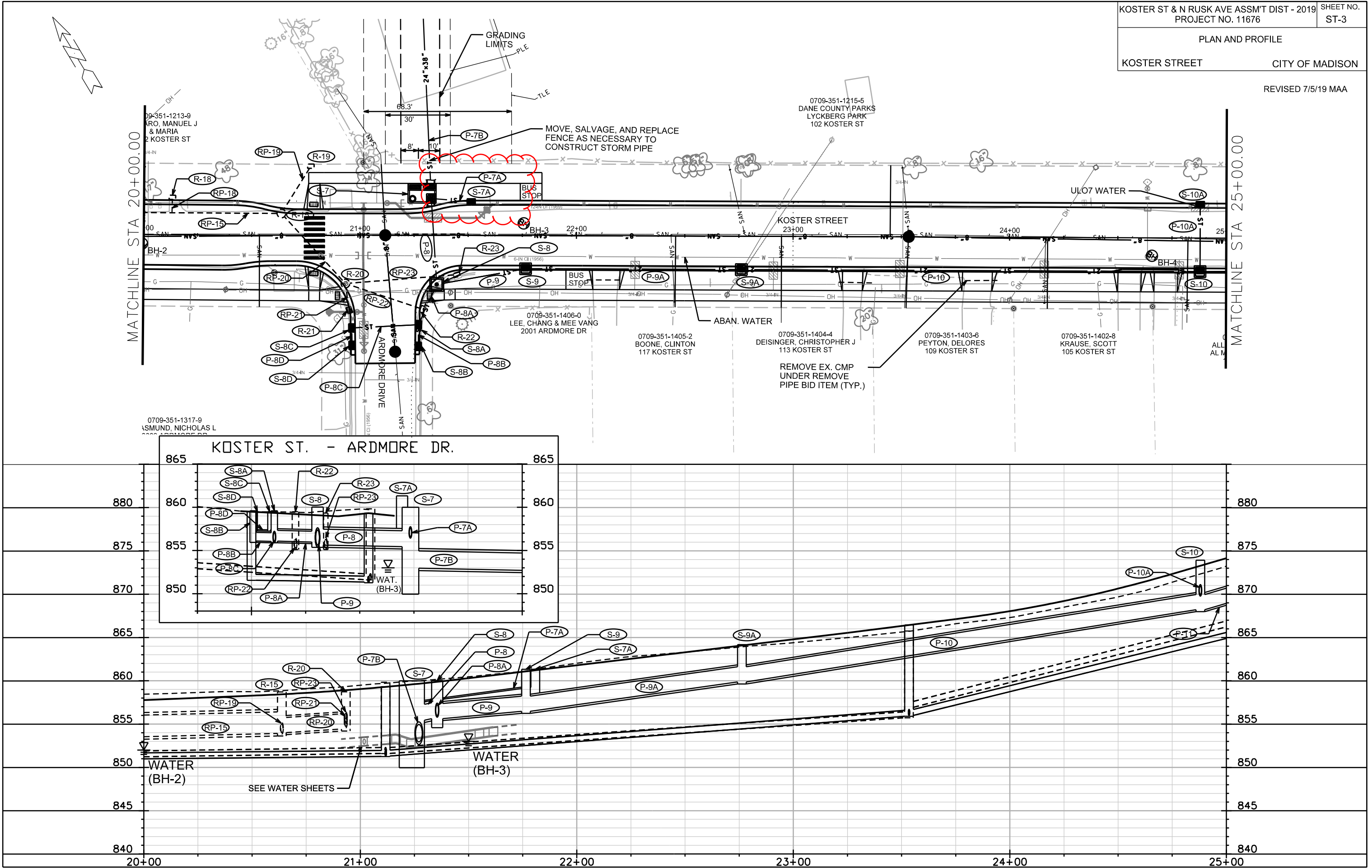


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

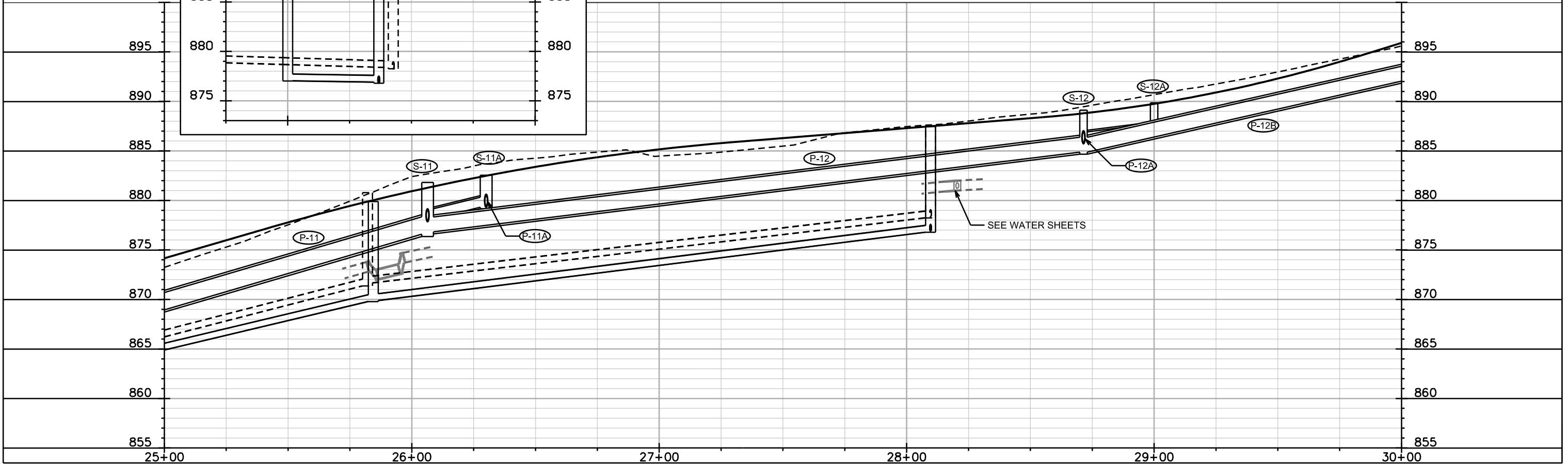
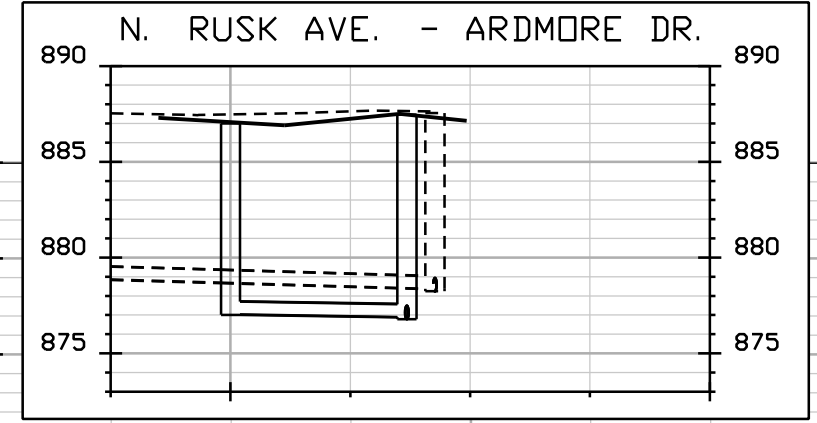
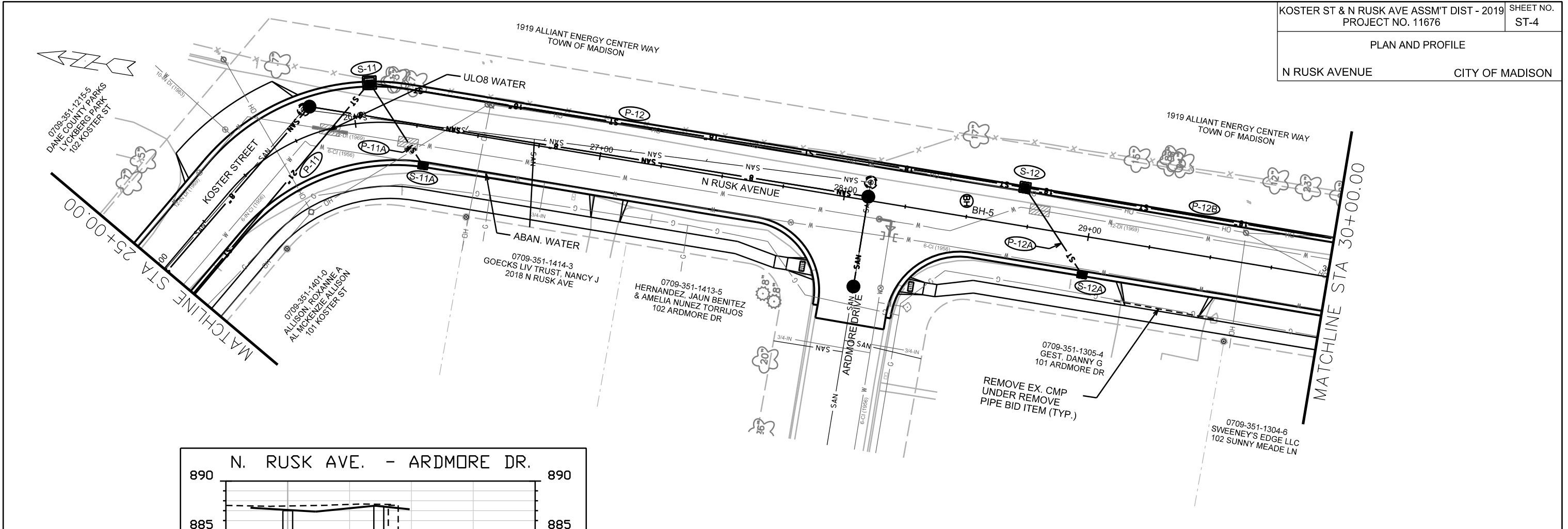


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



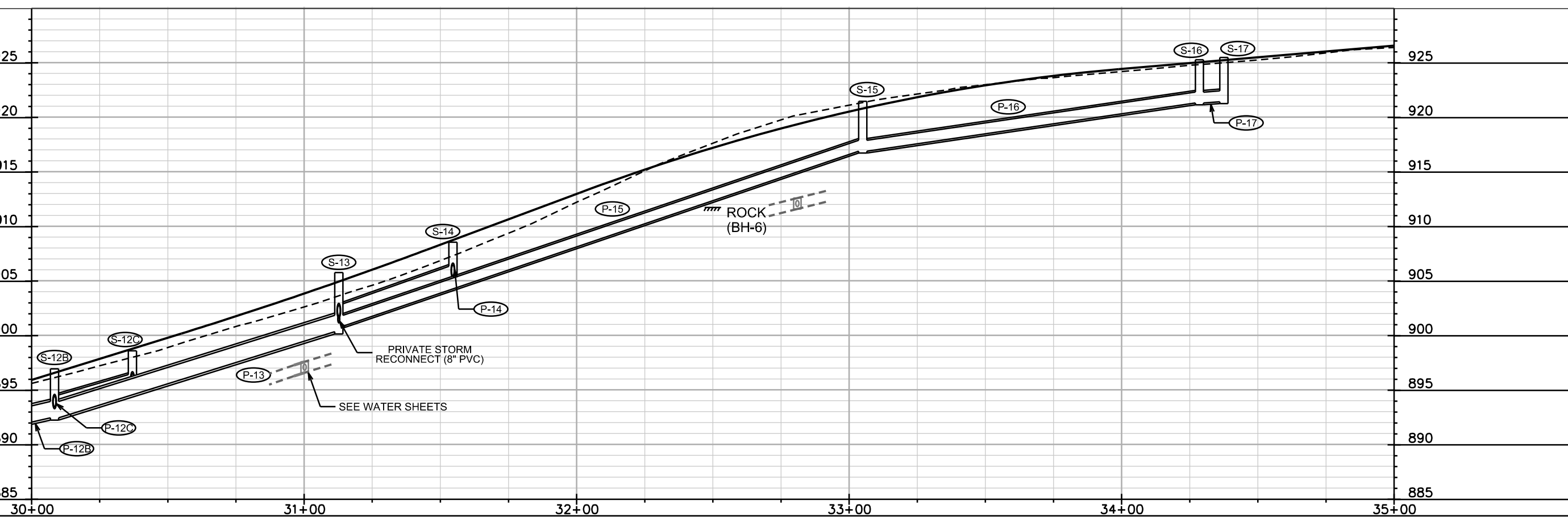
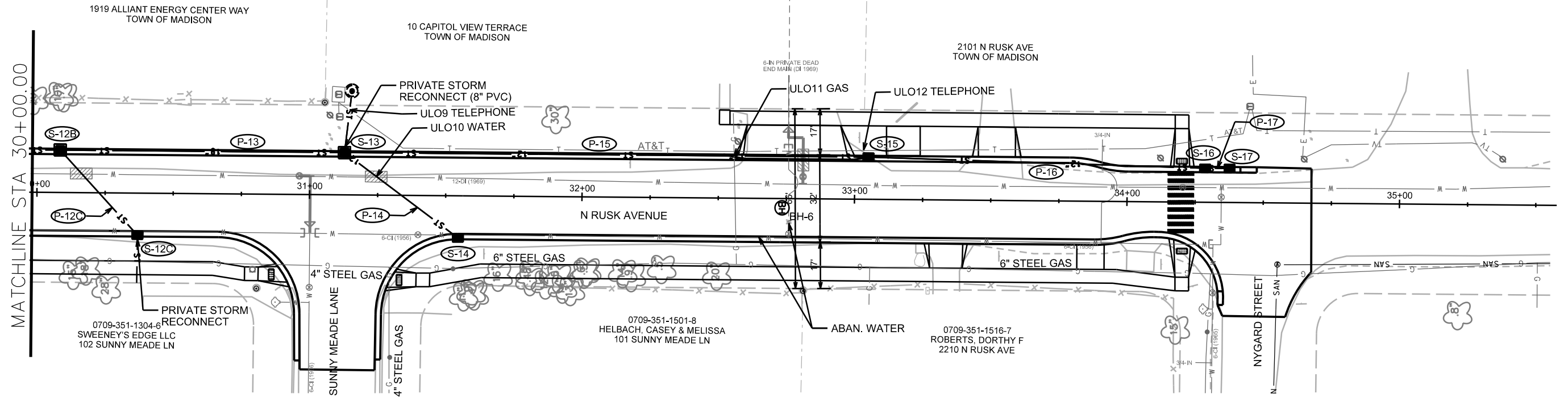
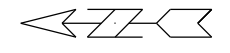
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
N RUSK STREET CITY OF MADISON

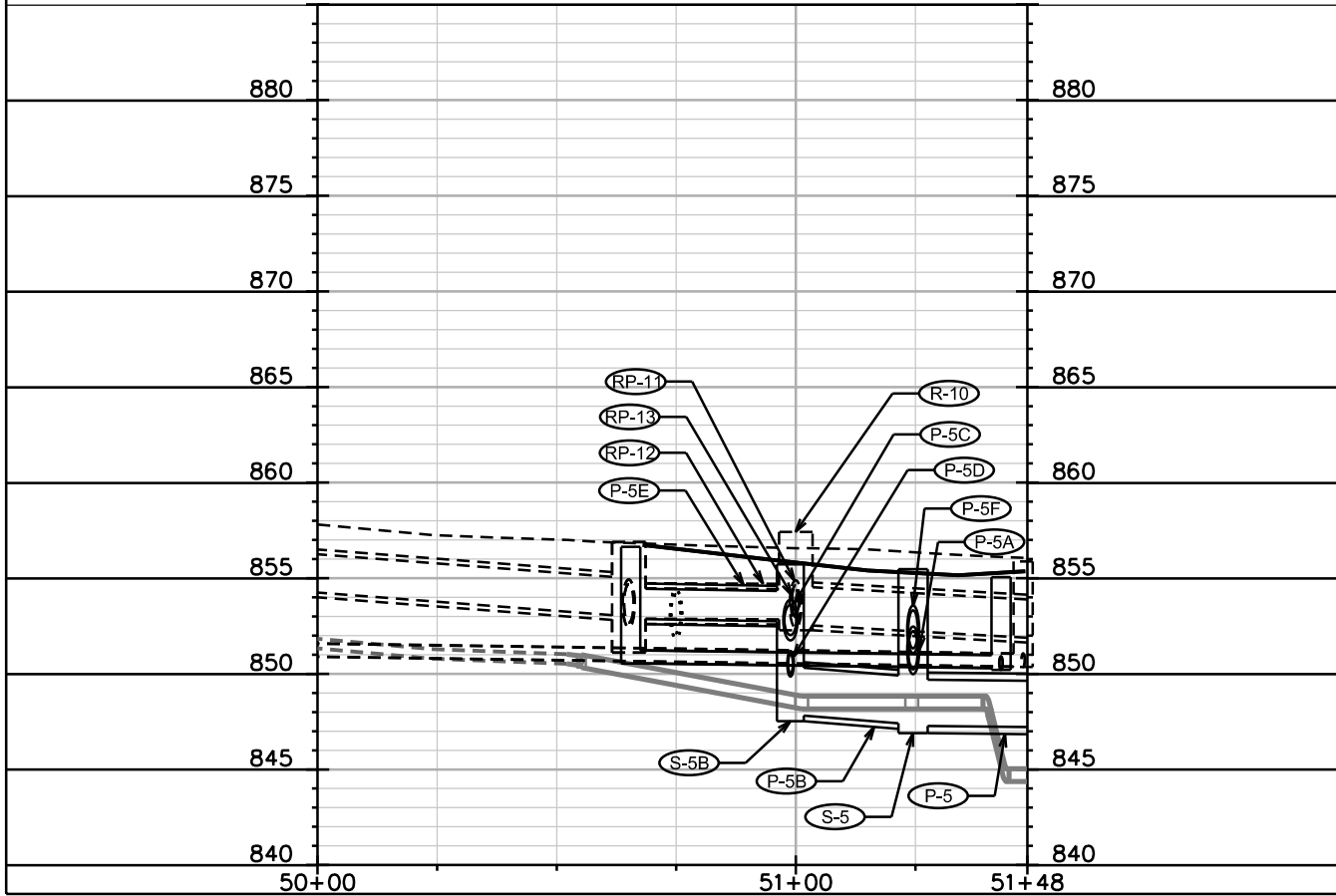
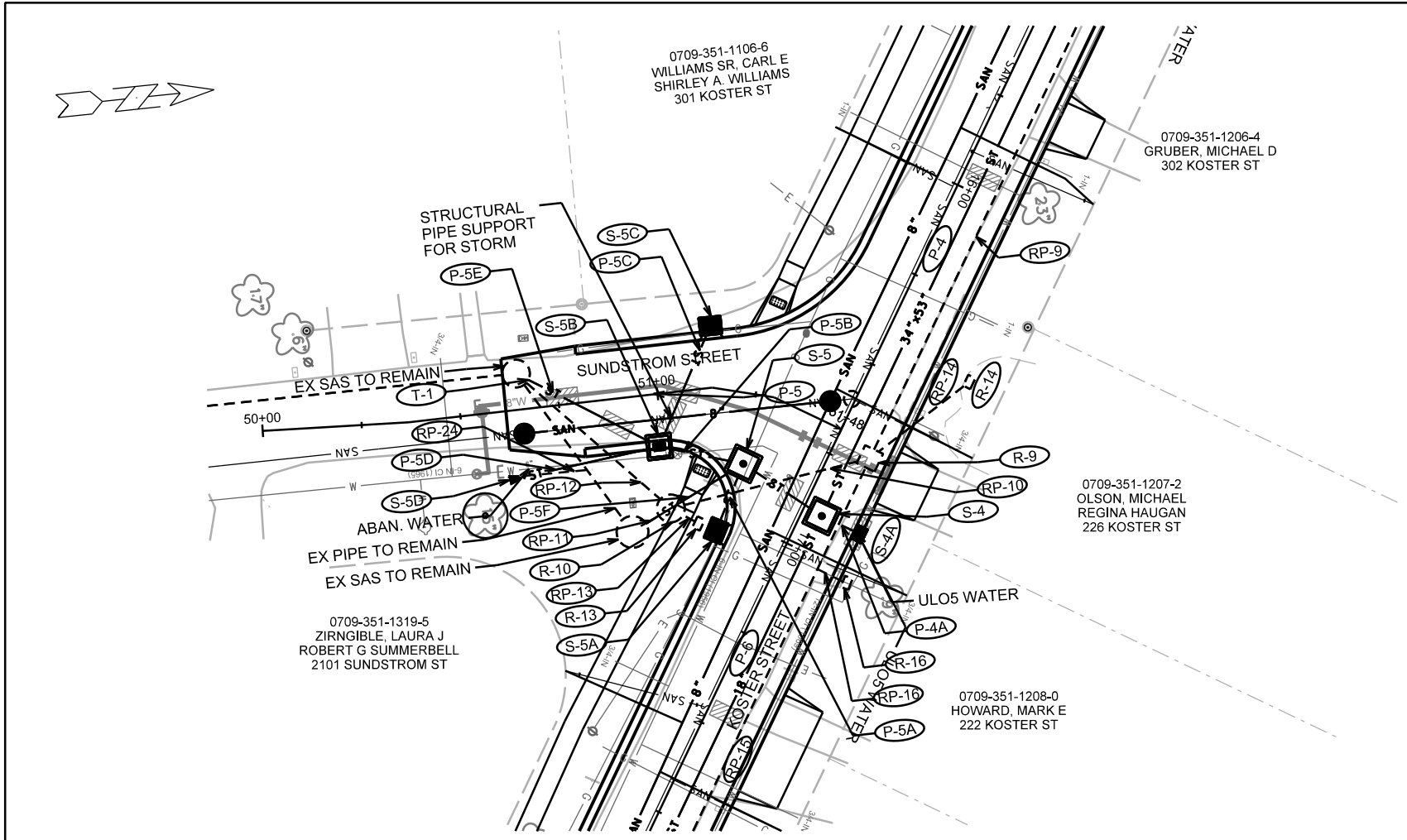


PLOT SCALE: _____
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
SUNDSTROM STREET CITY OF MADISON



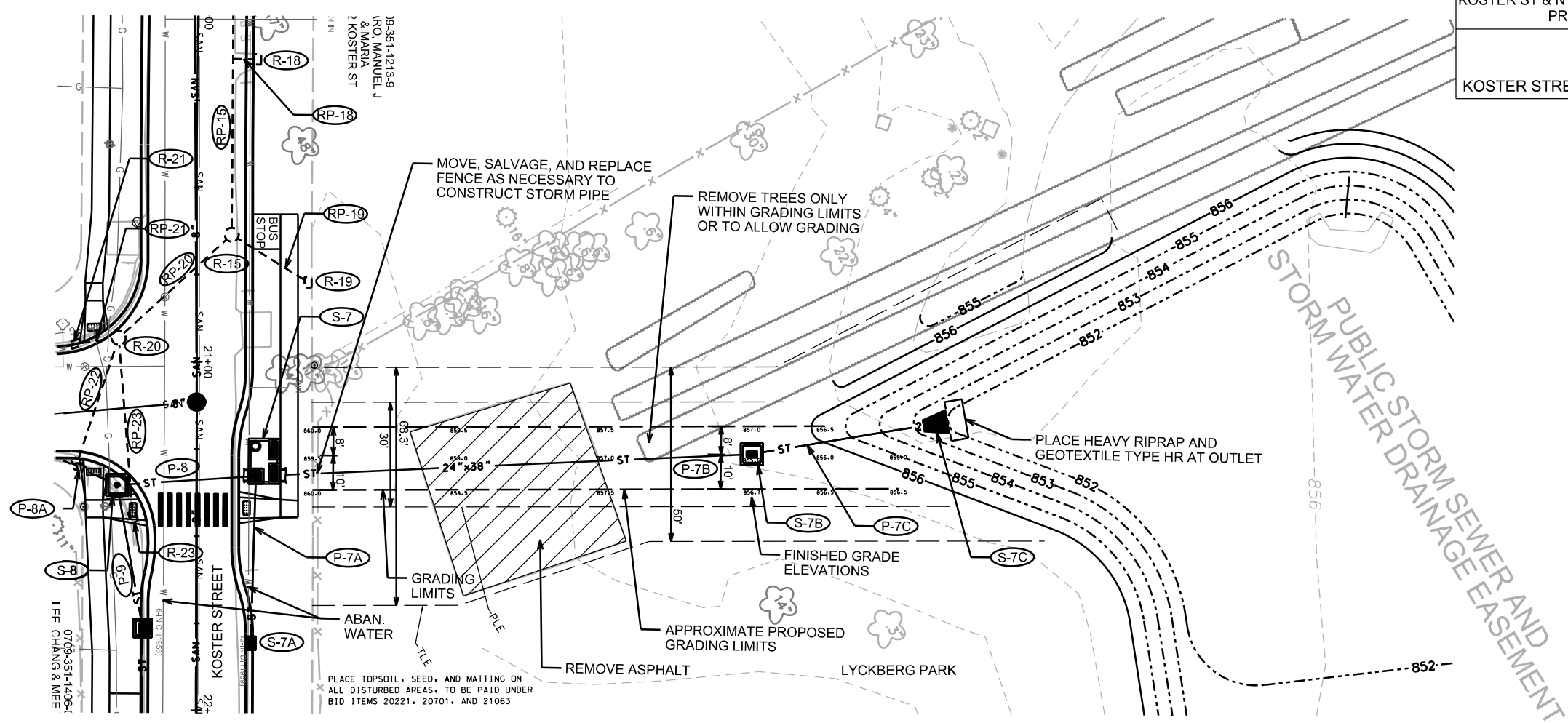
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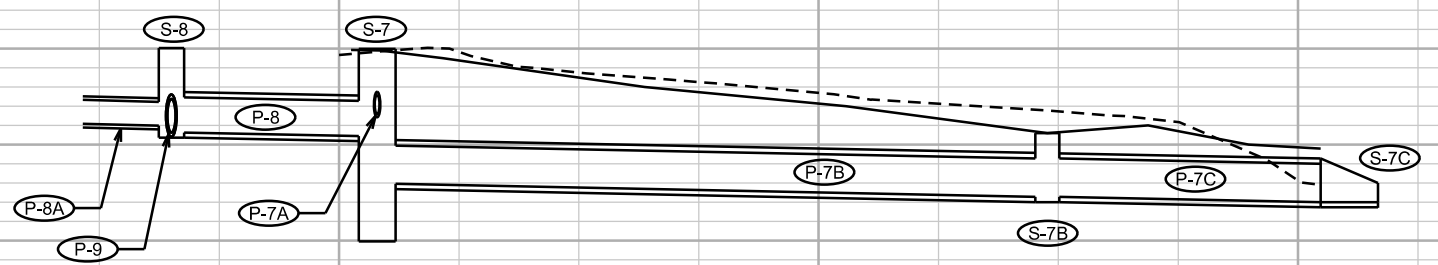
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
KOSTER STREET CITY OF MADISON



875
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
N. RUSK AVENUE							
S-12	28+78.53	LT-15.50	3X3 SAS W/ H	888.90	884.87	4.03	w/ R-3067-7004-V; FP
S-12A	29+00.00	RT-15.50	H INLET	889.85	886.77	3.08	w/ R-3067-7004-V
S-12B	30+08.42	LT-15.50	3X3 SAS W/ H	896.93	892.43	4.50	w/ R-3067-7004-V
S-12C	30+37.00	RT-15.50	H INLET	898.58	895.50	3.08	w/ R-3067-7004-V
S-13	31+12.70	LT-15.50	3X3 SAS W/ H	905.76	900.33	5.43	w/ R-3067-7004-V
S-14	31+54.60	LT-15.50	H INLET	908.40	905.32	3.08	w/ R-3067-7004-V
S-15	33+05.00	RT-15.50	H INLET	921.45	916.88	4.57	w/ R-3067-7004-V
S-16	34+28.50	LT-12.50	H INLET	925.25	921.29	3.96	w/ R-3067-7004-V
S-17	34+37.50	LT-12.50	H INLET	925.48	921.41	4.07	w/ R-3067-7004-V

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
N. RUSK AVENUE										
P-12	S-11	S-12	876.81	884.87	268.3	264.8	3.04%	18"	TYPE I	-
P-12A	S-12	S-12A	885.87	886.77	42.1	38.7	2.33%	12"	TYPE I	-
P-12B	S-12	S-12B	884.87	892.43	136.9	133.9	5.65%	18"	TYPE I	-
P-12C	S-12B	S-12C	893.43	895.50	42.2	38.8	5.34%	12"	TYPE I	-
P-13	S-12B	S-13	892.43	900.33	104.3	101.3	7.80%	18"	TYPE I	-
P-14	S-13	S-14	901.76	905.32	52.1	48.6	7.33%	12"	TYPE I	-
P-15	S-13	S-15	900.83	916.88	192.3	189.3	8.48%	12"	TYPE I	-
P-16	S-15	S-16	916.88	921.29	123.6	120.6	3.66%	12"	TYPE I	-
P-17	S-16	S-17	921.29	921.41	9.0	6.0	2.00%	12"	TYPE I	-

EXISTING STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
BRAM STREET							
EX-1	11+14.25	RT-71.11	H INLET	857.05	850.50	6.55	-
EX-2	10+71.95	RT-22.97	H INLET	853.88	847.00	6.88	-

EXISTING STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PIPE LENGTH	SLOPE (%)	PIPE SIZE	TYPE	NOTES
BRAM STREET									
EX-1	S-0	EX-1	850.30	850.50	45.0	0.44%	30"	RCP	[1]
EX-2	S-0	EX-2	846.39	847.00	36.1	1.69%	15"	RCP	[1]

SUNDSTROM STREET

EX TO 5062-029	51+00.07	RT-33.85	TREATMENT DEVICE	857.94	845.27	12.67	-
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SUNDSTROM STREET

EX-3	EX TO 5062-029	EX TO 5062-031	851.08	852.66	42.0	3.76%	24"	RCP	[2]
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STORM STRUCTURE TAP/FIELD CORE

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
KOSTER STREET							
S-2B	13+05.00	RT-16.00	TYPE II	853.28	846.20	7.08	PRIVATE RECONNECT, TYPE 2 - 4" PVC
S-6A	18+66.00	RT-16.00	H INLET	857.47	854.22	3.25	PRIVATE RECONNECT, TYPE 2 - 4" PVC
SUNDSTROM STREET							
EX TO 5062-031	50+65.13	LT-9.12	6X6 AS	856.87	852.66	4.21	24" RCP
N. RUSK AVENUE							
S-12C	30+37.00	RT-16.00	H INLET	898.95	895.22	3.73	PRIVATE RECONNECT, TYPE 2 - 4" PVC
S-13	31+12.70	LT-16.00	3X3 SAS W/ H	905.10	900.33	4.77	PRIVATE RECONNECT, TYPE 2 - 12" PVC

UTILITY LINE OPENINGS (ULO)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
ULO1	10+06.96	RT-36.16	STORM	-	-
ULO2	11+13.41	RT-16.99	SANITARY	-	-
ULO2.5	11+67.08	LT-6.07	TELEPHONE	-	-
ULO3	13+05.00	RT-17.75	WATER	-	-
ULO4	15+00.00	LT-15.50	WATER	-	-
ULO5	16+90.00	LT-15.50	WATER	-	-
ULO6	18+66.00	RT-15.50	WATER	-	-
ULO7	24+88.00	LT-15.50	WATER	-	-
ULO8	25+89.36	RT-0.52	WATER	-	-
ULO9	31+14.53	LT-31.15	TELEPHONE	-	-
ULO10	31+24.54	LT-6.78	WATER	-	-
ULO11	32+55.74	LT-15.51	GAS	-	-
ULO12	33+05.00	RT-15.50	TELEPHONE	-	-

