

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

APRIL 16, 2019

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 2/11/20
City Engineer Date

INDEX OF SHEETS

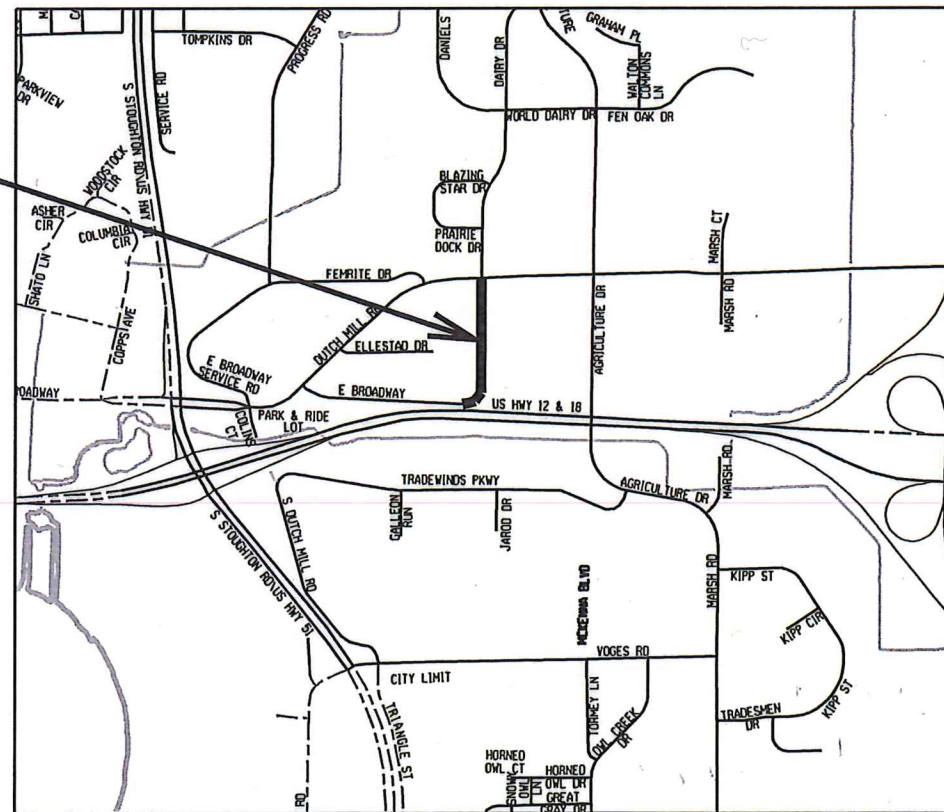
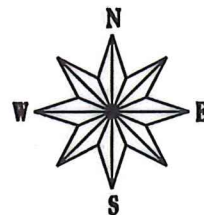
SHEET NO.	TITLE
SHEET NO. 1	TYPICAL SECTIONS
SHEET NO. D1	DEMOLITION PLAN
SHEET NO. D2	EROSION CONTROL PLANS
SHEET NO. EC1-EC3	STREET PLAN & PROFILES
SHEET NO. P1-P3	SEWERS PLAN & PROFILES
SHEET NO. U1-U3	BIOINFILTRATION BASIN DETAIL
SHEET NO. U4	BIOINFILTRATION BASIN RESTORATION PLAN
SHEET NO. U5	SEWER SCHEDULES
SHEET NO. U6-U7	WATER PLAN & PROFILES
SHEET NO. W1-W3	WATER ESTIMATE OF MATERIALS
SHEET NO. W4	WATER IMPACT PLAN
SHEET NO. W5	ELECTRICAL PLANS
SHEET NO. E1-E3	TRAFFIC CONTROL PLAN
SHEET NO. TC-1	CROSS SECTIONS
SHEET NO. XI-X12	MAINTANENCE MAP (CITY USE ONLY)
SHEET NO. M-1	

DAIRY DRIVE ASSESSMENT DISTRICT - 2019

CITY PROJECT NO. 11865

CONTRACT NO. 8294

PROJECT
LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

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

NOTES:

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

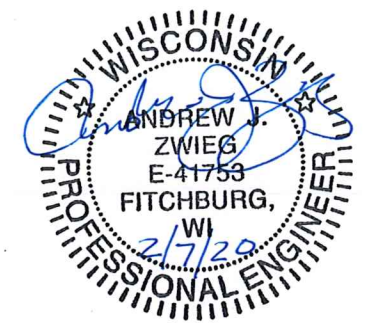
SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00%

EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY).....10,000 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....2,000 C.Y.
ESTIMATED BIO-INFILTRATION POND EXCAVATION CUT.....1,250 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....13,250 C.Y.

TRAFFIC CONTROL
DESIGNED BY:



STREET
DESIGNED BY:



ELECTRICAL
DESIGNED BY:



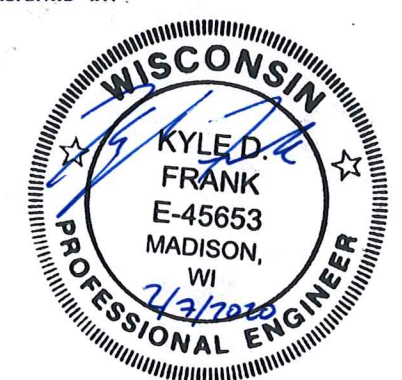
SANITARY SEWER
DESIGNED BY:



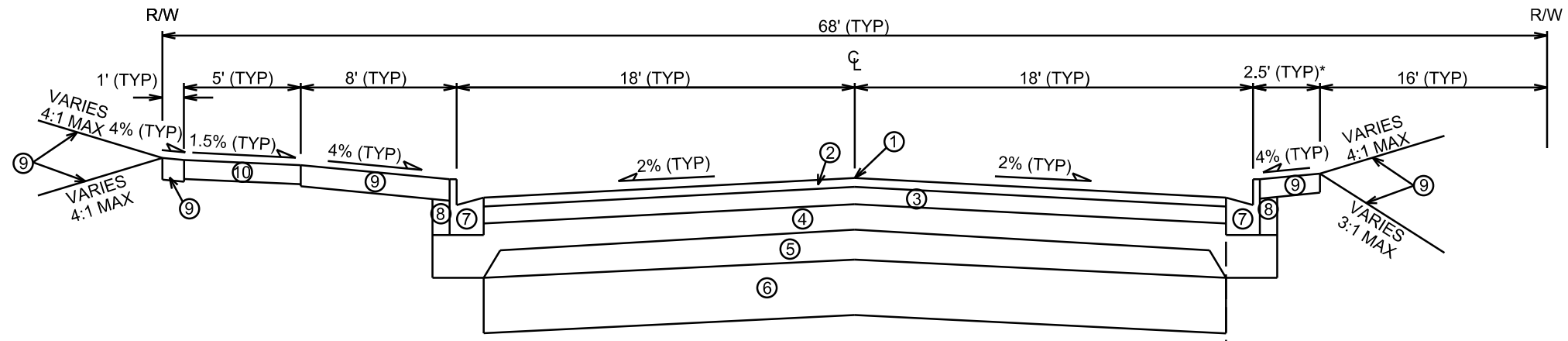
WATER MAIN
DESIGNED BY:



STORM SEWER
DESIGNED BY:



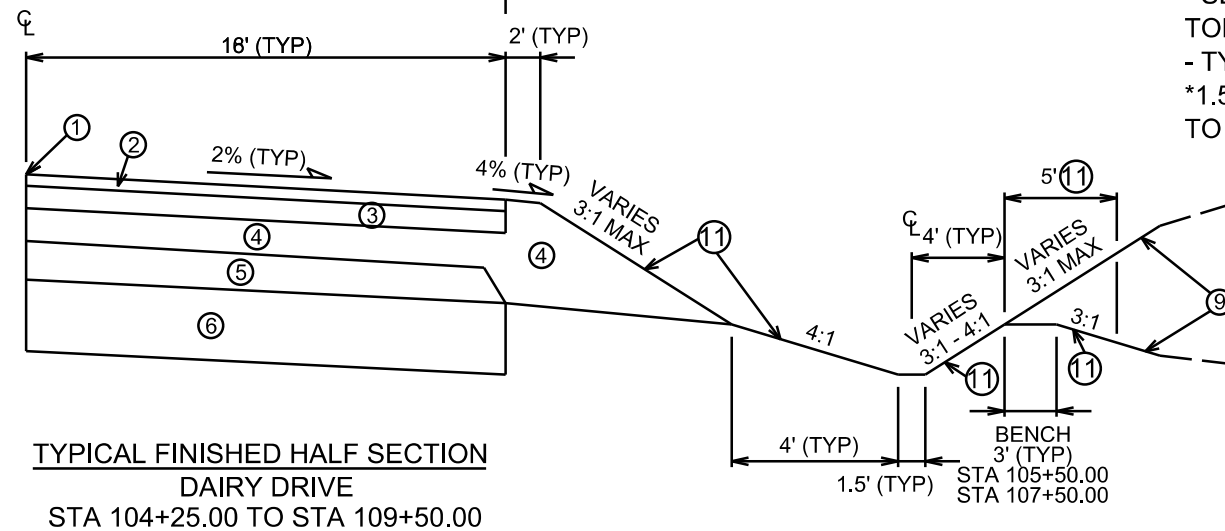
PLOT SCALE: _____
REV. DATE: _____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL FINISHED SECTION
DAIRY DRIVE
STA 103+28.92 TO STA 117+11.77

- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER, 4 MT 58-28 S
- ③ 3 1/2" BITUMINOUS LOWER LAYER, 3 MT 58-28 S
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ 12" BREAKER RUN
- ⑦ TYPE 'A' CONCRETE CURB & GUTTER
- ⑧ FILL, INCIDENTAL
- ⑨ 6" TOPSOIL, TERRACE SEED & EROSION MAT, CLASS I, TYPE A - ORGANIC
- ⑩ 5" CONCRETE SIDEWALK
- ⑪ 6" TOPSOIL, COMMON NATIVE SEED MIX & EROSION MAT, CLASS II, TYPE C - ORGANIC

NOTES:
- SEE CROSS SECTIONS FOR CROSS SLOPES, TOP OF CURB ELEVATIONS, & SWALE LAYOUT.
- TYPICAL SECTION NOT TO SCALE.
*1.5' TERRACE FROM STA 103+28.92 TO STA 103+90 RT.



TYPICAL FINISHED HALF SECTION
DAIRY DRIVE
STA 104+25.00 TO STA 109+50.00

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE:

- 1. WATER SERVICE DEMOLITION:
 - 1.1. THE MADISON WATER UTILITY SHALL BE NOTIFIED TO REMOVE THE WATER METER AT LEAST TWO WORKING DAYS PRIOR TO DEMOLITION. CONTACT THE WATER UTILITY METER DEPARTMENT AT (608) 266-4765 TO SCHEDULE THE METER REMOVAL APPOINTMENT AND SHUT THE CURB STOP.
 - 1.2. ABANDON LATERALS: REMOVE WATER SERVICE BETWEEN THE HOUSE AND RIGHT-OF-WAY. CUT AND CAP THE SERVICE LATERAL AT THE RIGHT-OF-WAY LINE.
 - 1.3. WATER SERVICE DEMOLITION TO BE COORDINATED BY CITY ENGINEERING

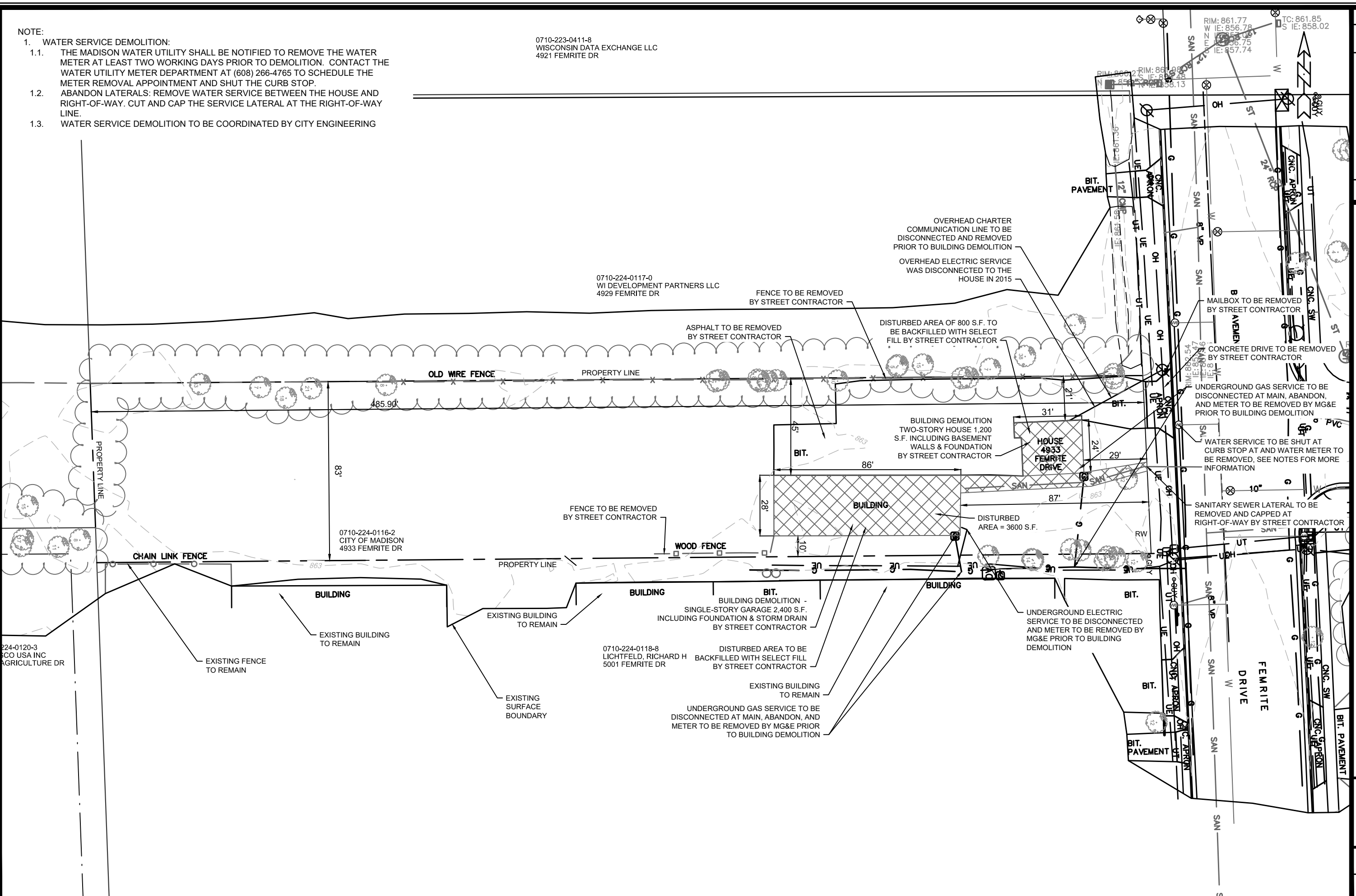
0710-223-0411-8
 WISCONSIN DATA EXCHANGE LLC
 4921 FEMRITE DR

0710-224-0117-0
 WI DEVELOPMENT PARTNERS LLC
 4929 FEMRITE DR

0710-224-0116-2
 CITY OF MADISON
 4933 FEMRITE DR

0710-224-0118-8
 LICHTFELD, RICHARD H
 5001 FEMRITE DR

224-0120-3
 CO USA INC
 AGRICULTURE DR



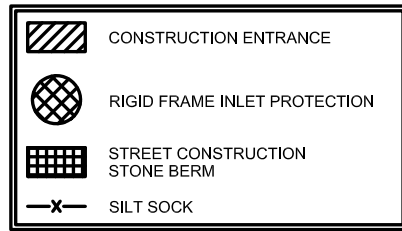
MARK	REVISION	DATE	BY

Designed By: A.Z. Date: 2/17/2020 11:30 AM Scale: 1" = 40'

11865
 MADISON, WI
 8294
 CONTRACT NO:
 DEMOLITION PLAN (4933 FEMRITE DRIVE)
 DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)

11865
 D-2

M:\DESIGN\Projects\11865\CAD\Streets\11865EN-Demo\Exhibit.dwg



EROSION CONTROL NOTES:

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

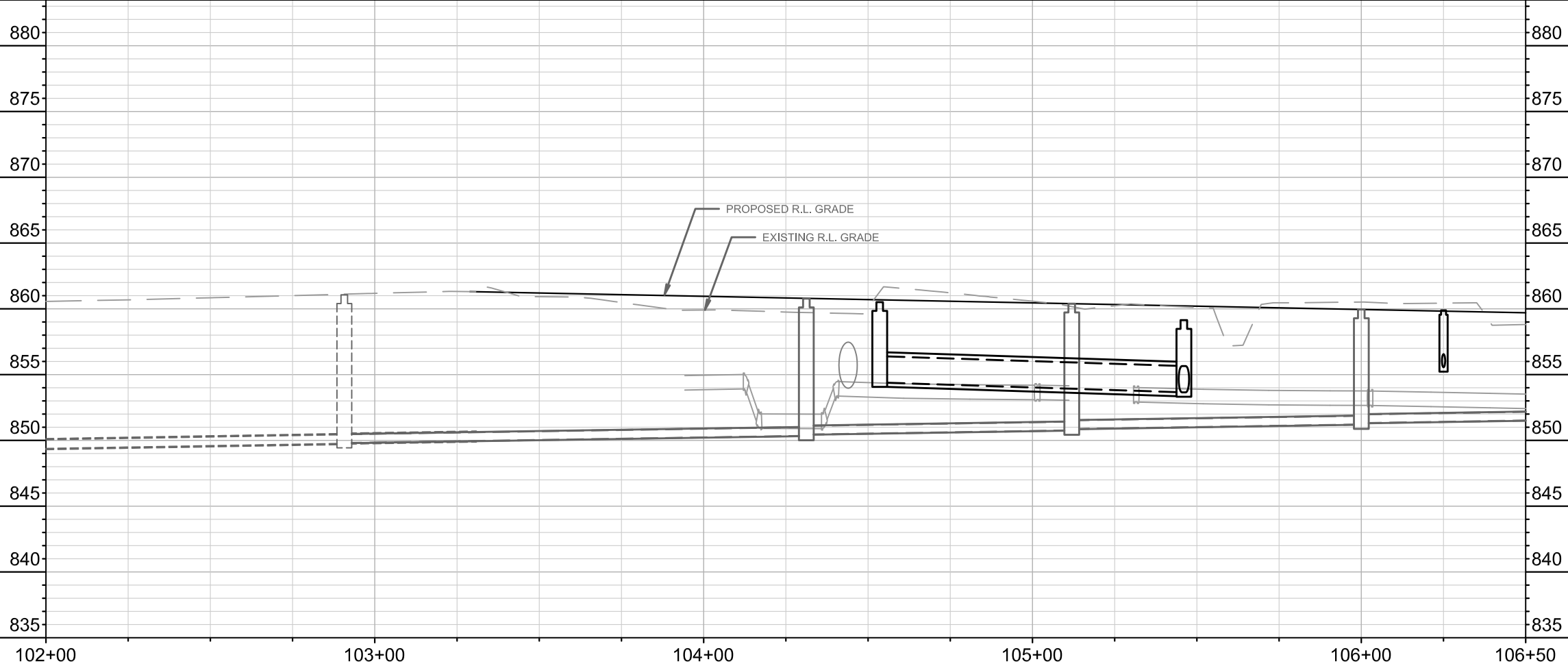
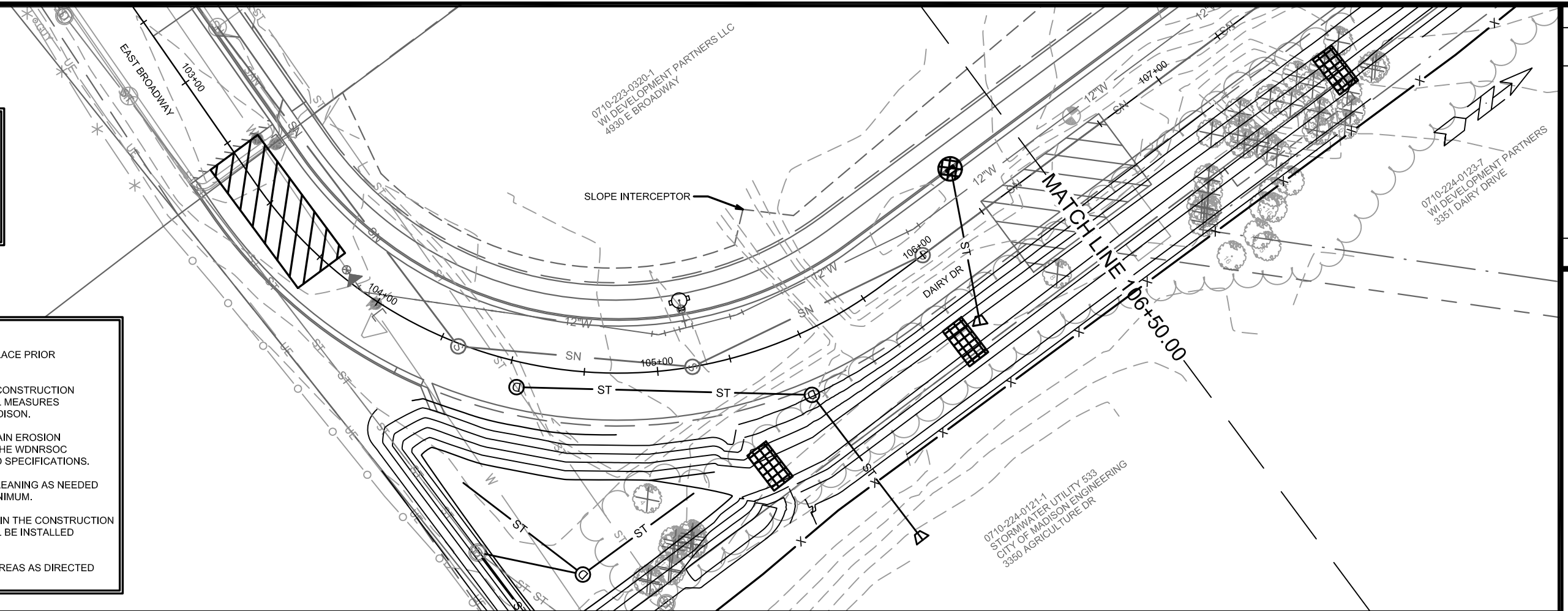
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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.



MARK	REVISION	DATE	BY

Designed By: KDF
Date: 07/09/2020
Scale: 1" = 40'

11865
MADISON, WI
8294
CONTRACT NO:

EROSION CONTROL PLAN
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
CITY OF MADISON

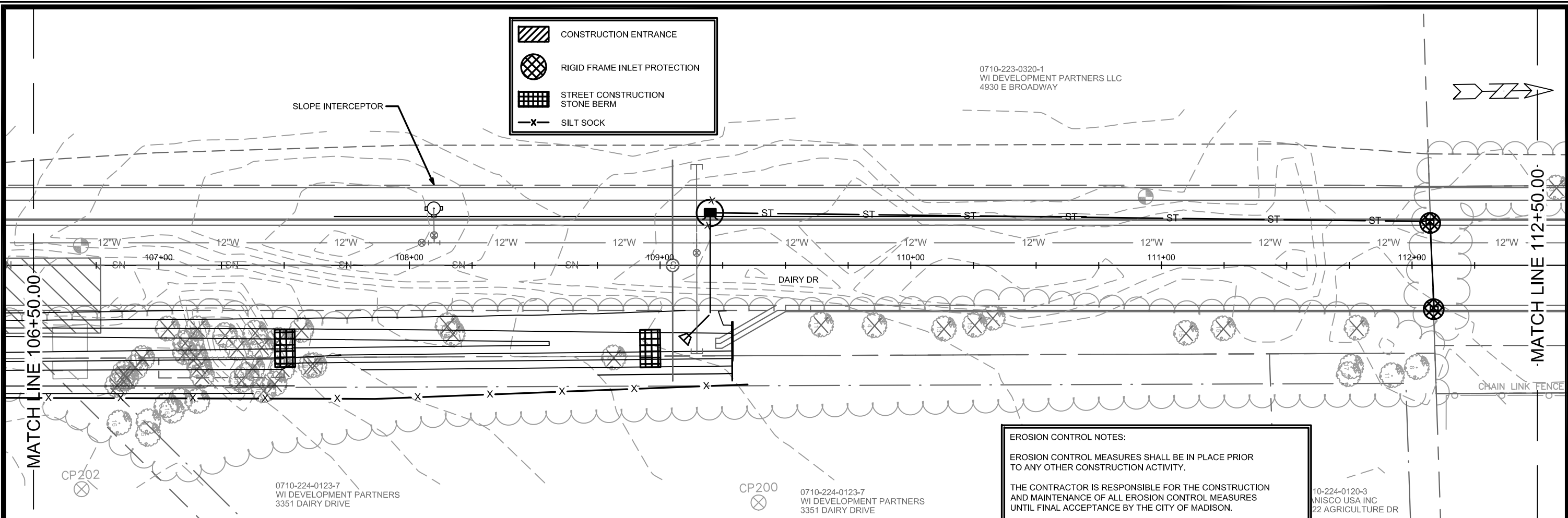


11865
EC-1

	CONSTRUCTION ENTRANCE
	RIGID FRAME INLET PROTECTION
	STREET CONSTRUCTION STONE BERM
	SILT SOCK

0710-223-0320-1
WI DEVELOPMENT PARTNERS LLC
4930 E BROADWAY

SLOPE INTERCEPTOR



EROSION CONTROL NOTES:

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

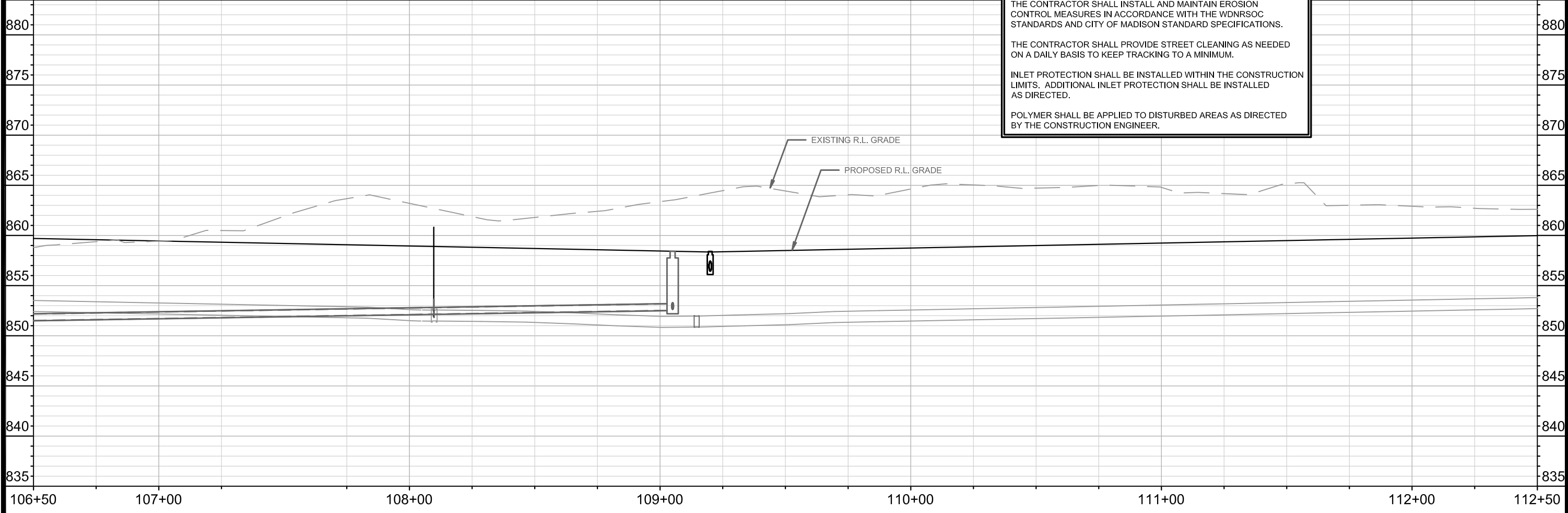
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MARK	REVISION	DATE	BY
11865	07/09/2020		
Designed By: KDF			Scale: 1" = 40'
Date: 07/09/2020			11865
			EC-2

11865
MADISON, WI
CONTRACT NO: 8294
EROSION CONTROL PLAN
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
CITY OF MADISON



11865
EC-2

- CONSTRUCTION ENTRANCE
- RIGID FRAME INLET PROTECTION
- STREET CONSTRUCTION STONE BERM
- SILT SOCK

TWO (2) - RIGID FRAME INLET PROTECTION ON FEMRITE DR

SLOPE INTERCEPTOR

0710-224-0117-0
WI DEVELOPMENT PARTNERS LLC
4929 FEMRITE DR

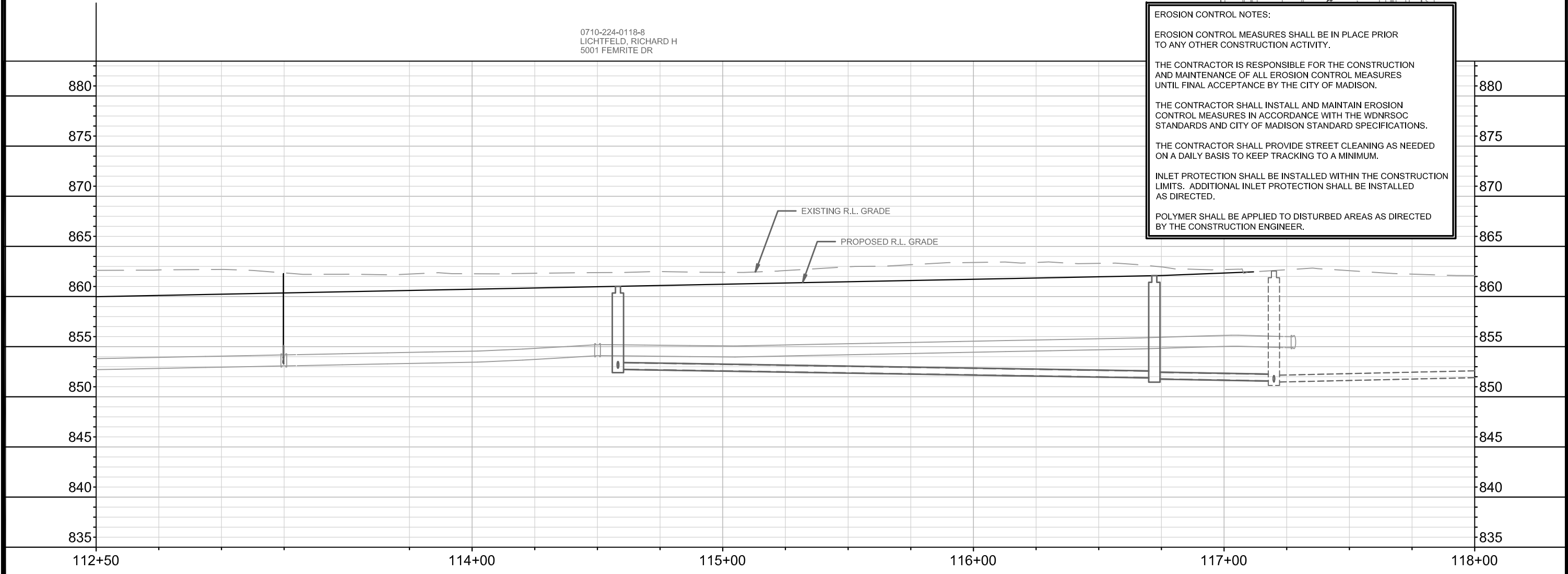
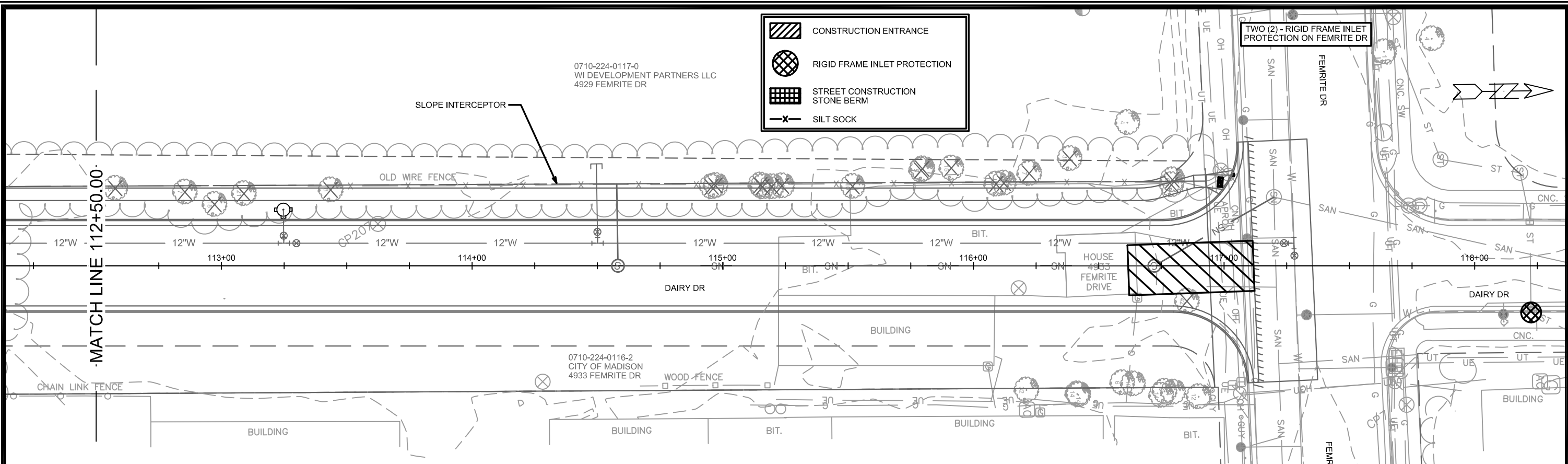
0710-224-0116-2
CITY OF MADISON
4933 FEMRITE DR

