

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 5, 2016

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

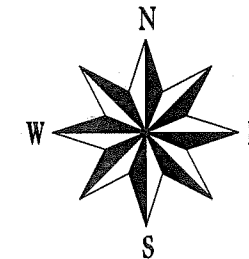
[Signature] 3/10/16
City Engineer Date

INDEX OF SHEETS

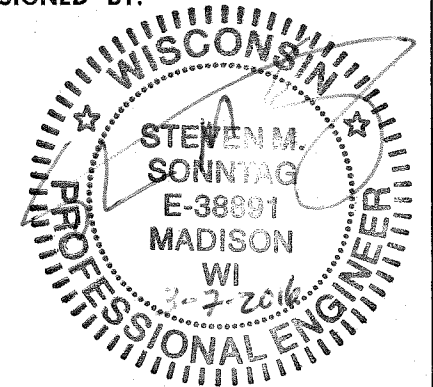
SHEET NO.	TITLE
1	
D-1	DETAILS - SOUTH PARK STREET TYPICAL SECTION
P1-P3	PLAN & PROFILE - SOUTH PARK STREET
U1-U3	SEWER PLAN & PROFILE - SOUTH PARK STREET
U4	SANITARY SCHEDULE - SOUTH PARK STREET
U5	STORM SCHEDULE - SOUTH PARK STREET
X1-X7	CROSS SECTIONS

2016 SOUTH PARK STREET SANITARY ASSESSMENT DISTRICT

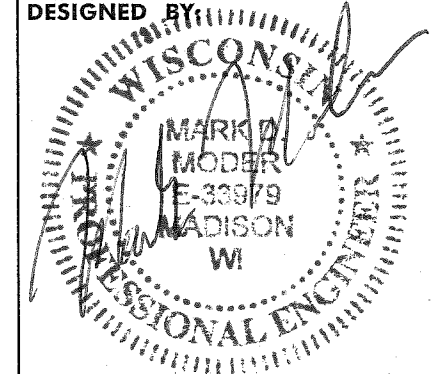
CITY PROJECT NO. 10893
CONTRACT NO. 7612



STREET DESIGNED BY:



SANITARY SEWERS DESIGNED BY:



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	⊥
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	□
COMBUSTIBLE FLUIDS	⚠ CAUTION ⚠

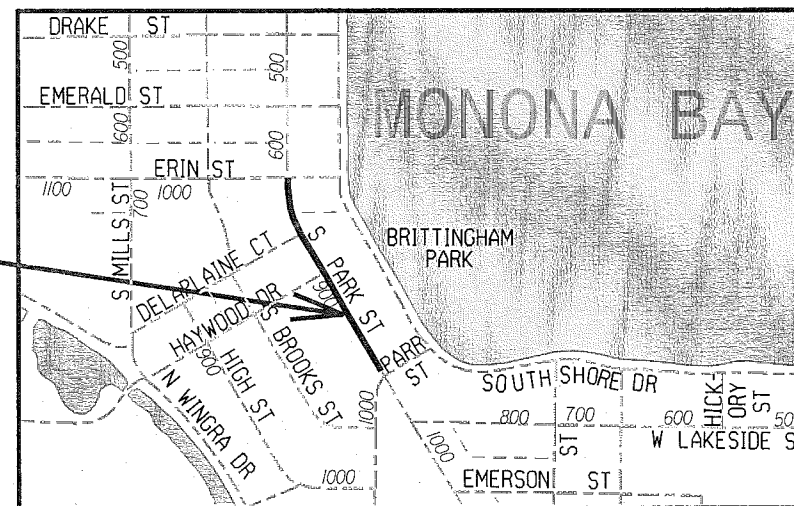
NOTES:

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% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY)...	485 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....	85 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	570 C.Y.

CONSTRUCTION PROJECT LOCATION

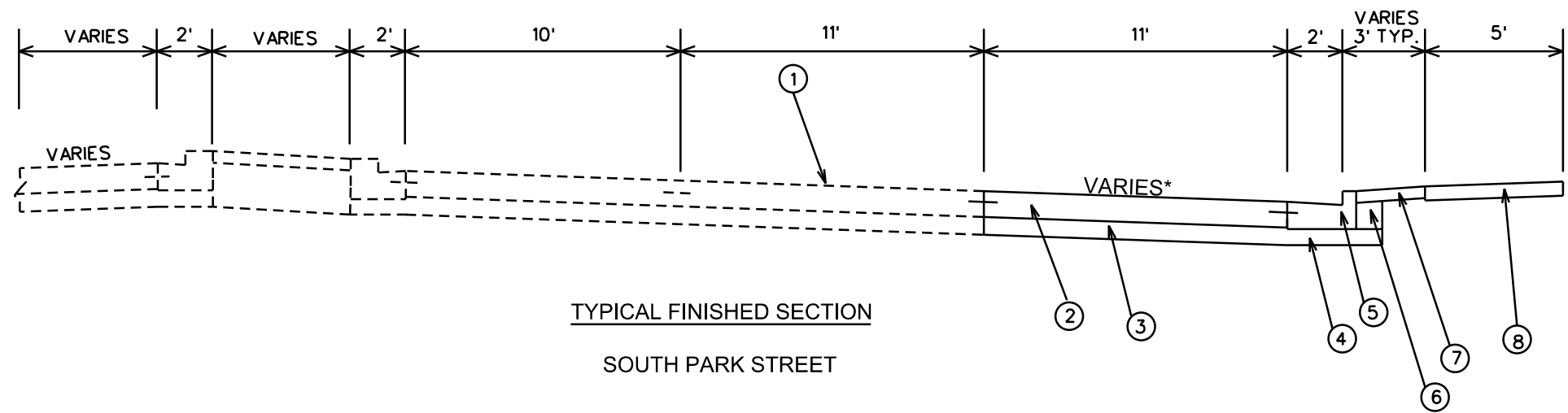


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL FINISHED SECTION
SOUTH PARK STREET

- ① POINT REFERRED TO ON PROFILE
- ② 10" DOWELED CONCRETE (TYPICAL)
- ③ 6" GRADATION 2 CRUSHED AGGREGATE
- ④ 4" MIN GRADATION 2 CRUSHED AGGREGATE AS NECESSARY FOR CURB REPLACEMENT
- ⑤ REMOVE & REPLACE CONCRETE CURB & GUTTER AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑥ FILL, INCIDENTAL WHERE CURB IS REPLACED
- ⑦ RESTORE DISTURBED AREAS W/ 4" TOPSOIL AND SOD UNLESS NOTED DIFFERNTLY ON PLAN
- ⑧ 5" CONCRETE SIDEWALK, REMOVE & REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER

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

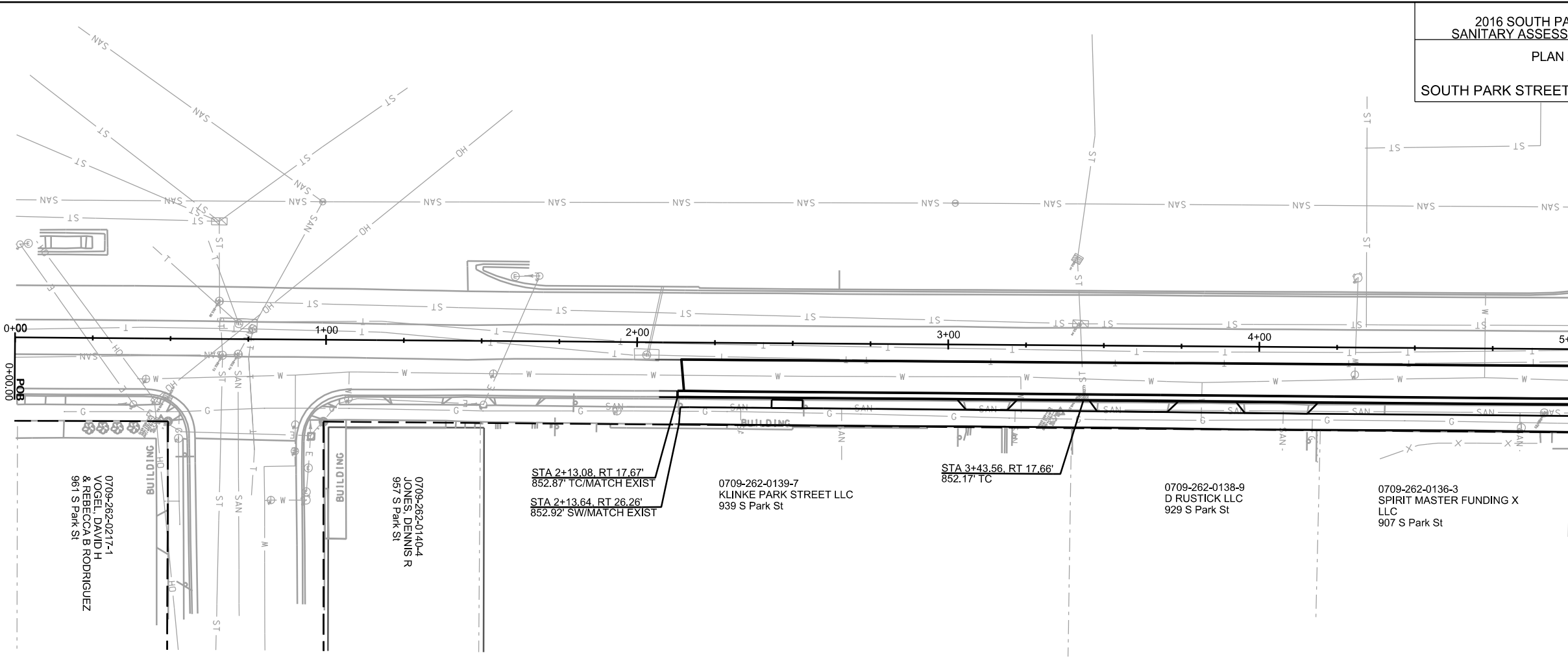
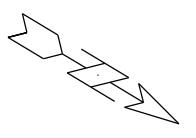
TYPICAL SECTION NOT TO SCALE

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



0709-262-0217-1
VOGEL, DAVID H
& REBECCA B RODRIGUEZ
901 S Park St

0709-262-0140-4
JONES, DENNIS R
957 S Park St

STA 2+13.08, RT 17.67'
852.87' TC/MATCH EXIST
STA 2+13.64, RT 26.26'
852.92' SW/MATCH EXIST

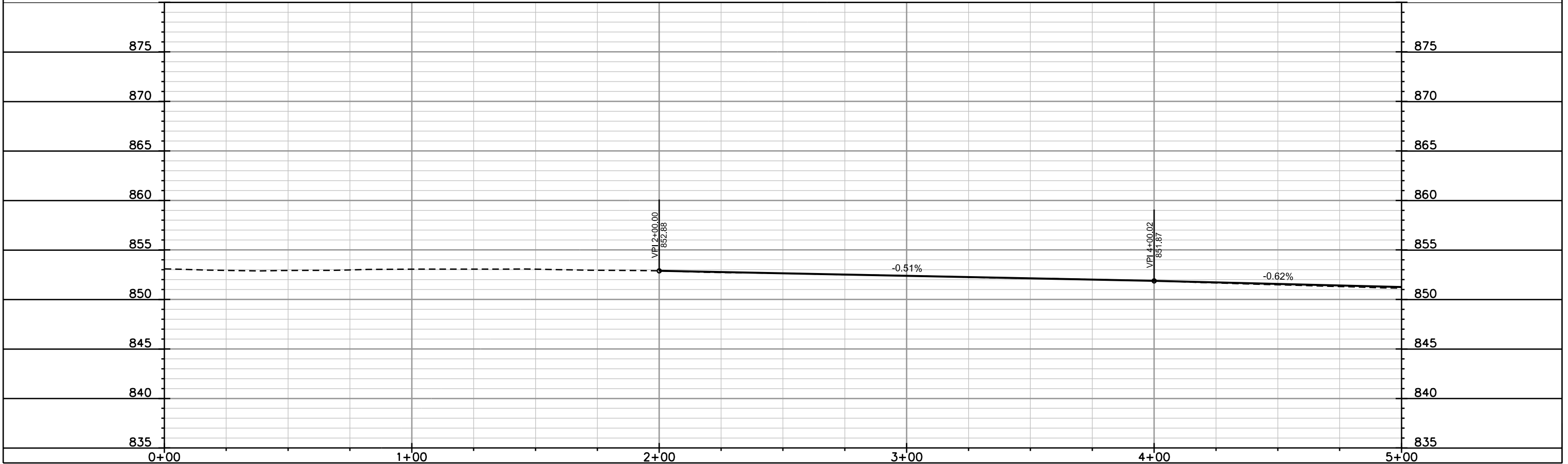
0709-262-0139-7
KLINKE PARK STREET LLC
939 S Park St