SPECIFIC NOTES

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 MATT OF CITY ENGINEERING AT (608) 266-4058 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO MALLIE@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	
KOSTER STREET					
R-0	AS 5061-014	10+65.46	RT-64.55	SAS	-
R-1	IN 5062-036	11+23.75	RT-10.38	INLET	-
R-2	IN 5062-035	10+97.00	RT-28.36	INLET	-
R-4	AS 5062-002	12+89.08	LT-10.25	SAS	-
R-5	IN 5062-038	12+89.08	LT-23.49	INLET	-
R-6	33335-A	12+52.29	LT-21.25	CATCHBASIN INLET	-
R-7	IN 5062-010	12+83.23	RT-19.03	INLET	-
R-8	IN 5062-009	13+05.32	RT-18.85	INLET	-
R-9	AS 5062-006	16+71.62	LT-9.64	SAS	-
R-10	TO 5062-027	17+04.65	RT-30.22	SAS	-
R-13	TO 5062-028	17+04.65	RT-22.23	APRON END INLET	-
R-14	IN 5062-011	16+43.60	LT-24.00	INLET	-
R-15	AS 5062-005	20+63.75	LT-10.08	SAS	-
R-16	IN 5062-023	17+02.50	LT-17.86	INLET	-
R-18	IN 5062-021	20+13.25	LT-17.17	INLET	-
R-19	IN 5062-017	20+77.36	LT-31.93	INLET	-
R-20	AS 5062-018	20+93.31	RT-22.33	SAS	-
R-21	IN 5062-014	20+95.23	RT-34.55	INLET	-
R-22	IN 5062-015	21+28.84	RT-34.18	INLET	-
R-23	IN 5062-016	21+44.79	RT-18.31	INLET	-

REMOVE STORM PIPES

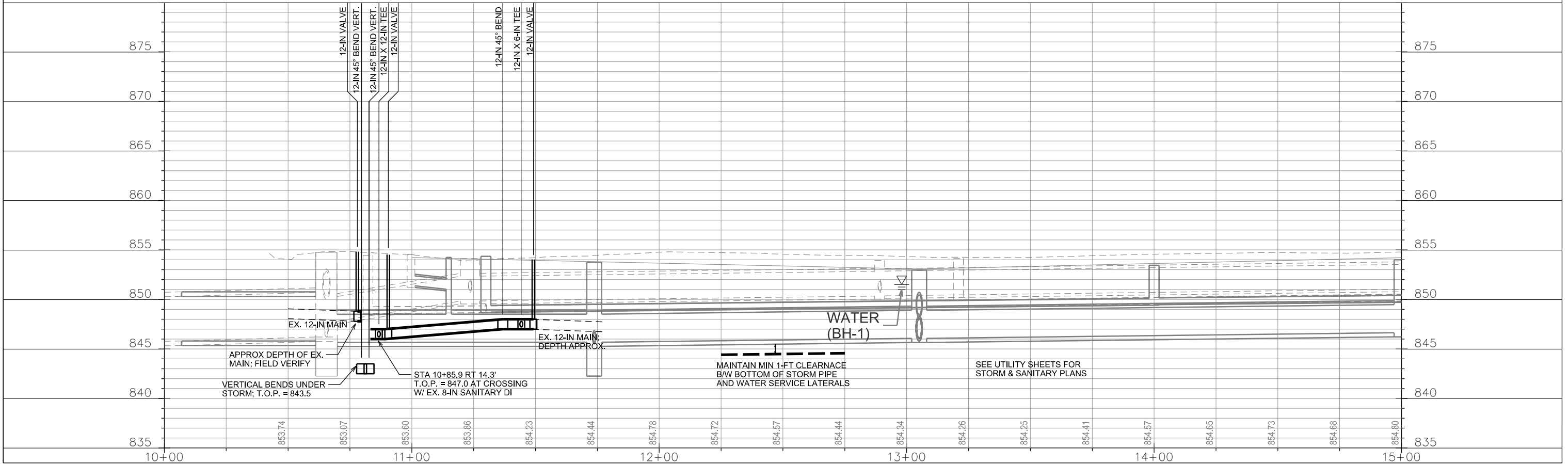
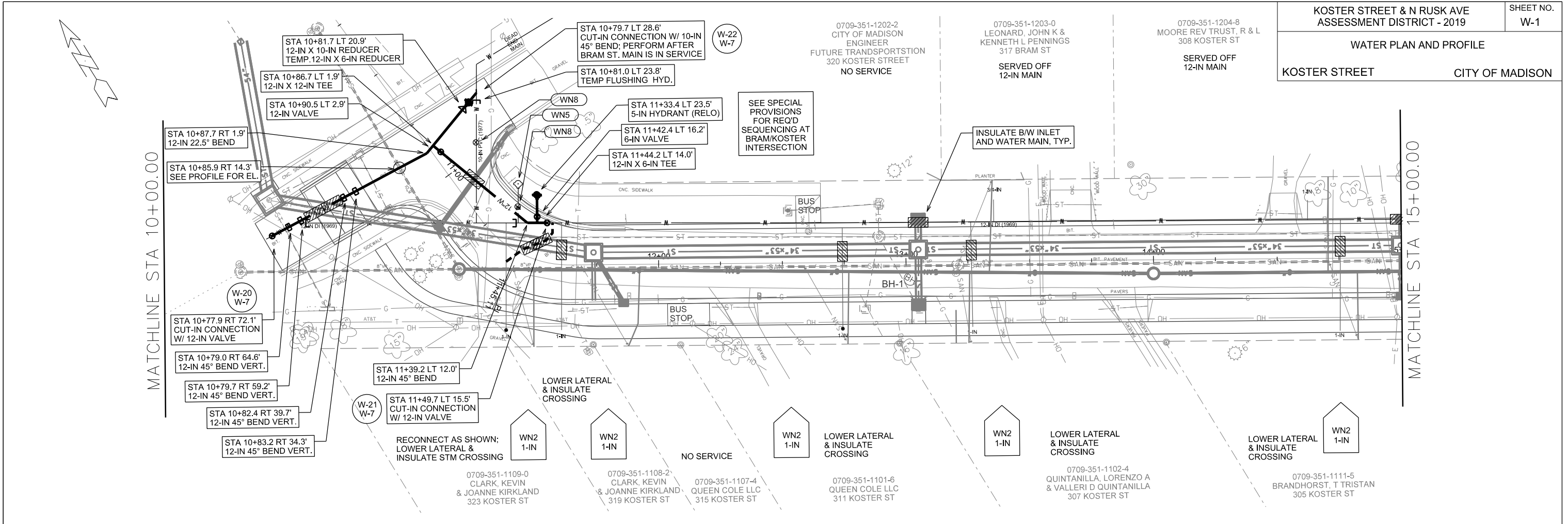
REMOVE NO.	REMOVE FROM	REMOVE TO	PLAN LGTH (FT)	PAID (Y/N)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
KOSTER STREET								
* RP-0	R-0	S-0A	8	N	0	30X38	CMPA	-
RP-1	R-0	R-1	79.6	N	0	30"	RCP	-
RP-2	IN 5061-015	R-2	25.5	Y	26	12"	RCP	-
RP-3	AS 5062-037	R-1	48.0	Y	48	12"	RCP	-
RP-4	R-1	R-4	168.3	Y	133	30"	RCP	-
RP-5	R-4	R-5	13.4	Y	13	12"	RCP	-
RP-6	R-5	R-6	36.7	Y	37	12"	RCP	-
RP-7	R-4	R-7	29.8	Y	21	12"	RCP	-
RP-8	R-4	R-8	33.4	Y	24	12"	RCP	-
RP-9	R-4	R-9	382.7	Y	383	30"	VP	-
RP-10	R-9	R-10	51.7	Y	42	24"	RCP	-
RP-11	R-10	TO 5062-029	11.3	N	0	24"	RCP	-
RP-12	R-10	TO 5062-031	51.7	Y	39	19X30	HERCP	-
RP-13	R-10	R-13	8.0	Y	8	15"	RCP	-
RP-14	R-9	R-14	31.6	Y	32	12"	RCP	-
RP-15	R-9	R-15	391.9	Y	392	30"	RCP	-
RP-16	TAP	R-16	8.2	Y	8	12"	RCP	-
RP-18	TAP	R-18	7.1	Y	7	12"	RCP	-
RP-19	R-15	R-19	25.8	Y	26	12"	RCP	-
RP-20	R-15	R-20	43.9	Y	44	21"	RCP	-
RP-21	R-20	R-21	12.5	Y	13	12"	RCP	-
RP-22	R-20	R-22	37.5	Y	38	12"	RCP	-
RP-23	R-20	R-23	51.6	Y	46	12"	RCP	-
RP-24			22.0	N	22.0	8"	CI	-
DRIVEWAYS								
317 BRAM ST.			24	Y	24		CMP	-
319 KOSTER ST.			24	Y	24		CMP	-
315 KOSTER ST.			20	Y	20		CMP	-
311 KOSTER ST.			18	Y	18		CMP	-
308 KOSTER ST.			19	Y	19		CMP	-
307 KOSTER ST.			24	Y	24		CMP	-
305 KOSTER ST.			16	Y	16		CMP	-
301 KOSTER ST.			16	Y	16		CMP	-
117 KOSTER ST.			16	Y	16		CMP	-
109 KOSTER ST.			15	Y	15		CMP	-
101 ARDMORE DR.			43	Y	43		CMP	-

STANDARD NOTES:

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SPECIFIC NOTES

*7/5/19 MAA REVISION:
EXISTING INLET AND PIPE AT 214 KOSTER TO REMAIN; NO REMOVAL, CONNECT TO S-6A



PLOT SCALE: _____

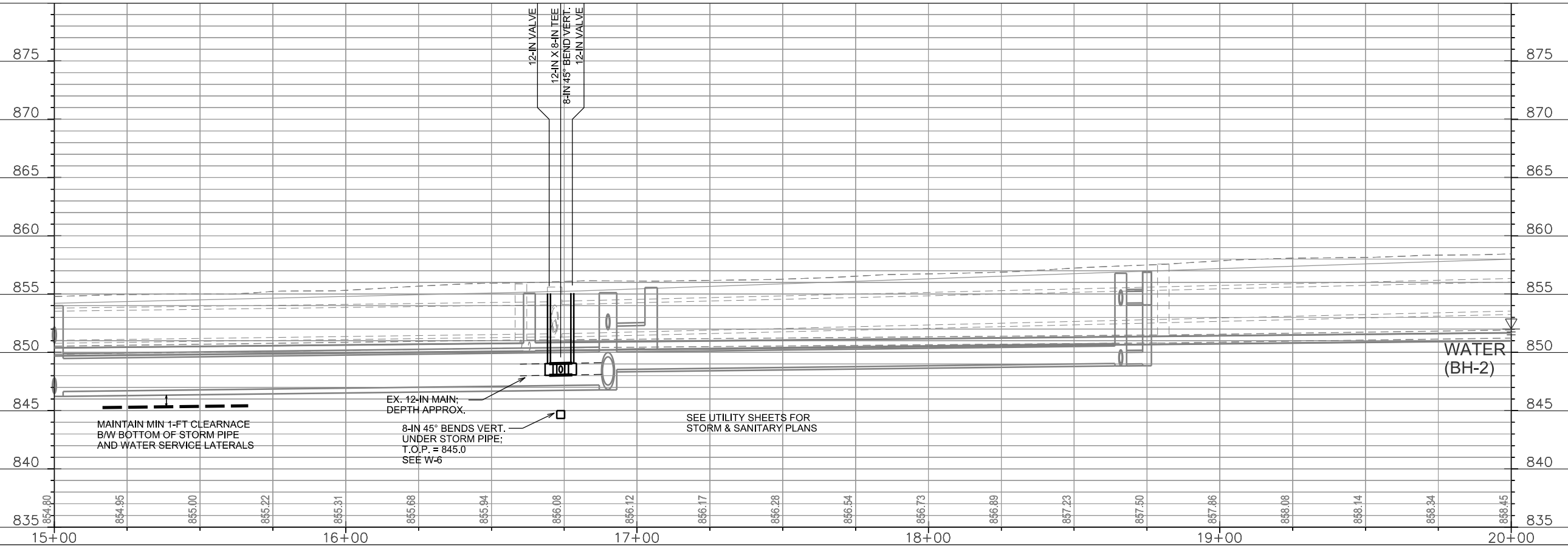
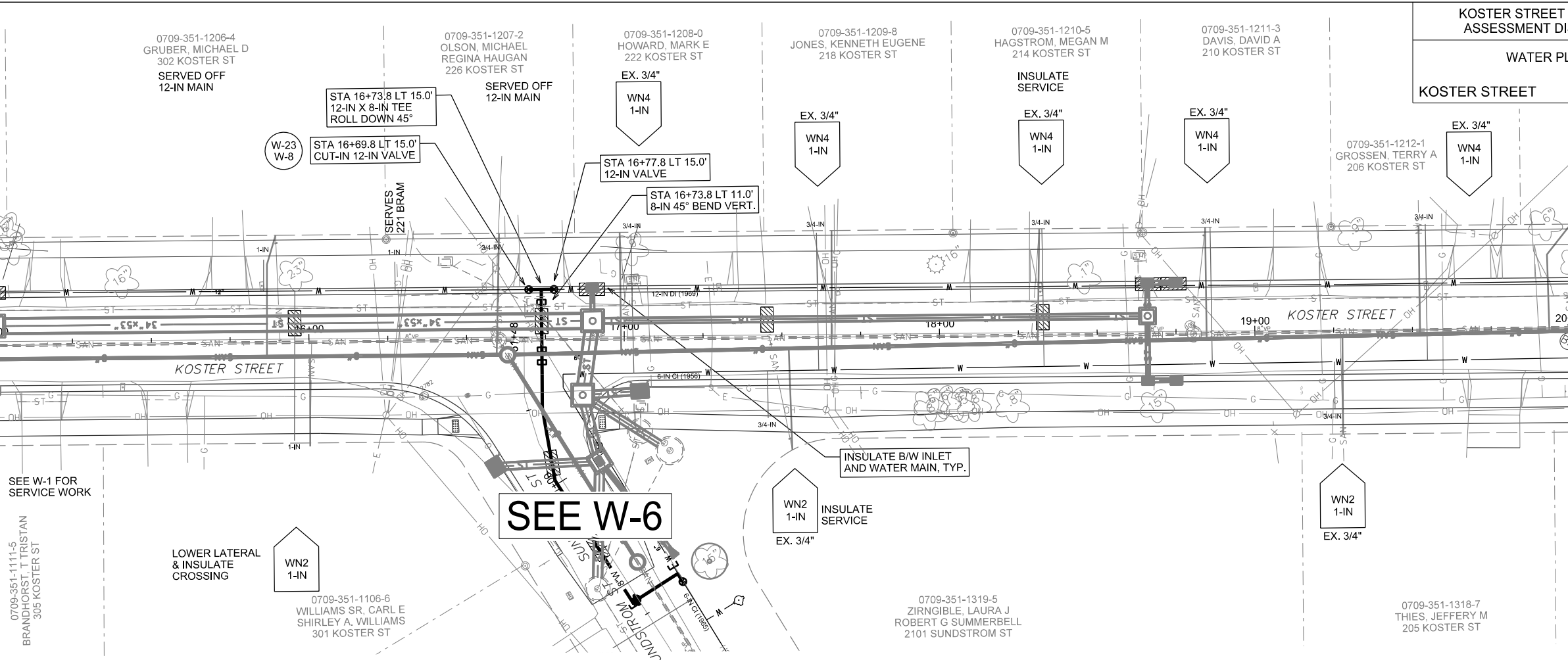
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

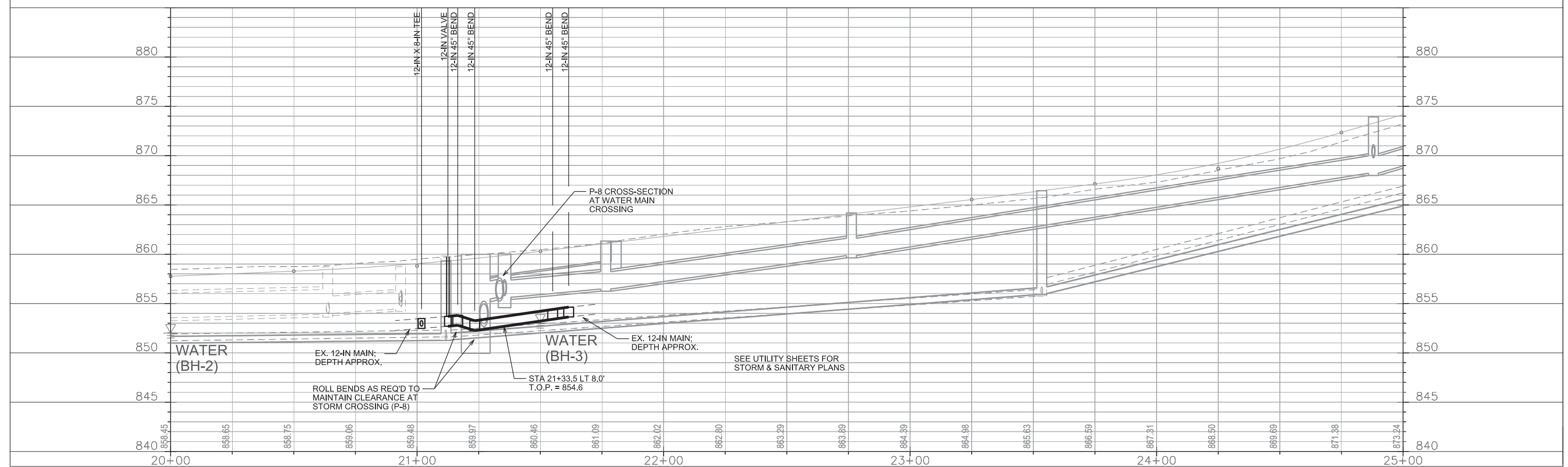
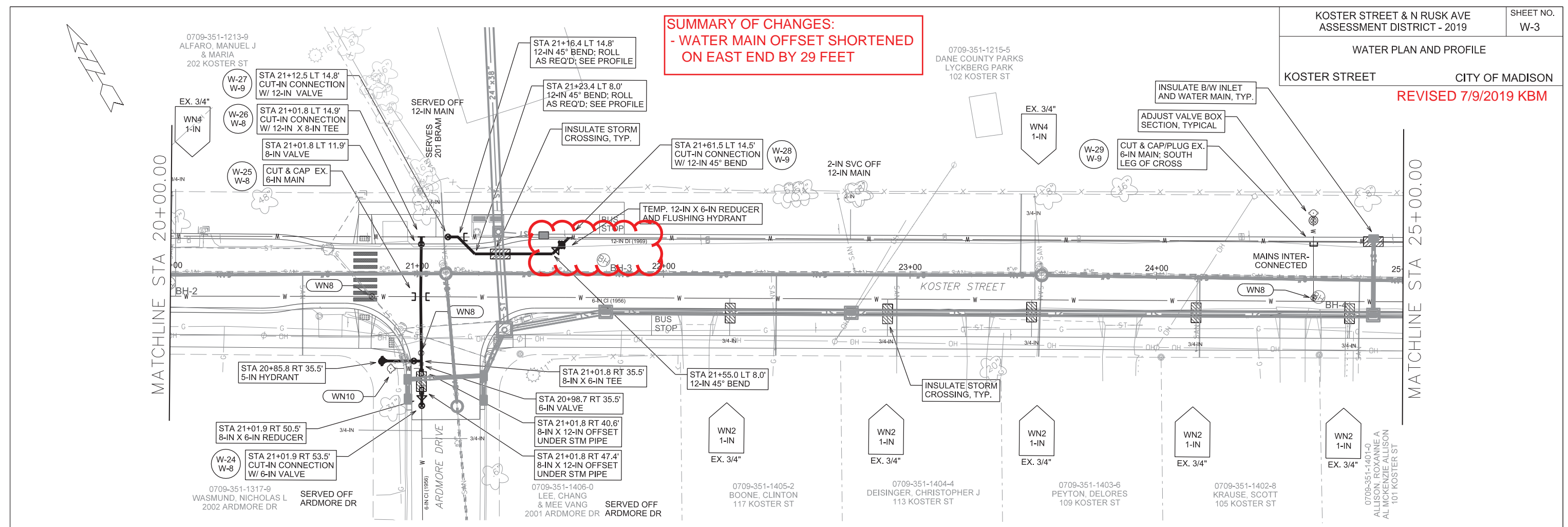
MATCHLINE STA 15+00.00

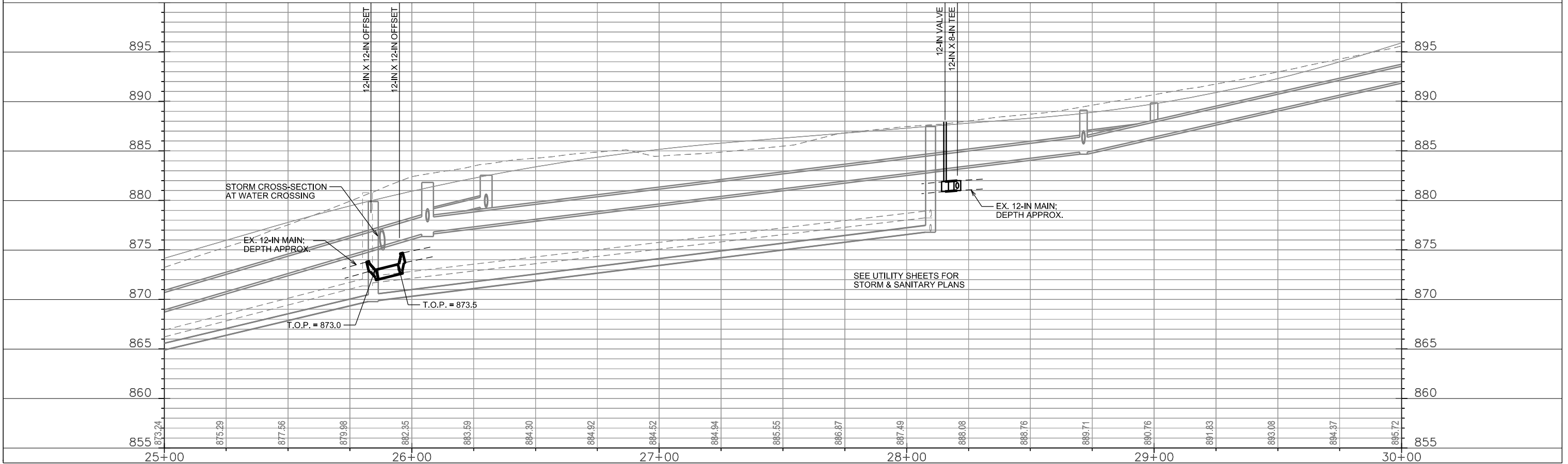
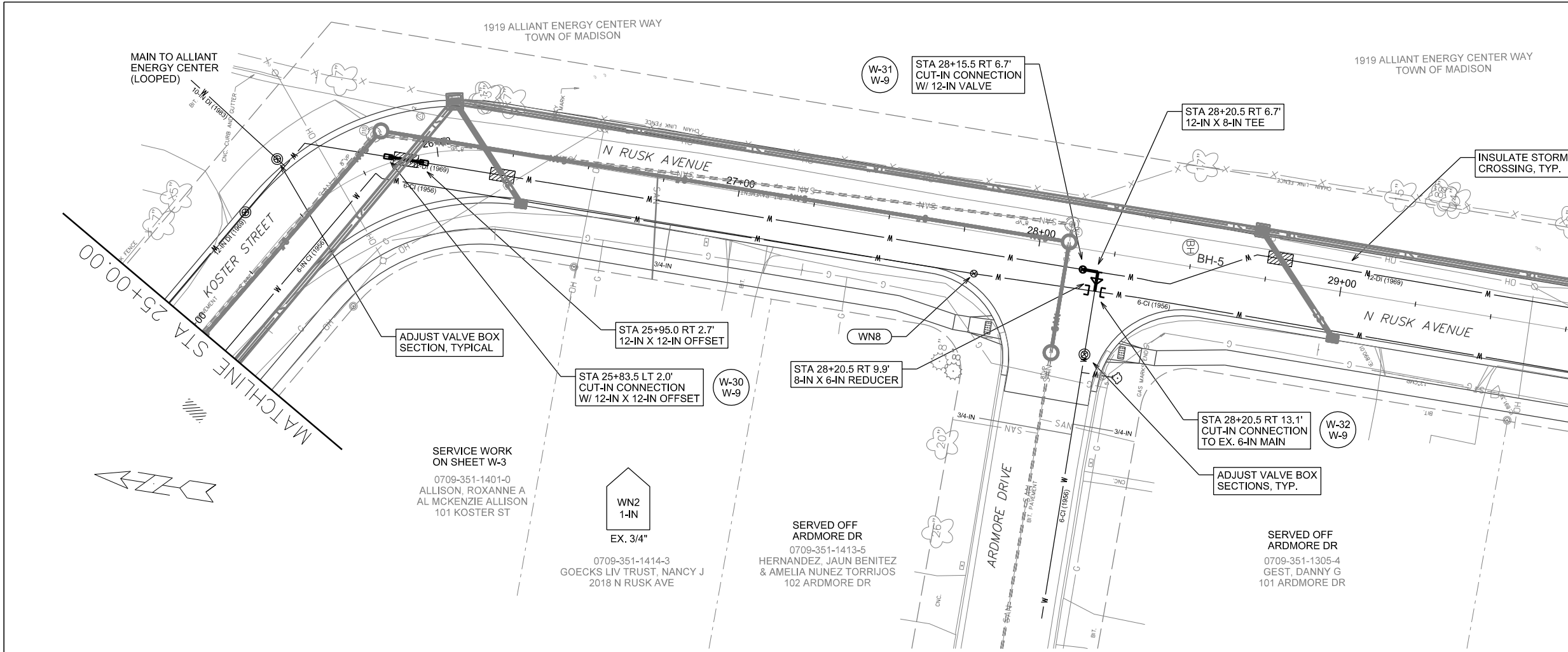
MATCHLINE STA 20+00.00



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

SUMMARY OF CHANGES:
- WATER MAIN OFFSET SHORTENED
ON EAST END BY 29 FEET



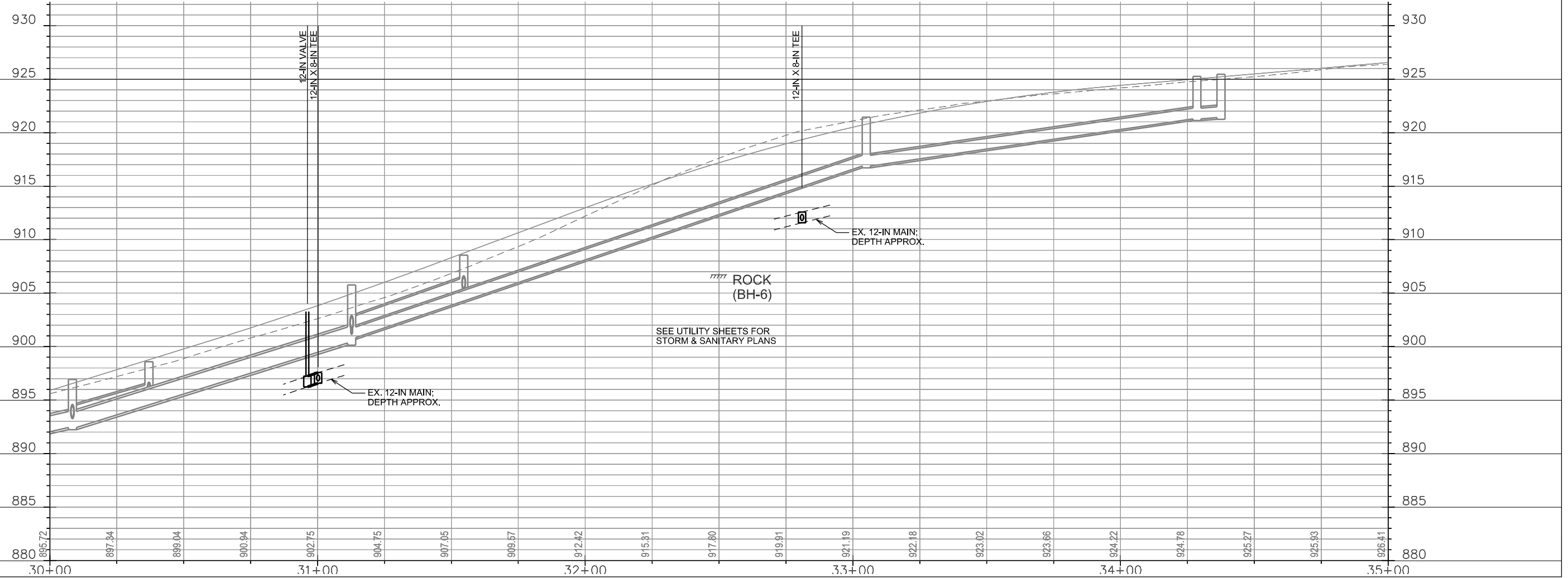
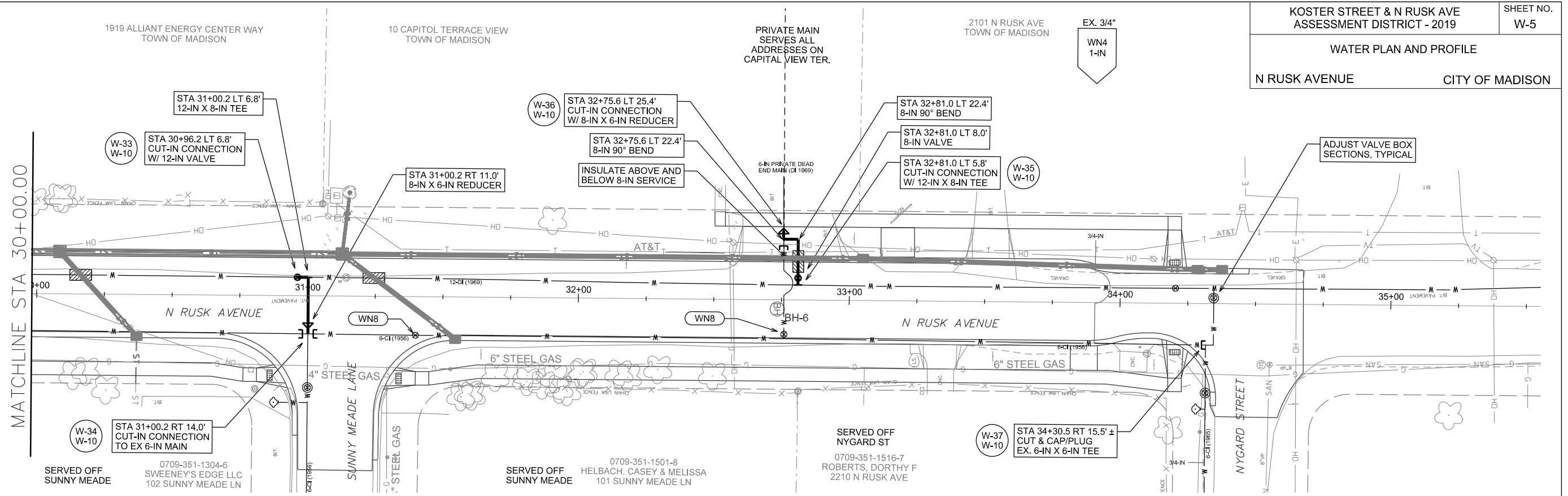


