

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

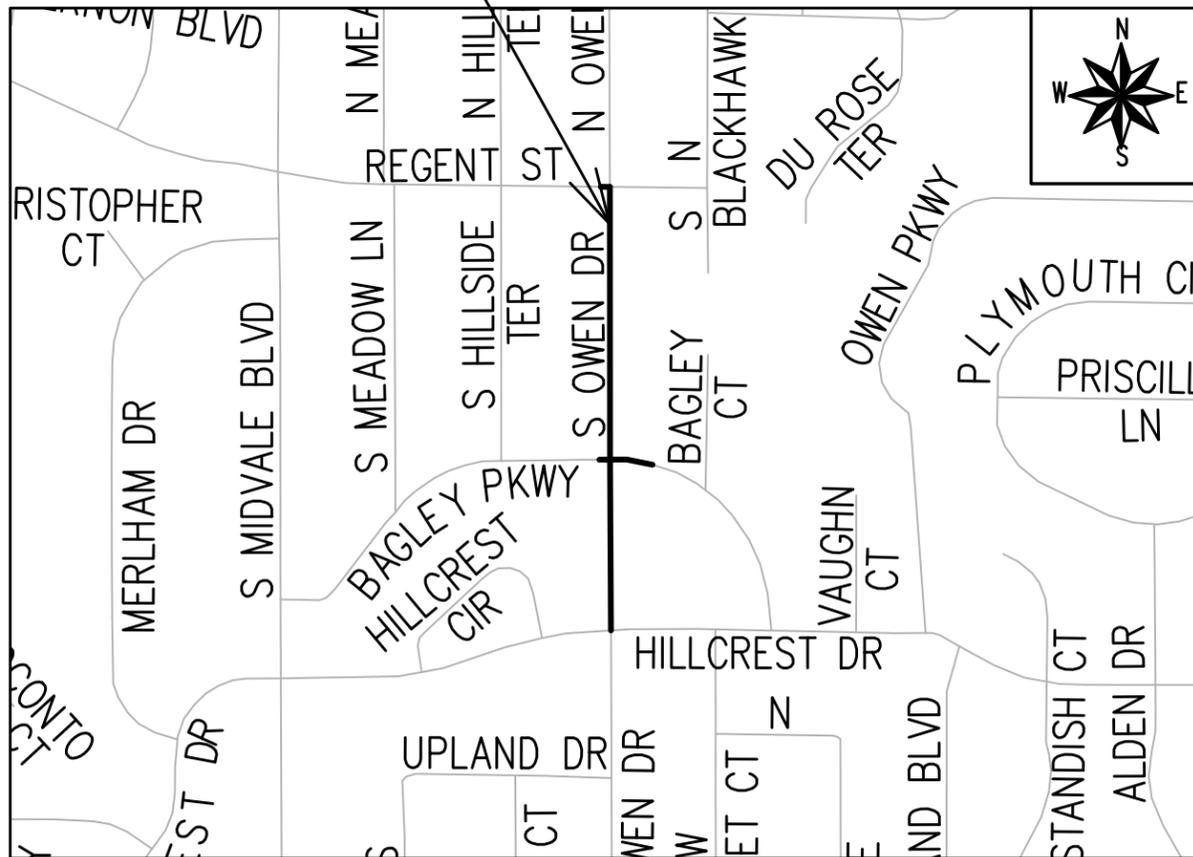
# PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

SHEET NO.	TITLE
1	
D1	TYPICAL SECTIONS & DETAILS
EC1-EC4	EROSION CONTROL PLAN & PROFILES
P1-P4	STREET PLAN & PROFILES
U1-U4	SEWERS PLAN & PROFILES
U5-U7	STORM & SANITARY SEWER SCHEDULE
G11-G12	GREEN INFRASTRUCTURE DETAILS
M1	PAVEMENT MARKING PLAN
X1-X9	CROSS SECTIONS

## S. OWEN DRIVE ASSESSMENT DISTRICT - 2023

**PROJECT LOCATION** CITY PROJECT NO. 14080  
CONTRACT NO. 8710



EARTH WORK SUMMARY:  
EXCAVATION CUT(MEASURED PLAN QUANTITY) = 2810 C.Y.  
ESTIMATED UNDISTRIBUTED UNDERCUT = 240 C.Y.  
TOTAL UNCLASSIFIED EXCAVATION CUT = 3050 C.Y.

CONVENTIONAL SIGNS  
FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	■
COMBUSTIBLE FLUIDS	☀

NOTES:  
- ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.  
- 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% EXCEPT HERE STREET GRADES EXCEED 5.00%.

CITY MAINTENANCE PLAN NOT REQUIRED

PUBLIC IMPROVEMENT PROJECT  
APPROVED

APPROVED DATE: NOVEMBER 22, 2022

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

ENG - Greg Fries Aug 24, 2023  
ENG - Greg Fries (Aug 24, 2023 15:45 CDT)

City Engineer Date

STREET  
DESIGNED BY:



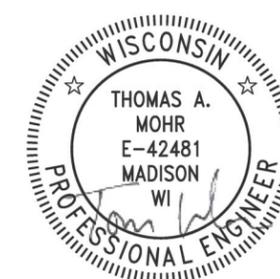
Aug 24, 2023

SANITARY SEWER  
DESIGNED BY:



Aug 24, 2023

PAVEMENT MARKINGS  
& TRAFFIC CONTROL  
DESIGNED BY:

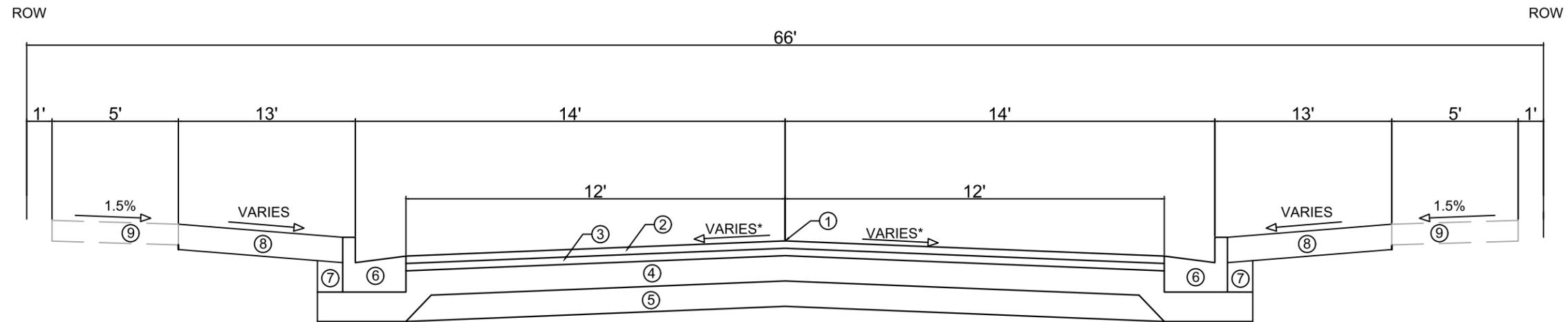


Aug 25, 2023

STORM SEWER  
DESIGNED BY:



Aug 24, 2023



TYPICAL SECTION  
S. OWEN DR

NOT TO SCALE

- ① POINT REFERRED TO ON PROFILE
- ② 2.00" HMA PAVEMENT - TYPE 4 LT 58-28 S
- ③ 2.50" HMA PAVEMENT - TYPE 3 LT 58-28 S
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE
- ⑥ CONCRETE CURB AND GUTTER TYPE 'A', SEE P-SHEETS FOR LOCATIONS
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS WITH 6" TOPSOIL, SEED AND MATTING
- ⑨ 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER

\*SEE CROSS SECTIONS FOR PAVEMENT SLOPE

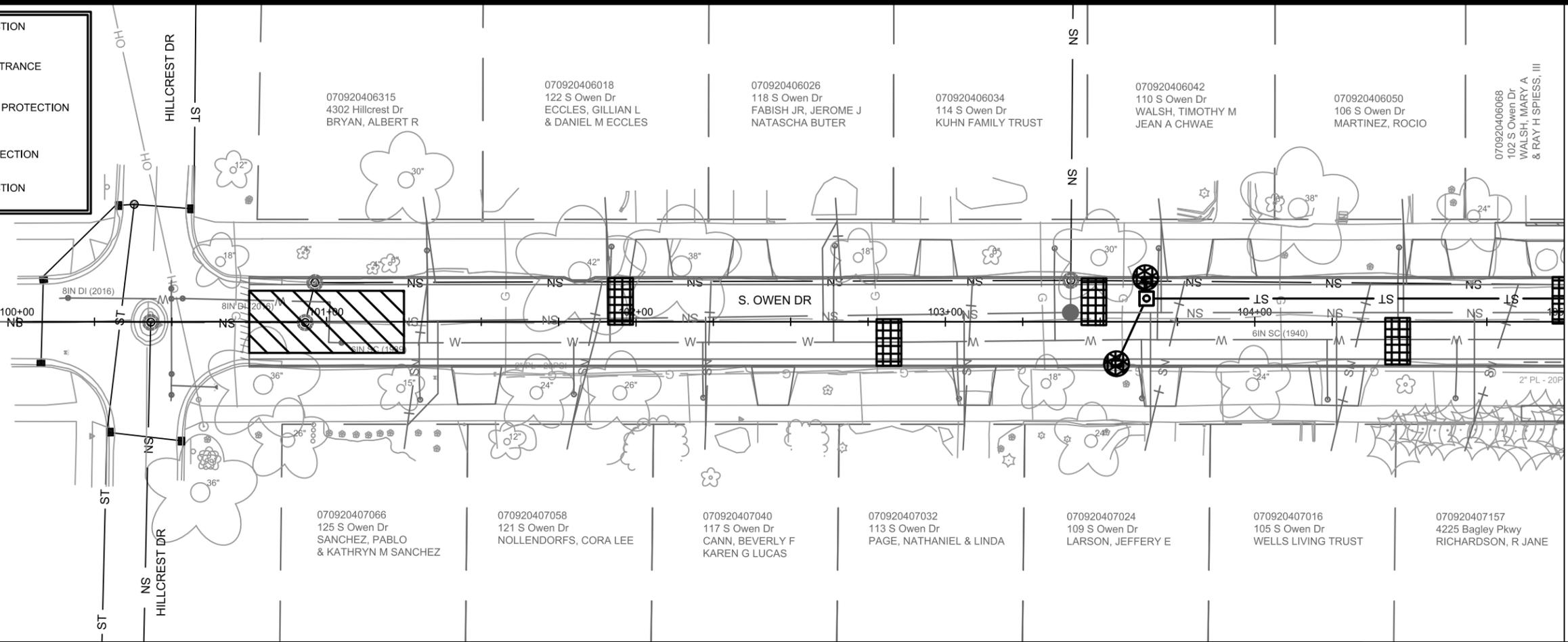
MARK	REVISION	DATE	BY

14080  
MADISON, WI  
CONTRACT NO: 8710

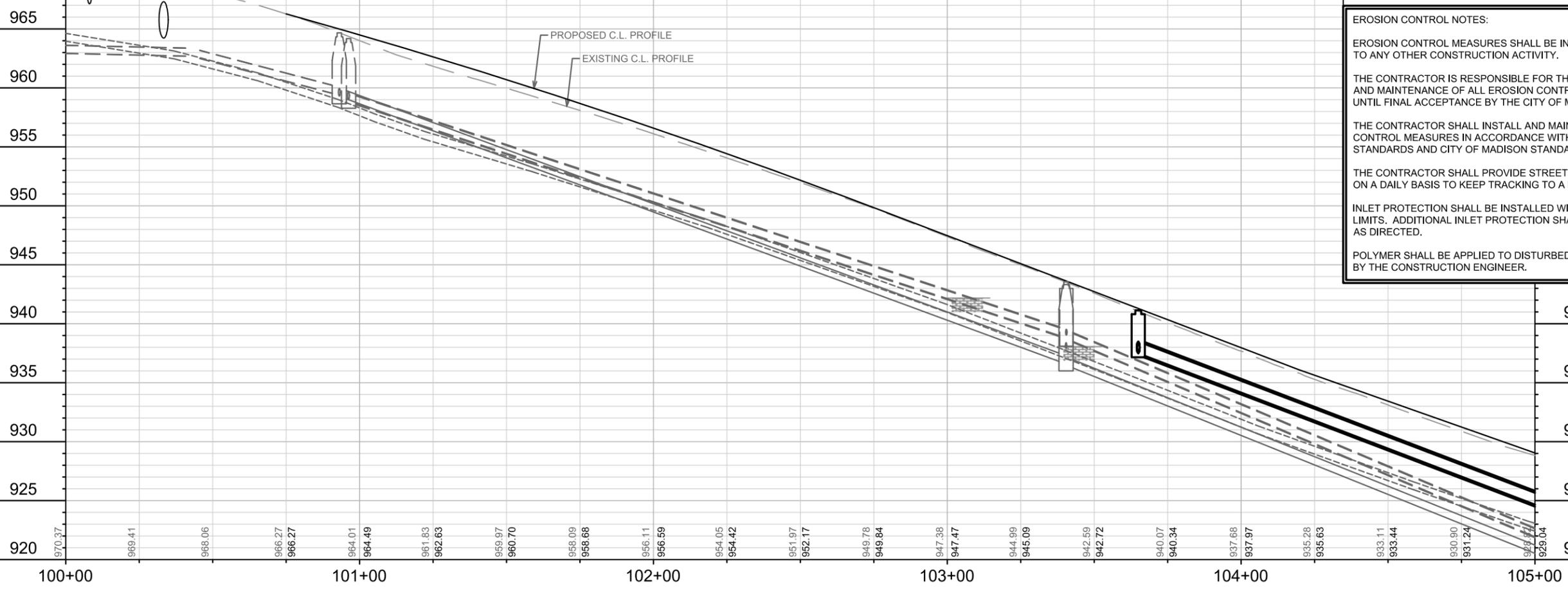
TYPICAL SECTIONS  
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023  
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	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
	RIGID FRAME INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM



MATCH LINE 105+00.00



**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.

14080	14080	8710	EC-1
EROSION CONTROL - OWEN DRIVE		CONTRACT NO:	
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023		MADISON, WI	
M:\DESIGN\Projects\14080\CAD\Drawings\14080EC-Erosion Control.dwg		Scale: 1" = 40'	
		DATE: 8/23/2023 3:17 PM DESIGNED BY: KDF MARK: 14080 REVISION: EC-1 BY:	



MATCH LINE 110+00.00

070920403204  
18 S Owen Dr  
NEWMAN, FRED M  
CAROLYN M HEGELER

070920403212  
14 S Owen Dr  
KRZAK, JAMES R  
& JENNIFER A KRZAK

070920403220  
10 S Owen Dr  
HOESE, DAVID  
TESS HOESE

070920403238  
6 S Owen Dr  
CUDNOHFSKY, MARY E  
& RIC S CAMPBELL

070920403246  
2 S Owen Dr  
KLINGE, THOMAS

070920402131  
19 S Owen Dr  
MICHAELIS, BRUCE A

070920402123  
15 S Owen Dr  
IGNJATOVIC, MELANIE M  
JEFFREY G BOLDT

070920402115  
9 S Owen Dr  
POPP JR, THOMAS G

070920402107  
5 S Owen Dr  
CAMPBELL REV LIVING TR, J

070920402090  
1 S Owen Dr  
STRAUSS III, ROBERT W

INSTALL 25' OF 8" SILT SOCK  
AROUND TERRACE INLET TYPE 2

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE C INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM



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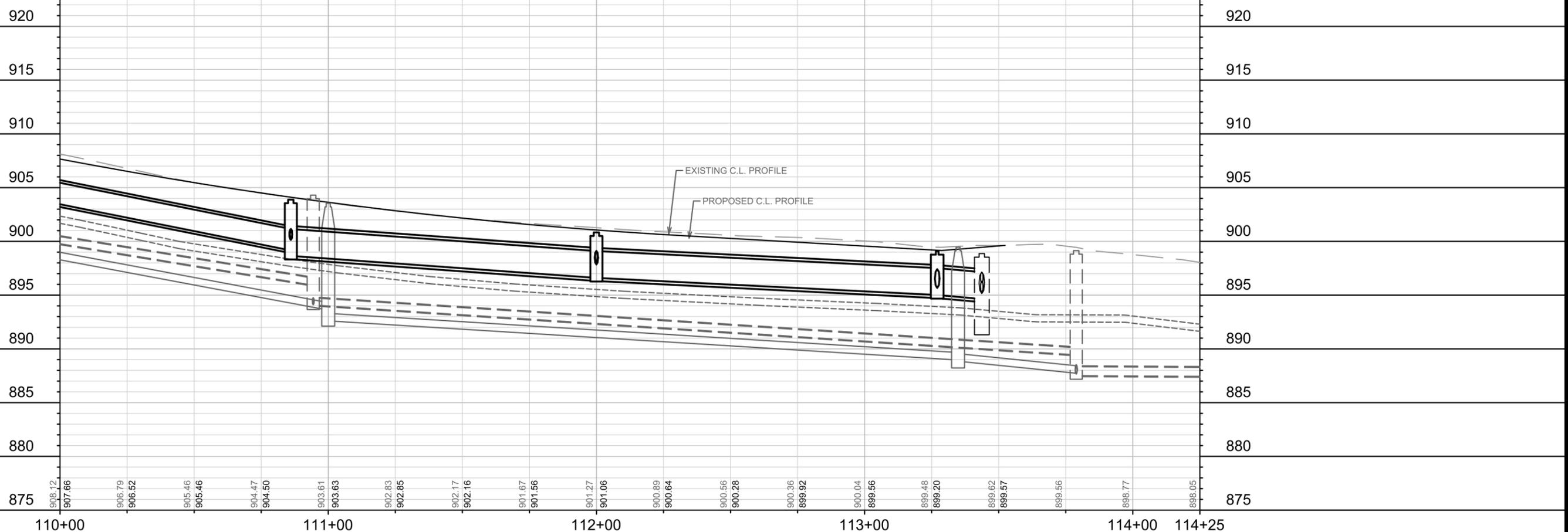
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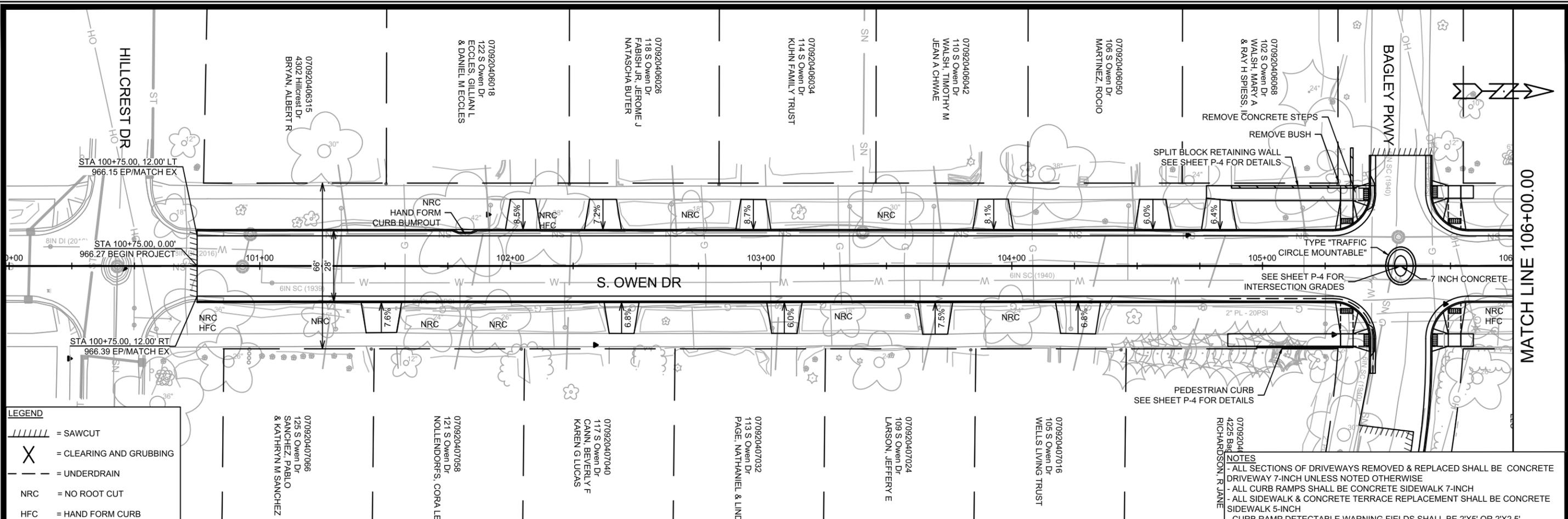