STA 3+43.56, RT 17.66'
852.17' TC

0709-262-0138-9
D RUSTICK LLC
929 S Park St

0709-262-0136-3
SPIRIT MASTER FUNDING X
LLC
907 S Park St

MATCHLINE STA 5+00.00



PLOT SCALE: _____

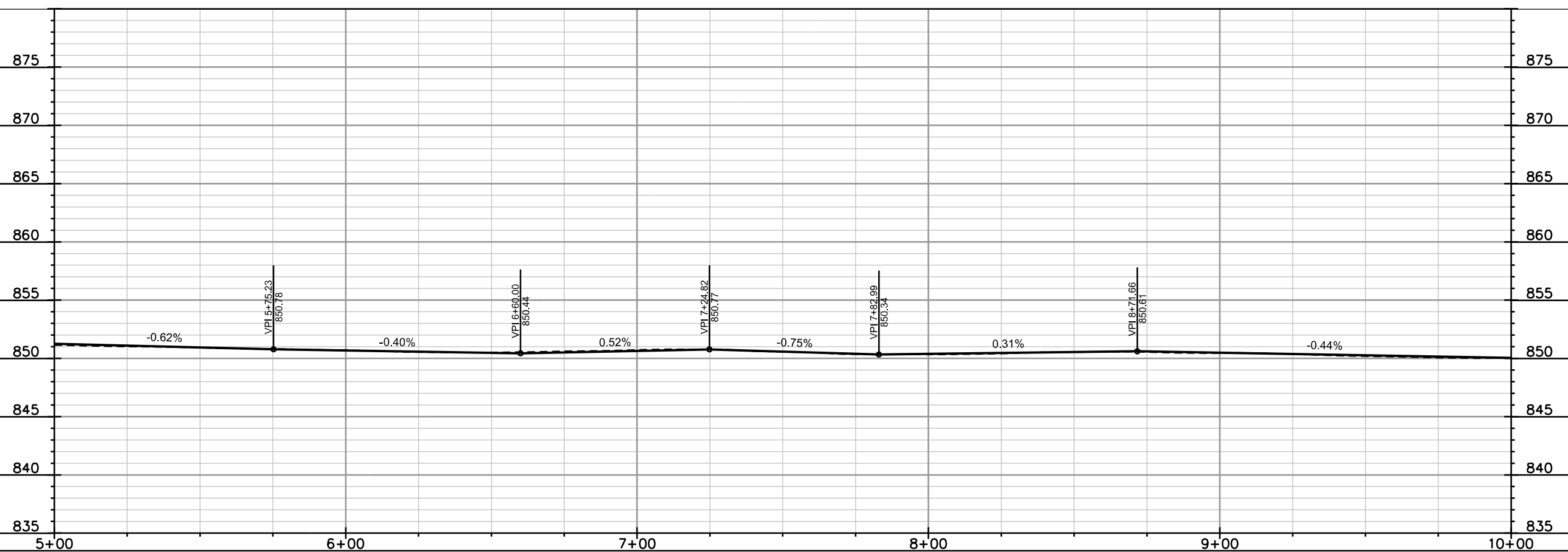
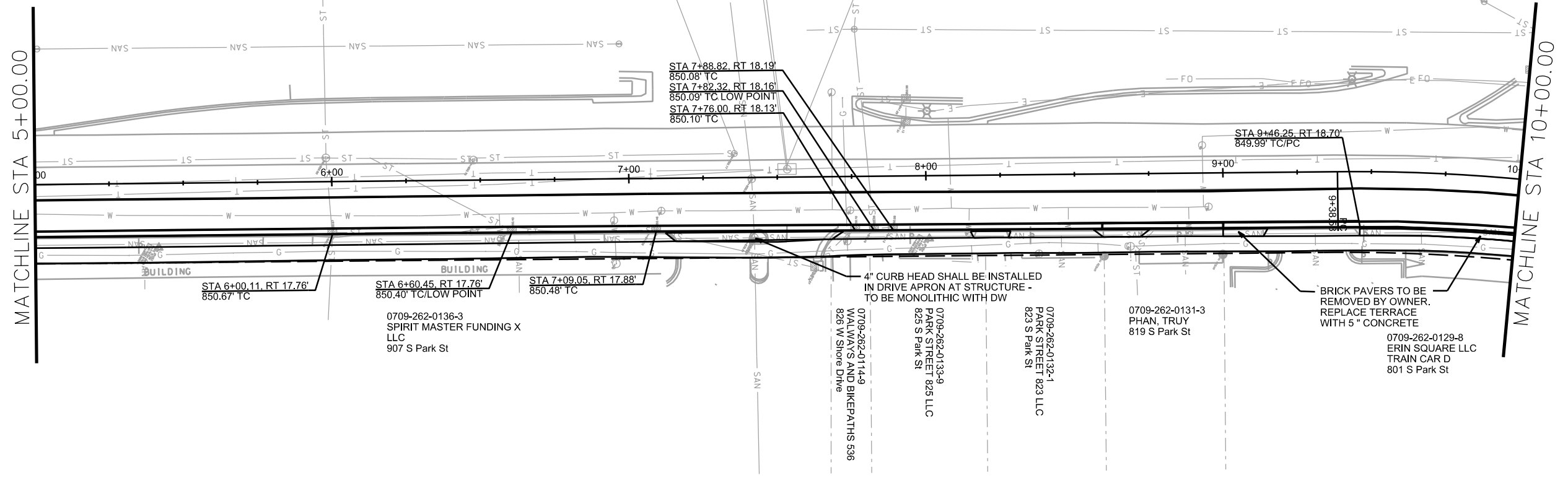
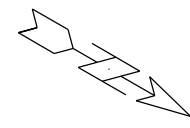
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PLAN AND PROFILE

SOUTH PARK STREET CITY OF MADISON

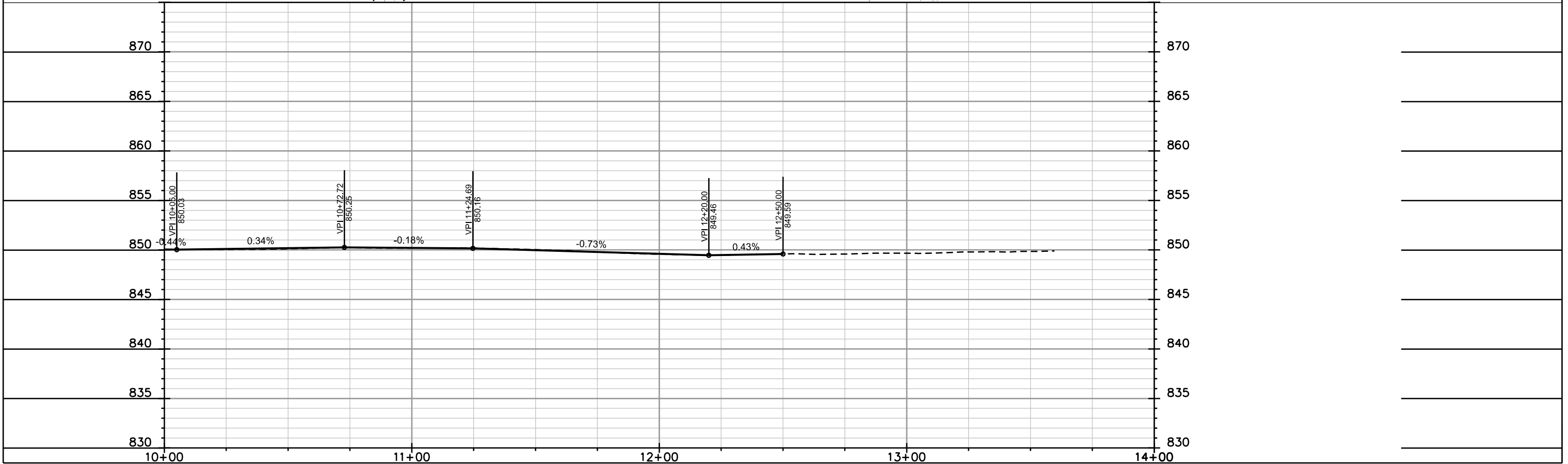
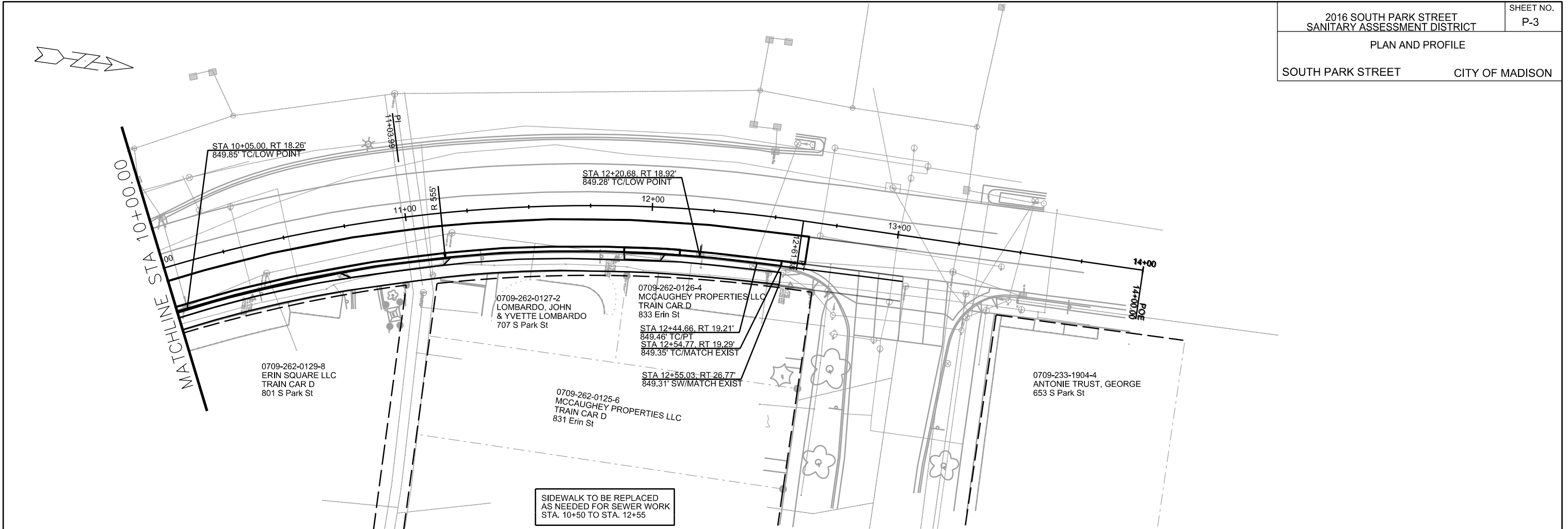