0710-224-0118-8
LICHTFELD, RICHARD H
5001 FEMRITE DR

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EXISTING R.L. GRADE

PROPOSED R.L. GRADE



MATCH LINE 112+50.00

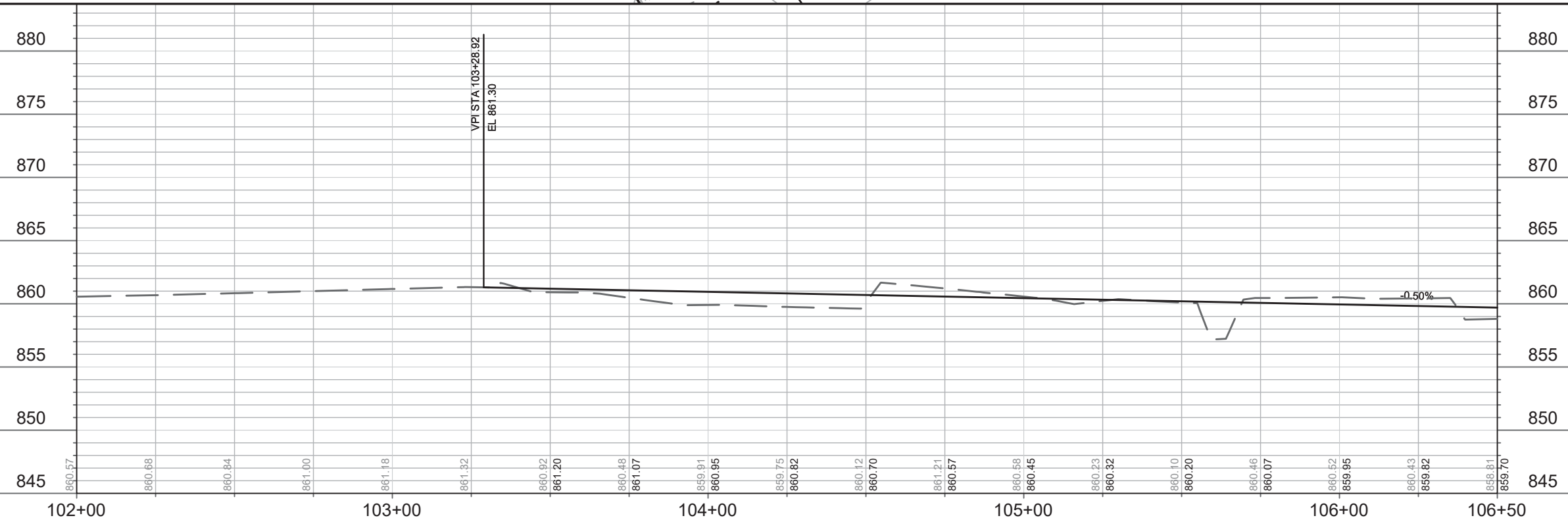
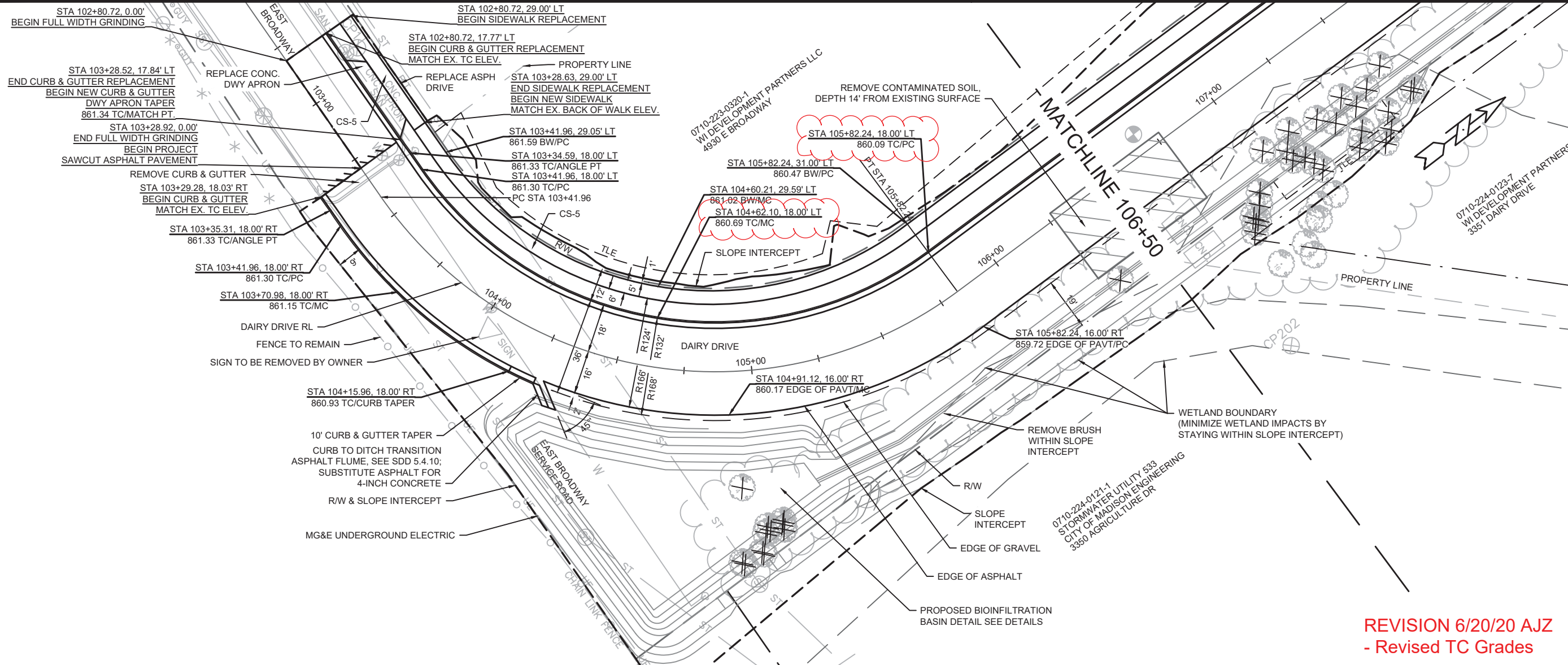
MARK	REVISION	DATE	BY
11865	07/09/2020		

11865
MADISON, WI
8294
CONTRACT NO:

EROSION CONTROL PLAN
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
CITY OF MADISON



11865
EC-3



REVISION 6/20/20 AJJ
 - Revised TC Grades

REVISION	DATE	BY
MARK	DATE	BY
Designed By: AJJ Date: 6/18/2020 10:17 AM Scale: 1" = 40'		
11865		P-1

11865
 MADISON, WI
 CONTRACT NO.: 8294

PLAN & PROFILE
 DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
 M:\DESIGN\Projects\11865\CAD\Plan Sheets\11865EN-PnP Dairy Dr.dwg

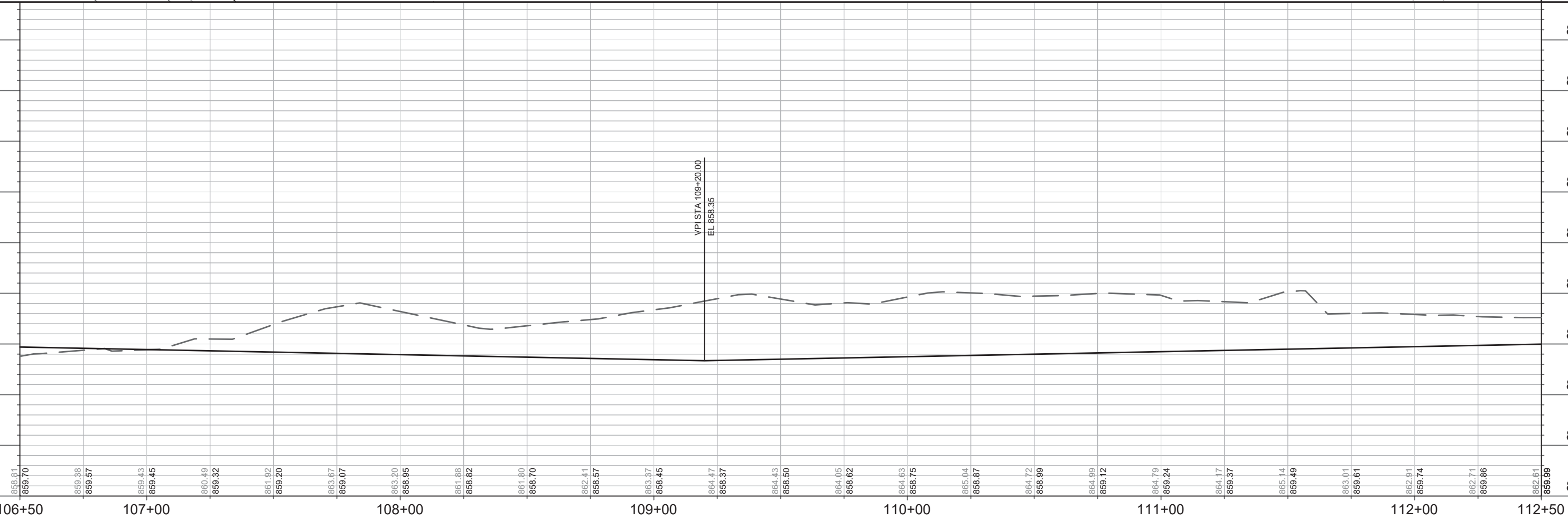
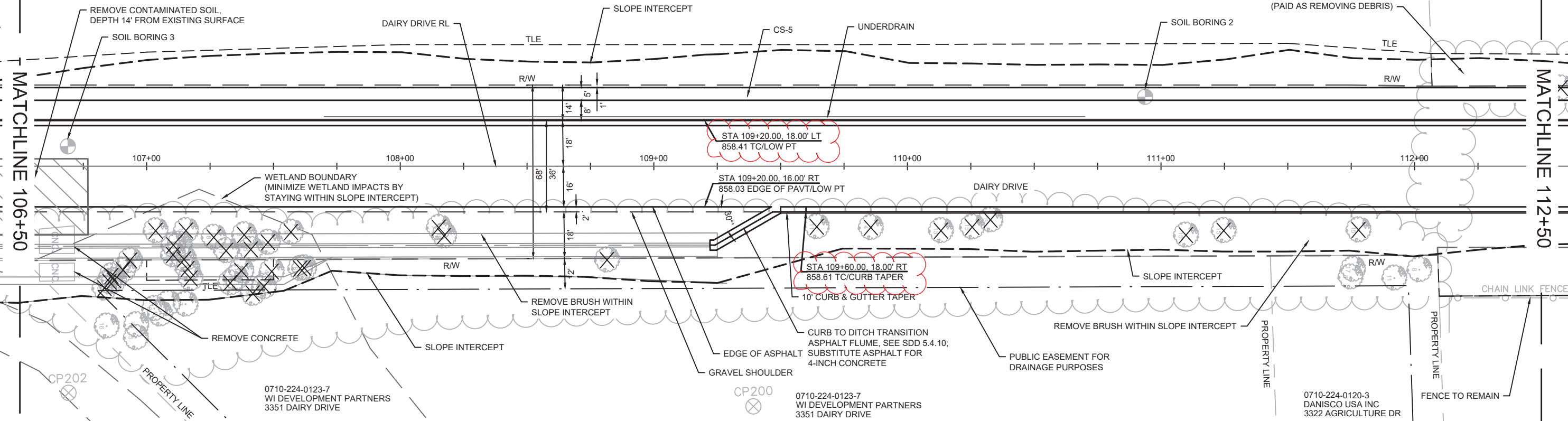


REVISION 6/20/20 AJZ
- Revised TC Grades

0710-223-0320-1
WI DEVELOPMENT PARTNERS LLC
4930 E BROADWAY

MATCHLINE 106+50

MATCHLINE 112+50

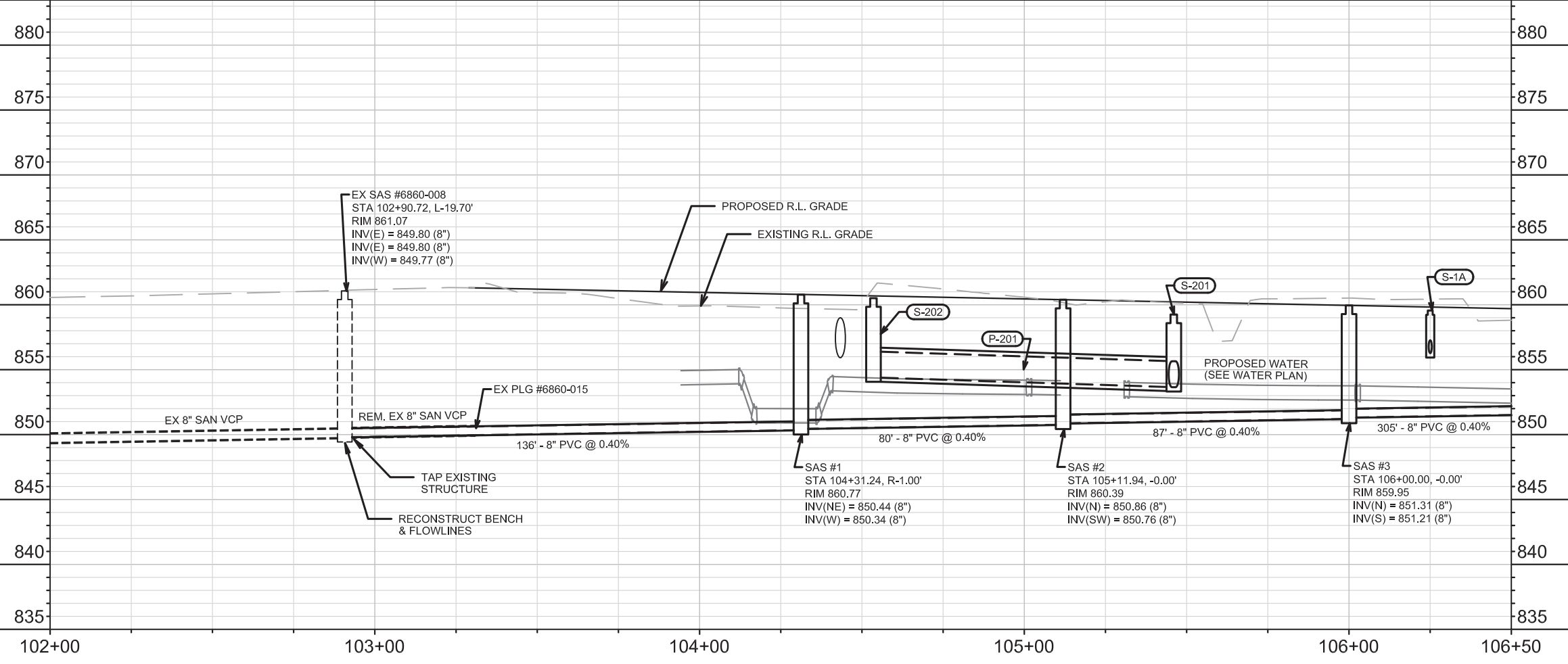
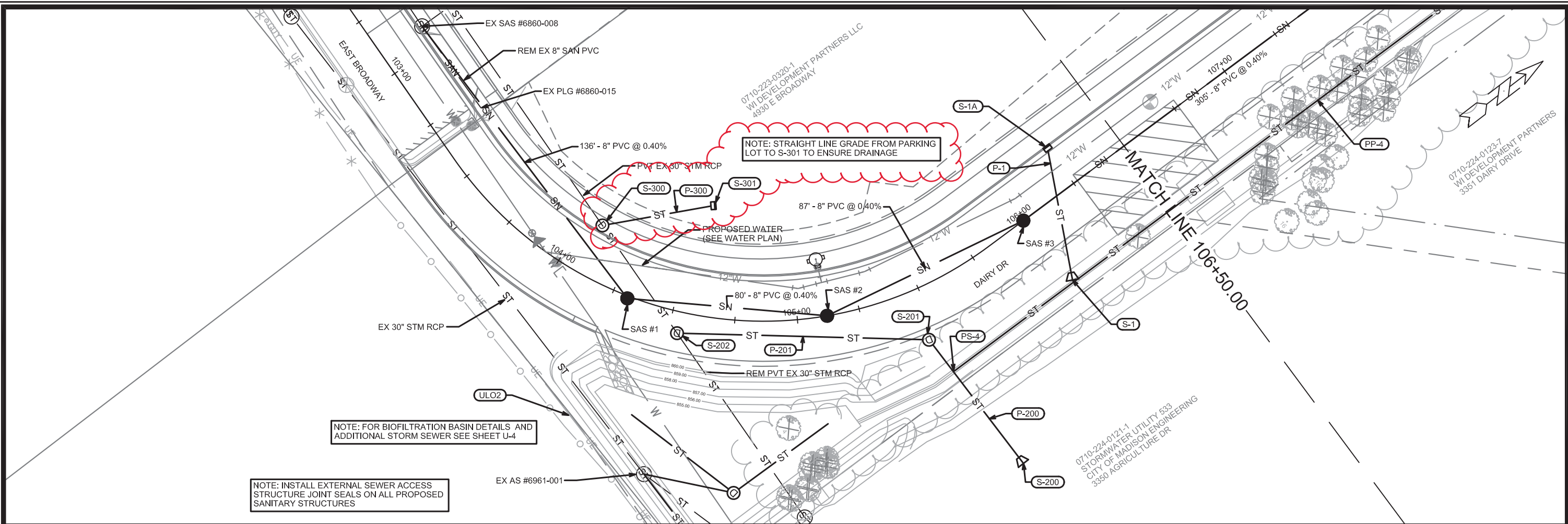


REVISION	DATE	BY
11865	6/19/2020	AJZ

11865
MADISON, WI
CONTRACT NO: 8294

PLAN AND PROFILE
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)





MARK	REVISION	DATE	BY
2	ADDED STORM SEWER	6/23/2024	KDF
1	STORM SEWER	6/20/2024	KDF

11865
MADISON, WI
8294
CONTRACT NO:

UTILITY PLAN & PROFILE
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
CITY OF MADISON



11865
U-1

STORM SEWER SCHEDULE

*REV 6/20/2020 KDF

**REV 6/23/2020 KDF

DAIRY DRIVE
PROJECT NO. 11865

SHEET NO.
U-7

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
DAIRY DRIVE							
* S-1	106+01.64	RT-30.70	12" RCP AE	-	856.00	-	W/GATE
* S-1A	106+25.01	LT-17.50	H INLET	859.88	856.27	3.61	W/R-3067-7004-V
S-2	109+20.02	RT-30.25	12" RCP AE	-	856.20	-	W/GATE
S-3	109+20.00	RT-19.45	STORM BEND	-	856.23	-	45-DEGREE
S-4	109+20.00	LT-21.00	TERRACE INLET 3	858.41	856.44	1.97	[1]
S-5	112+07.14	LT-17.50	H INLET	859.83	857.15	2.68	W/R-3067-7004-V
S-6	112+08.83	RT-17.50	H INLET	859.83	857.31	2.52	W/R-3067-7004-V
S-101	104+75.27	RT-99.93	4X4 SAS	859.00	853.24	5.76	W/R-1550-0054
S-102	105+00.45	RT-116.47	30" RCP AE	-	853.35	-	W/GATE
S-200	105+56.20	RT-81.31	24"X38" HERCP AE	-	853.50	-	W/GATE
S-201	105+46.04	RT-20.68	4X4 SAS	859.14	853.65	5.49	W/R-1550-0054
S-202	104+53.55	RT-8.56	4X4 SAS	860.51	854.40	6.11	W/R-1550-0054
PS-2	104+78.27	RT-68.85	3' DIA SAS	856.50	853.50	3.00	[2]
PS-2A	105+06.77	RT-42.51	PIPE END	-	853.50	-	-
PS-3	104+45.18	RT-44.47	PIPE END	-	853.50	-	-
* PS-4	105+49.39	RT-36.21	TAP	-	854.55	-	-
* PS-4A	109+04.15	RT-36.21	PLUG	-	854.84	-	-
** S-300	104+08.18	LT-21.05	4X4 SAS	861.07	854.56	6.51	W/R-1550-0054
** S-301	104+57.95	LT-44.22	H INLET	857.50	854.90	2.60	FP, W/R-1878-B7G

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
DAIRY DRIVE										
* P-1	S-1	S-1A	856.00	856.27	53.5	51.2	0.53%	12"	RCP	-
P-2	S-2	S-3	856.15	856.23	15	14.4	0.55%	12"	PRESSURE	-
P-3	S-3	S-4	856.23	856.44	40.5	38.8	0.55%	12"	PRESSURE	-
P-4	S-4	S-5	856.44	857.15	287	285.3	0.25%	12"	RCP	-
P-5	S-5	S-6	857.15	857.31	35	32	0.50%	12"	RCP	-
P-100	AS #6961-001	S-101	853.14	853.24	48	43.59	0.25%	30"	RCP	TAP EX STRUCT.
P-101	S-101	S-102	853.24	853.35	46.5	42.8	0.25%	30"	RCP	-
P-200	S-200	S-201	853.50	853.65	62	58.51	0.25%	24"x38"	RCP	-
P-201	S-201	S-202	853.65	854.40	100.5	96.37	0.78%	24"x38"	RCP	-
PP-1	AS #6961-001	PS-2	853.34	853.50	36.5	32.3	0.50%	12"	RCP	TAP EX STRUCT.
PP-2	PS-2	PS-3	853.50	853.50	51.5	50.05	0.00%	8"	UD	-
PP-2A	PS-2	PS-2A	853.50	853.50	47	45.5	0.00%	8"	UD	-
* PP-4	PS-4	PS-4A	854.55	854.84	362.5	362.4	0.08%	8"	UD	-
** P-300	S-300	S-301	854.56	854.90	45	41.2	0.83%	18"	RCP	-

REMOVE STORM STRUCTURES

REMOVE STORM PIPES

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
DAIRY DRIVE				
AE #6960-003	105+11.60	RT-107.50	30" RCP AE	[3]
AS #6960-002	104+97.25	RT-79.00	SAS	[3]
AE #6960-001	105+00.50	RT-116.50	30" RCP AE	[3]

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
DAIRY DRIVE						
AE #6960-003	AS #6960-002	36	30"	RCP	Y	-
AS #6960-002	S-202	86	30"	RCP	Y	-
AS #6961-001	AE #6960-001	88	30"	RCP	Y	-

STORM SEWER ULOs (5 ADDITIONAL INDISTRIBUTED ULOs INCLUDED)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
DAIRY DRIVE					
ULO1	104+67.75	RT-101.80	ELECTRIC	-	-
ULO2	104+28.00	RT-53.00	ELECTRIC	-	-
ULO3	116+92.25	LT-39.00	TELE	-	-
ULO4	116+99.00	CL	ELECTRIC	-	-

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

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT 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.

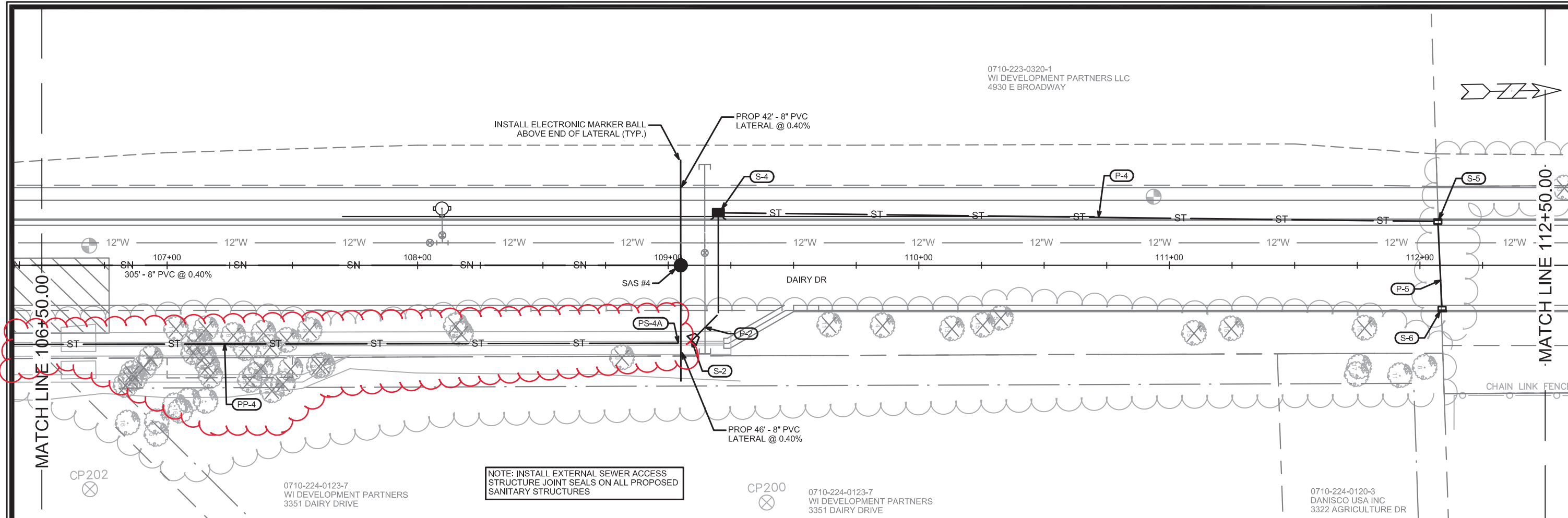
SPECIFIC NOTES

[1] TOP OF CASTING ELEVATION SHALL MATCH TOP OF CURB ELEVATION, NOT 0.2' LOWER AS SHOWN IN S.D.D. 5.7.12B

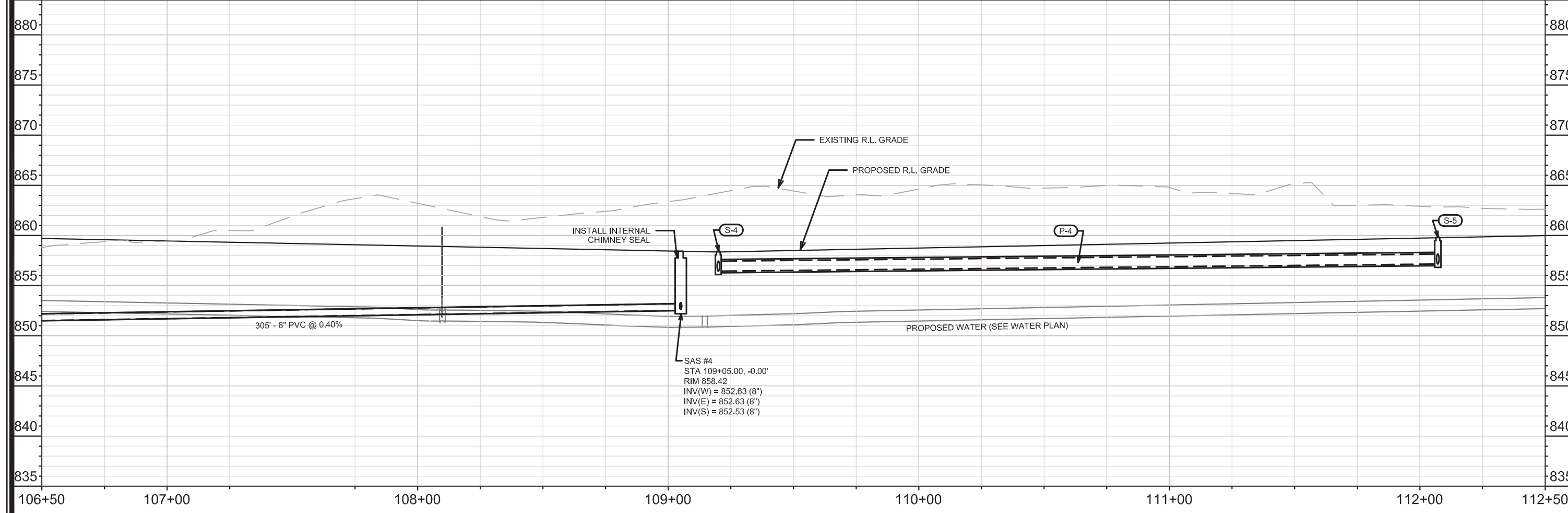
[2] STRUCTURE TO BE BUILT PER DETAIL SHOWN ON SHEET U-4 AND PAID UNDER BID ITEM 50723 3X3 SAS

[3] REMOVAL OF APRON END IS PAID FOR UNDER BID ITEM 20313 REMOVE INLET

0710-223-0320-1
WI DEVELOPMENT PARTNERS LLC
4930 E BROADWAY



NOTE: INSTALL EXTERNAL SEWER ACCESS STRUCTURE JOINT SEALS ON ALL PROPOSED SANITARY STRUCTURES



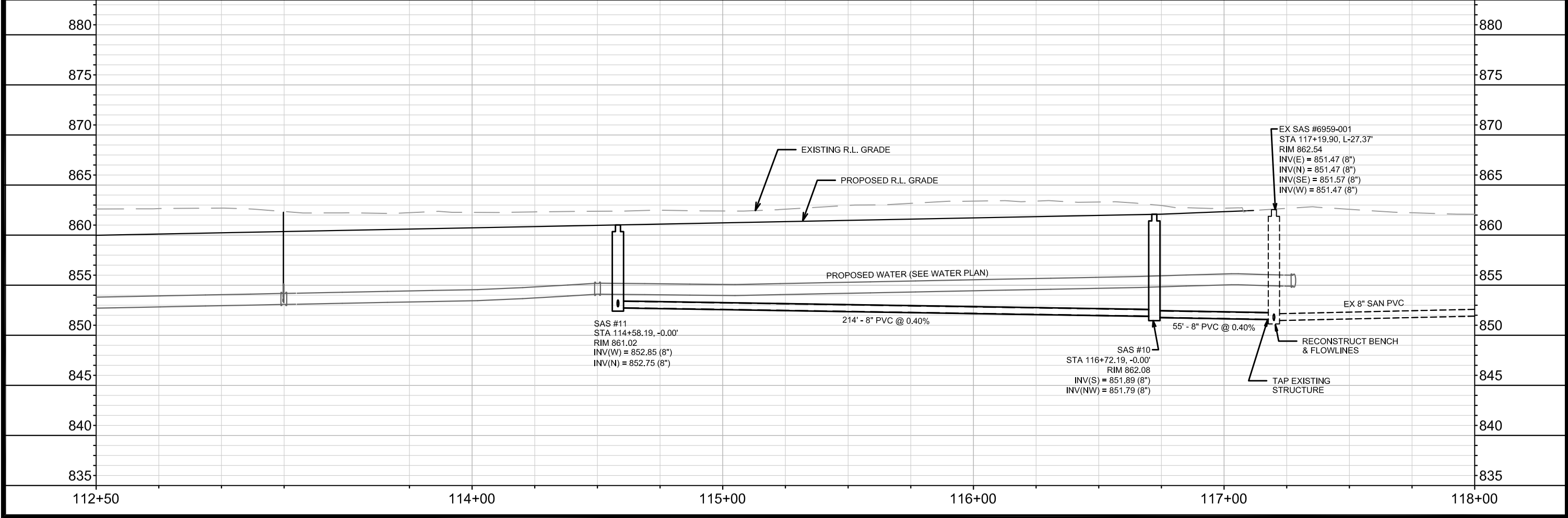
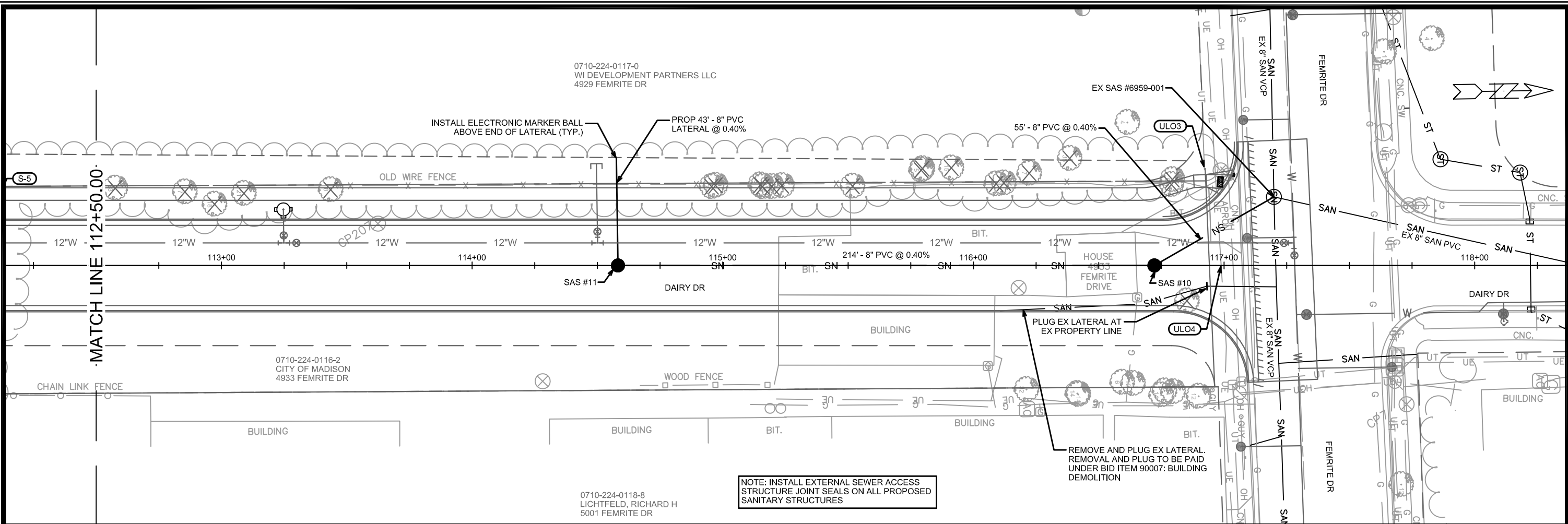
DATE	BY
6/20/2020	KDF
REVISION	
DATE	BY
07/09/2020	KDF
Scale:	1" = 40'
11865	U-2

11865
MADISON, WI
CONTRACT NO: 8294

UTILITY PLAN & PROFILE
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
CITY OF MADISON



11865
U-2



DATE	BY
REVISION	BY
MARK	DATE
11865	07/09/2020
U-3	Scale: 1" = 40'

11865

MADISON, WI


8294

CONTRACT NO:

UTILITY PLAN & PROFILE

DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)

CITY OF MADISON

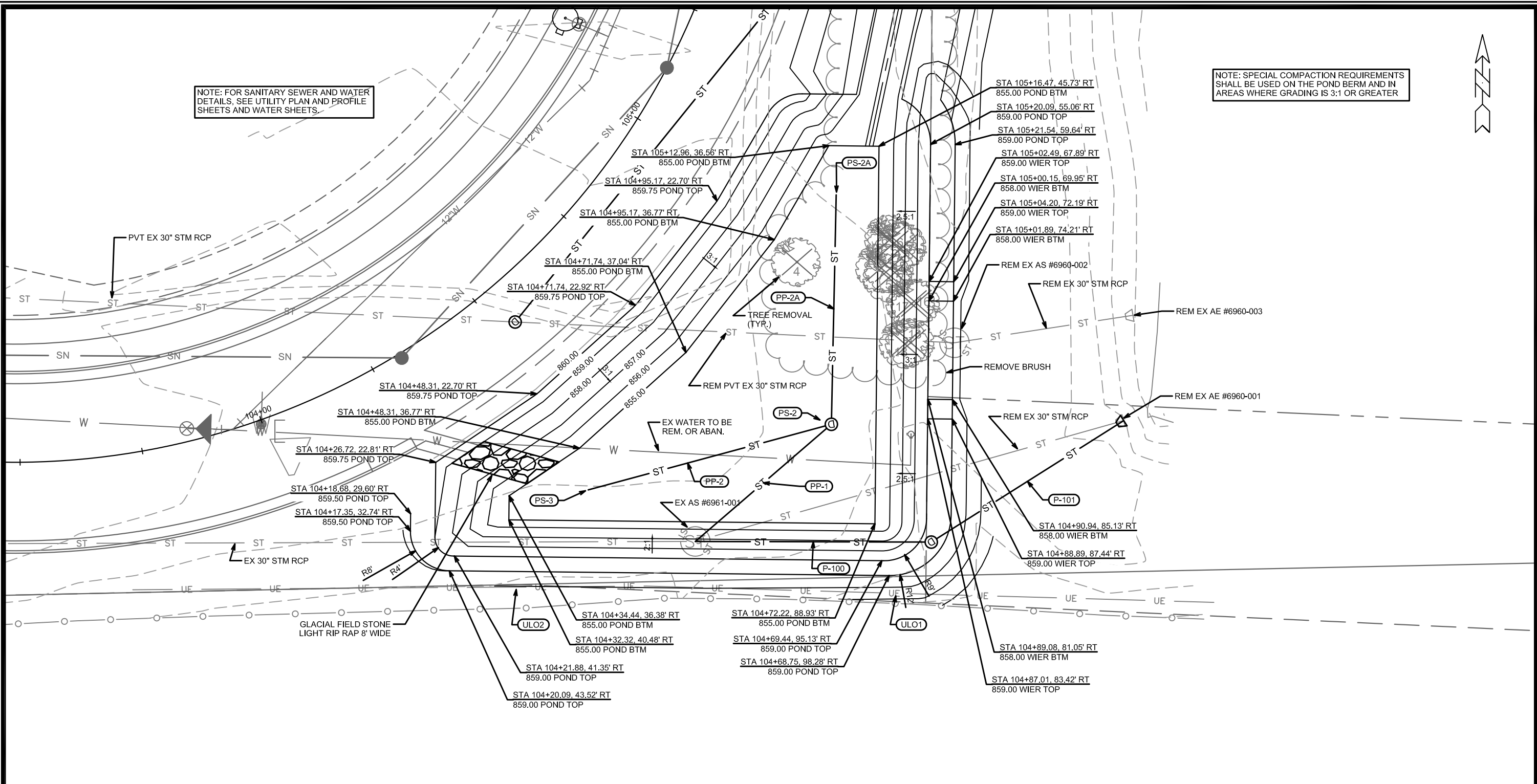


11865

U-3

NOTE: FOR SANITARY SEWER AND WATER DETAILS, SEE UTILITY PLAN AND PROFILE SHEETS AND WATER SHEETS.

