

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

DAVIDSON ST, DEMPSEY RD, MAHER AVE, PARK CT,
DREXEL AVE & LAKE EDGE BLVD ASSESSMENT DISTRICT-2019

CITY PROJECT NO. 11890
CITY CONTRACT NO. 8305

PUBLIC IMPROVEMENT PROJECT
APPROVED

May 21, 2019

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

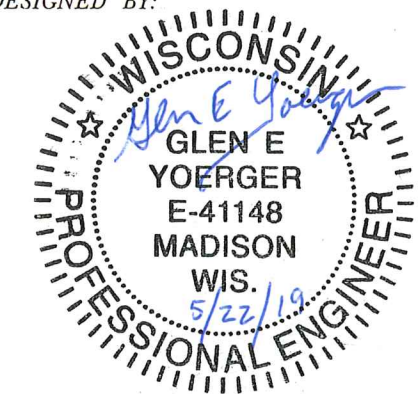
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

City Engineer

Date

[Signature] 5/24/19

STREET
DESIGNED BY:



STORM & SANITARY SEWER
DESIGNED BY:



GEOMETRY
DESIGNED BY:



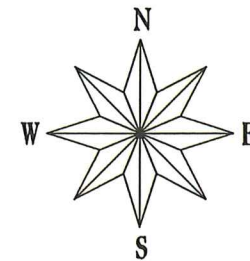
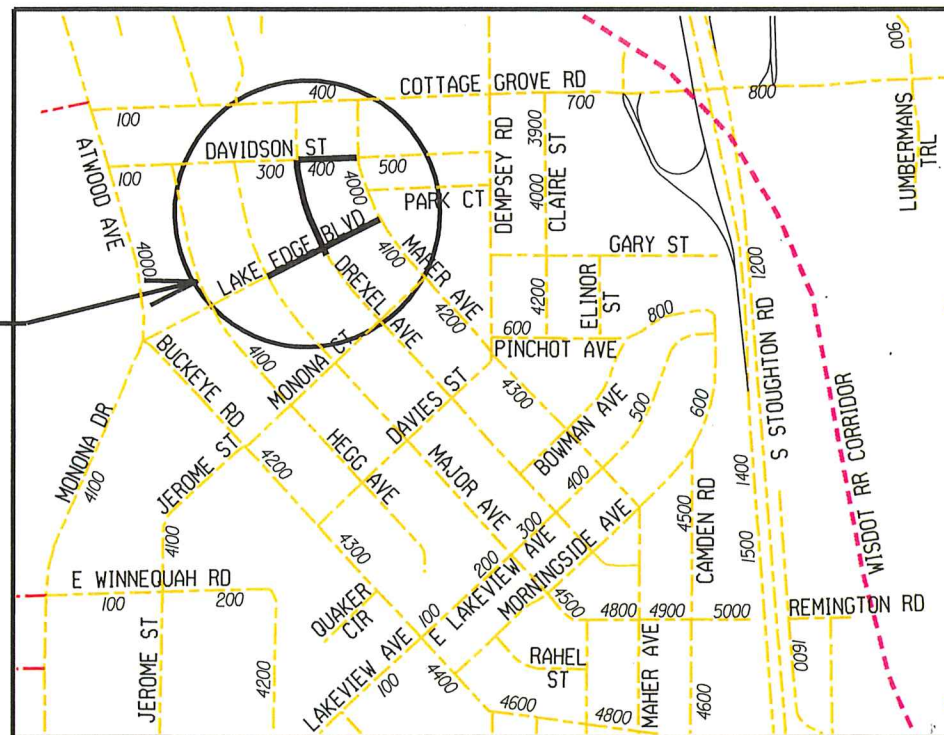
WATER
DESIGNED BY:



INDEX OF SHEETS

SHEET NO.	TITLE
1	
D1	DETAILS
EC1-EC5	EROSION CONTROL PLANS-
P1-P4	STREET PLAN & PROFILES
U1-U5	UTILITY PLAN & PROFILES
U6-U7	SEWER SCHEDULES
W1-W5	WATER PLAN & PROFILES
W6	WATER SYSTEM IMPACT PLAN
W7	WATER ESTIMATE OF MATERIALS
X1-X13	CROSS SECTIONS

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 1.50%.

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 (DAVIDSON ST) (MEASURED PLAN QUANTITY)..... 526 C.Y.
EXCAVATION CUT (DREXEL AVE) (MEASURED PLAN QUANTITY)..... 1128 C.Y.
EXCAVATION CUT (LAKE EDGE BLVD) (MEASURED PLAN QUANTITY)..... 1433 C.Y.

TOTAL MEASURED PLAN QUANTITY 3087 C.Y.

ESTIMATED UNDISTRIBUTED UNDERCUT (UNDISTRIBUTED)..... 620 C.Y.

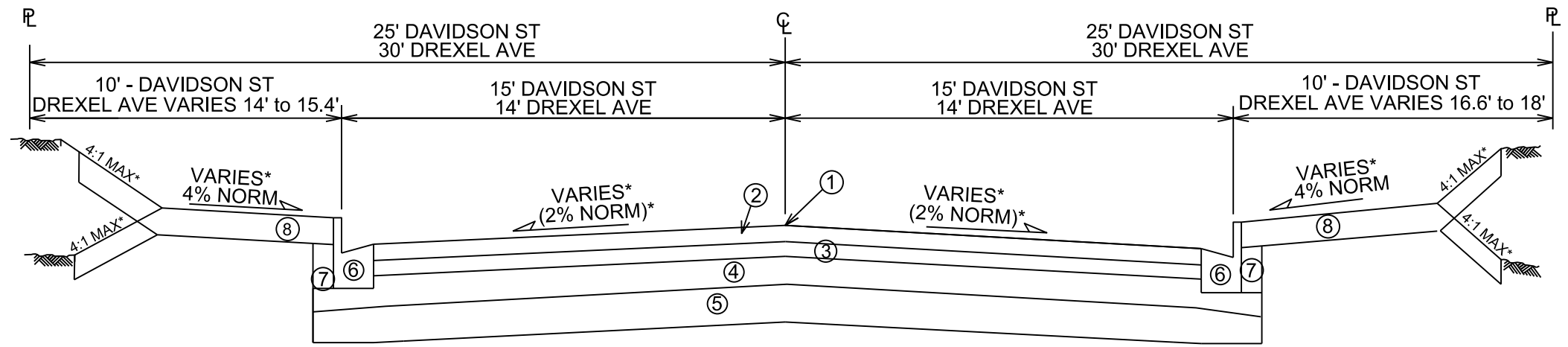
TOTAL UNCLASSIFIED EXCAVATION CUT..... 3707 C.Y.

PLOT SCALE:

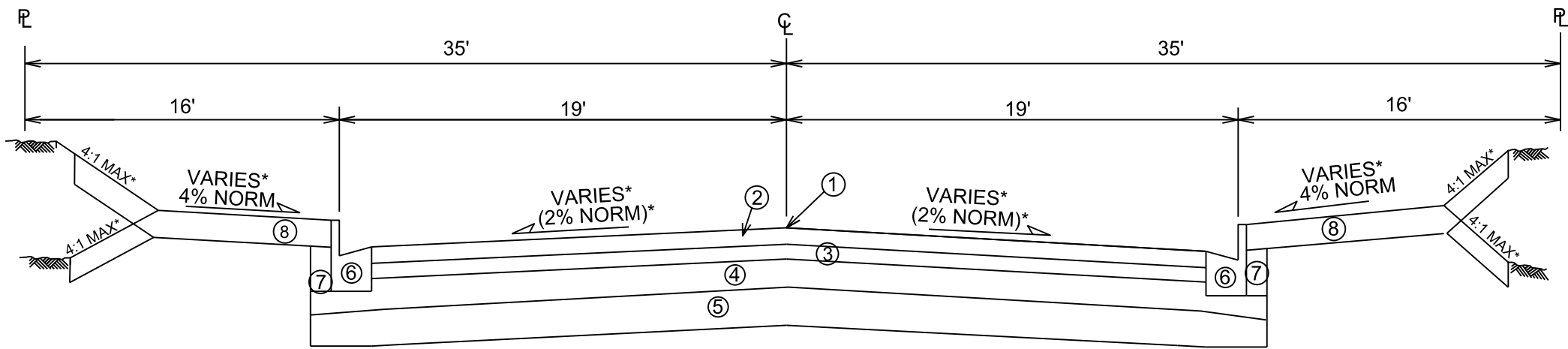
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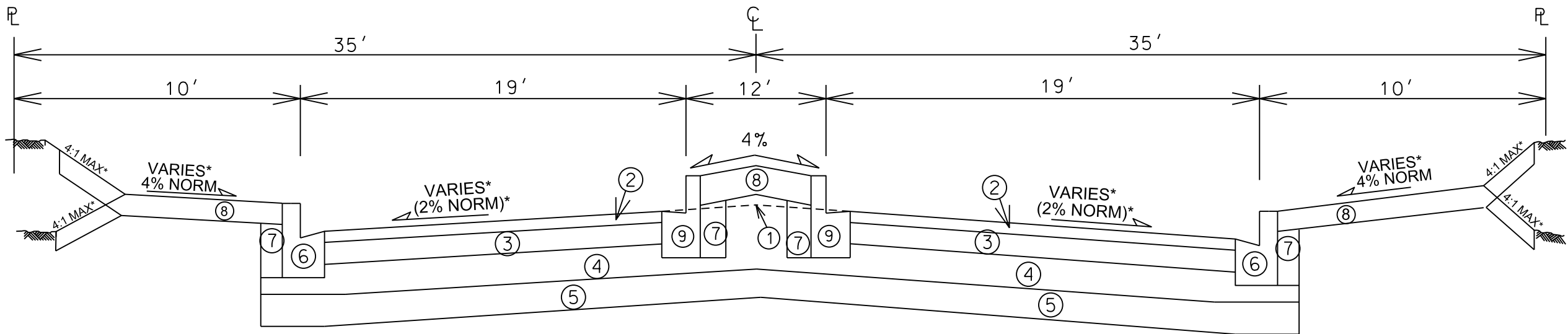
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL FINISHED SECTION
 DAVIDSON STREET (STA 21+50 to 24+00)
 DREXEL AVENUE (STA 10+75 to STA 16+25)



TYPICAL FINISHED SECTION
 LAKE EDGE BLVD
 STA 314+50 to STA 316+25



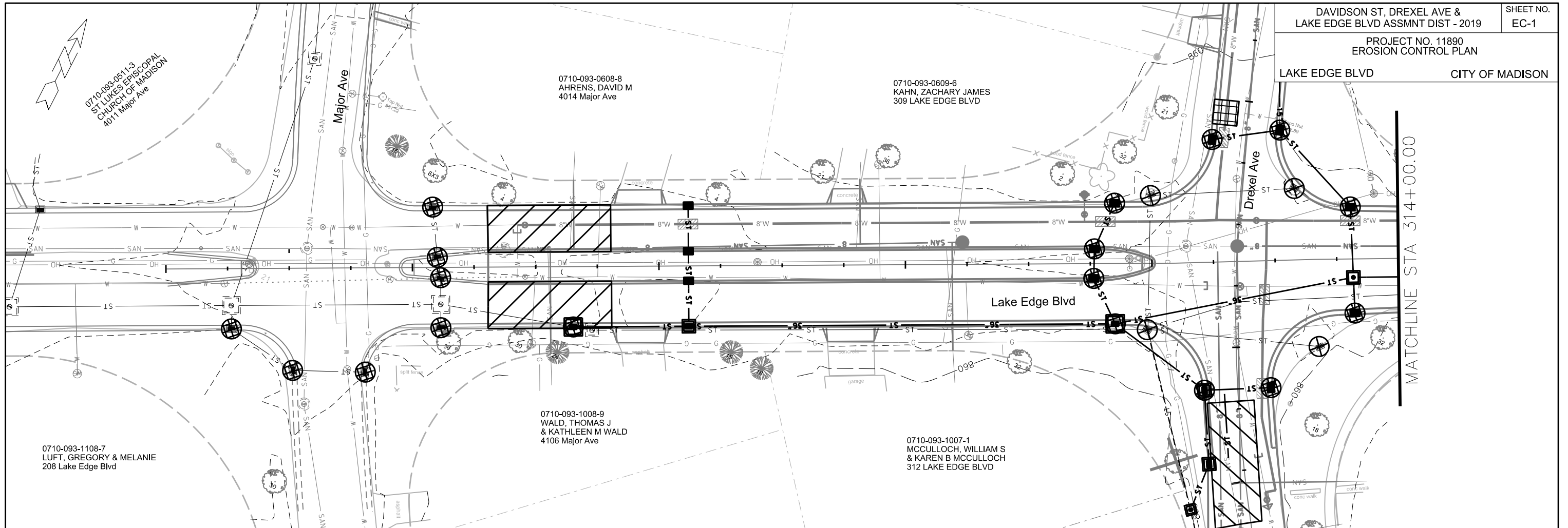
TYPICAL FINISHED SECTION
 LAKE EDGE BLVD
 STA 310+30.54 to STA 312+76.71

- LEGEND**
- ① POINT REFERRED TO ON PROFILE
 - ② 1.75" HMA PAVEMENT - TYPE 4 LT 58-28 S (UPPER LAYER)
 - ③ 1.75" HMA PAVEMENT - TYPE 4 LT 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 CONCRETE CURB AND GUTTER, TYPE H

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

TYPICAL SECTIONS NOT TO SCALE

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



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

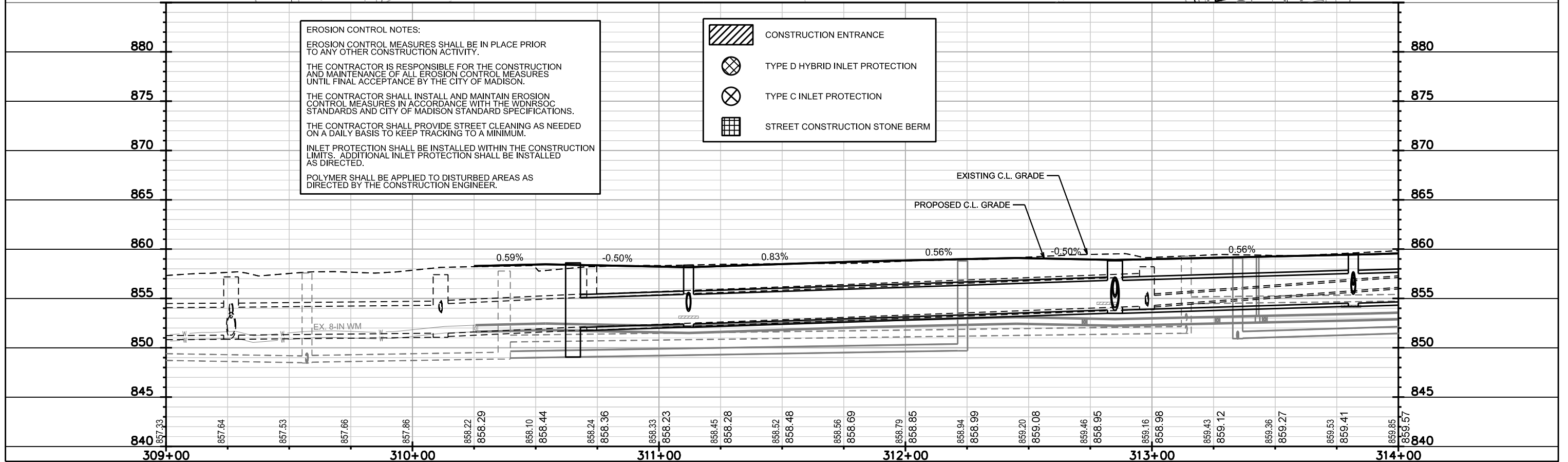
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THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

	CONSTRUCTION ENTRANCE
	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM



PLOT SCALE:

PLOT NAME:

REV. DATE:

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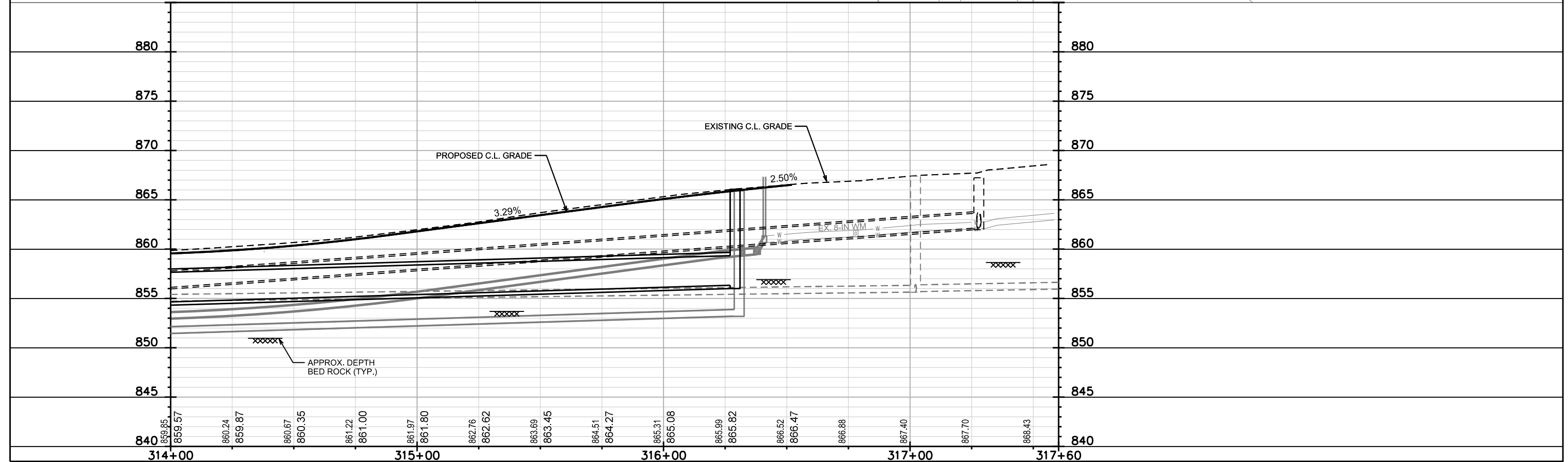
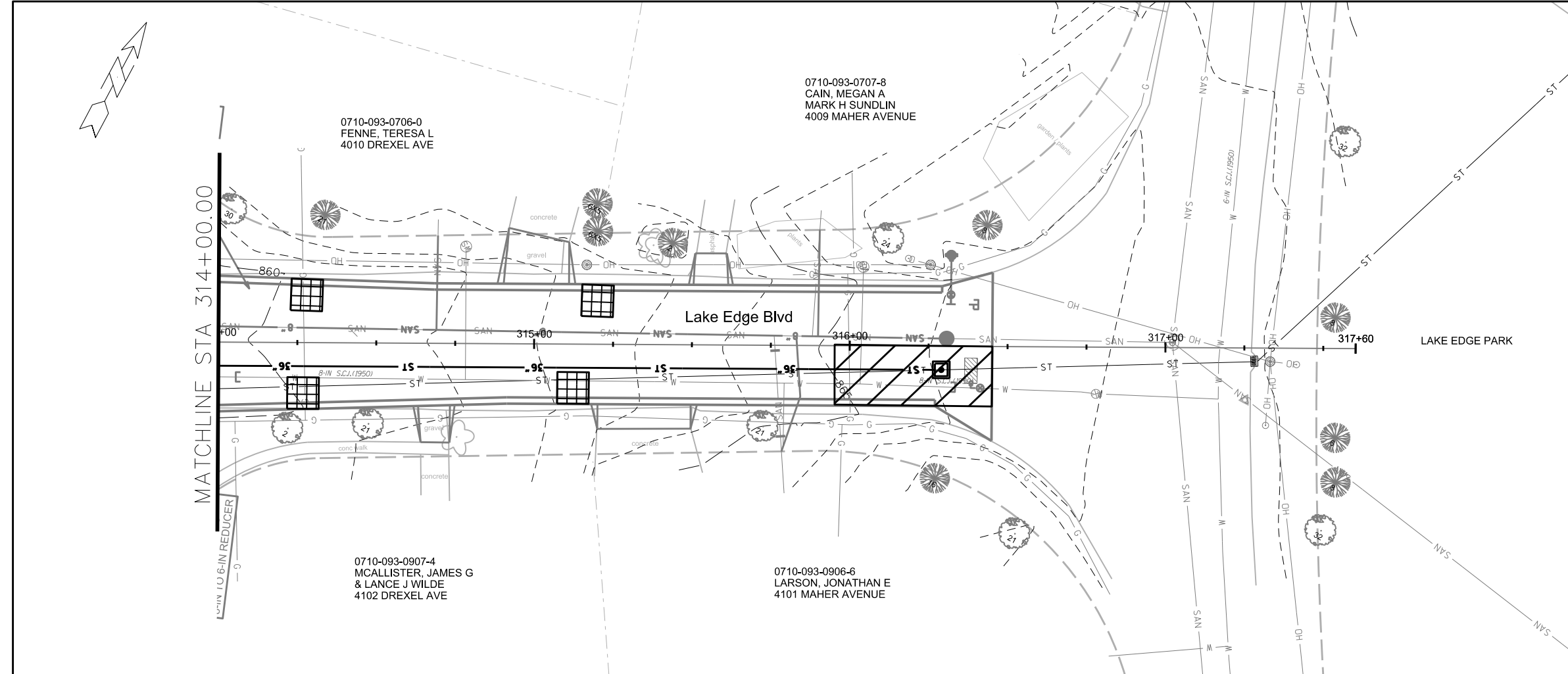
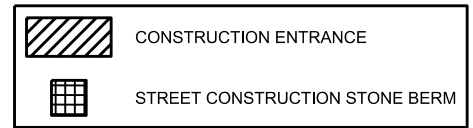
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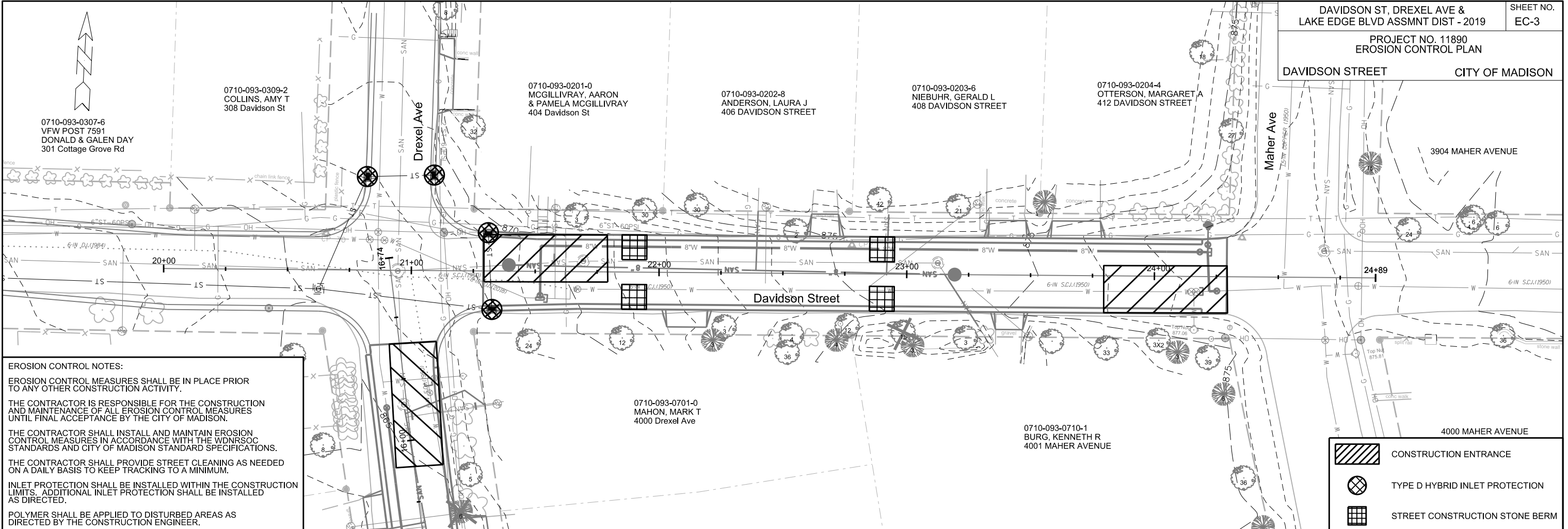
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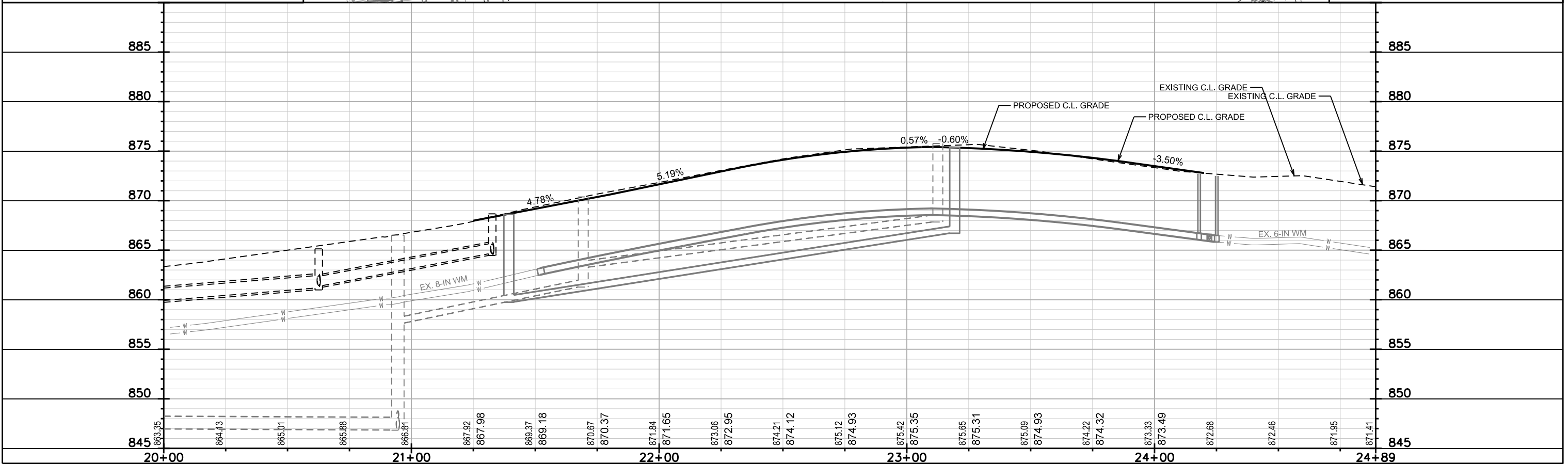
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PROJECT NO. 11890
 EROSION CONTROL PLAN
 DAVIDSON STREET CITY OF MADISON