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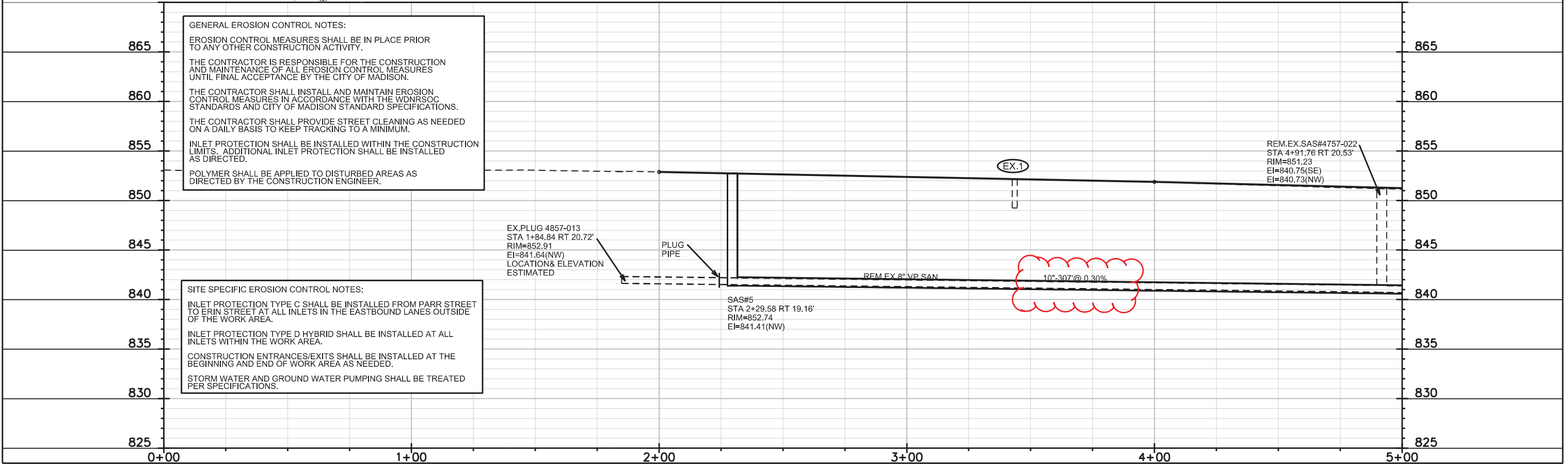
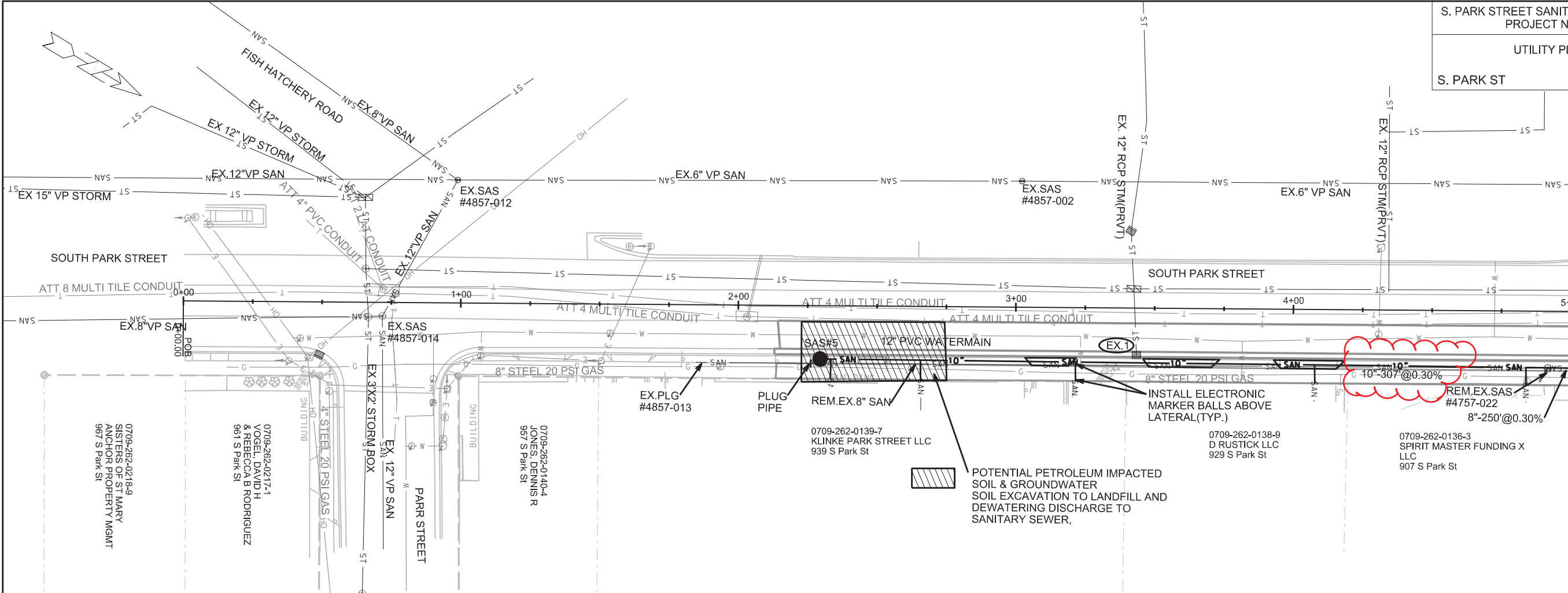


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



GENERAL 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.

SITE SPECIFIC EROSION CONTROL NOTES:

INLET PROTECTION TYPE C SHALL BE INSTALLED FROM PARR STREET TO ERIN STREET AT ALL INLETS IN THE EASTBOUND LANES OUTSIDE OF THE WORK AREA.

INLET PROTECTION TYPE D HYBRID SHALL BE INSTALLED AT ALL INLETS WITHIN THE WORK AREA.

CONSTRUCTION ENTRANCES/EXITS SHALL BE INSTALLED AT THE BEGINNING AND END OF WORK AREA AS NEEDED.

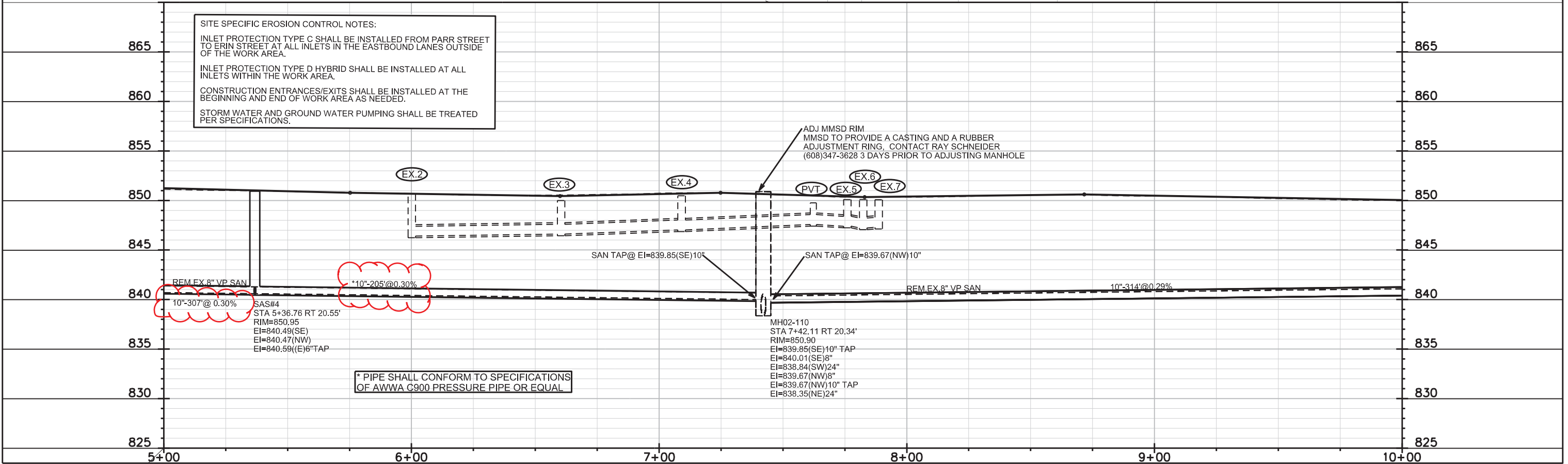
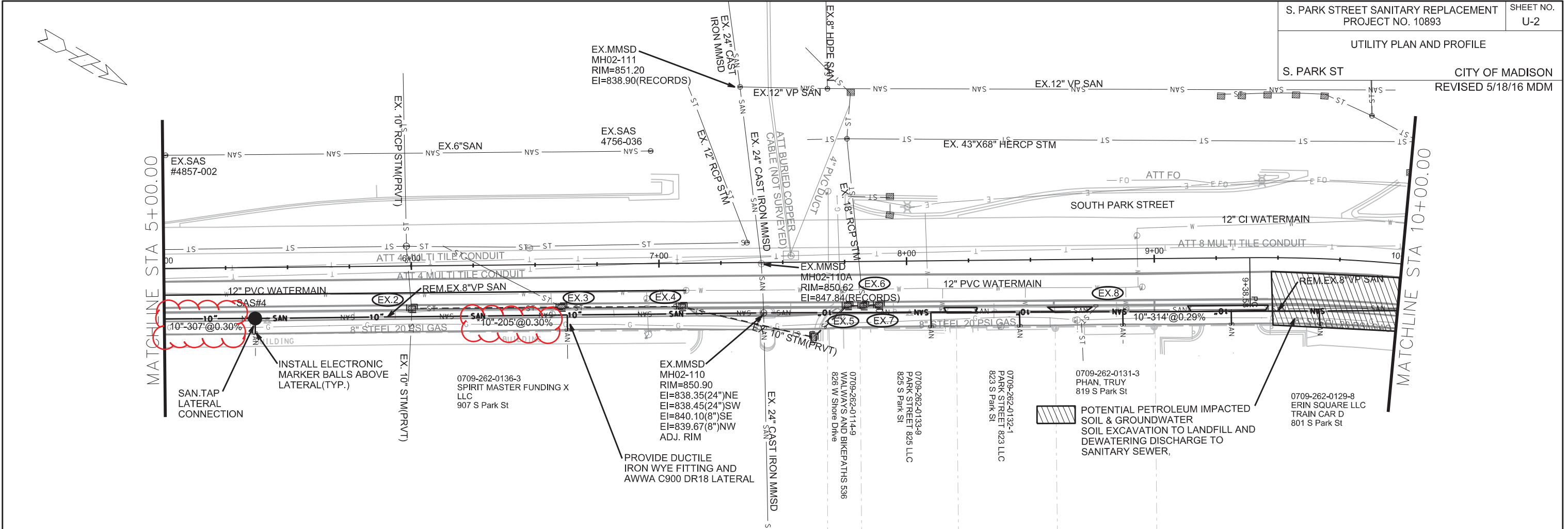
STORM WATER AND GROUND WATER PUMPING SHALL BE TREATED PER SPECIFICATIONS.