NOTE: SPECIAL COMPACTION REQUIREMENTS SHALL BE USED ON THE POND BERM AND IN AREAS WHERE GRADING IS 3:1 OR GREATER



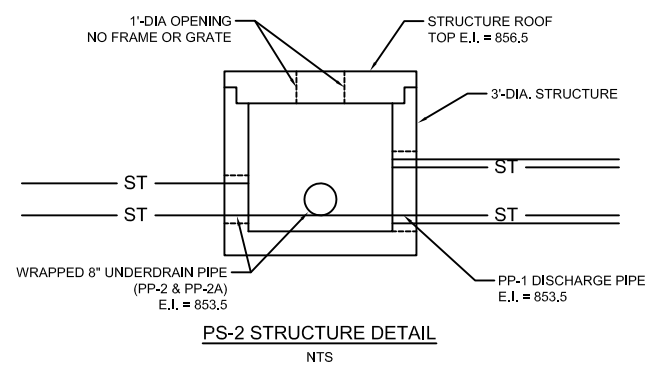
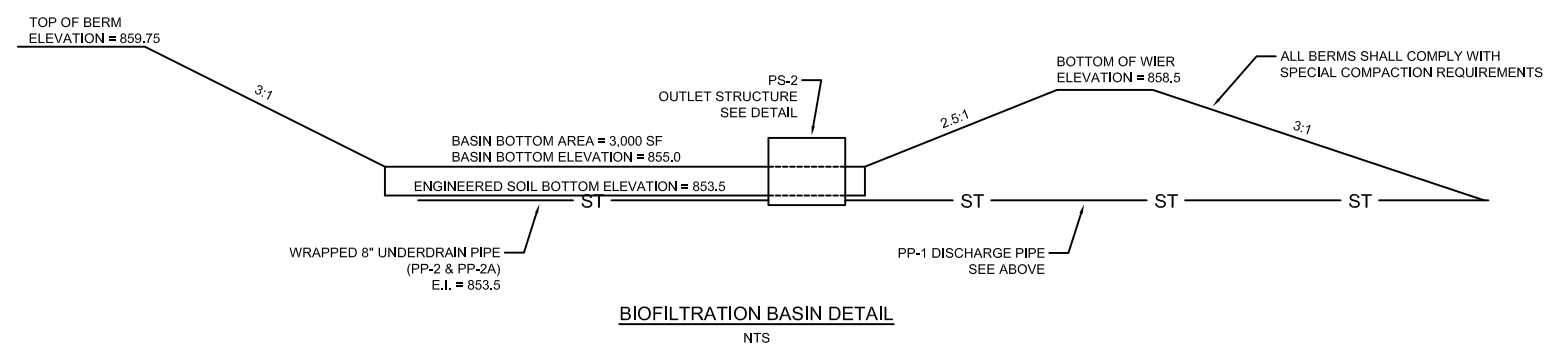
DATE	BY
REVISION	DATE
MARK	DESIGNED BY: KDF
11865	SCALE: #####
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11865
MADISON, WI
CONTRACT NO: 8294

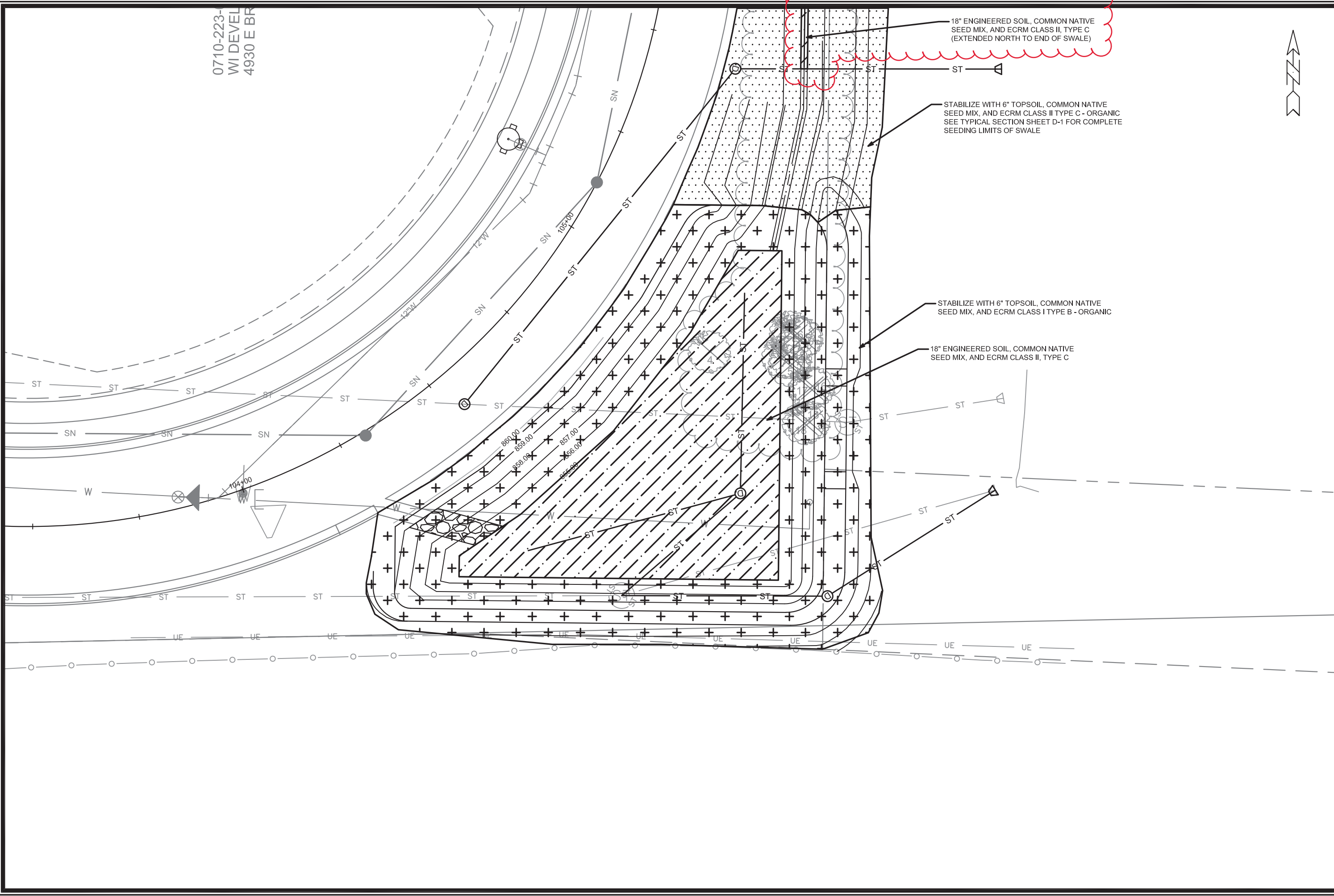
BIOFILTRATION BASIN DETAIL
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
CITY OF MADISON



11865
U-4



0710-223-
WI DEVEL
4930 E BR



18" ENGINEERED SOIL, COMMON NATIVE SEED MIX, AND ECRM CLASS II, TYPE C (EXTENDED NORTH TO END OF SWALE)

STABILIZE WITH 6" TOPSOIL, COMMON NATIVE SEED MIX, AND ECRM CLASS II TYPE C - ORGANIC SEE TYPICAL SECTION SHEET D-1 FOR COMPLETE SEEDING LIMITS OF SWALE

STABILIZE WITH 6" TOPSOIL, COMMON NATIVE SEED MIX, AND ECRM CLASS I TYPE B - ORGANIC

18" ENGINEERED SOIL, COMMON NATIVE SEED MIX, AND ECRM CLASS II, TYPE C



MARK	SWALE REVISION	DATE	BY
1	REVISION	6/20/2020	KDF
DESIGNED BY:	KDF	DATE:	07/09/2020
SCALE:	11865	SCALE:	#####
			U-5

11865
MADISON, WI
8294
CONTRACT NO:
BIOFILTRATION BASIN RESTORATION PLAN
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
CITY OF MADISON



11865
U-5

SANITARY SEWER SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
DAIRY DRIVE						
SAS #1	104+31.24	RT-1.00	860.77	850.34	10.43	[2]
SAS #2	105+11.94	CL	860.39	850.76	9.63	[2]
SAS #3	106+00.00	CL	859.95	851.21	8.74	[2]
SAS #4	109+05.00	CL	858.42	852.53	5.89	[1], [2]
SAS #10	116+72.19	CL	862.08	851.79	10.29	[2]
SAS #11	114+58.19	CL	861.02	852.75	8.27	[2]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
DAIRY DRIVE								
EX SAS #6860-008	SAS #1	849.80	850.34	136	0.40%	8"	SDR-35	-
SAS #1	SAS #2	850.44	850.76	80	0.40%	8"	SDR-35	-
SAS #2	SAS #3	850.86	851.21	87	0.40%	8"	SDR-35	-
SAS #3	SAS #4	851.31	852.53	305	0.40%	8"	SDR-35	-
EX SAS #6959-001	SAS #10	851.57	851.79	55	0.40%	8"	SDR-35	-
SAS #10	SAS #11	851.89	852.75	214	0.40%	8"	SDR-35	-

SANITARY PIPES REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
DAIRY DRIVE						
EX SAS #6860-008	EX PLG #6860-015	40	8"	VCP	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 6/20/2020 KDF

DAIRY DRIVE
PROJECT NO. 11865

SHEET NO.
U-7

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
DAIRY DRIVE							
* S-1	106+01.64	RT-30.70	12" RCP AE	-	856.00	-	W/GATE
* S-1A	106+25.01	LT-17.50	H INLET	859.88	856.27	3.61	W/R-3067-7004-V
S-2	109+20.02	RT-30.25	12" RCP AE	-	856.20	-	W/GATE
S-3	109+20.00	RT-19.45	STORM BEND	-	856.23	-	45-DEGREE
S-4	109+20.00	LT-21.00	TERRACE INLET 3	858.41	856.44	1.97	[1]
S-5	112+07.14	LT-17.50	H INLET	859.83	857.15	2.68	W/R-3067-7004-V
S-6	112+08.83	RT-17.50	H INLET	859.83	857.31	2.52	W/R-3067-7004-V
S-101	104+75.27	RT-99.93	4X4 SAS	859.00	853.24	5.76	W/R-1550-0054
S-102	105+00.45	RT-116.47	30" RCP AE	-	853.35	-	W/GATE
S-200	105+56.20	RT-81.31	24"X38" HERCP AE	-	853.50	-	W/GATE
S-201	105+46.04	RT-20.68	4X4 SAS	859.14	853.65	5.49	W/R-1550-0054
S-202	104+53.55	RT-8.56	4X4 SAS	860.51	854.40	6.11	W/R-1550-0054
PS-2	104+78.27	RT-68.85	3' DIA SAS	856.50	853.50	3.00	[2]
PS-2A	105+06.77	RT-42.51	PIPE END	-	853.50	-	-
PS-3	104+45.18	RT-44.47	PIPE END	-	853.50	-	-
* PS-4	105+49.39	RT-36.21	TAP	-	854.55	-	-
* PS-4A	109+04.15	RT-36.21	PLUG	-	854.84	-	-

REMOVE STORM STRUCTURES

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
DAIRY DRIVE				
AE #6960-003	105+11.60	RT-107.50	30" RCP AE	[3]
AS #6960-002	104+97.25	RT-79.00	SAS	[3]
AE #6960-001	105+00.50	RT-116.50	30" RCP AE	[3]

STORM SEWER ULOs (5 ADDITIONAL INDISTRIBUTED ULOs INCLUDED)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
DAIRY DRIVE					
ULO1	104+67.75	RT-101.80	ELECTRIC	-	-
ULO2	104+28.00	RT-53.00	ELECTRIC	-	-
ULO3	116+92.25	LT-39.00	TELE	-	-
ULO4	116+99.00	CL	ELECTRIC	-	-

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
DAIRY DRIVE										
* P-1	S-1	S-1A	856.00	856.27	53.5	51.2	0.53%	12"	RCP	-
P-2	S-2	S-3	856.15	856.23	15	14.4	0.55%	12"	PRESSURE	-
P-3	S-3	S-4	856.23	856.44	40.5	38.8	0.55%	12"	PRESSURE	-
P-4	S-4	S-5	856.44	857.15	287	285.3	0.25%	12"	RCP	-
P-5	S-5	S-6	857.15	857.31	35	32	0.50%	12"	RCP	-
P-100	AS #6961-001	S-101	853.14	853.24	48	43.59	0.25%	30"	RCP	TAP EX STRUCT.
P-101	S-101	S-102	853.24	853.35	46.5	42.8	0.25%	30"	RCP	-
P-200	S-200	S-201	853.50	853.65	62	58.51	0.25%	24"x38"	RCP	-
P-201	S-201	S-202	853.65	854.40	100.5	96.37	0.78%	24"x38"	RCP	-
PP-1	AS #6961-001	PS-2	853.34	853.50	36.5	32.3	0.50%	12"	RCP	TAP EX STRUCT.
PP-2	PS-2	PS-3	853.50	853.50	51.5	50.05	0.00%	8"	UD	-
PP-2A	PS-2	PS-2A	853.50	853.50	47	45.5	0.00%	8"	UD	-
* PP-4	PS-4	PS-4A	854.55	854.84	362.5	362.4	0.08%	8"	UD	-

REMOVE STORM PIPES

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
DAIRY DRIVE						
AE #6960-003	AS #6960-002	36	30"	RCP	Y	-
AS #6960-002	S-202	86	30"	RCP	Y	-
AS #6961-001	AE #6960-001	88	30"	RCP	Y	-

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

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

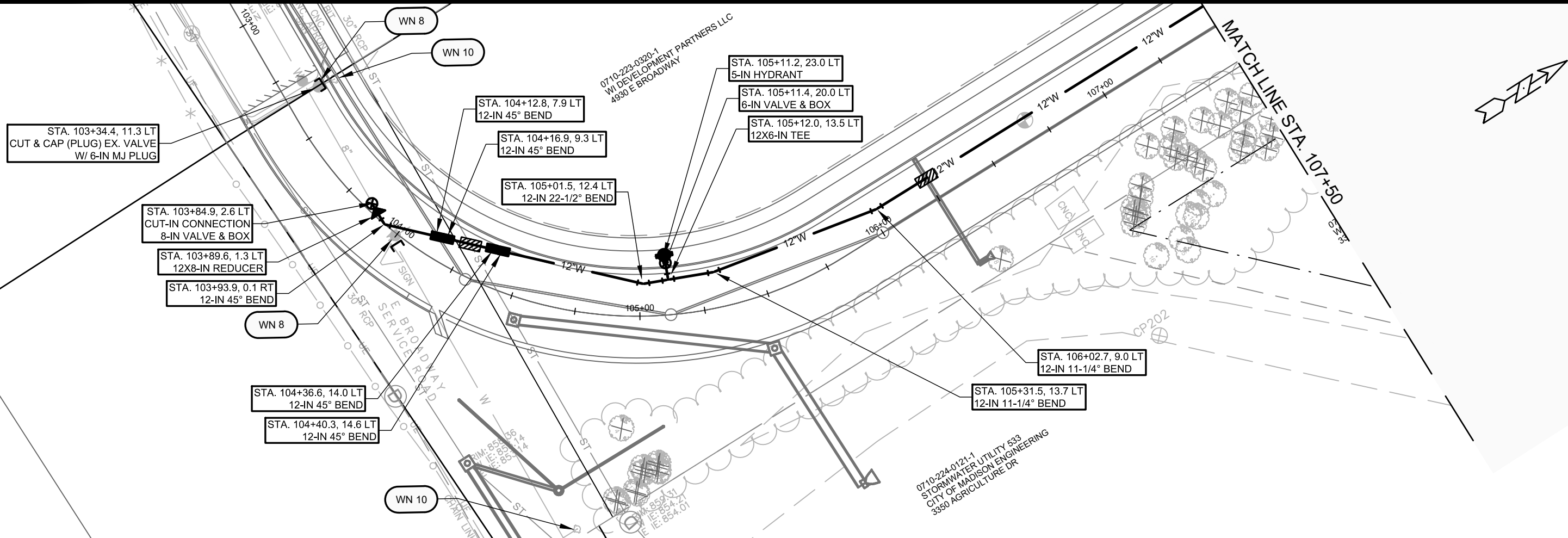
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

SPECIFIC NOTES

[1] TOP OF CASTING ELEVATION SHALL MATCH TOP OF CURB ELEVATION, NOT 0.2' LOWER AS SHOWN IN S.D.D. 5.7.12B

[2] STRUCTURE TO BE BUILT PER DETAIL SHOWN ON SHEET U-4 AND PAID UNDER BID ITEM 50723 3X3 SAS

[3] REMOVAL OF APRON END IS PAID FOR UNDER BID ITEM 20313 REMOVE INLET



880

875

870

865

860

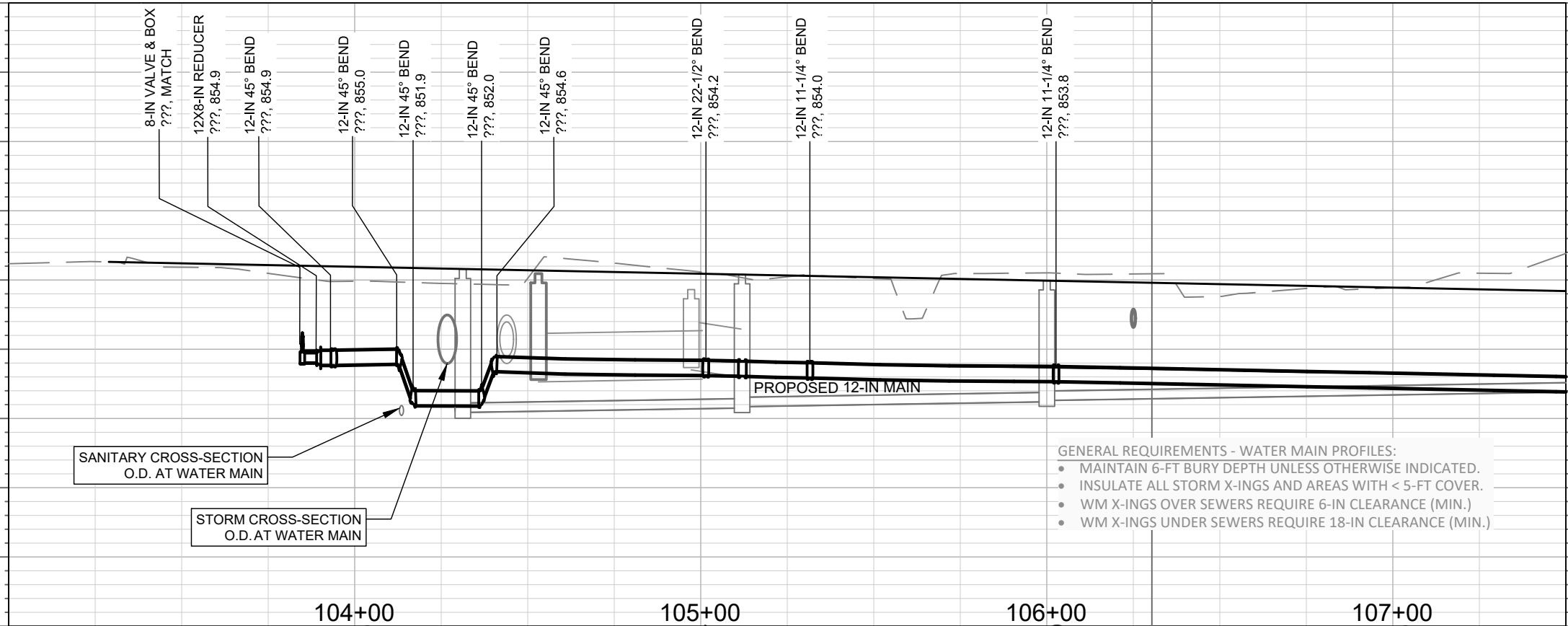
855

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880

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870

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855

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840

835

SANITARY CROSS-SECTION
O.D. AT WATER MAIN

STORM CROSS-SECTION
O.D. AT WATER MAIN

- 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.)

T.O.P. 854.95 T.O.P. 851.99 T.O.P. 854.37 T.O.P. 854.24 T.O.P. 854.17 T.O.P. 854.03 T.O.P. 853.89 T.O.P. 853.76 T.O.P. 853.69 T.O.P. 853.59 T.O.P. 853.49 T.O.P. 853.35 T.O.P. 853.25 T.O.P. 853.12

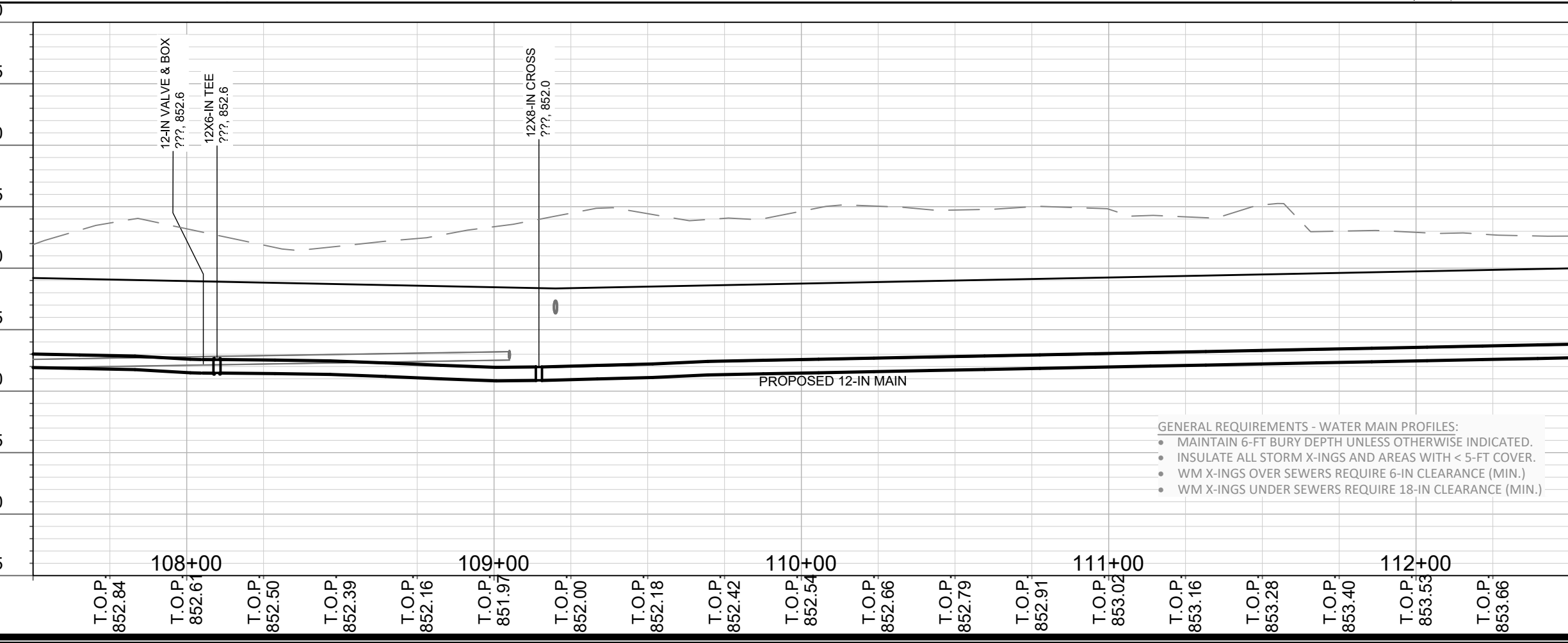
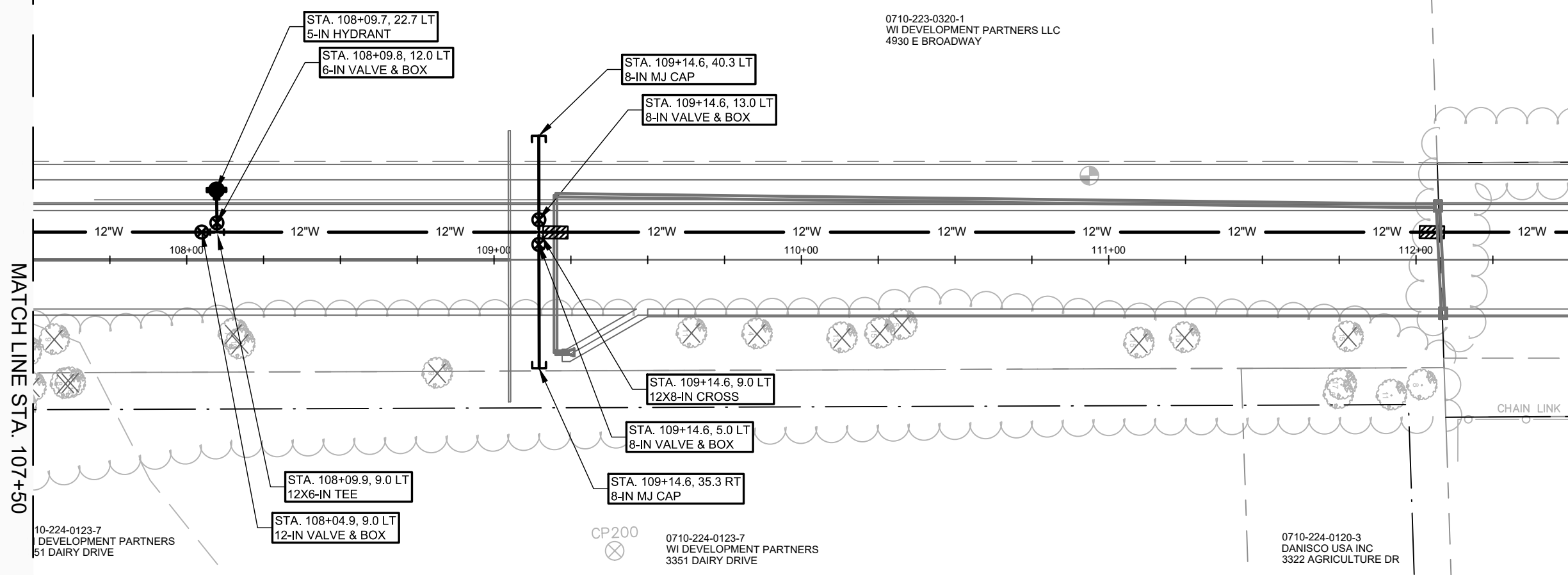
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11865	1 IN=40 FT
11865	DATE
11865	BY
11865	REVISION
11865	MARK
11865	DESIGNED BY: ALZ
11865	DATE: 01/09/2020

11865
MADISON, WI
CONTRACT NO: 8294

DAIRY DRIVE
WATER PLAN & PROFILE - DAIRY DR
CITY OF MADISON



11865
W-1



- 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.)