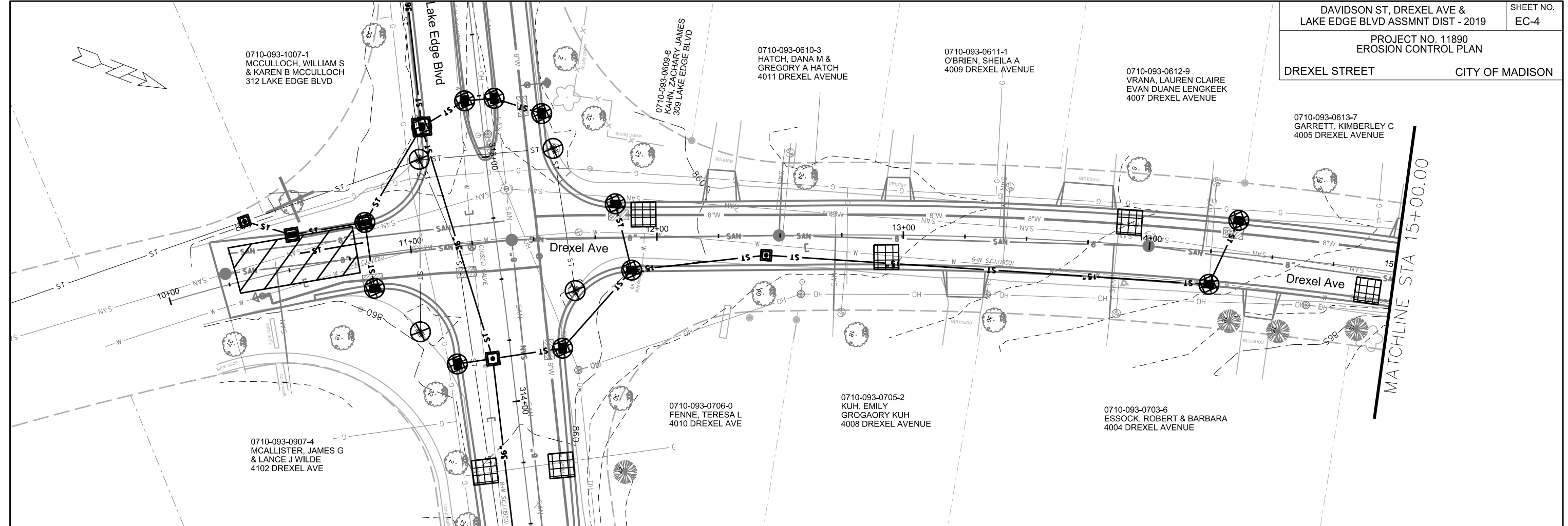


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	STREET CONSTRUCTION STONE BERM

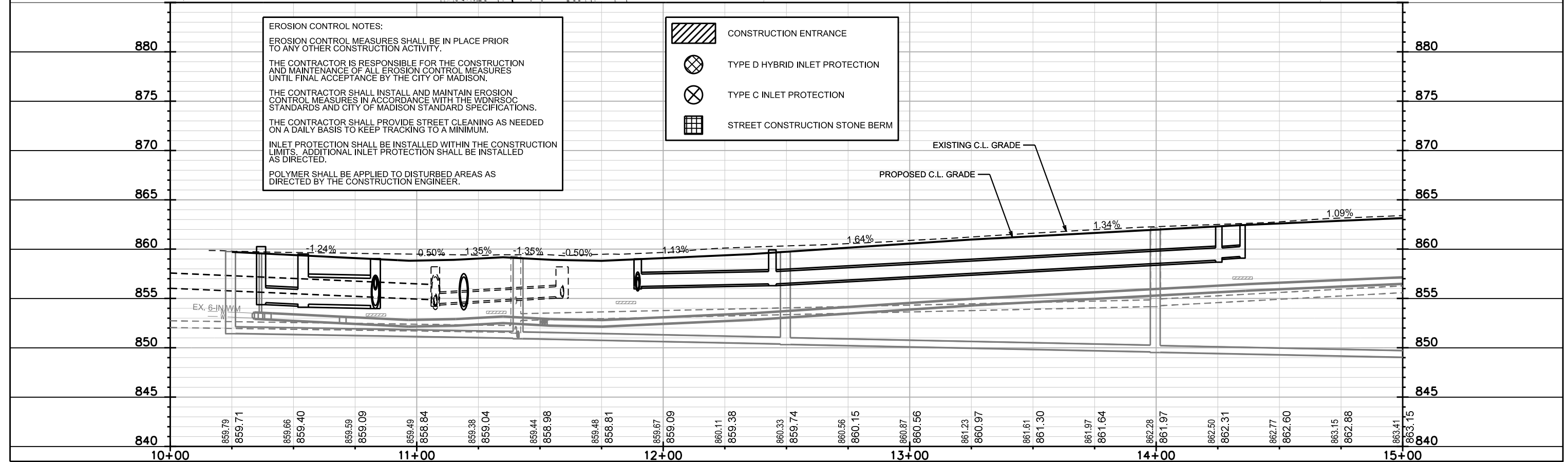


PLOT SCALE:
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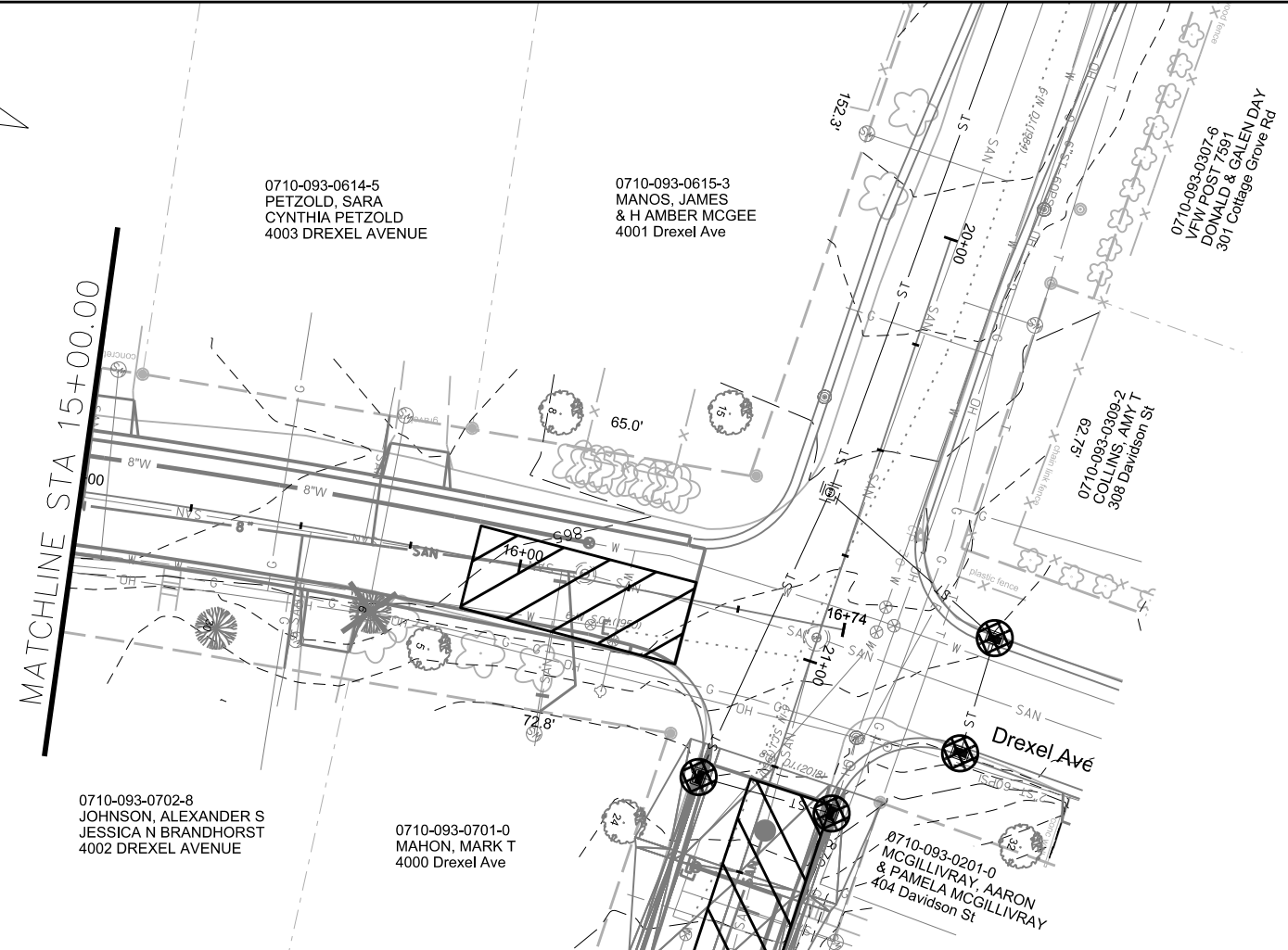


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	TYPE D HYBRID INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM



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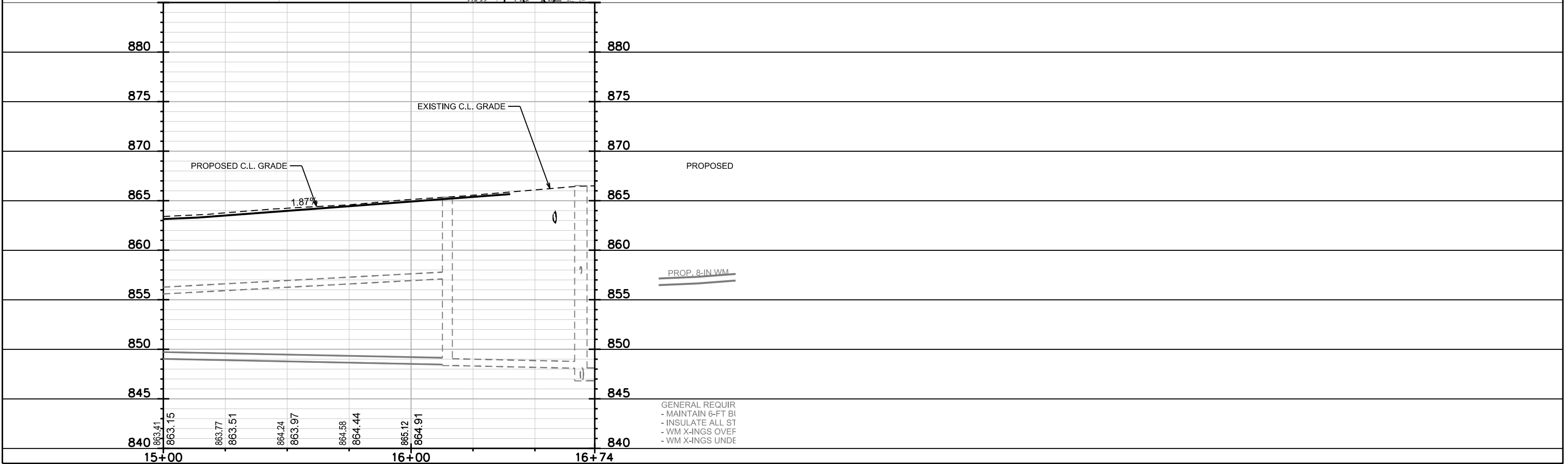
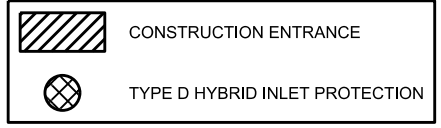
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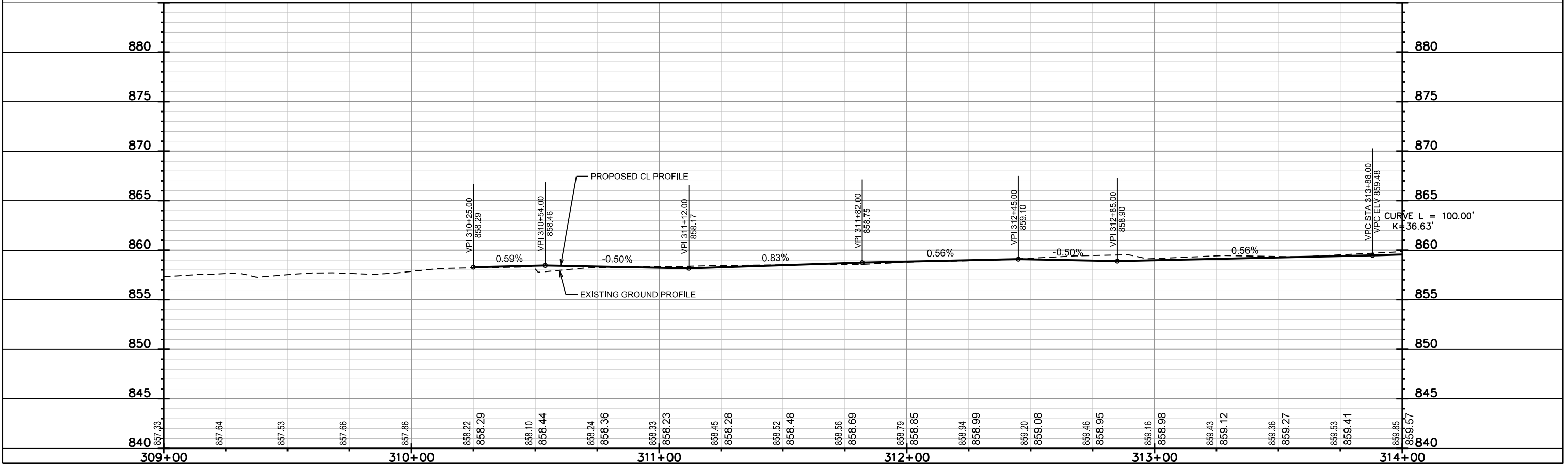
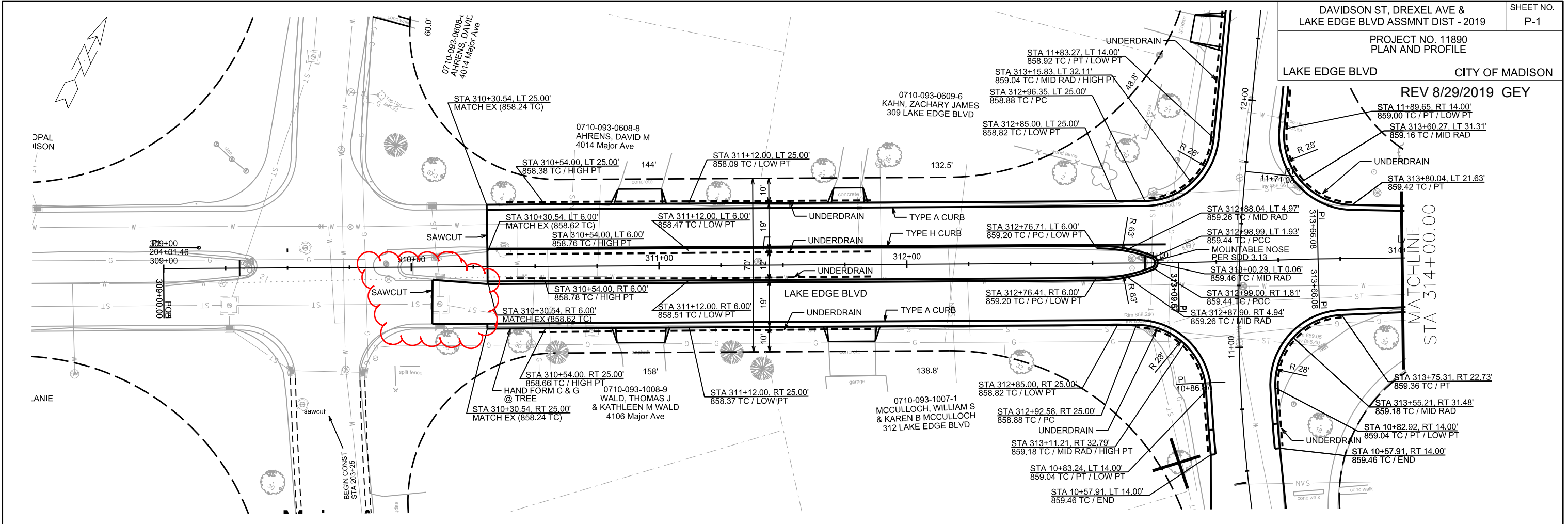
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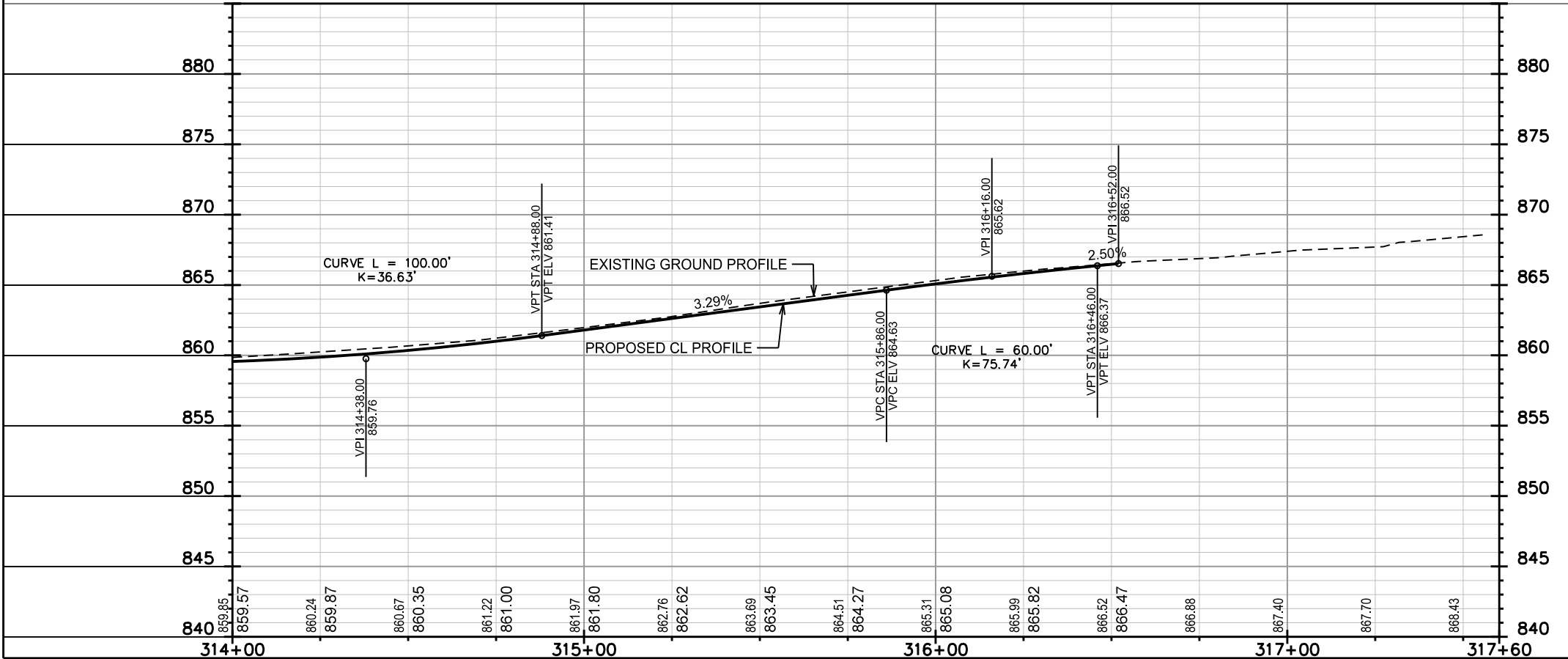
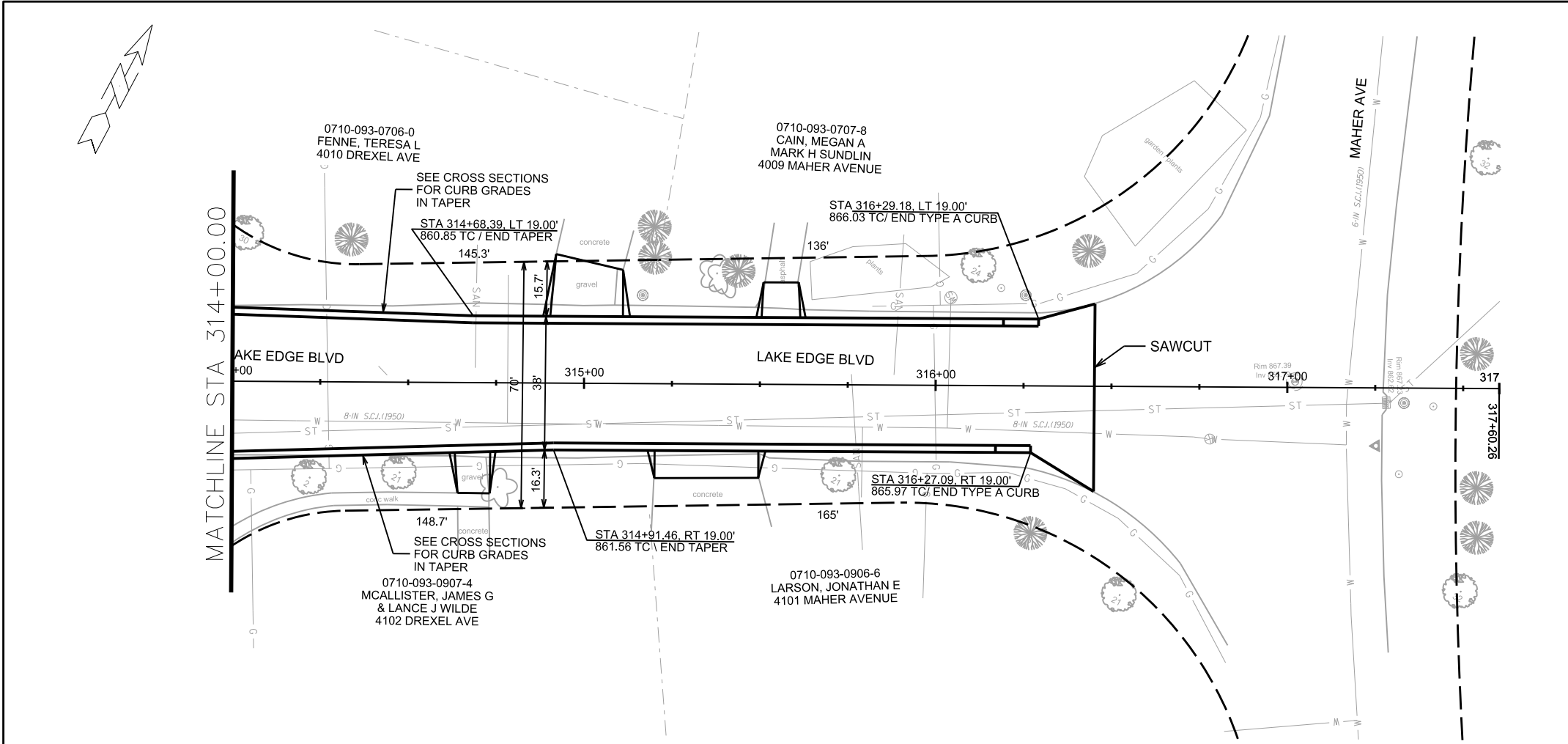


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PLOT SCALE:
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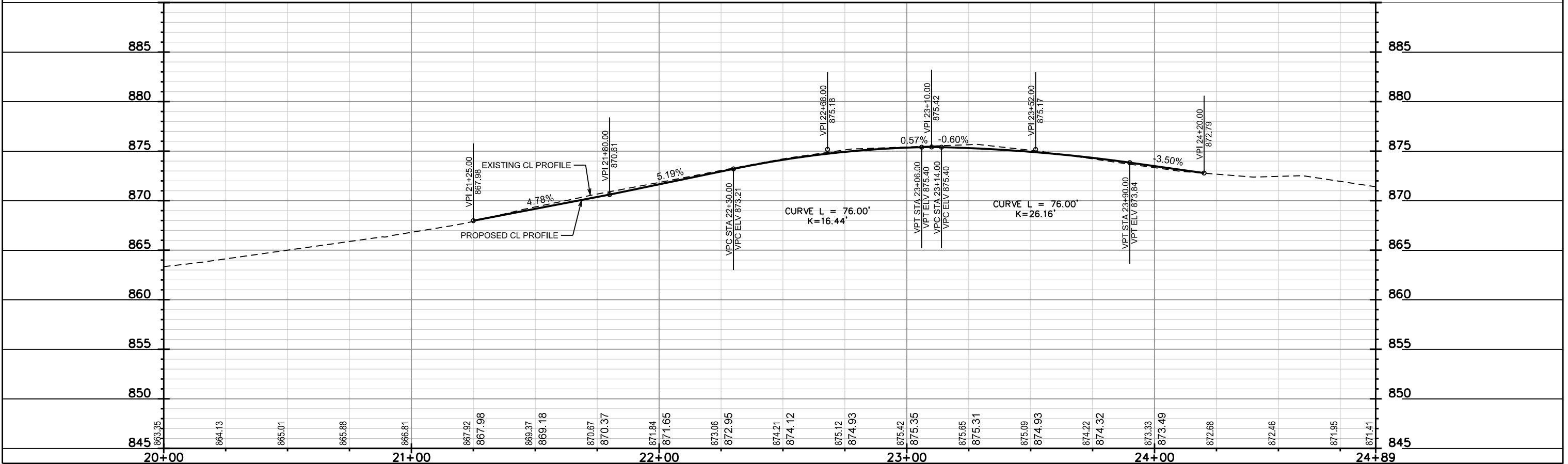
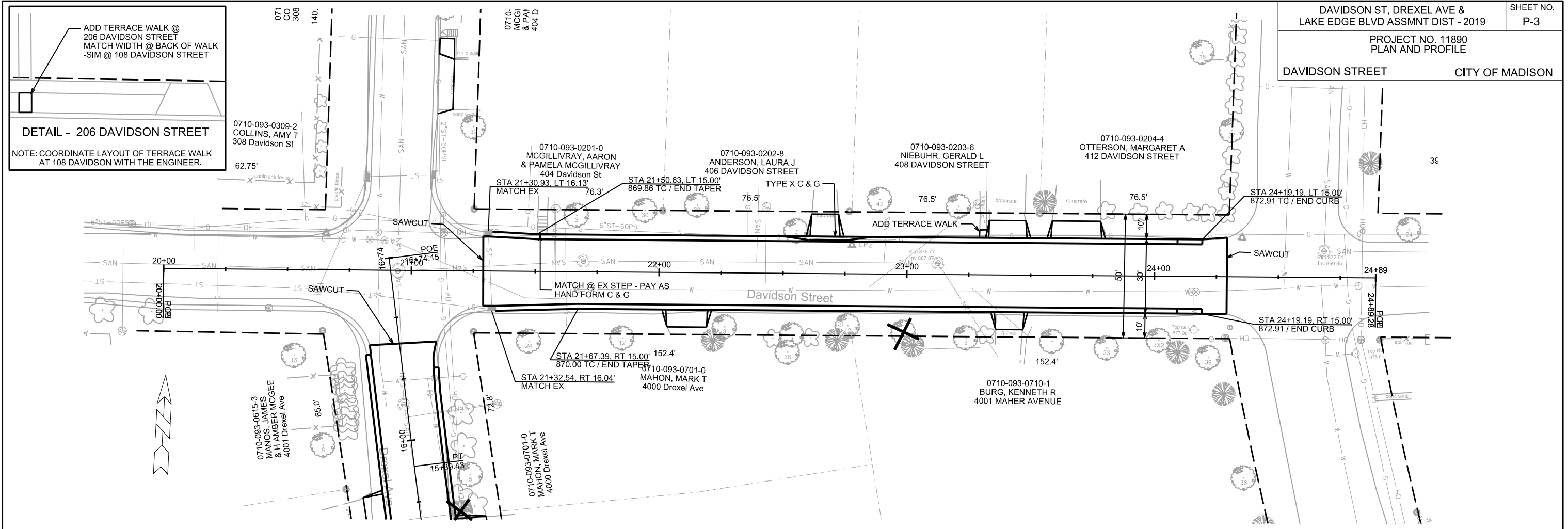