PLOT SCALE: _____

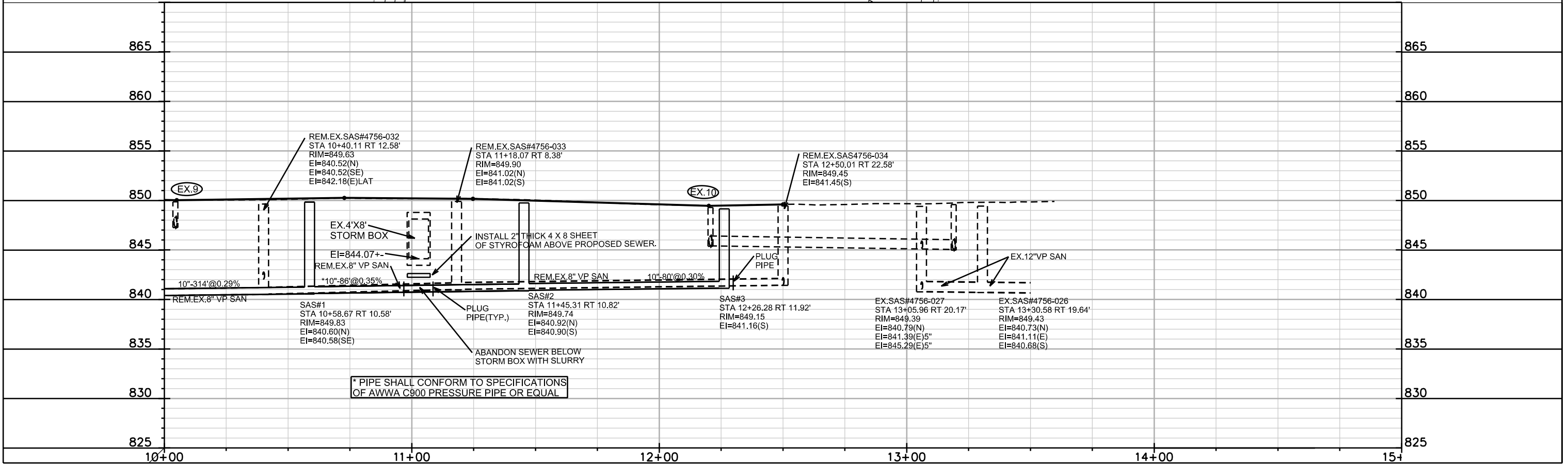
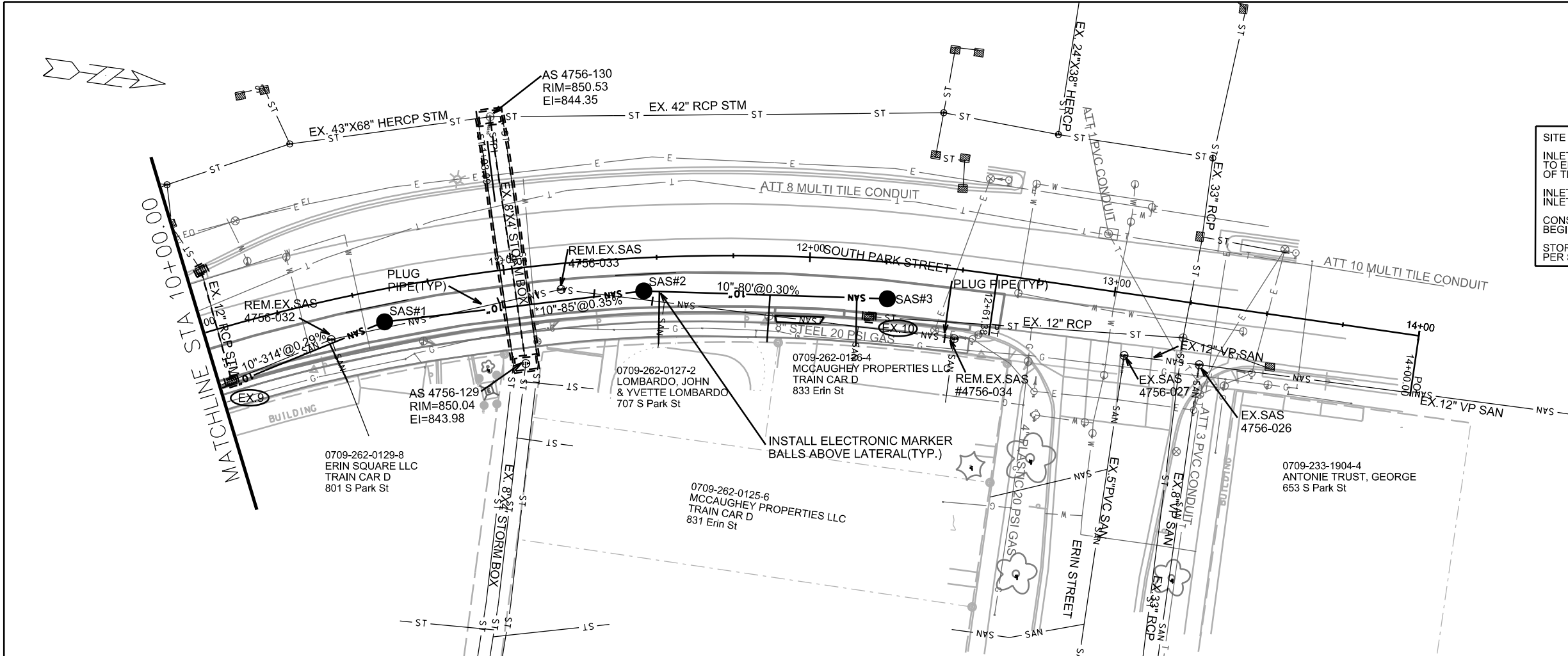
PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SITE SPECIFIC EROSION CONTROL NOTES:
 INLET PROTECTION TYPE C SHALL BE INSTALLED FROM PARR STREET TO ERIN STREET AT ALL INLETS IN THE EASTBOUND LANES OUTSIDE OF THE WORK AREA.
 INLET PROTECTION TYPE D HYBRID SHALL BE INSTALLED AT ALL INLETS WITHIN THE WORK AREA.
 CONSTRUCTION ENTRANCES/EXITS SHALL BE INSTALLED AT THE BEGINNING AND END OF WORK AREA AS NEEDED.
 STORM WATER AND GROUND WATER PUMPING SHALL BE TREATED PER SPECIFICATIONS.



* PIPE SHALL CONFORM TO SPECIFICATIONS OF AWWA C900 PRESSURE PIPE OR EQUAL

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

SANITARY SCHEDULE

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
PARK STREET						
SAS#1	10+58.67	RT-10.58	849.83	840.58	9.25	4' DIAMETER
SAS#2	11+45.31	RT-10.82	849.74	840.90	8.84	4' DIAMETER
SAS#3	12+26.28	RT-11.92	849.15	841.16	7.99	4' DIAMETER
SAS#4	4+91.72	RT-20.59	850.95	840.47	10.48	4' DIAMETER
SAS#5	2+29.58	RT-19.16	852.74	841.41	11.33	4' DIAMETER

PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PIPE TYPE
PARK STREET							
* MH02-110	SAS#4	839.85	840.47	205	0.30%	10"	PIPE SHALL CONFORM TO AWWA C900 DR 18
* SAS#4	SAS#5	840.49	841.41	307	0.30%	10"	
MH02-110	SAS#1	839.67	840.58	314	0.29%	10"	
SAS#1	SAS#2	840.60	840.9	85	0.35%	10"	PIPE SHALL CONFORM TO AWWA C900 DR 18
SAS#2	SAS#3	840.92	841.16	80	0.30%	10"	

REMOVE SANITARY STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	EX. RIM (FT)	EI	DEPTH	NOTES
PARK STREET						
4757-022	4+91.76	RT-20.53	851.23	840.73	10.50	
4756-032	10+40.11	RT-12.58	849.63	840.52	9.11	
4756-033	11+18.07	RT-8.38	849.90	841.02	8.88	
4765-034	12+50.01	RT-22.58	849.45	841.45	8.00	

SANITARY PIPES REMOVAL AND ABANDONMENTS

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	OVERALL LENGTH (FT)	PAY LENGTH (FT)	SIZE (DIA) INCH	PIPE TYPE	PAYABLE (Yes/No)	NOTES
PARK STREET							
EX. MMSD MH02-110	4757-022	250	0.00	8"	VP	No	REMOVE PIPE WITH NEW SEWER INSTALL
4757-022	SAS#5	262	0.00	8"	VP	No	REMOVE PIPE WITH NEW SEWER INSTALL
SAS#5	EX. PLUG #4857-013	43	0.00	8"	VP	YES	PLUG PIPE BOTH ENDS PAY FOR 1 PLUG
EX. MMSD MH02-110	SAS#1	314.00	0.00	8"	VP	No	REMOVE PIPE WITH NEW SEWER INSTALL
SAS#1	STA 10+97.24 RT 10.56	38	0.00	8"	VP	No	REMOVE PIPE WITH NEW SEWER INSTALL
STA 10+97.24 RT 10.56	STA 11+09.88 RT 9.21'	13	0.00	8"	VP	YES	ABANDONED WITH SLURRY
STA 11+09.88 RT 9.21'	STA 11+28.82 RT 10.65'	19	0.00	8"	VP	No	PLUG PIPE BOTH ENDS
STA 11+28.82 RT 10.65'	STA 11+47.99 RT 14.17'	19	0.00	8"	VP	No	REMOVE PIPE WITH NEW SEWER INSTALL
STA 11+47.99 RT 14.17'	4756-034	99	0.00	8"	VP	No	PLUG PIPE BOTH ENDS

ADJUST SANITARY STRUCTURES

STRUCTURE	STATION	LOCATION (OFFSET)	STRUCTURE TYPE/SIZE	EX. ADJ. HEIGHT (FT)	EX. RIM	PROP. RIM	NOTES
MH02-110	7+42.11	RT-20.34	6'X6' SQUARE MH	0.33	850.90	850.90	MMSD MANHOLE, CONTACT RAY SCHNEIDER (608)347-3628 3 DAYS PRIOR TO ADJUSTING MANHOLE CASTING; MMSD TO PROVIDE CASTING AND RUBBER ADJ. RING

STORM SEWER SCHEDULE

S. PARK ST. SANITARY PROJECT NO. 10893		SHEET NO. U-5
STORM SEWER		
S. PARK STREET	CITY OF MADISON	

STORM STRUCTURES (EXISTING)

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
EX.1	IN 4757-007	3+43.56	RT-17.66	H INLET	852.17	849.20	2.97	(1)
EX.2	IN 4756-053	6+00.11	RT-17.76	H INLET	850.67	846.38	4.29	-
EX.3	IN 4756-057	6+60.45	RT-17.76	H INLET	850.40	846.60	3.80	LP
EX.4	IN 4756-058	7+09.05	RT-17.88	H INLET	850.48	846.88	3.60	(1)
EX.5	IN 4756-147	7+76.00	RT-18.13	H INLET	850.10	847.40	2.70	-
EX.6	IN 4756-145	7+82.32	RT-18.16	H INLET	850.09	847.22	2.87	LP
EX.7	IN 4756-146	7+88.82	RT-18.19	H INLET	850.08	847.29	2.79	-
EX.8	IN 4756-819	8+76.50	RT-18.62	CURB GRATE				(2)
EX.9	IN 4756-012	10+05.00	RT-18.26	H INLET	849.85	847.30	2.55	LP
EX.10	IN 4756-037	12+20.68	RT-18.92	H INLET	849.28	846.48	2.80	LP

STORM PIPE

FROM	TO	PLAN LENGTH (FT)	PIPE LENGTH (FT)	SIZE	TYPE	NOTES
EX.2	EX.3	60	57	10"	VP	REPLACE WITH RCP
EX.3	EX.4	48	45.5	12"	RCP	-
EX.4	PVT	55	52	10"	VP	REPLACE WITH RCP
EX.6	EX.5	19	16	12"	RCP	-
EX.5	PVT	6	3	10"	VP	REPLACE WITH RCP
EX.6	EX.7	6	3	12"	RCP	-

SPECIFIC NOTES

- (1) RECONNECT EXISTING PRIVATE PIPE
- (2) REMOVE, SALVAGE, INSTALL - INCLUDED IN BID ITEM 90031

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
- 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 ERIC DUNDEE OF CITY ENGINEERING AT (608) 266-4913 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608)264-9275.

