

Madison, Wisconsin

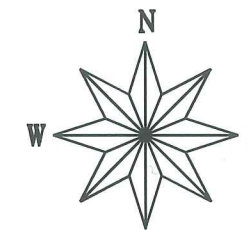
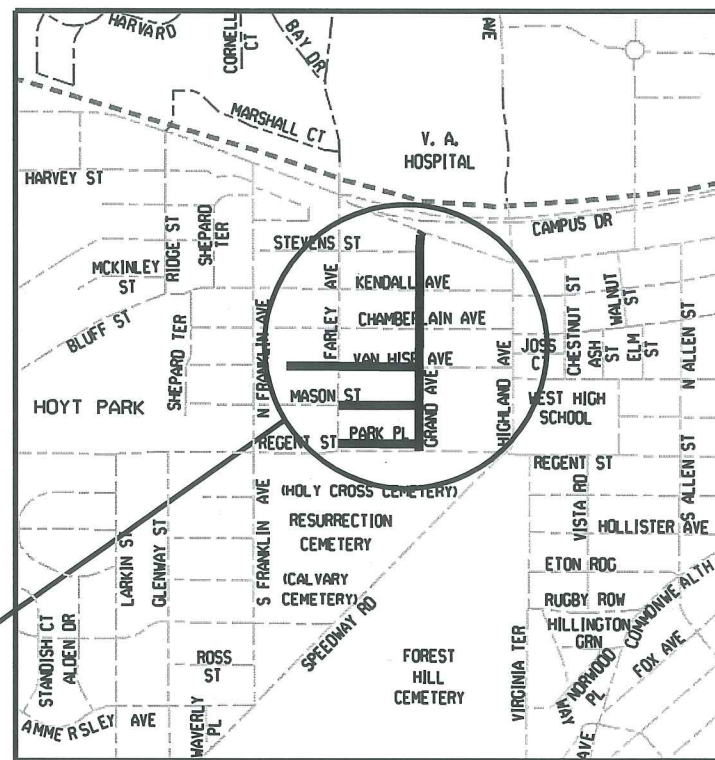
CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

GRAND AVENUE, VAN HISE AVENUE, PARK PLACE
& MASON STREET ASSESSMENT DISTRICT-2017

CITY PROJECT NO. 10898
CITY CONTRACT NO. 7842



CONSTRUCTION PROJECT LOCATION

INDEX OF SHEETS

SHEET NO.	TITLE
1	1
DI-D3	DETAILS
EC1-E11	EROSION CONTROL PLANS
P1-P4	STREET PLAN & PROFILES-GRAND AVE
P5-P6	STREET PLAN & PROFILES-MASON ST
P7-P8	STREET PLAN & PROFILES-PARK PLACE
P9-P11	STREET PLAN & PROFILES-VAN HISE AVE
PM1-PM7	PAVEMENT MARKING PLAN
TC-1	TRAFFIC CONTROL PLAN
U1-U4	UTILITY PLAN & PROFILES-GRAND AVE
U5-U6	UTILITY PLAN & PROFILES-MASON ST
U7-U8	UTILITY PLAN & PROFILES-PARK PL
U9-U11	UTILITY PLAN & PROFILES-VAN HISE AVE
U12-U13	STORM SEWER SCHEDULES
U14-U15	SANITARY SEWER SCHEDULES
W1-W4	WATER PLAN & PROFILES-GRAND AVE
W5-W6	WATER PLAN & PROFILES-MASON ST
W7-W8	WATER PLAN & PROFILES-PARK PL
W9-W11	WATER PLAN & PROFILES-VAN HISE AVE
W12-W13	EXISTING WATER SYSTEM IMPACT PLAN
W14	WATER ESTIMATE OF MATERIALS/DETAILS
XI-X35	CROSS SECTIONS

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	[Symbol]
COMBUSTIBLE FLUIDS	[Symbol]

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 (GRAND AVE) (MEASURED PLAN QUANTITY).....	1953 C.Y.
EXCAVATION CUT (MASON ST) (MEASURED PLAN QUANTITY).....	577 C.Y.
EXCAVATION CUT (PARK PL) (MEASURED PLAN QUANTITY).....	633 C.Y.
EXCAVATION CUT (VAN HISE AVE) (MEASURED PLAN QUANTITY).....	1123 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	1588 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	5874 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

JANUARY 3, 2017

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

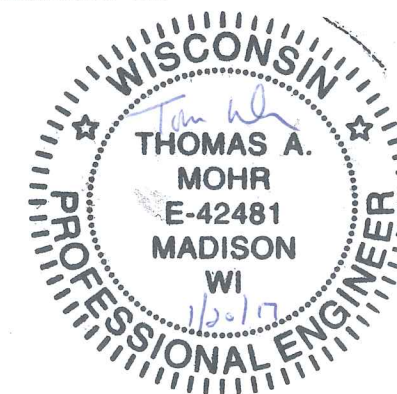
City Engineer

Date

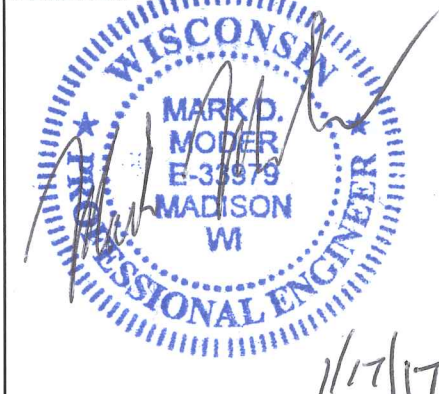
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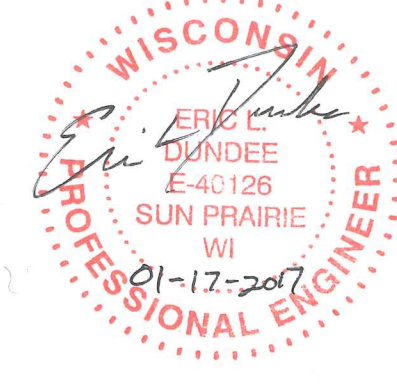
TRAFFIC CONTROL DESIGNED BY:



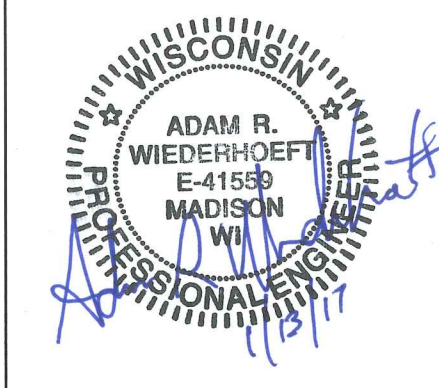
SANITARY SEWER DESIGNED BY:



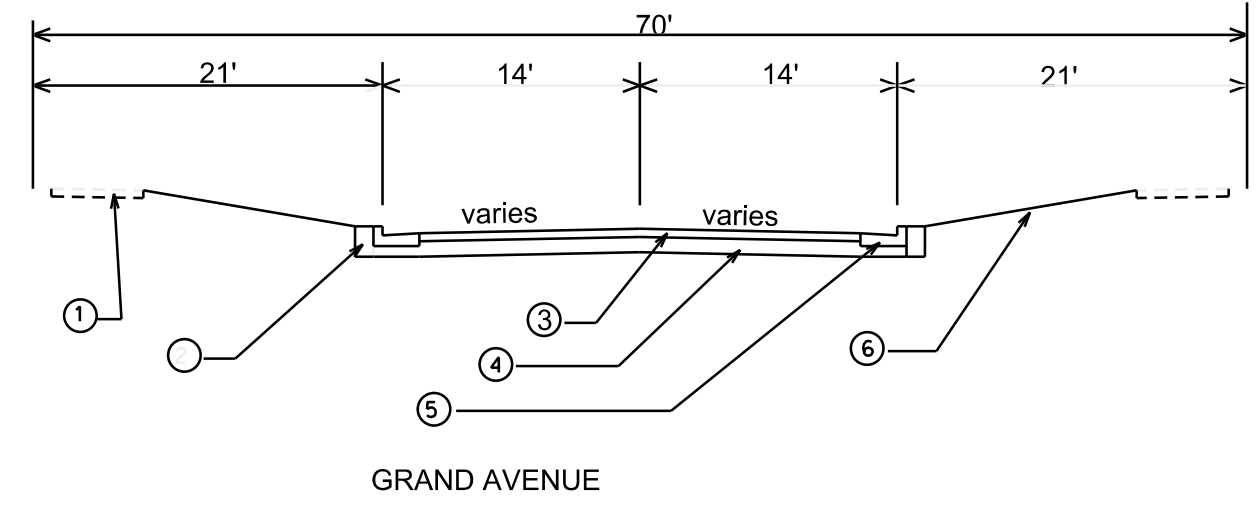
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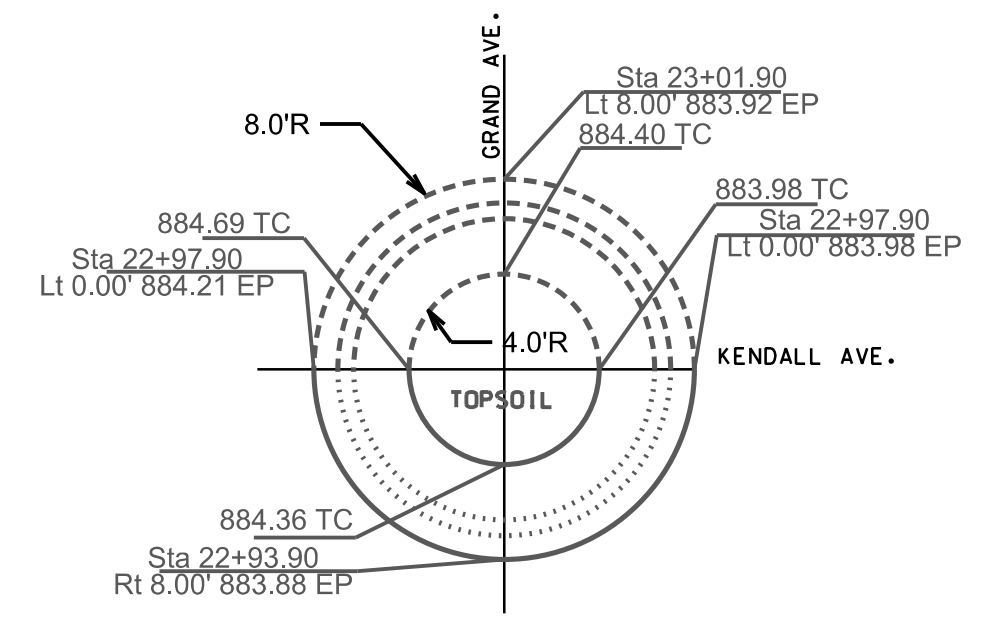
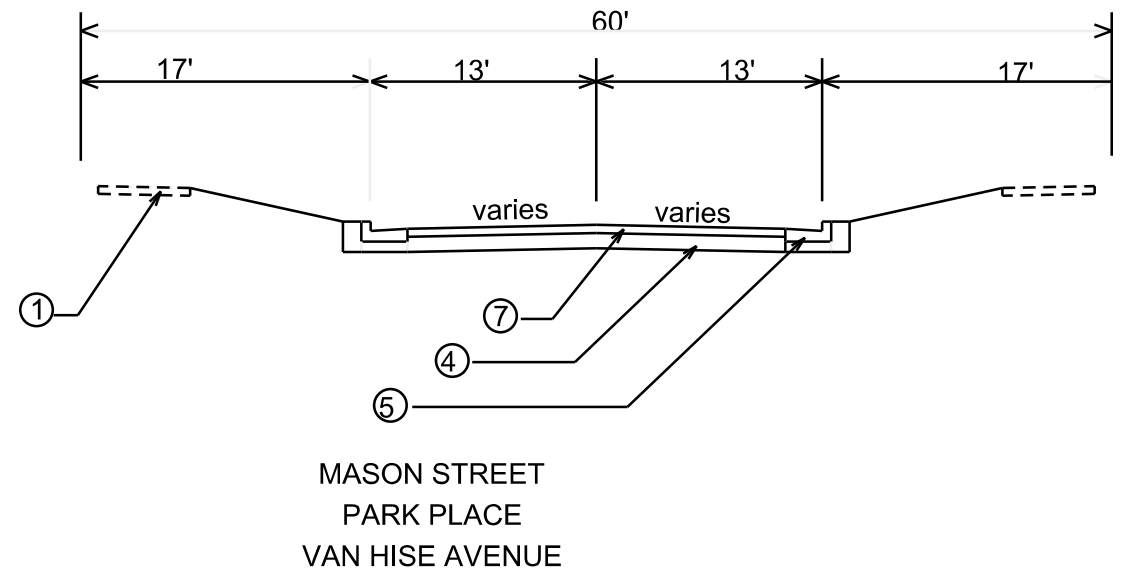
WATER DESIGNED BY:



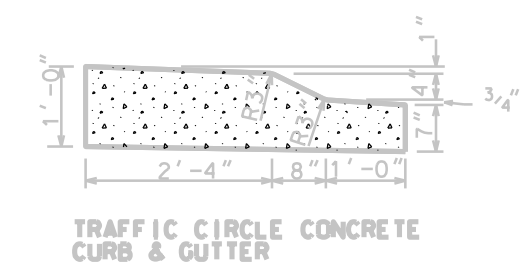
TYPICAL SECTIONS
 GRAND, MASON,
 PARK PL., VAN HISE CITY OF MADISON



- ① EX. 5" CONC. SW
- ② FILL
- ③ 4-1/4" HMA PAV'T TYPE E-1
- ④ 4" C.A.B.C.GR. 2
6" C.A.B.C.GR. 1
- ⑤ TYPE A CONC. C&G
- ⑥ 4" TOPSOIL, SEED & MATTING
- ⑦ 3-1/2" PAV'T TYPE E-0.3



TRAFFIC CIRCLE DETAIL
 NOT TO SCALE



TRAFFIC CIRCLE CONCRETE CURB & GUTTER

PLOT SCALE: _____

PLOT NAME: _____

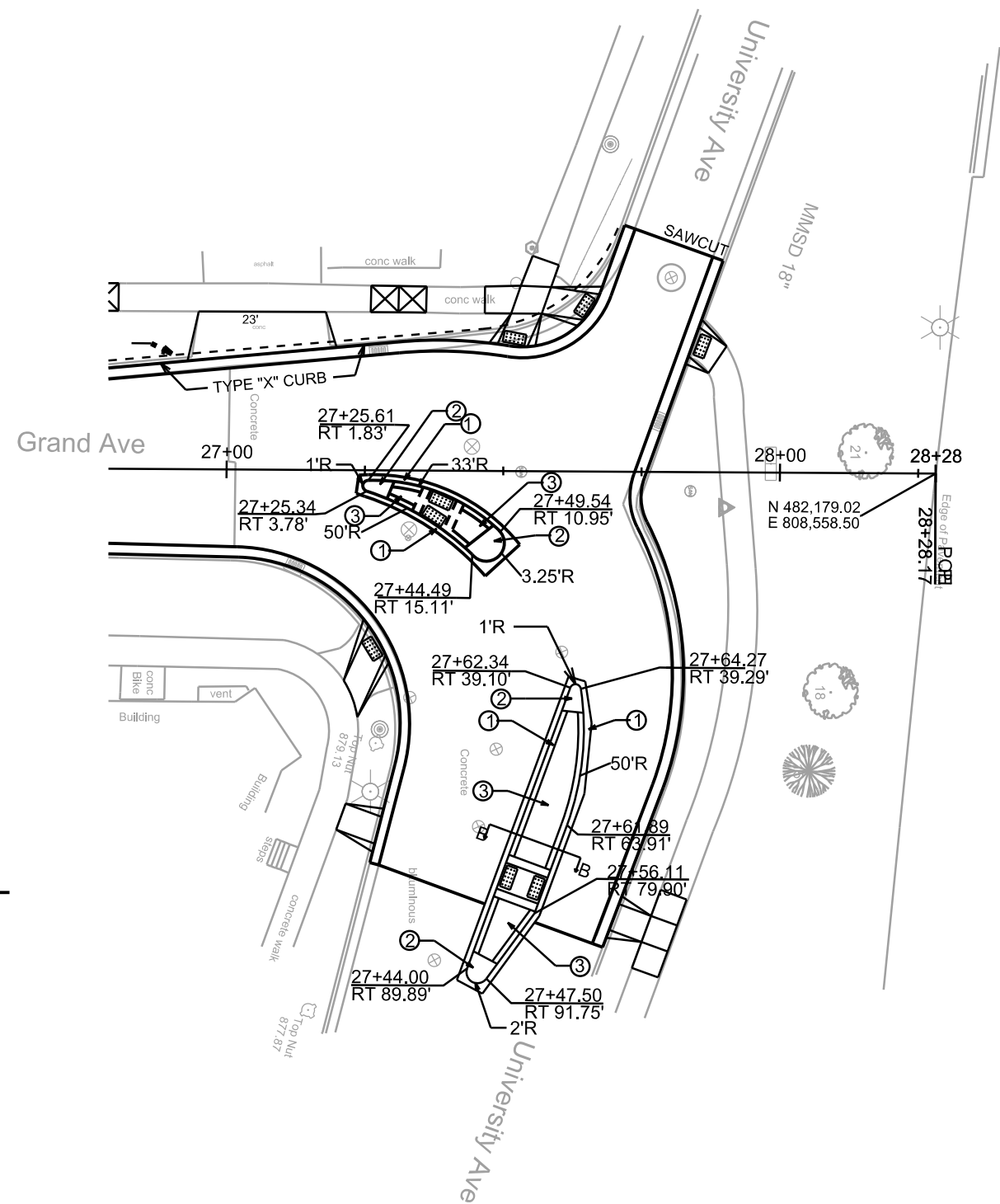
REV. DATE: _____

ORIGINATOR: _____

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TYPICAL SECTIONS
GRAND MASON,
PARK PL, VAN HISE CITY OF MADISON

- ① TYPE "E" CONCRETE C&G
- ② CONCRETE MOUNTABLE MEDIAN NOSE
- ③ 7" CONCRETE SIDEWALK



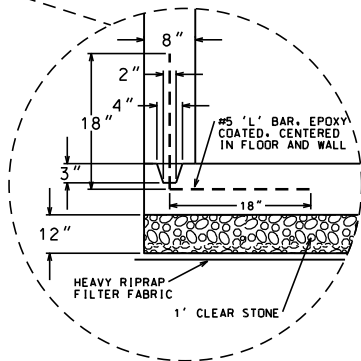
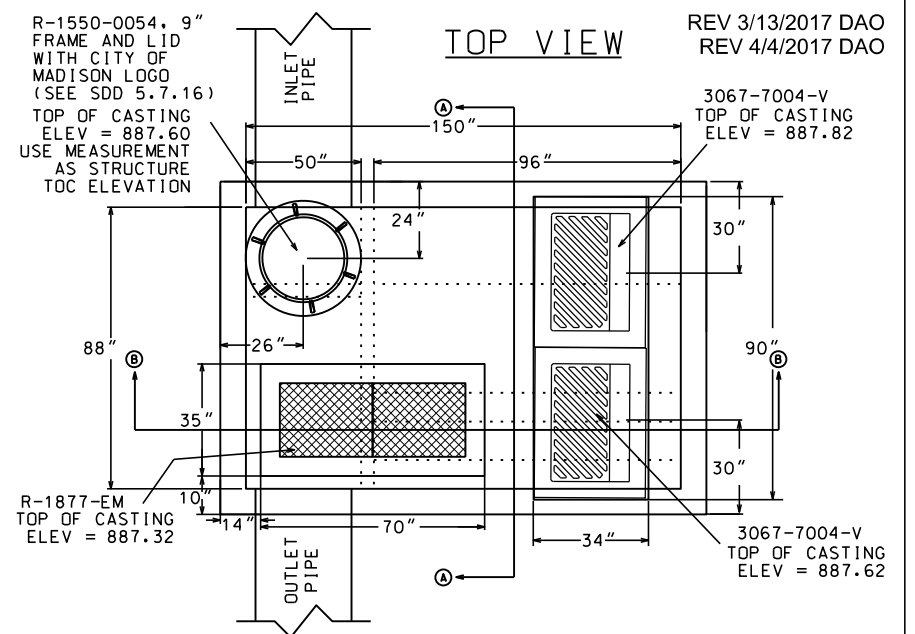
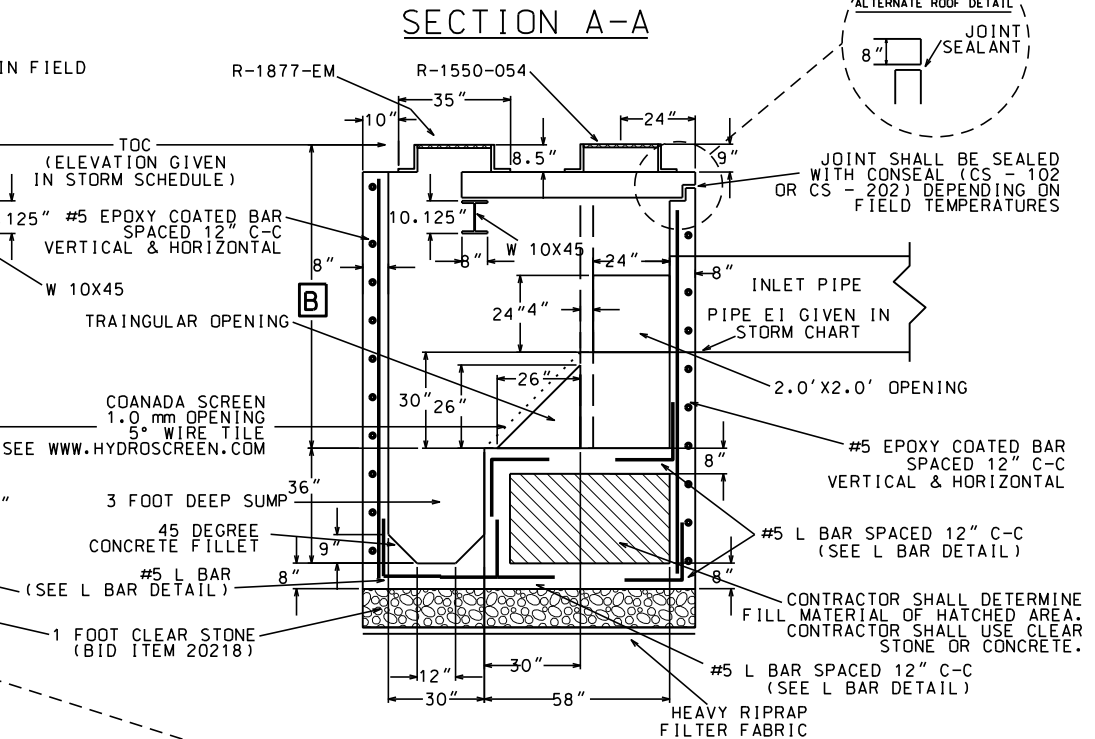
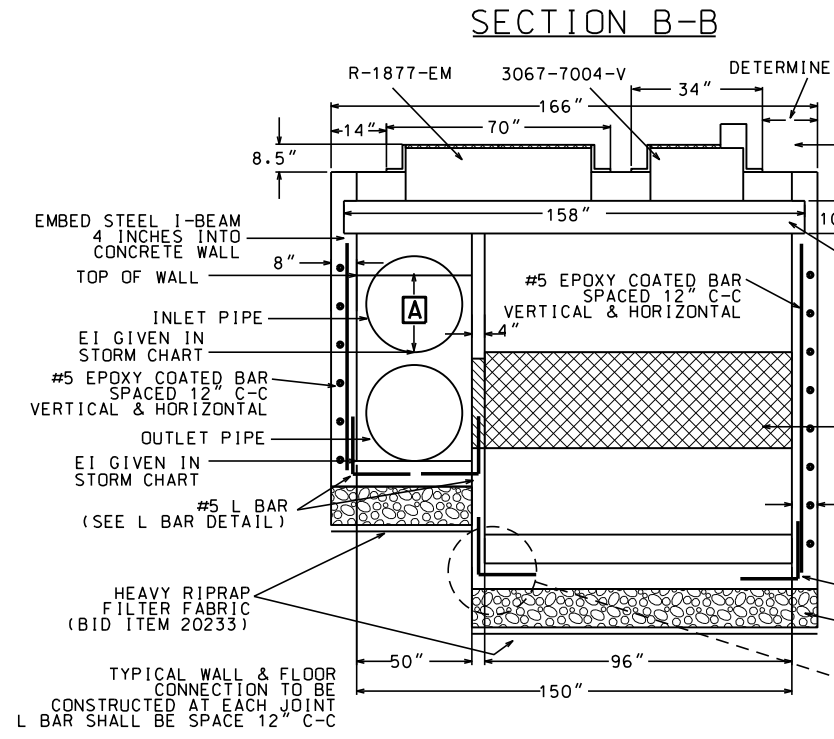
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PLOT SCALE:

PLOT NAME:

REV. DATE:

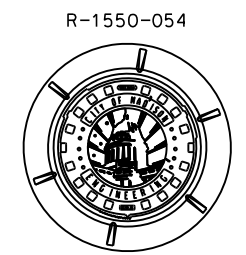
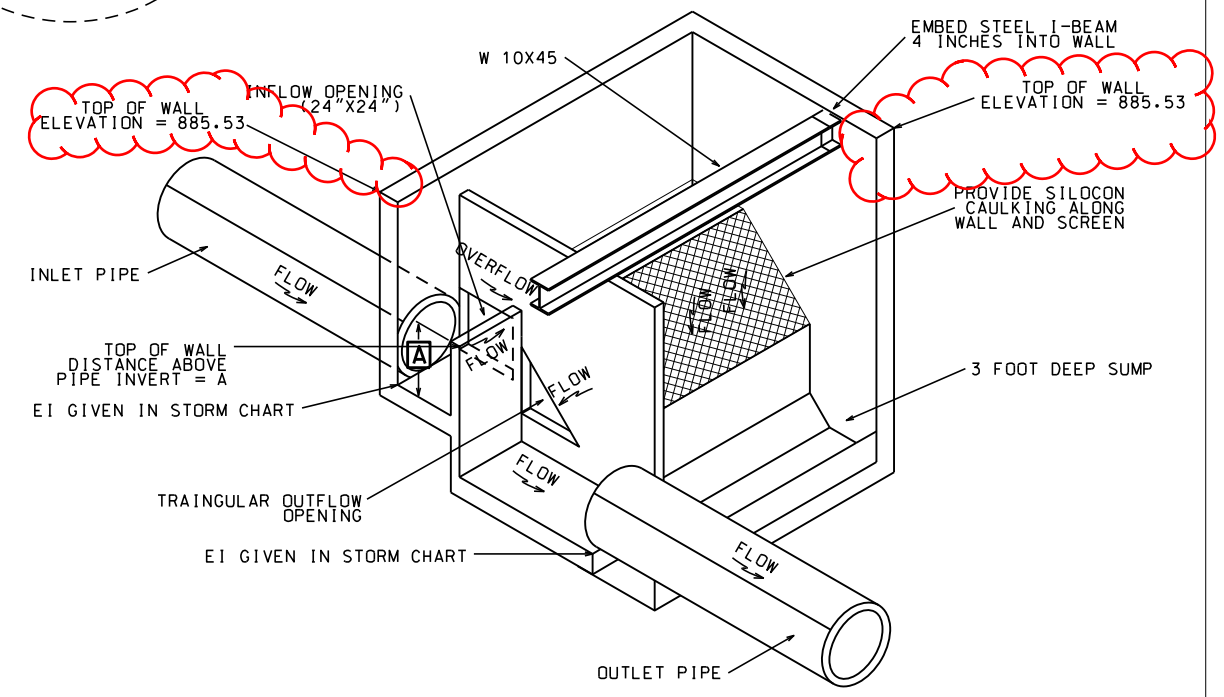
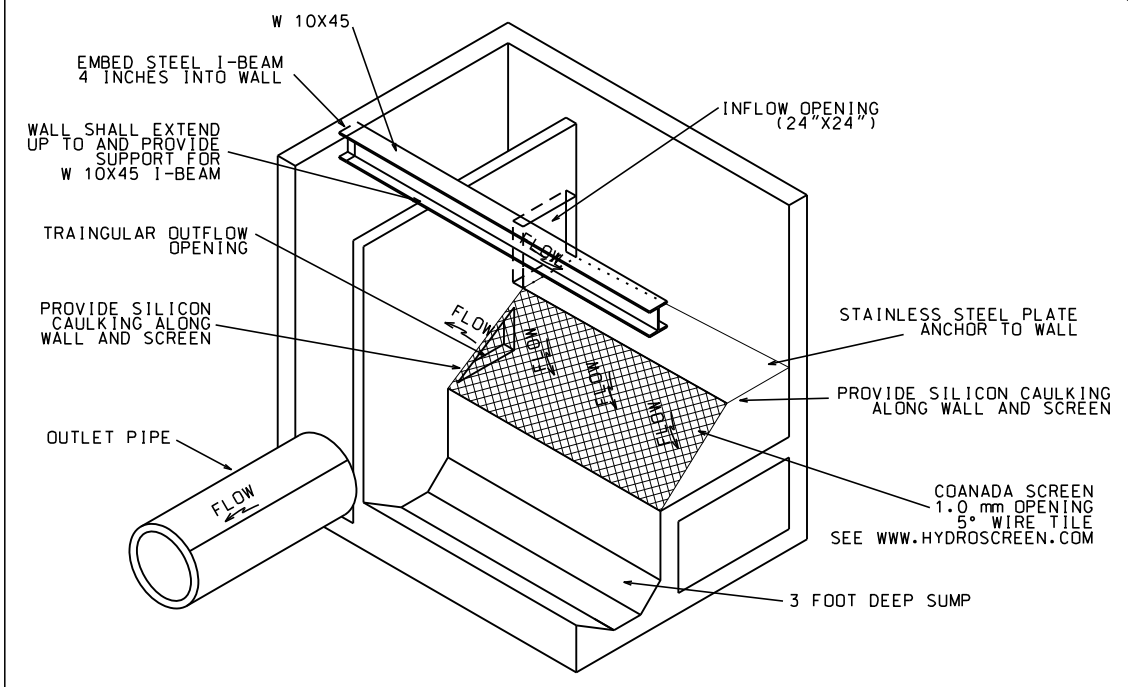
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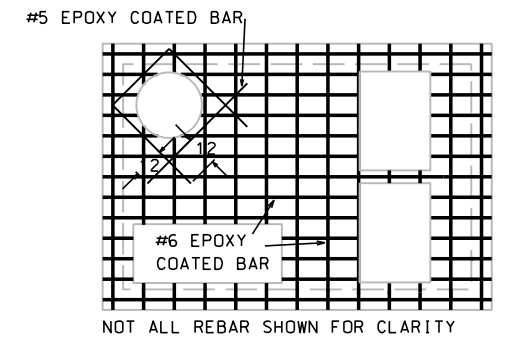
PIPE SIZE	DIMENSION A	DIMENSION B
24"	15"	92"

NE ISOMETRIC VIEW (SIDEWALLS & ROOF NOT SHOWN)

NW ISOMETRIC VIEW (SIDEWALLS & ROOF NOT SHOWN)



ROOF REINFORCEMENT



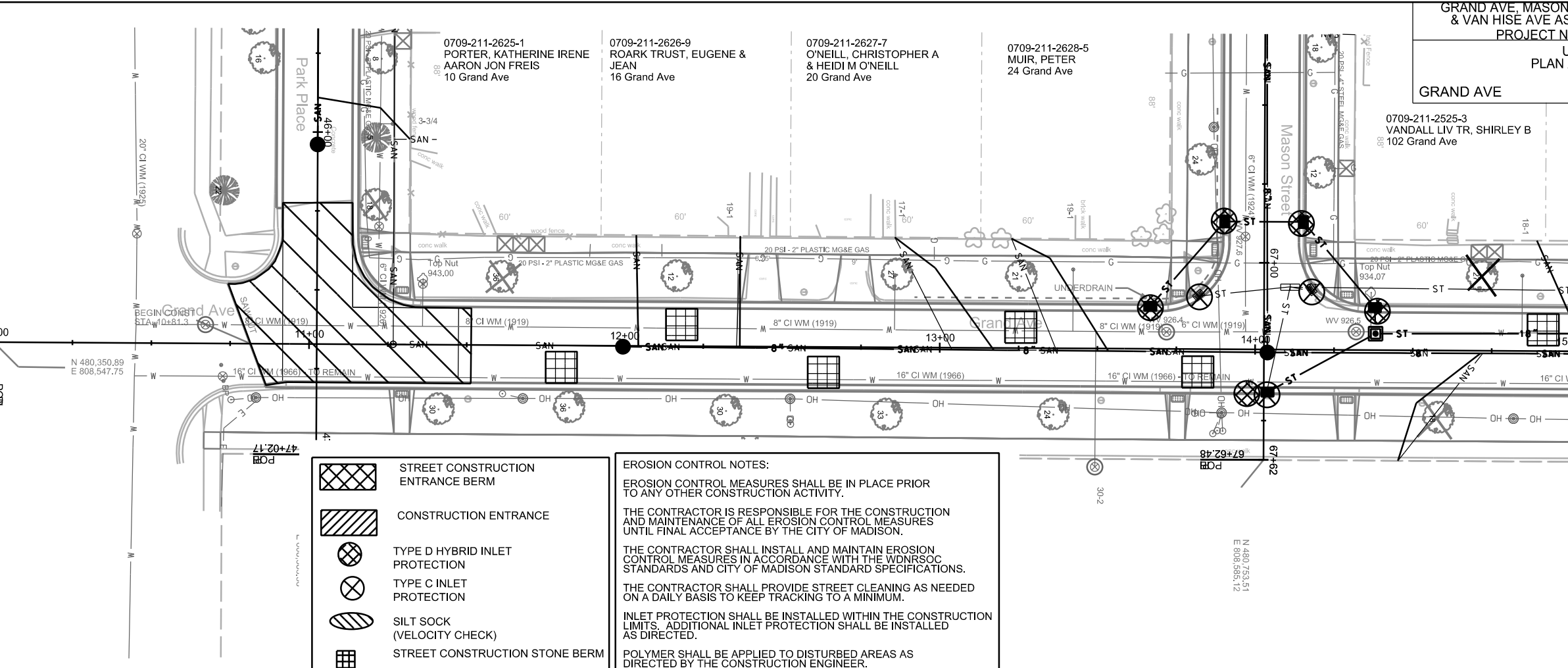
- ROOF REINFORCEMENT NOTES:**
1. EPOXY COATED REBARS SHALL BE USED IN ALL CASES
 2. #6 REBARS PLACED ON 6" CENTERS
 3. 3" CLEAR SHALL BE MAINTAINED
 4. ROOF THICKNESS SHALL BE 8" MINIMUM

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



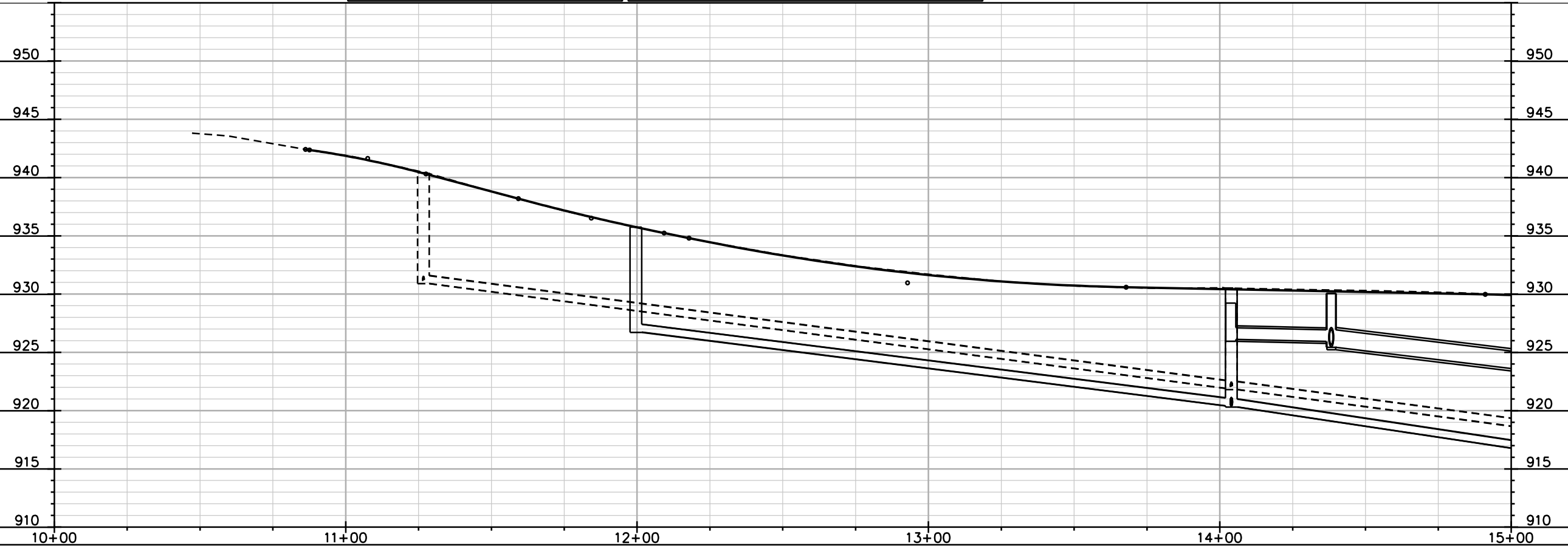
MATCHLINE STA 10+00.00

MATCHLINE STA 15+00.00



- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
- SILT SOCK (VELOCITY CHECK)
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EROSION CONTROL NOTES:
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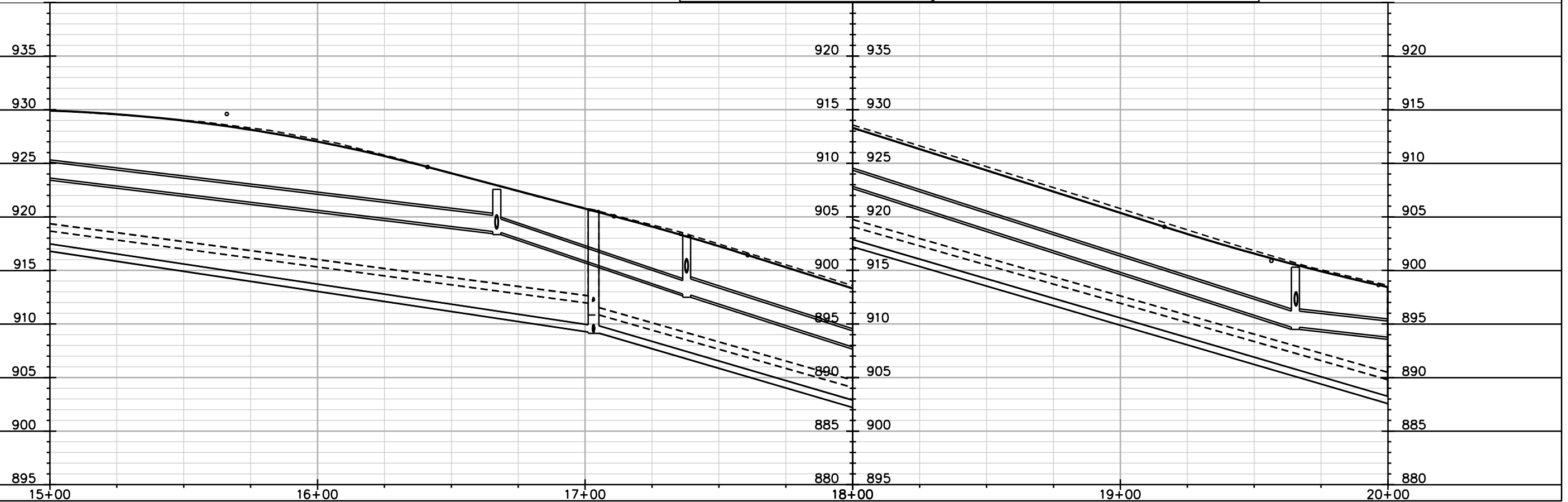
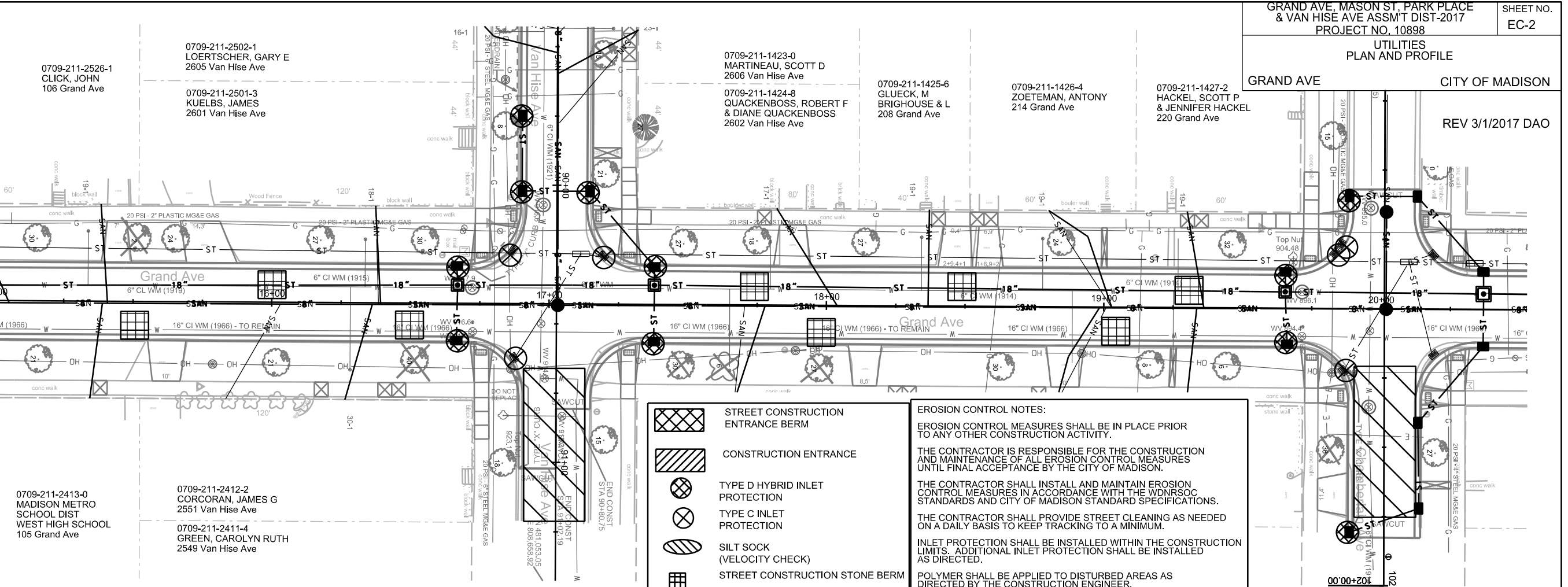
UTILITIES
PLAN AND PROFILE

GRAND AVE CITY OF MADISON

REV 3/1/2017 DAO



MATCHLINE STA 15+00.00

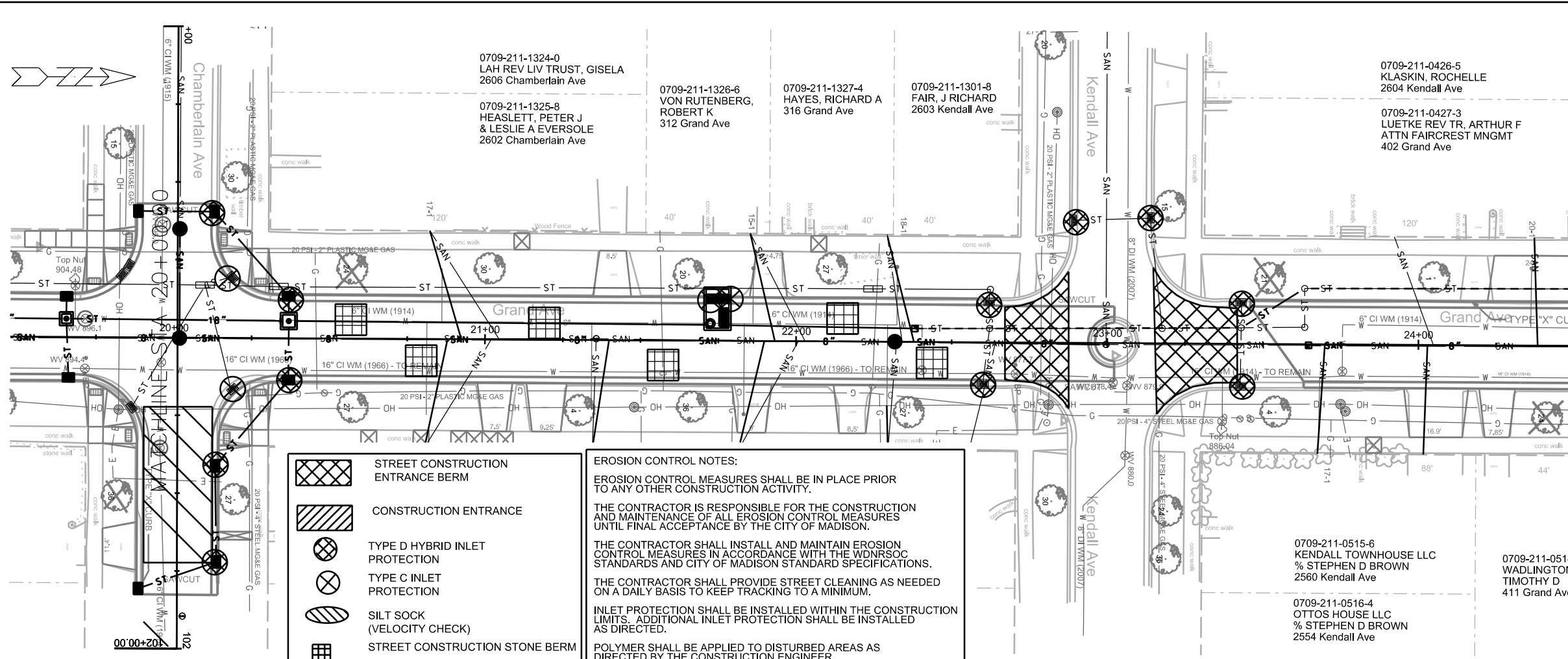








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MATCHLINE STA 25+00.00

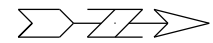
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REV. DATE: _____

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REV 3/1/2017 DAO



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VANCE, BRANDON J
2605 Stevens St
0709-211-0401-7
BEDNARZ, BRYAN P
2603 Stevens St

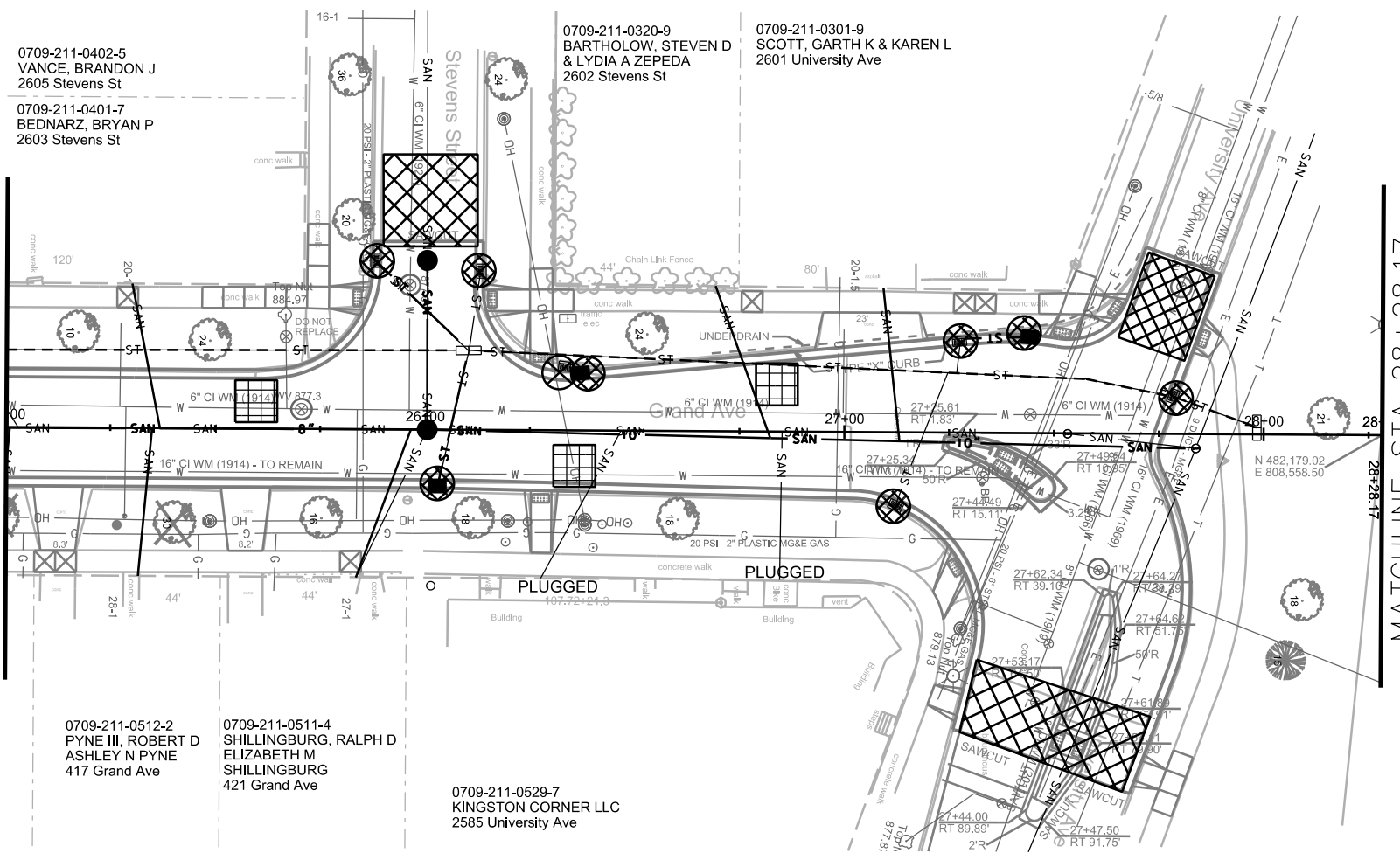
0709-211-0320-9
BARTHOLOW, STEVEN D
& LYDIA A ZEPEDA
2602 Stevens St
0709-211-0301-9
SCOTT, GARTH K & KAREN L
2601 University Ave

0709-211-0512-2
PYNE III, ROBERT D
ASHLEY N PYNE
417 Grand Ave
0709-211-0511-4
SHILLINGBURG, RALPH D
ELIZABETH M
SHILLINGBURG
421 Grand Ave

0709-211-0529-7
KINGSTON CORNER LLC
2585 University Ave

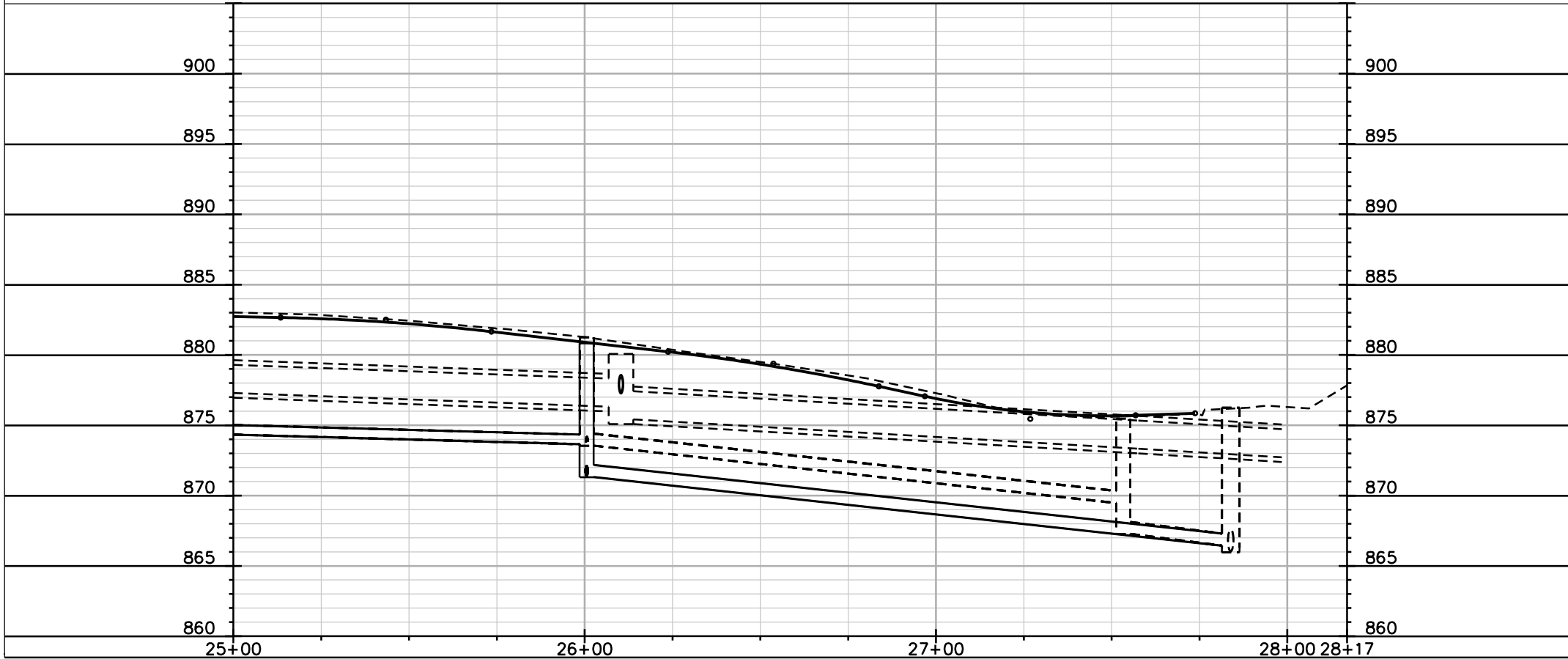
MATCHLINE STA 25+00.00

MATCHLINE STA 28+28.17



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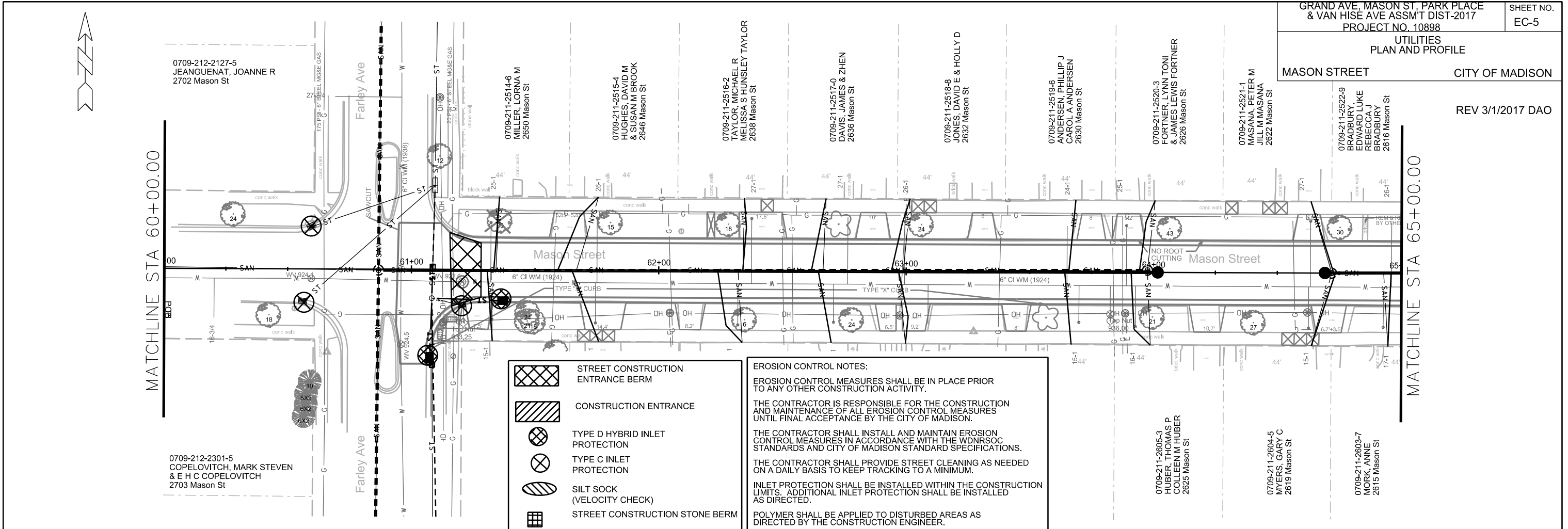








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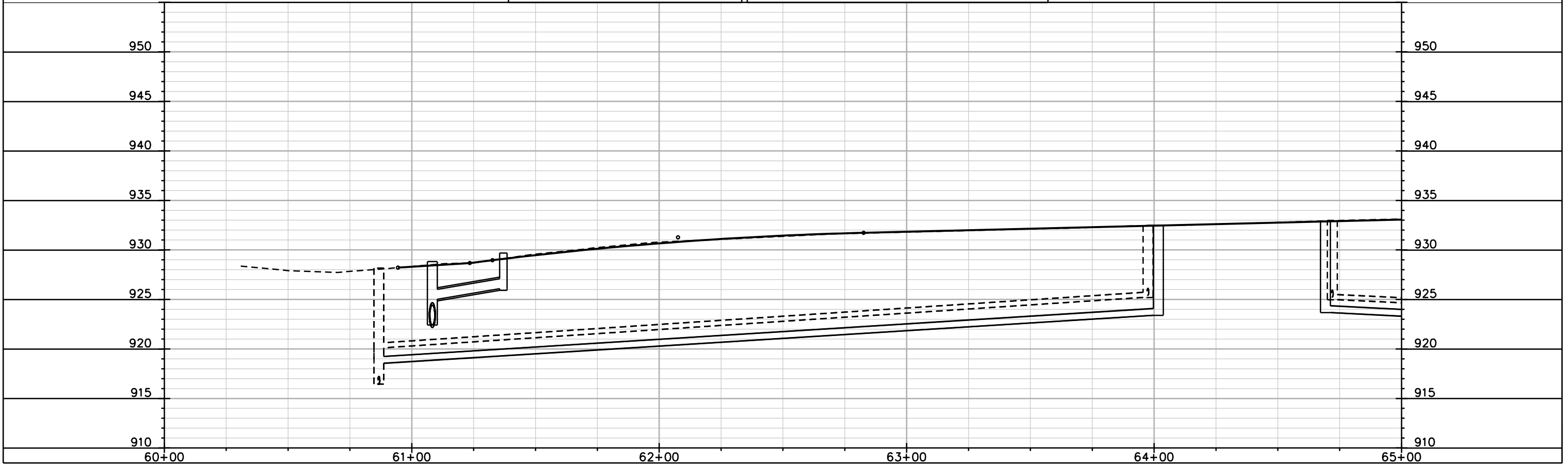
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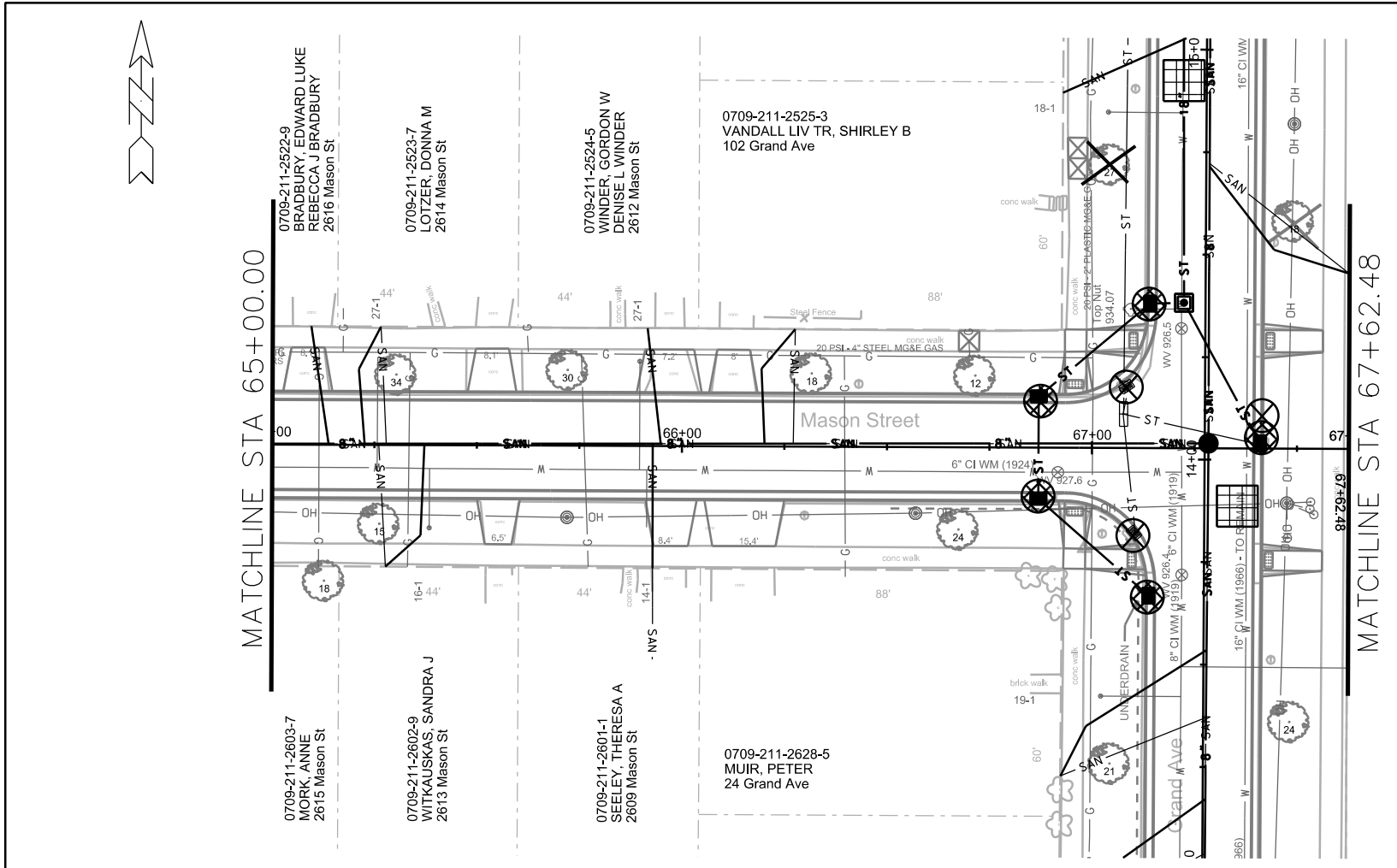
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
REV. DATE: _____

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REV 3/1/2017 DAO



SEE EC-1 FOR ADDITIONAL EC MEASURES

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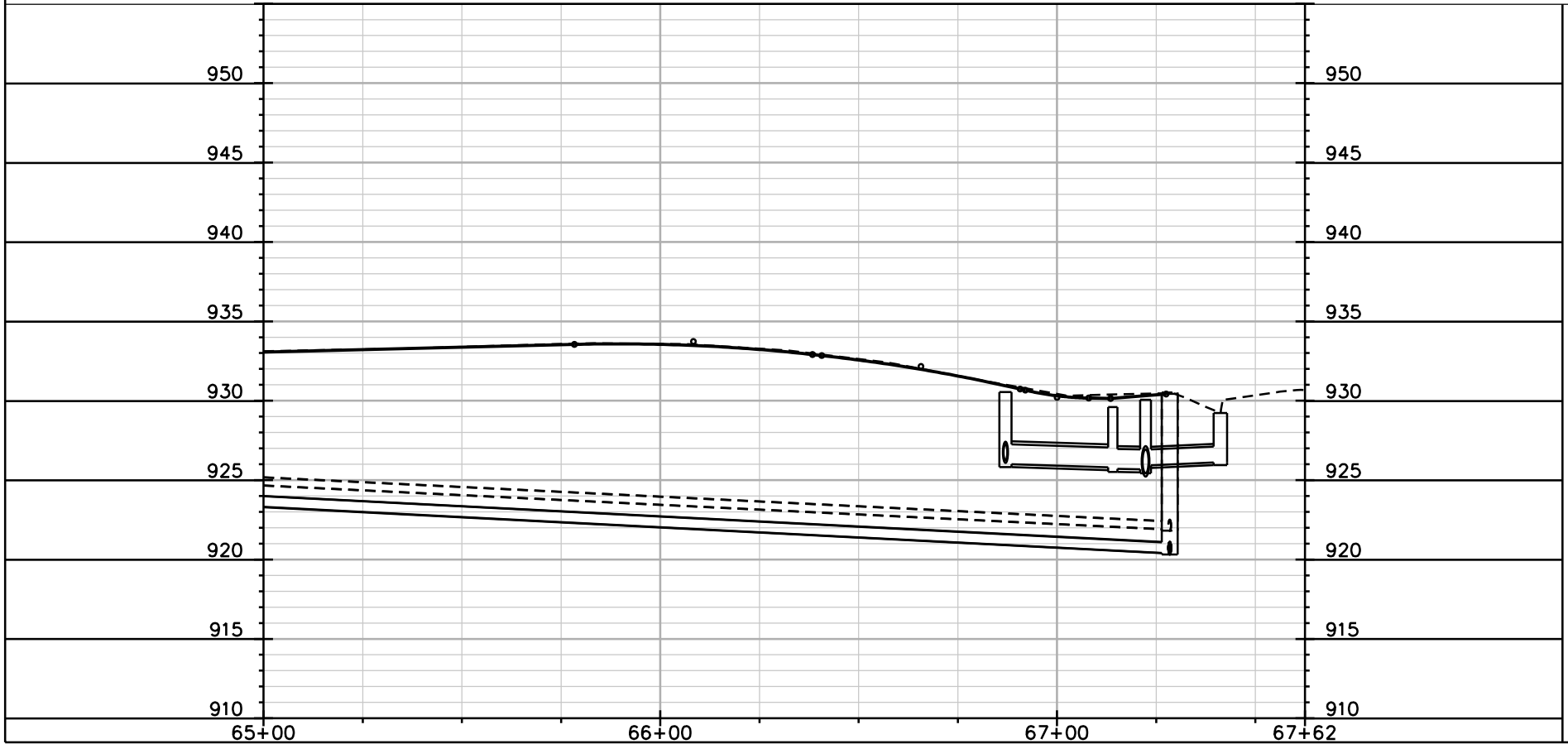
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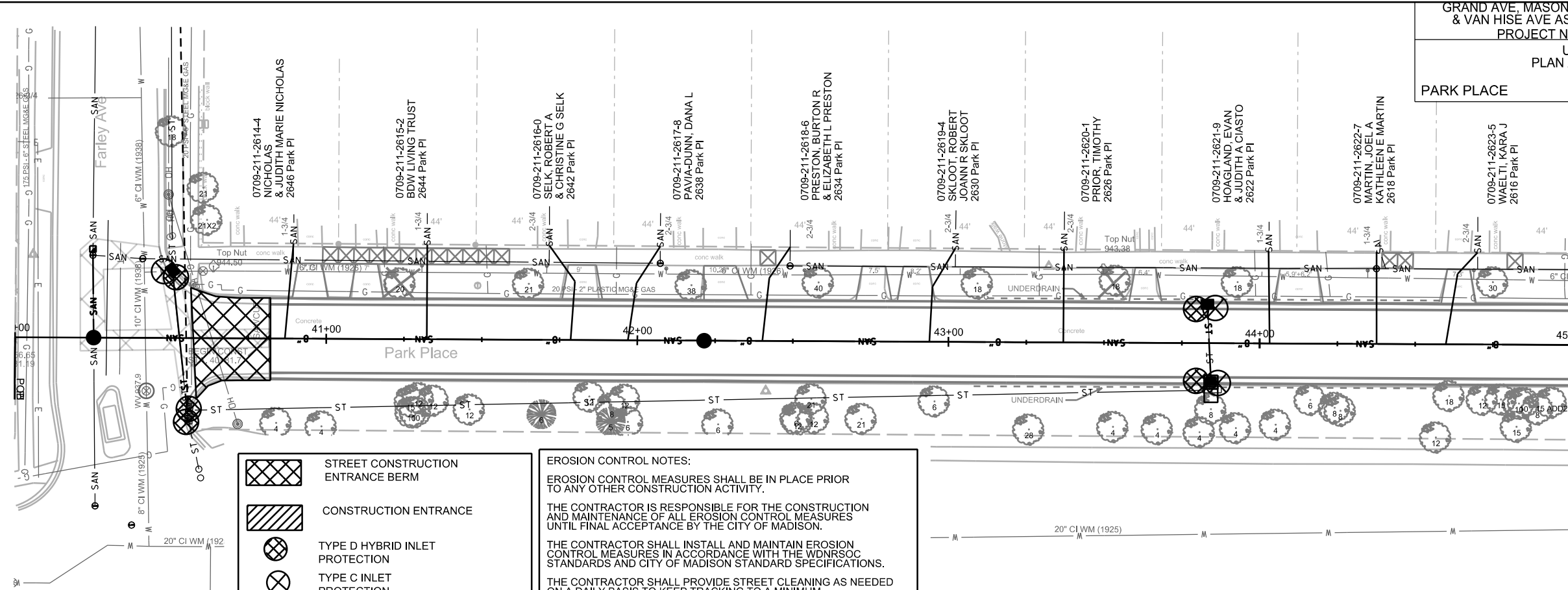


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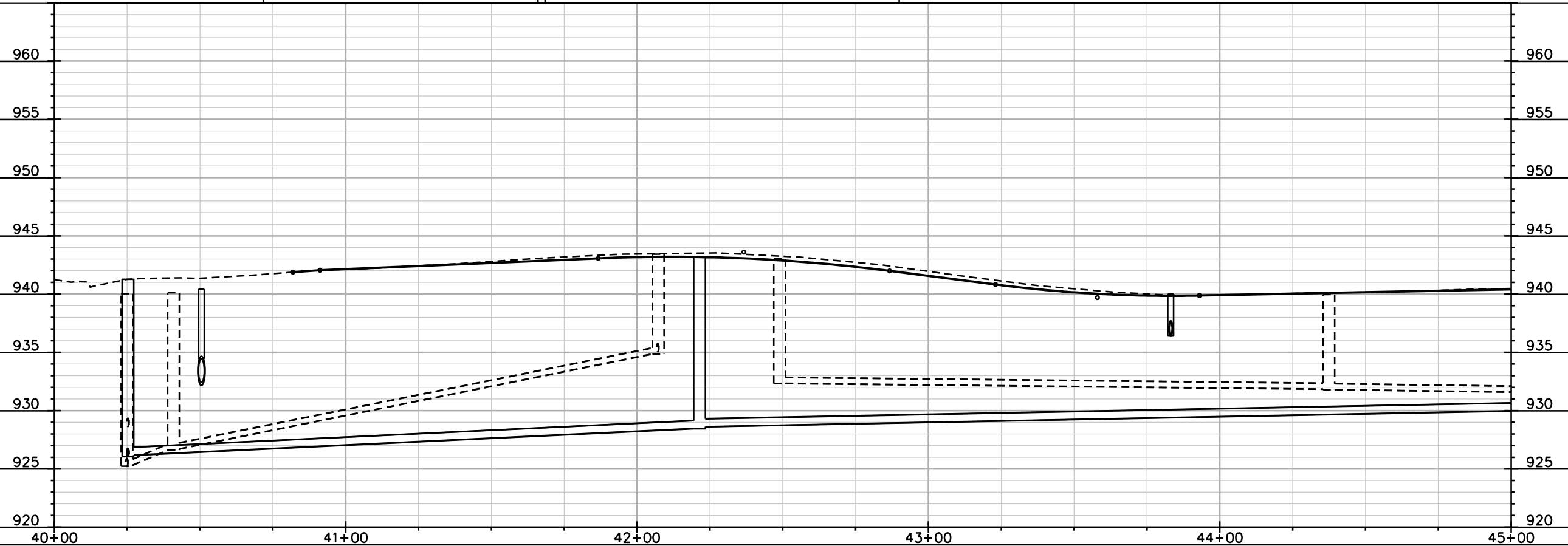
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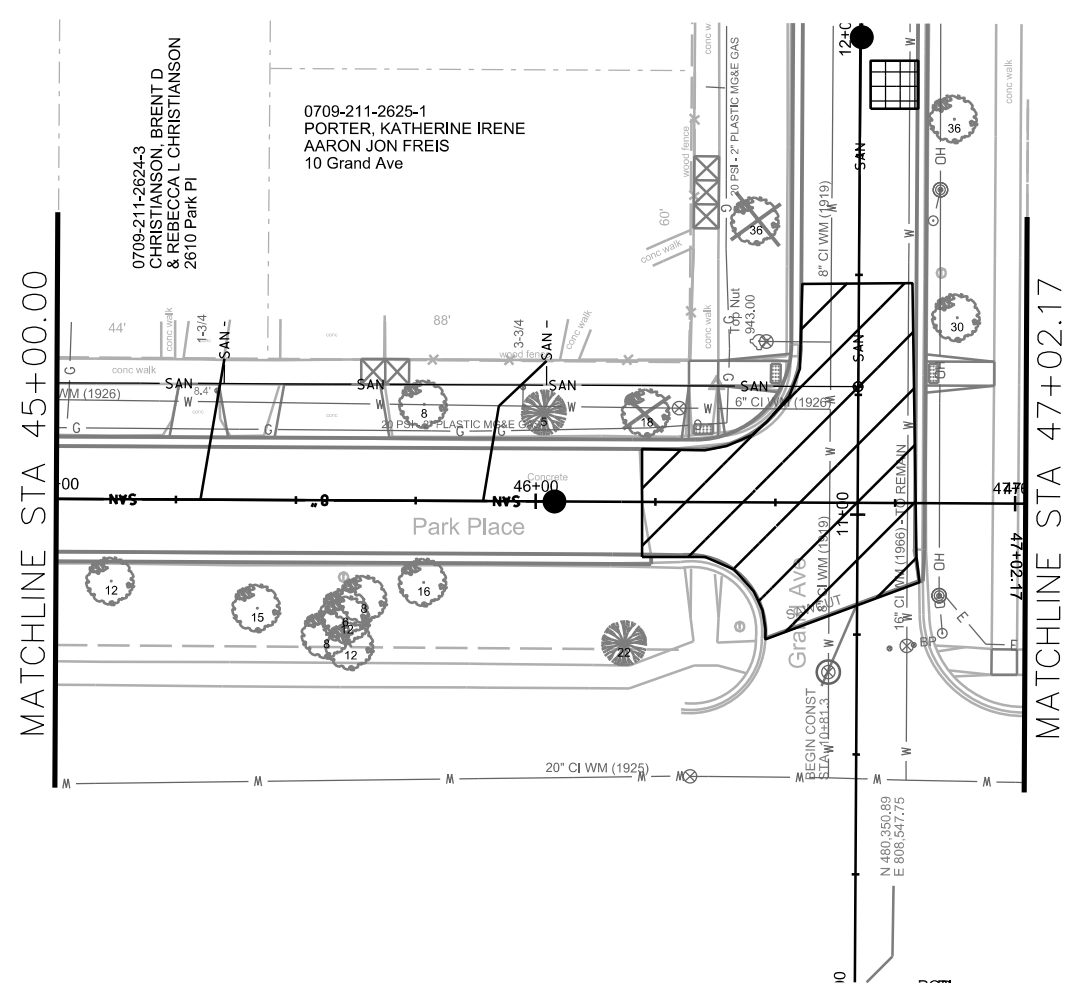
MATCHLINE STA 45+00.00

PLOT SCALE: _____







PLOT NAME: _____

REV. DATE: _____

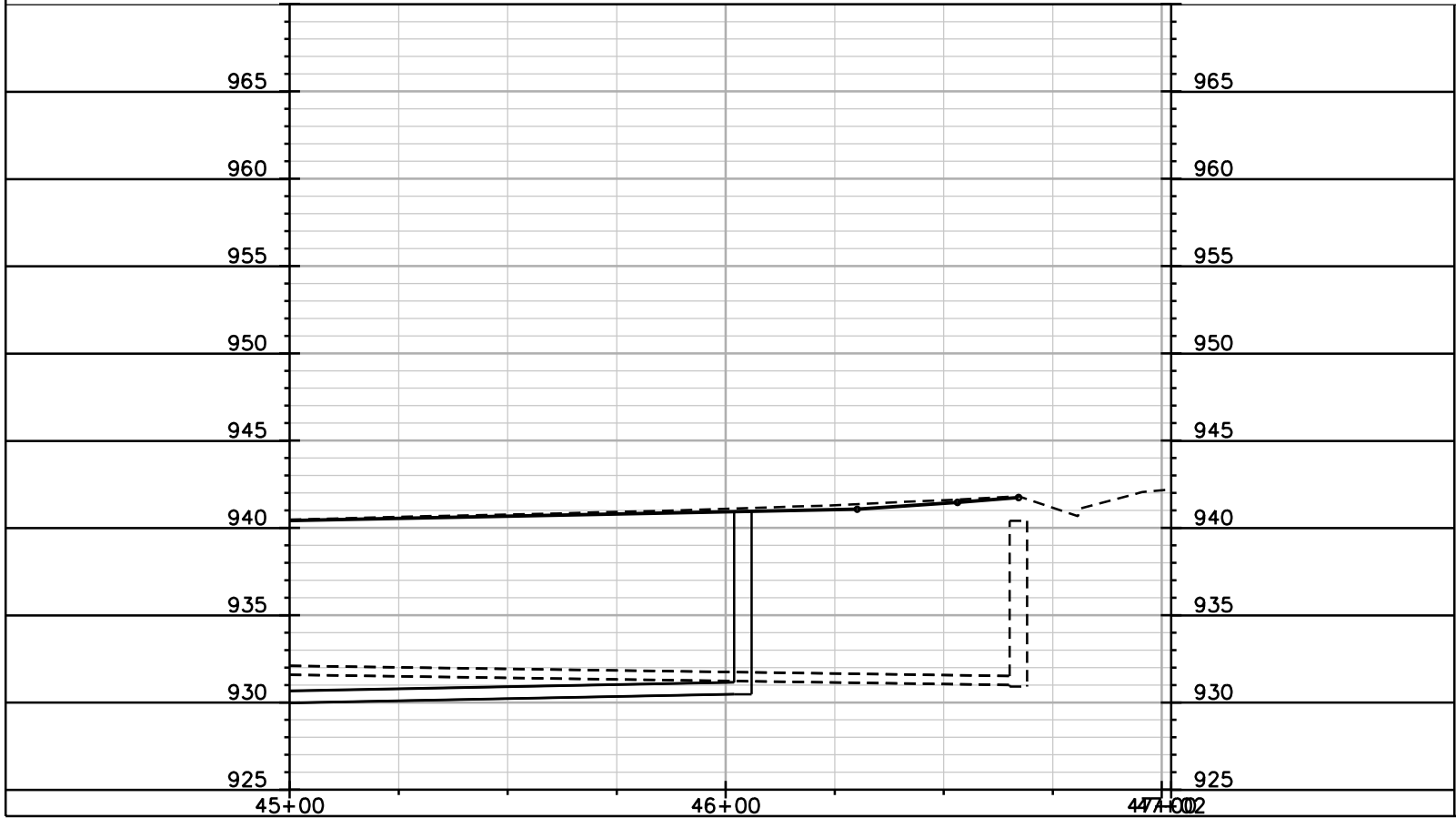
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SEE EC-1 FOR ADDITIONAL EC MEASURES

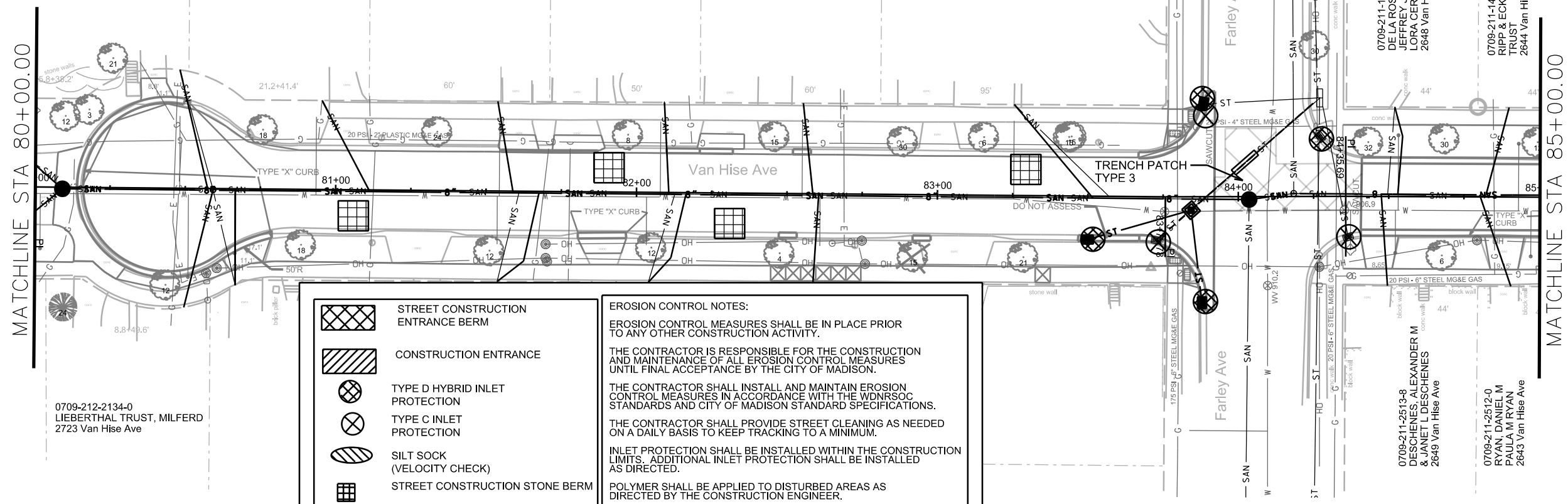
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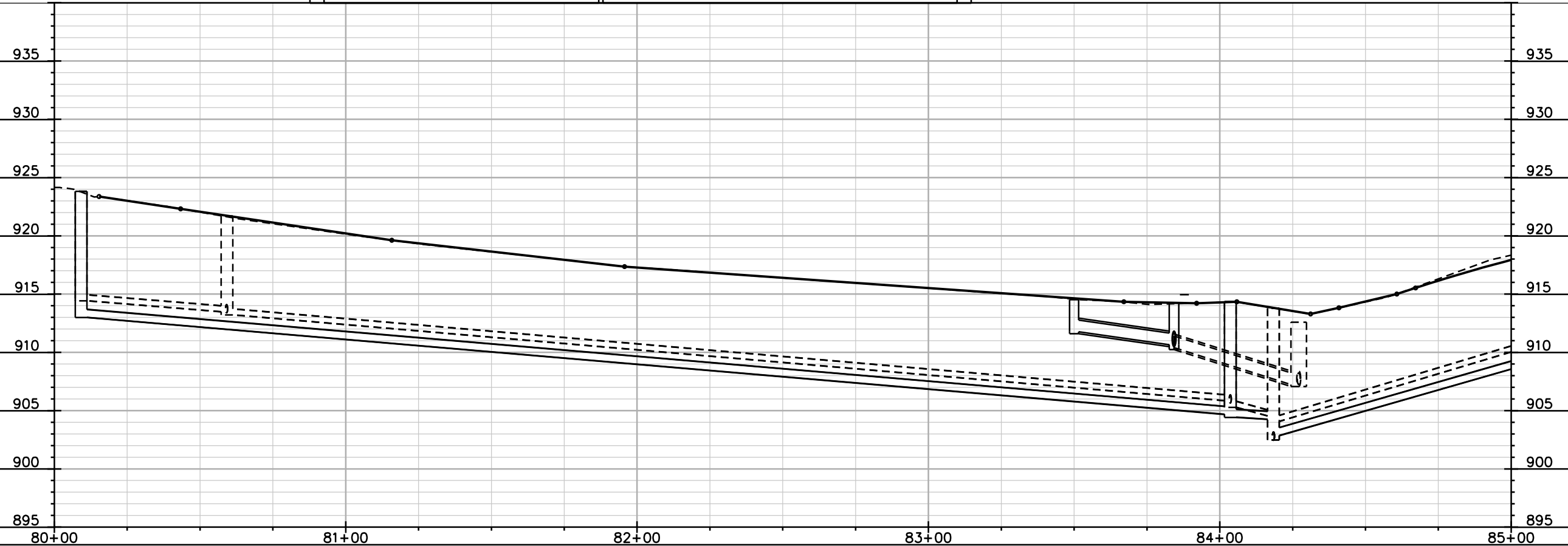
PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-212-2138-2 SAMPLE, WILLIAM S & KRISTI A GULLEN 2722 Van Hise Ave
 0709-212-2139-0 PFUND, JEFFREY & CHRISTINE E PFUND 2718 Van Hise Ave
 0709-212-2140-7 LOKER, TEX JULI LOKER 2714 Van Hise Ave
 0709-212-2141-5 SPENGLER, CATHERINE M 2710 Van Hise Ave
 0709-212-2142-3 DEAN, WILLIAM H HEATHER VON OESEN DEAN 2706 Van Hise Ave
 0709-212-2143-1 NATHAN, ROBIN SCHNITZLER 202 Farley Ave



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

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.