0710-223-0320-1
WI DEVELOPMENT PARTNERS LLC
4930 E BROADWAY

10-224-0123-7
DEVELOPMENT PARTNERS
51 DAIRY DRIVE

CP200
0710-224-0123-7
WI DEVELOPMENT PARTNERS
3351 DAIRY DRIVE

0710-224-0120-3
DANISCO USA INC
3322 AGRICULTURE DR

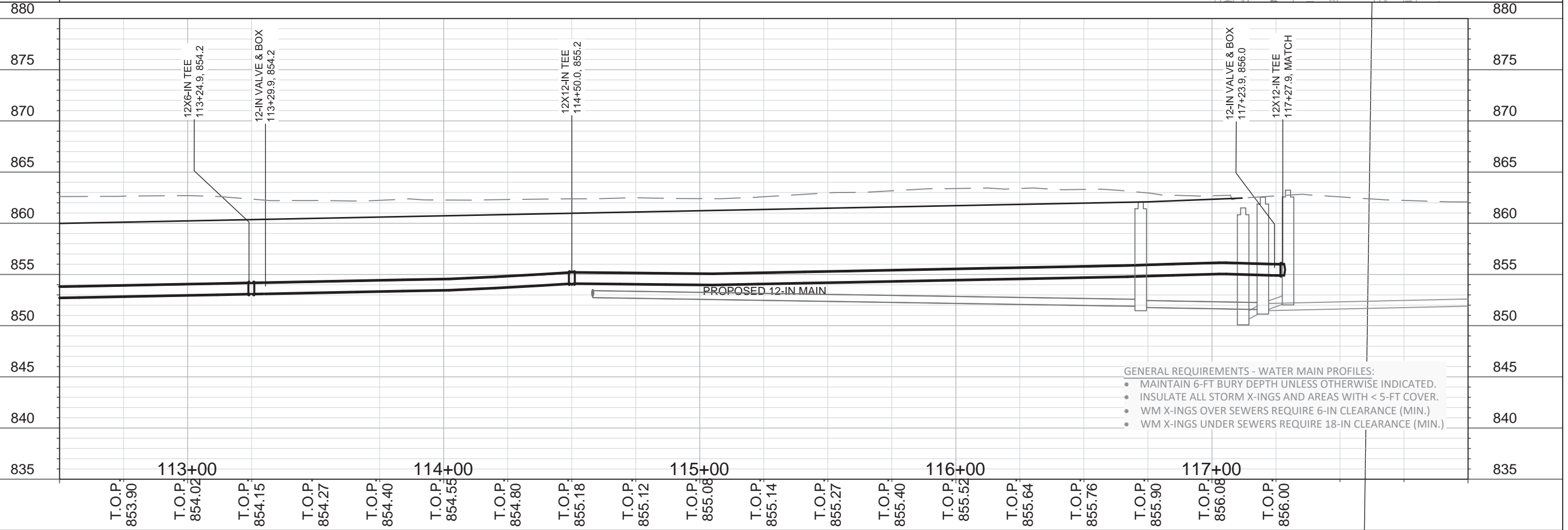
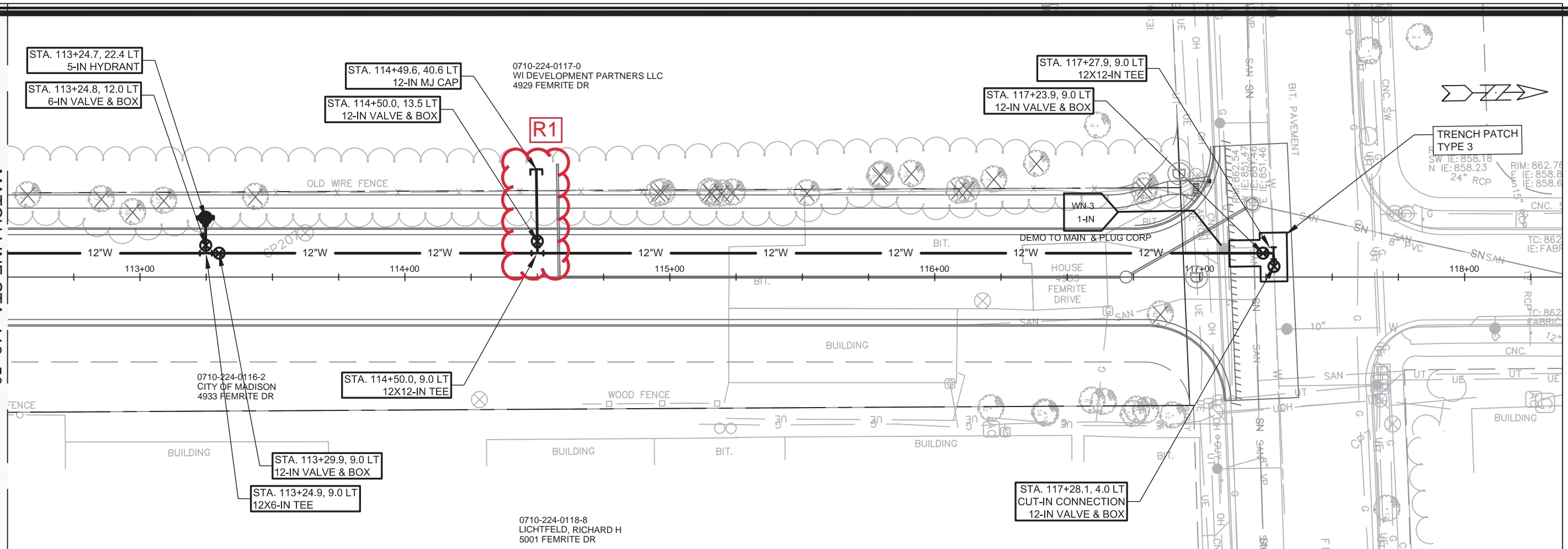
DATE	BY
01/09/2020	11865
REVISION	W-2
Scale: 1"=40' FT	
Drawn By: A.L.Z.	

11865
MADISON, WI
CONTRACT NO: 8294

DAIRY DRIVE
WATER PLAN & PROFILE - DAIRY DRIVE
CITY OF MADISON

11865
W-2

MATCH LINE STA. 112+50



- 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.)

11865	11865	11865
WATER PLAN & PROFILE - DAIRY DRIVE	MADISON, WI	W-3
CITY OF MADISON	CONTRACT NO: 8294	Scale: 1 IN=40 FT
DAIRY DR	11865	W-3
WATER PLAN & PROFILE - DAIRY DRIVE	11865	W-3
CITY OF MADISON	11865	W-3

CONSTRUCTION NOTES:

- | | |
|--|---|
| <p>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.</p> <p>2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.</p> <p>3. MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.</p> <p>4. THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.</p> | <p>WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|--|---|

WATER UTILITY ULO SCHEDULE:

ULO	UTILITY	STATION	OFFSET	SHEET
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*ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

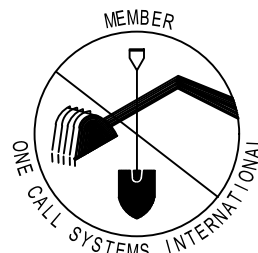
ITEM ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	40	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	115	LNFT
70005	FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	1440	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	4	EACH
70034	FURNISH AND INSTALL 12-INCH WATER VALVE	4	EACH
70040	FURNISH INSTALL AND SALVAGE HYDRANT	3	EACH
70101	FURNISH AND INSTALL STYROFOAM	32	LNFT
71002	8-IN MJ CAP	4	EACH
71048	12X8-IN CROSS	1	EACH
71125	12-IN 45° BEND	5	EACH
71137	12-IN 22-1/2° BEND	1	EACH
71149	12-IN 11-1/4° BEND	2	EACH
71165	12X8-IN REDUCER	1	EACH
71217	12X6-IN TEE	3	EACH
71218	12X8-IN TEE	1	EACH
71220	12X12-IN TEE	1	EACH
*ESTIMATE OF MATERIALS SUPPLIED BY WATER UTILITY:			
*ESTIMATE OF MATERIALS SALVAGED:			

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

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.

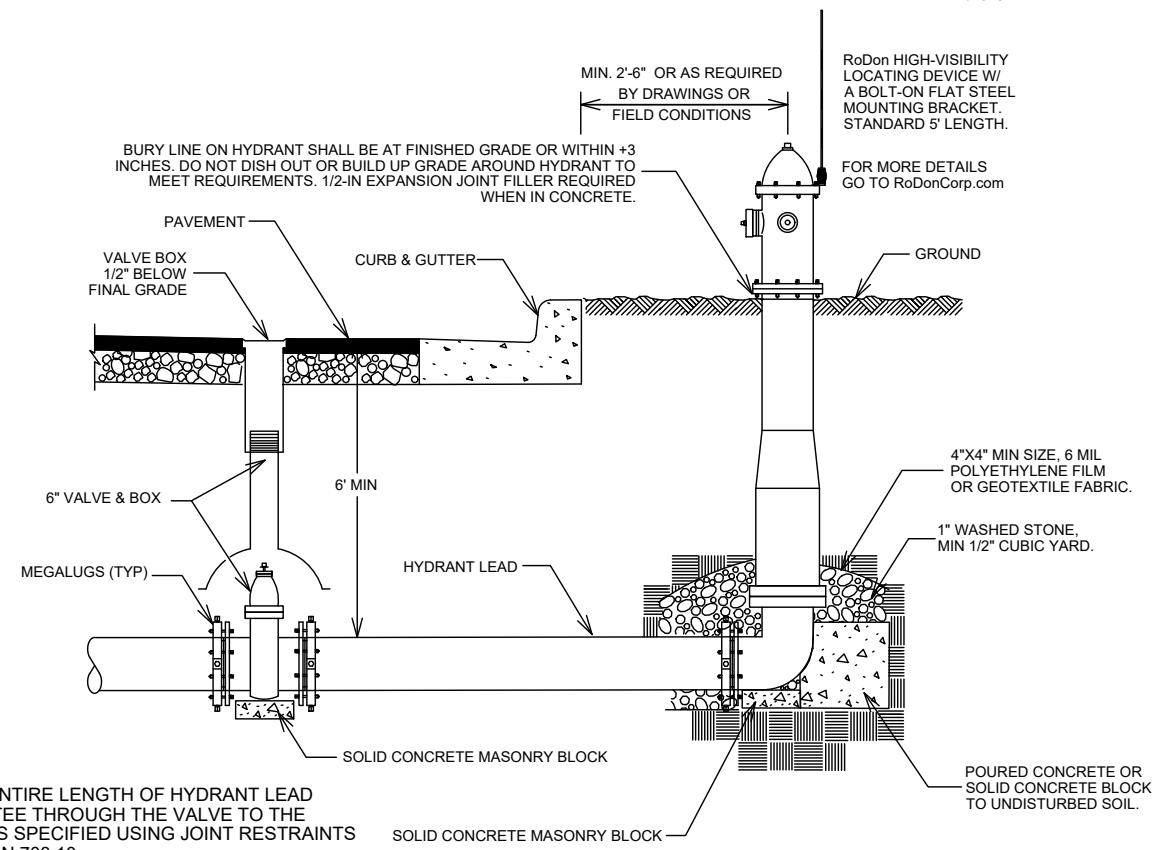


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2018



NOTE:

1. 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

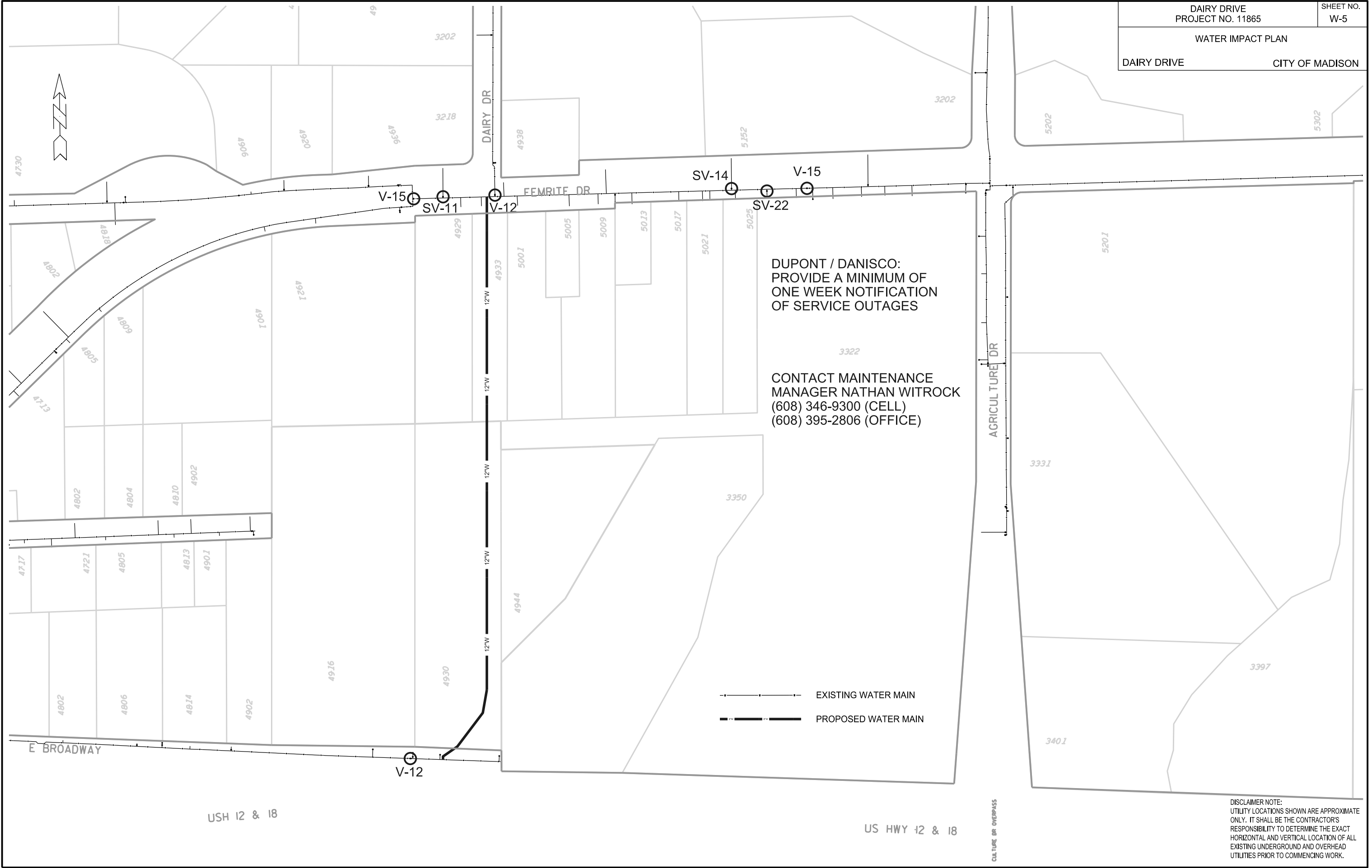
MARK	REVISION	DATE	BY
11865			W-4
11865	01/09/2020		

11865
MADISON, WI
8294
CONTRACT NO:

DAIRY DRIVE
WATER ESTIMATE OF MATERIALS
CITY OF MADISON



11865
W-4



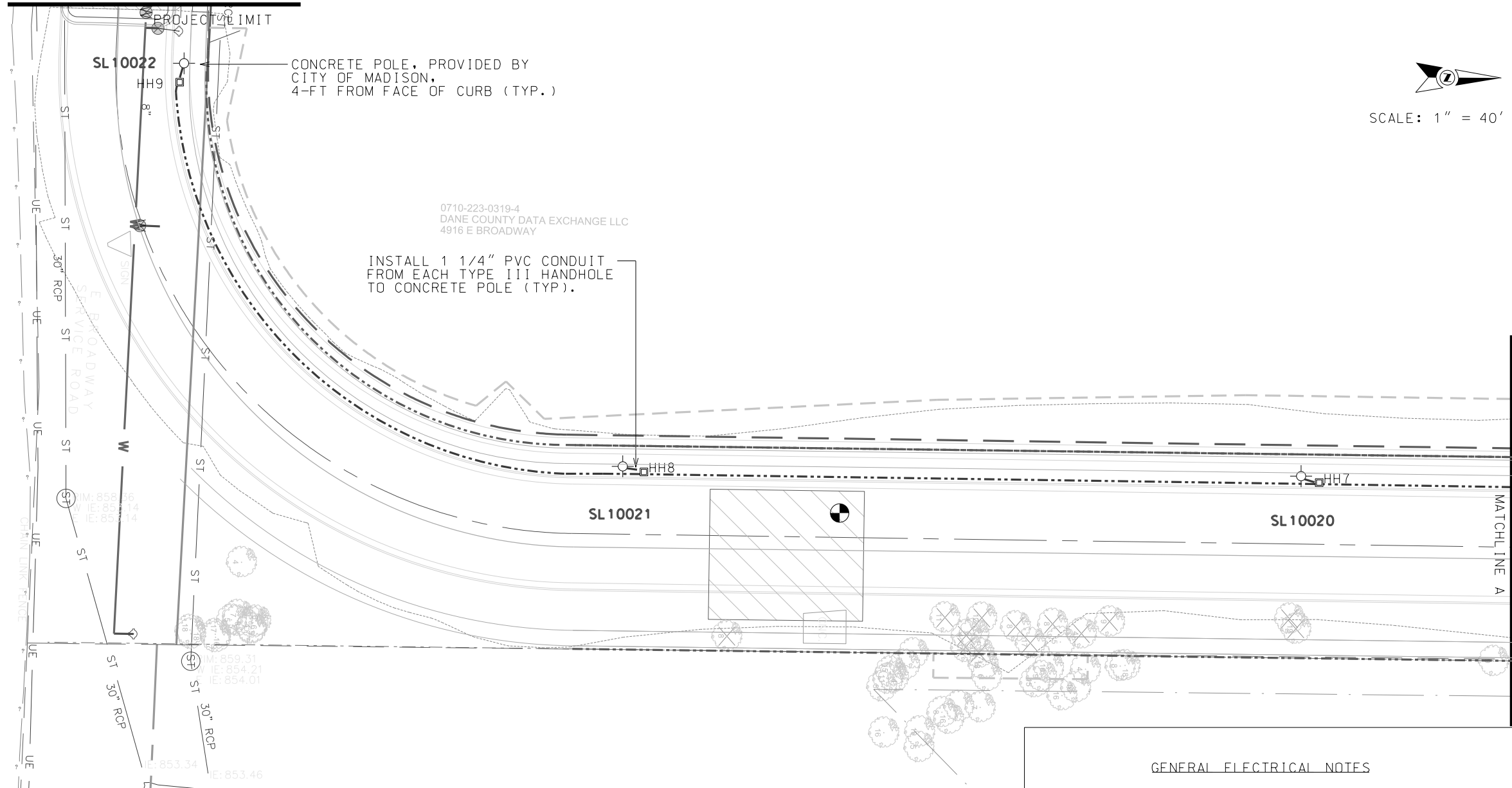
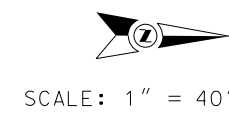
DUPONT / DANISCO:
PROVIDE A MINIMUM OF
ONE WEEK NOTIFICATION
OF SERVICE OUTAGES

CONTACT MAINTENANCE
MANAGER NATHAN WITROCK
(608) 346-9300 (CELL)
(608) 395-2806 (OFFICE)

--- EXISTING WATER MAIN
— PROPOSED WATER MAIN

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.

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

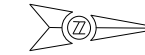


LEGEND

	EXISTING LB-3 STREET LIGHT BASE
	INSTALL CONCRETE POLE (PROVIDED BY CITY)
	INSTALL TYPE I HANDHOLE
	INSTALL TYPE III HANDHOLE
	INSTALL (1) - 2" PVC CONDUIT, SCHEDULE 40 (UNLESS OTHERWISE NOTED)

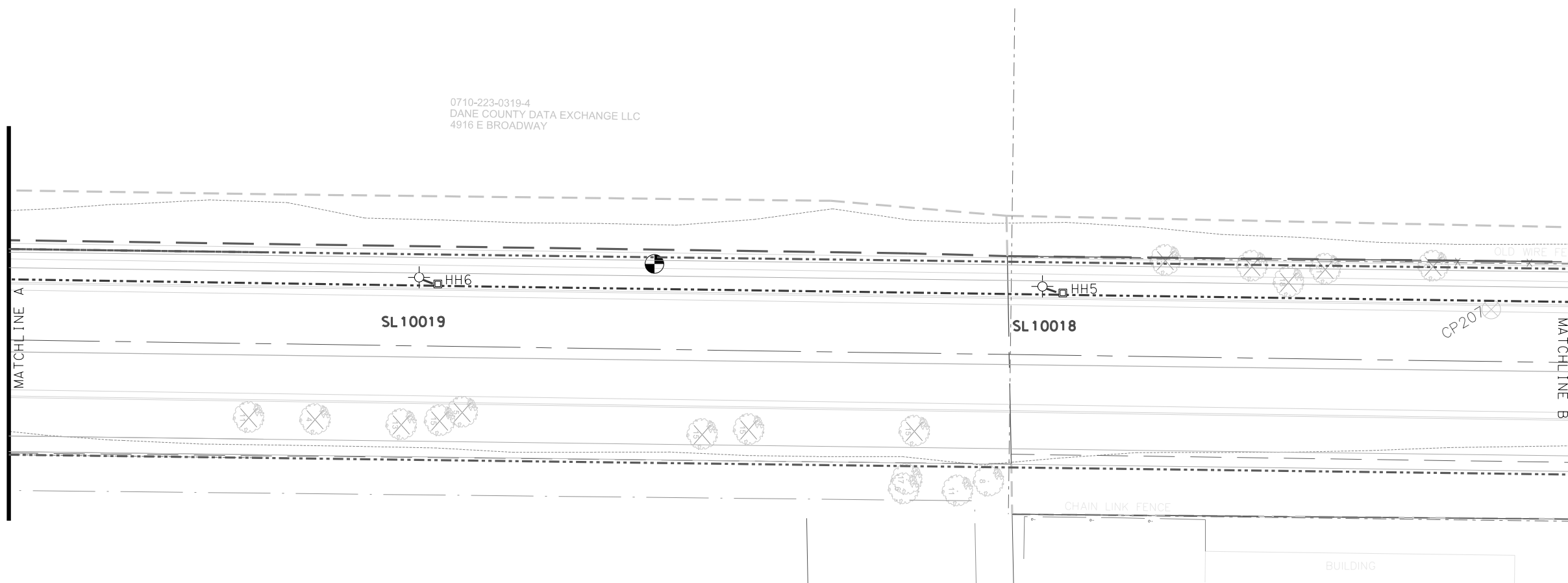
- GENERAL ELECTRICAL NOTES**
1. ALL LOCATIONS ARE APPROXIMATE, THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS STAKING. THE CONTRACTOR SHALL NOTIFY JERRY SCHIPPA (267-1969) CITY TRAFFIC ENGINEERING, AT LEAST 24-HRS IN ADVANCE OF NEEDING CONDUIT OR BASE LOCATIONS MARKED.
 2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2020 EDITION" AND ALL ADDENDUMS THERETO, ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE, PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
 3. THE CONTRACTOR SHALL CALL MIKE BENZSCHAWEL (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HRS IN ADVANCE OF INSTALLING CONDUIT, POLES, OR HANDHOLES TO ARRANGE FOR INSPECTION.
 4. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
 5. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGE FOR PICK UP BY CALLING ED SMITH, TRAFFIC ENGINEERING SHOP, 266-9034 1120 SAYLE ST., AT LEAST 24-HRS PRIOR TO NEEDING MATERIALS:
- 7 CONCRETE STREET LIGHT POLES

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



SCALE: 1" = 40'

0710-223-0319-4
DANE COUNTY DATA EXCHANGE LLC
4916 E BROADWAY



LEGEND

- EXISTING LB-3 STREET LIGHT BASE
- INSTALL CONCRETE POLE (PROVIDED BY CITY)
- INSTALL TYPE I HANDHOLE
- INSTALL TYPE III HANDHOLE
- INSTALL (1) - 2" PVC CONDUIT, SCHEDULE 40 (UNLESS OTHERWISE NOTED)

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



SCALE: 1" = 40'

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

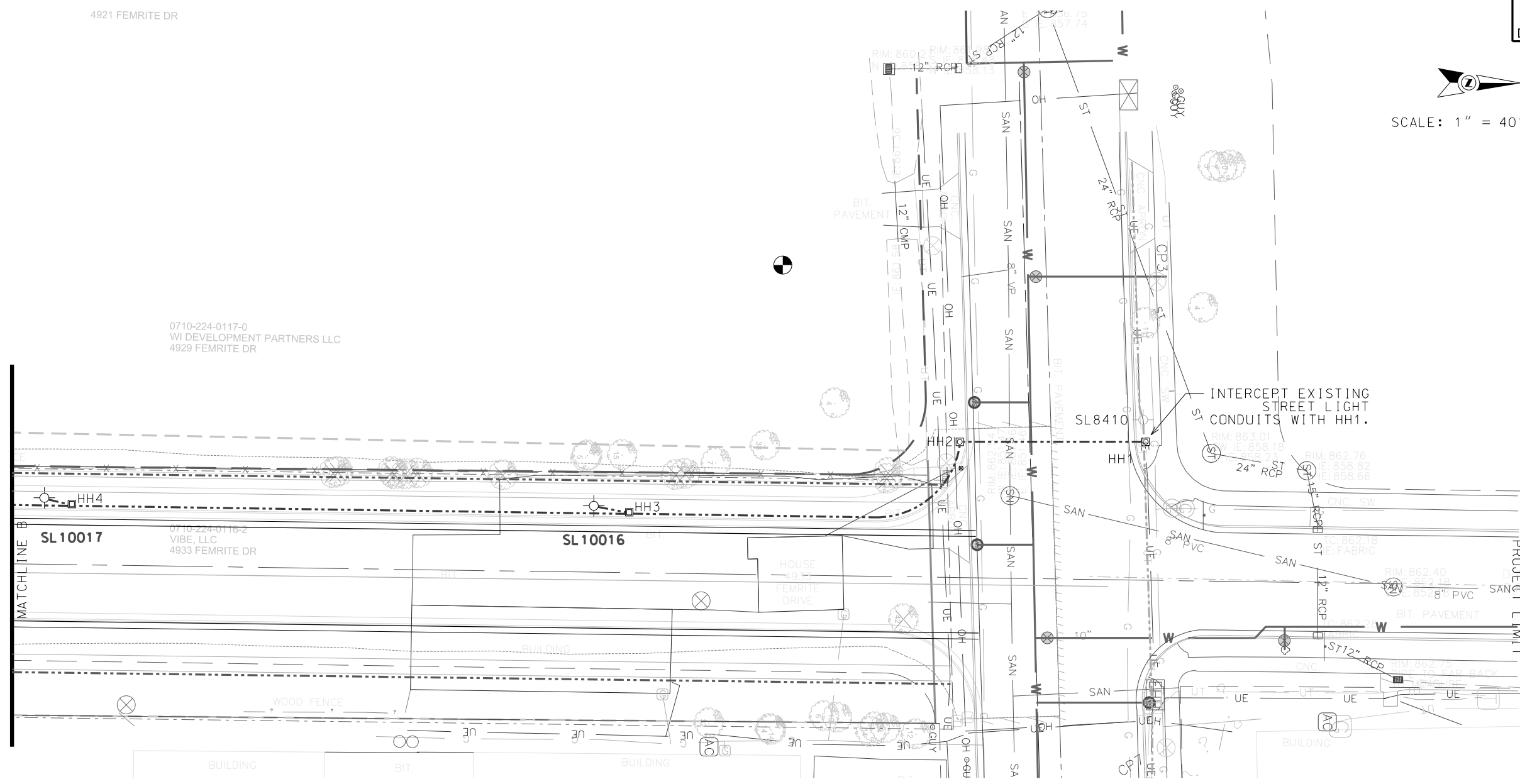
4921 FEMRITE DR

0710-224-0117-0
WI DEVELOPMENT PARTNERS LLC
4929 FEMRITE DR






0710-224-0116-2
VIBE, LLC
4933 FEMRITE DR

HOUSE
4933
FEMRITE
DRIVE

INTERCEPT EXISTING
STREET LIGHT
CONDUITS WITH HH1.

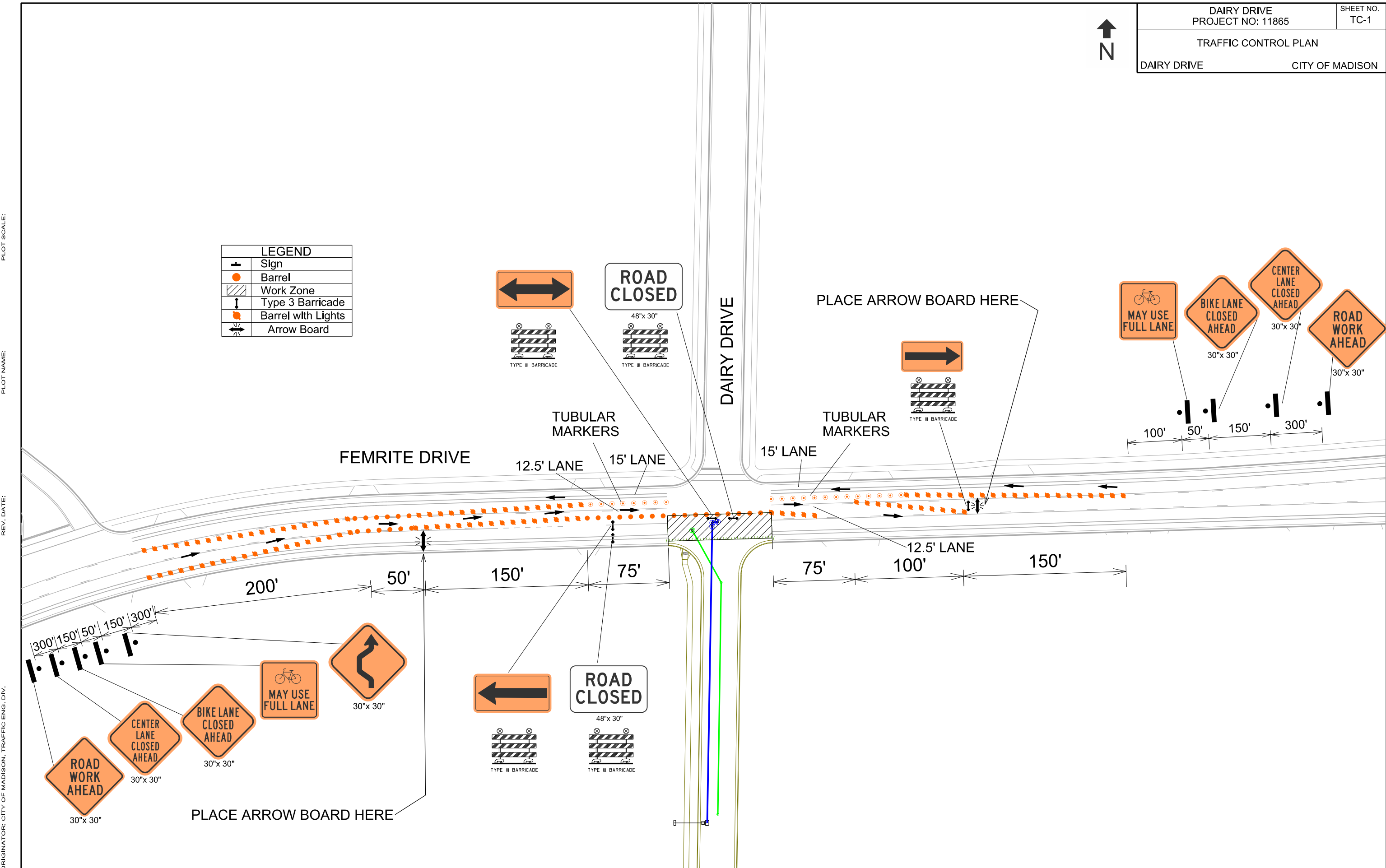


LEGEND

-  EXISTING LB-3 STREET LIGHT BASE
-  INSTALL CONCRETE POLE (PROVIDED BY CITY)
-  INSTALL TYPE I HANDHOLE
-  INSTALL TYPE III HANDHOLE
-  INSTALL (1) - 2" PVC CONDUIT, SCHEDULE 40 (UNLESS OTHERWISE NOTED)



LEGEND	
	Sign
	Barrel
	Work Zone
	Type 3 Barricade
	Barrel with Lights
	Arrow Board

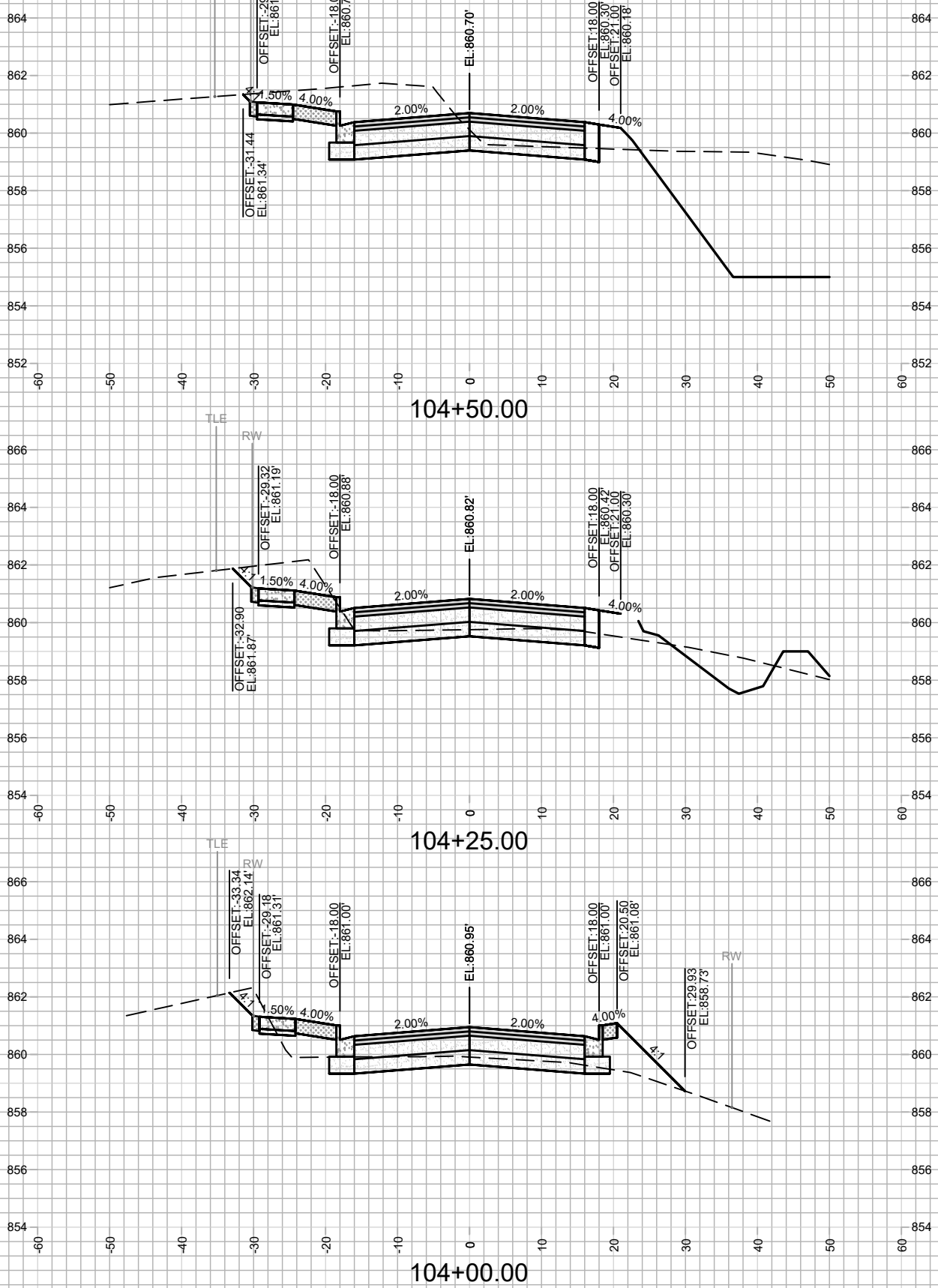
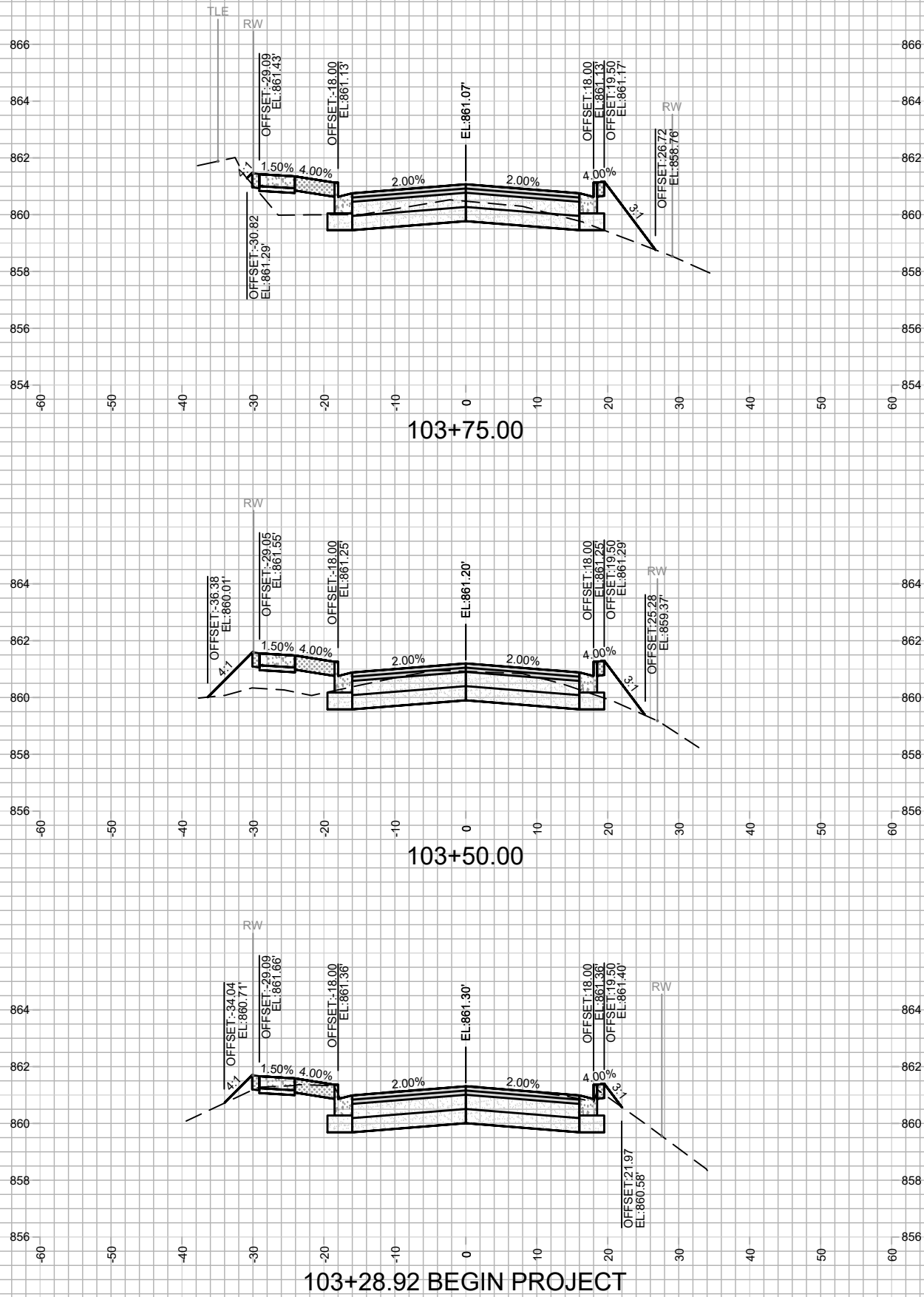