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

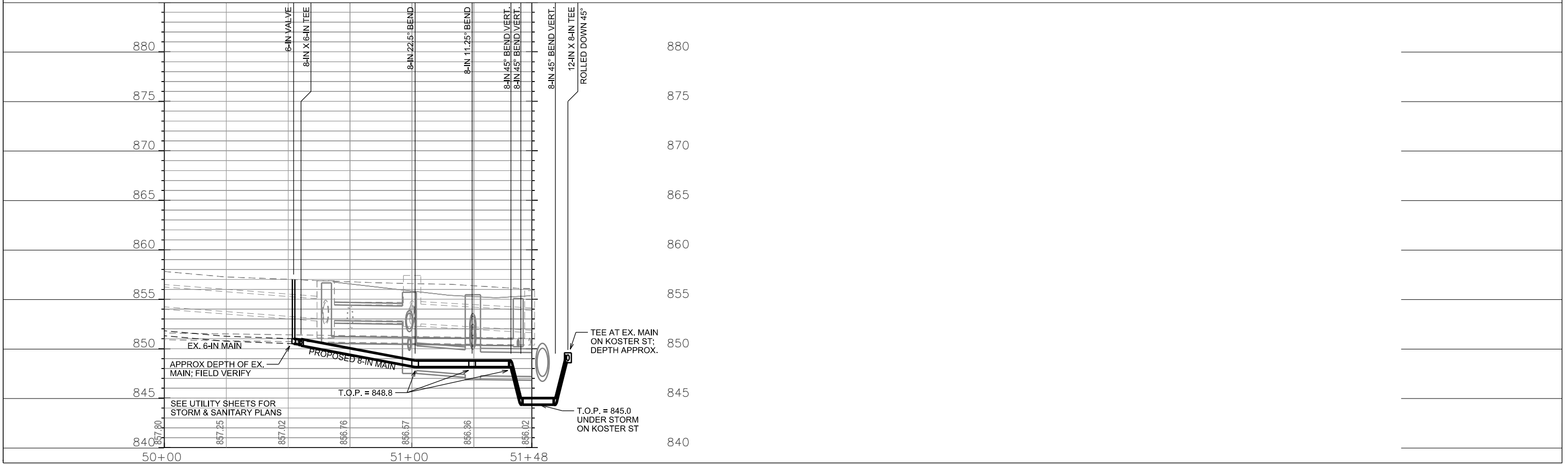
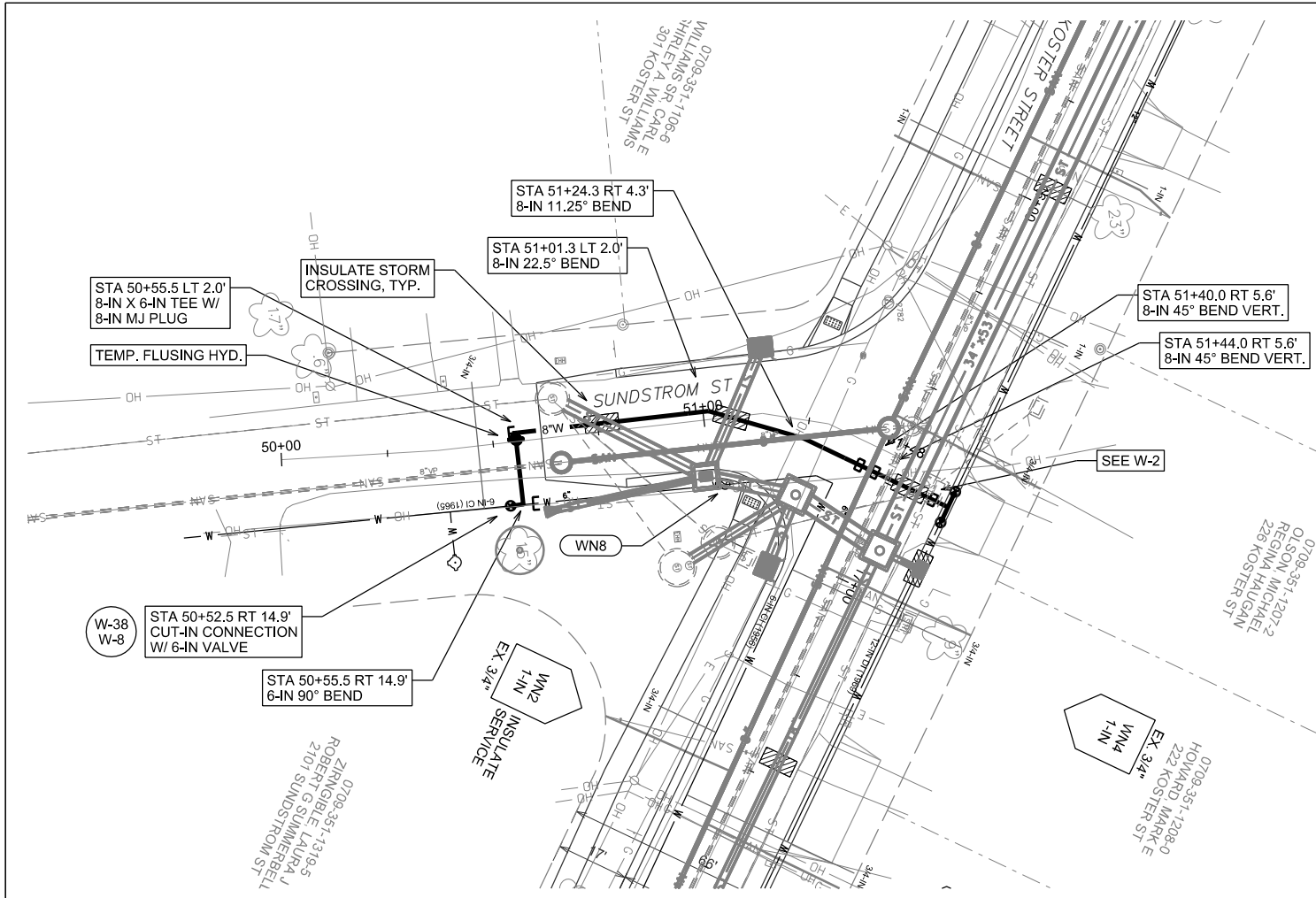


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

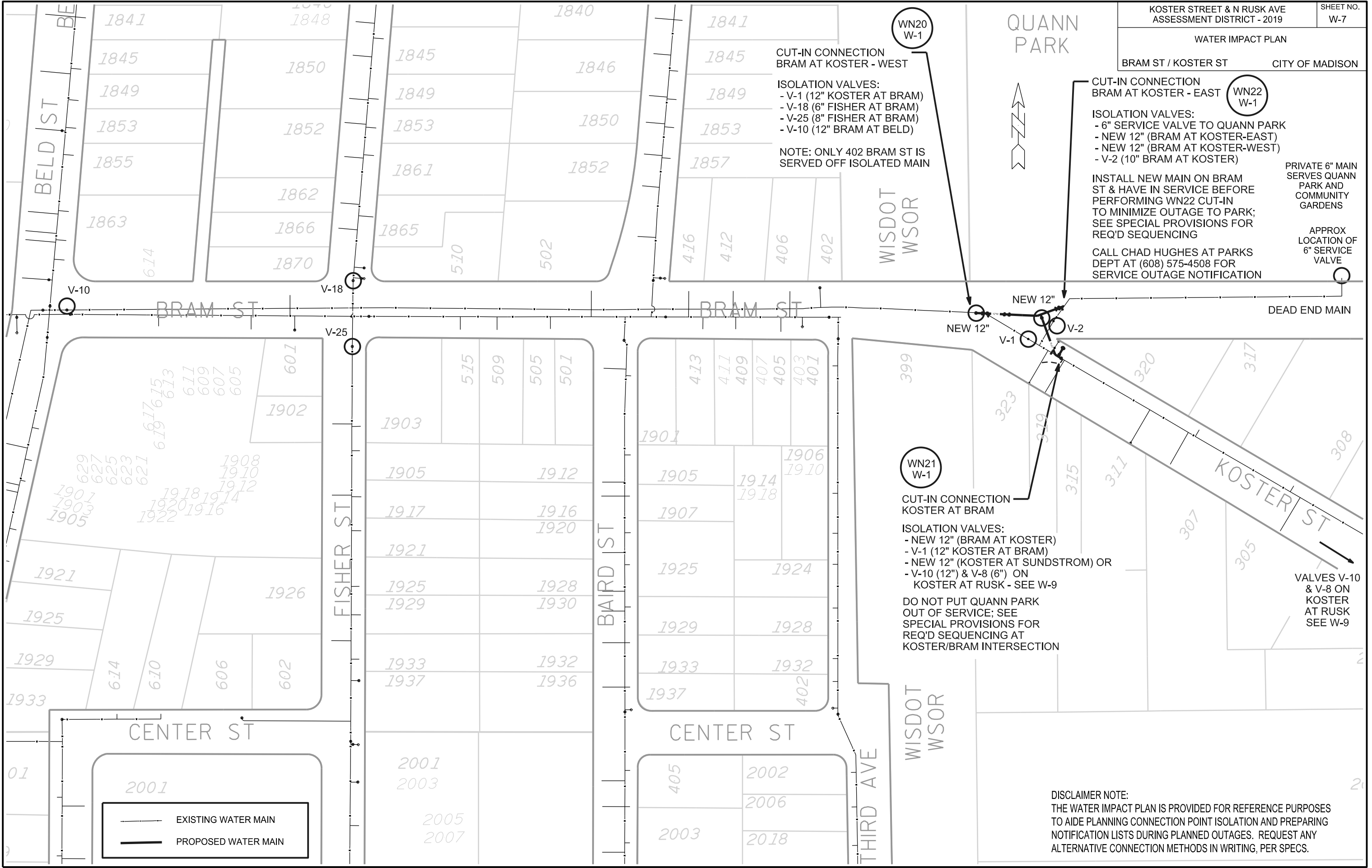


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



— EXISTING WATER MAIN
— PROPOSED WATER MAIN

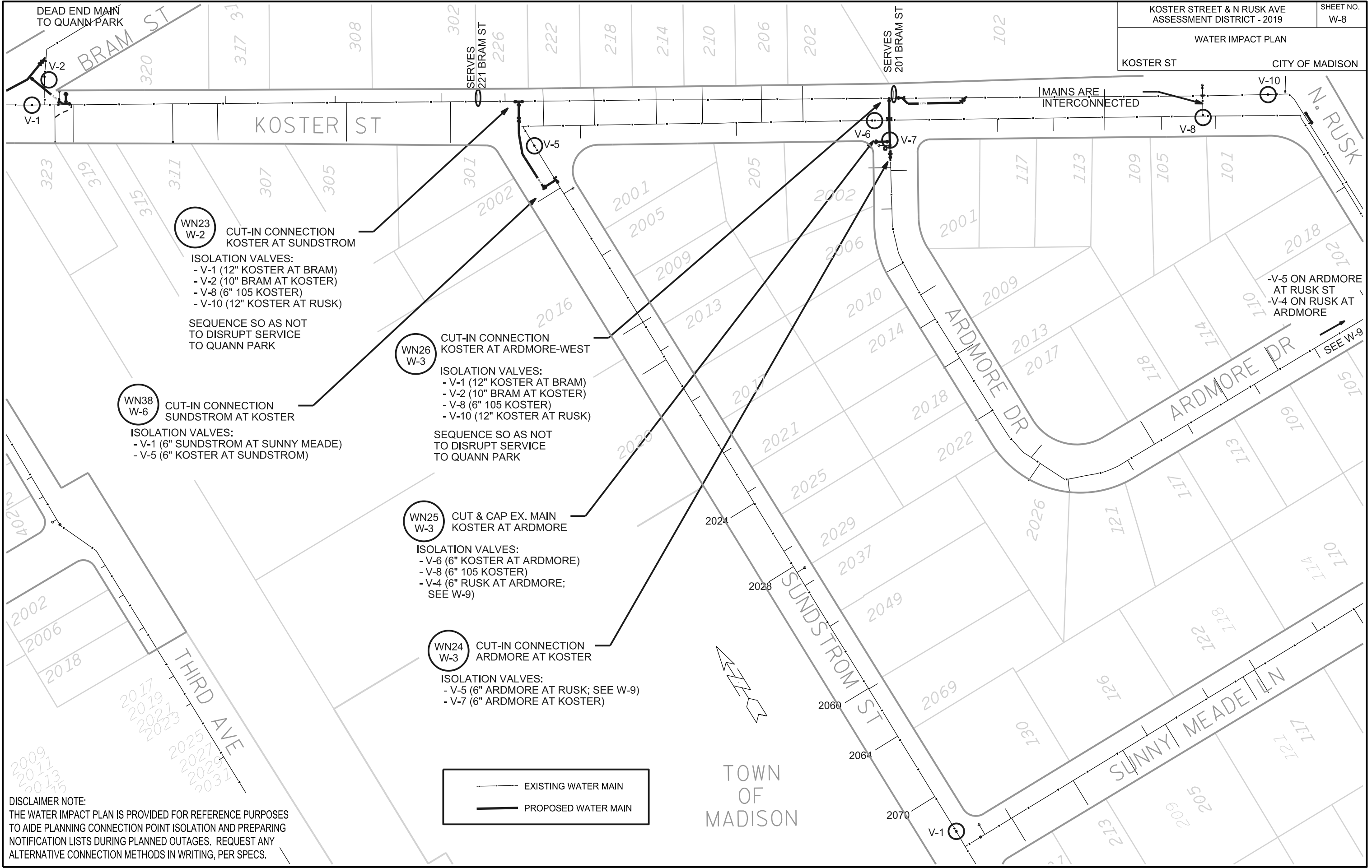
DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**WN23
W-2** CUT-IN CONNECTION
KOSTER AT SUNDSTROM

ISOLATION VALVES:
 - V-1 (12" KOSTER AT BRAM)
 - V-2 (10" BRAM AT KOSTER)
 - V-8 (6" 105 KOSTER)
 - V-10 (12" KOSTER AT RUSK)

SEQUENCE SO AS NOT
TO DISRUPT SERVICE
TO QUANN PARK

**WN26
W-3** CUT-IN CONNECTION
KOSTER AT ARDMORE-WEST

ISOLATION VALVES:
 - V-1 (12" KOSTER AT BRAM)
 - V-2 (10" BRAM AT KOSTER)
 - V-8 (6" 105 KOSTER)
 - V-10 (12" KOSTER AT RUSK)

SEQUENCE SO AS NOT
TO DISRUPT SERVICE
TO QUANN PARK

**WN38
W-6** CUT-IN CONNECTION
SUNDSTROM AT KOSTER

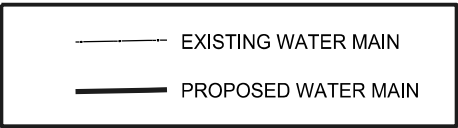
ISOLATION VALVES:
 - V-1 (6" SUNDSTROM AT SUNNY MEADE)
 - V-5 (6" KOSTER AT SUNDSTROM)

**WN25
W-3** CUT & CAP EX. MAIN
KOSTER AT ARDMORE

ISOLATION VALVES:
 - V-6 (6" KOSTER AT ARDMORE)
 - V-8 (6" 105 KOSTER)
 - V-4 (6" RUSK AT ARDMORE;
SEE W-9)

**WN24
W-3** CUT-IN CONNECTION
ARDMORE AT KOSTER

ISOLATION VALVES:
 - V-5 (6" ARDMORE AT RUSK; SEE W-9)
 - V-7 (6" ARDMORE AT KOSTER)



DISCLAIMER NOTE:
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TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING
NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

PLOT SCALE: _____

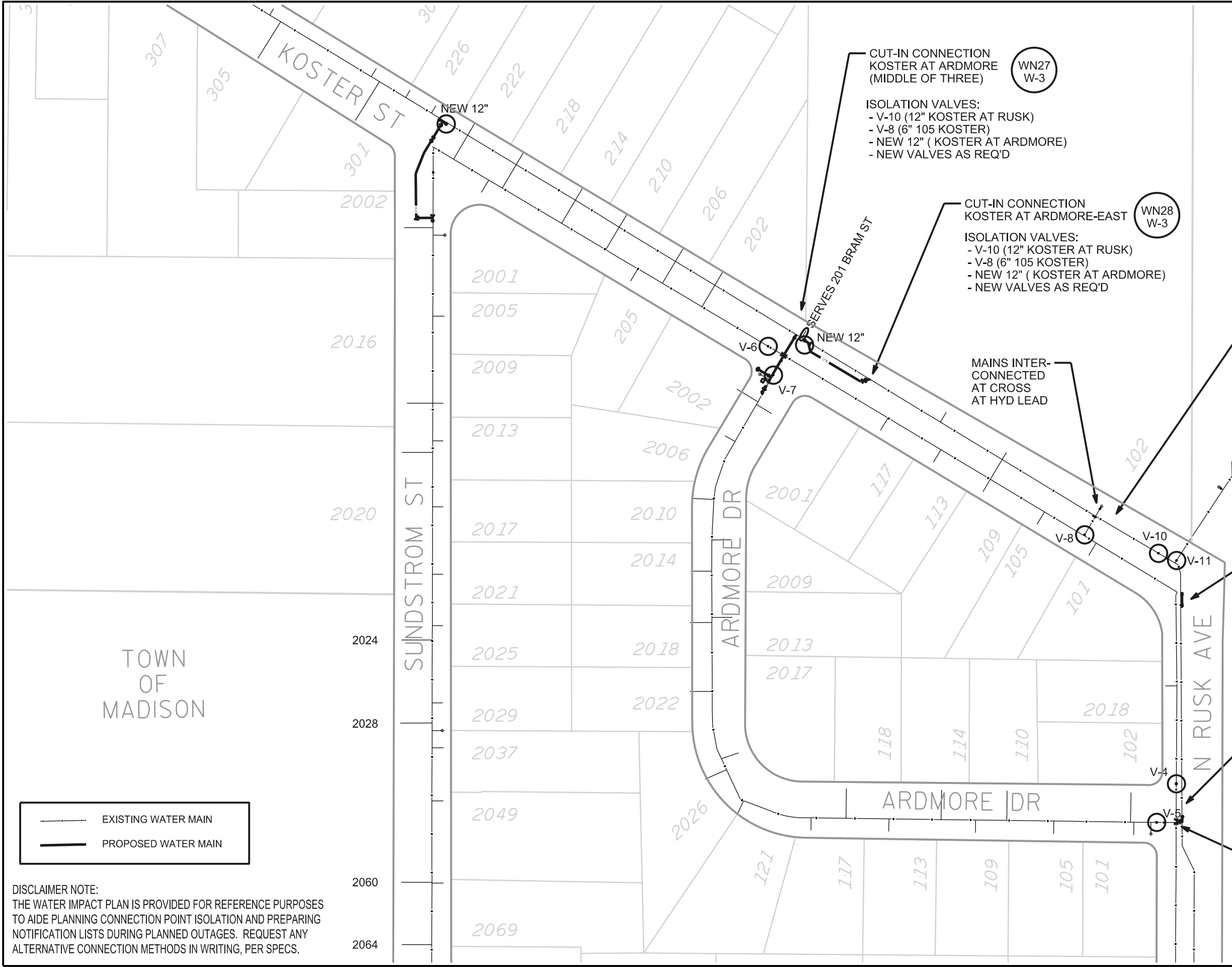
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TOWN
OF
MADISON



CUT-IN CONNECTION
KOSTER AT ARDMORE
(MIDDLE OF THREE)

WN27
W-3

ISOLATION VALVES:
- V-10 (12" KOSTER AT RUSK)
- V-8 (6" 105 KOSTER)
- NEW 12" (KOSTER AT ARDMORE)
- NEW VALVES AS REQ'D

CUT-IN CONNECTION
KOSTER AT ARDMORE-EAST

WN28
W-3

ISOLATION VALVES:
- V-10 (12" KOSTER AT RUSK)
- V-8 (6" 105 KOSTER)
- NEW 12" (KOSTER AT ARDMORE)
- NEW VALVES AS REQ'D

MAINS INTER-
CONNECTED
AT CROSS
AT HYD LEAD

CUT & CAP EX. MAIN
101 KOSTER ST

WN29
W-3

ISOLATION VALVES:
- V-10 (12" KOSTER AT RUSK)
- V-8 (6" KOSTER AT RUSK)
- NEW 12" (KOSTER AT ARDMORE)

10-IN MAIN TO ALLIANT
ENERGY CENTER (LOOPED)

CUT-IN CONNECTION
RUSK AT KOSTER

WN30
W-4

ISOLATION VALVES:
- V-10 (12" KOSTER AT RUSK)
- V-11 (10" KOSTER AT RUSK)
- V-1 (12" RUSK AT NYGARD, SEE W-10)
- AND/OR NEW VALVES IF AVAILABLE

CUT-IN CONNECTION
RUSK AT ARDMORE

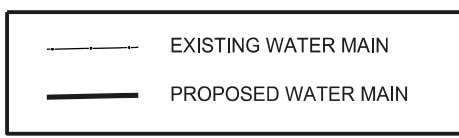
WN31
W-4

ISOLATION VALVES:
- V-10 (12" KOSTER AT RUSK)
- V-11 (10" KOSTER AT RUSK)
- V-1 (12" RUSK AT NYGARD, SEE W-10)
- AND/OR NEW VALVES IF AVAILABLE

CUT-IN CONNECTION
ARDMORE AT RUSK

WN32
W-4

ISOLATION VALVES:
- V-4 (6" RUSK AT ARDMORE)
- V-5 (6" ARDMORE AT RUSK)
- V-6 (6" SUNNY MEADE AT RUSK, SEE W-10)
- V-7 (6" RUSK AT SUNNY MEADE, SEE W-10)



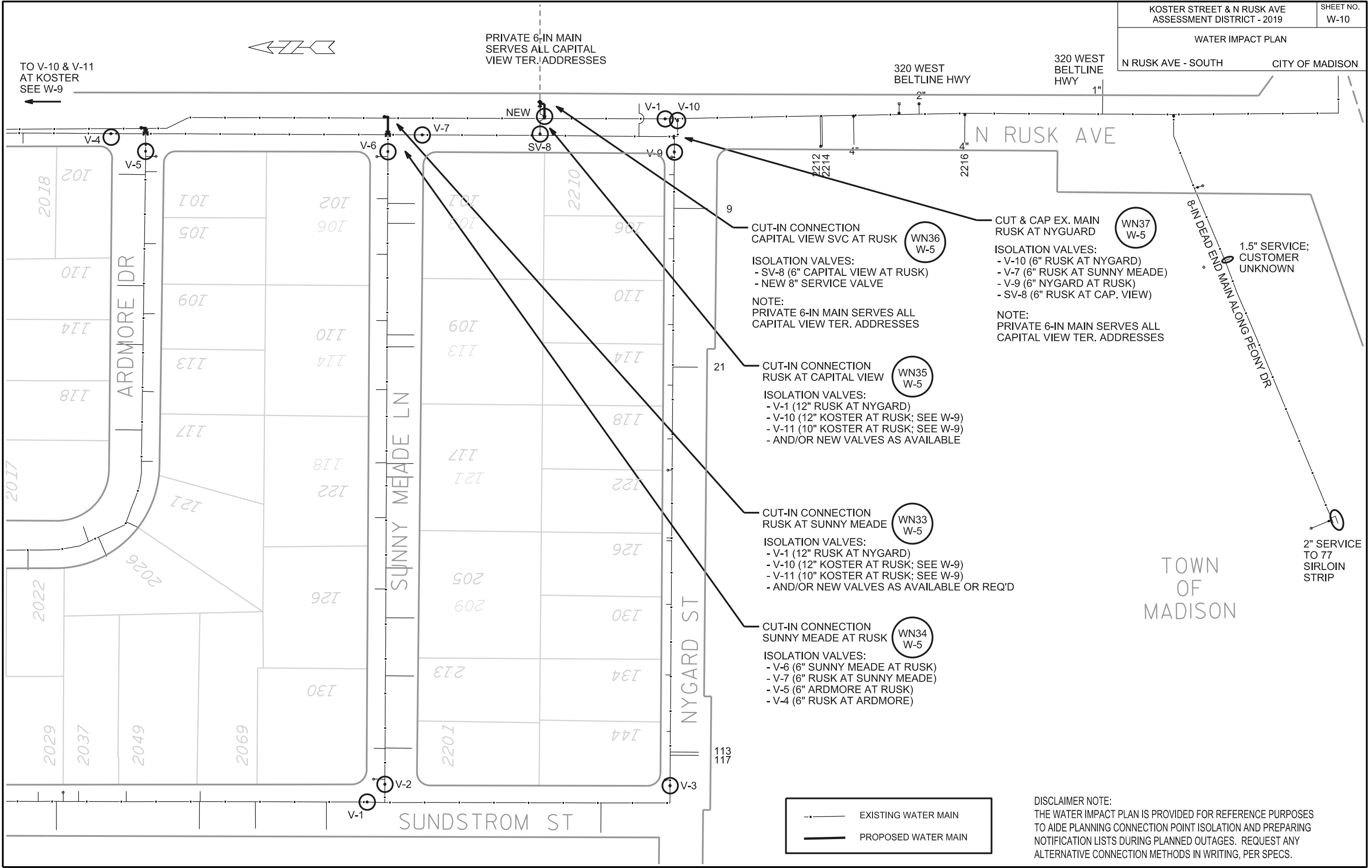
DISCLAIMER NOTE:
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



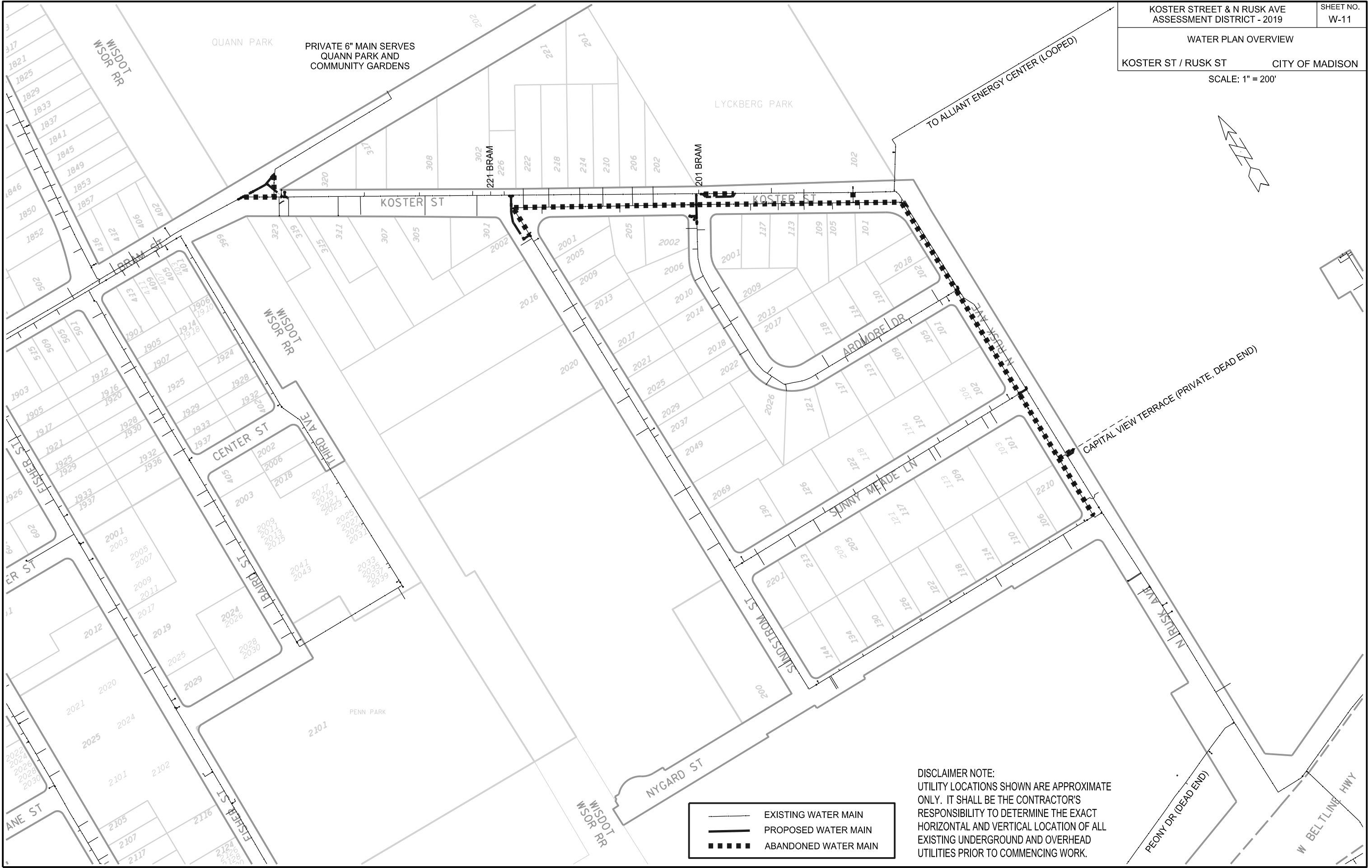
DISCLAIMER NOTE:
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV. DATE:

PLOT NAME:

PLOT SCALE:



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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.*

- | | |
|---------------------------|------------------------------------|
| 60-FT - 6-IN PIPE | 1 - 6-IN 90° BEND |
| 220-FT - 8-IN PIPE | 2 - 8-IN 90° BEND |
| 5-FT - 10-IN PIPE | |
| 280-FT - 12-IN PIPE | 3 - 8-IN 45° BEND |
| | 1 - 10-IN 45° BEND |
| | 9 - 12-IN 45° BEND |
| 4 - 6-IN VALVE & BOX | 1 - 8-IN 22-1/2° BEND |
| 2 - 8-IN VALVE & BOX | 1 - 12-IN 22-1/2° BEND |
| 8 - 12-IN VALVE & BOX | |
| 1 - 8-IN X 6-IN TEE | 1 - 8-IN 11-1/4° BEND |
| 2 - 12-IN X 6-IN TEE | |
| 5 - 12-IN X 8-IN TEE | 1 - 8-IN MJ PLUG |
| 1 - 12-IN X 12-IN TEE | 7 - 6-IN MJ CAP |
| | 1 - 10-IN MJ CAP |
| 4 - 8-IN X 6-IN REDUCER | 2 - 12-IN MJ CAP |
| 1 - 12-IN X 10-IN REDUCER | |
| 2 - 8-IN X 12-IN OFFSET | 1 - 5-IN HYDRANT |
| 2 - 12-IN X 12-IN OFFSET | 264-FT - 2-IN STYROFOAM INSULATION |
| | 650-FT - POLY WRAP |
| | 1-IN TO 2-IN COPPER (AS REQ'D) |

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:

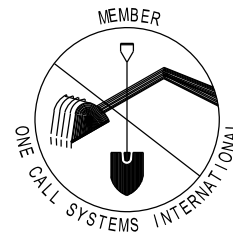
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

1 - 5-IN HYDRANT

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.