PLOT SCALE: _____

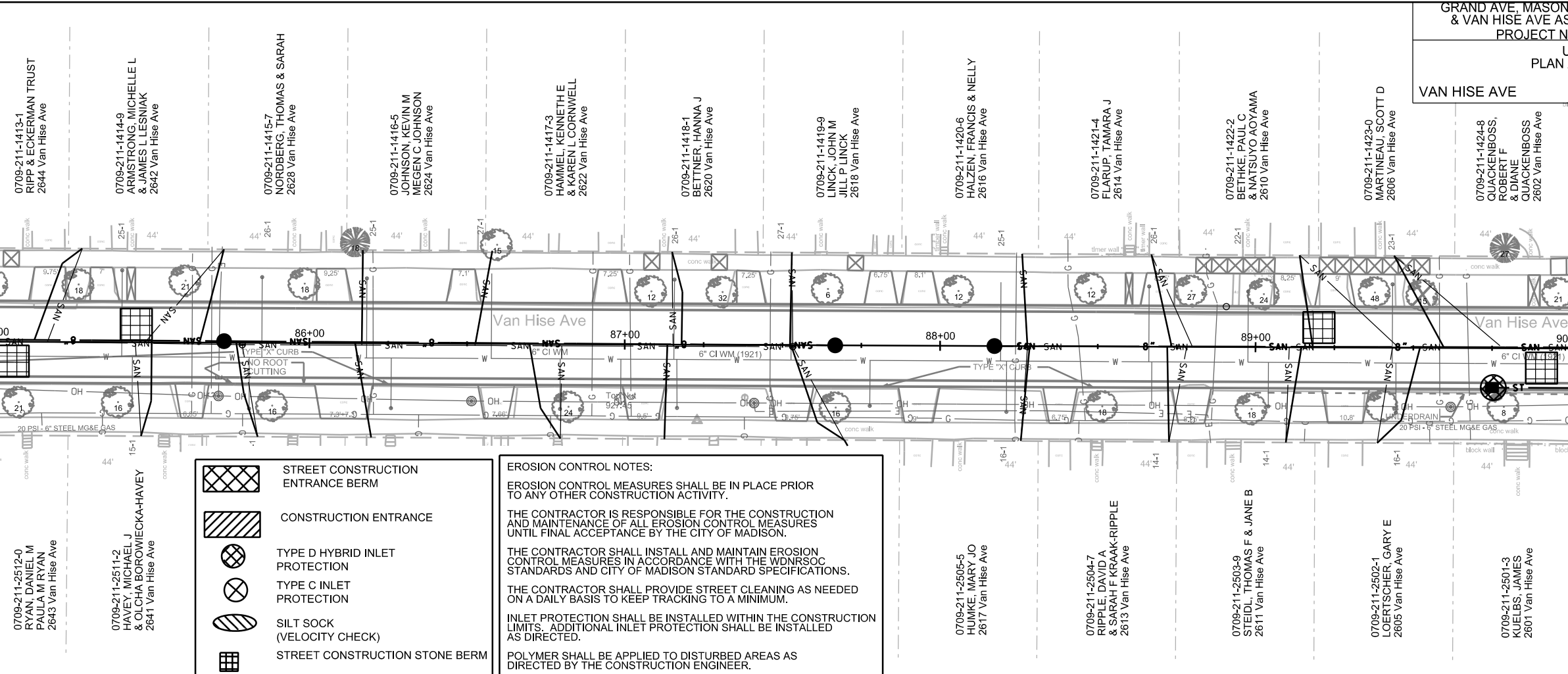
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

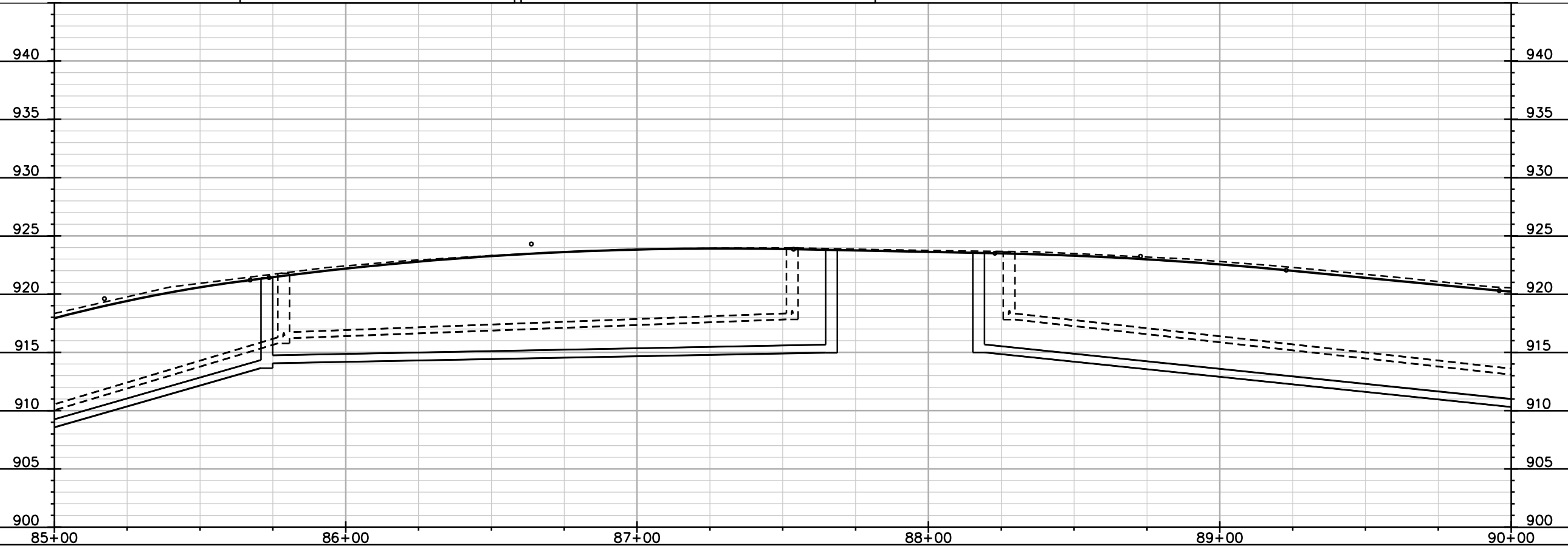
MATCHLINE STA 85+00.00

MATCHLINE STA 90+00.00



- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
- TYPE C INLET PROTECTION
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

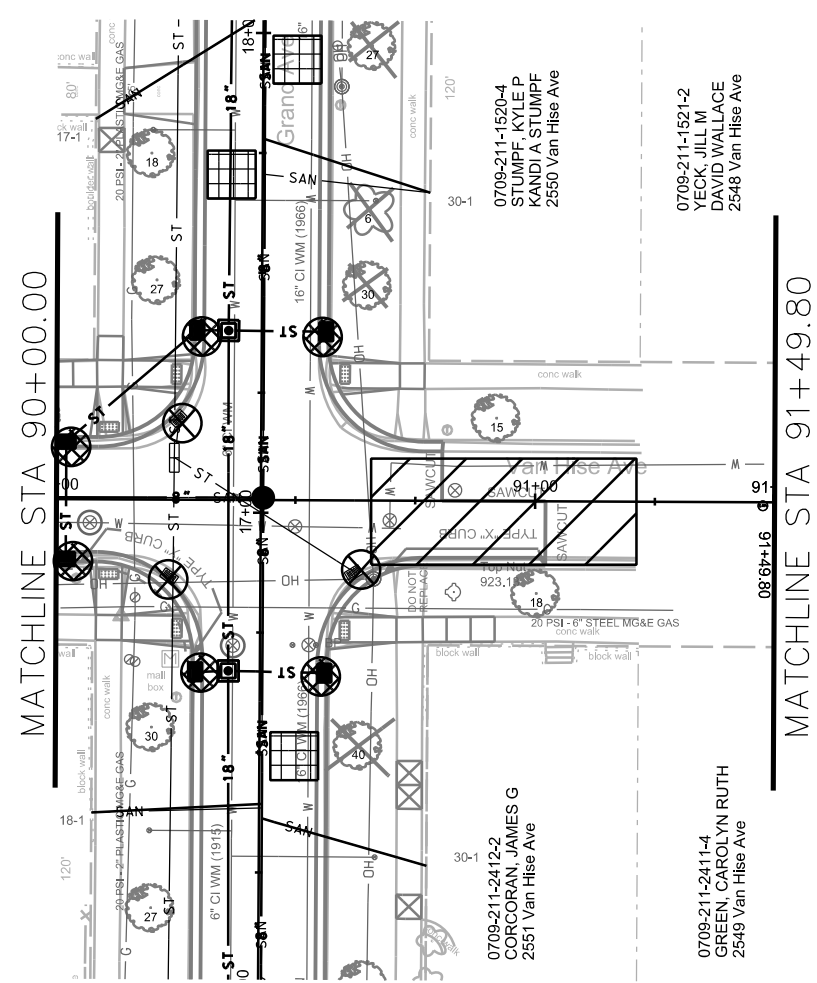
REV 3/1/2017 DAO

PLOT SCALE: _____







PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SEE EC-2 FOR ADDITIONAL EC MEASURES

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

EROSION CONTROL NOTES:

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

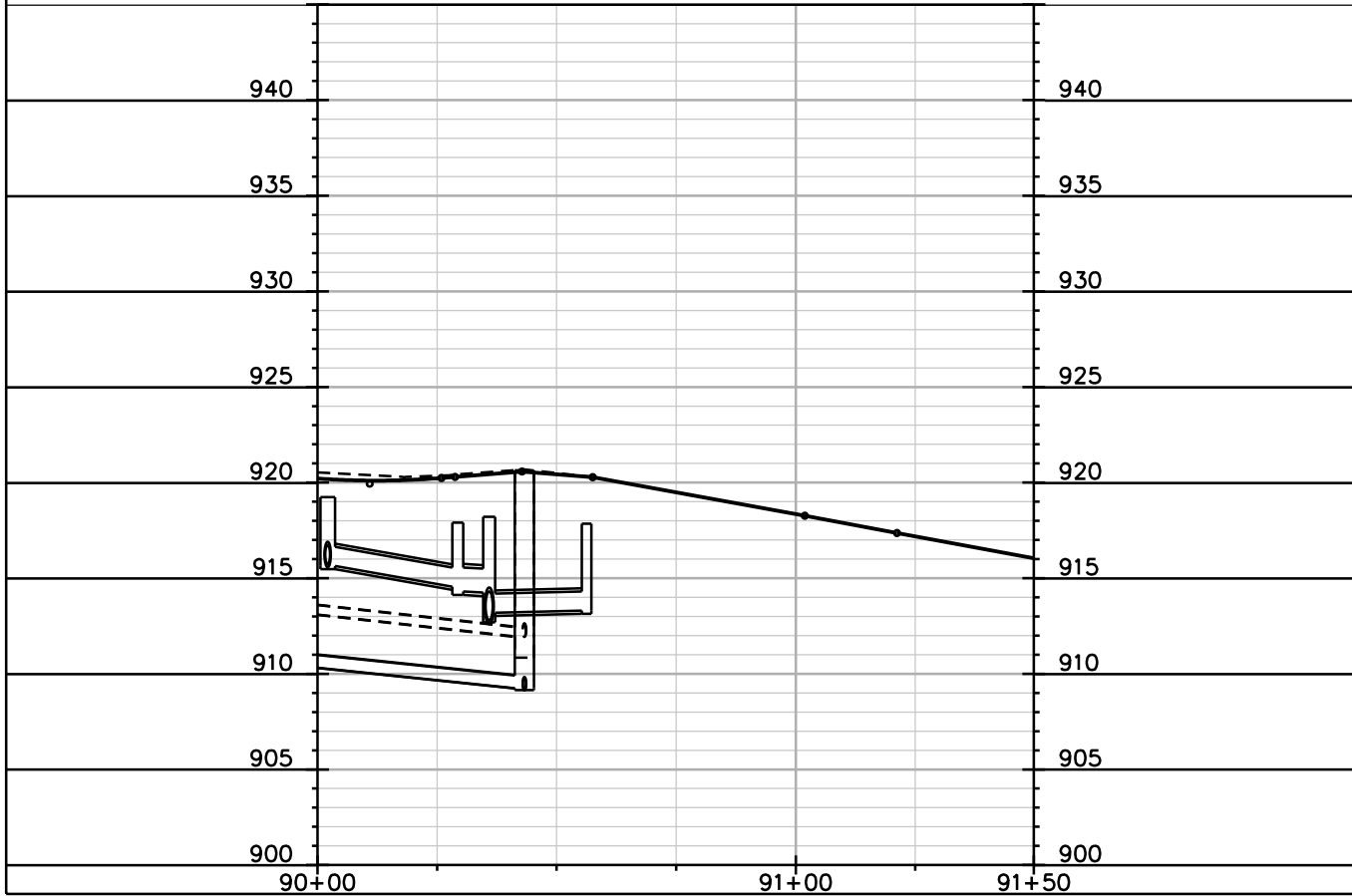
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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

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

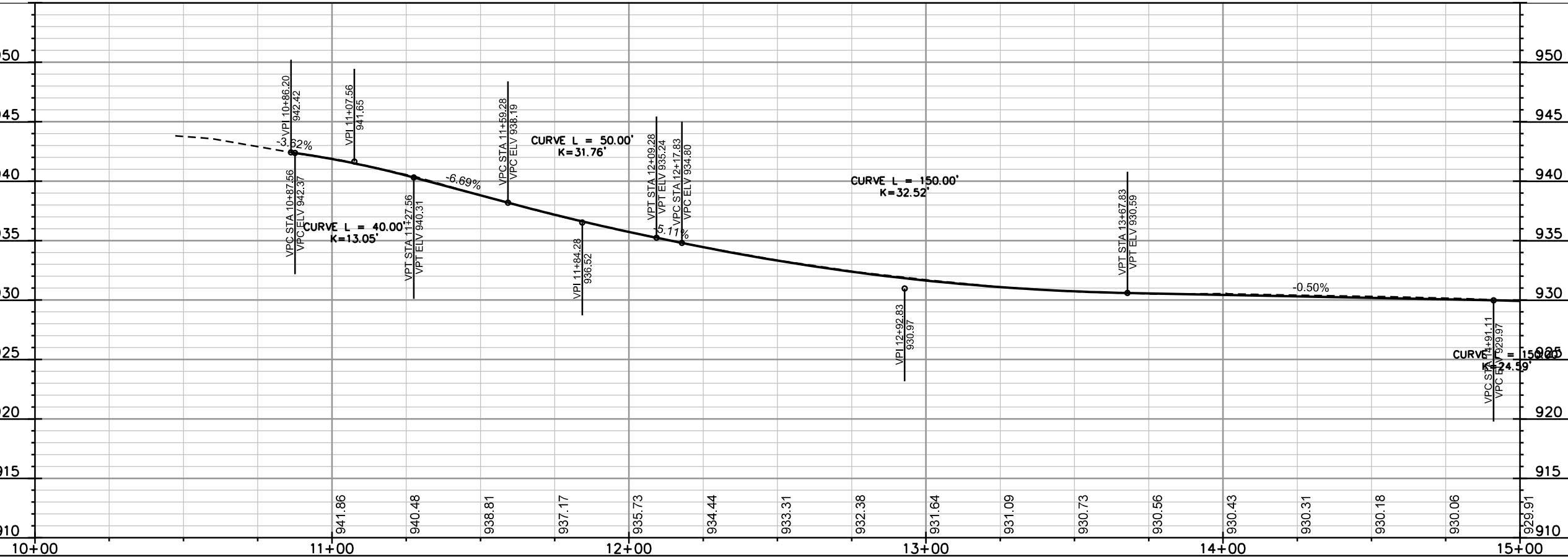
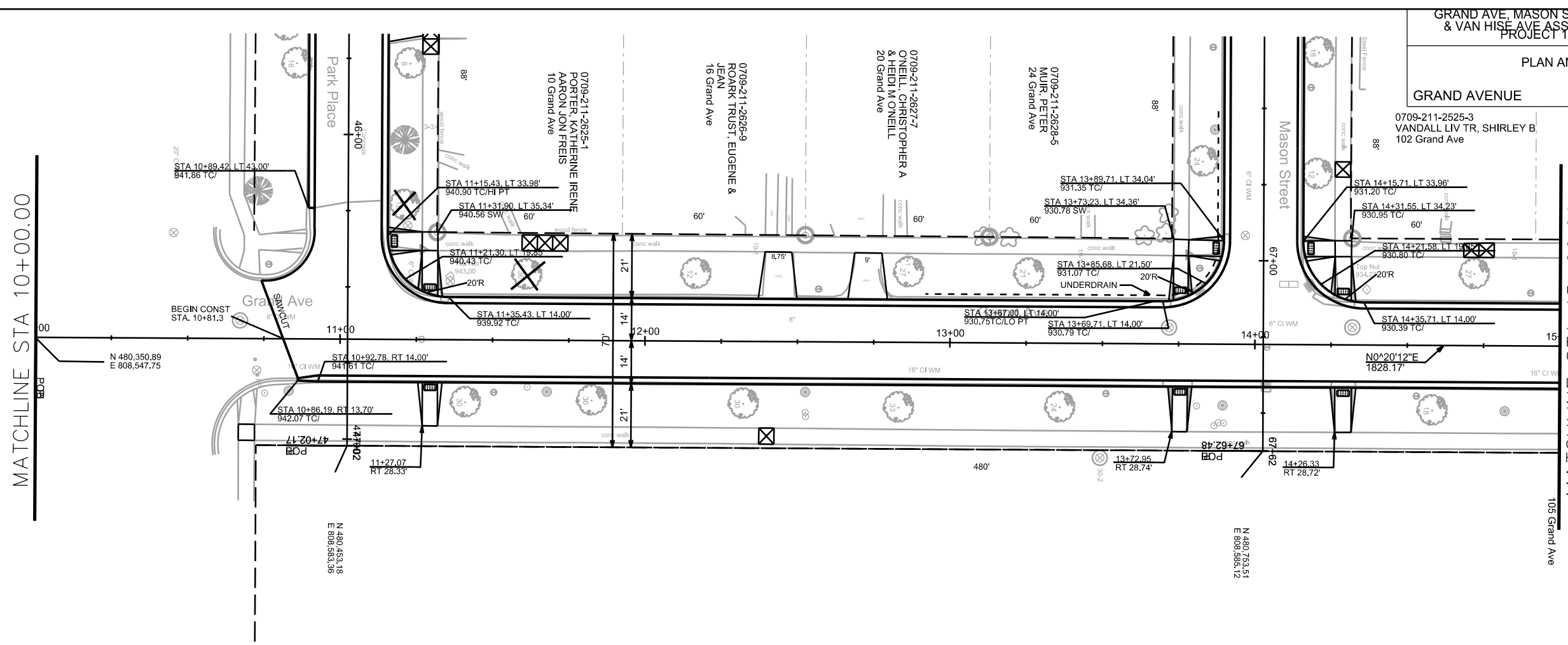


PLAN AND PROFILE

GRAND AVENUE CITY OF MADISON

MATCHLINE STA 10+00.00

MATCHLINE STA 15+00.00



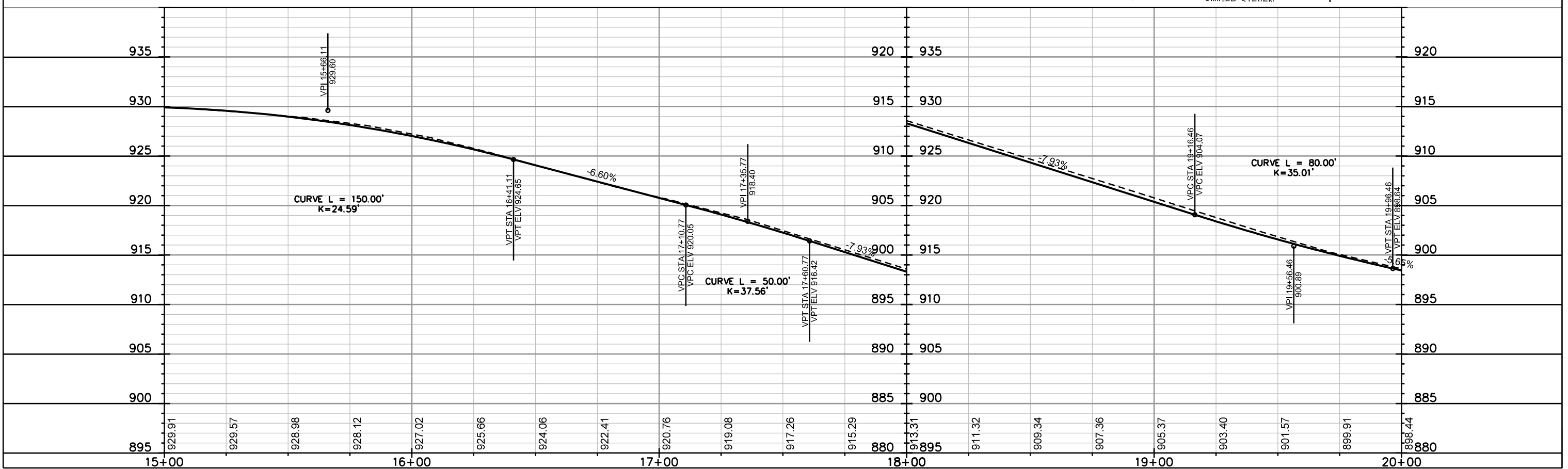
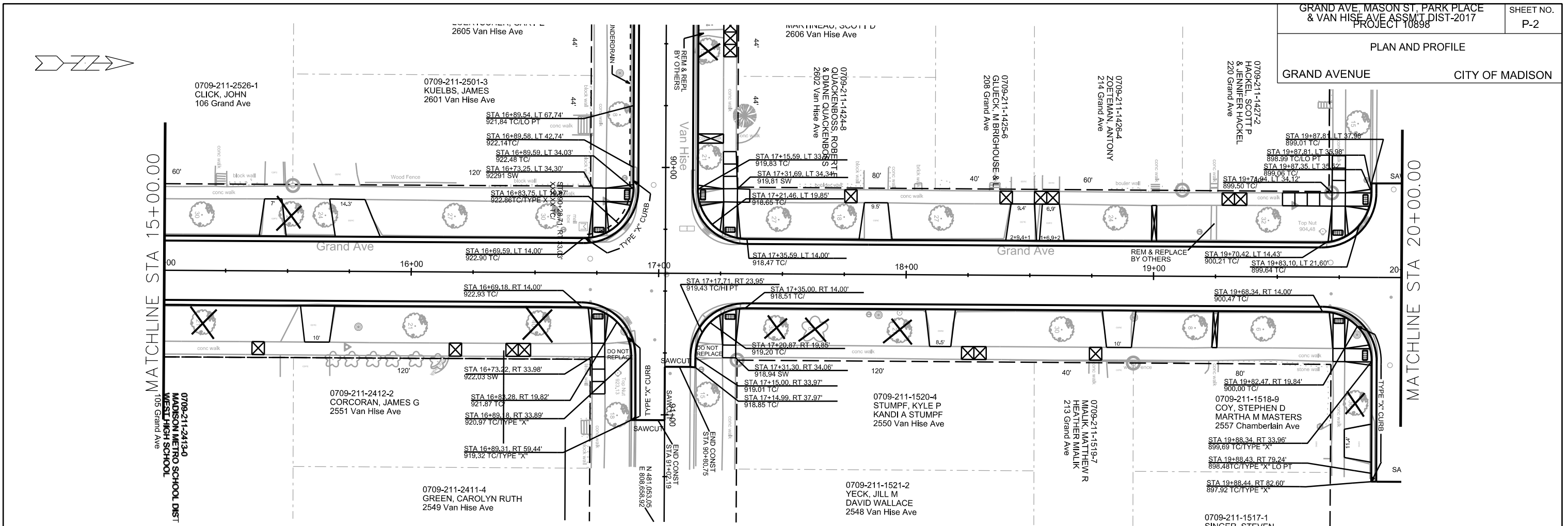
PLOT SCALE:

PLOT NAME:

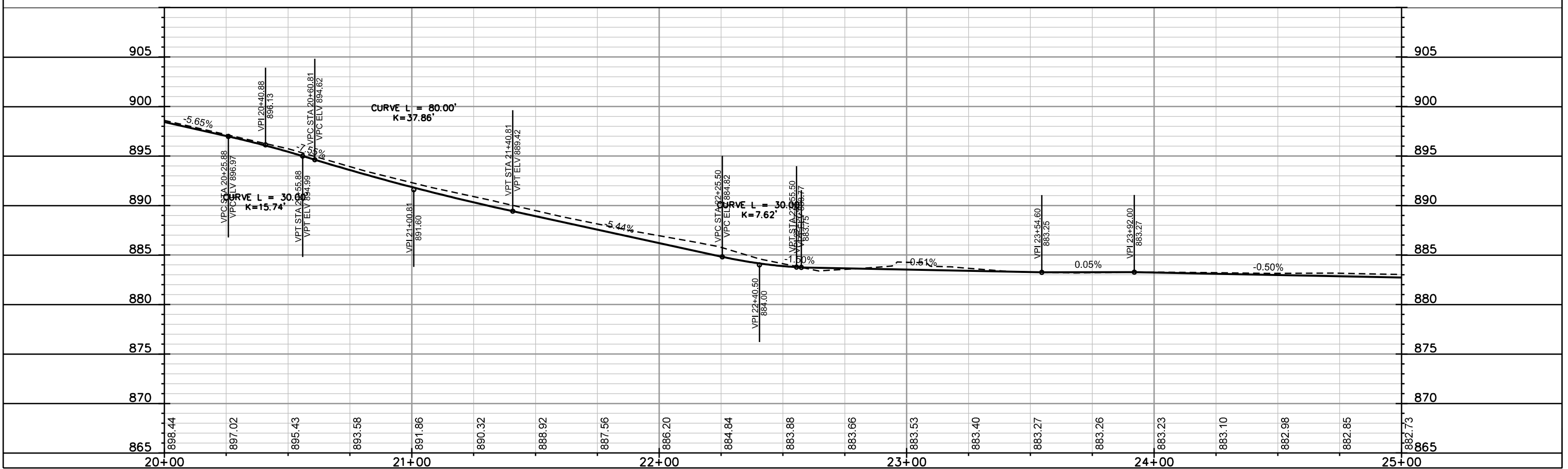
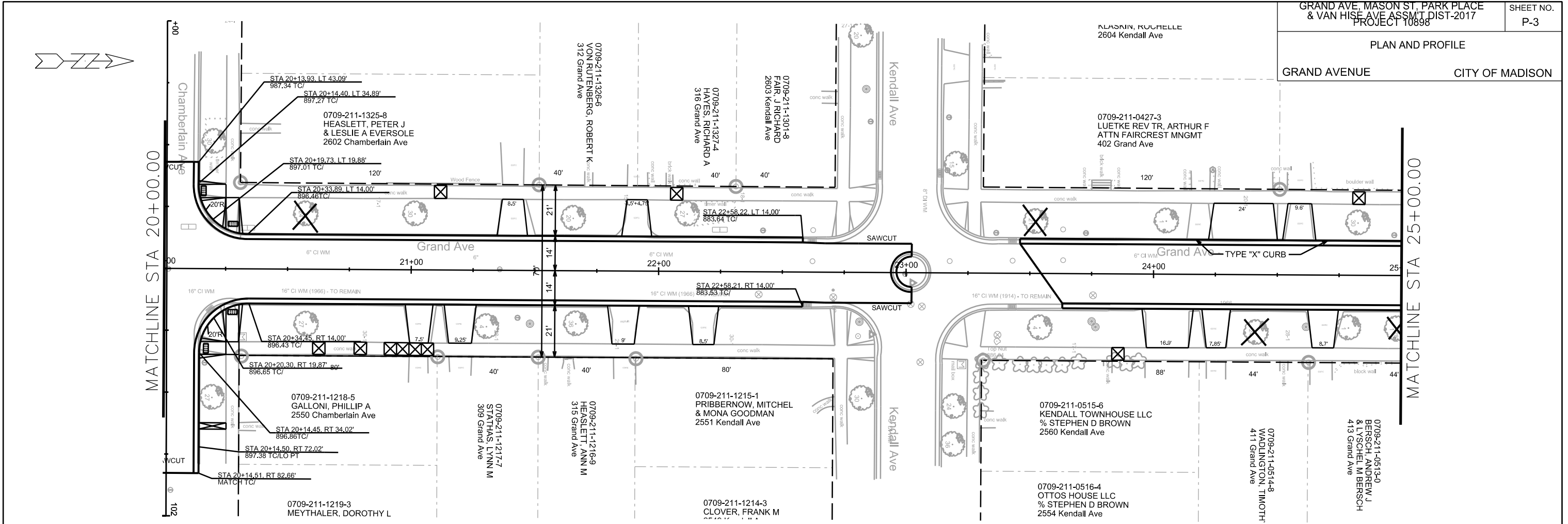
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

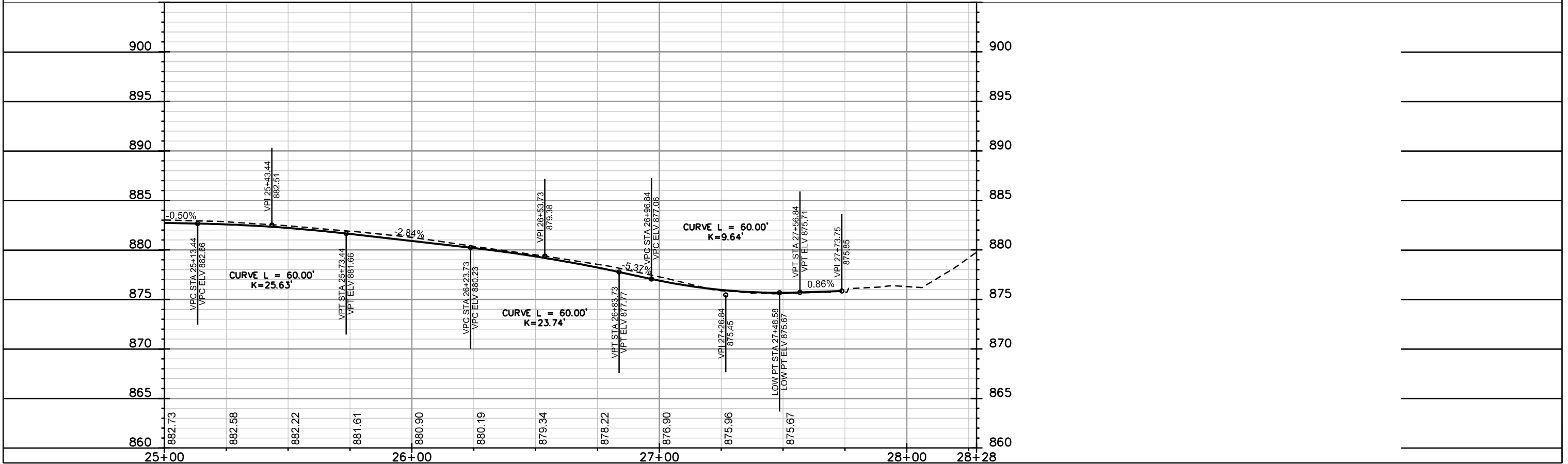
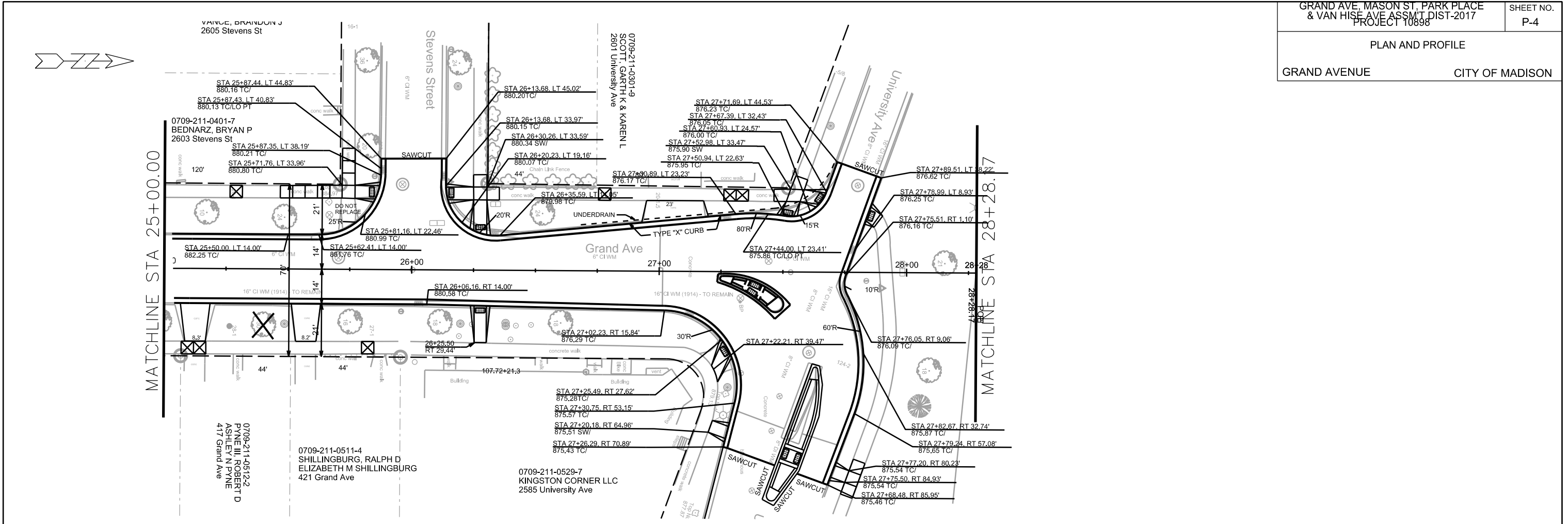
PLAN AND PROFILE
GRAND AVENUE CITY OF MADISON



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



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

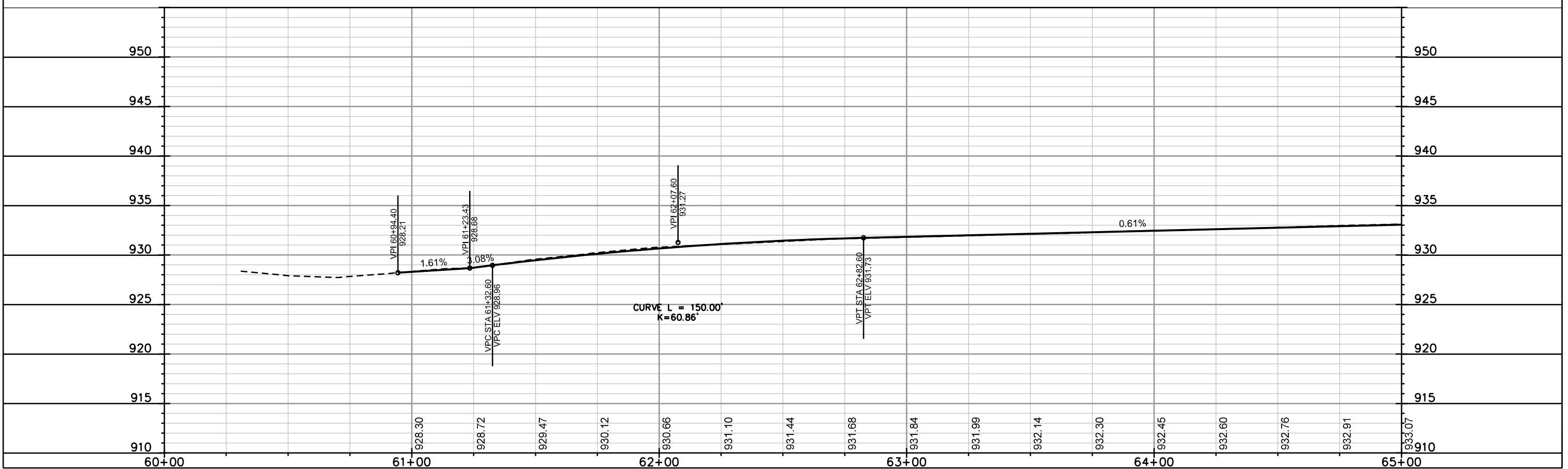
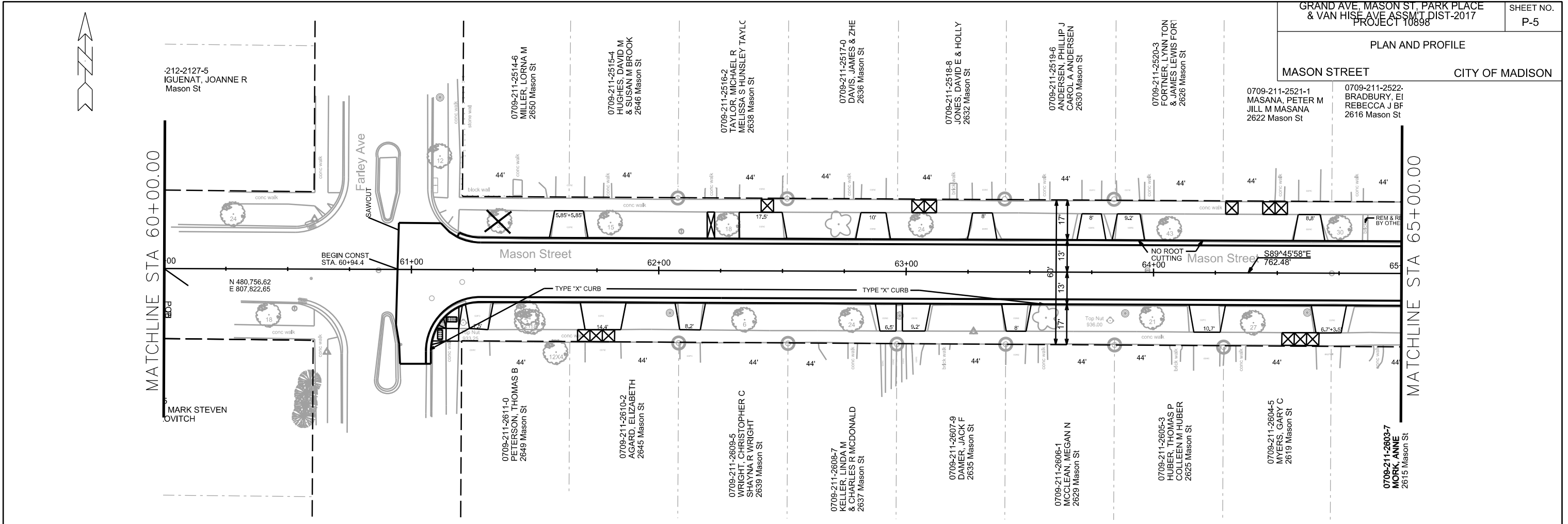


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

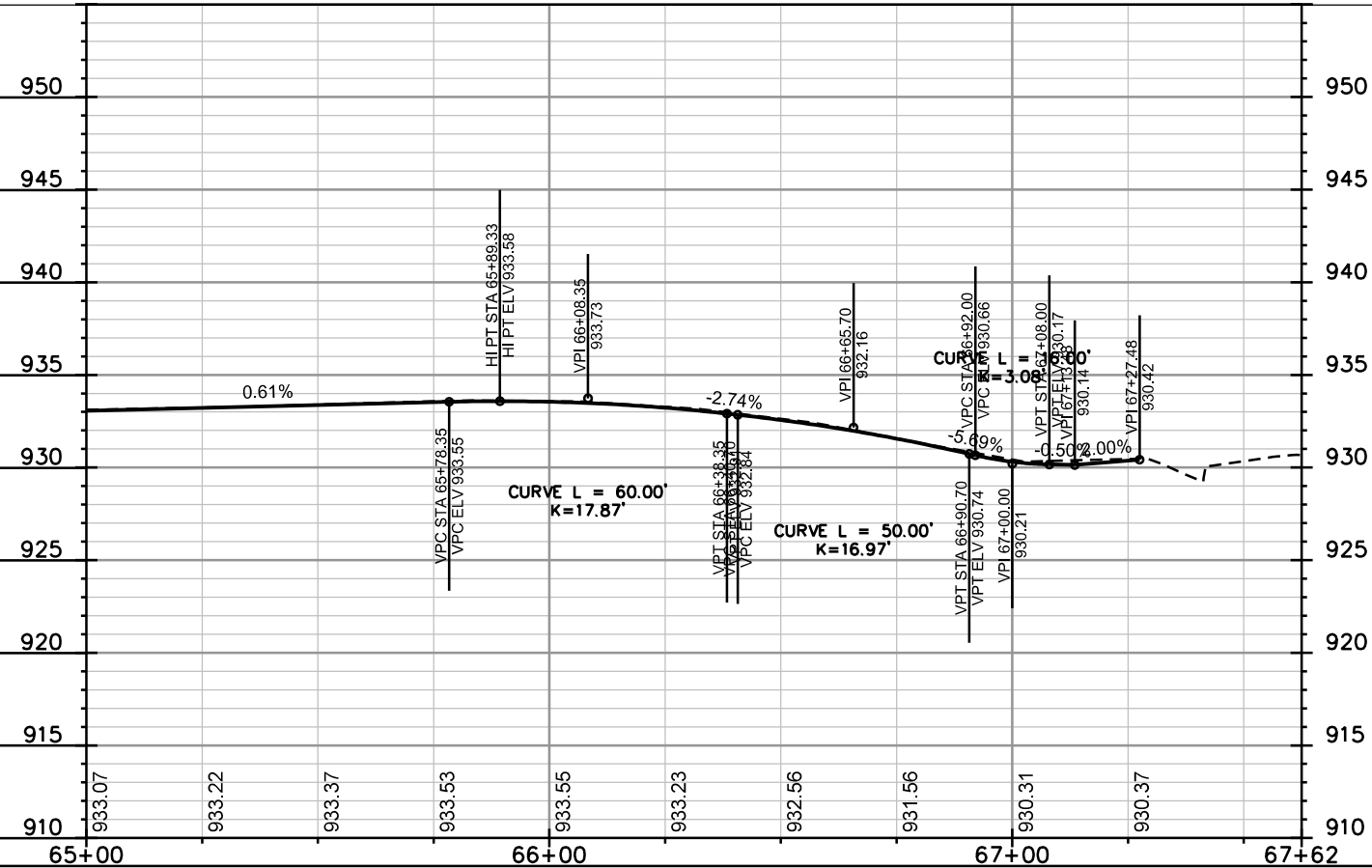
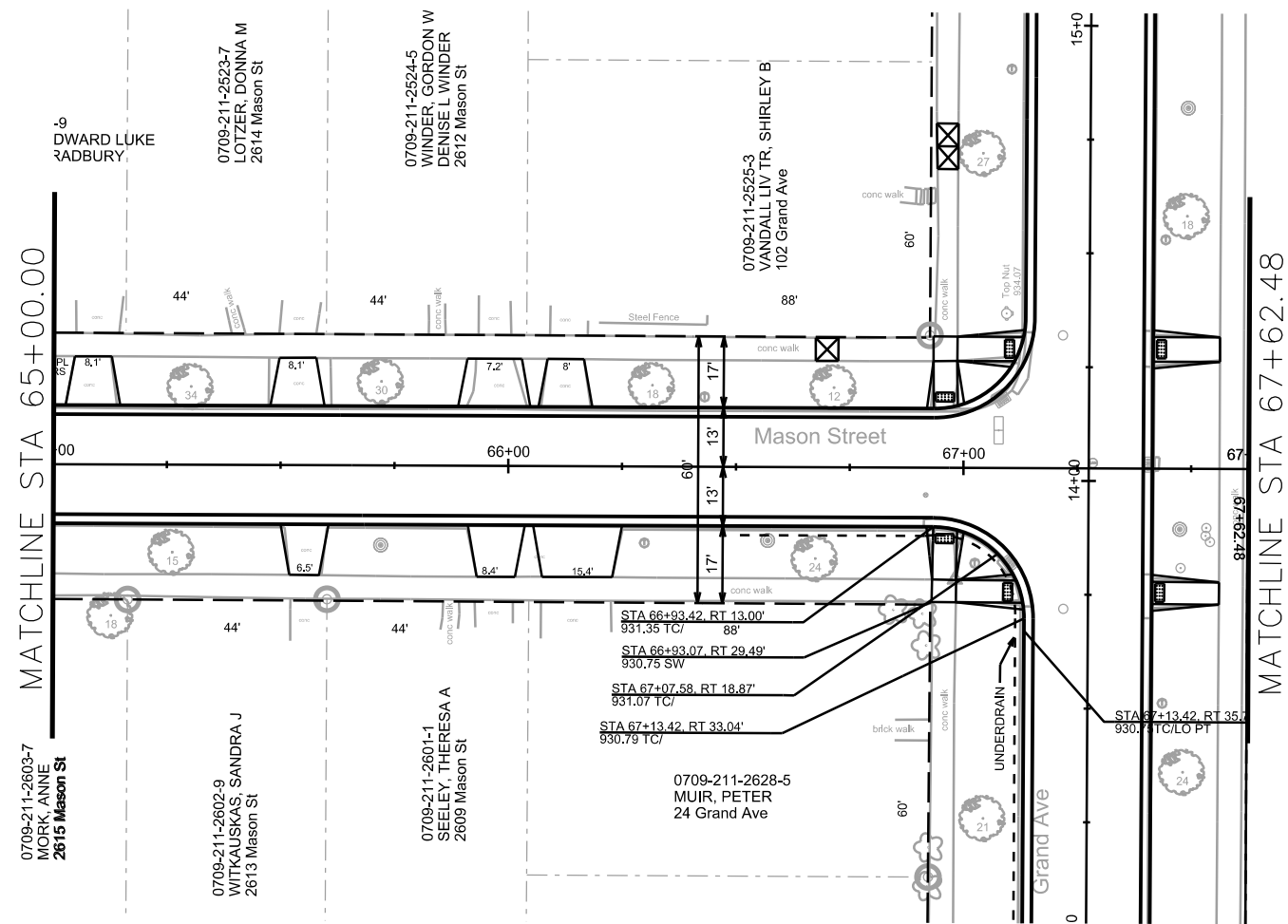
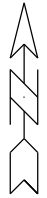


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

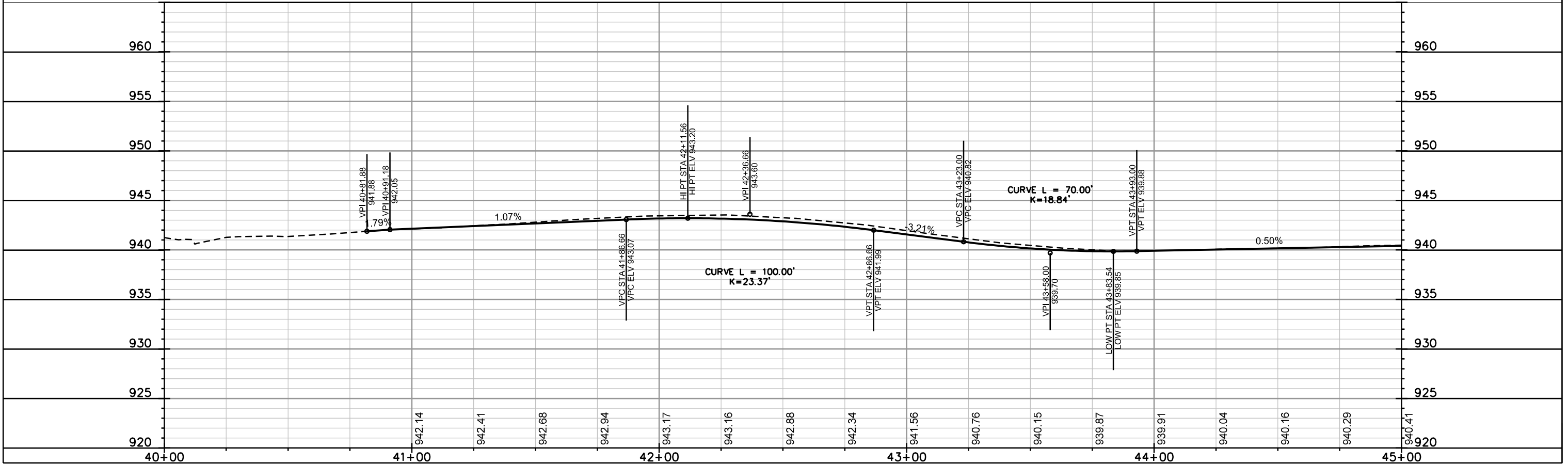
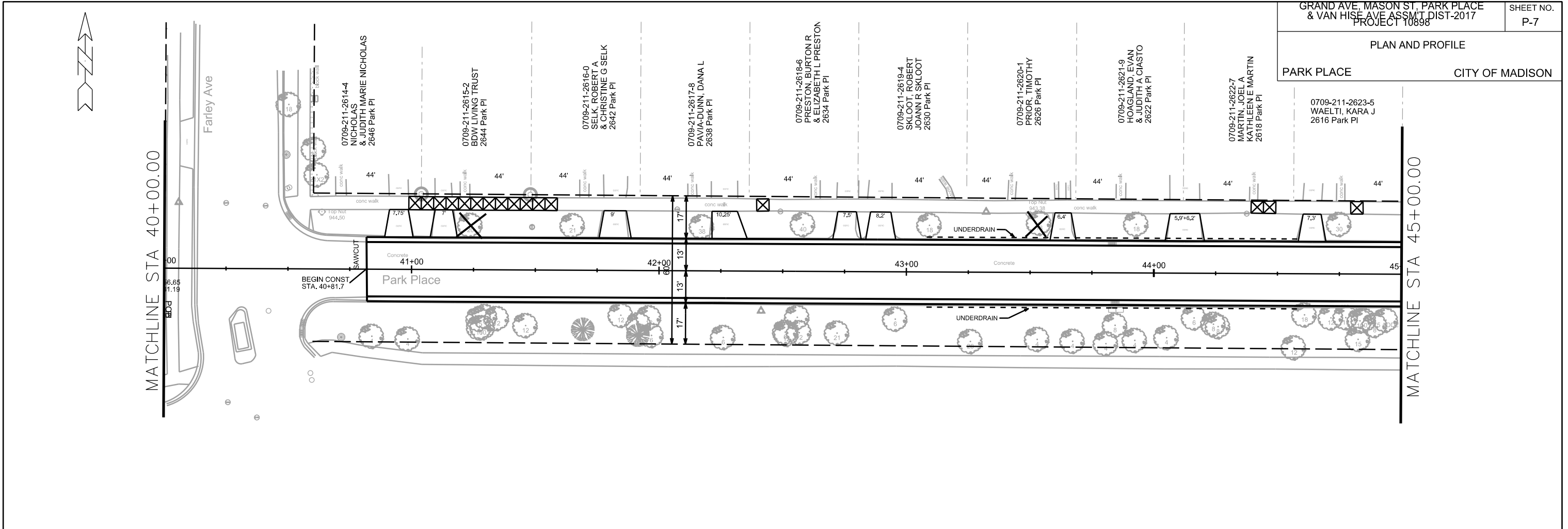


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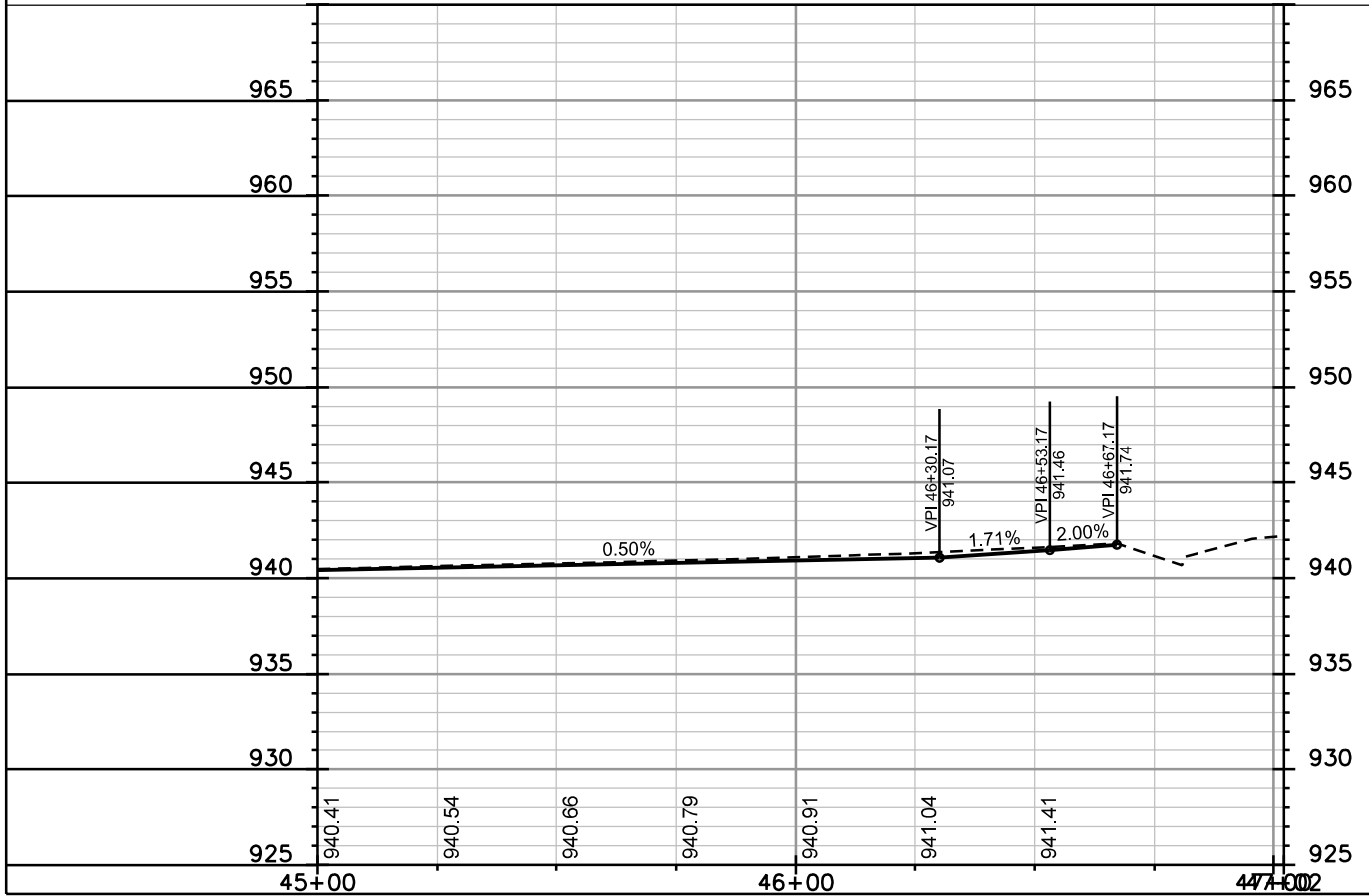
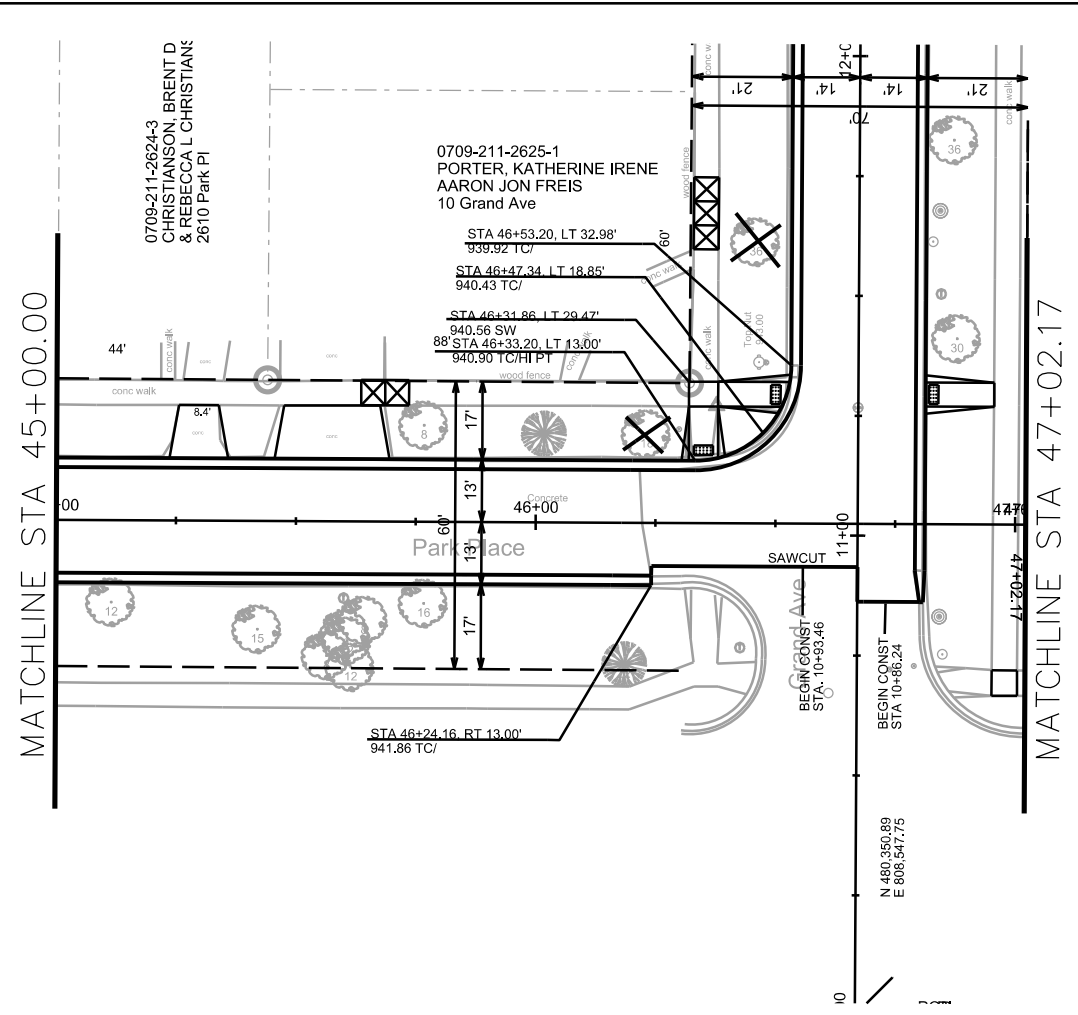
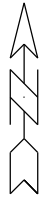
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

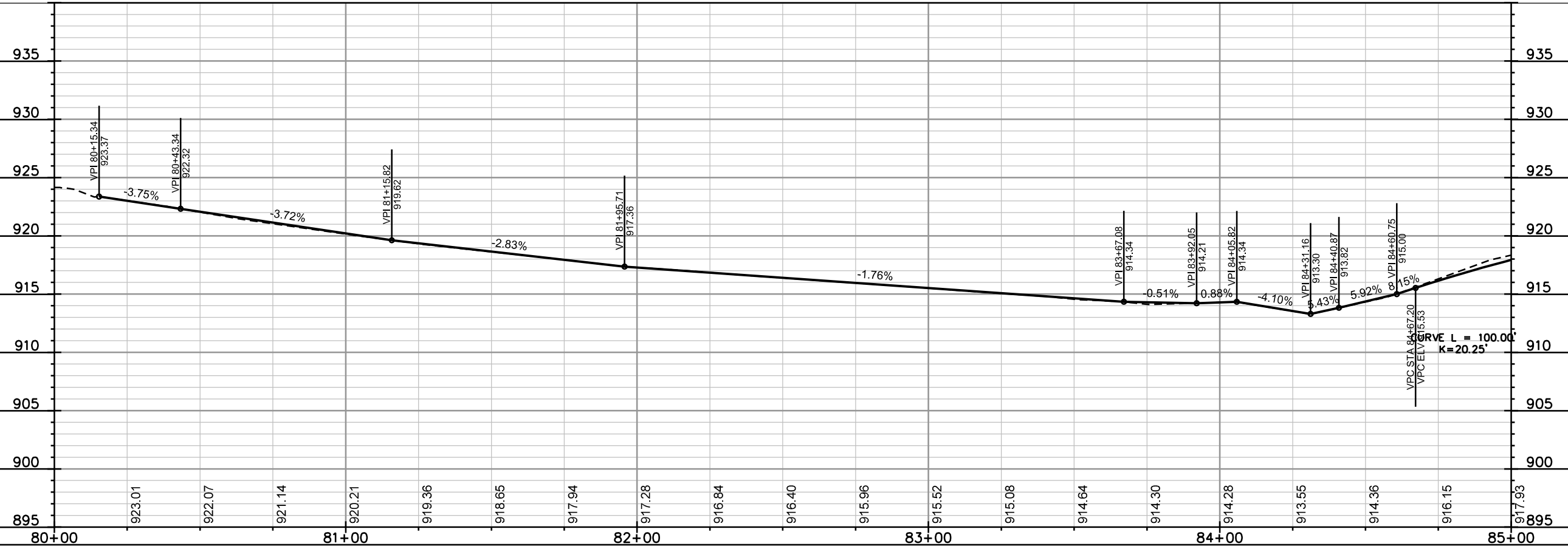
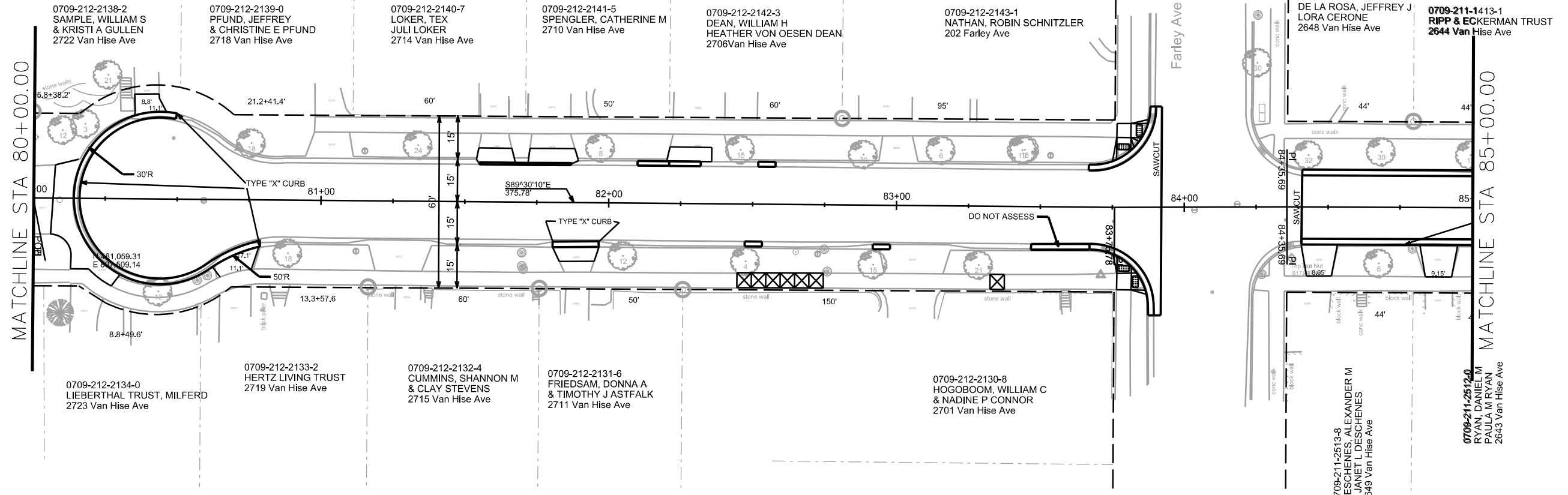


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

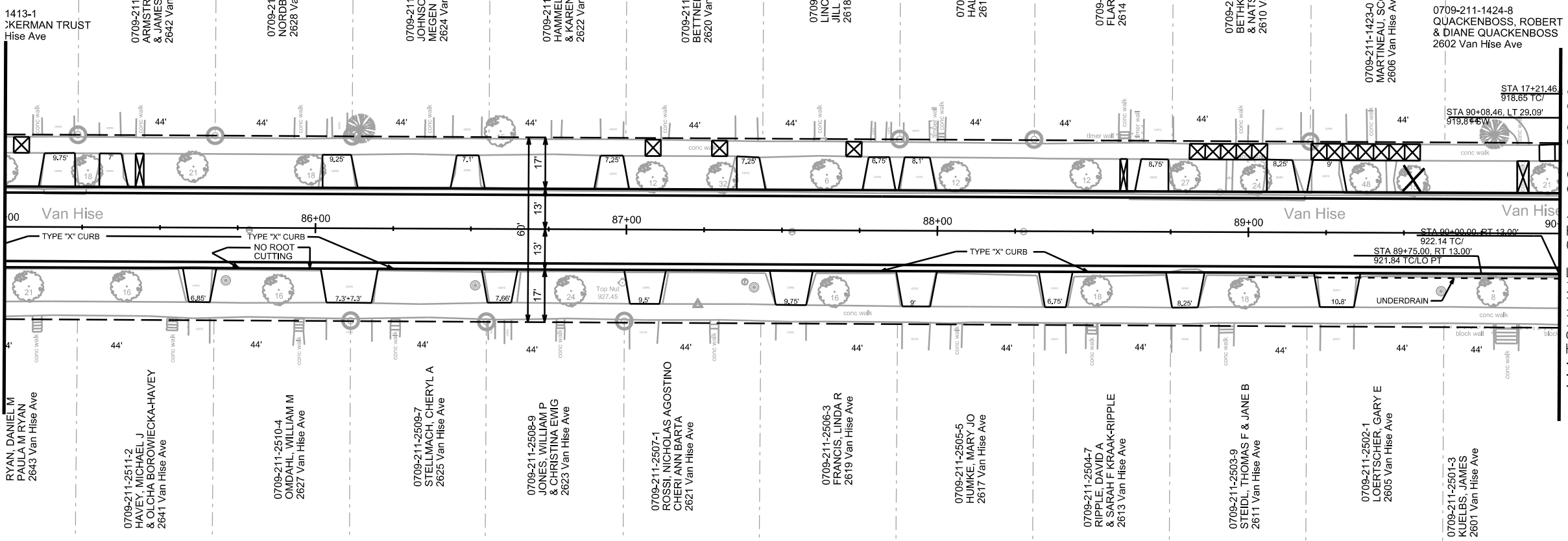
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE
VAN HISE AVENUE CITY OF MADISON



MATCHLINE STA 85+00.00

MATCHLINE STA 90+00.00

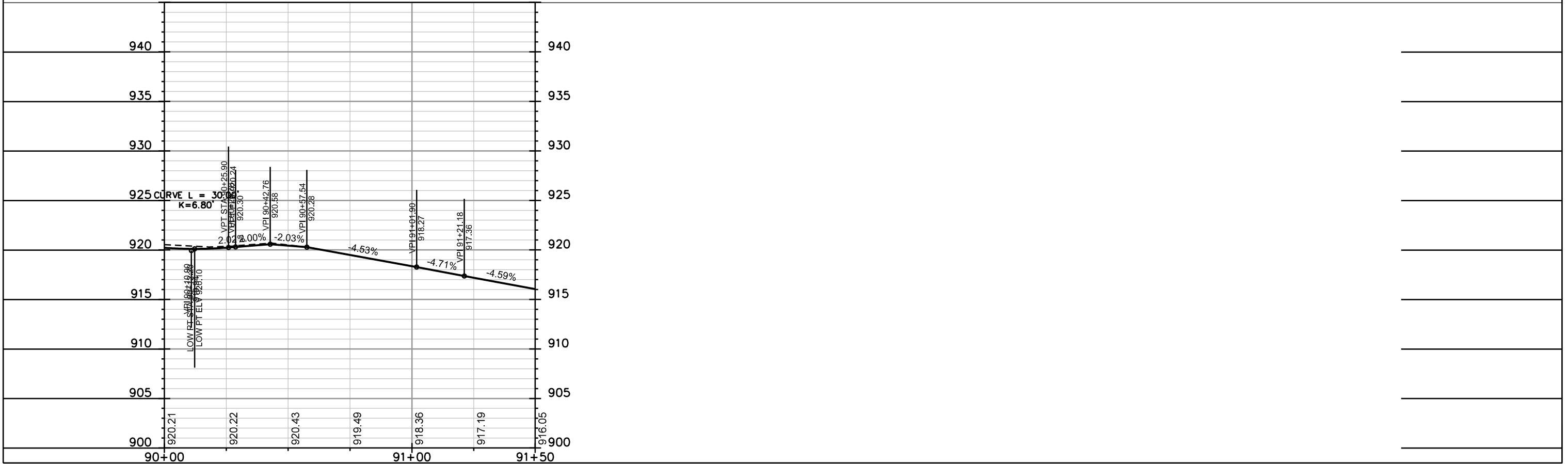
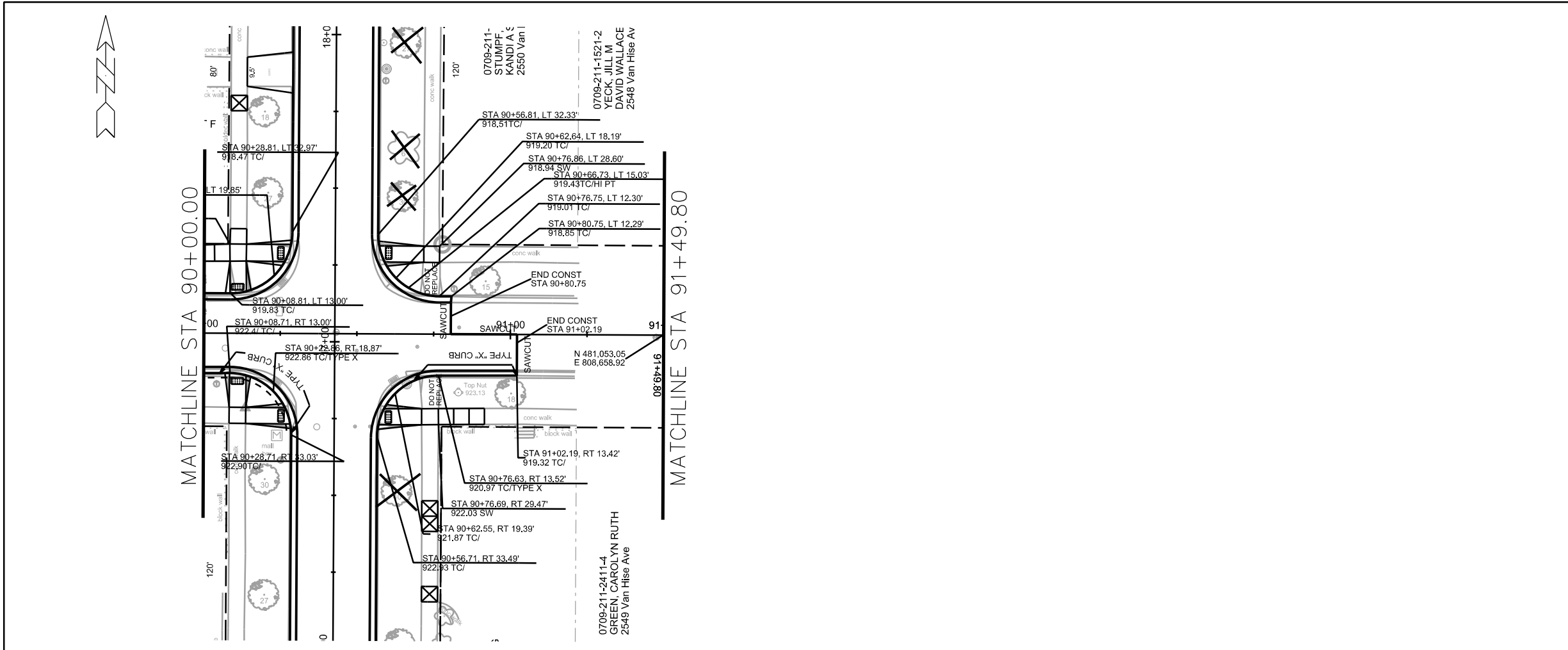


PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE VAN HISE AVENUE CITY OF MADISON

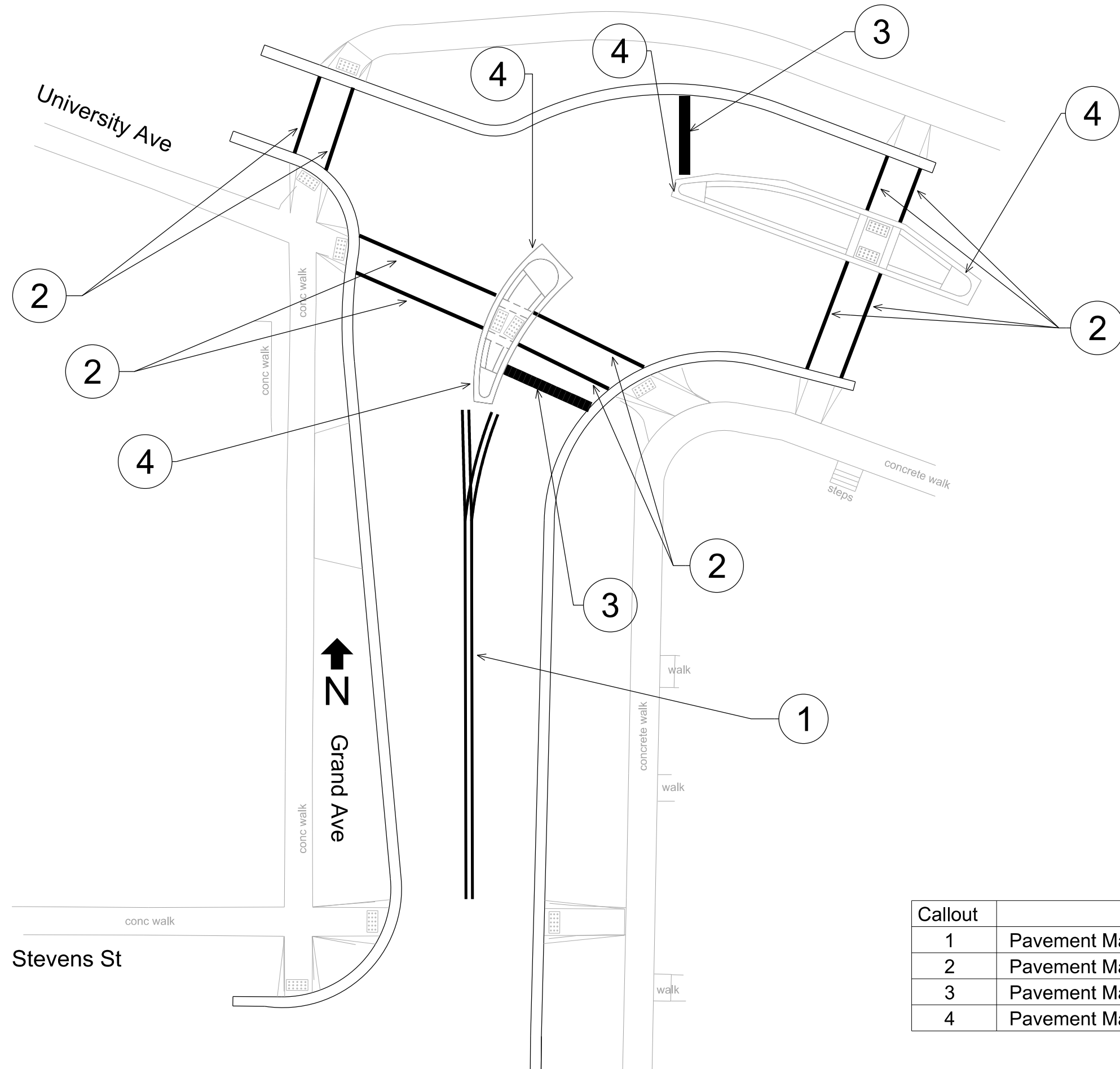


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



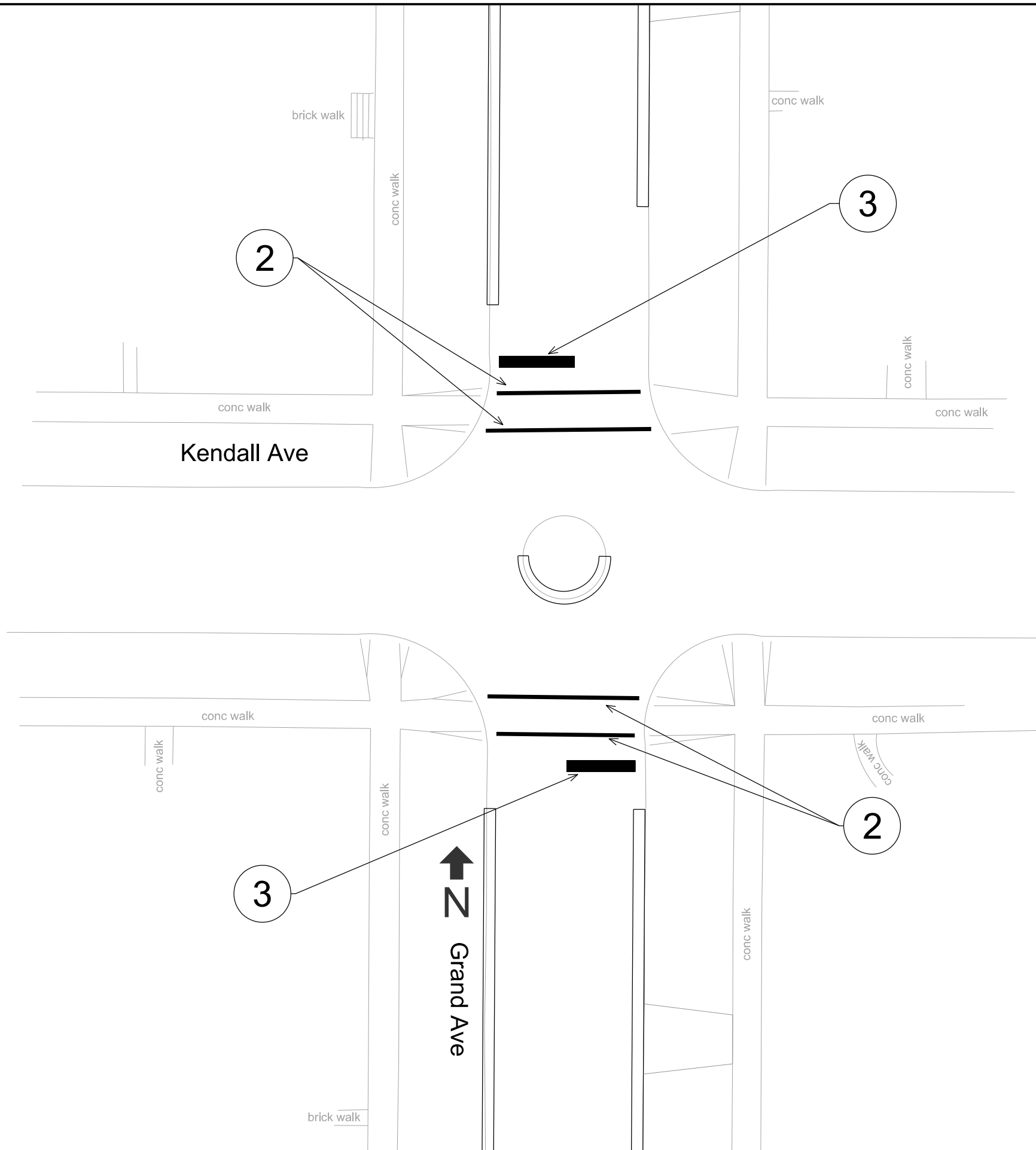
Callout	Description
1	Pavement Marking Epoxy, 4-Inch Double Yellow
2	Pavement Marking Epoxy, Crosswalk, 6-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch
4	Pavement Marking Epoxy, Median Nose

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Callout	Description
1	Pavement Marking Epoxy, 4-Inch Double Yellow
2	Pavement Marking Epoxy, Crosswalk, 6-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch
4	Pavement Marking Epoxy, Median Nose

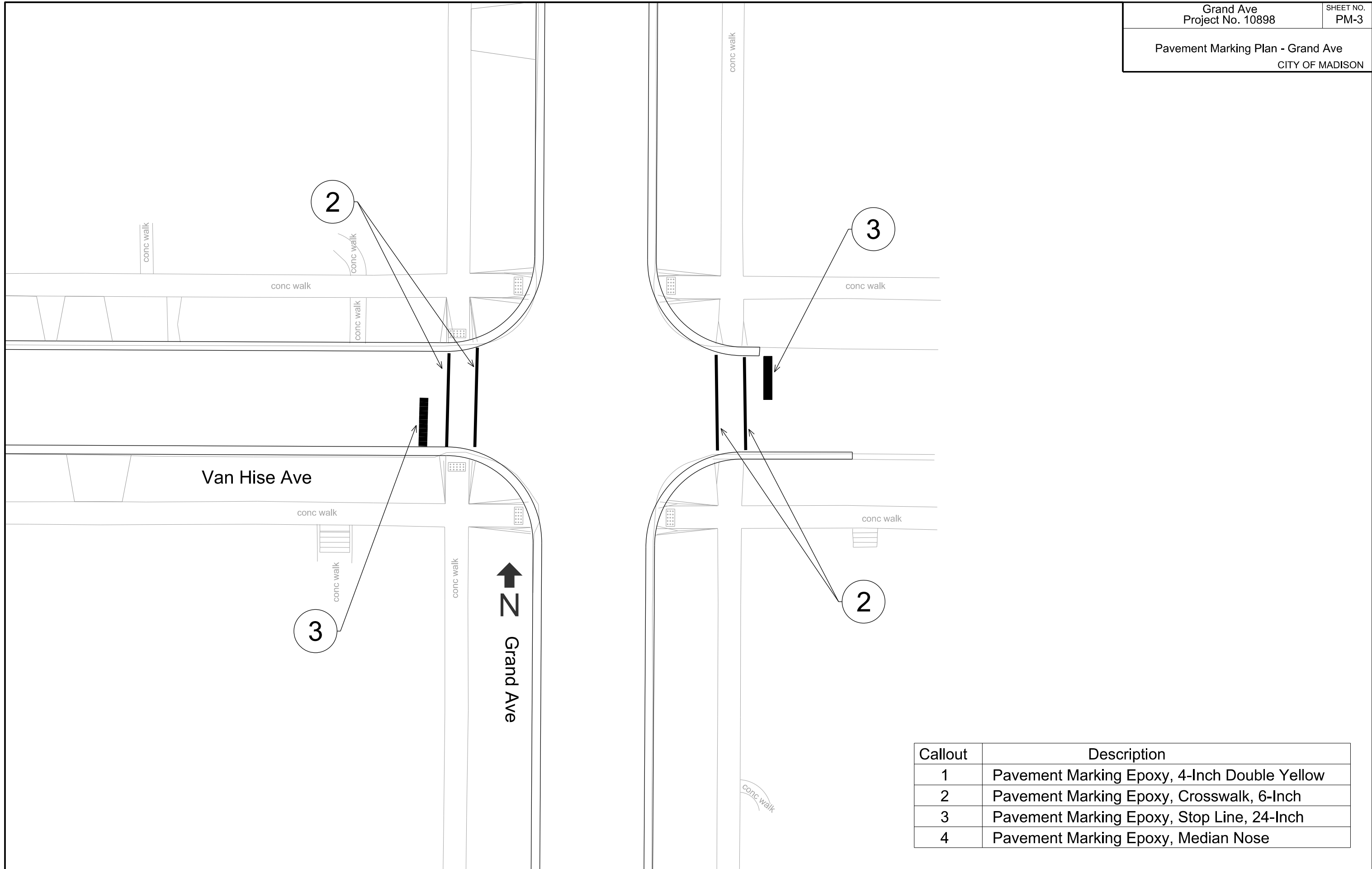
PLOT SCALE:
 PLOT NAME:
 REV. DATE:
 ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



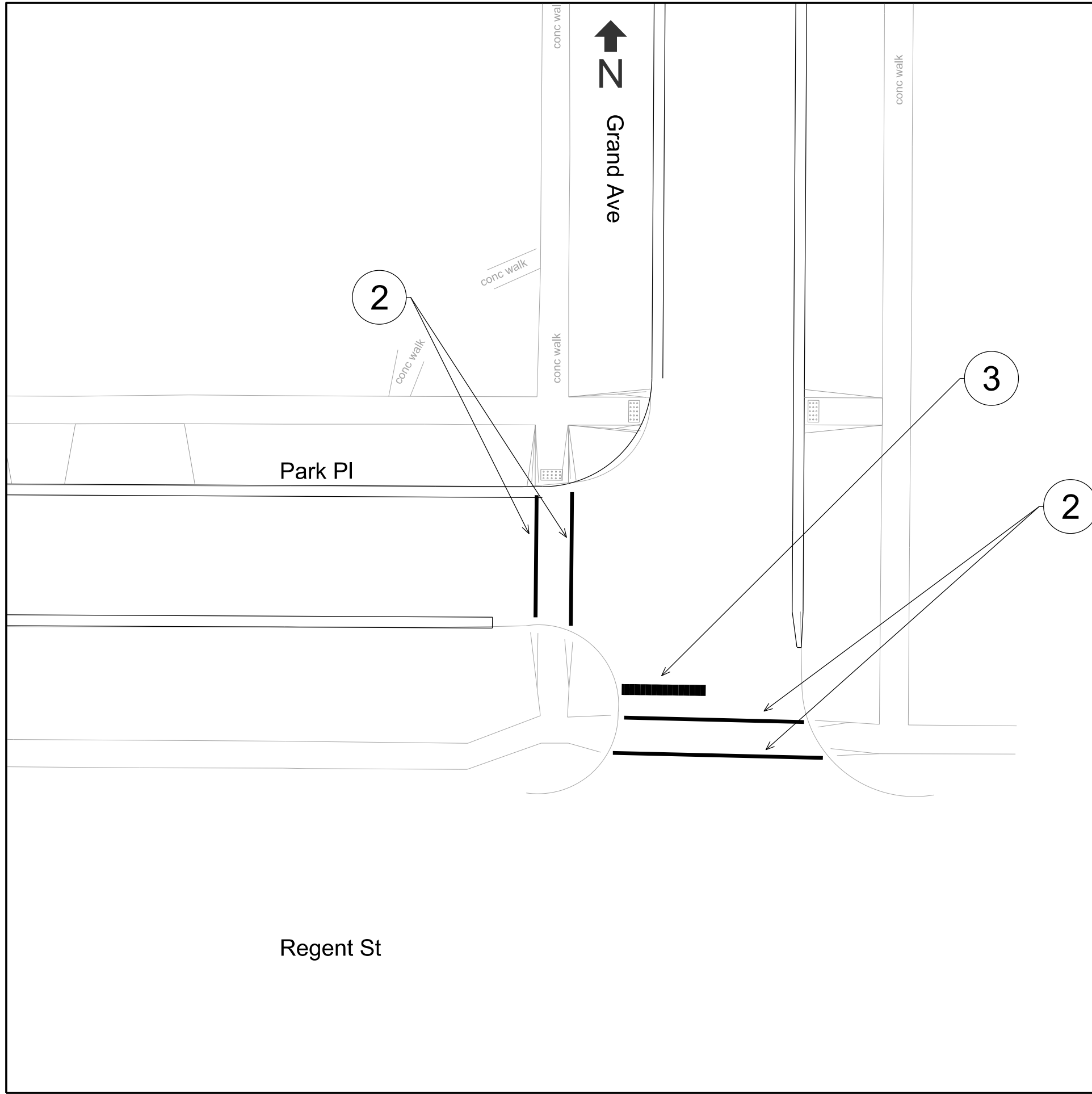
Callout	Description
1	Pavement Marking Epoxy, 4-Inch Double Yellow
2	Pavement Marking Epoxy, Crosswalk, 6-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch
4	Pavement Marking Epoxy, Median Nose

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



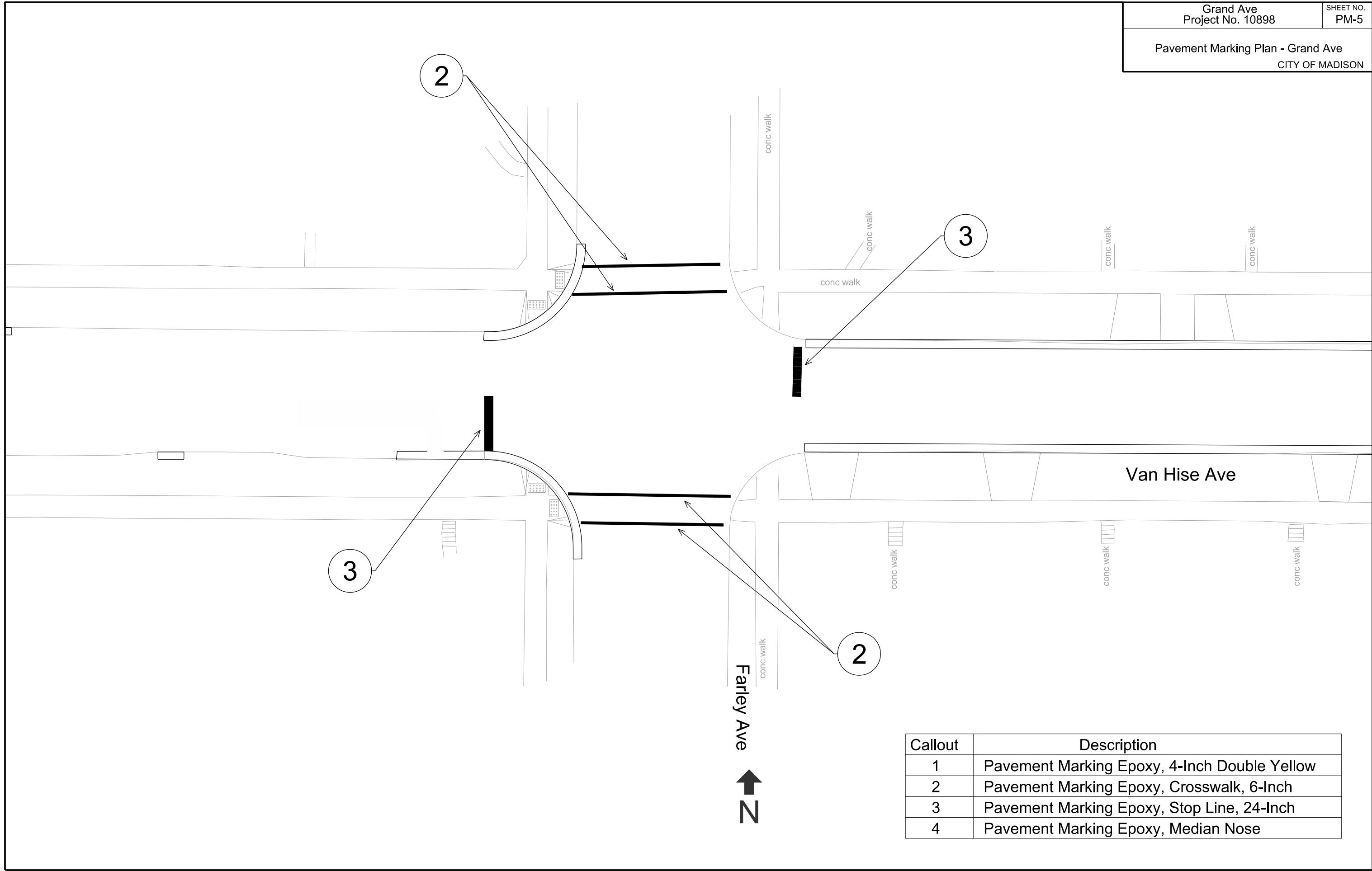
Callout	Description
1	Pavement Marking Epoxy, 4-Inch Double Yellow
2	Pavement Marking Epoxy, Crosswalk, 6-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch
4	Pavement Marking Epoxy, Median Nose

PLOT SCALE:

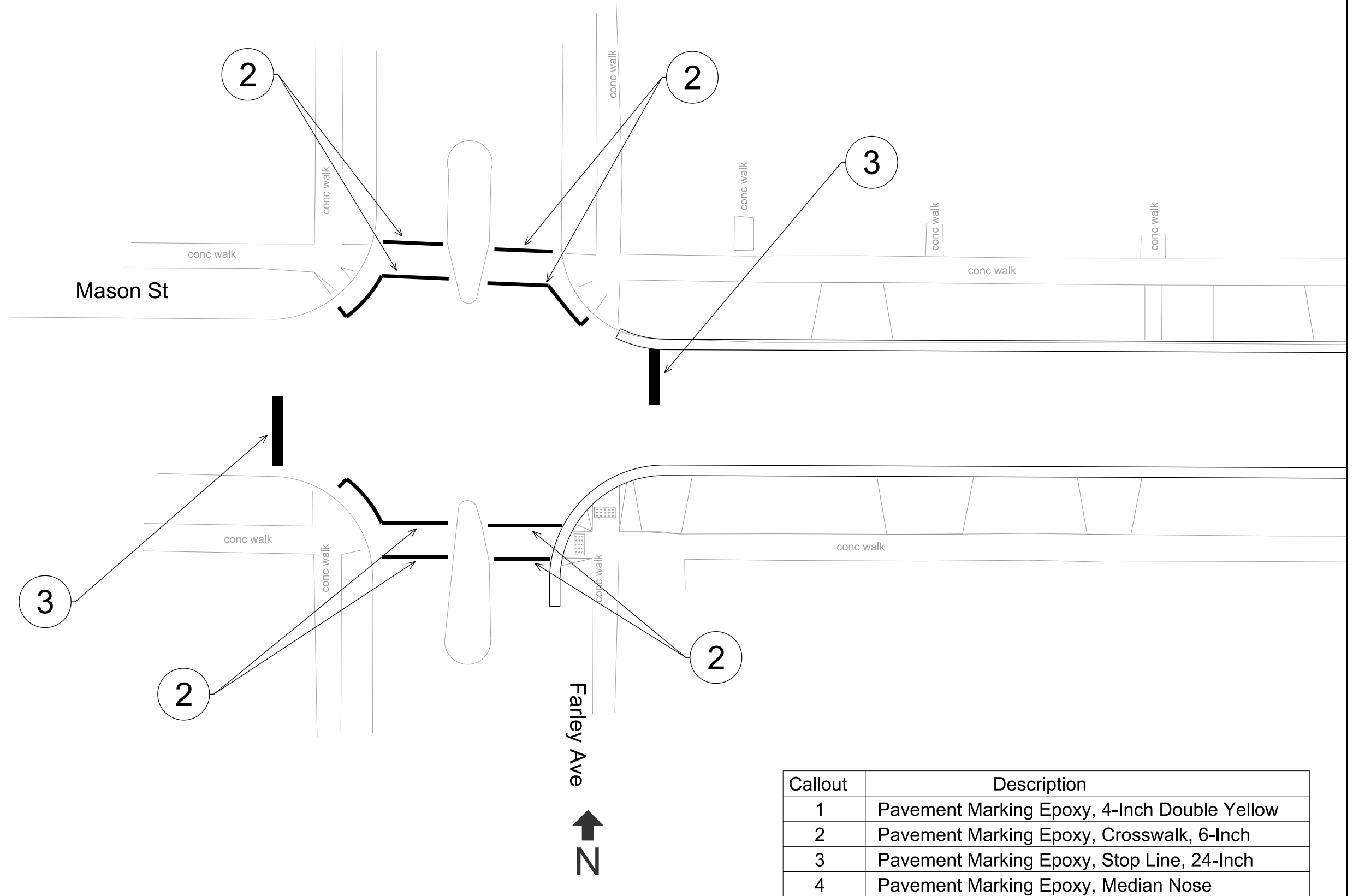
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Callout	Description
1	Pavement Marking Epoxy, 4-Inch Double Yellow
2	Pavement Marking Epoxy, Crosswalk, 6-Inch
3	Pavement Marking Epoxy, Stop Line, 24-Inch
4	Pavement Marking Epoxy, Median Nose



PLOT SCALE:

PLOT NAME:

REV. DATE:

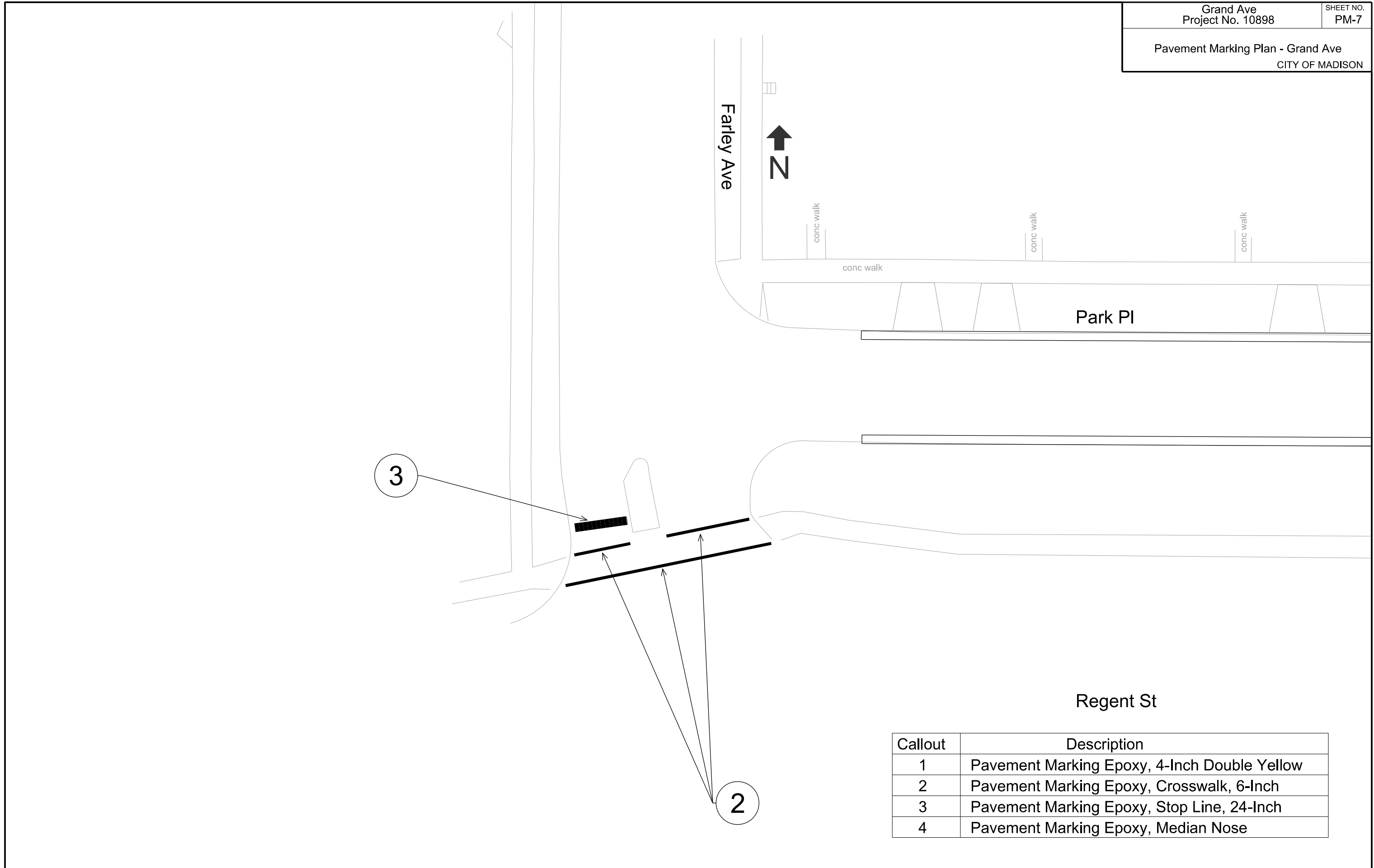
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.







PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



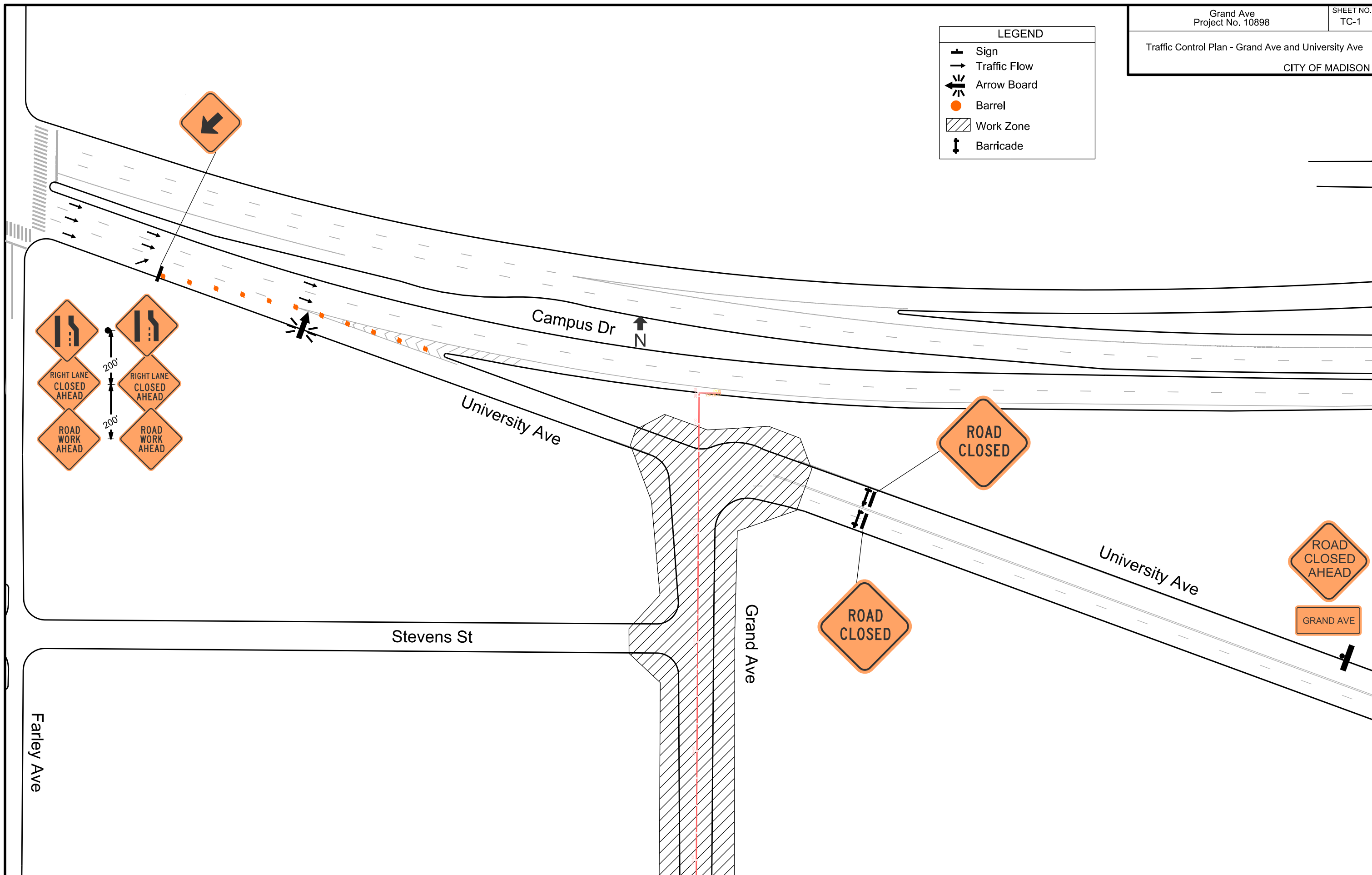
LEGEND	
	Sign
	Traffic Flow
	Arrow Board
	Barrel
	Work Zone
	Barricade

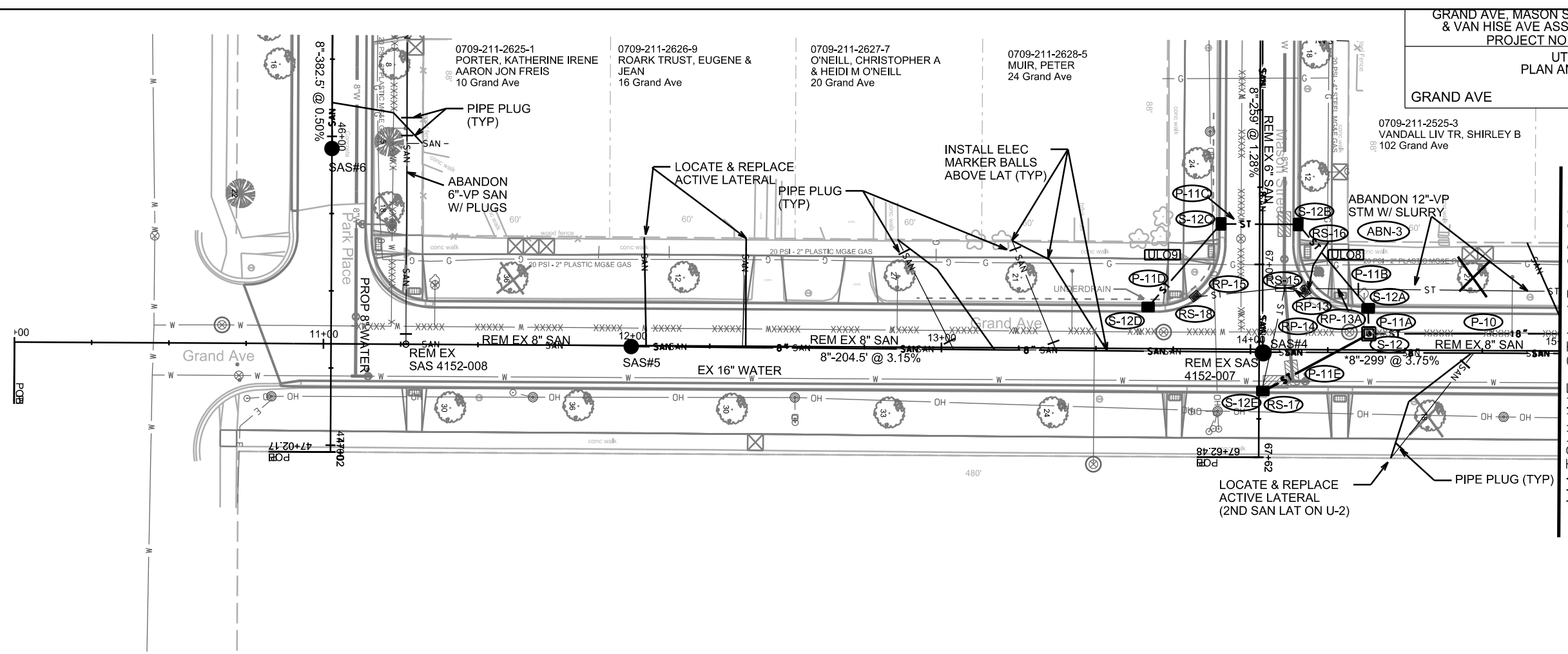
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PLOT NAME:

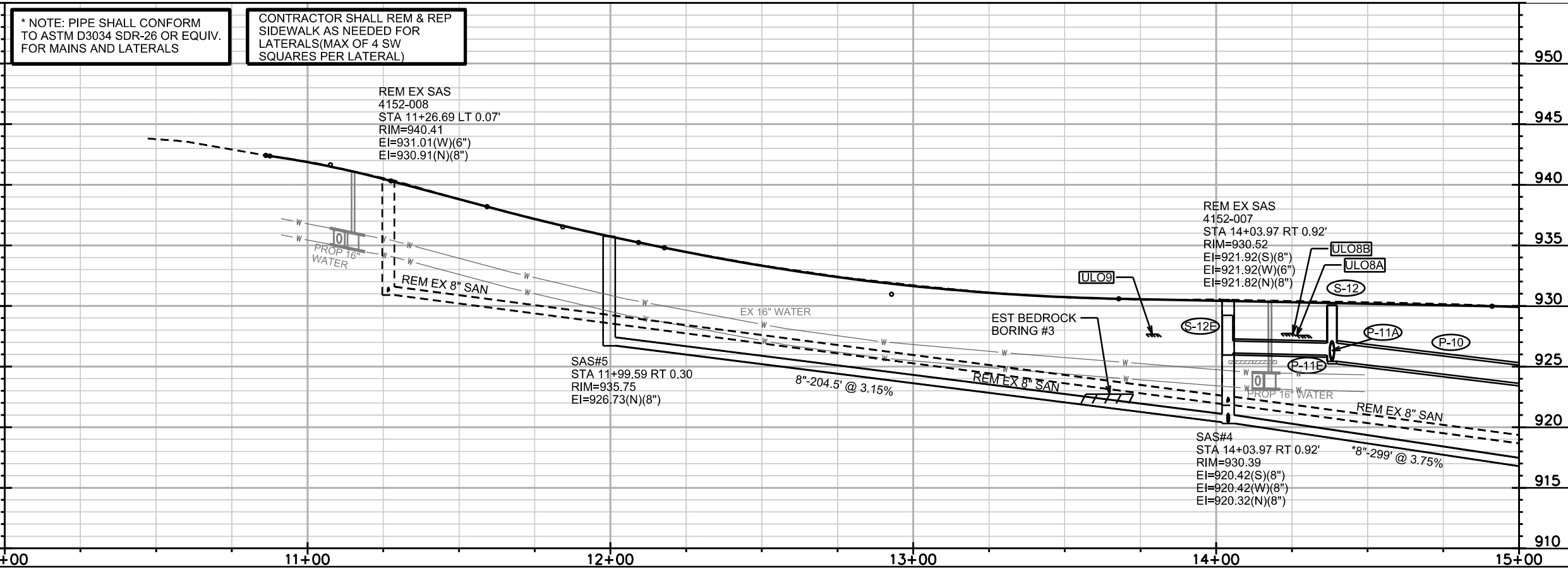
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





ULO8 REFERRED TO AS ULO8A & ULO8B ON SCHEDULE



* NOTE: PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR MAINS AND LATERALS

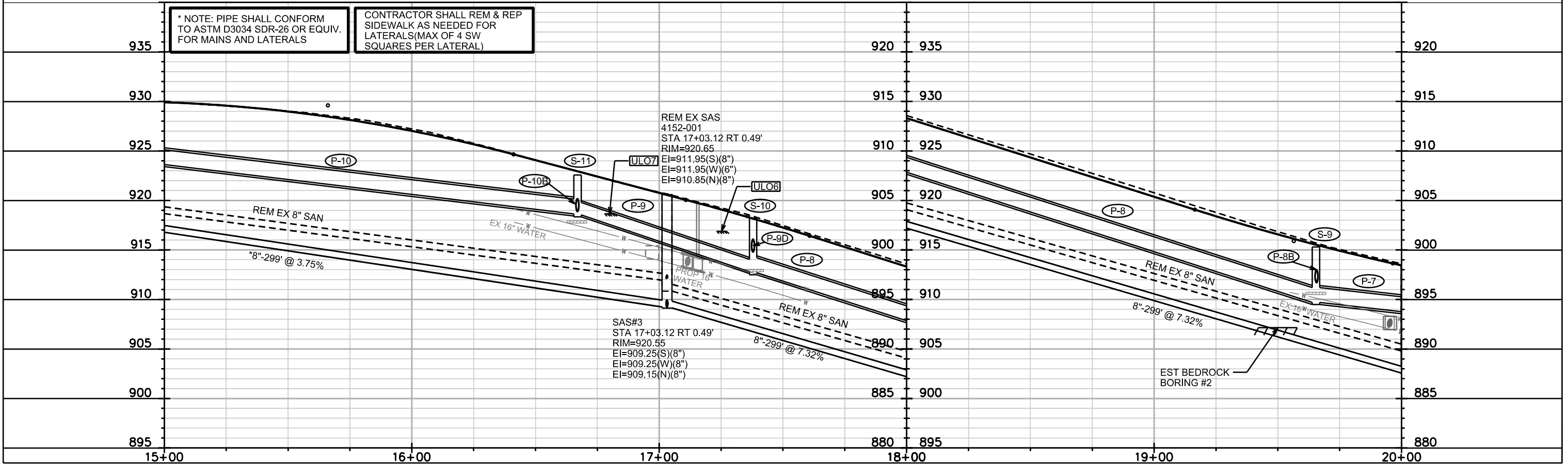
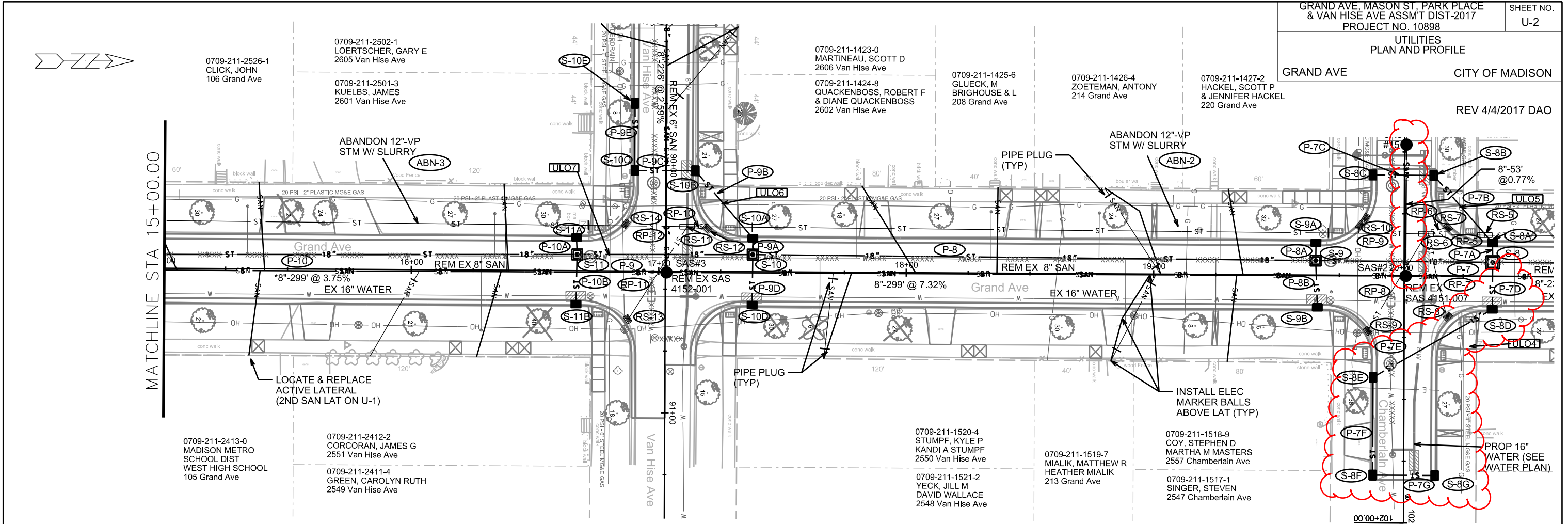
CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES PER LATERAL)

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



* NOTE: PIPE SHALL CONFORM TO ASTM D3034 SDR-26 OR EQUIV. FOR MAINS AND LATERALS
CONTRACTOR SHALL REM & REP SIDEWALK AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES PER LATERAL)

REM EX SAS
4152-001
STA 17+03.12 RT 0.49'
RIM=920.65
EI=911.95(S)(8")
EI=911.95(W)(6")
EI=910.85(N)(8")

SAS#3
STA 17+03.12 RT 0.49'
RIM=920.55
EI=909.25(S)(8")
EI=909.25(W)(8")
EI=909.15(N)(8")

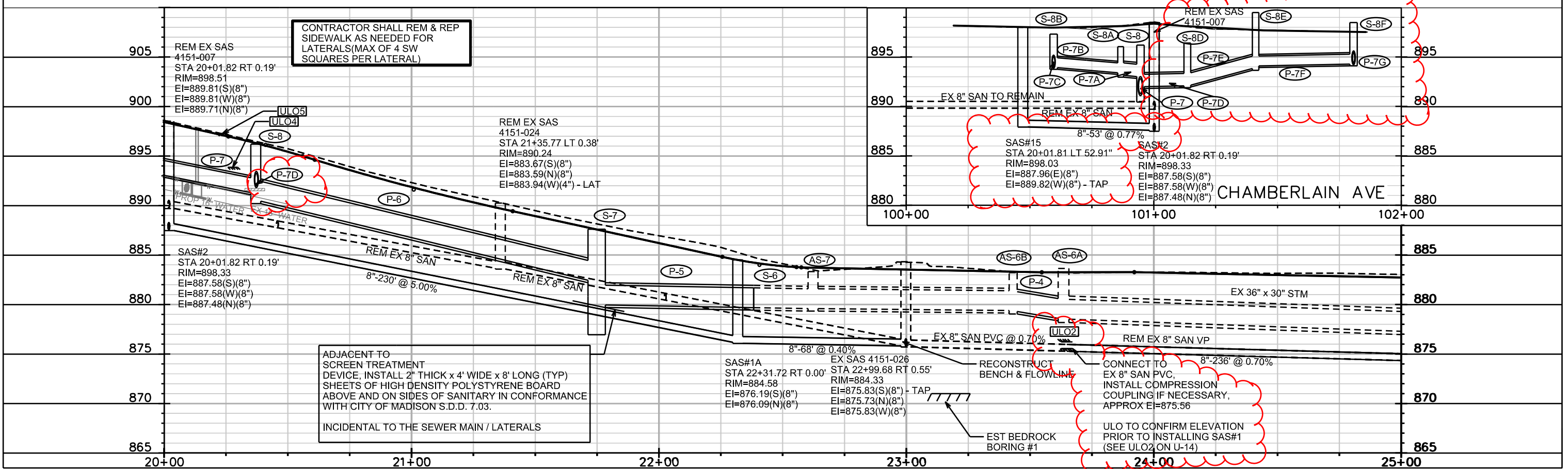
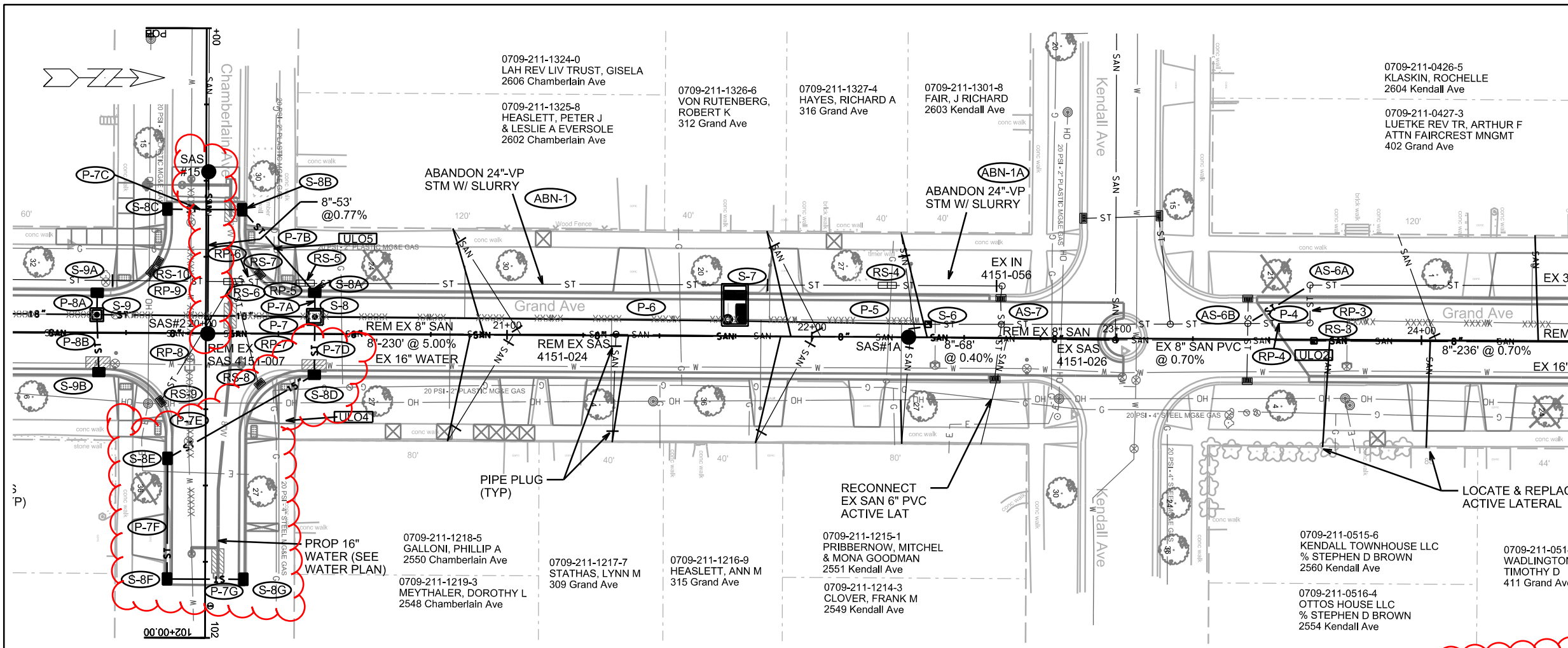
EST BEDROCK BORING #2

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

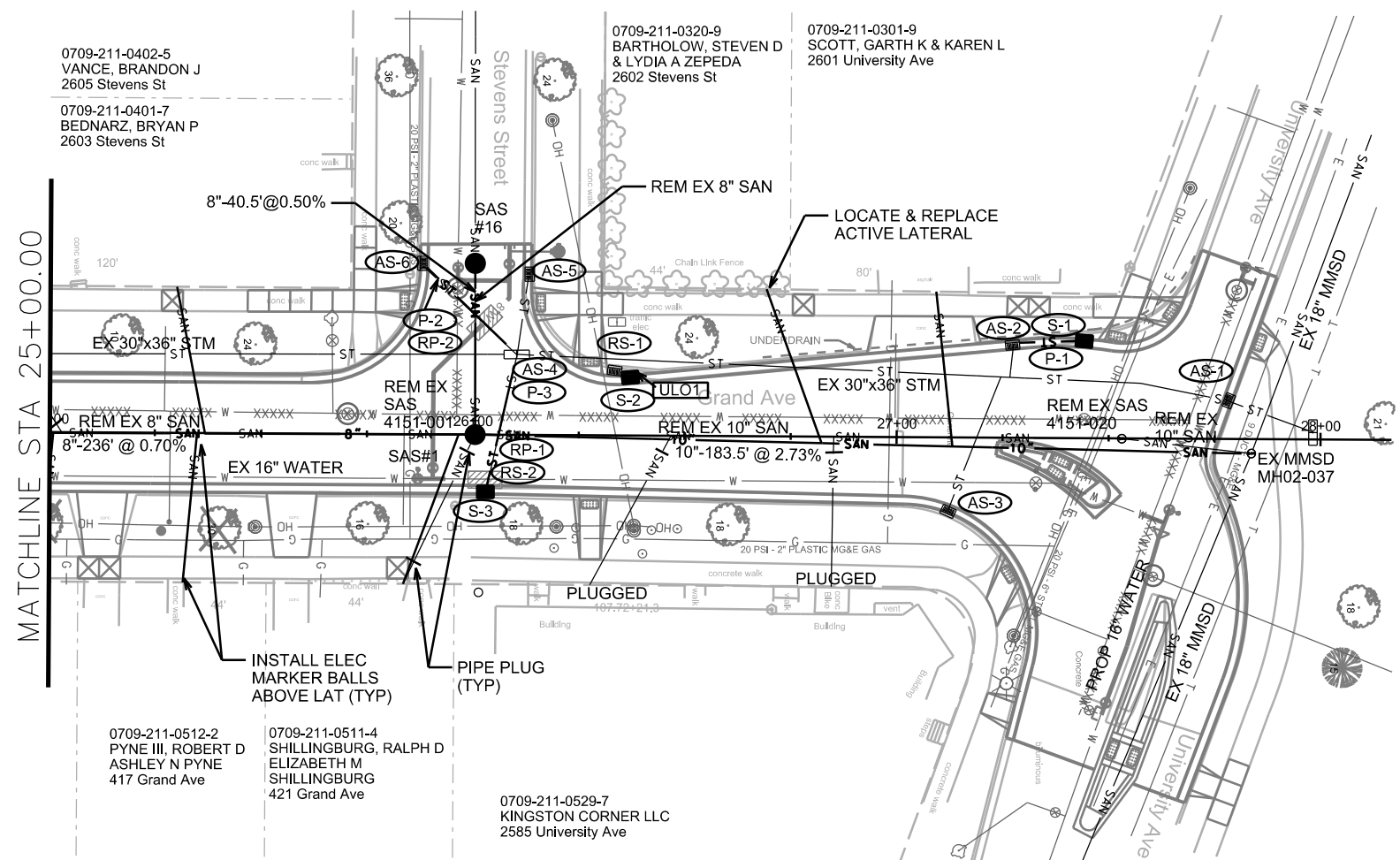
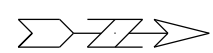
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

ADJACENT TO SCREEN TREATMENT DEVICE, INSTALL 2" THICK x 4' WIDE x 8' LONG (TYP) SHEETS OF HIGH DENSITY POLYSTYRENE BOARD ABOVE AND ON SIDES OF SANITARY IN CONFORMANCE WITH CITY OF MADISON S.D.D. 7.03.
INCIDENTAL TO THE SEWER MAIN / LATERALS

CONNECT TO EX 8" SAN PVC, INSTALL COMPRESSION COUPLING IF NECESSARY, APPROX EI=875.56
ULO TO CONFIRM ELEVATION PRIOR TO INSTALLING SAS#1 (SEE ULO2 ON U-14)



0709-211-0402-5
VANCE, BRANDON J
2605 Stevens St

0709-211-0401-7
BEDNARZ, BRYAN P
2603 Stevens St

0709-211-0320-9
BARTHOLOW, STEVEN D
& LYDIA A ZEPEDA
2602 Stevens St

0709-211-0301-9
SCOTT, GARTH K & KAREN L
2601 University Ave

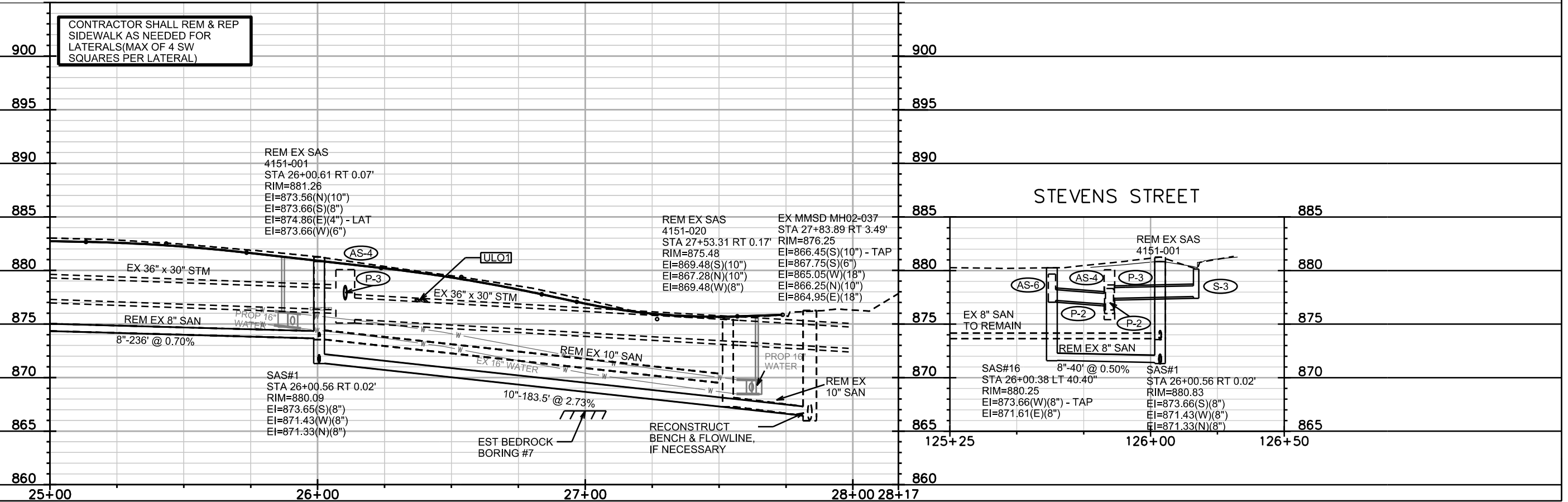
0709-211-0512-2
PYNE III, ROBERT D
ASHLEY N PYNE
417 Grand Ave

0709-211-0511-4
SHILLINGBURG, RALPH D
ELIZABETH M
SHILLINGBURG
421 Grand Ave

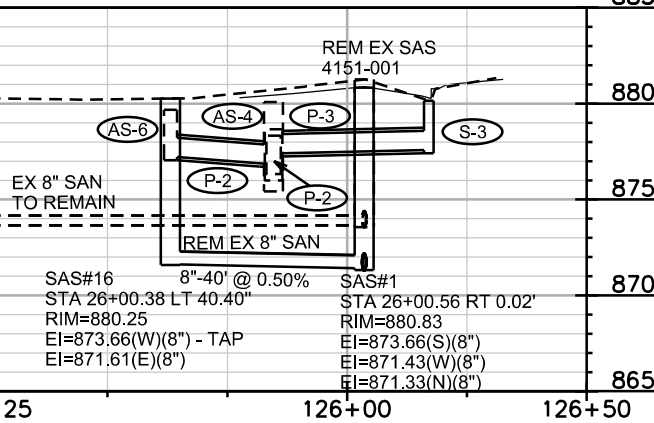
0709-211-0529-7
KINGSTON CORNER LLC
2585 University Ave

NOTE: CONTRACTOR SHALL NOTIFY RAY SCHNEIDER, (608) 347-3628 OR RAYS@MADSEWER.ORG, 5 DAYS PRIOR TO MAKING THE TAP CONNECTION TO THE MMSD MANHOLE TO ARRANGE FOR INSPECTION OF THE CONNECTION. TAP CONNECTION WILL BE RESPONSIBLE FOR TAKING OUT & PAYING THE PERMIT FEE FOR THE MMSD CONNECTION PERMIT.

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



STEVENS STREET

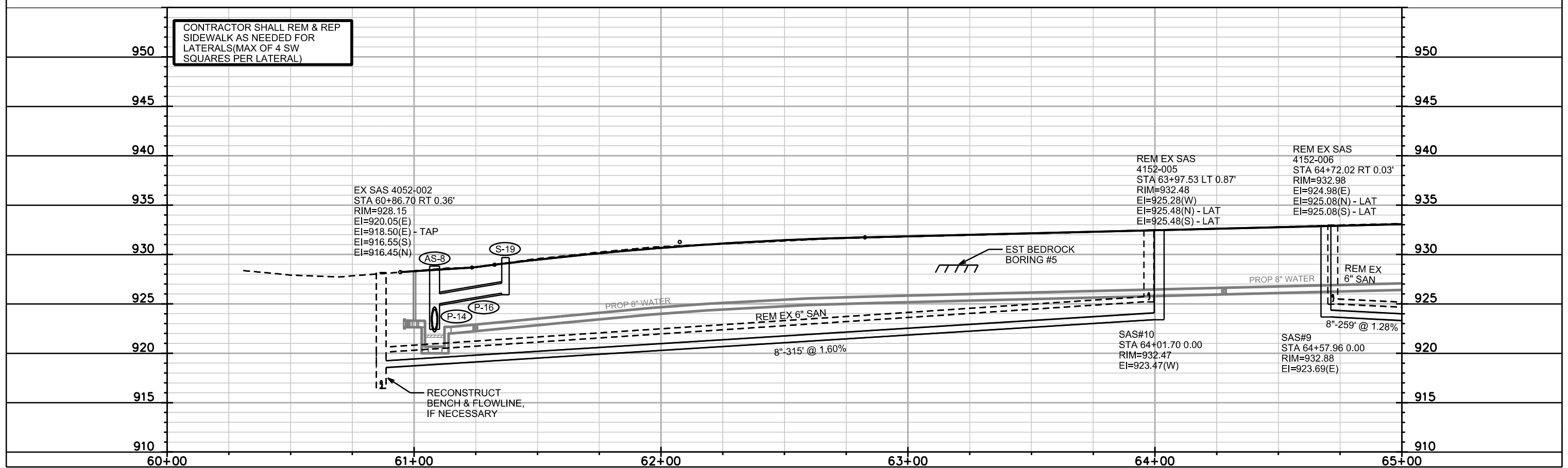
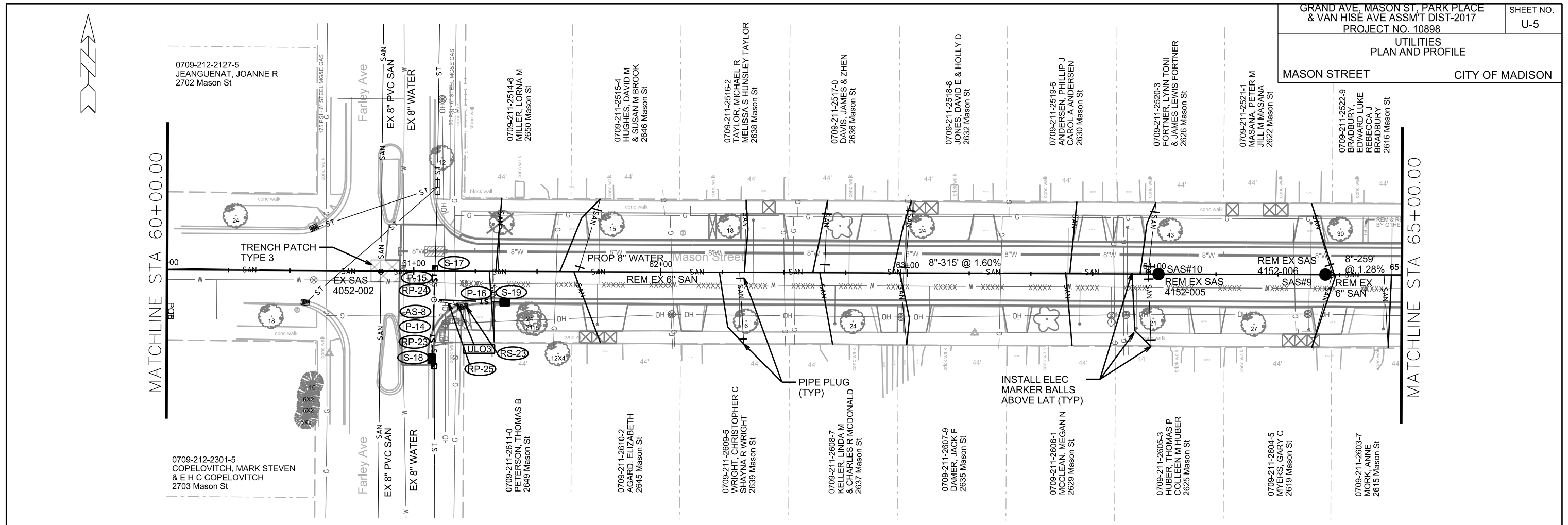


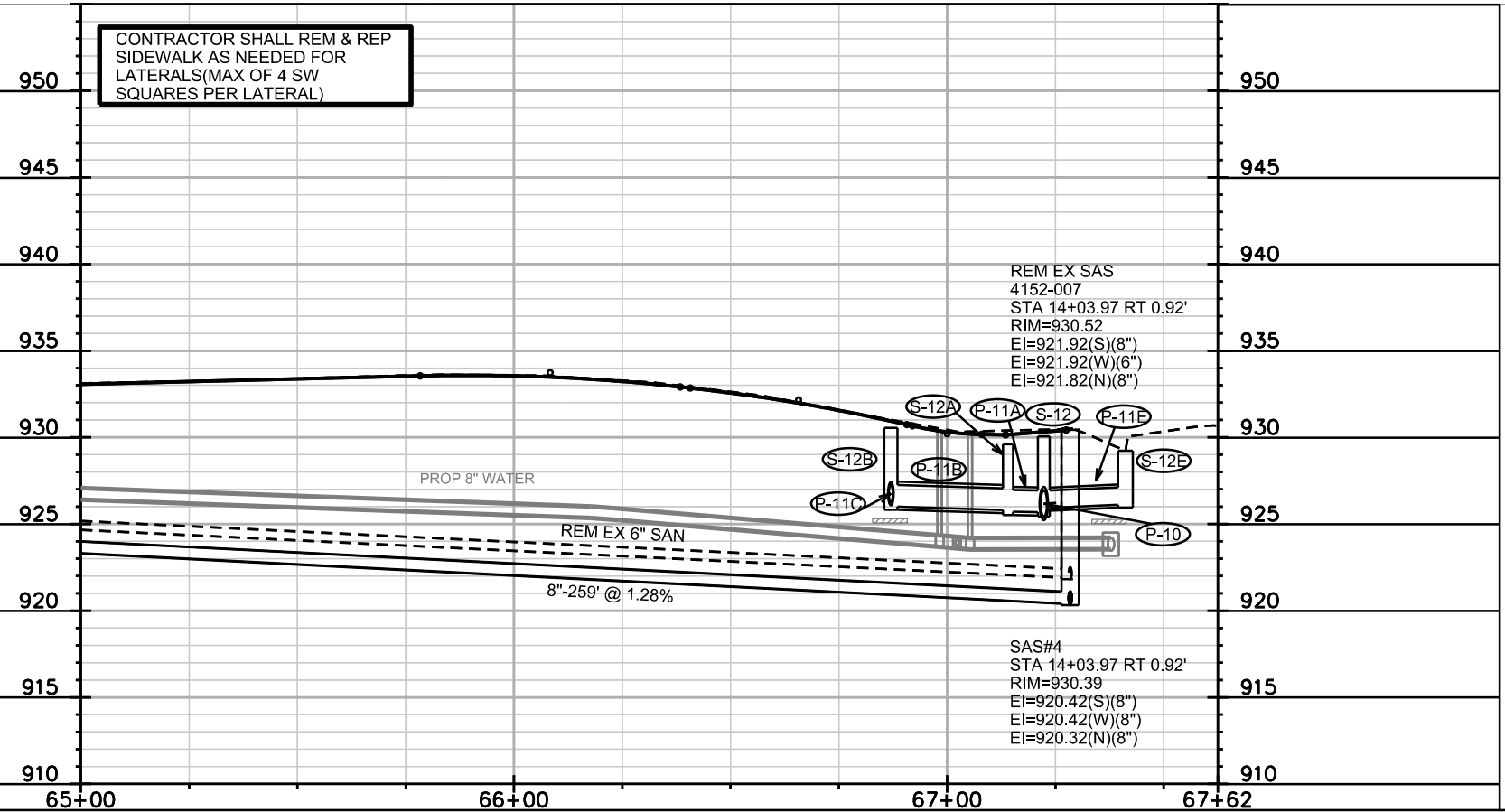
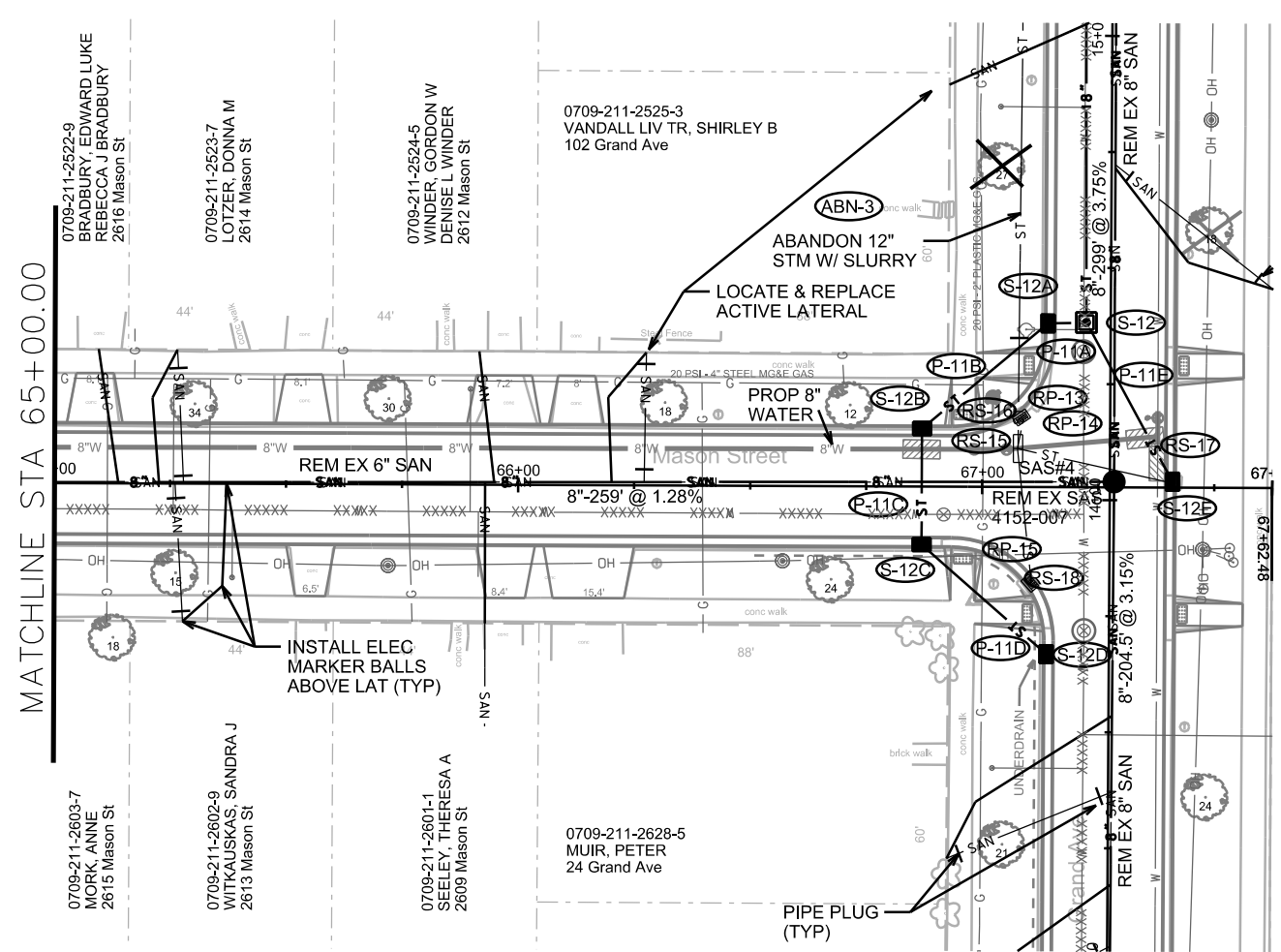
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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

REM EX SAS
 4152-007
 STA 14+03.97 RT 0.92'
 RIM=930.52
 EI=921.92(S)(8")
 EI=921.92(W)(6")
 EI=921.82(N)(8")

SAS#4
 STA 14+03.97 RT 0.92'
 RIM=930.39
 EI=920.42(S)(8")
 EI=920.42(W)(8")
 EI=920.32(N)(8")

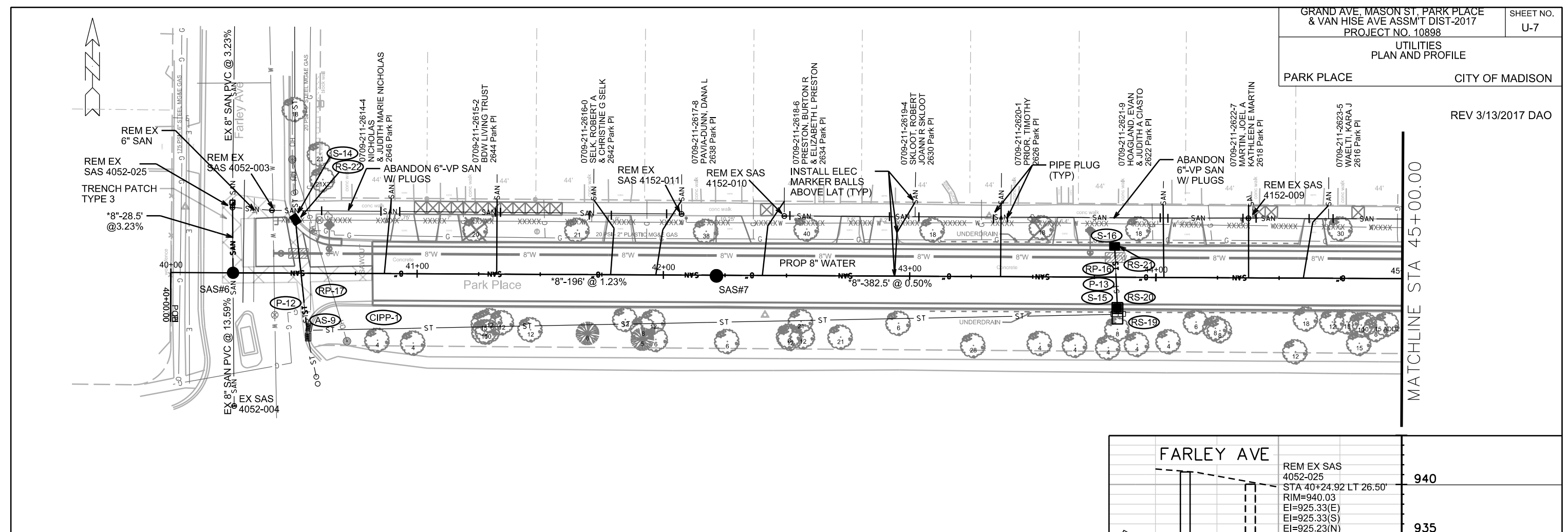
PLOT SCALE: _____

PLOT NAME: _____

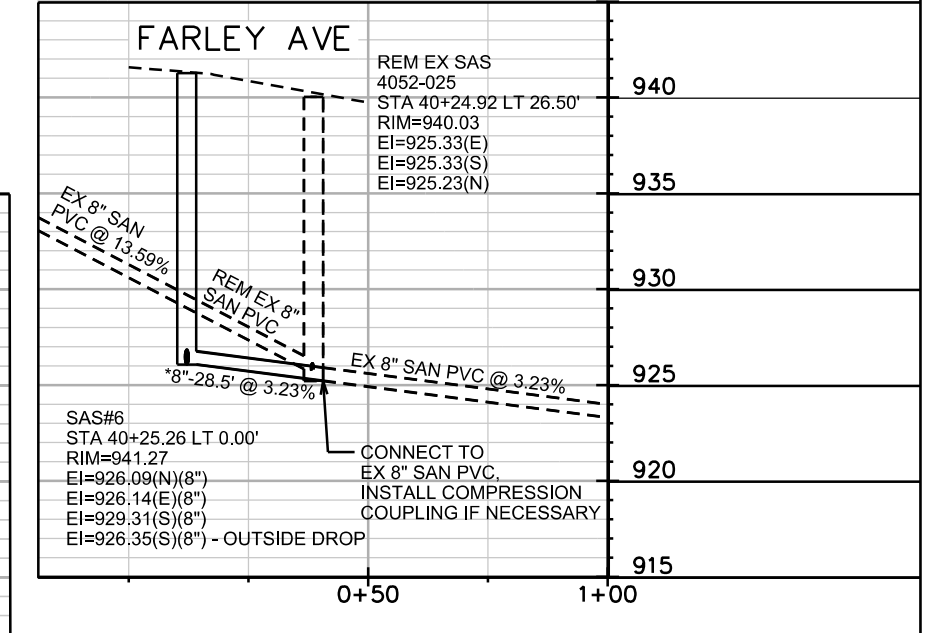
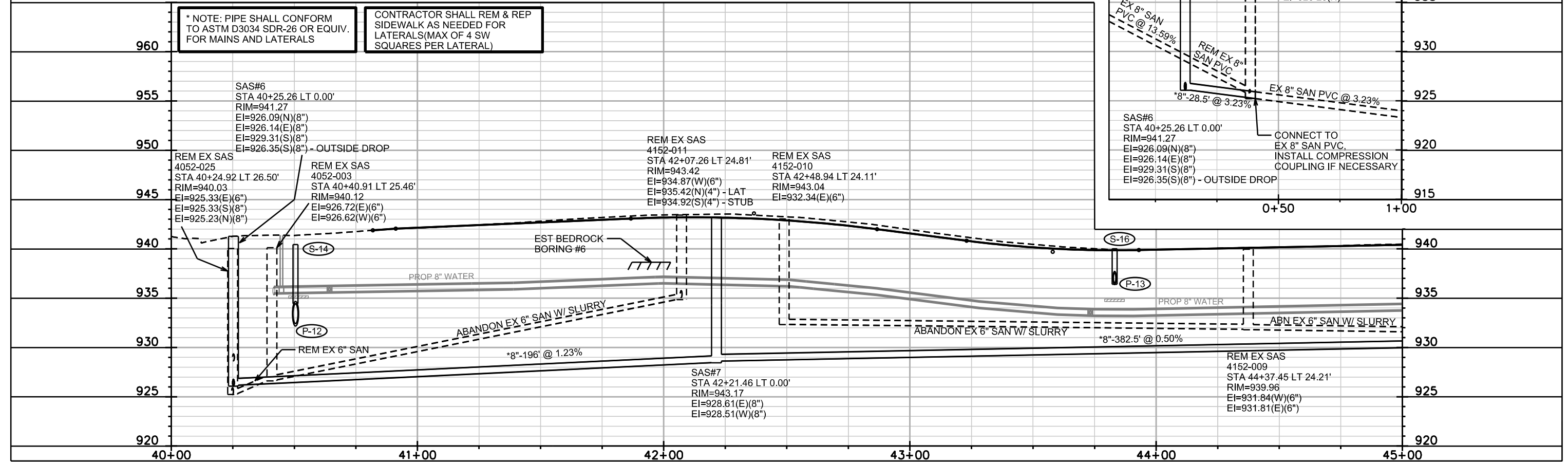
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 3/13/2017 DAO