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14080  
MADISON, WI  
CONTRACT NO: 8710

EROSION CONTROL - OWEN DRIVE  
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023  
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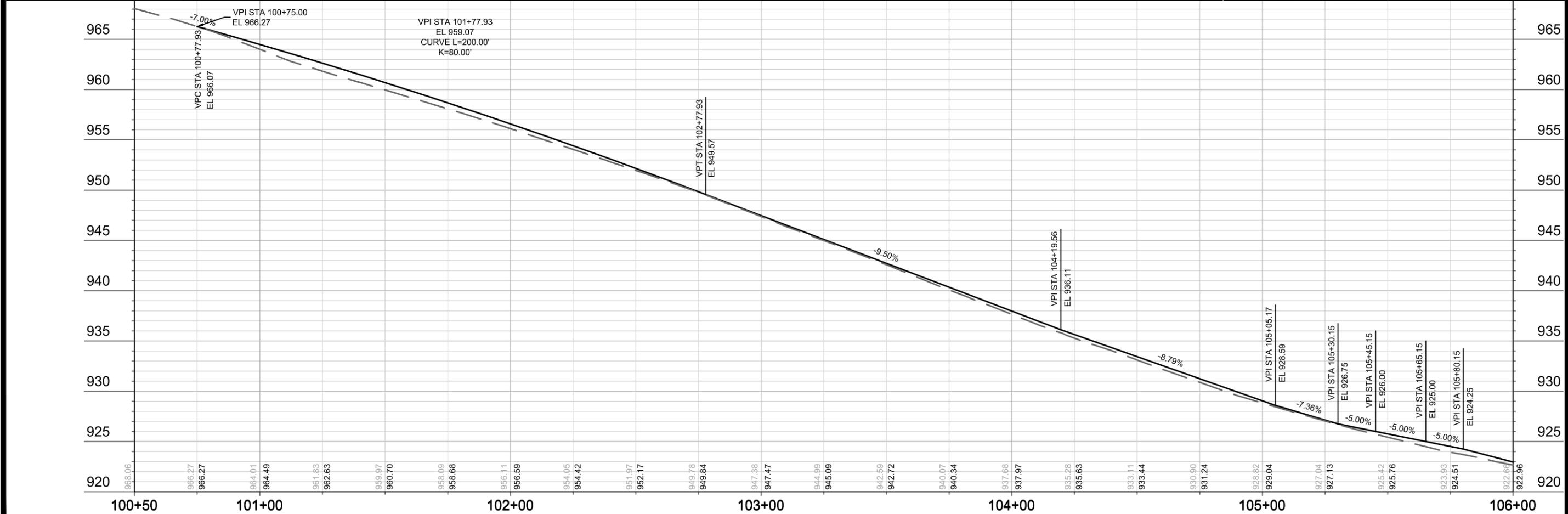


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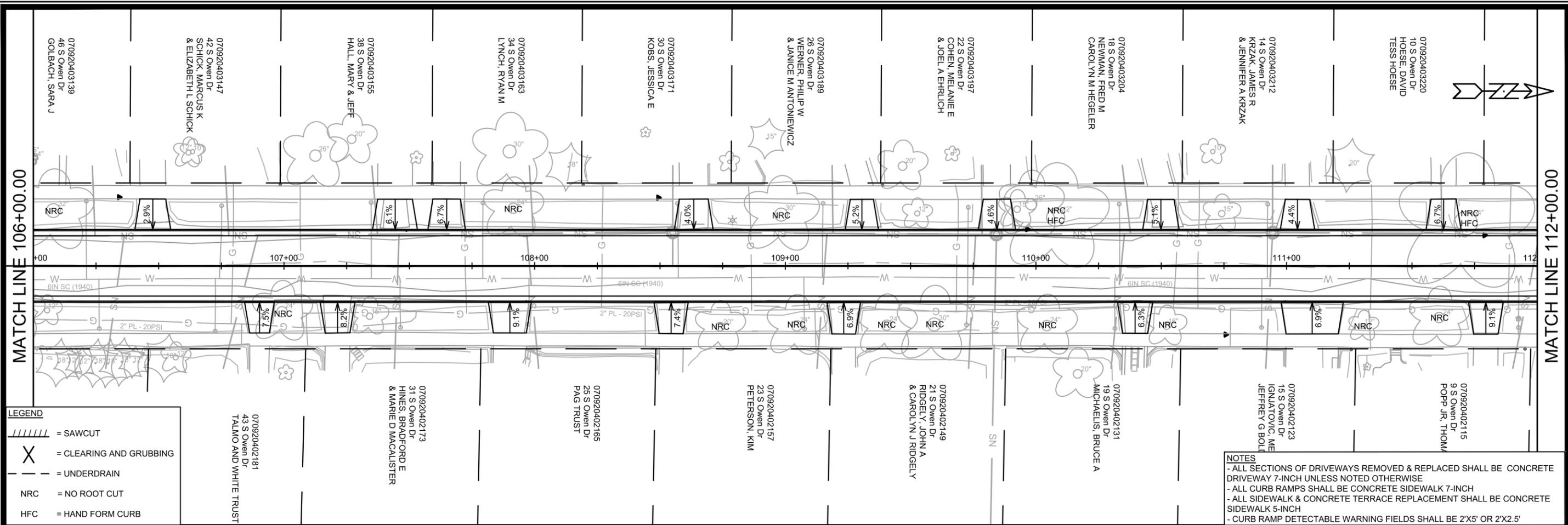
- = SAWCUT
- = CLEARING AND GRUBBING
- = UNDERDRAIN
- NRC = NO ROOT CUT
- HFC = HAND FORM CURB

**NOTES**

- ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH
- ALL SIDEWALK & CONCRETE TERRACE REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH
- CURB RAMP DETECTABLE WARNING FIELDS SHALL BE 2'X5' OR 2'X2.5'



14080	MADISON, WI	CONTRACT NO: 8710	P-1
STREET PLAN & PROFILE - S. OWEN DR			
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023			
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14080		P-1	

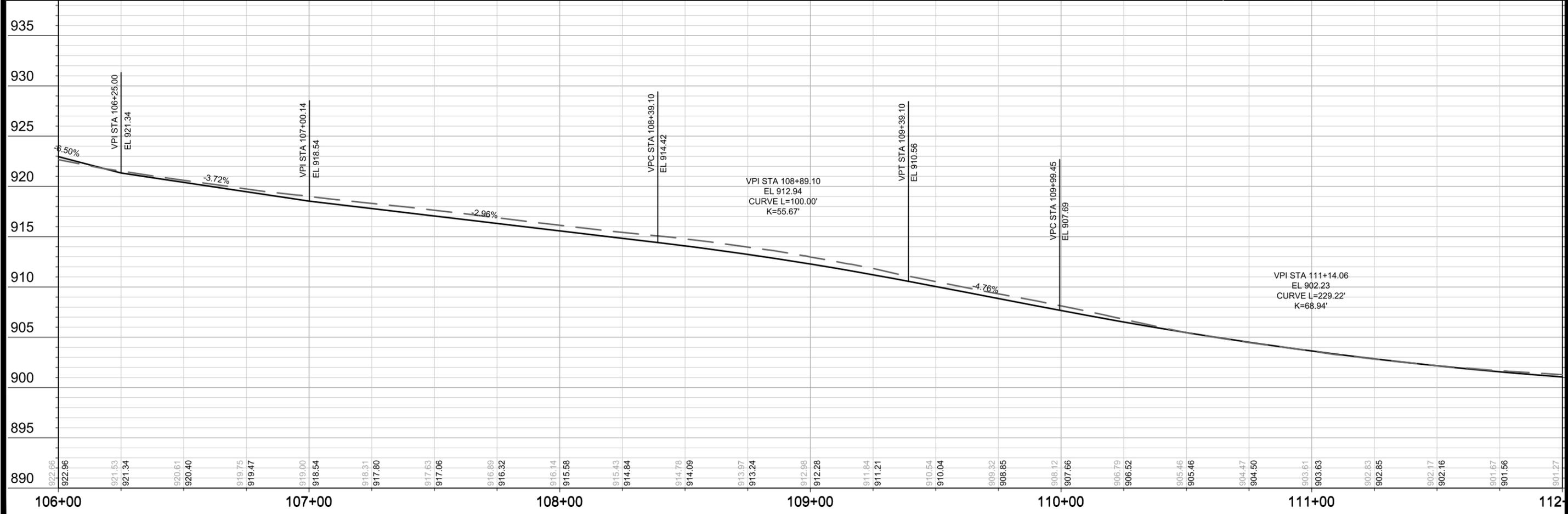


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MATCH LINE 106+00.00

MATCH LINE 112+00.00

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14080  
MADISON, WI  
CONTRACT NO: 8710

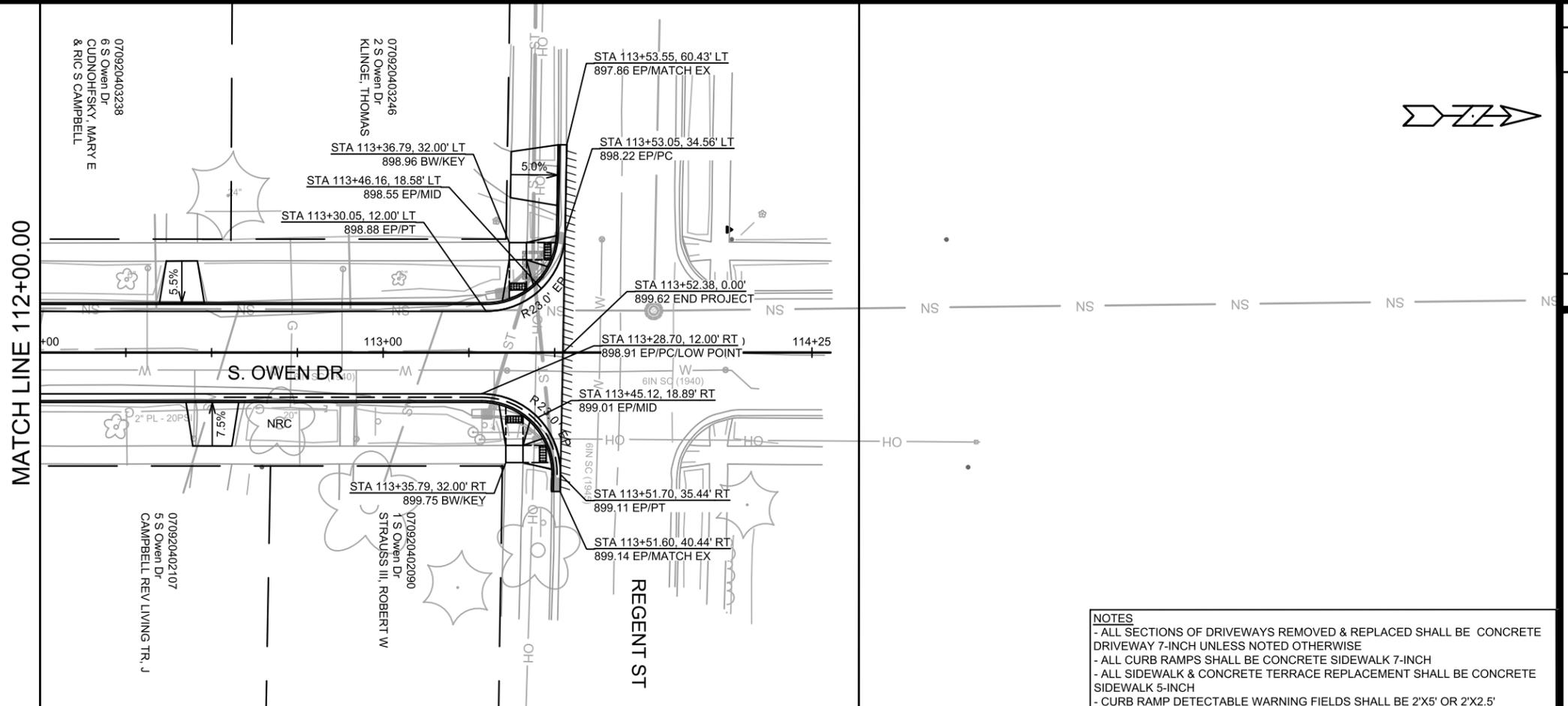
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S. OWEN DRIVE ASSESSMENT DISTRICT - 2023  
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14080  
P-2

**LEGEND**

	= SAWCUT
	= CLEARING AND GRUBBING
	= UNDERDRAIN
NRC	= NO ROOT CUT
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**NOTES**