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

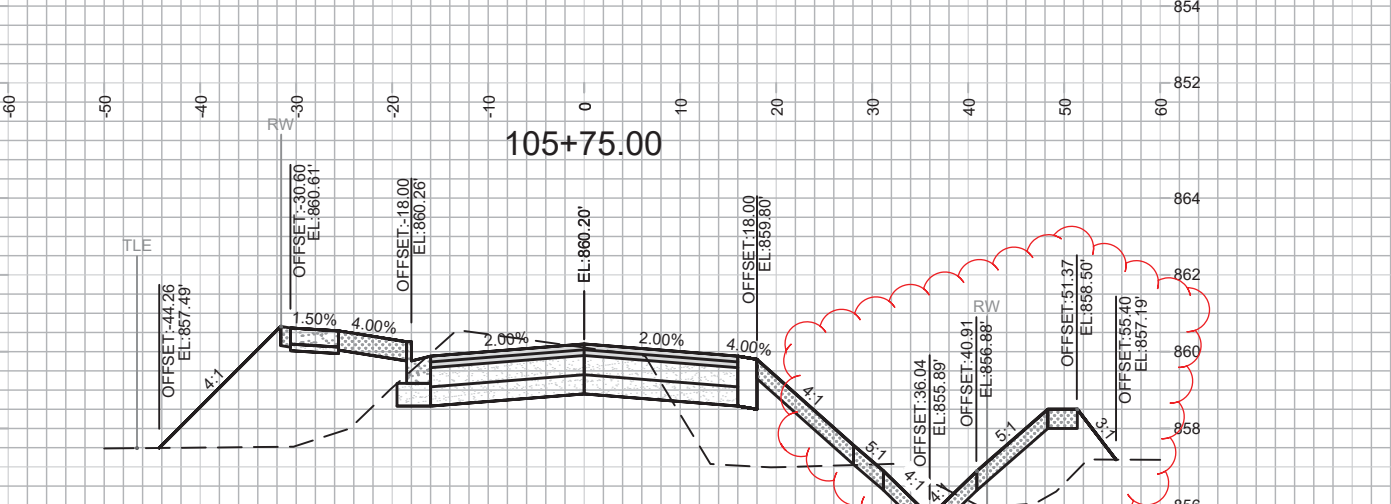
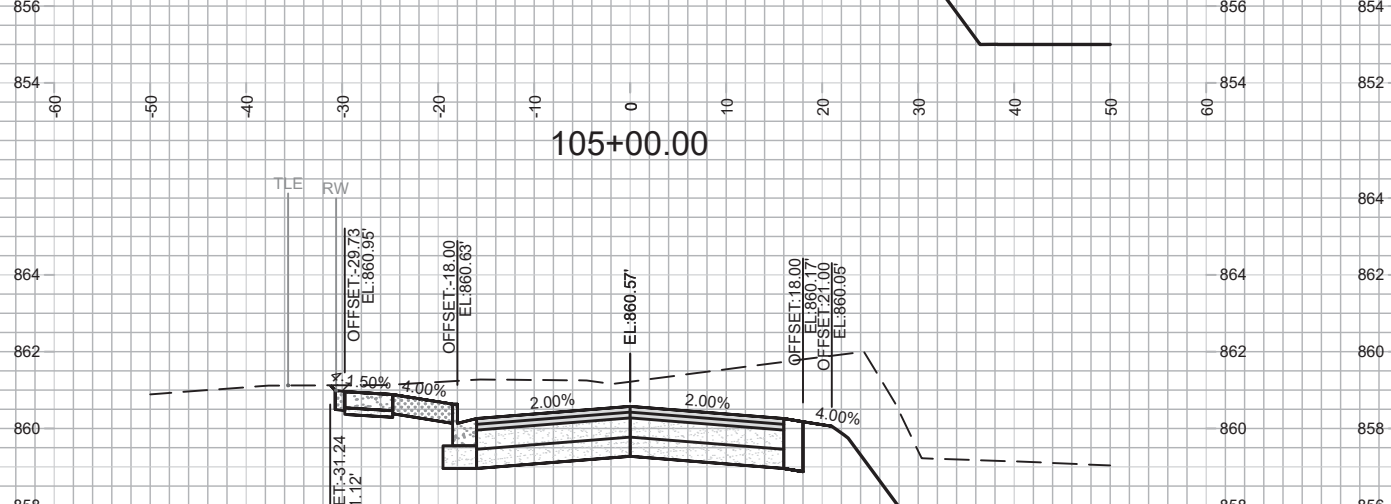
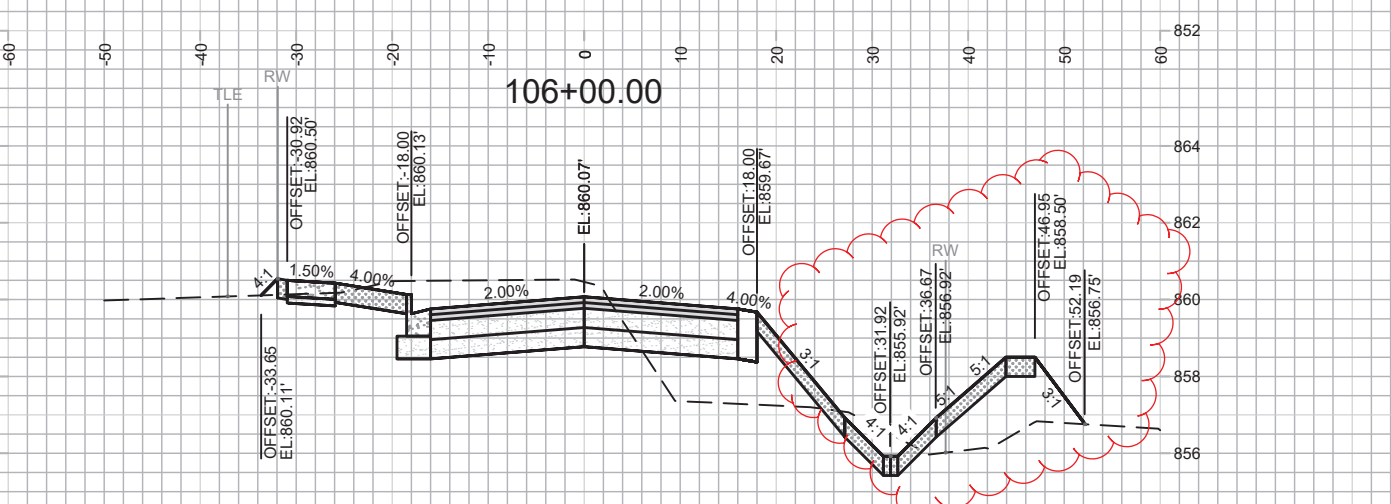
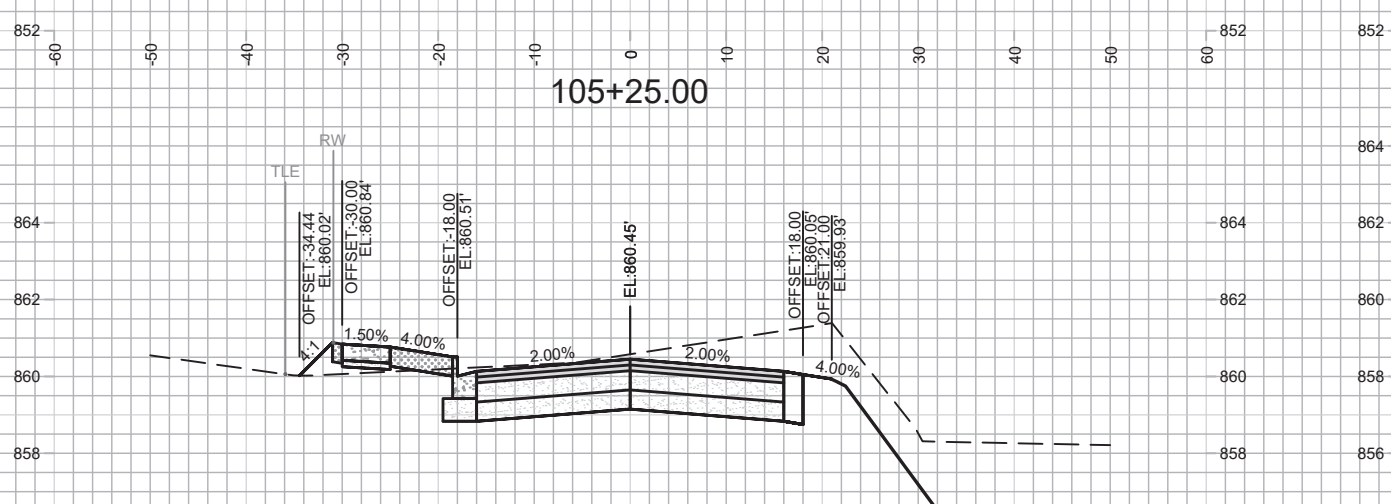
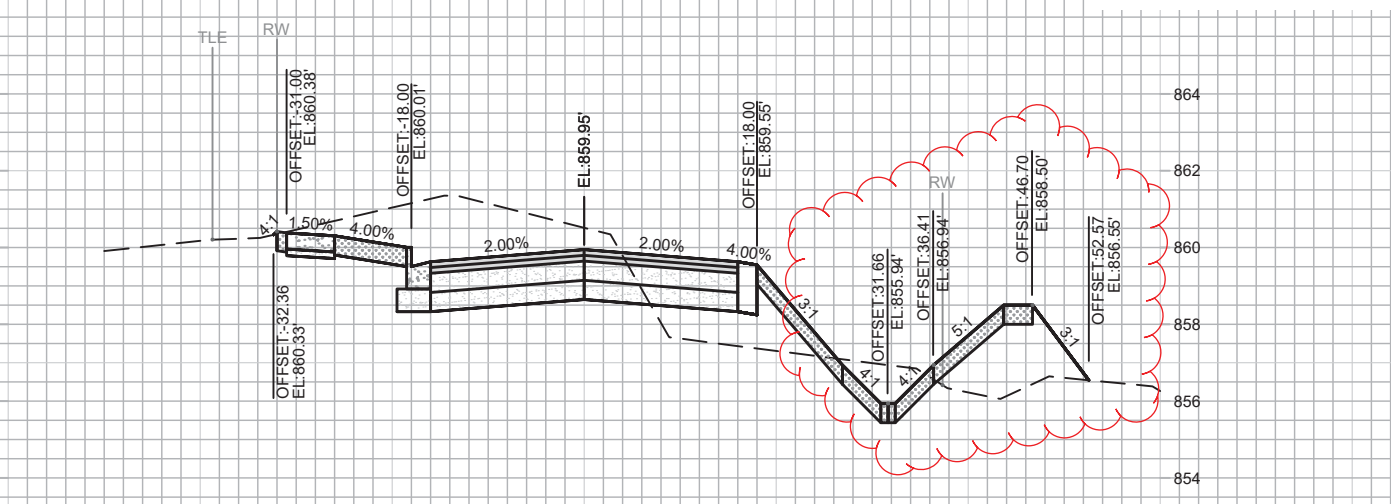
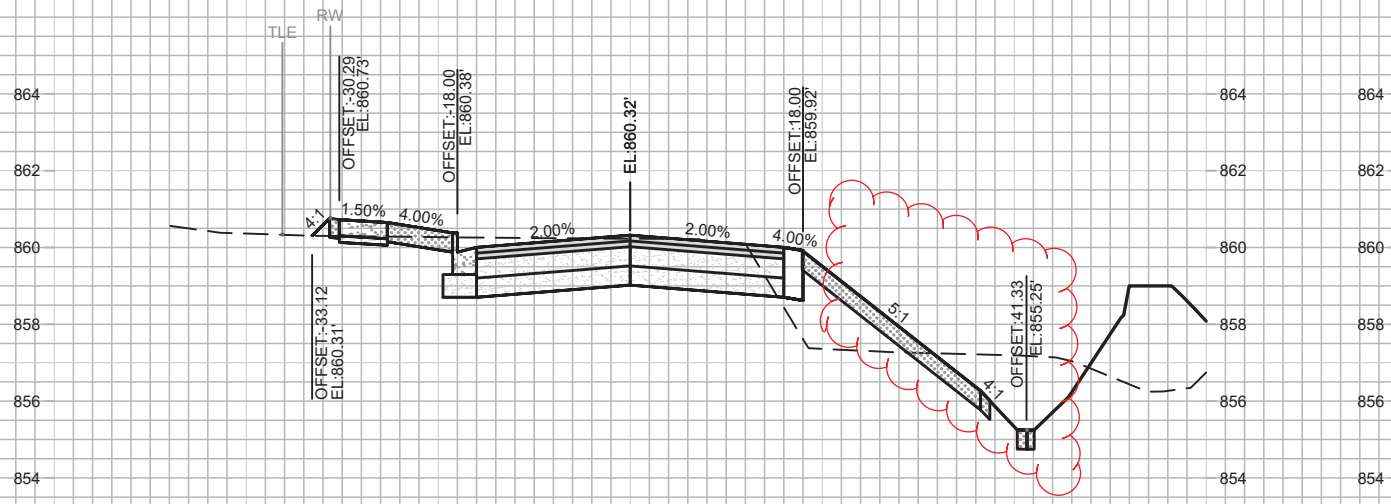


MARK	REVISION	DATE	BY

11865
 MADISON, WI
 CONTRACT NO: 8294

CROSS SECTIONS
 DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
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 X-1

REVISION 6/20/20 AJZ
- Revised Swale Grades



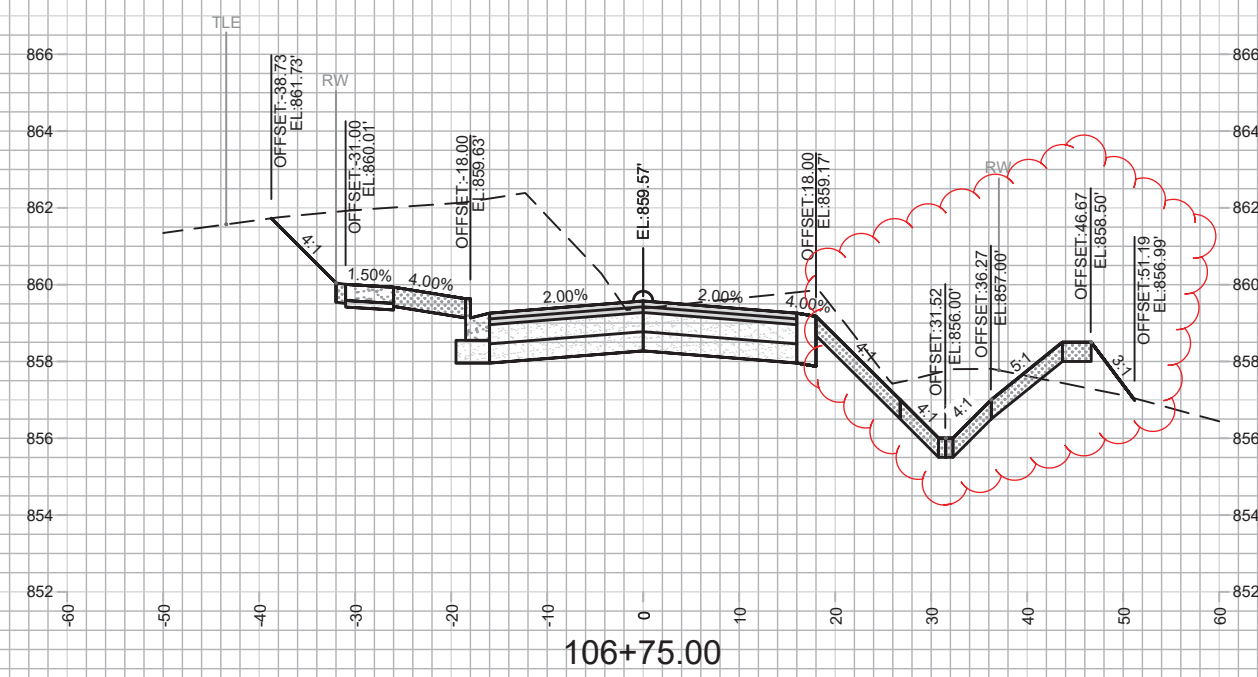
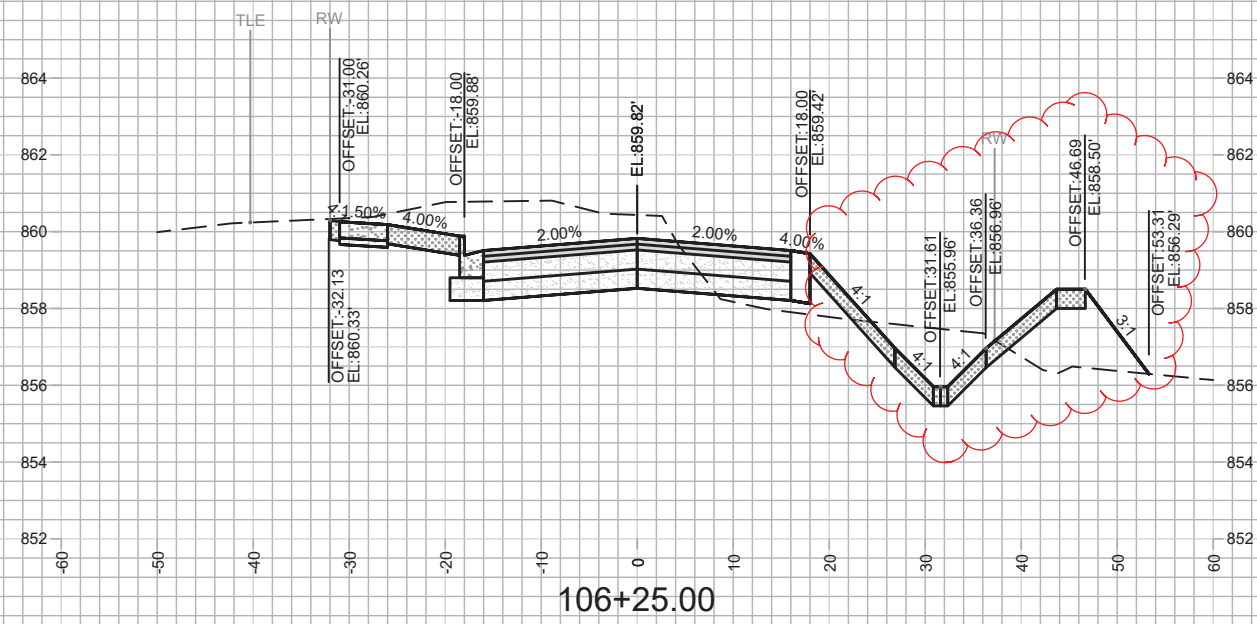
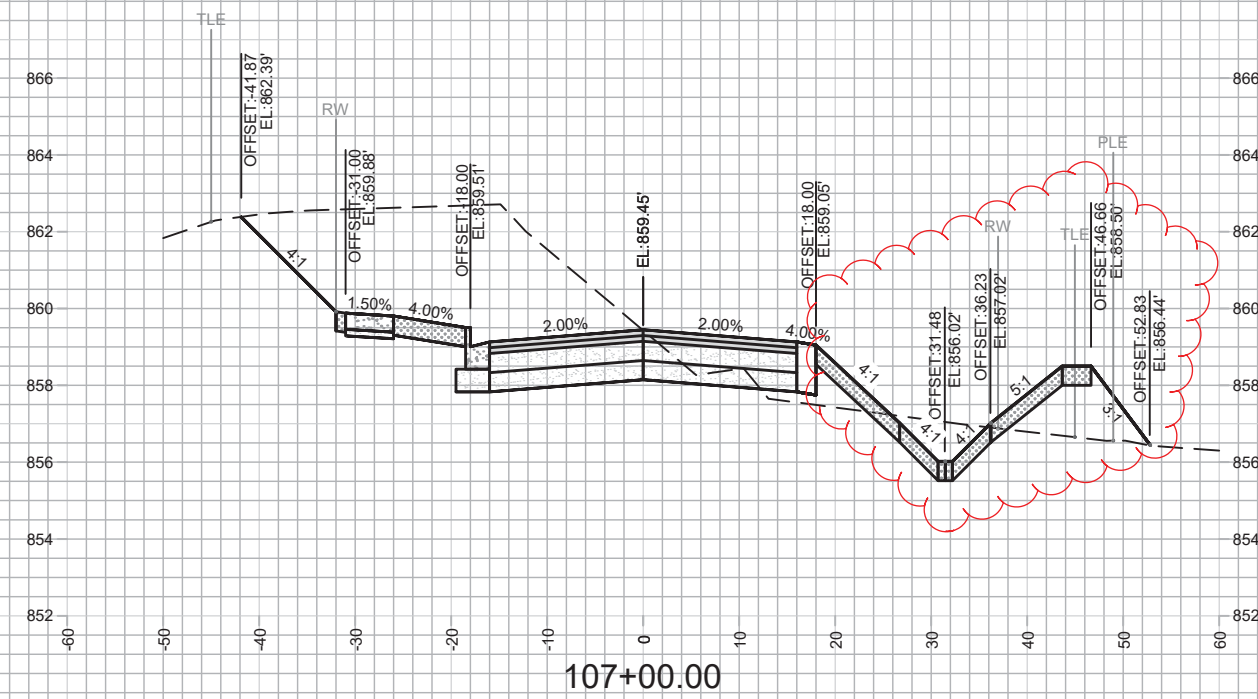
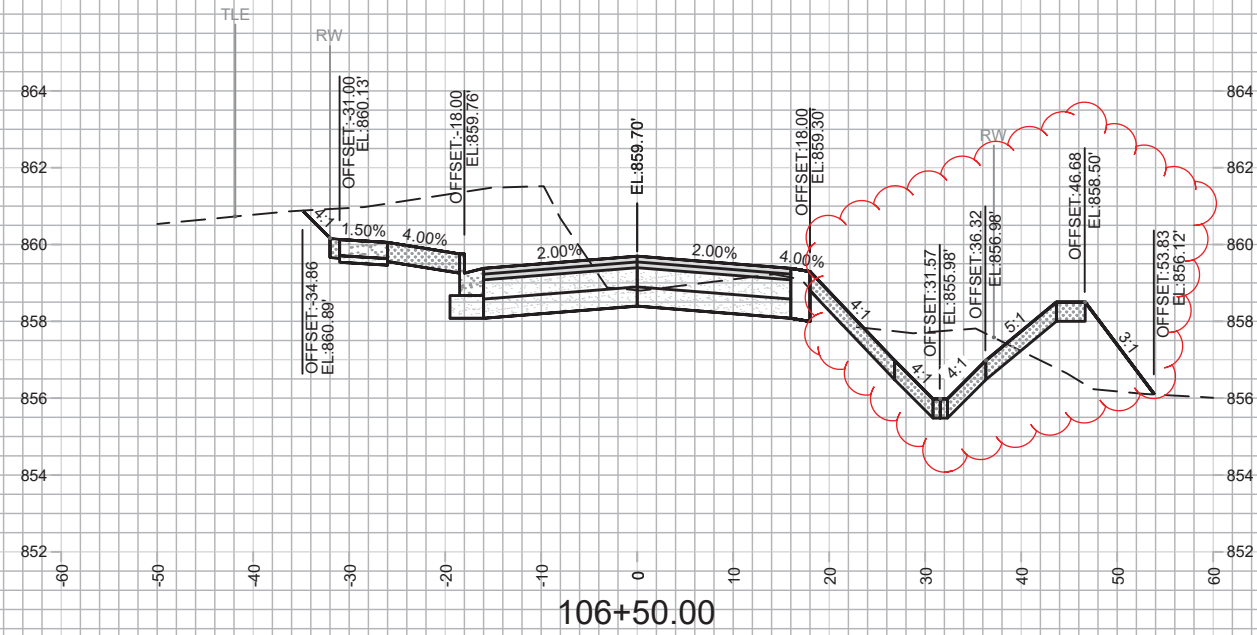
MARK	REVISION	DATE	BY

11865
MADISON, WI
CONTRACT NO: 8294

CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)