MATCHLINE STA 45+00.00

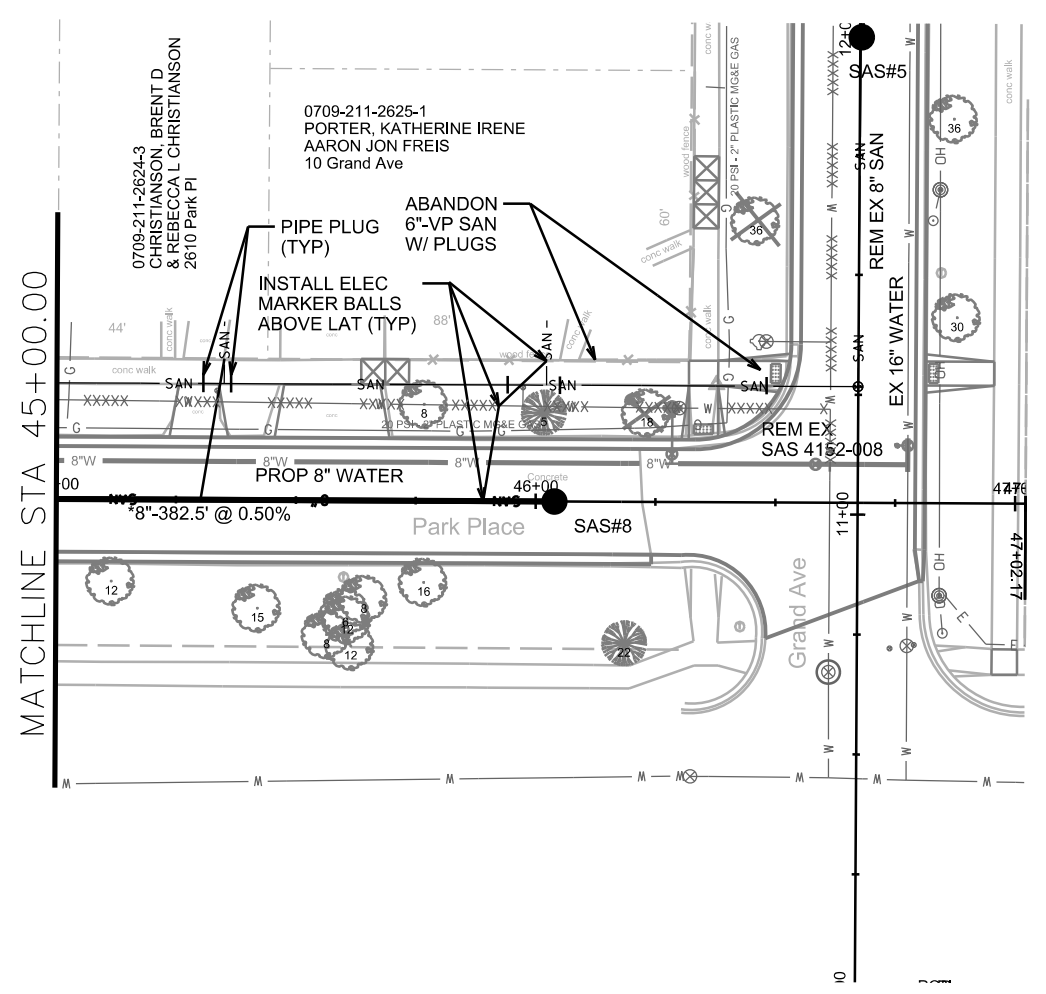


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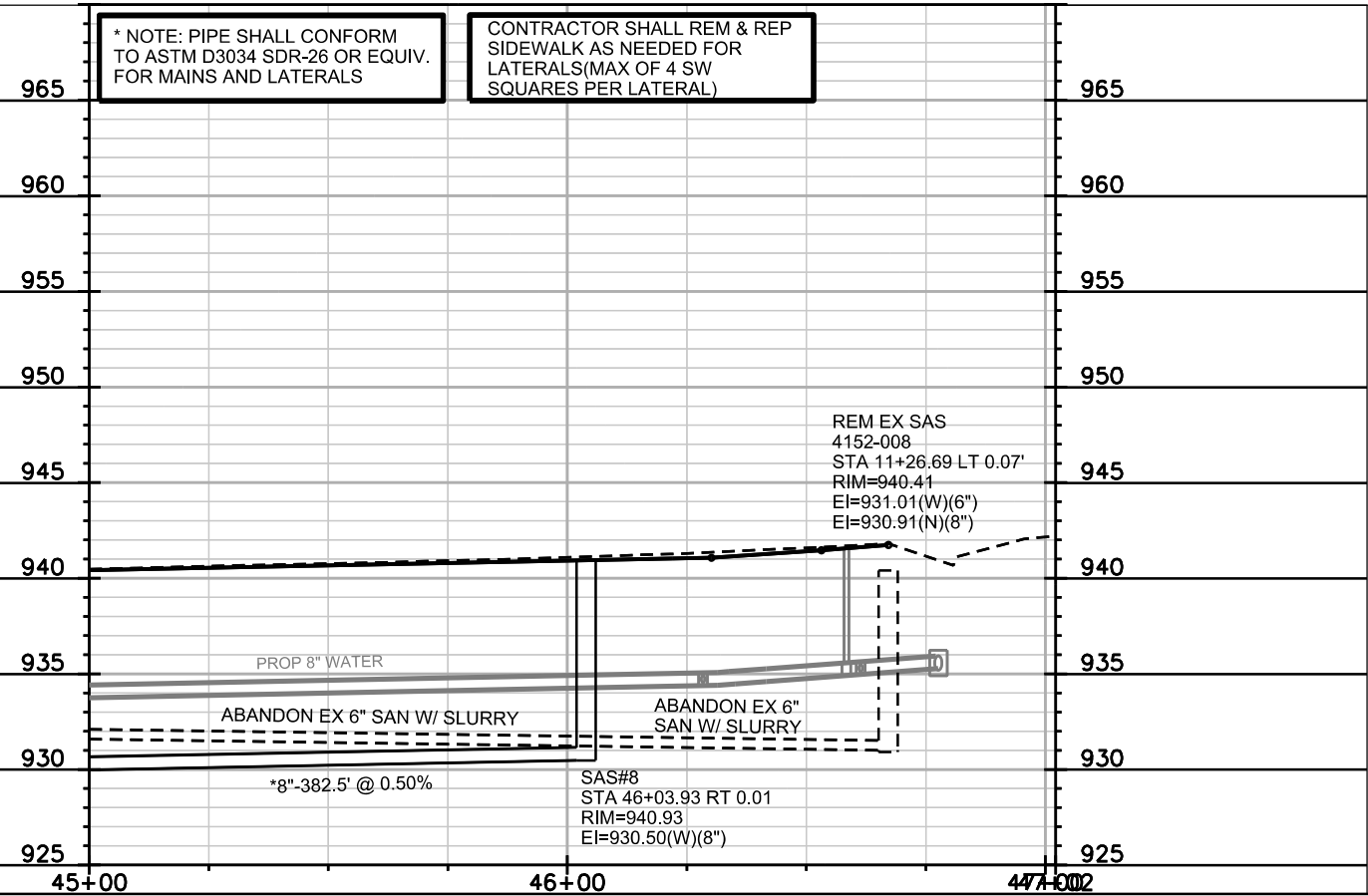
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

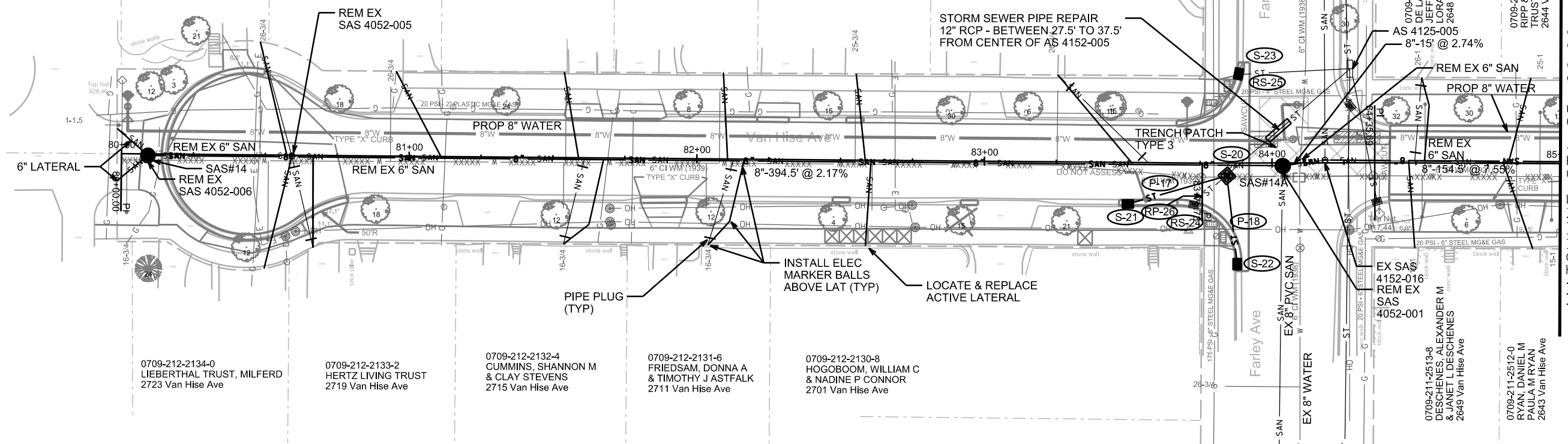


PLOT SCALE: _____
PLOT NAME: _____



REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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



REM EX SAS 4052-006
STA 80+09.19 RT 0.53'
RIM=923.82
EI=914.52(E)(6")
EI=917.52(NW)(6") - LAT
EI=917.52(SW)(6") - LAT

SAS#14
STA 80+04.00 RT 0.02'
RIM=923.82
EI=913.09(E)(8")
EI=917.52(NW)(6") - LAT TAP
EI=917.52(SW)(6") - LAT TAP

REM EX SAS 4052-005
STA 80+59.24 RT 0.36'
RIM=921.71
EI=913.41(W)(6")
EI=913.31(E)(6")
EI=913.51(SE)(4") - LAT
EI=914.11(SW)(4") - LAT
EI=9013.51(N)(4") - LAT

REM EX SAS 4052-001
STA 84+03.59 RT 0.97'
RIM=914.37
EI=905.67(S)(8")
EI=905.77(W)(6")
EI=905.57(E)(6")

EX SAS 4152-016
STA 84+18.42 LT 0.98'
RIM=913.78
EI=902.58(E)(8") - TAP
EI=903.78(E)(6")
EI=904.28(W)(6")
EI=904.20(W)(8") - TAP
EI=902.48(N)(8")

REM EX 6" SAN
8"-15' @ 2.74%

SAS#14A
STA 84+03.56 RT 0.97'
RIM=914.16
EI=905.67(S)(8") - TAP
EI=904.60(W)(8")
EI=904.50(E)(8")

RECONSTRUCT BENCH & FLOWLINES

PLOT SCALE: _____

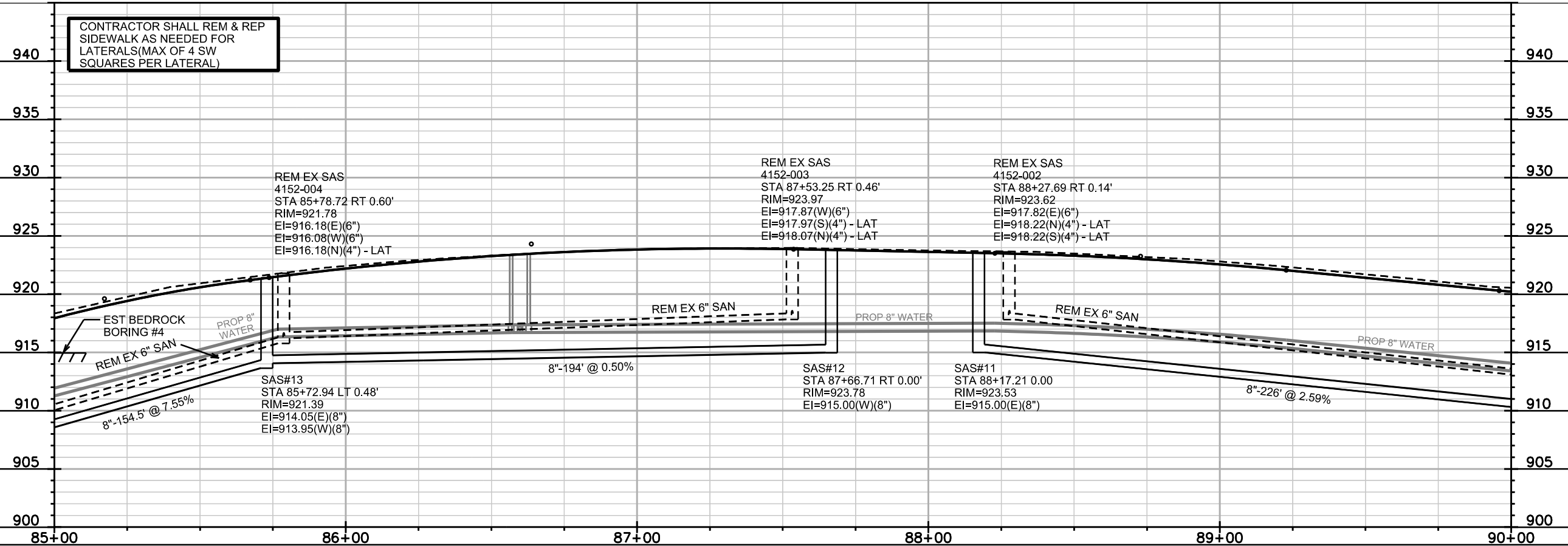
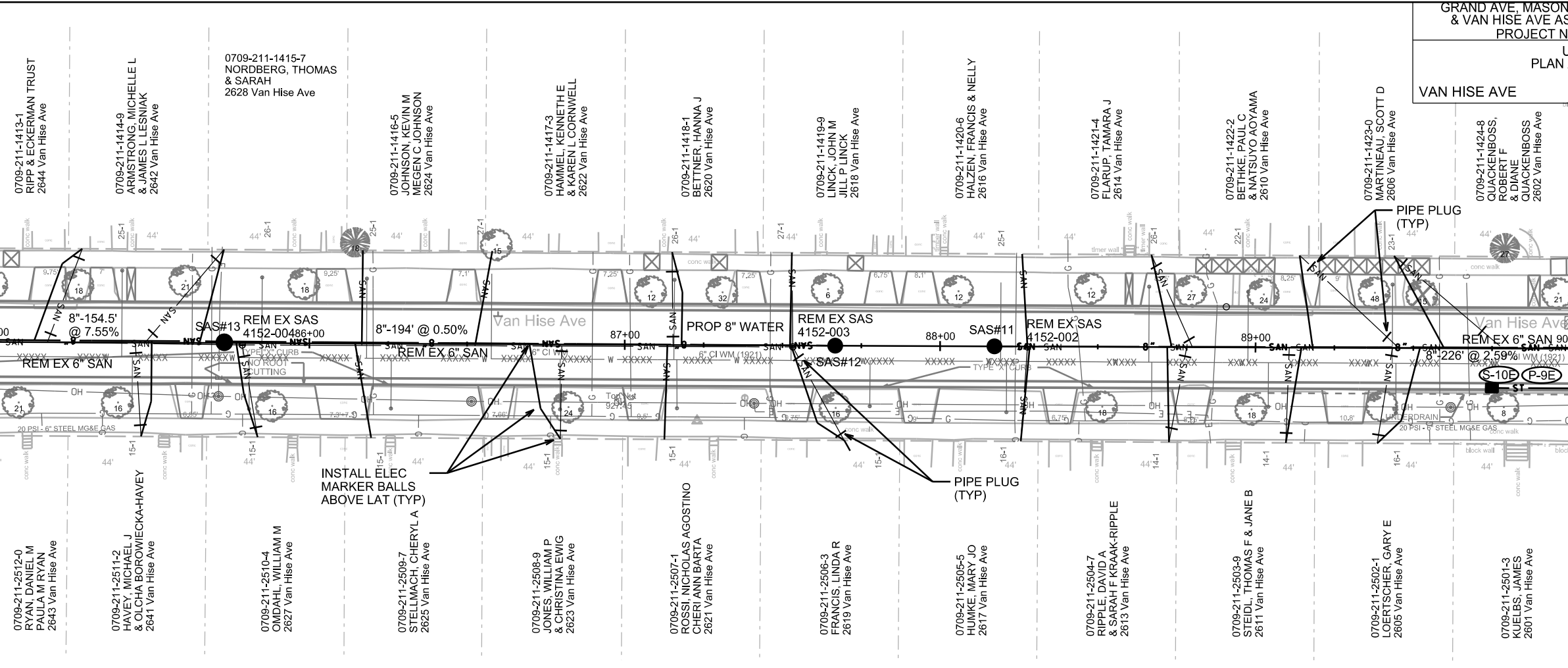
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 85+00.00

MATCHLINE STA 90+00.00



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

REM EX SAS 4152-004
STA 85+78.72 RT 0.60'
RIM=921.78
EI=916.18(E)(6")
EI=916.08(W)(6")
EI=916.18(N)(4") - LAT

REM EX SAS 4152-003
STA 87+53.25 RT 0.46'
RIM=923.97
EI=917.87(W)(6")
EI=917.97(S)(4") - LAT
EI=918.07(N)(4") - LAT

REM EX SAS 4152-002
STA 88+27.69 RT 0.14'
RIM=923.62
EI=917.82(E)(6")
EI=918.22(N)(4") - LAT
EI=918.22(S)(4") - LAT

SAS#13
STA 85+72.94 LT 0.48'
RIM=921.39
EI=914.05(E)(8")
EI=913.95(W)(8")

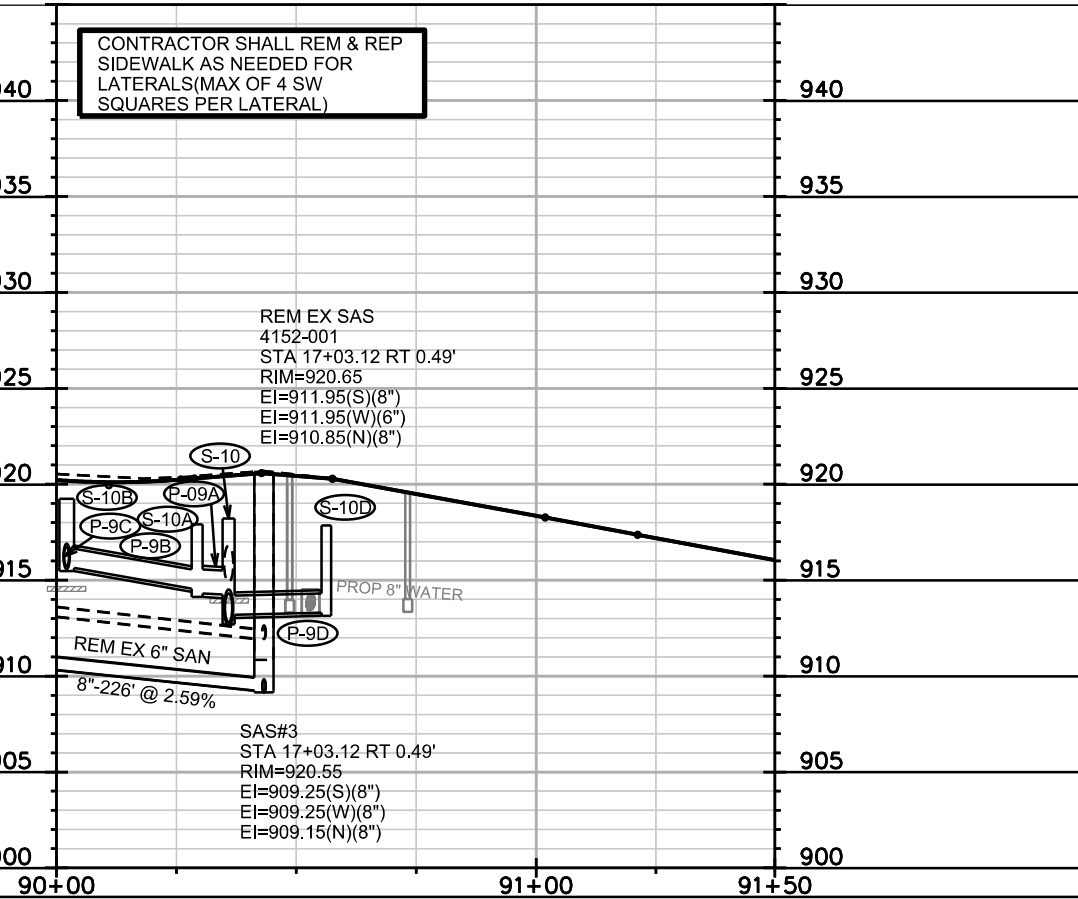
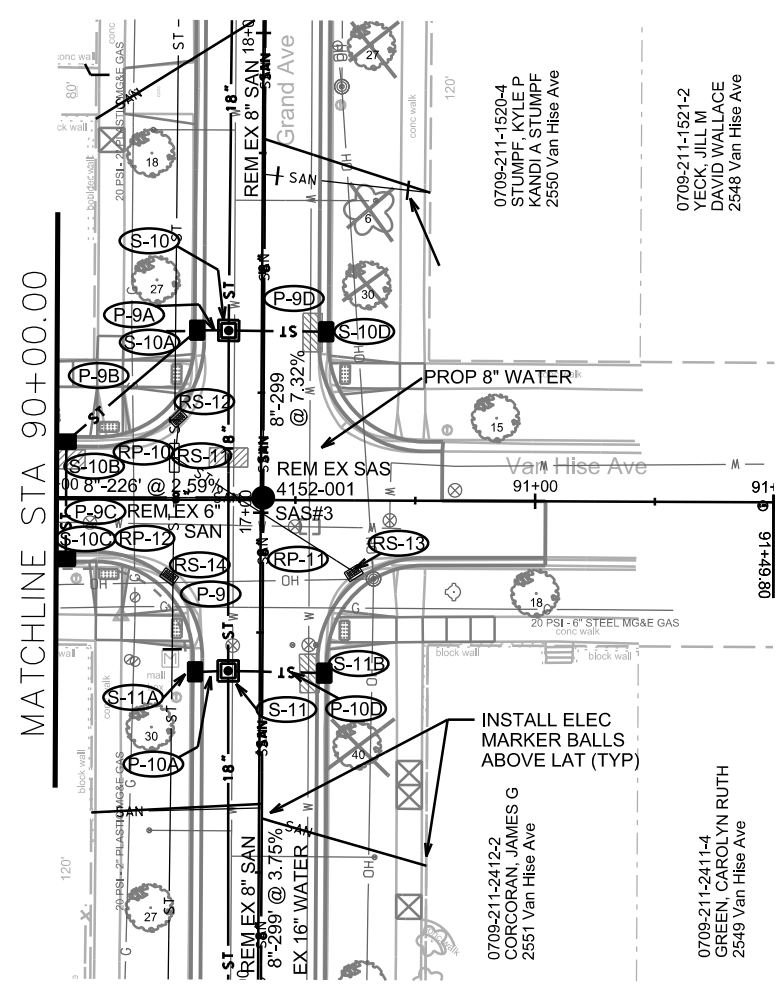
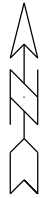
SAS#12
STA 87+66.71 RT 0.00'
RIM=923.78
EI=915.00(W)(8")

SAS#11
STA 88+17.21 0.00'
RIM=923.53
EI=915.00(E)(8")

PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

**REV 4/4/2017 DAO

GRAND AVE, MASON ST, PARK PL & VAN HISE AVE ASSM'T DIST-2017 PROJECT NO. 10898	SHEET NO. U-13
STORM SEWER SCHEDULE CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
GRAND AVE					
RS-1	IN 4151-025	26+34.48	LT-15.17	SADDLED INLET	(1)
RS-2	IN 4151-026	26+03.05	RT-13.50	TUB INLET	
RS-3	AS 4151-050	23+63.42	LT-5.42	4X4 MH	
RS-4	UNK CB	22+24.65	LT-16.95	CATCH BASIN	
RS-5	AS 4151-037	20+33.70	LT-16.48	CATCH BASIN	
RS-6	AS 4151-038	20+09.95	LT-16.91	CATCH BASIN	
RS-7	IN 4151-041	20+19.14	LT-19.76	TUB INLET	
RS-8	IN 4151-039	20+18.97	RT-16.51	TUB INLET	
RS-9	IN 4151-040	19+86.56	RT-22.49	TUB INLET	
RS-10	IN 4151-042	19+85.50	LT-23.21	TUB INLET	
RS-11	AS 4152-015	17+11.35	LT-18.08	CATCH BASIN	
RS-12	IN 4152-016	17+19.56	LT-17.39	TUB INLET	
RS-13	IN 4152-017	16+87.53	RT-19.50	TUB INLET	
RS-14	IN 4152-018	16+86.58	LT-19.04	TUB INLET	
RS-15	AS 4152-014	14+11.01	LT-19.82	CATCH BASIN	
RS-16	IN 4152-020	14+17.69	LT-19.11	TUB INLET	
RS-17	IN 4152-021	14+03.67	RT-13.49	TUB INLET	
RS-18	IN 4152-019	13+81.99	LT-17.10	TUB INLET	
PARK PL					
RS-19	AS 4152-022	43+84.77	RT-14.93	CATCH BASIN	
RS-20	IN 4152-027	43+84.46	RT-12.15	TUB INLET	
RS-21	IN 4152-026	43+83.16	LT-12.50	TUB INLET	
RS-22	IN 4152-003	40+50.49	LT-21.80	TUB INLET	
MASON ST					
RS-23	UNK INLET	61+20.45	RT-14.31	TUB INLET	
VAN HISE AVE					
RS-24	IN 4052-040	83+72.93	RT-14.50	TUB INLET	
RS-25	IN 4052-039	83+88.47	LT-31.02	TUB INLET	

STORM PIPE POINT REPAIR

FROM STATION	LOCATION (OFFSET)	TO STATION	LOCATION (OFFSET)	PLAN LGTH (FT)	PIPE SIZE (IN)	PIPE TYPE	NOTES
83+98.53	LT-7.95	84+06.06	LT-14.54	10.00	12	RCP	POINT REPAIR SEE NOTE (2)

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
GRAND AVE				
** ULO1	26+38.26	LT-15.02	STORM	LOCATE EDGE OF BOX CULVERT FOR PLACEMENT OF S-2 = 87 3" PVC = 893.96 3" PVC = 895.44 3" PVC = 916.88 6" PVC = 918.64 6" STEEL = 927.57 3" PVC = 927.74 3" PVC = 927.67
** ULO4	20+27.65	RT-28.55	GAS	
** ULO5	20+23.37	LT-27.78	GAS	
** ULO6	17+25.20	LT-27.40	GAS	
** ULO7	16+79.95	LT-6.30	GAS	
** ULO8A	14+26.64	LT-28.40	GAS	
** ULO8B	14+25.38	LT-27.22	GAS	
** ULO9	13+78.88	LT-28.17	GAS	
MASON ST				
ULO3	61+17.26	RT-12.64	GAS	
** ULO2	SEE U-14			

SPECIFIC NOTES

- (1) REPAIR OPENING IN BOX CULVERT, SEE BID ITEM 50101, SEWER ACCESS COVER NOT REQUIRED
(2) PAID AS 2 COLLARS & 12" RCP

STORM PIPE REMOVALS

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
GRAND AVE							
RP-1	IN 4151-026	AS 4151-022	33.0	12"	VP	N	
RP-2	IN 4151-024	AS 4151-022	31.0	12"	VP	N	
RP-3	AS 4151-050	AS 4151-054	12.5	30"	RCP	Y	
RP-4	AS 4151-049	AS 4151-050	20.5	24"	RCP	Y	
RP-5	AS 4151-038	AS 4151-037	24.0	12"	RCP	Y	
RP-6	IN 4151-041	AS 4151-038	9.5	12"	RCP	Y	
RP-7	IN 4151-039	AS 4151-038	34.5	12"	RCP	Y	
RP-8	IN 4151-040	AS 4151-038	45.5	12"	RCP	Y	
RP-9	IN 4151-042	AS 4151-038	27.0	12"	RCP	Y	
RP-10	IN 4152-016	AS 4152-015	8.0	12"	VP	Y	
RP-11	IN 4152-017	AS 4152-015	44.5	12"	VP	Y	
RP-12	IN 4152-018	AS 4152-015	25.5	12"	VP	Y	
RP-13A	AS 4152-014	14+34.81, LT-19.68	24	12"	VP	Y	
RP-13	IN 4152-020	AS 4152-014	7.5	12"	VP	Y	
RP-14	IN 4152-021	AS 4152-014	35.0	12"	VP	Y	
RP-15	N 4152-019	AS 4152-014	29.0	12"	VP	Y	
PARK PL							
RP-16	IN 4152-019	AS 4152-014	28.0	12"	VP	N	
RP-17	AS 4152-001	IN 4152-003	49.0	24"	VP	N	
MASON ST							
RP-23	61+08.48, RT 38.56'	61+08.31, RT 11.59'	27.0	24"	VP	N	
RP-24	61+08.31, RT 11.59'	61+08.63, LT 1.07'	13.0	24"	VP	N	EX MH NOT IN RECORDS
RP-25	61+20.45, RT 14.31'	61+08.31, RT 11.59'	13.0	12"	VP	Y	EX TUB INLET NOT IN RECORDS
VAN HISE AVE							
RP-26	IN 4051-013	83+80.76, RT 7.44'	16.0	12"	RCP	Y	

STORM PIPE ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	NOTES
GRAND AVE						
ABN-1A	22+24.65, LT-16.95	IN 4151-056	38	24"	VP	ABANDON W/ SLURRY
ABN-1	AS 4151-037	22+24.65, LT-16.95	191	24"	VP	ABANDON W/ SLURRY
ABN-2	17+37.73, LT-17.98	19+70.46, LT-17.07	233	12"	VP	ABANDON W/ SLURRY
ABN-3	14+34.81, LT-19.68	16+72.10, LT-18.31	237	12"	VP	ABANDON W/ SLURRY

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF. (FT)	NOTES
AS-1	27+78.44	LT-9.03	876.25	876.25	0	IN 4151-029
AS-2	27+24.38	LT-21.72	875.75	876.09	0.34	IN 4151-027
AS-3	27+12.40	RT-17.34	876.49	876.29	-0.2	IN 4151-028
AS-4	26+10.31	LT-18.94	880.42	880.49	0.07	AS 4151-022
AS-5	26+13.01	LT-37.89	880.06	880.15	0.09	IN 4151-023
AS-6	25+87.92	LT-40.31	880.14	880.13	-0.01	IN 4151-024
AS-6A	23+63.38	LT-17.87	883.62	883.64	0.02	AS 4151-054
AS-6B	23+43.04	LT-5.13	883.31	883.21	-0.10	AS 4151-049
AS-7	22+62.16	LT-4.41	883.22	883.63	0.41	AS 4151-055
AS-8	61+08.31	RT-11.59	928.81	929.06	0.25	EX MH NOT IN RECORDS
AS-9	40+55.61	RT-25.19	942.00	942.00	0.00	AS 4152-001

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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)267-1123, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

SANITARY SEWER SCHEDULE

**REV 4/4/2017 DAO

GRAND AVE, MASON ST, PARK PL & VAN HISE AVE ASSM'T DIST-2017 PROJECT NO. 10898	SHEET NO. U-14
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
GRAND AVE						
SAS#1	26+00.56	RT-0.02	880.09	871.33	8.76	-
SAS#1A	22+31.72	RT-0.02	887.58	876.09	11.49	-
SAS#2	20+01.82	RT-0.19	898.33	887.48	10.85	-
SAS#3	17+03.12	RT-0.49	920.55	909.15	11.40	-
SAS#4	14+03.97	RT-0.92	930.39	920.32	10.07	-
SAS#5	11+99.59	RT-0.30	935.75	926.73	9.02	-
PARK PLACE						
SAS#6	40+25.26	CL	941.27	926.08	15.19	-
SAS#7	42+21.46	CL	943.17	928.51	14.66	-
SAS#8	46+03.93	RT-0.01	940.93	930.50	10.43	OUTSIDE DROP
MASON ST						
SAS#9	64+69.26	LT-0.04	932.88	923.69	9.19	-
SAS#10	64+01.70	CL	932.47	923.47	9.00	-
VAN HISE AVE						
SAS#11	65+02.47	LT-299.94	923.53	915.00	8.53	-
SAS#12	64+51.97	LT-299.95	923.78	915.00	8.78	-
SAS#13	62+58.20	LT-300.49	921.39	913.95	7.44	-
SAS#14A	60+88.85	LT-298.87	914.16	904.50	9.66	-
SAS#14	0+00.00	CL	923.82	913.09	10.73	-
CHAMBERLAIN AVE						
** SAS#15	20+01.81	LT-52.91	898.03	887.96	10.07	-
STEVENS ST						
SAS#16	26+00.38	LT-40.40	880.25	871.61	8.64	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE (IN)	PVC TYPE	NOTES
GRAND AVE								
MSD MH02-037	SAS#1	866.45	871.33	183.5	2.73	10	SDR-35	-
** SAS#1	23+64.01, RT0.13'	873.65	875.56	236.0	0.70	8	SDR-35	(1)
SAS 4151-026	SAS#1A	875.83	876.09	68.0	0.40	8	SDR-35	-
SAS#1A	SAS#2	876.19	887.48	230.0	5.00	8	SDR-35	-
SAS#2	SAS#3	887.58	909.15	299.0	7.32	8	SDR-35	-
SAS#3	SAS#4	909.25	920.32	299.0	3.75	8	SDR-26	-
SAS#4	SAS#5	920.42	926.73	204.5	3.15	8	SDR-35	-
STEVENS ST								
SAS#1	SAS#16	871.43	871.61	40.5	0.50	8	SDR-35	-
CHAMBERLAIN AVE								
** SAS#2	SAS#15	887.58	887.96	53.0	0.77	8	SDR-35	-
VAN HISE AVE								
SAS#3	SAS#11	909.25	915.00	226.0	2.59	8	SDR-35	-
SAS 4152-016	SAS#13	902.58	913.95	154.5	7.55	8	SDR-35	-
SAS#13	SAS#12	914.05	915.00	194.0	0.50	8	SDR-35	-
SAS 4152-016	SAS#14A	904.20	904.50	15.0	2.74	8	SDR-35	-
SAS#14A	SAS#14	904.60	913.09	394.5	2.17	8	SDR-35	-
MASON ST								
SAS#4	SAS#9	920.42	923.69	259.0	1.28	8	SDR-35	-
SAS 4052-002	SAS#10	918.50	923.47	315.0	1.60	8	SDR-35	-
PARK PL								
SAS#6	SAS#7	926.14	928.51	196.0	1.23	8	SDR-26	-
SAS#7	SAS#8	928.61	930.50	382.5	0.50	8	SDR-26	-
40+24.91, LT 28.50'	SAS#8	925.23	926.08	28.5	3.23	8	SDR-26	(1)

SANITARY SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
** ULO2	23+64.01	RT-0.13	SAN	TOP OF PIPE = 876.27

SPECIFIC NOTES

(1) CONNECT TO EX 8" SAN PVC, INSTALL COMPRESSION COUPLING IF NECESSARY

SANITARY SEWER SCHEDULE

GRAND AVE, MASON ST, PARK PL & VAN HISE AVE ASSMT DIST-2017 PROJECT NO. 10898	SHEET NO. U-15
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
GRAND AVE						
4151-020	27+53.31	RT-0.17	875.48	867.28	8.20	-
4151-001	26+00.61	RT-0.07	881.26	873.56	7.70	-
4151-024	21+35.77	LT-0.38	890.24	883.59	6.65	-
4151-007	20+01.82	RT-0.19	898.51	889.71	8.80	-
4152-001	17+03.12	RT-0.49	920.65	910.85	9.80	-
4152-007	14+03.97	RT-0.92	930.52	921.82	8.70	-
4152-008	11+26.69	LT-0.07	940.41	930.91	9.50	-
PARK PLACE						
4152-009	44+37.45	LT-24.21	939.96	931.81	8.15	-
4152-010	42+48.94	LT-24.11	943.04	932.34	10.70	-
4152-011	42+07.26	LT-24.81	943.42	934.87	8.55	-
4052-003	40+40.91	LT-25.46	940.12	926.62	13.50	-
4052-025	40+24.92	LT-26.50	940.03	925.23	14.80	-
MASON ST						
4152-006	64+72.02	RT-0.03	932.98	924.98	8.00	-
4152-005	63+97.53	LT-0.87	932.48	925.28	7.20	-
VAN HISE AVE						
4152-002	88+27.69	RT-0.14	923.62	917.82	5.80	-
4152-003	87+53.25	RT-0.46	923.97	917.87	6.10	-
4152-004	85+78.72	RT-0.60	921.78	916.08	5.70	-
4052-001	84+03.59	RT-0.97	914.37	905.57	8.80	-
4052-005	80+59.24	RT-0.36	921.71	913.31	8.40	-
4052-006	80+09.19	RT-0.53	923.82	914.52	9.30	-

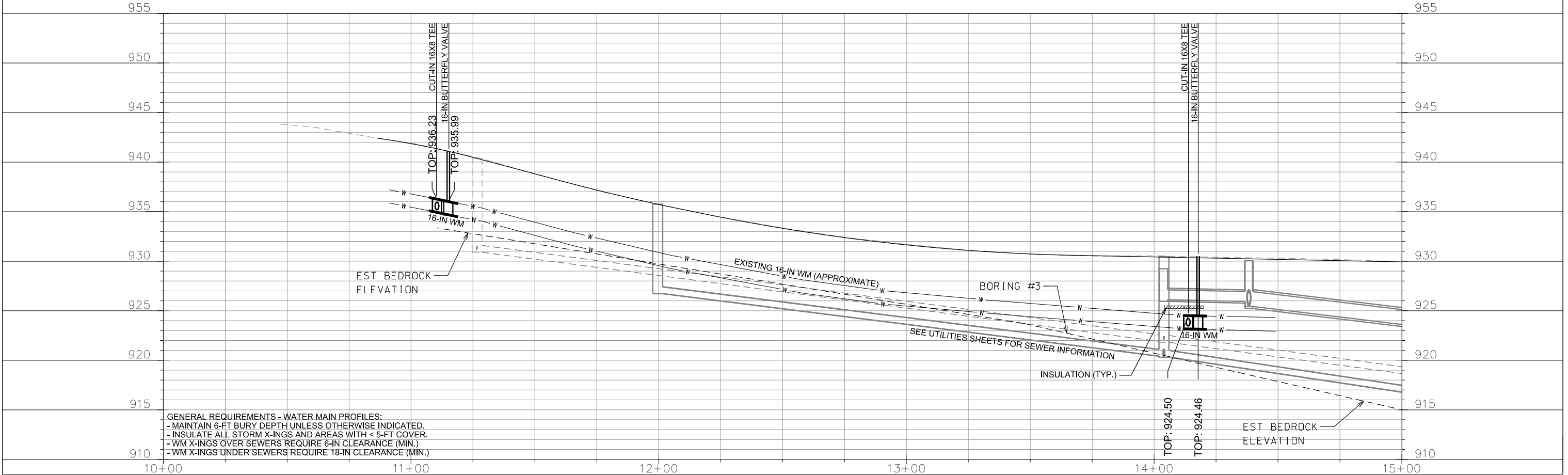
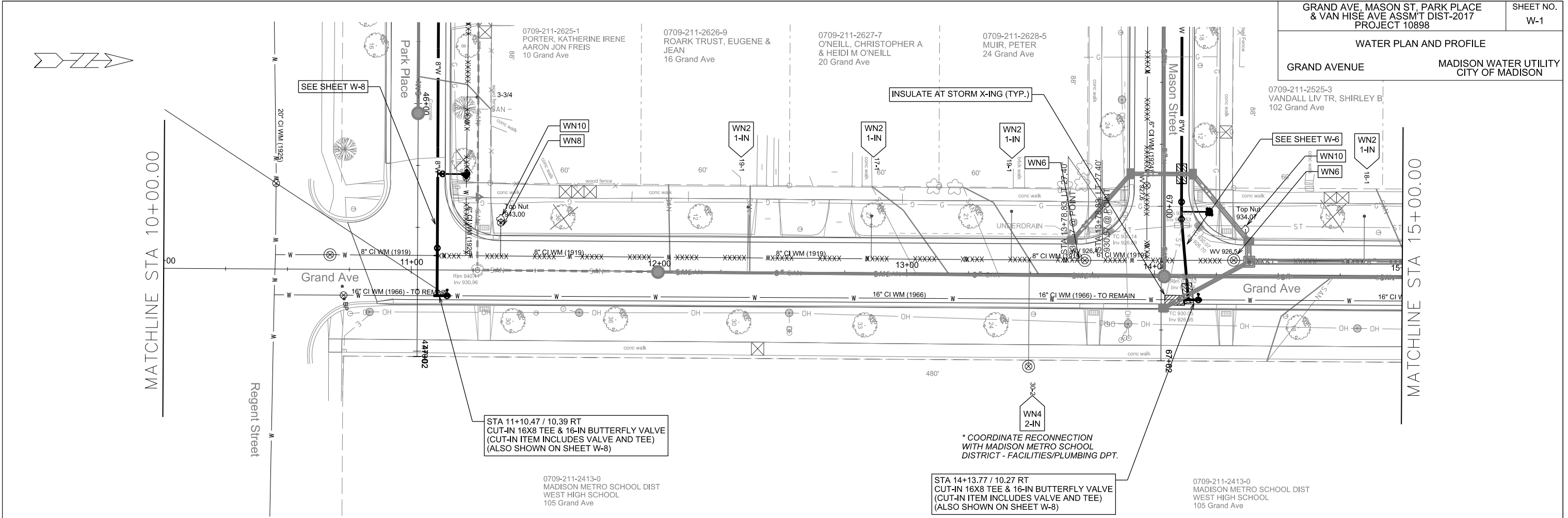
SANITARY SEWER REMOVALS

FROM (DNSTM)	TO (UPSTM)	PLAN (PAY) LGTH (FT)	PAY (Y/N)	PIPE SIZE	PVC TYPE	NOTES
GRAND AVE						
MSD MH02-037	4151-020	30.8	N	10	VP	-
4151-020	4151-001	152.7	N	10	VP	-
4151-001	23+64.74, RT0.40'	235.8	N	8	VP	-
4151-026	4151-024	163.9	N	8	VP	-
4151-024	4151-007	133.9	N	8	VP	-
4151-007	4152-001	298.7	N	8	VP	-
4152-001	4152-007	299.2	N	8	VP	-
4152-007	4152-008	277.3	Y/N	8	VP	PAY FOR 74' OF REMOVAL
STEVENS ST						
26+00.56, RT 0.02'	26+00.38, LT 40.40'	40.4	N	8"	VP	-
CHAMBERLAIN AVE						
20+01.82, RT 0.19'	20+02.02, LT 34.91'	35.1	N	8"	VP	-
VAN HISE AVE						
4152-001	4152-002	215.6	N	6	VP	-
4152-016	4152-004	160.3	N	6	VP	-
4152-004	4152-003	174.5	N	6	VP	-
4152-016	4052-001	15.0	N	6	VP	-
4052-001	4052-005	344.4	N	6	VP	-
4052-005	4052-006	50.0	N	6	VP	-
MASON ST						
4152-007	4152-006	256.4	N	6	VP	-
4052-002	4152-005	310.8	N	6	VP	-
PARK PL						
4052-025	4052-003	16.0	N	6	PVC	-
FARLEY AVE						
4052-025	40+25.26, CL	28.5	N	8	PVC	-

SANITARY SEWER ABANDONMENTS

FROM (DNSTM)	TO (UPSTM)	PLAN (PAY) LGTH (FT)	PIPE SIZE	PVC TYPE	NOTES
PARK PL					
4152-008	4152-009	203	6	VP	ABANDON W/ PIPE PLUGS
4152-009	4152-010	188.5	6	VP	ABANDON W/ PIPE PLUGS
4052-003	4152-011	166.5	6	VP	ABANDON W/ PIPE PLUGS

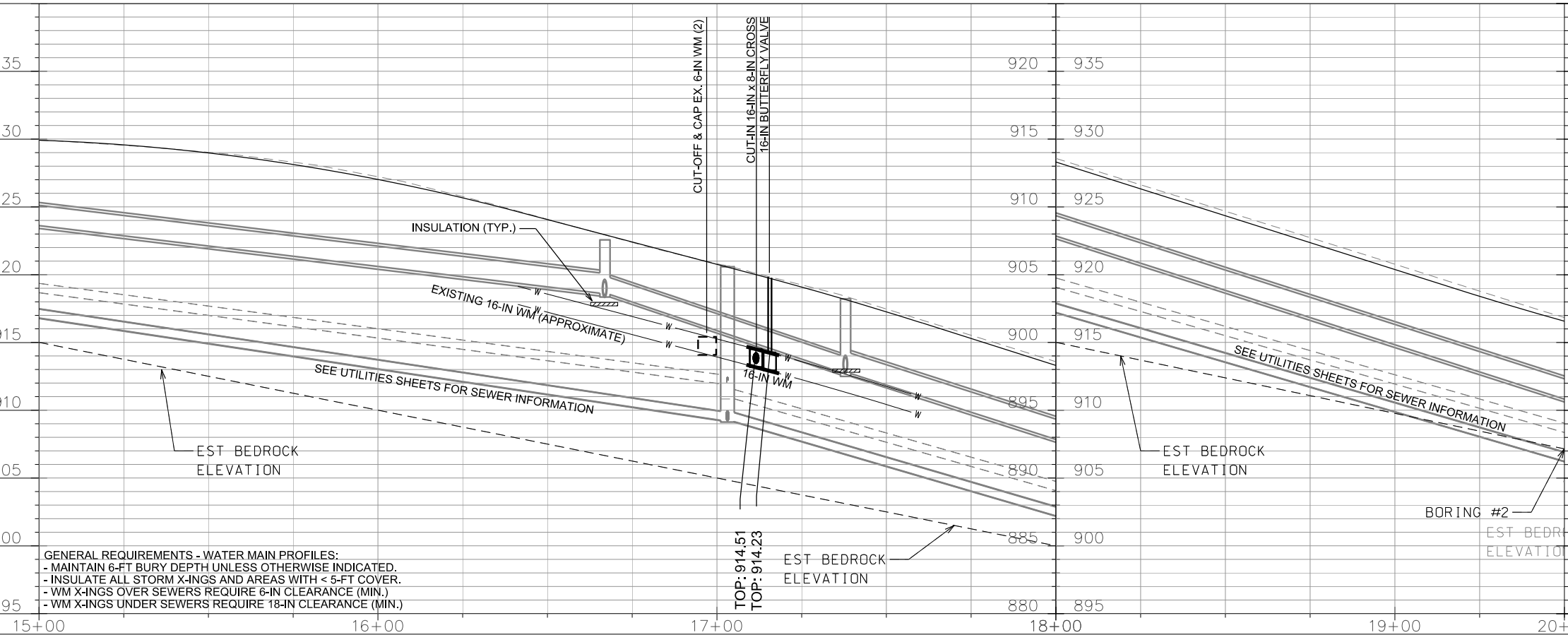
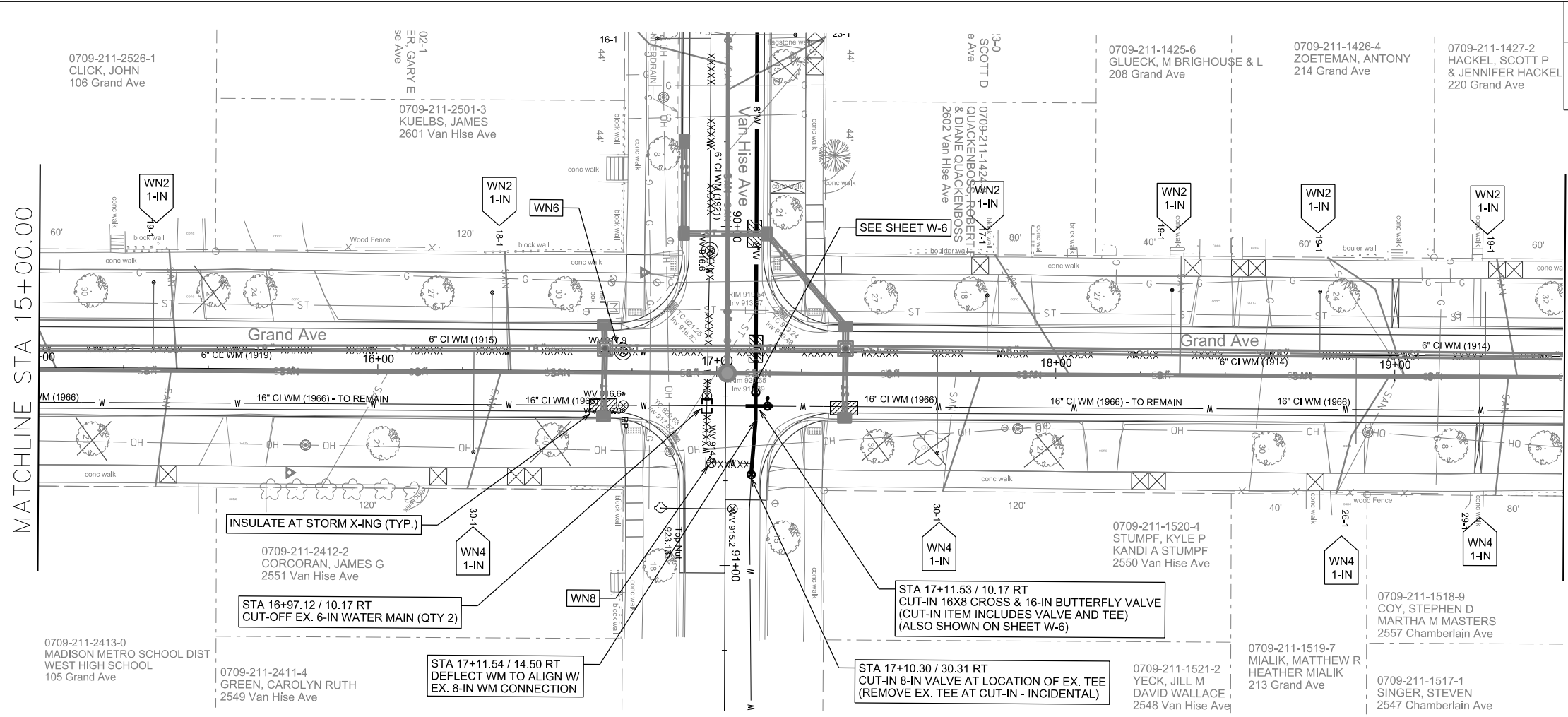
SPECIFIC NOTES



PLOT SCALE: _____

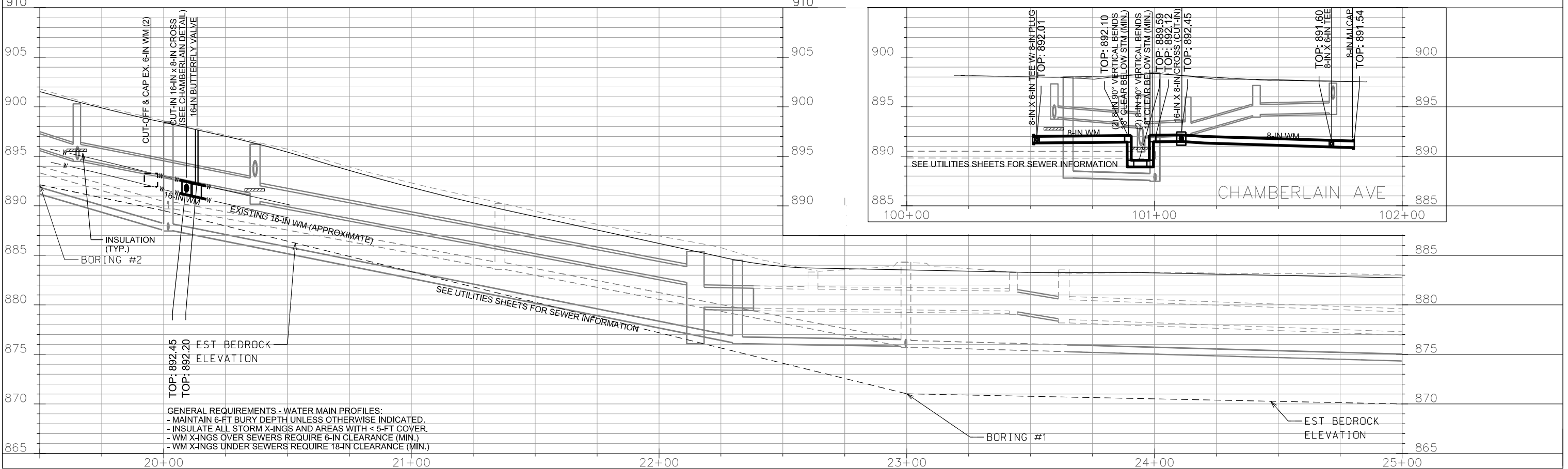
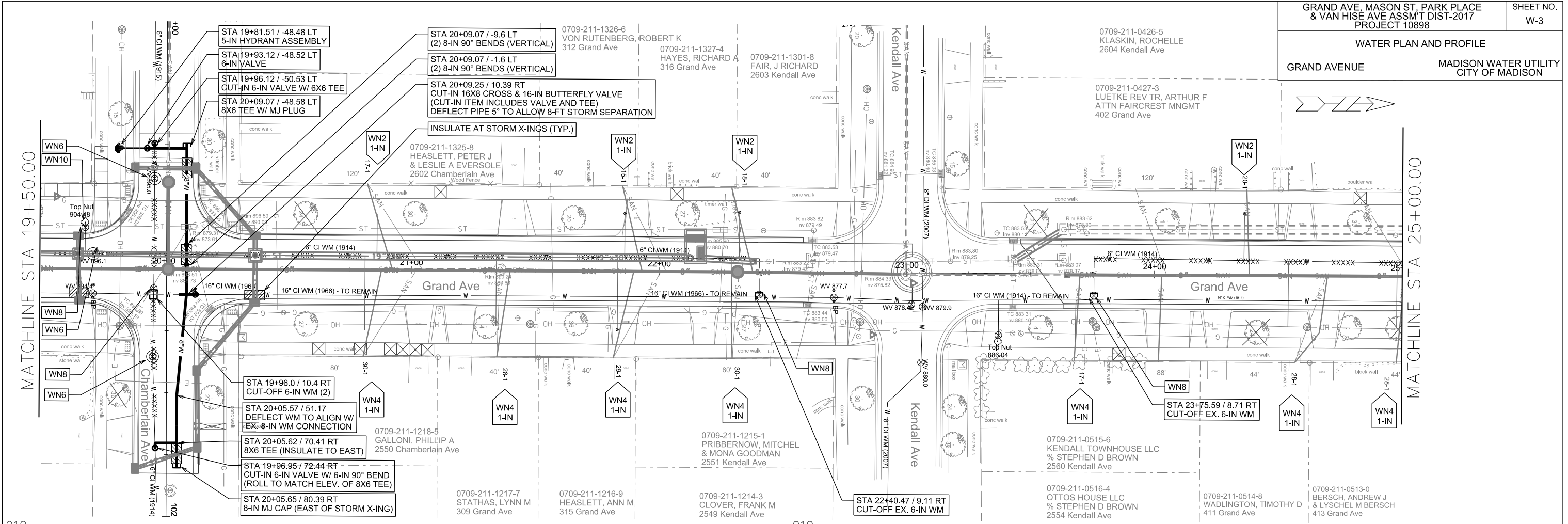
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

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



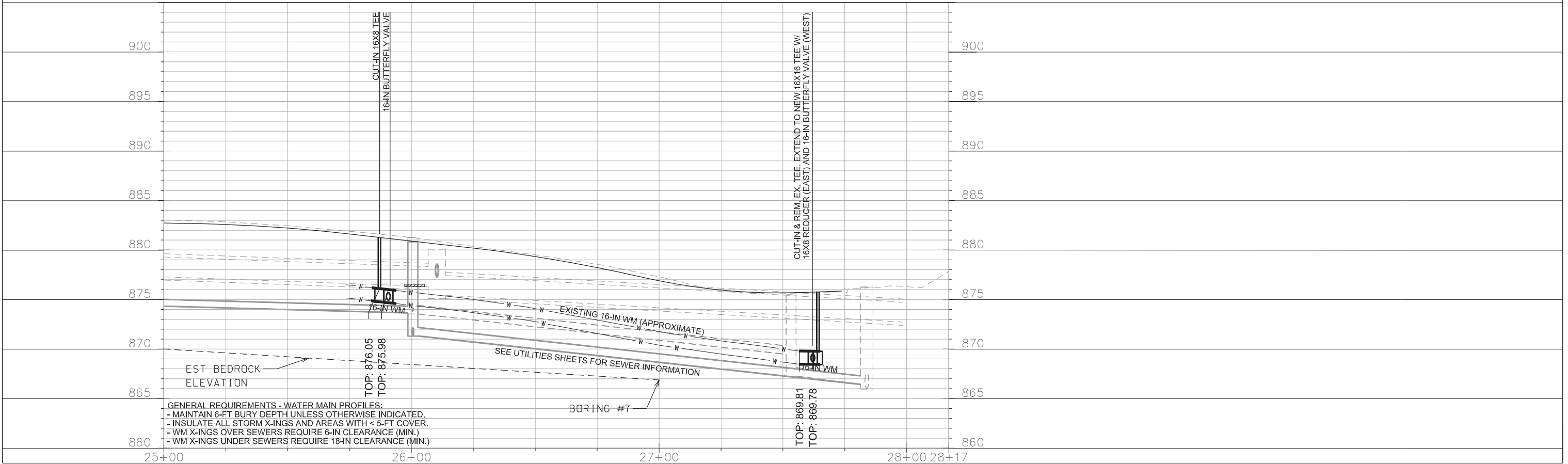
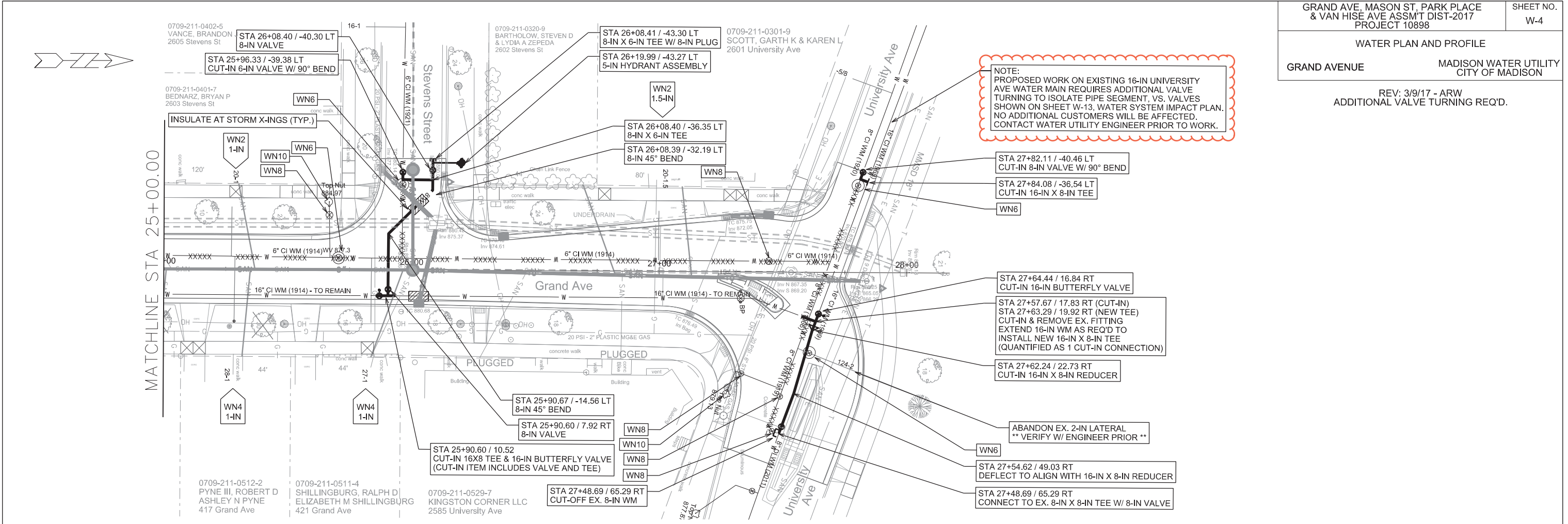
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REV. DATE: _____

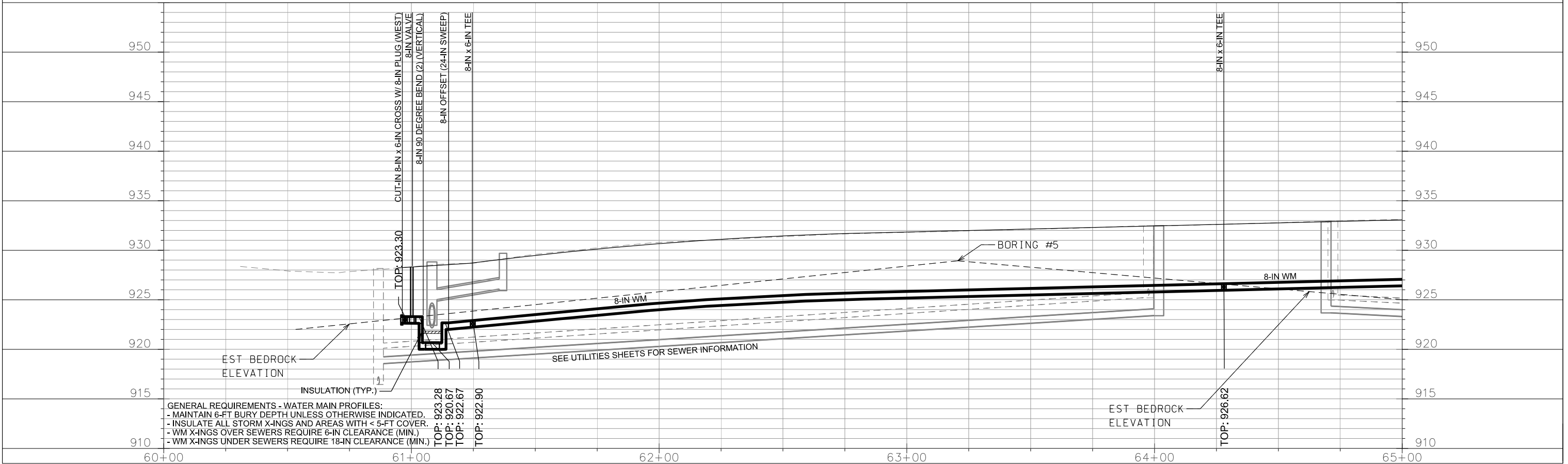
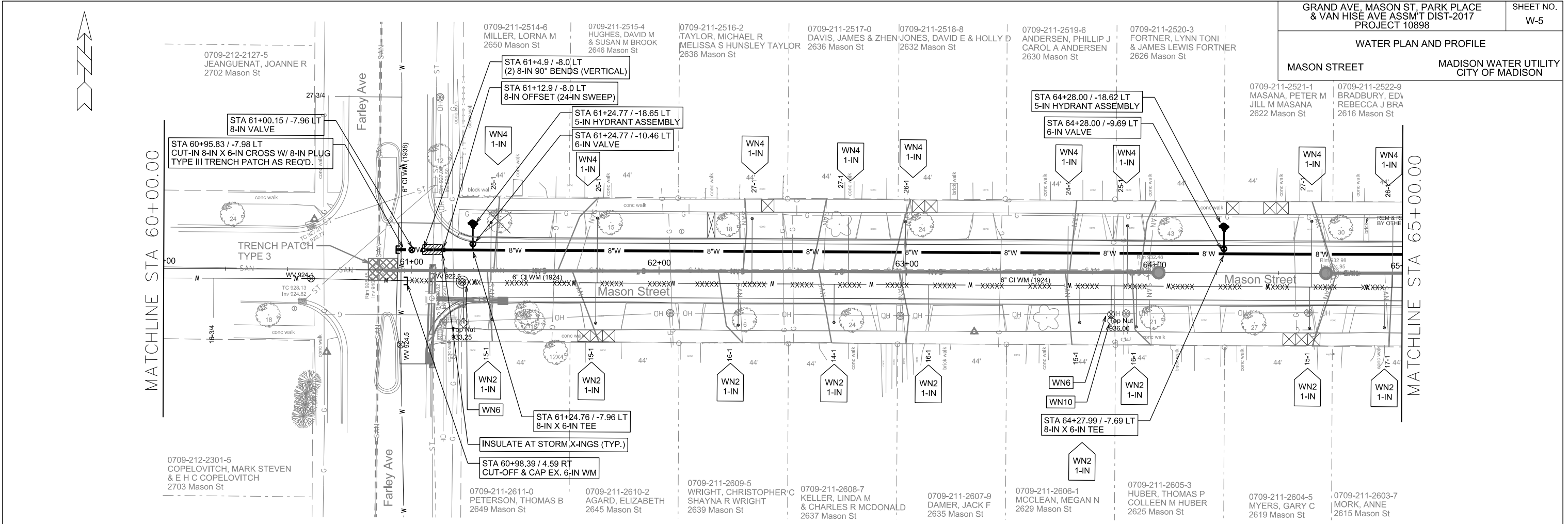
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV: 3/9/17 - ARW
ADDITIONAL VALVE TURNING REQ'D.

NOTE:
PROPOSED WORK ON EXISTING 16-IN UNIVERSITY AVE WATER MAIN REQUIRES ADDITIONAL VALVE TURNING TO ISOLATE PIPE SEGMENT. VS. VALVES SHOWN ON SHEET W-13, WATER SYSTEM IMPACT PLAN. NO ADDITIONAL CUSTOMERS WILL BE AFFECTED. CONTACT WATER UTILITY ENGINEER PRIOR TO WORK.



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



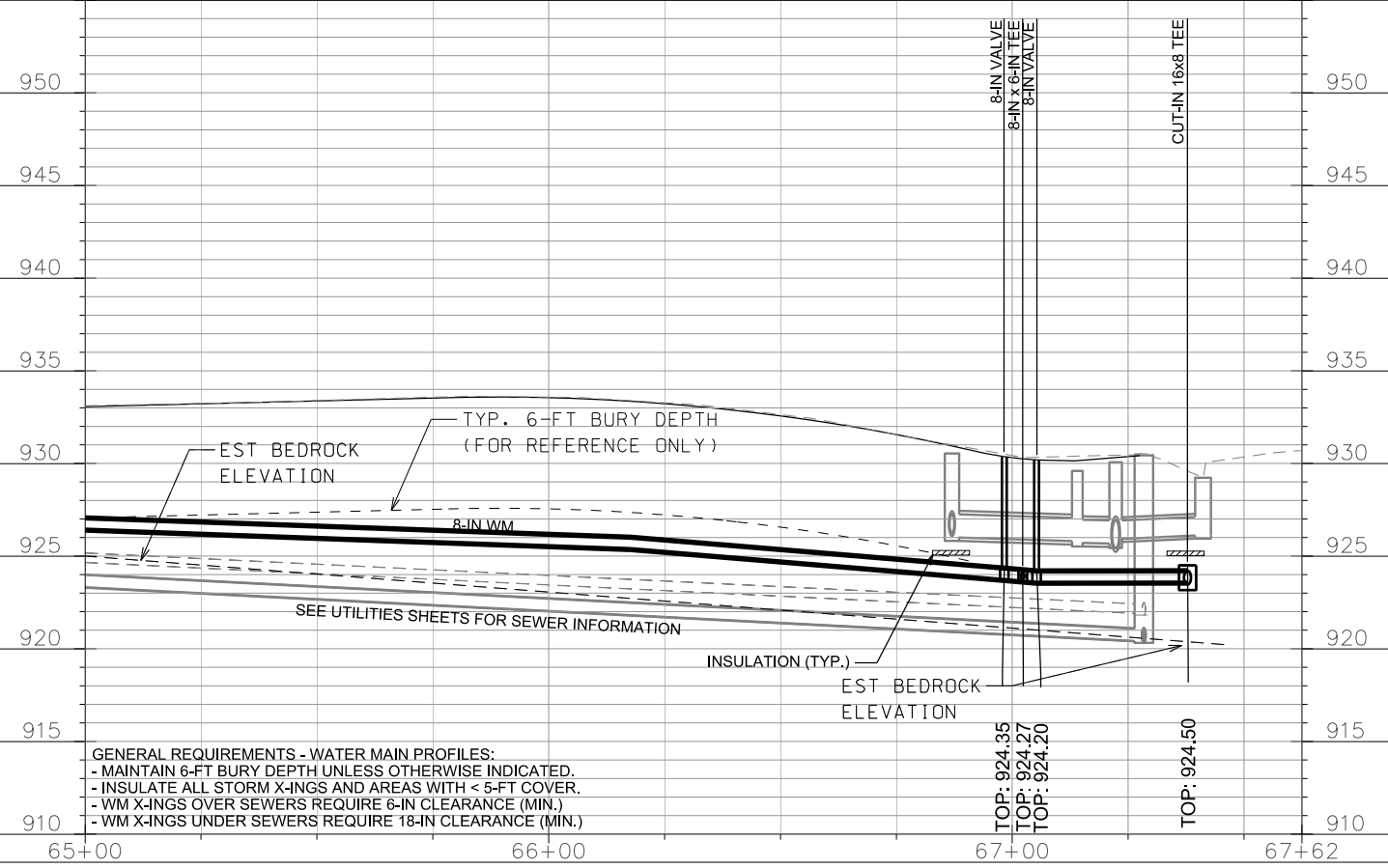
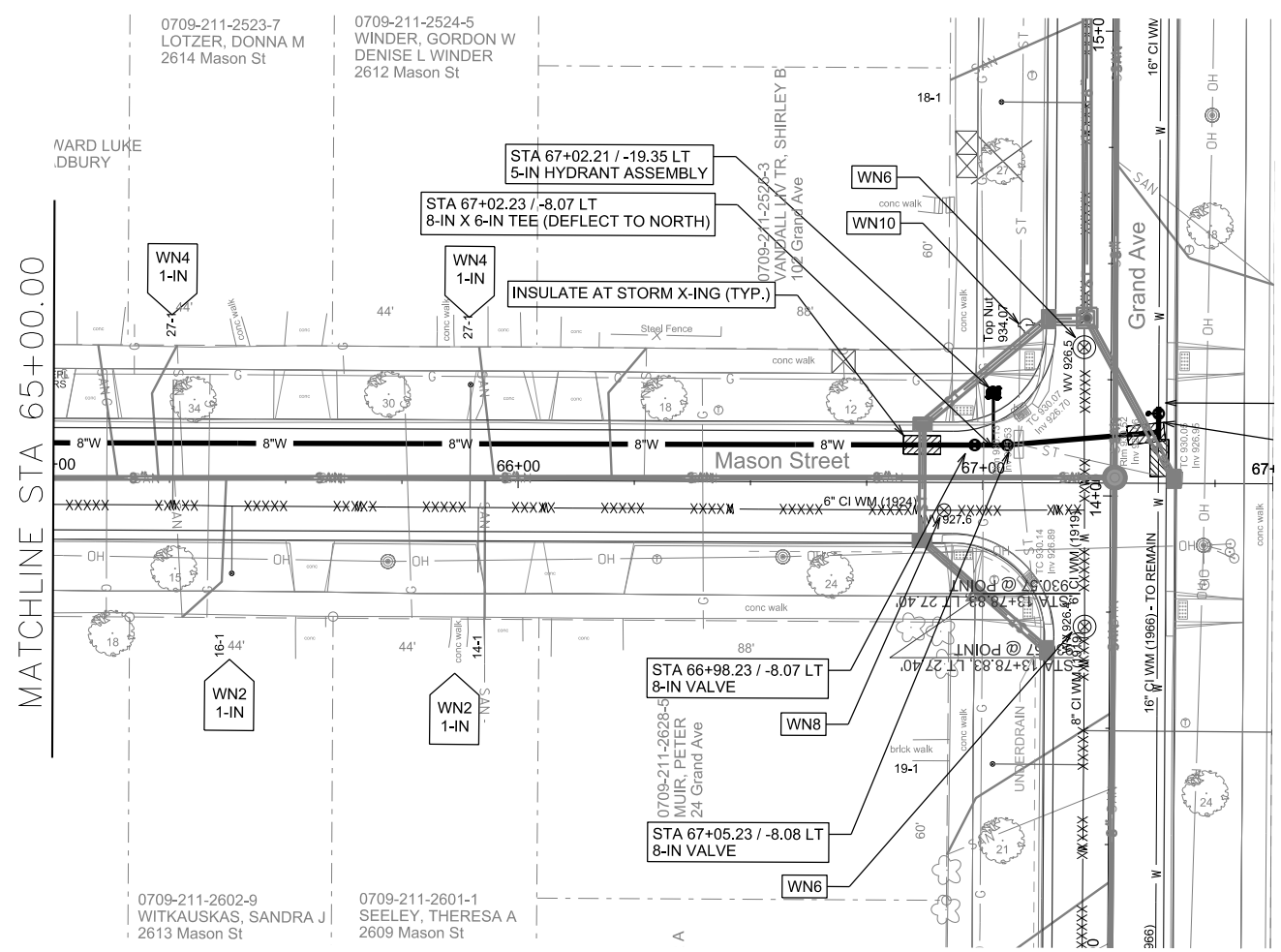
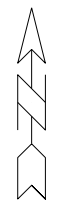
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
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PLOT NAME: _____

PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



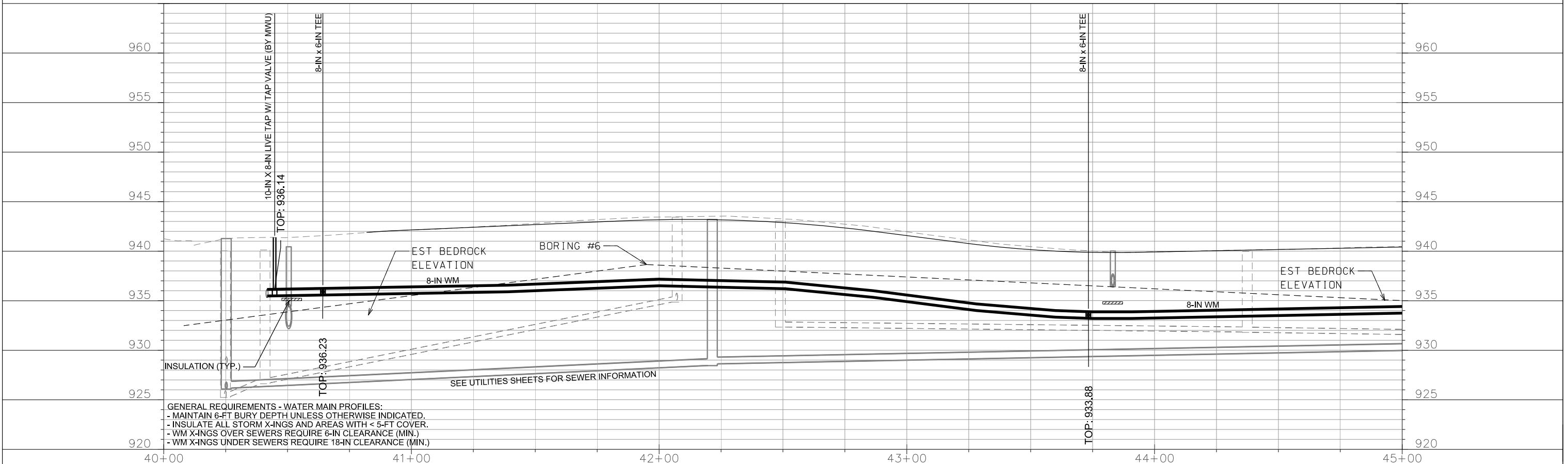
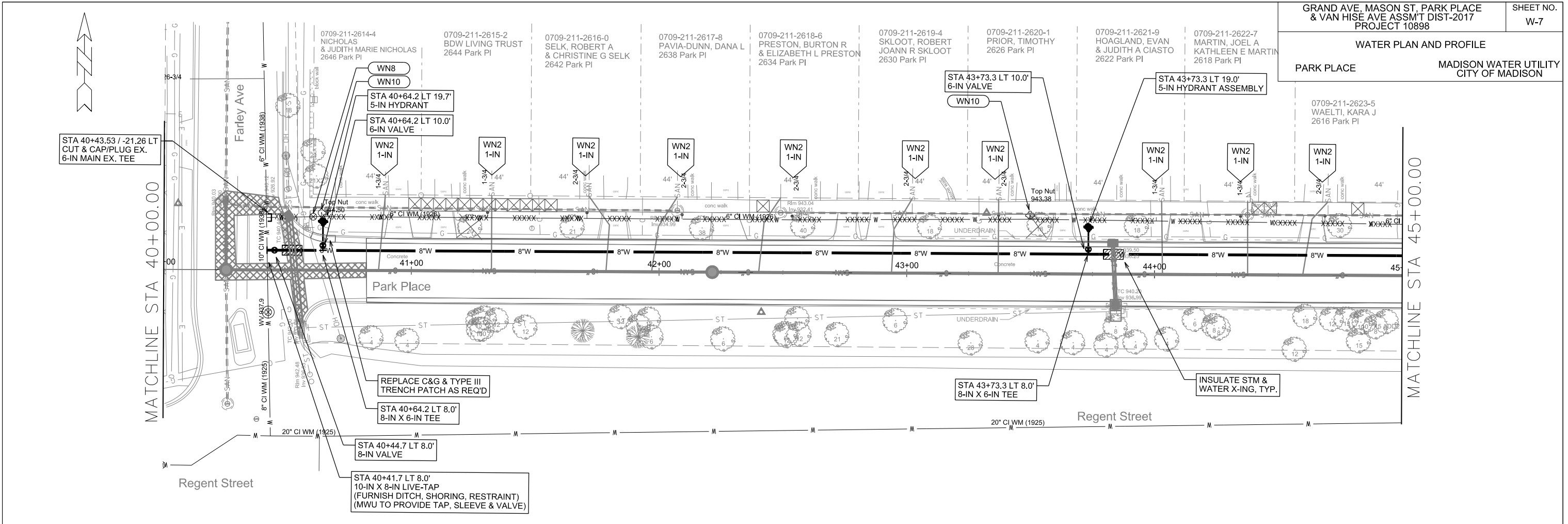
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PLOT SCALE: _____