CROSS SECTIONS

SOUTH PARK STREET

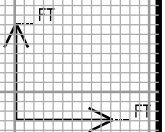
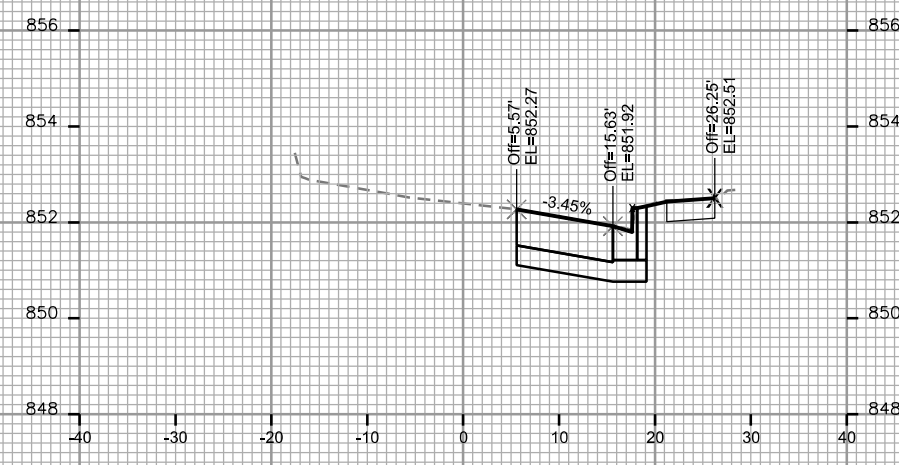
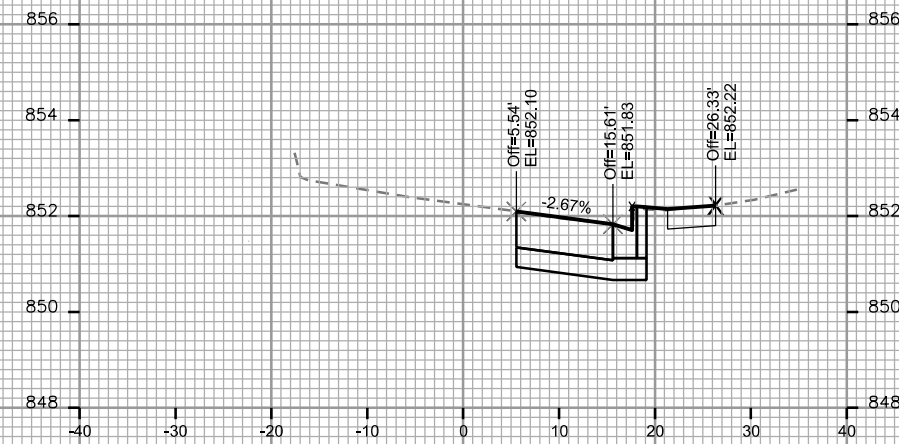
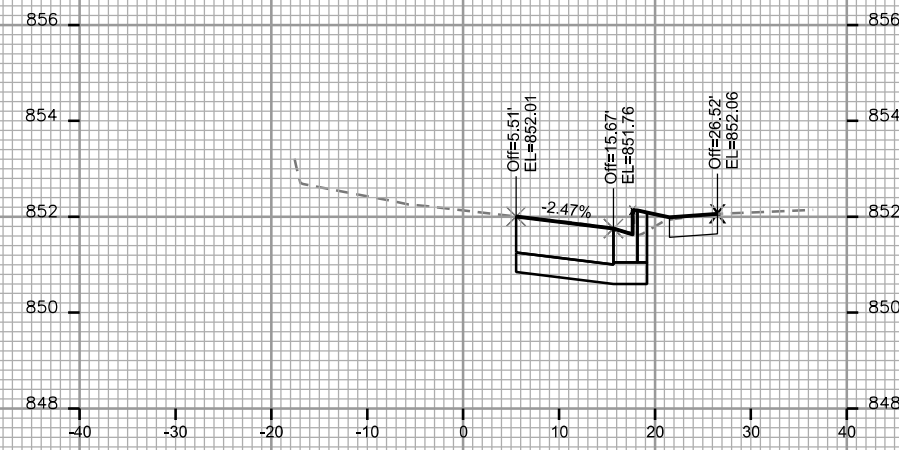
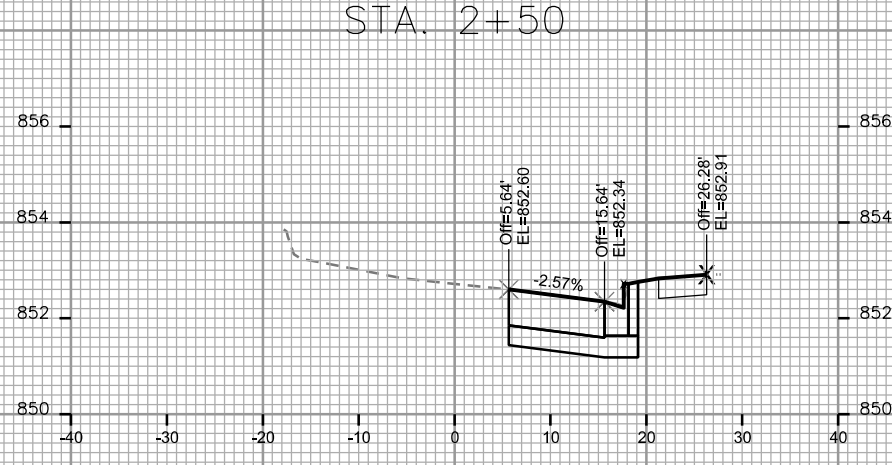
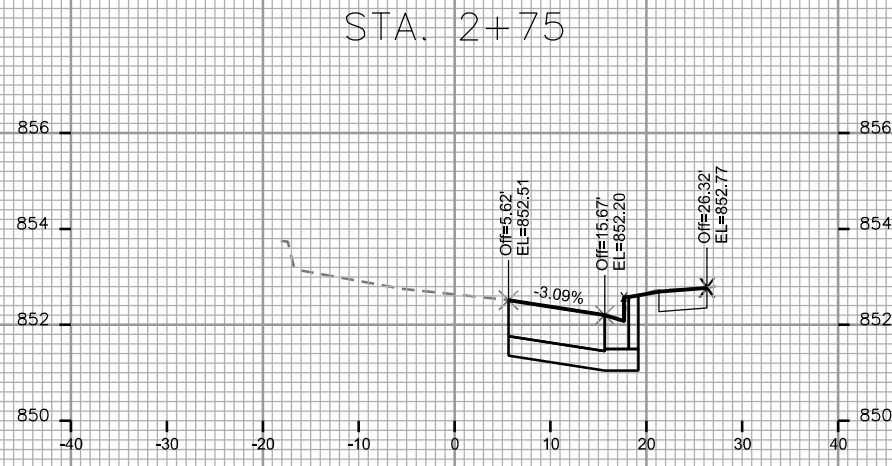
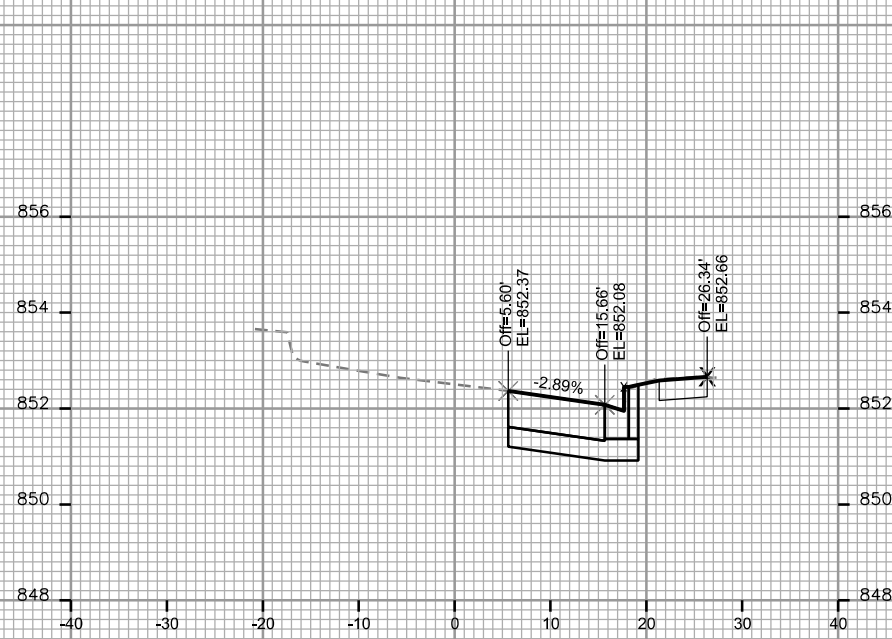
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SOUTH PARK STREET

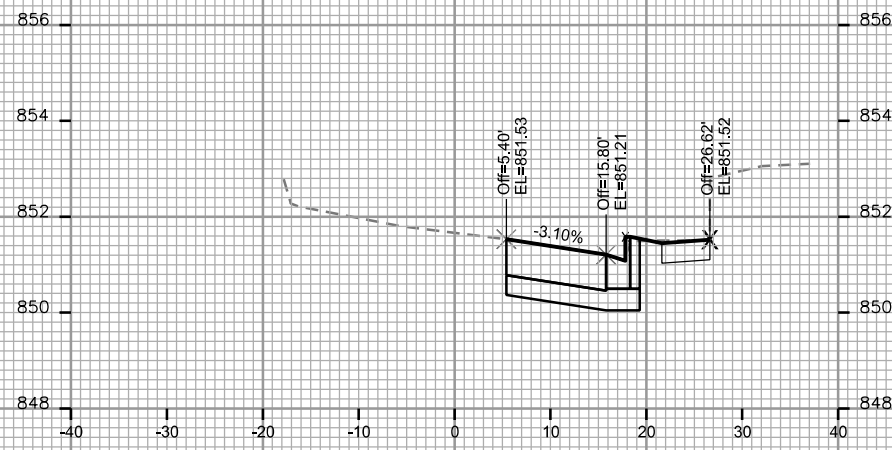
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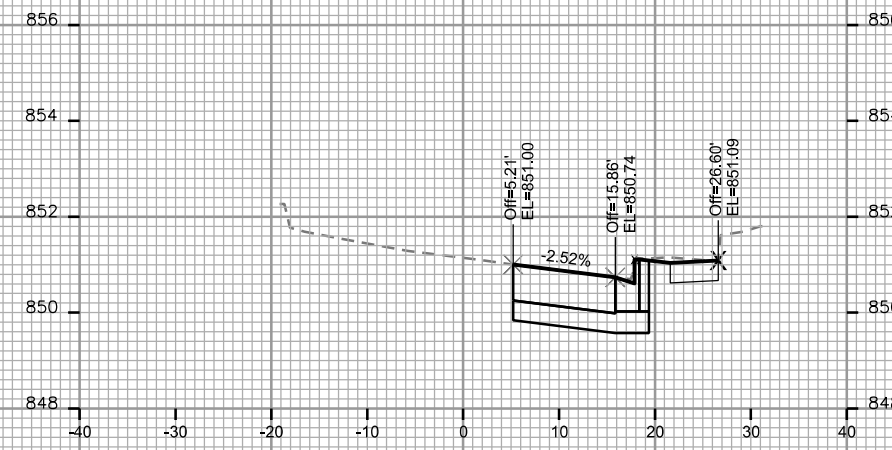
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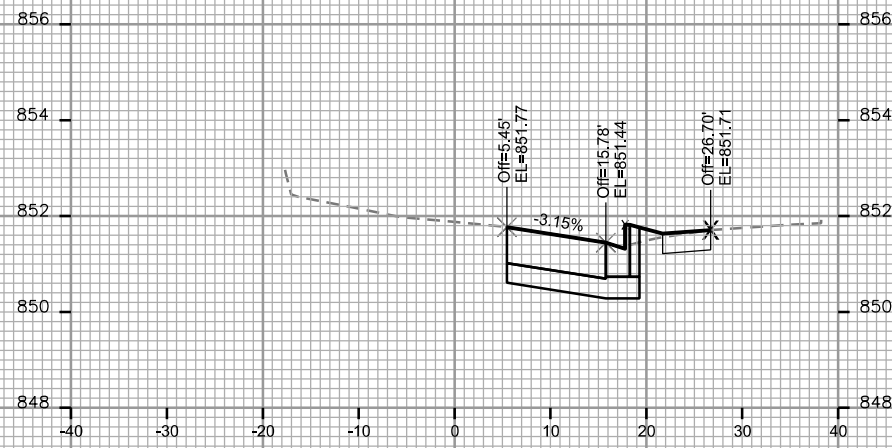
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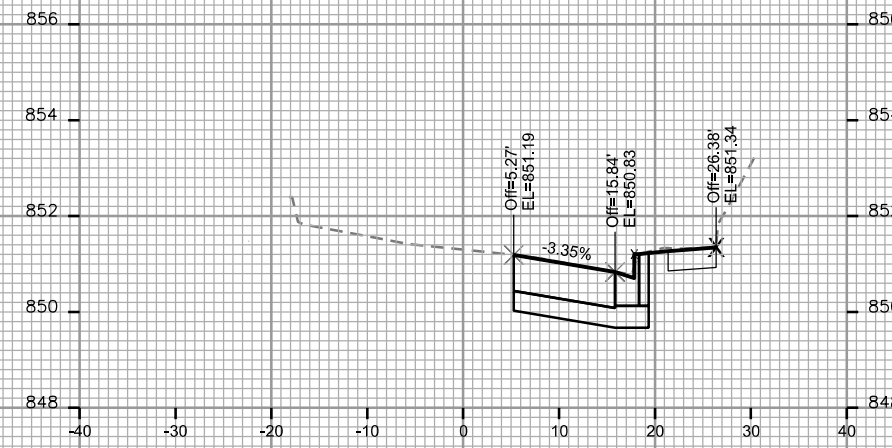
STA. 4+25