REVISION 6/20/20 AJZ
 - Revised Swale Grades



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 11865

11865
 MADISON, WI
 CONTRACT NO: 8294

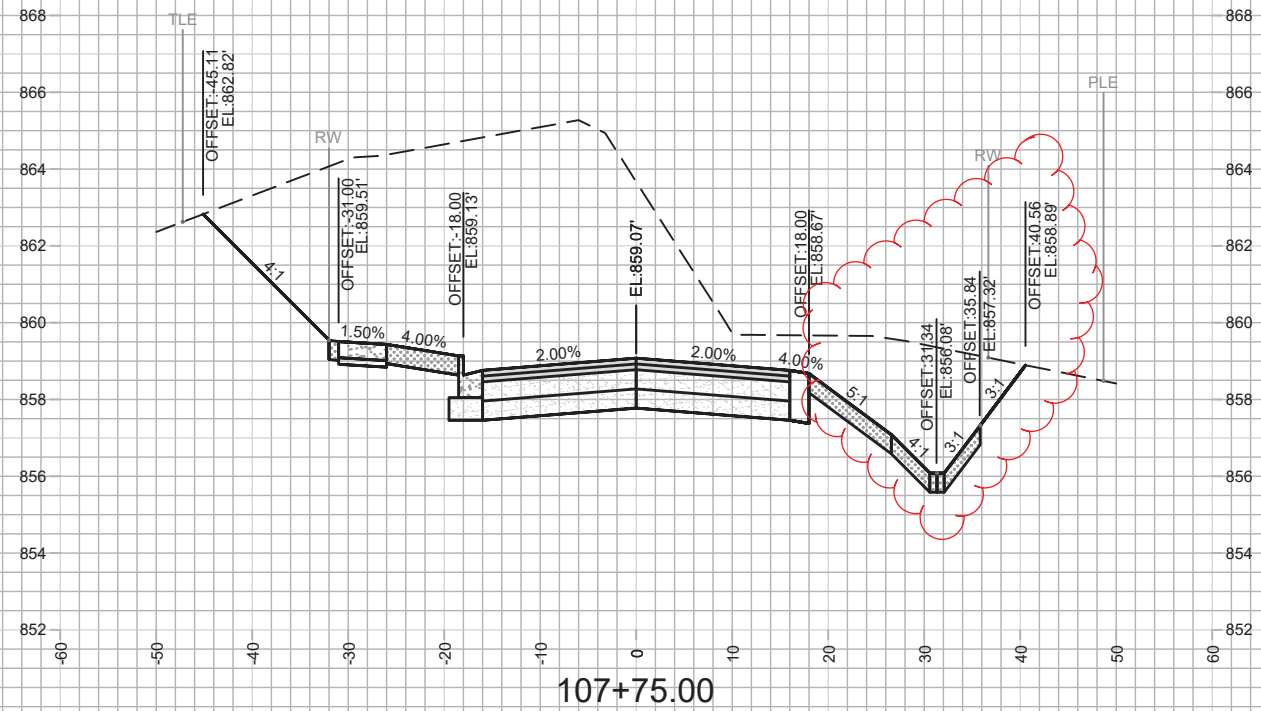
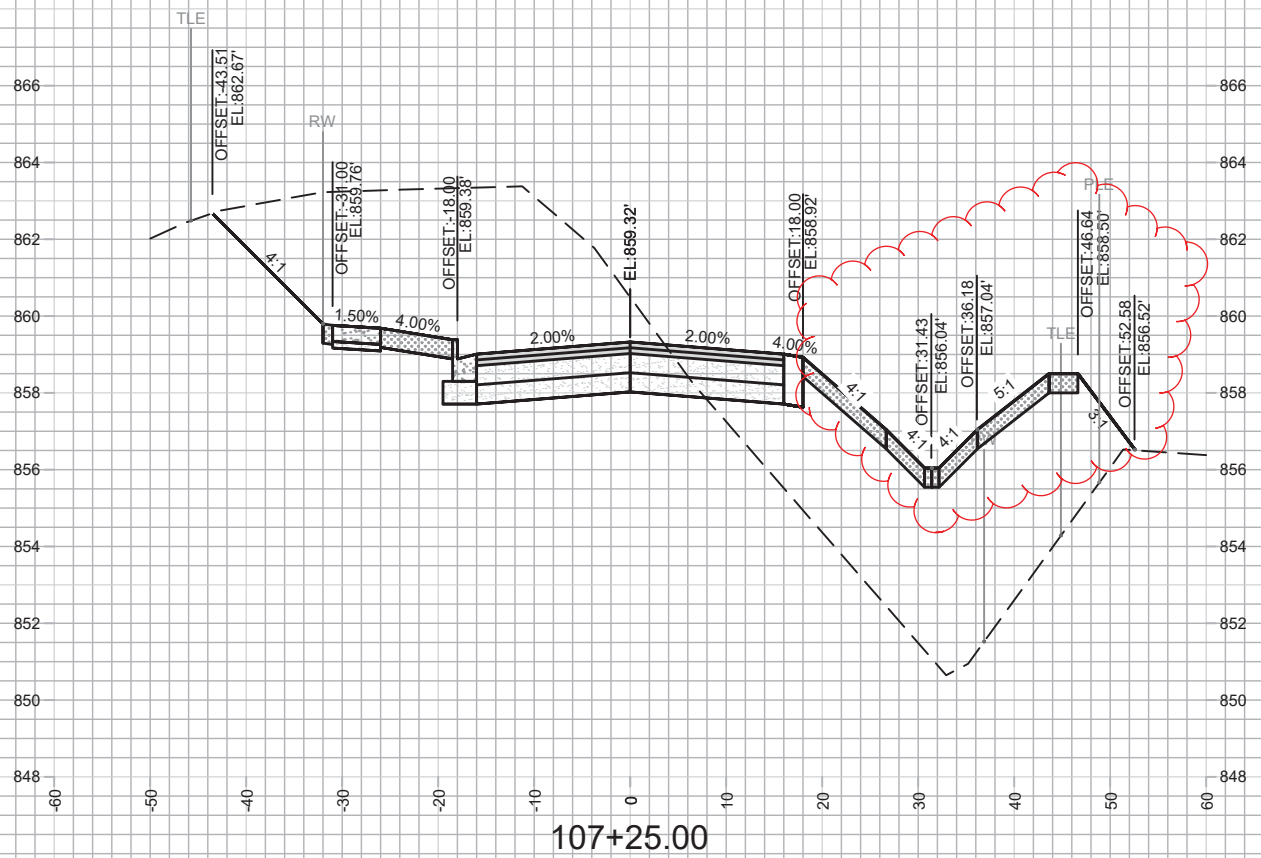
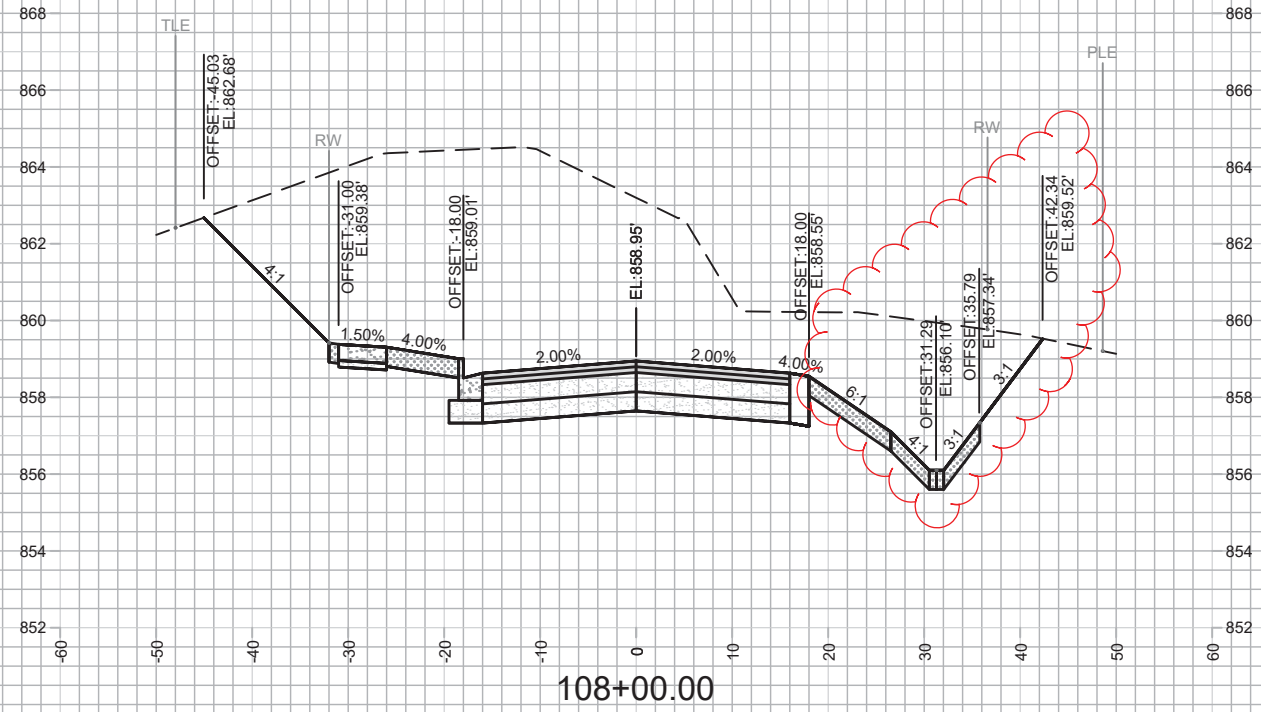
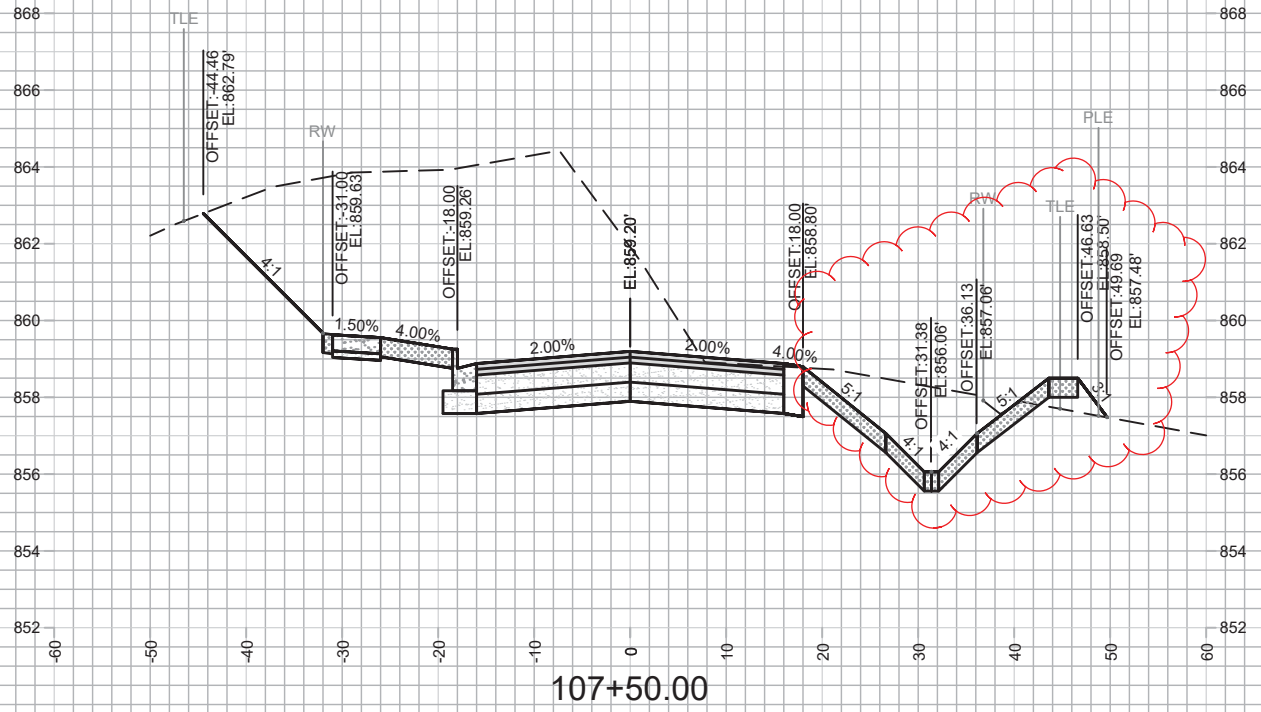
CROSS SECTIONS
 DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)



11865
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REVISION 6/20/20 AJZ
- Revised Swale Grades



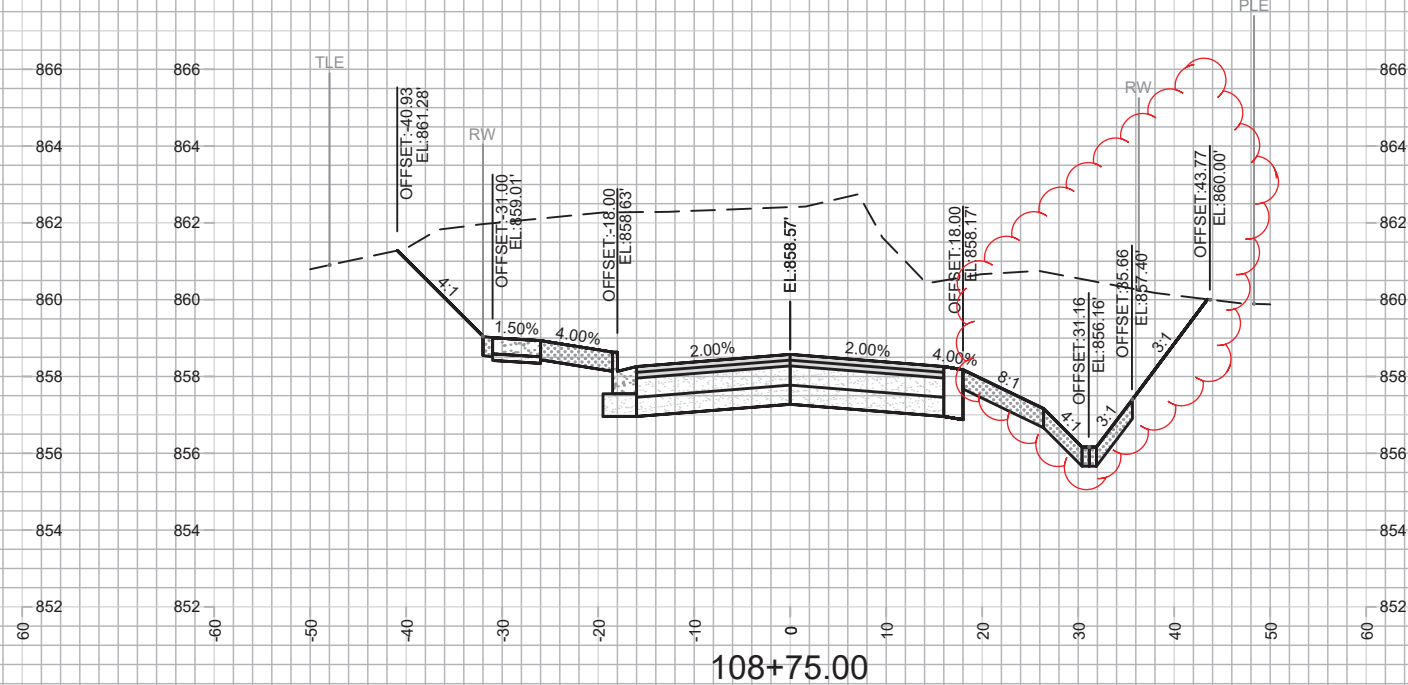
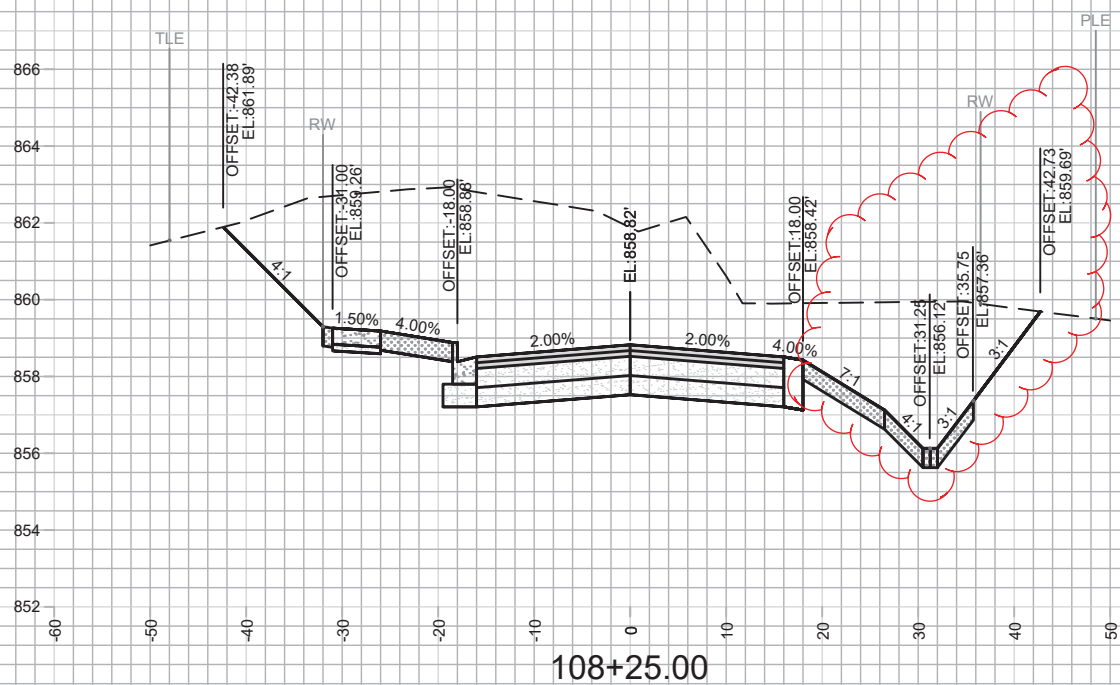
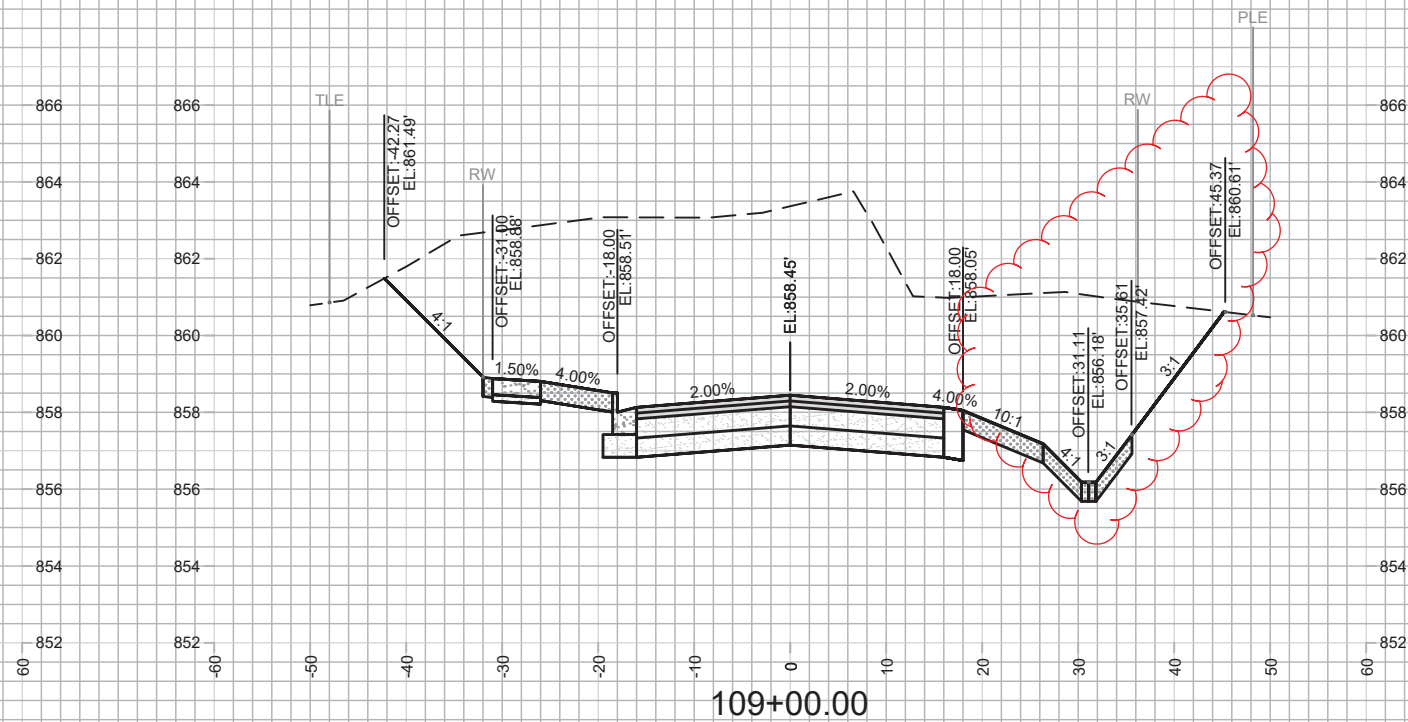
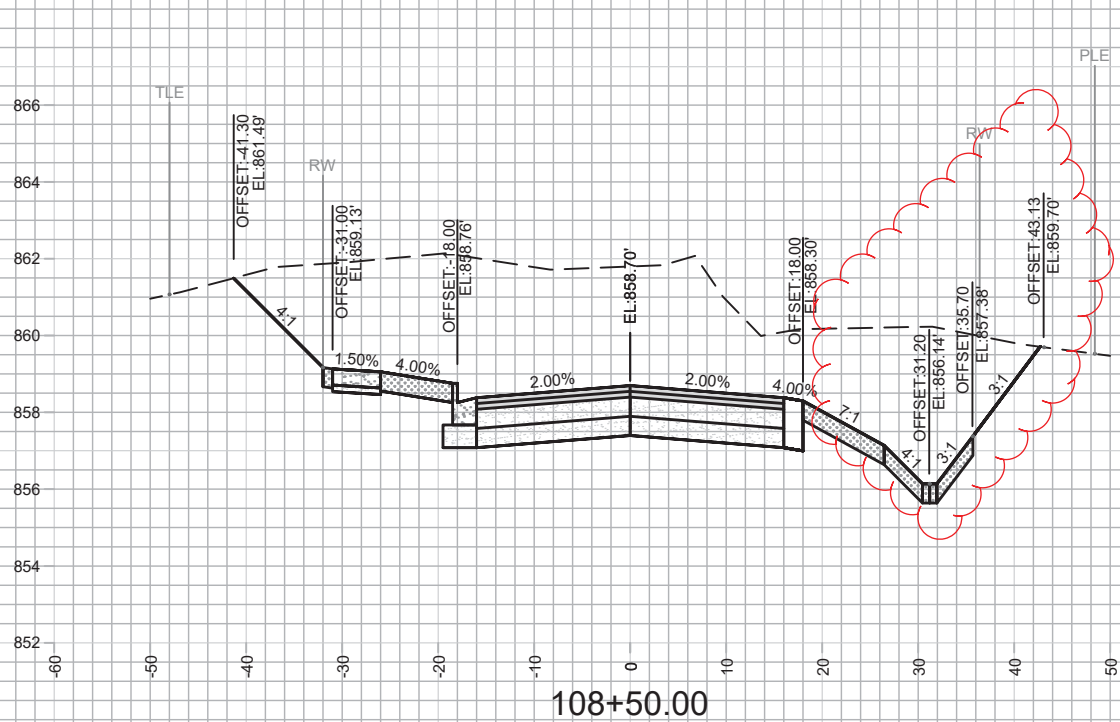
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MADISON, WI
CONTRACT NO: 8294
Designed By: AJZ Date: 6/19/2020 11:27 AM
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CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
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X-4

REVISION 6/20/20 AJZ
- Revised Swale Grades



MARK	REVISION	DATE	BY

11865
MADISON, WI
8294

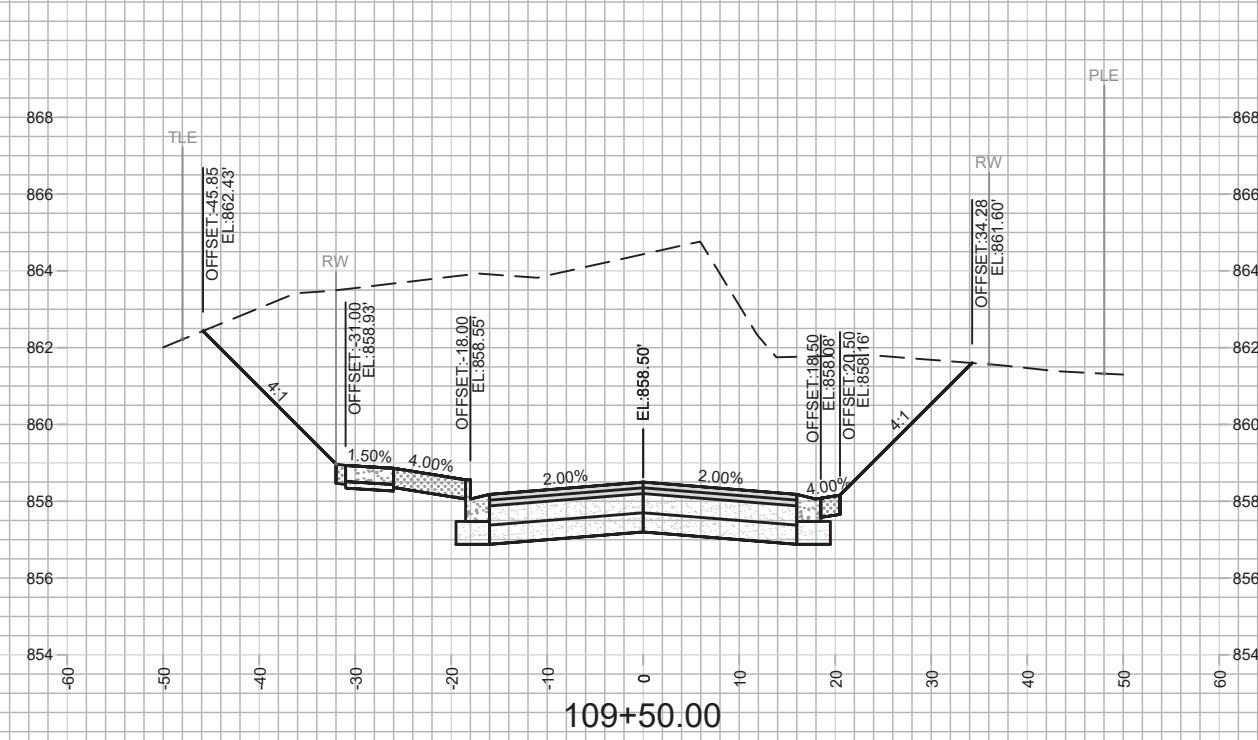
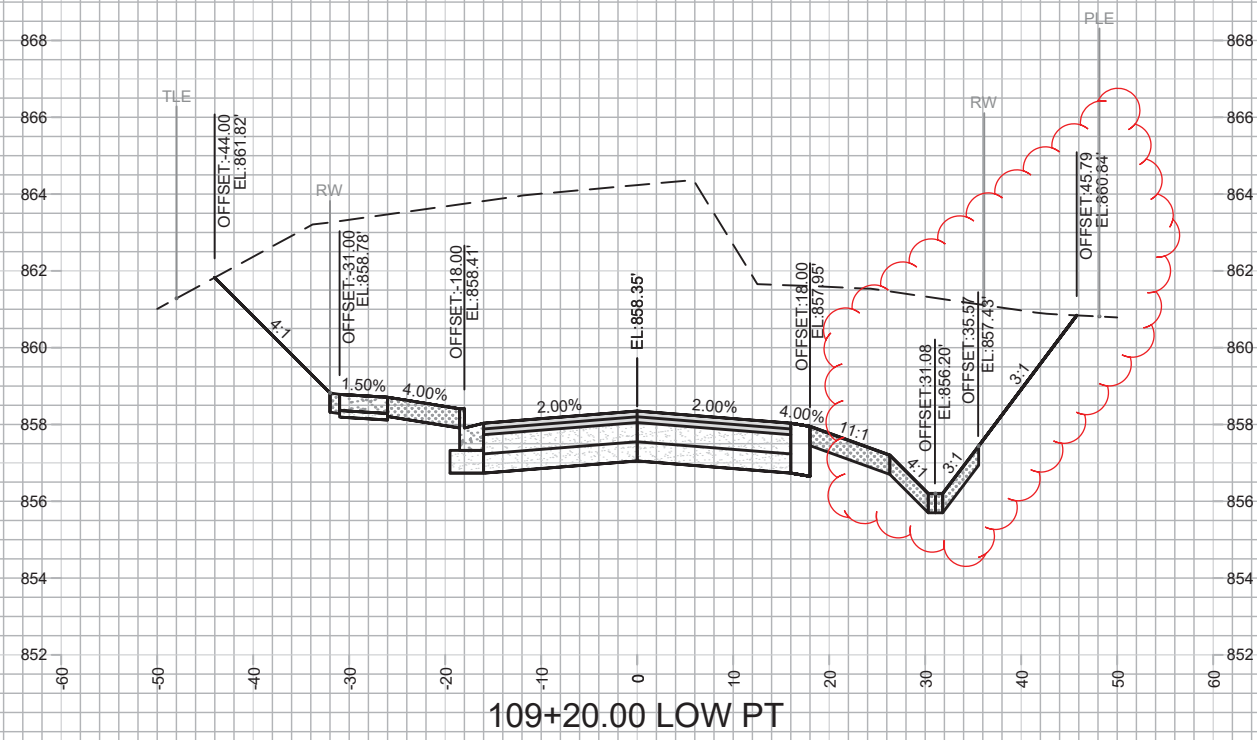
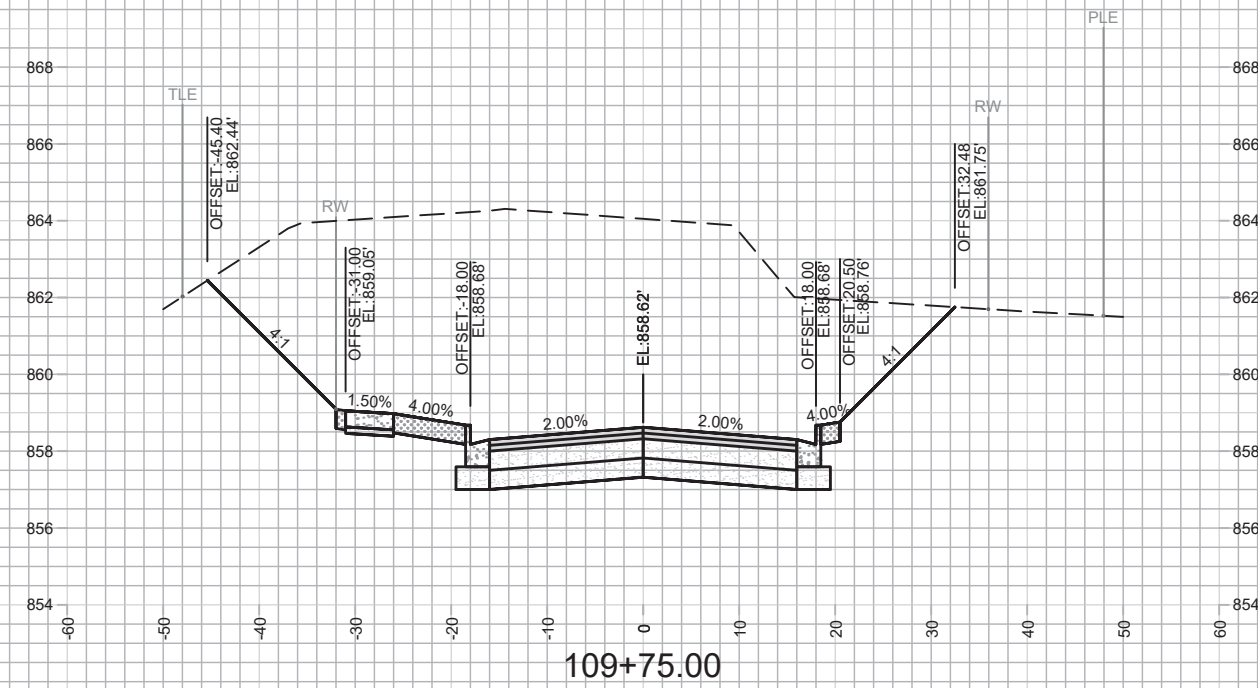
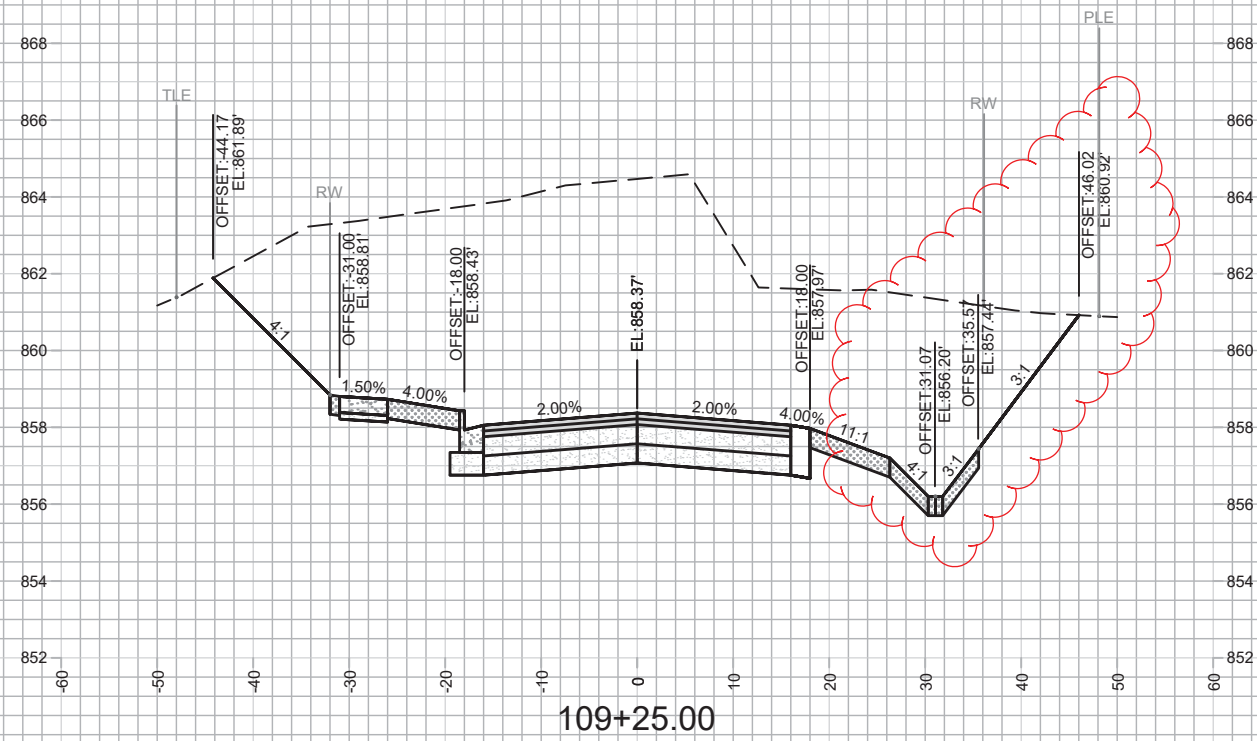
CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)



11865
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REVISION 6/20/20 AJZ
- Revised Swale Grades