PLOT NAME: _____

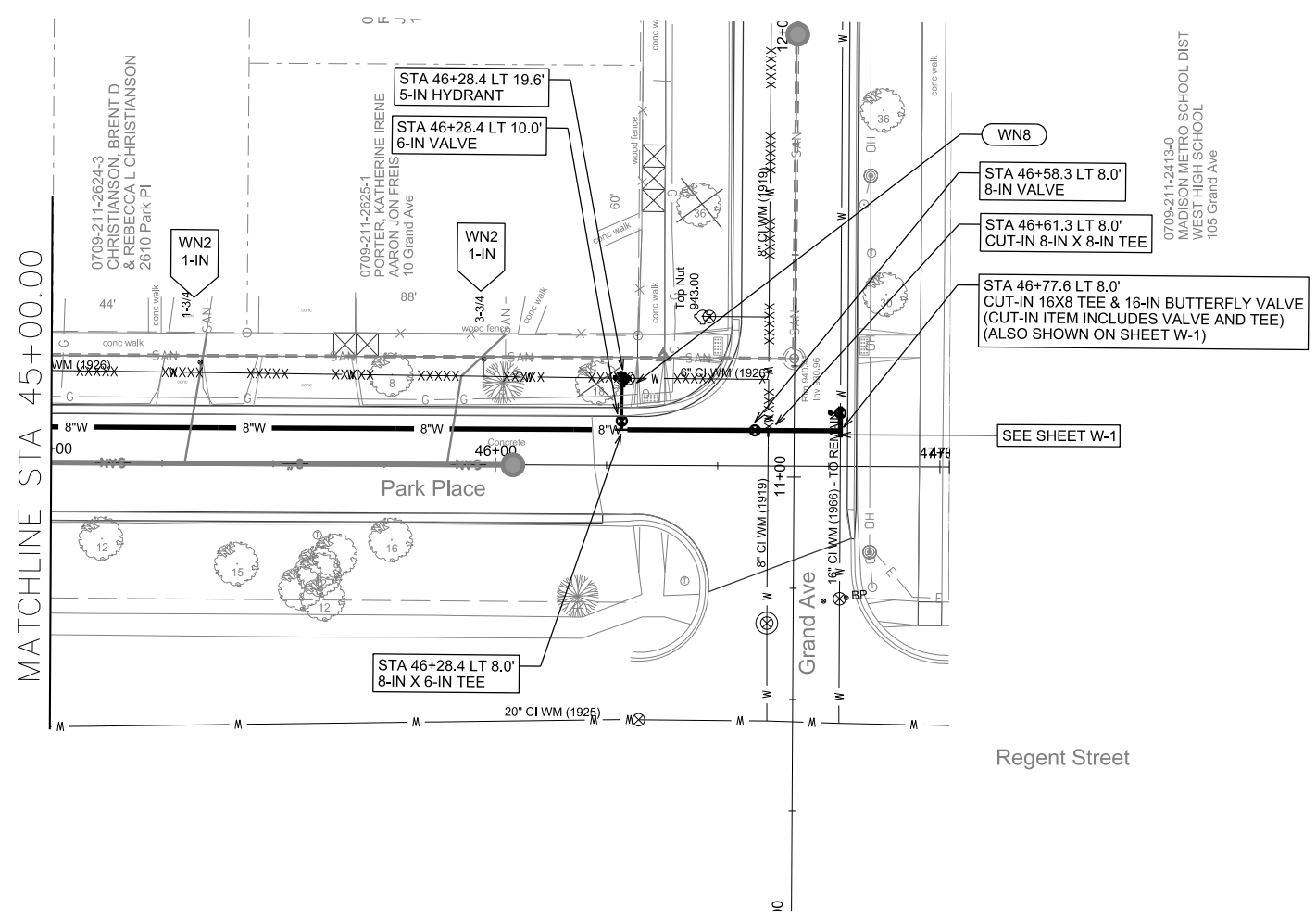
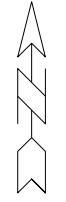
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

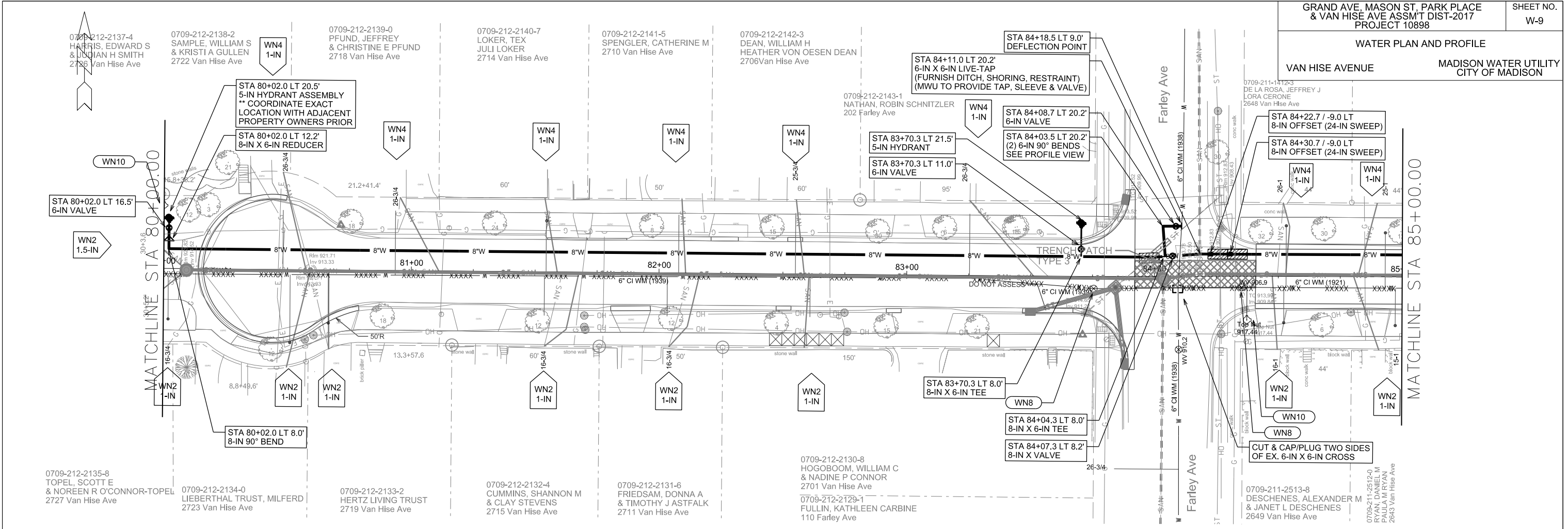


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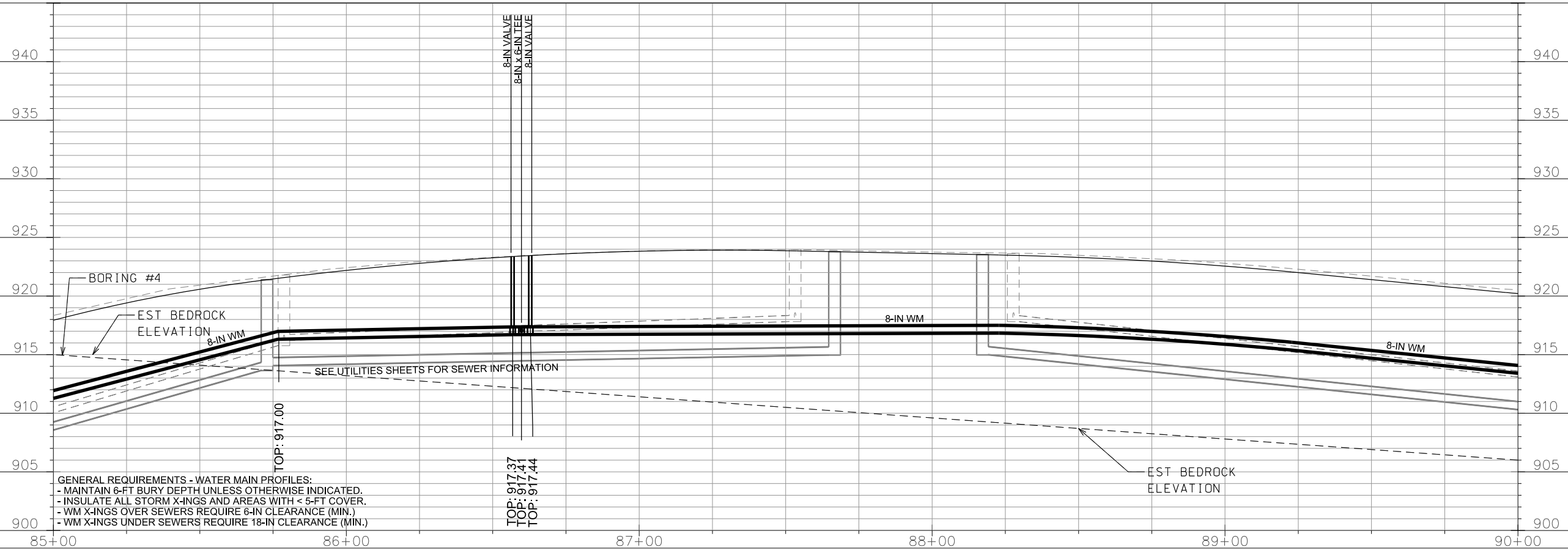
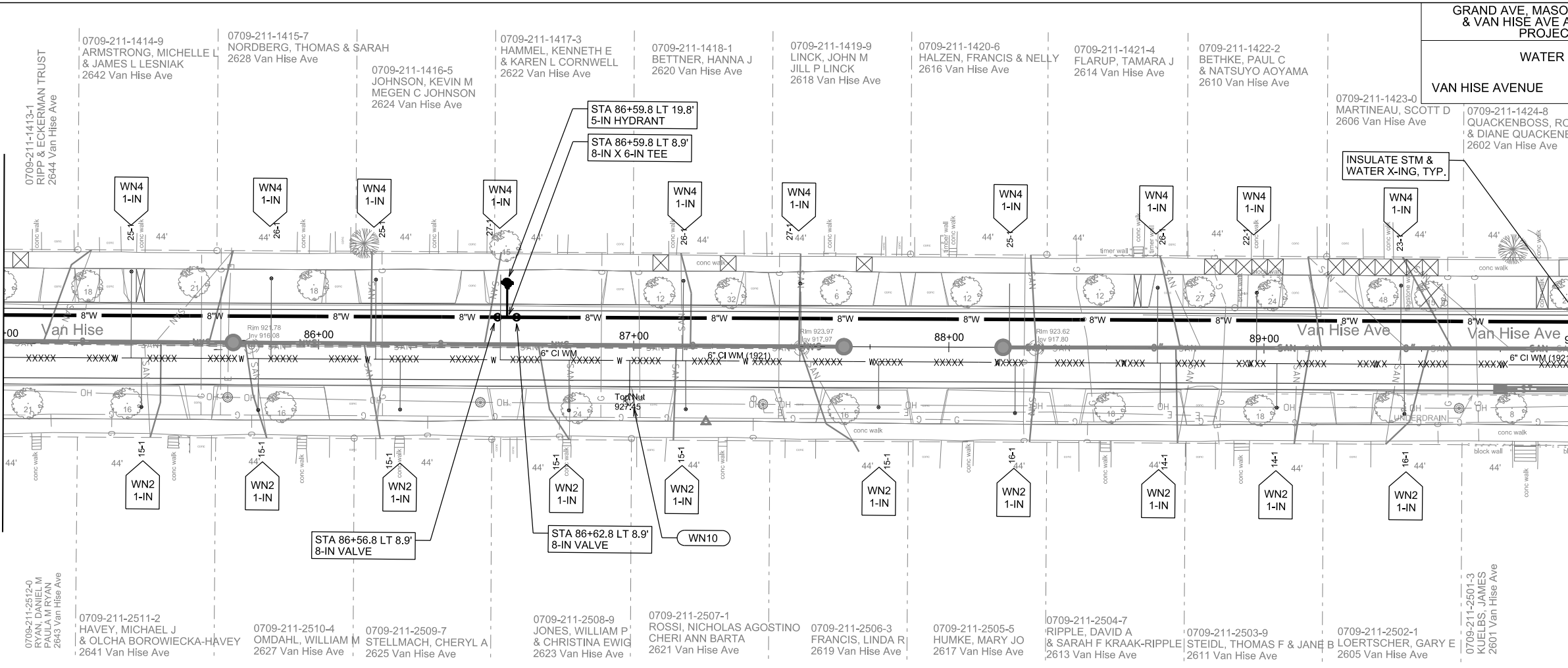


WATER PLAN AND PROFILE
VAN HISE AVENUE
MADISON WATER UTILITY CITY OF MADISON



MATCHLINE STA 85+00.00

MATCHLINE STA 90+00.00



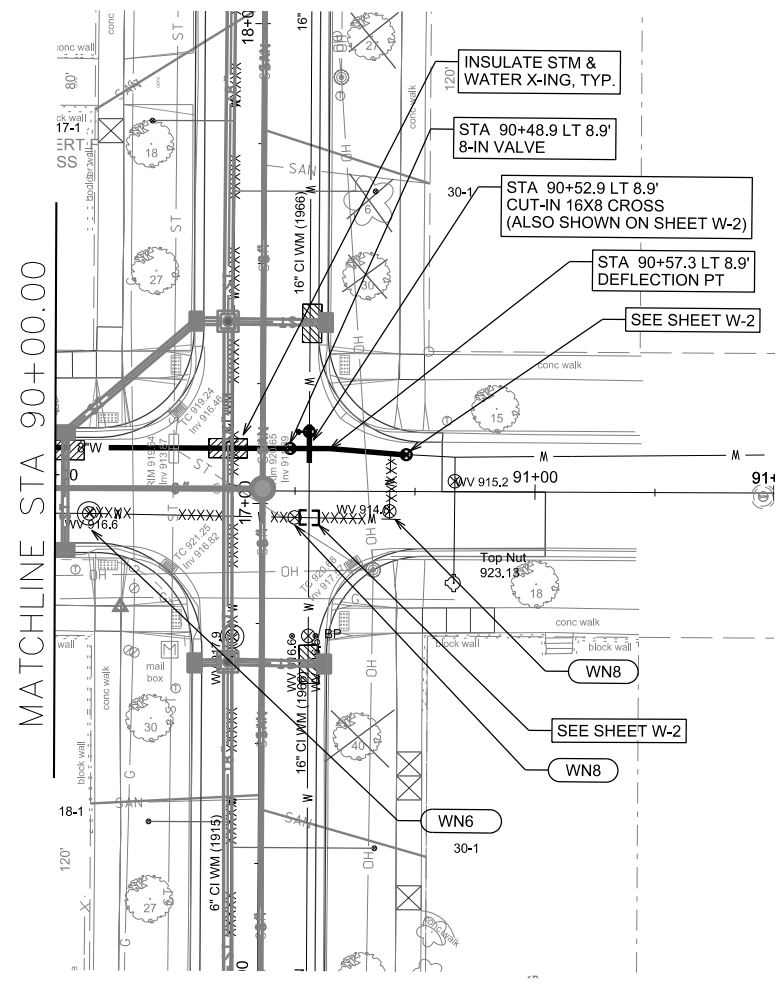
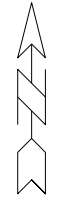
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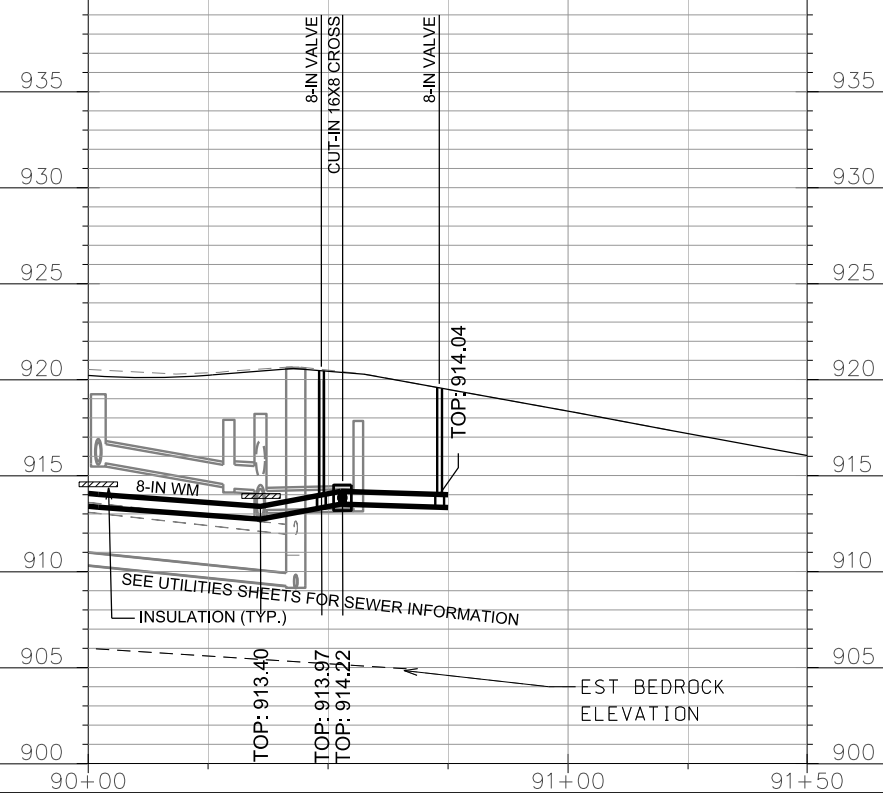
PLOT NAME: _____

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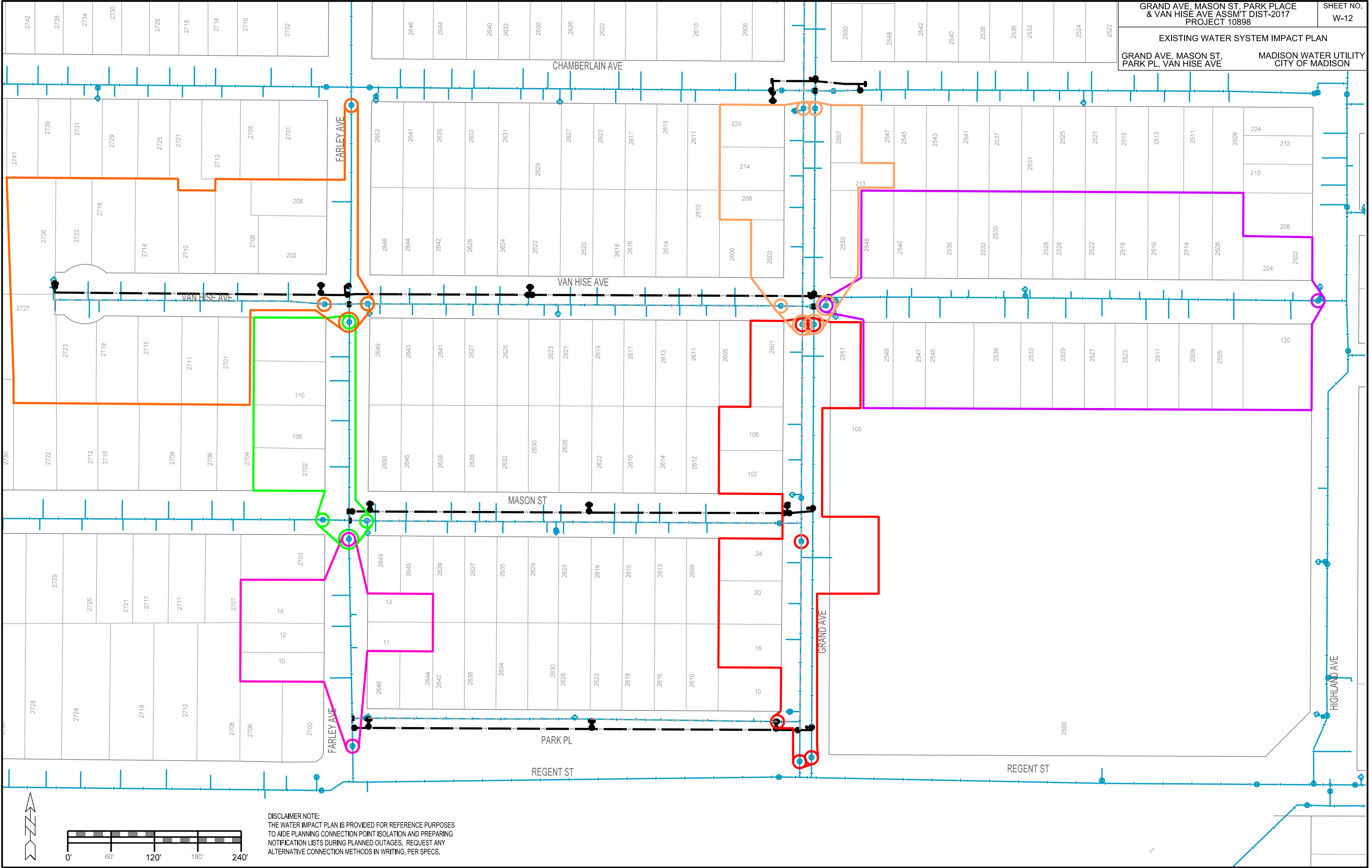


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



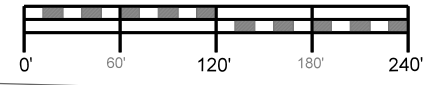
DISCLAIMER NOTE:
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

PLOT SCALE: _____

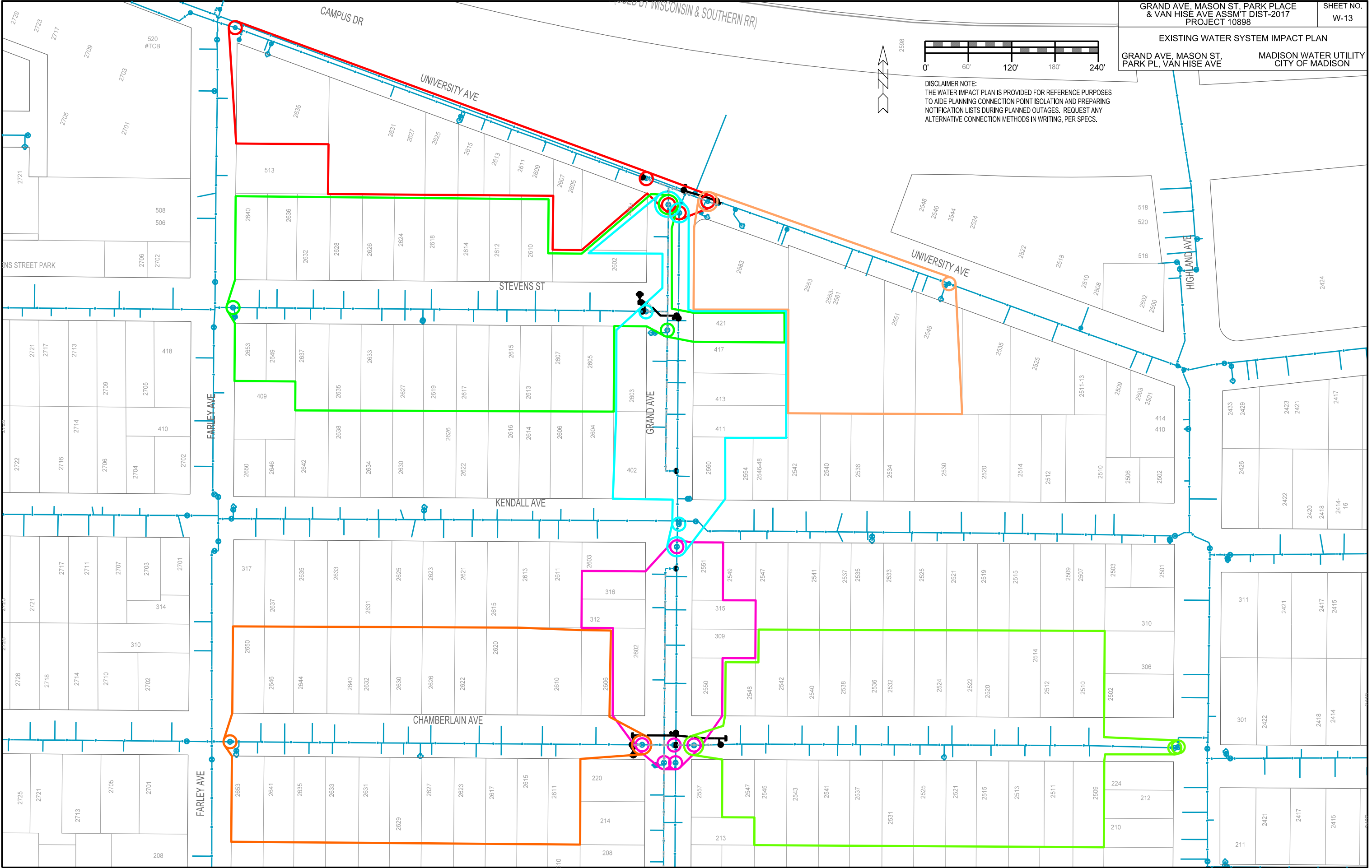
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

CONSTRUCTION NOTES:

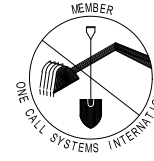
1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

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.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE

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.



ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- 185-FT 6-IN PIPE (SEE SPECIAL PROVISIONS FOR MATERIAL REQUIREMENT)
- 2,620-FT 8-IN PIPE (SEE SPECIAL PROVISIONS FOR MATERIAL REQUIREMENT)
- 55-FT 16-IN PIPE (SEE SPECIAL PROVISIONS FOR MATERIAL REQUIREMENT)
- 3,150-FT POLYWRAP (SEE SPECIAL PROVISIONS FOR MATERIAL REQUIREMENT)

- 11 6-IN VALVE & BOX
- 12 8-IN VALVE & BOX
- 6 16-IN BUTTERFLY VALVE & BOX

- 4 6-IN 90 DEGREE BEND
- 8 6-IN CAP
- 1 6-IN X 6-IN TEE

- 2 8-IN 45 DEGREE BEND
- 8 8-IN 90 DEGREE BEND
- 3 8-IN OFFSET W/ 24-IN SWEEP
- 3 8-IN PLUG
- 4 8-IN CAP
- 1 8-IN X 6-IN REDUCER
- 13 8-IN X 6-IN TEE
- 1 8-IN X 6-IN CROSS

- 1 16-IN X 16-IN TEE
- 2 16-IN X 8-IN CROSS
- 4 16-IN X 8-IN TEE
- 1 16-IN X 8-IN REDUCER

- 11 5-IN HYDRANT

2-IN STYROFOAM INSULATION (EST. 22 SHEETS)
COPPER SERVICE TUBING/COUPLINGS (AS REQUIRED)
HYDRANT OR VALVE BOX RISERS/EXTENSIONS (AS REQUIRED)

ESTIMATE OF MATERIALS SUPPLIED BY CITY:

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

- 1 6-IN X 6-IN TAPPING SLEEVE
- 1 6-IN TAPPING VALVE

- 1 10-IN X 8-IN TAPPING SLEEVE
- 1 8-IN TAPPING VALVE

ESTIMATE OF MATERIALS SALVAGED:

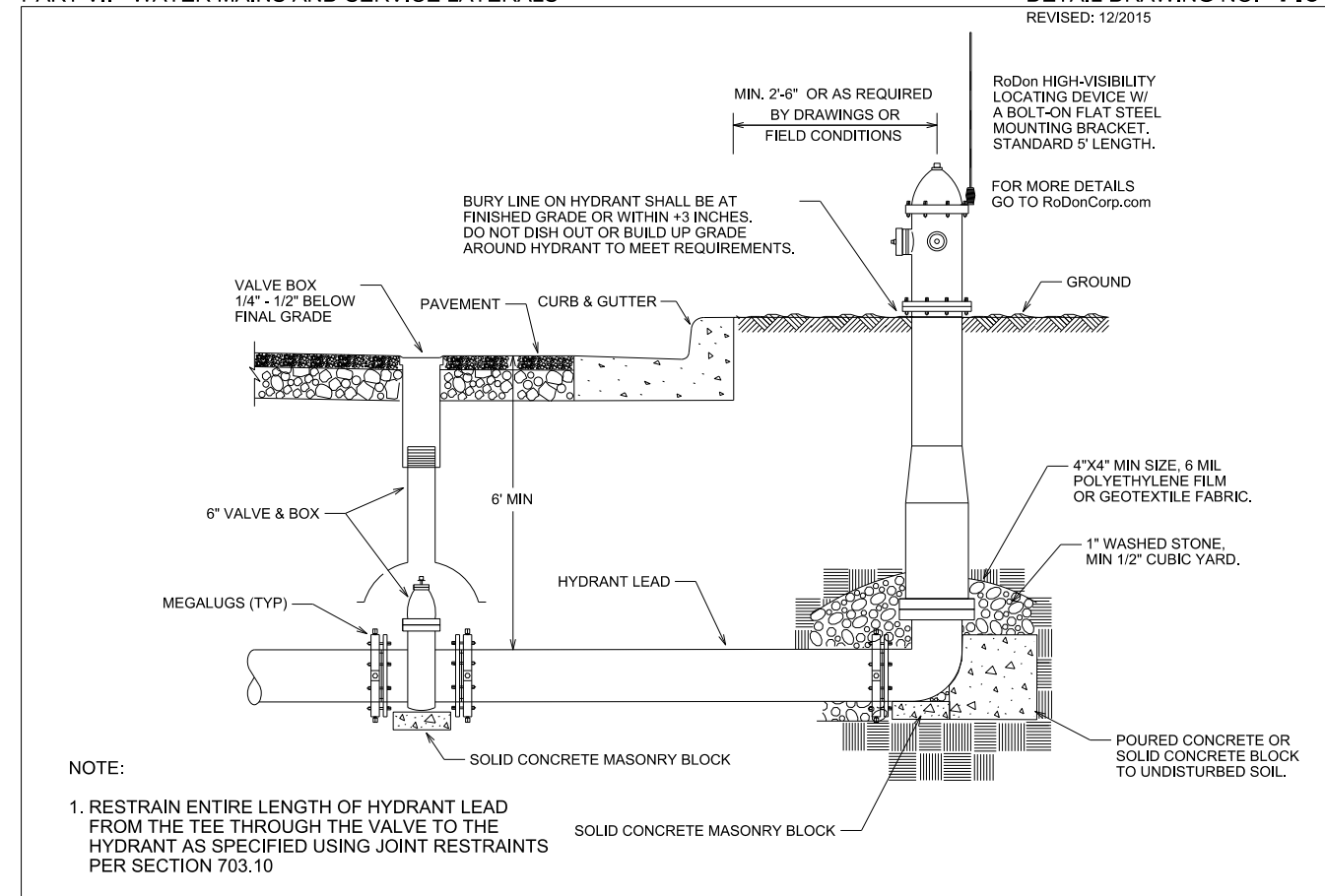
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

NONE

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



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

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

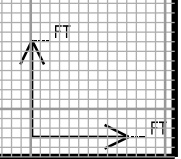
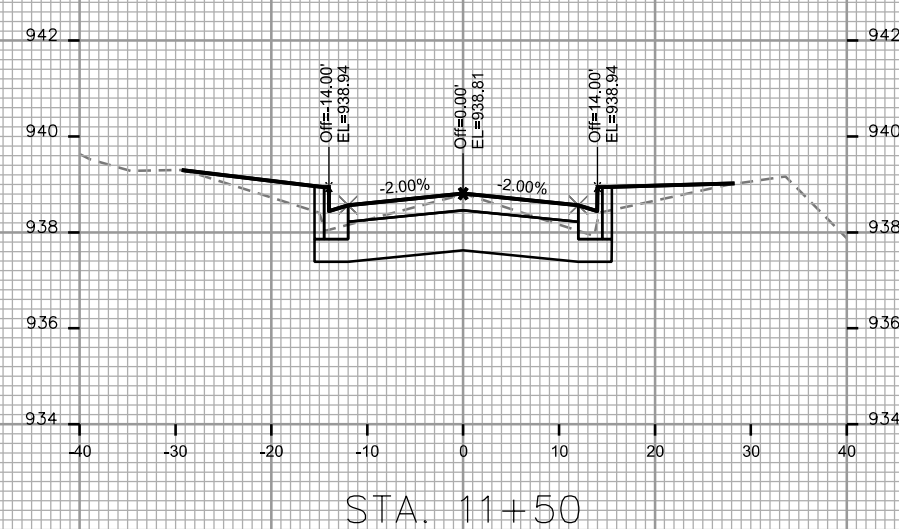
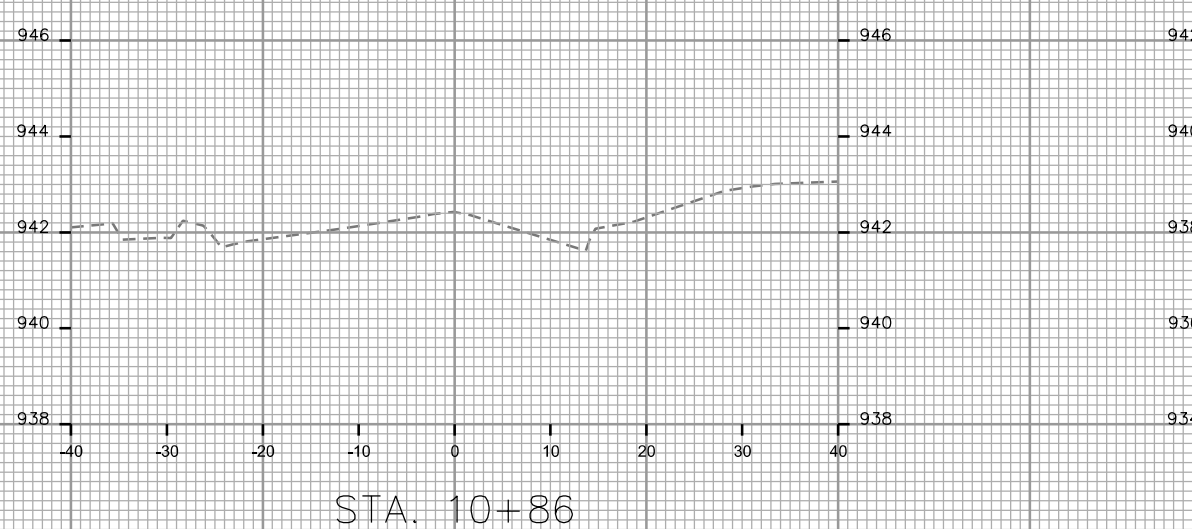
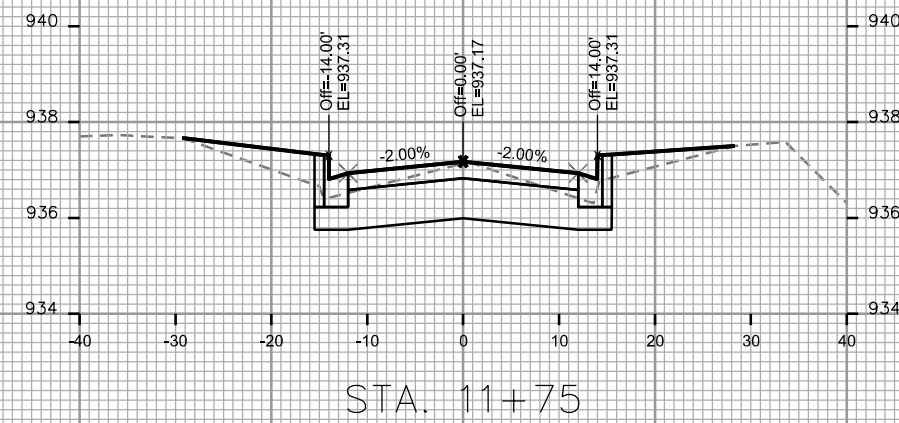
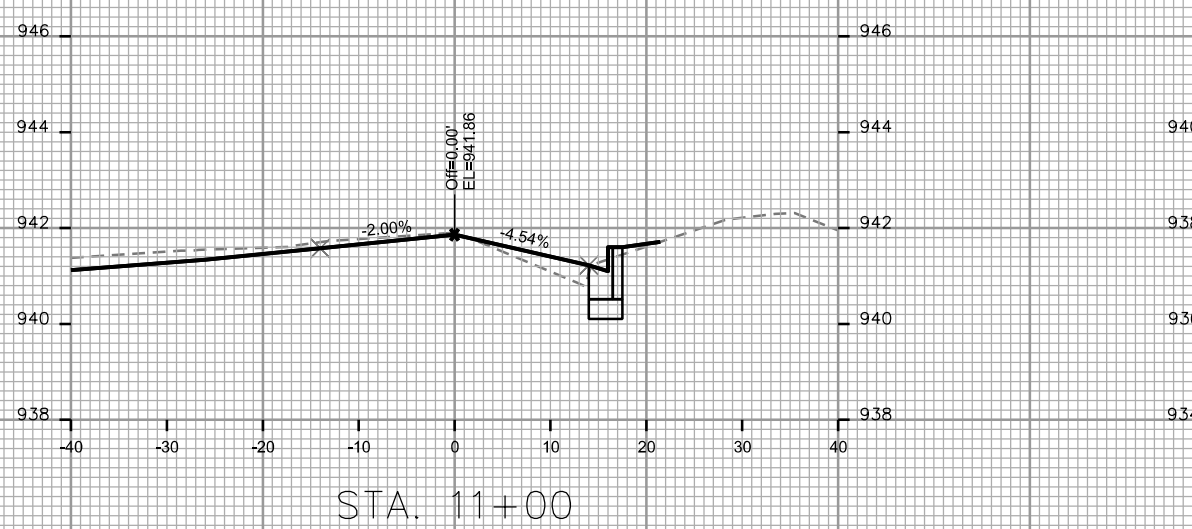
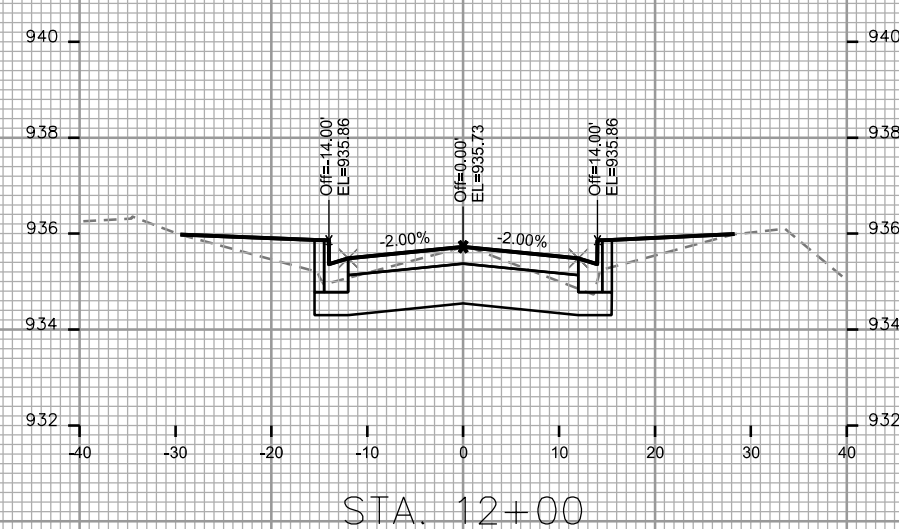
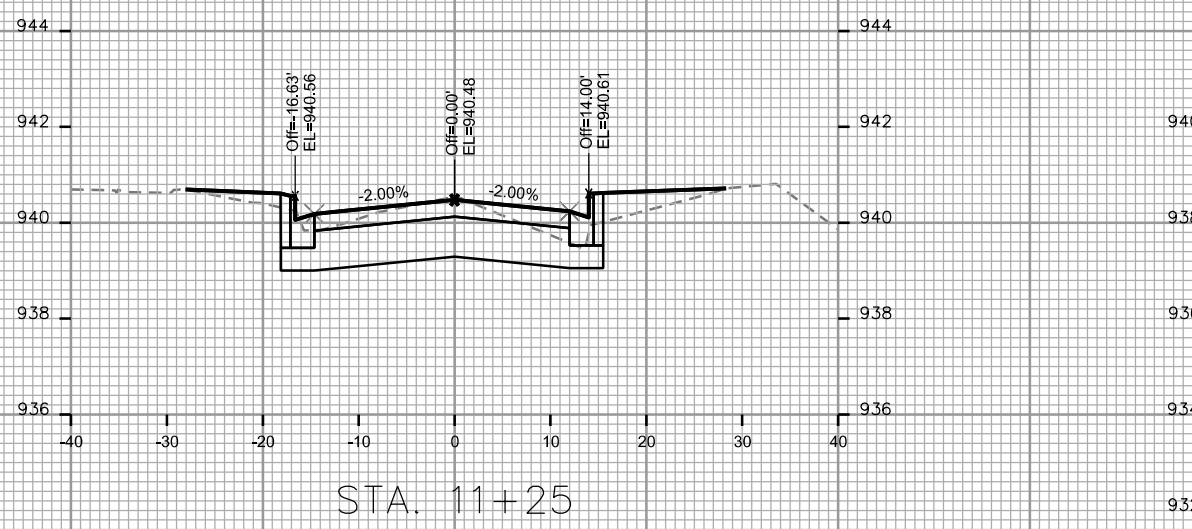
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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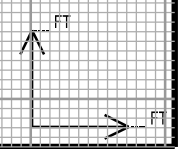
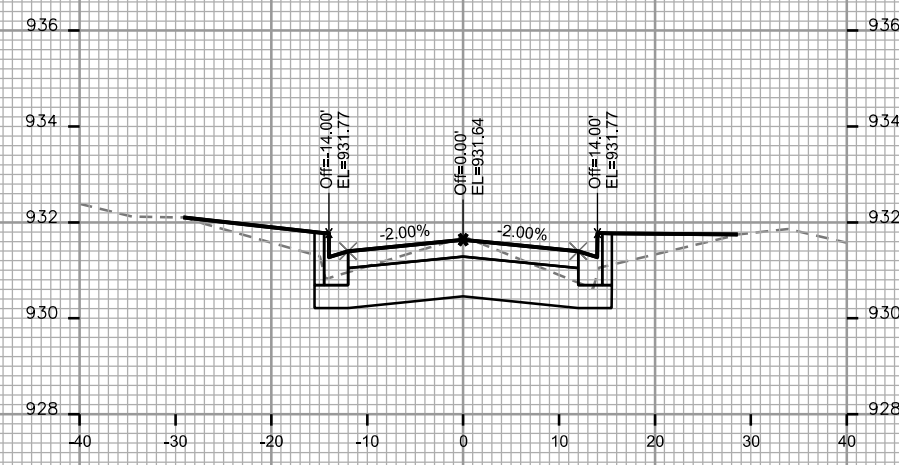
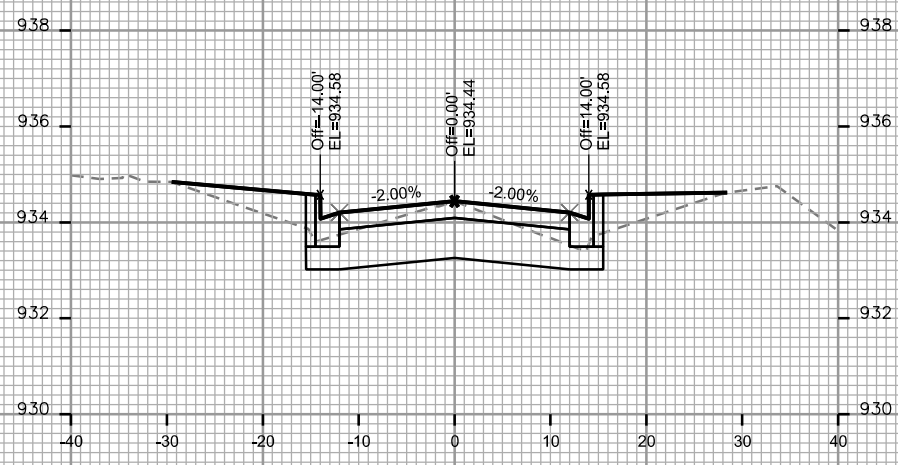
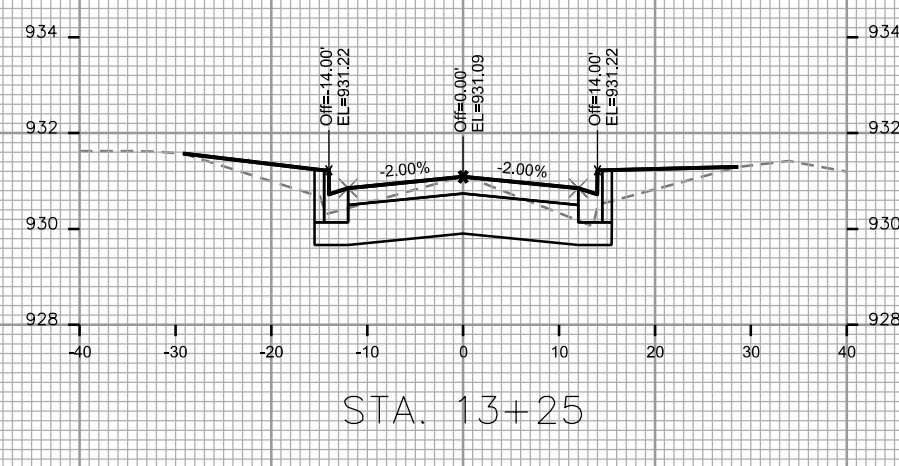
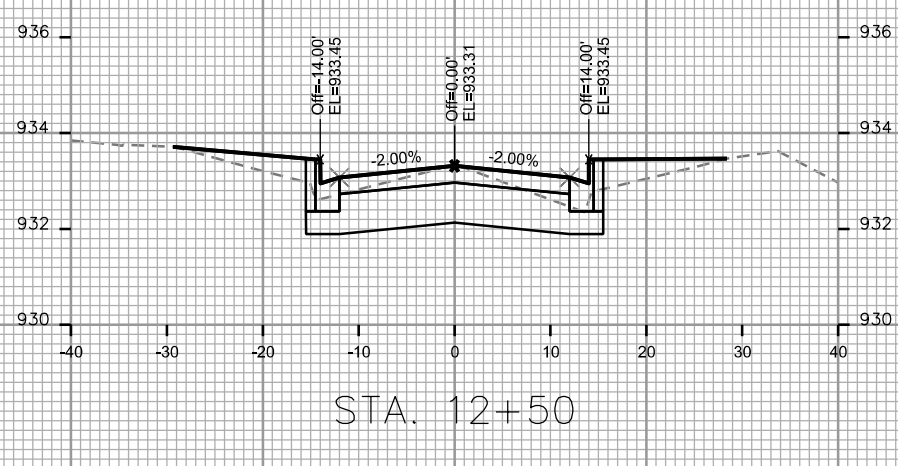
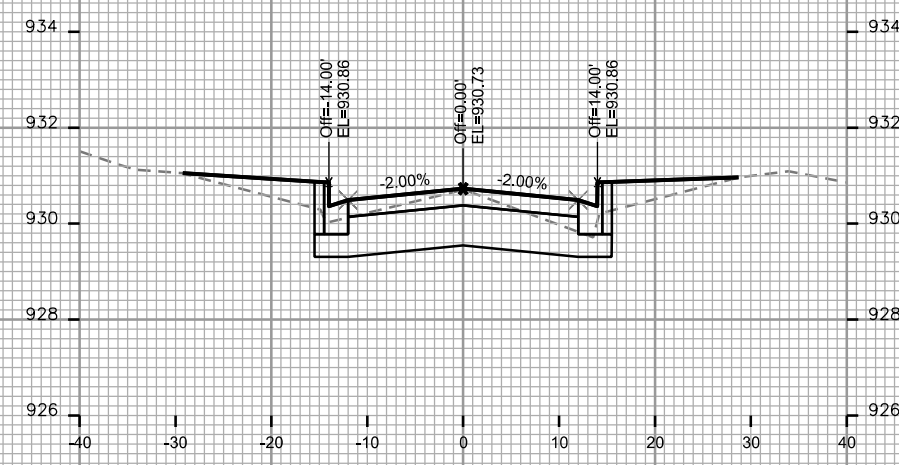
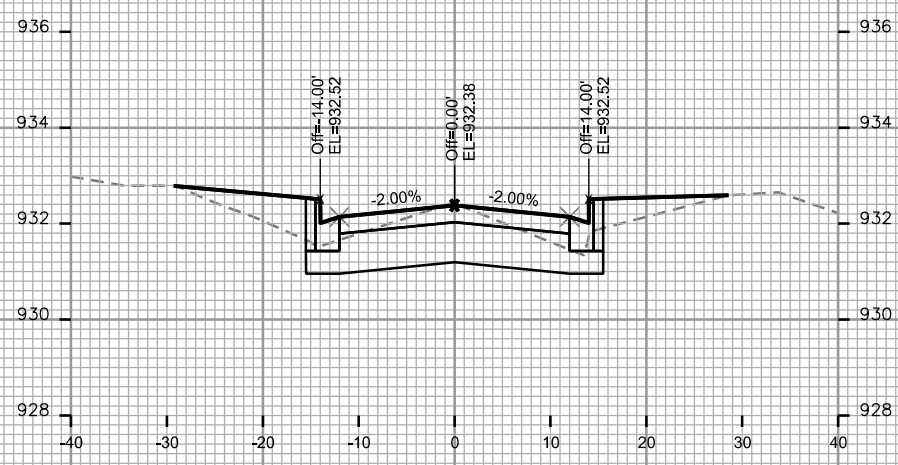


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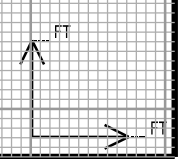
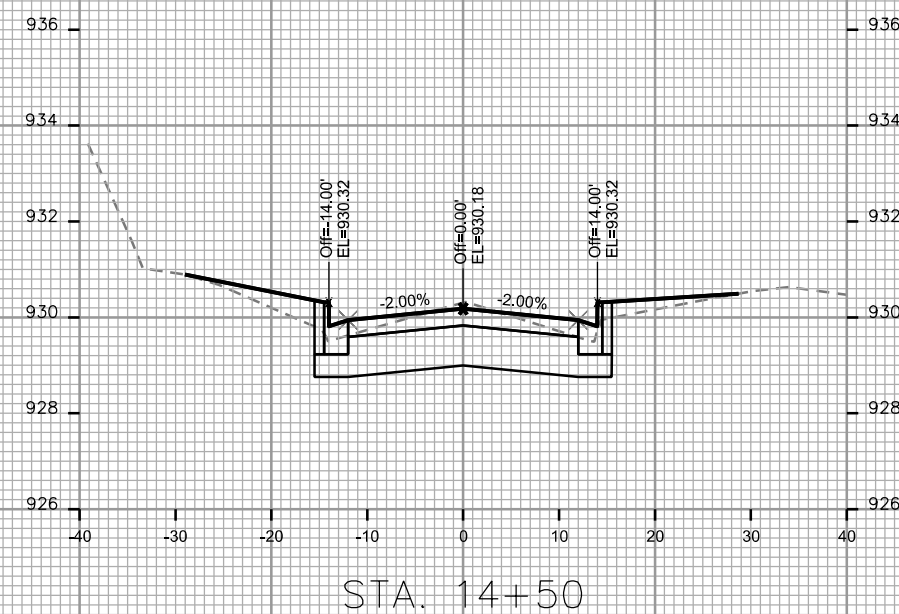
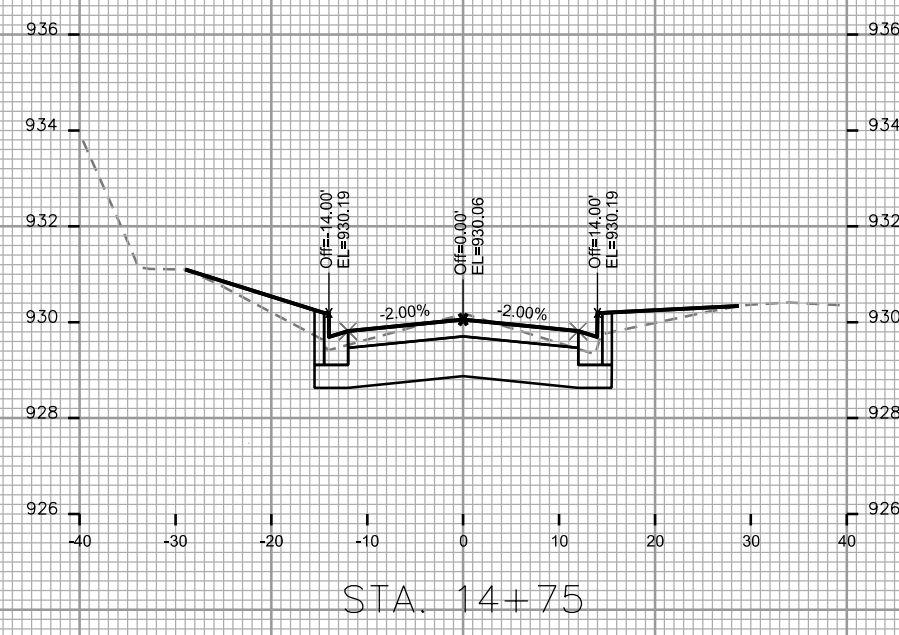
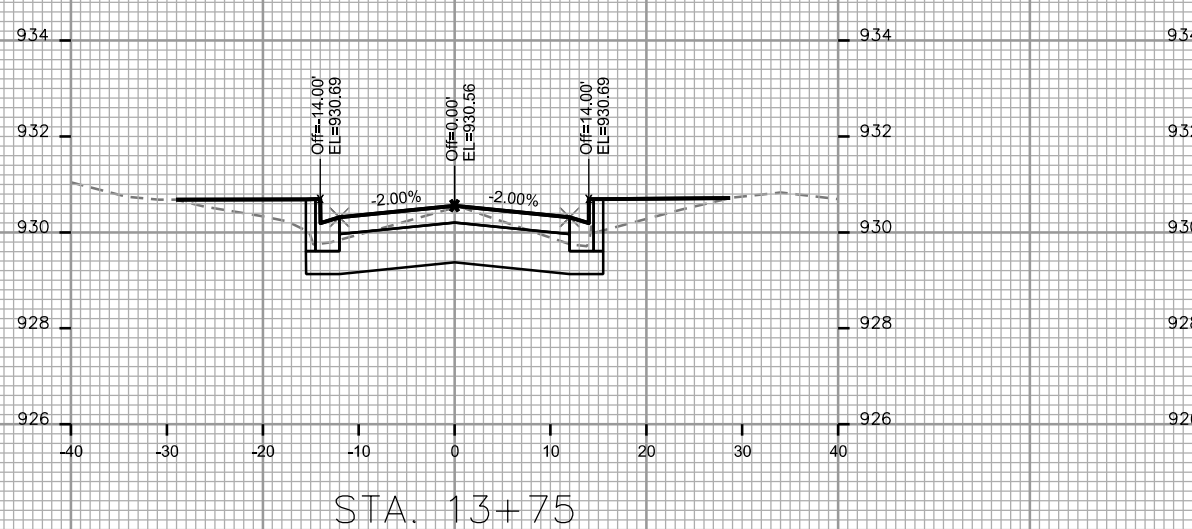
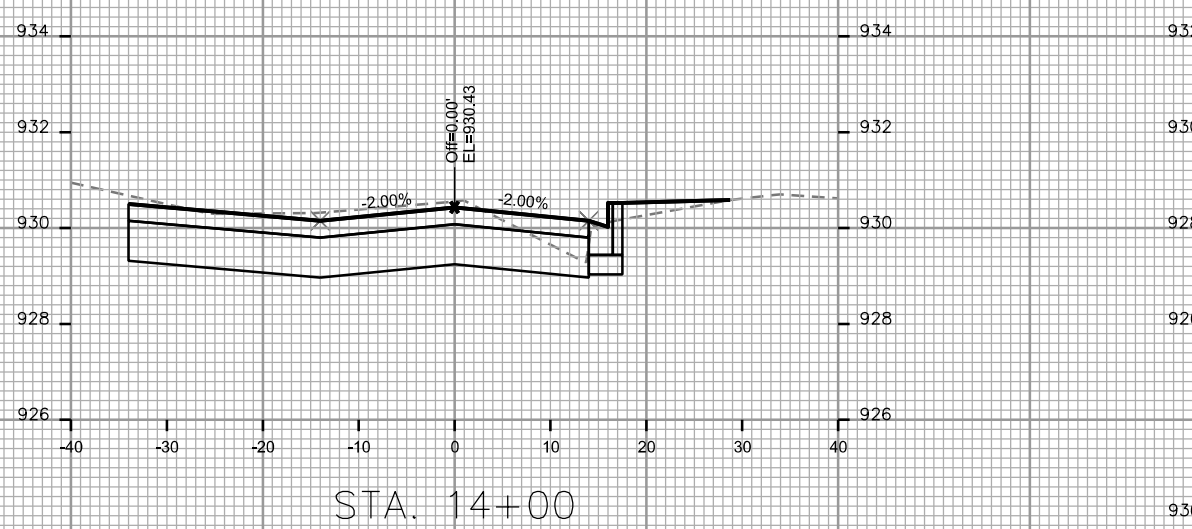
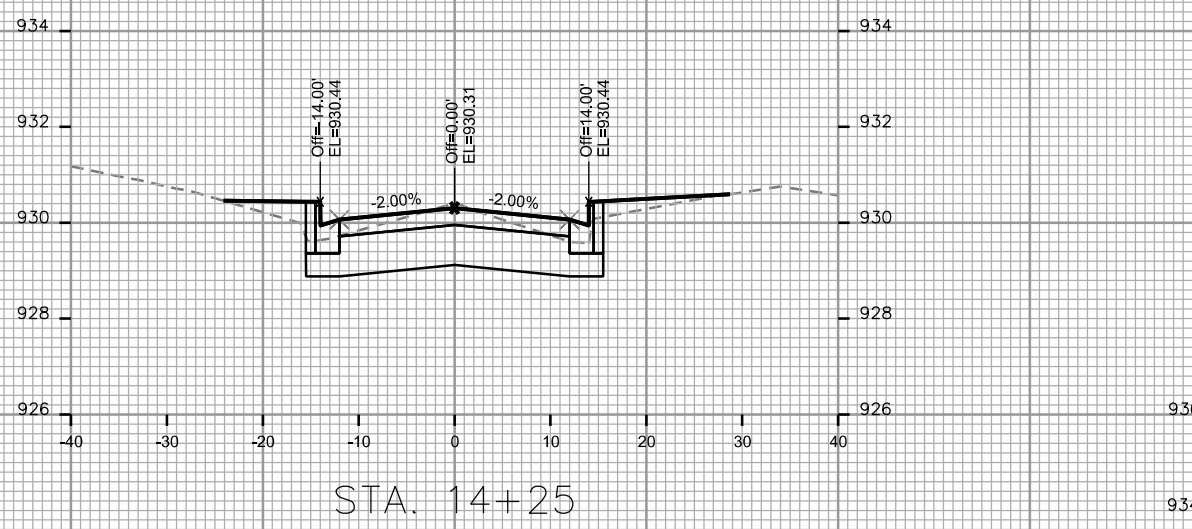


PLOT SCALE: _____

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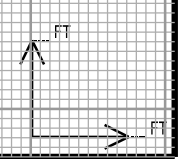
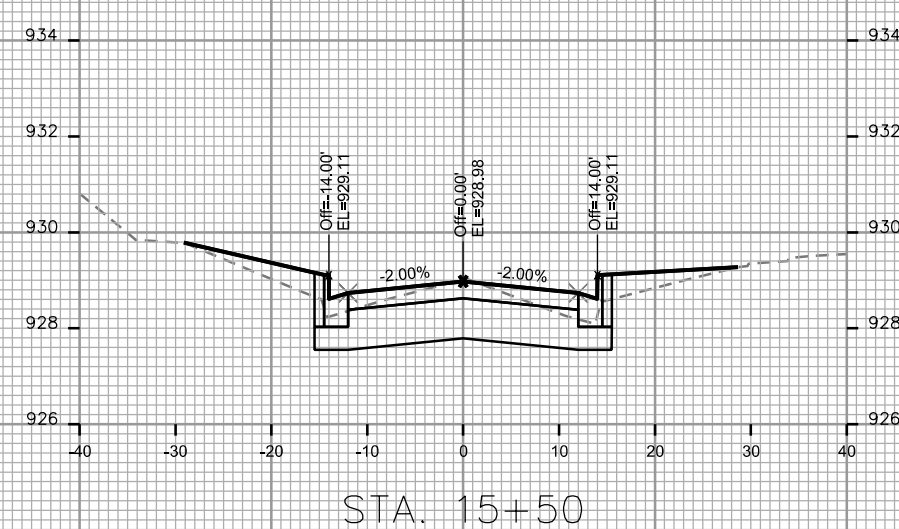
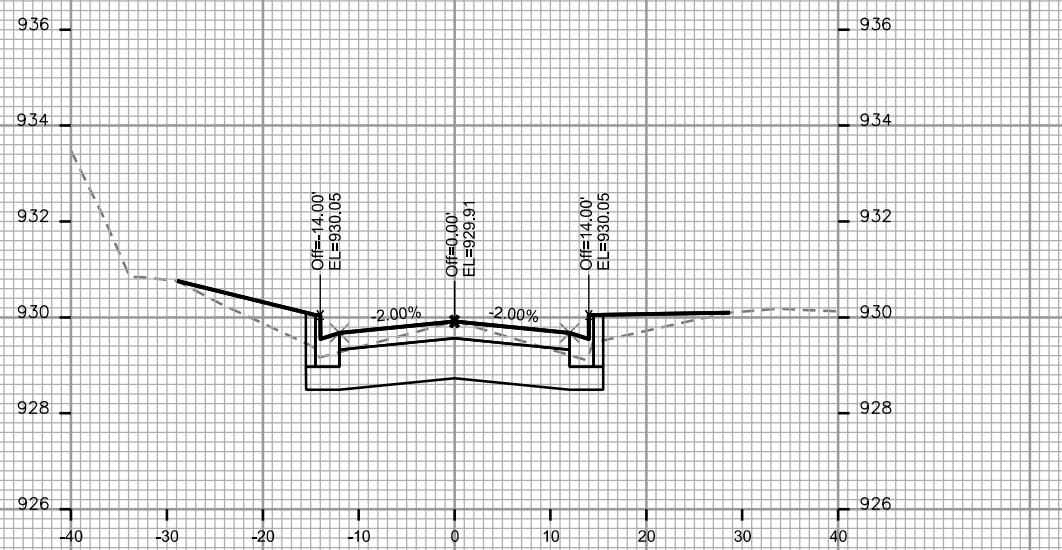
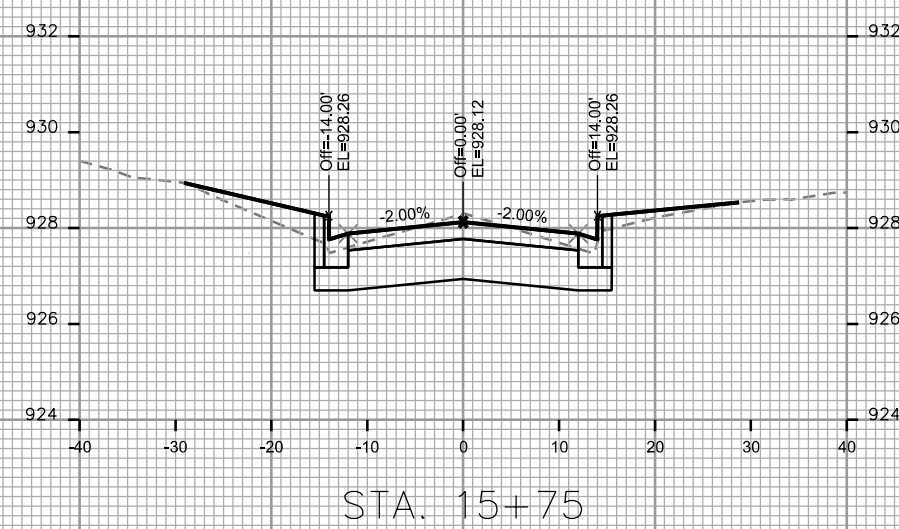
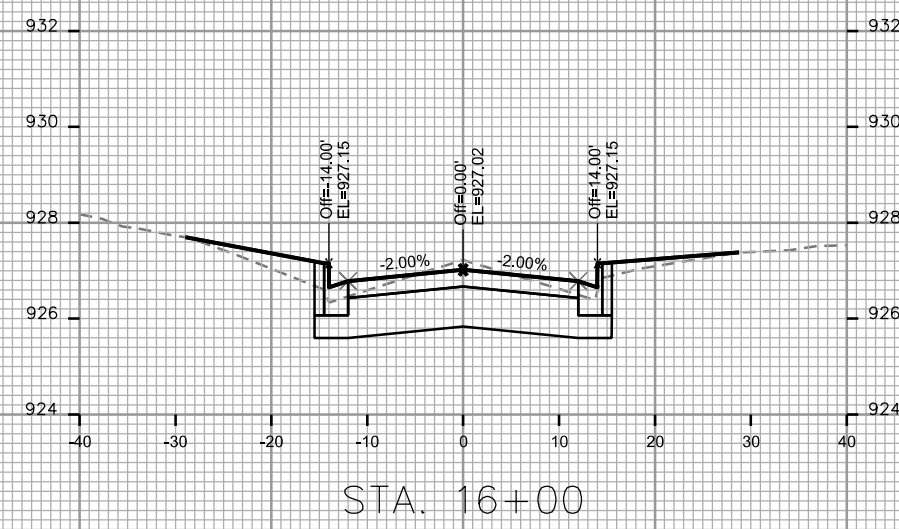
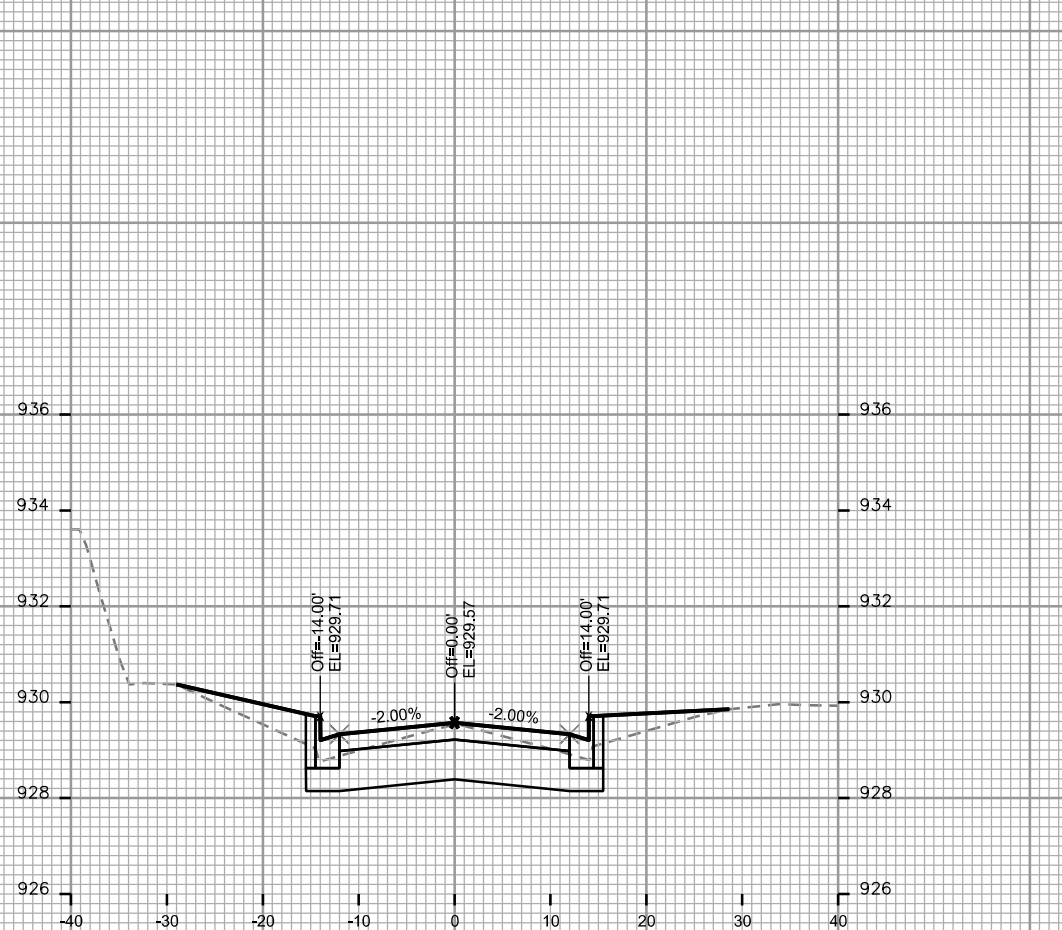


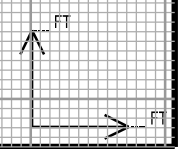
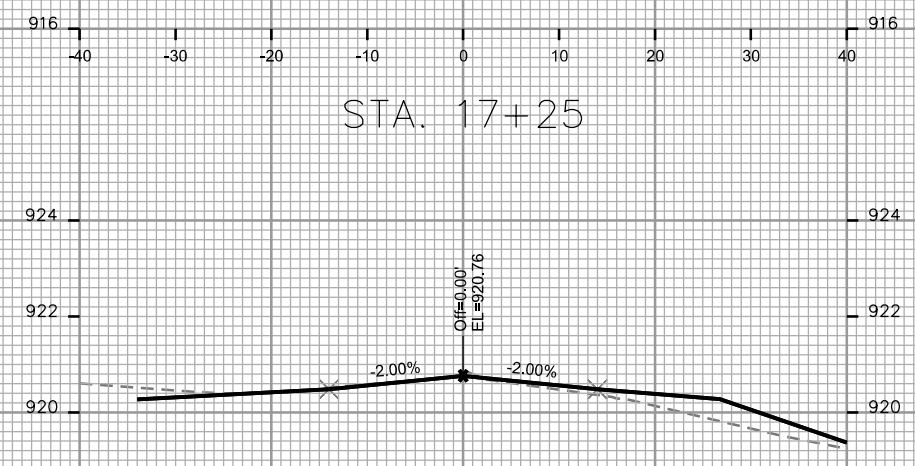
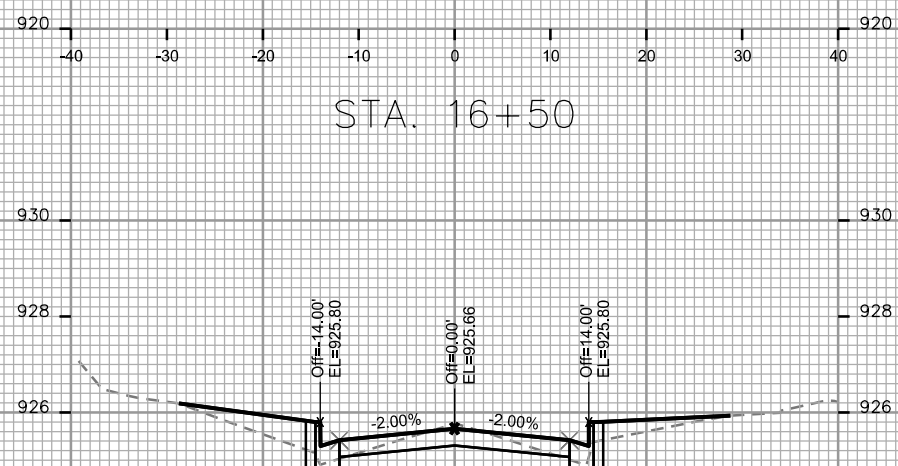
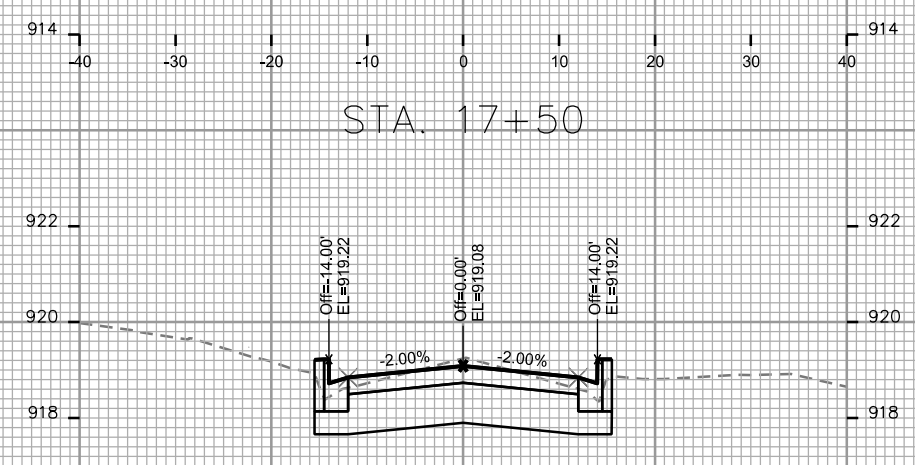
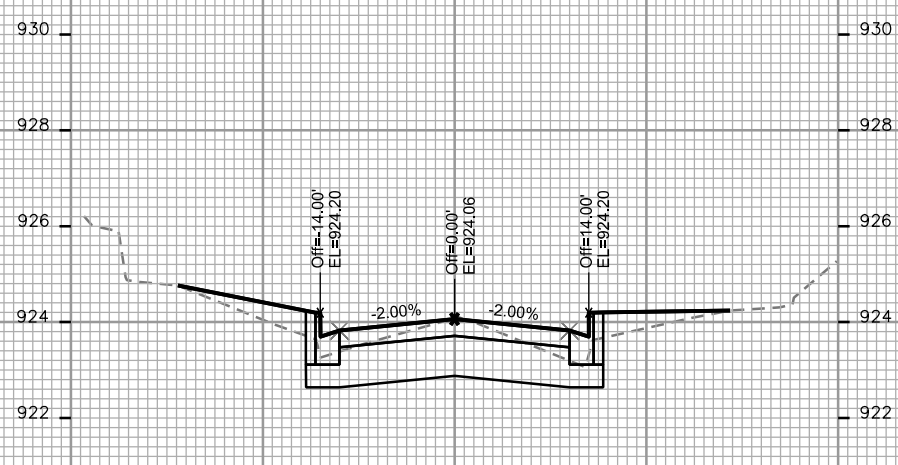
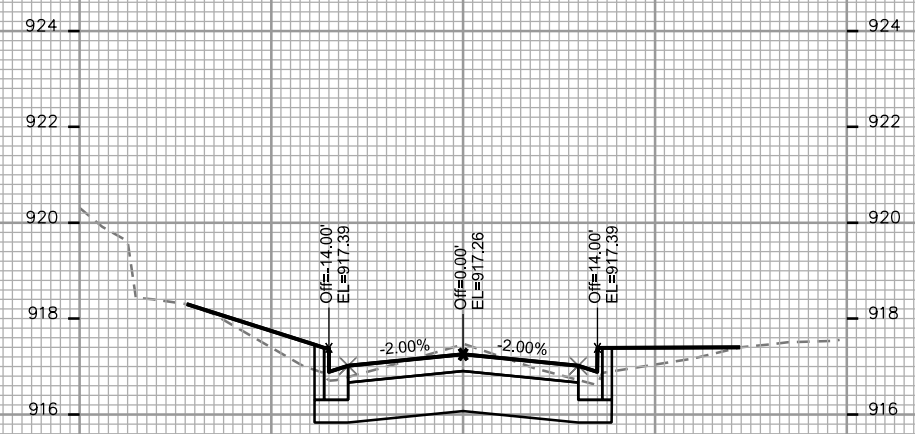
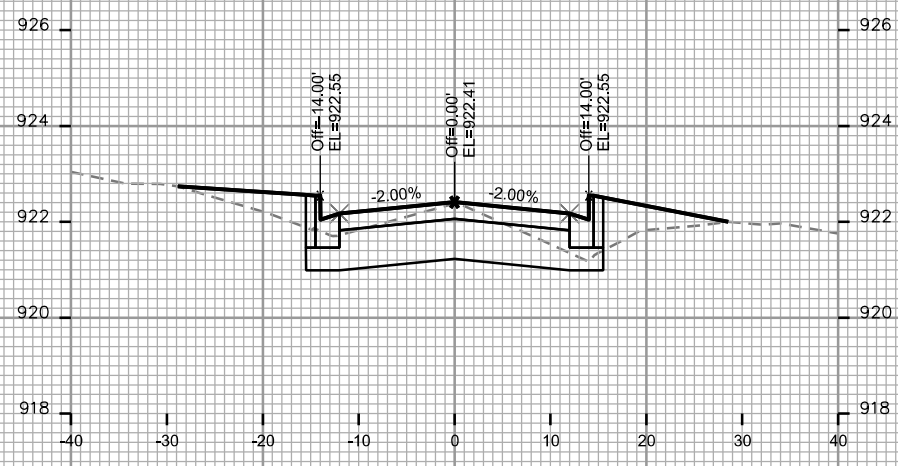
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