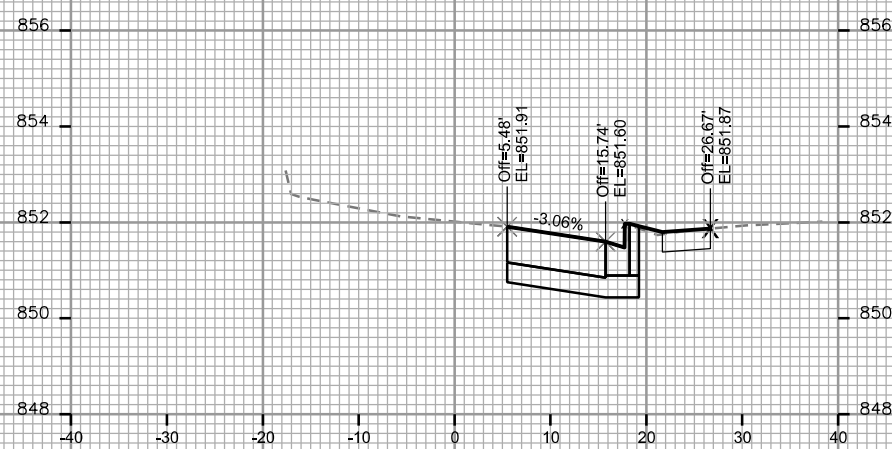
STA. 5+00



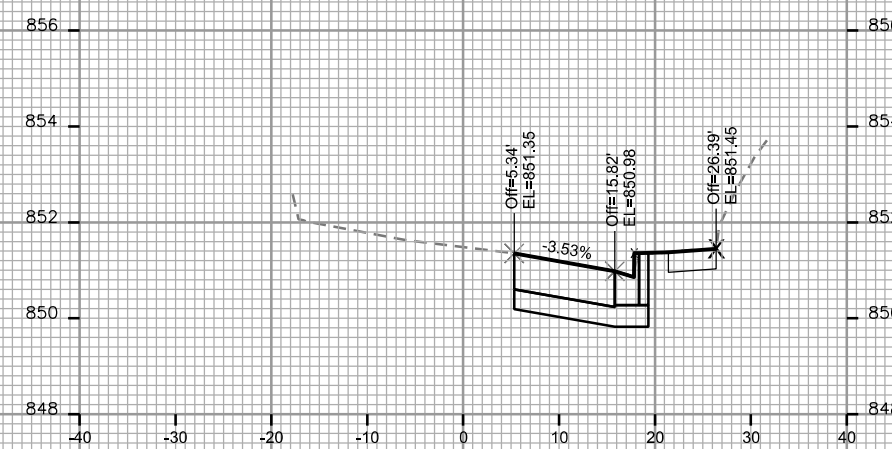
STA. 4+00



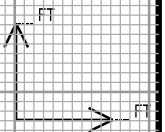
STA. 4+75



STA. 3+75



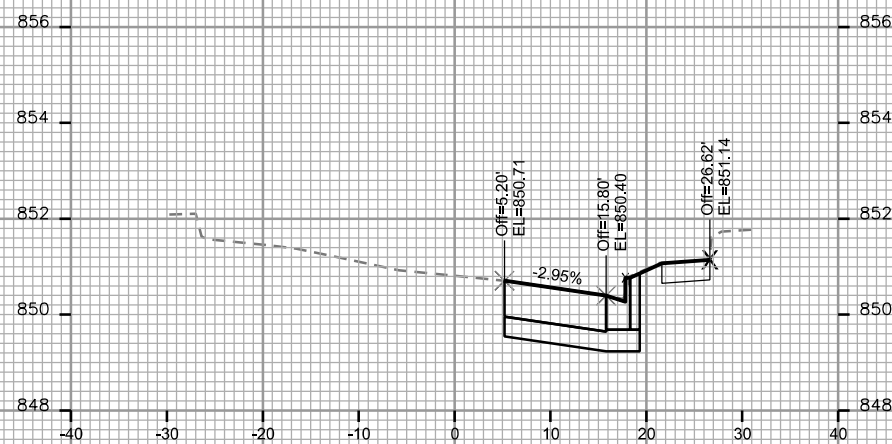
STA. 4+50



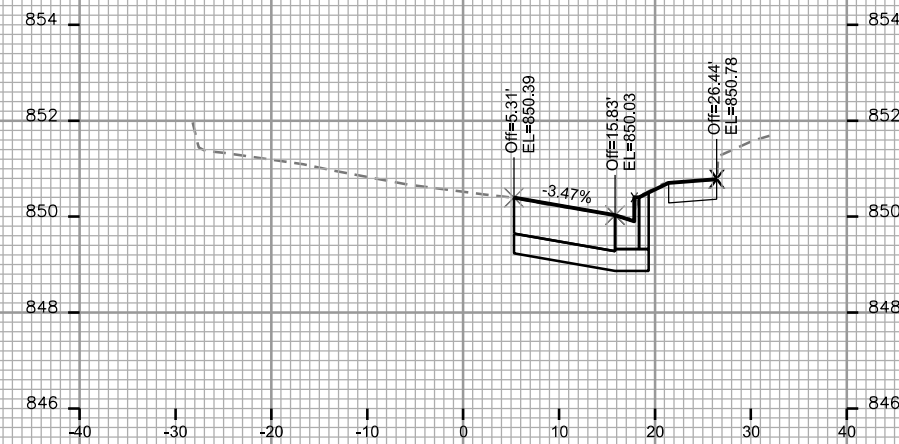
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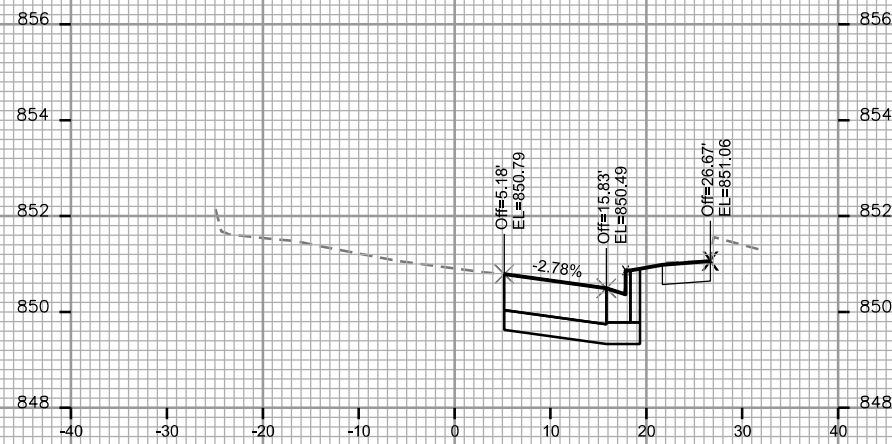
CITY OF MADISON