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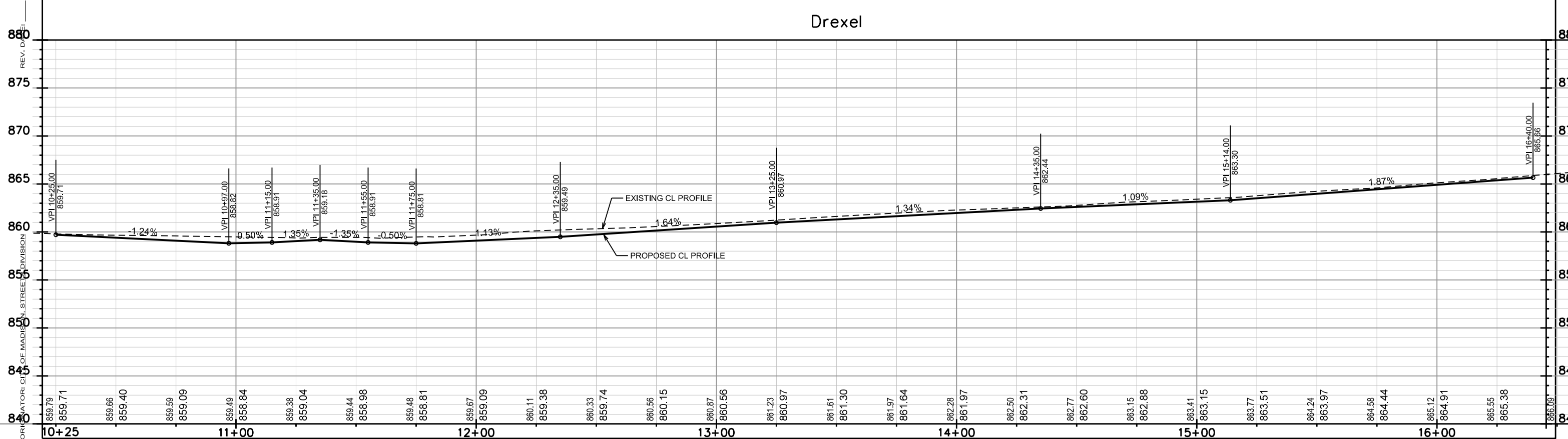
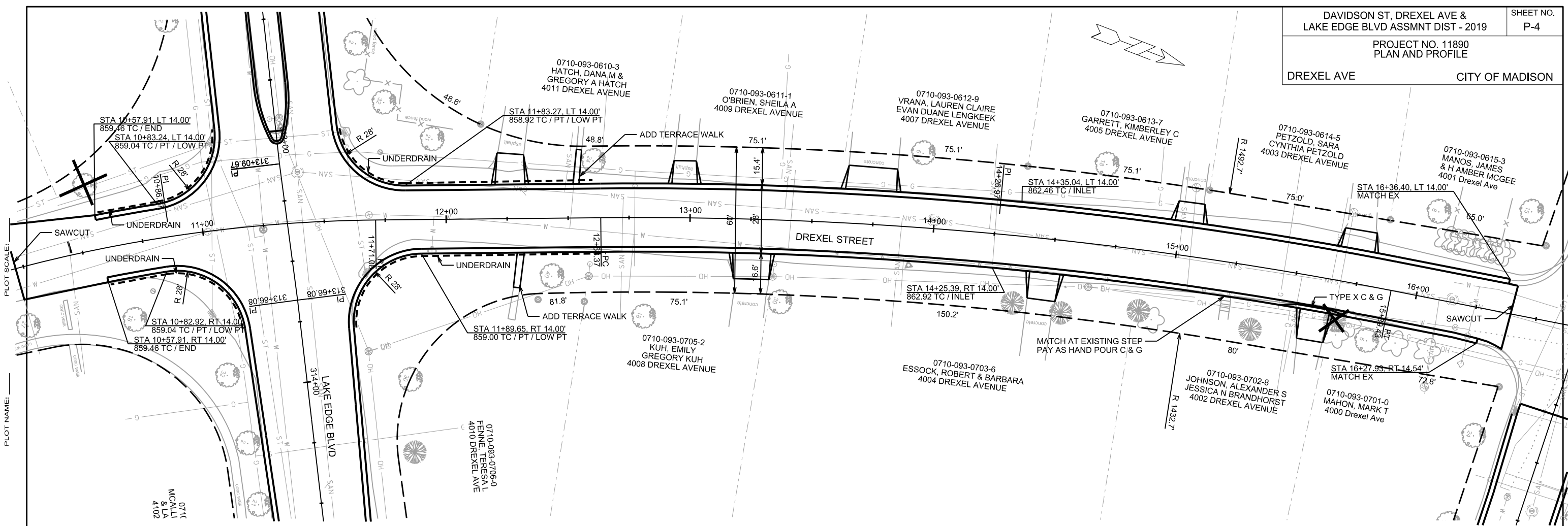
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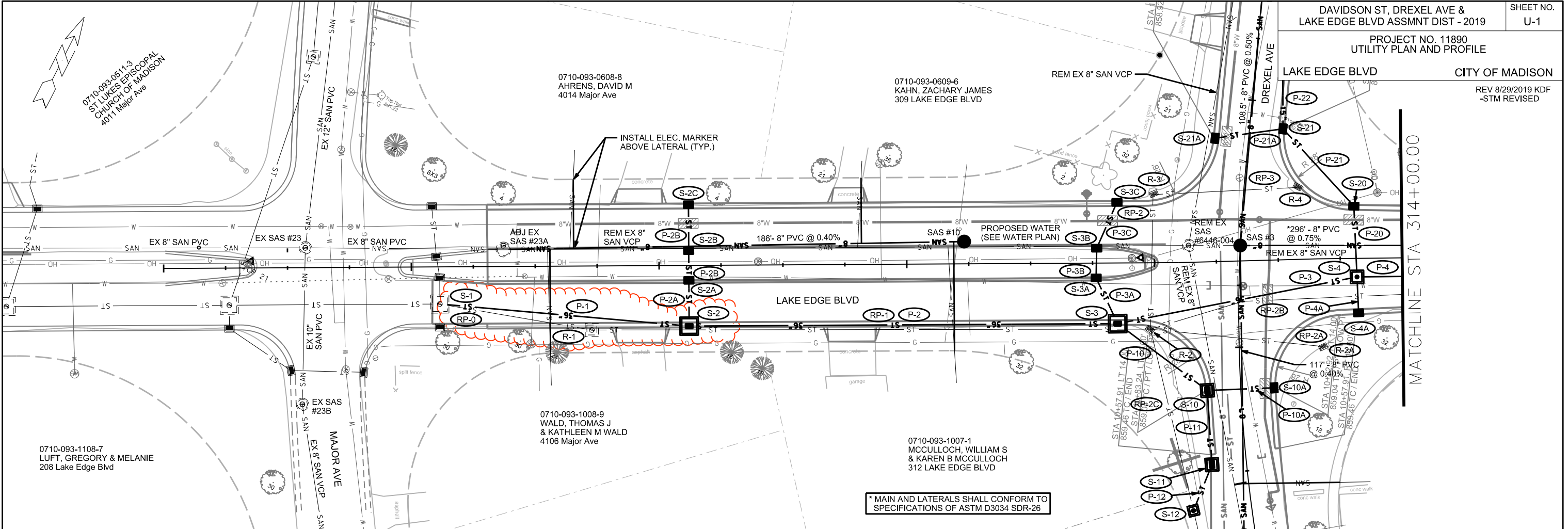
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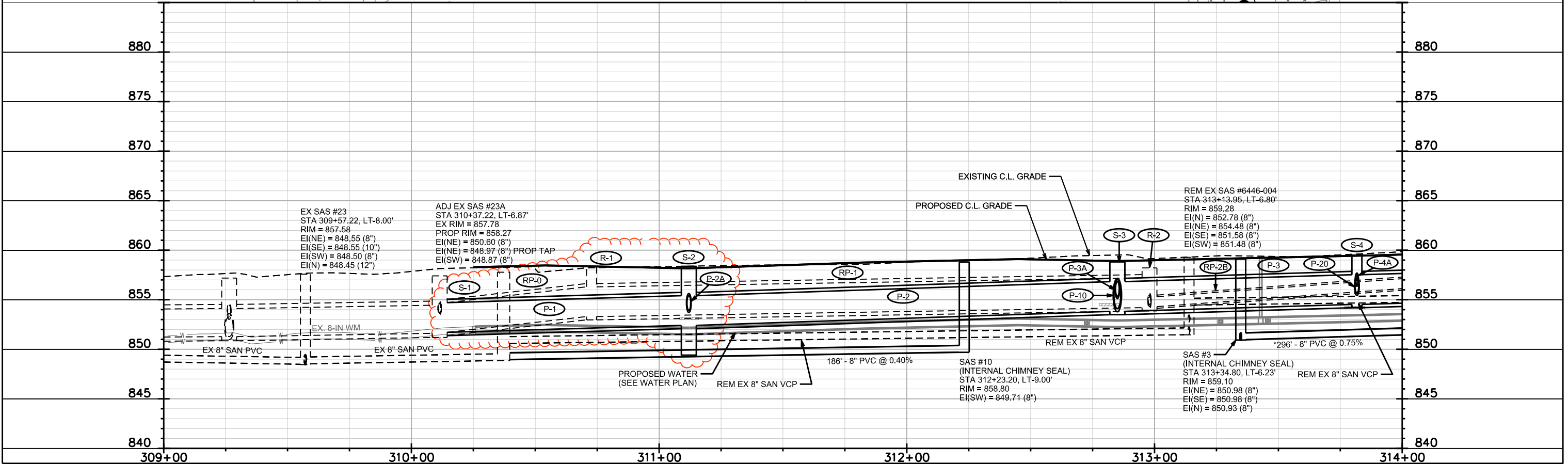


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* MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D3034 SDR-26



EX SAS #23
 STA 309+57.22, LT-8.00'
 RIM = 857.58
 EI(NE) = 848.55 (8")
 EI(SE) = 848.55 (10")
 EI(SW) = 848.50 (8")
 EI(N) = 848.45 (12")

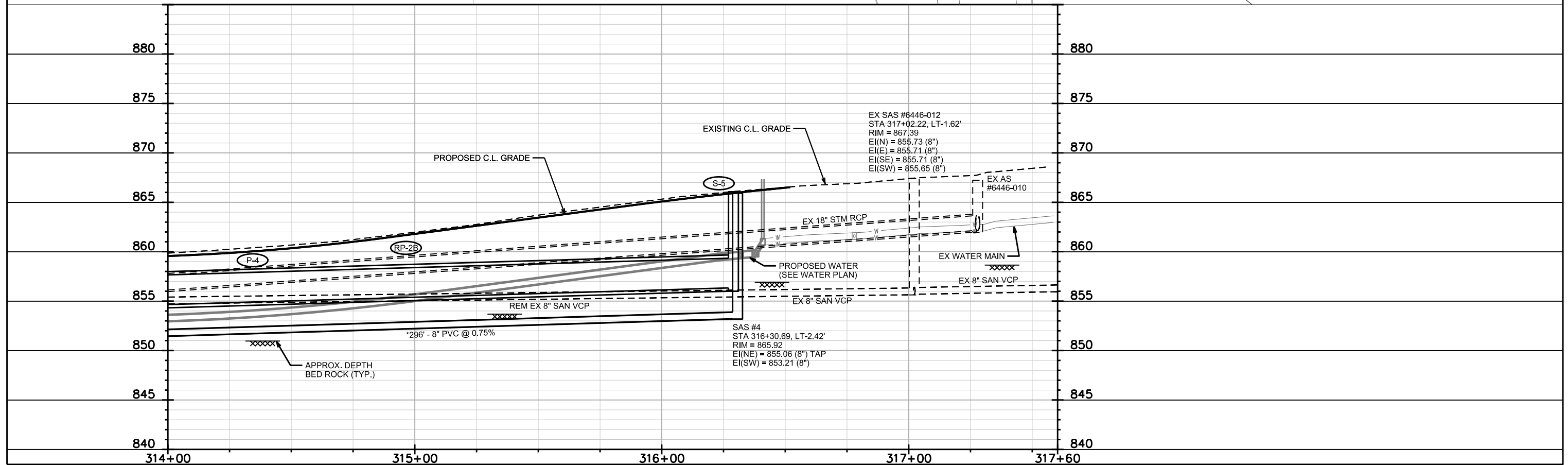
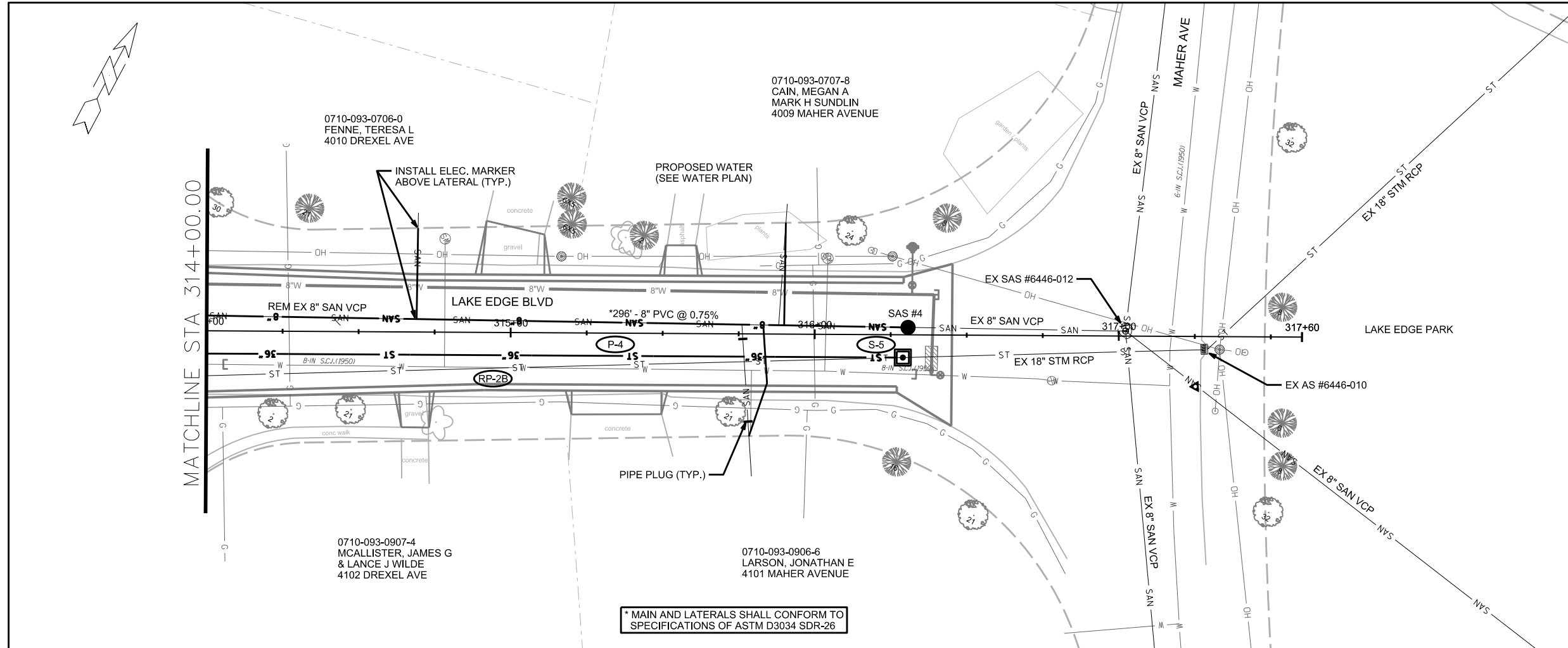
ADJ EX SAS #23A
 STA 310+37.22, LT-6.87'
 EX RIM = 857.78
 PROP RIM = 858.27
 EI(NE) = 850.60 (8")
 EI(N) = 848.97 (8") PROP TAP
 EI(SW) = 848.87 (8")

REM EX SAS #6446-004
 STA 313+13.95, LT-6.80'
 RIM = 859.28
 EI(N) = 852.78 (8")
 EI(NE) = 854.48 (8")
 EI(SE) = 851.58 (8")
 EI(SW) = 851.48 (8")

SAS #3
 (INTERNAL CHIMNEY SEAL)
 STA 313+34.80, LT-6.23'
 RIM = 859.10
 EI(NE) = 850.98 (8")
 EI(SE) = 850.98 (8")
 EI(N) = 850.93 (8")

SAS #10
 (INTERNAL CHIMNEY SEAL)
 STA 312+23.20, LT-9.00'
 RIM = 858.80
 EI(SW) = 849.71 (8")

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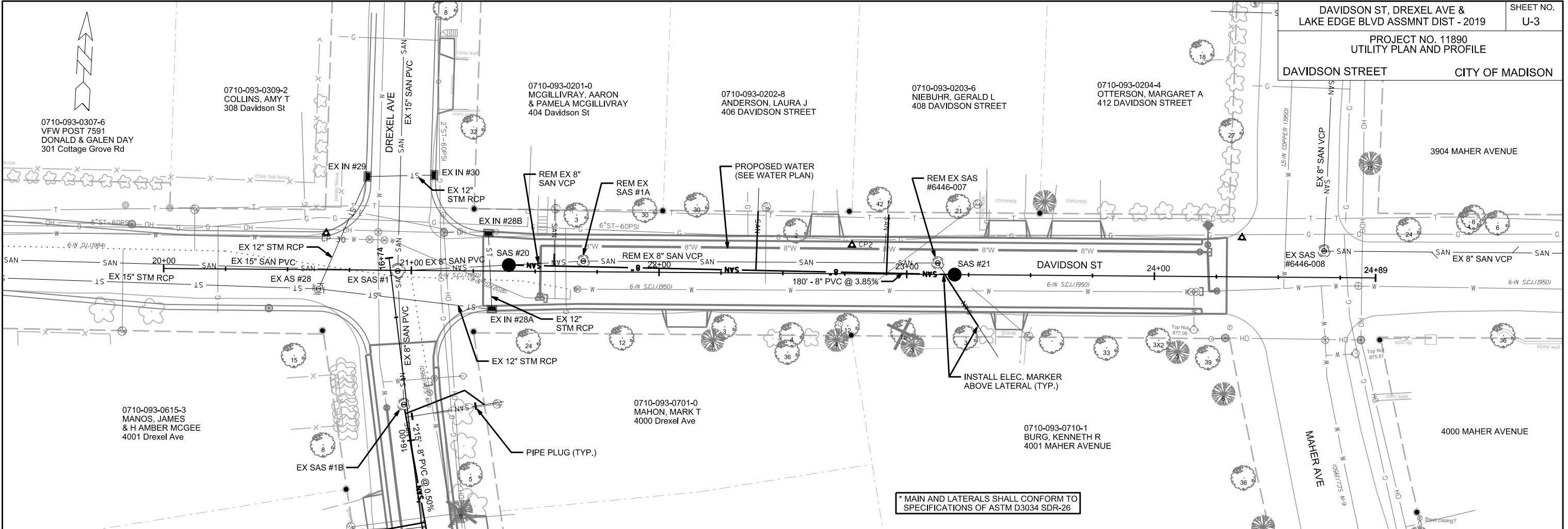


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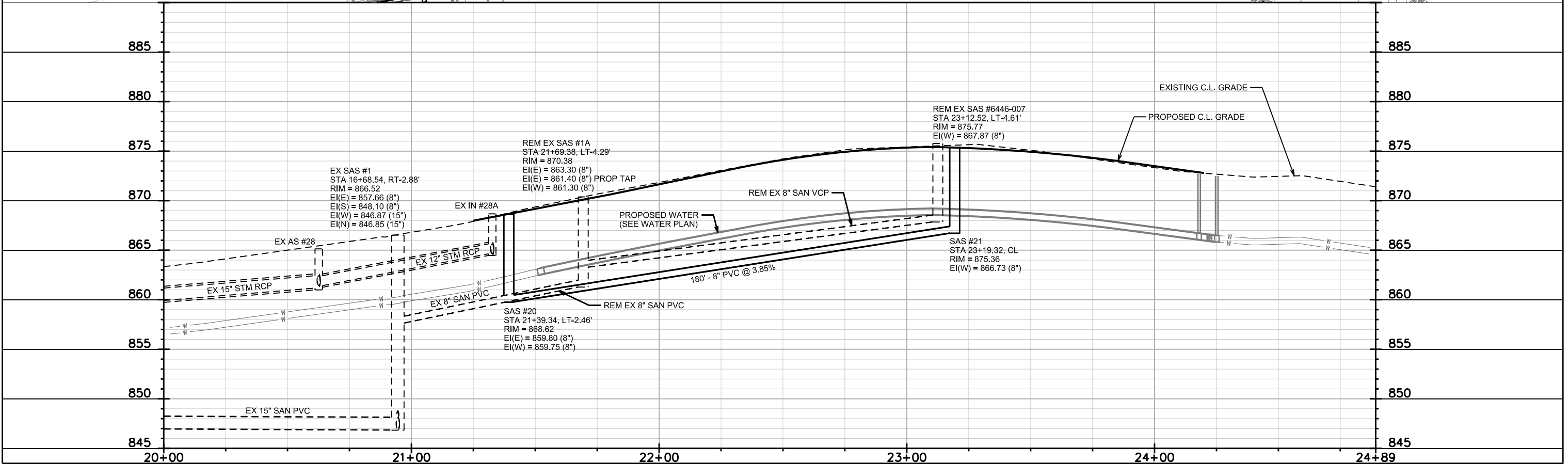
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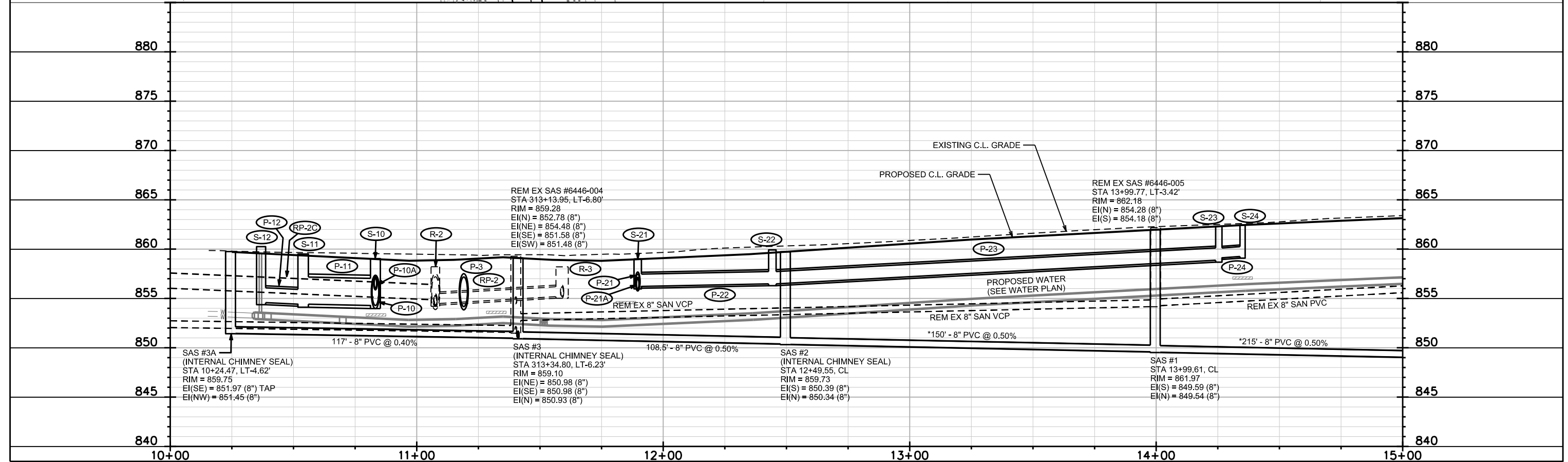
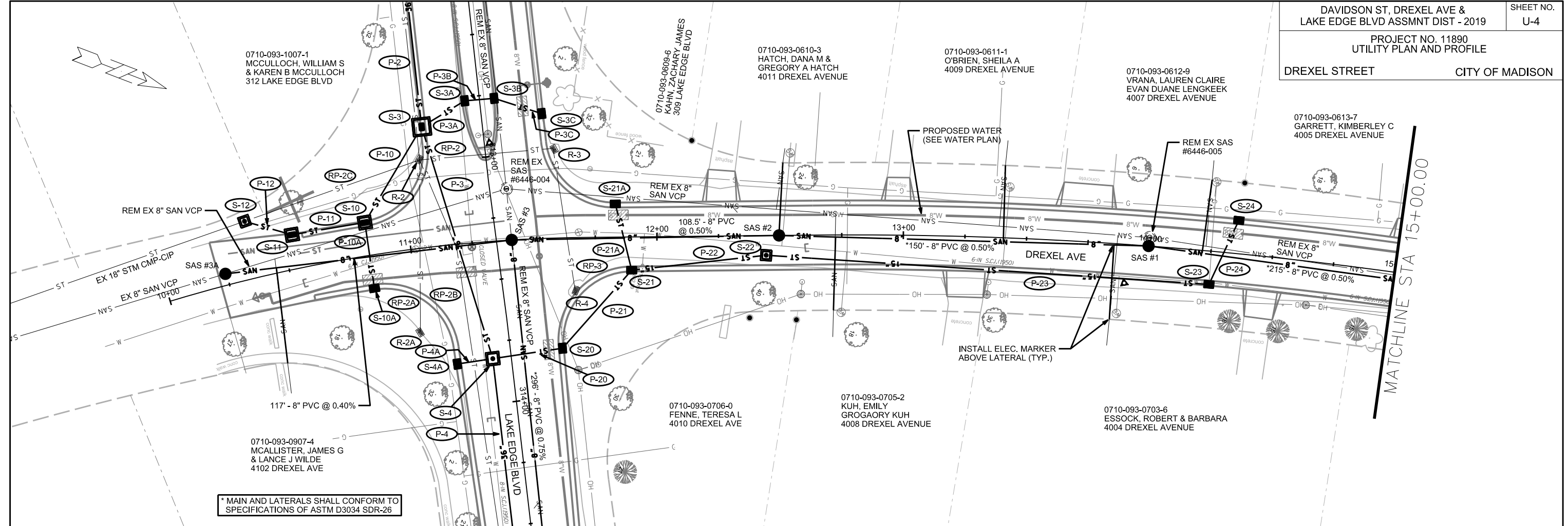