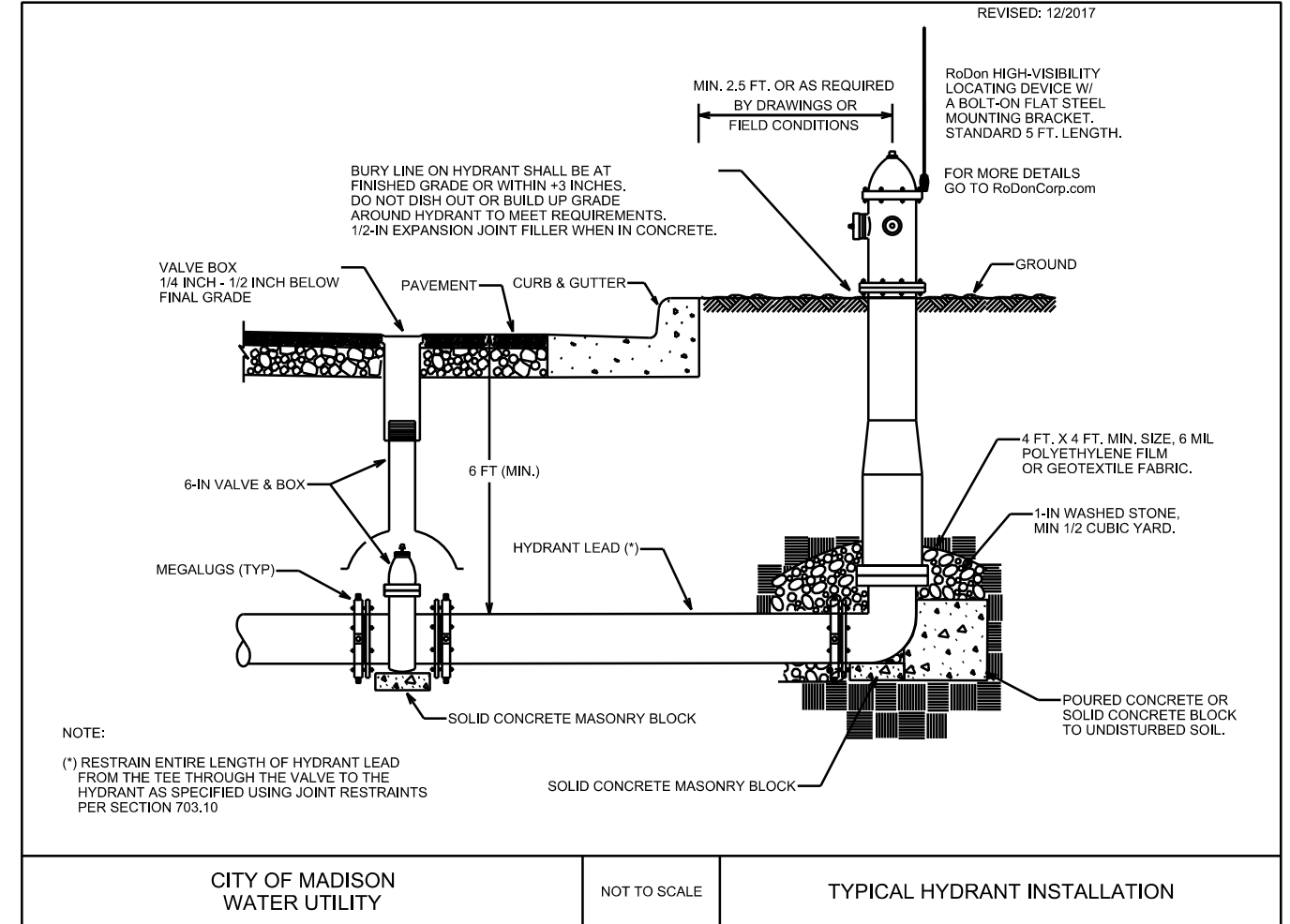


DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2017



NOTE:






(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON
WATER UTILITY

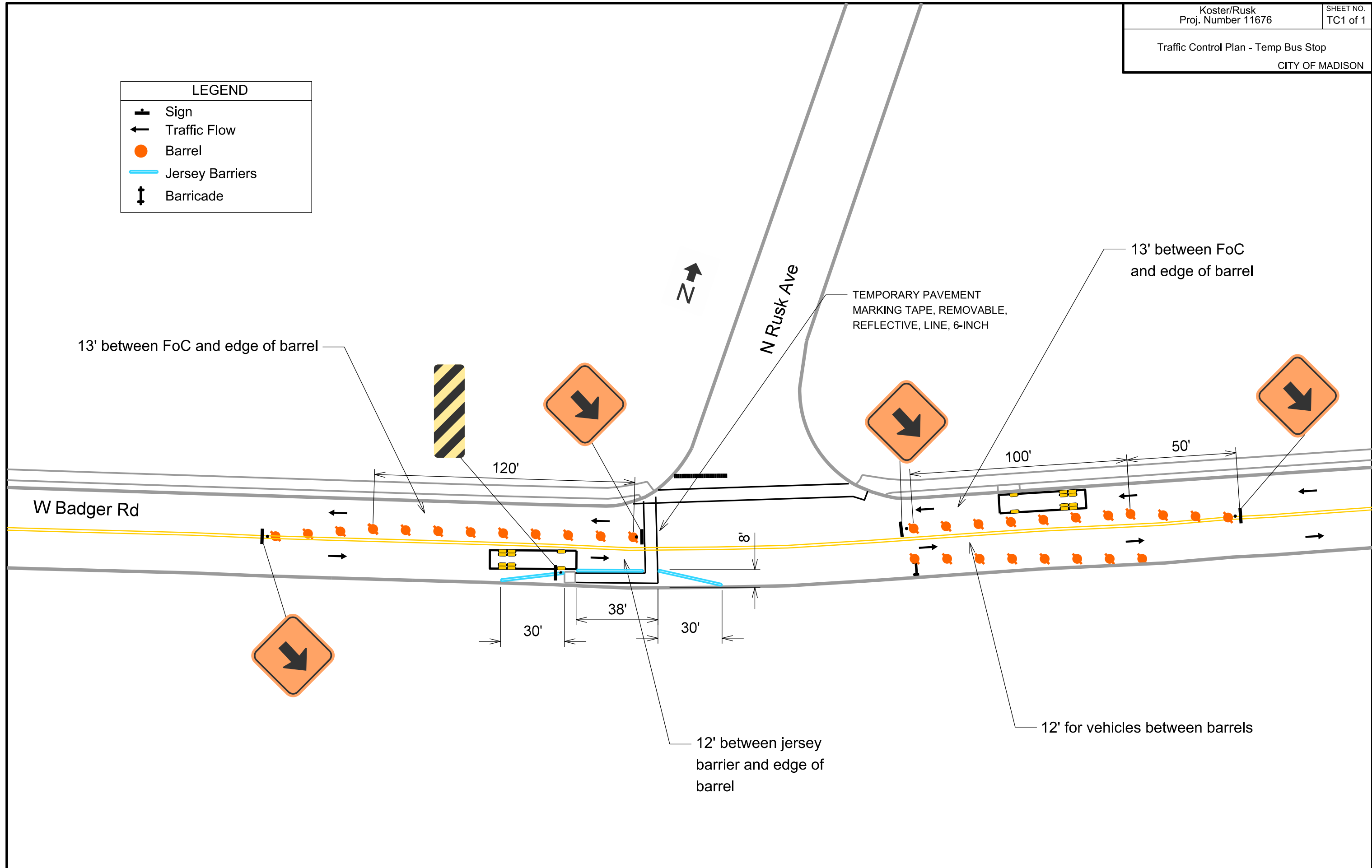
NOT TO SCALE

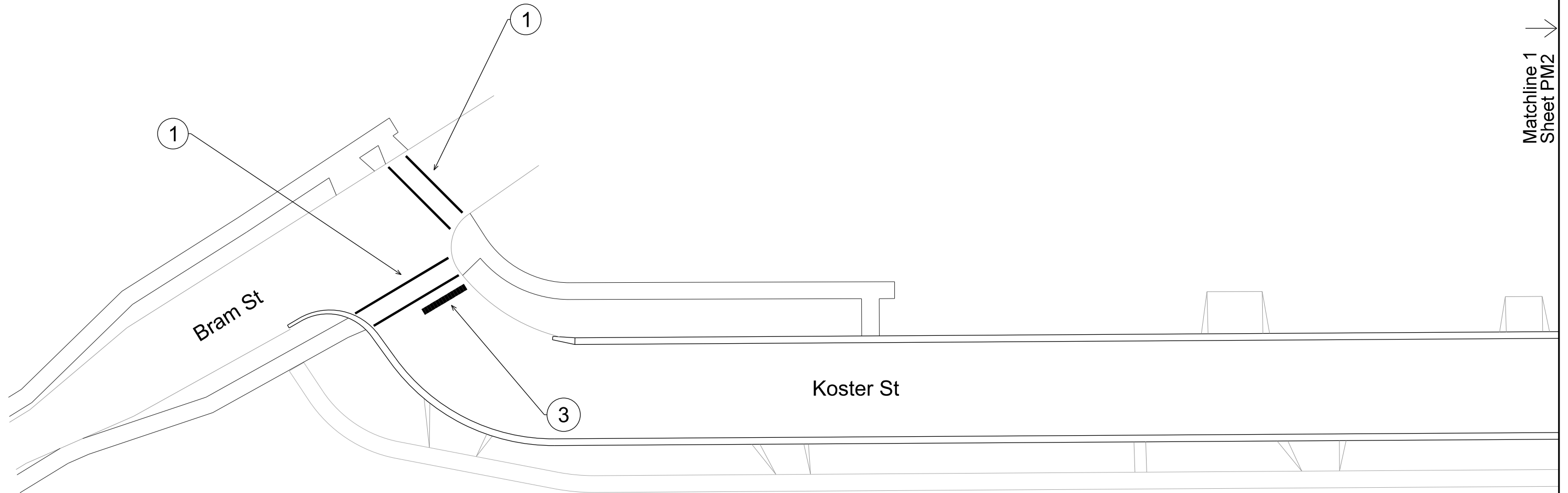
TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction

LEGEND	
	Sign
	Traffic Flow
	Barrel
	Jersey Barriers
	Barricade

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





Matchline 1
Sheet PM2

Callout	Description
1	Pavement Marking Epoxy, Crosswalk, 6-Inch
2	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch

PLOT SCALE:

PLOT NAME:

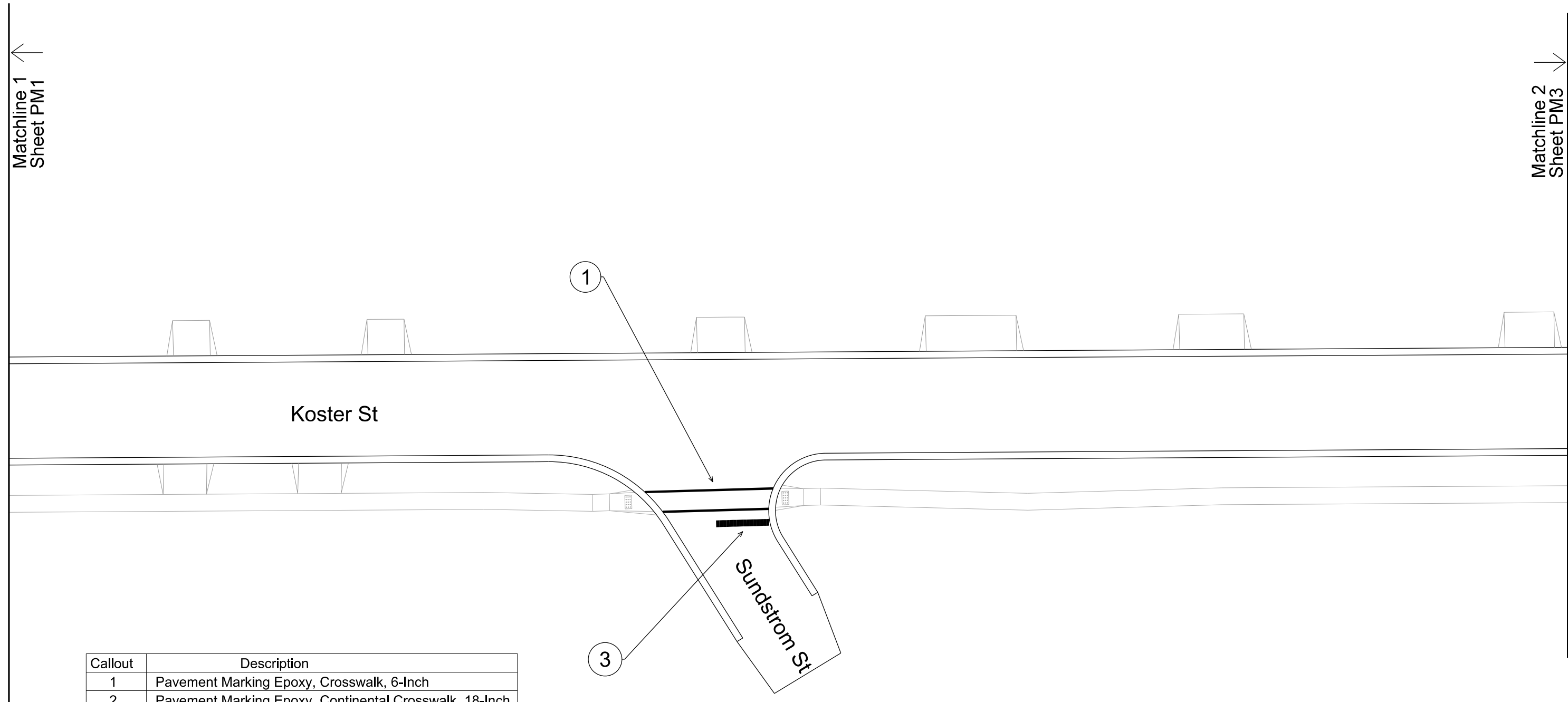
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Matchline 1
Sheet PM1

Matchline 2
Sheet PM3



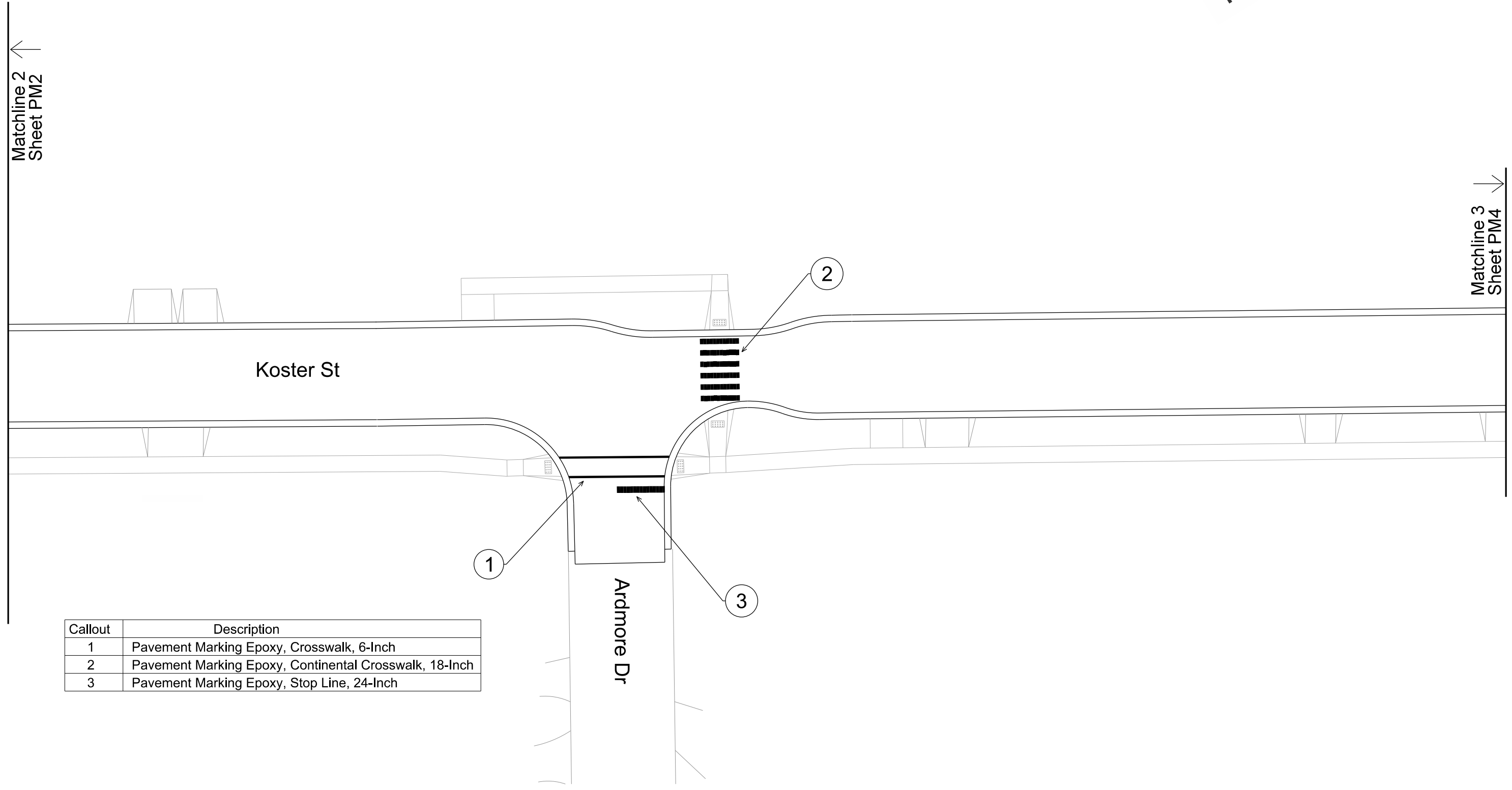
Callout	Description
1	Pavement Marking Epoxy, Crosswalk, 6-Inch
2	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Matchline 2
Sheet PM2

Matchline 3
Sheet PM4



Koster St

Ardmore Dr

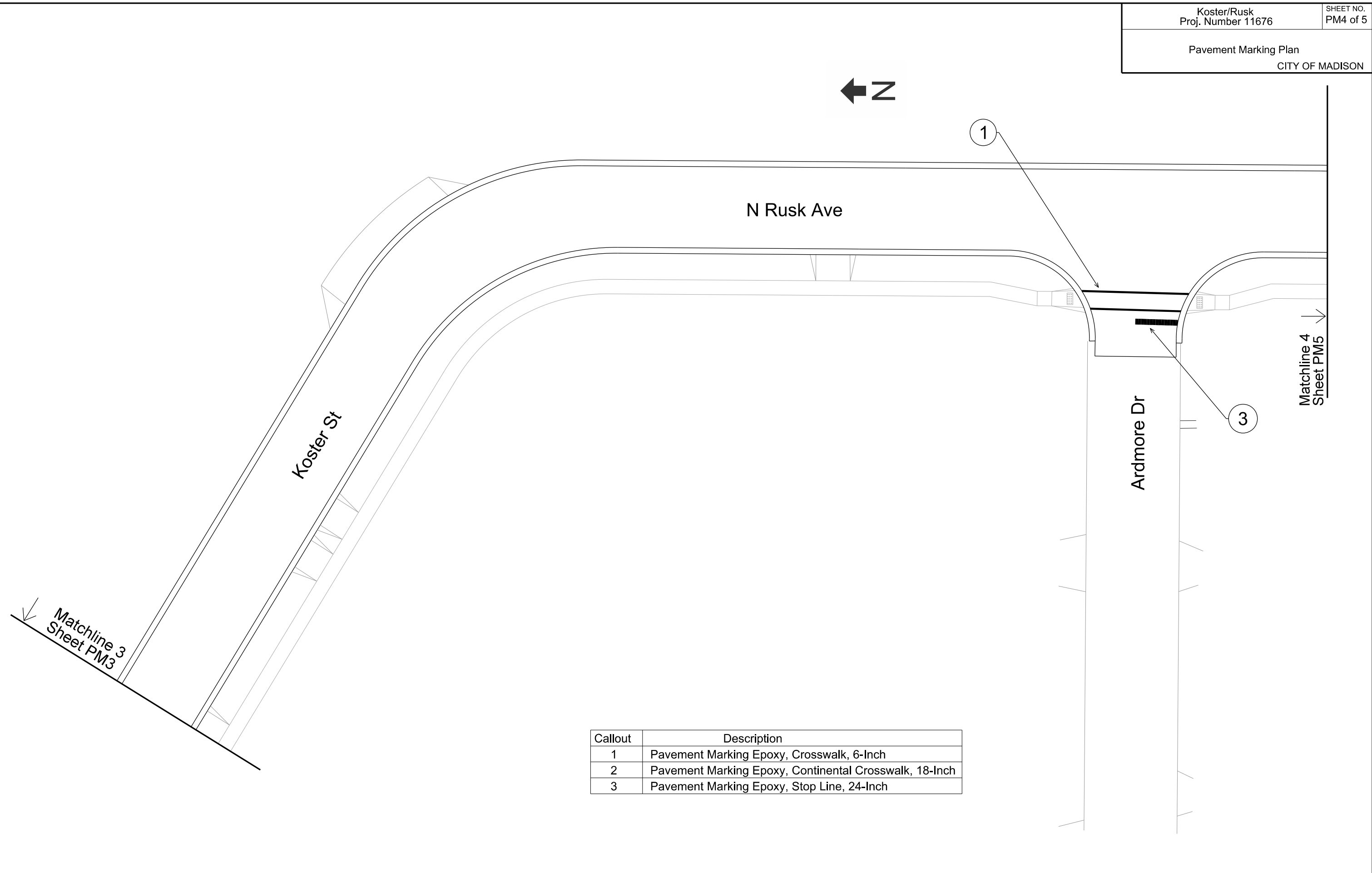
Callout	Description
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2	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Callout	Description
1	Pavement Marking Epoxy, Crosswalk, 6-Inch
2	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

Matchline 4
 Sheet PM4

Matchline 5
 Sheet PM5

← Z N Rusk Ave

1

Sunny Meade Ln

3

Callout	Description
1	Pavement Marking Epoxy, Crosswalk, 6-Inch
2	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch

PLOT SCALE:

PLOT NAME:

Matchline 5
 Sheet PM5

← Z N Rusk Ave

2

Nygaard St

3

Callout	Description
1	Pavement Marking Epoxy, Crosswalk, 6-Inch
2	Pavement Marking Epoxy, Continental Crosswalk, 18-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

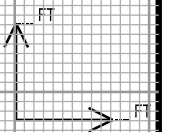
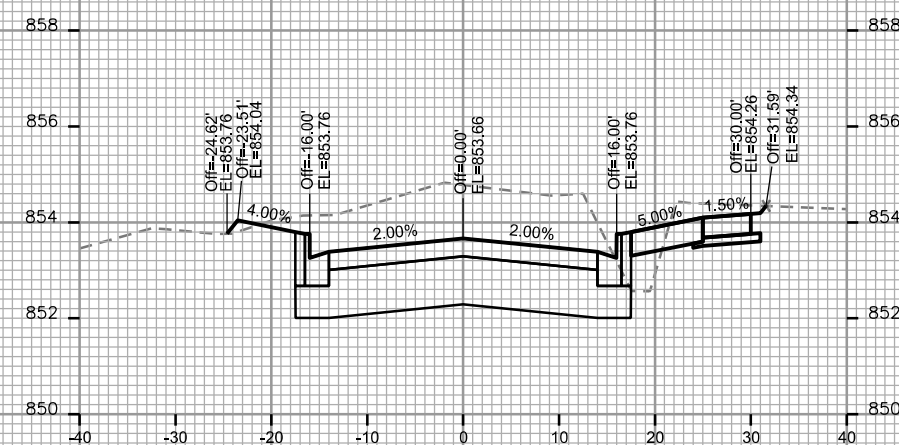
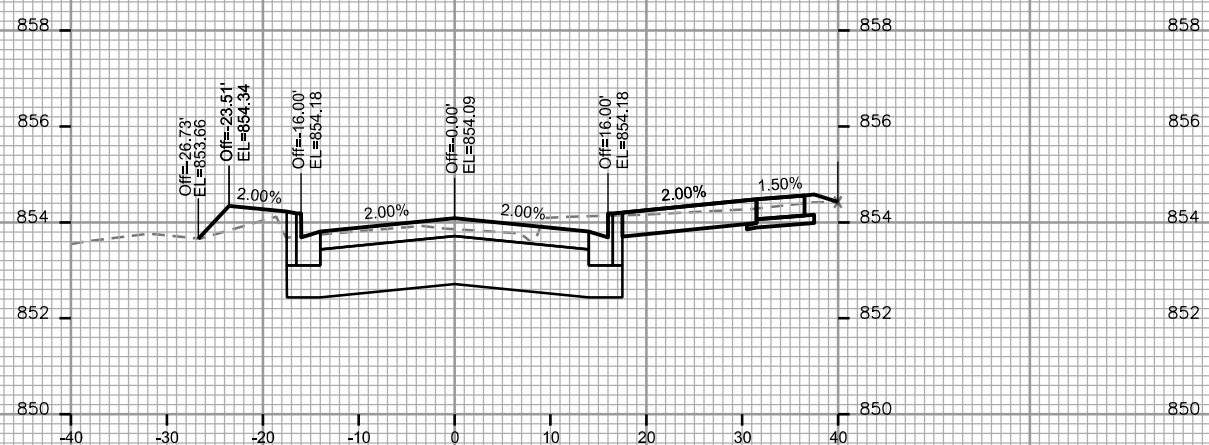
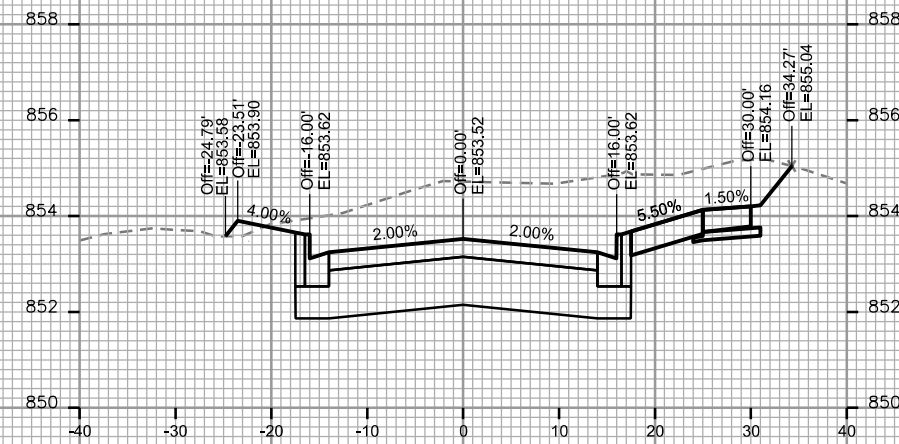
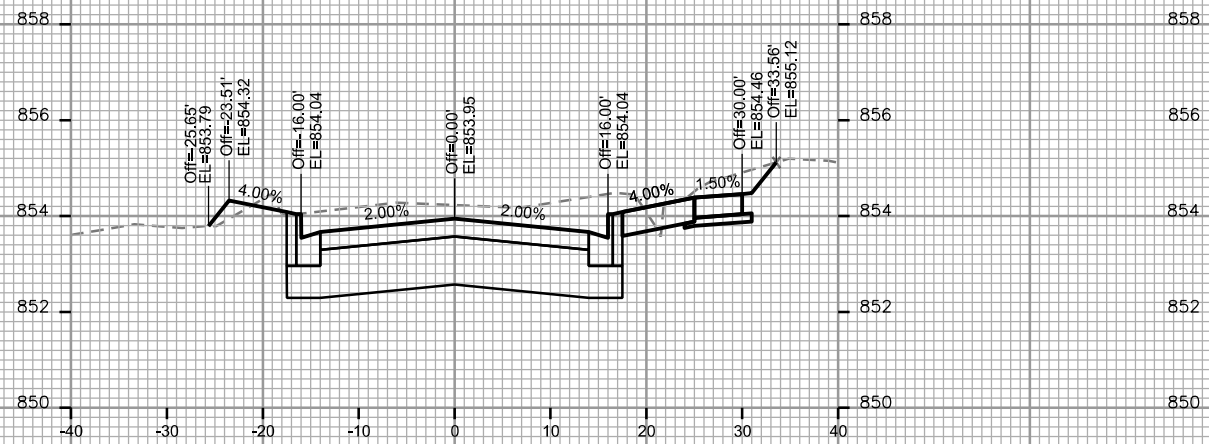
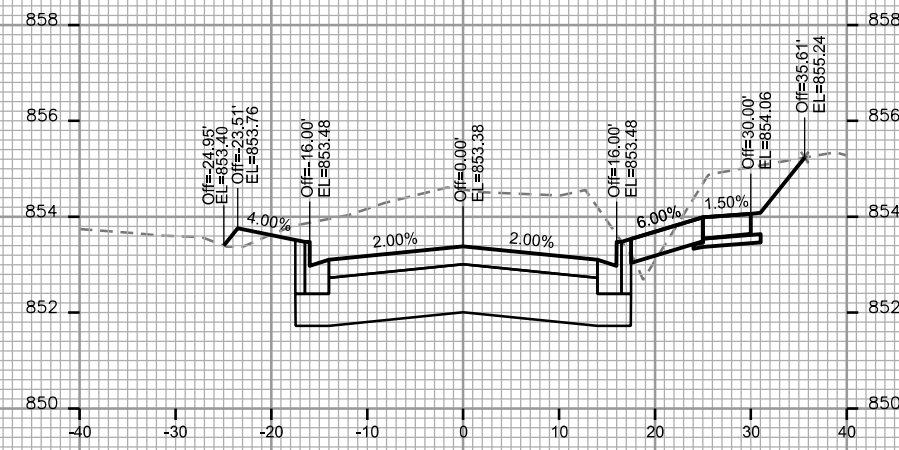
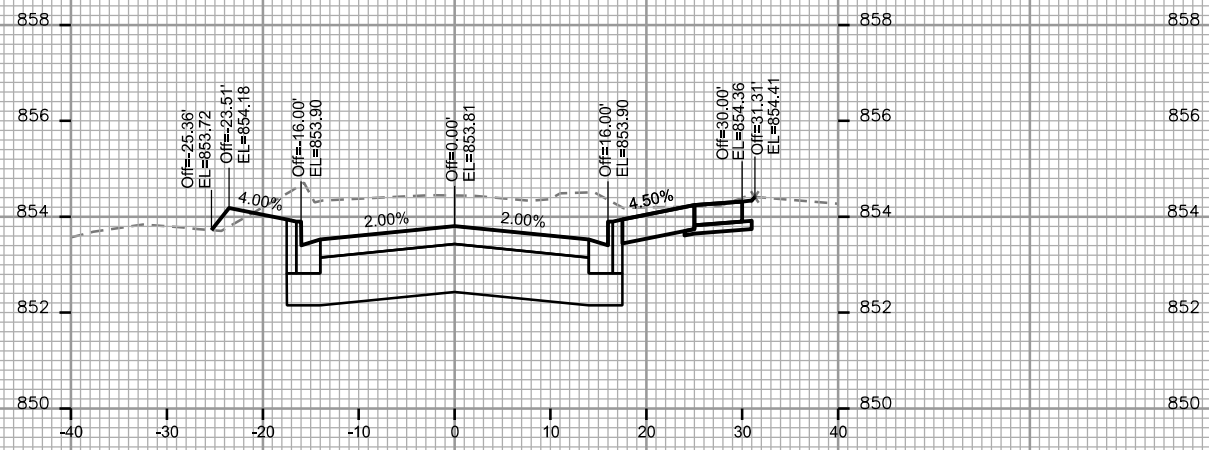
CROSS SECTIONS
 KOSTER STREET CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