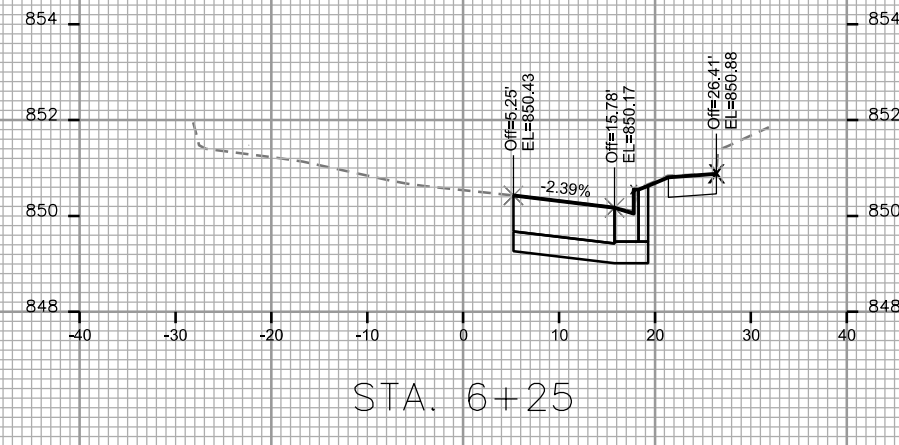
STA. 5+75



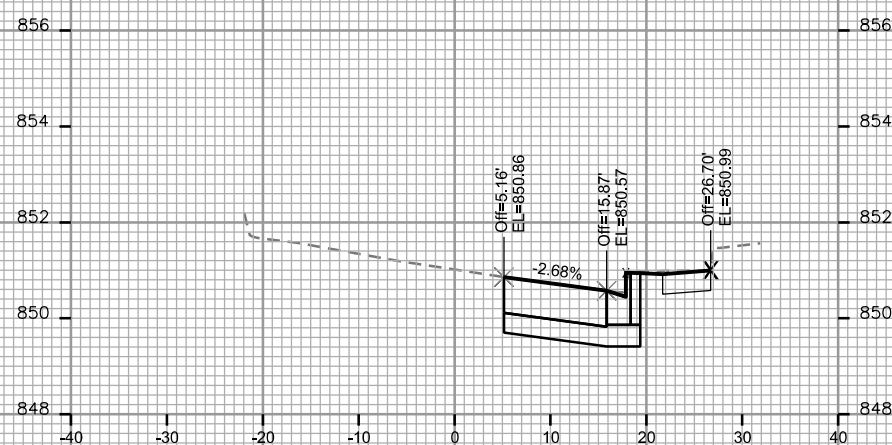
STA. 6+50



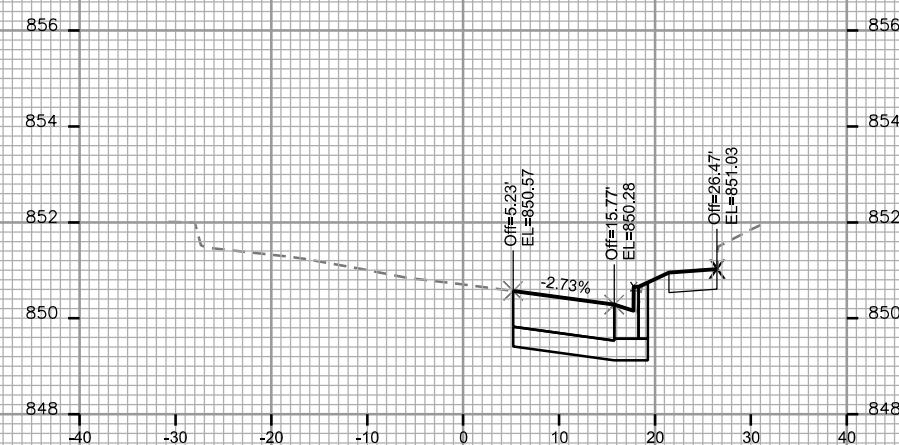
STA. 5+50



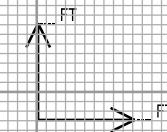
STA. 6+25



STA. 5+25



STA. 6+00



PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

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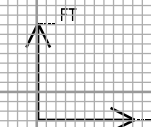
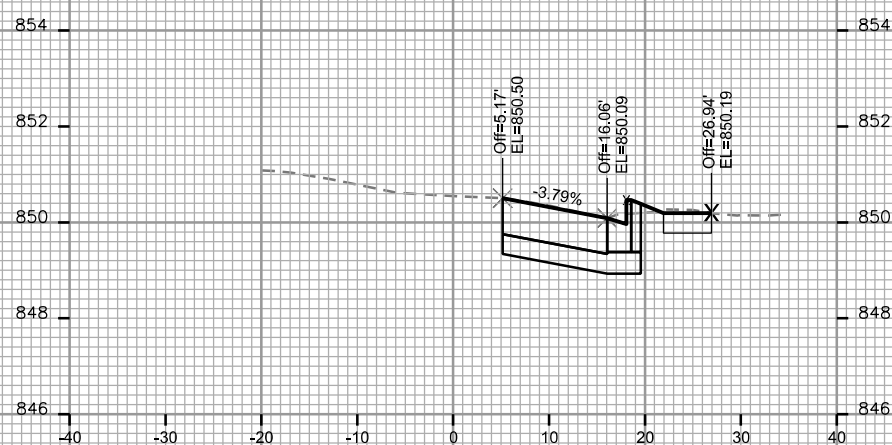
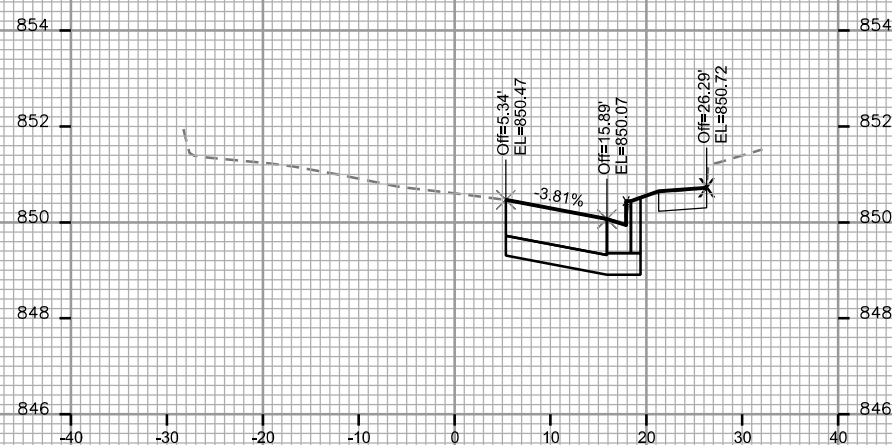
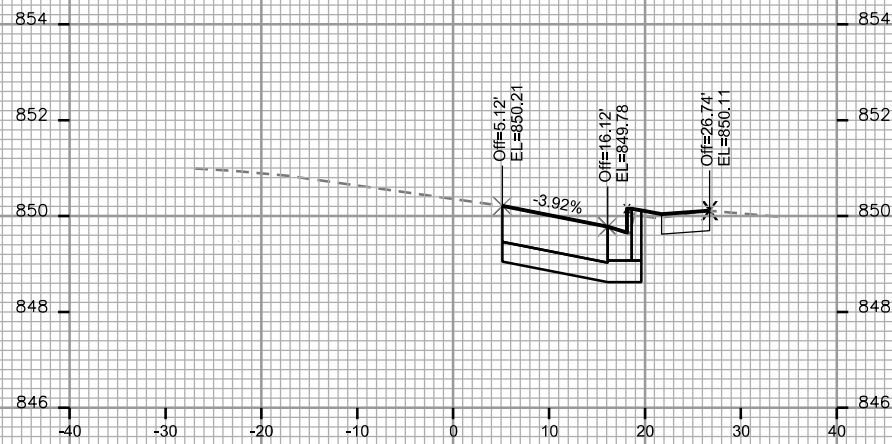
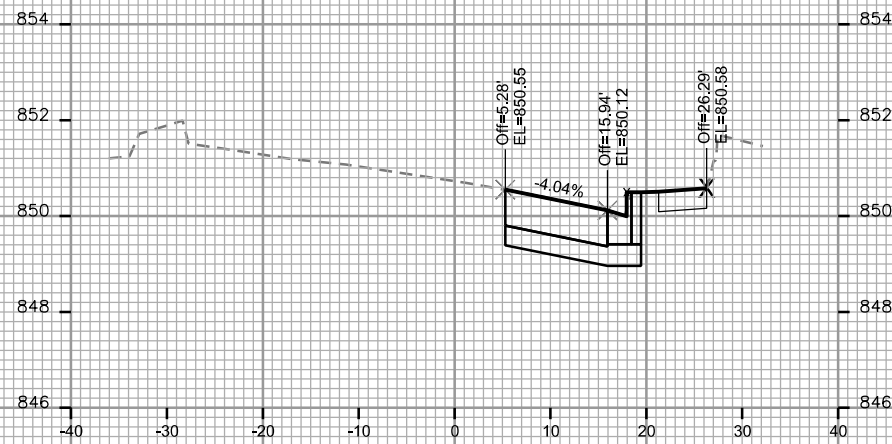
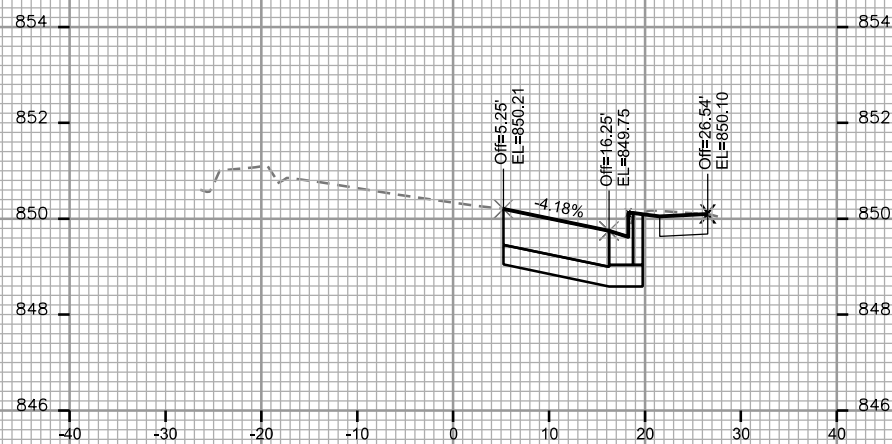
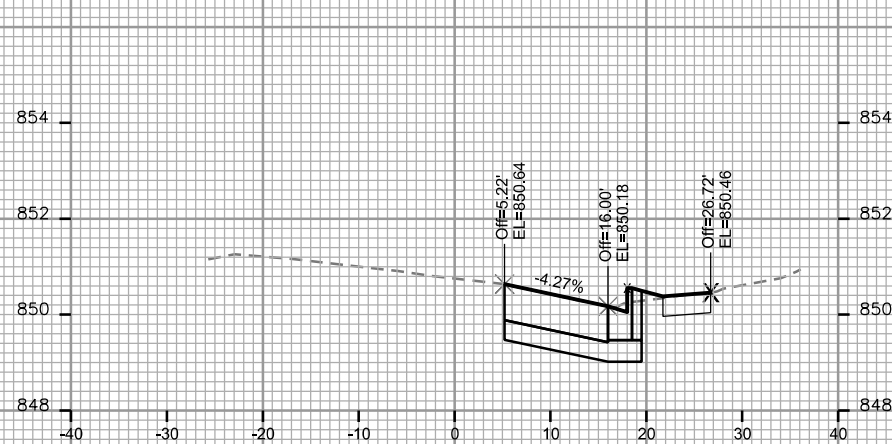
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

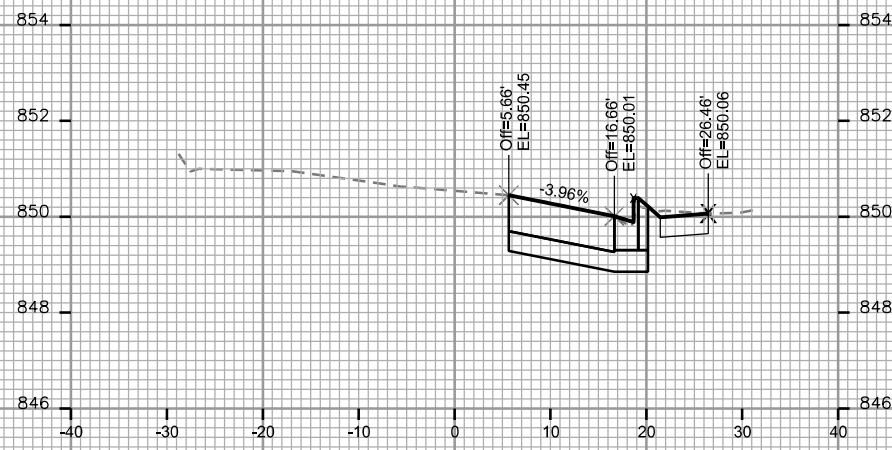
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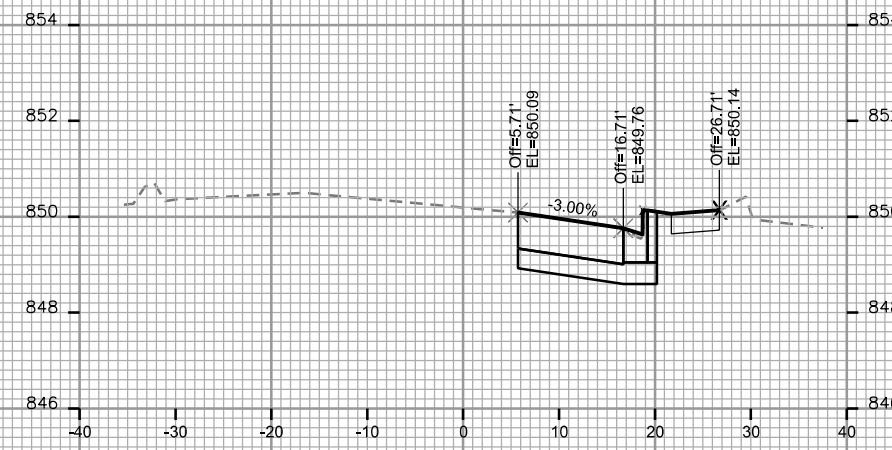
CROSS SECTIONS