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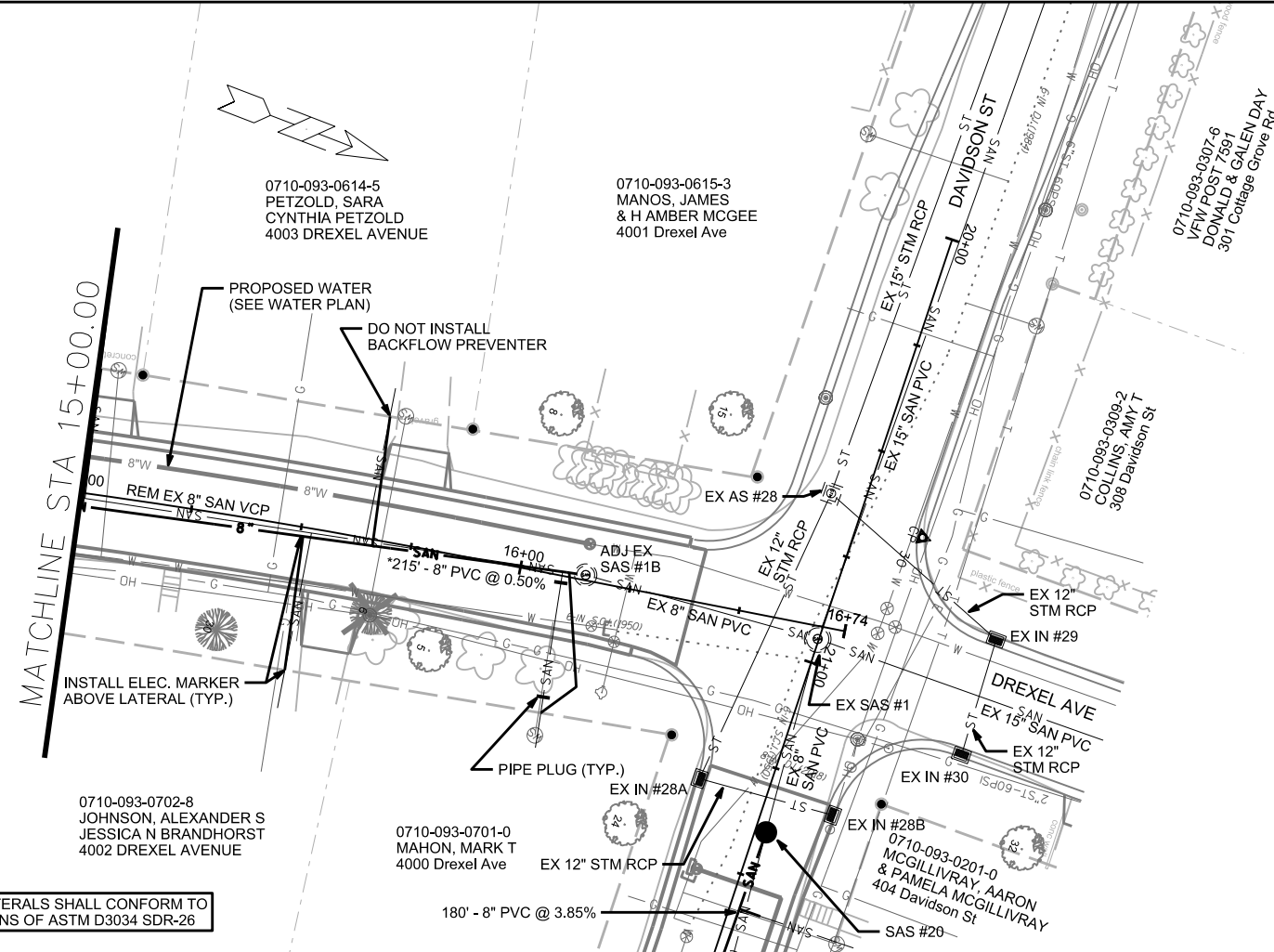
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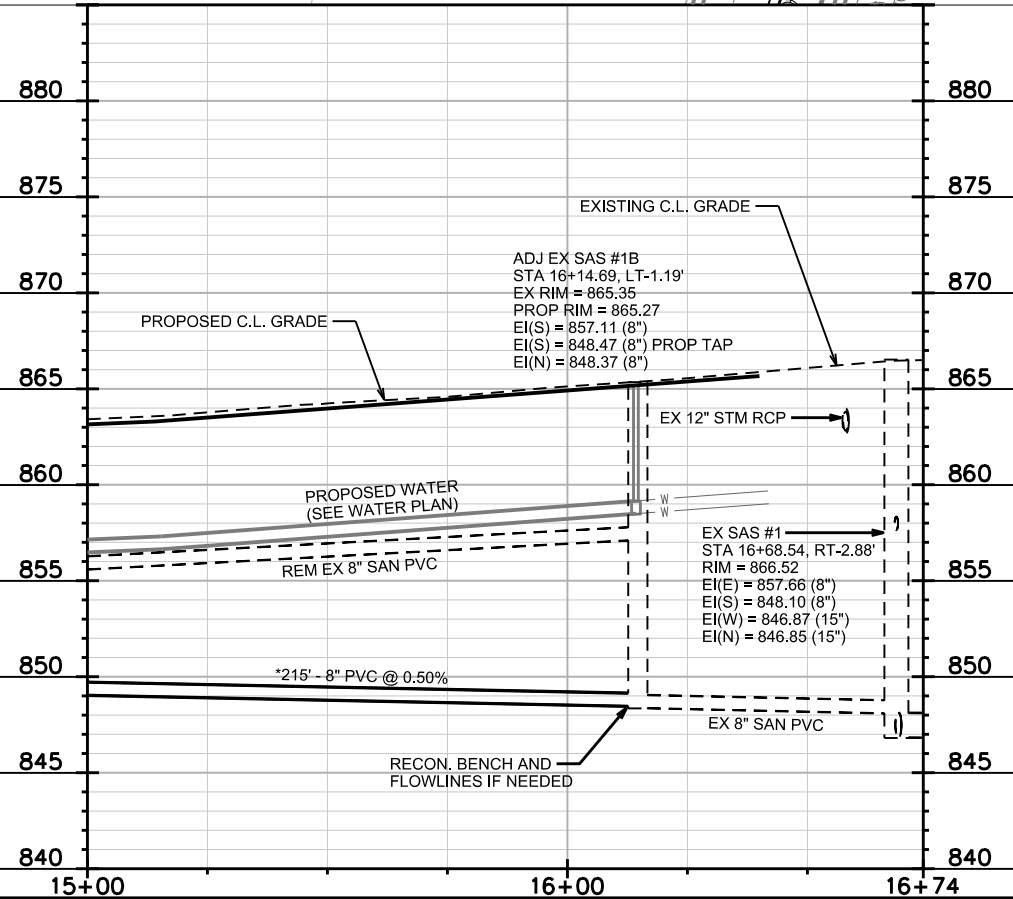
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SANITARY SEWER SCHEDULE

DAVIDSON ST, DREXEL AVE & LAKE EDGE BLVD ASSMNT DIST - 2019	SHEET NO. U-6
PROJECT NO. 11890 SANITARY SEWER SCHEDULE CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
DREXEL AVE						
SAS #1	13+99.61	CL	861.97	849.54	12.43	[2]
SAS #2	12+49.55	CL	859.73	850.34	9.39	[1], [2]
SAS #3A	10+24.47	LT-4.62	859.75	851.45	8.30	[1]
LAKE EDGE BLVD						
SAS #3	313+34.80	LT-6.23	859.10	850.93	8.17	[1], [2]
SAS #4	316+30.69	LT-2.42	865.92	853.21	12.71	-
SAS #10	312+23.20	LT-9.00	858.80	849.71	9.09	[1]
DAVIDSON ST						
SAS #20	21+39.34	LT-2.46	868.62	859.75	8.87	-
SAS #21	23+19.32	CL	875.36	866.73	8.63	-

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
LAKE EDGE BLVD						
EX SAS #6446-004	313+13.95	LT-6.80	859.28	851.48	7.80	-
DREXEL AVE						
EX SAS #6446-005	13+99.77	LT-3.42	862.18	854.18	8.00	-
DAVIDSON ST						
EX SAS #1A	21+69.38	LT-4.29	870.38	861.30	9.08	-
EX SAS #6446-007	23+12.52	LT-4.61	875.77	867.87	7.90	-

SANITARY STRUCTURE ADJUSTMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	PROP TOP OF CASTING	EX TOP OF CASTING	DEPTH	NOTES
LAKE EDGE BLVD						
EX SAS #23A	310+37.22	LT-6.87	858.27	857.78	0.49	-
DREXEL AVE						
EX SAS #1B	16+14.69	LT-1.19	865.27	865.35	-0.08	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
DREXEL AVE								
EX SAS #1B	SAS #1	848.47	849.54	215	0.50%	8"	SDR-26	-
SAS #1	SAS #2	849.59	850.34	150	0.50%	8"	SDR-26	-
SAS #3	SAS #3A	850.98	851.45	117	0.40%	8"	SDR-35	-
LAKE EDGE BLVD								
SAS #2	SAS #3	850.39	850.93	108.5	0.50%	8"	SDR-35	-
SAS #3	SAS #4	850.98	853.21	296	0.75%	8"	SDR-26	-
EX SAS#23A	SAS #10	848.97	849.71	186	0.40%	8"	SDR-35	-
DAVIDSON ST								
SAS #20	SAS #21	859.80	866.73	180	3.85%	8"	SDR-35	-

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
LAKE EDGE BLVD						
EX SAS #23A	SAS #10	190	VCP	8"	N	-
SAS #10	SAS #3	100	VCP	8"	Y	-
SAS #3	SAS #4	297	VCP	8"	N	-
DREXEL AVE						
EX SAS #6446-004	SAS #3A	115	VCP	8"	Y	-
EX SAS #6446-004	EX SAS #6446-005	258	VCP	8"	Y	-
EX SAS #6446-005	EX SAS #1B	211	VCP	8"	N	-
DAVIDSON ST						
SAS #20	EX SAS #1A	30.00	VCP	8"	N	-
EX SAS #1A	EX SAS #6446-007	140.00	VCP	8"	N	-

SPECIFIC NOTES

- [1] INSTALL INTERNAL CHIMNEY SEAL PER S.D.D. 5.7.17
- [2] INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEAL

STORM SEWER SCHEDULE

*REV 8/29/2019 KDF

DAVIDSON ST, DREXEL AVE & LAKE EDGE BLVD ASSMNT DIST - 2019	SHEET NO. U-7
PROJECT NO. 11890 STORM SEWER SCHEDULE CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
LAKE EDGE BLVD							
* S-1	310+11.40	RT-15.00	STORM TAP	-	851.71	-	-
* S-2	311+12.00	RT-24.50	6X6 CATCHBASIN	858.37	852.41	5.97	[1], LP, W/R-3067-7004-VB
S-2A	311+12.00	RT-6.00	H INLET	857.99	854.07	3.92	LP, W/R-3067-7004-VB
S-2B	311+12.00	LT-6.00	H INLET	858.47	854.37	4.10	LP, W/R-3067-7004-VB
S-2C	311+12.00	LT-24.50	H INLET	858.09	854.70	3.39	LP, W/R-3067-7004-VB
S-3	312+85.00	RT-24.50	6X6 SAS	858.82	853.83	4.99	FP, LP, W/R-3067-7004-VB
S-3A	312+76.41	RT-6.00	H INLET	859.20	855.42	3.78	LP, W/R-3067-7004-VB
S-3B	312+76.71	LT-6.00	H INLET	858.85	855.73	3.12	FP, LP, W/R-3067-7004-VB
S-3C	312+85.00	LT-24.50	H INLET	858.82	856.07	2.75	FP, LP, W/R-3067-7004-VB
S-4	313+81.70	RT-7.50	4X4 SAS	859.30	854.53	4.77	FP, W/R-1550-0054
S-4A	313+82.17	RT-22.01	H INLET	859.44	856.59	2.85	FP, W/R-3067-7004-V
S-5	316+29.00	RT-7.50	4X4 SAS	866.06	856.34	9.72	W/R-1550-0054

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
LAKE EDGE BLVD										
* P-1	S-1	S-2	851.71	852.41	101	95	0.73%	36"	RCP	-
* P-2	S-2	S-3	852.41	853.83	173	167	0.85%	36"	RCP	-
* P-2A	S-2	S-2A	853.91	854.07	18.5	14.5	1.07%	18"	RCP	-
P-2B	S-2A	S-2B	854.32	854.37	12	10	0.50%	15"	RCP	-
P-2C	S-2B	S-2C	854.62	854.70	18.5	16.5	0.50%	12"	RCP	-
P-3	S-3	S-4	853.83	854.53	98.5	93.4	0.75%	36"	RCP	-
P-3A	S-3	S-3A	855.34	855.42	20.5	16	0.50%	18"	RCP	-
P-3B	S-3A	S-3B	855.67	855.73	12	10	0.60%	15"	RCP	-
P-3C	S-3B	S-3C	855.98	856.07	20.5	18.1	0.50%	12"	RCP	-
P-4	S-4	S-5	854.52	856.34	247.5	243.3	0.75%	36"	RCP	-
P-4A	S-4	S-4A	856.53	856.59	14.5	11.5	0.50%	12"	RCP	-

DREXEL AVE

S-10	10+83.24	LT-13.50	4X4 SAS	859.04	854.29	4.75	FP, LP, W/R-3067-7004-VB
S-10A	10+82.92	RT-13.50	H INLET	859.04	856.16	2.88	FP, LP, W/R-3067-7004-VB
S-11	10+53.91	LT-13.92	4X4 SAS	859.50	854.42	5.08	FP, LP, W/R-1878-B7G
S-12	10+36.86	LT-23.46	3X3 SAS	860.25	854.58	5.67	W/R-1550-2578
S-20	11+60.50	RT-44.82	H INLET	859.45	855.77	3.68	W/R-3067-7004-V
S-21	11+89.65	RT-13.50	H INLET	859.00	855.97	3.03	FP, LP, W/R-3067-7004-VB
S-21A	11+83.27	LT-13.50	H INLET	858.92	856.10	2.82	FP, LP, W/R-3067-7004-VB
S-22	12+44.27	RT-8.00	3X3 SAS	859.92	856.48	3.44	FP, W/R-1550-0054
S-23	14+25.39	RT-13.50	H INLET	862.31	858.87	3.44	W/R-3067-7004-V
S-24	14+35.04	LT-13.50	H INLET	862.44	859.25	3.19	W/R-3067-7004-V

DREXEL AVE

P-10	S-3	S-10	854.10	854.29	45.5	38.8	0.50%	33"	RCP	-
P-10A	S-10	S-10A	856.04	856.16	27	24	0.50%	12"	RCP	-
P-11	S-10	S-11	854.29	854.42	30	26	0.50%	33"	RCP	-
P-12	S-11	S-12	854.42	854.58	20	15.9	1.00%	18"	RCP	-
P-20	S-4	S-20	855.64	855.77	28.5	25.6	0.50%	18"	RCP	-
P-21	S-20	S-21	855.77	855.97	42.5	39.6	0.50%	18"	RCP	-
P-21A	S-21	S-21A	855.97	856.10	28	25.7	0.50%	12"	RCP	-
P-22	S-21	S-22	856.22	856.48	55	51.9	0.50%	15"	RCP	-
P-23	S-22	S-23	856.48	858.87	180	177	1.35%	15"	RCP	-
P-24	S-23	S-24	859.12	859.25	29	26.5	0.50%	12"	RCP	-

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
LAKE EDGE BLVD					
R-1	AS #7	310+72.75	RT-25.85	SAS	-
R-2	AS #6447-001	312+98.00	RT-27.00	CATCHBASIN	-
R-2A	IN #6446-016	313+67.50	RT-35.50	SAS	-
R-3	AS #6446-011	312+99.50	LT-27.50	SAS	-
R-4	IN #6446-012	313+58.50	LT-29.00	SAS	-

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
LAKE EDGE BLVD							
* RP-0	S-1	R-1	57	36"	CMP	N	-
RP-1	R-1	R-2	220	36"	CMP	N	-
RP-2	R-2	R-3	50	12"	CMP	Y	-
RP-2A	R-2	R-2A	65	12"	CMP	Y	-
RP-2B	R-2	S-6	278	18"	RCP	Y	-
RP-2C	S-2	S-12	70	18"	VCP	Y	-
RP-3	R-3	R-4	55	12"	CMP	Y	-

STORM SEWER ULOS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
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NOTE: FIVE (5) UNDISTRIBUTED ULOS ARE INCLUDED WITH THE PROJECT TO BE USED AS DIRECTED OR NEEDED BY ENGINEER

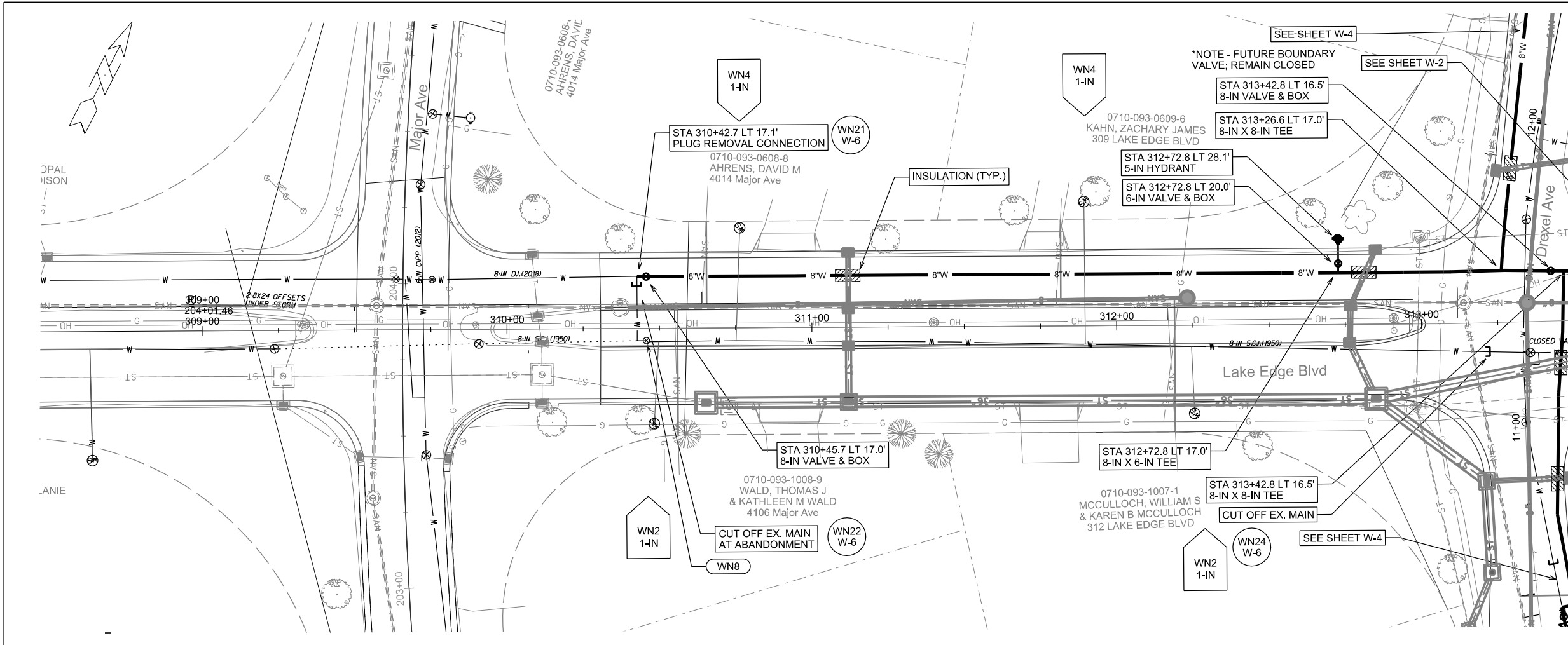
NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

SPECIFIC NOTES

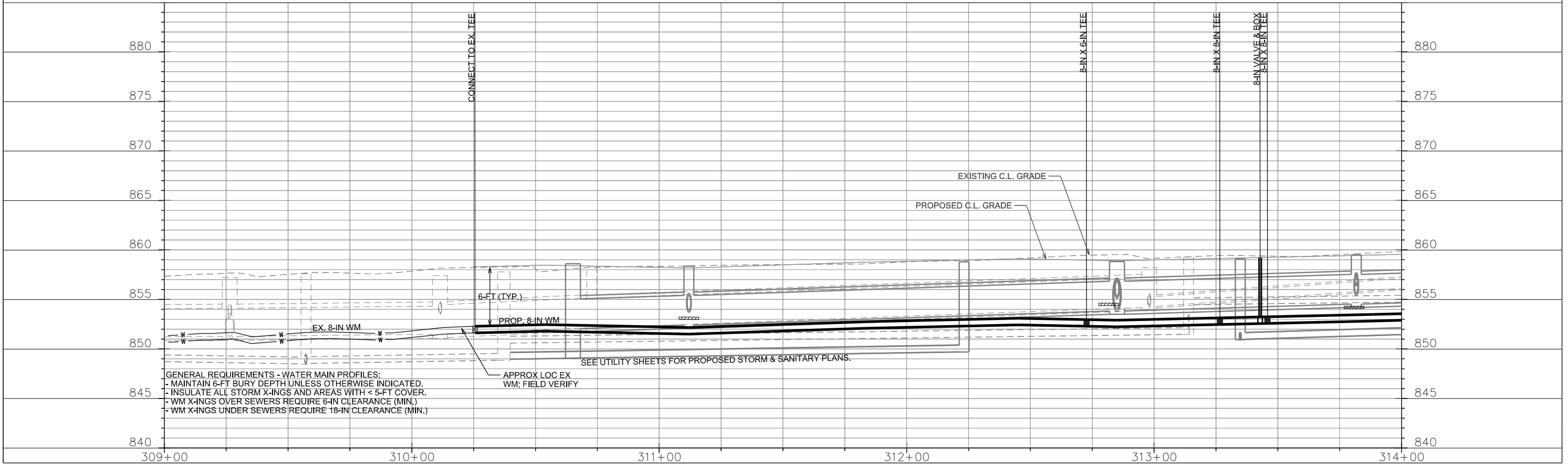
[1] STRUCTURE SHALL HAVE 3' SUMP BELOW LISTED INVERT PER S.D.D. 5.7.4

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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.



*NOTE - FOR SERVICES CROSSING STORM SEWER: INSULATION AT CROSSINGS AND ENSURE A MINIMUM 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE



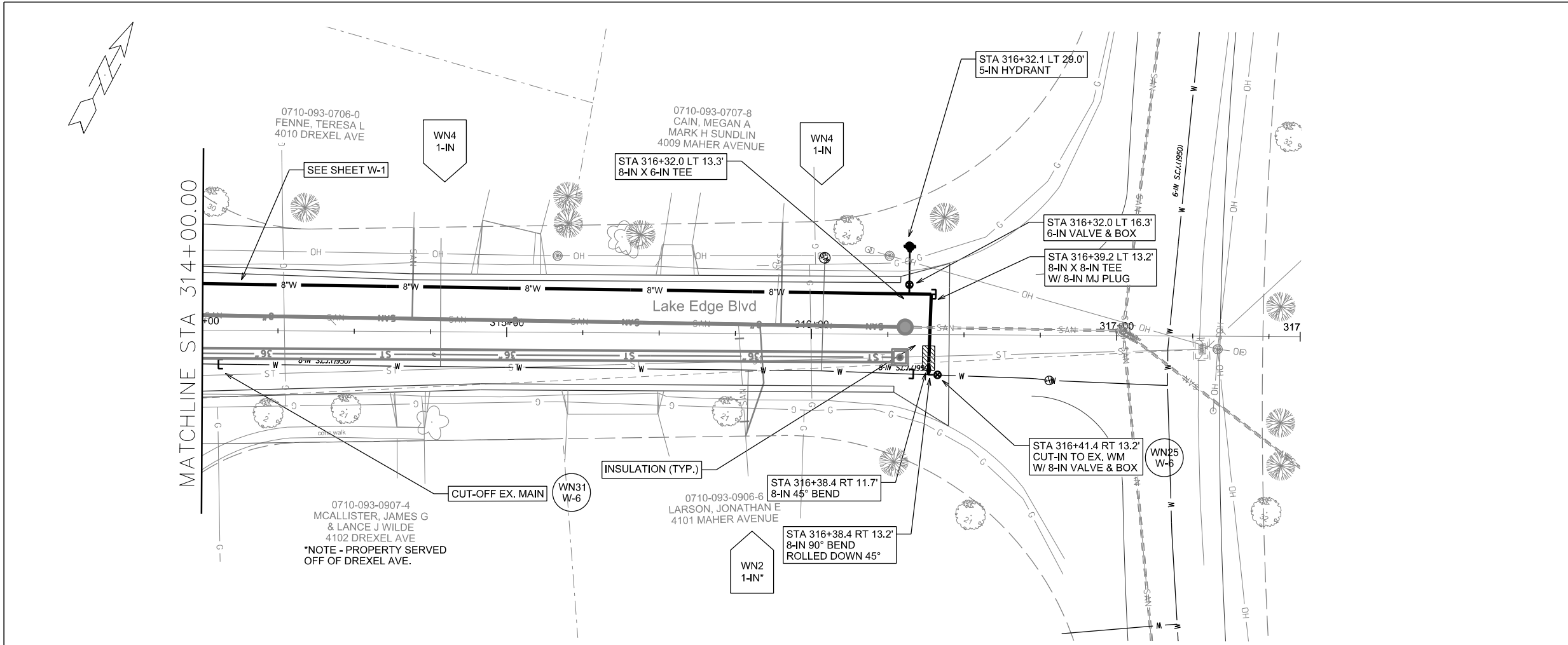
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE:

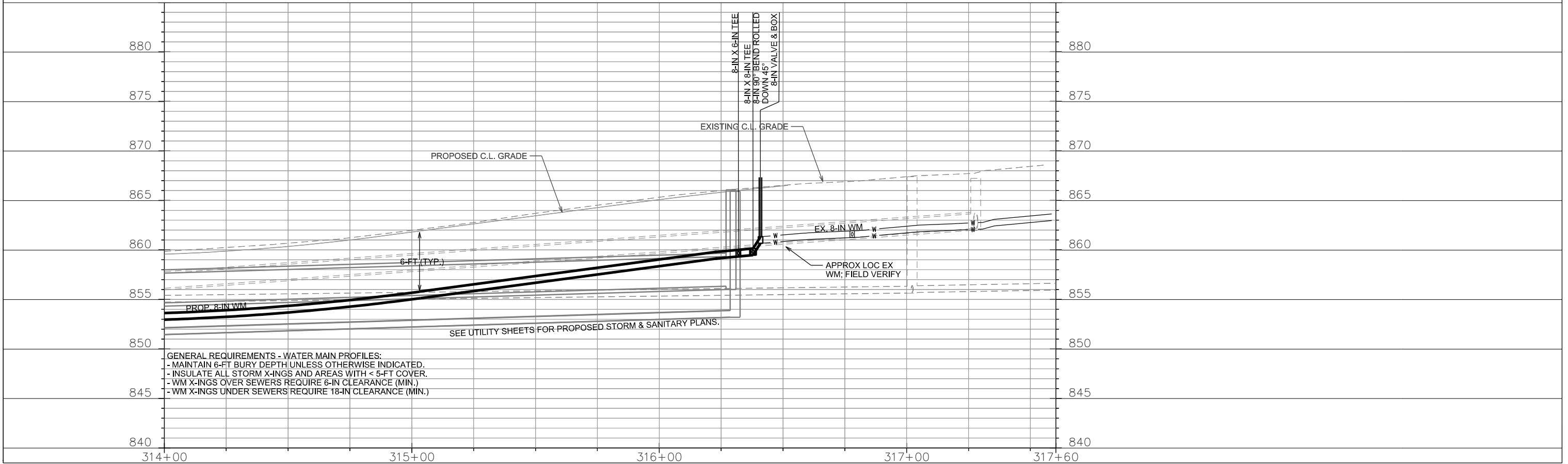
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



*NOTE - FOR SERVICES CROSSING STORM SEWER: INSULATION AT CROSSINGS AND ENSURE A MINIMUM 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE



GENERAL REQUIREMENTS - WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

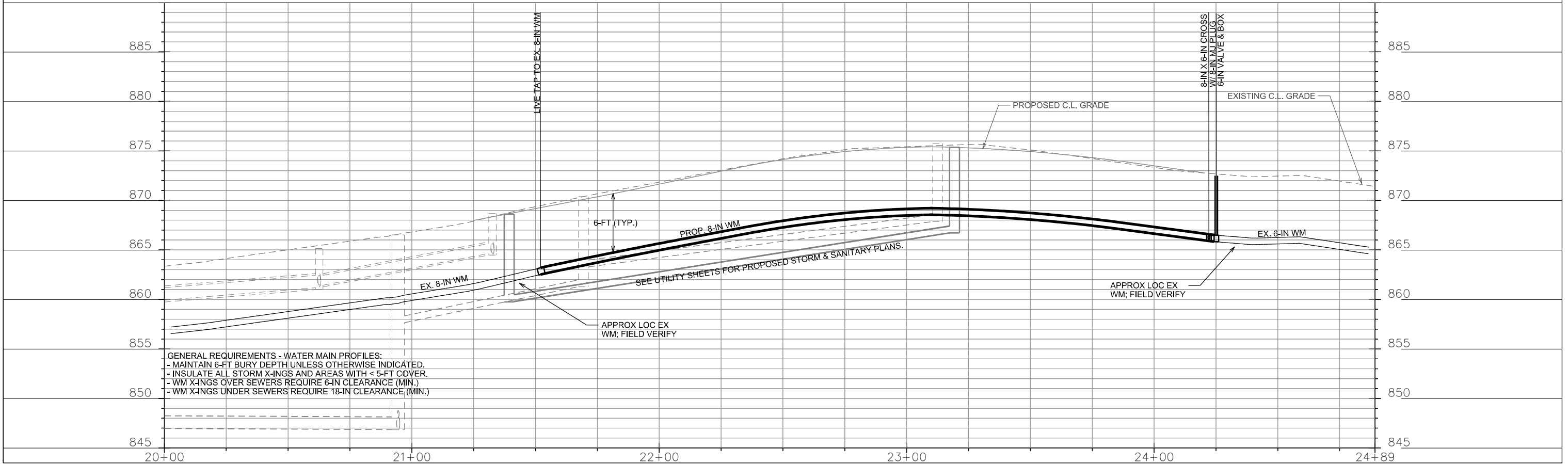
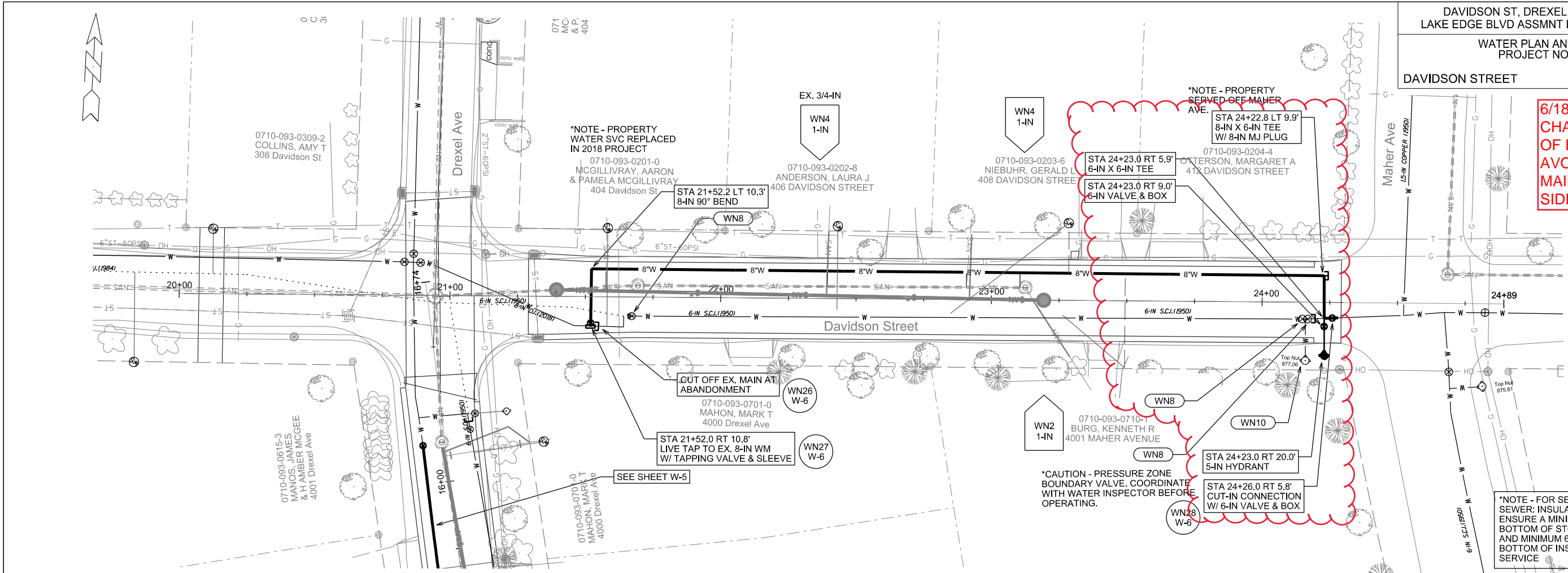
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

6/18/19 REV - AJS
 CHANGED LOCATION
 OF HYDRANT TO
 AVOID NEW GAS
 MAIN ON NORTH
 SIDE OF ROAD

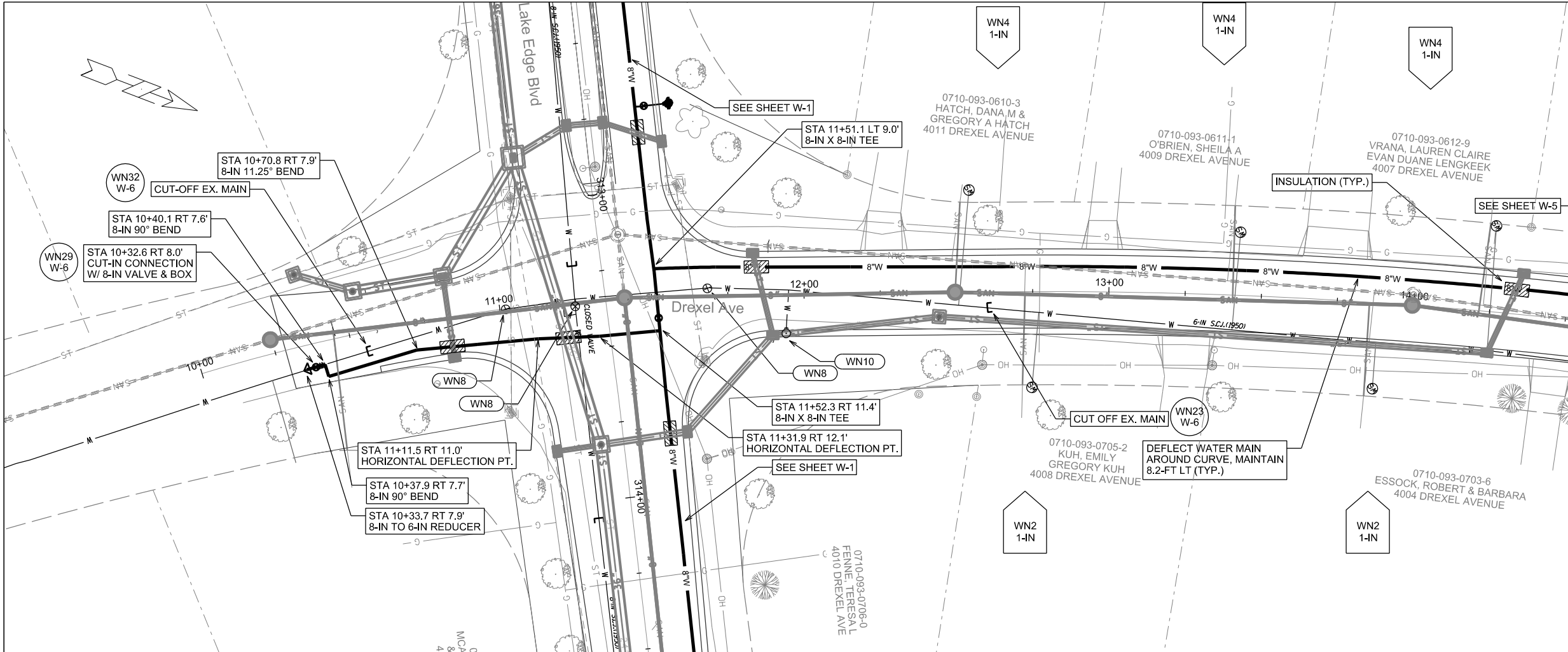


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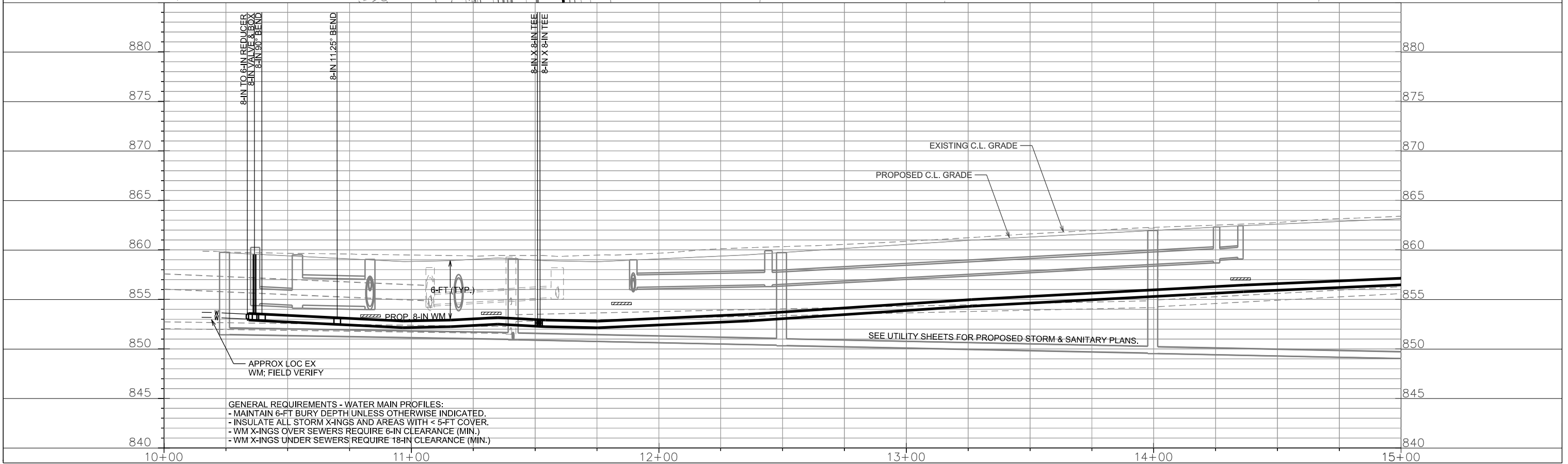
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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



*NOTE - FOR SERVICES CROSSING STORM SEWER: INSULATION AT CROSSINGS AND ENSURE A MINIMUM 6-IN CLEARANCE FROM BOTTOM OF STORM TO TOP OF INSULATION AND MINIMUM 6-IN CLEARANCE FROM BOTTOM OF INSULATION TO TOP OF WATER SERVICE



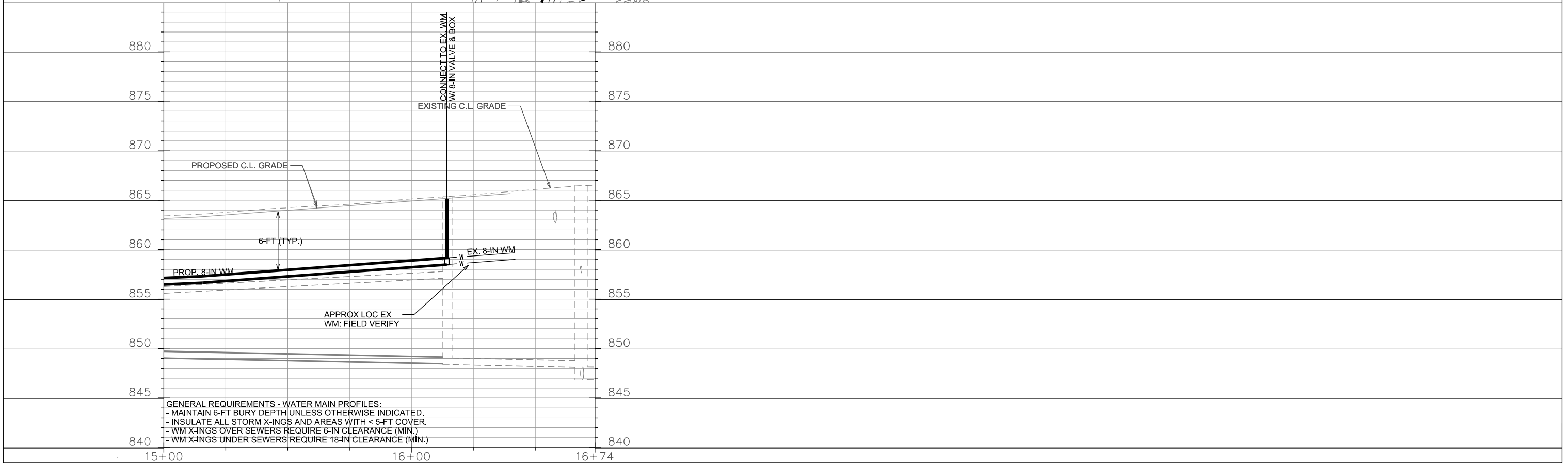
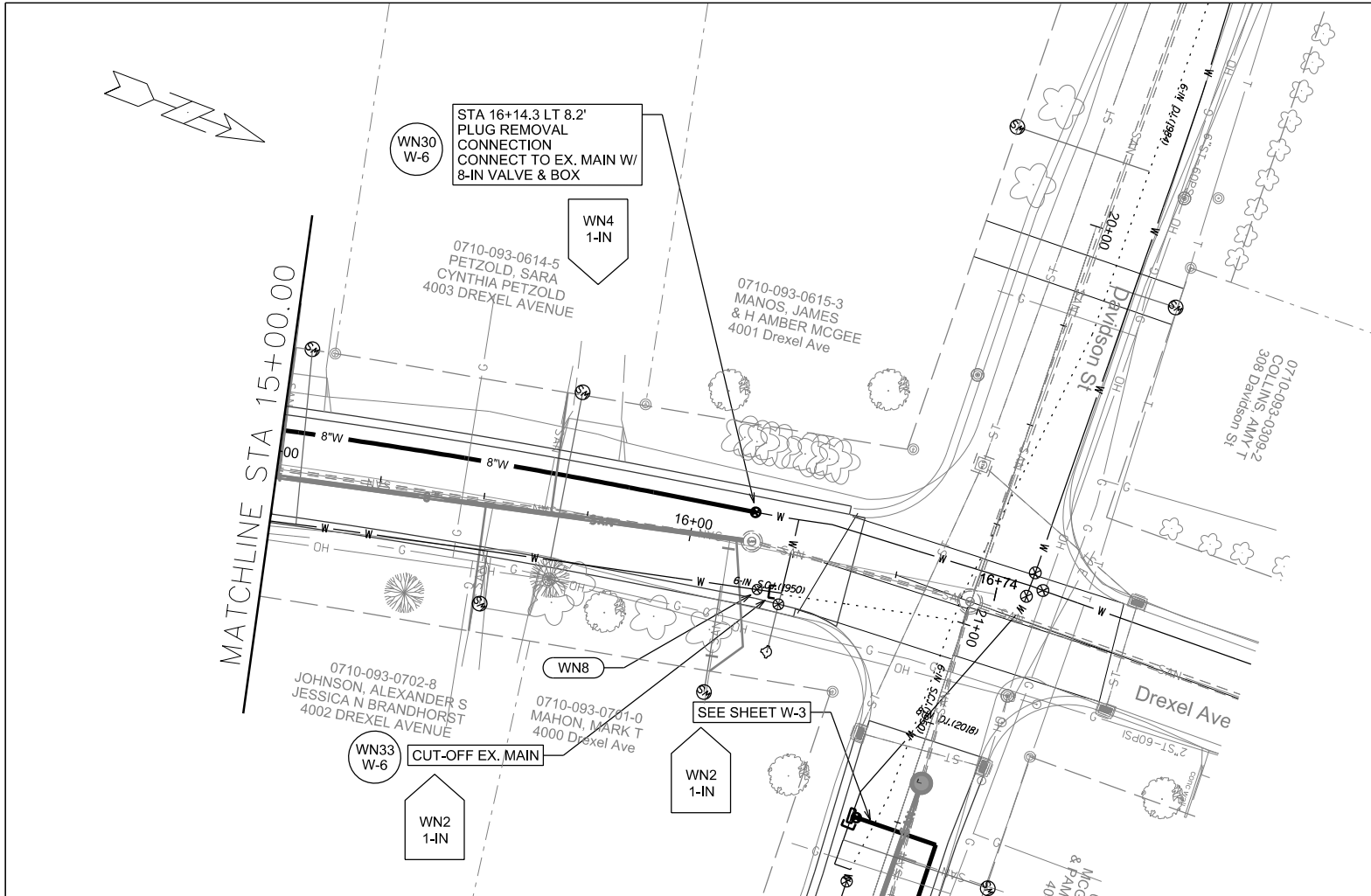
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

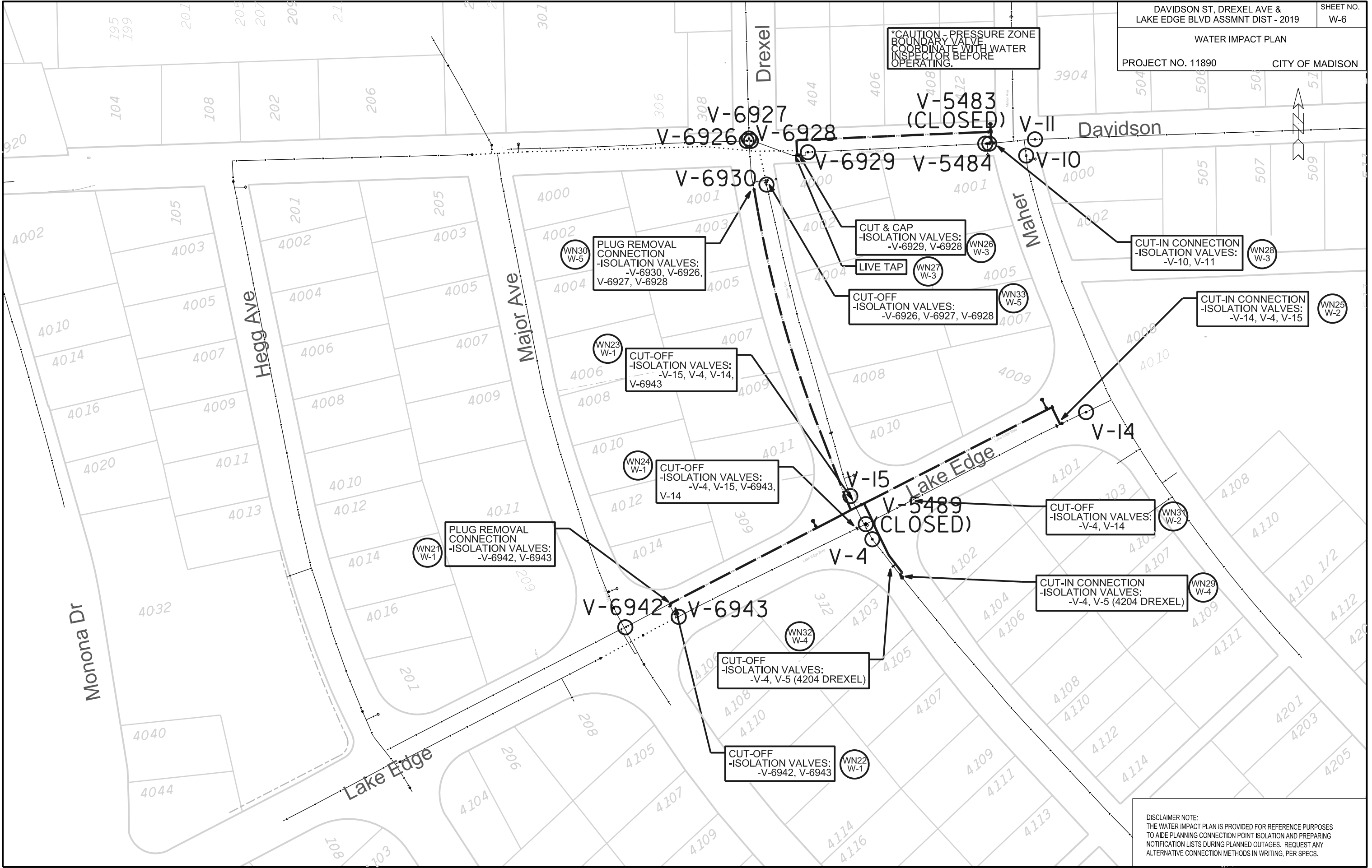


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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:

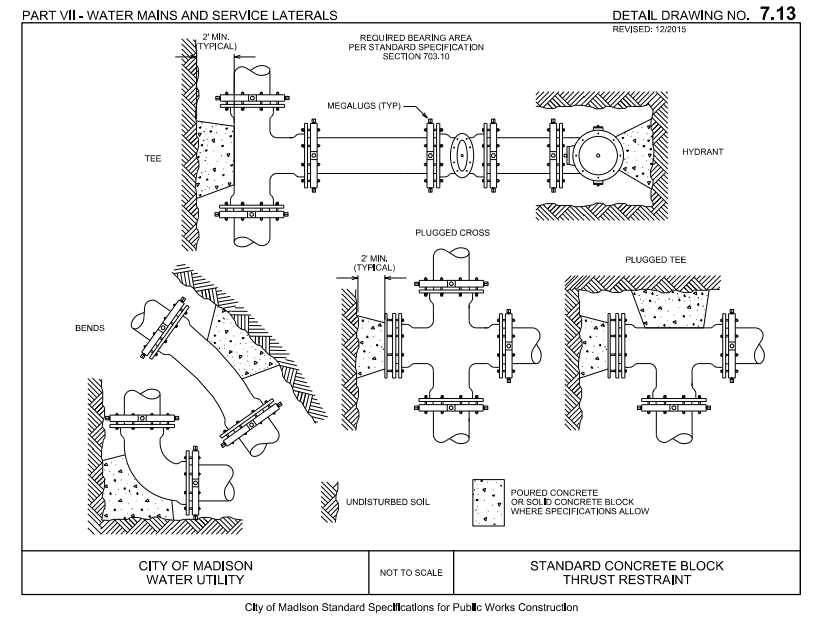
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

6/1819 REV - AJS
UPDATED
MATERIALS
ESTIMATE

CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT STORM 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.*

- | | |
|----------------------|-----------------------------------|
| 40-FT - 6-IN PIPE | 4 - 8-IN 90° BEND |
| 1500-FT - 8-IN PIPE | 1 - 8-IN TO 6-IN REDUCER |
| 4 - 6-IN VALVE & BOX | 2 - 8-IN MJ PLUG |
| 5 - 8-IN VALVE & BOX | 3 - 5-IN HYDRANT |
| 1 - 6-IN X 6-IN TEE | 64-FT - 2-IN STYROFOAM INSULATION |
| 3 - 8-IN X 6-IN TEE | 1850-FT - POLY WRAP |
| 3 - 8-IN X 8-IN TEE | |
| 1 - 8-IN 11.25° BEND | |
| 1 - 8-IN 45° BEND | |

ESTIMATE OF MATERIALS SALVAGED:

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

ESTIMATE OF MATERIALS PROVIDED BY WATER UTILITY:

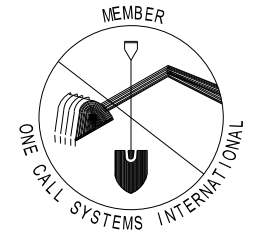
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- 1 - 8-IN TAPPING VALVE & SLEEVE

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.