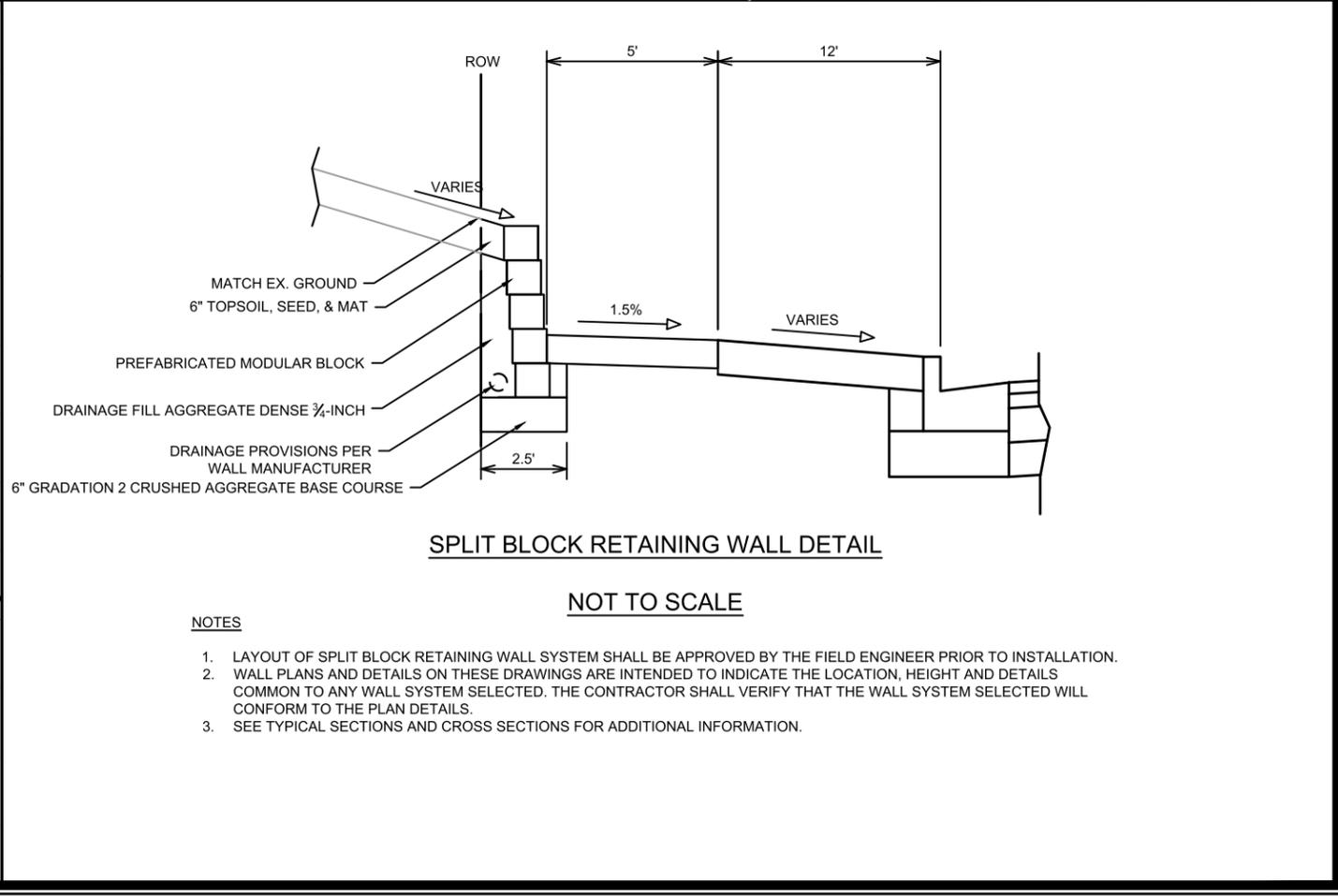
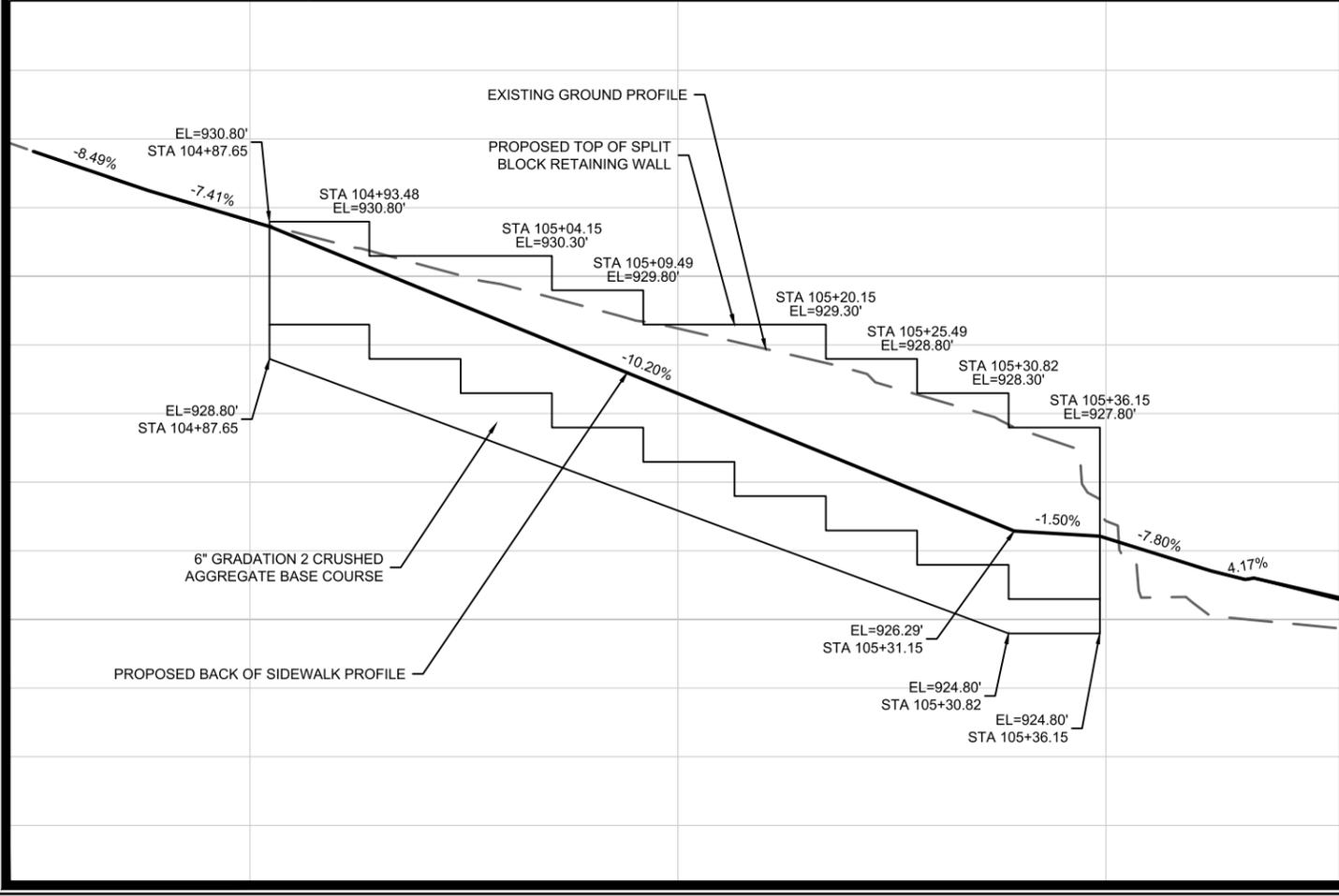
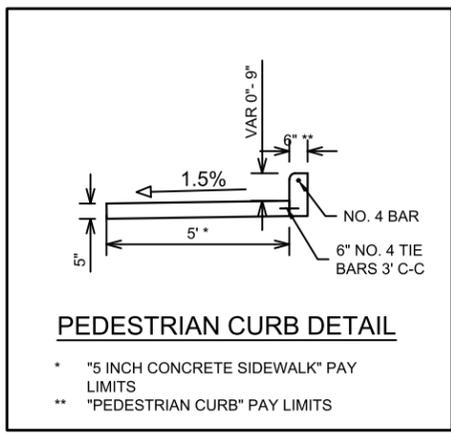
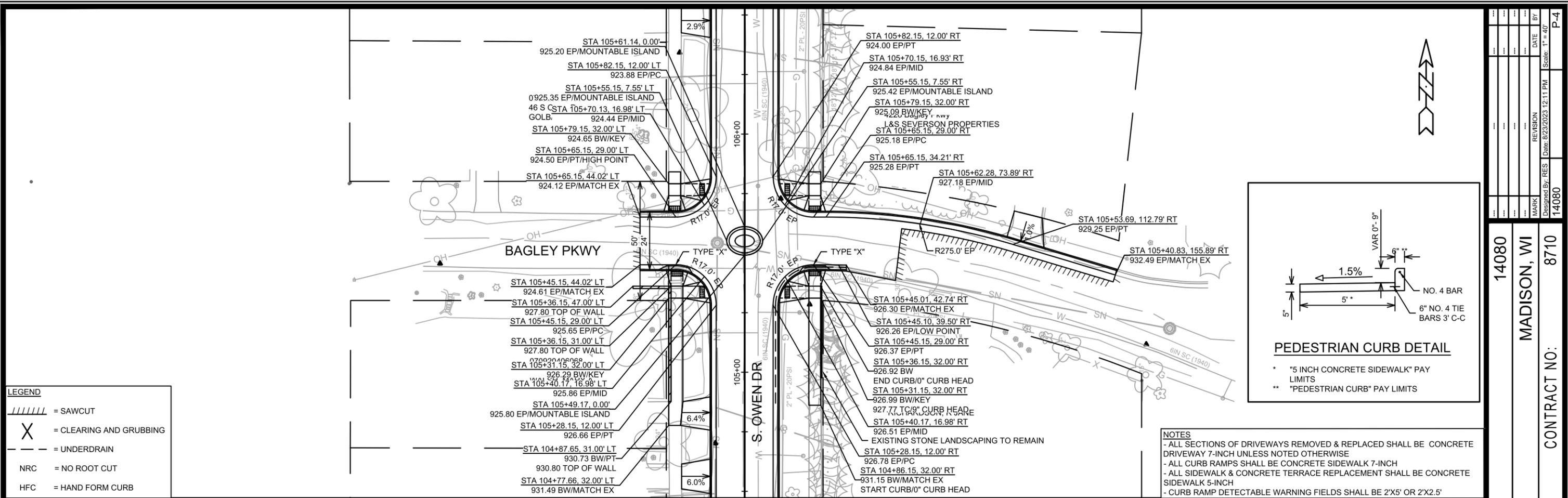
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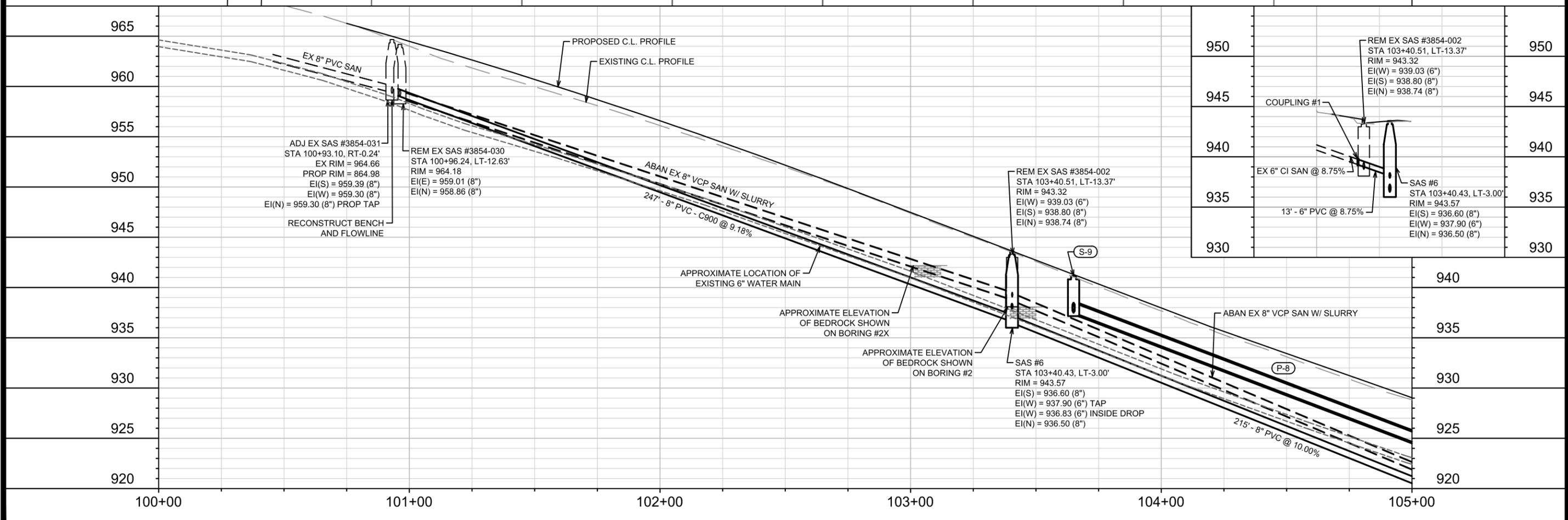
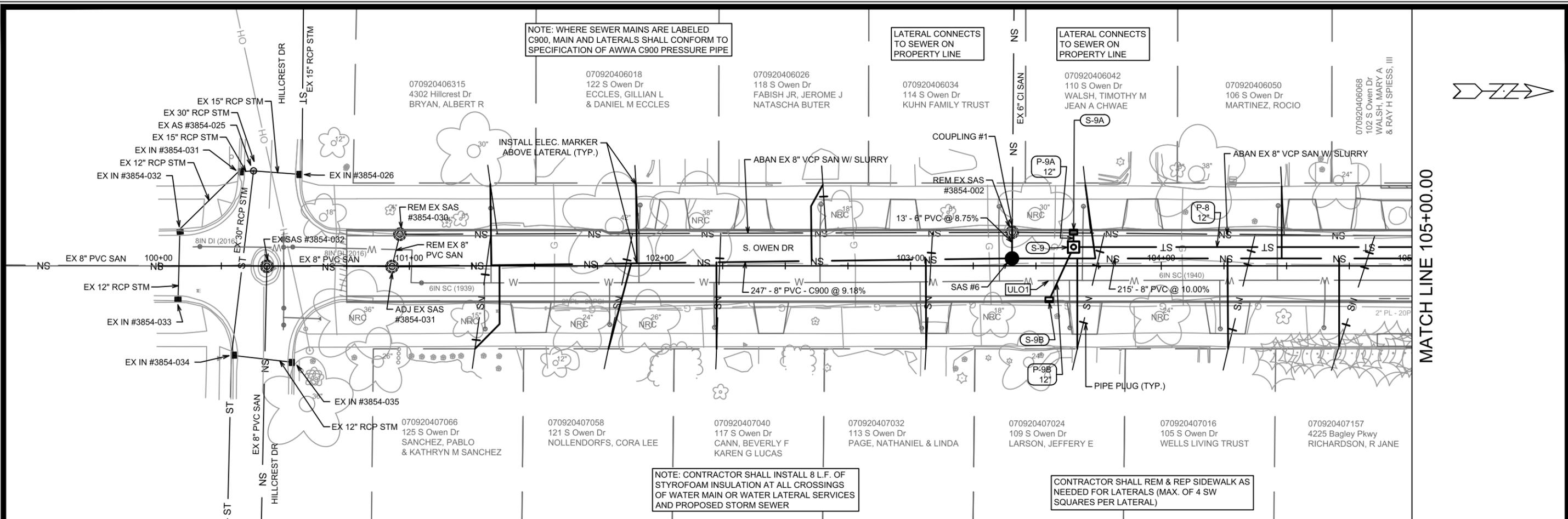
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MADISON, WI  
CONTRACT NO: 8710  
STREET PLAN & PROFILE - S. OWEN DR  
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023  
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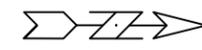
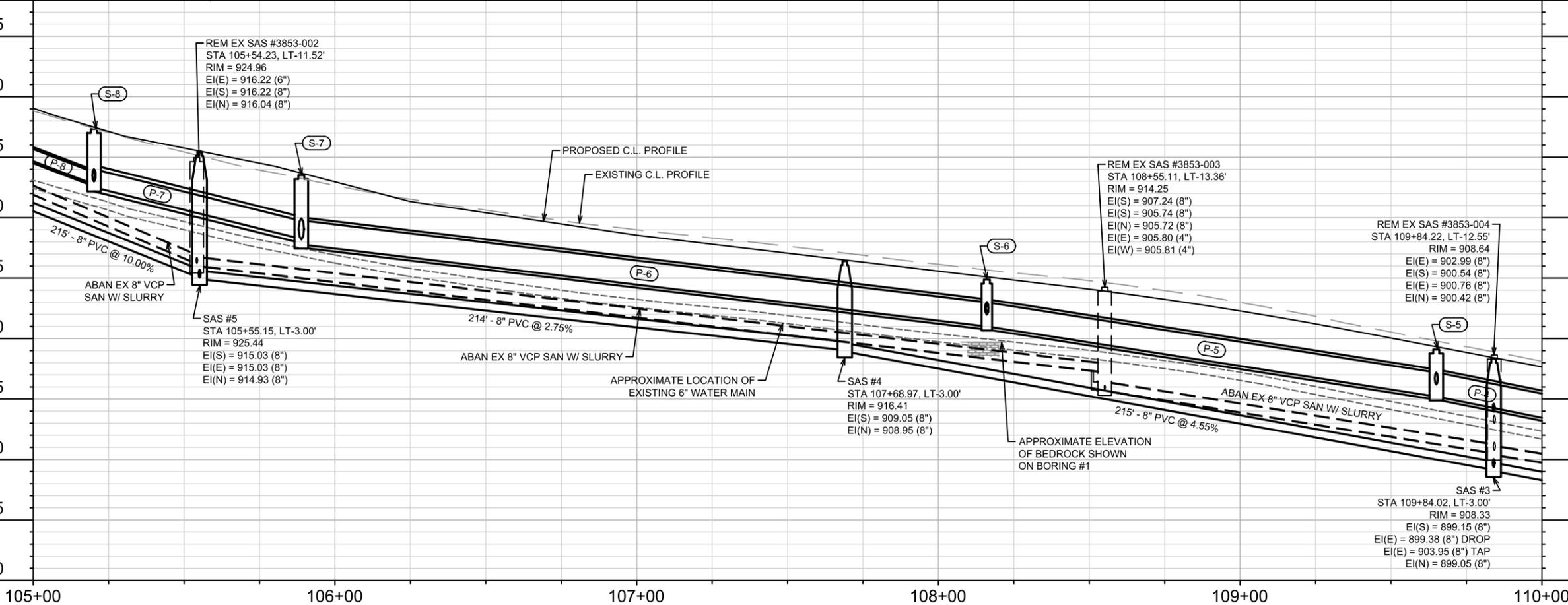
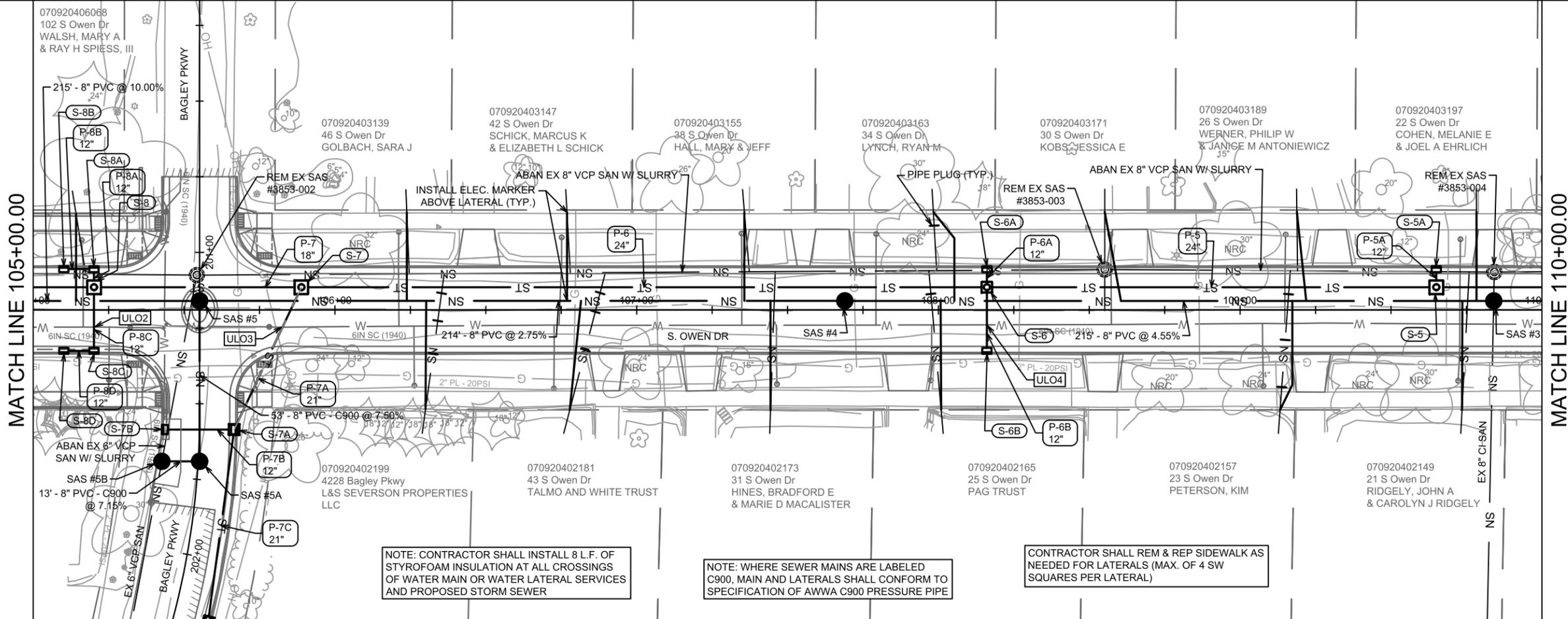
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CONTRACT NO:	8710
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S. OWEN DRIVE ASSESSMENT DISTRICT - 2023	MADISON, WI
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CITY OF MADISON WISCONSIN	
14080	
P-4	