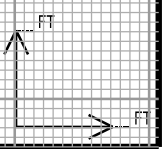
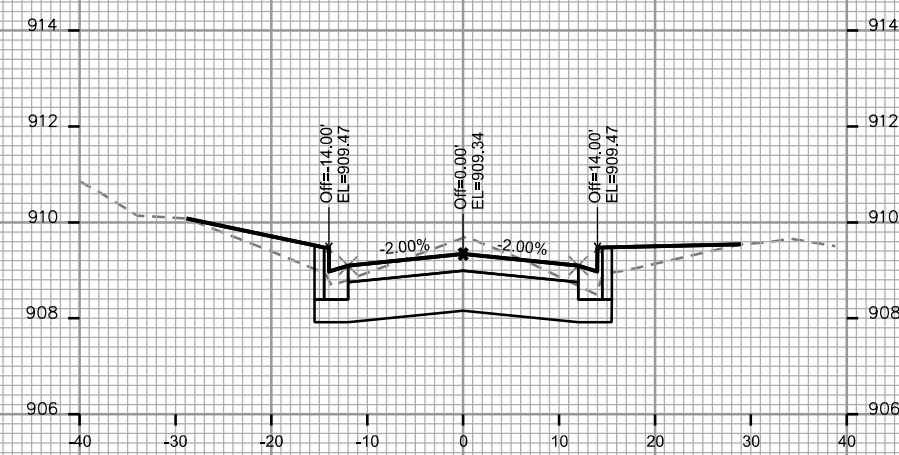
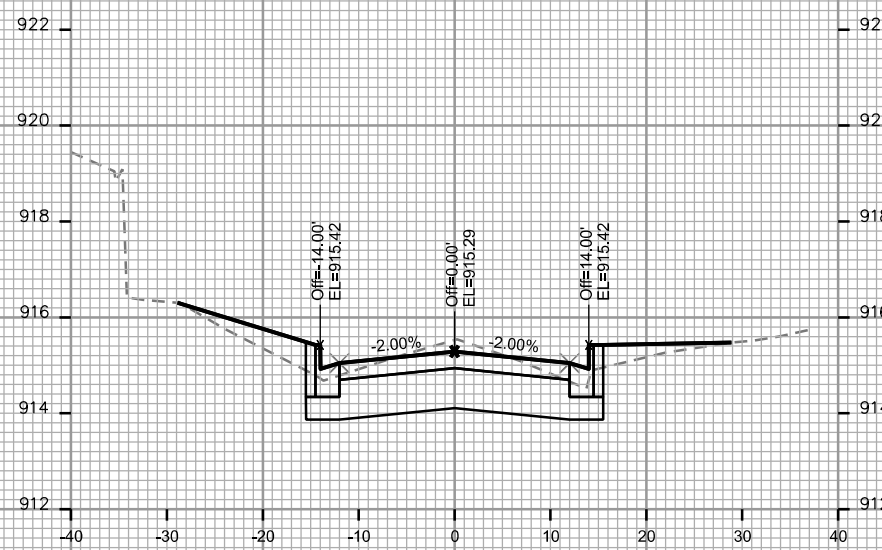
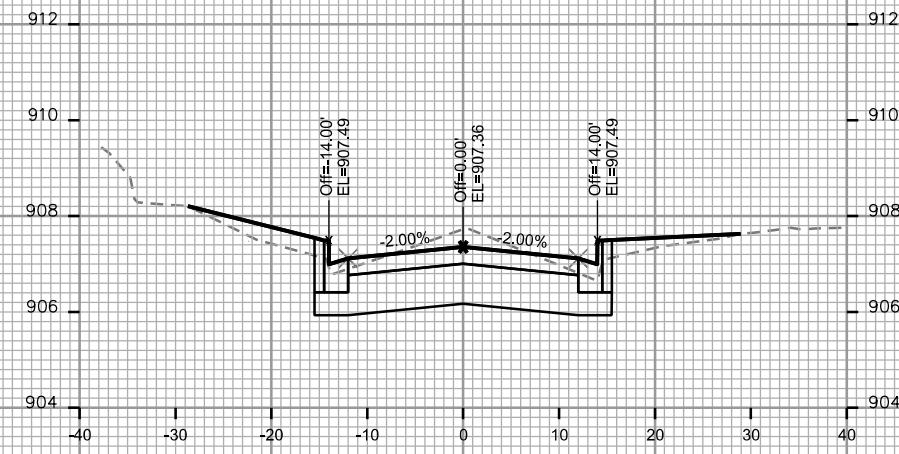
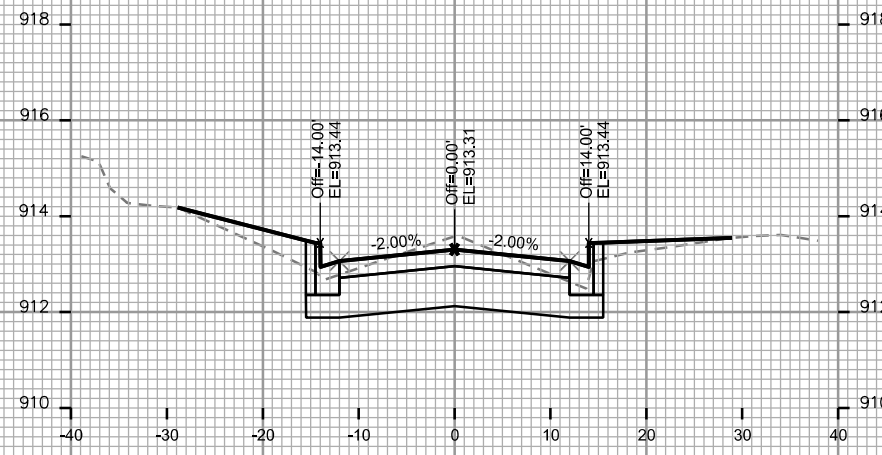
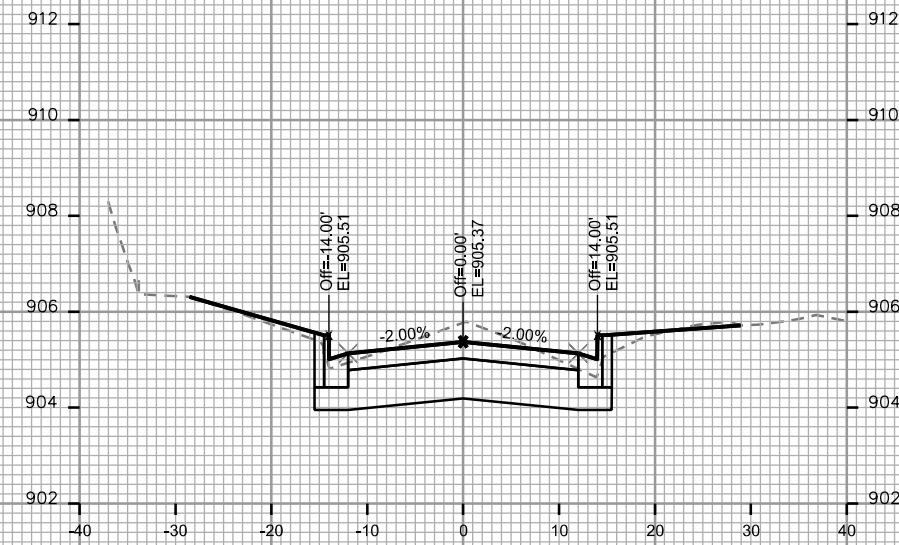
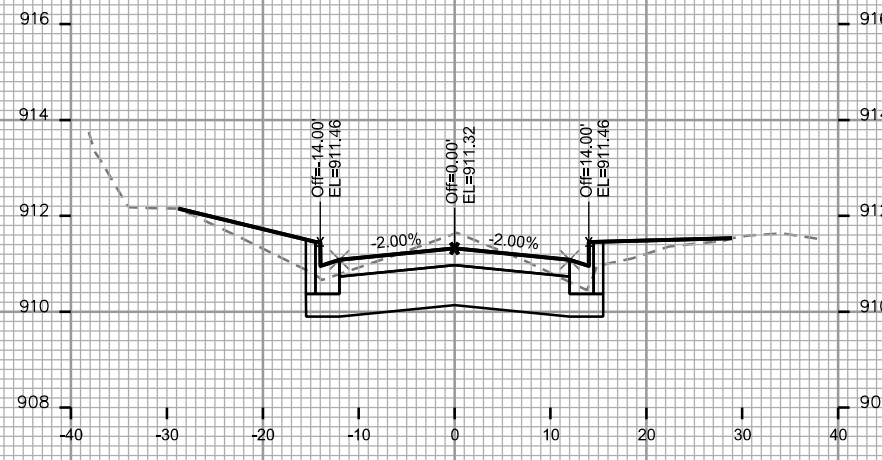


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ORIGINATOR: CITY OF MADISON - STREETS DIVISION

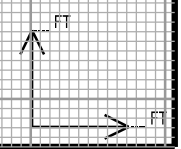
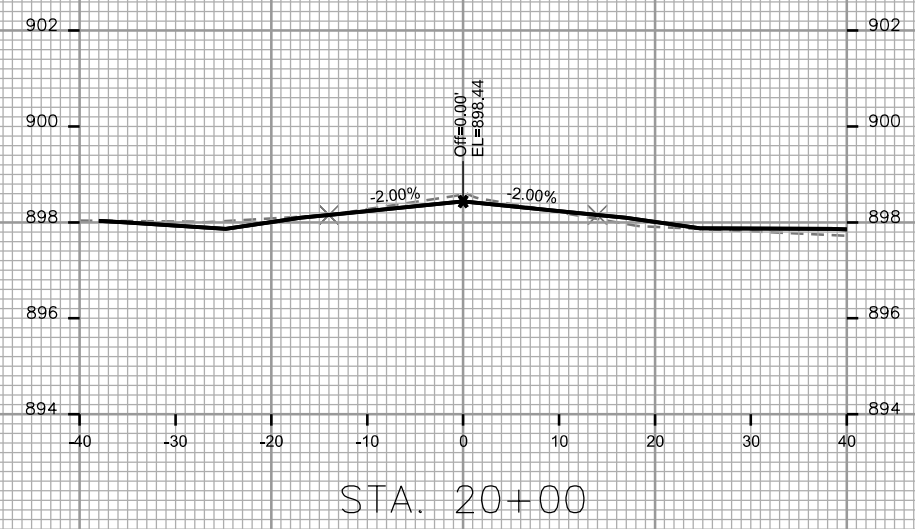
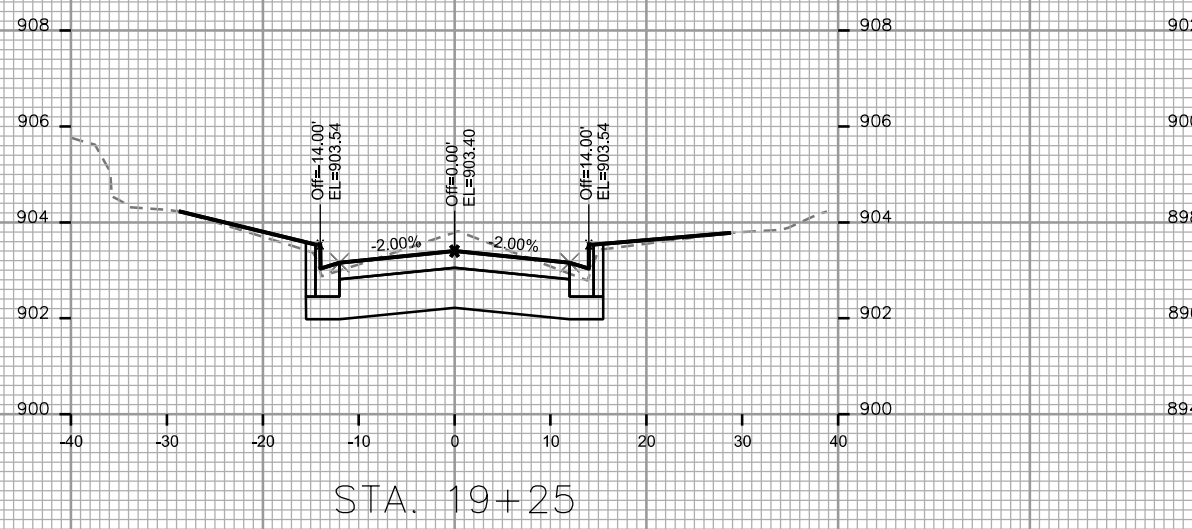
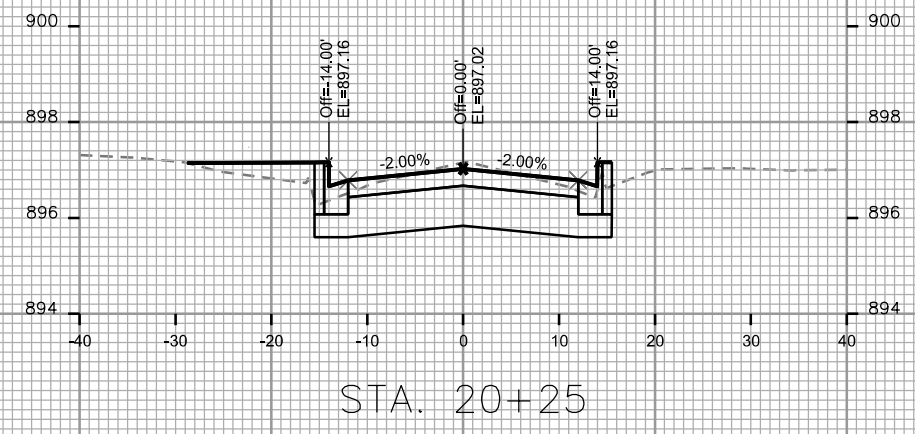
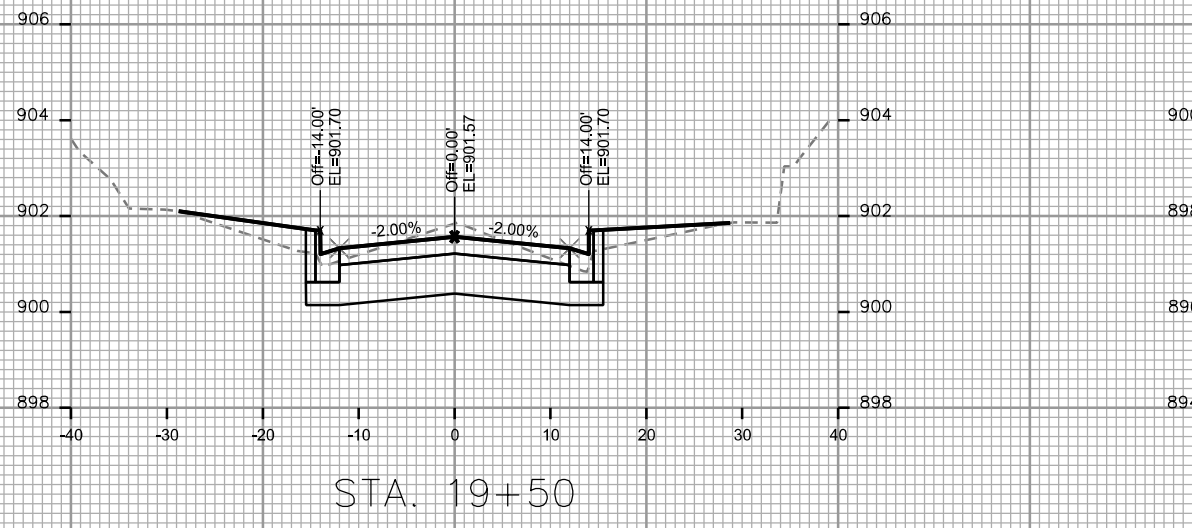
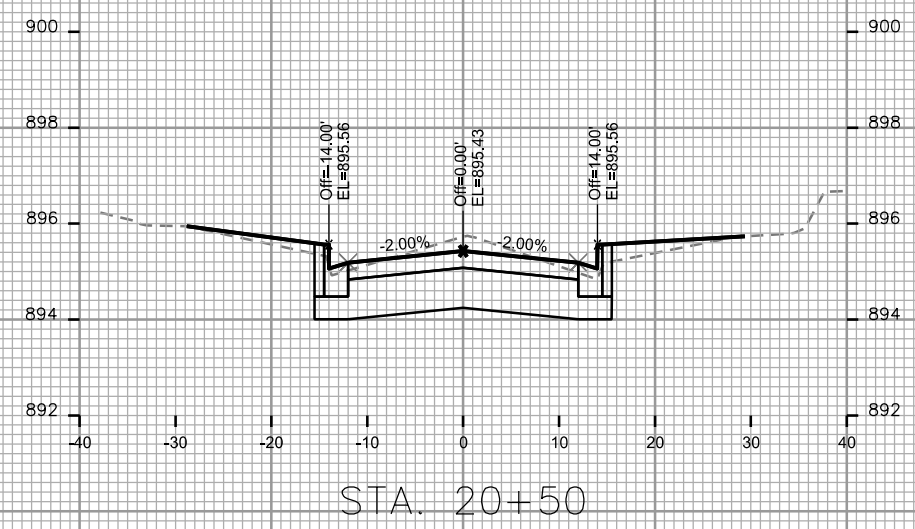
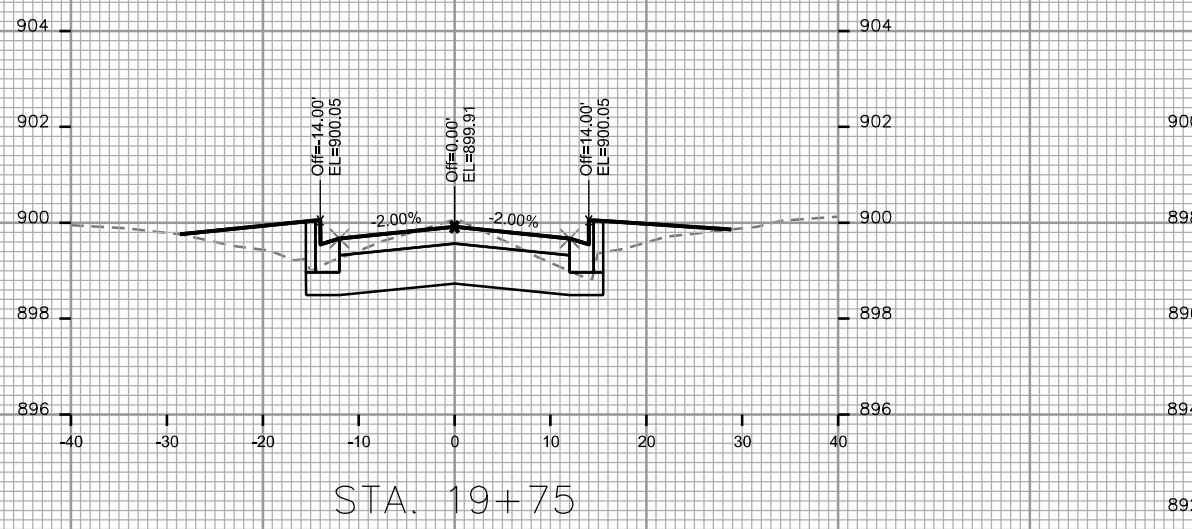


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

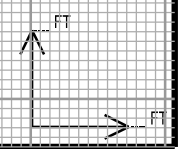
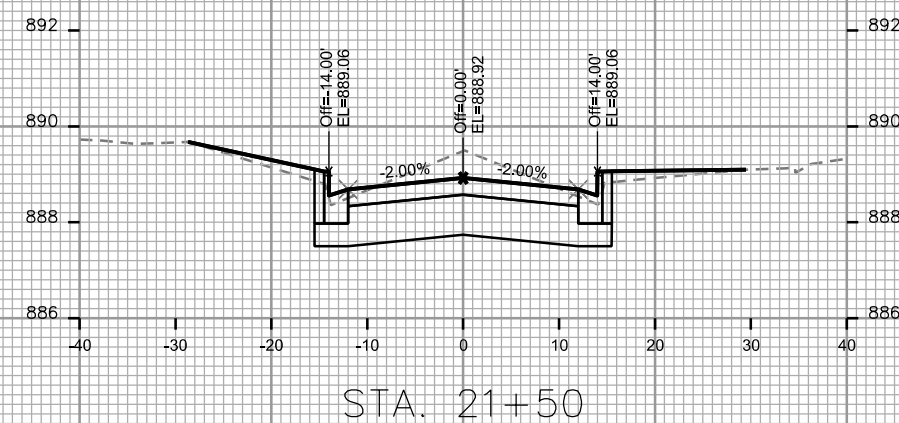
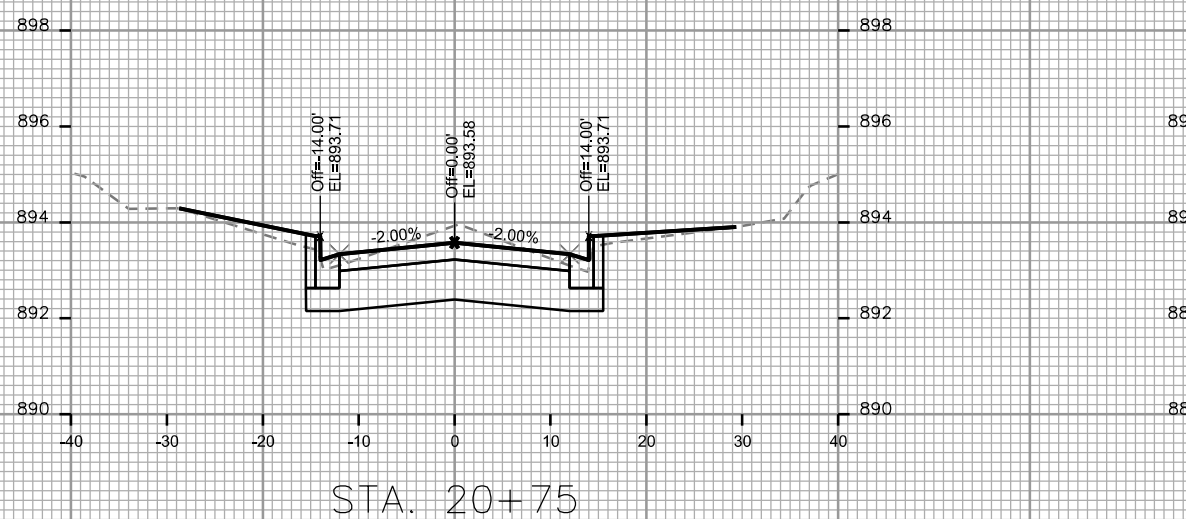
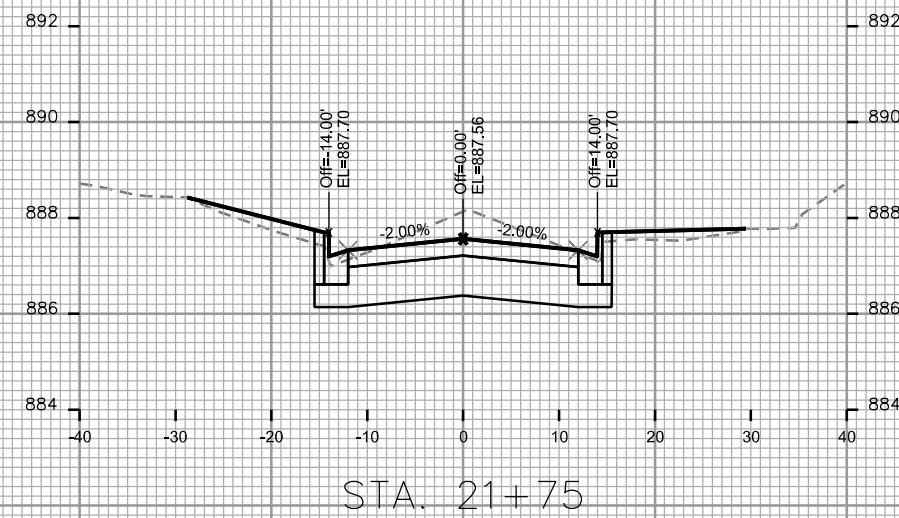
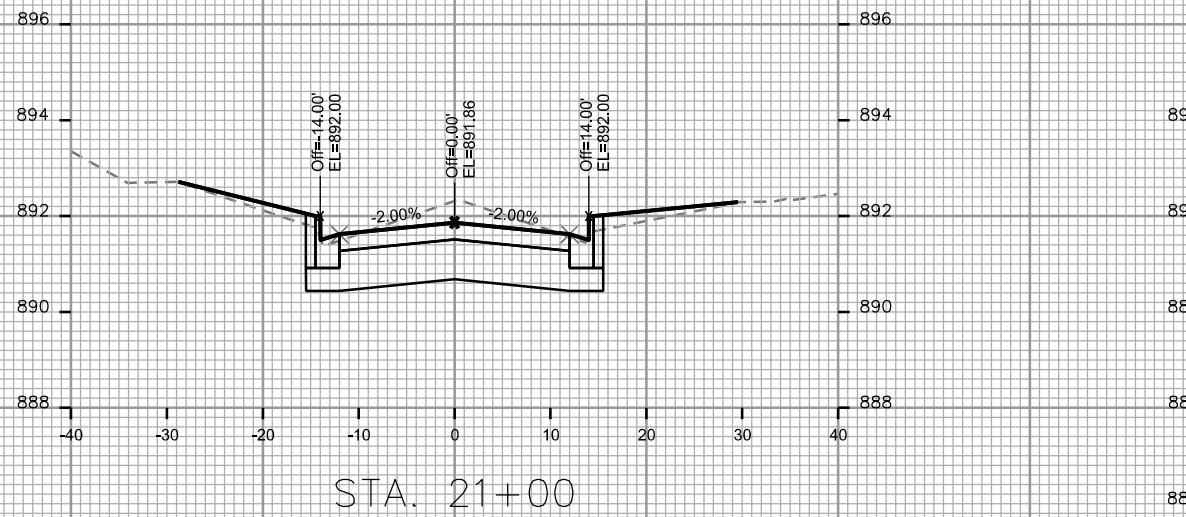
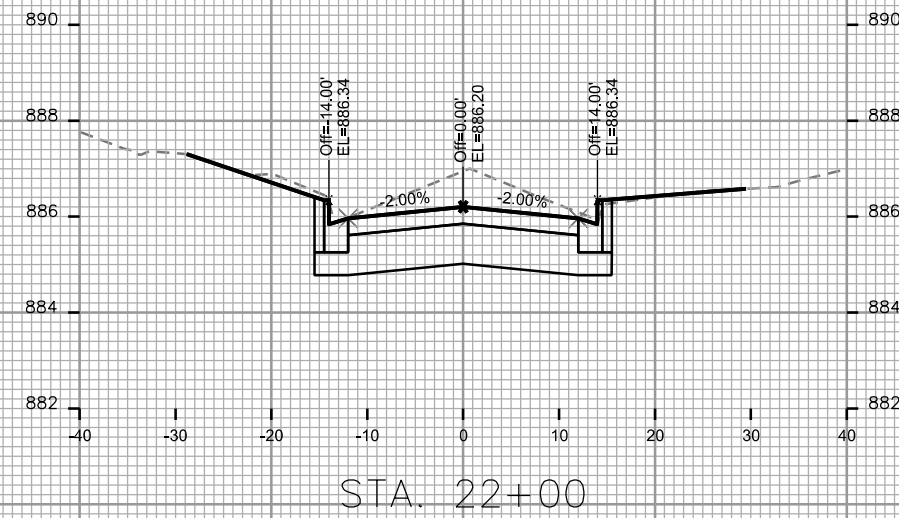
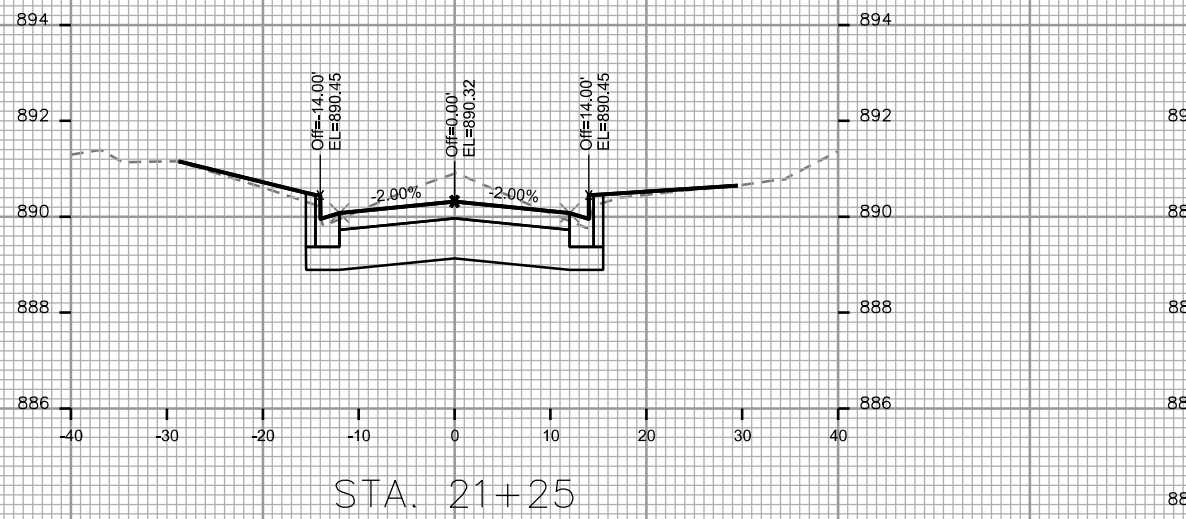


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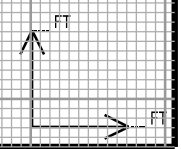
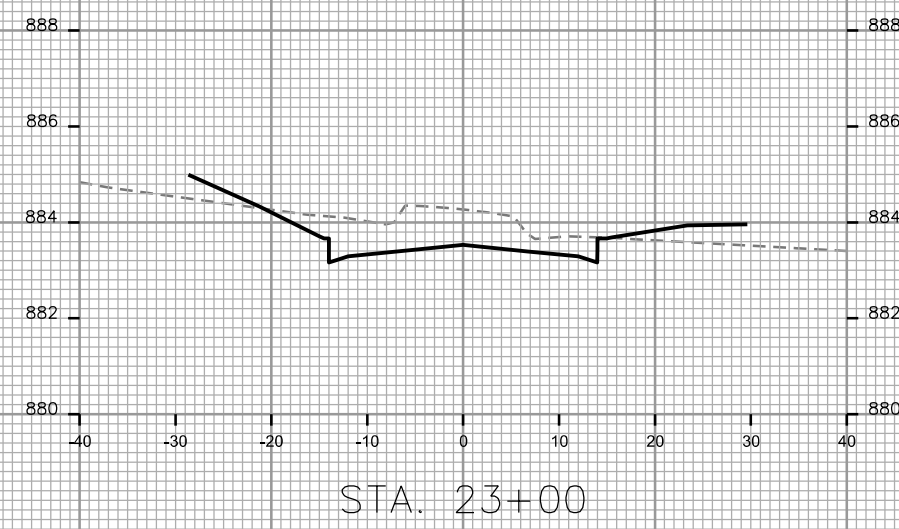
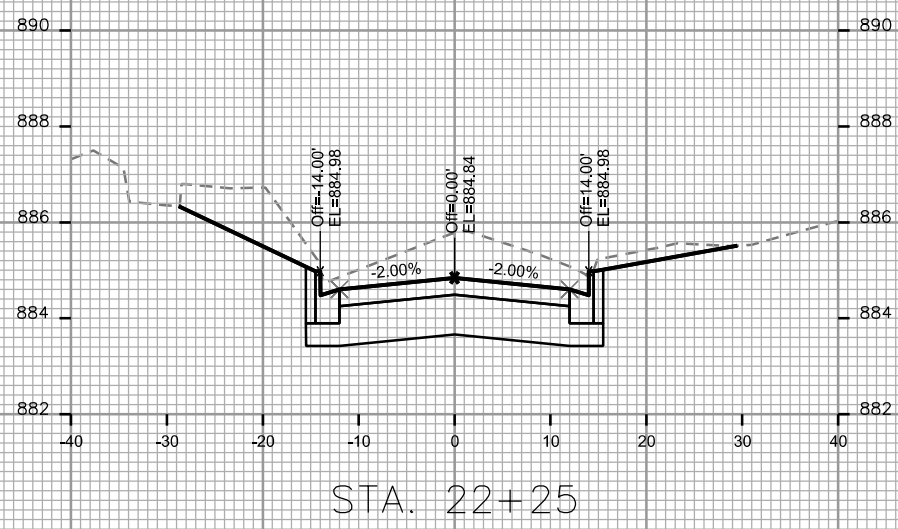
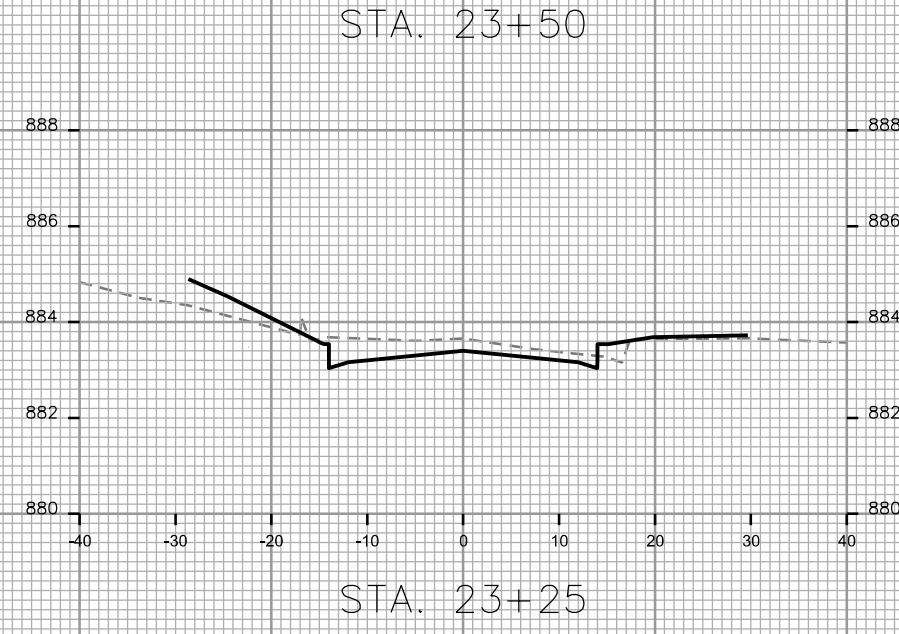
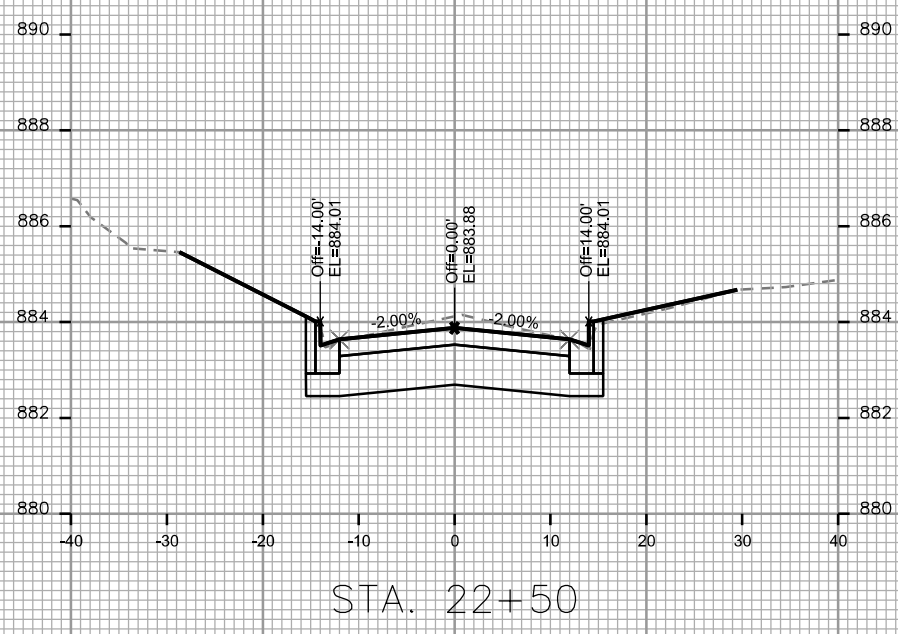
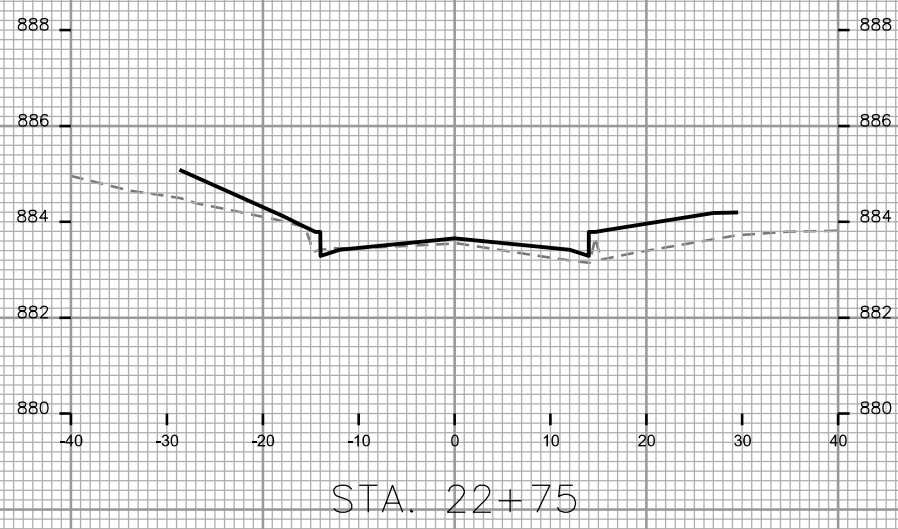
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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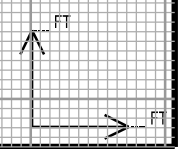
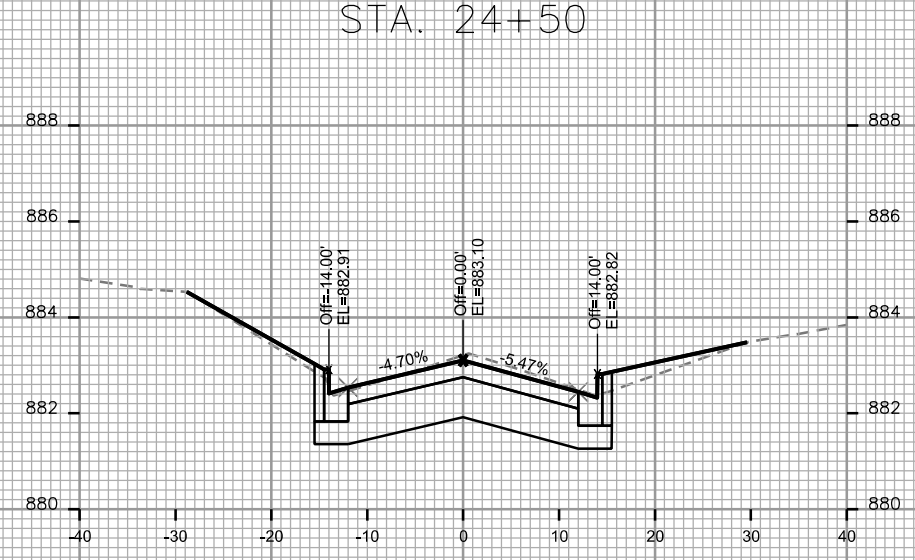
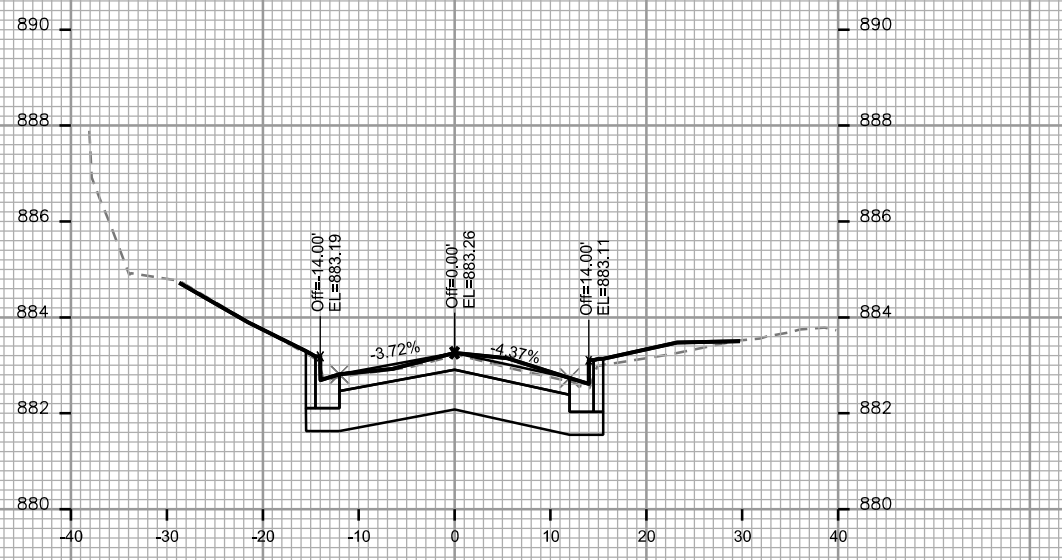
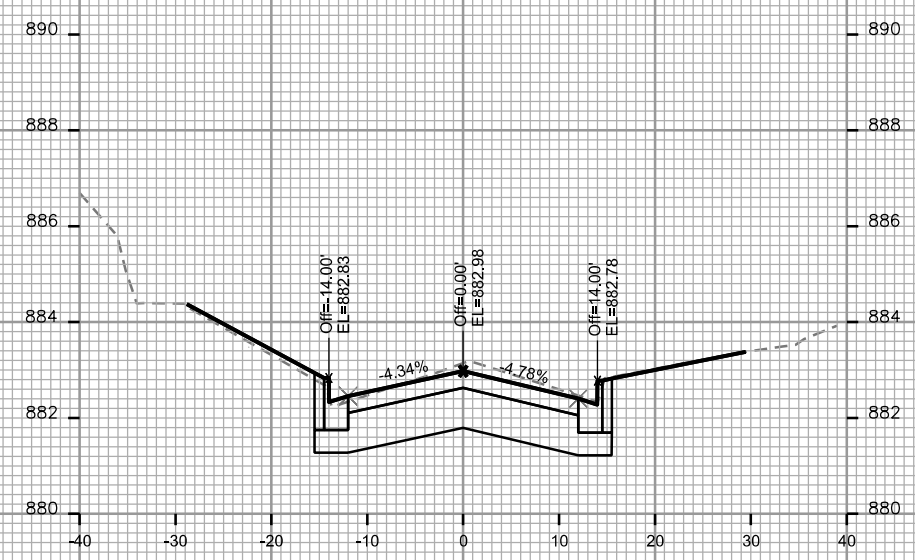
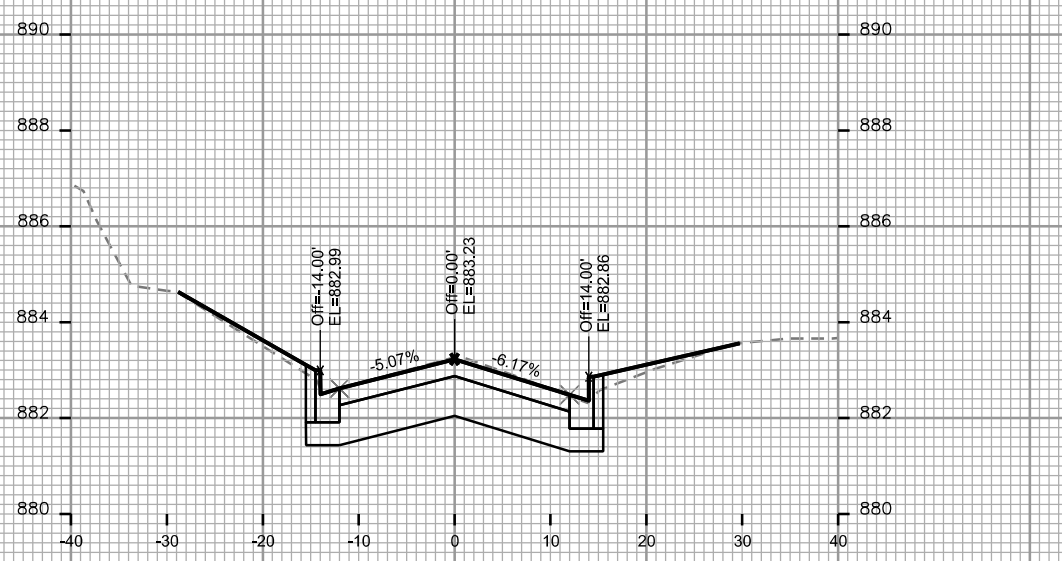


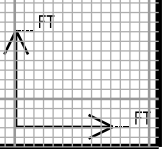
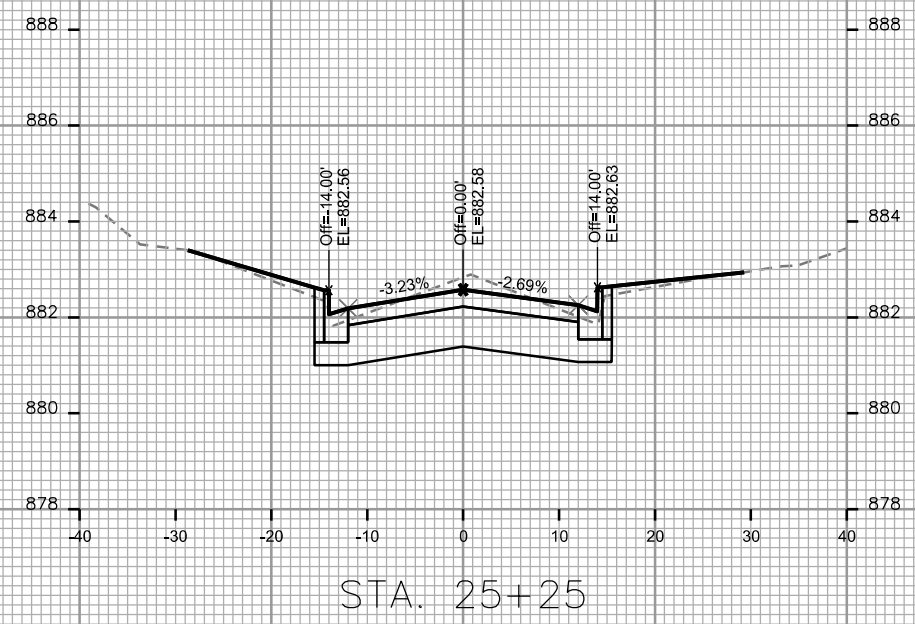
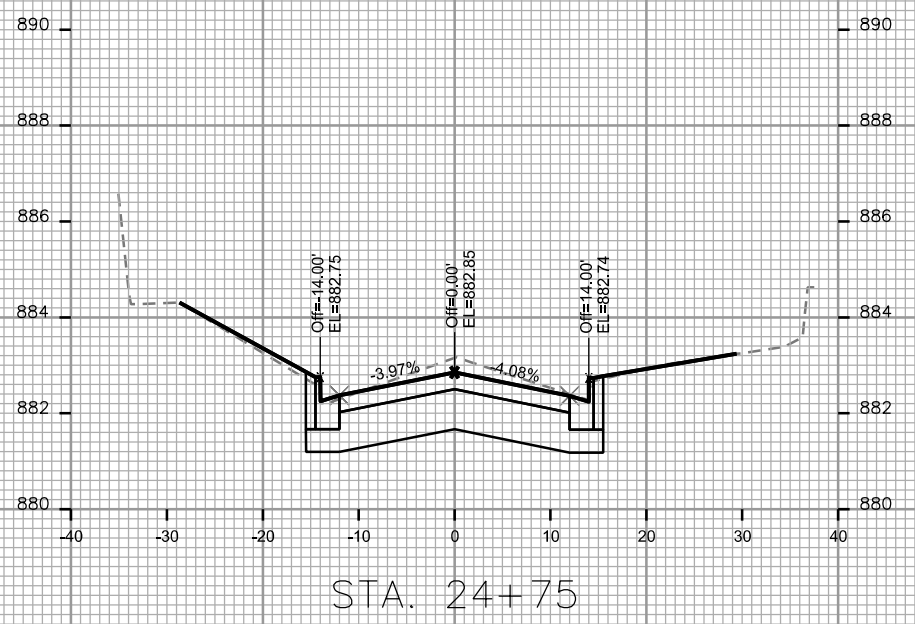
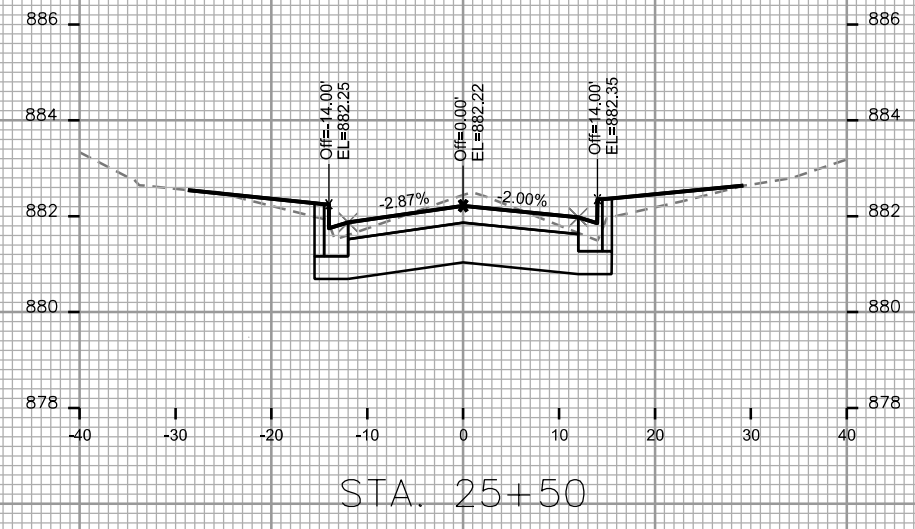
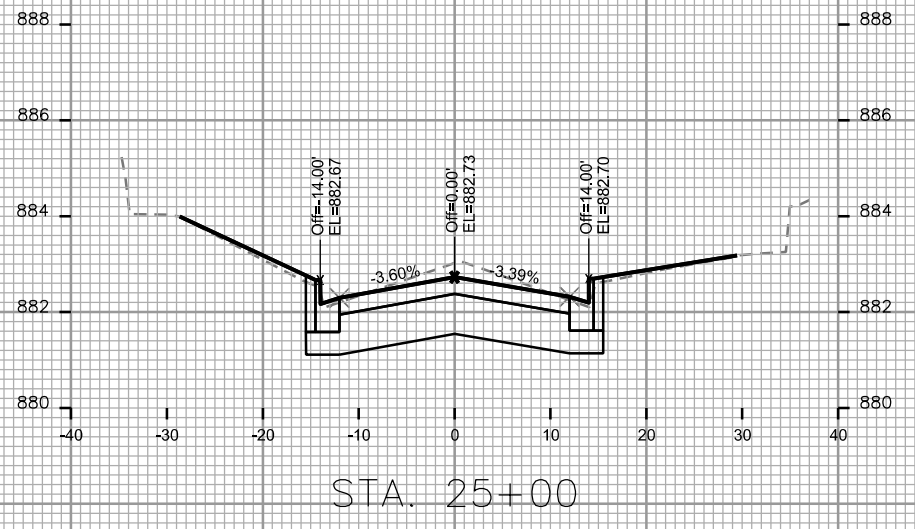
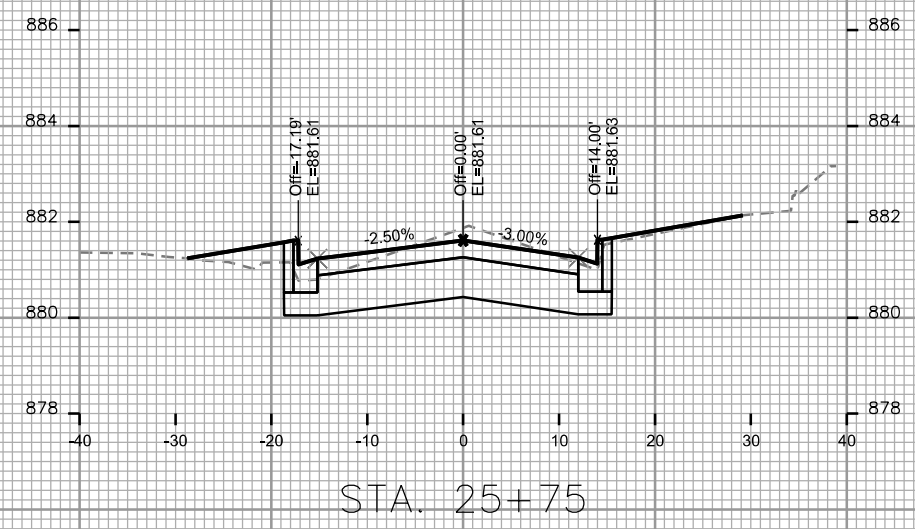
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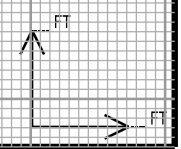
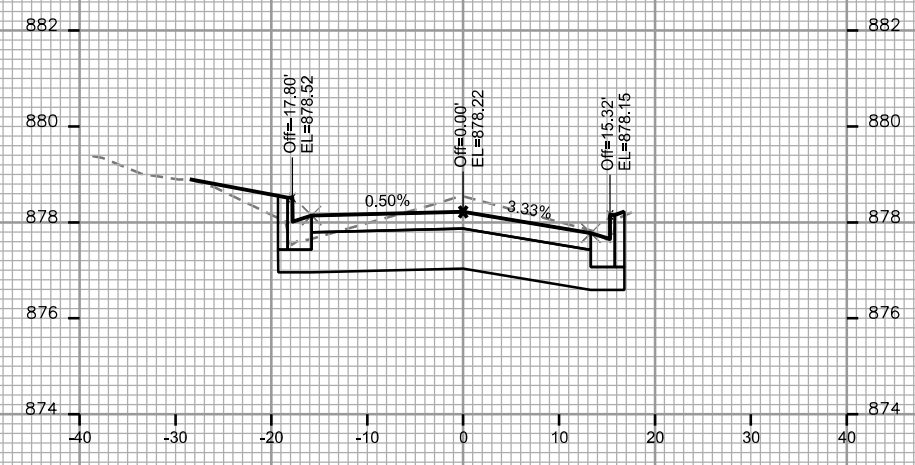
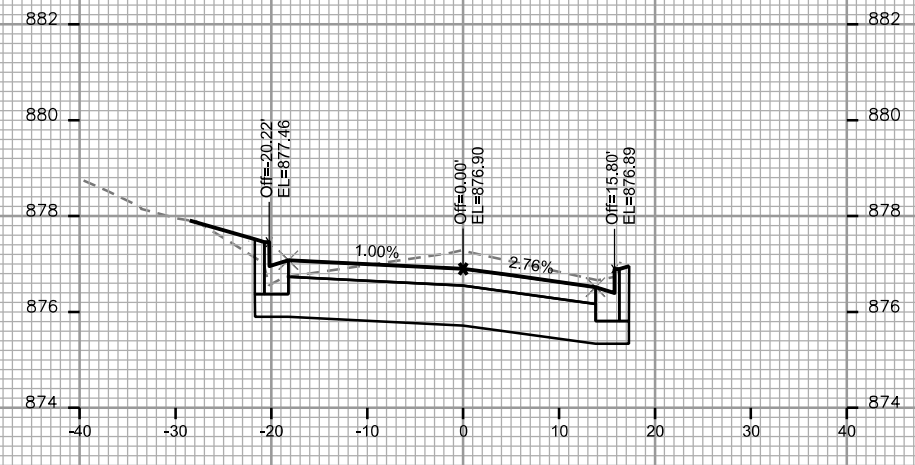
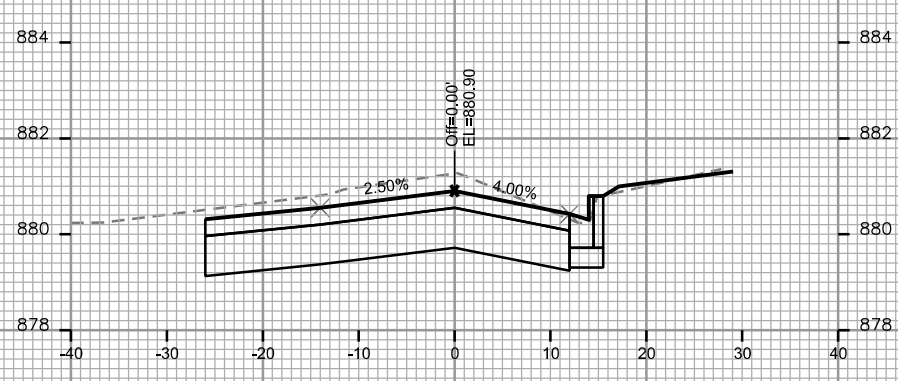
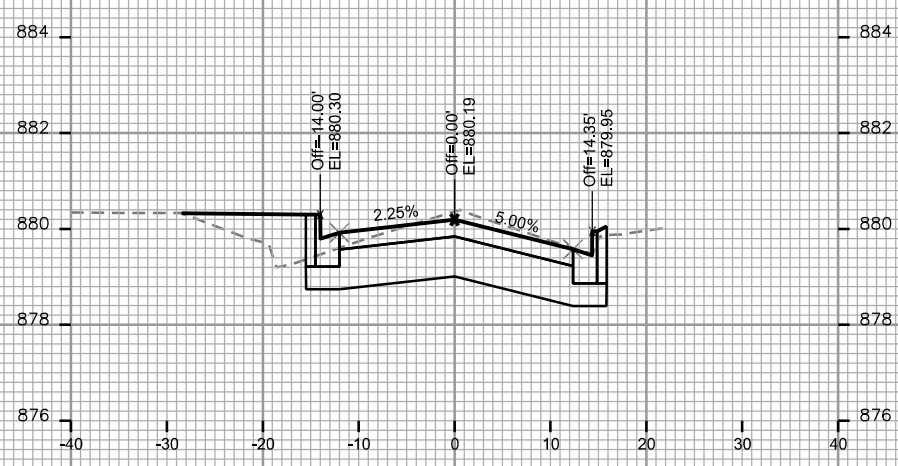
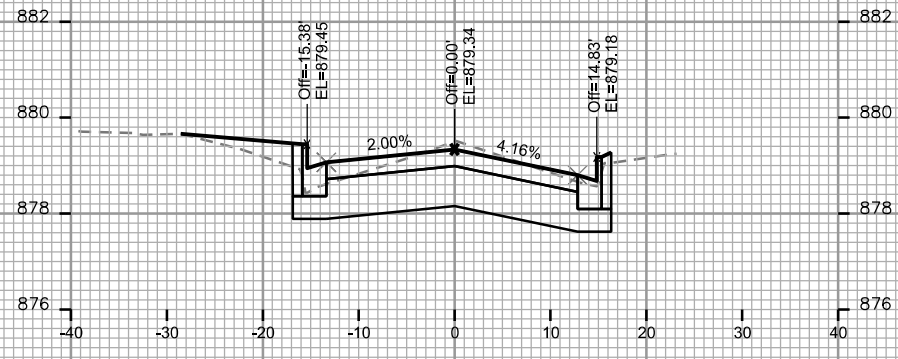
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CROSS SECTIONS

GRAND AVENUE

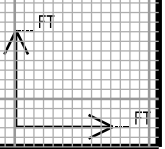
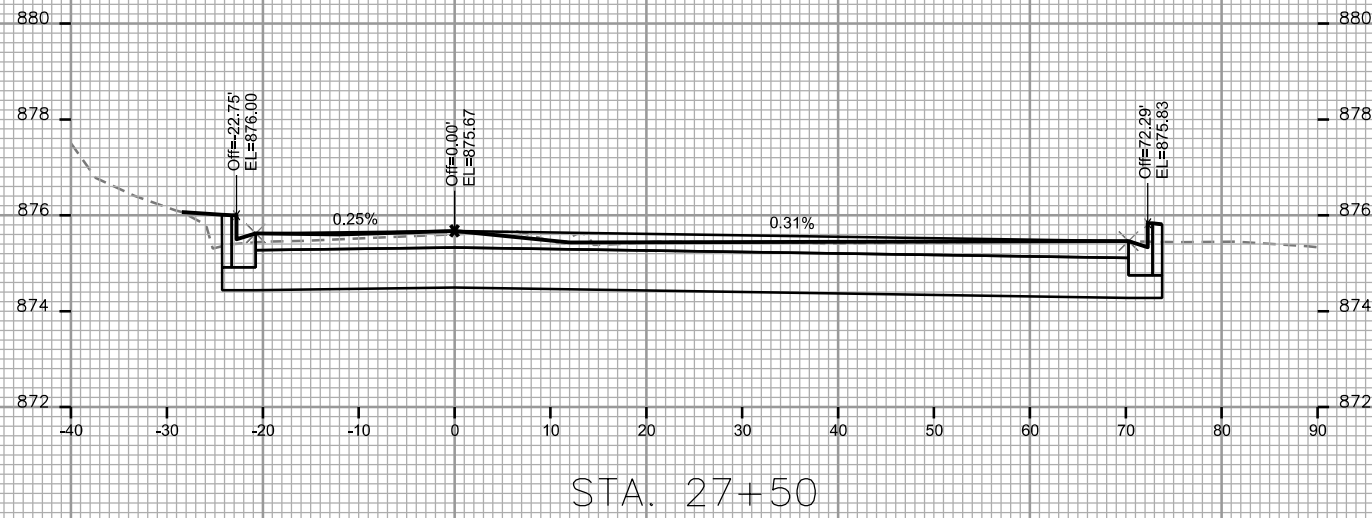
CITY OF MADISON

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

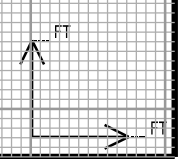
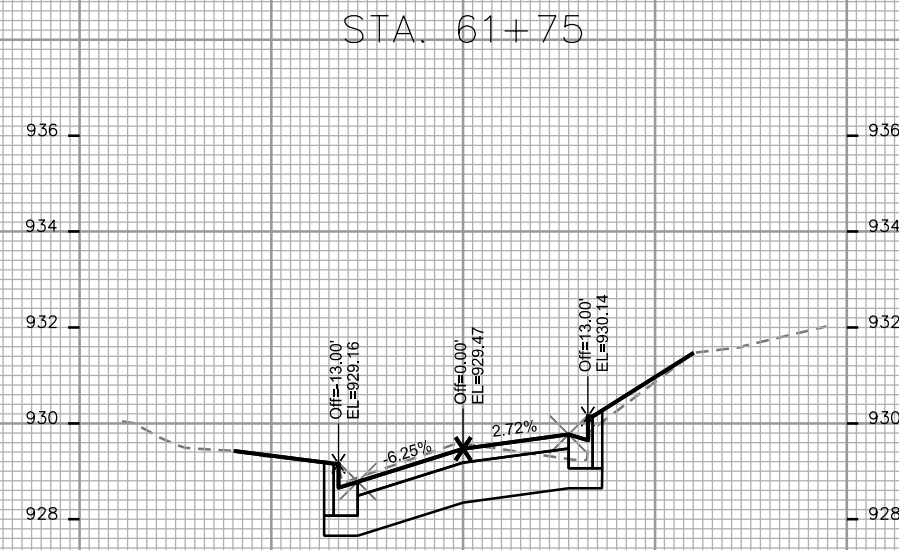
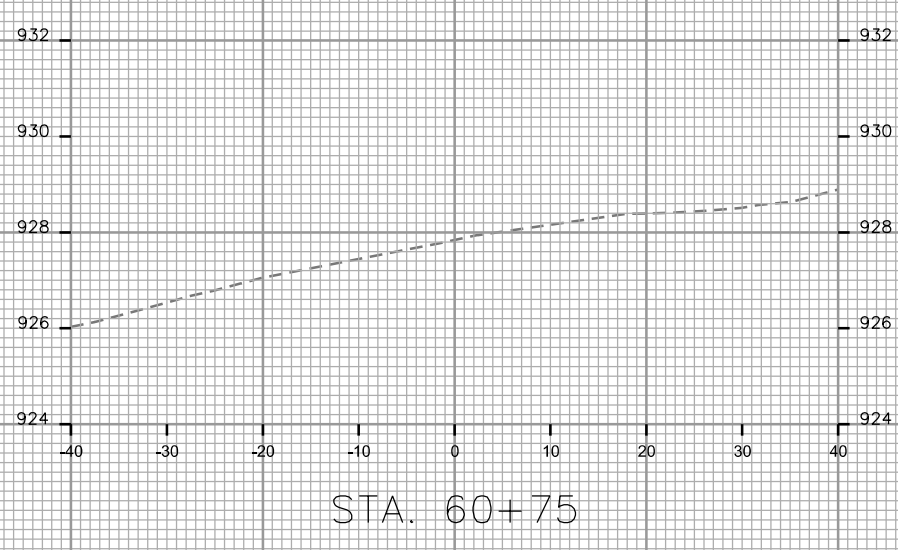
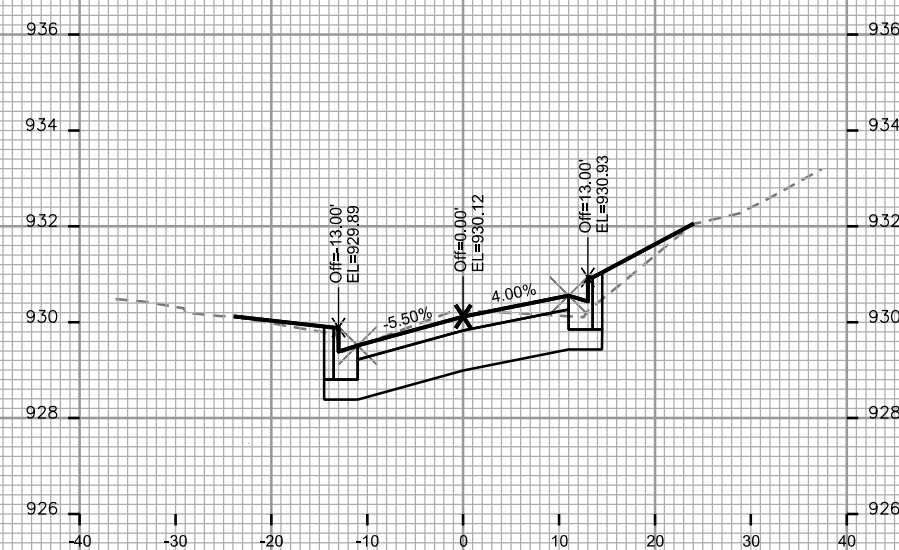
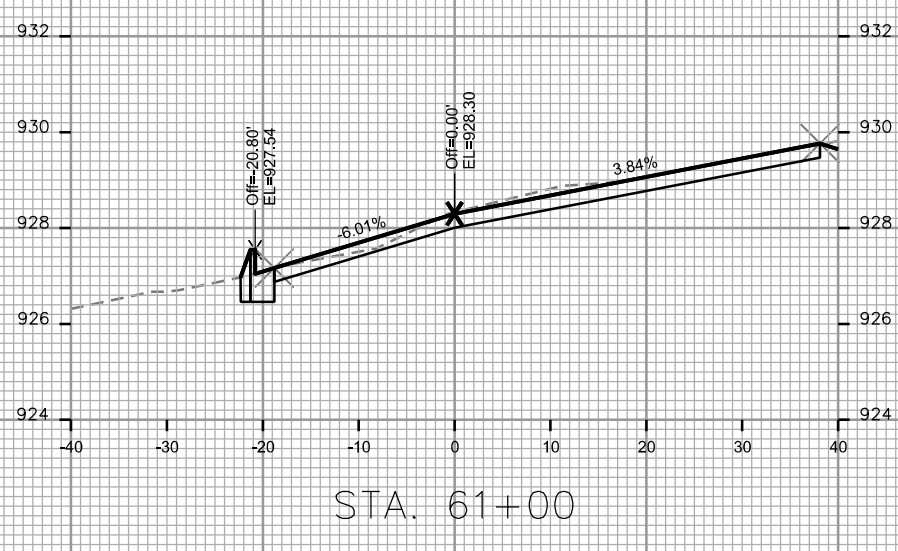
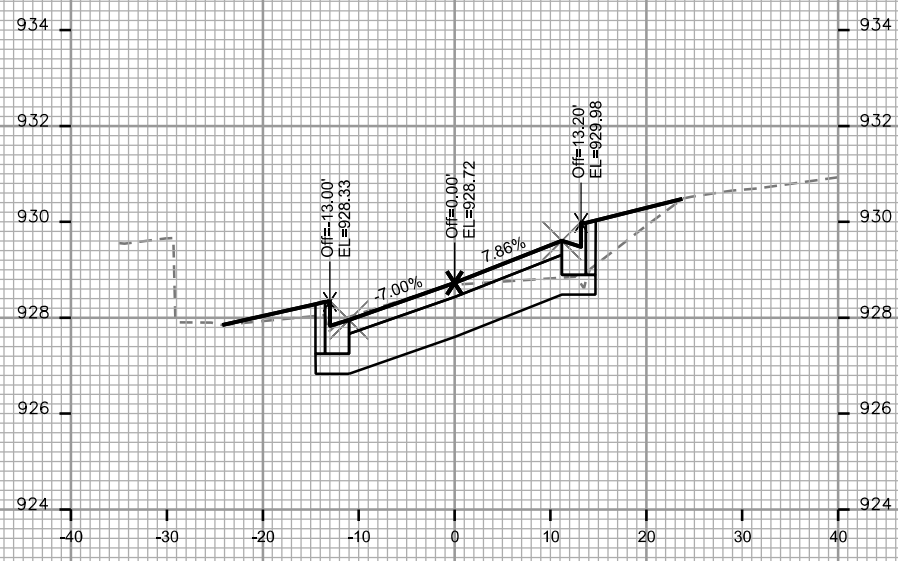


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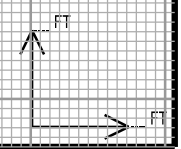
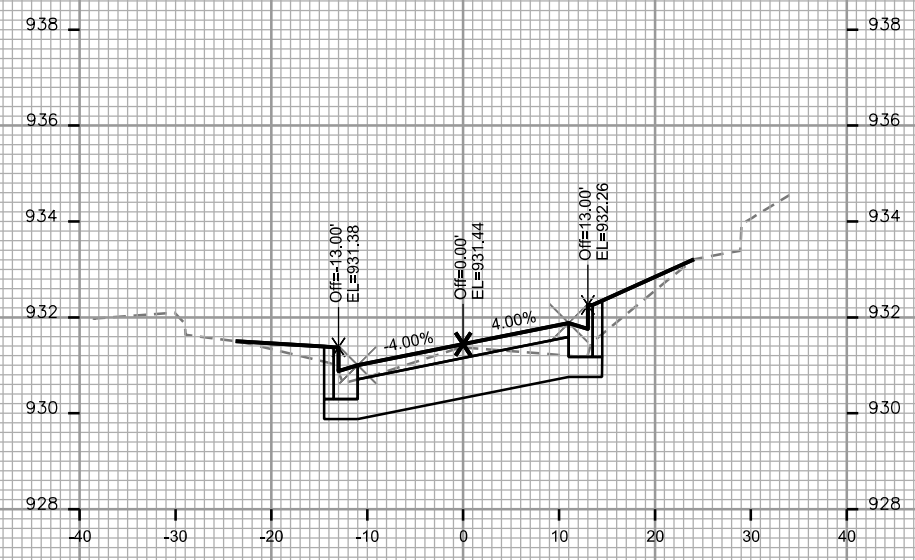
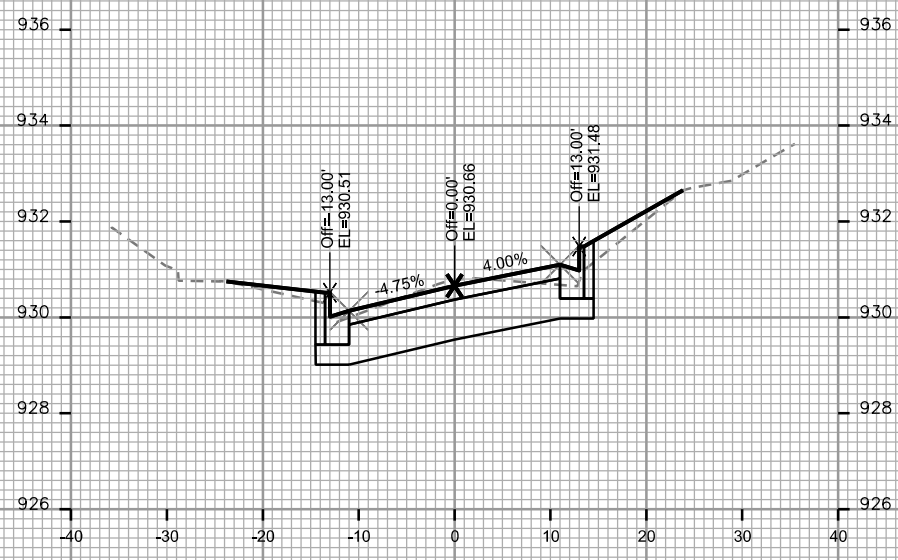
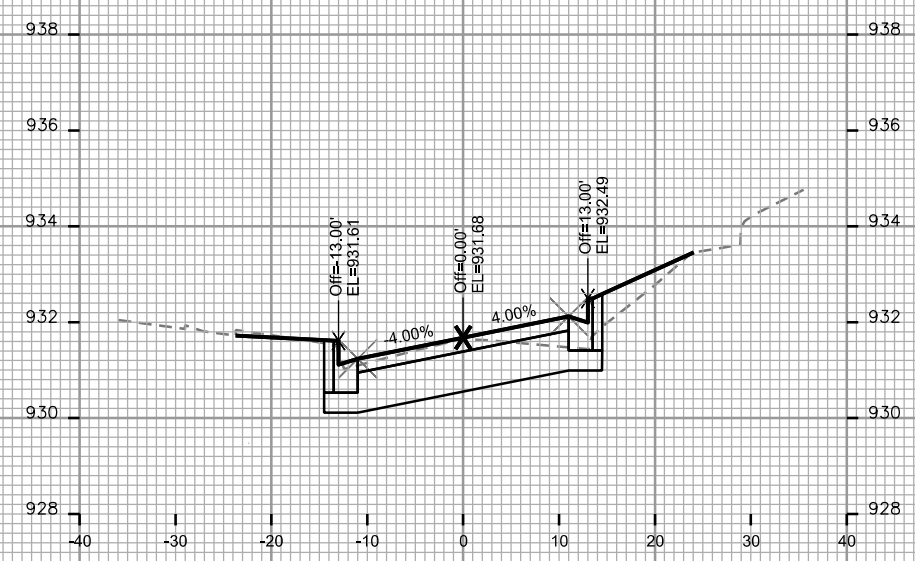
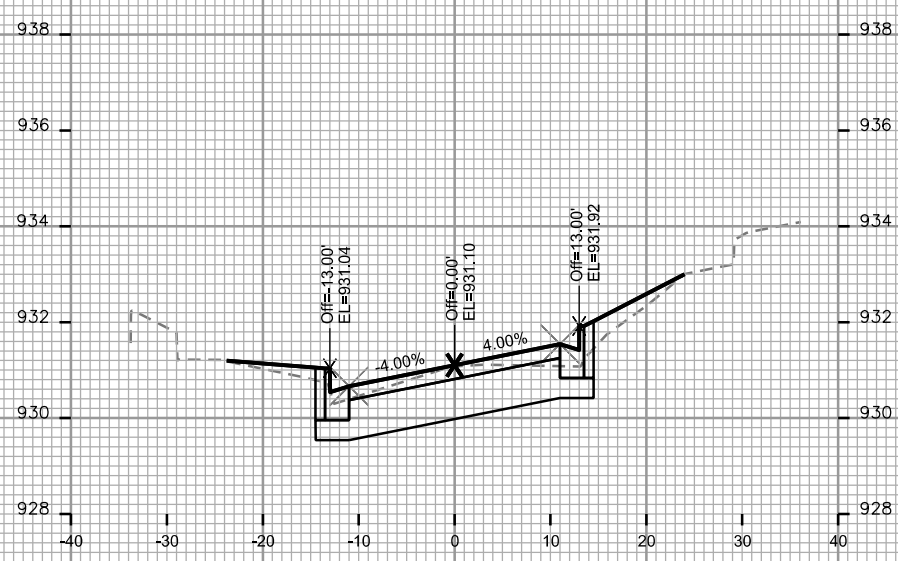