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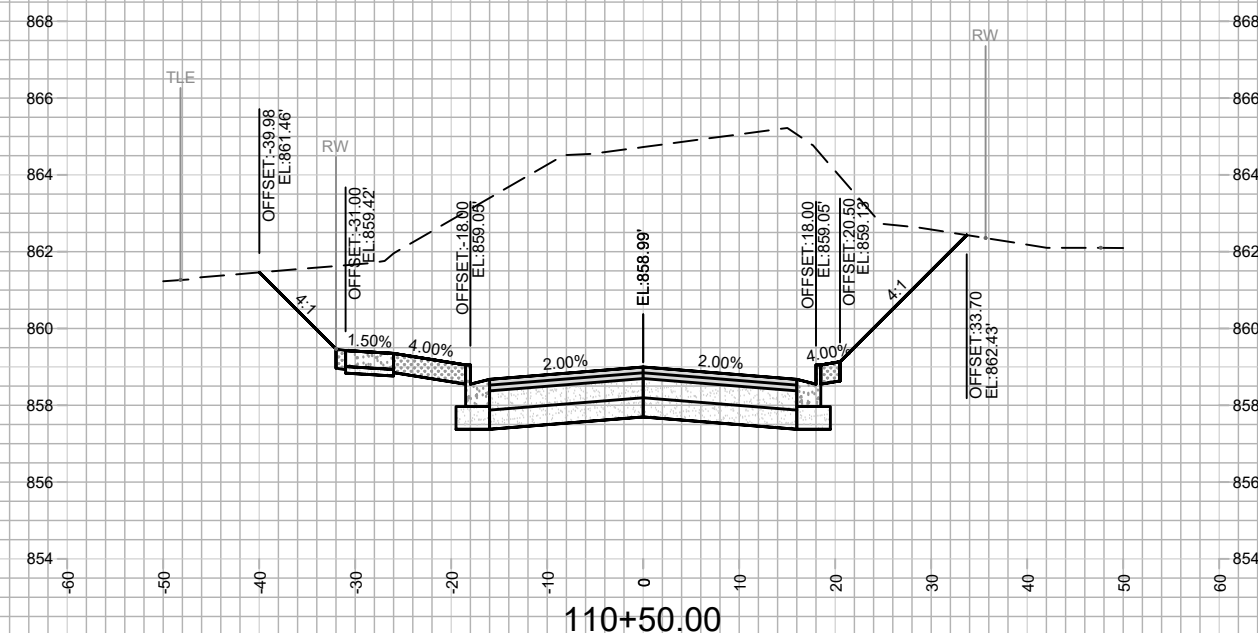
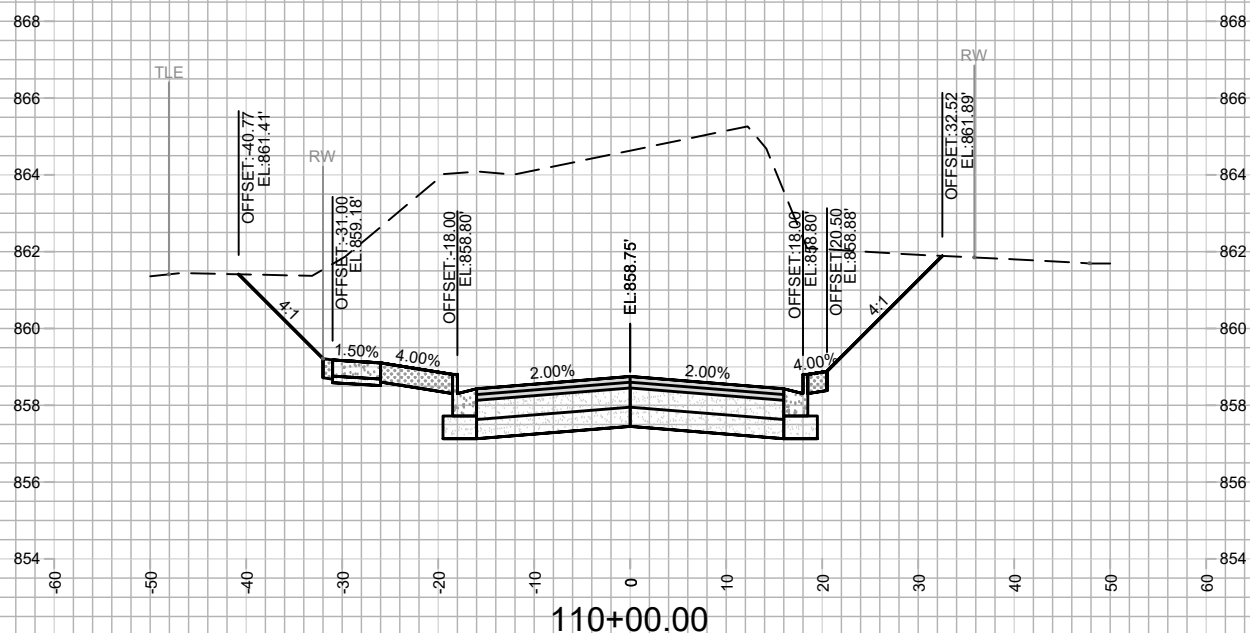
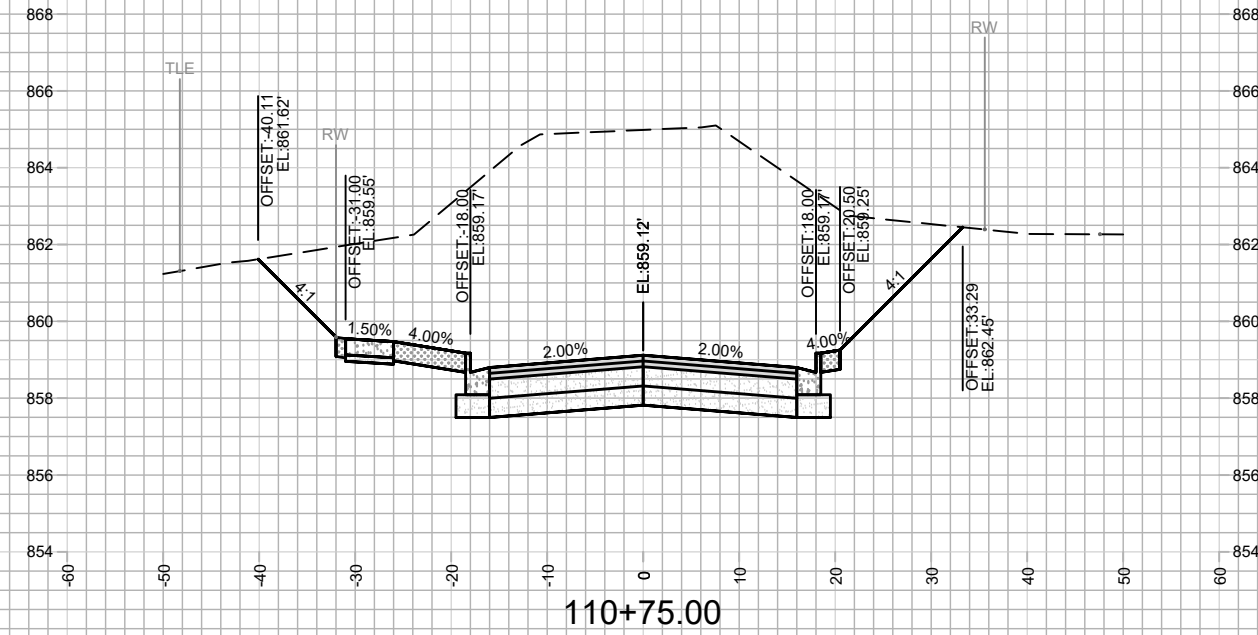
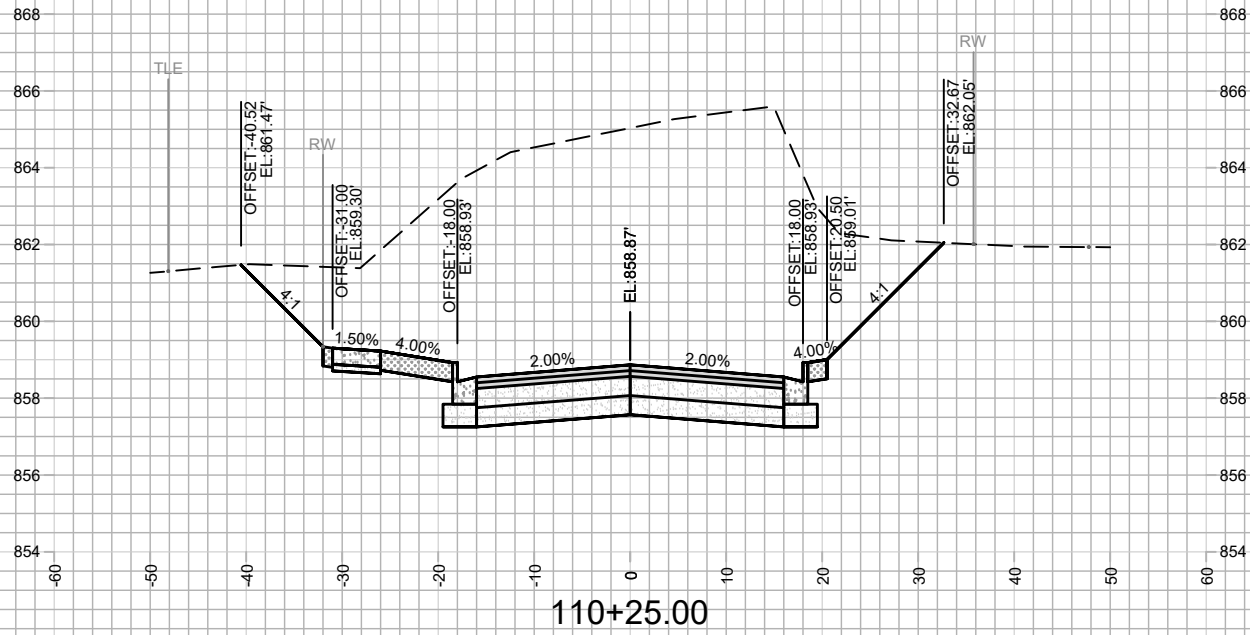
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MADISON, WI
CONTRACT NO: 8294

CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)



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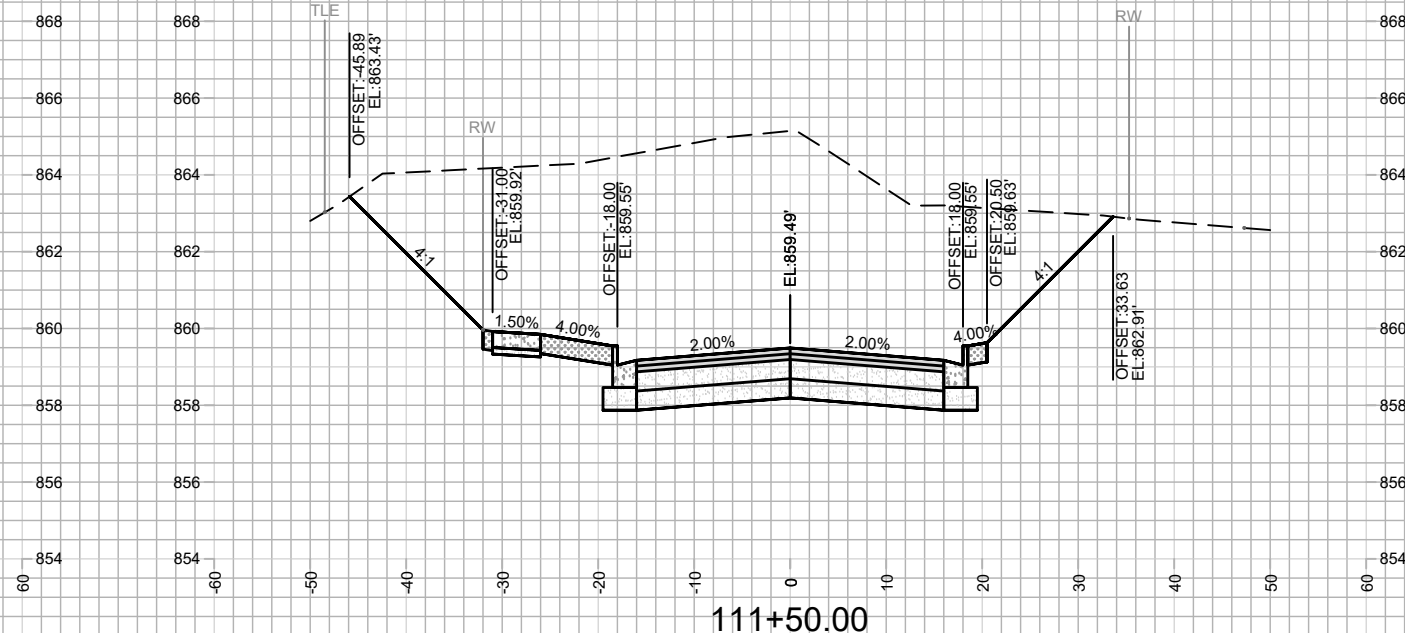
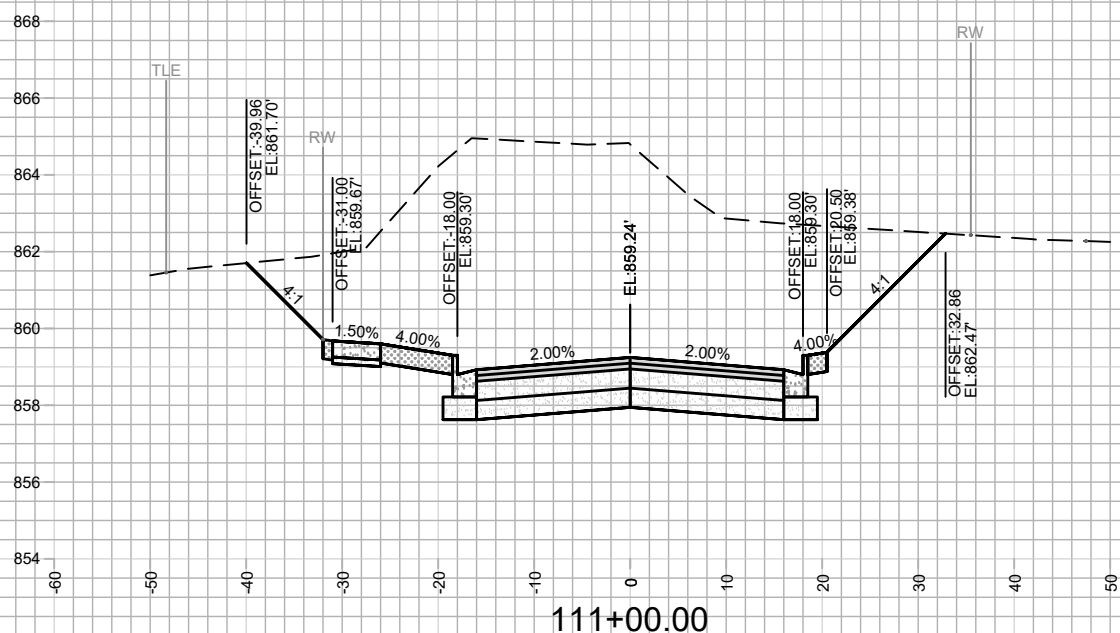
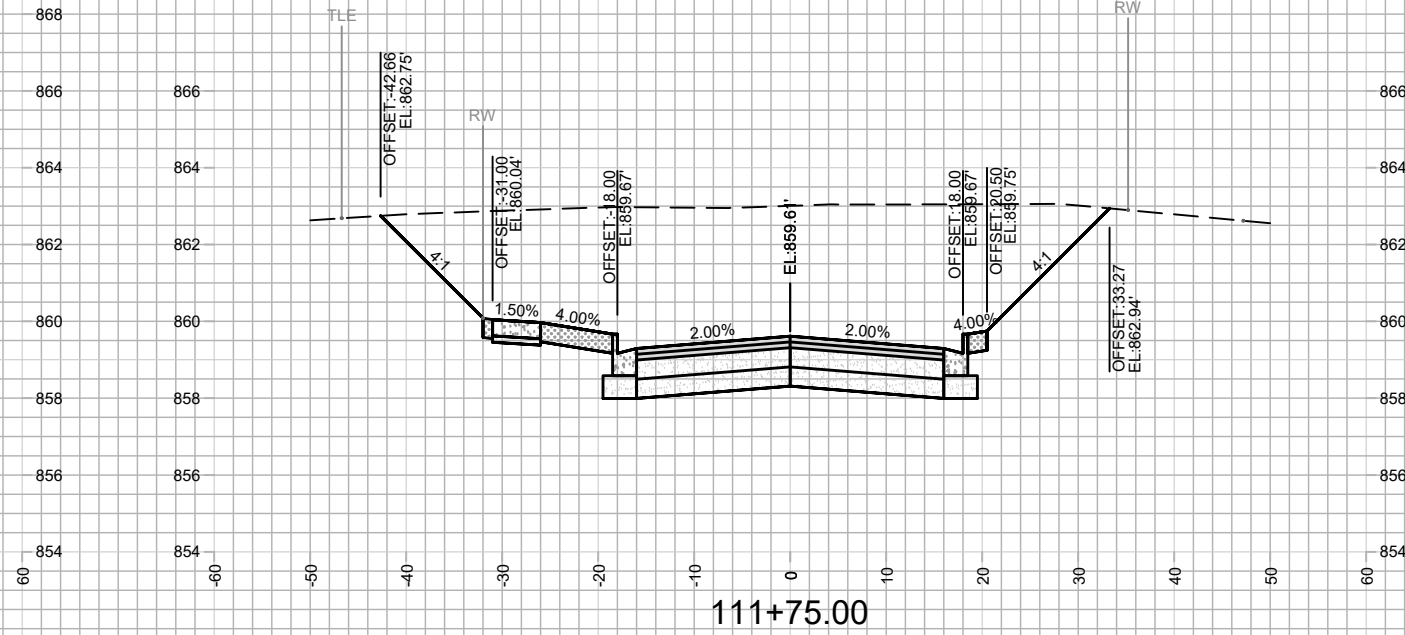
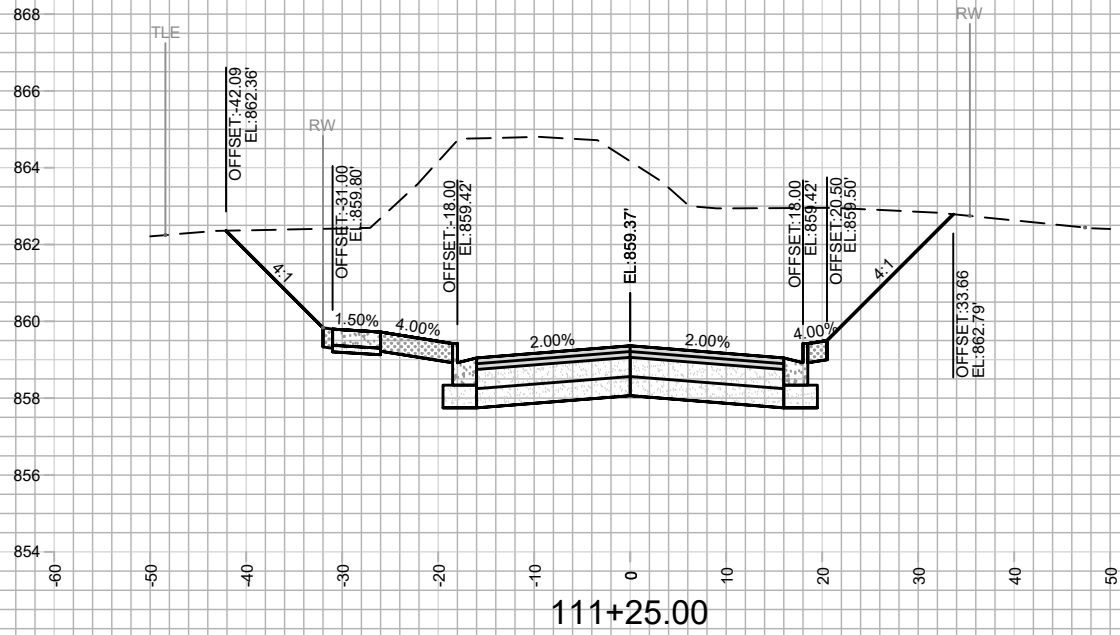
11865
MADISON, WI
8294
CONTRACT NO:

CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
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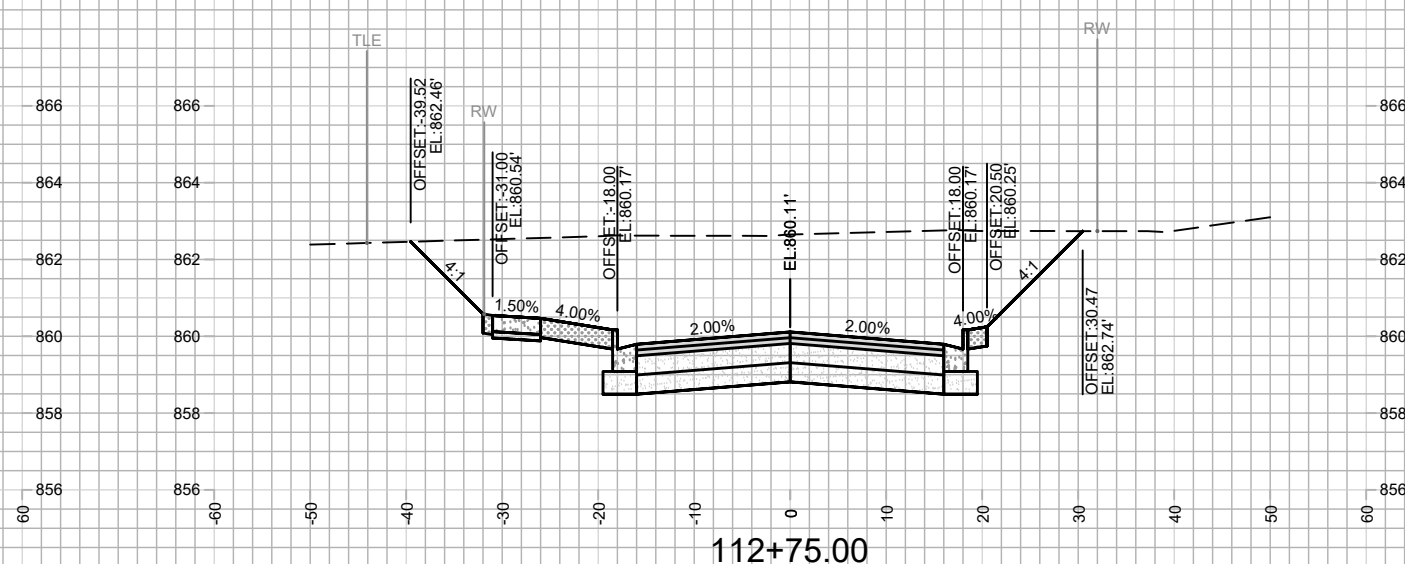
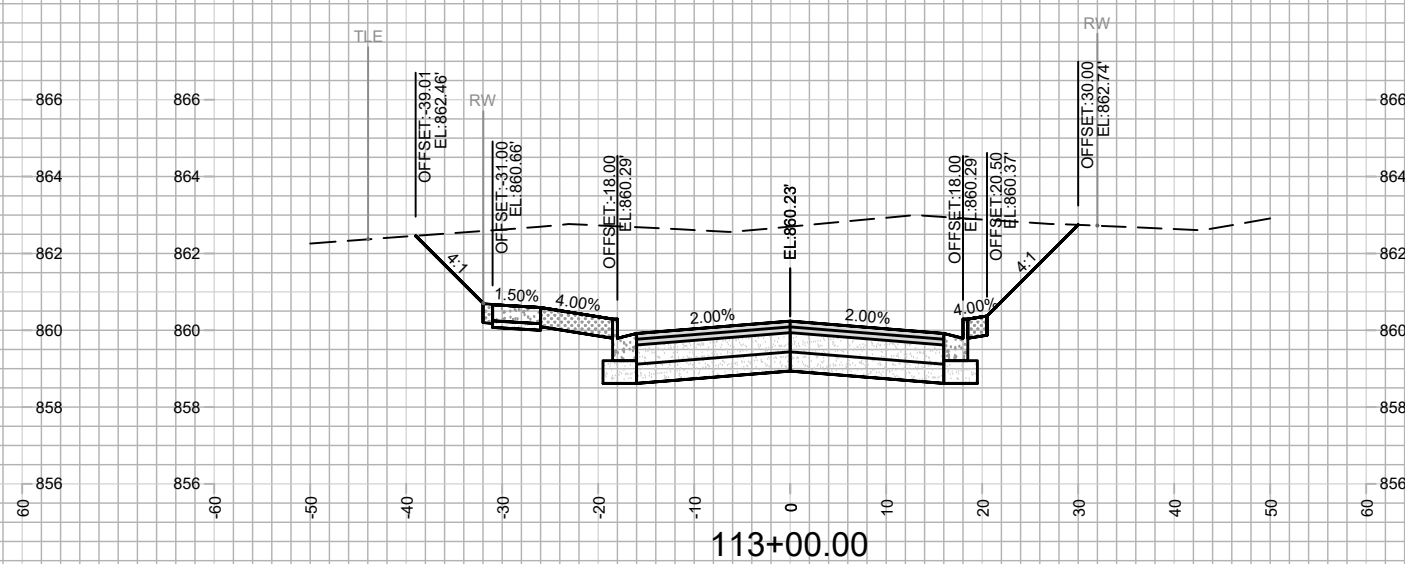
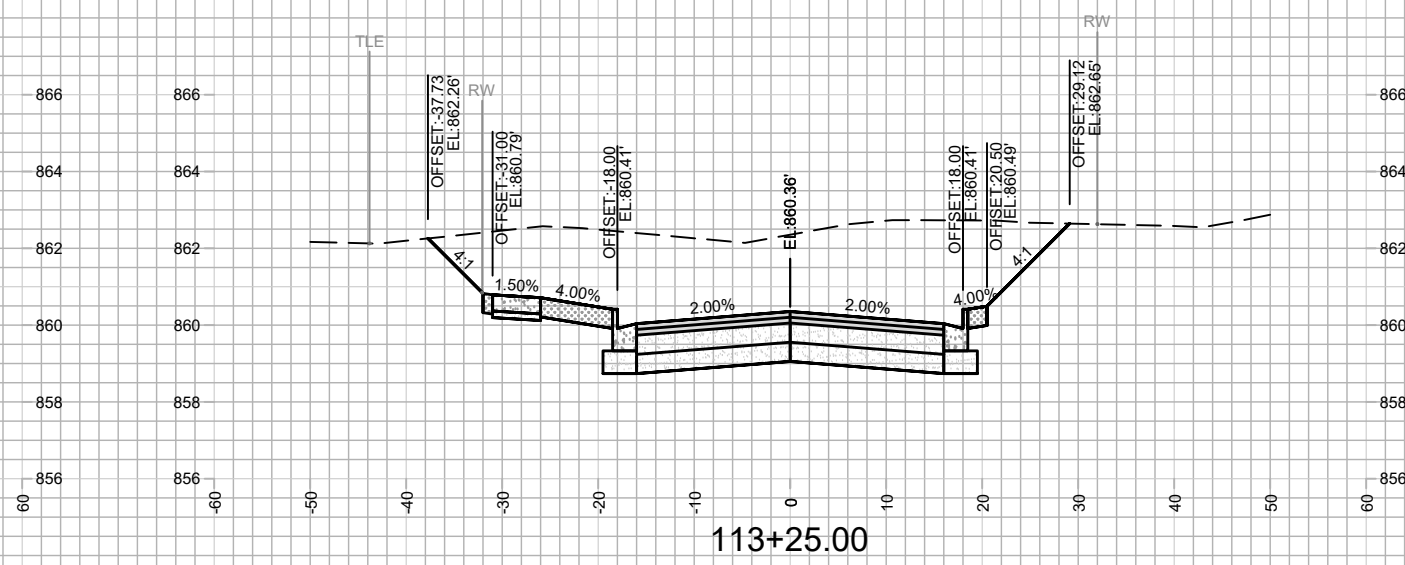
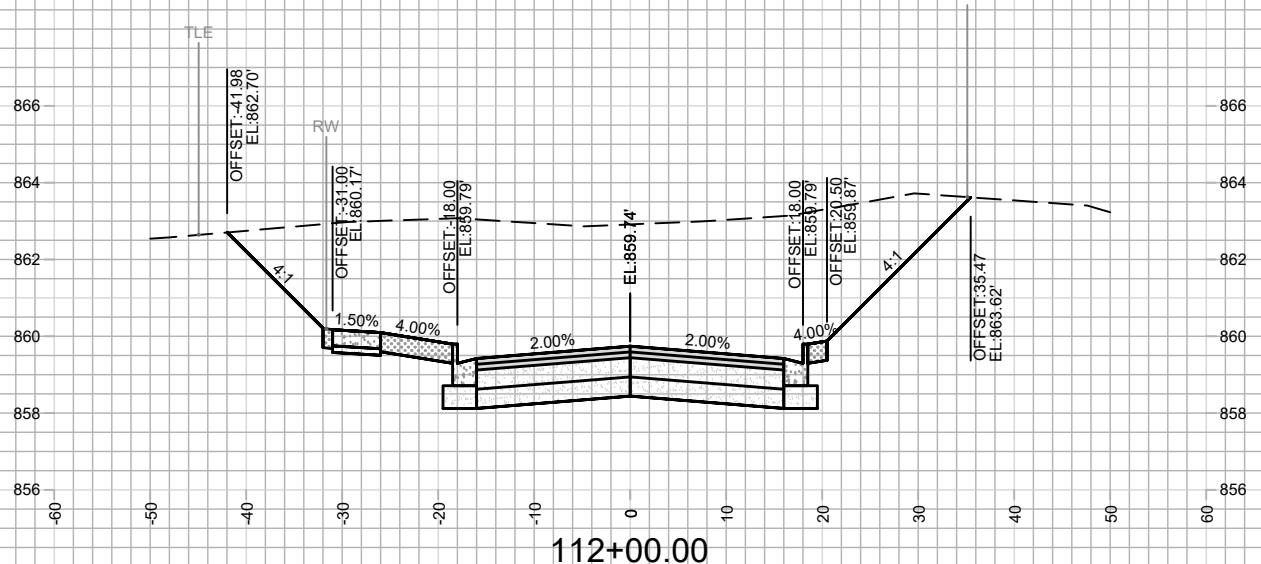
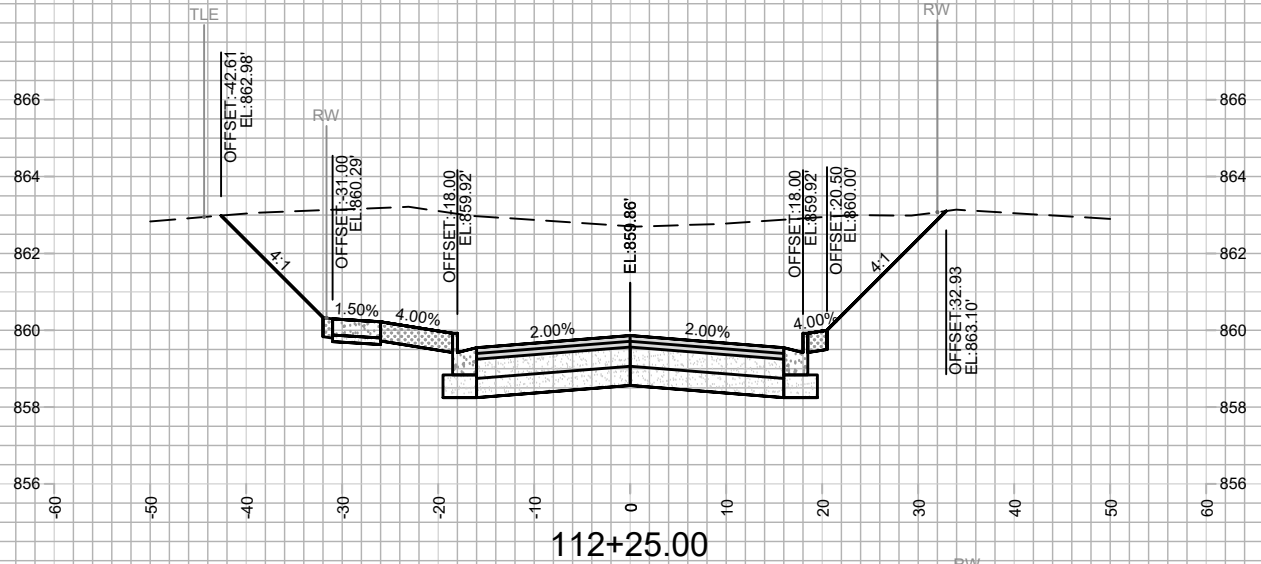
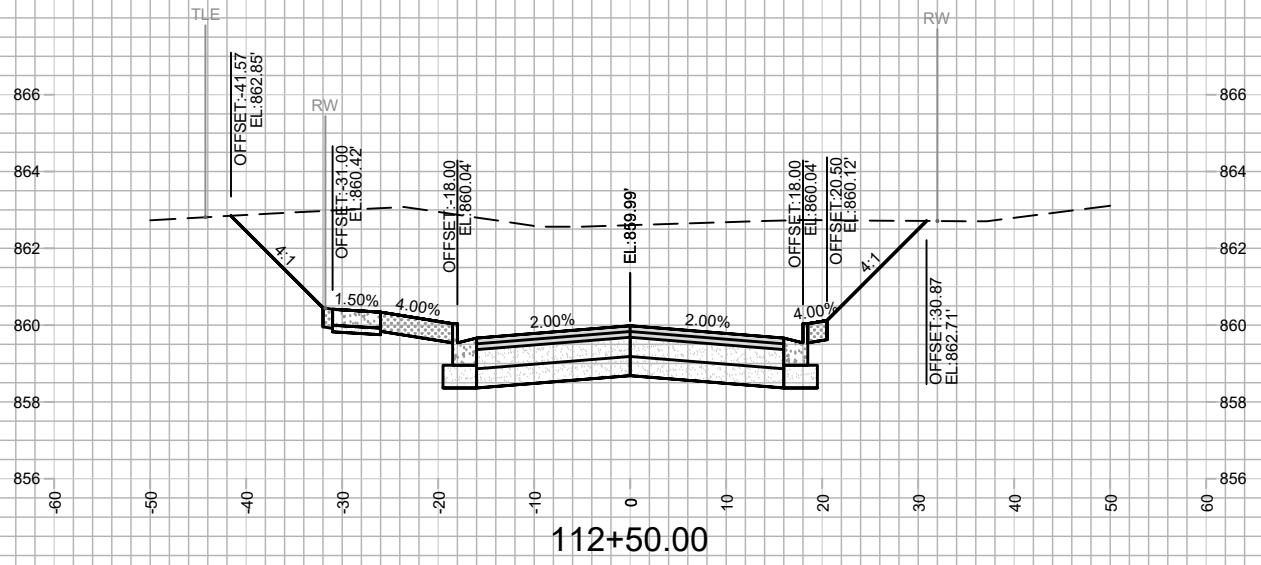
11865
MADISON, WI
8294
CONTRACT NO:

CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
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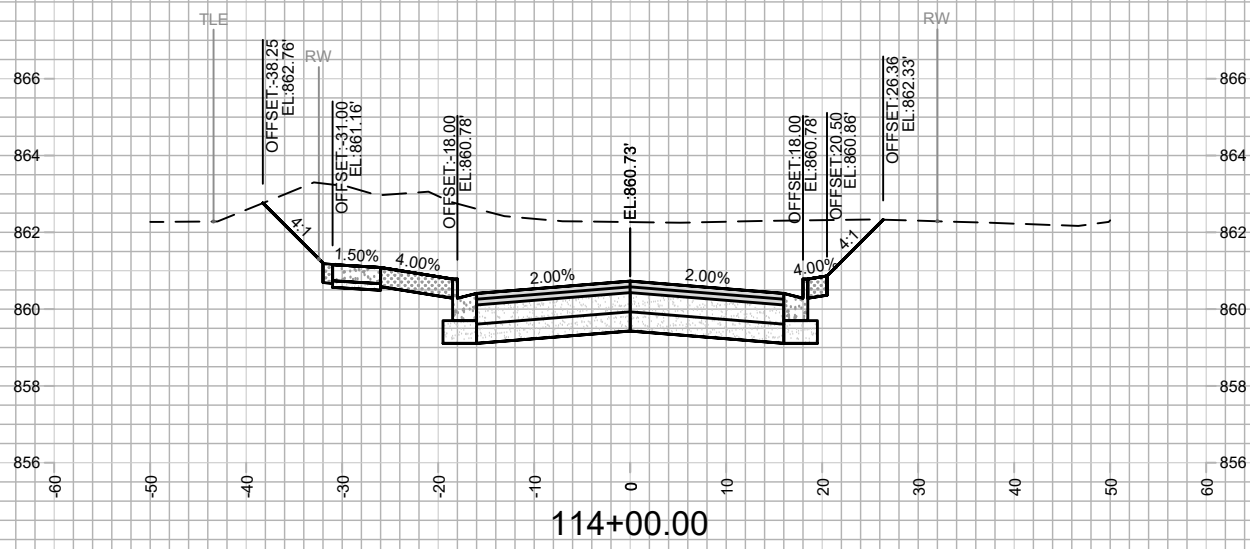
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 MADISON, WI
 CONTRACT NO: 8294

CROSS SECTIONS
 DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)

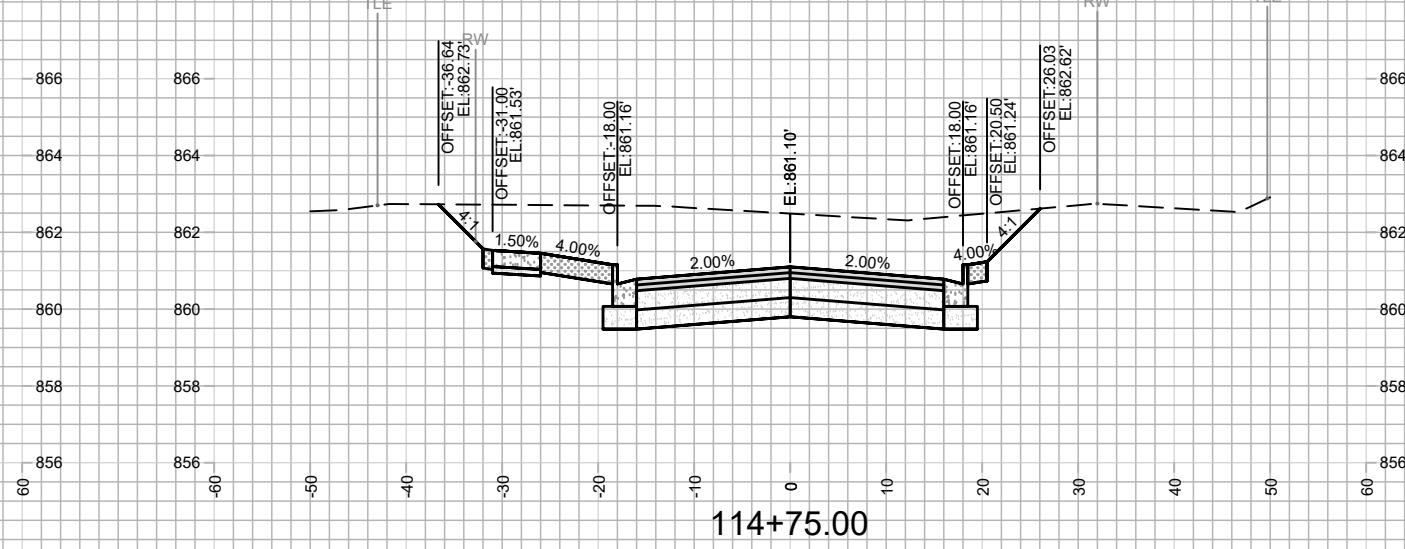


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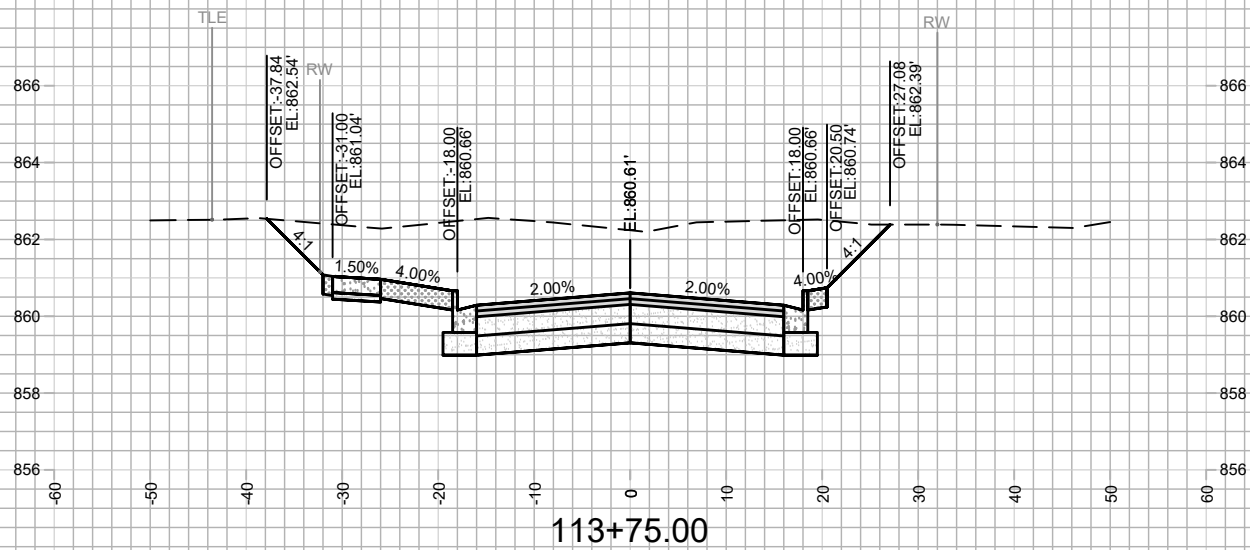
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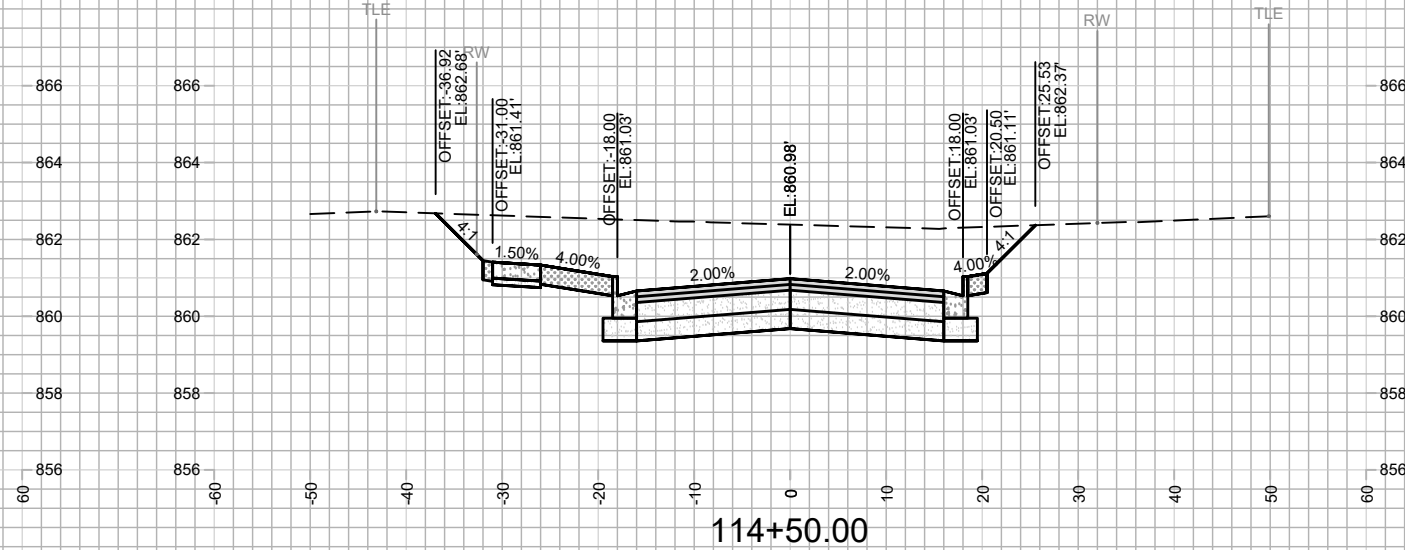
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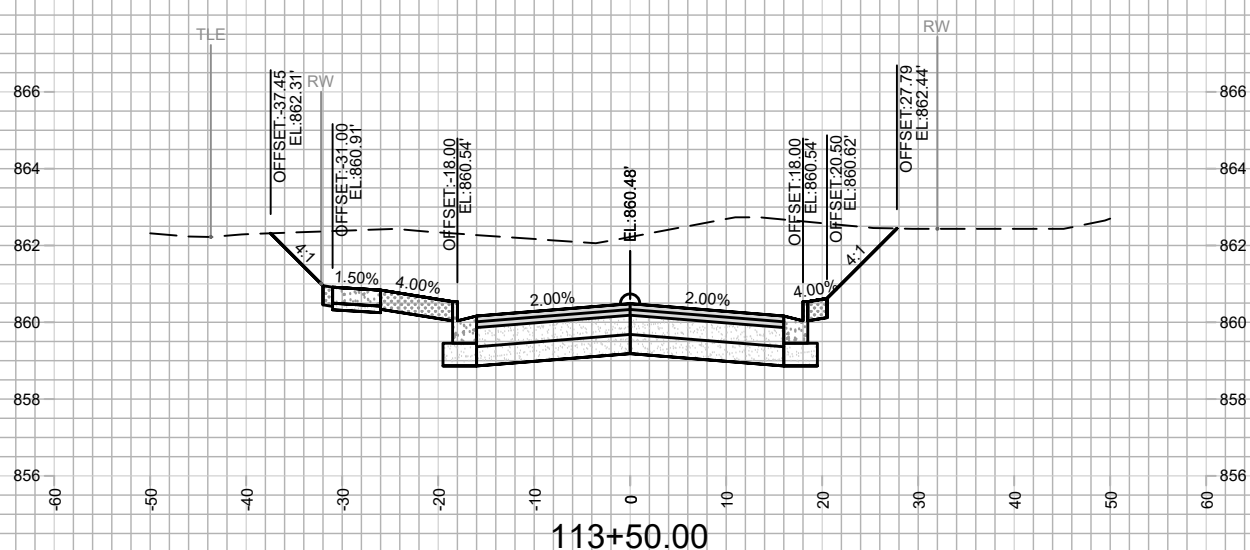
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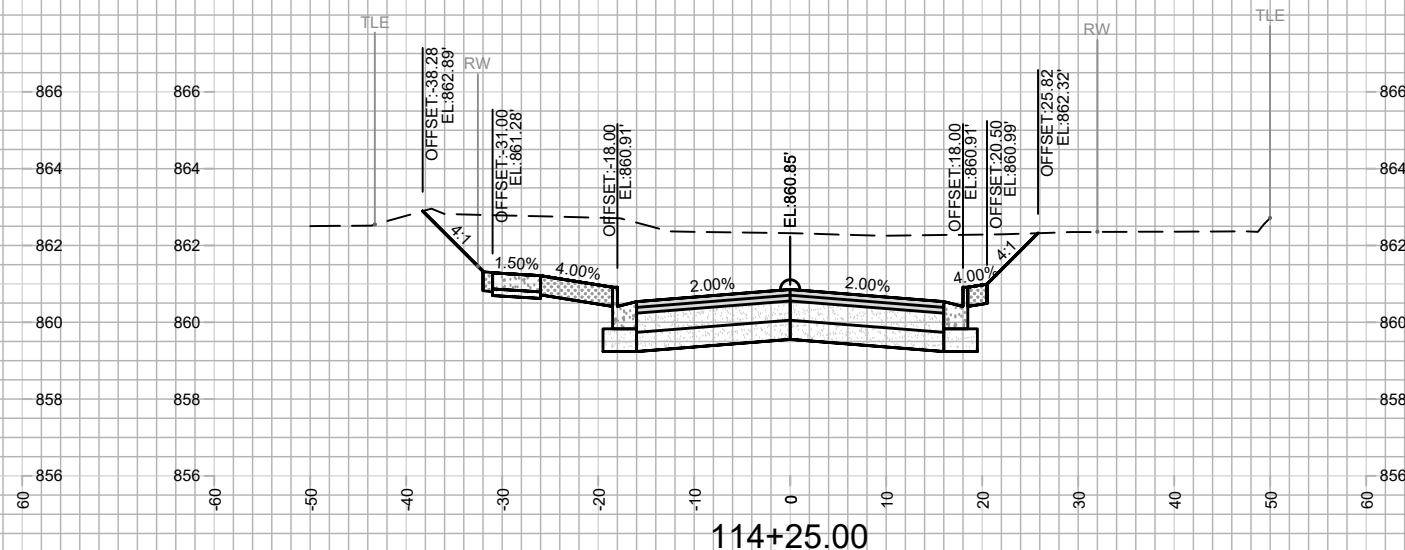
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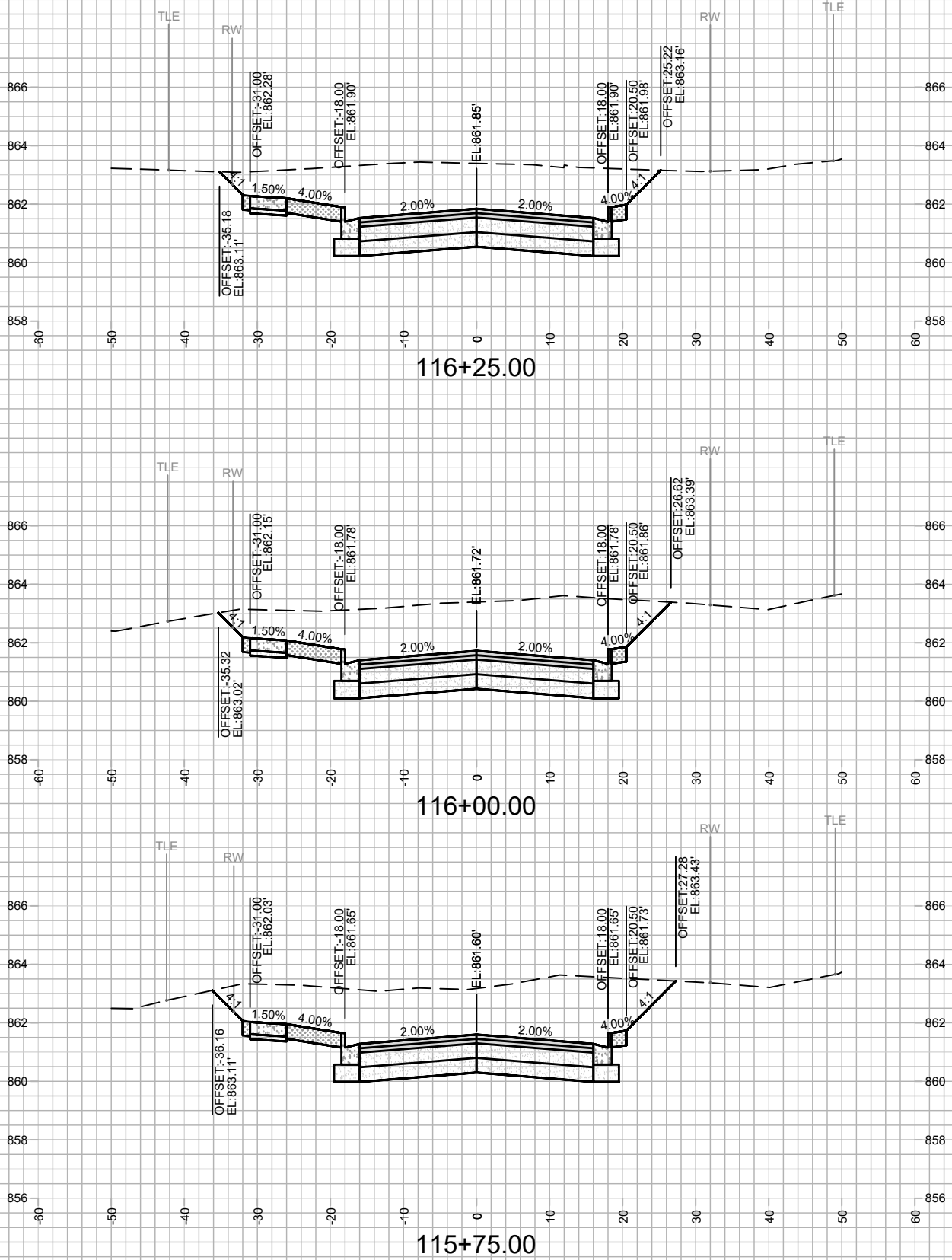
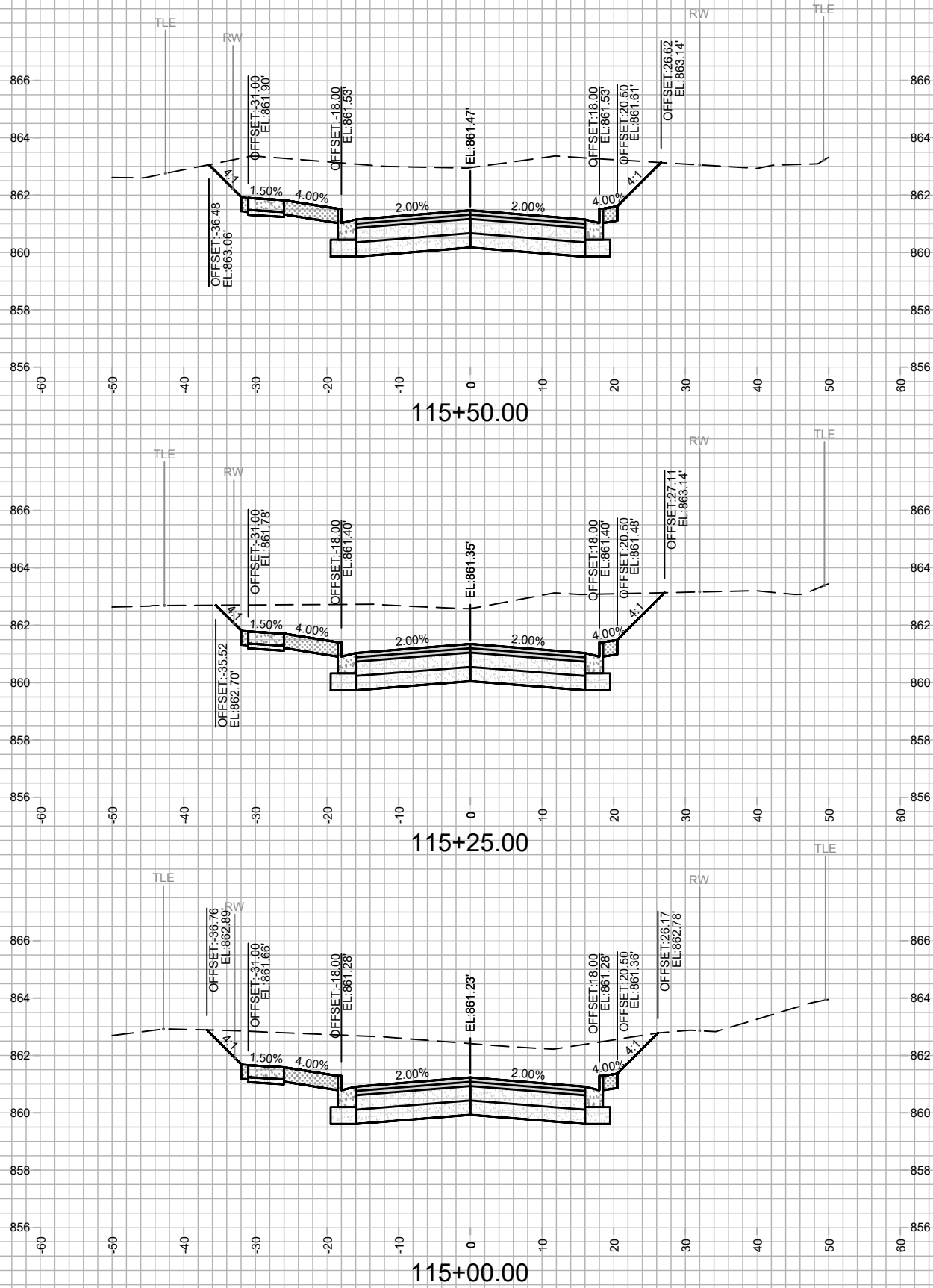
11865
MADISON, WI
CONTRACT NO: 8294

CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)



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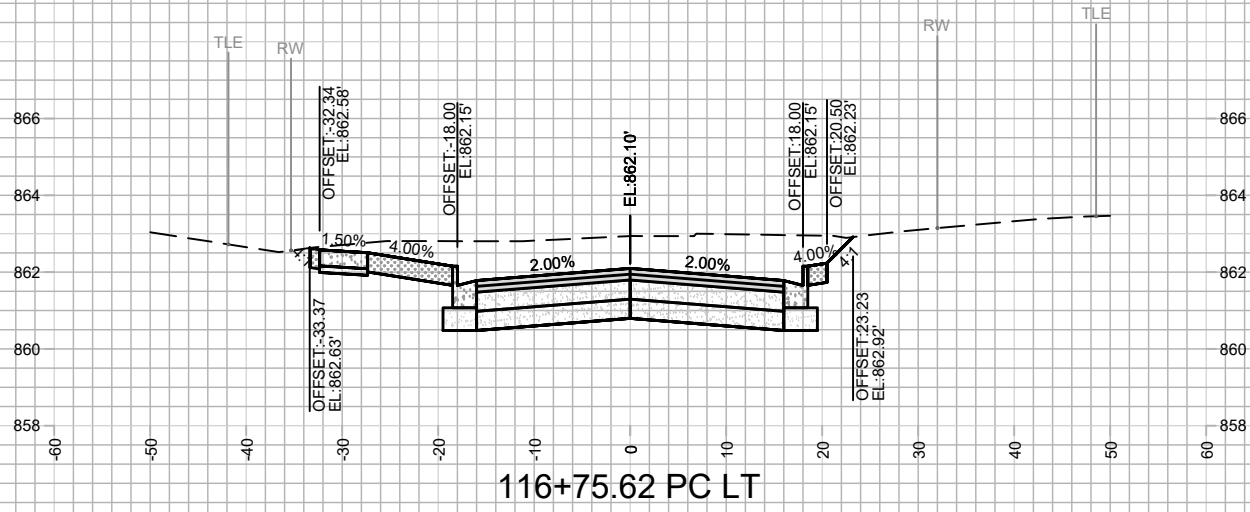


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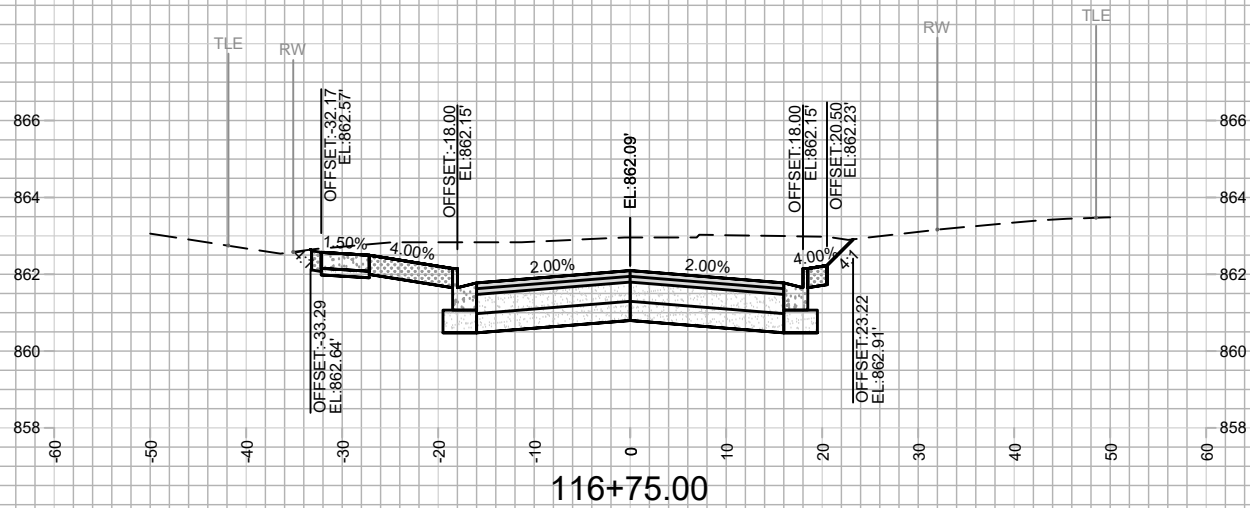
11865
 MADISON, WI
 CONTRACT NO: 8294

CROSS SECTIONS
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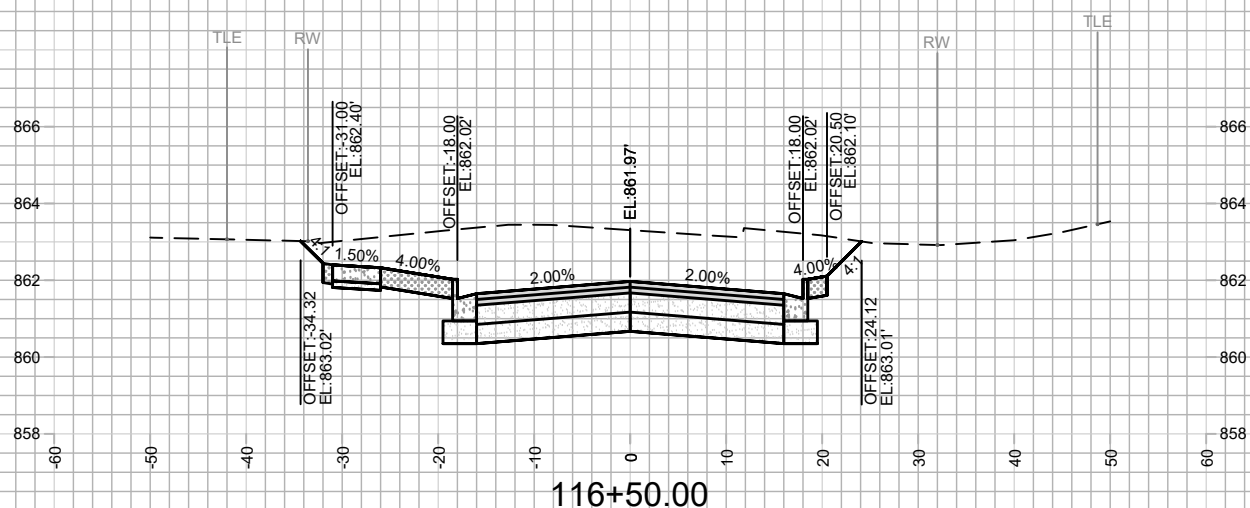




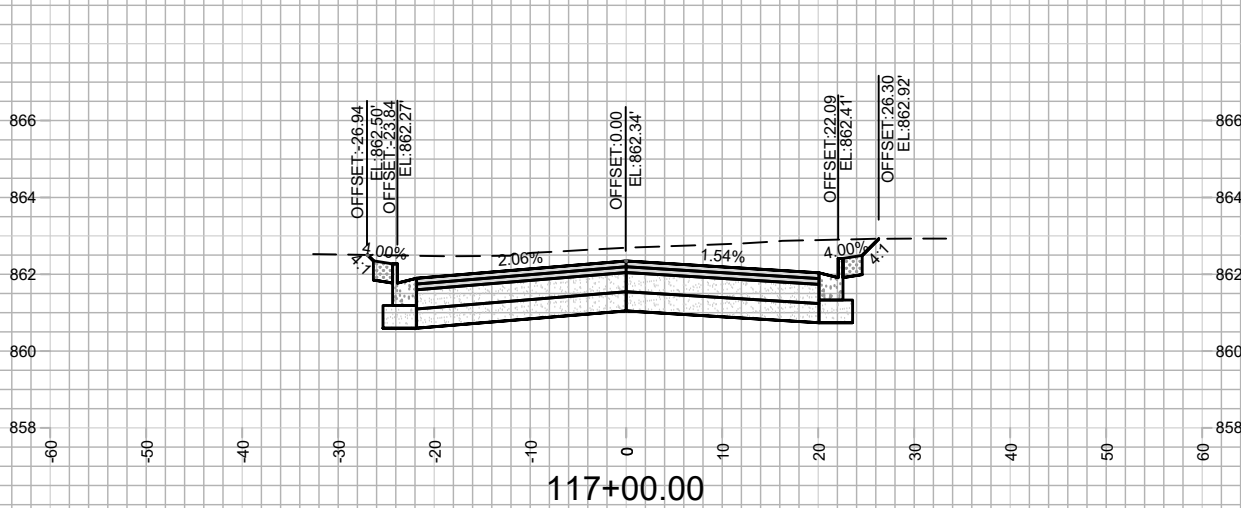
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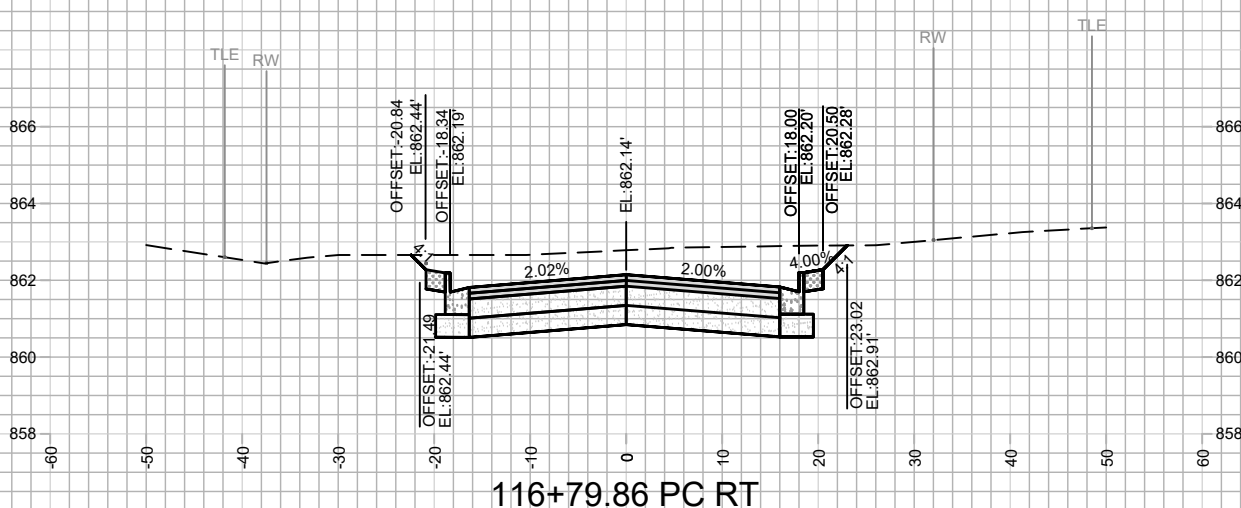
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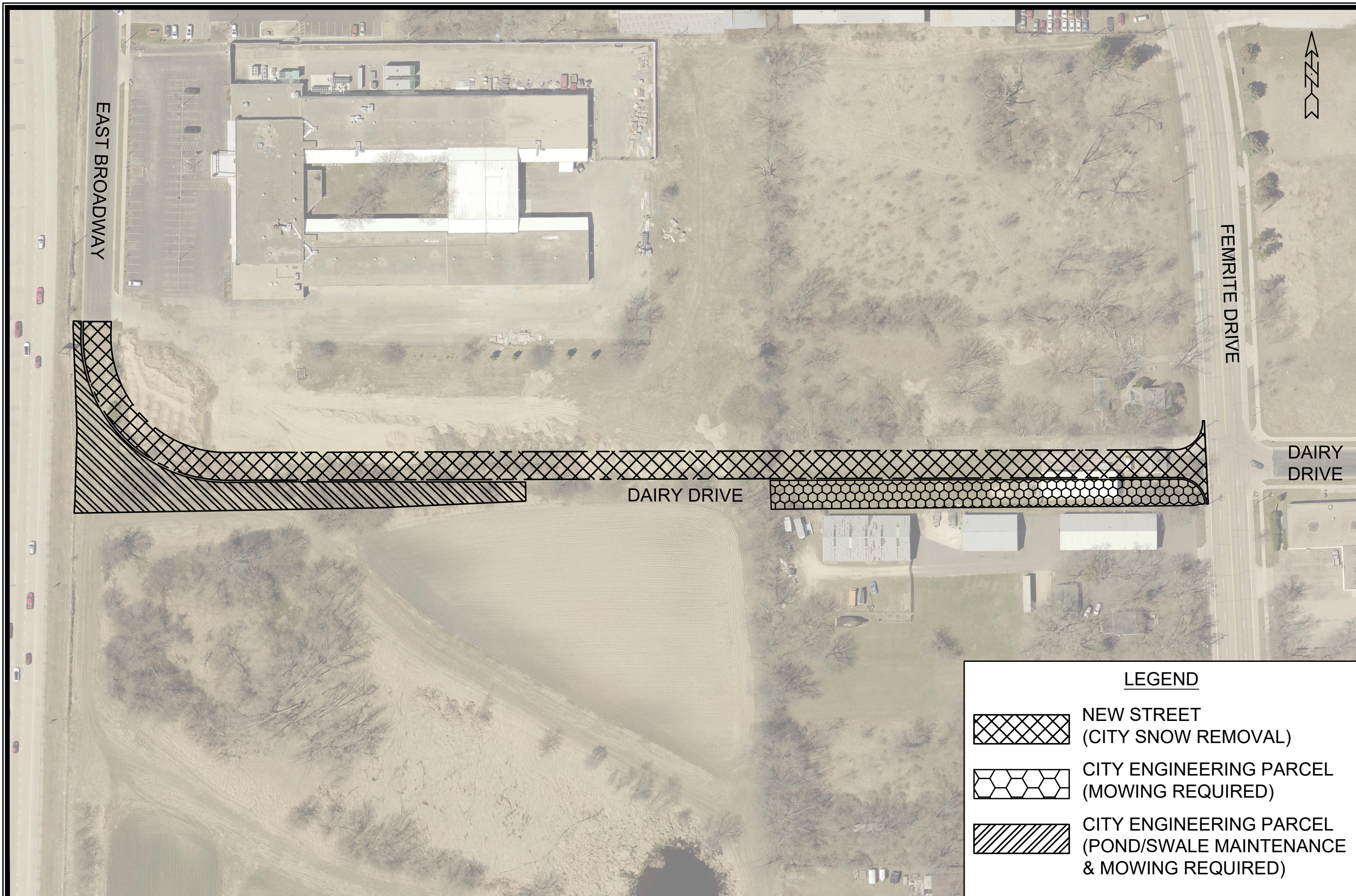
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11865
MADISON, WI
CONTRACT NO: 8294

CROSS SECTIONS
DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
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11865
X-12



EAST BROADWAY

FEMRITE DRIVE

DAIRY DRIVE

DAIRY DRIVE



LEGEND

	NEW STREET (CITY SNOW REMOVAL)
	CITY ENGINEERING PARCEL (MOWING REQUIRED)
	CITY ENGINEERING PARCEL (POND/SWALE MAINTENANCE & MOWING REQUIRED)

MARK	REVISION	DATE	BY

Described By: A.L.Z. Date: 2/7/2020 8:54 AM
 11865 Scale: #####/##

11865
 MADISON, WI
 8294
 CONTRACT NO:

MAINTENANCE MAP
 DAIRY DRIVE (EAST BROADWAY TO FEMRITE DRIVE)
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