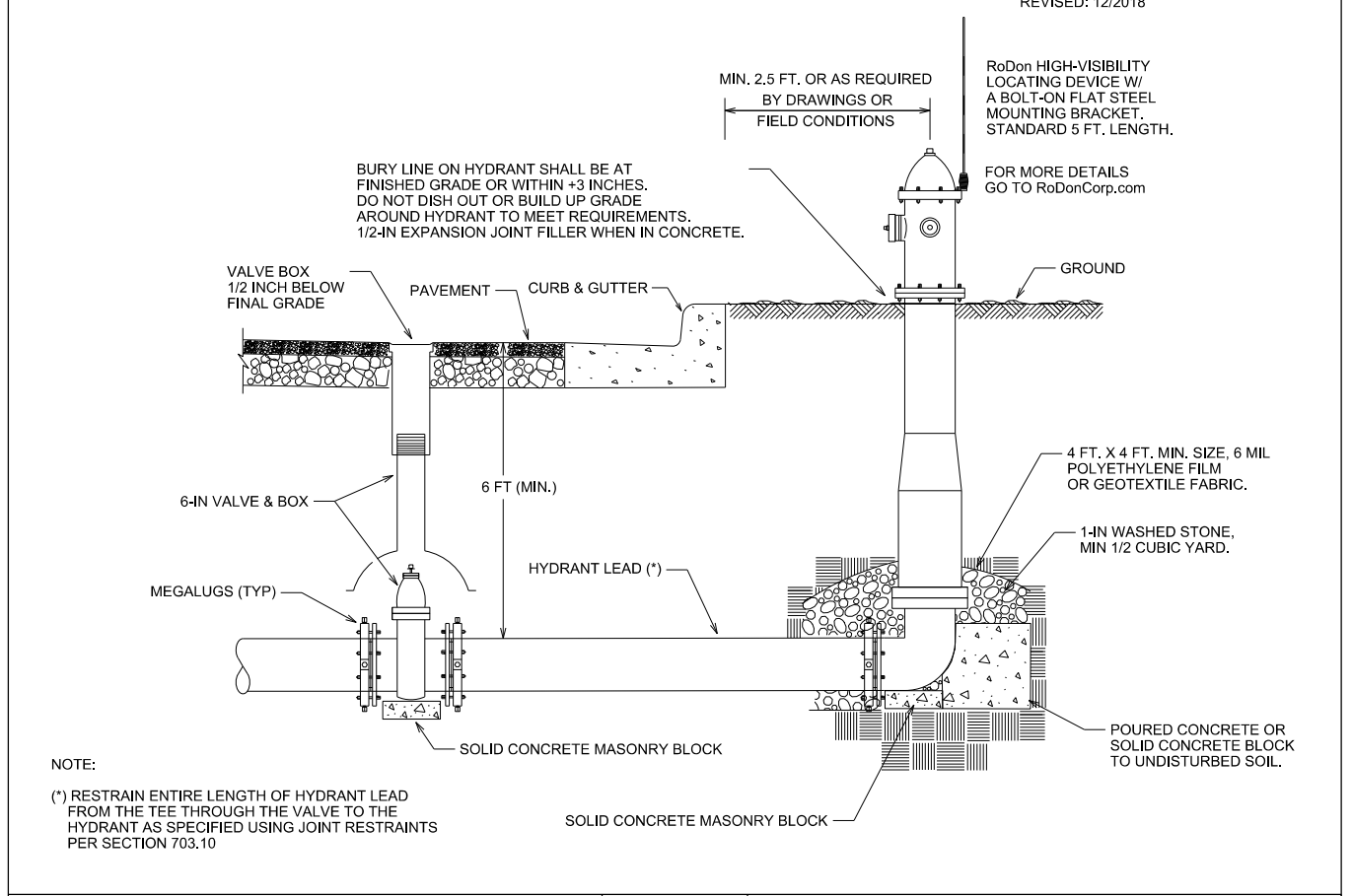


DISCLAIMER NOTE:
 UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2018

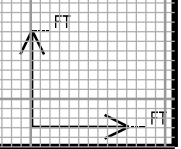
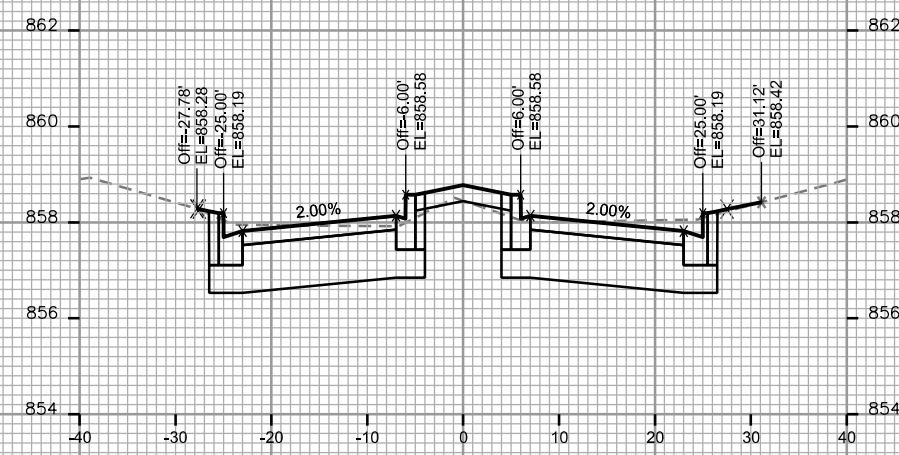
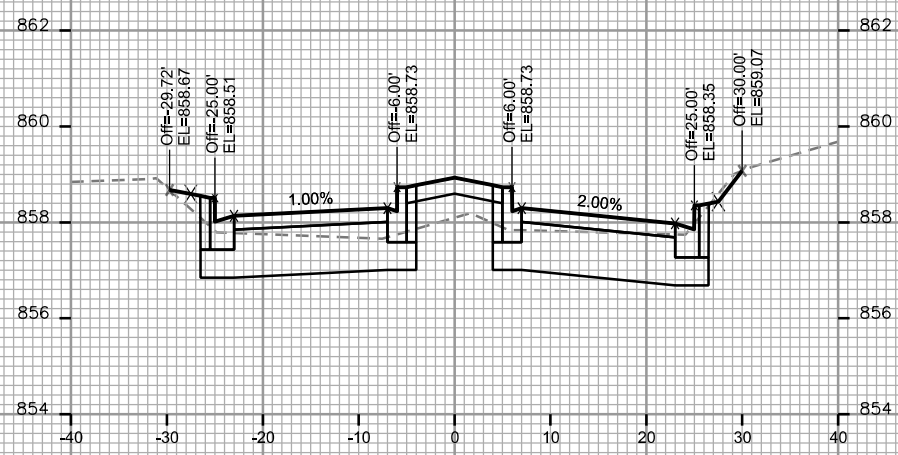
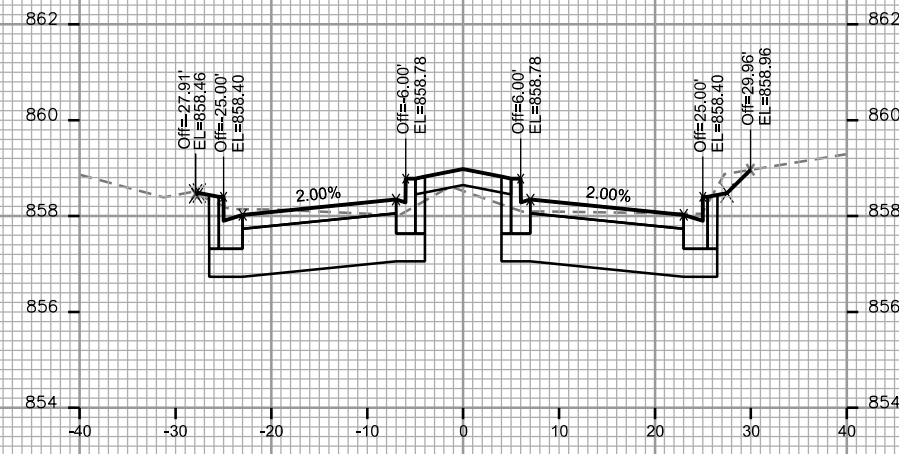
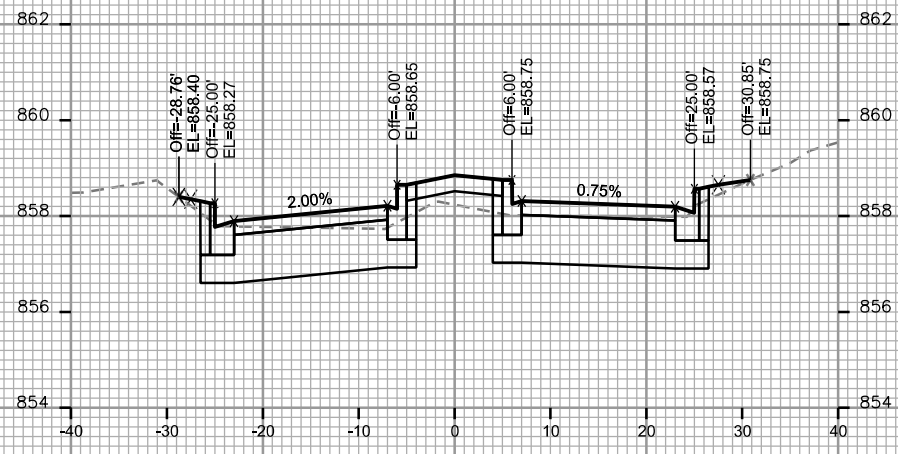
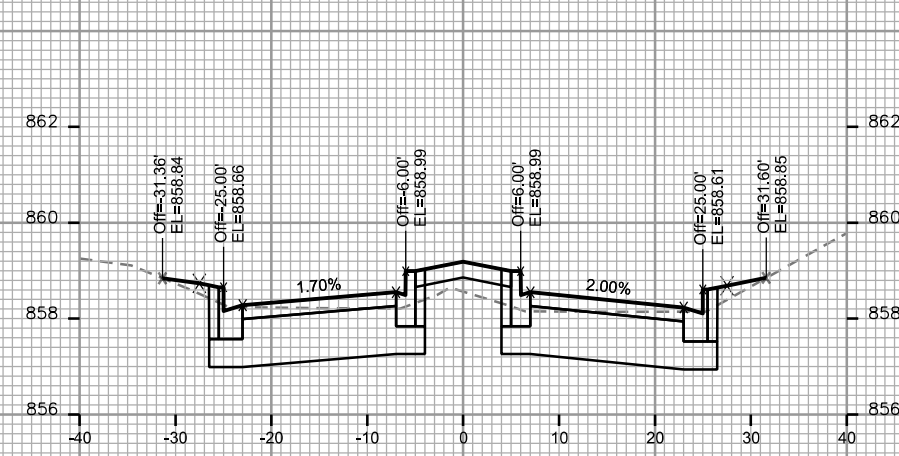
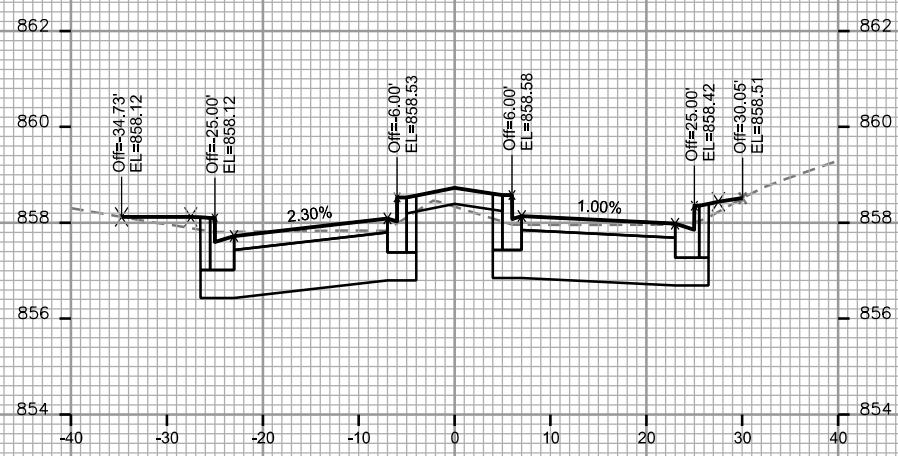


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

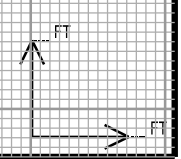
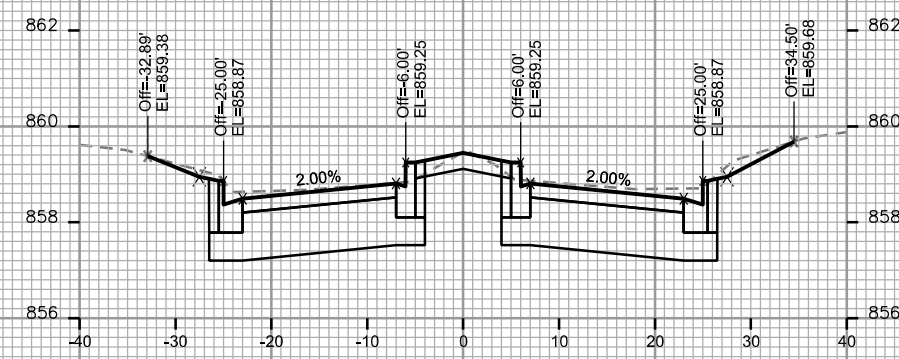
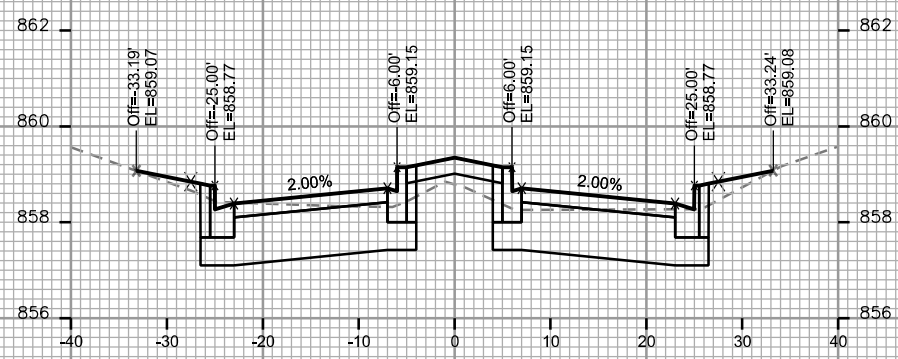
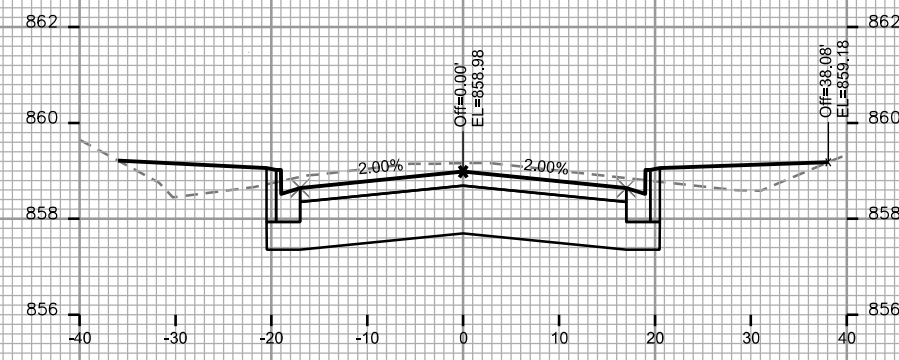
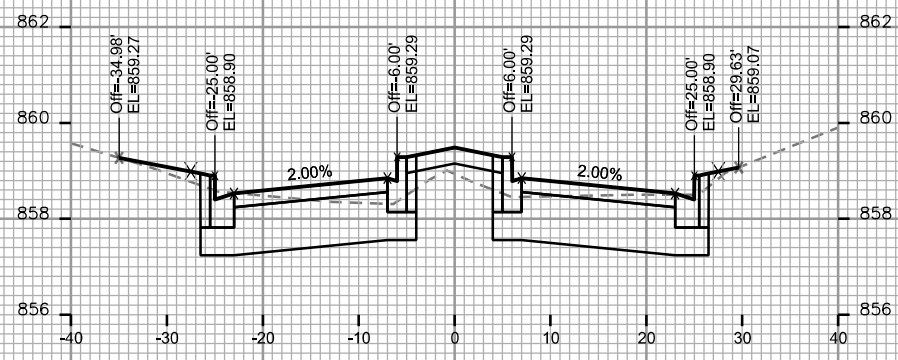
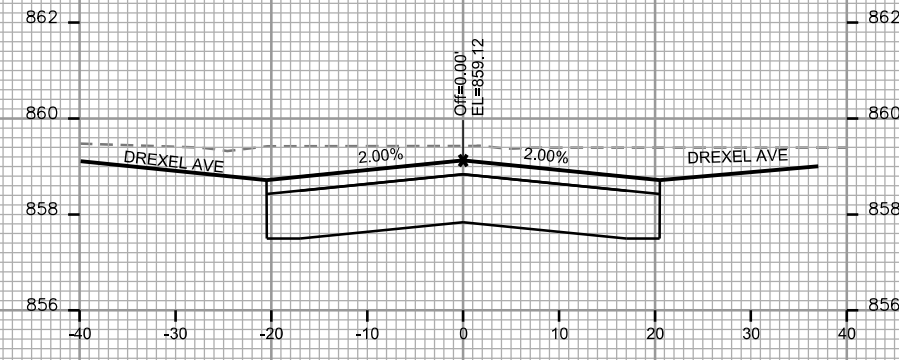
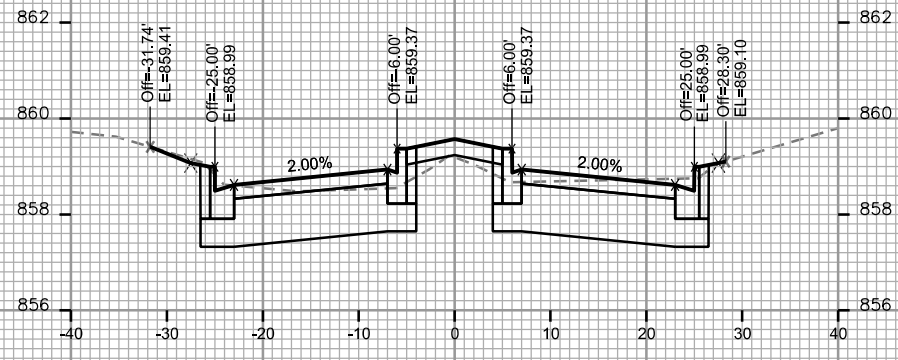
ORIGINATOR: CITY OF MADISON - STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

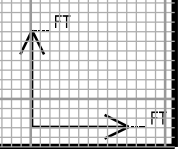
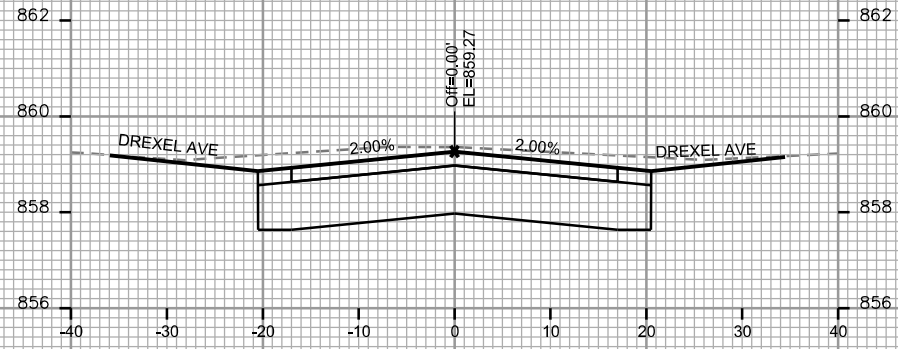
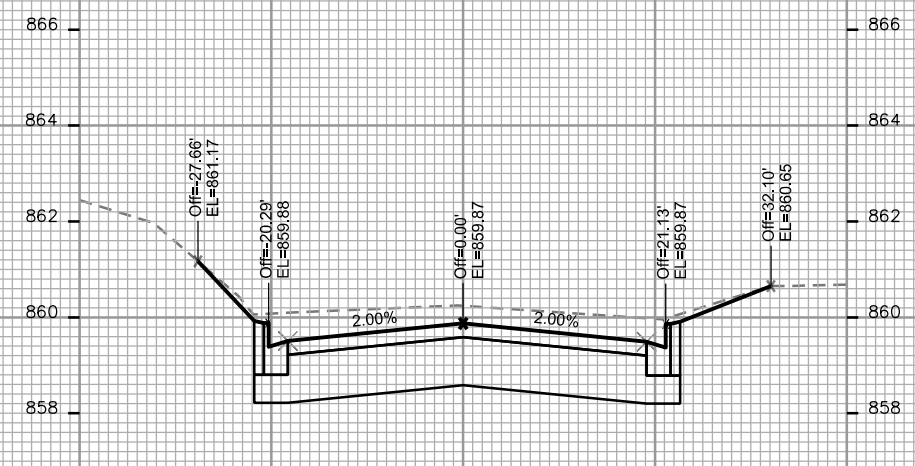
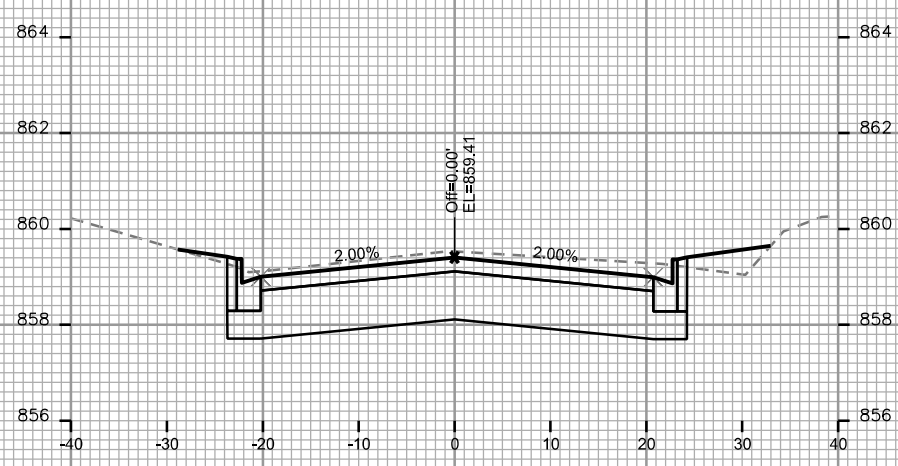
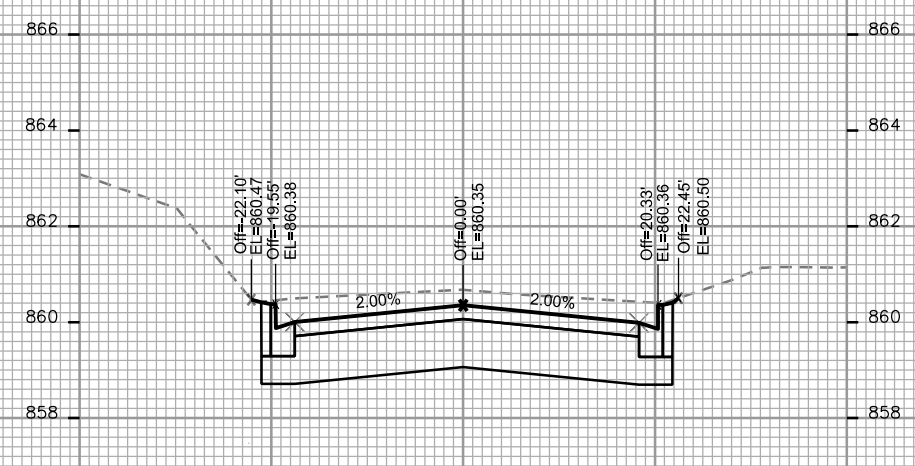
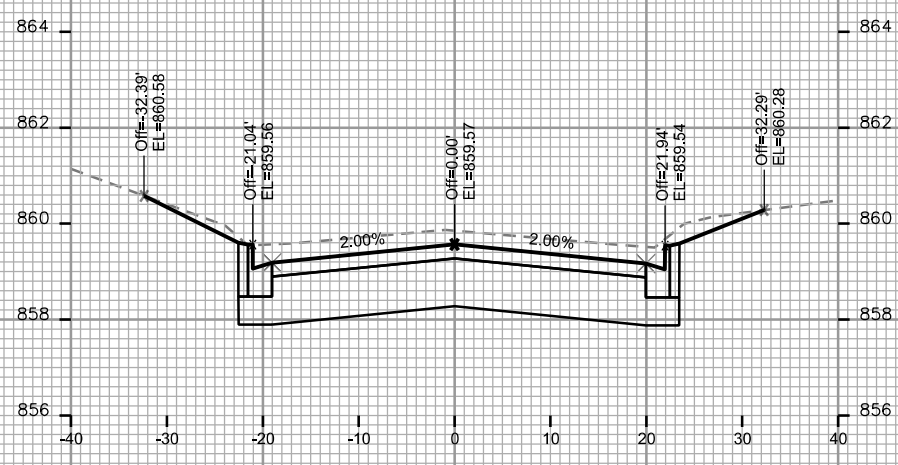


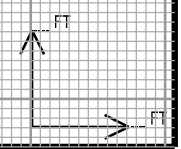
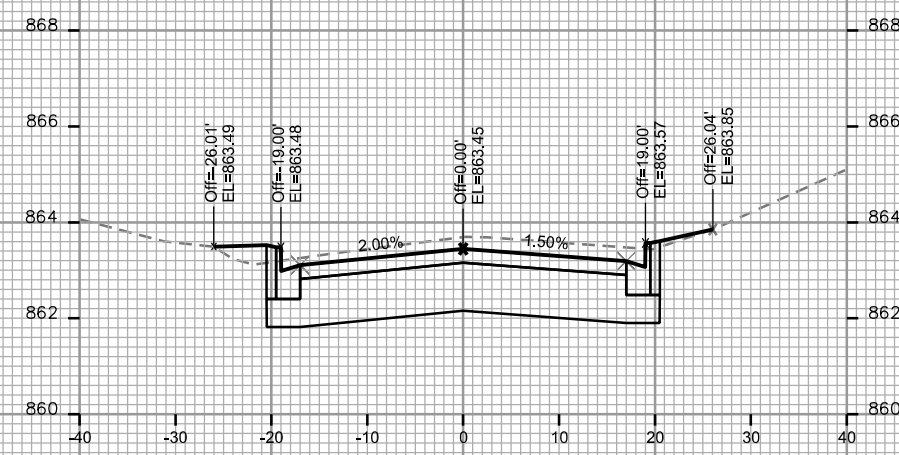
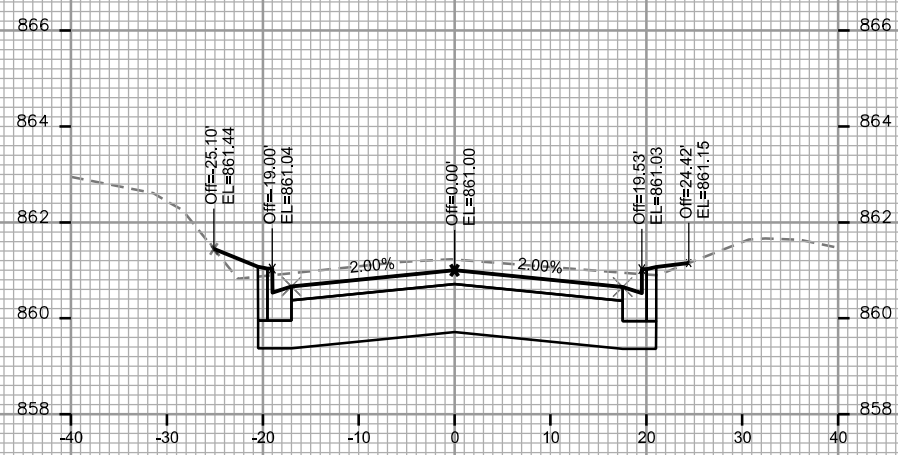
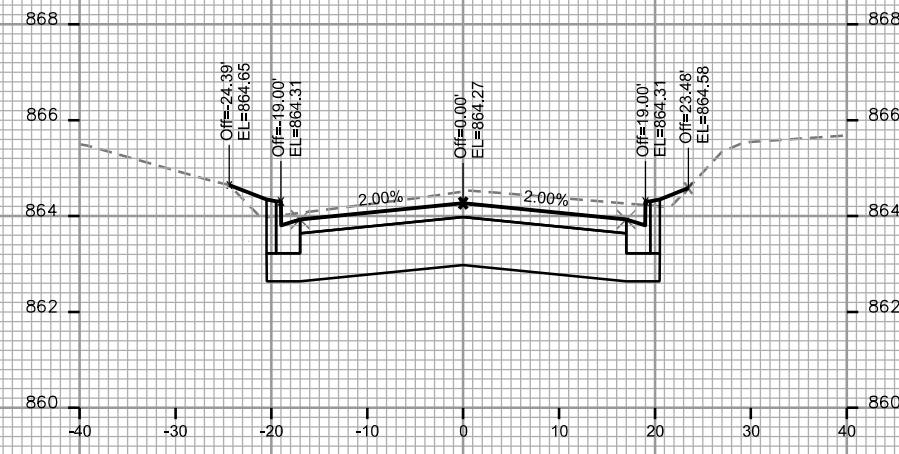
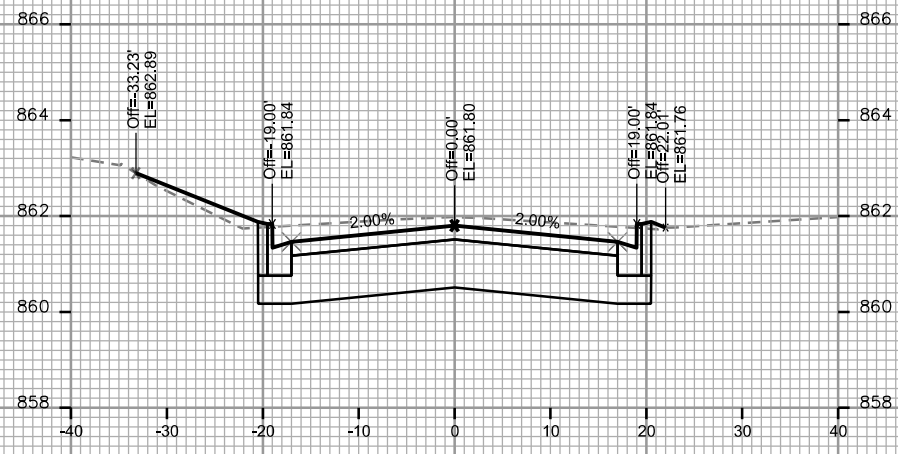
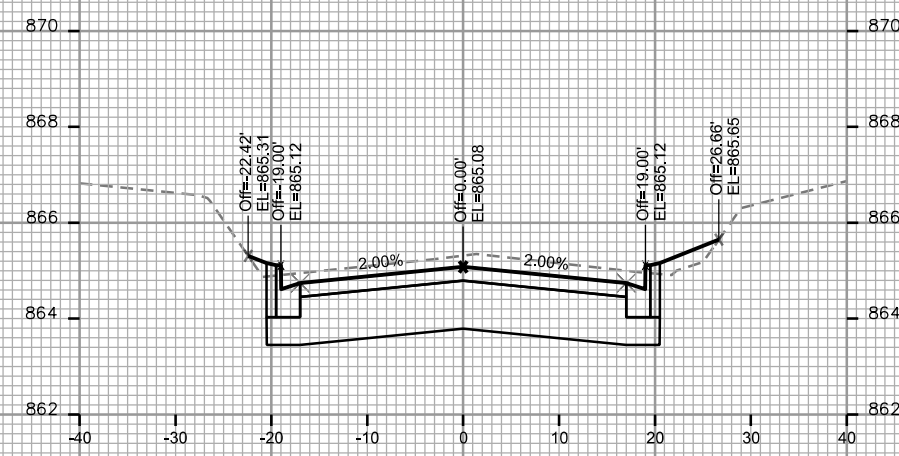
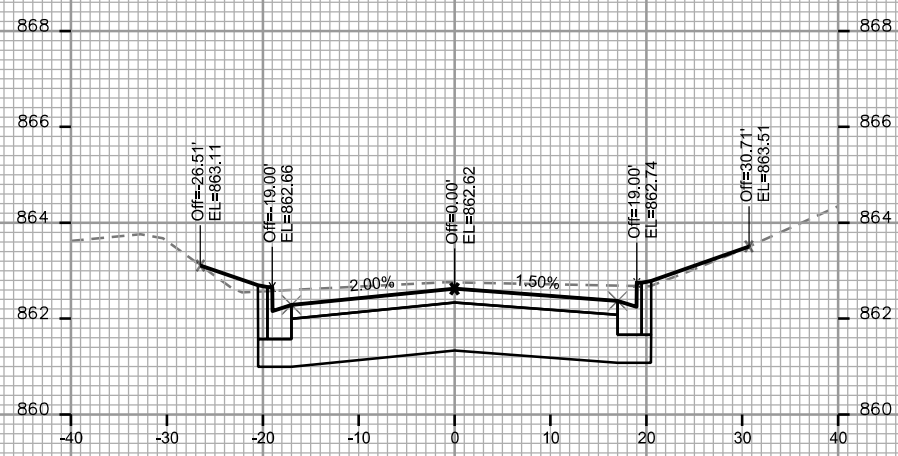
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION





PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

LAKE EDGE BLVD

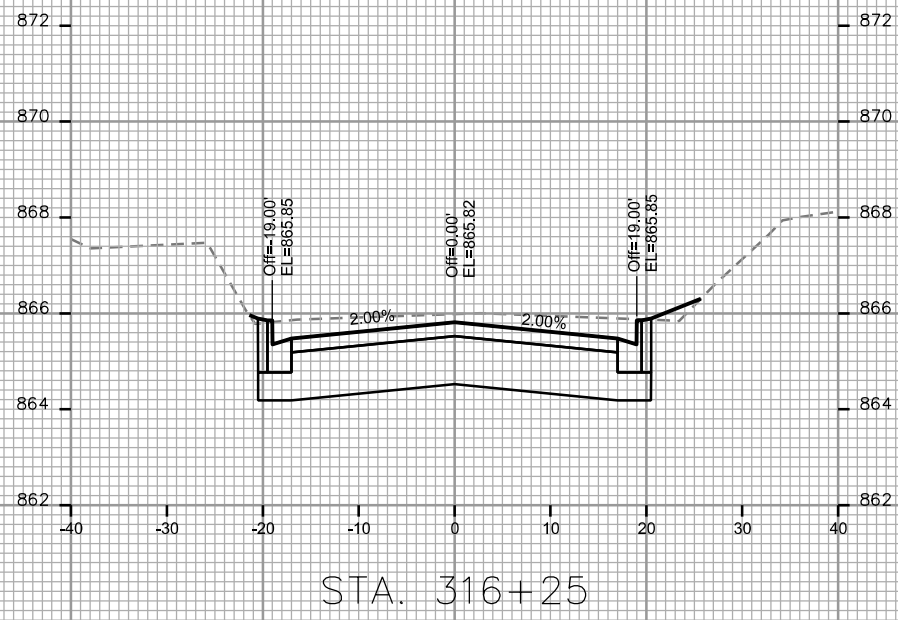
CITY OF MADISON

PLOT SCALE: _____

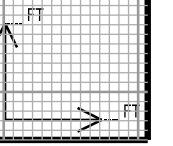
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION



STA. 316+25

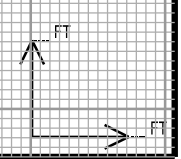
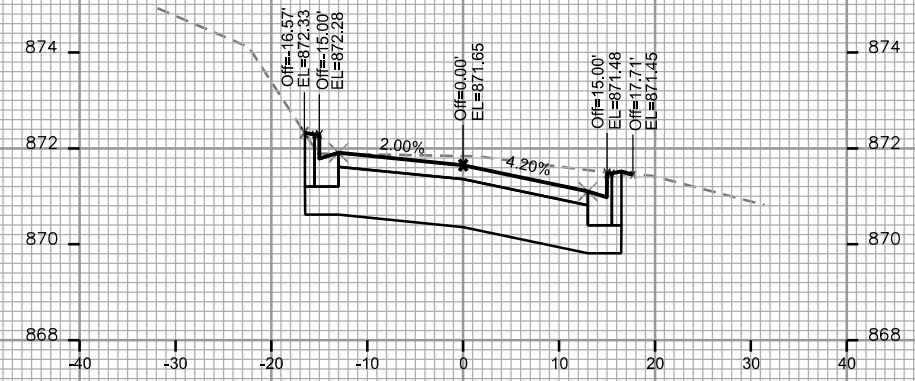
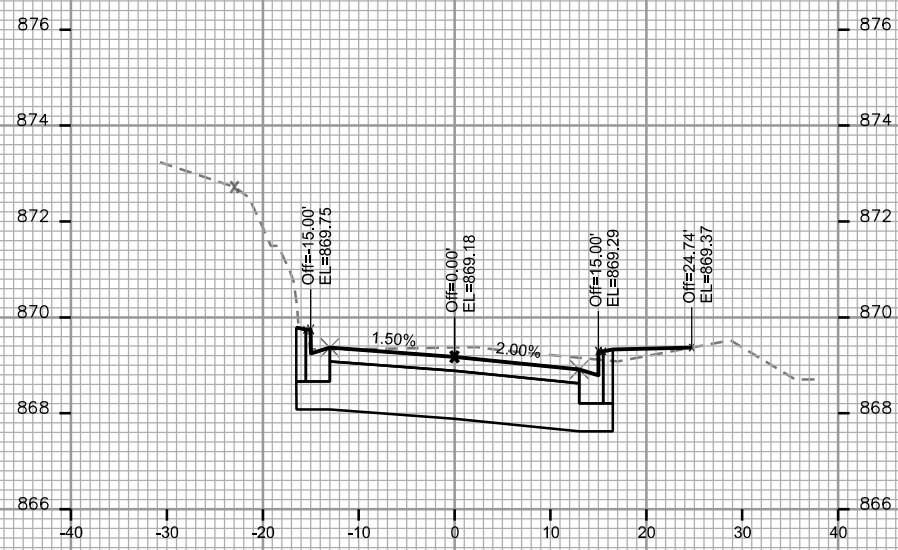
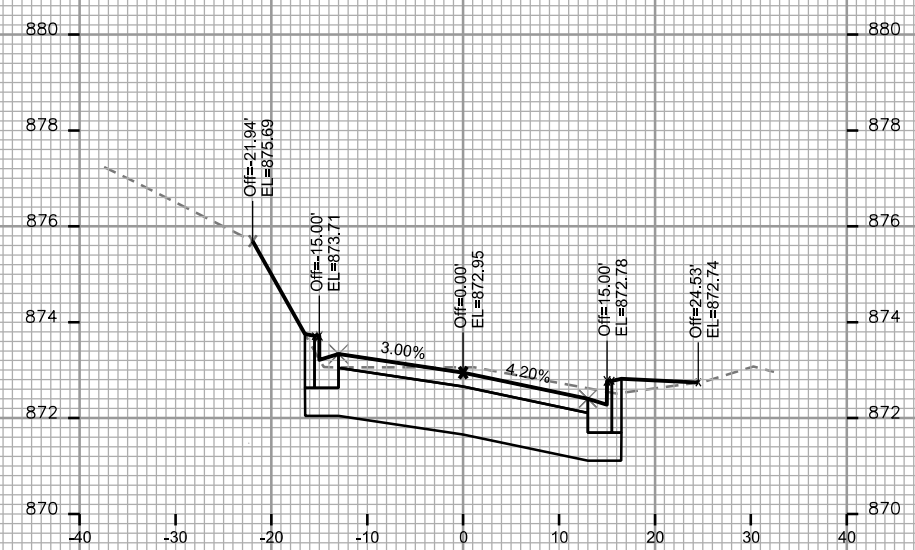
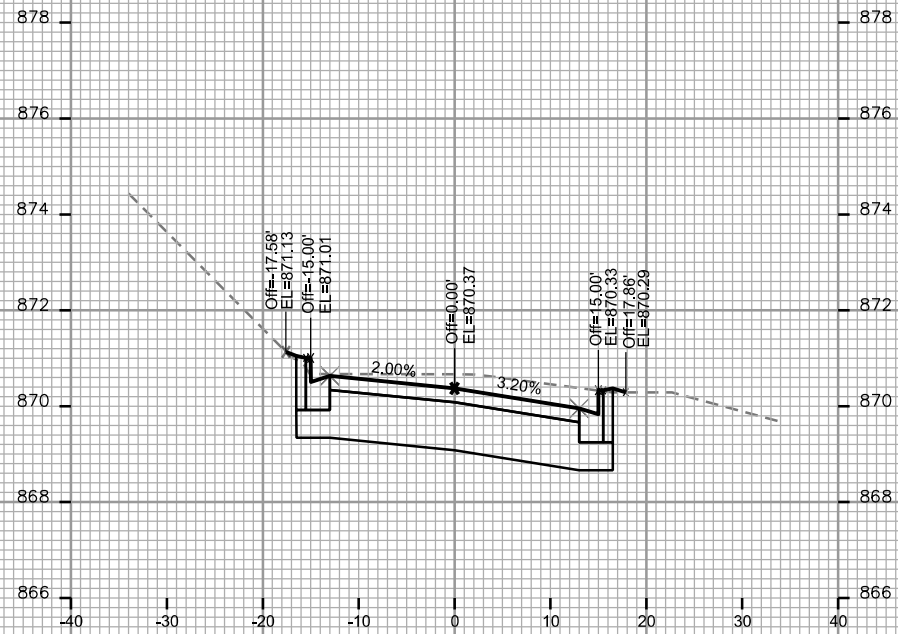


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

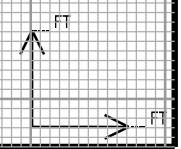
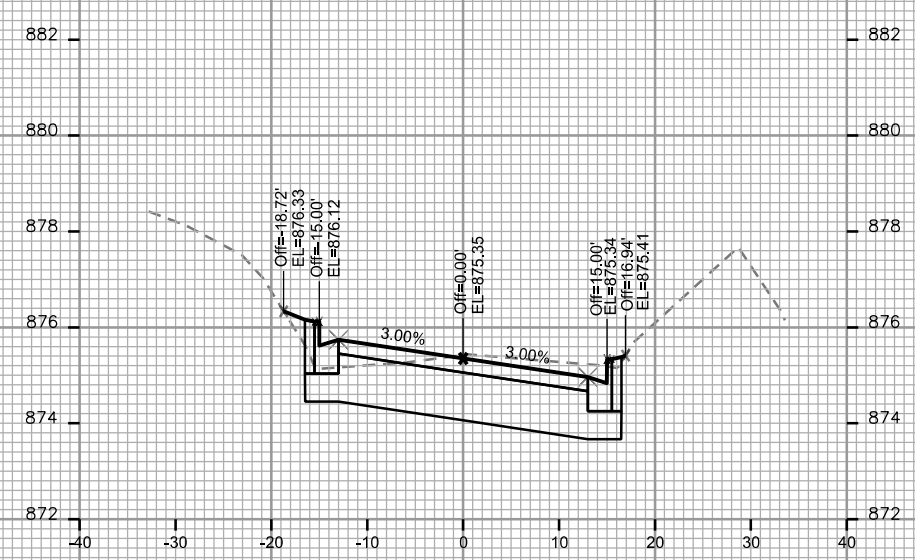
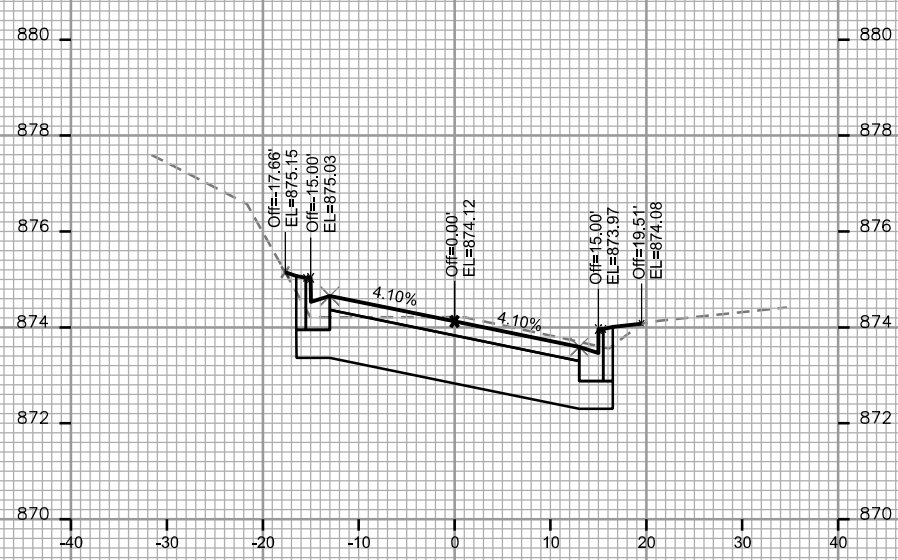
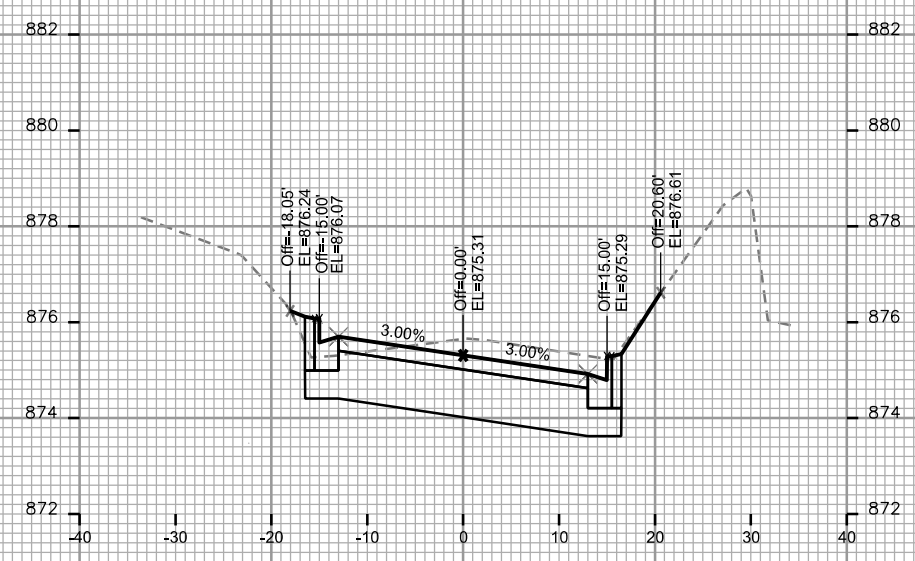
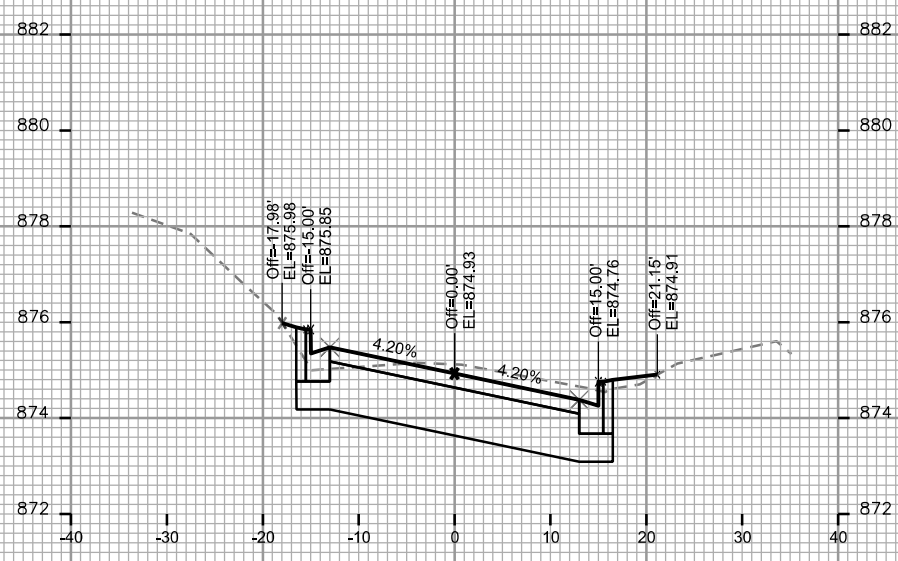


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

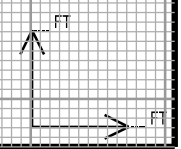
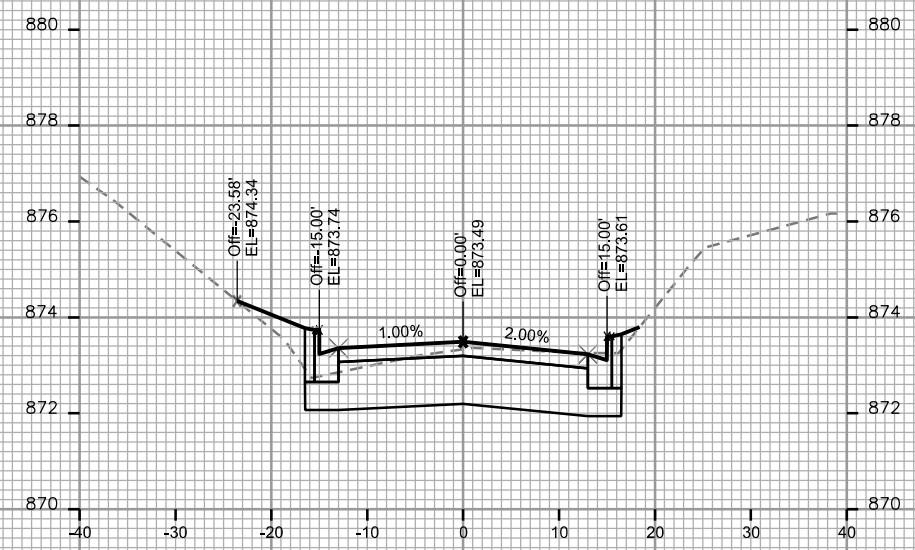
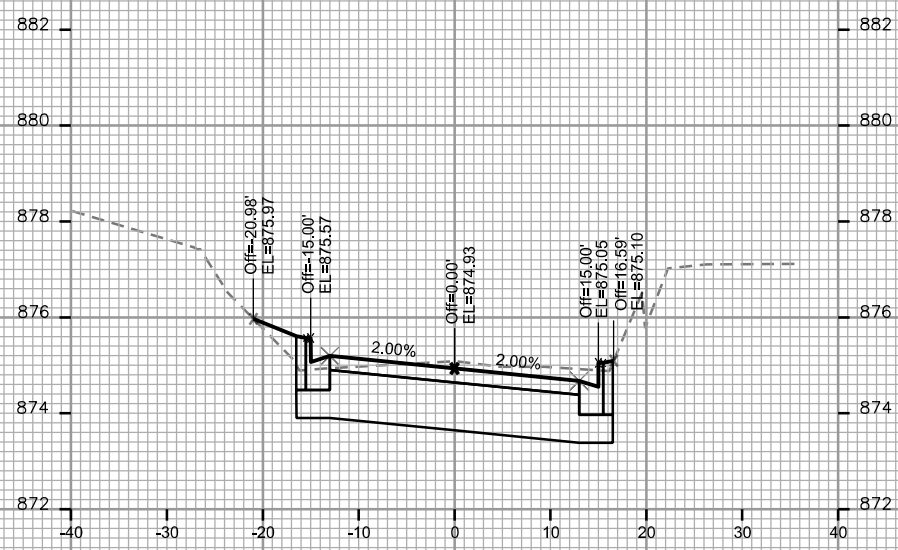
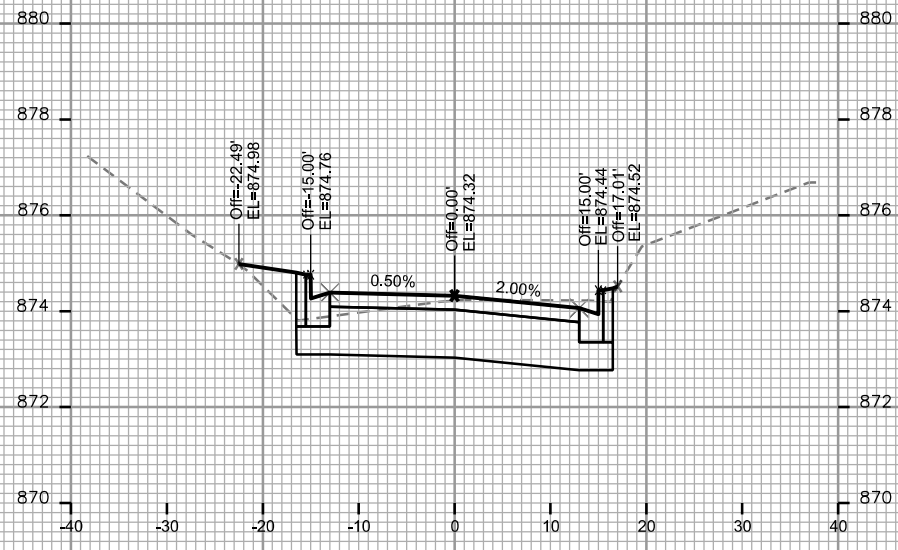


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

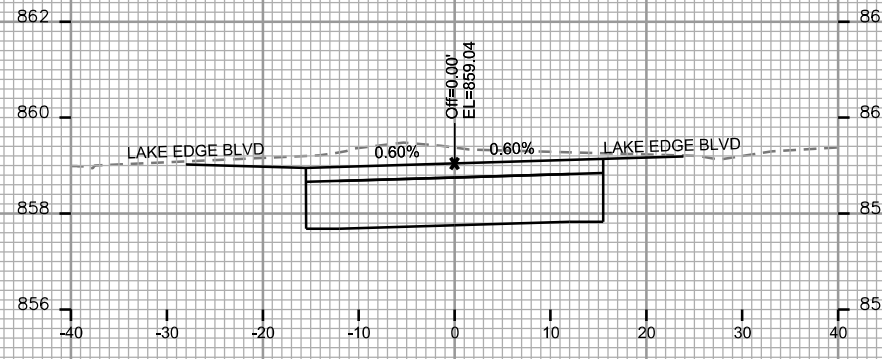


PLOT SCALE: _____

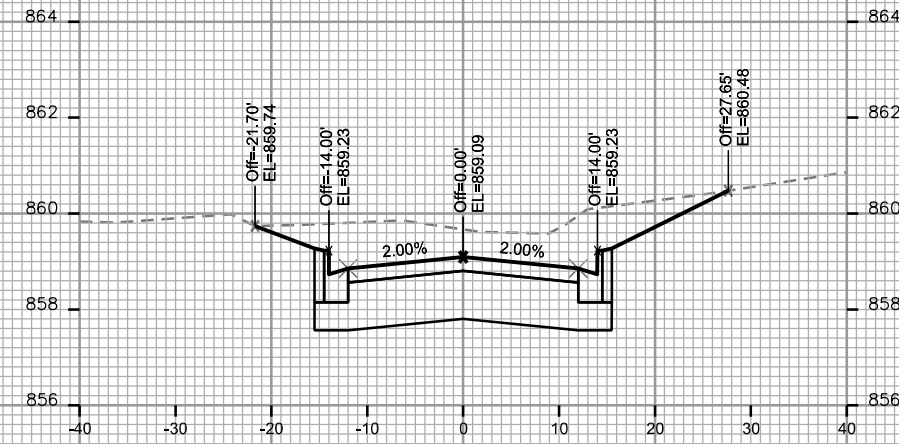
PLOT NAME: _____

REV. DATE: _____

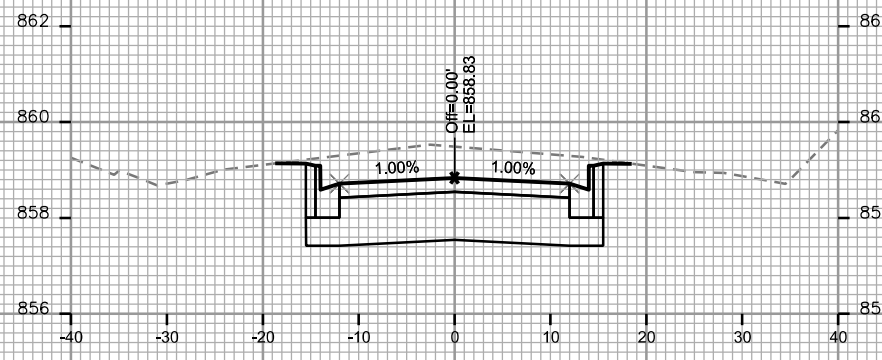
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



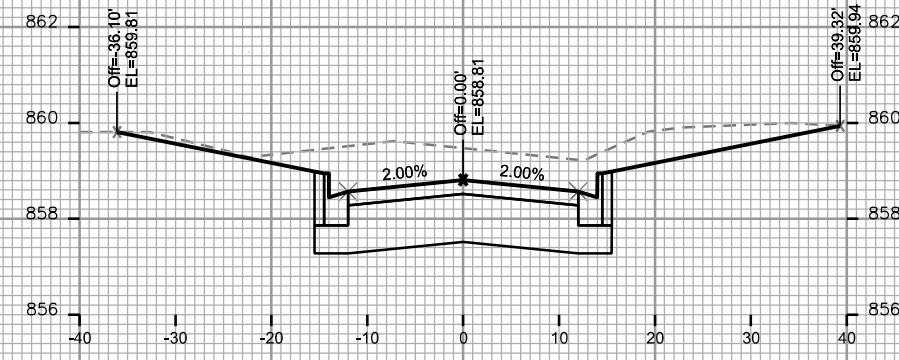
STA. 11+25



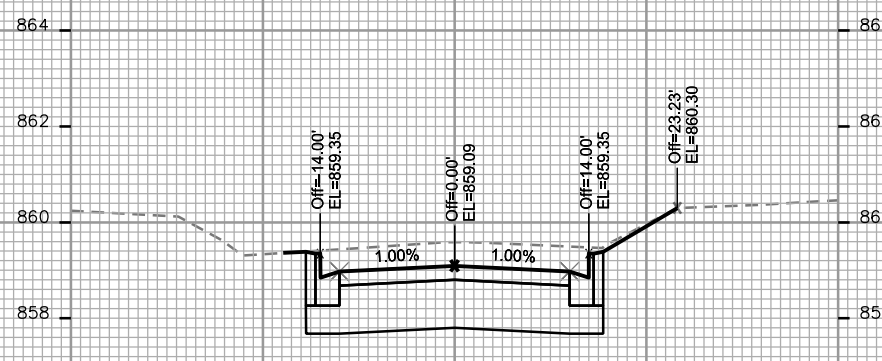
STA. 12+00



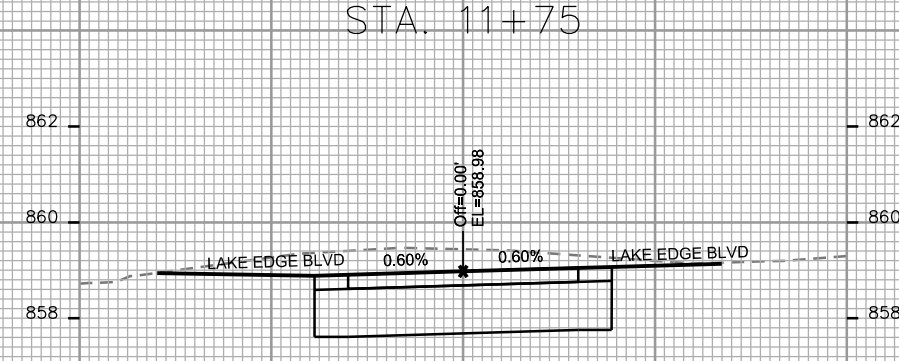
STA. 11+00



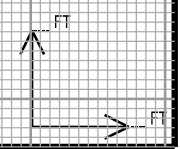
STA. 11+75



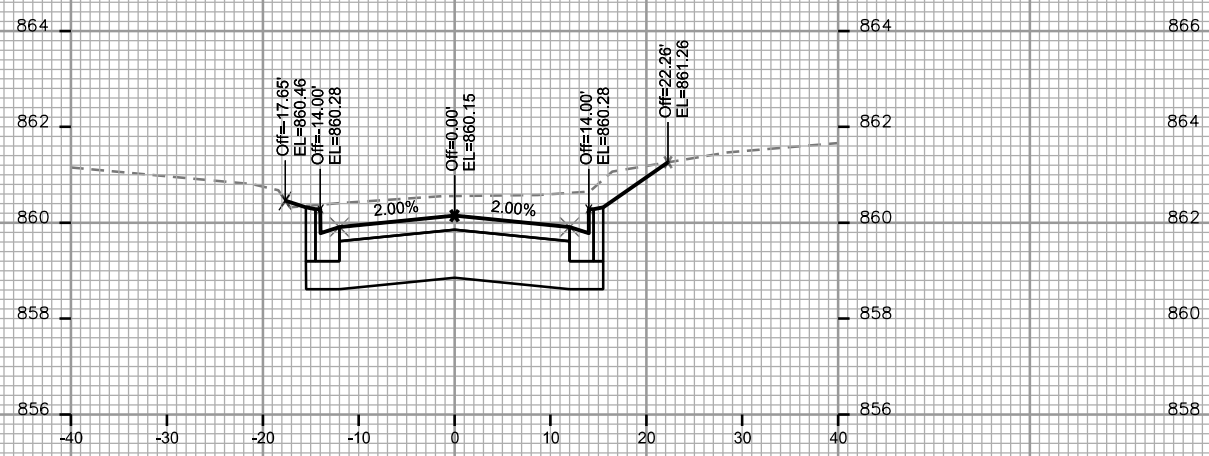
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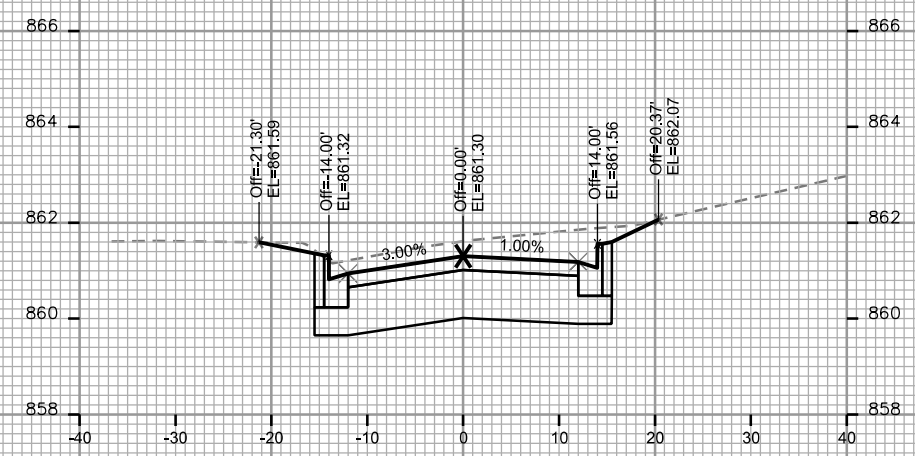
STA. 11+50