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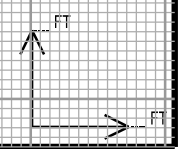
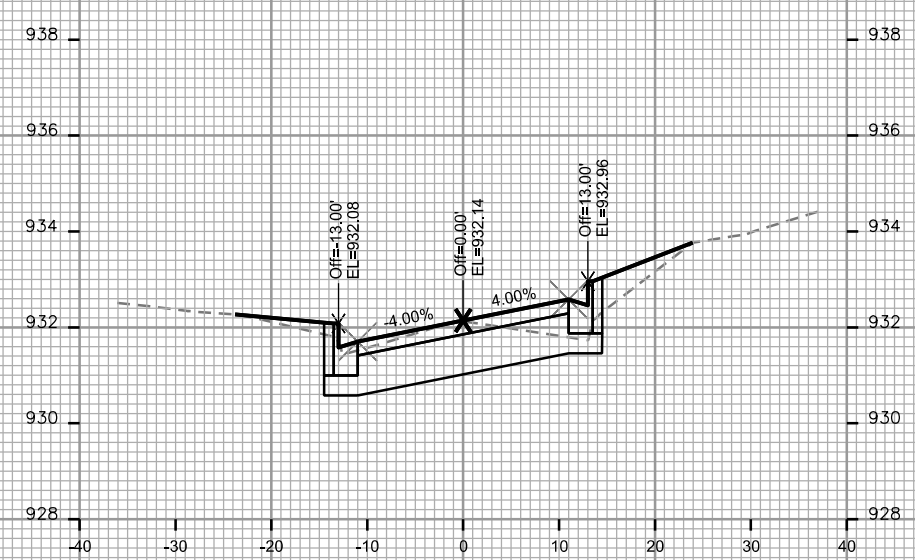
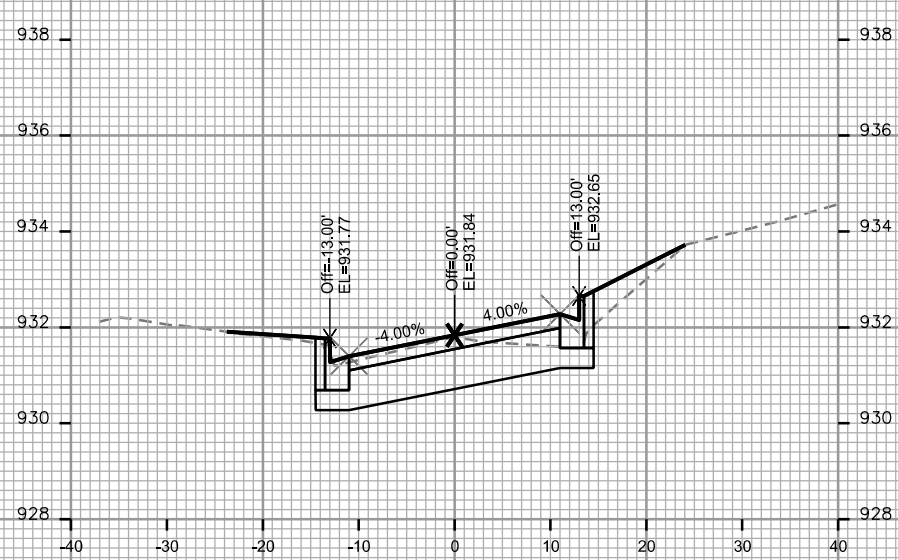
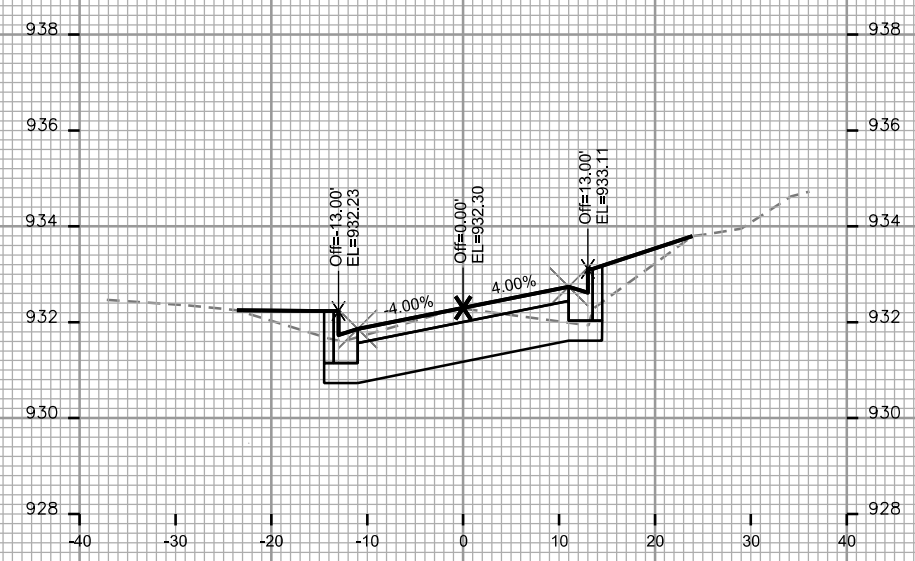
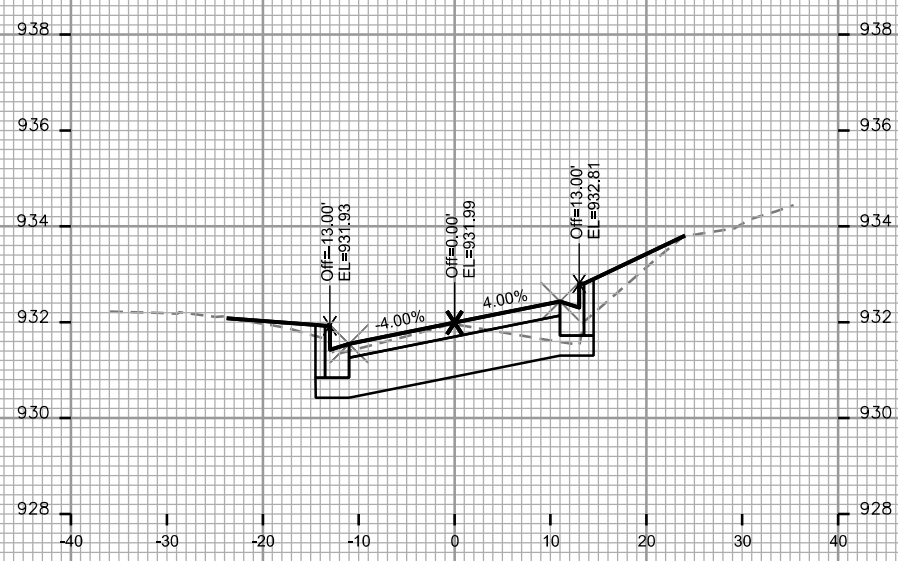


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

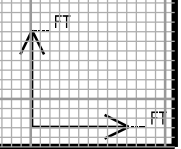
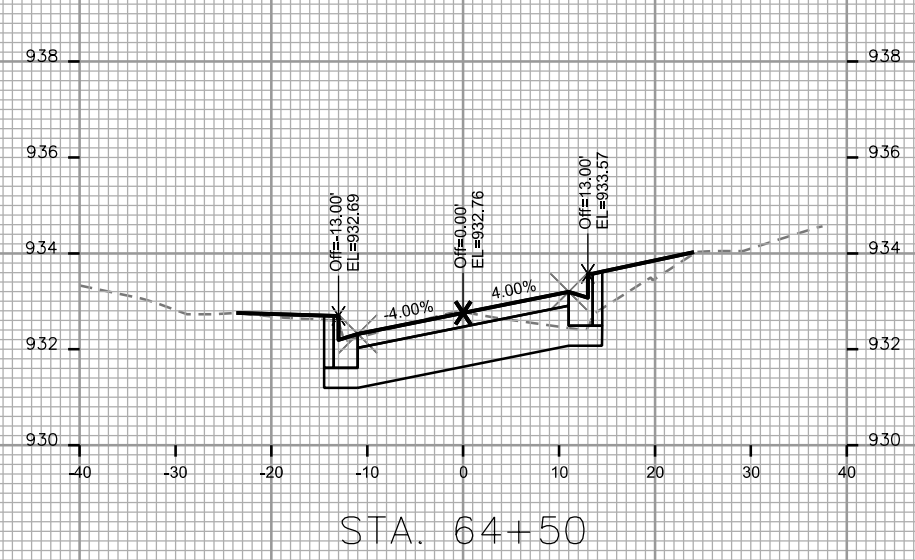
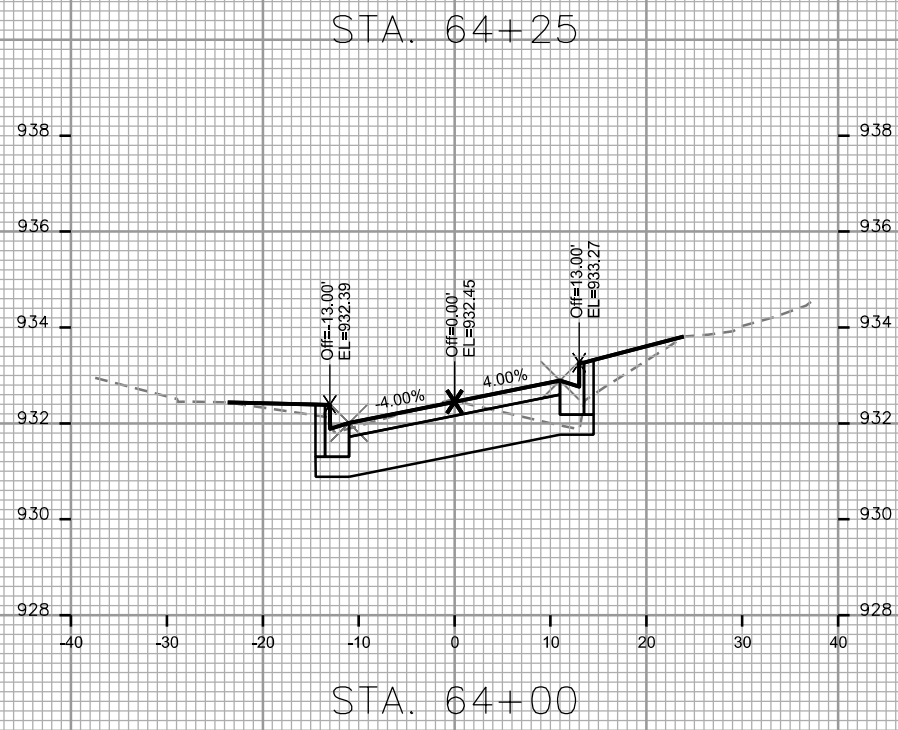
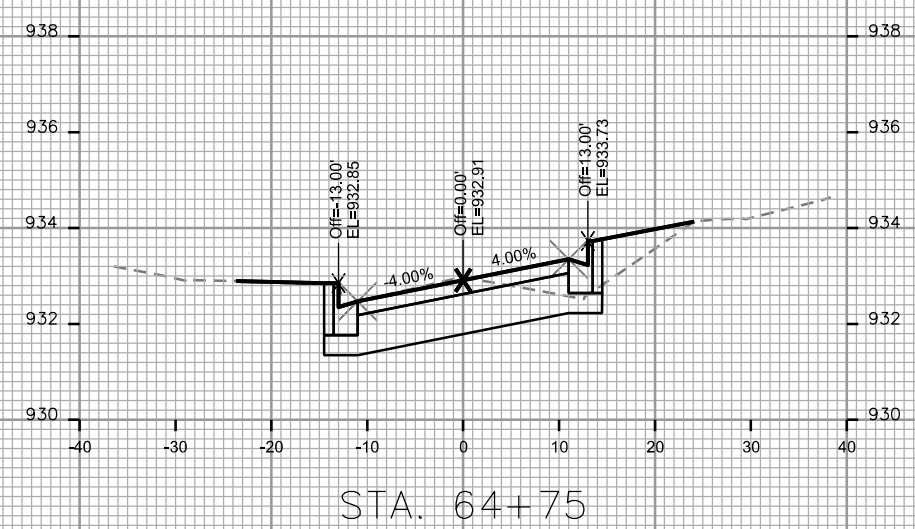
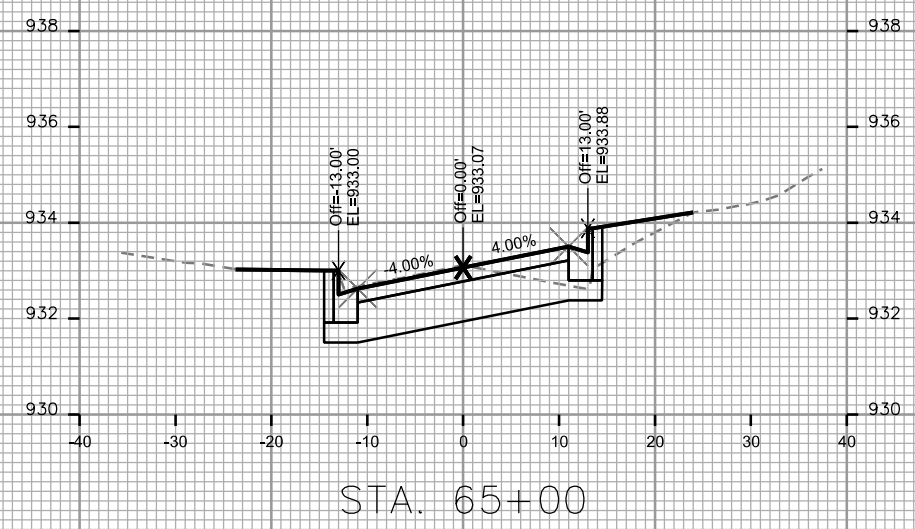
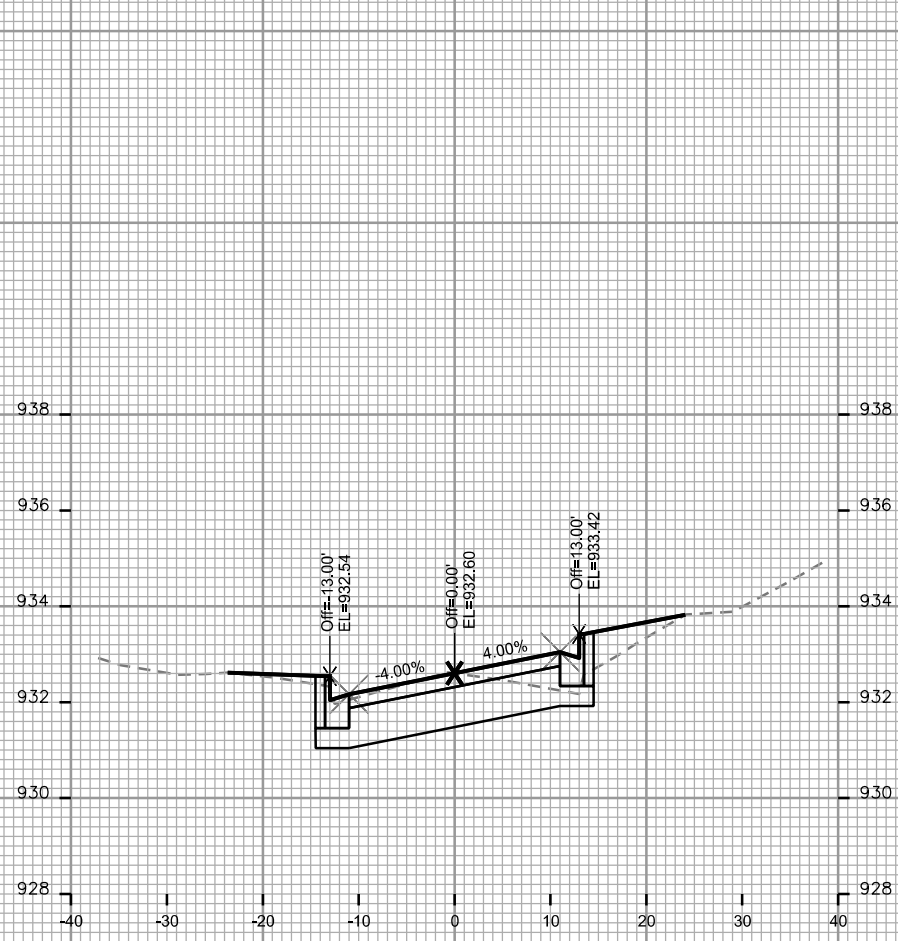


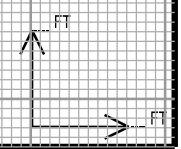
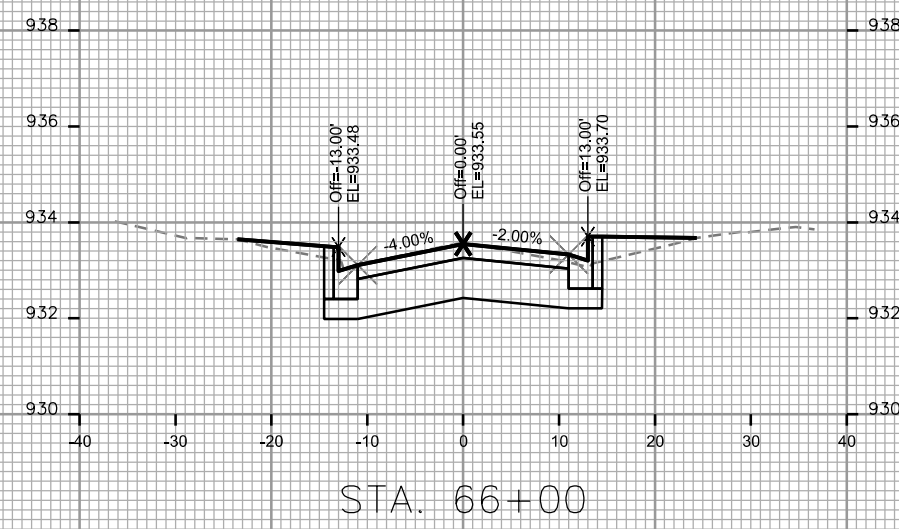
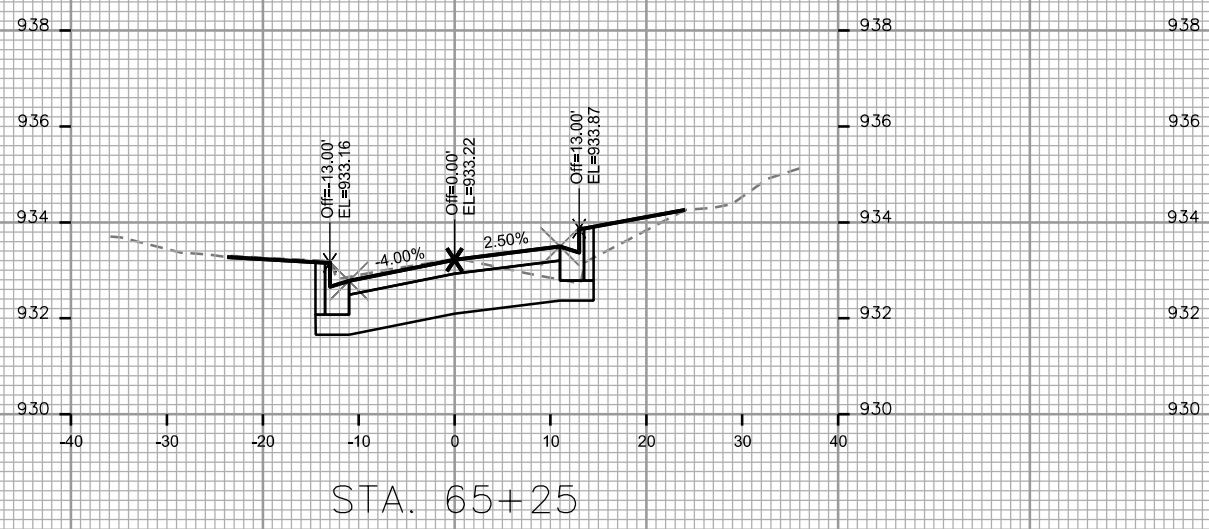
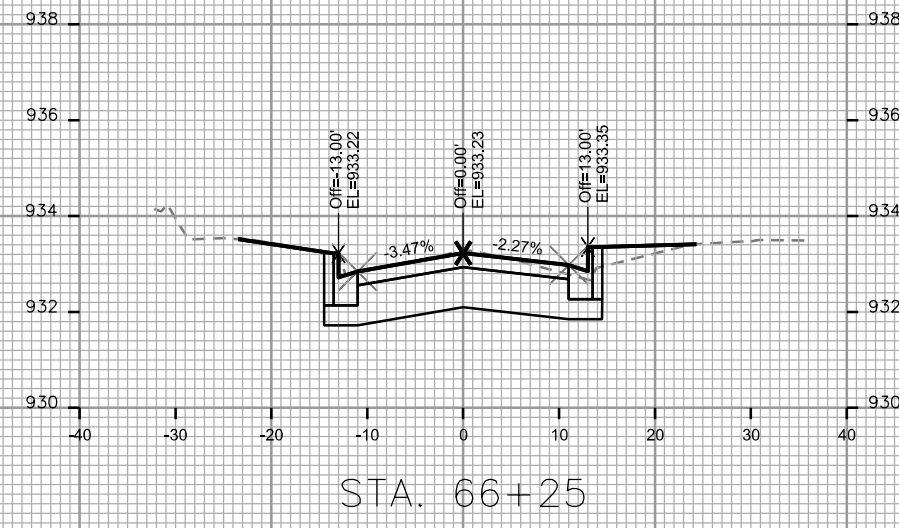
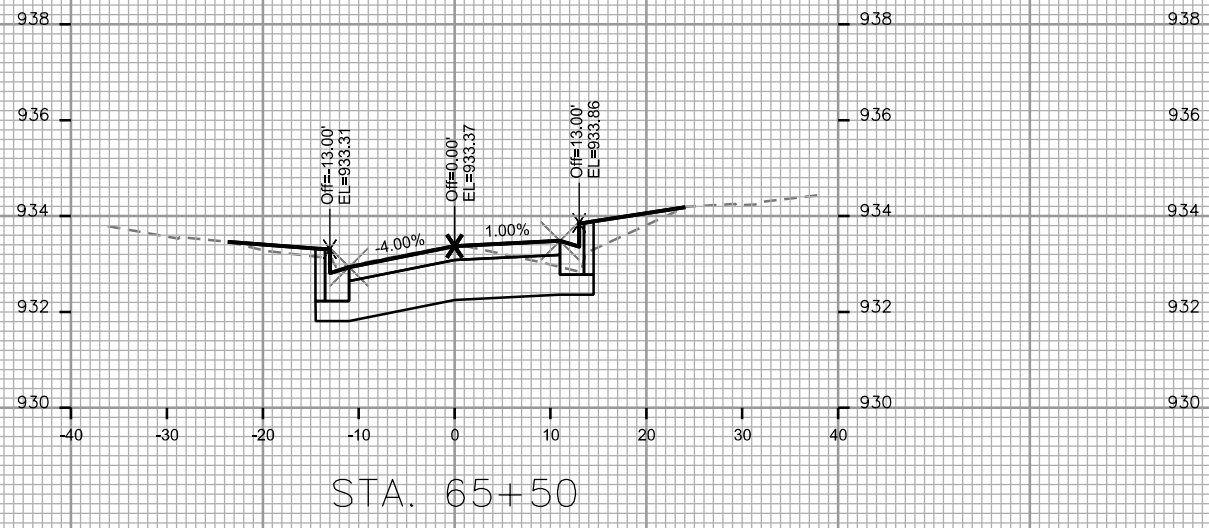
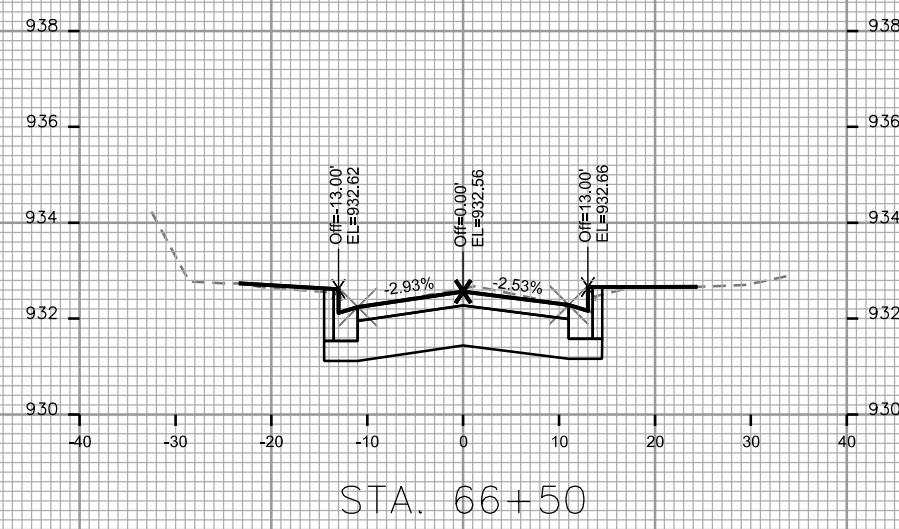
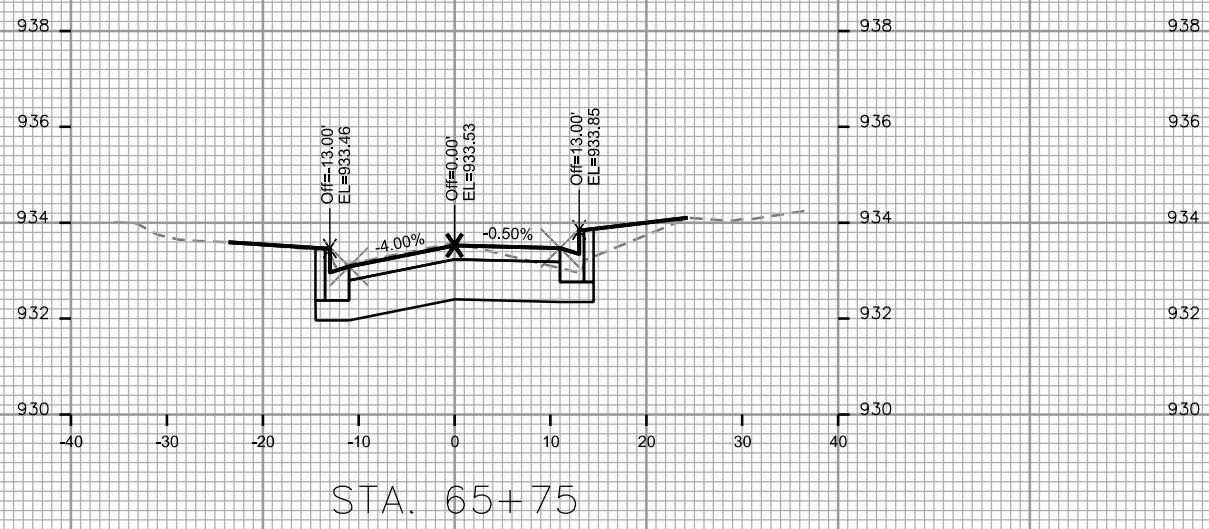
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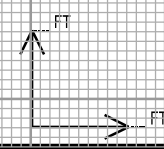
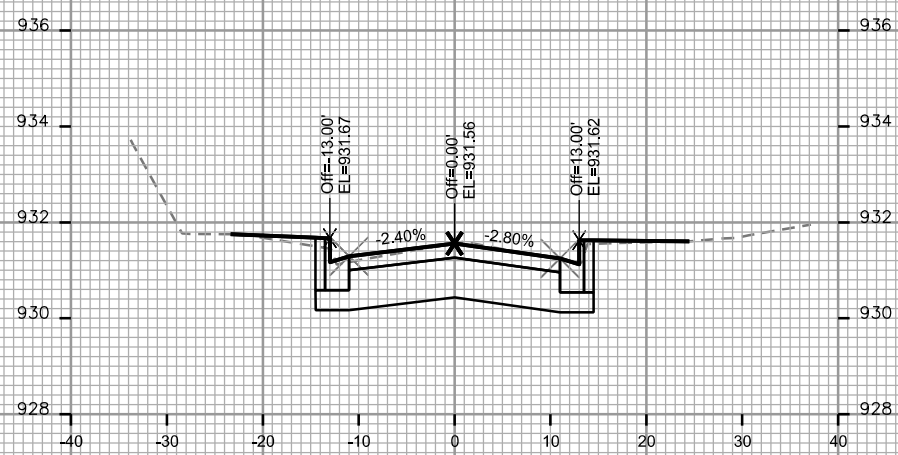
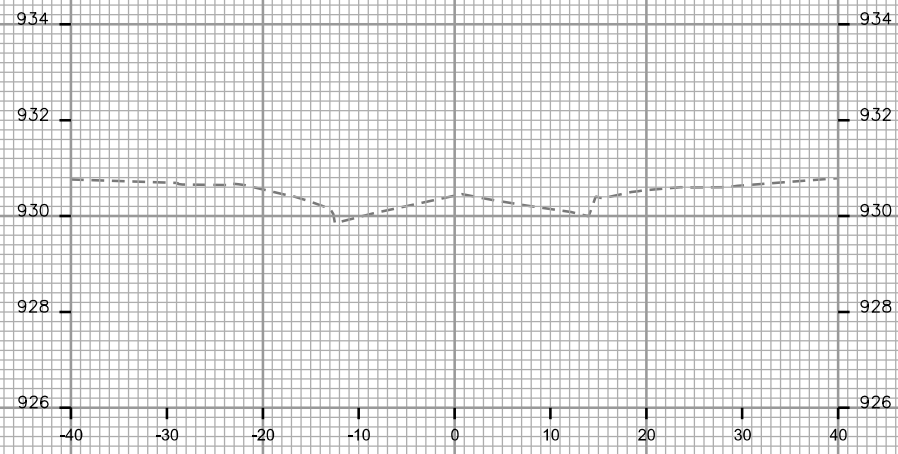
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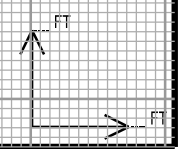
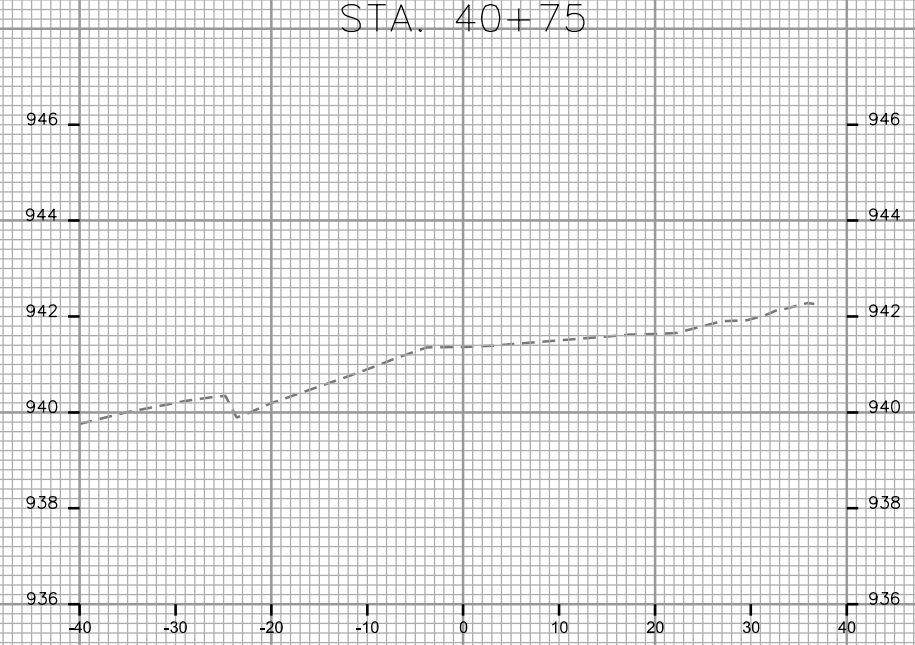
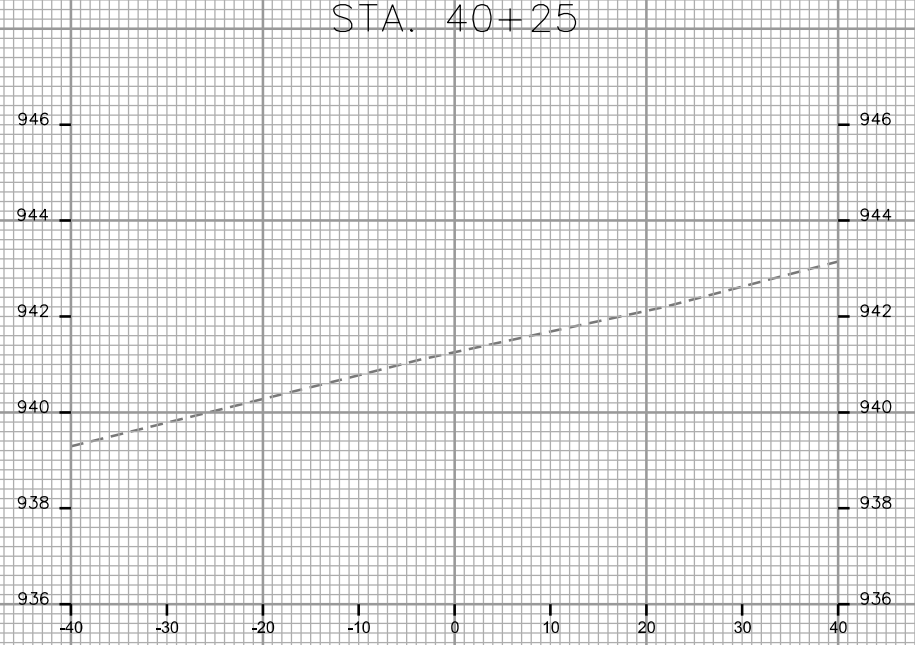
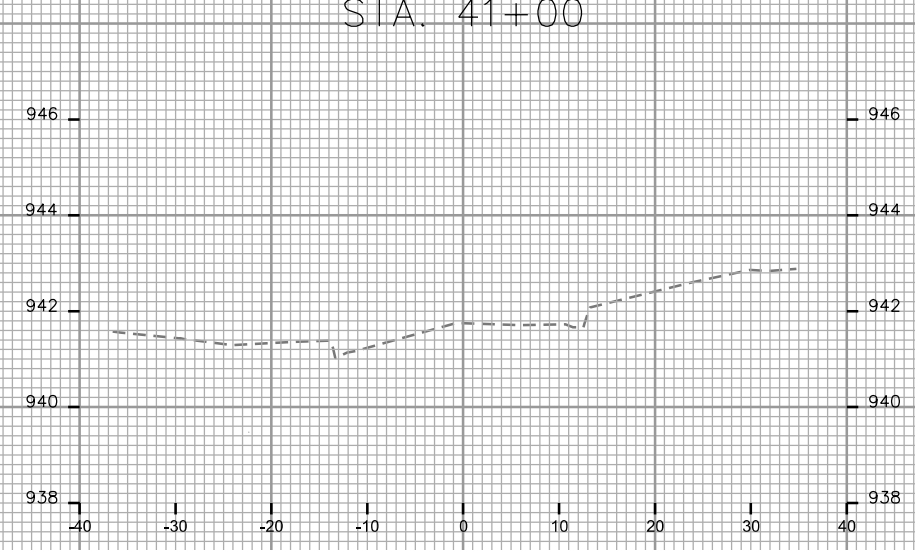
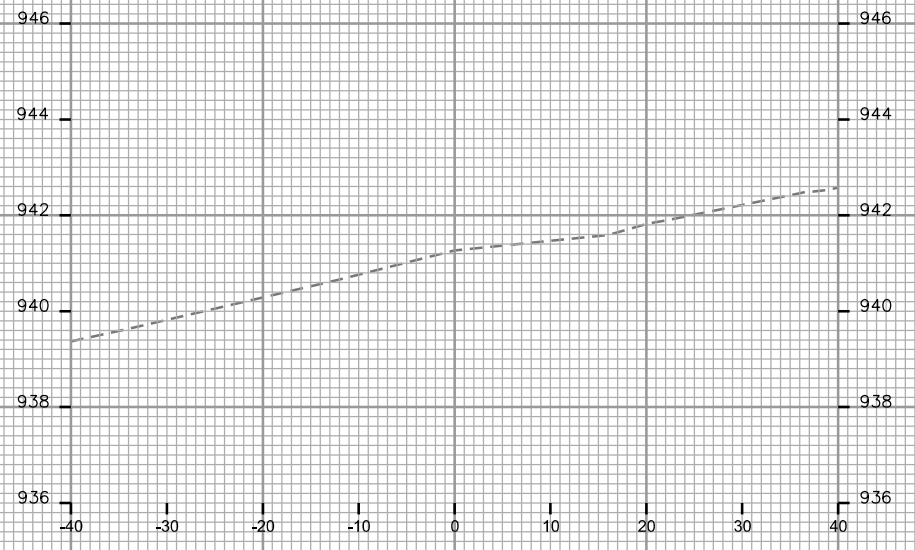
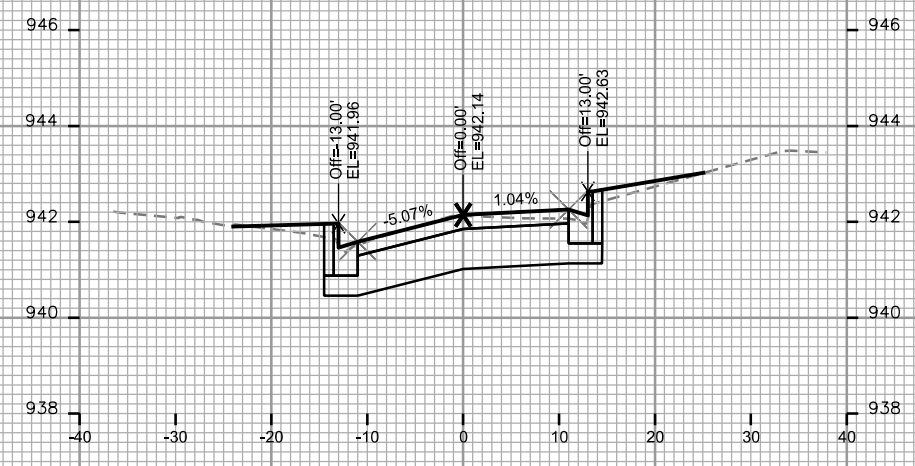
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

PARK PLACE

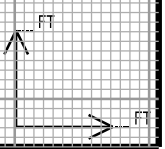
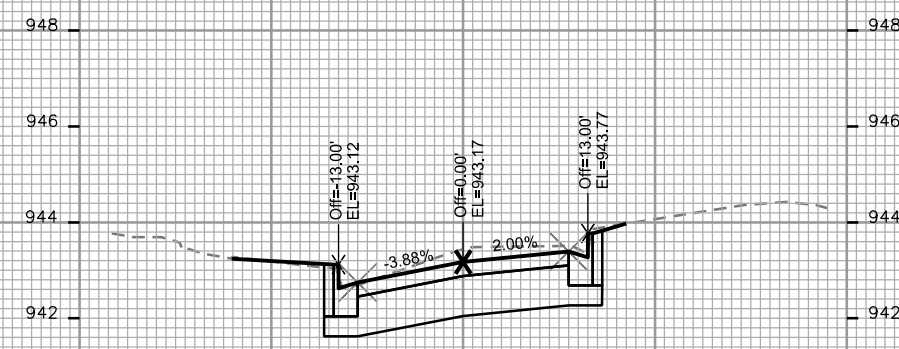
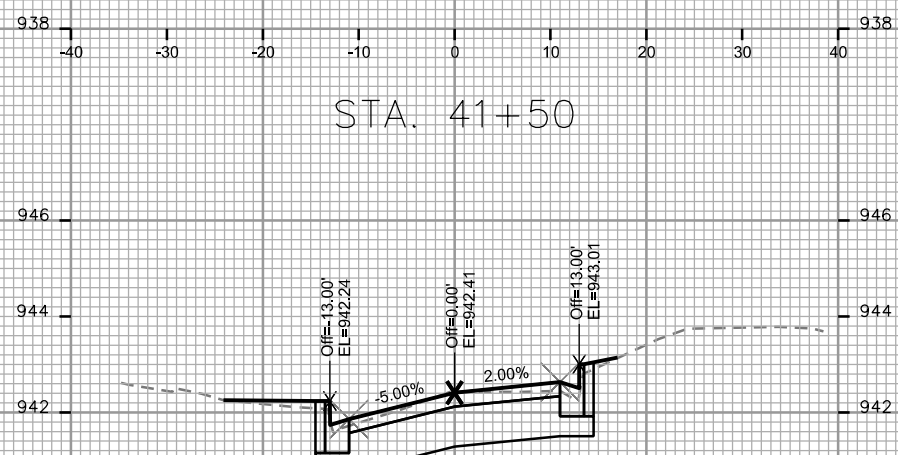
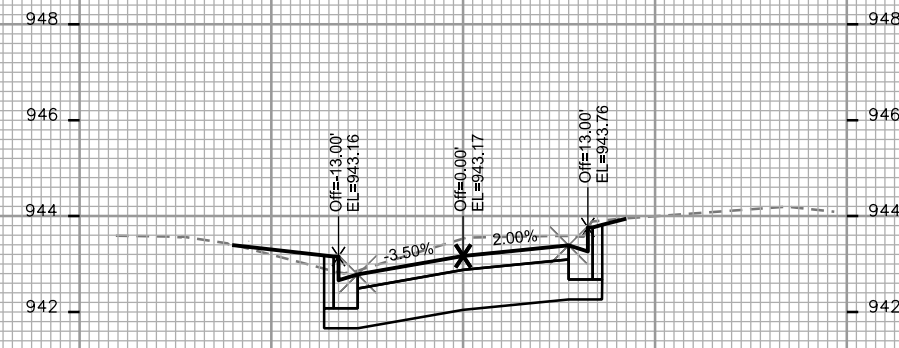
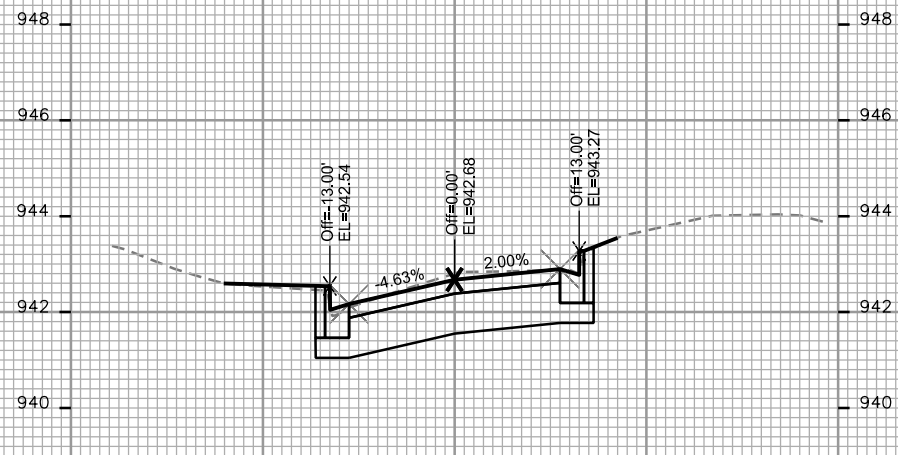
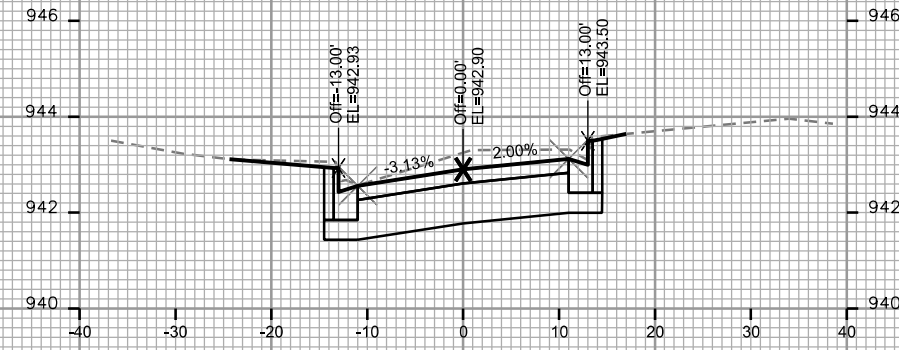
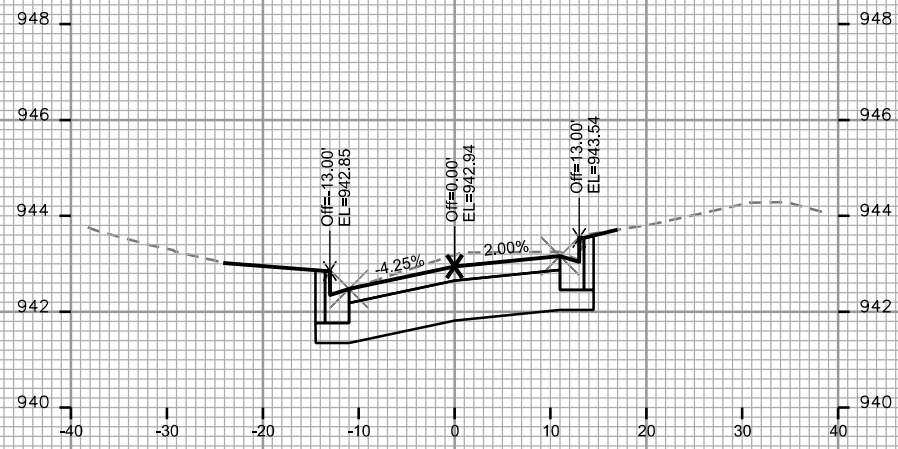
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



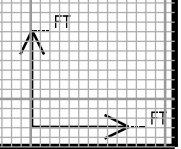
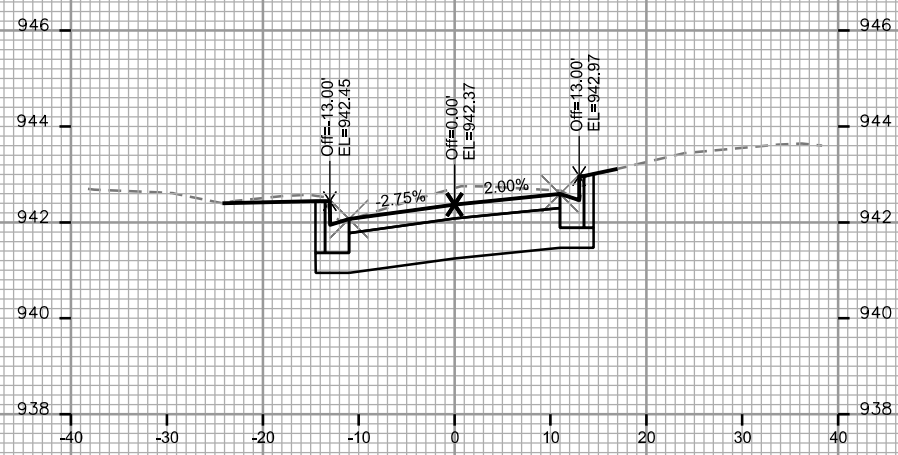
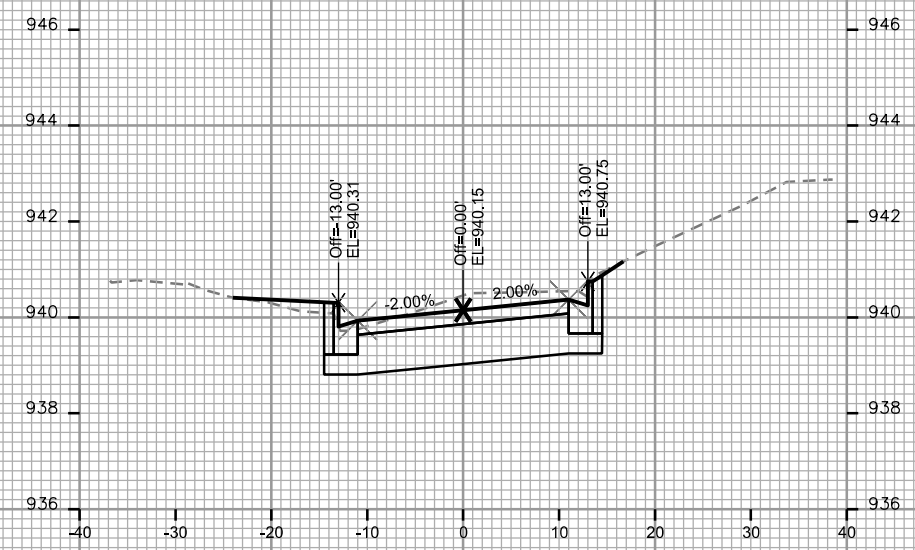
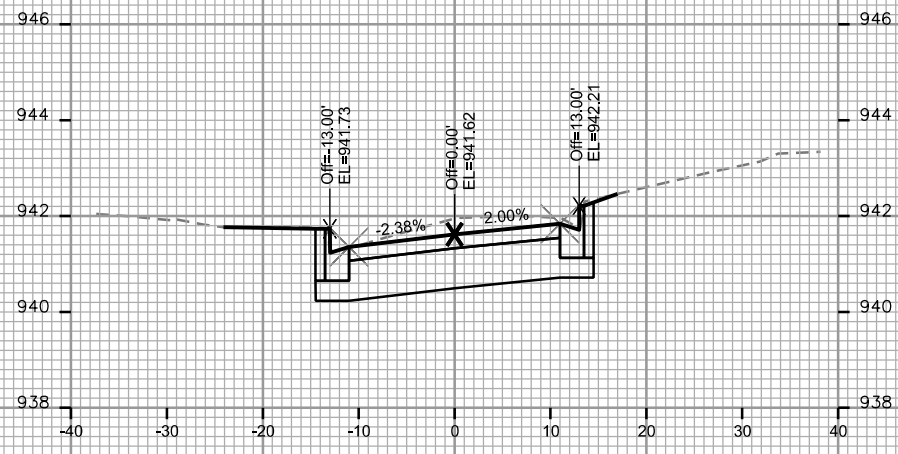
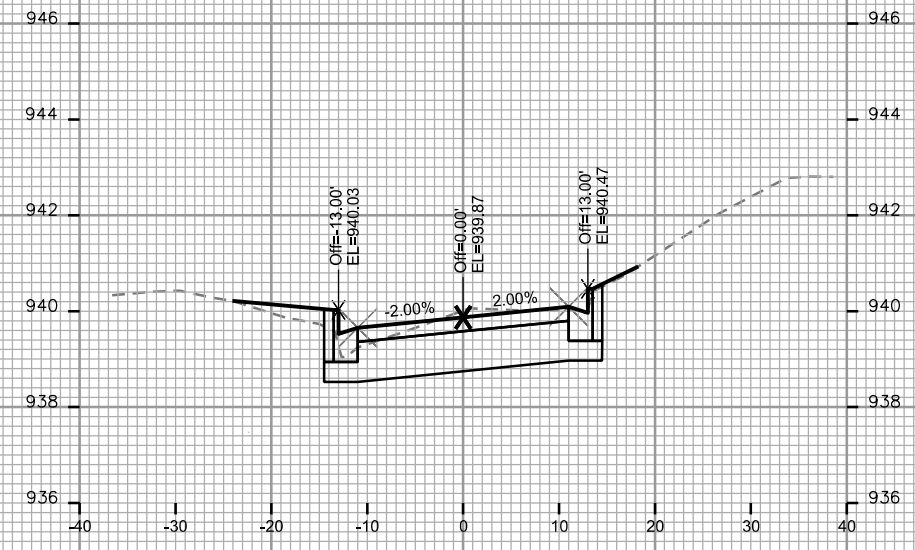
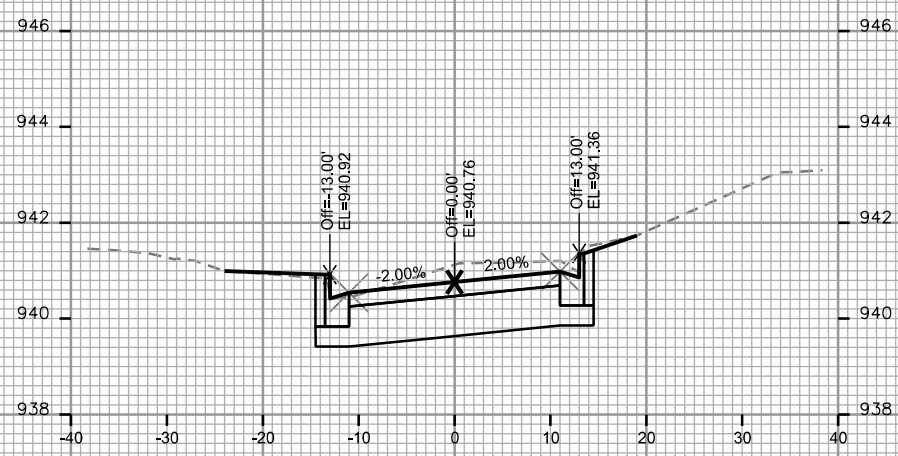
CROSS SECTIONS
 PARK PLACE CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

PARK PLACE

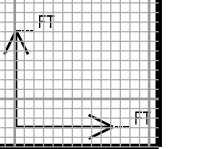
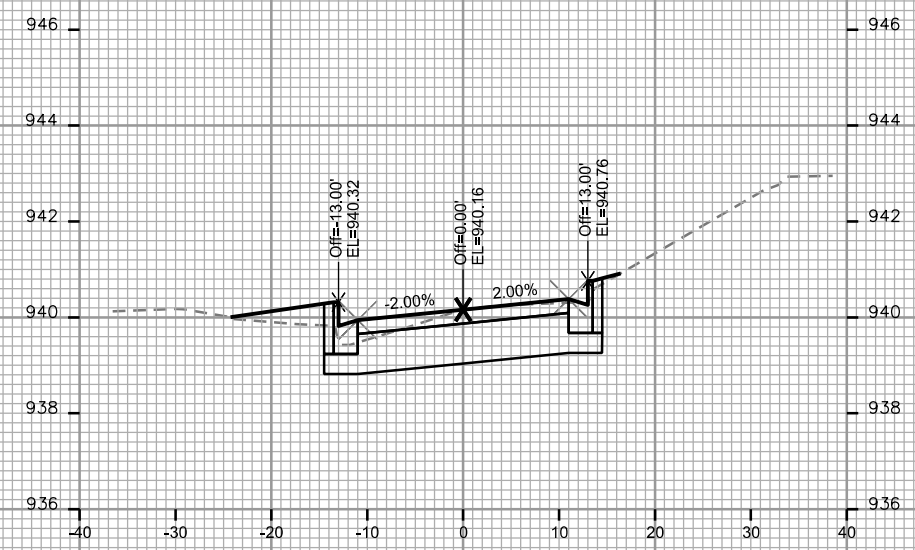
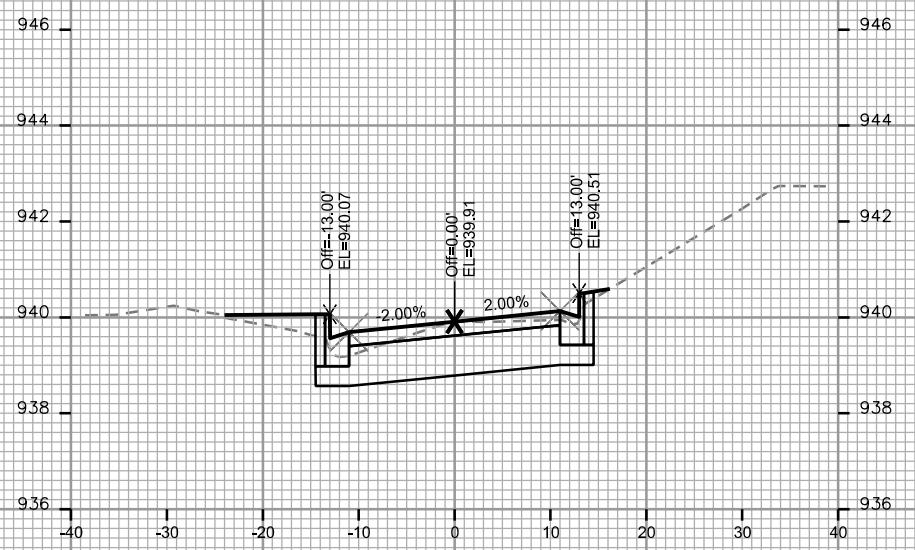
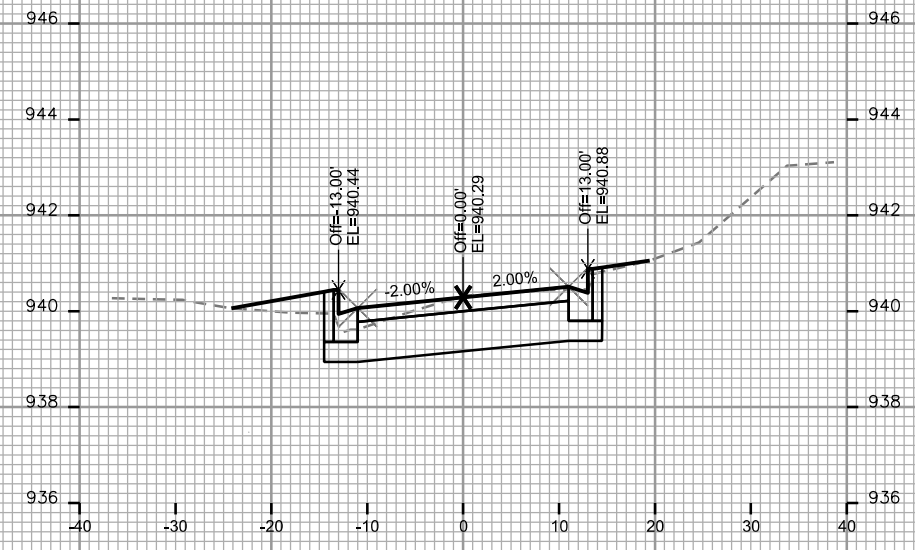
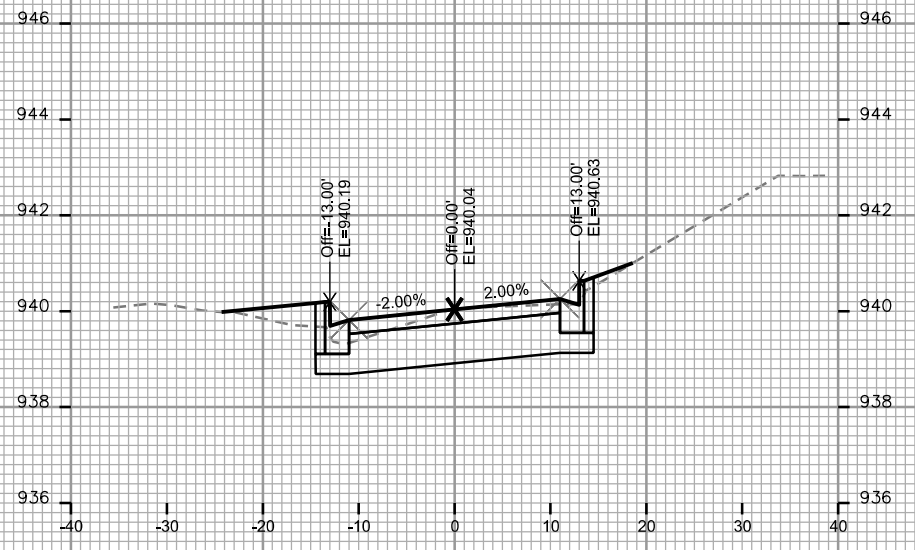
CITY OF MADISON

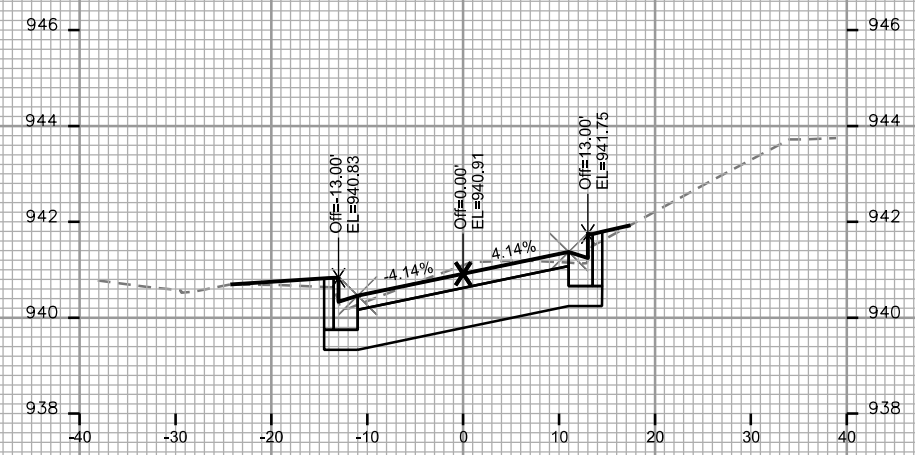
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PLOT NAME: _____

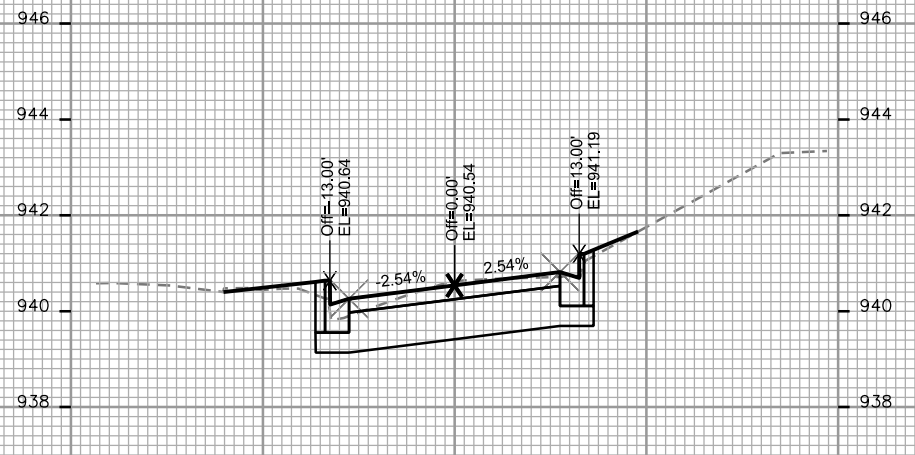
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

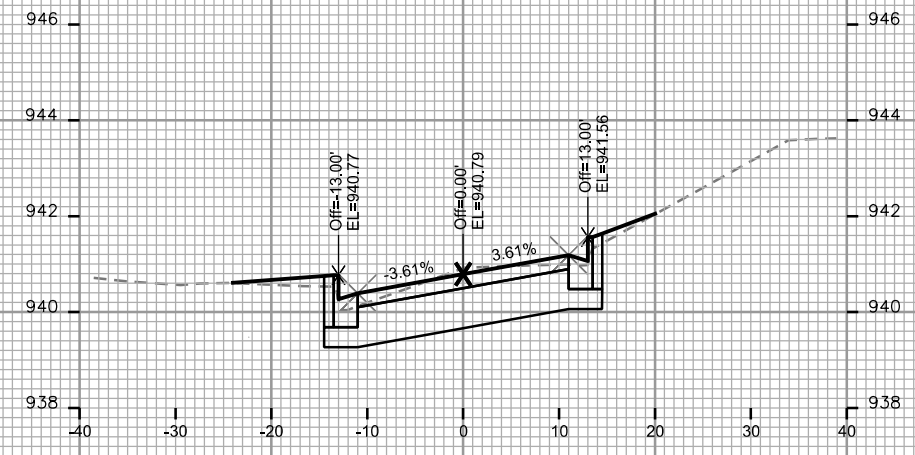




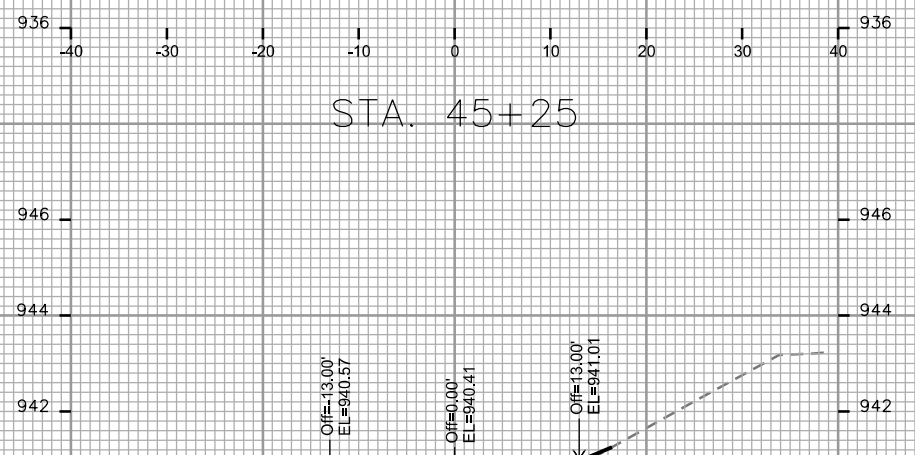
STA. 46+00



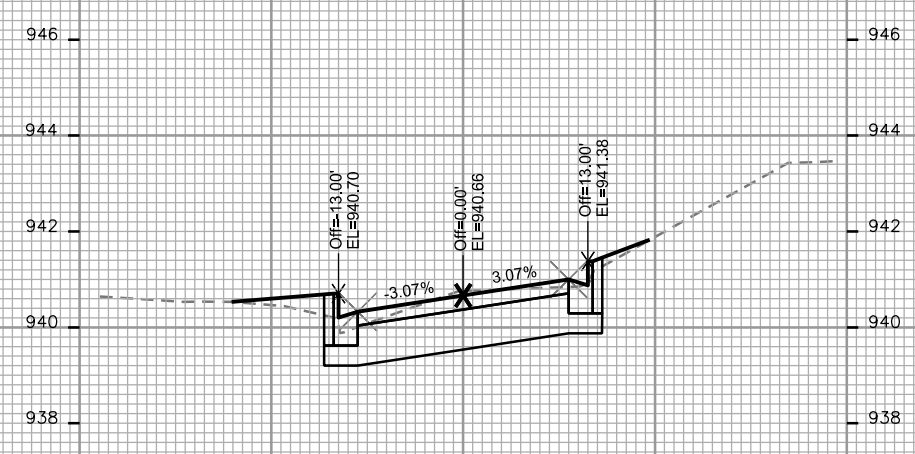
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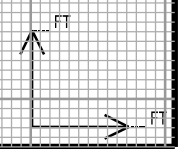
STA. 45+75



STA. 45+00



STA. 45+50



PLOT SCALE: _____

PLOT NAME: _____

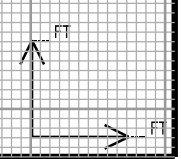
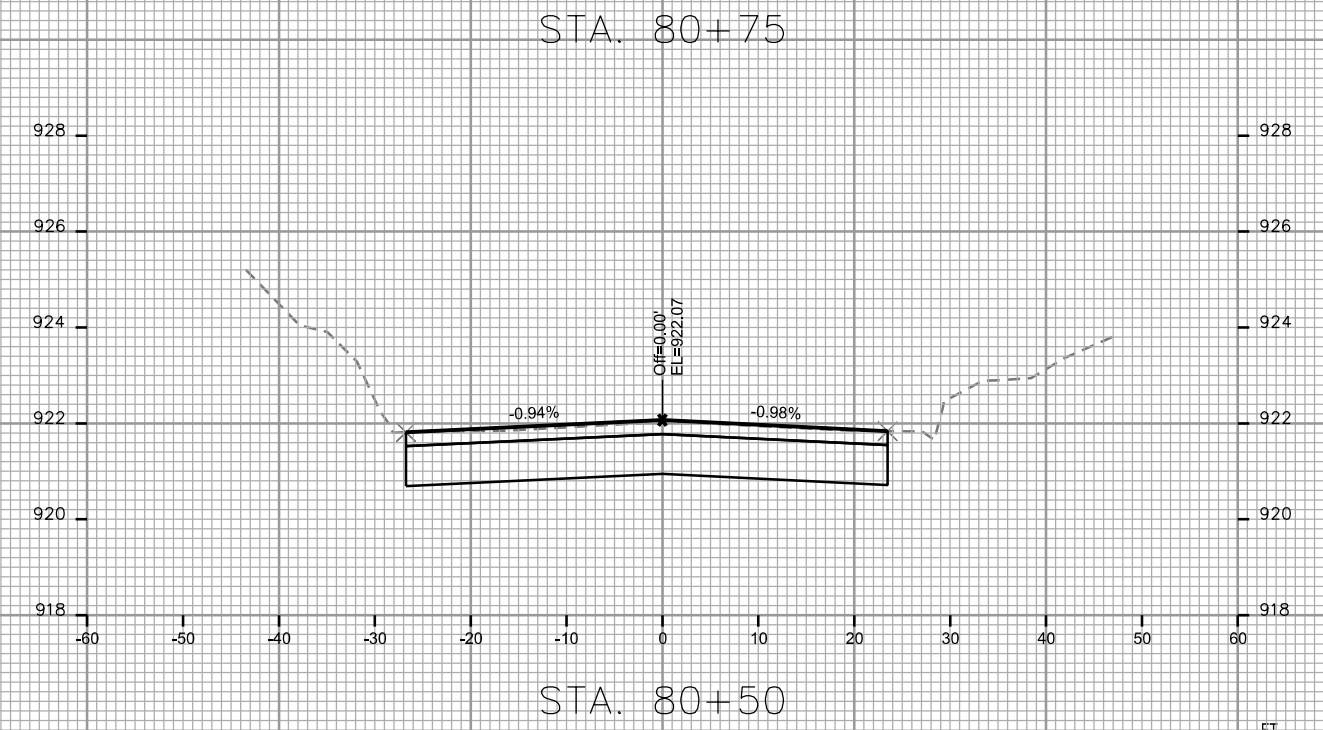
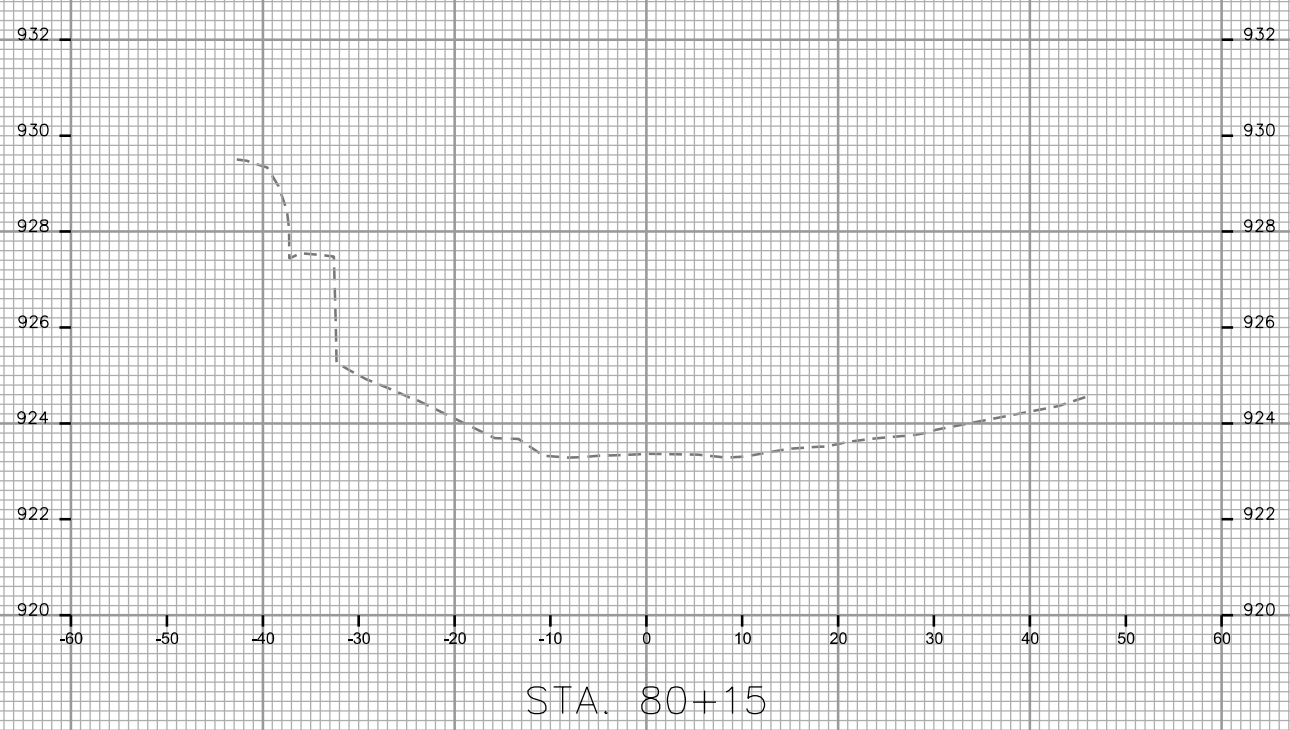
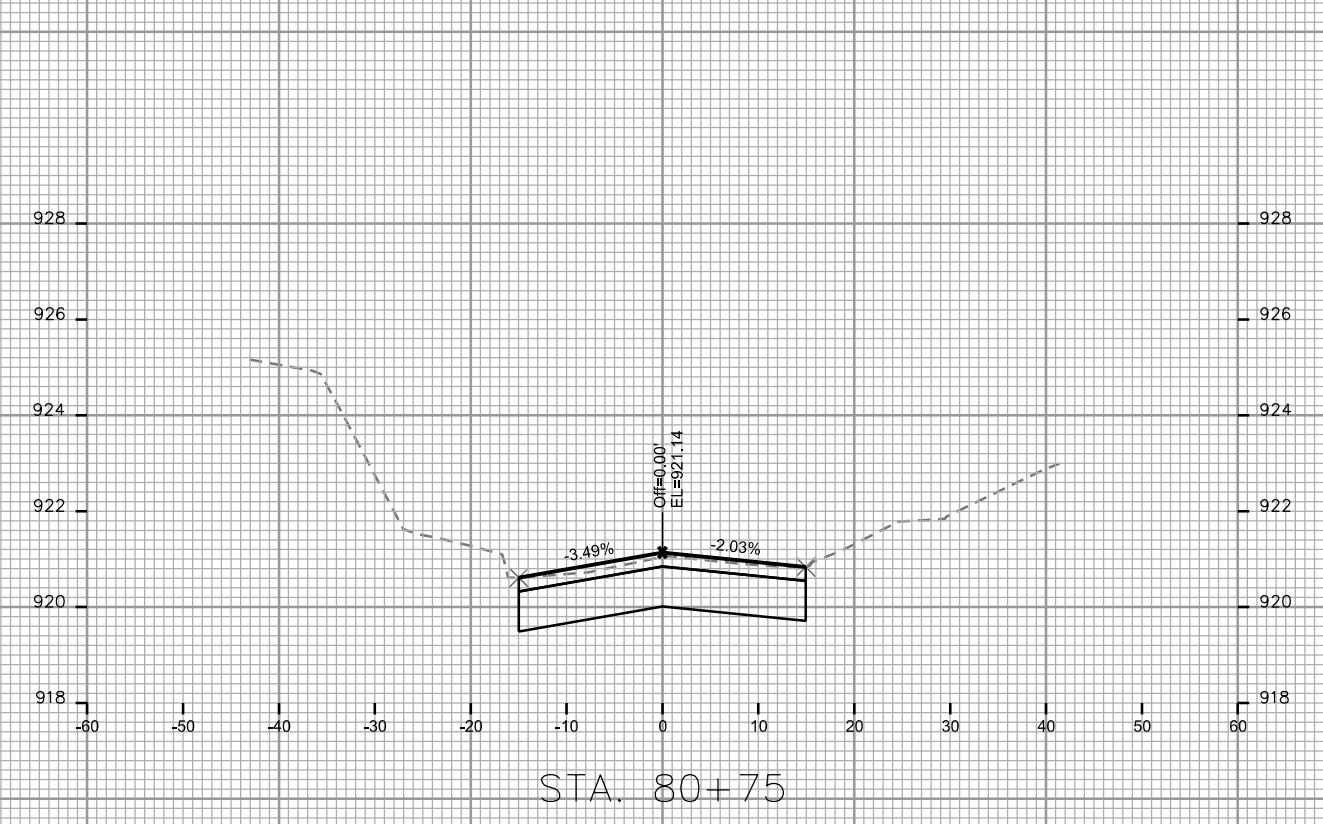
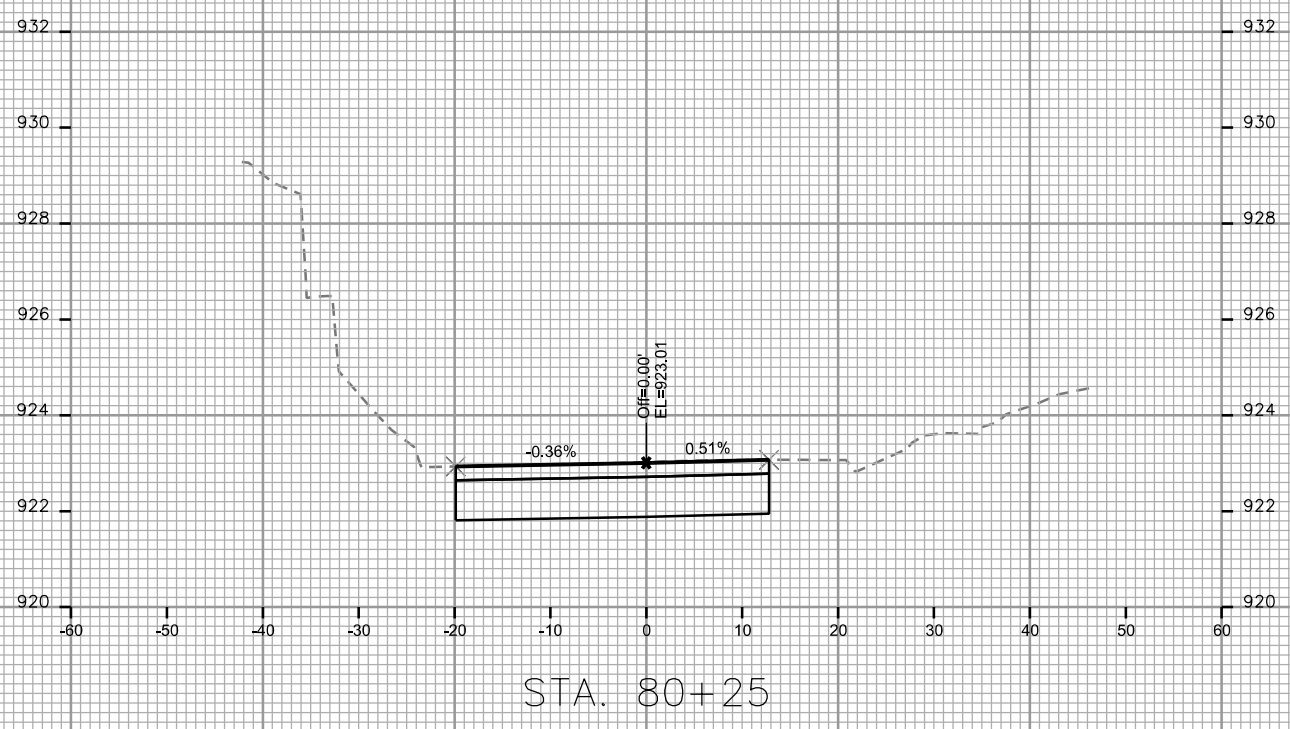
REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