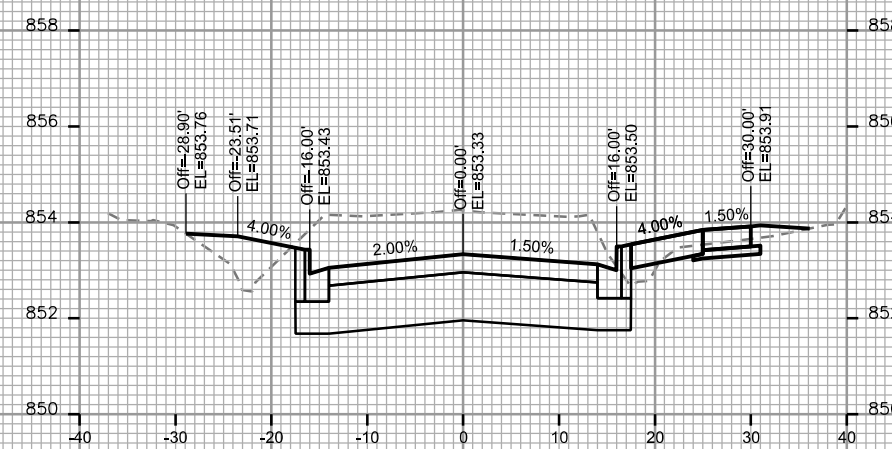
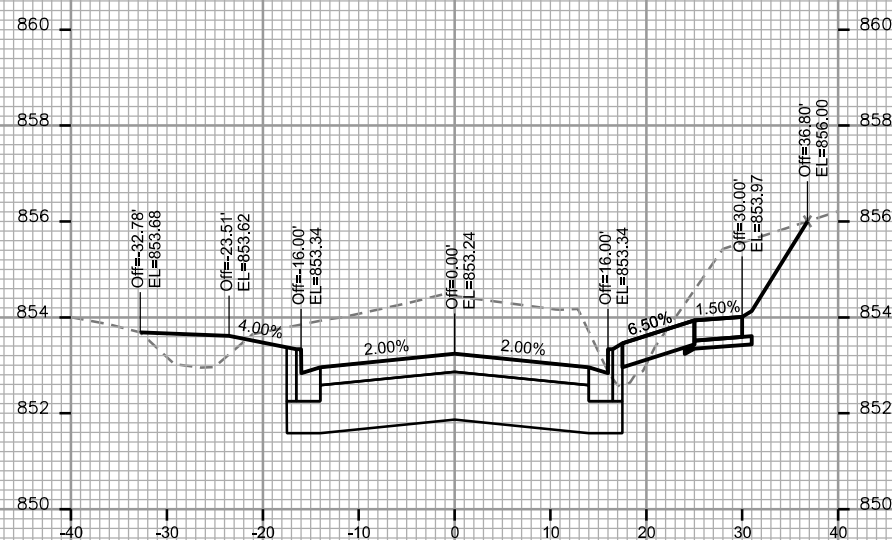
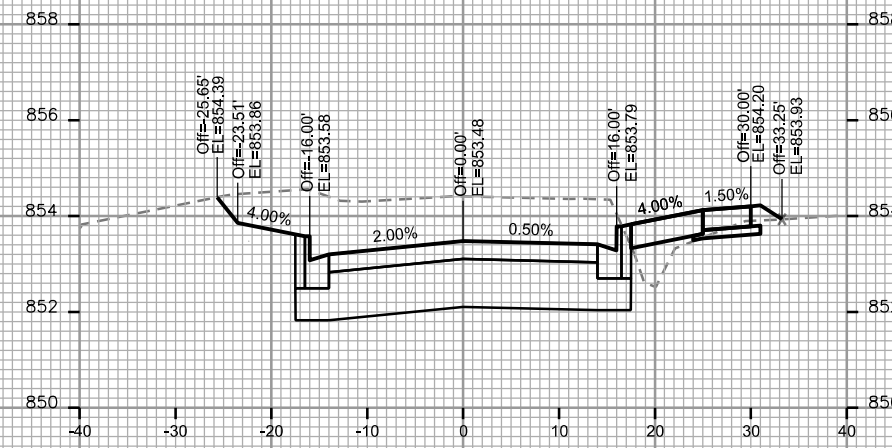
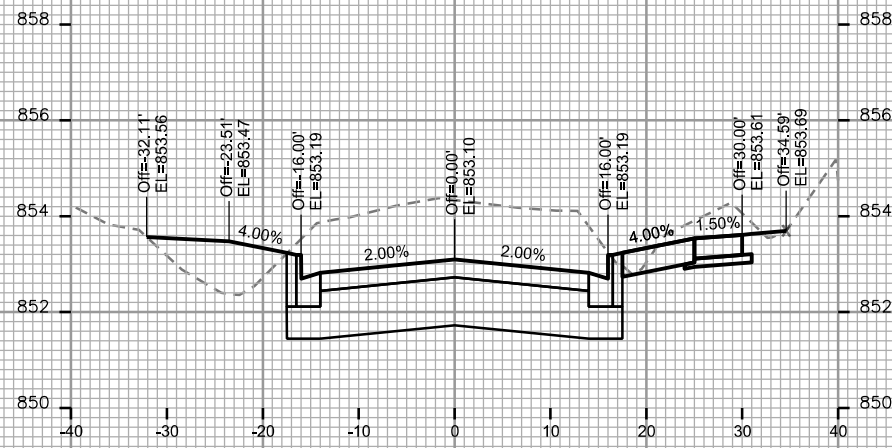
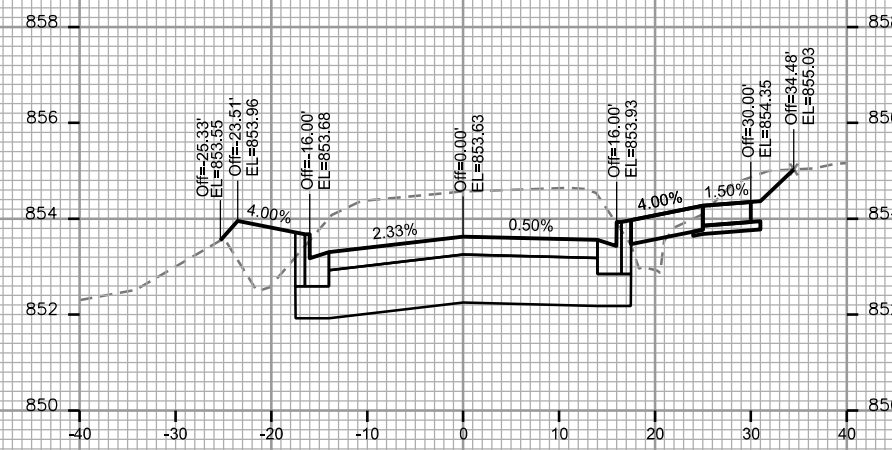
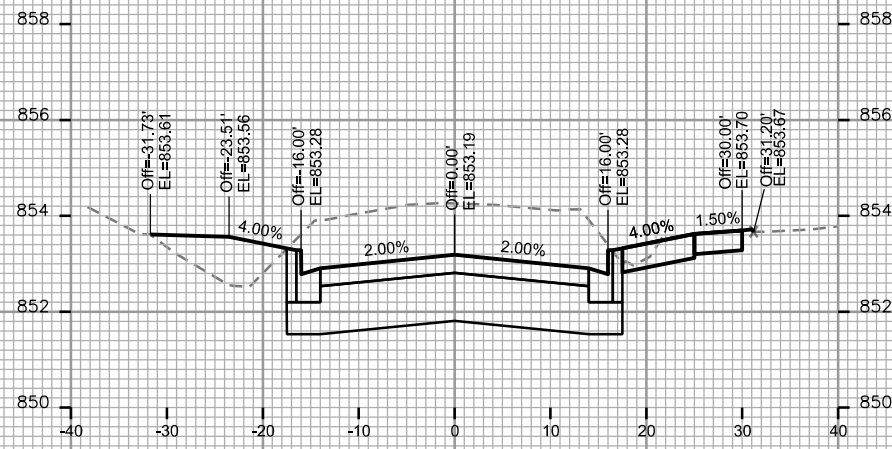
REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION



CROSS SECTIONS

KOSTER STREET CITY OF MADISON



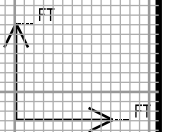
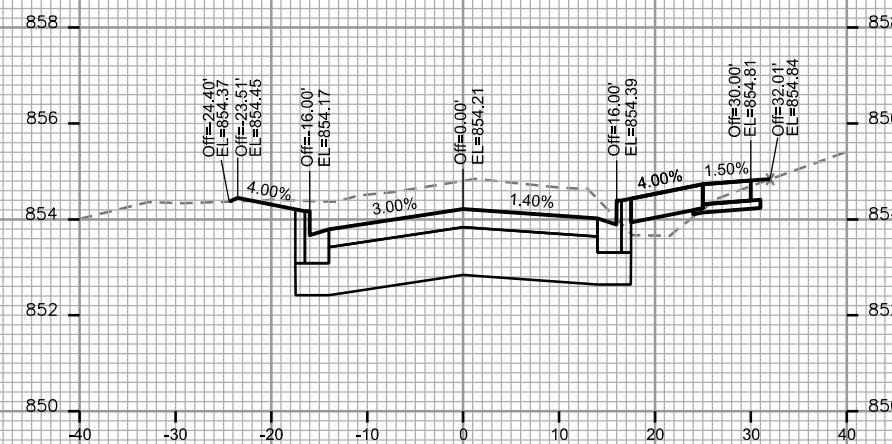
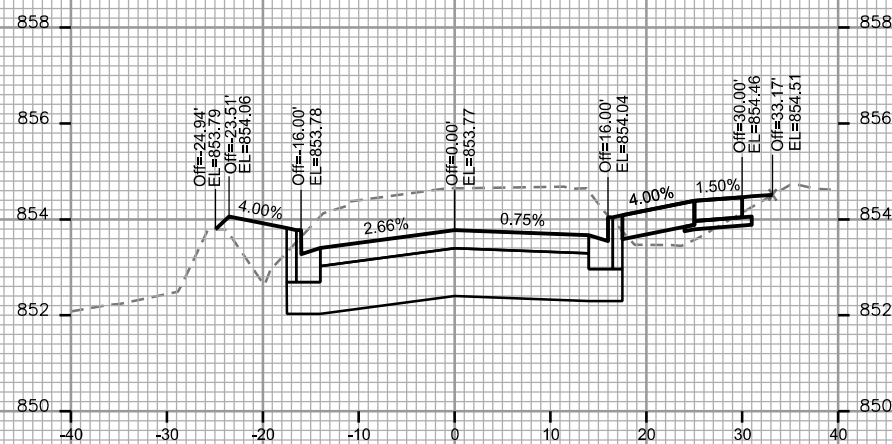
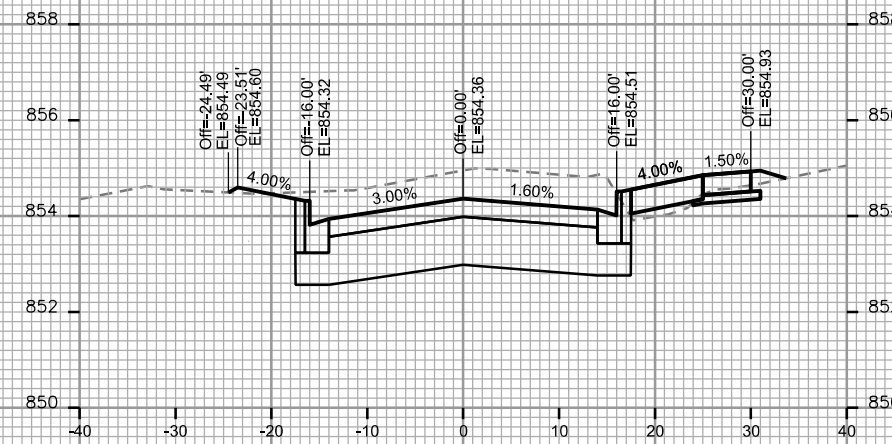
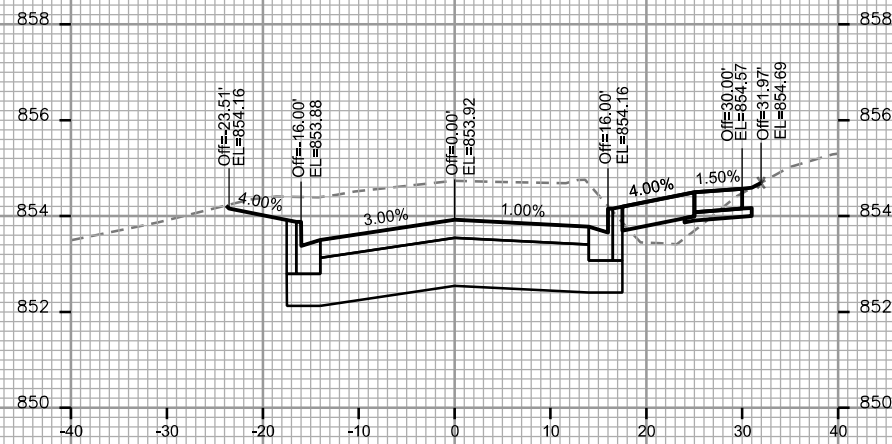
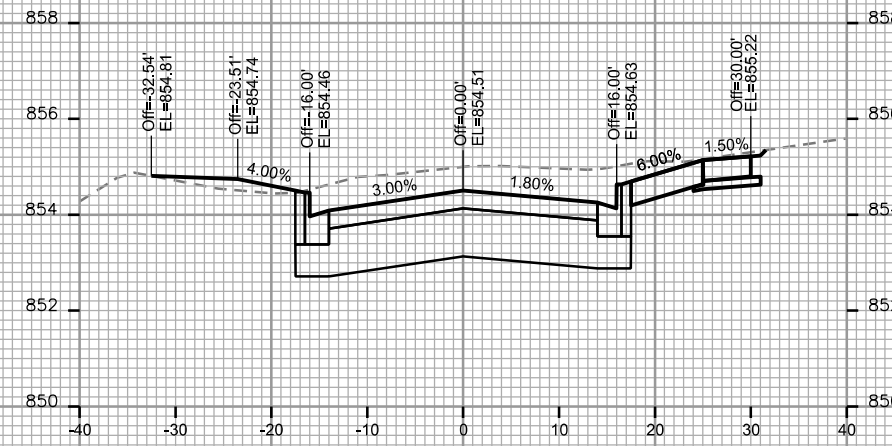
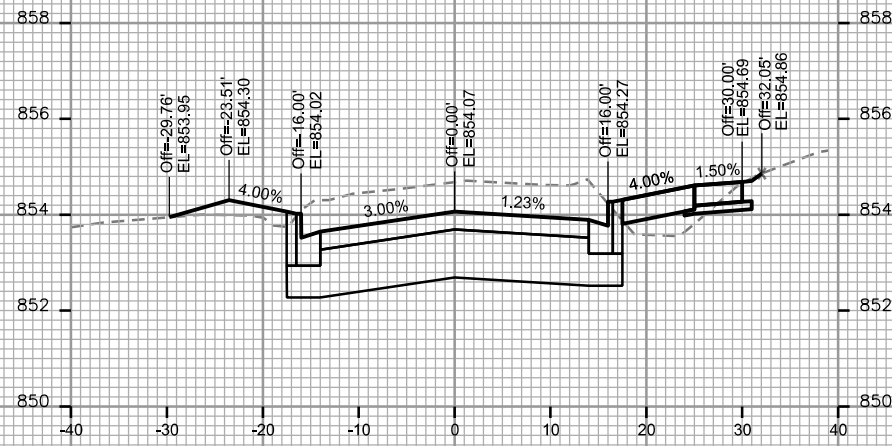
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS
 KOSTER STREET CITY OF MADISON



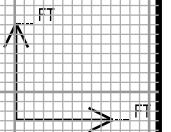
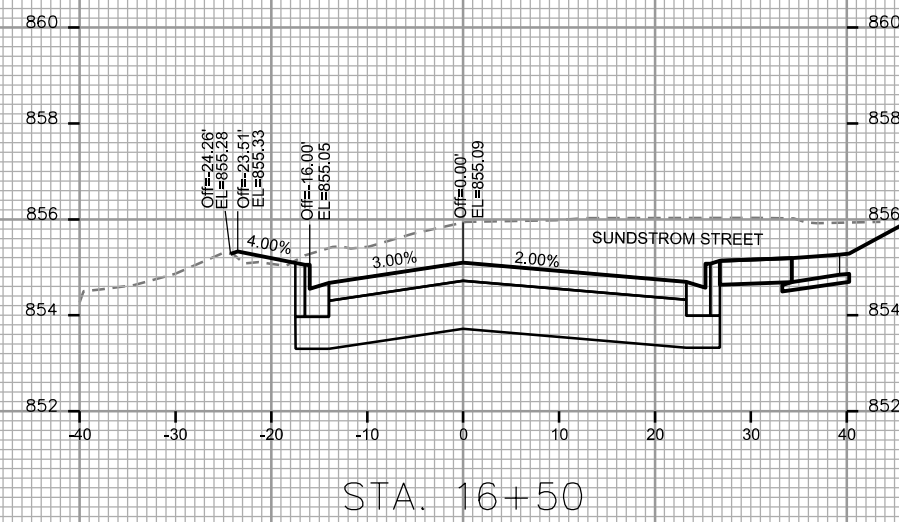
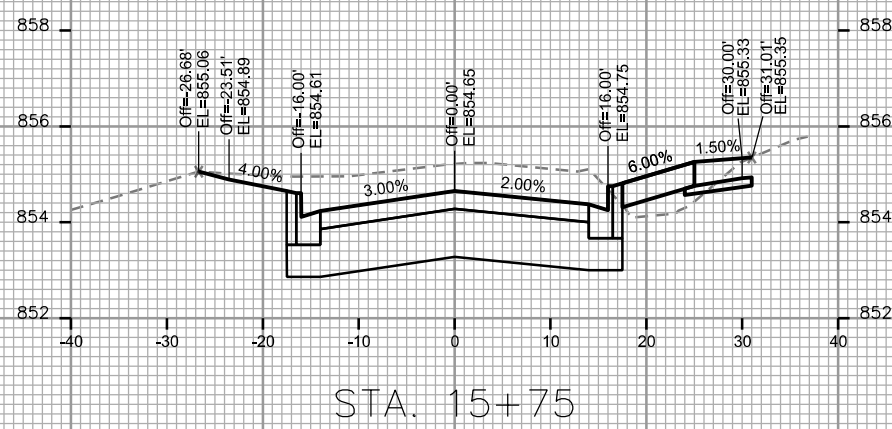
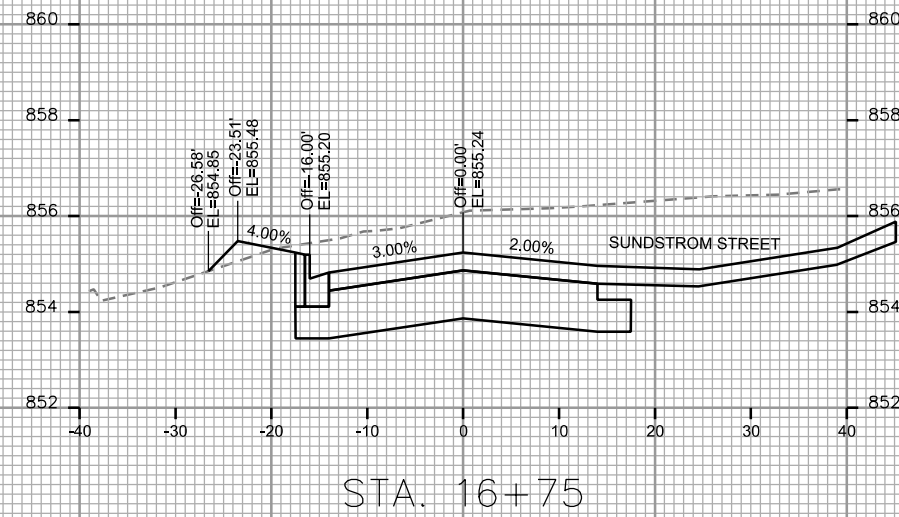
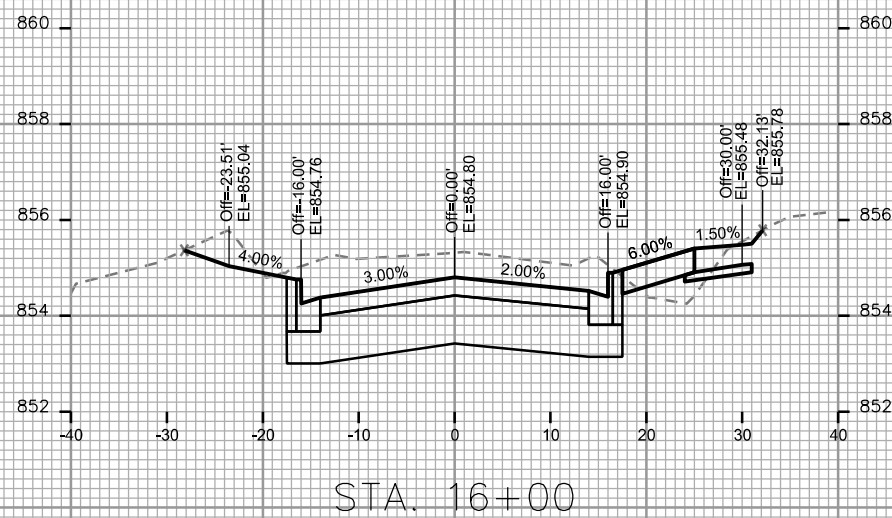
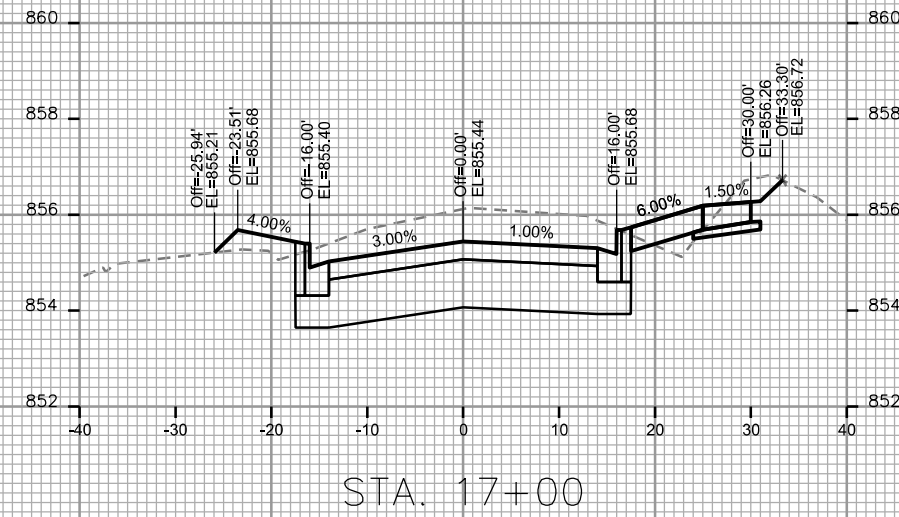
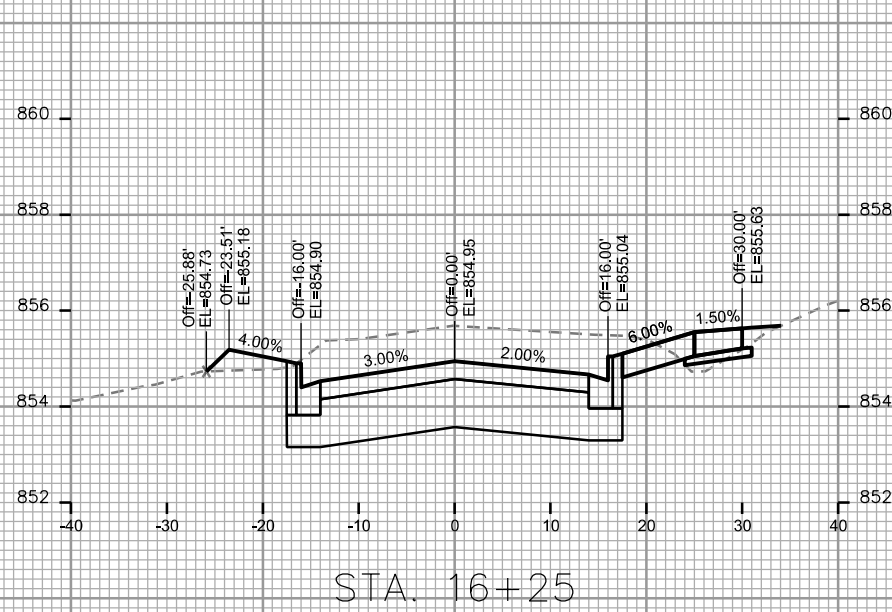
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION

CROSS SECTIONS
KOSTER STREET CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

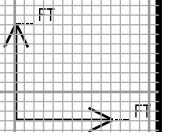
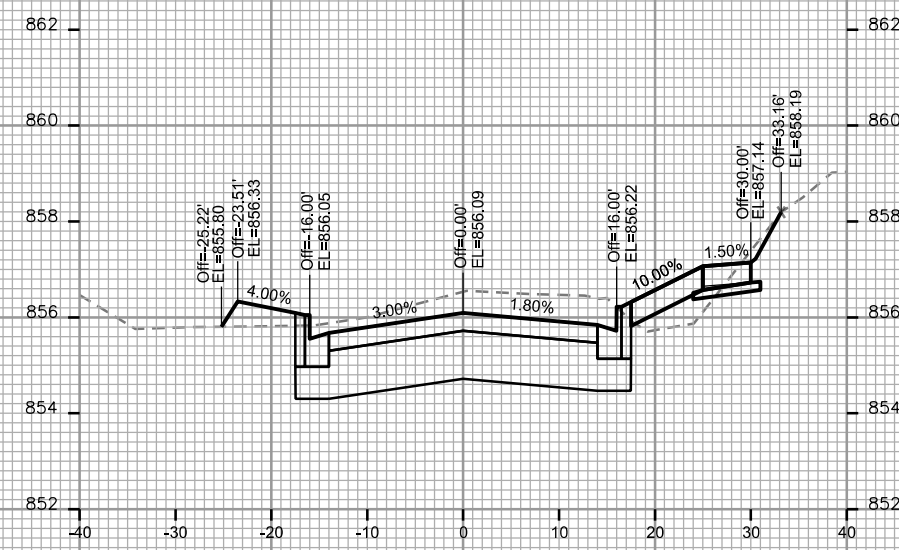
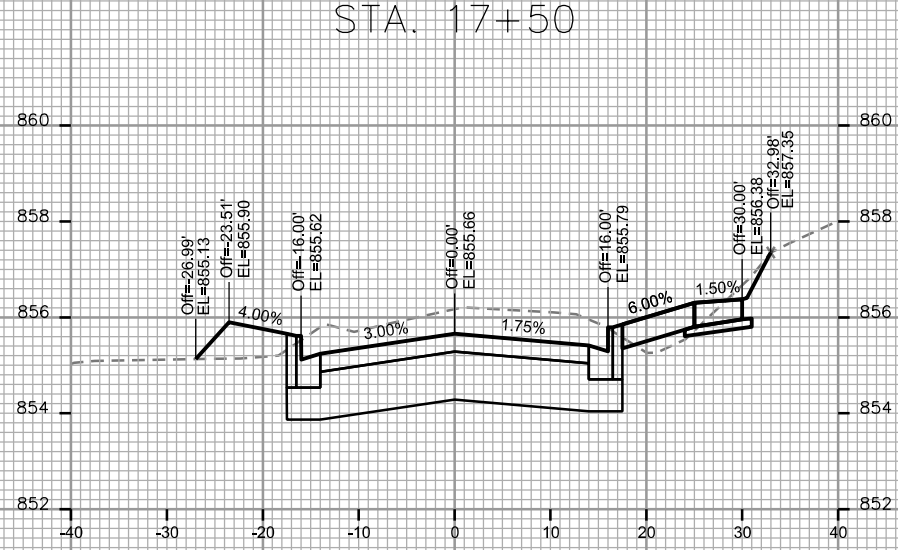
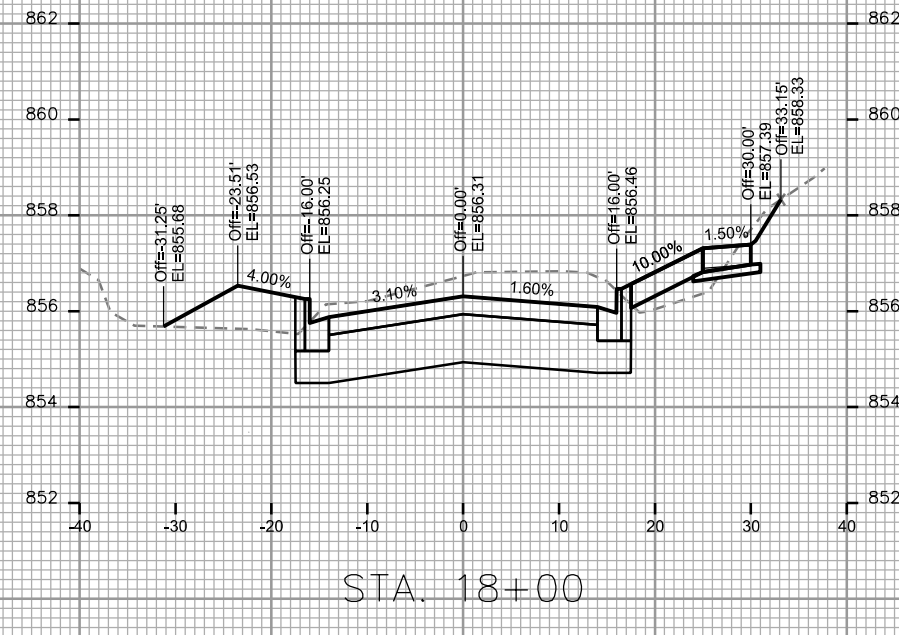
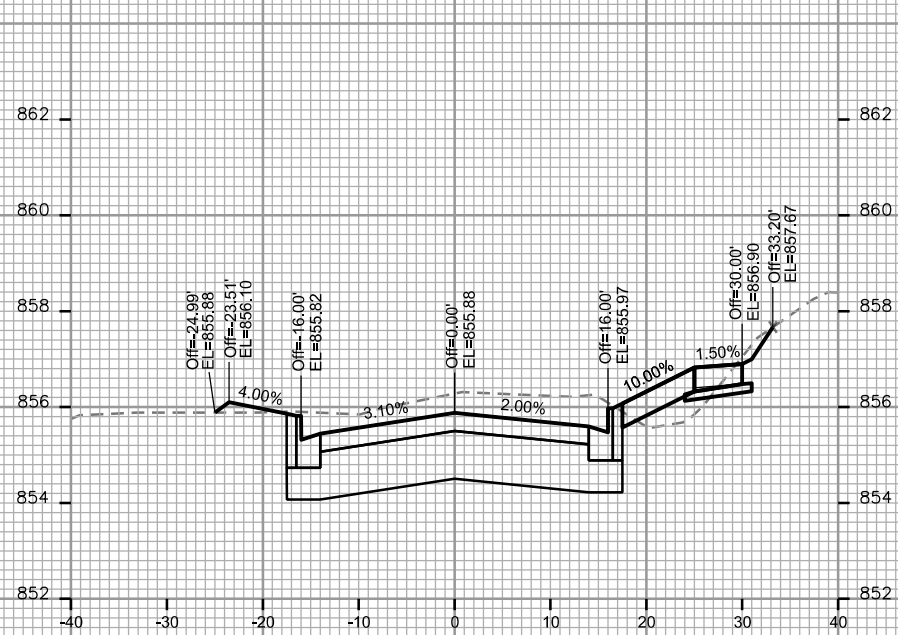
CROSS SECTIONS
 KOSTER STREET CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



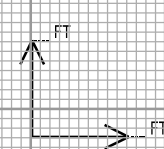
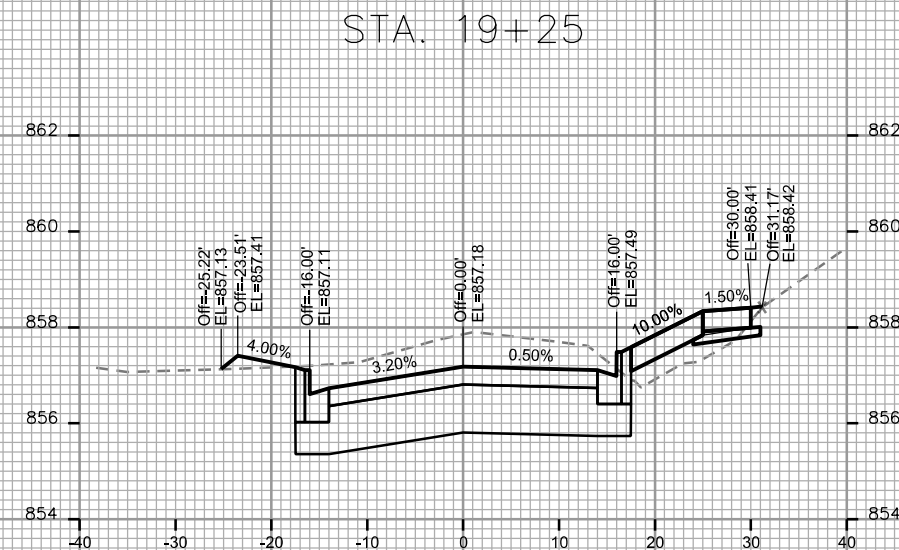
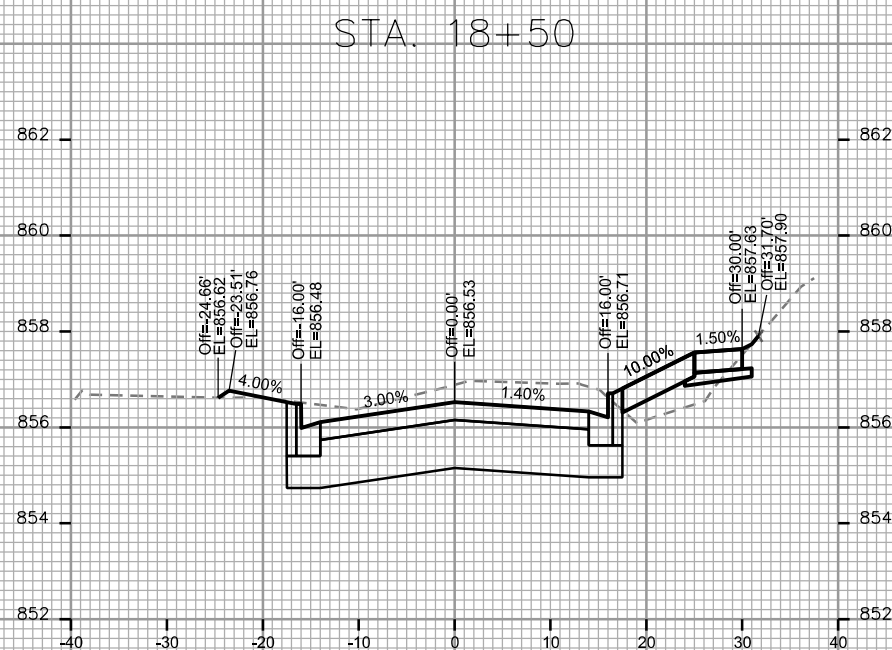
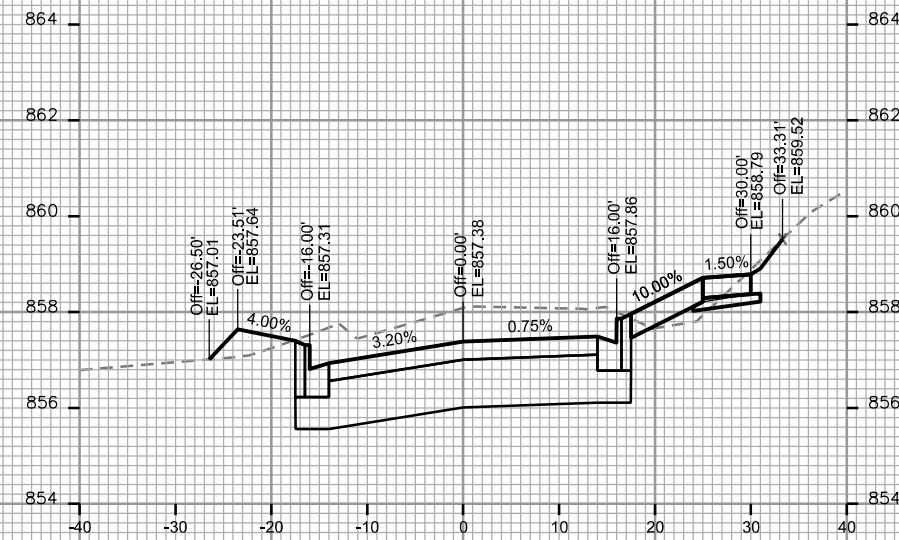
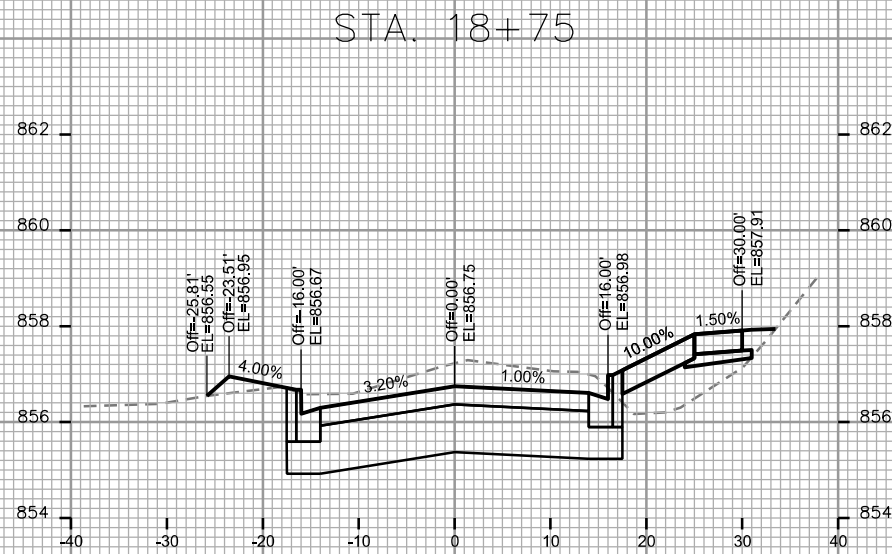
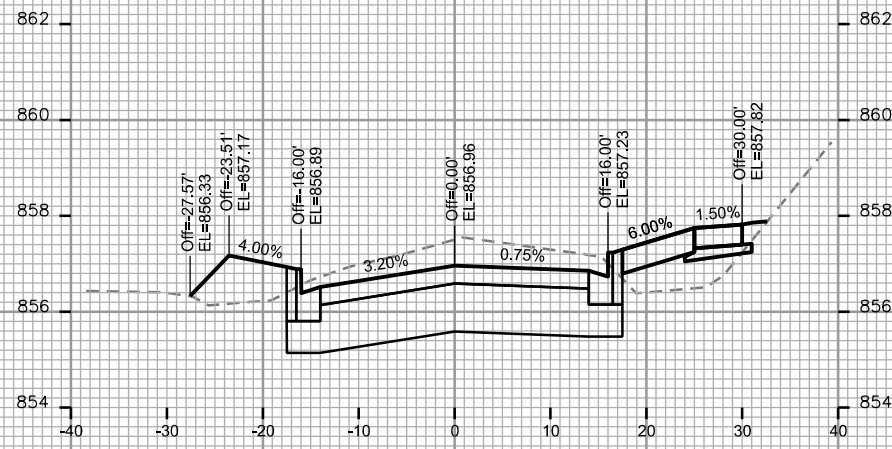
CROSS SECTIONS
KOSTER STREET CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION



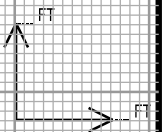
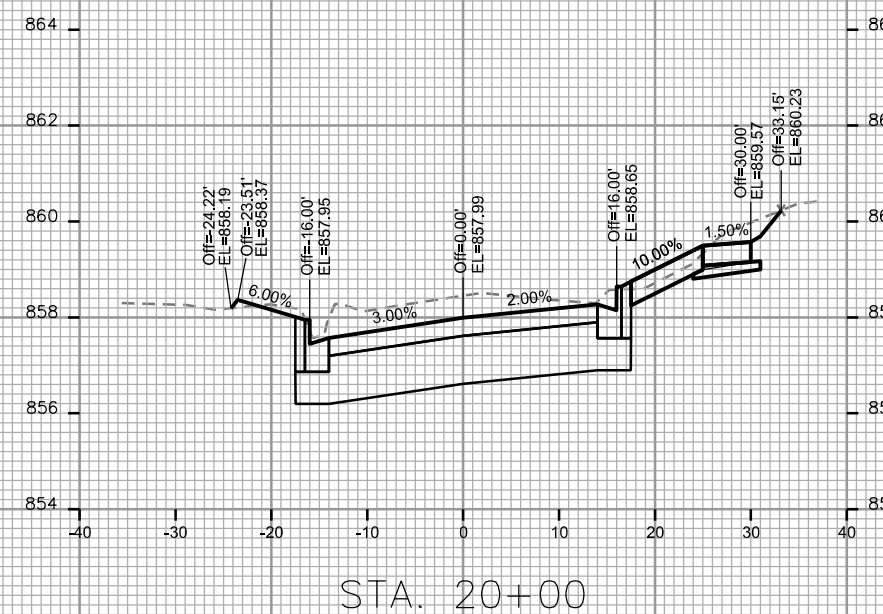
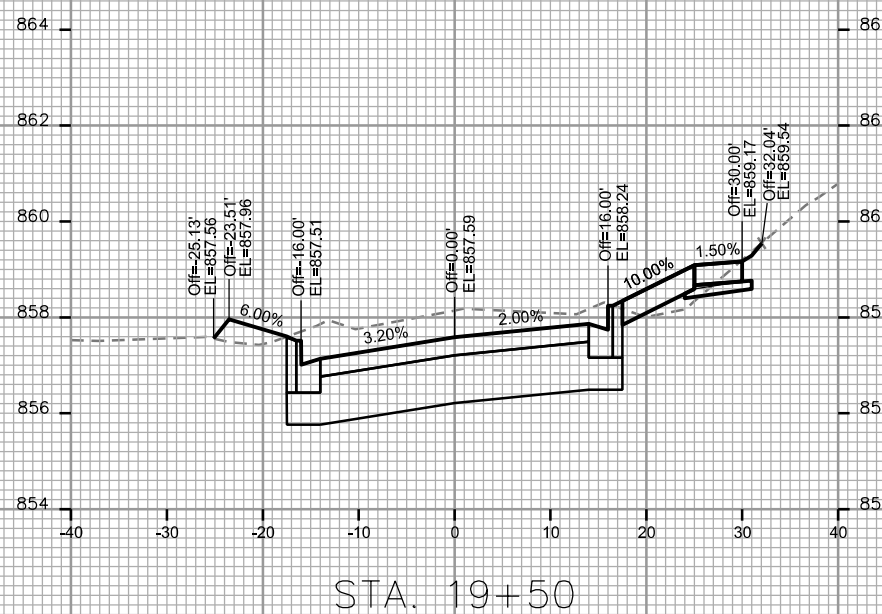
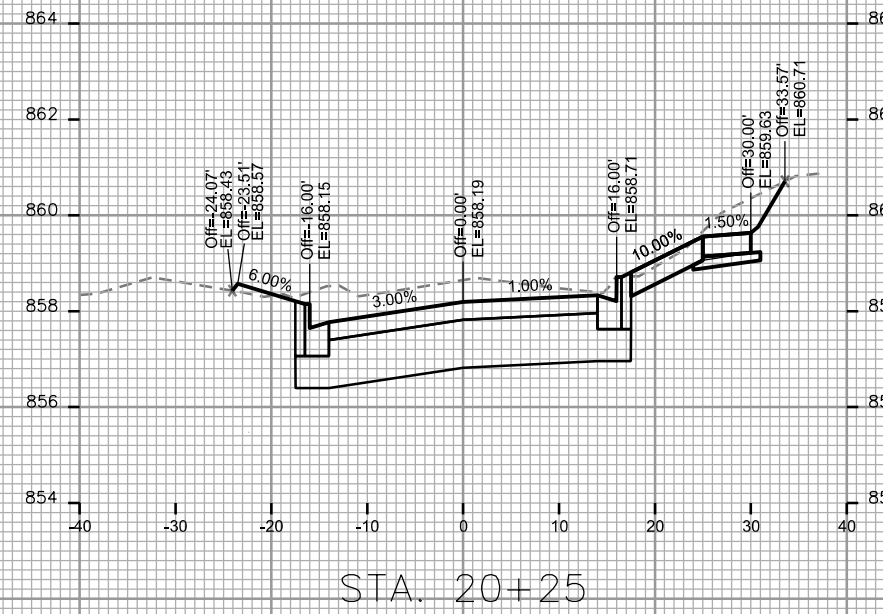
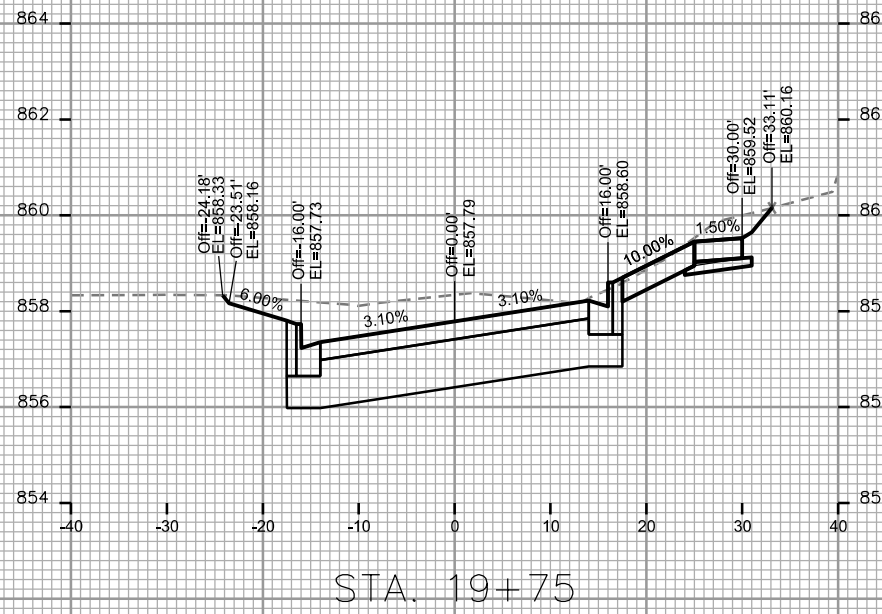
CROSS SECTIONS
 KOSTER STREET CITY OF MADISON

PLOT SCALE: _____

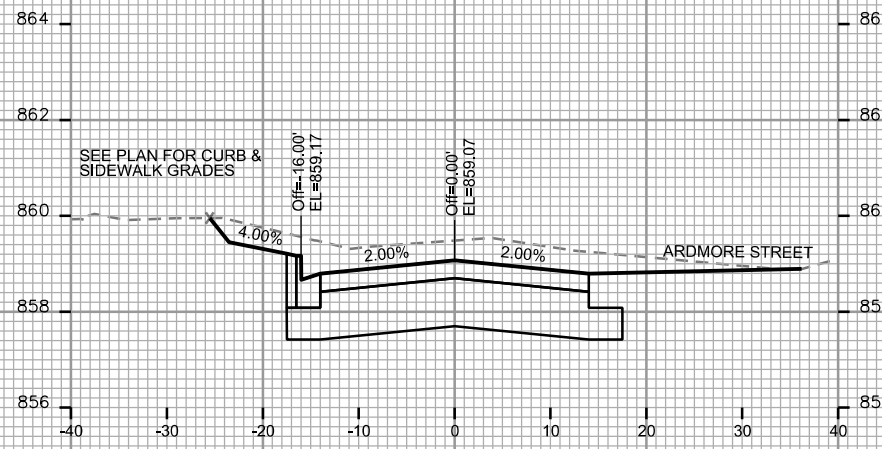
PLOT NAME: _____

REV. DATE: _____

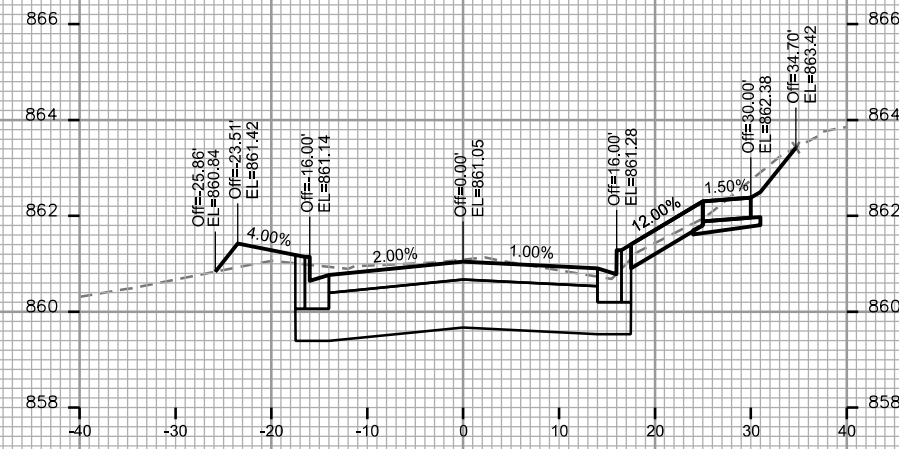
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



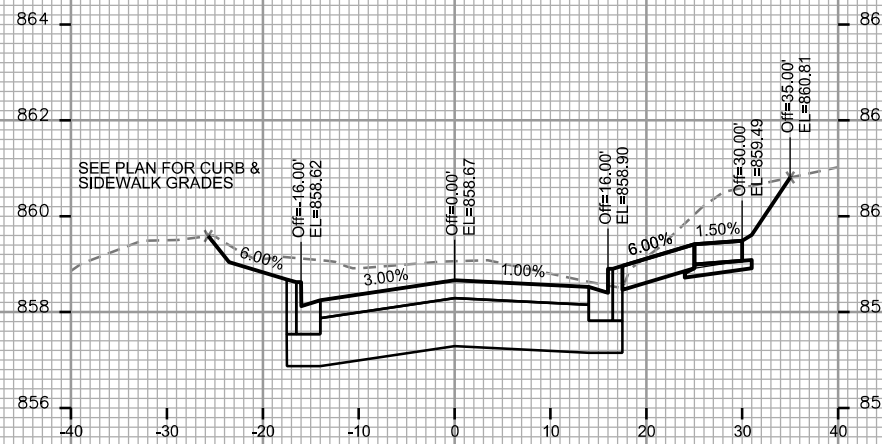
CROSS SECTIONS
KOSTER STREET CITY OF MADISON



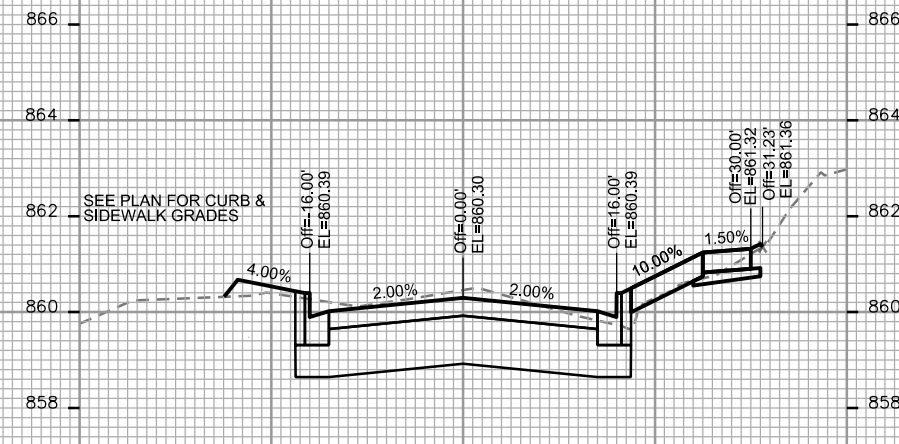
STA. 21+00



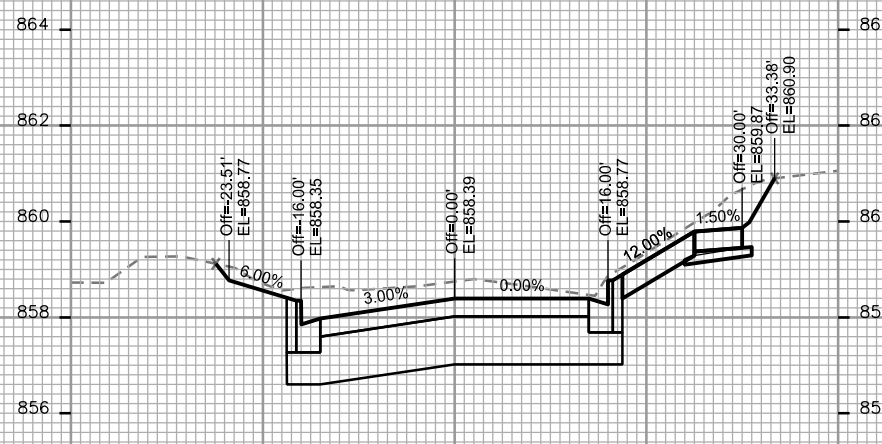
STA. 21+75



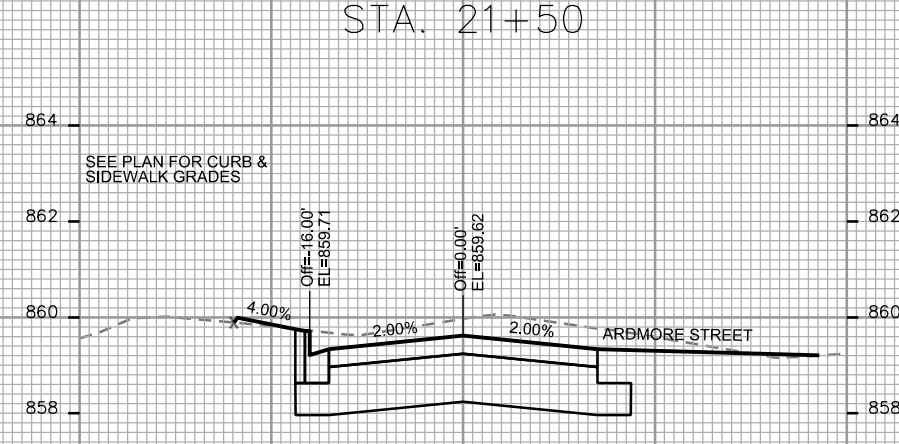
STA. 20+75



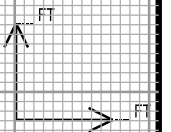
STA. 21+50



STA. 20+50



STA. 21+25



PLOT SCALE: _____

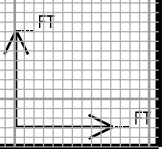
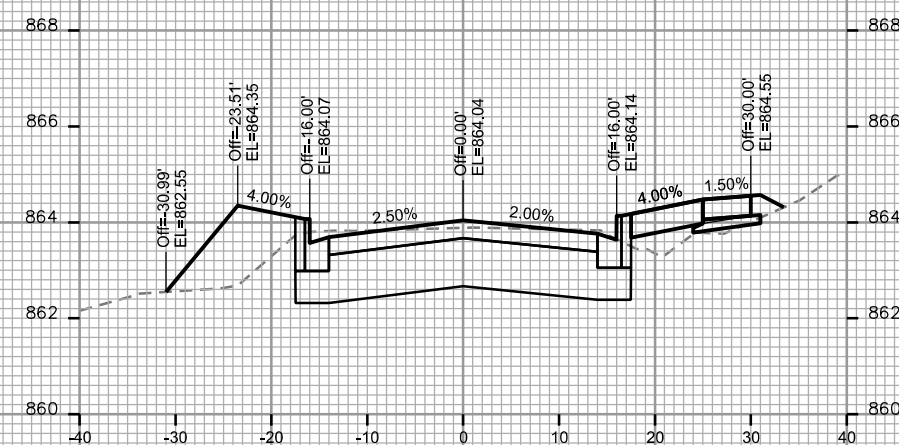
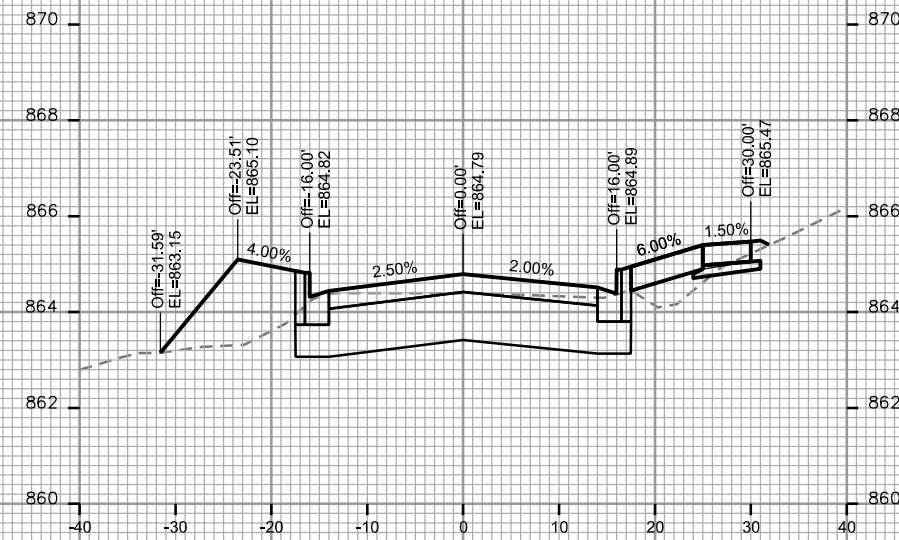
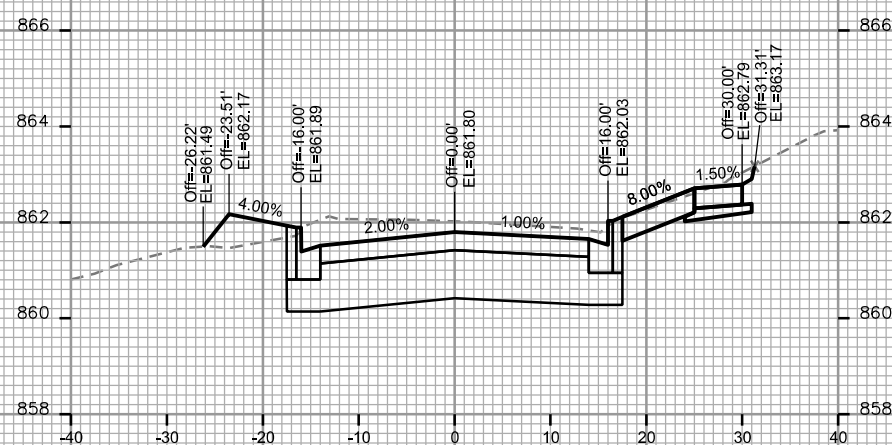
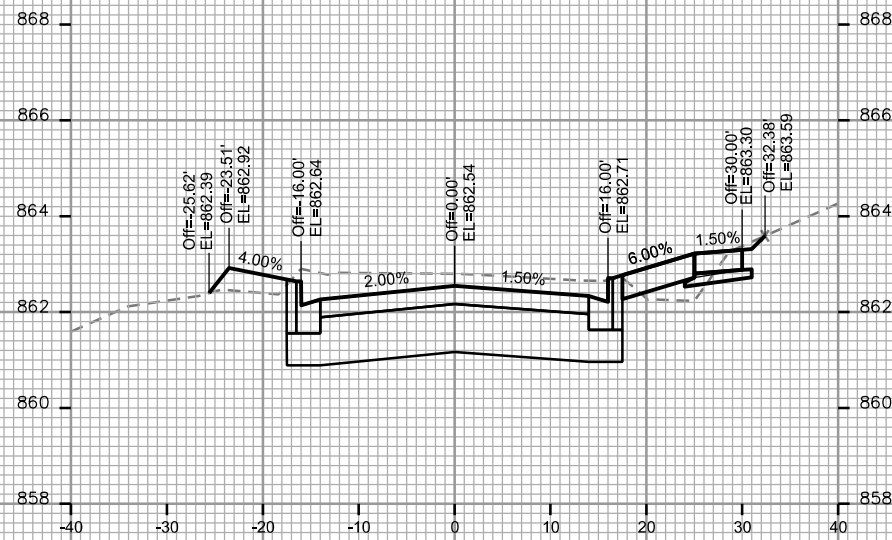
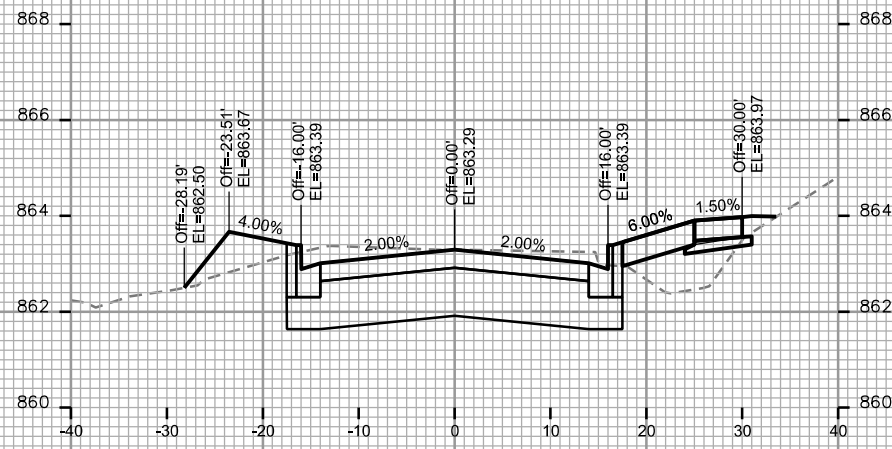
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS
 KOSTER STREET CITY OF MADISON

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



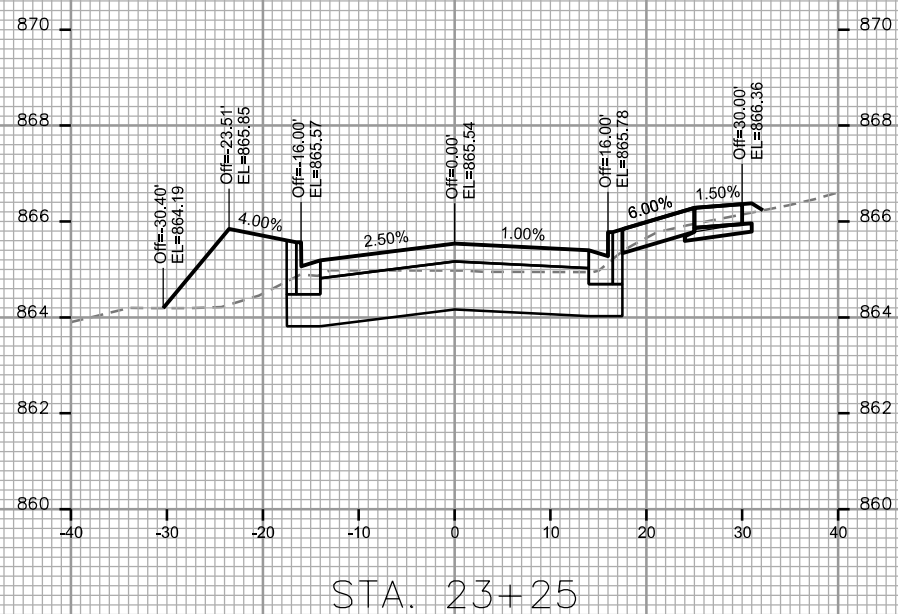
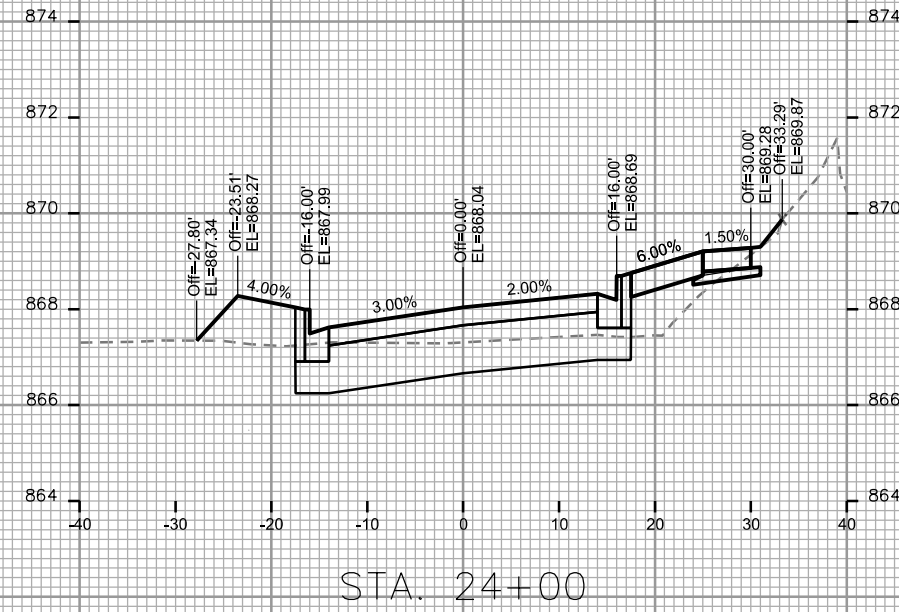
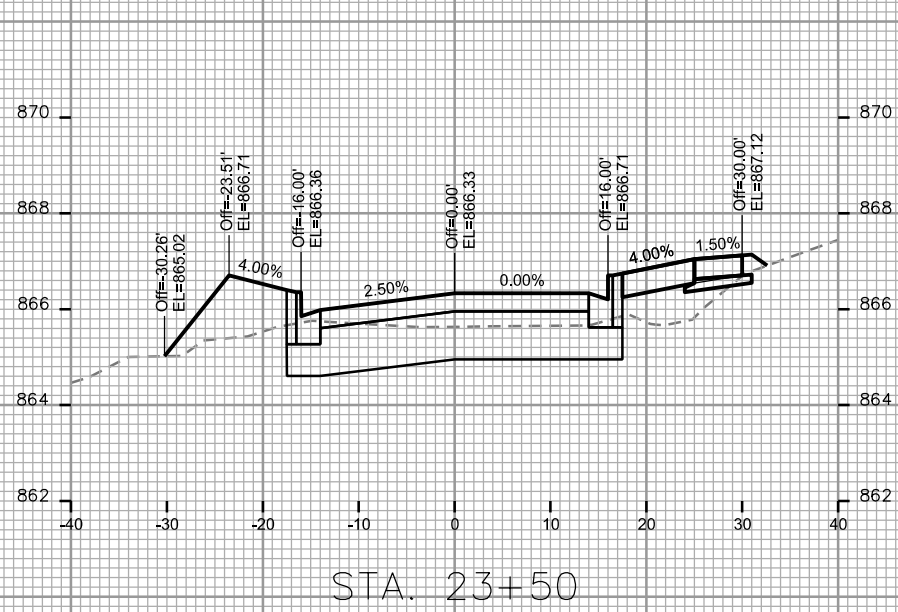
CROSS SECTIONS
 KOSTER STREET CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION



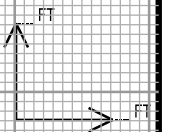
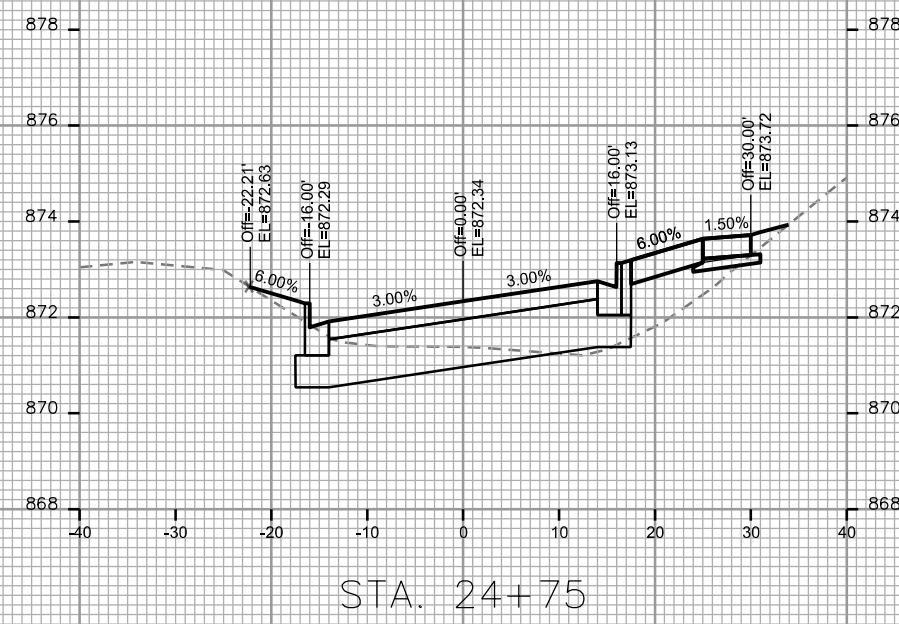
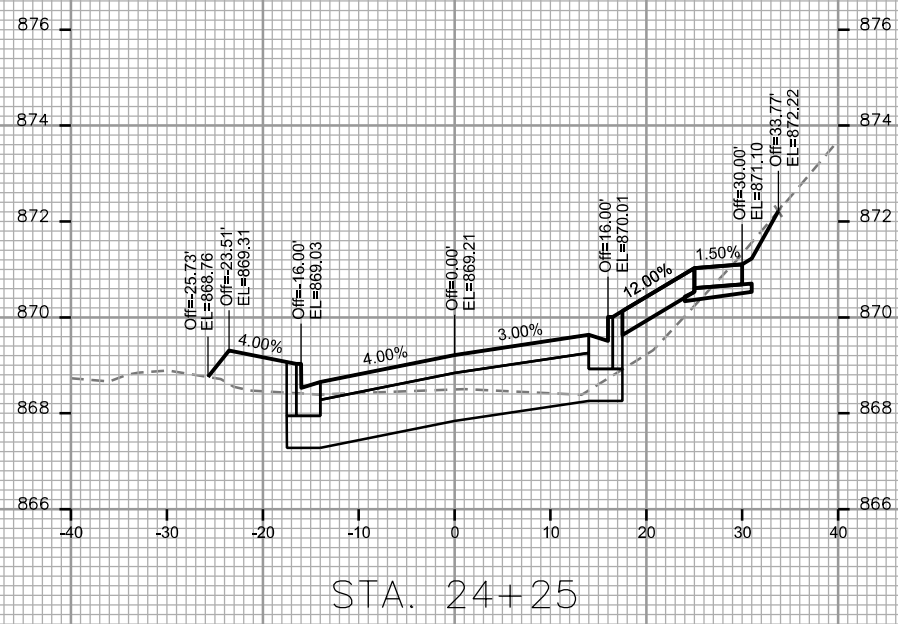
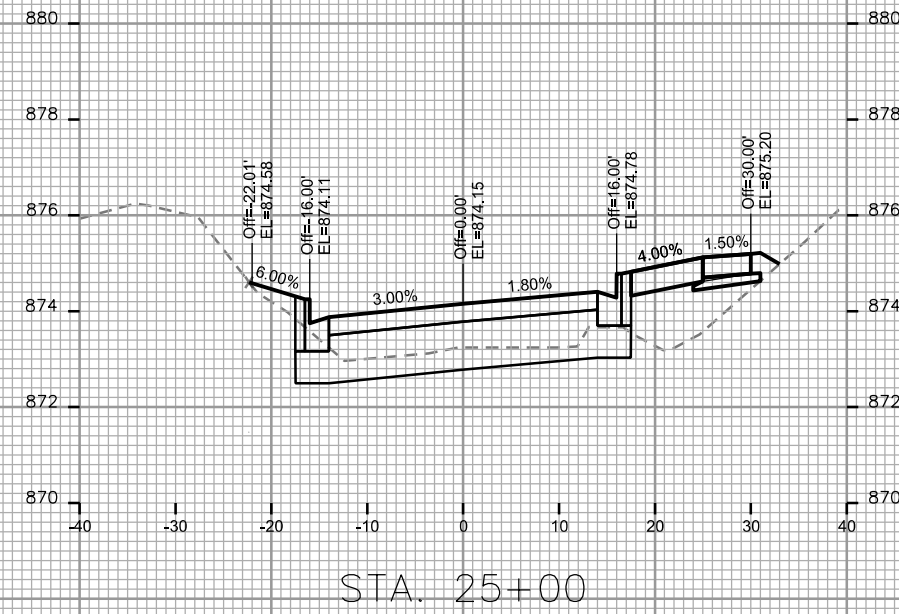
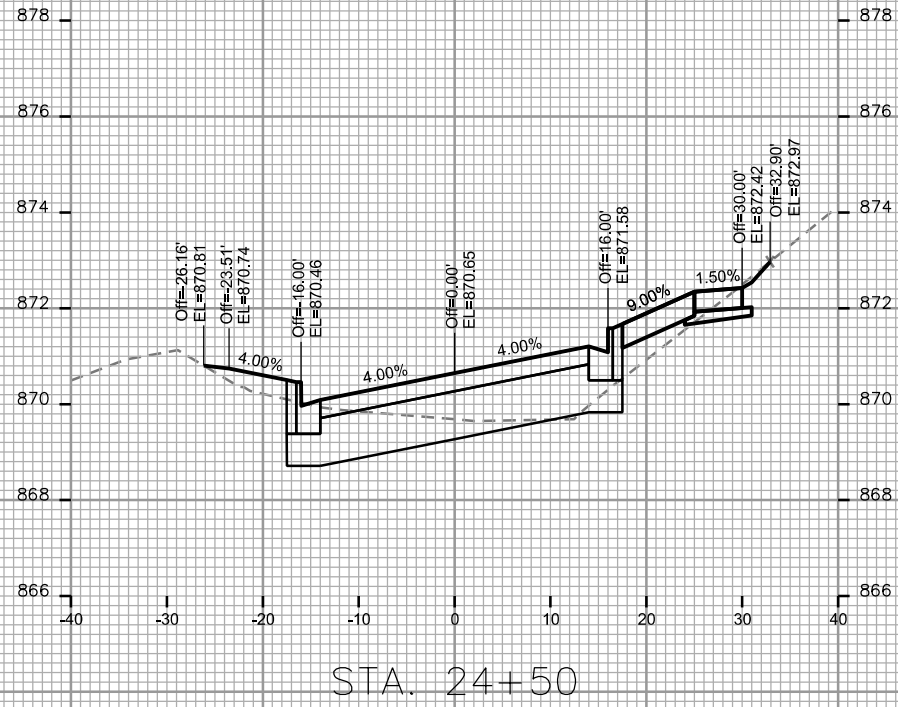
CROSS SECTIONS
 KOSTER STREET CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

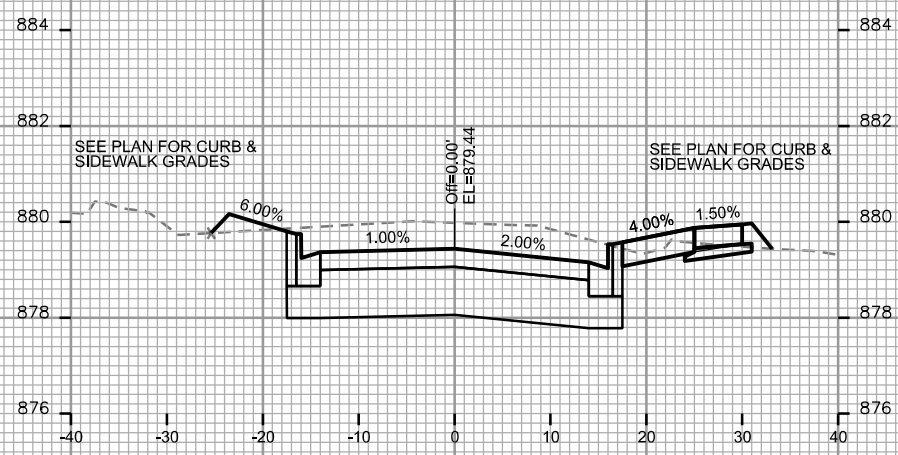
KOSTER STREET CITY OF MADISON

PLOT SCALE: _____

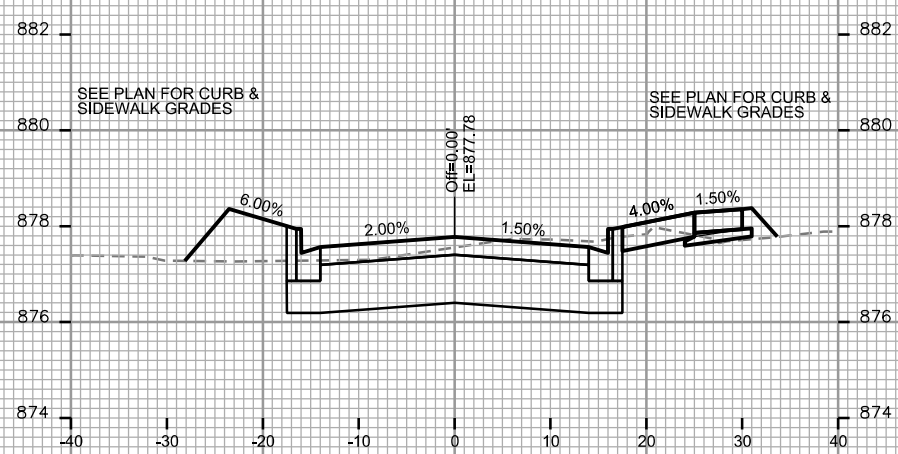
PLOT NAME: _____

REV. DATE: _____

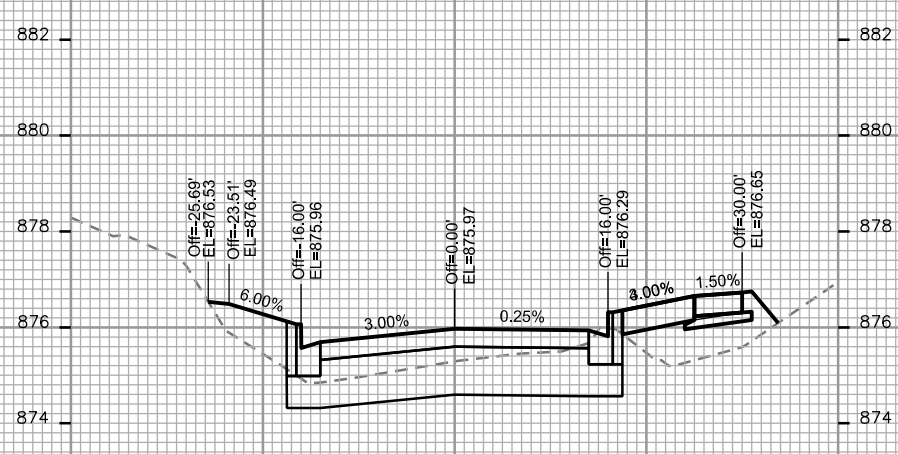
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



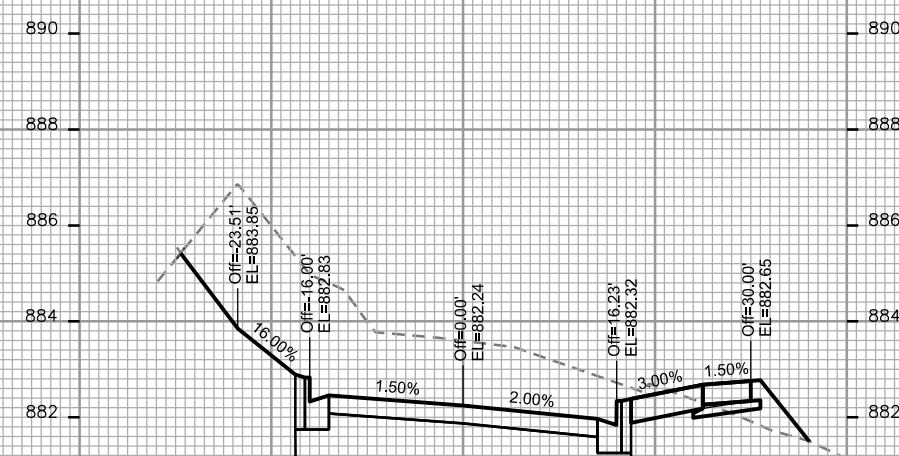
STA. 25+75



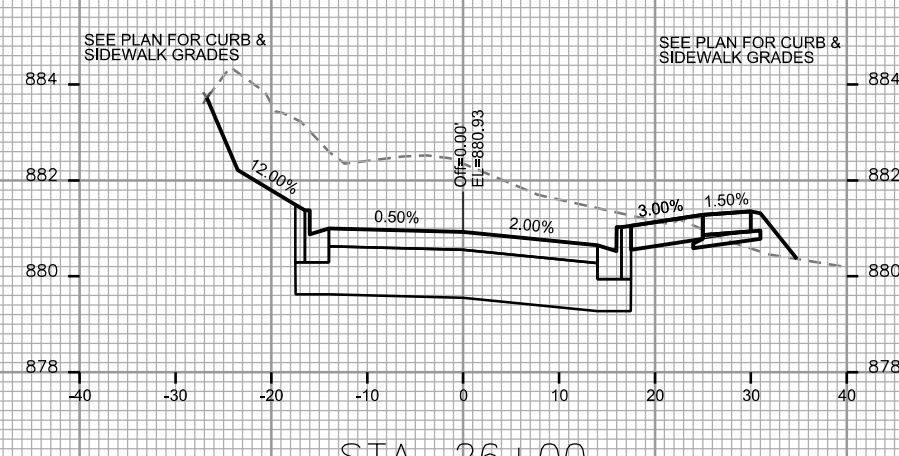
STA. 25+50



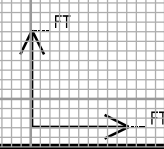
STA. 25+25



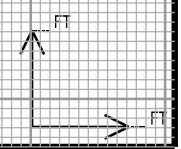
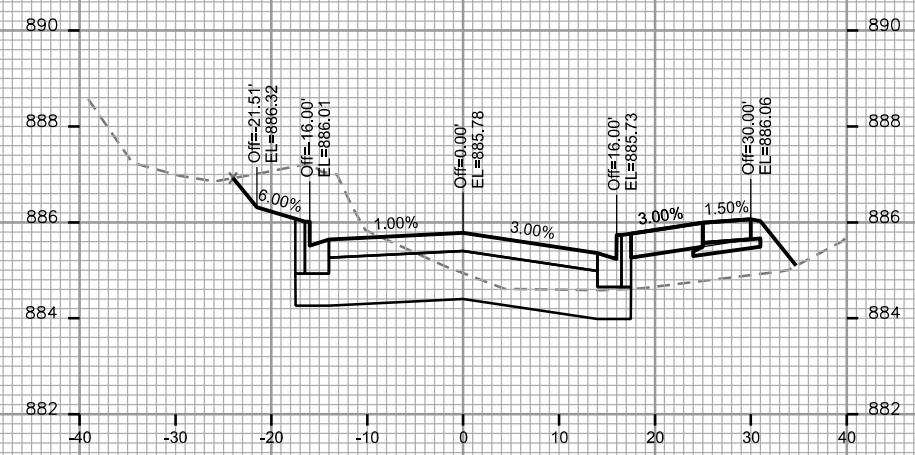
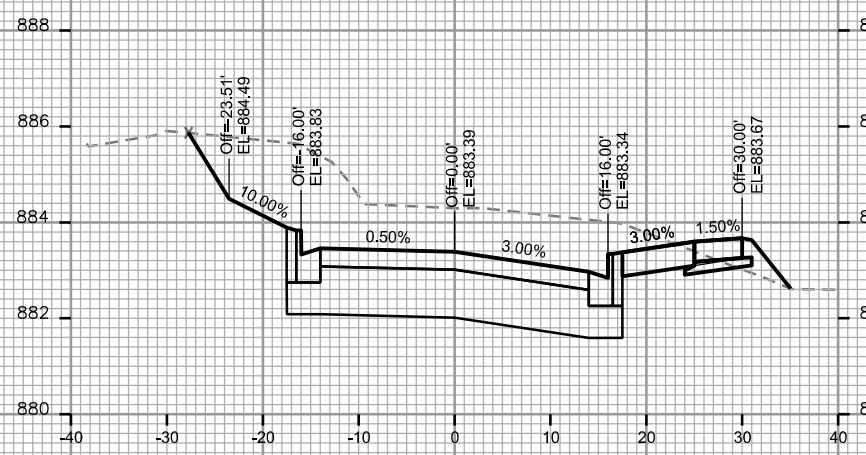
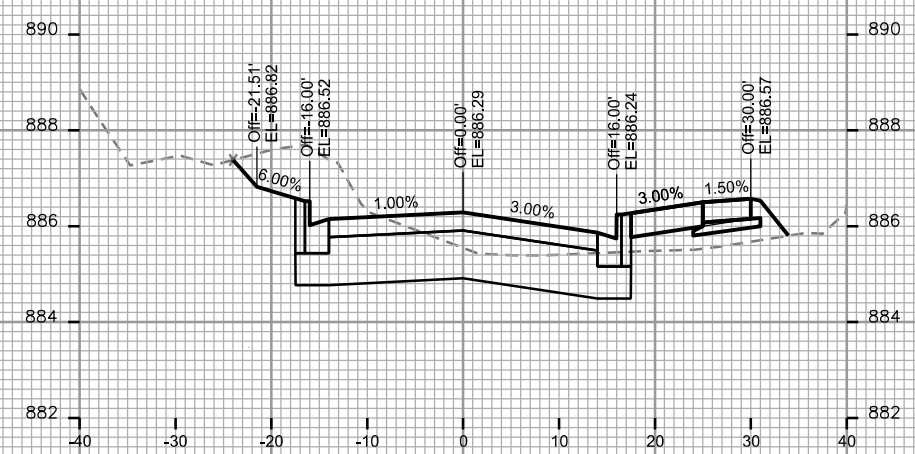
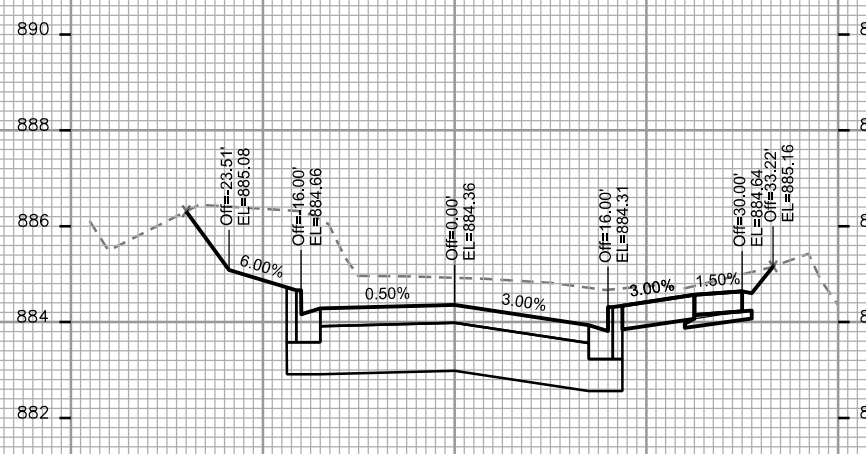
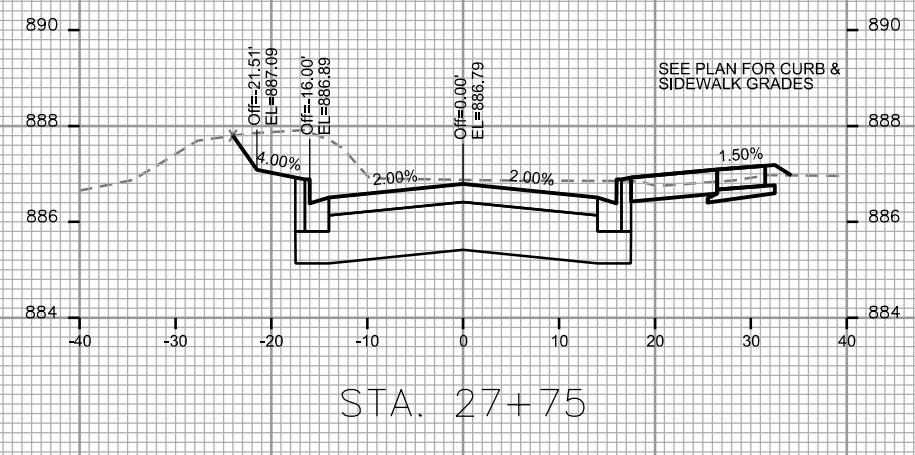
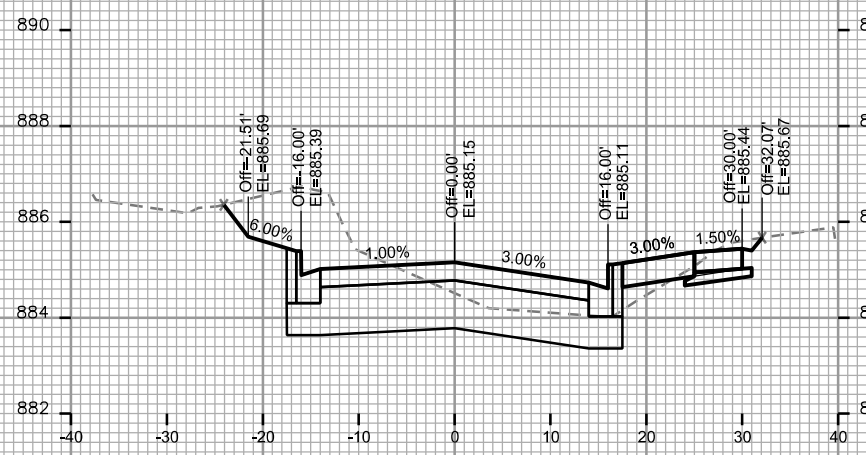
STA. 26+25



STA. 26+00



CROSS SECTIONS
N RUSK AVE CITY OF MADISON



PLOT SCALE: _____

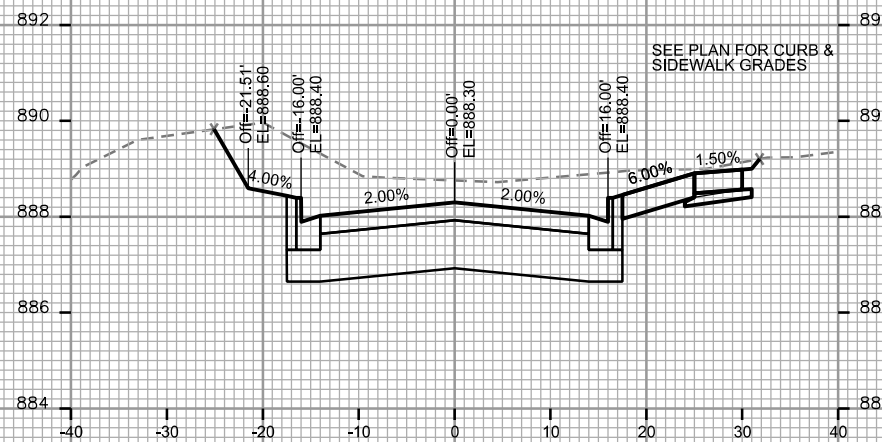
PLOT NAME: _____

REV. DATE: _____

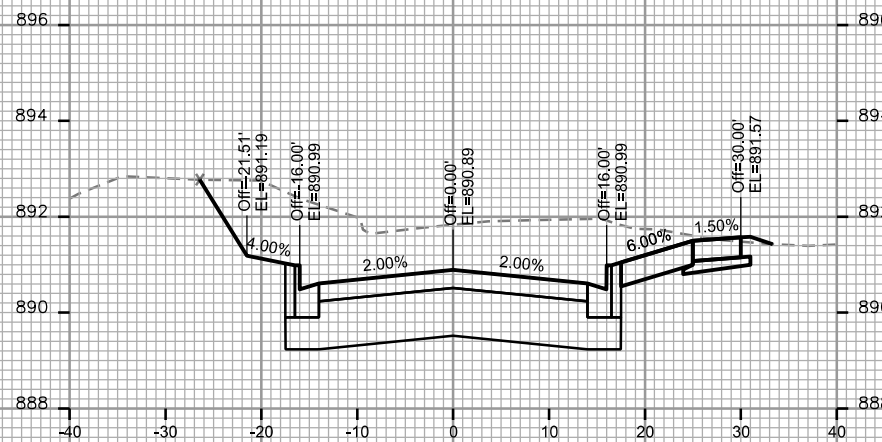
ORIGINATOR: CITY OF MADISON STREETS DIVISION