14080	8710	U-1
MADISON, WI	CONTRACT NO:	U-1
SEWER PLAN & PROFILE - OWEN DR	14080	U-1
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023	8710	U-1
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14080

U-1



MATCH LINE 105+00.00

MATCH LINE 110+00.00

NOTE: CONTRACTOR SHALL INSTALL 8 L.F. OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER

NOTE: WHERE SEWER MAINS ARE LABELED C900, MAIN AND LATERALS SHALL CONFORM TO SPECIFICATION OF AWWA C900 PRESSURE PIPE

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

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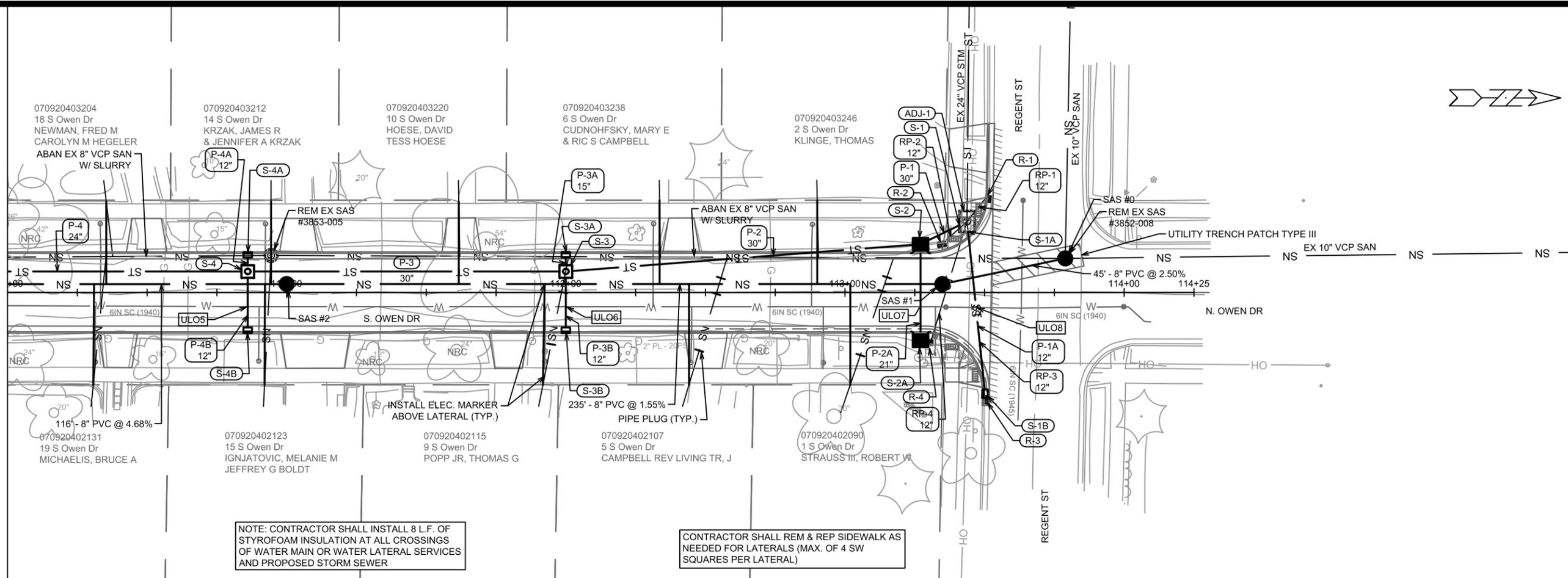
14080  
MADISON, WI  
CONTRACT NO: 8710

SEWER PLAN & PROFILE - OWEN DR  
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023  
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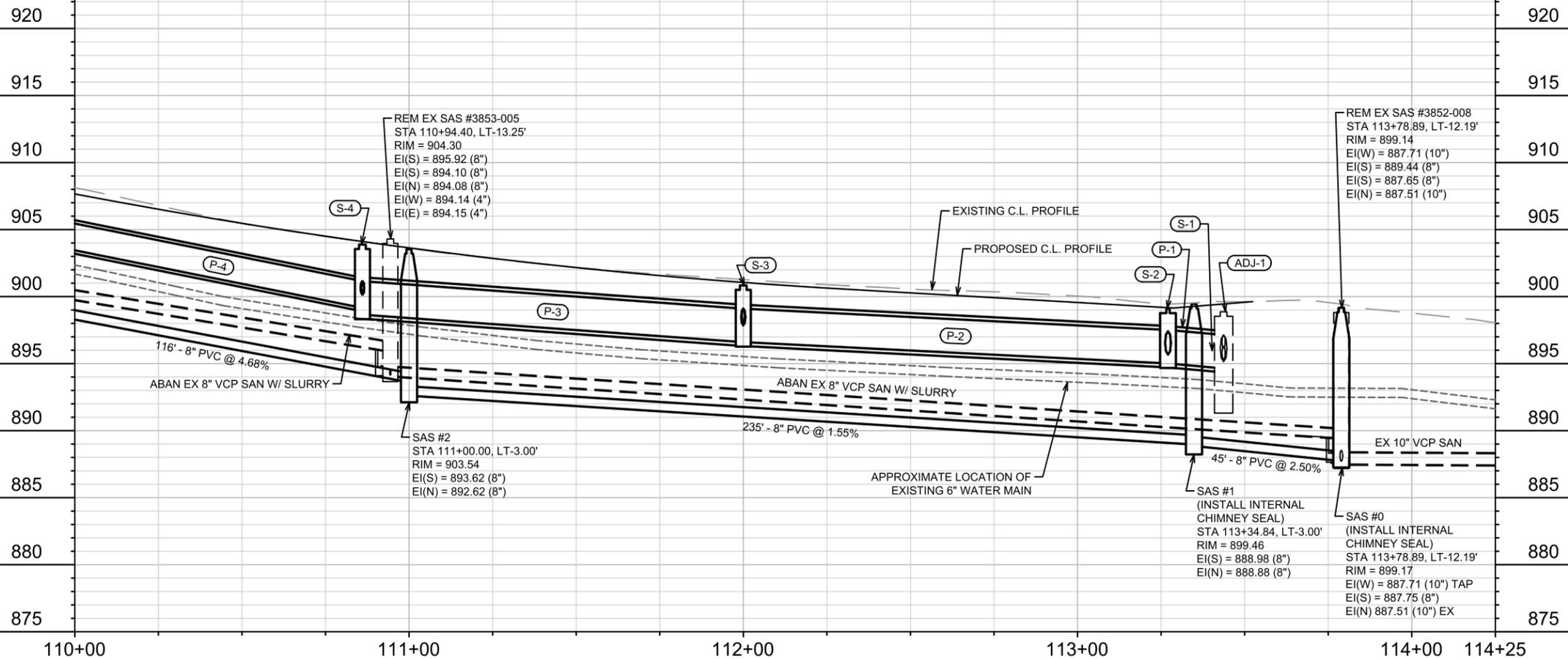
14080  
U-2

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14080

MADISON, WI

CONTRACT NO: 8710

SEWER PLAN & PROFILE - OWEN DR

S. OWEN DRIVE ASSESSMENT DISTRICT - 2023

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14080

U-3

070920403147  
42 S Owen Dr  
SCHICK, MARCUS K  
& ELIZABETH L SCHICK

070920403139  
46 S Owen Dr  
GOLBACH, SARA J

070920406068  
102 S Owen Dr  
WALSH, MARY A  
& RAY H SPIESS, III

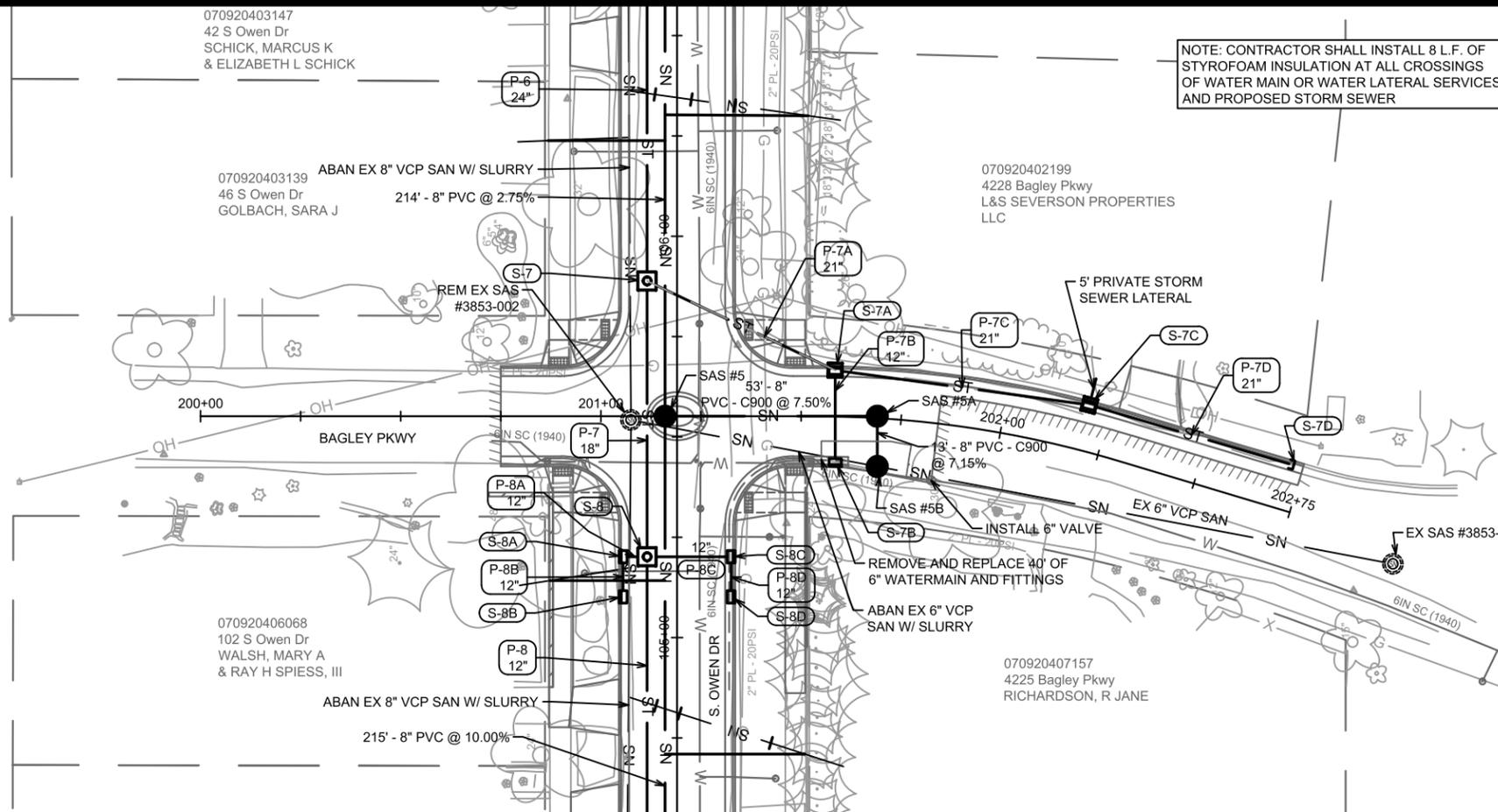
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L&S SEVERSON PROPERTIES  
LLC

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4225 Bagley Pkwy  
RICHARDSON, R JANE

NOTE: CONTRACTOR SHALL INSTALL 8 L.F. OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER

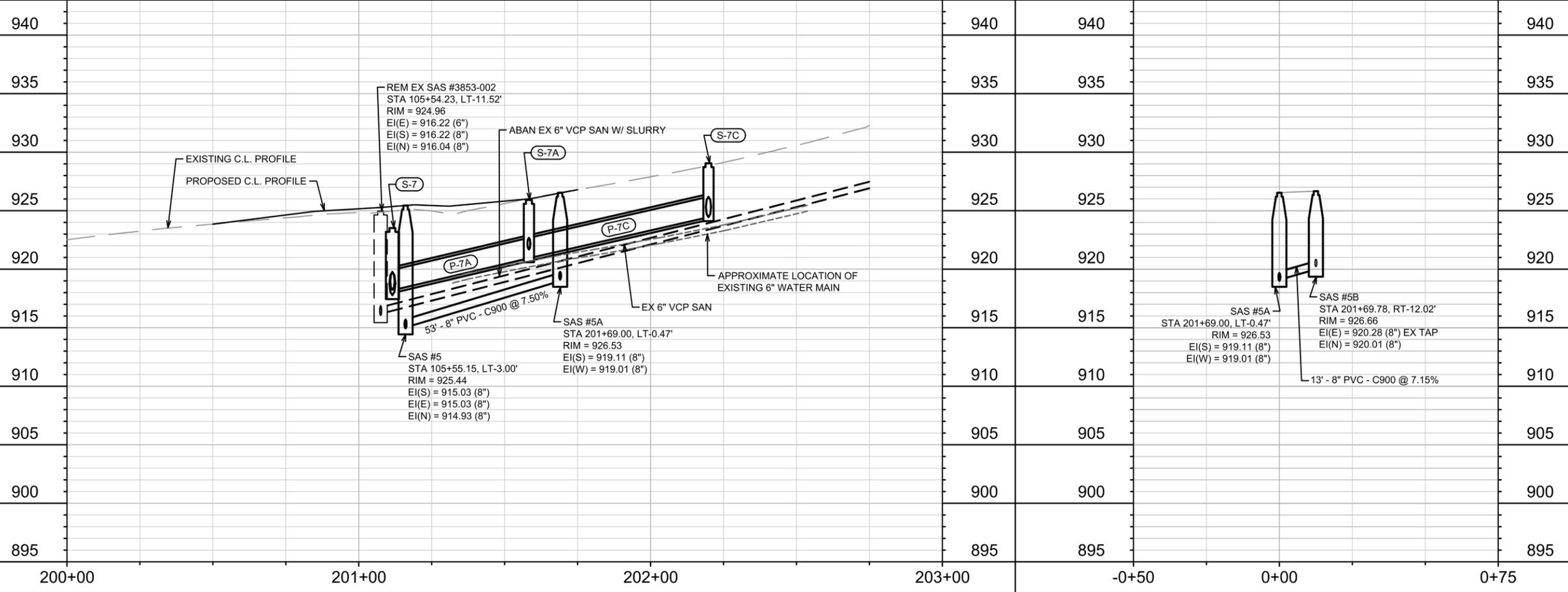
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NOTE: WHERE SEWER MAINS ARE LABELED C900, MAIN AND LATERALS SHALL CONFORM TO SPECIFICATION OF AWWA C900 PRESSURE PIPE



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MADISON, WI  
CONTRACT NO: 8710



SEWER PLAN & PROFILE - BAGLEY CT  
S. OWEN DRIVE ASSESSMENT DISTRICT - 2023  
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U-4

# SANITARY SEWER SCHEDULE

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OWEN DRIVE</b>						
SAS #0	113+78.89	LT-12.19	899.17	887.51	11.66	[1]
SAS #1	113+34.84	LT-3.00	899.46	888.88	10.58	[1]
SAS #2	111+00.00	LT-3.00	903.54	892.62	10.92	-
SAS #3	109+84.02	LT-3.00	908.33	899.05	9.28	-
SAS #4	107+68.97	LT-3.00	916.41	908.95	7.46	-
SAS #5	105+55.15	LT-3.00	925.44	914.93	10.51	-
SAS #6	103+40.43	LT-3.00	943.57	936.50	7.07	-
<b>BAGLEY PARKWAY</b>						
SAS #5A	201+69.00	LT-0.47	926.53	919.01	7.52	-
SAS #5B	201+69.78	RT-12.02	926.66	920.01	6.65	-

## SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OWEN DRIVE</b>						
SAS #3854-030	100+96.24	LT-12.63	964.18	958.86	5.32	-
SAS #3854-002	103+40.51	LT-13.37	943.32	938.74	4.58	-
SAS #3853-002	105+54.23	LT-11.52	924.96	916.04	8.92	-
SAS #3853-003	108+55.11	LT-13.36	914.25	905.72	8.53	-
SAS #3853-004	109+84.22	LT-12.55	908.64	900.42	8.22	-
SAS #3853-005	110+94.40	LT-13.25	903.55	894.08	9.47	-
SAS #3852-008	113+78.89	LT-12.19	899.14	887.51	11.63	-

## SANITARY STRUCTURES ADJUSTMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	PROP ELEV.	ADJUST DIFF.	NOTES
<b>OWEN DRIVE</b>						
SAS #3854-031	100+93.10	RT-0.24	964.66	964.98	0.32	-

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>OWEN DRIVE</b>								
SAS #0	SAS #1	887.75	888.88	45	2.50%	8"	SDR-35	-
SAS #1	SAS #2	888.98	892.62	235	1.55%	8"	SDR-35	-
SAS #2	SAS #3	893.62	899.05	116	4.68%	8"	SDR-35	-
SAS #3	SAS #4	899.15	908.95	215	4.55%	8"	SDR-35	-
SAS #4	SAS #5	909.05	914.93	214	2.75%	8"	SDR-35	-
SAS #5	SAS #6	915.03	936.50	215	10.00%	8"	SDR-35	-
SAS #6	COUPLING #1	937.90	939.03	13	8.75%	6"	SDR-35	[2]
SAS #6	SAS #3854-031	936.60	959.30	247	9.18%	8"	C900	-
<b>BAGLEY PARKWAY</b>								
SAS #5	SAS #5A	915.03	919.01	53	7.50%	8"	C900	-
SAS #5A	SAS #5B	919.11	920.01	13	7.15%	8"	C900	-

## SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
<b>OWEN DRIVE</b>						
SAS #3854-030	SAS #3854-031	13	PVC	8	Y	-

## SANITARY PIPE ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
<b>OWEN DRIVE</b>						
SAS #3854-002	SAS #3854-030	240.5	VCP	8"	Y	W/ SLURRY
SAS #3853-002	SAS #3854-002	210	VCP	8"	Y	W/ SLURRY
SAS #3853-003	SAS #3853-002	297	VCP	8"	Y	W/ SLURRY
SAS #3853-004	SAS #3853-003	125	VCP	8"	Y	W/ SLURRY
SAS #3853-005	SAS #3853-004	106	VCP	8"	Y	W/ SLURRY
<b>BAGLEY PARKWAY</b>						
SAS #3853-002	SAS #5B	48	VCP	6"	Y	W/ SLURRY

## SPECIFIC NOTES

- [1] INSTALL RIGID INTERNAL CHIMNEY SEAL IN ACCORDANCE WITH SDD 5.7.17
- [2] PIPE PAID FOR UNDER BID ITEM 50352 - 6 INCH SANITARY SEWER LATERAL

# STORM SEWER SCHEDULE

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>OWEN DRIVE</b>							
S-1A	113+43.70	LT-25.40	TAP	-	896.14	-	-
S-1B	113+50.17	RT-36.18	H INLET	899.58	896.45	3.13	W/R-3067-7004-V
S-1	113+43.70	LT-25.40	TAP	-	894.64	-	-
S-2	113+27.06	LT-17.28	TERR INLET 2	899.10	895.01	4.09	FP
S-2A	113+27.05	RT-17.28	TERR INLET 2	899.10	895.84	3.26	FP
S-3	111+99.98	LT-7.50	4X4 SAS	900.83	896.60	4.23	FP, W/1550-0054
S-3A	111+99.98	LT-13.50	H INLET	901.07	897.88	3.19	W/R-3067-7004-V
S-3B	111+99.98	RT-13.50	H INLET	901.79	898.21	3.58	W/R-3067-7004-V
S-4	110+86.05	LT-7.50	4X4 SAS	903.88	898.65	5.23	W/1550-0054
S-4A	110+86.05	LT-13.50	H INLET	904.13	900.27	3.86	W/R-3067-7004-V
S-4B	110+86.05	RT-13.50	H INLET	904.85	900.31	4.54	W/R-3067-7004-V
S-5	109+65.00	LT-7.50	4X4 SAS	909.10	905.20	3.90	FP, W/R-1550-0054
S-5A	109+65.00	LT-13.50	H INLET	909.34	906.26	3.08	W/R-3067-7004-V
S-6	108+16.05	LT-7.50	3X3 SAS	914.88	911.00	3.88	FP, W/1550-0054
S-6A	108+16.05	LT-13.50	H INLET	915.12	912.06	3.06	W/R-3067-7004-V
S-6B	108+16.05	RT-13.50	H INLET	915.84	912.10	3.74	W/R-3067-7004-V
S-7	105+88.87	LT-7.50	4X4 SAS	923.19	917.77	5.42	W/1550-0054
S-7A	105+66.60	RT-39.50	3X3 SAS	925.91	920.93	4.98	W/R-3067-7004-V
S-7B	105+43.60	RT-39.50	H INLET	926.64	923.02	3.62	W/R-3067-7004-V
S-8	105+20.15	LT-7.50	4X4 SAS	927.34	922.50	4.84	W/1550-0054
S-8A	105+20.15	LT-13.50	H INLET	927.62	923.45	4.17	W/R-3067-7004-V
S-8B	105+10.15	LT-13.50	H INLET	928.36	924.20	4.16	W/R-3067-7004-V
S-8C	105+20.15	RT-13.50	H INLET	927.74	924.57	3.17	W/R-3067-7004-V
S-8D	105+10.15	RT-13.50	H INLET	928.48	925.32	3.16	W/R-3067-7004-V
S-9	103+65.00	LT-7.50	4X4 SAS	941.15	937.49	3.66	W/1550-0054
S-9A	103+65.00	LT-13.50	H INLET	941.43	937.79	3.64	W/R-3067-7004-V
S-9B	103+55.30	RT-13.50	H INLET	942.35	938.53	3.82	W/R-3067-7004-V
<b>BAGLEY PARKWAY</b>							
S-7C	202+19.83	LT-11.50	3X3 SAS	929.05	924.44	4.61	W/R-3067-7004-V
S-7D	202+72.61	LT-11.50	PLUG	-	927.37	-	-

## 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
<b>OWEN DRIVE</b>										
P-1A	S-1A	S-1B	896.14	896.45	62	56.9	0.54%	12"	RCP	-
P-1	S-1	S-2	894.64	895.01	18.5	13.4	2.77%	30"	RCP	-
P-2	S-2	S-3	895.01	896.60	127.5	123.4	1.29%	30"	RCP	-
P-2A	S-2	S-2A	895.67	895.84	34.5	31.3	0.54%	21"	RCP	-
P-3	S-3	S-4	896.60	898.65	114	110.0	1.86%	30"	RCP	-
P-3A	S-3	S-3A	897.85	897.88	6	3.0	1.00%	15"	RCP	-
P-3B	S-3	S-3B	898.10	898.21	21	18.0	0.61%	12"	RCP	-
P-4	S-4	S-5	899.15	905.20	121	117.2	5.16%	24"	RCP	-
P-4A	S-4	S-4A	900.15	900.27	6	3.0	3.96%	12"	RCP	-
P-4B	S-4	S-4B	900.15	900.31	21	18.0	0.89%	12"	RCP	-
P-5	S-5	S-6	905.20	911.00	149	145.6	3.98%	24"	RCP	-
P-5A	S-5	S-5A	906.20	906.26	6	3.0	1.99%	12"	RCP	-
P-6	S-6	S-7	911.00	917.77	227	223.8	3.03%	24"	RCP	-
P-6A	S-6	S-6A	912.00	912.06	6	3.5	1.71%	12"	RCP	-
P-6B	S-6	S-6B	912.00	912.10	21	18.5	0.54%	12"	RCP	-
P-7	S-7	S-8	918.23	922.50	69	64.9	6.58%	18"	RCP	-
P-7A	S-7	S-7A	918.19	920.93	52	48.2	5.68%	21"	RCP	-
P-7B	S-7A	S-7B	921.68	923.02	23	20.6	6.51%	12"	RCP	-
P-8	S-8	S-9	922.75	937.49	155	151.3	9.74%	12"	RCP	-
P-8A	S-8	S-8A	923.00	923.45	6	3.1	14.52%	12"	RCP	-
P-8B	S-8A	S-8B	923.45	924.20	10	7.1	10.56%	12"	RCP	-
P-8C	S-8	S-8C	923.00	924.57	21	18.1	8.67%	12"	RCP	-
P-8D	S-8C	S-8D	924.57	925.32	10	7.1	10.56%	12"	RCP	-
P-9A	S-9	S-9A	937.49	937.79	6	3.1	9.77%	12"	RCP	-
P-9B	S-9	S-9B	937.49	938.53	23	19.8	5.24%	12"	RCP	-
<b>BAGLEY PARKWAY</b>										
P-7C	S-7A	S-7C	920.93	924.44	64	61.2	5.74%	21"	RCP	-
P-7D	S-7C	S-7D	924.44	927.37	53.5	51.78	5.66%	21"	RCP	-

## STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
<b>OWEN DRIVE</b>						
ADJ-1	113+43.70	LT-25.40	898.87	898.90	0.03	REPLACE CASTING W/R-1550 HYDROVENT

**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:

## 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
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SASs.
- 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 REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3.
- ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- 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.

# STORM SEWER SCHEDULE

## REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>OWEN DRIVE</b>					
R-1	IN #3853-002	113+50.29	LT-33.65	INLET	-
R-2	IN #3853-005	113+34.66	LT-17.35	INLET	-
R-3	IN #3853-003	113+50.20	RT-38.35	INLET	-
R-4	IN #3853-004	113+30.28	RT-19.00	INLET	-

## REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
<b>OWEN DRIVE</b>							
RP-1	ADJ-1	R-1	9	12"	VCP	Y	-
RP-2	ADJ-1	R-2	9	12"	VCP	Y	-
RP-3	ADJ-1	R-3	60	12"	VCP	Y	-
RP-4	ADJ-1	R-4	42	12"	VCP	Y	-

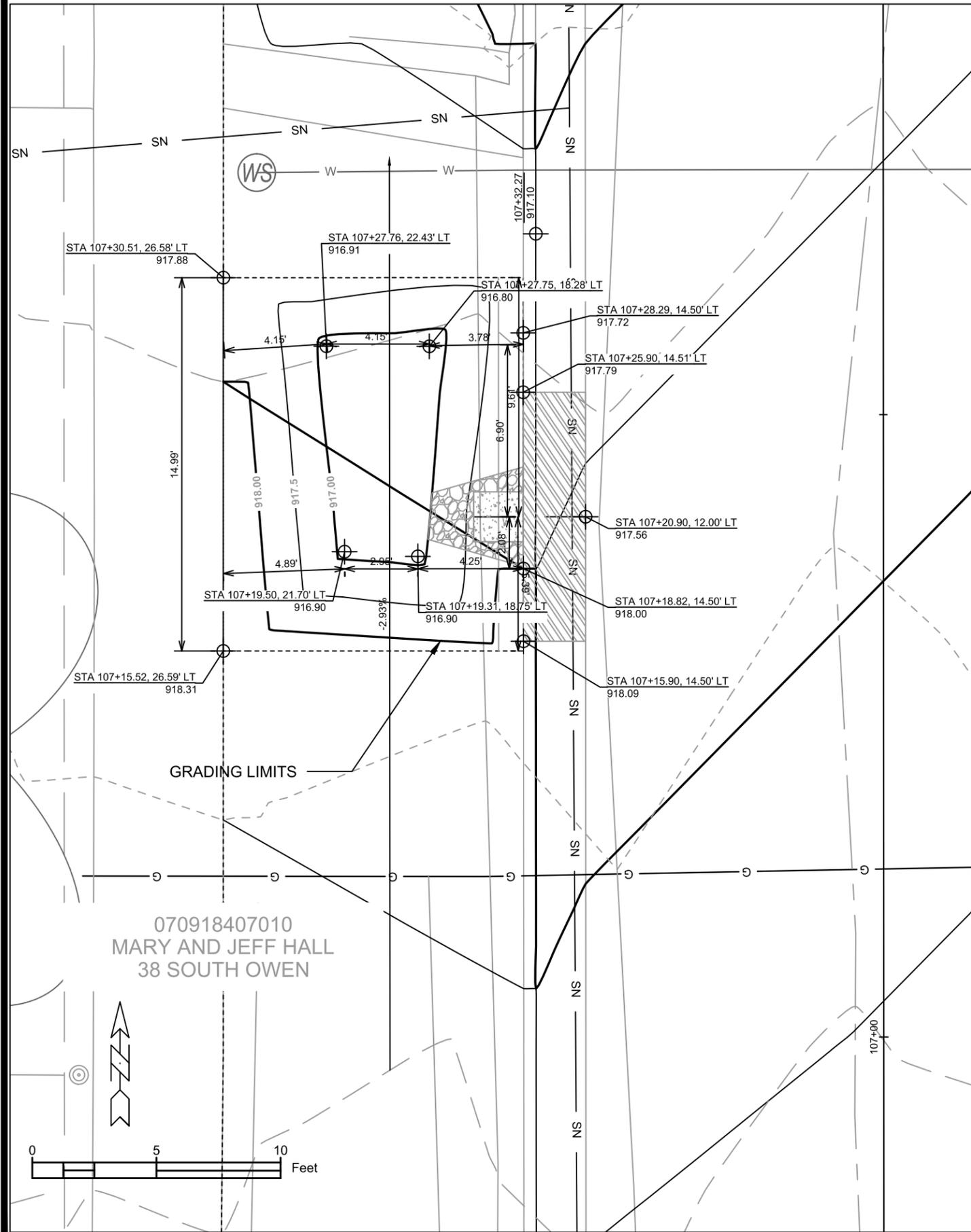
## STORM SEWER ULOs [FIVE (5) UNDISTRIBUTED ULOs INCLUDED]

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<b>OWEN DRIVE</b>				
ULO1	103+55.30	RT-5.80	WATER	-
ULO2	105+20.15	RT-5.65	WATER	-
ULO3	105+82.68	RT-5.56	WATER	-
ULO4	108+16.05	RT-4.91	WATER	-
ULO5	110+86.05	RT-5.04	WATER	-
ULO6	111+99.98	RT-5.07	WATER	-
ULO7	113+27.05	RT-5.09	WATER	-
ULO8	113+46.93	RT-5.32	WATER	-

## SPECIFIC NOTES

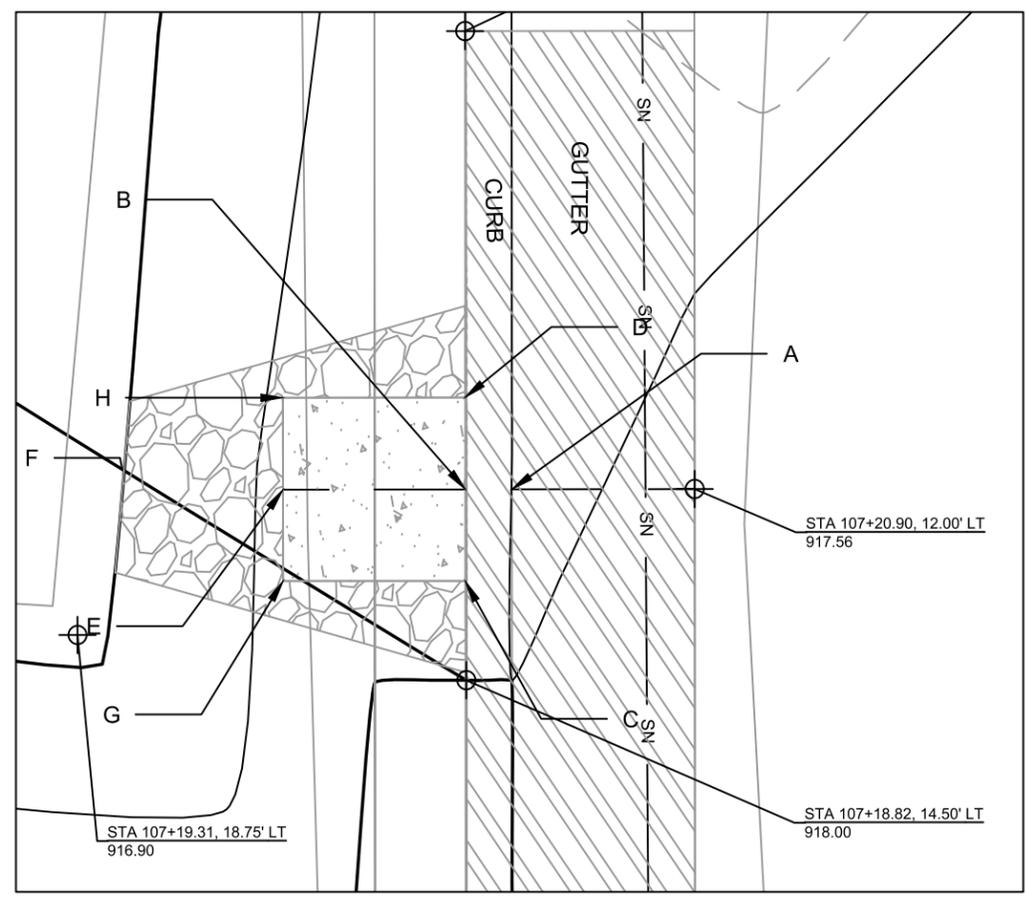
## STANDARD NOTES:

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

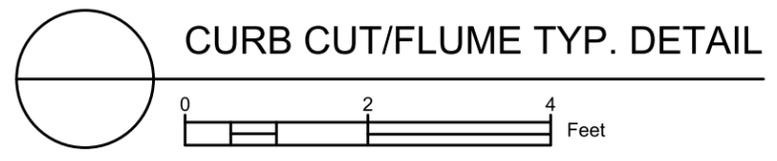


070918407010  
MARY AND JEFF HALL  
38 SOUTH OWEN

Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	917.56
A	Standard Gutter Flow Line at CL of Flume	0	917.44
B	Pro. Gutter Flow Line at CL of Flume Meeting Curb	-.17'(2")	917.27
C	Edge of Flume @ Gutter (Uphill)	varies	917.36
D	Edge of Flume @ Gutter (Downhill)	varies	917.30
E	Bottom of Flume at CL	-.33'(4")	917.10
F	Bottom of Stone/Pond	-.5'(6")	916.80
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	917.28
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	917.22



- NOTES:
1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS
  2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.
  3. SEE DETAIL D-1 AND D-2.

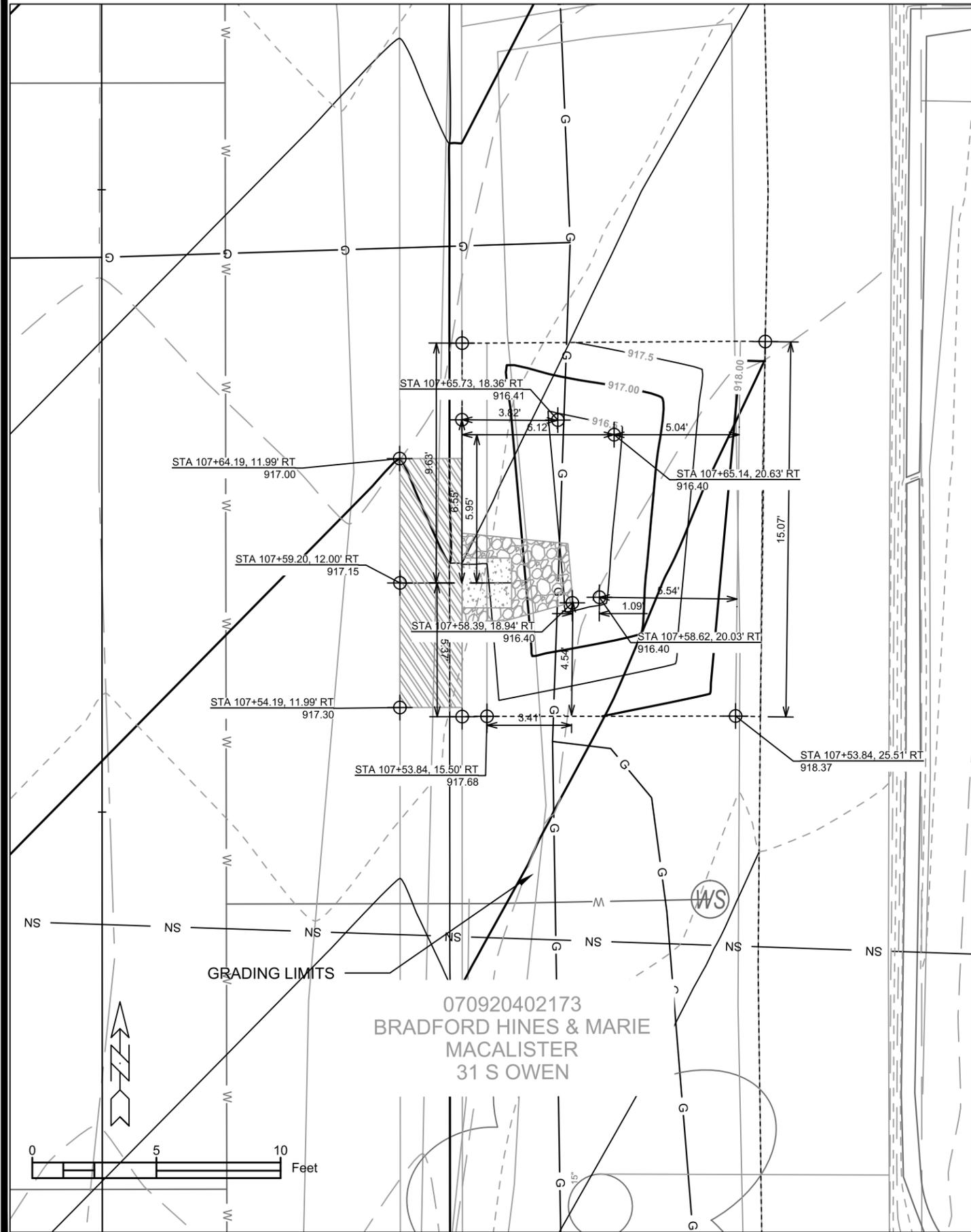


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CONTRACT NO.: 8622

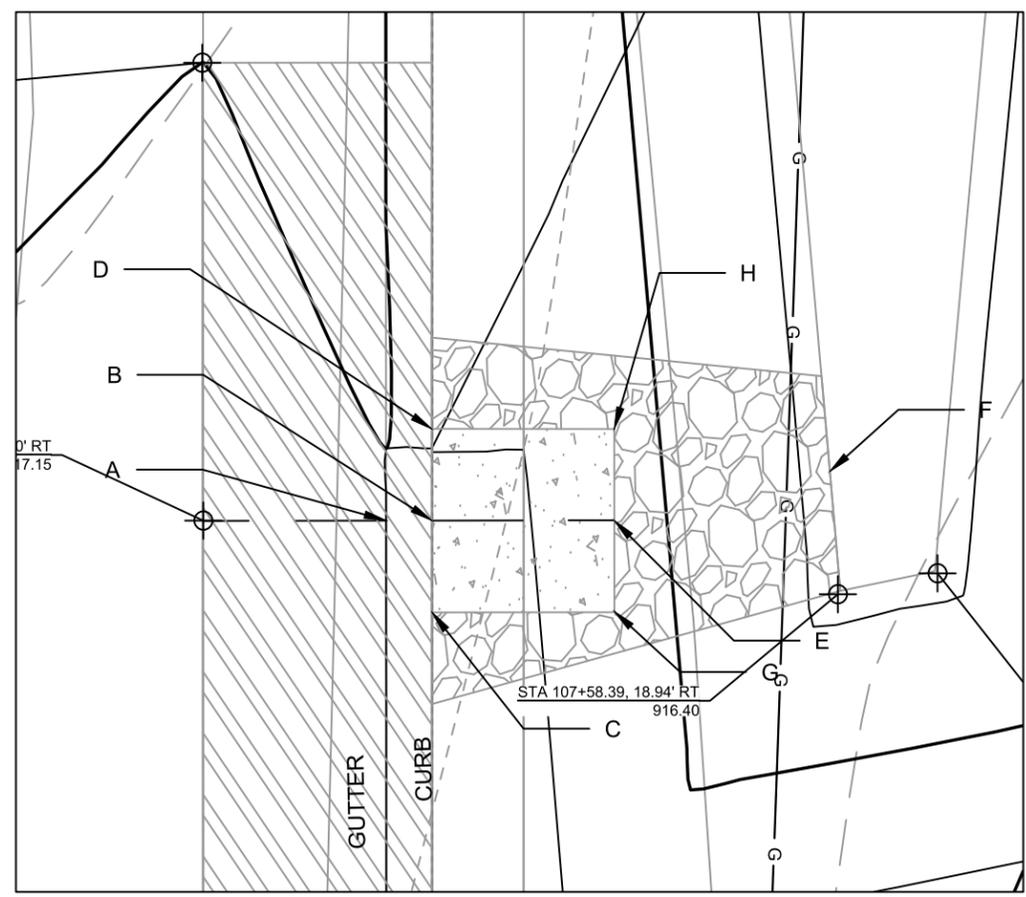
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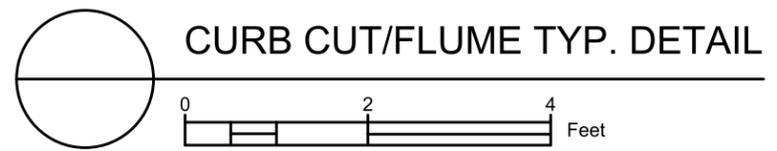
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GI-1	14080



Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
		Pond depth (inches) from pt. A/Pond depth (inches) @ overflow	7.6 (IN)/10.2 (IN)
	Ex. EOG at CL of Flume	+0.125	917.15
A	Standard Gutter Flow Line at CL of Flume	0	917.03
B	Pro. Gutter Flow Line at CL of Flume Meeting Curb	-.17'(2")	916.86
C	Edge of Flume @ Gutter (Uphill)	varies	916.95
D	Edge of Flume @ Gutter (Downhill)	varies	916.89
E	Bottom of Flume at CL	-.33'(4")	916.69
F	Bottom of Stone/Pond	-.5'(6")	916.39
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	916.87
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	916.81



- NOTES:
1. ALL AREAS WITHIN GRADING LIMITS TO RECEIVE CLASS I, TYPE A - ORGANIC EROSION CONTROL MATTING IF COMPLETED OUTSIDE OF GROWING SEASONS, SEE SPECIAL PROVISIONS
  2. ALL AREAS OUTSIDE OF TOP OF BASIN SHALL RECEIVE TERRACE SEED MIX, DO NOT SEED WITHIN SIDE SLOPES OR BOTTOM OF BASIN.
  3. SEE DETAIL D-1 AND D-2.





S OWEN DR

Install 6" crosswalk

6'



Repaint yellow paint on traffic circle

HILLCREST DR



REGENT ST

6'

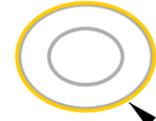
S OWEN DR

Install 6" crosswalk & Stop Bar



Install 6" crosswalks & Stop Bars

6'



Install yellow paint on traffic circle

BAGLEY PKWY

6'

6'

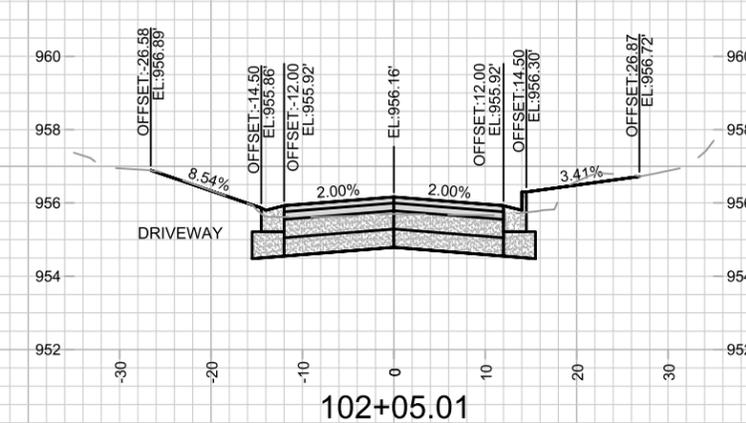
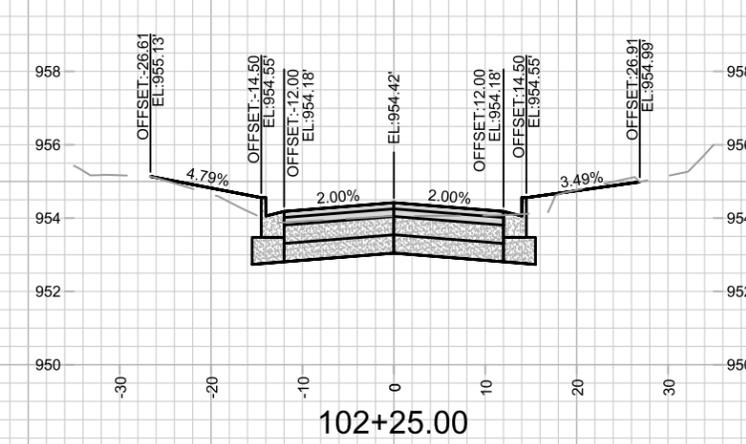
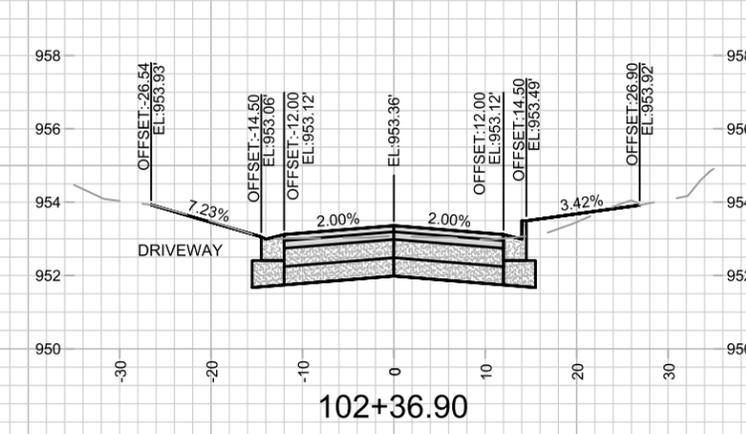
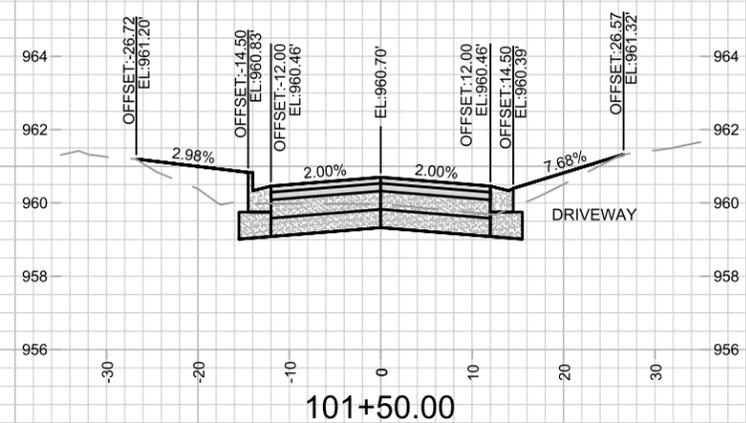
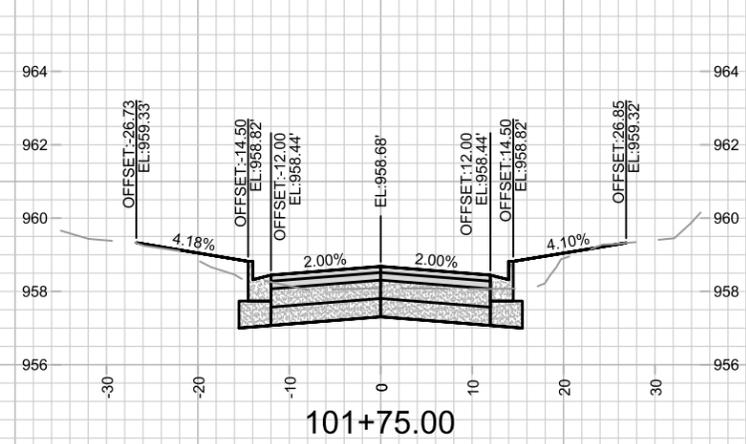
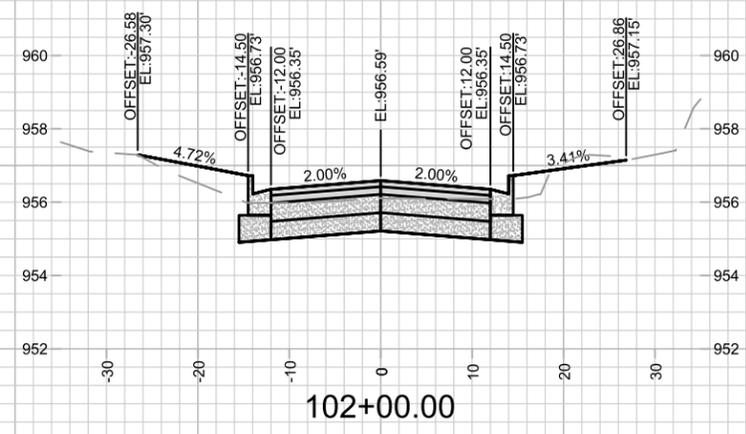
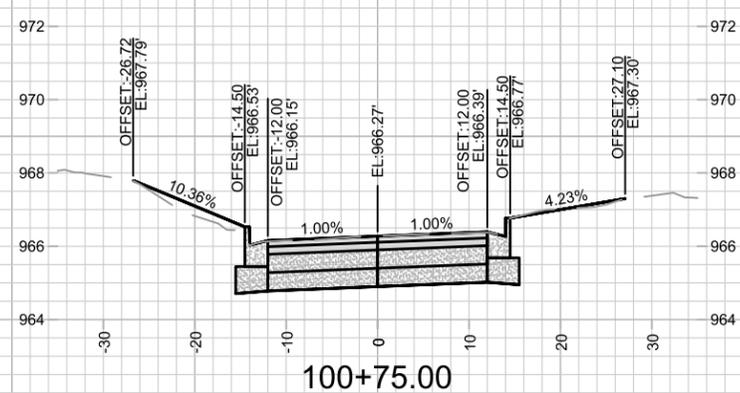
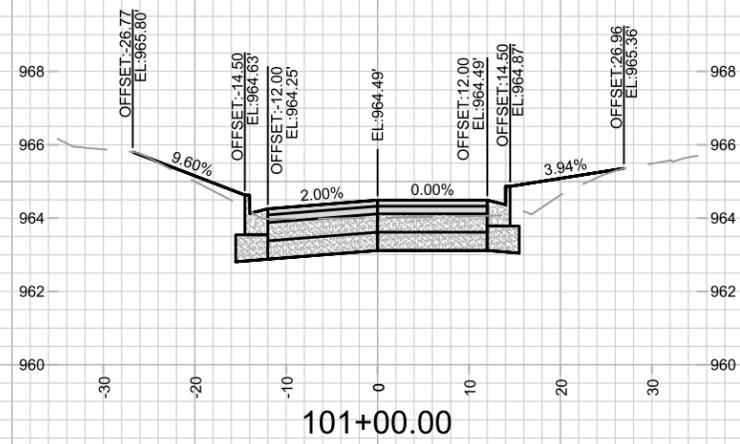
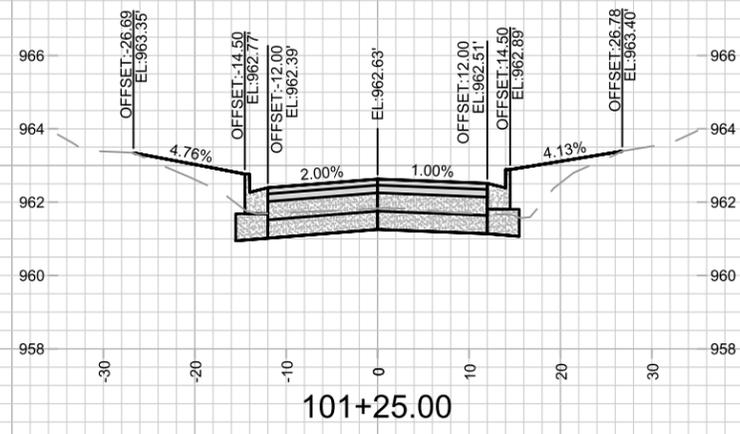
S OWEN DR

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



MARK	REVISION	DATE	BY

14080  
MADISON, WI  
CONTRACT NO: 8710

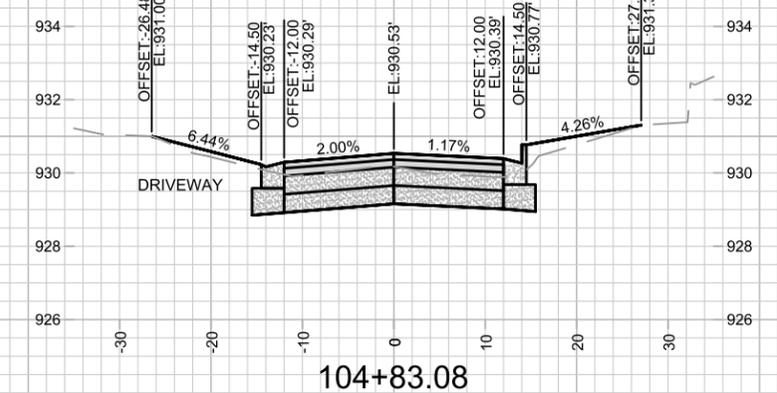
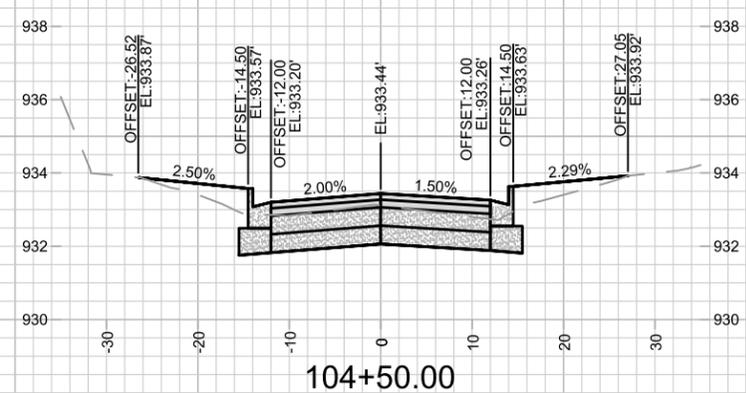
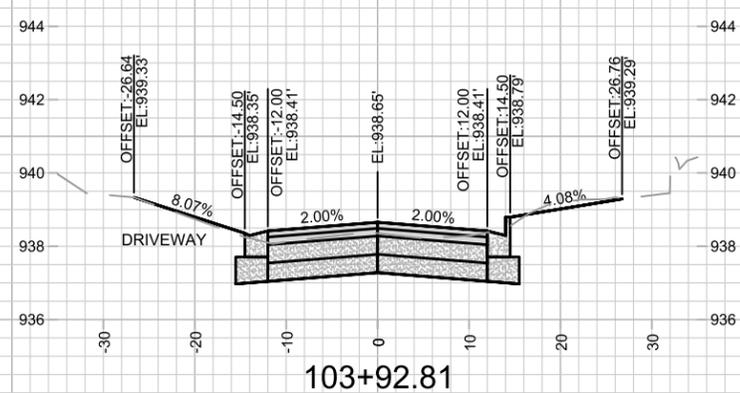
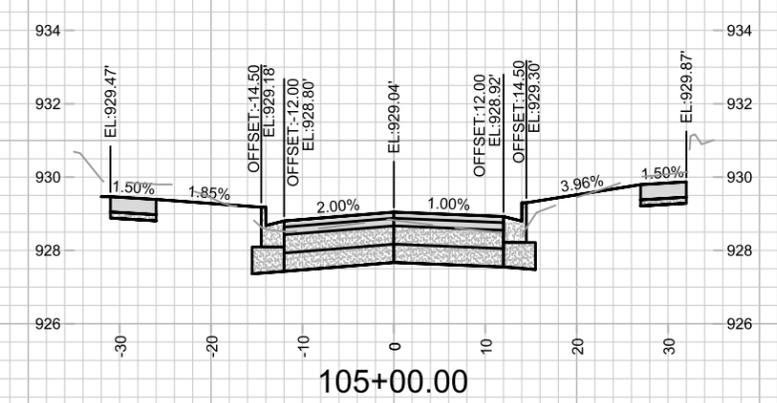
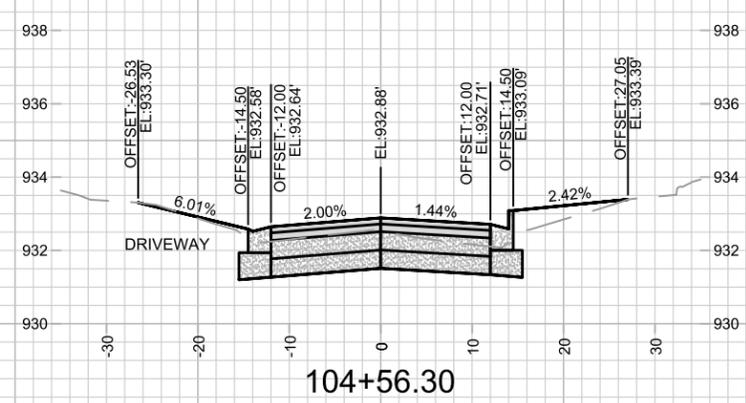
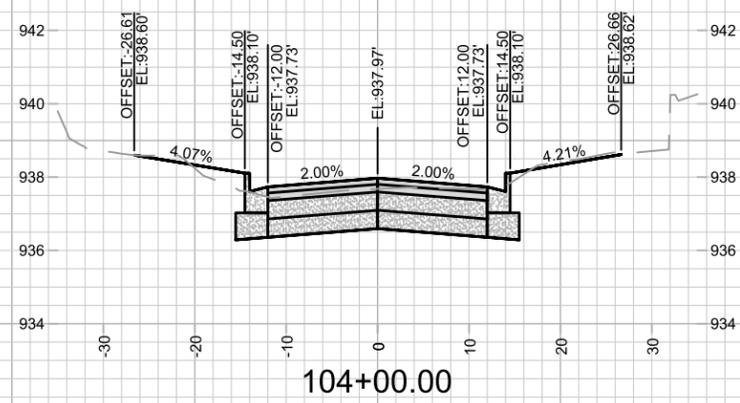
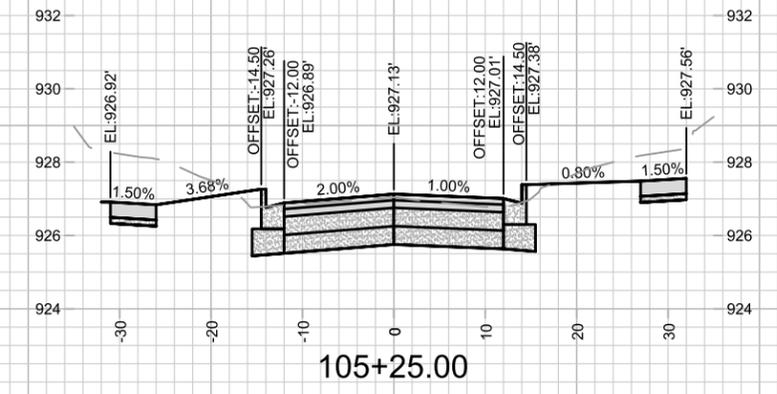
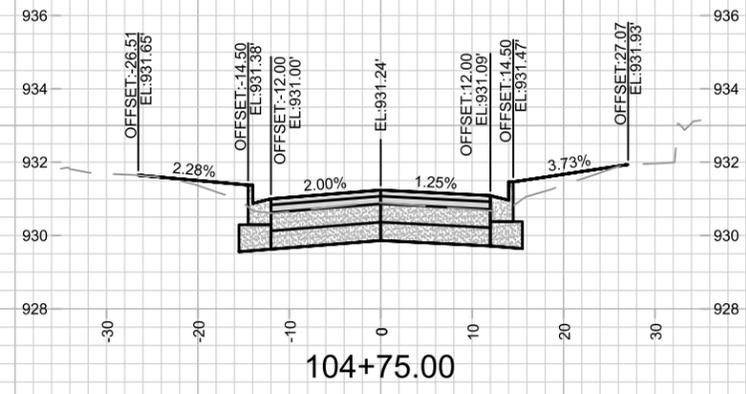
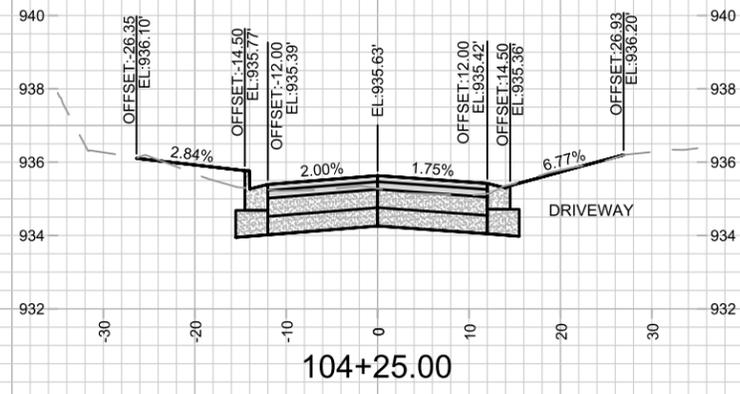
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S. OWEN DRIVE ASSESSMENT DISTRICT - 2023  
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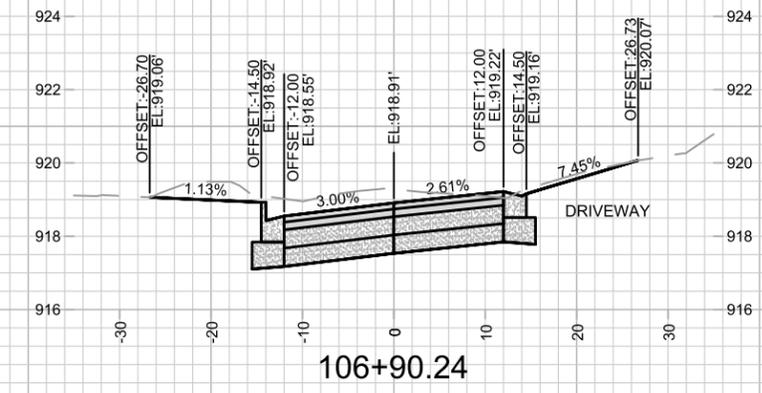
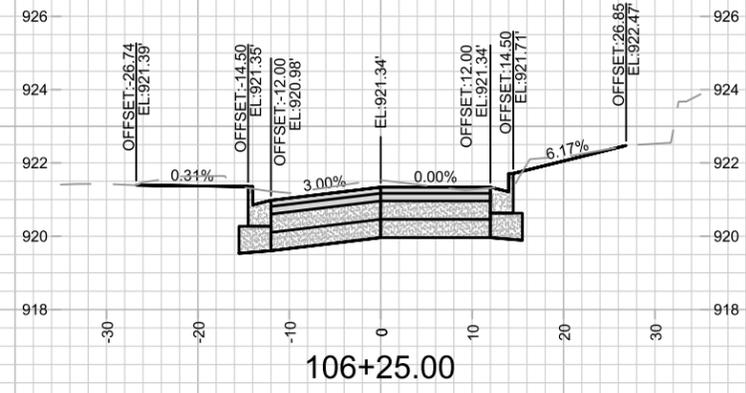
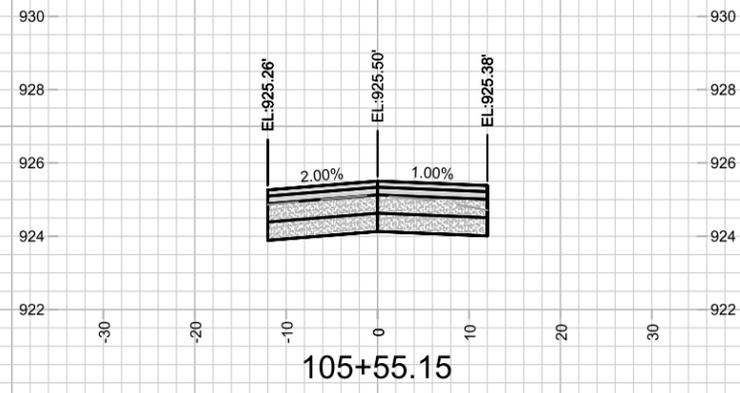
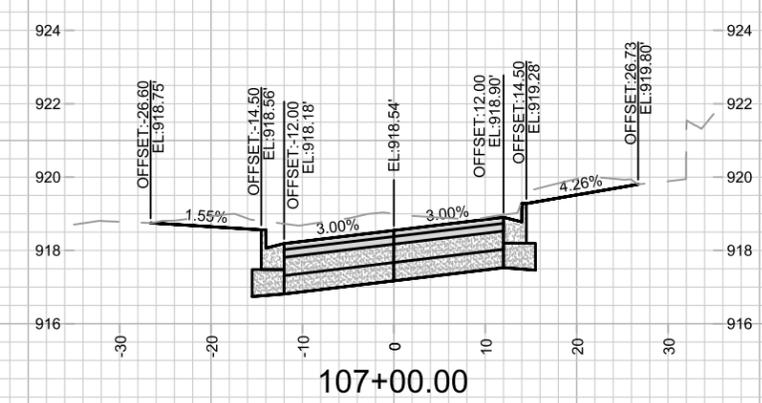
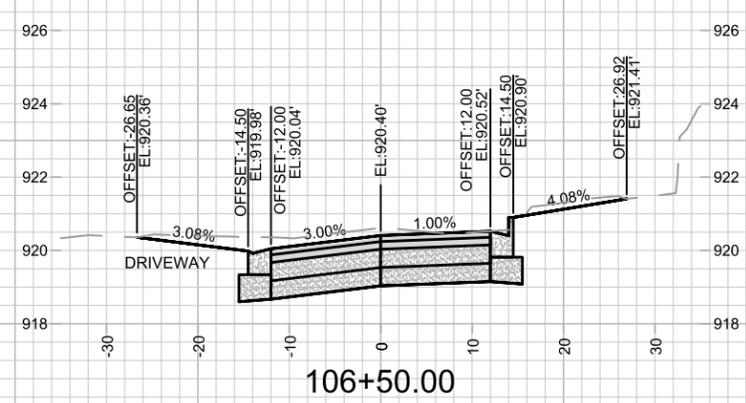
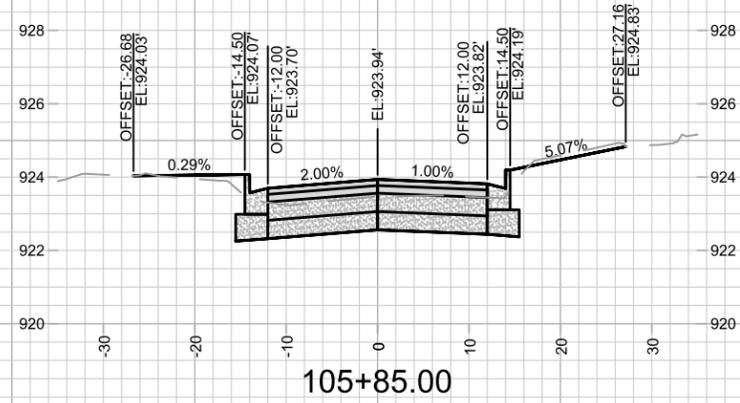
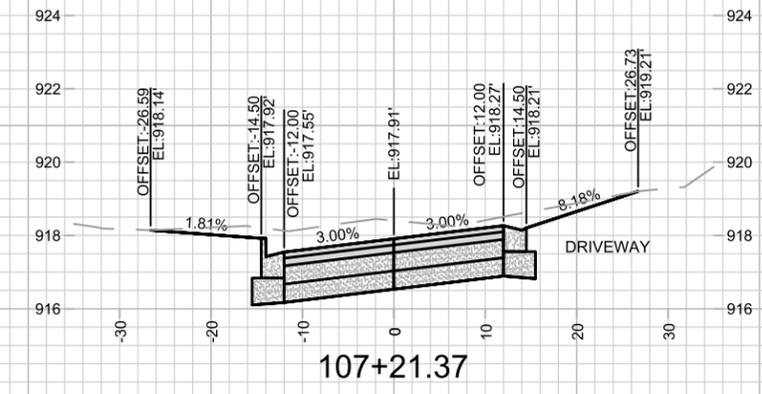
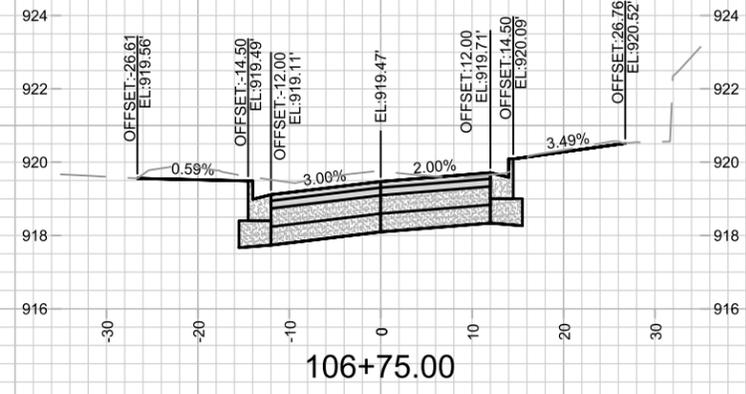
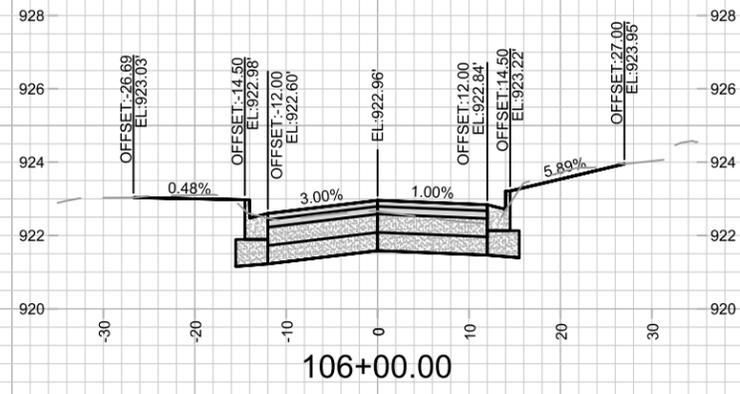
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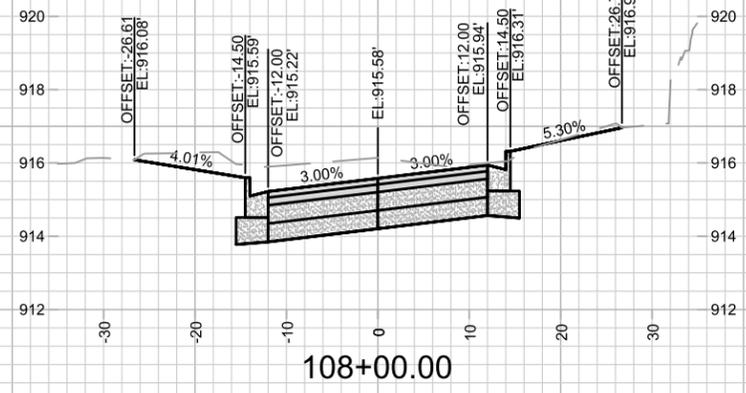
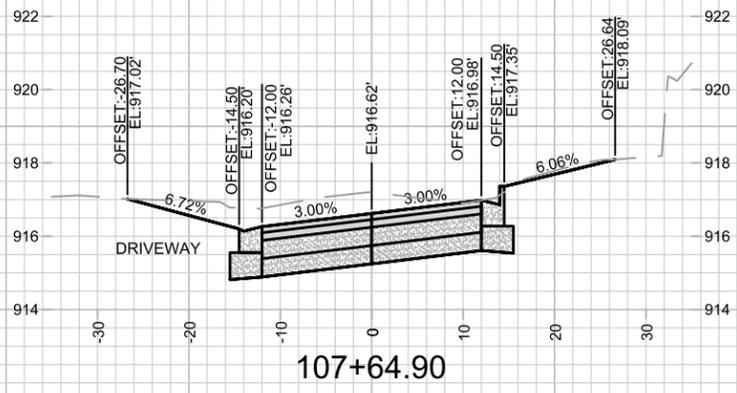
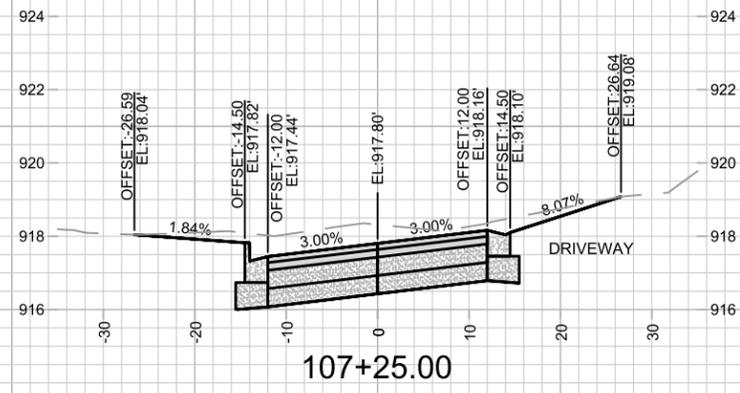
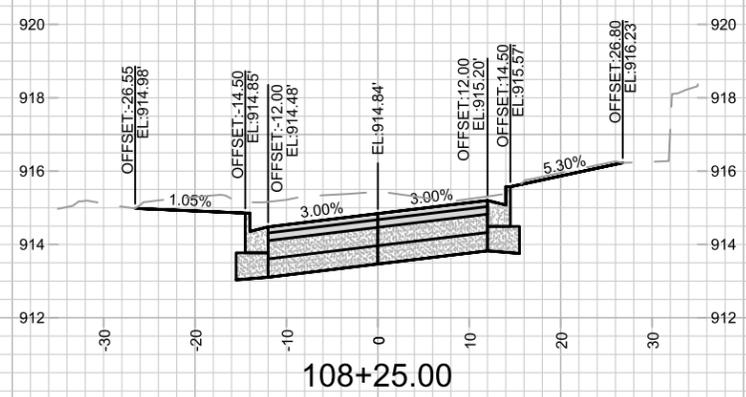
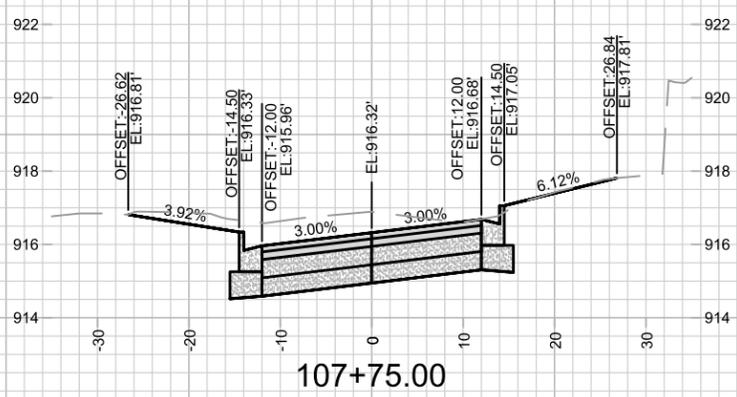
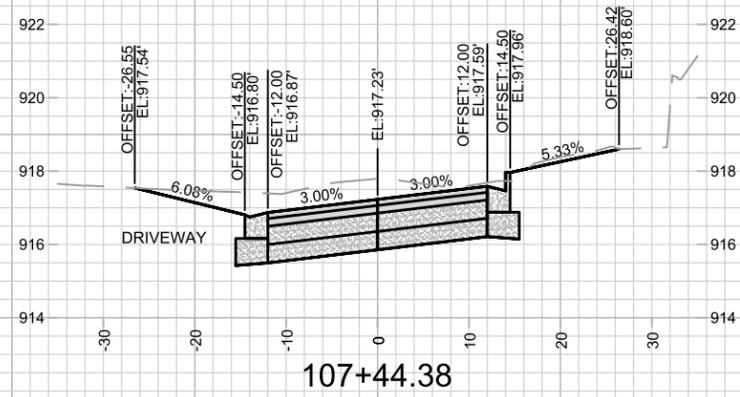
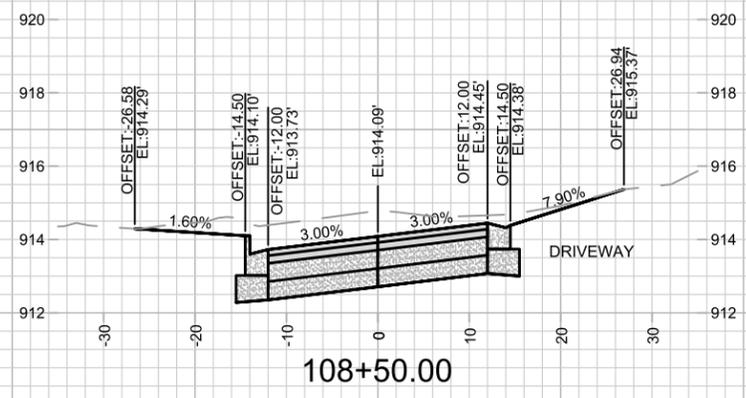
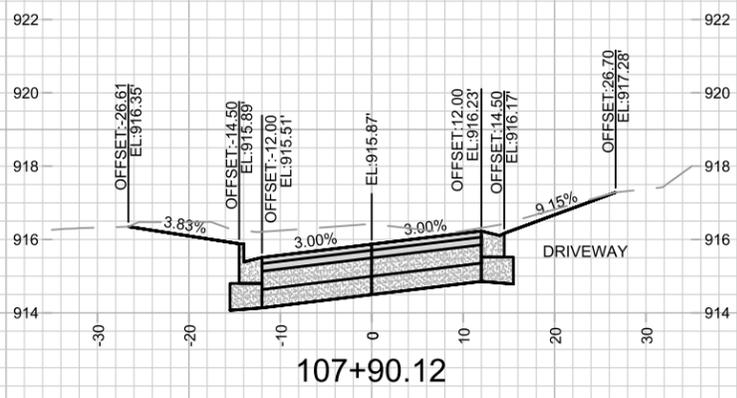
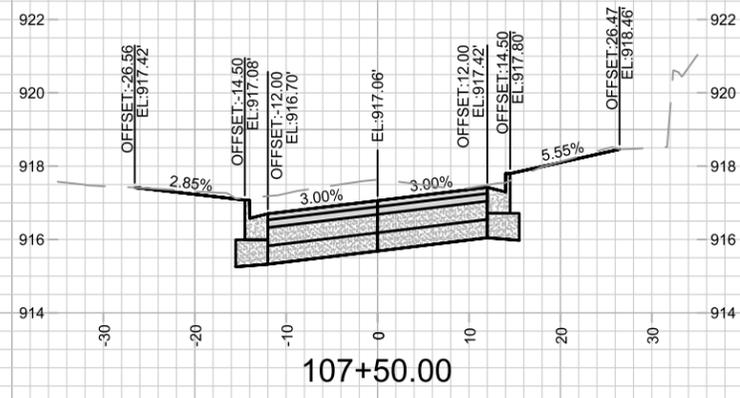
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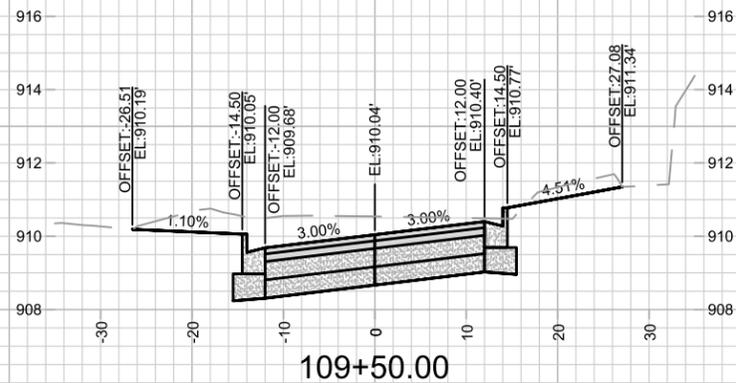
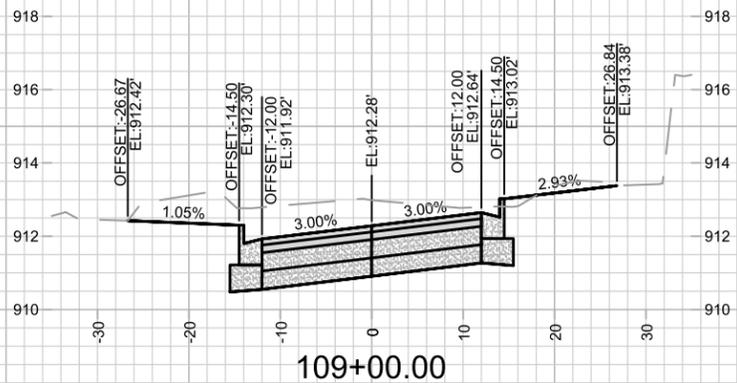
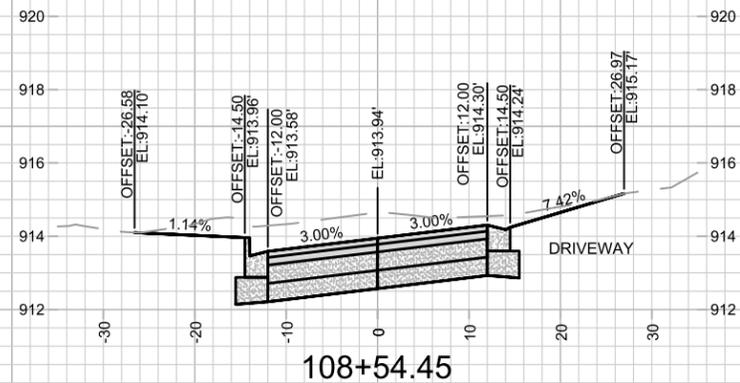
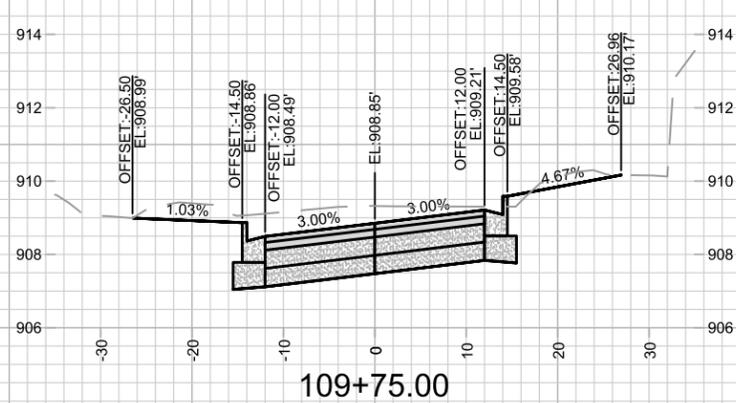
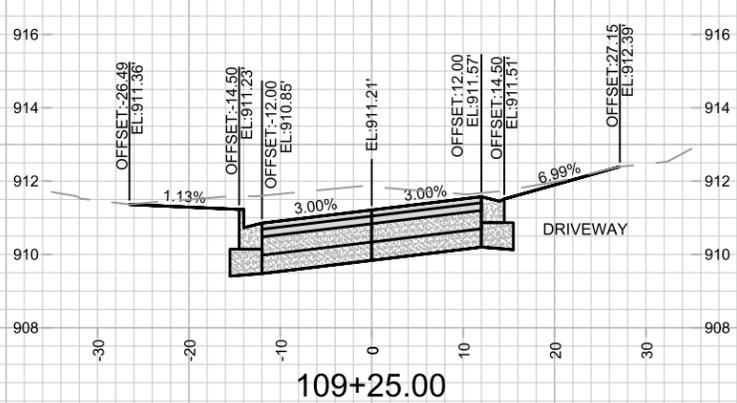
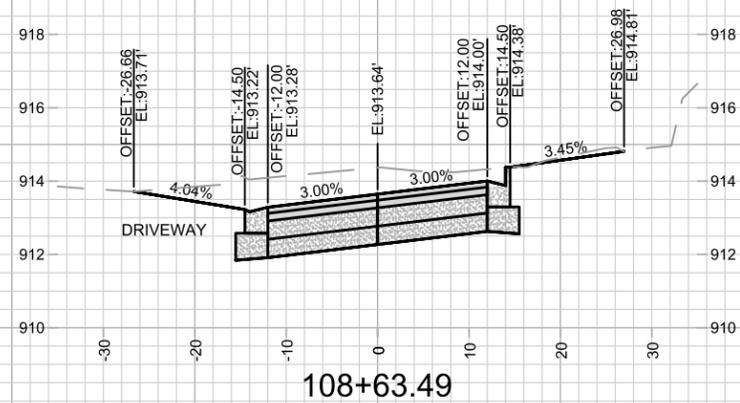
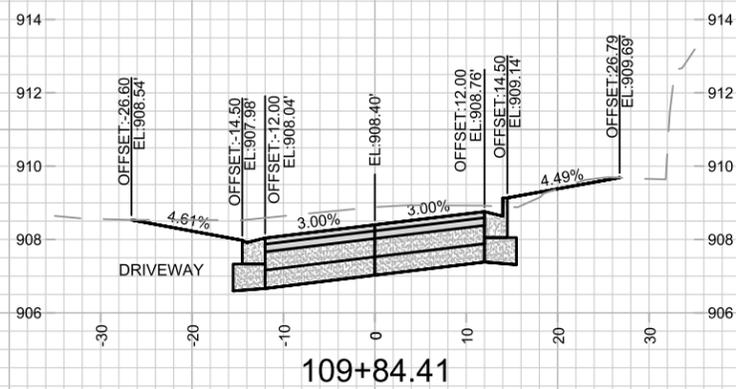
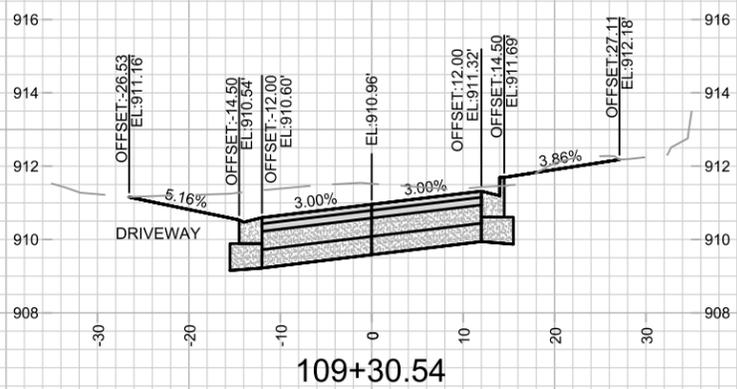
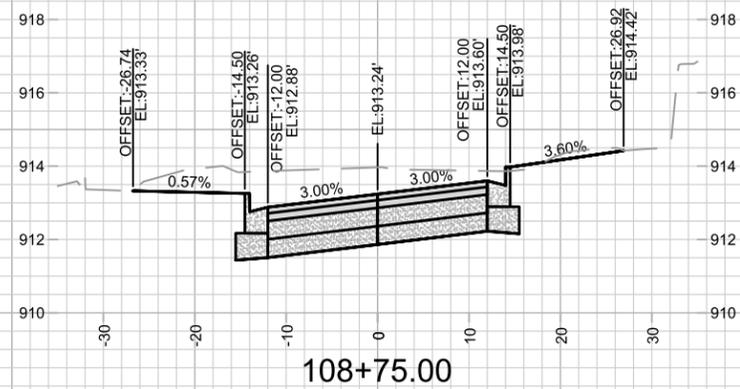
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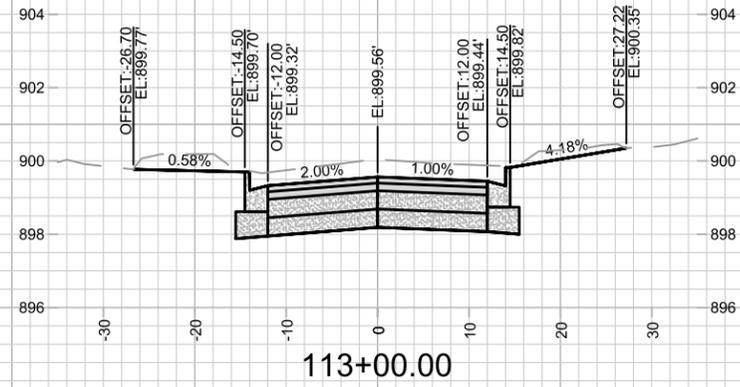
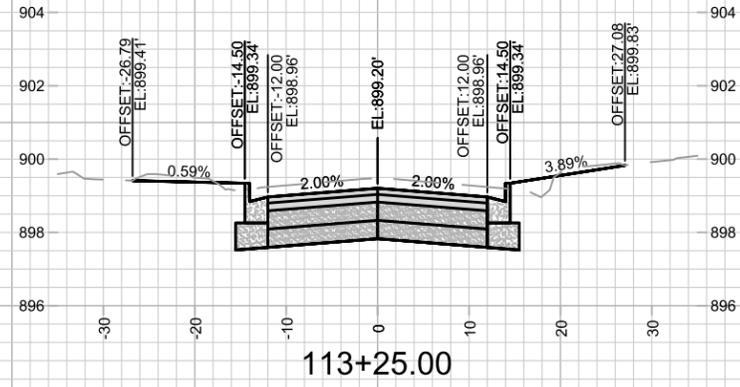
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