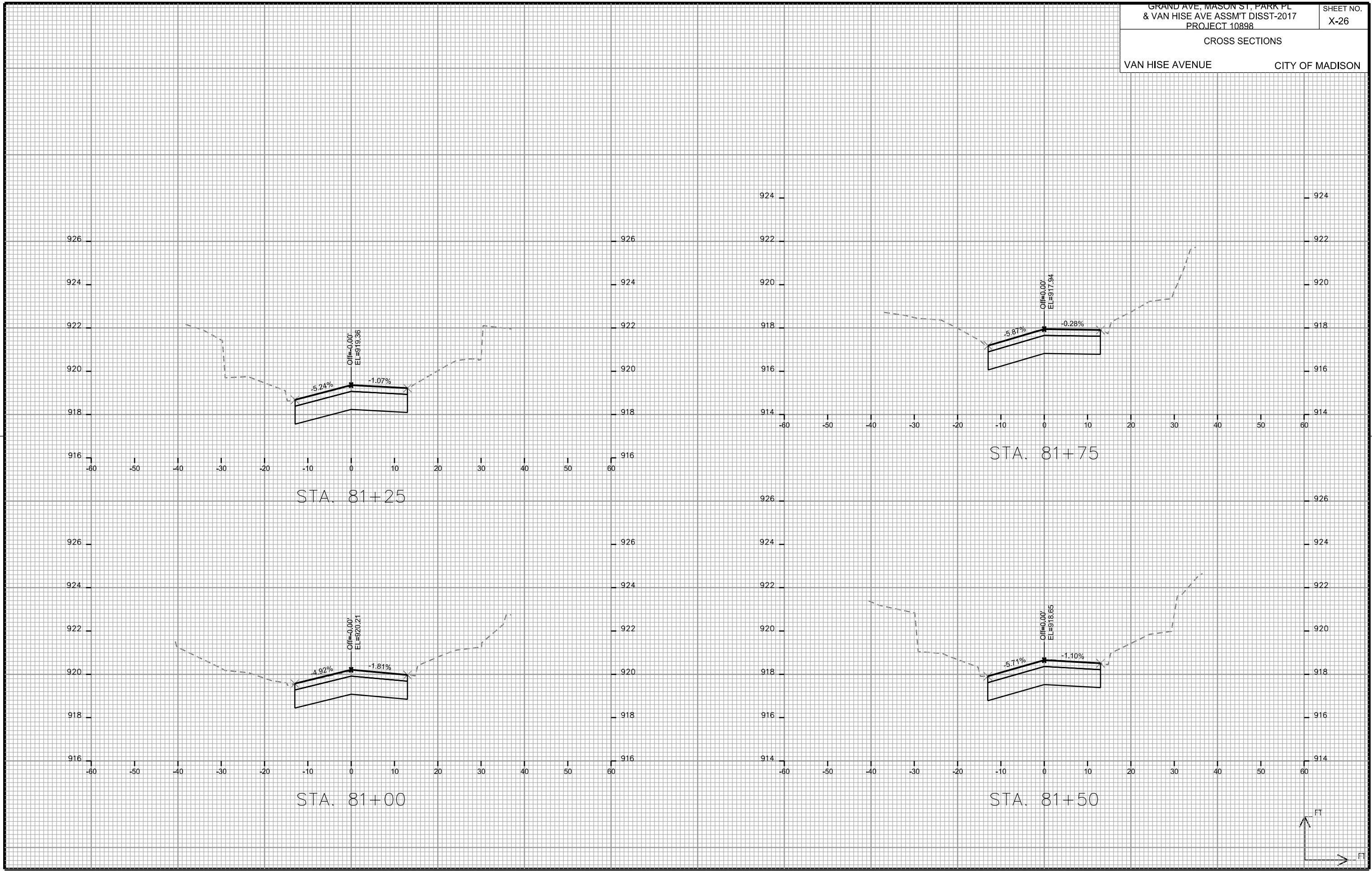


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

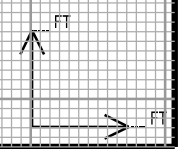
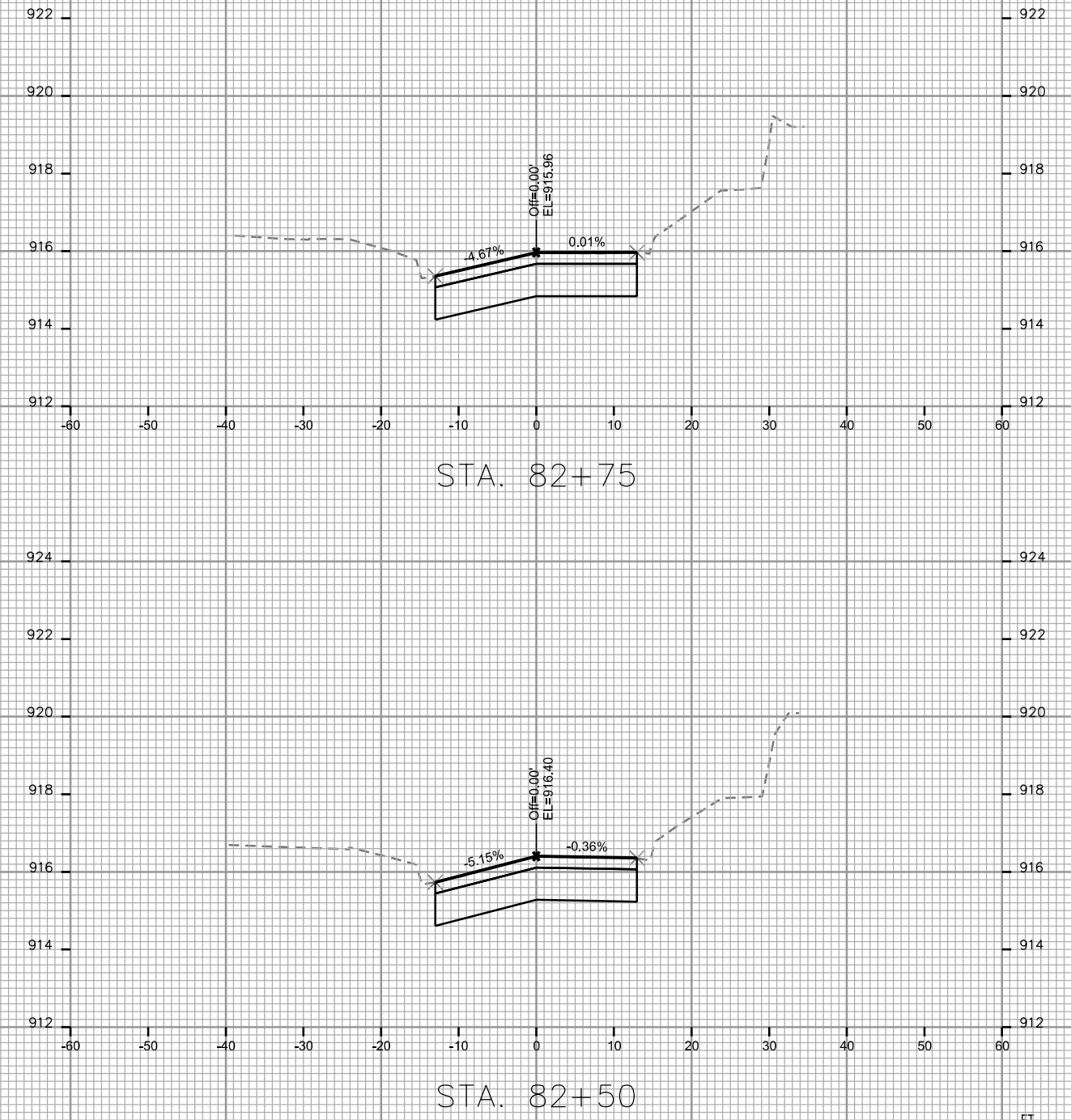
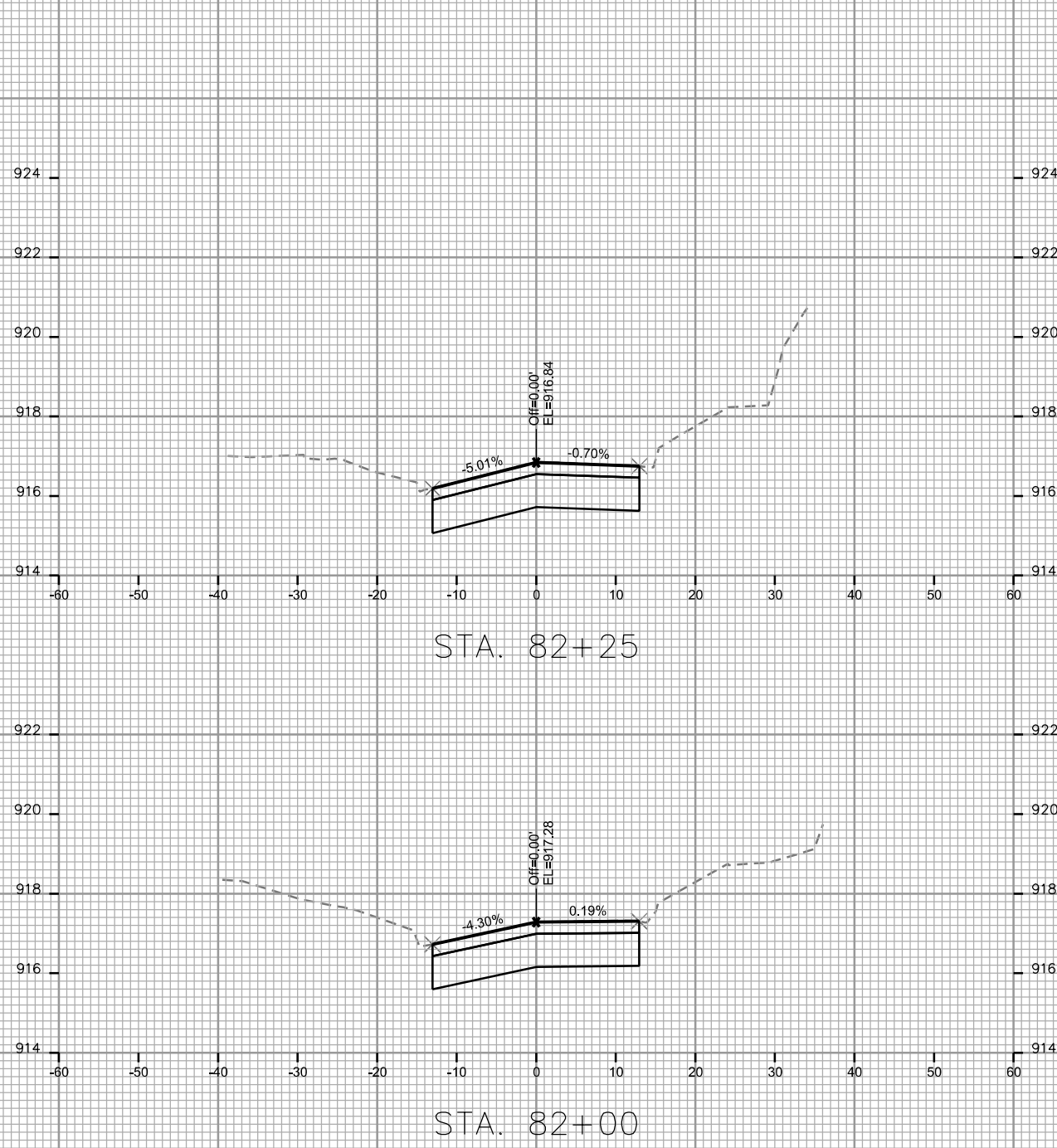


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

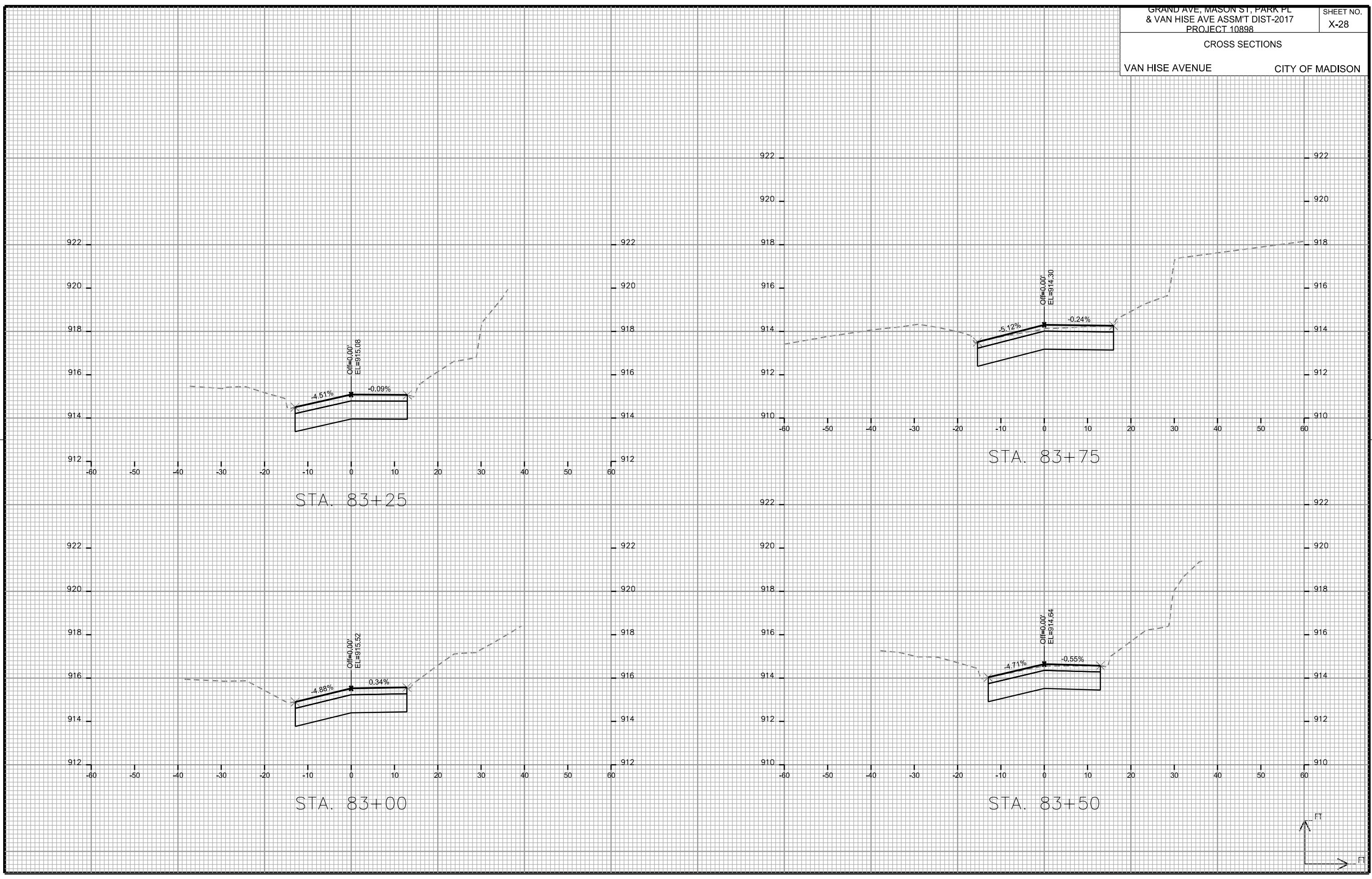
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

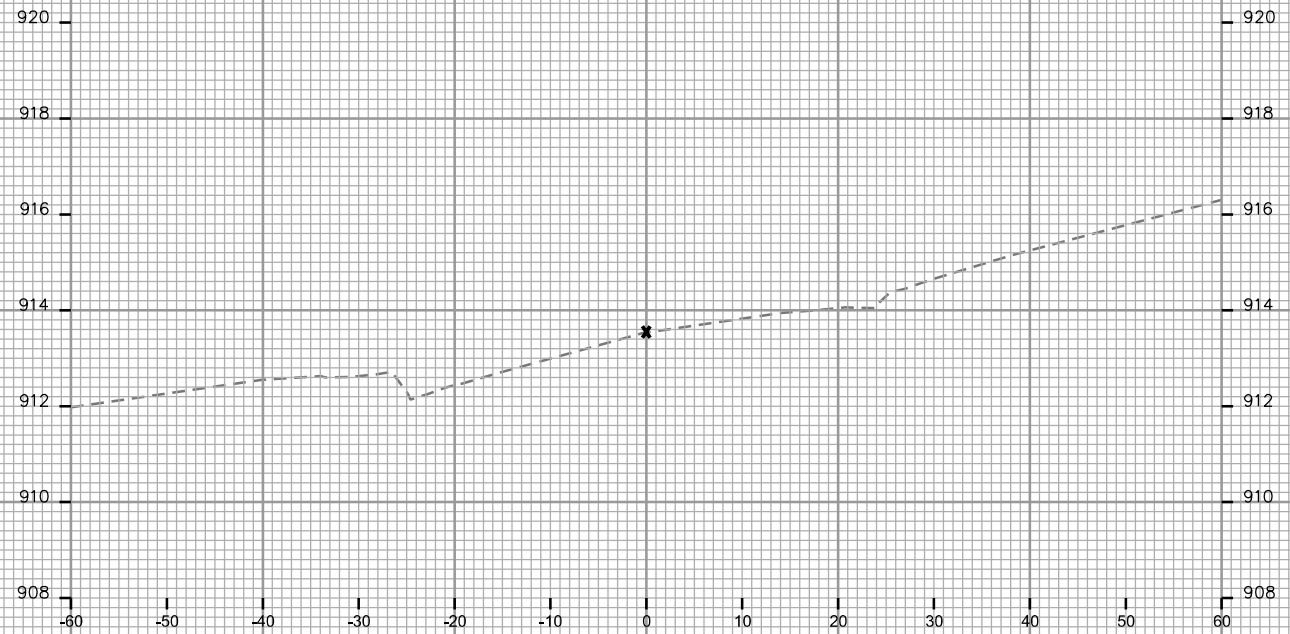


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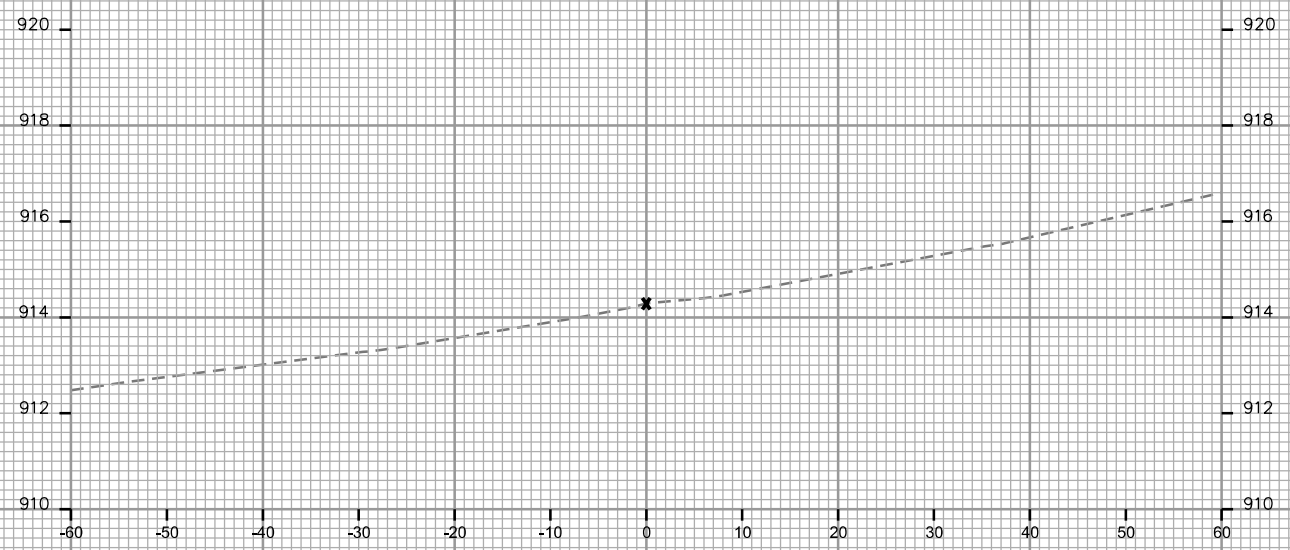
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REV. DATE: _____

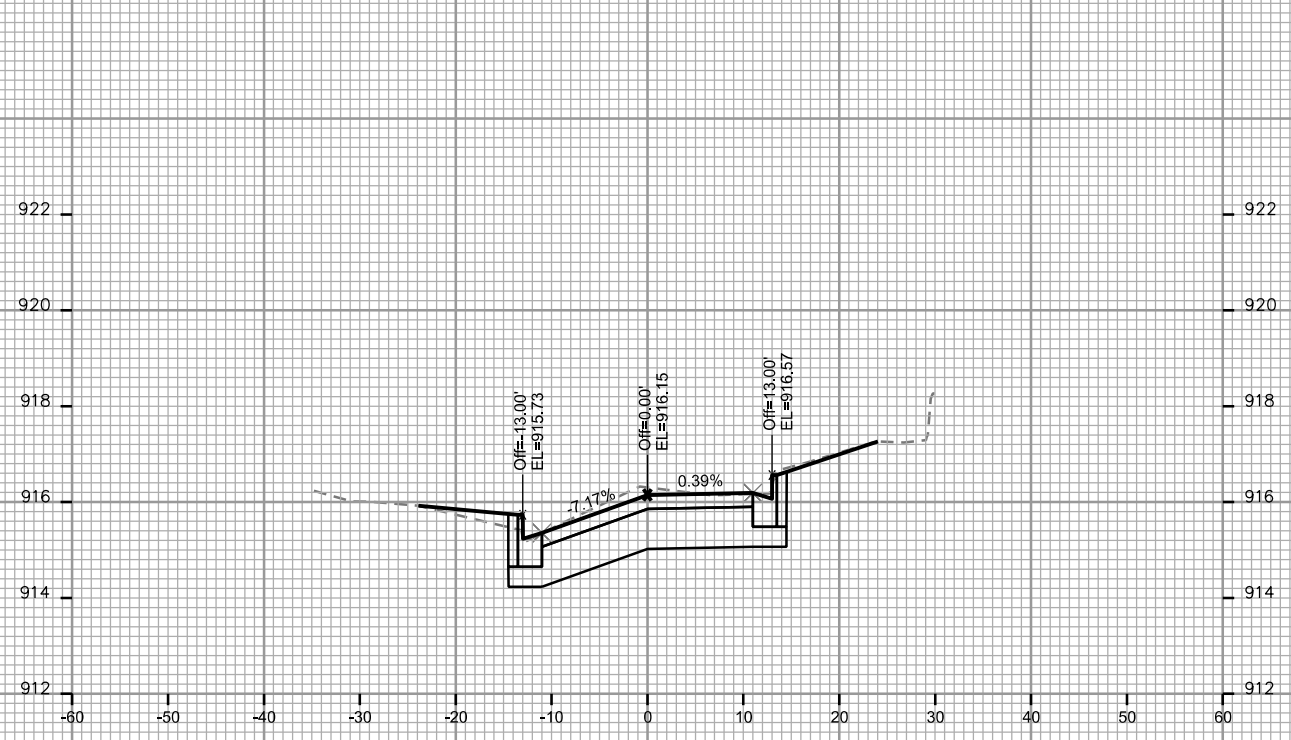
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



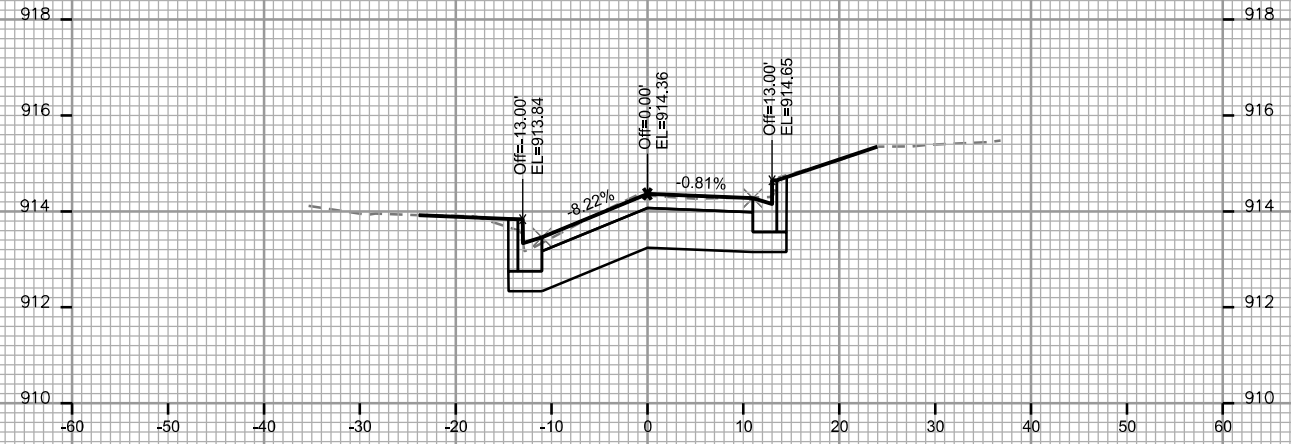
STA. 84+25



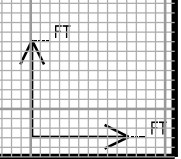
STA. 84+00



STA. 84+75



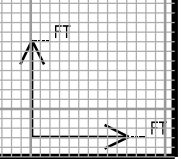
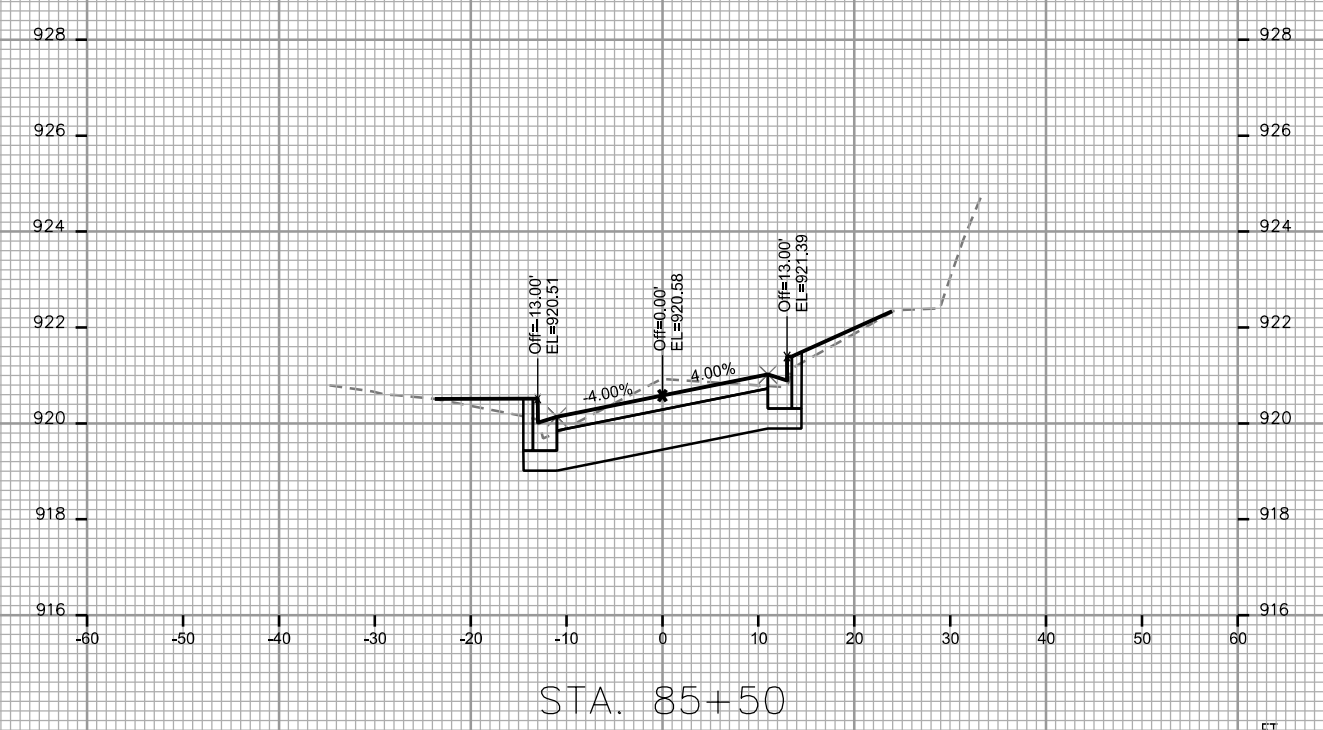
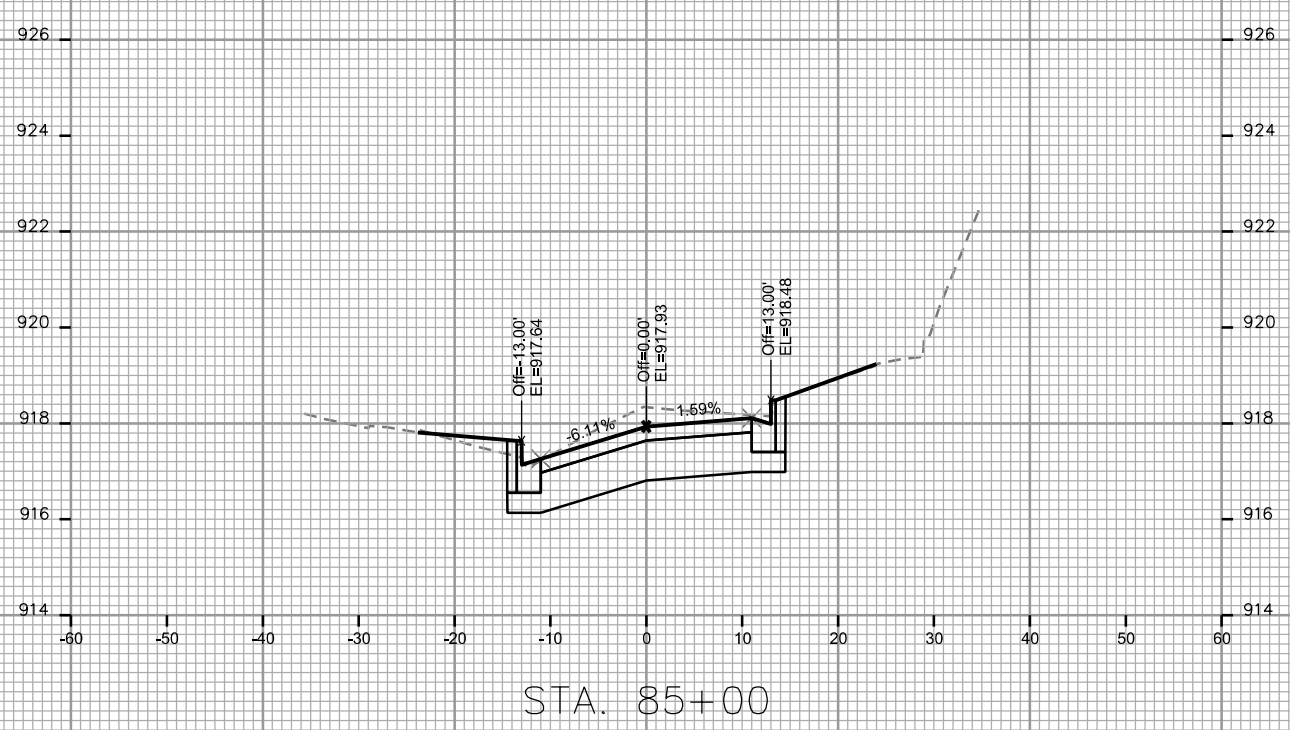
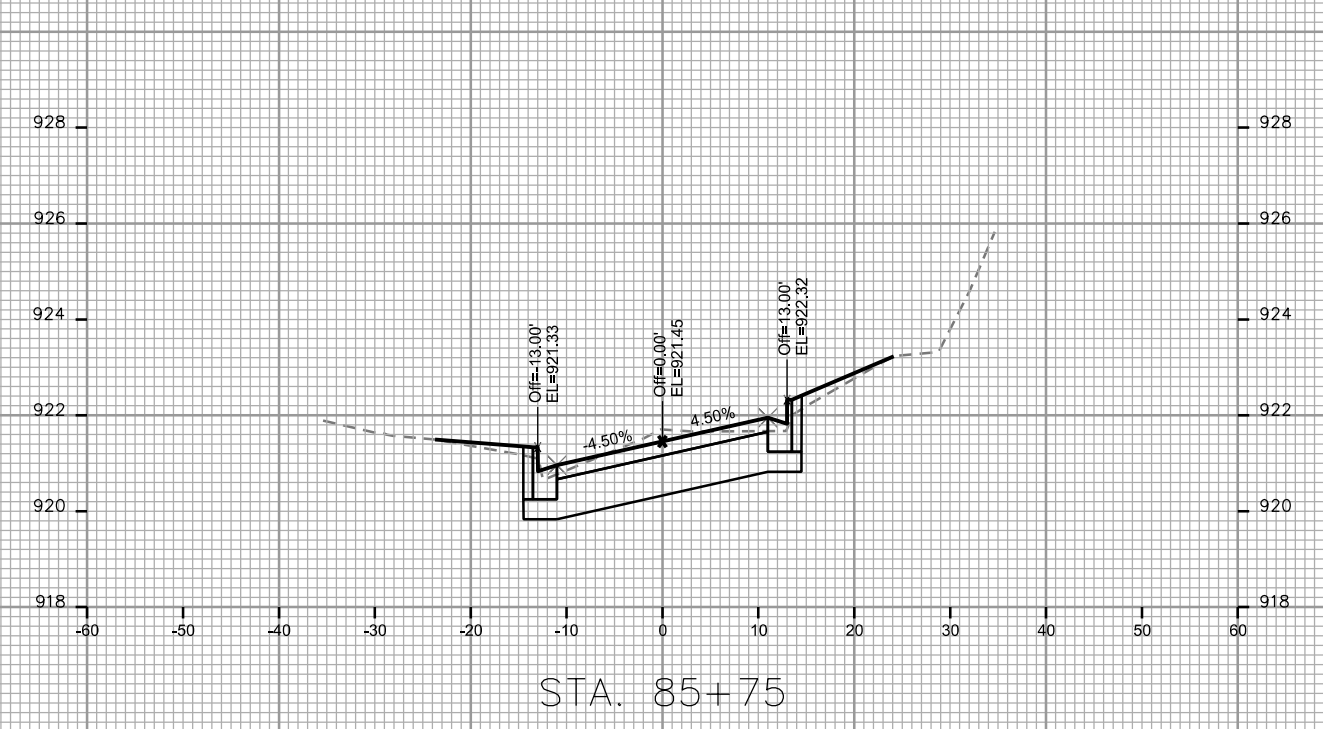
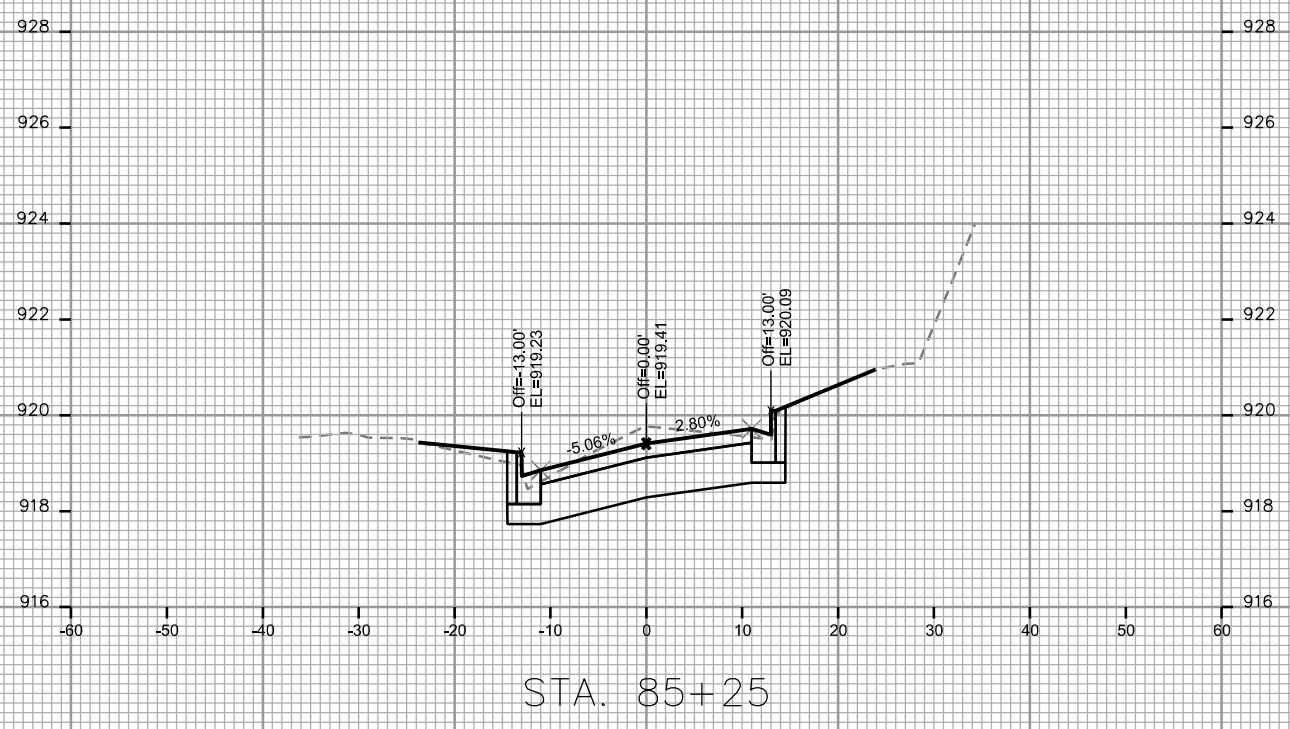
STA. 84+50



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

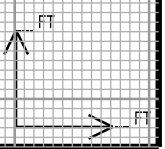
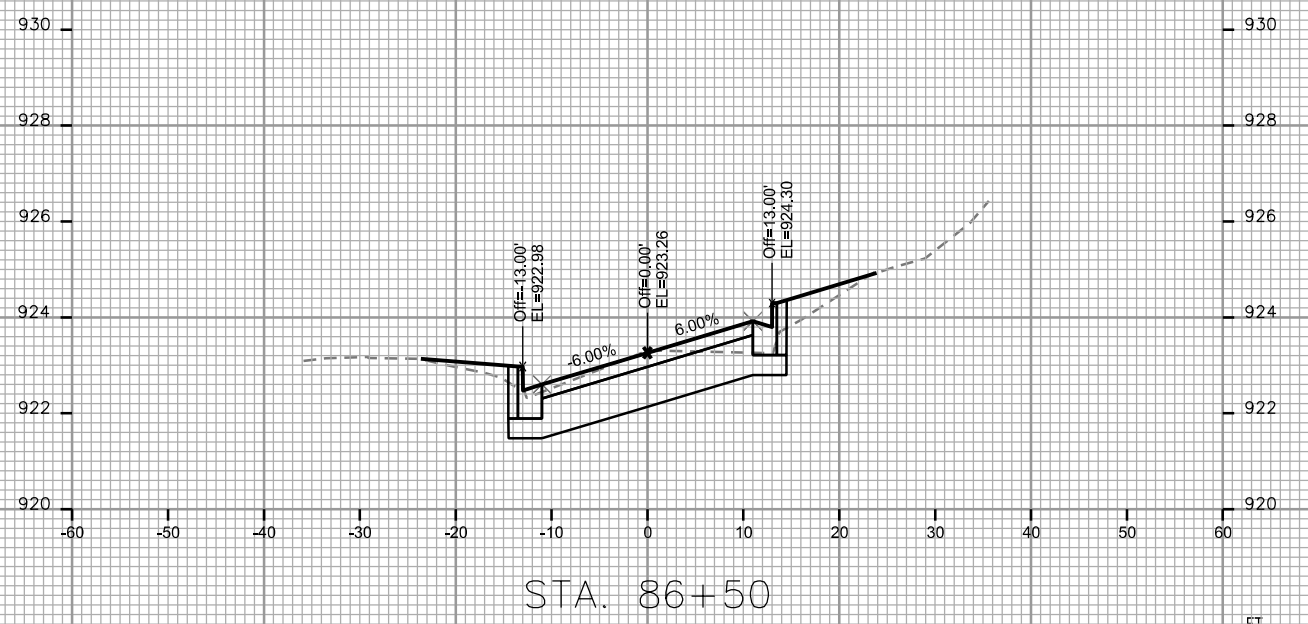
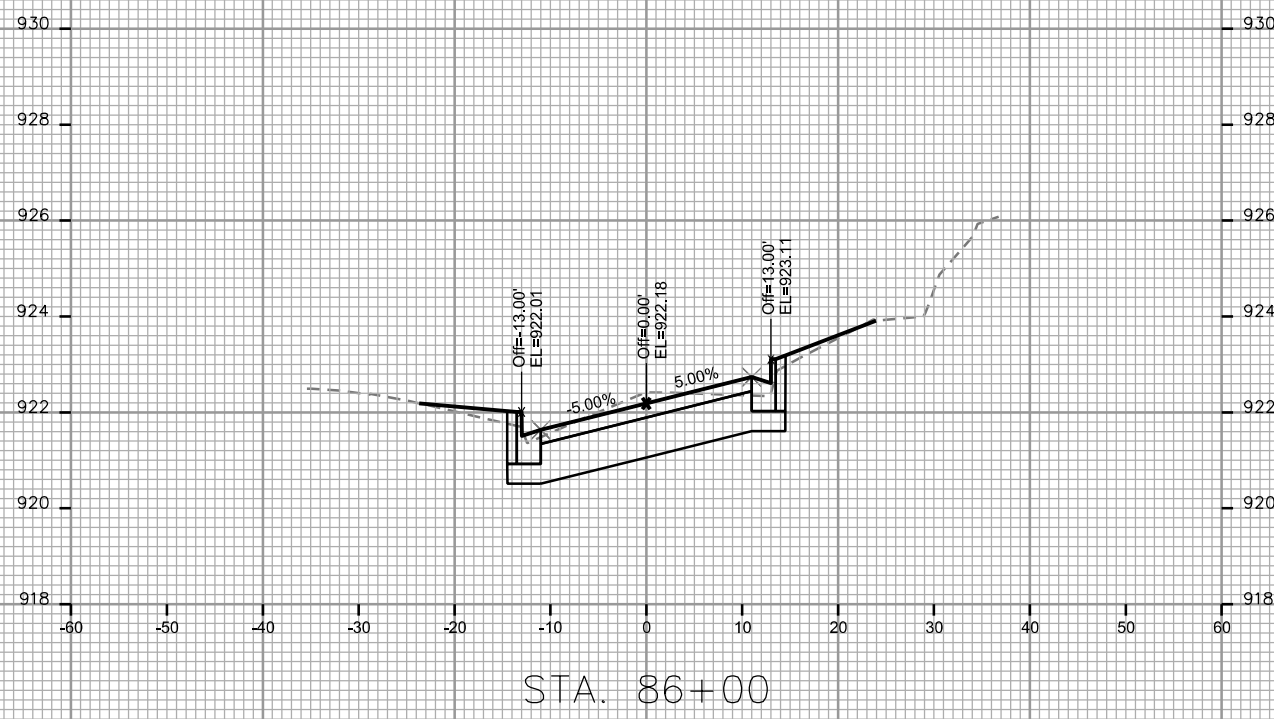
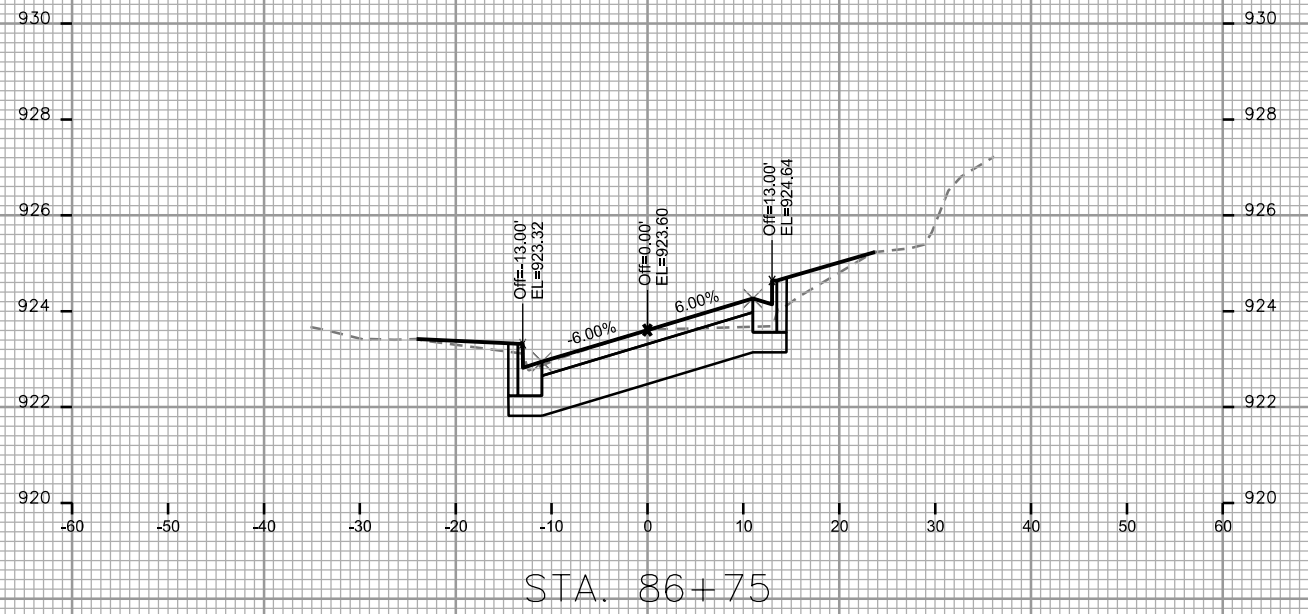
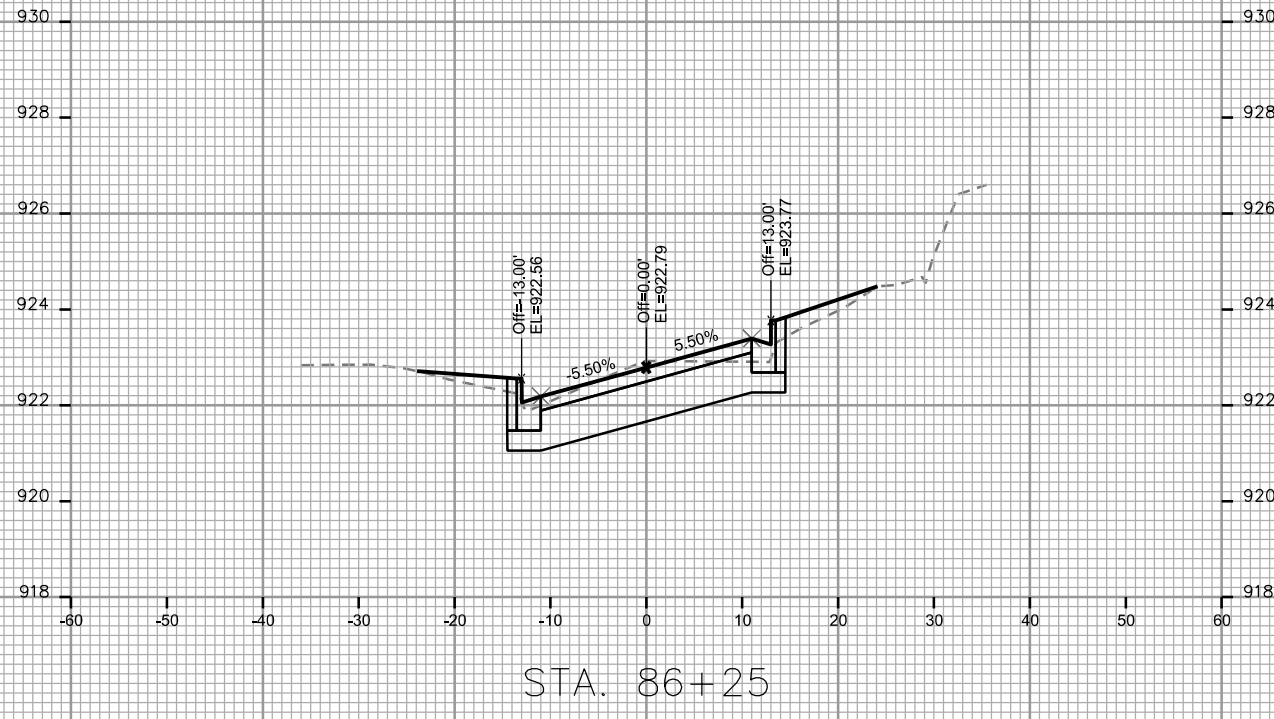
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

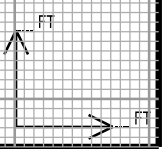
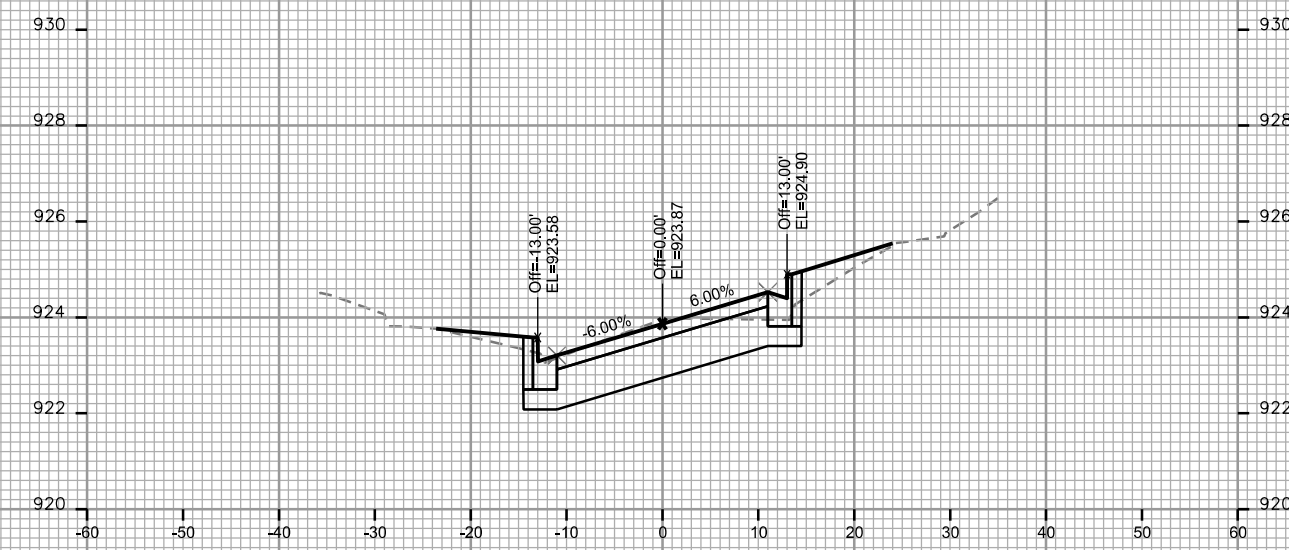
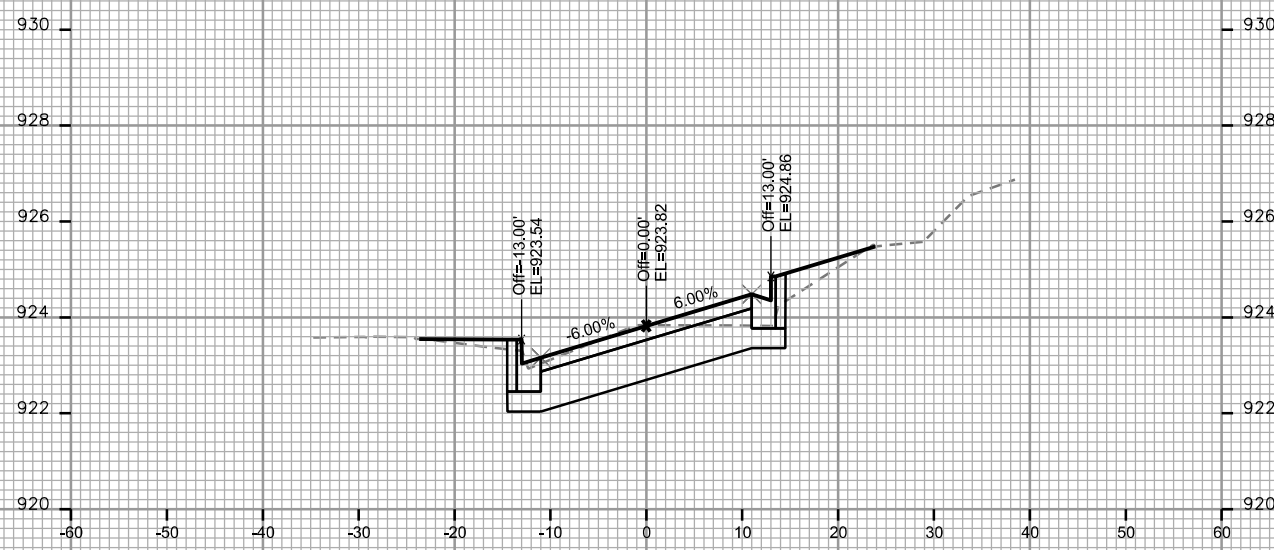
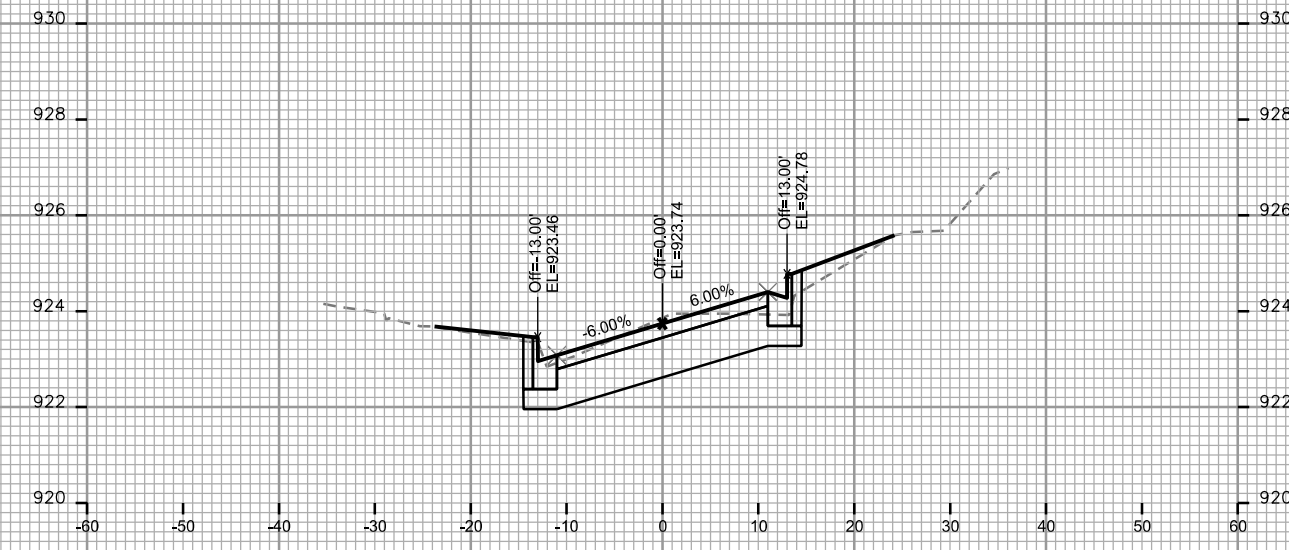
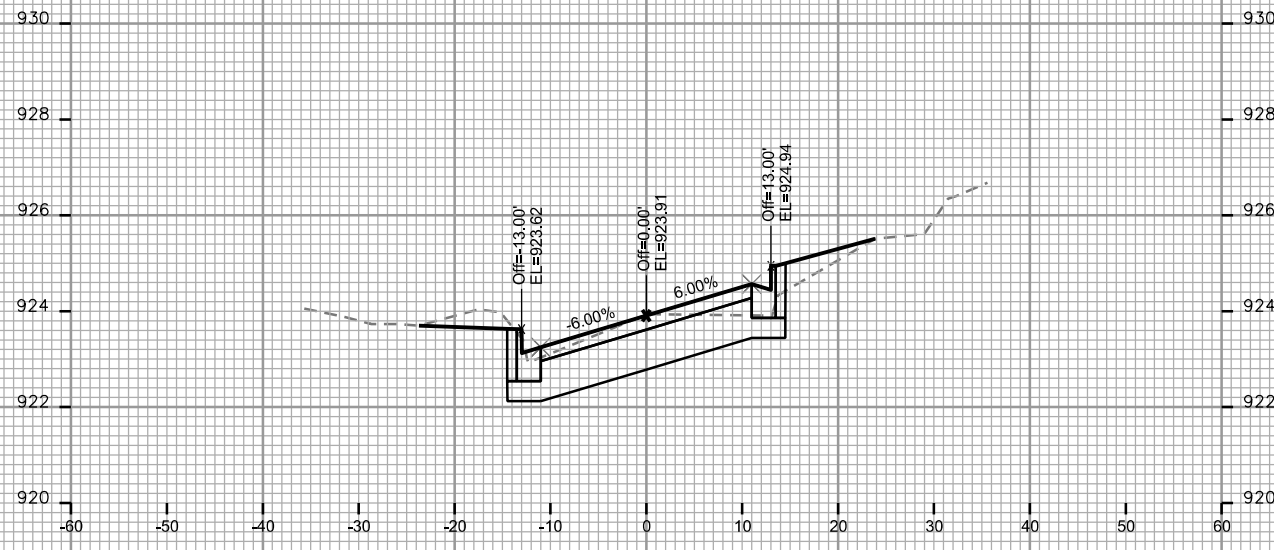


CROSS SECTIONS
 VAN HISE AVENUE CITY OF MADISON

PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

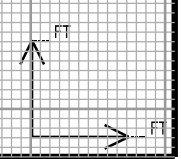
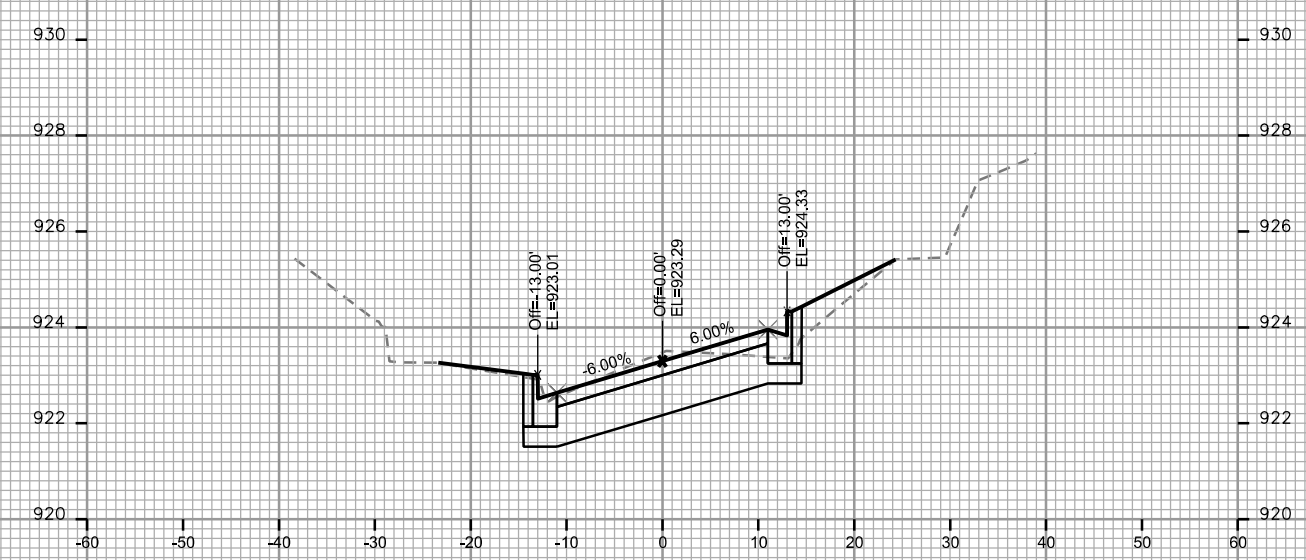
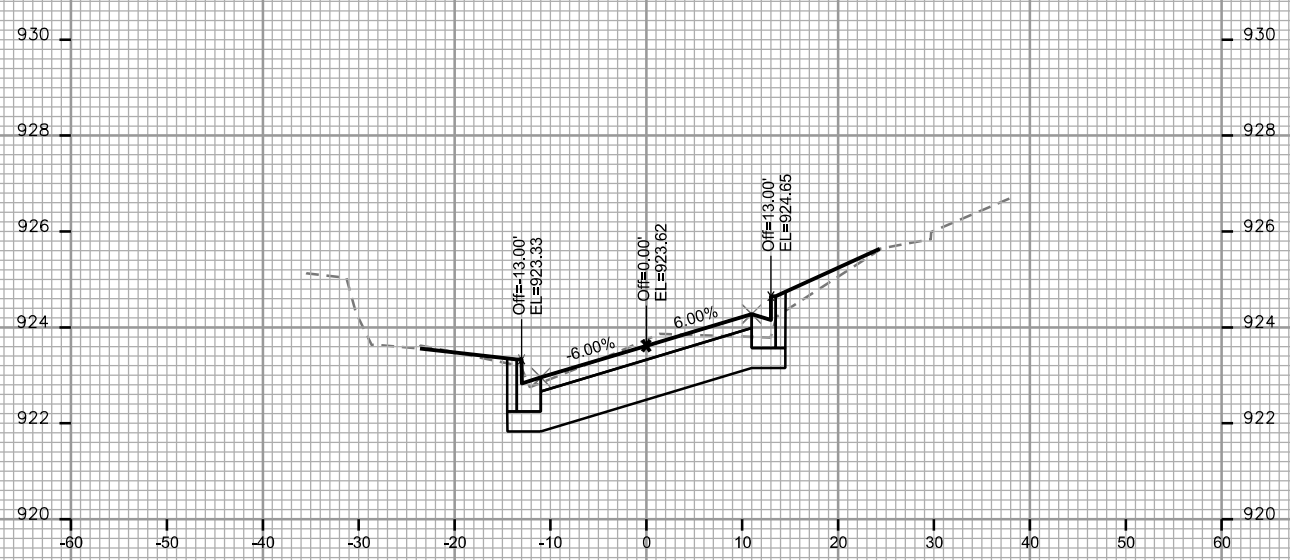
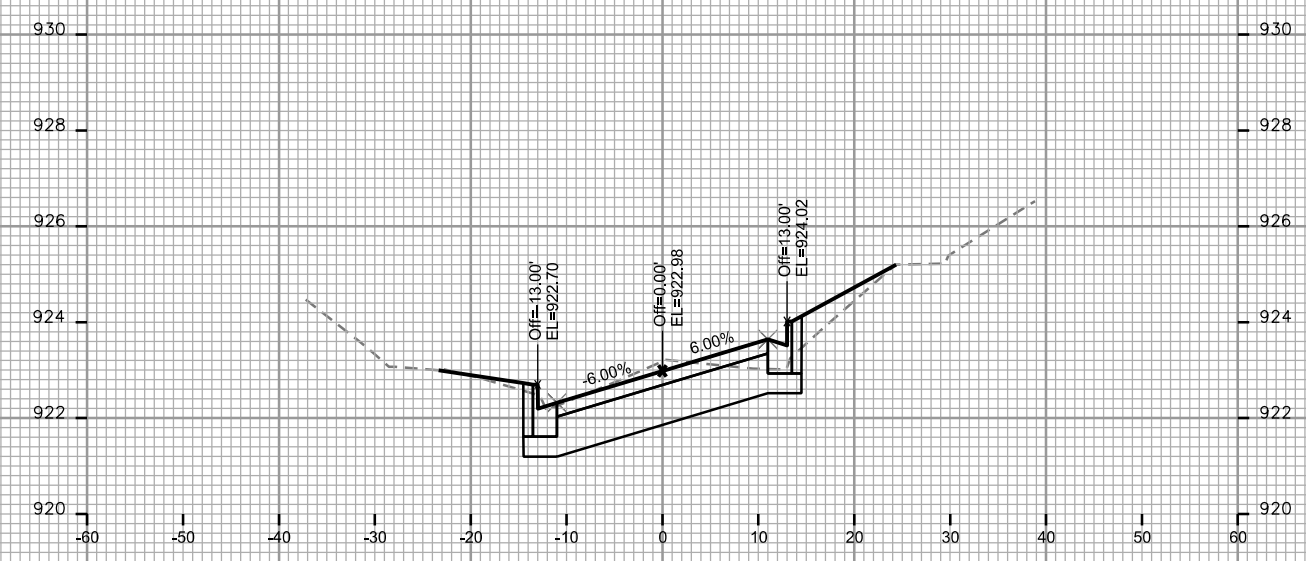
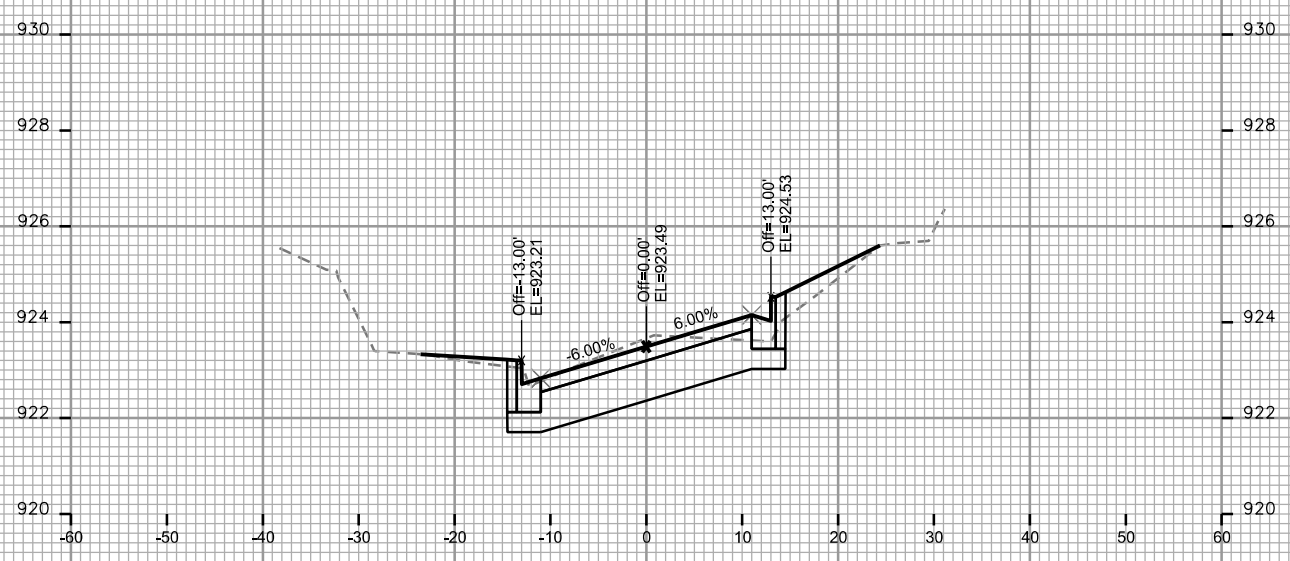
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



PLOT SCALE: _____
 PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

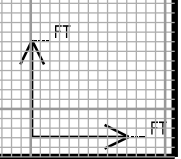
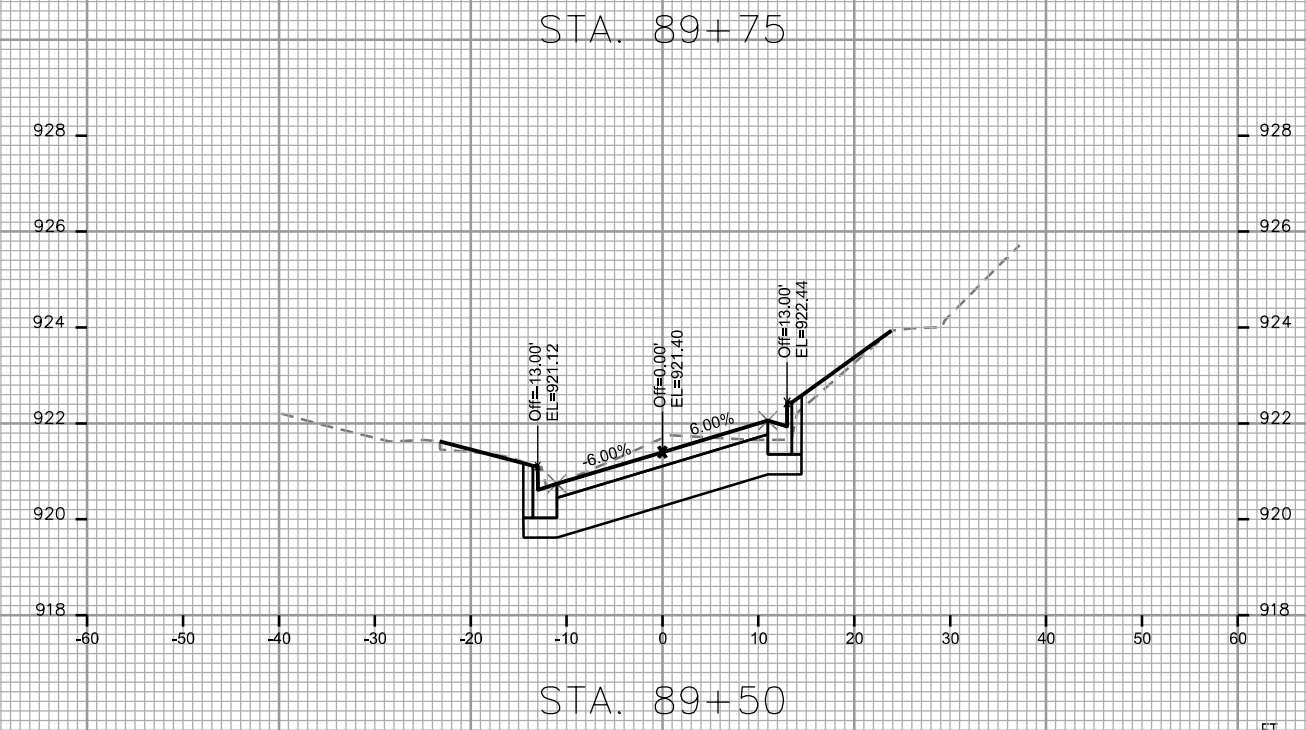
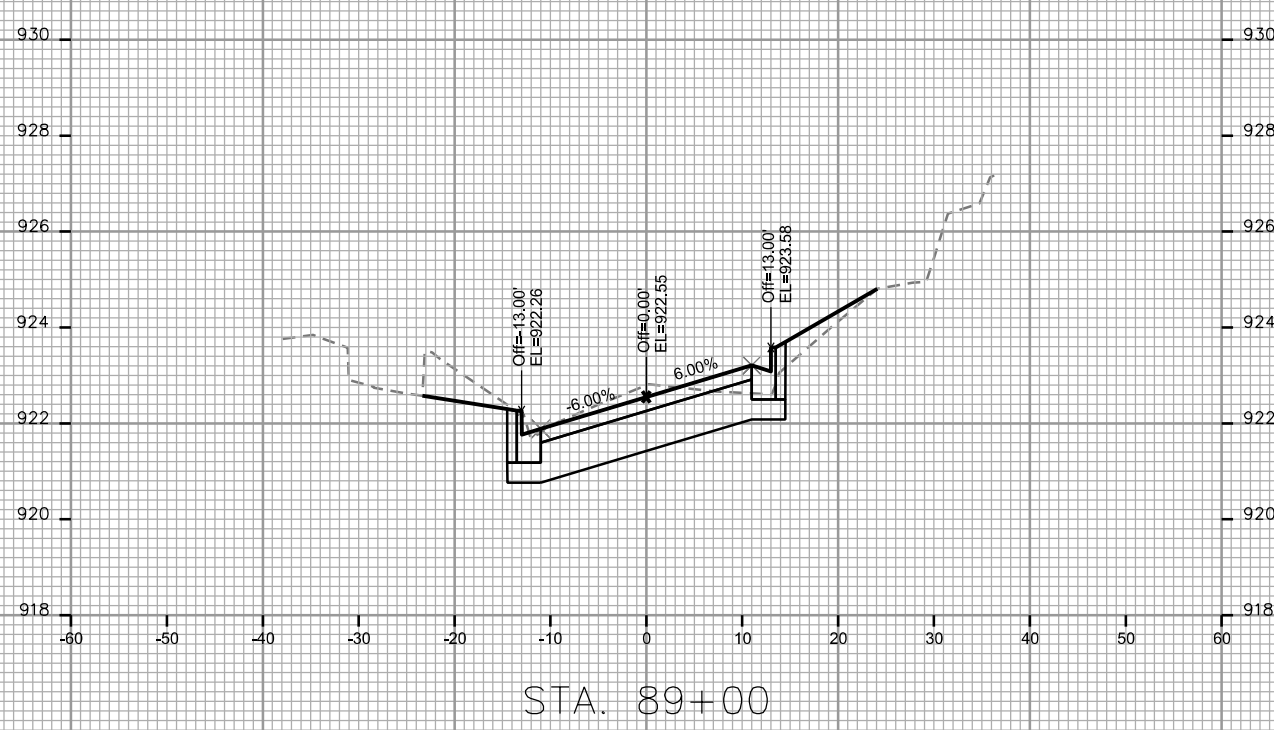
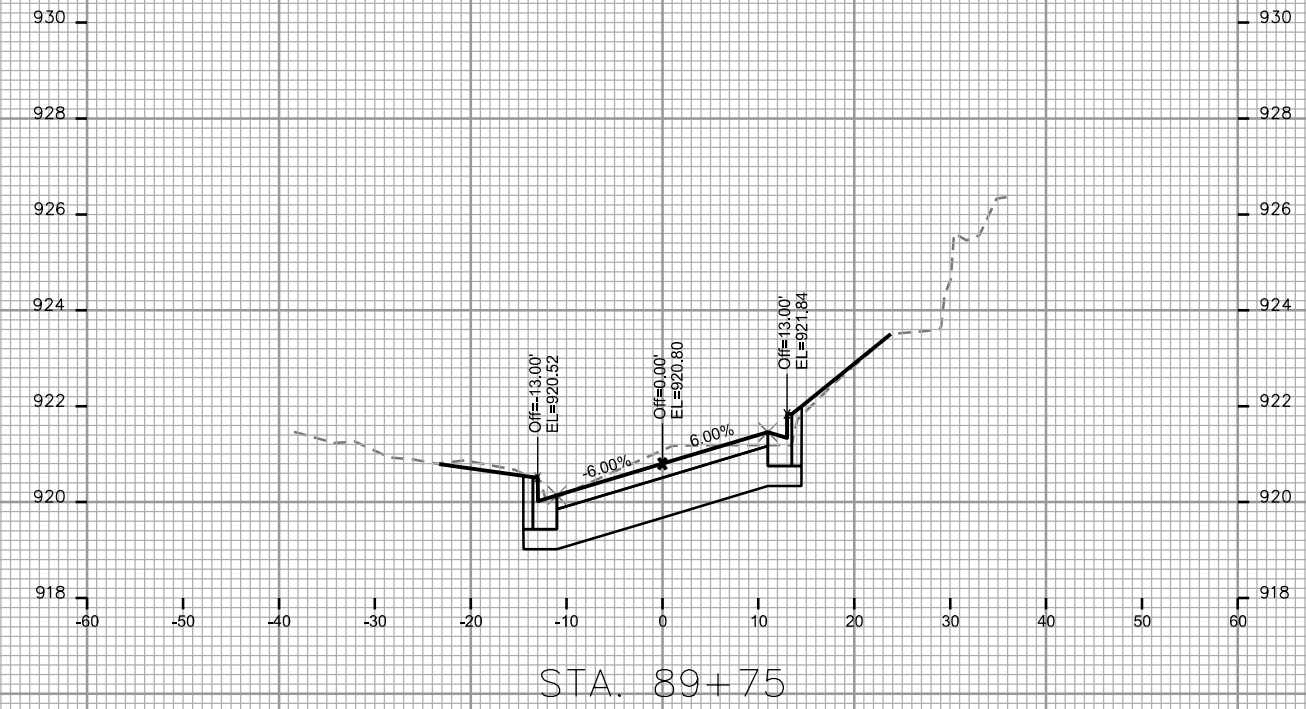
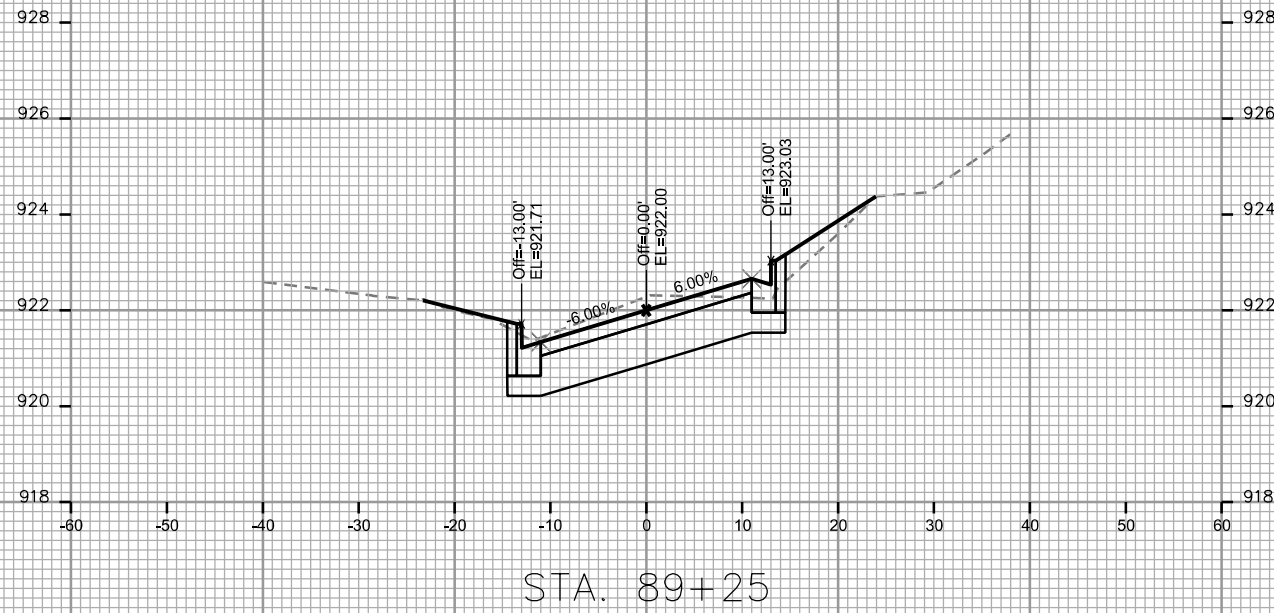


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

VAN HISE AVENUE

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