SOUTH PARK STREET

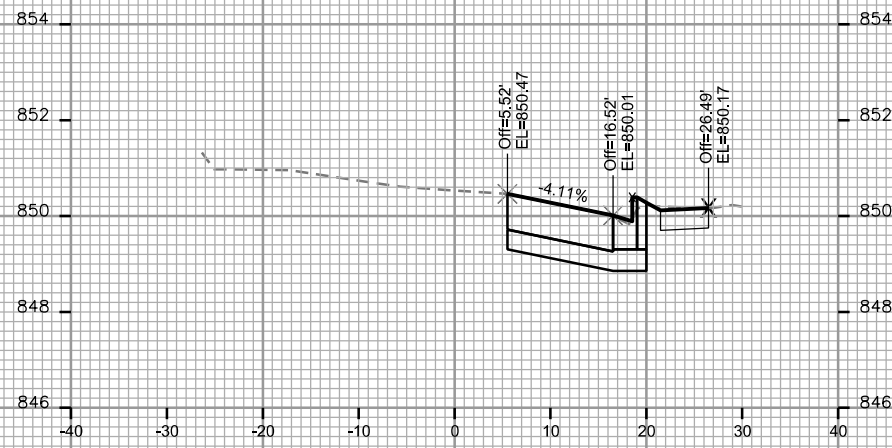
CITY OF MADISON



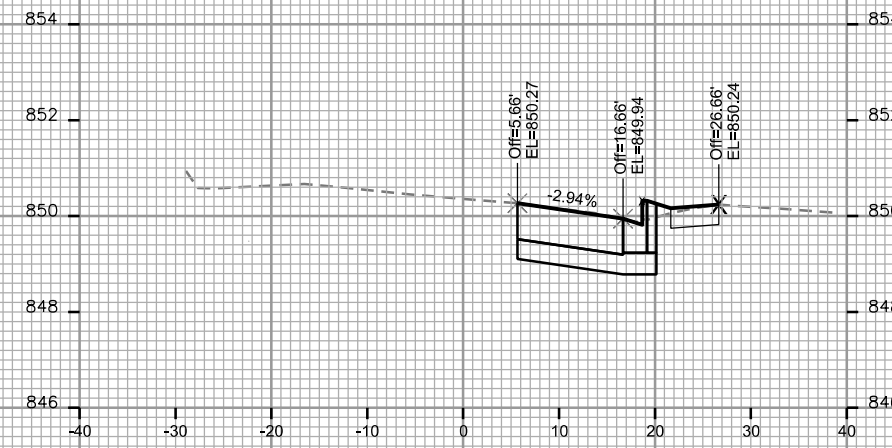
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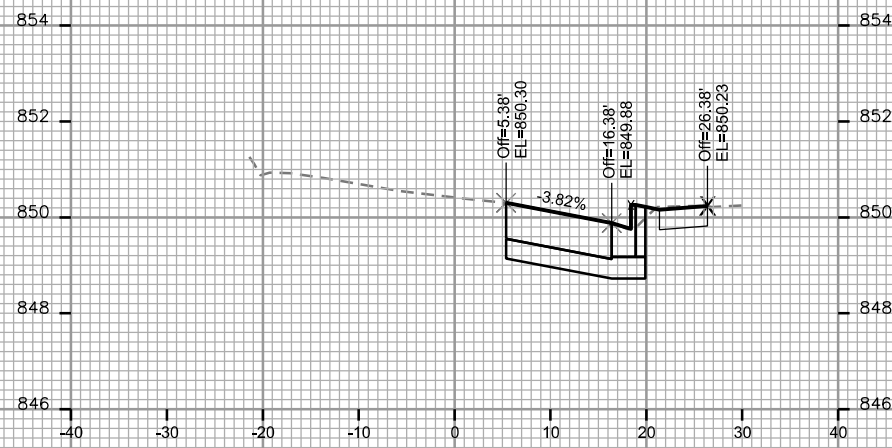
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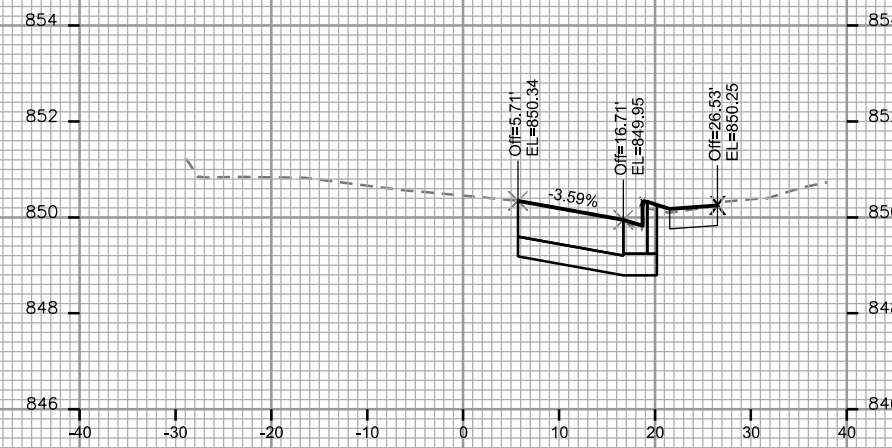
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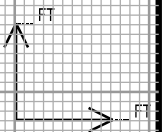
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STA. 8+25



STA. 9+00



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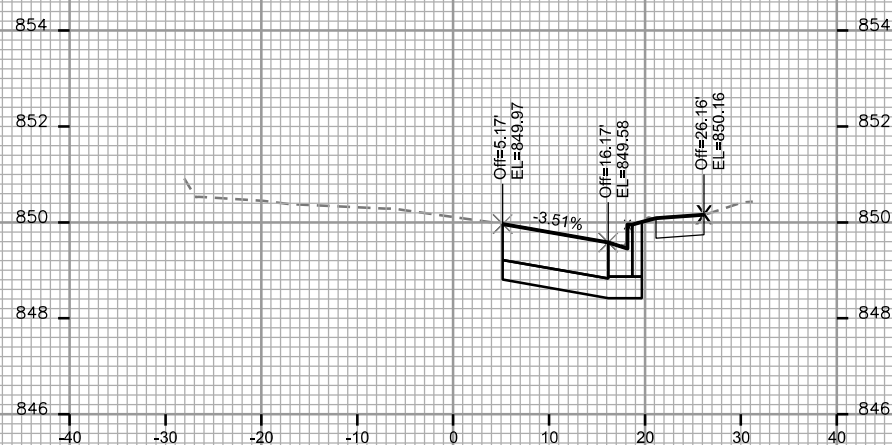
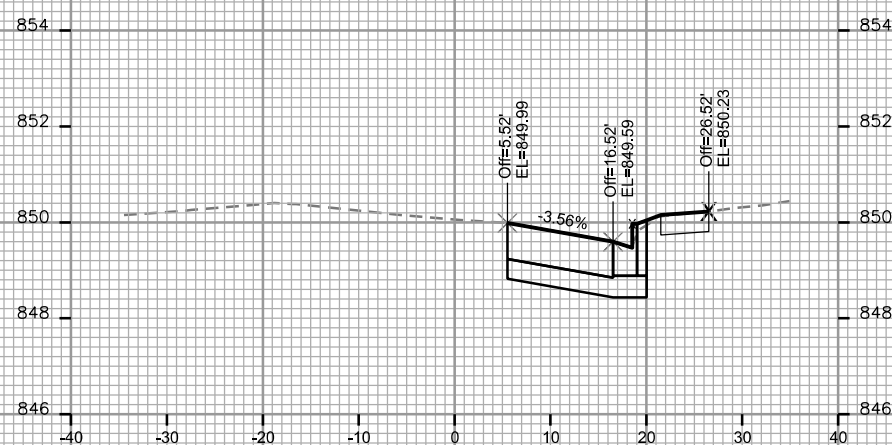
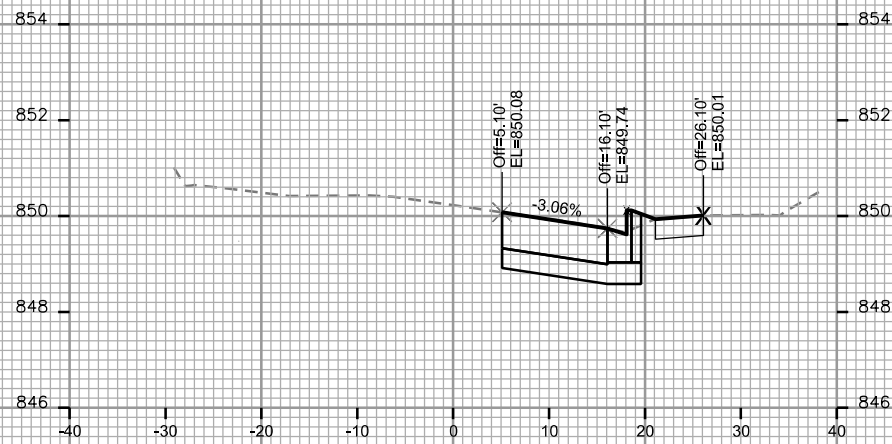
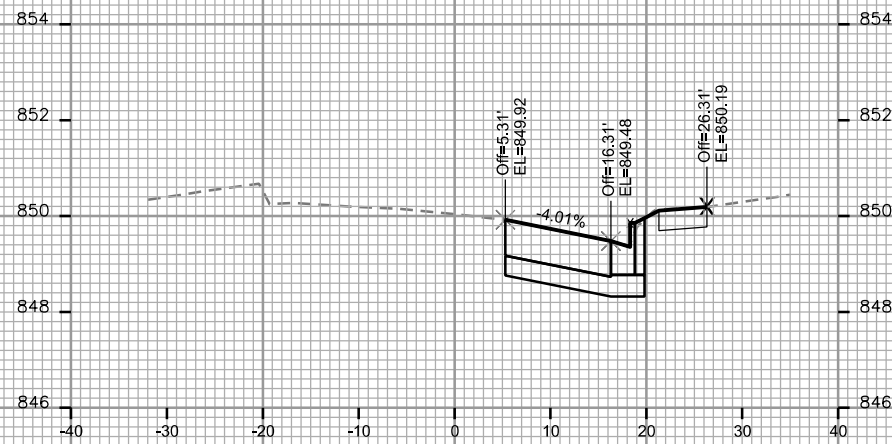
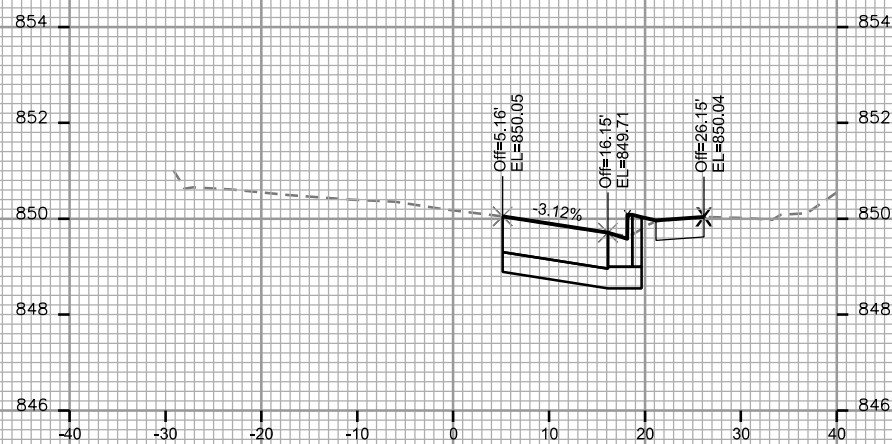
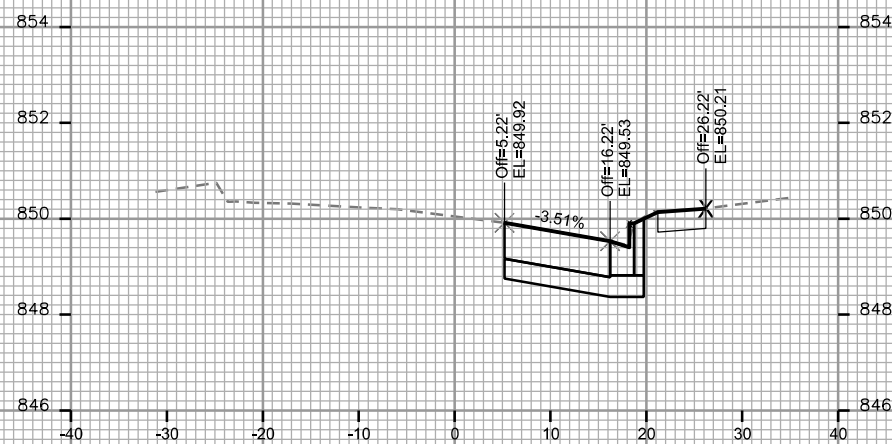
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