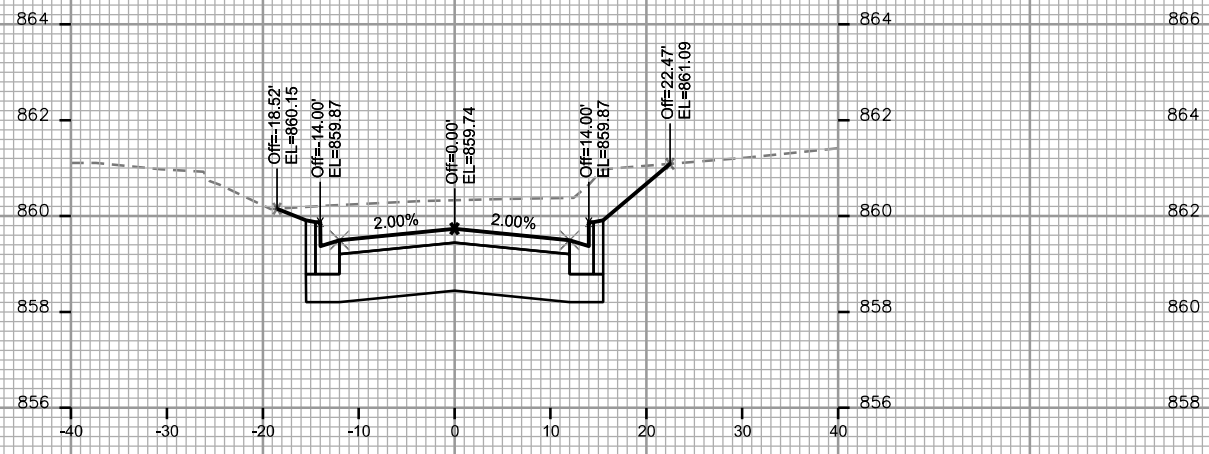
CROSS SECTIONS
DREXEL AVE CITY OF MADISON



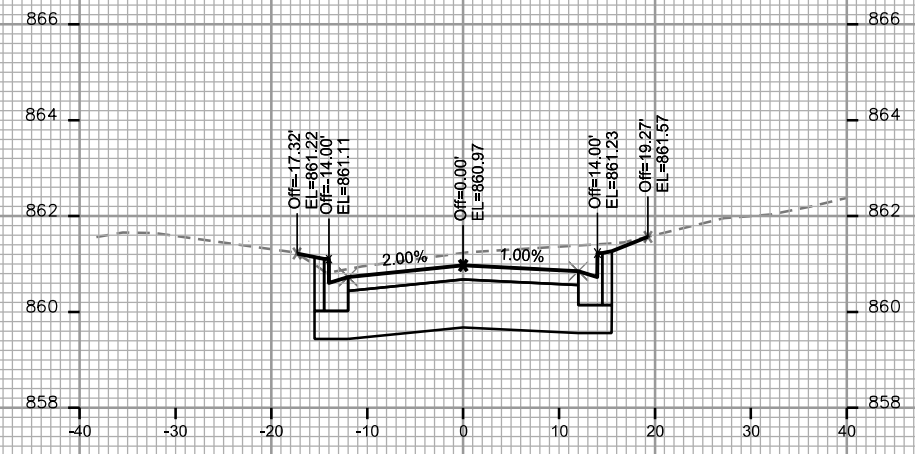
STA. 12+75



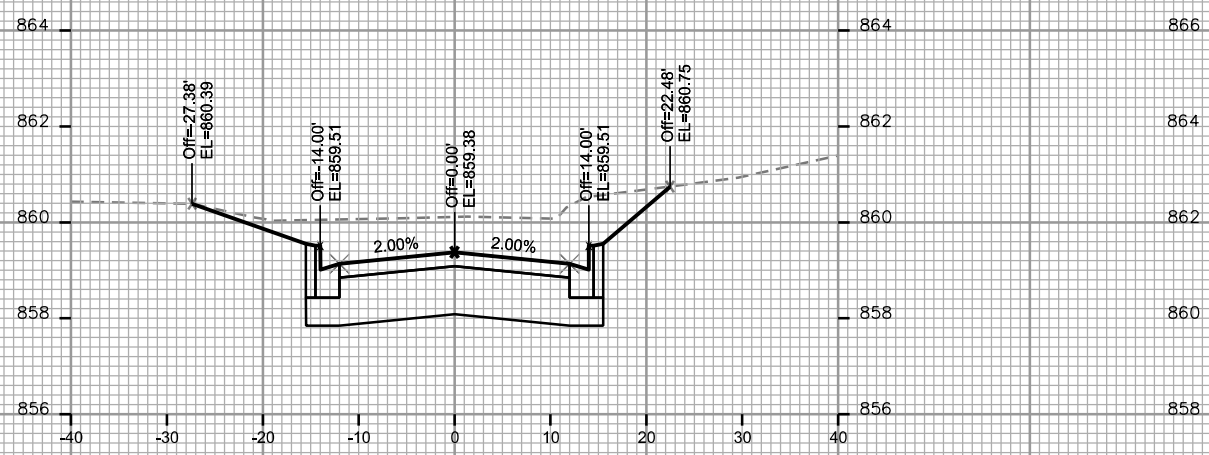
STA. 13+50



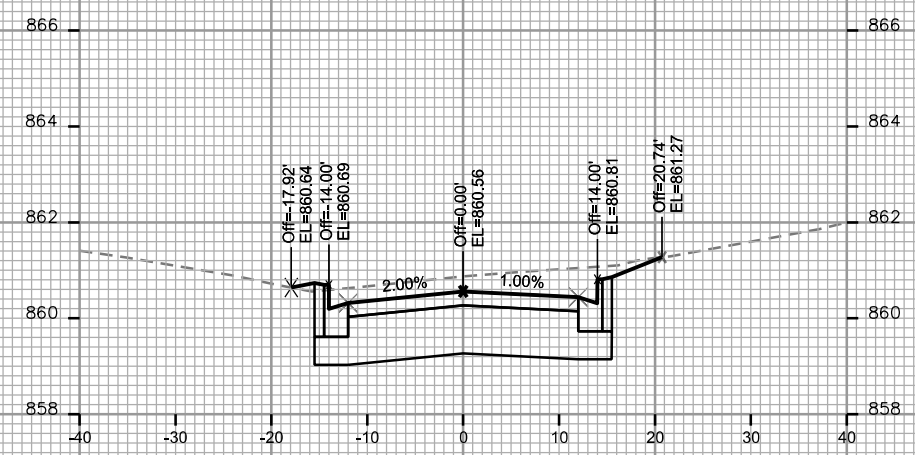
STA. 12+50



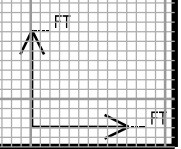
STA. 13+25



STA. 12+25



STA. 13+00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

DREXEL AVE

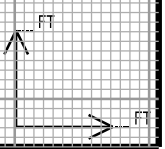
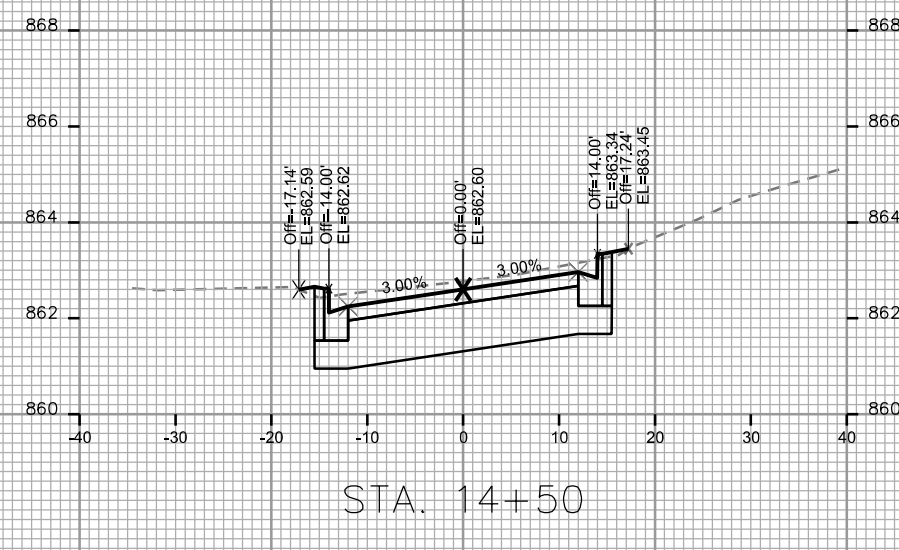
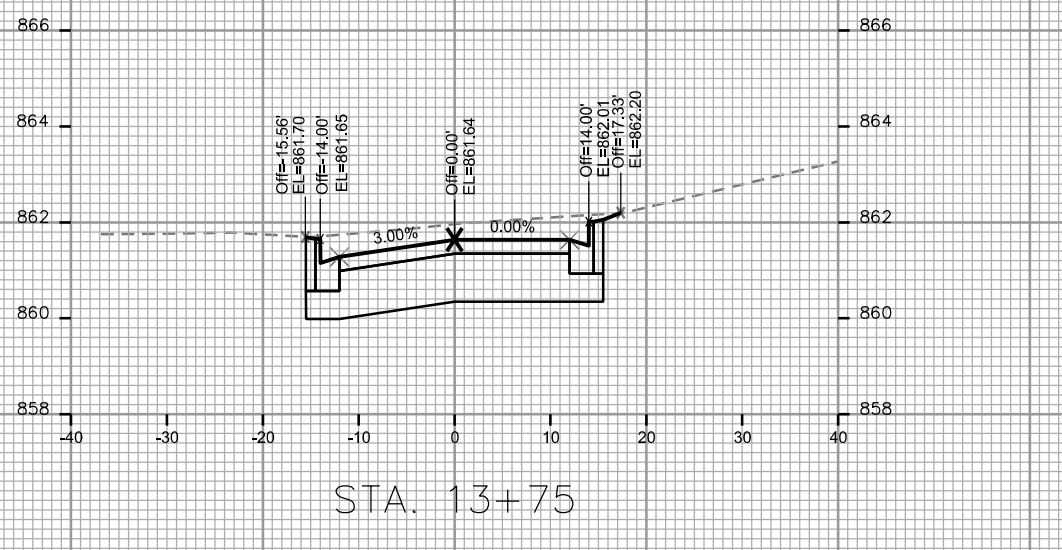
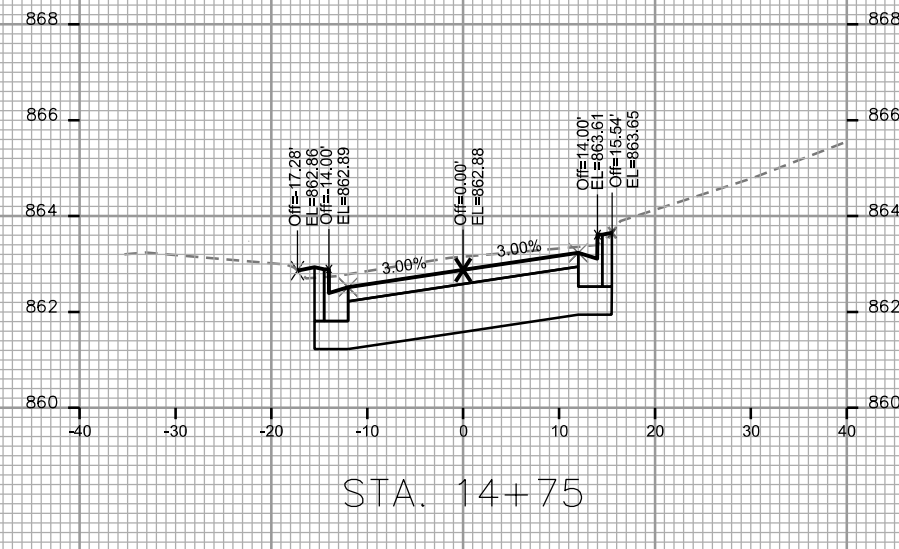
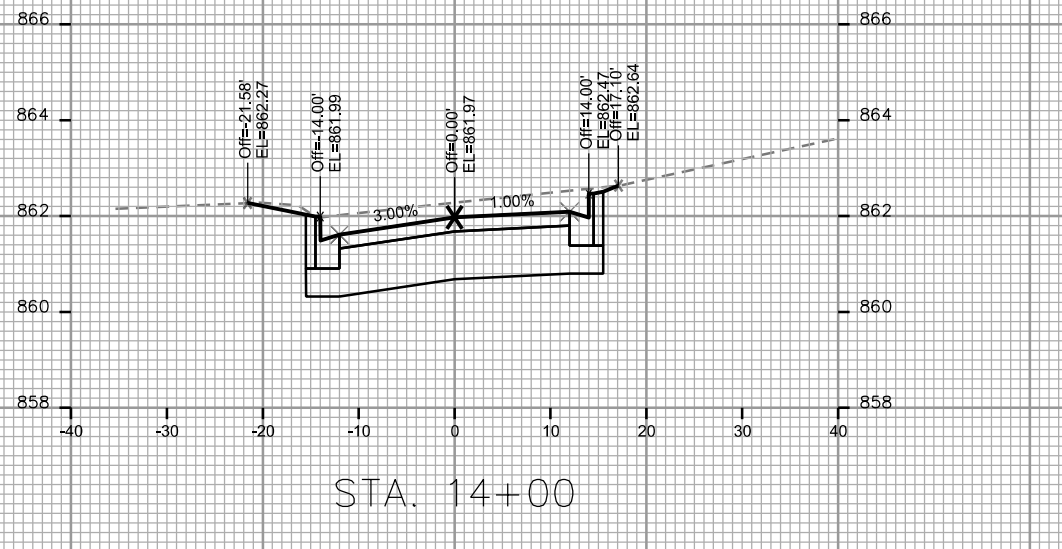
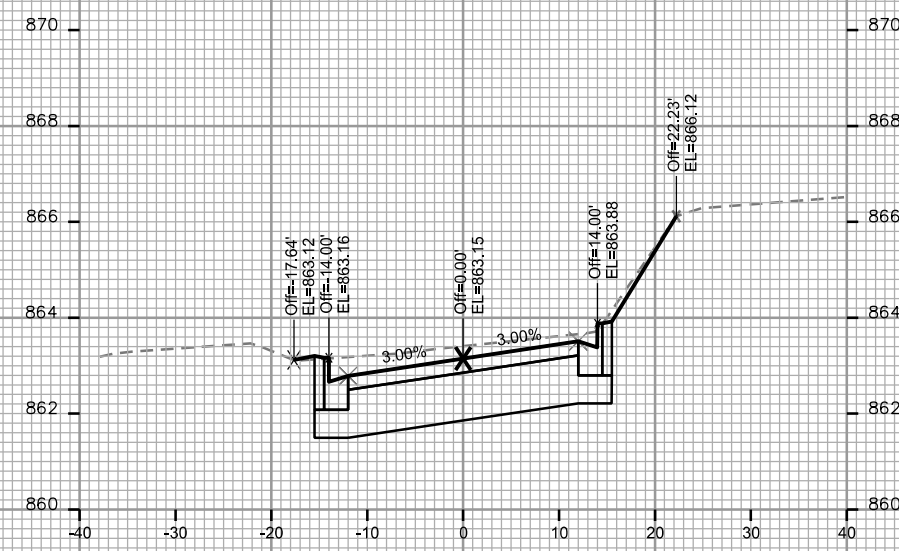
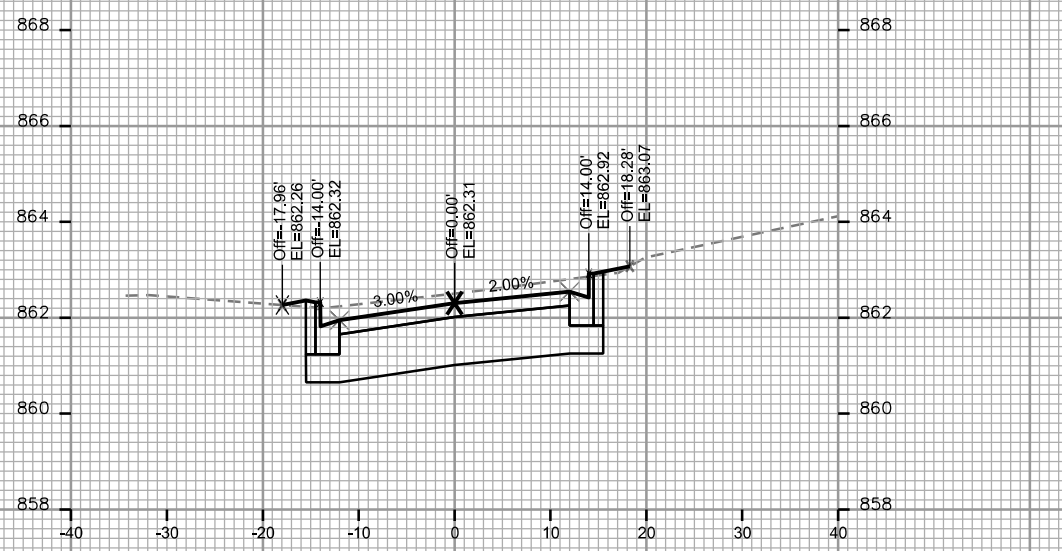
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

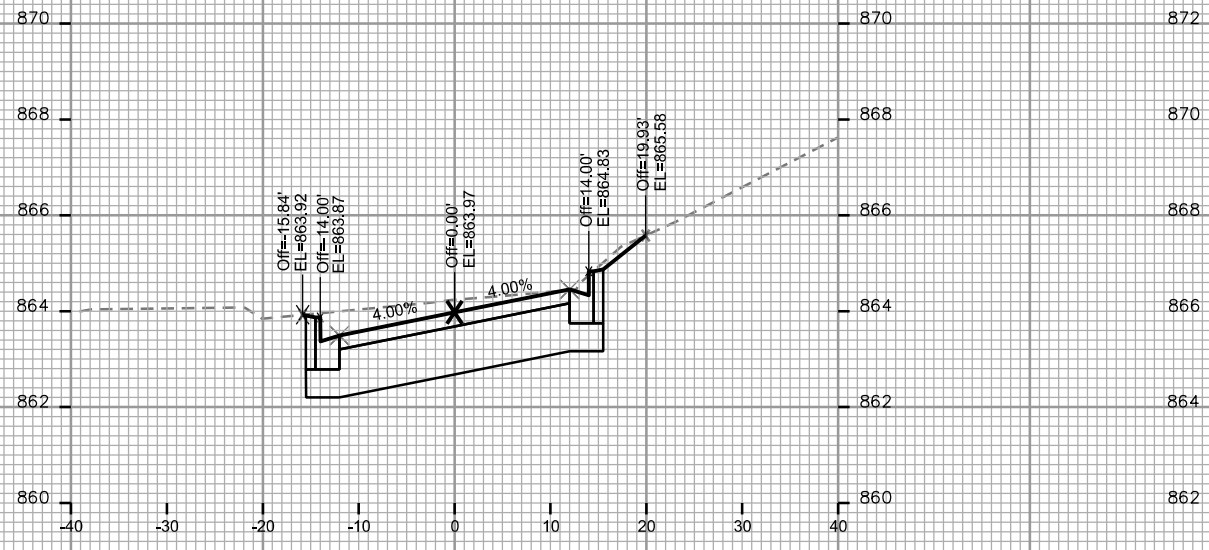


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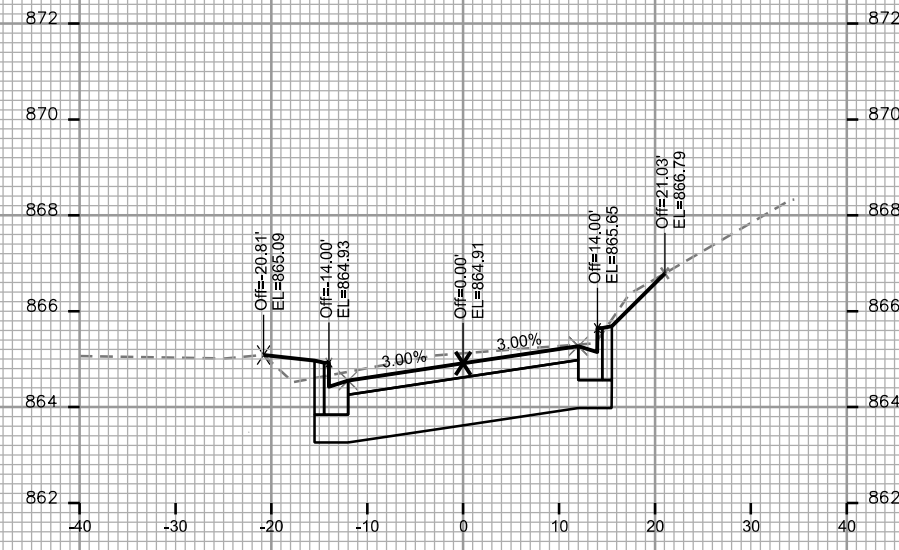
PLOT NAME: _____

REV. DATE: _____

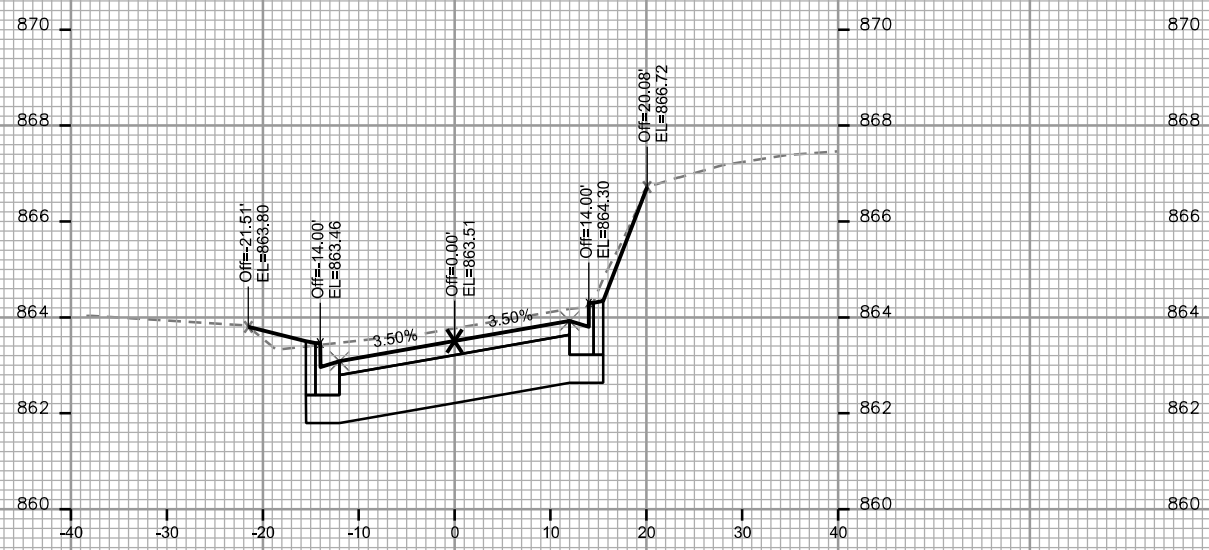
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



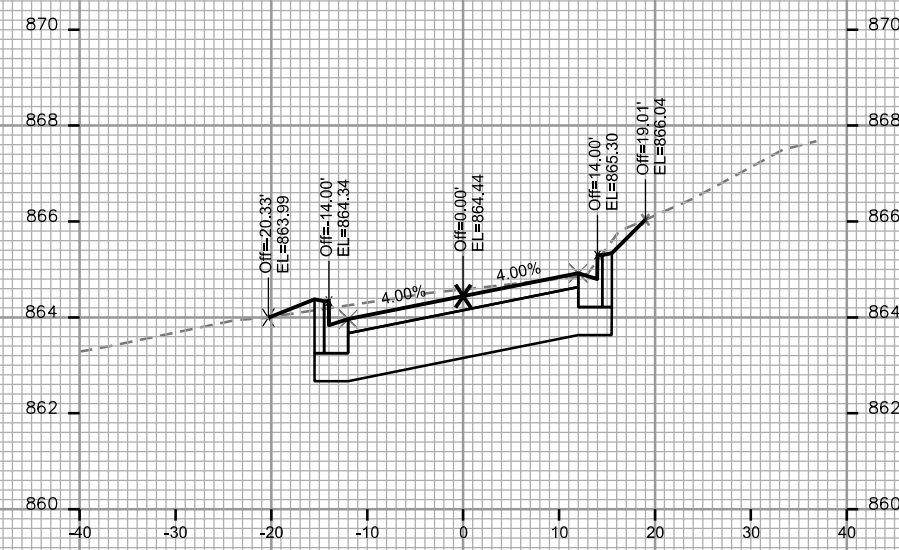
STA. 15+50



STA. 16+00



STA. 15+25



STA. 15+75

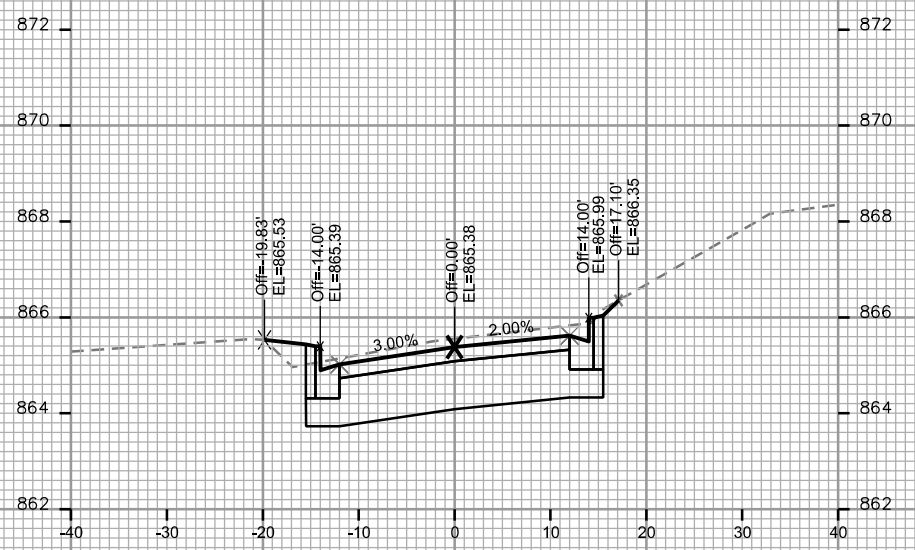


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 16+25