CROSS SECTIONS

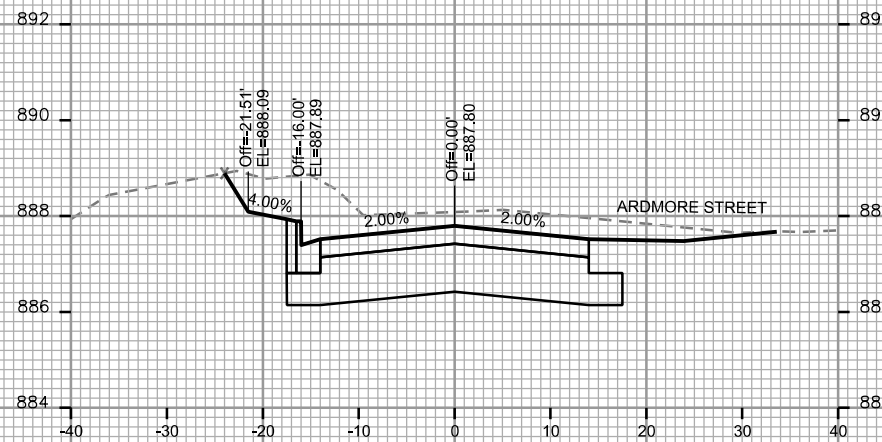
N RUSK AVE CITY OF MADISON



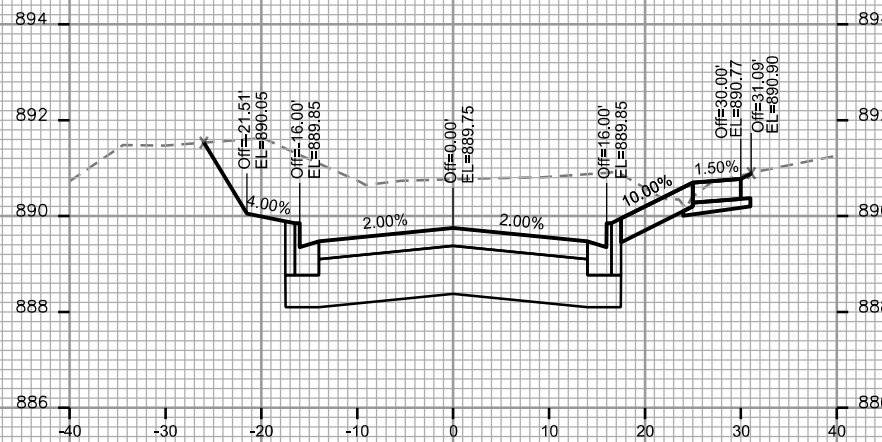
STA. 28+50



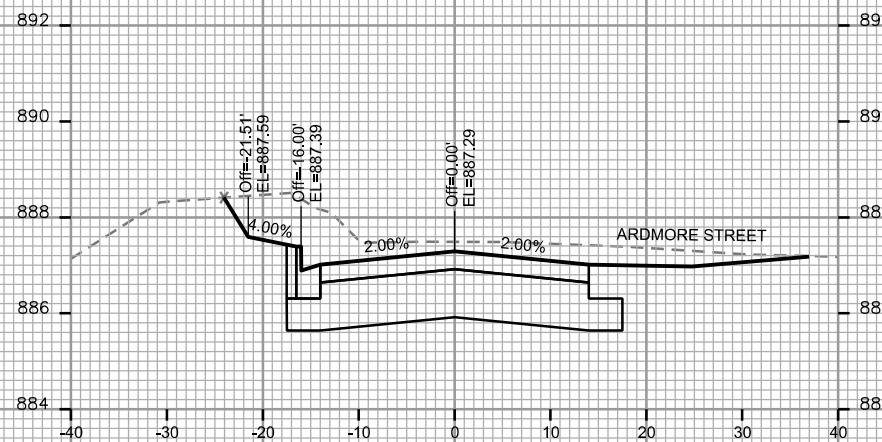
STA. 29+25



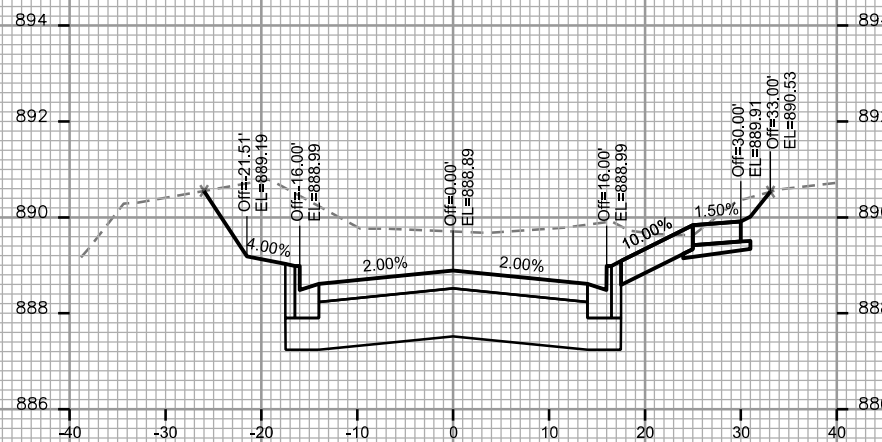
STA. 28+25



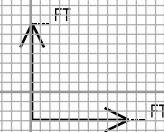
STA. 29+00



STA. 28+00



STA. 28+75



PLOT SCALE: _____

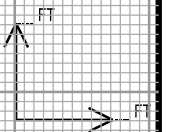
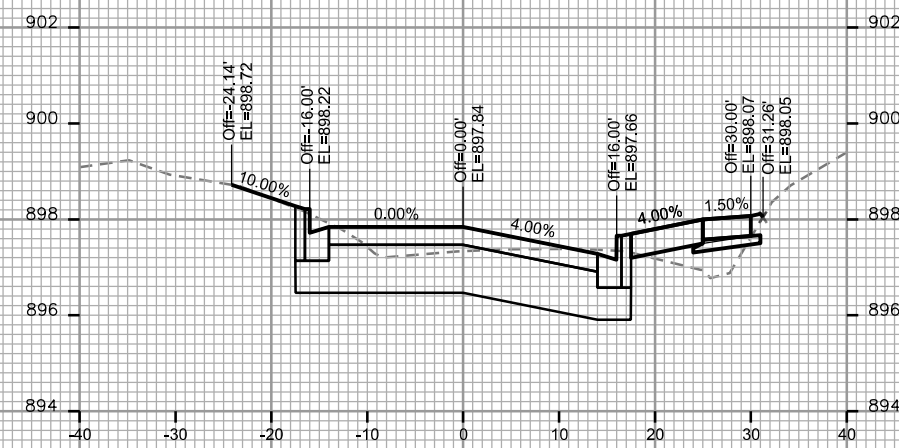
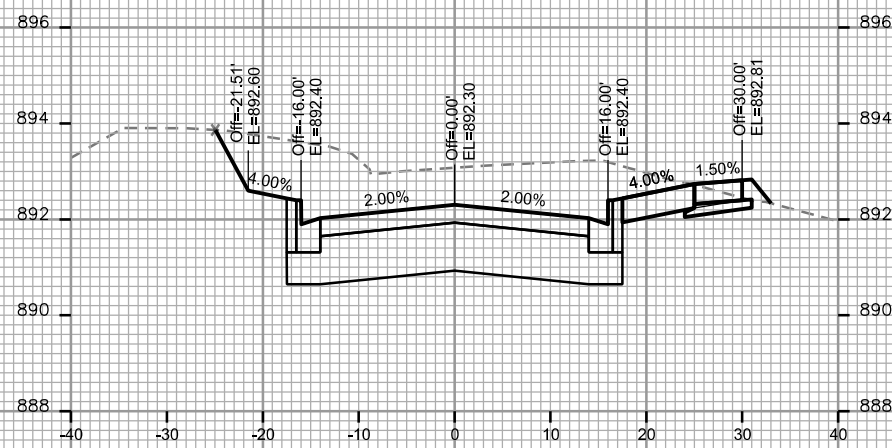
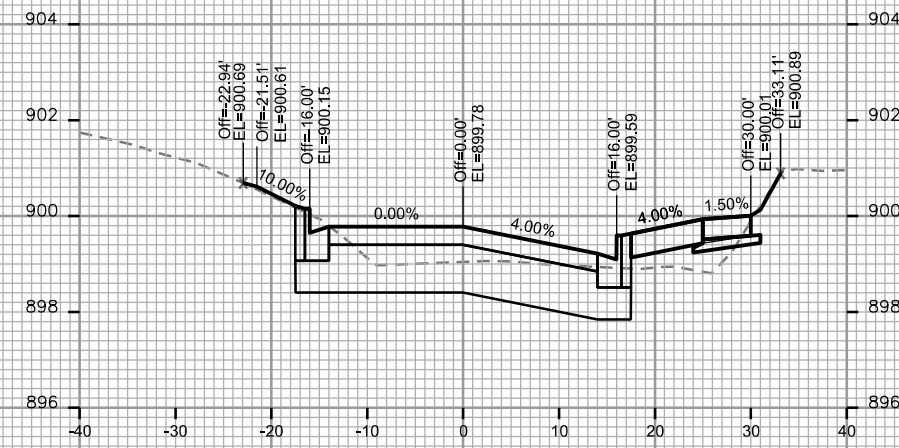
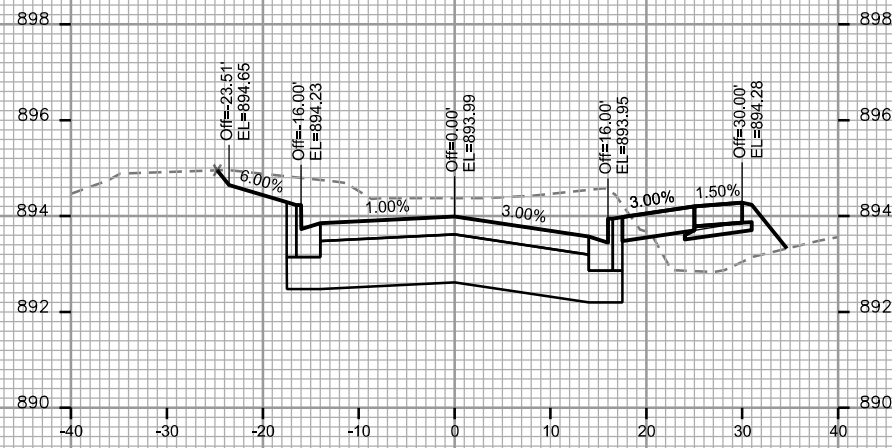
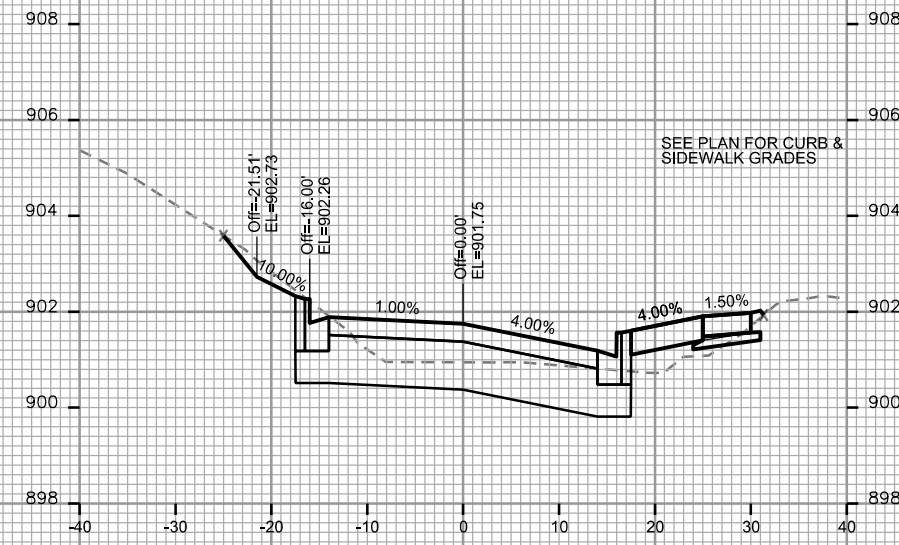
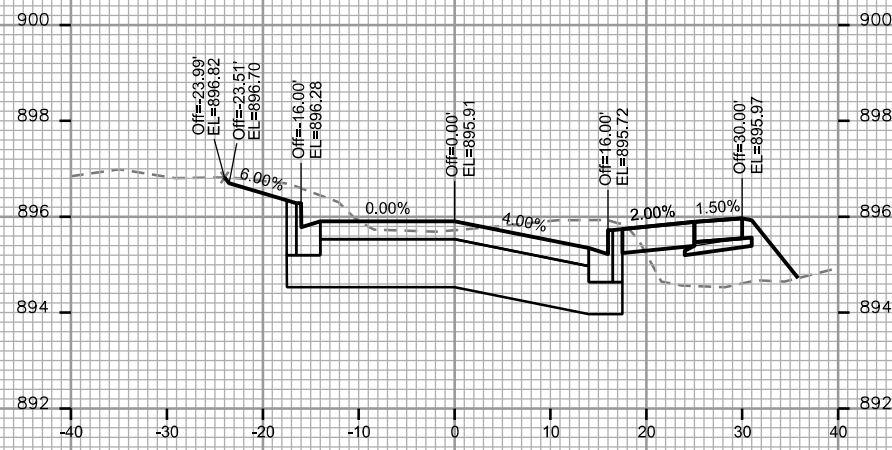
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

N RUSK AVE CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

N RUSK AVE

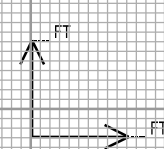
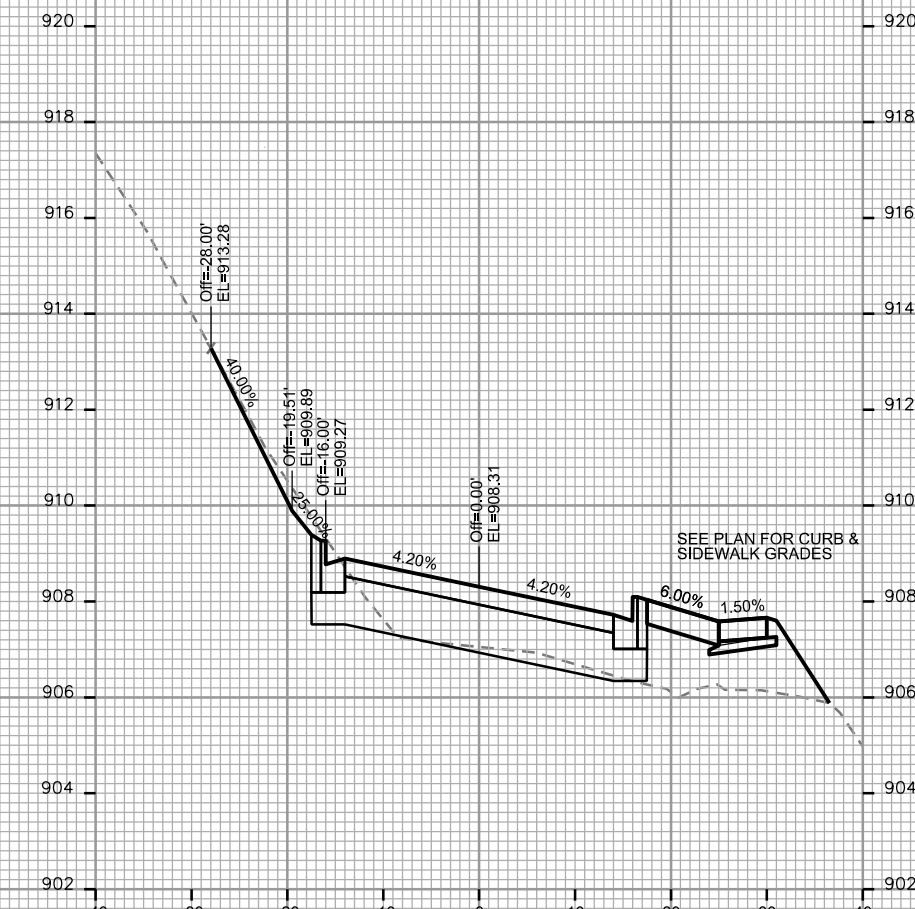
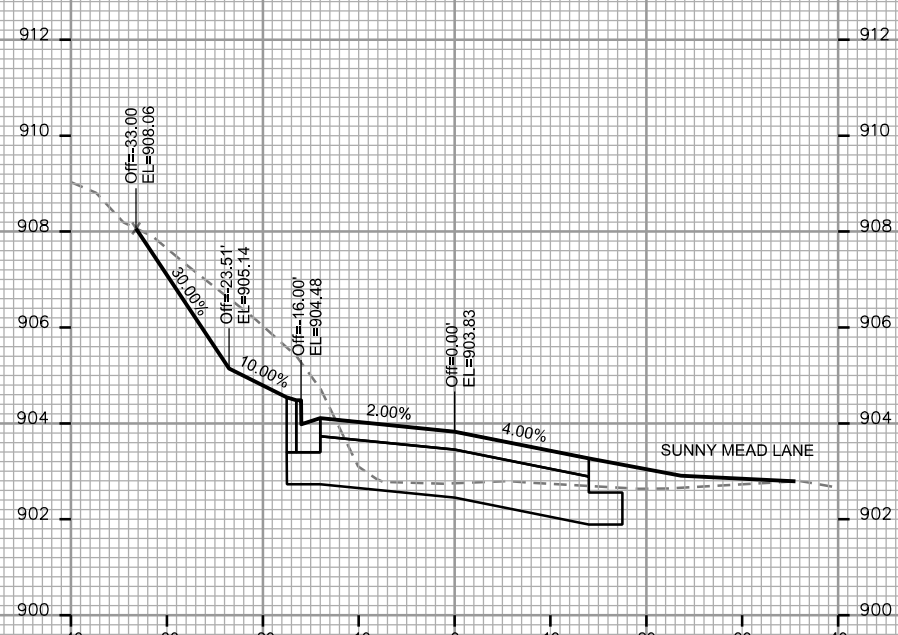
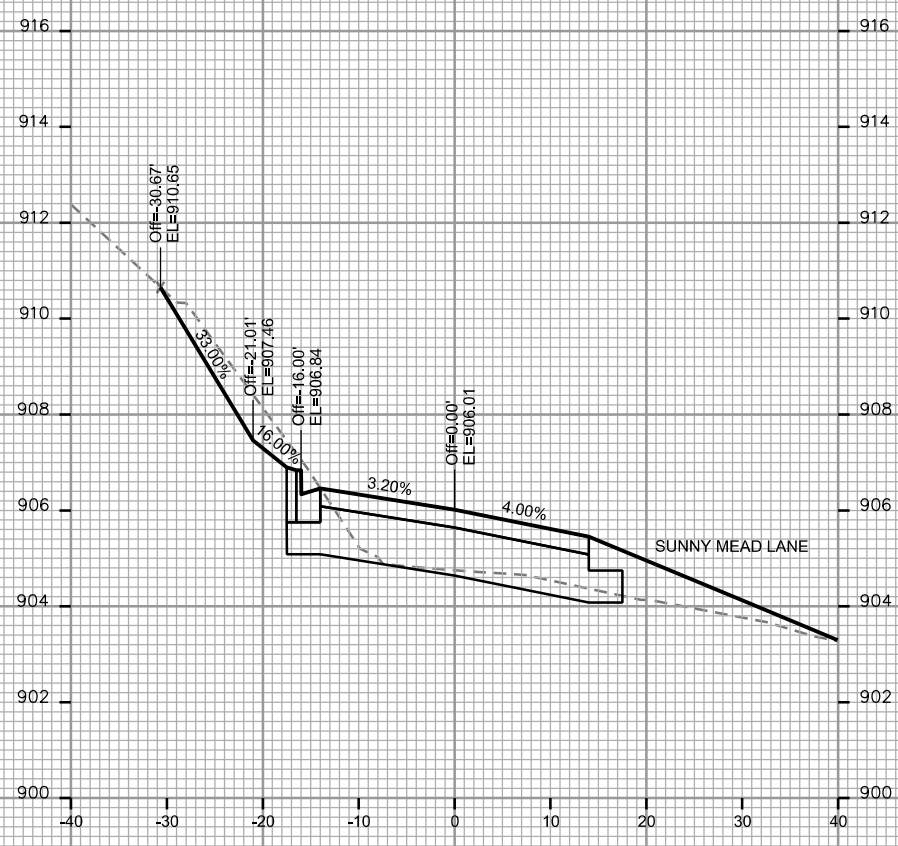
CITY OF MADISON

PLOT SCALE: _____

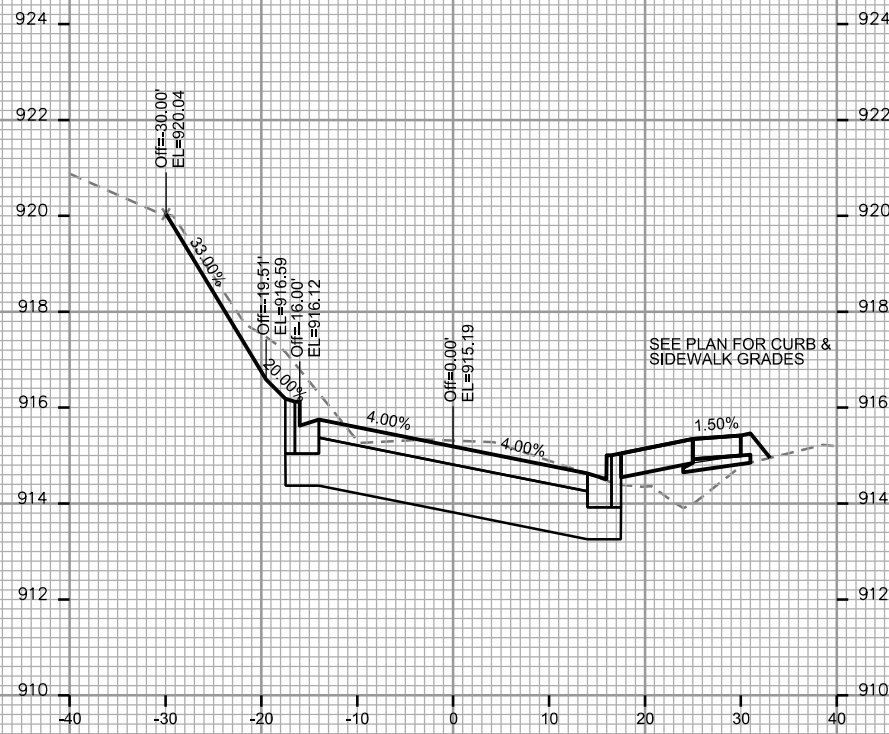
PLOT NAME: _____

REV. DATE: _____

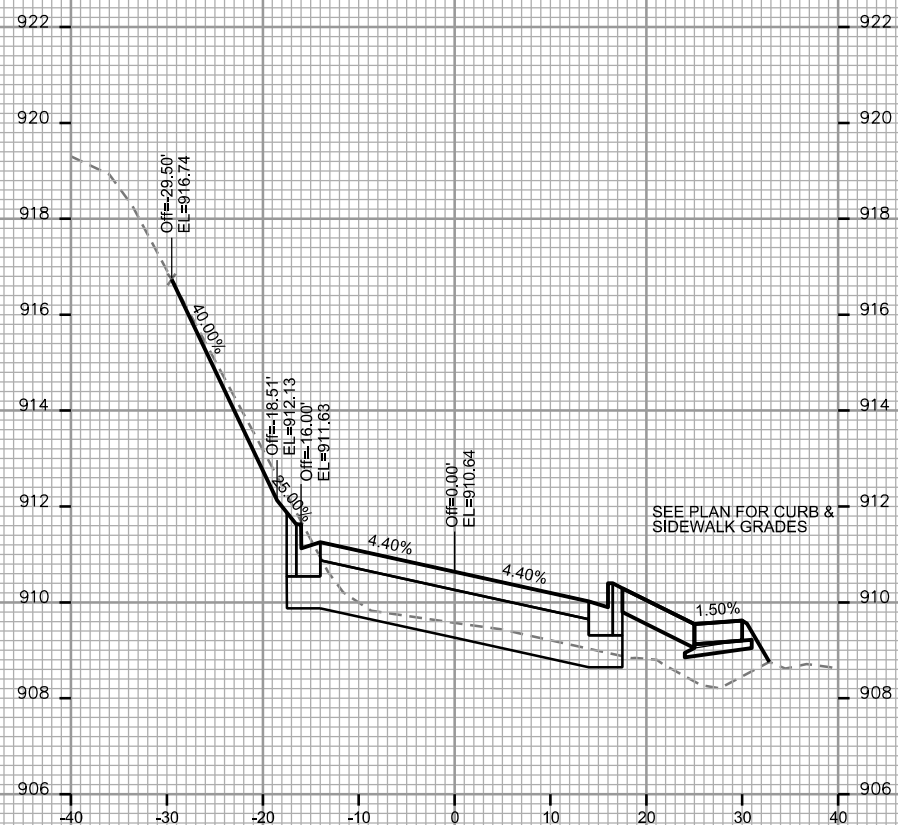
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



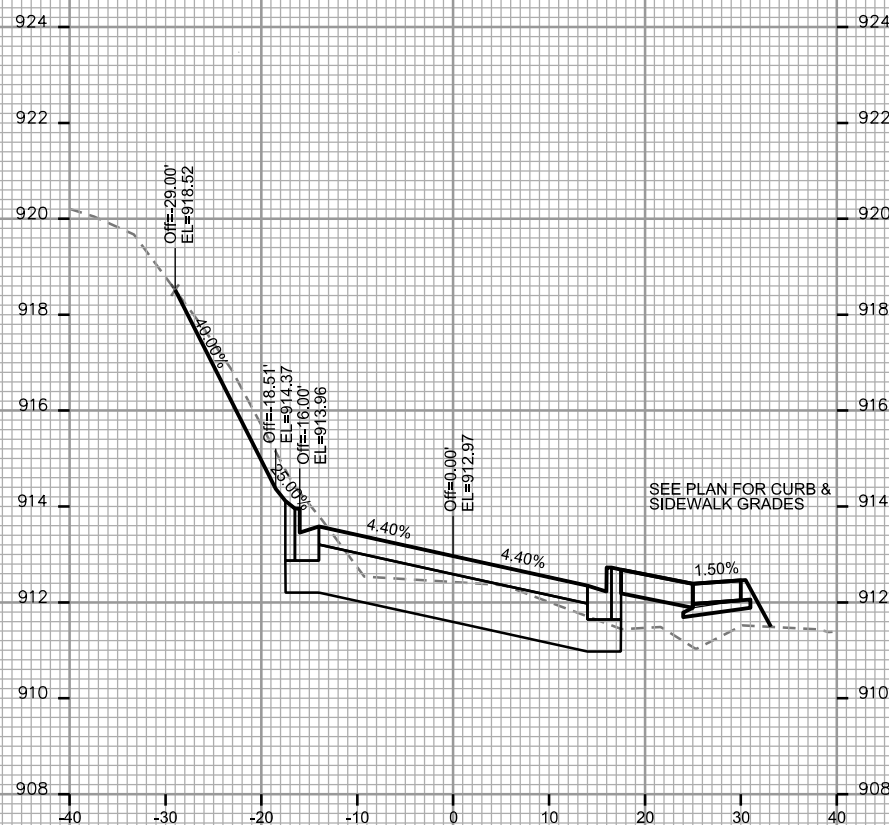
CROSS SECTIONS
 N RUSK AVE CITY OF MADISON



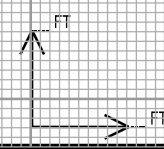
STA. 32+25



STA. 31+75



STA. 32+00



PLOT SCALE: _____

PLOT NAME: _____

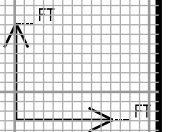
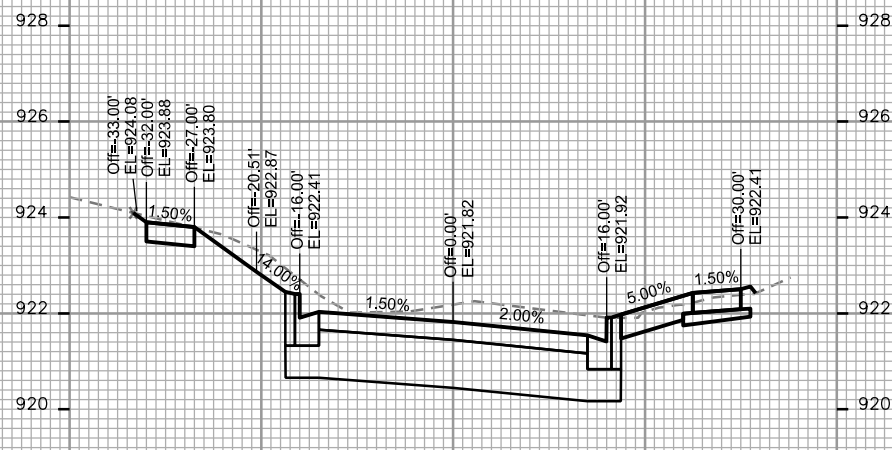
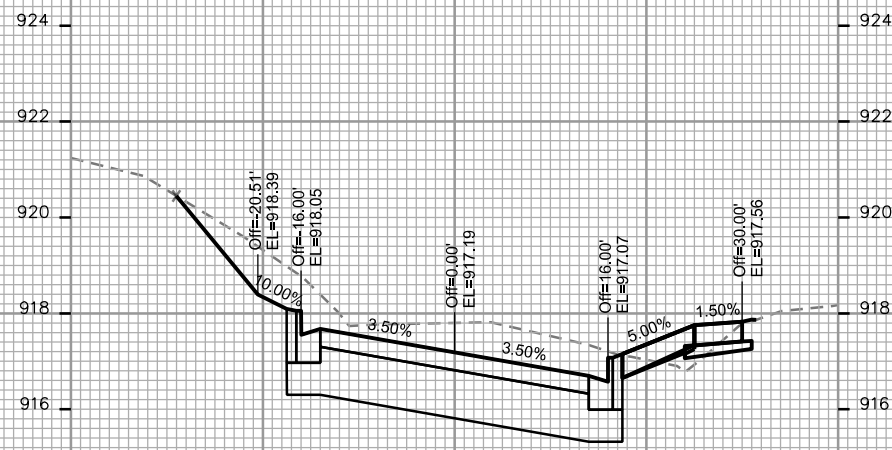
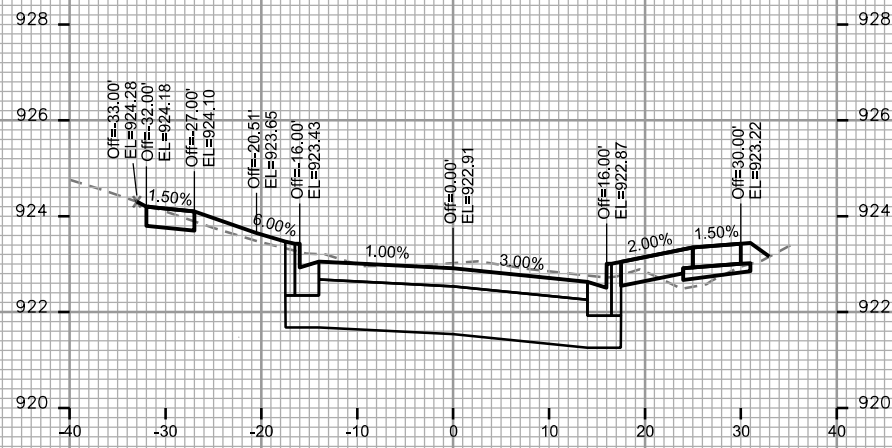
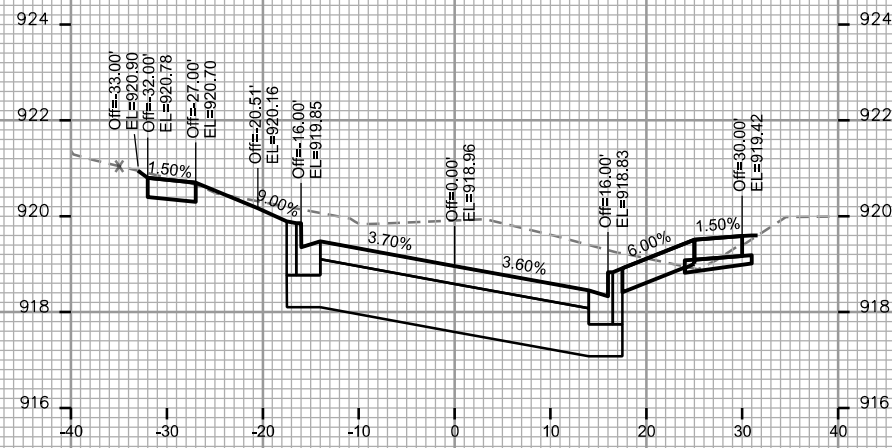
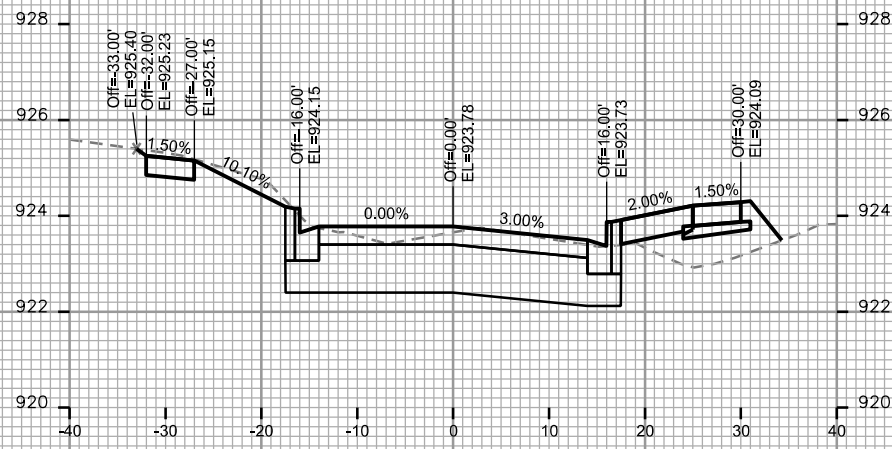
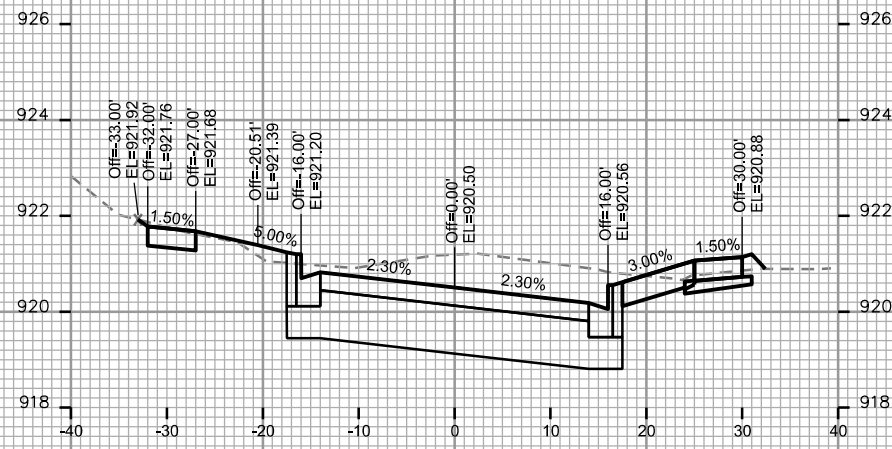
REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

N RUSK AVE

CITY OF MADISON

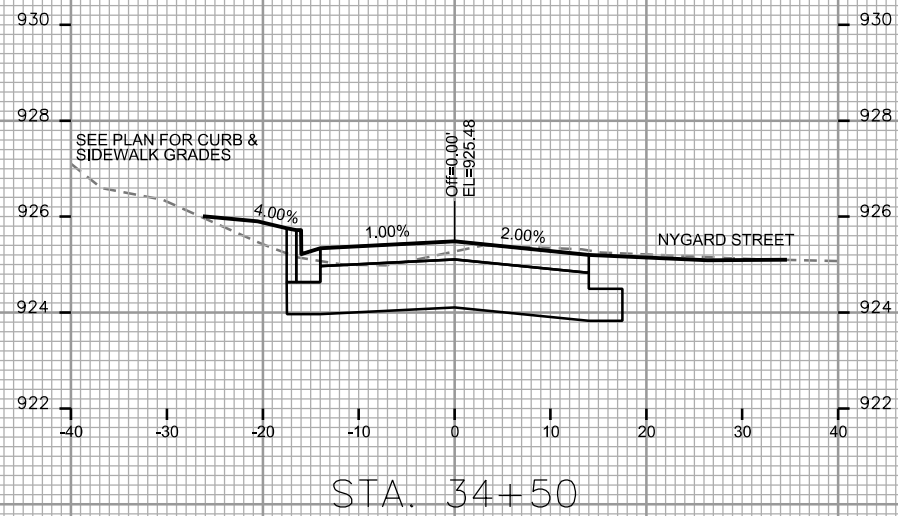


PLOT SCALE: _____

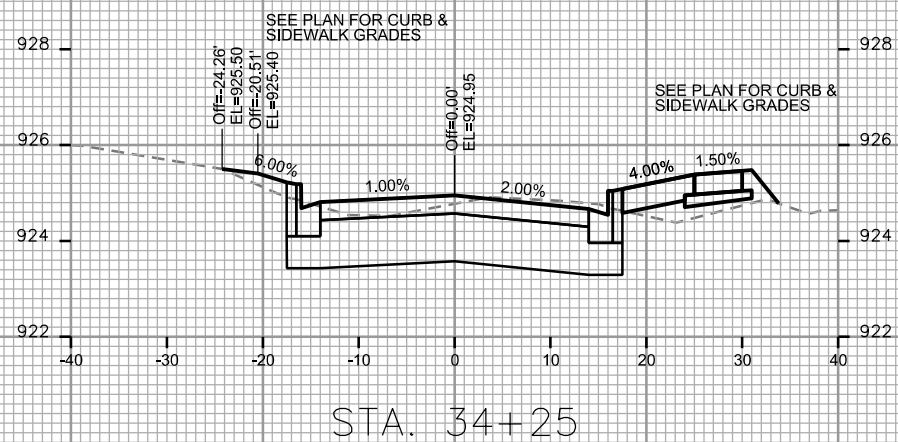
PLOT NAME: _____

REV. DATE: _____

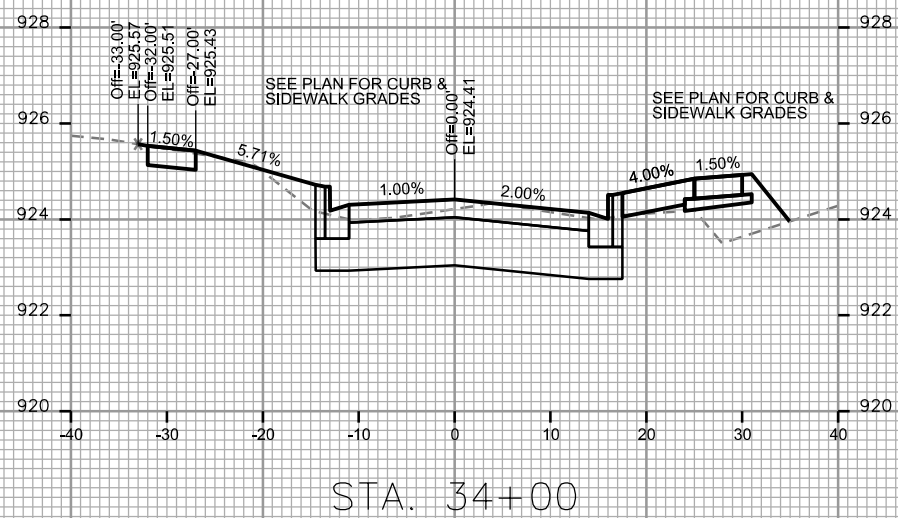
ORIGINATOR: CITY OF MADISON STREETS DIVISION



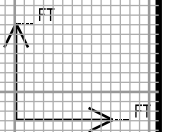
STA. 34+50



STA. 34+25



STA. 34+00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION