

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

April 30, 2019

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 5/24/19
City Engineer Date

INDEX OF SHEETS

SHEET NO.	TITLE
1	DETAILS
DI-D3	DEMOLITION AND REMOVAL PLAN
DR-1	EROSION CONTROL PLAN
EC1-EC4	STREET PLAN AND PROFILES
P1-P4	UTILITIES PLAN AND PROFILES
U1-U4	STORM SEWER SCHEDULE
U5-U6	ELECTRICAL PLANS AND DETAILS
E1-E10	PAVEMENT MARKINGS
MI-M2	CROSS SECTIONS
X1-X16	

SOUTH POINT ROAD
ASSESSMENT DISTRICT - 2019
CITY PROJECT NO. 11871
CITY CONTRACT NO. 8312

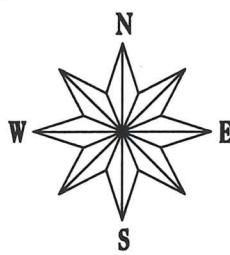
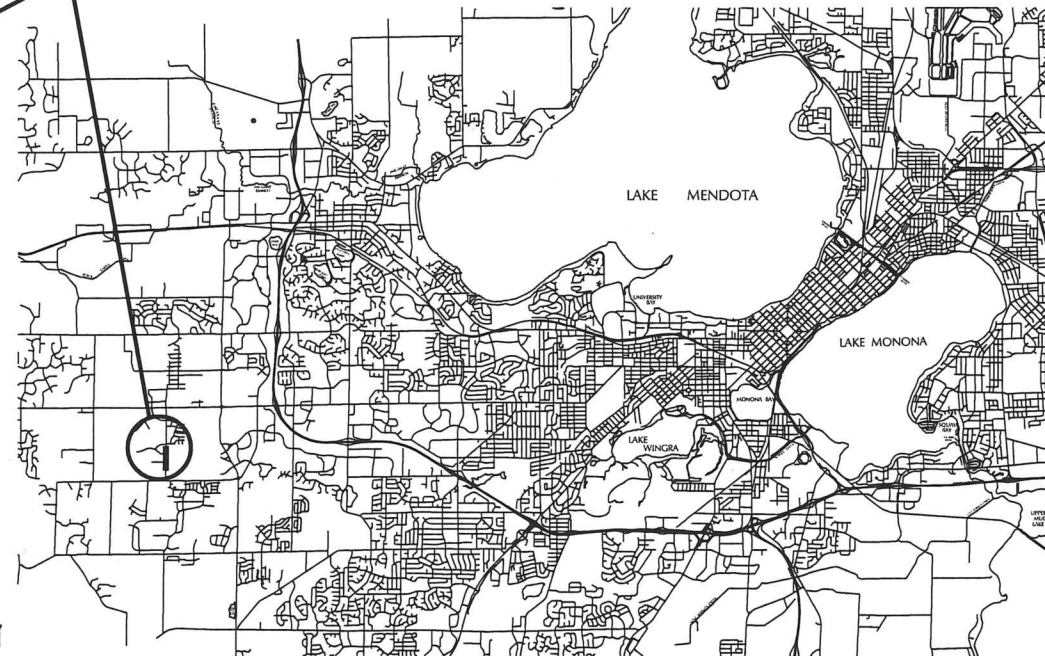
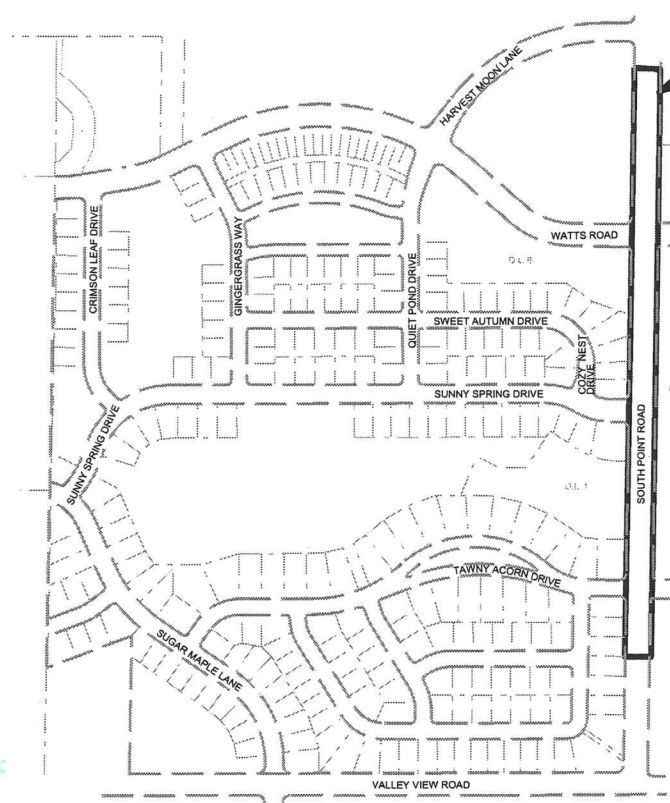
CONVENTIONAL SIGNS
FIELD VERIFY ALL UTILITY LOCATIONS

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

STREET GRADES DESIGNED BY:



PROJECT LOCATION



EARTH WORK SUMMARY:

EXCAVATION CUT (PAID AS PLAN QTY) 4,777 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT 340 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT 5,117 C.Y.
ESTIMATED FILL BORROW 4,464 C.Y.

GEOMETRICS & PAVEMENT MARKINGS DESIGNED BY:



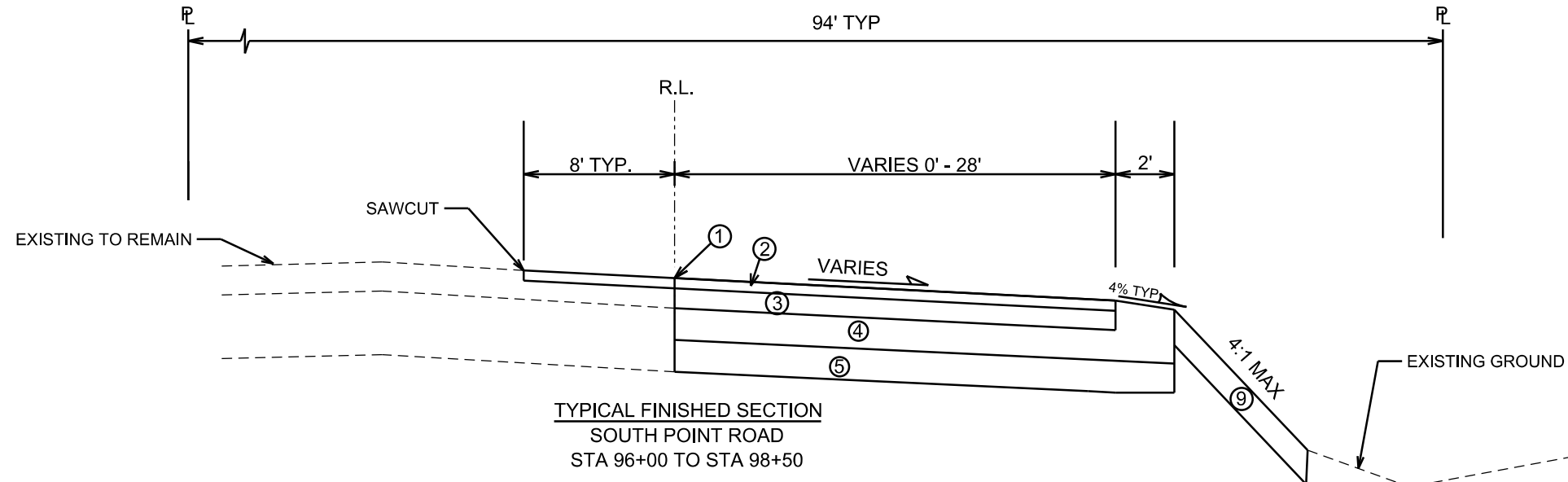
STREET LIGHTING DESIGNED BY:



STORM SEWER DESIGNED BY:



NOTES:
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.
SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12".
SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.5%. 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%.



- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER (4 MT 58-28 S)
- ③ 3.5" BITUMINOUS LOWER LAYER (3 MT 58-28 S)
- ④ 6" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ TYPE 'H' CONCRETE CURB & GUTTER
- ⑧ FILL, INCIDENTAL
- ⑨ 6" TOPSOIL, SEED & MAT
- ⑩ 5" CONCRETE SIDEWALK
- ⑪ 2" SELECT FILL - INCIDENTAL TO SIDEWALK CONSTRUCTION*

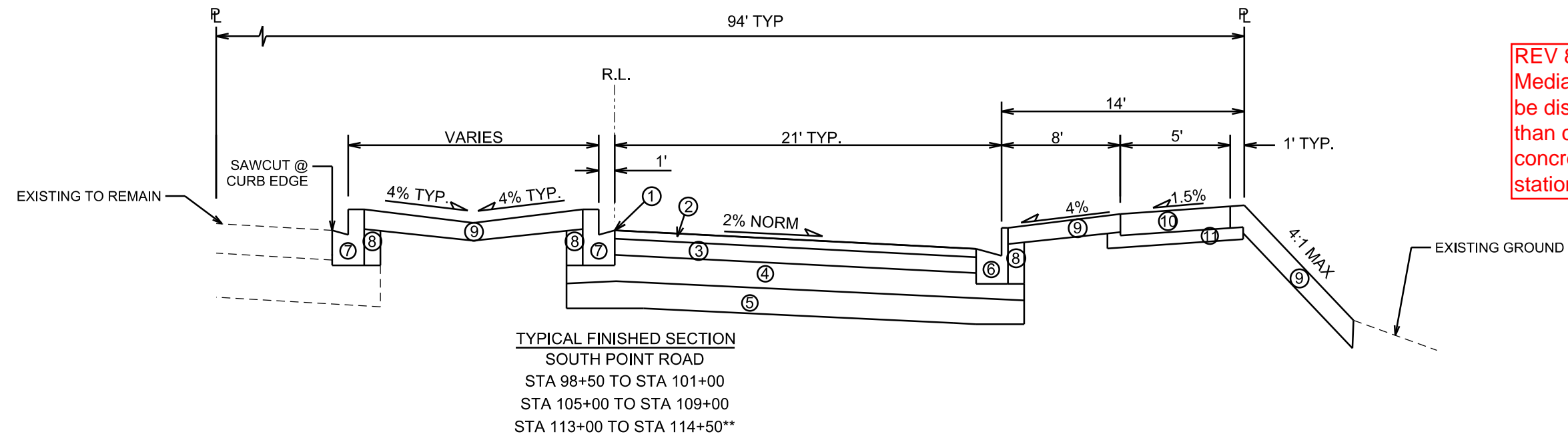
* 3" GRADATION 3 CRUSHED STONE UNDER SIDEWALK WHERE CENTERLINE >5% LONGITUDINAL SLOPE

** MEDIAN IS 5" CONCRETE AND CROWNED AT 4% FOR THIS STATION RANGE.

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

TYPICAL SECTIONS NOT TO SCALE

REV 8-12-19 CWD
Median revised to be dished rather than crowned and concrete for certain station range.



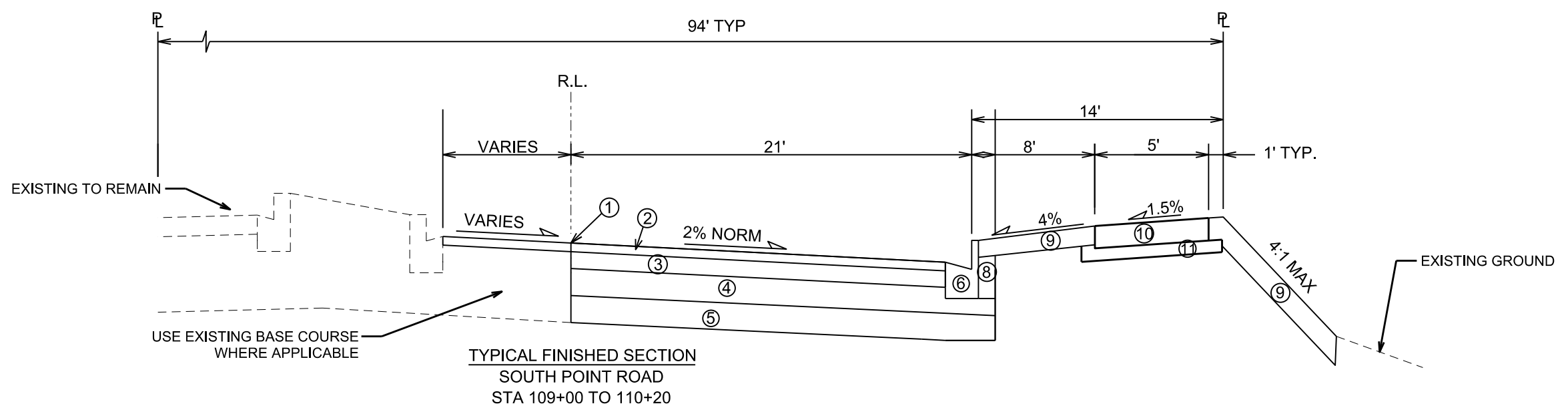
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REV 8-12-19 CWD
Median revised to
be dished rather than
crowned.

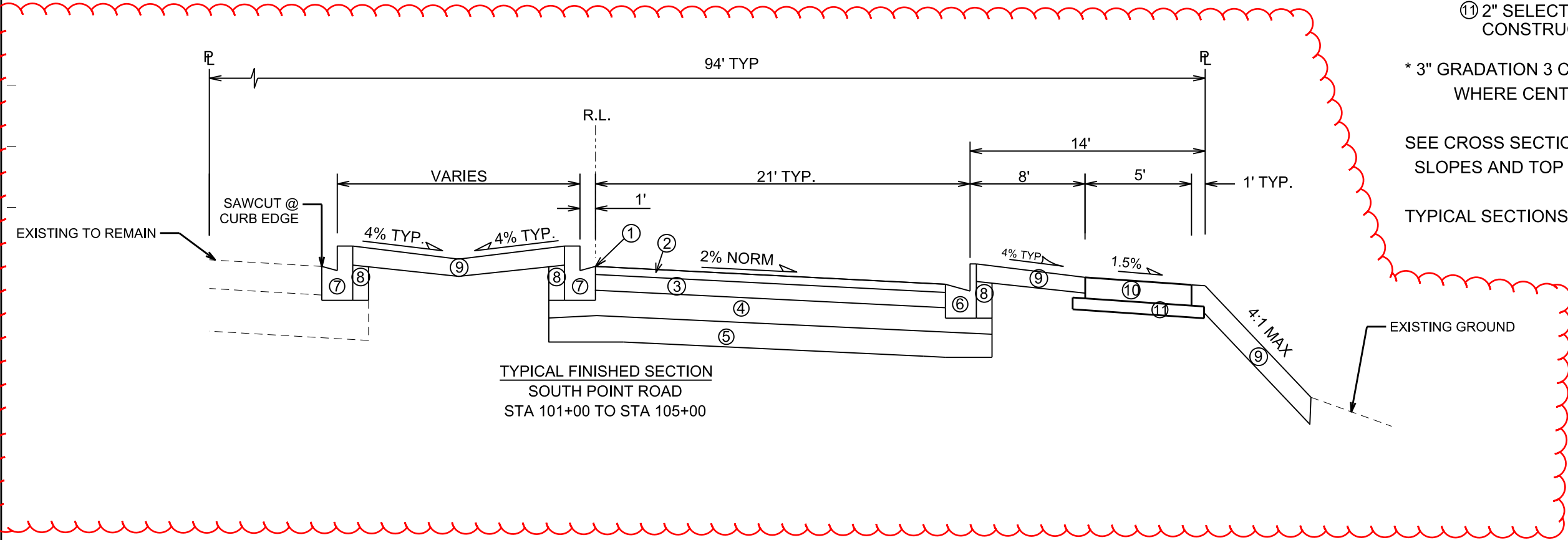


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* 3" GRADATION 3 CRUSHED STONE UNDER SIDEWALK
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SEE CROSS SECTION SHEETS FOR CROSS
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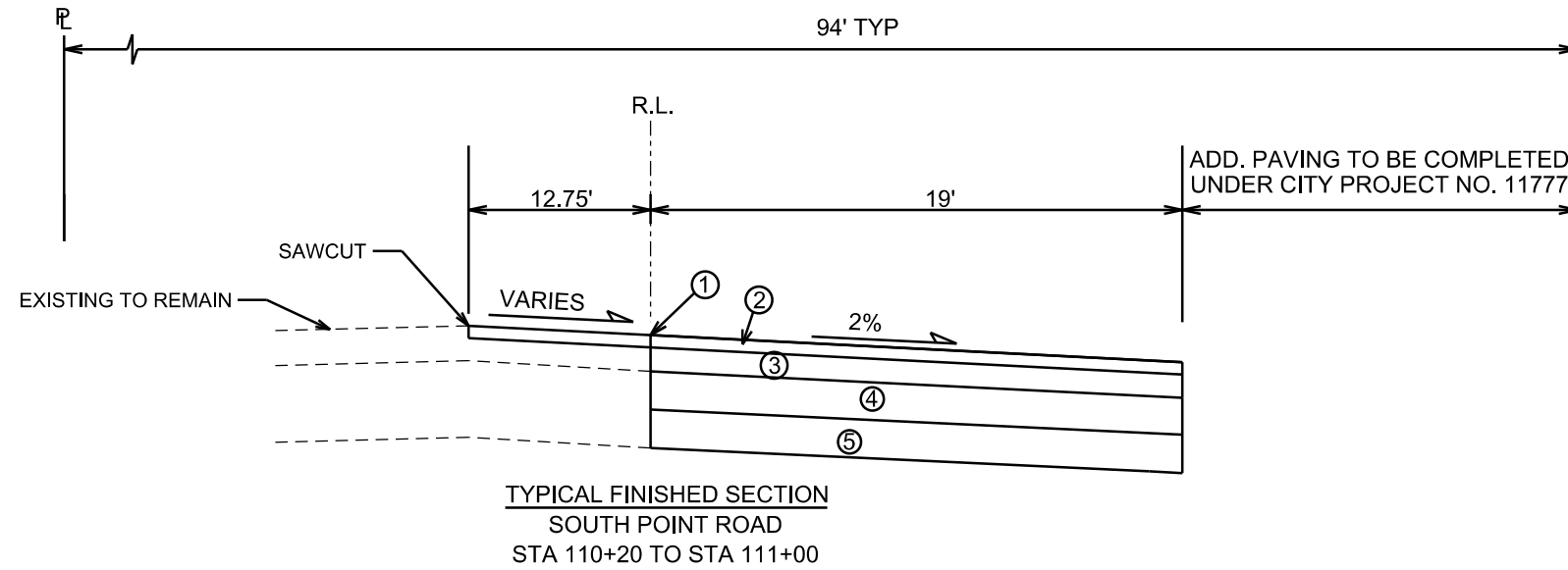


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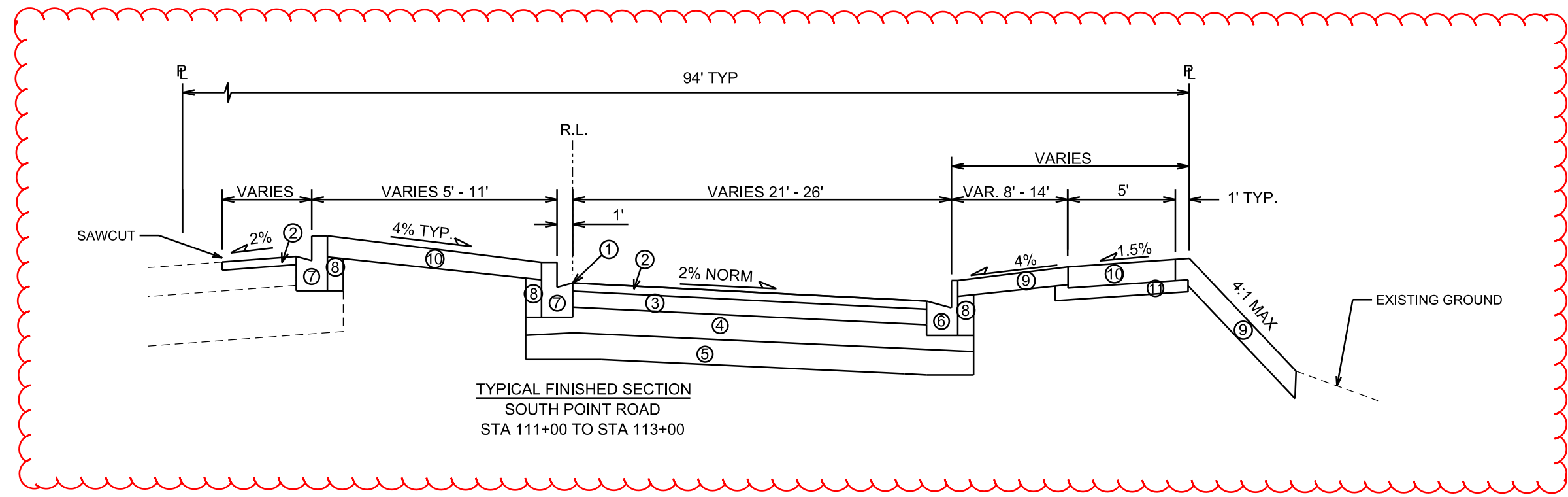


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* 3" GRADATION 3 CRUSHED STONE UNDER SIDEWALK WHERE CENTERLINE >5% LONGITUDINAL SLOPE

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TYPICAL SECTIONS NOT TO SCALE



REV 8-12-19 CWD
Median revised to be concrete.


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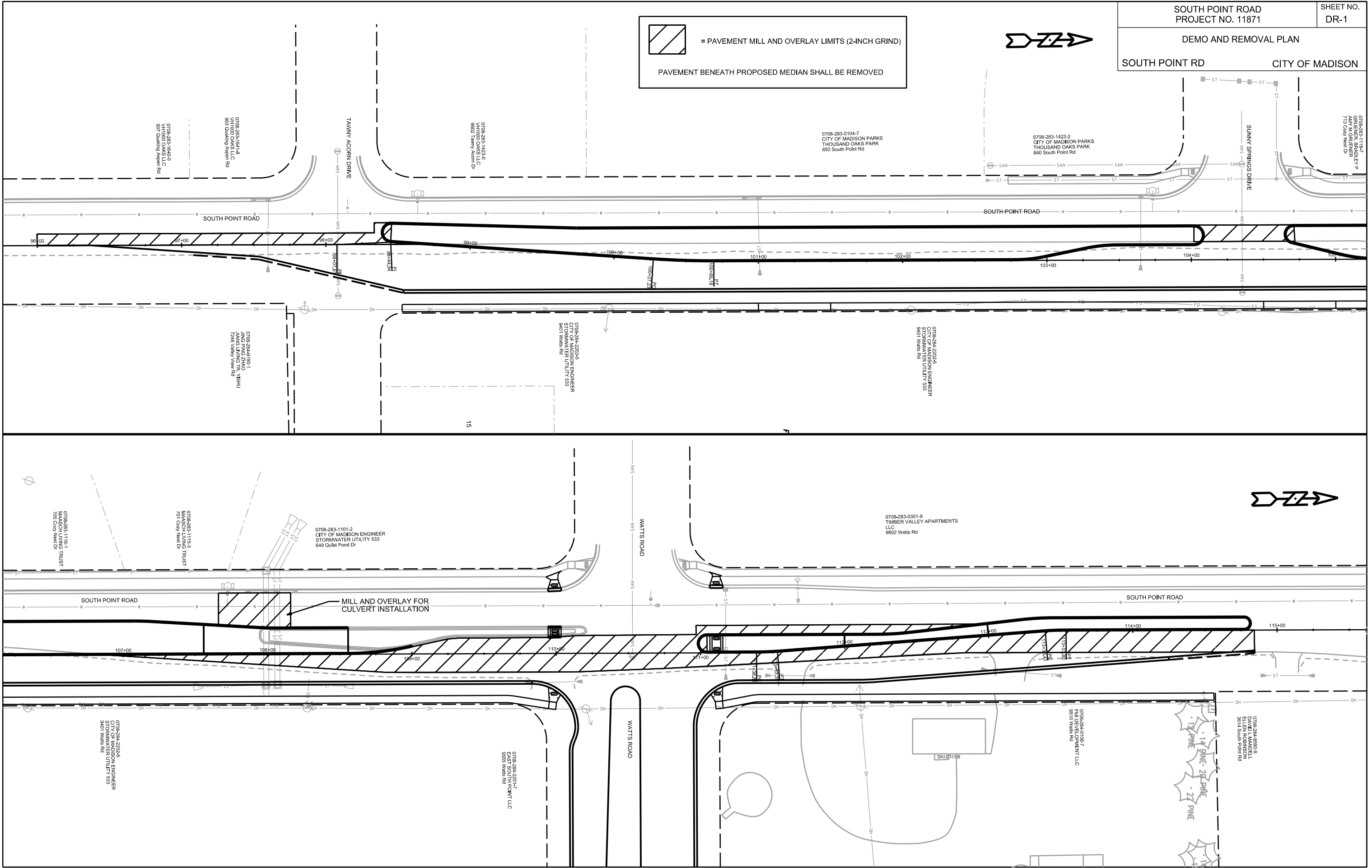
PLOT NAME:

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

DEMO AND REMOVAL PLAN
SOUTH POINT RD CITY OF MADISON

 = PAVEMENT MILL AND OVERLAY LIMITS (2-INCH GRIND)
PAVEMENT BENEATH PROPOSED MEDIAN SHALL BE REMOVED

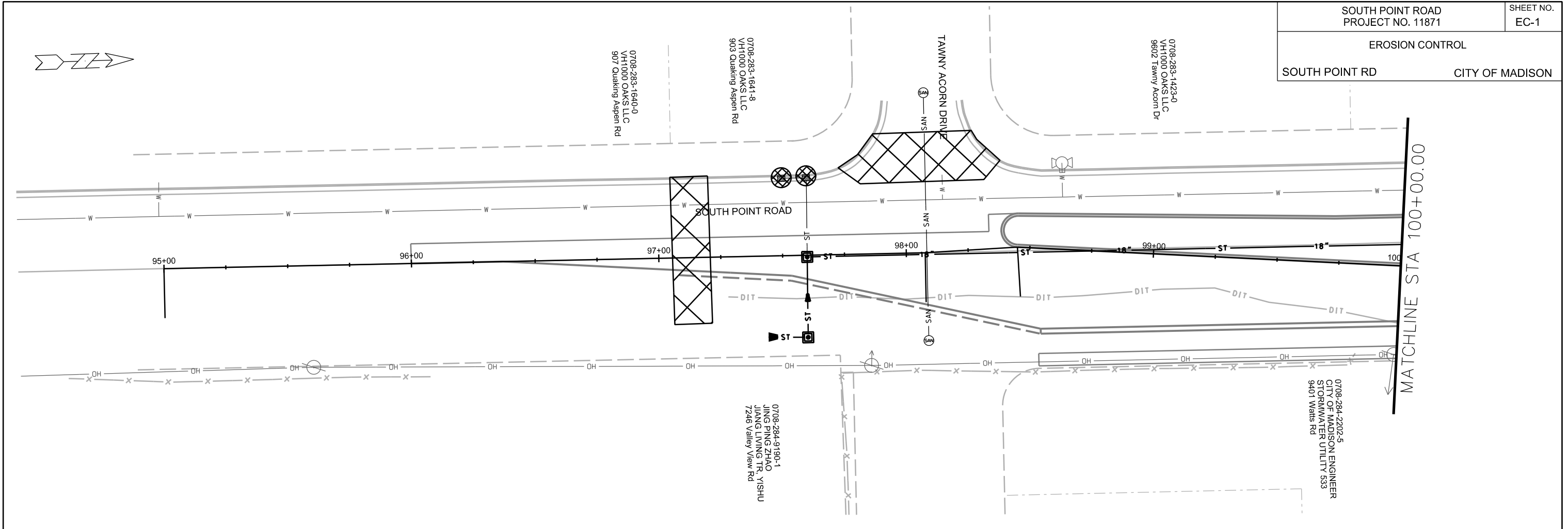








PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



-  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.

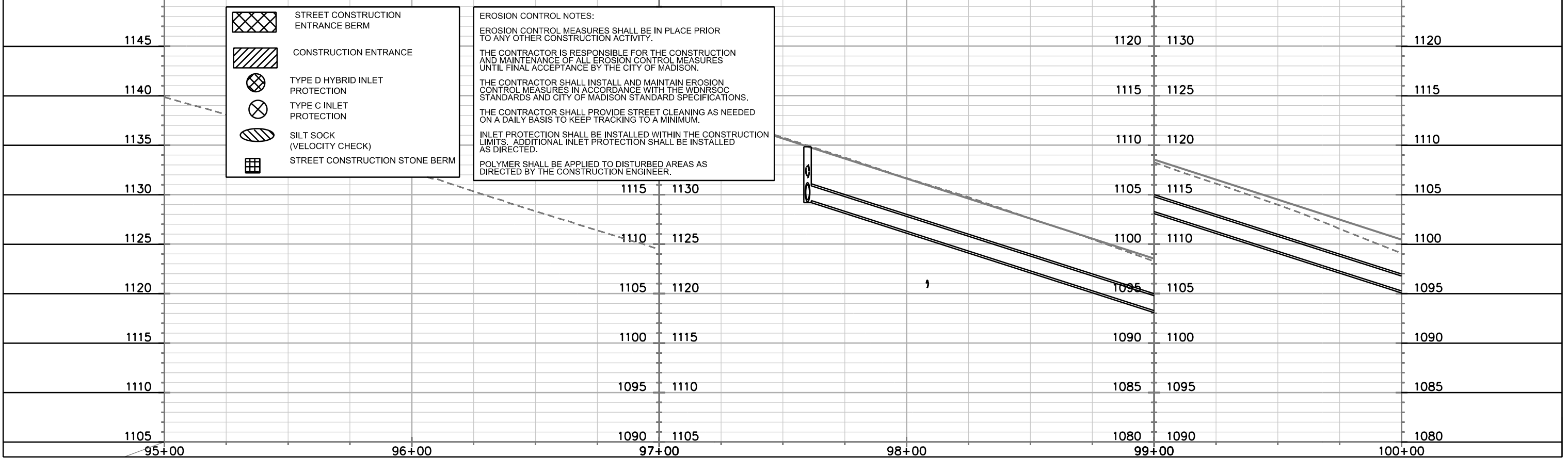
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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.



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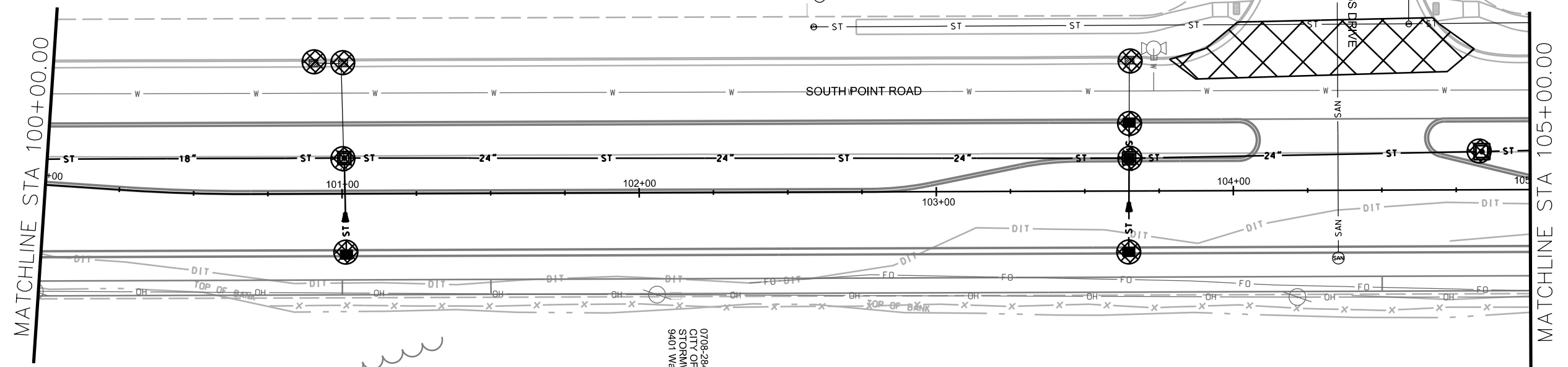
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0708-283-0104-7
CITY OF MADISON PARKS
THOUSAND OAKS PARK
850 South Point Rd

0708-283-1422-2
CITY OF MADISON PARKS
THOUSAND OAKS PARK
840 South Point Rd



MATCHLINE STA 100+00.00

MATCHLINE STA 105+00.00

0708-284-2202-5
CITY OF MADISON ENGINEER
STORMWATER UTILITY 533
9401 Wales Rd

- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- TYPE D HYBRID INLET PROTECTION
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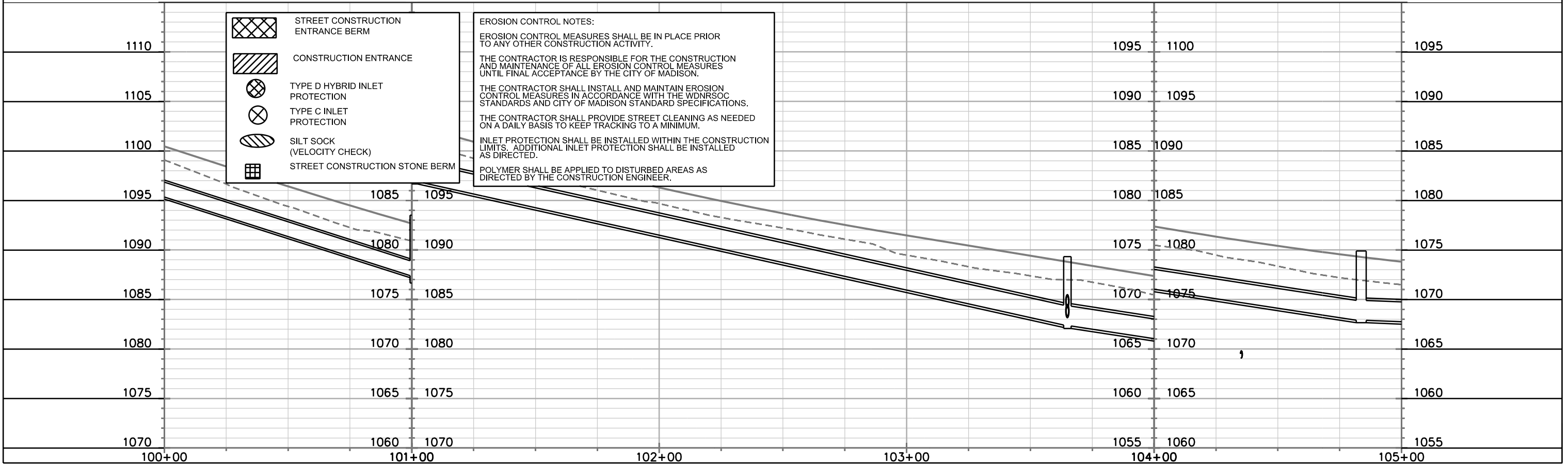
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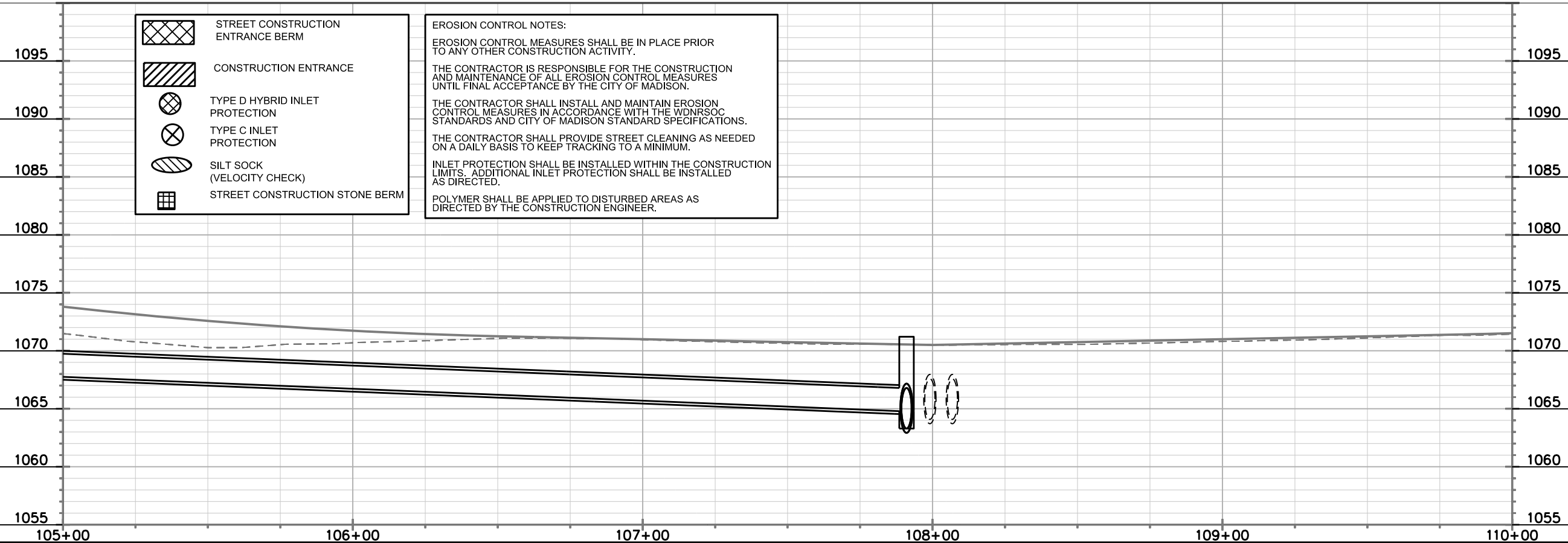
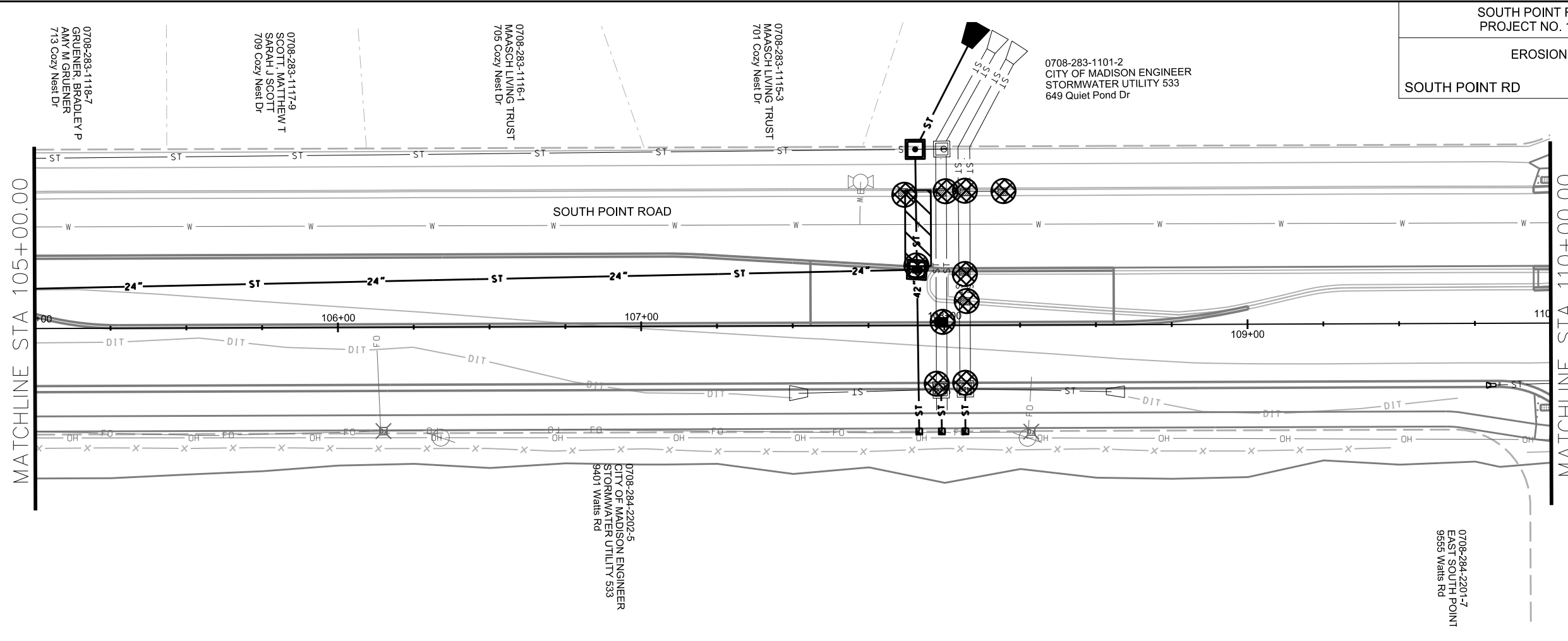
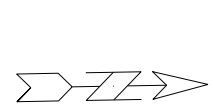








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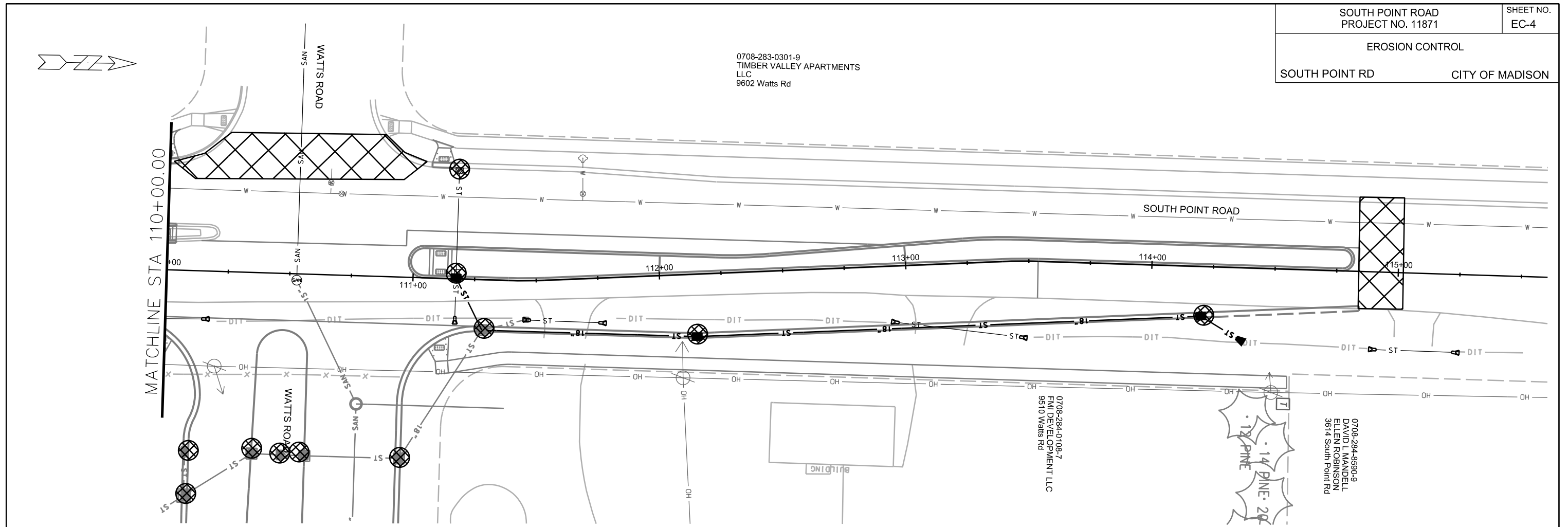
REV. DATE: _____







ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0708-283-0301-9
TIMBER VALLEY APARTMENTS
LLC
9602 Watts Rd

0708-284-0108-7
FMI DEVELOPMENT LLC
9510 Watts Rd

0708-284-8590-9
DAVID L MANDELL
EILEEN ROBINSON
3614 South Point Rd



-  STREET CONSTRUCTION ENTRANCE BERM
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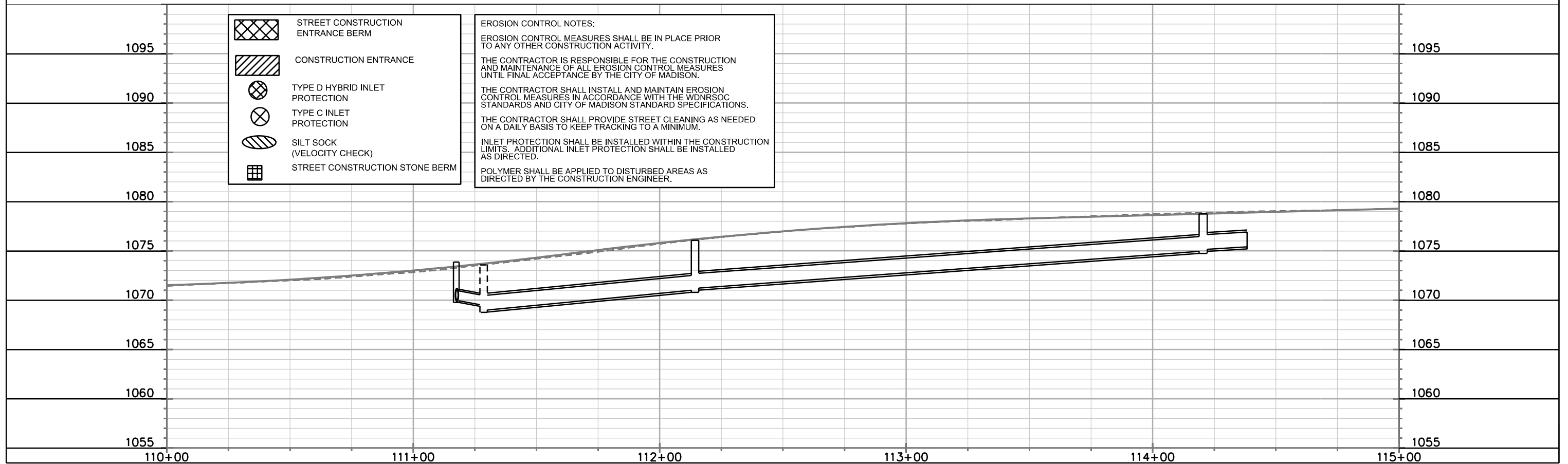
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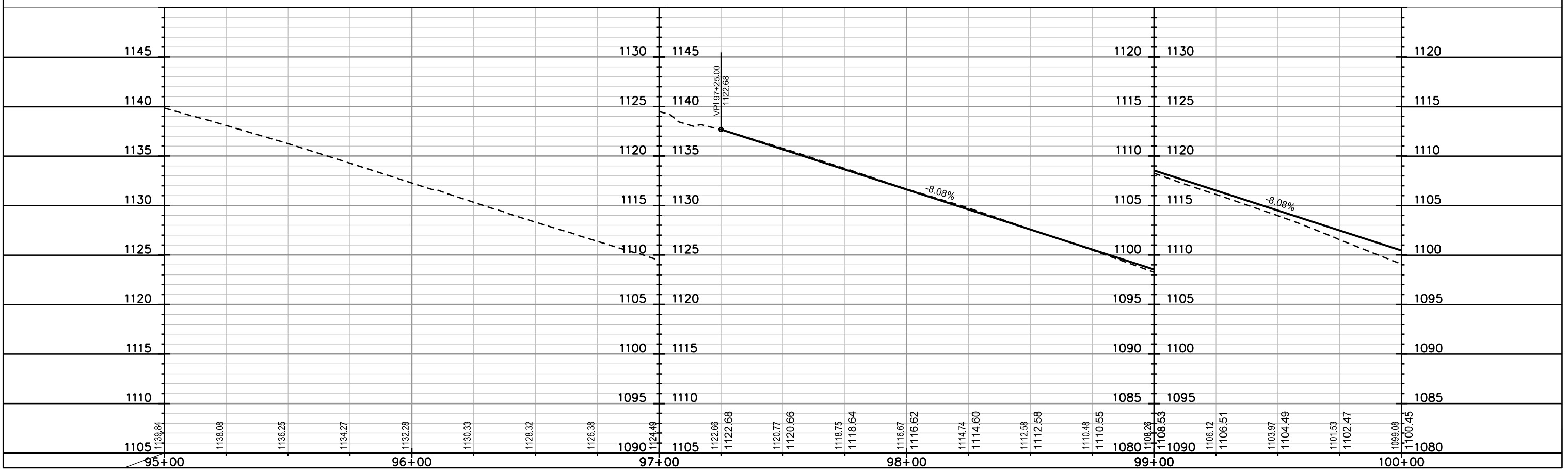
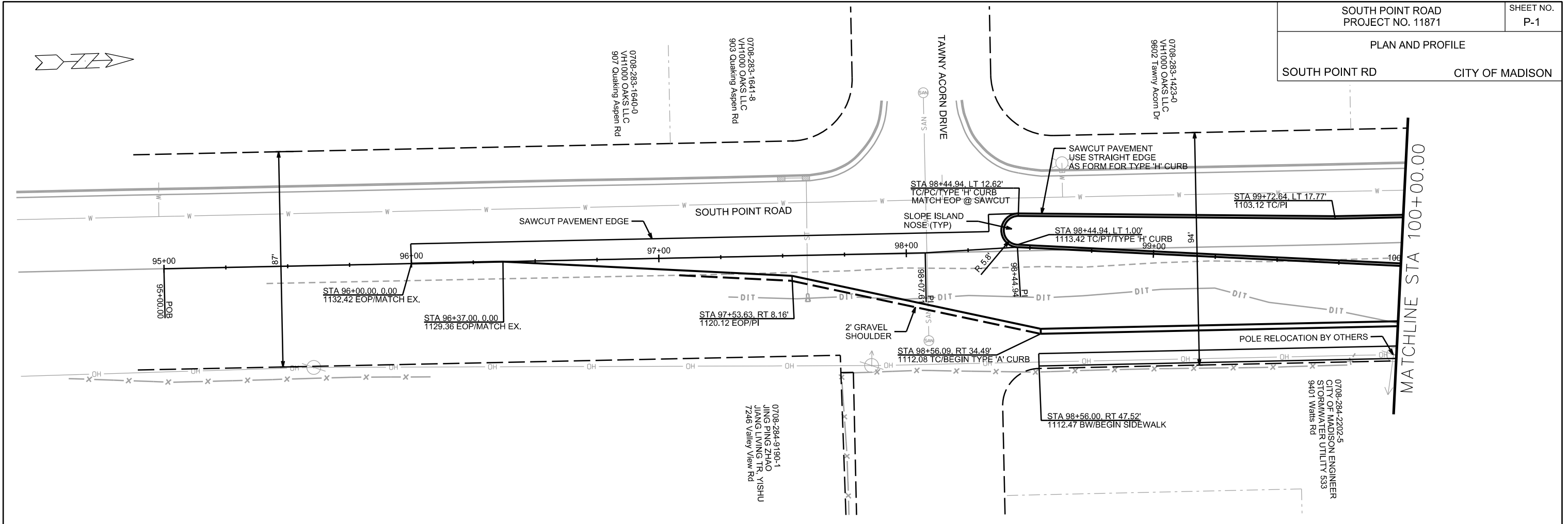


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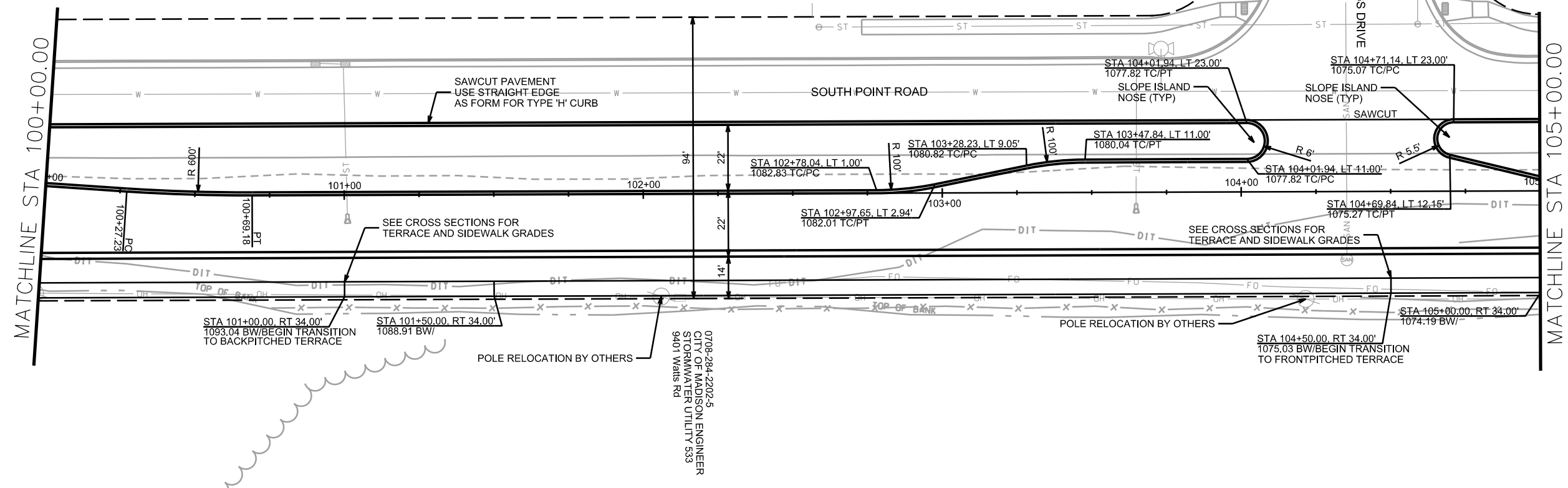
PLAN AND PROFILE

SOUTH POINT RD CITY OF MADISON



0708-283-0104-7
CITY OF MADISON PARKS
THOUSAND OAKS PARK
850 South Point Rd

0708-283-1422-2
CITY OF MADISON PARKS
THOUSAND OAKS PARK
840 South Point Rd

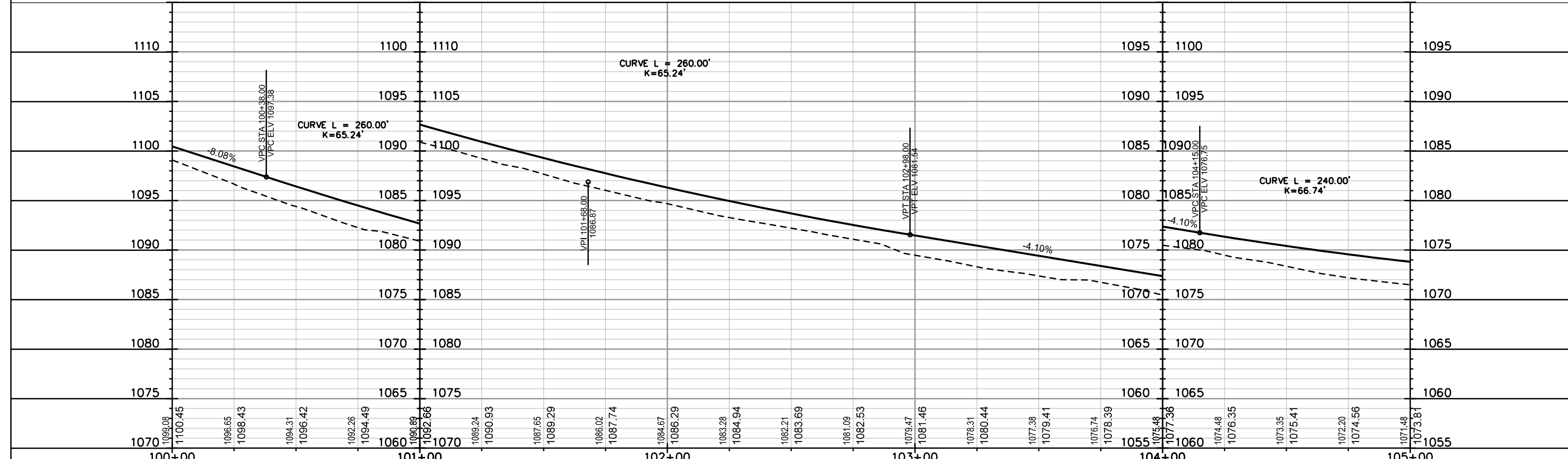


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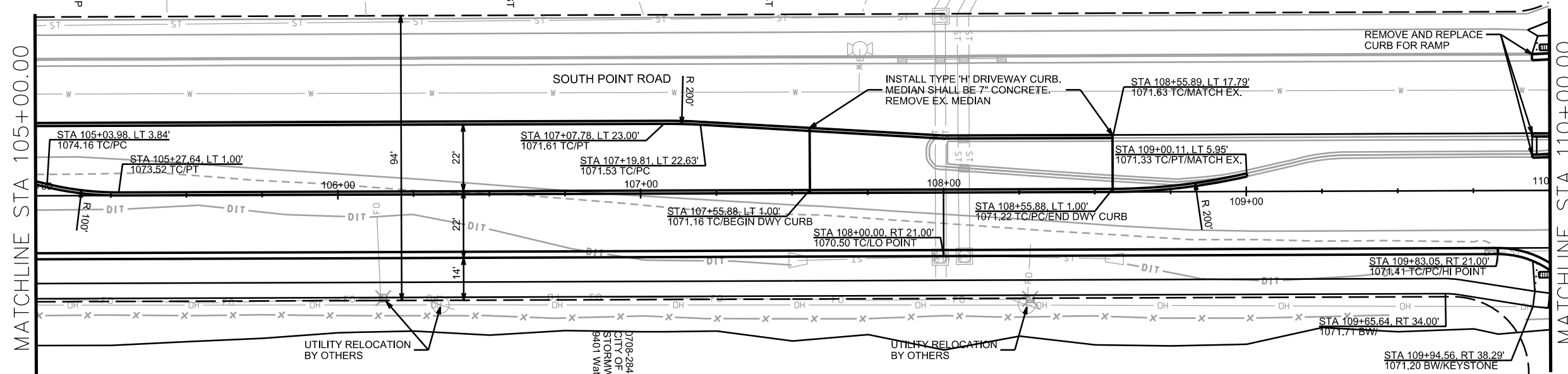
0708-283-1118-7
GRUENER, BRADLEY P
AMY M GRUENER
713 Cozy Nest Dr

0708-283-1117-9
SCOTT, MATTHEW T
SARAH J SCOTT
709 Cozy Nest Dr

0708-283-1116-1
MAASCH LIVING TRUST
705 Cozy Nest Dr

0708-283-1115-3
MAASCH LIVING TRUST
701 Cozy Nest Dr

0708-283-1101-2
CITY OF MADISON ENGINEER
STORMWATER UTILITY 533
649 Quiet Pond Dr



Station	Elevation
105+00	1071.48
105+05	1073.81
105+10	1070.78
105+15	1073.15
105+20	1070.27
105+25	1072.58
105+30	1070.53
105+35	1072.11
105+40	1070.69
105+45	1071.73
105+50	1070.86
105+55	1071.45
105+60	1071.06
105+65	1071.25
105+70	1071.07
105+75	1071.13
105+80	1070.96
105+85	1071.00
105+90	1070.78
105+95	1070.88
106+00	1070.63
106+05	1070.75
106+10	1070.58
106+15	1070.63
106+20	1070.53
106+25	1070.50
106+30	1070.54
106+35	1070.62
106+40	1070.55
106+45	1070.75
106+50	1070.66
106+55	1070.87
106+60	1070.81
106+65	1071.00
106+70	1070.93
106+75	1071.12
106+80	1071.11
106+85	1071.25
106+90	1071.33
106+95	1071.37
107+00	1071.44
107+05	1071.52

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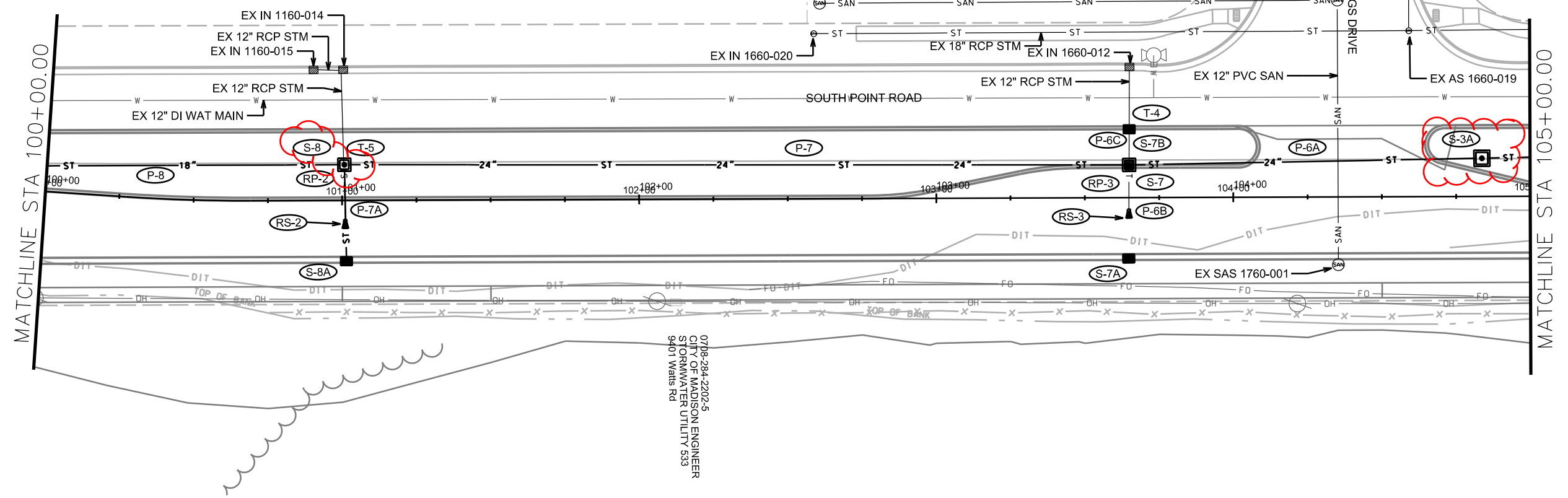
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REV 8-5-19
DAO
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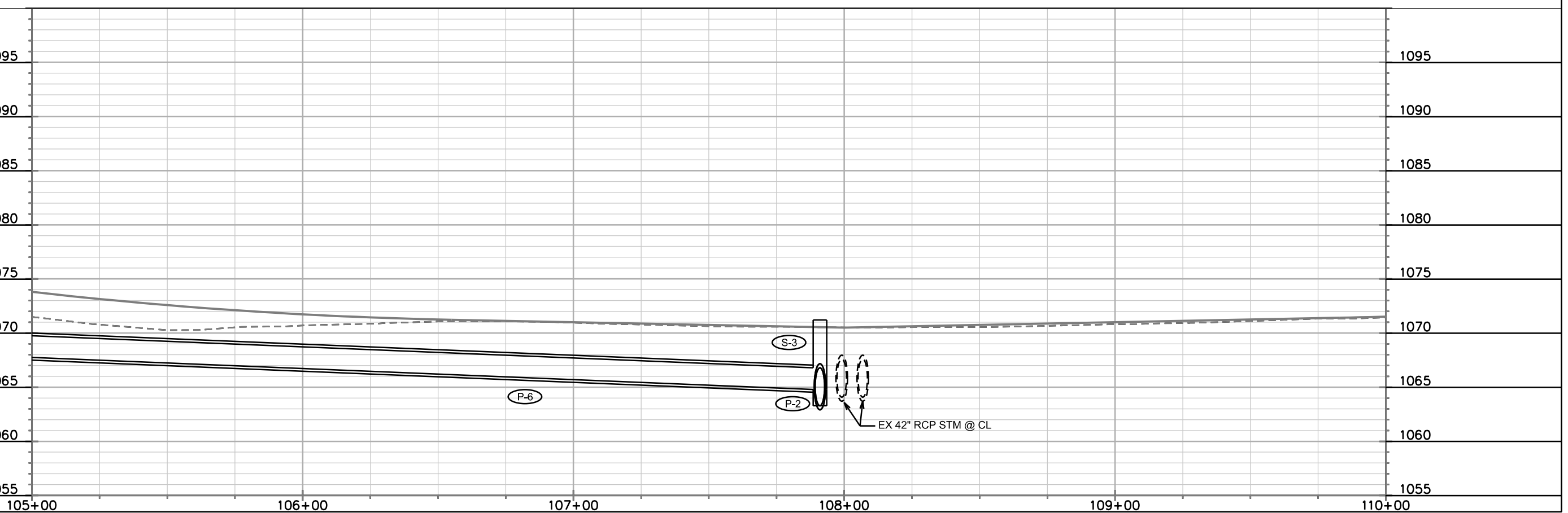
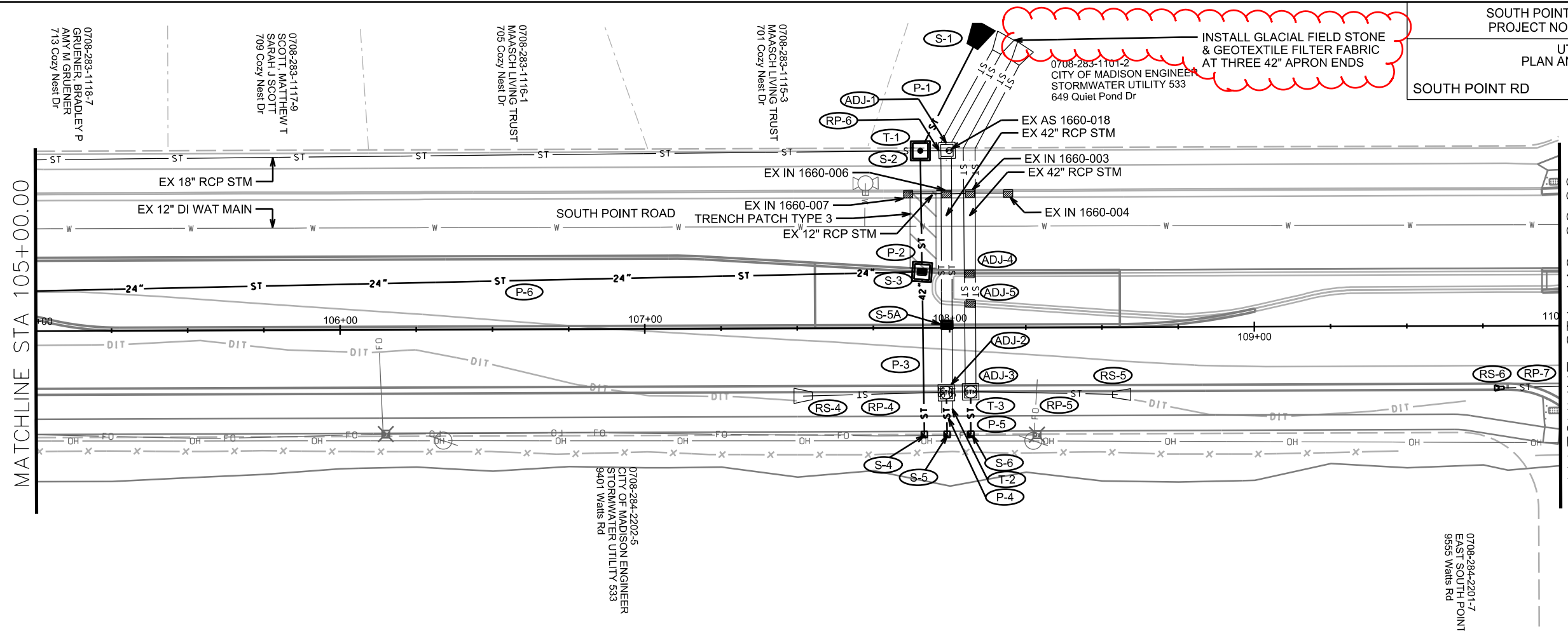
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0708-283-1118-7
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AMY M GRUENER
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STORMWATER UTILITY 533
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STORMWATER UTILITY 533
9401 Wats Rd

0708-284-2201-7
EAST SOUTH POINT
9555 Wats Rd

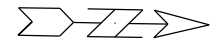
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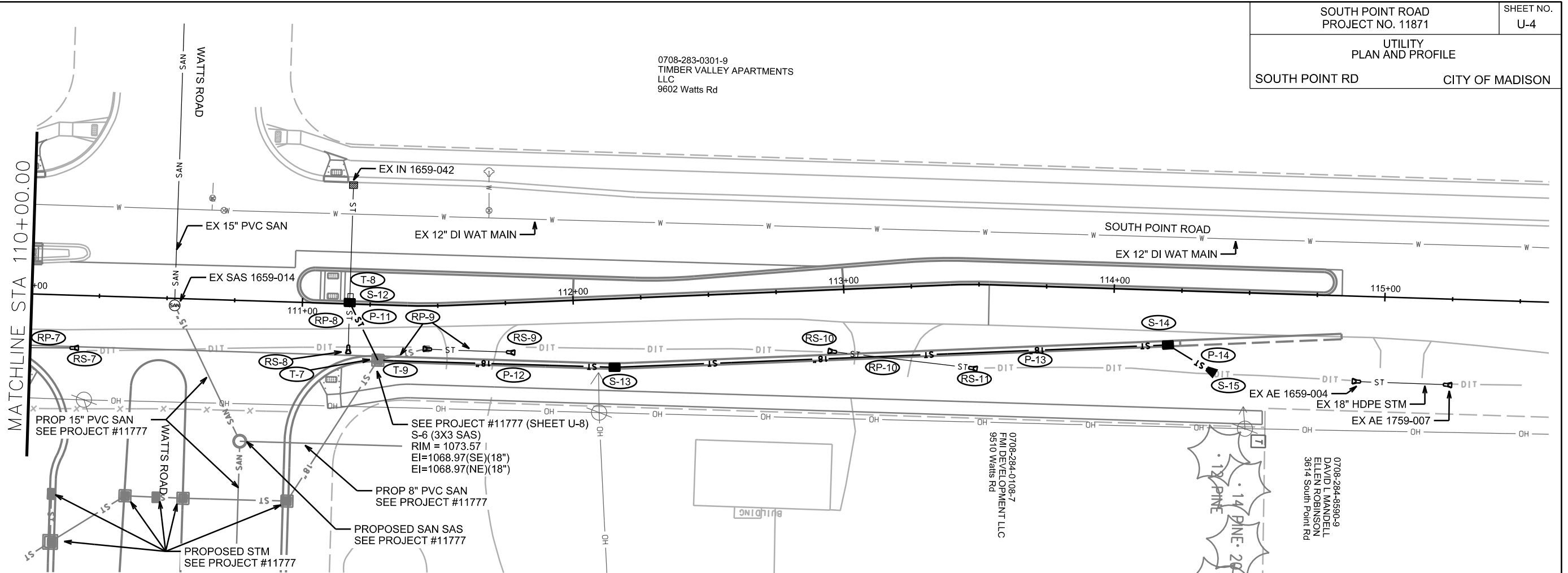
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0708-283-0301-9
TIMBER VALLEY APARTMENTS
LLC
9602 Watts Rd



MATCHLINE STA 110+00.00



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

STORM SEWER SCHEDULE

* REV 8/05/19 DAO

SOUTH POINT ROAD
PROJECT NO. 11871

SHEET NO.
U-5

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
SOUTH POINT RD							
S-1	108+11.89	LT-99.47	42" APRON END	-	1062.50	-	W/ GATE
S-2	107+90.59	LT-58.08	5X5 SAS	1071.06	1062.90	8.16	FP; W/1550-0054
T-1	107+90.59	LT-58.08	TAP	-	1065.50	-	TAP S-2
S-3	107+91.02	LT-18.34	5X5 SAS	1071.21	1063.29	7.92	FP; W/3067-7009
S-3A	104+83.70	LT-12.83	4X4 SAS	1074.74	1067.90	6.84	W/1550-0054
S-4	107+91.60	RT-35.00	COLLAR	-	1063.85	-	
T-2	107+98.84	RT-21.27	TAP	-	1063.60	-	TAP EX AS 1760-005
S-5	107+99.08	RT-35.00	COLLAR	-	1064.43	-	
S-5A	107+99.08	LT-1.00	SADDLED INLET TYPE I	1070.74	1065.83	4.91	FP; W/3067-7009; (2)
T-3	108+06.82	RT-21.00	TAP	-	1063.60	-	TAP EX AS 1760-004
S-6	108+06.83	RT-35.00	COLLAR	-	1064.43	-	
S-7	103+64.93	LT-11.00	3X3 SAS	1079.33	1072.32	7.01	W/3067-7004-V
S-7A	103+64.72	RT-20.50	H INLET	1078.81	1073.79	5.02	W/3067-7004-V
S-7B	103+65.01	LT-23.00	H INLET	1079.39	1074.89	4.50	W/3067-7004-V
T-4	103+65.01	LT-22.99	TAP	-	1075.54	-	TAP S-7B
S-8	101+00.78	LT-12.00	3X3 SAS	1092.73	1086.91	5.82	W/1878-B7G
S-8A	101+01.39	RT-20.50	H INLET	1092.56	1088.31	4.25	W/3067-7004-V
T-5	101+00.78	LT-12.00	TAP	-	1089.03	-	TAP S-8
S-9	97+59.94	RT-0.69	3X3 SAS	1119.83	1114.39	5.44	W/1550-0054
T-6	97+59.94	RT-0.69	TAP	-	1116.88	-	TAP S-9
S-10	97+59.66	RT-33.19	3X3 SAS	1121.54	1116.48	5.06	W/1878-B7L
S-11	97+43.66	RT-32.76	18" APRON END	-	1119.45	-	W/ GATE
T-7	111+28.36	RT-20.51	TAP	-	1069.47	-	(1)
S-12	111+17.45	LT-0.50	H INLET	1073.86	1070.03	3.83	W/3067-7004-V
T-8	111+17.45	LT-0.50	TAP	-	1071.40	-	TAP S-12
T-9	111+28.36	RT-20.51	TAP	-	1068.97	-	(1)
S-13	112+14.31	RT-25.37	H INLET	1076.07	1071.07	5.00	W/3067-7004-V
S-14	114+20.48	RT-20.21	H INLET	1078.76	1075.01	3.75	W/3067-7004-V
S-15	114+38.31	RT-30.37	18" APRON END	-	1075.41	-	W/ GATE

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
SOUTH POINT RD										
P-1	S-1	S-2	1062.50	1062.90	47	44	0.91%	42"	RCP	
P-2	S-2	S-3	1062.90	1063.29	39	34	1.15%	42"	RCP	
P-3	S-3	S-4	1063.29	1063.85	53	51	1.10%	42"	RCP	
P-4	ADJ-2	S-5	1064.28	1064.43	14	12	1.25%	42"	RCP	
P-5	ADJ-3	S-6	1064.28	1064.43	14	12	1.25%	42"	RCP	
P-6	S-3	S-3A	1064.79	1067.90	307	303	1.03%	24"	TYPE II	
P-6A	S-3A	S-7	1067.90	1072.32	119	115	3.84%	24"	TYPE II	
P-6B	S-7	S-7A	1073.32	1073.79	32	29	1.62%	12"	RCP	
P-6C	S-7	S-7B	1074.32	1074.89	12	10	5.70%	12"	RCP	NCM
P-7	S-7	S-8	1072.42	1086.91	264	261	5.55%	24"	TYPE II	
P-7A	S-8	S-8A	1087.91	1088.31	33	30	1.33%	12"	RCP	
P-8	S-8	S-9	1087.41	1114.39	340	337	8.01%	18"	TYPE II	
P-9	S-9	S-10	1114.49	1116.48	33	30	6.63%	18"	TYPE II	
P-10	S-10	S-11	1117.23	1119.45	16	15	14.80%	18"	TYPE II	
P-11	T-6	S-12	1069.47	1070.03	24	23	2.43%	12"	RCP	
P-12	T-6	S-13	1068.97	1071.07	87	86	2.44%	18"	TYPE II	
P-13	S-13	S-14	1071.17	1075.01	205	202	1.90%	18"	TYPE II	
P-14	S-14	S-15	1075.11	1075.41	21	19	1.58%	18"	TYPE II	

REV 8-5-19 DAO
Revised structure elevations due to median being dished rather than crowned.

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

SPECIFIC NOTES

- (1) TAP UNNAMED STRUCTURE, SEE PROJECT #11777 (S-6)
- (2) INVERT GIVEN IS APPROX DEPTH FROM TOC TO SPRING-LINE OF EX 42" RCP STM
- (3) CENTER OF STRUCTURE IS AT THE FACE OF CURB

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)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

SOUTH POINT ROAD
PROJECT NO. 11871

SHEET NO.
U-6

STORM SEWER SCHEDULE

CITY OF MADISON

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
SOUTH POINT RD					
RS-1	AE 1761-002	97+59.79	RT-17.39	APRON END	(1)
RS-2	AE 1660-016	101+01.02	RT-8.23	APRON END	(1)
RS-3	AE 1660-013	103+64.86	RT-5.71	APRON END	(1)
RS-4	AE 1760-005	170+51.87	RT-22.27	APRON END	(1)
RS-5	AE 1760-002	108+55.05	RT-22.10	APRON END	(1)
RS-6	AE 1659-010	109+80.18	RT-20.40	APRON END	(1)
RS-7	AE 1659-009	110+16.45	RT-19.49	APRON END	(1)
RS-8	AE 1759-008	111+17.47	RT-16.98	APRON END	(1)
RS-9	AE 1659-005	111+76.33	RT-18.30	APRON END	(1)
RS-10	AE 1659-004	112+94.76	RT-22.78	APRON END	(1)
RS-11	AE 1759-007	113+47.97	RT-31.04	APRON END	(1)

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
SOUTH POINT RD							
RP-1	RS-1	S-9	20	12"	RCP	N	
RP-2	RS-2	S-8	24	12"	RCP	N	
RP-3	RS-3	S-7	31	12"	RCP	N	
RP-4	RS-4	ADJ-2	47	18"	RCP	Y	
RP-5	RS-5	ADJ-3	46	18"	RCP	Y	
RP-6	S-2	ADJ-1	13	18"	RCP	N	RECONNECT TO S-2
RP-7	RS-6	RS-7	33	18"	HDPE	Y	
RP-8	RS-8	S-12	20	12"	RCP	Y	
RP-9	T-9	RS-9	50	18"	HDPE	N	
RP-10	RS-10	RS-11	55	18"	HDPE	N	

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
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STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES	NOTES
ADJ-1	107+99.35	LT-58.16				(2)	
ADJ-2	107+98.86	RT-21.32	1069.99	1070.50	0.51	LP; INSTALL NEW CASTING (R-3067-7004-VB); (2)	
ADJ-3	108+06.83	RT-21.03	1069.97	1070.53	0.56	INSTALL NEW CASTING (R-3067-7004-V); (2)	
ADJ-4	108+06.83	LT-17.81	1071.42	1070.82	-0.60	INSTALL NEW CASTING (R-3067-7009)	
ADJ-5	108+06.96	LT-9.19	1070.85	1071.26	0.41	INSTALL NEW CASTING (R-1878-B7G)	

SPECIFIC NOTES

- (1) AE REMOVAL INCLUDED WITH PIPE REMOVAL
- (2) INSTALL PIPE PLUG (18" RCP)

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
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- 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)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

ELECTRICAL PLANS

SOUTH POINT RD.









CITY OF MADISON

JLS 5/1/19

GENERAL NOTES:

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS, INCLUDING SETBACK, IN THE FIELD AFTER CONTRACTOR SURVEYS AND STAKES CURB AND SIDEWALK LOCATIONS. THE CONTRACTOR SHALL NOTIFY JERRY SCHIPPA (267-1969), CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING CONDUIT, HANDHOLES, OR BASE LOCATIONS MARKED.
2. BASES INSTALLED IN TERRACES SHALL BE 4' FROM FACE OF CURB UNLESS OTHERWISE NOTED, SUBJECT TO NOTE 1 ABOVE.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH "CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2019 EDITION" AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC, SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
4. THE CONTRACTOR SHALL CALL MIKE BENZSCHAWEL (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF PLACING BASES, INSTALLING HANDHOLES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
5. ANY WORK COMPLETED WITHOUT INSPECTION IS SUBJECT TO REJECTION.
6. EXISTING STREETLIGHTS SHALL BE IN SERVICE EACH AND EVERY NIGHT THROUGH THE DURATION OF THE PROJECT.
7. ALL SIGNING AND BARRICADING SHALL CONFORM WITH THE FEDERAL HIGHWAYS ADMINISTRATIONS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD) AND THE CITY OF MADISON STANDARDS FOR SIDEWALK AND BIKEWAY CLOSURES AND THE STATE OF WISCONSIN STANDARD DETAIL DRAWING S.D.D. 15D3.
8. THE CONTRACTOR SHALL ARRANGE FOR PICK UP OF THE FOLLOWING CITY FURNISHED MATERIALS, WHICH SHOULD BE ARRANGED FOR PICKUP BY CALLING ED SMITH, TRAFIC ENGINEERING SHOP, 266-9034 1120 SAYLE STREET, AT LEAST 24-HOURS PRIOR TO NEEDING MATERIALS:
 - (44) 1" X 40" ANCHOR BOLTS FOR (11) LB-3 BASES

LEGEND

-  EXISTING STREET LIGHT
-  EXISTING CONDUIT
-  EXISTING HANDHOLE
-  STREET LIGHTING CONDUIT (2" UNLESS OTHERWISE NOTED)
-  COMMUNICATIONS CONDUIT (3" UNLESS OTHERWISE NOTED)
-  LB-3 BASE
-  TYPE I HANDHOLE
-  TYPE P BASE

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



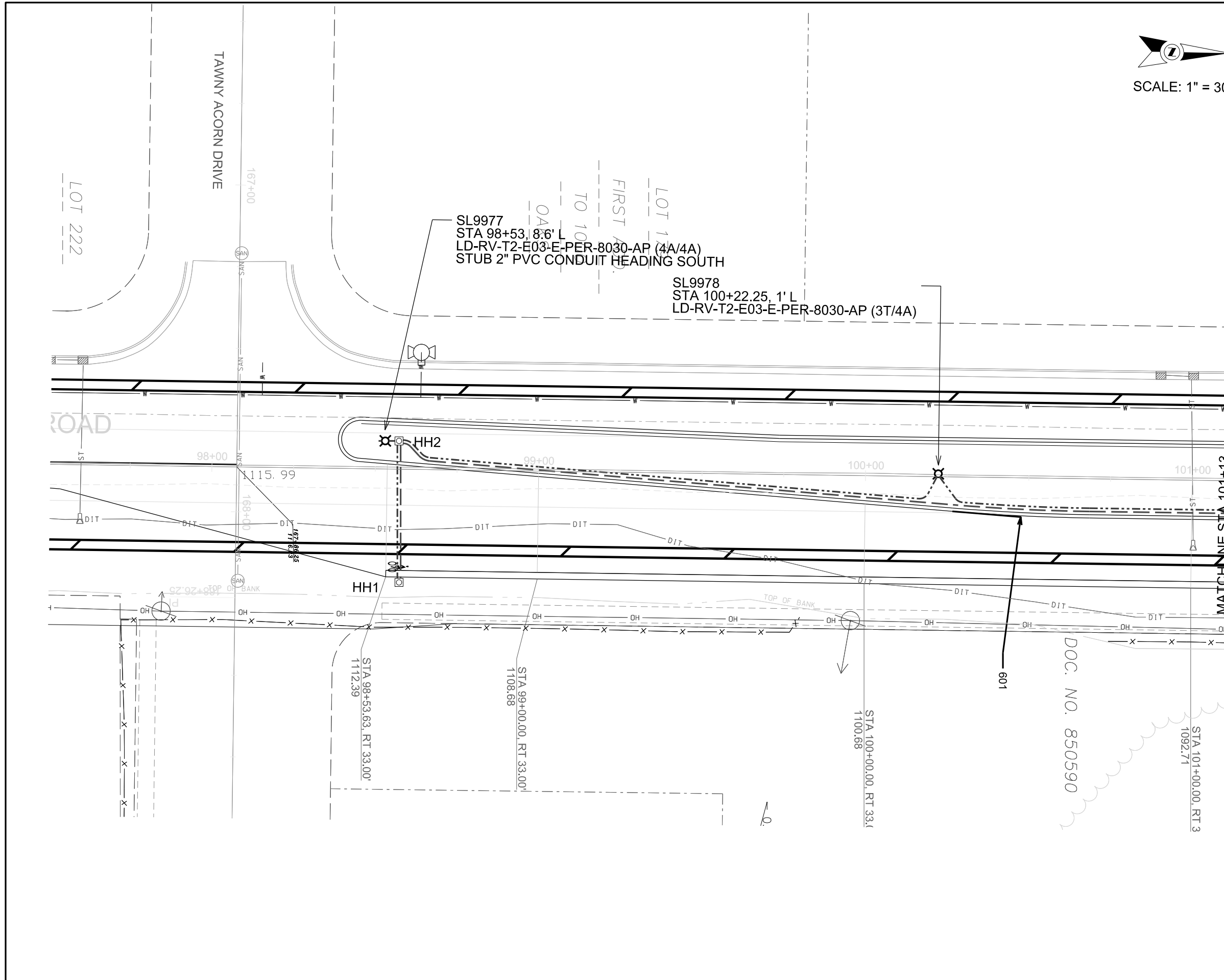
SCALE: 1" = 30'

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



MATCHLINE STA 101+13

DOC. NO. 850590

STA 101+00.00, RT 3
1092.71

STA 100+00.00, RT 33.1
1100.68

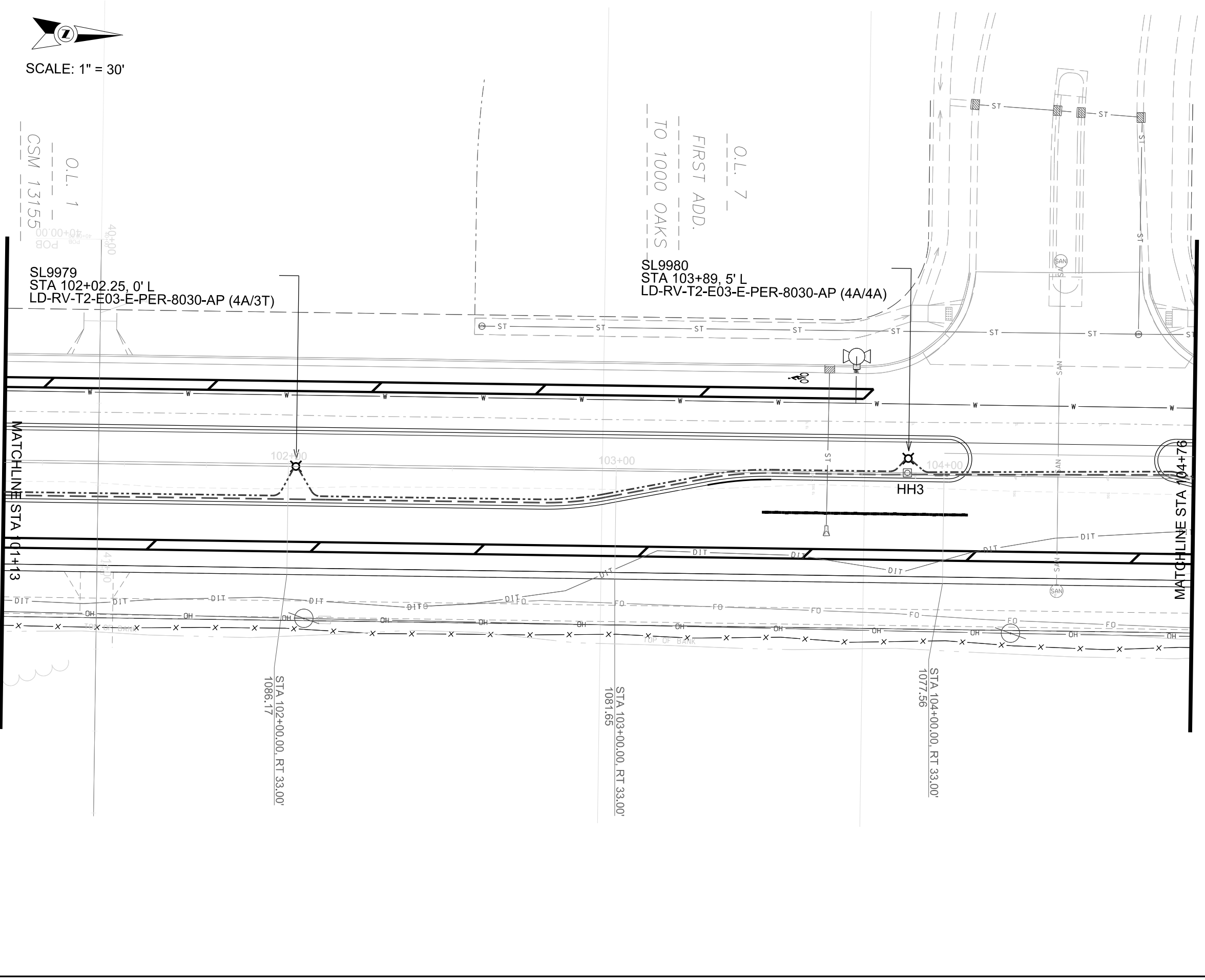
STA 99+00.00, RT 33.00
1108.68

STA 98+53.63, RT 33.00
1112.39



SCALE: 1" = 30'

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





SCALE: 1" = 30'

FIRST ADD. TO 1000 OAKS

LOT 132

LOT 131

LOT 130

LOT 129

SL9981
STA 105+63, 0' L
LD-RV-T2-E03-E-PER-8030-AP (3T/4A)

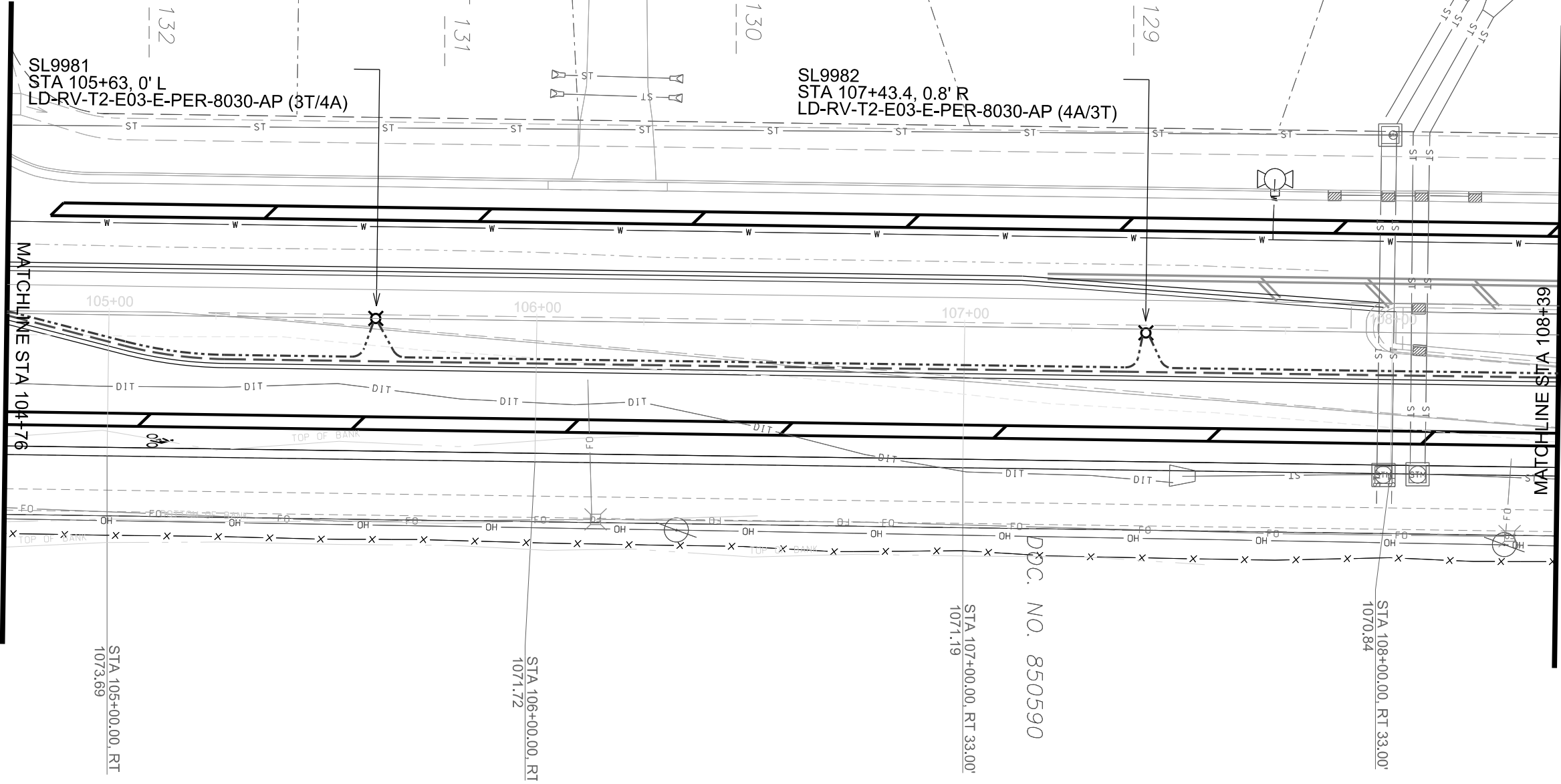
SL9982
STA 107+43.4, 0.8' R
LD-RV-T2-E03-E-PER-8030-AP (4A/3T)

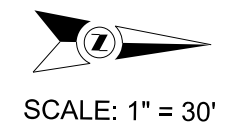
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PLOT NAME:

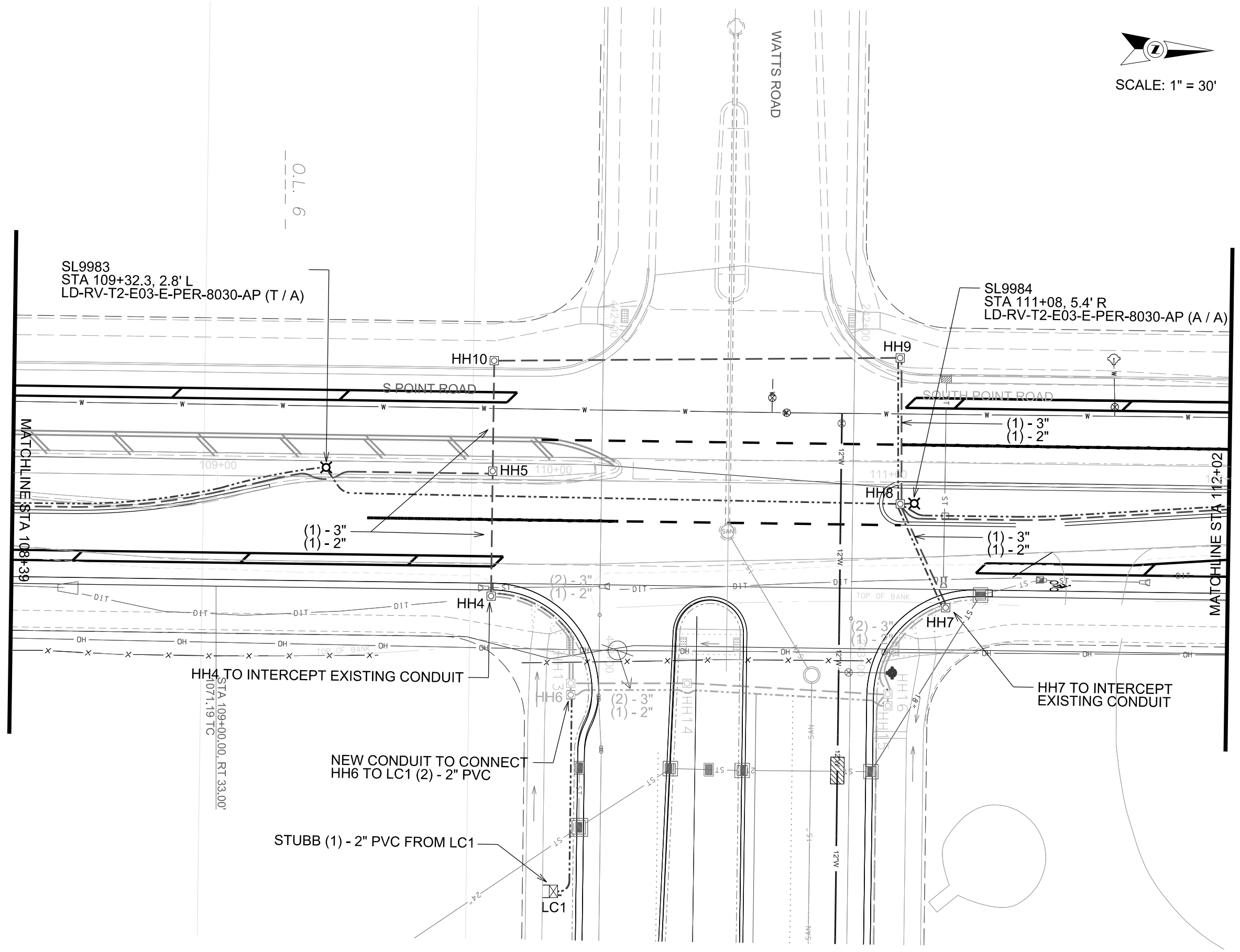
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





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





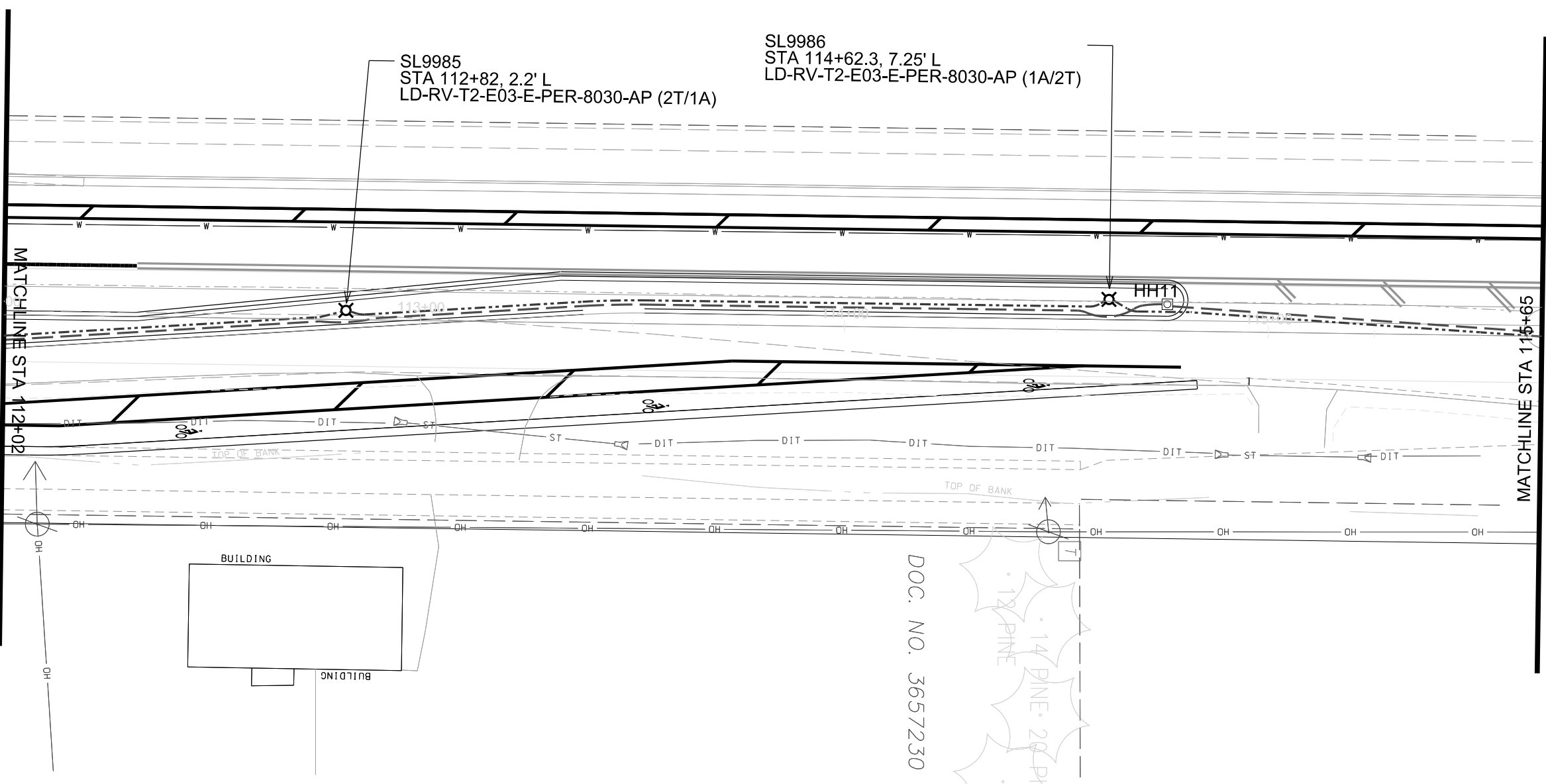
SCALE: 1" = 30'

LOT 3
1000 OAKS

SL9985
STA 112+82, 2.2' L
LD-RV-T2-E03-E-PER-8030-AP (2T/1A)

SL9986
STA 114+62.3, 7.25' L
LD-RV-T2-E03-E-PER-8030-AP (1A/2T)

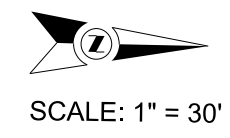
HH11



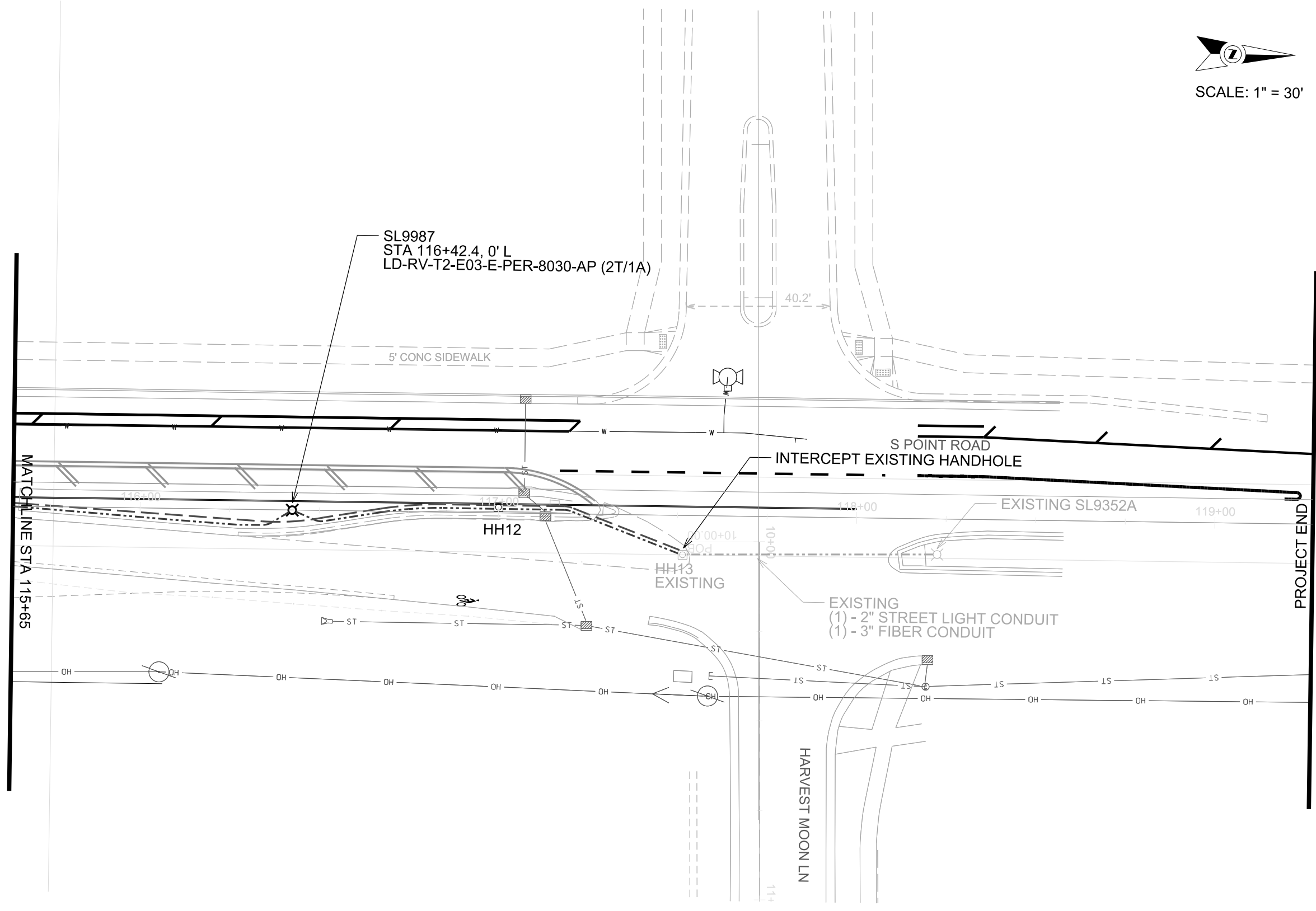
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PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



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



ELECTRICAL PLAN

MISC. QTY

CITY OF MADISON

11871 - STREET LIGHT HANDHOLE & BASES

Description	STA	OFFSET	Construct	Construct	Construct	Electrical	Comments
			LB-3 Base	Type M	Electrical	Handhole Type I	
			60403 (EA)	60412 (EA)	60702 (EA)	90001 (EA)	
SL9977	STA 98+53	8.6' L	1	-	-	-	
HH2	STA 98+57	8.6' L	-	-	1	-	
SL9978	STA 100+22.25	1' L	1	-	-	-	
SL9979	STA 102+02.25	0' L	1	-	-	-	
SL9980	STA 103+89	5' L	1	-	-	-	
SL9981	STA 105+63	0' L	1	-	-	-	
SL9982	STA 107+43.4	0.8' L	1	-	-	-	
SL9983	STA 109+32.3	2.8' L	1	-	-	-	
SL9984	STA 11+08	5.4' R	1	-	-	-	
SL9985	STA 112+82	2.2' L	1	-	-	-	
SL9986	STA 114+62.3	7.25' L	1	-	-	-	
SL9987	STA 116+42.4	0' L	1	-	-	-	
HH12	STA 116+98	1.5' L	-	-	1	-	
LC1	STA 110+01.8	123' R	-	1	-	1	
SUBTOTAL			11	1	2	1	

11871 - STREET LIGHT CONDUIT QUANTITIES

From	To	Furnish & Install 2		Furnish & Install 3		Gopher Raceway		Comments
		INCH PVC Conduit		INCH PVC Conduit		For Electrical		
		Sch 40	Sch 80	Sch 40	Sch 80	Conduit or Cable-	Electrical Trench	
		60232	60230	60224	60222	in-duct	60261	
		(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	
HH1	HH2	-	44	-	-	-	44	
SL9977	HH2	4	-	-	-	-	4	
HH2	SL9978	172	-	-	-	-	172	
SL9978	SL9979	188	-	-	-	-	188	
SL9979	SL9980	193	-	-	-	-	193	
SL9980	SL9981	181	-	-	-	-	181	
SL9981	SL9982	190	-	-	-	-	190	
SL9982	SL9983	195	-	-	-	-	195	
SL9983	HH8	-	175	-	-	175	-	
HH8	HH9	-	44	-	-	44	-	
HH8	HH7	-	34	-	-	34	-	
HH6	LC1	124	-	-	-	-	62	
LC1	END	2	-	-	-	-	-	
HH8	SL9984	4	-	-	-	-	4	
HH8	SL9985	181	-	-	-	-	181	
SL9985	SL9986	181	-	-	-	-	181	
SL9986	SL9987	-	182	-	-	182	-	
SL9987	HH2	23	-	-	-	-	23	
HH2	HH13	-	36	-	-	-	36	
SUBTOTAL		1638	515	0	0	435	1654	

11871 - TRAFFIC SIGNAL HANDHOLE & BASES

Description	STA	OFFSET	Construct	Construct	Construct	Electrical	Comments
			LB-3 Base	Type M	Electrical	Handhole Type I	
			60403 (EA)	60412 (EA)	60702 (EA)	90001 (EA)	
HH1	STA 98+57.8	35' R	-	-	1	-	
HH3	STA 103+88.8	0.5' L	-	-	1	-	
HH4	STA 109+82	35' R	-	-	1	-	
HH5	STA 109+82	2.5' L	-	-	1	-	
HH7	STA 111+17.5	36.5' R	-	-	1	-	
HH8	STA 111+03.8	5.5' R	-	-	1	-	
HH9	STA 111+03	37.8' L	-	-	1	-	
HH10	STA 109+82	35.4' L	-	-	1	-	
HH11	STA 114+76	6.3' L	-	-	1	-	
SUBTOTAL			0	0	9	0	

11871 - TRAFFIC SIGNAL CONDUIT QUANTITIES

From	To	Furnish & Install 2		Furnish & Install 3		Gopher Raceway		Comments
		INCH PVC Conduit		INCH PVC Conduit		For Electrical		
		Sch 40	Sch 80	Sch 40	Sch 80	Conduit or Cable-	Electrical Trench	
		60232	60230	60224	60222	in-duct	60261	
		(LF)	(LF)	(LF)	(LF)	(LF)	(LF)	
HH1	HH2	-	-	-	44	-	-	
HH2	HH3	-	-	535	-	-	-	
HH3	HH5	-	-	515	80	-	-	
HH5	HH10	-	34	-	34	34	-	
HH5	HH4	-	37	-	37	37	-	
HH10	HH9	-	122	-	122	122	-	
HH9	HH8	-	45	-	45	45	-	
HH8	HH7	-	34	-	34	-	-	
HH8	HH11	-	-	375	-	-	-	
HH11	HH12	-	-	-	225	-	-	
HH12	HH13	-	-	-	36	-	-	
SUBTOTAL		0	272	1425	657	238	0	

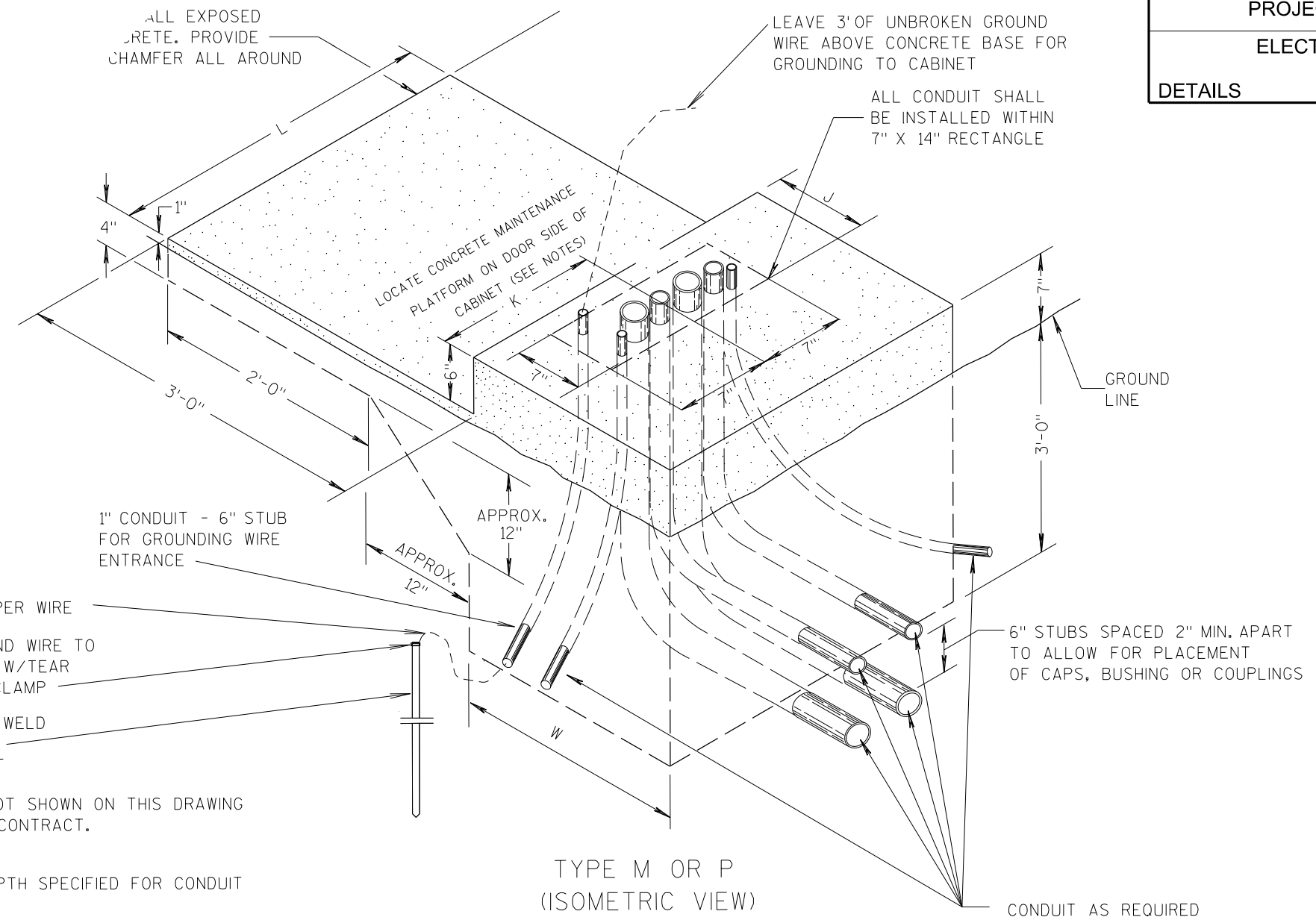
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

CONTROL CABINET BASE TYPE	DIMENSIONS				C.Y. CONCRETE (APPROX.)
	L	W	J	K	
TYPE M	40"	30"	12"	20"	1.132
TYPE P	48"	30"	16"	24"	1.549
TYPE M MODIFIED	-	-	-	-	-
TYPE P MODIFIED	-	-	-	-	-
TYPE OTHER	-	-	-	-	-



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

ALL CONDUIT SHALL BE PVC, SCHEDULE 40

DEPTH OF CONDUIT EXITING THE BASE SHALL MATCH THE DEPTH SPECIFIED FOR CONDUIT INSTALLATION.

ANY EXCEPTION TO THE MAXIMUM DEPTH SHALL BE ONLY WITH THE WRITTEN APPROVAL OF THE ENGINEER.

CONTROL CABINET BASE TOP SURFACES SHALL BE TROWEL FINISHED AND LEVEL.

MAINTENANCE PLATFORM SHALL NOT BE INSTALLED WHEN THE SURROUNDING AREA IS PAVED.

MINIMUM BENDING RADIUS OF CONDUIT = 6 X THE DIAMETER.

ALL CONDUIT ENDS AT THE TOP OF CONCRETE BASES SHALL BE CAPPED OR PLUGGED IMMEDIATELY AFTER PLACEMENT AND BEFORE CONCRETE IS POURED. CONDUITS IN WHICH WIRE OR CABLE IS NOT BEING INSTALLED SHALL REMAIN CAPPED OR PLUGGED.

CONCRETE FORM DEPTH BELOW FINISHED GRADE SHALL BE 6" MINIMUM. CONCRETE FORMS SHALL BE REMOVED AFTER CONCRETE HAS SET.

CONDUITS SHALL EXIT THE BASE IN THE DIRECTION OF THE STRUCTURE IT IS TERMINATING INTO.

MAINTENANCE PLATFORM SIZE MAY VARY ON ACCOUNT OF CONDITIONS. VERIFY THE MAINTENANCE PLATFORM SIZE WITH ENGINEER PRIOR TO POURING BASE.

CONCRETE CONTROL CABINET BASES

DETAIL: CONCRETE CONTROLLER CABINET BASE

PLOT SCALE:

PLOT NAME:

REV. DATE:

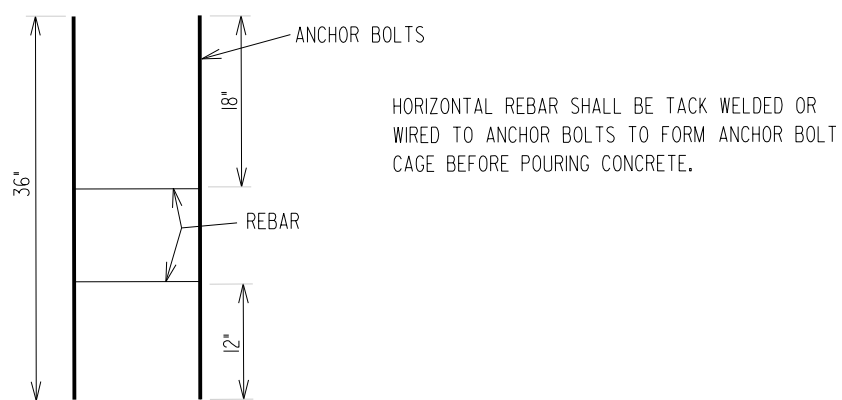
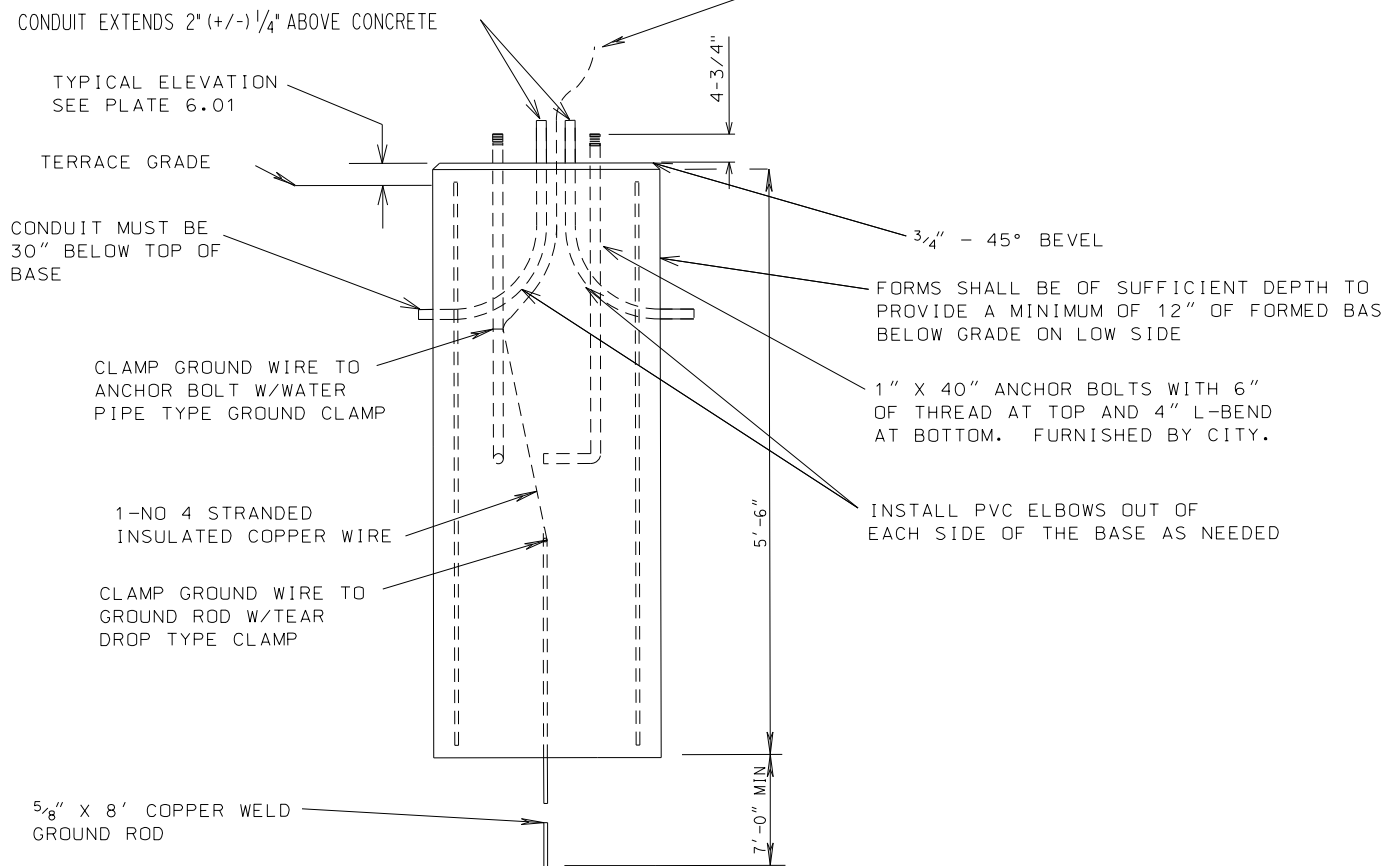
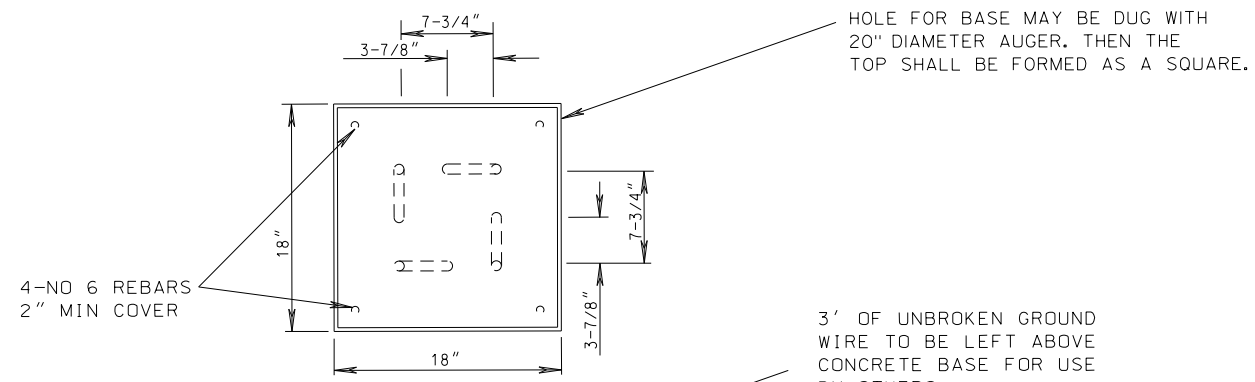
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

PLOT SCALE:

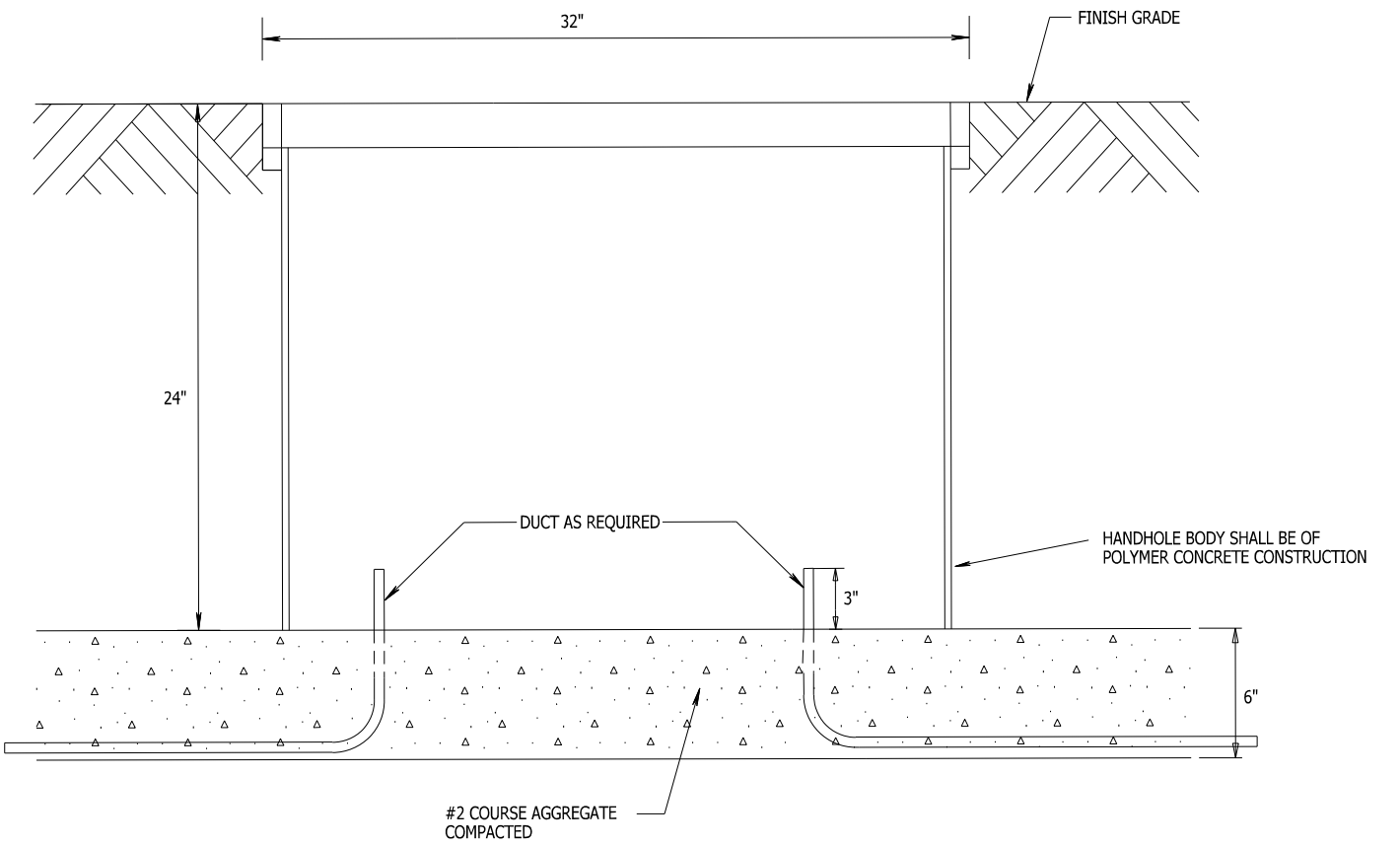
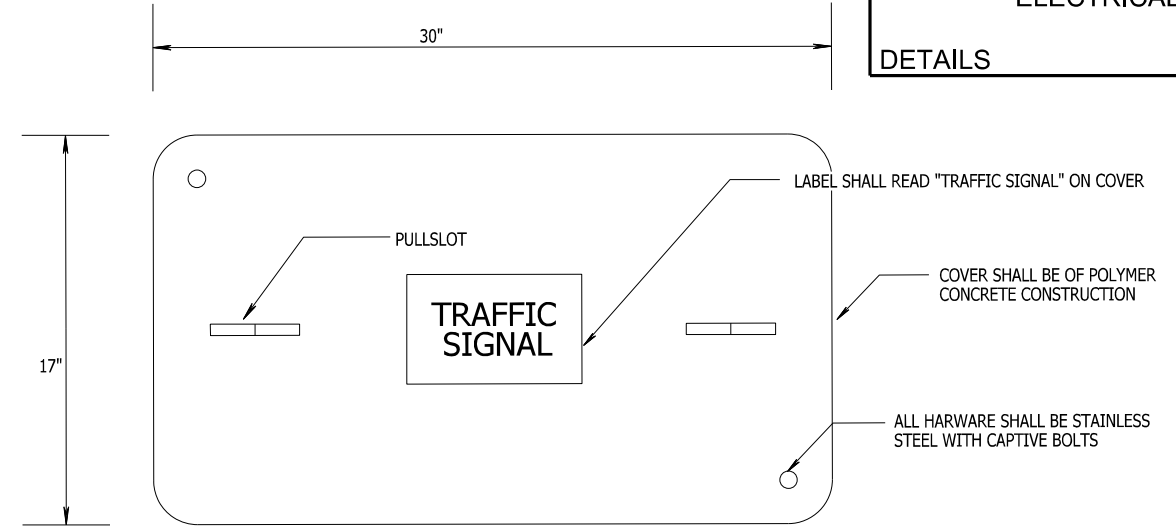
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



DETAIL: LB-3 BASE



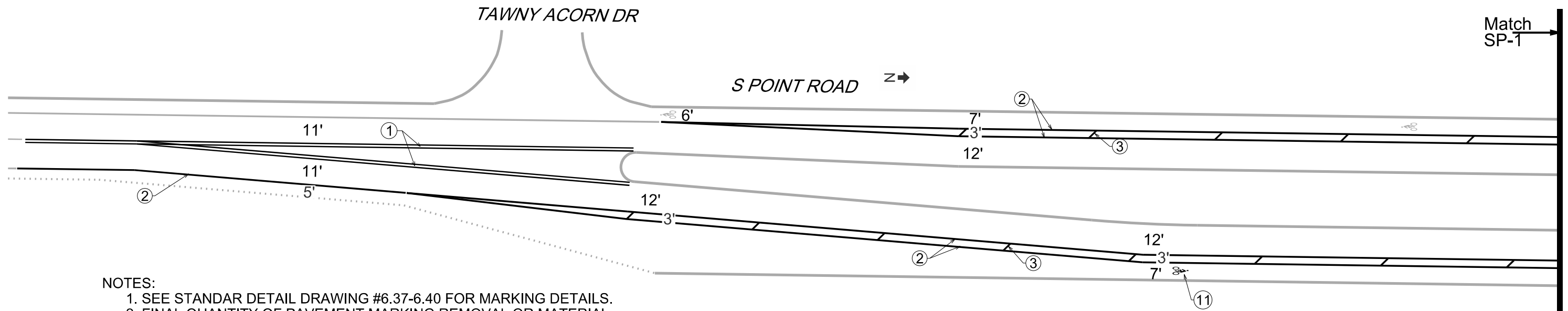
DETAIL: TYPE I HANDHOLE

PLOT SCALE:

PLOT NAME:

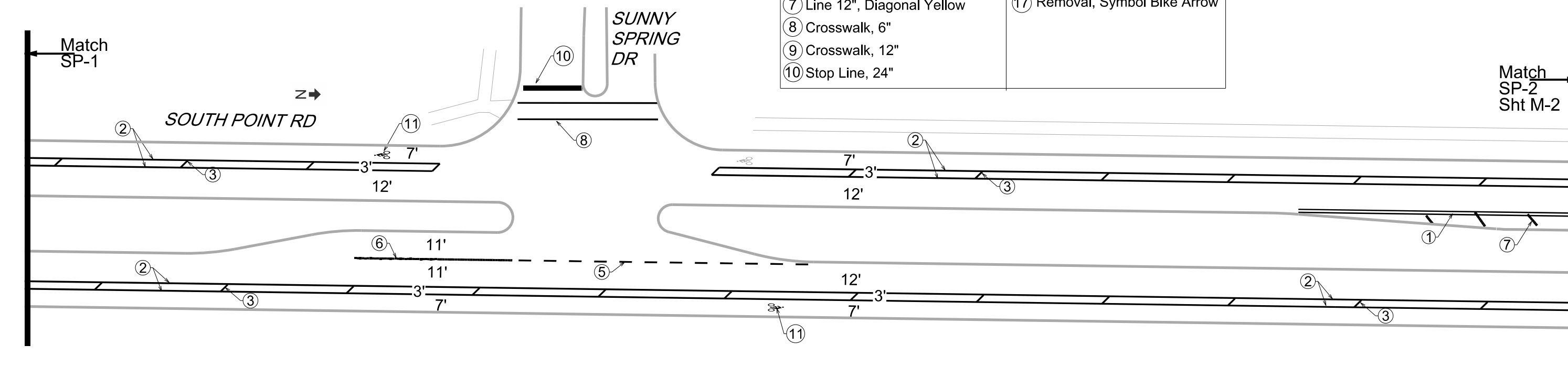
REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



NOTES:
 1. SEE STANDAR DETAIL DRAWING #6.37-6.40 FOR MARKING DETAILS.
 2. FINAL QUANTITY OF PAVEMENT MARKING REMOVAL OR MATERIAL MAY CHANGE, DEPENDING ON ACTUAL PAVEMENT SAW CUT LIMITS DURING CONSTRUCTION.

Pavement Marking Legend	
① Line 4", Dbl Yellow	⑪ Symbol, Bike
② Line 6", Solid White	⑫ Symbol, Bike Sharrow
③ Line 6", Diagonal White	⑬ Removal, 4" Double Line
④ Line 6", 2' Line x 6' Gap White	⑭ Removal, 6" Line
⑤ Line 6", 5' Line x 5' Gap White	⑮ Removal, Symbol Arrow
⑥ Line 8", Solid White	⑯ Removal, Symbol Bike Lane
⑦ Line 12", Diagonal Yellow	⑰ Removal, Symbol Bike Arrow
⑧ Crosswalk, 6"	
⑨ Crosswalk, 12"	
⑩ Stop Line, 24"	

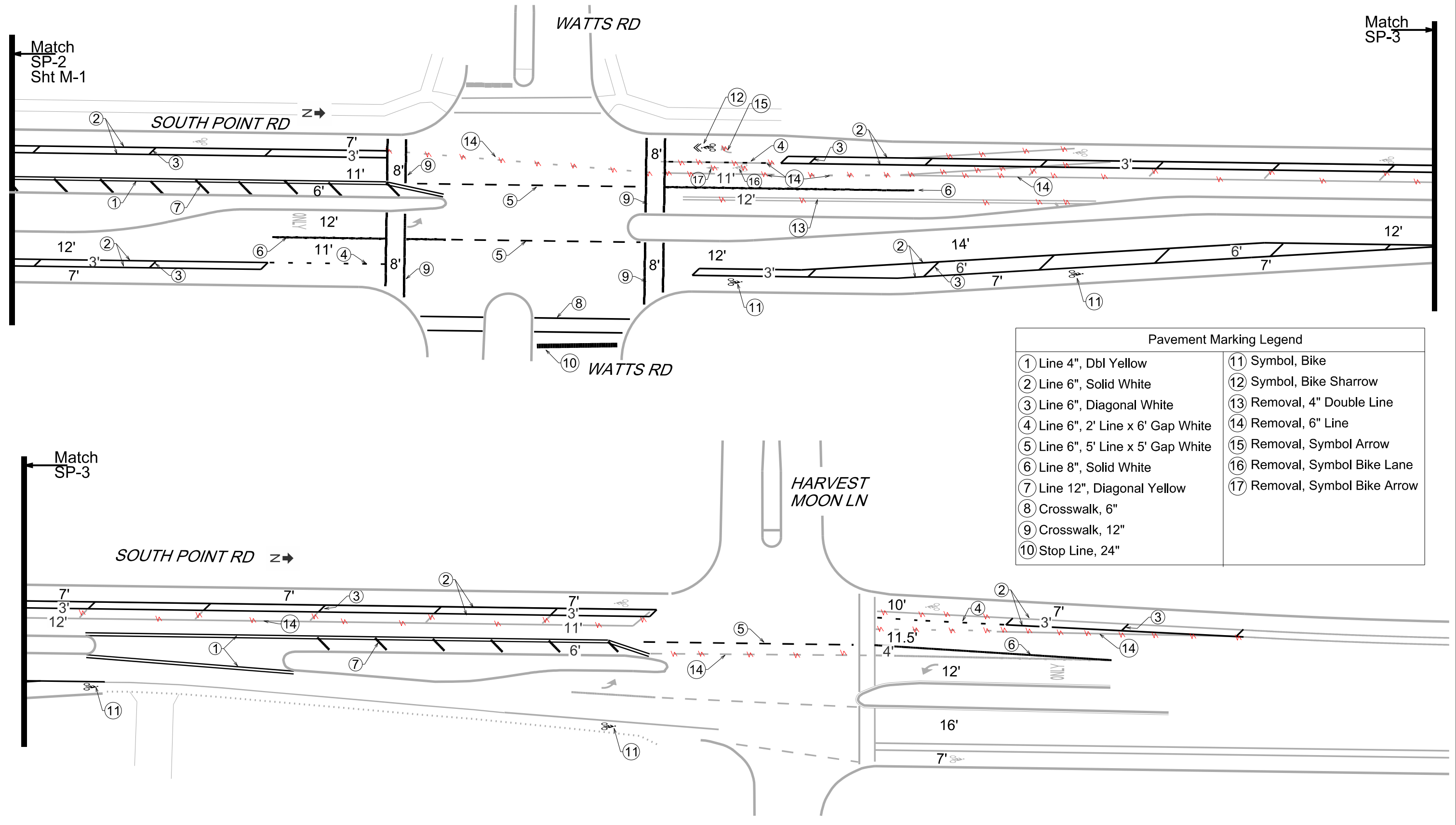


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



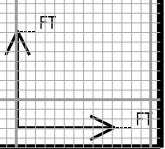
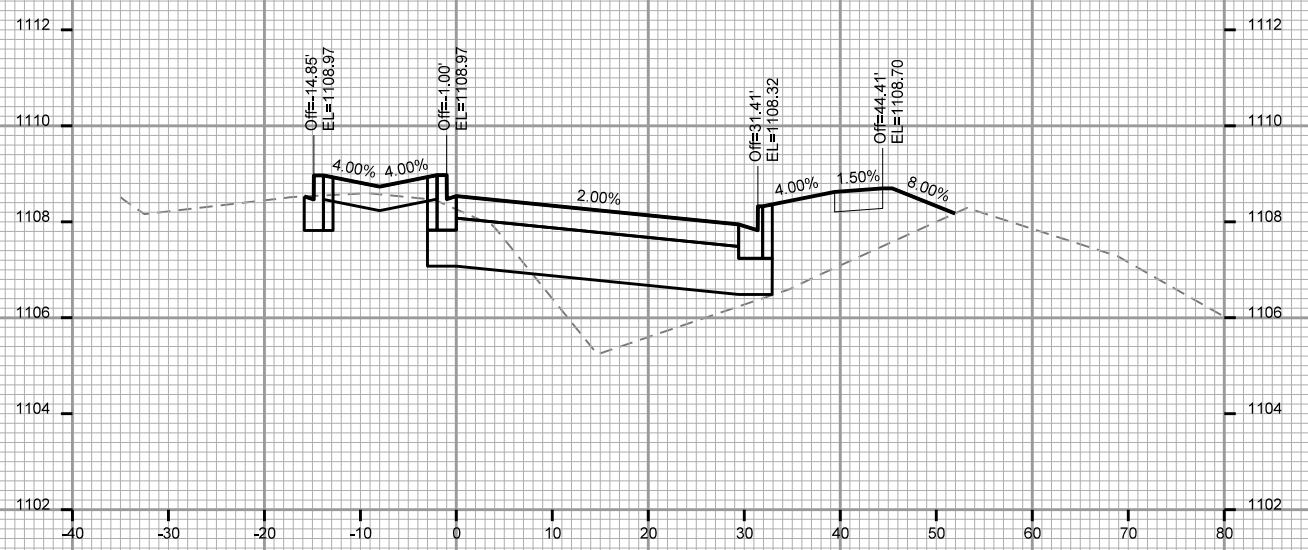
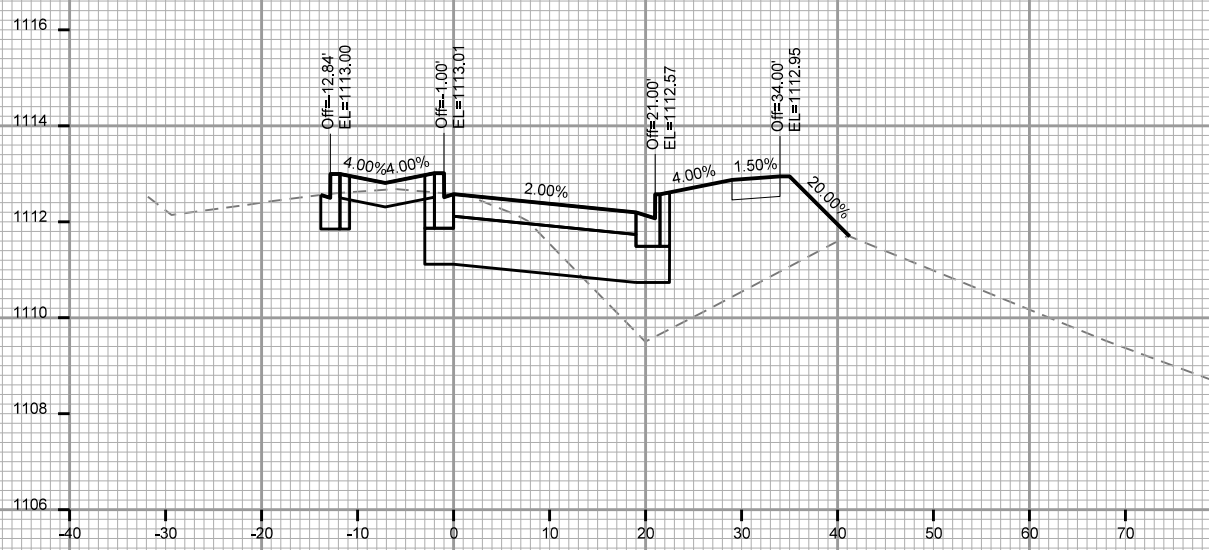
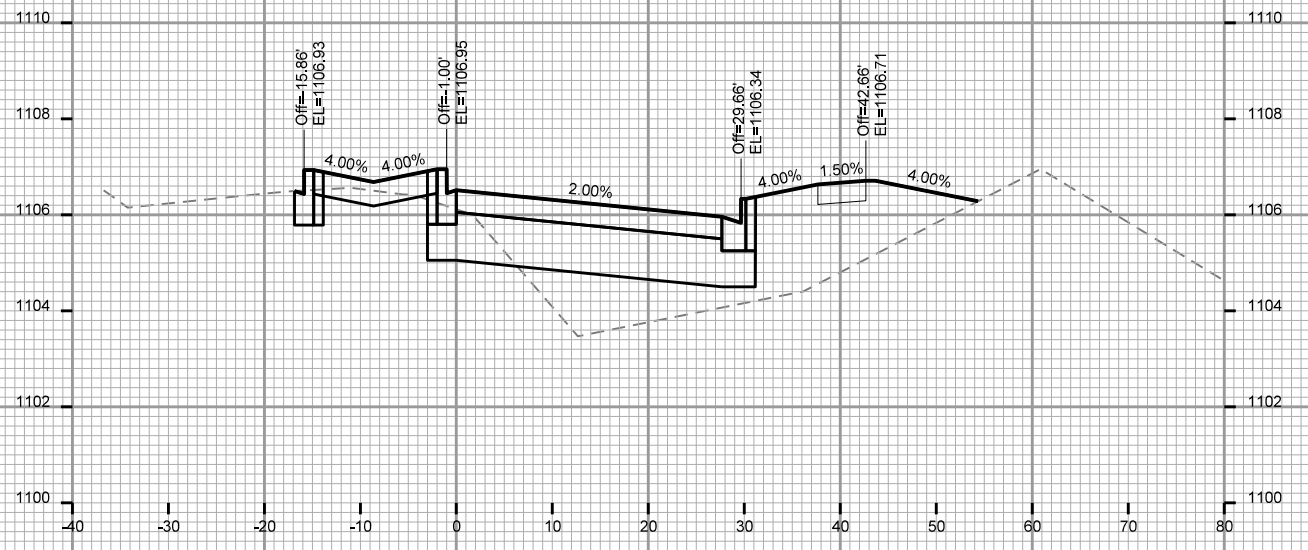
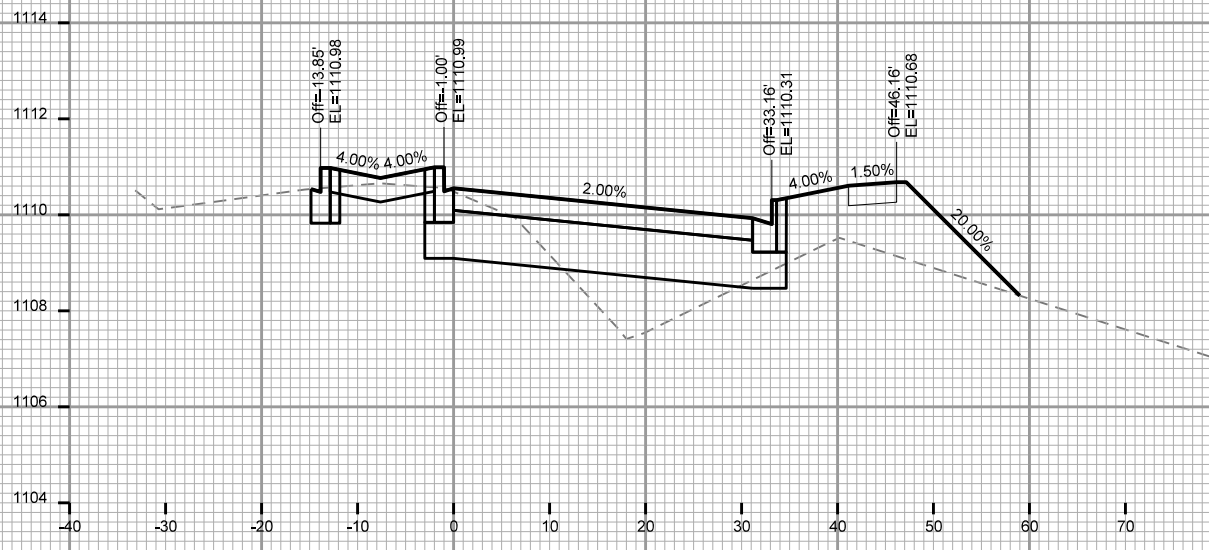
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⑥ Line 8", Solid White	⑯ Removal, Symbol Bike Lane
⑦ Line 12", Diagonal Yellow	⑰ Removal, Symbol Bike Arrow
⑧ Crosswalk, 6"	
⑨ Crosswalk, 12"	
⑩ Stop Line, 24"	

CROSS SECTIONS

SOUTH POINT RD

CITY OF MADISON

REV 8-12-19 CWD
Median revised to
be dished rather
than crowned.



PLOT SCALE: _____

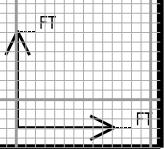
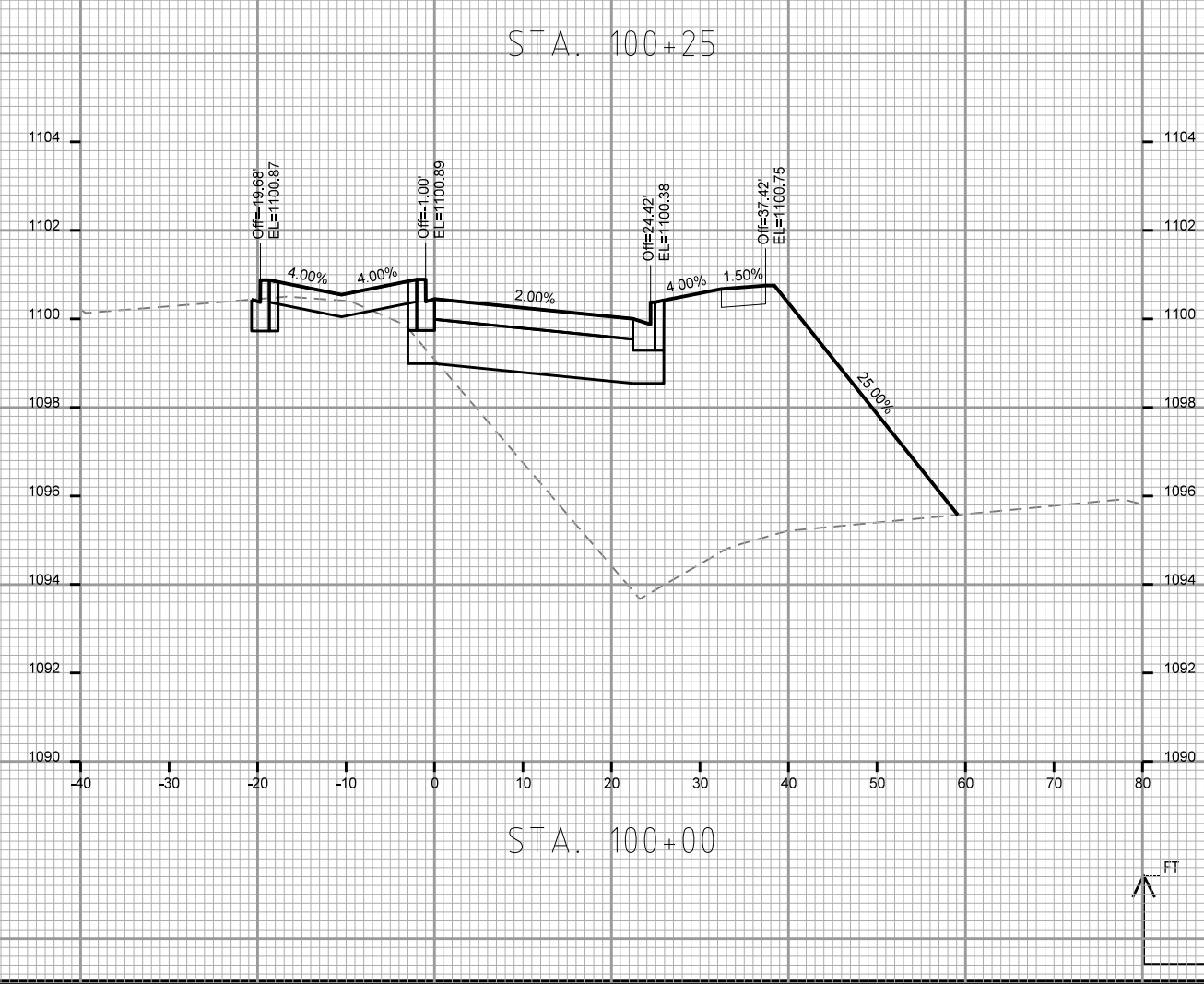
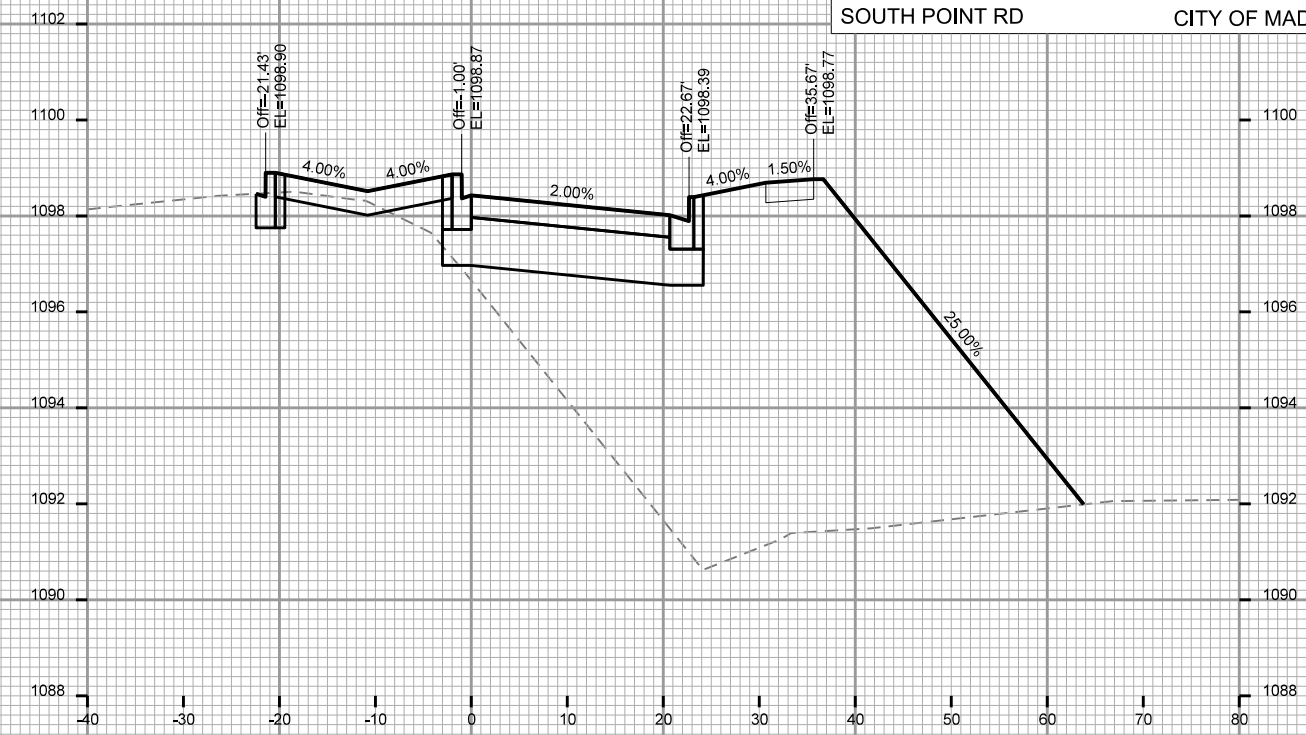
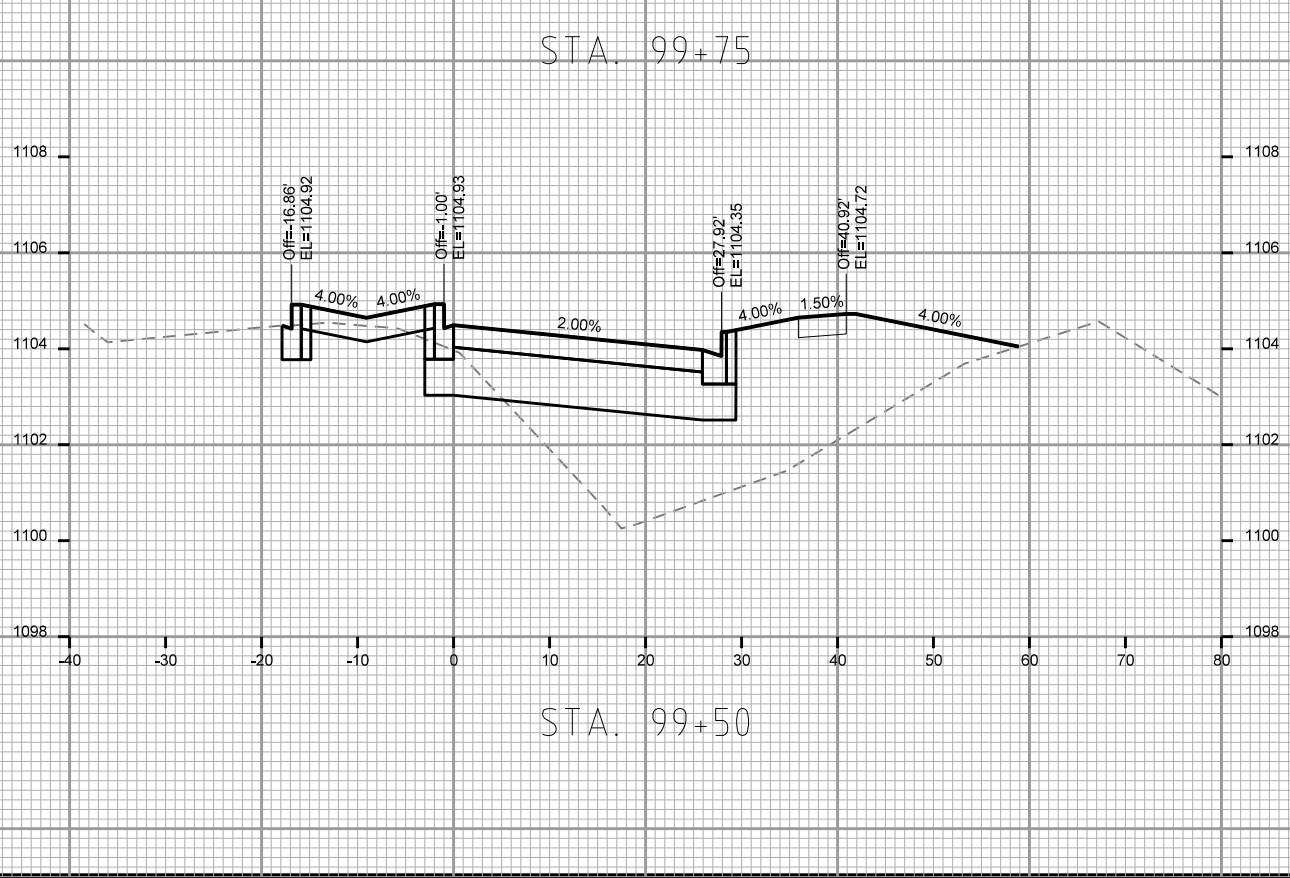
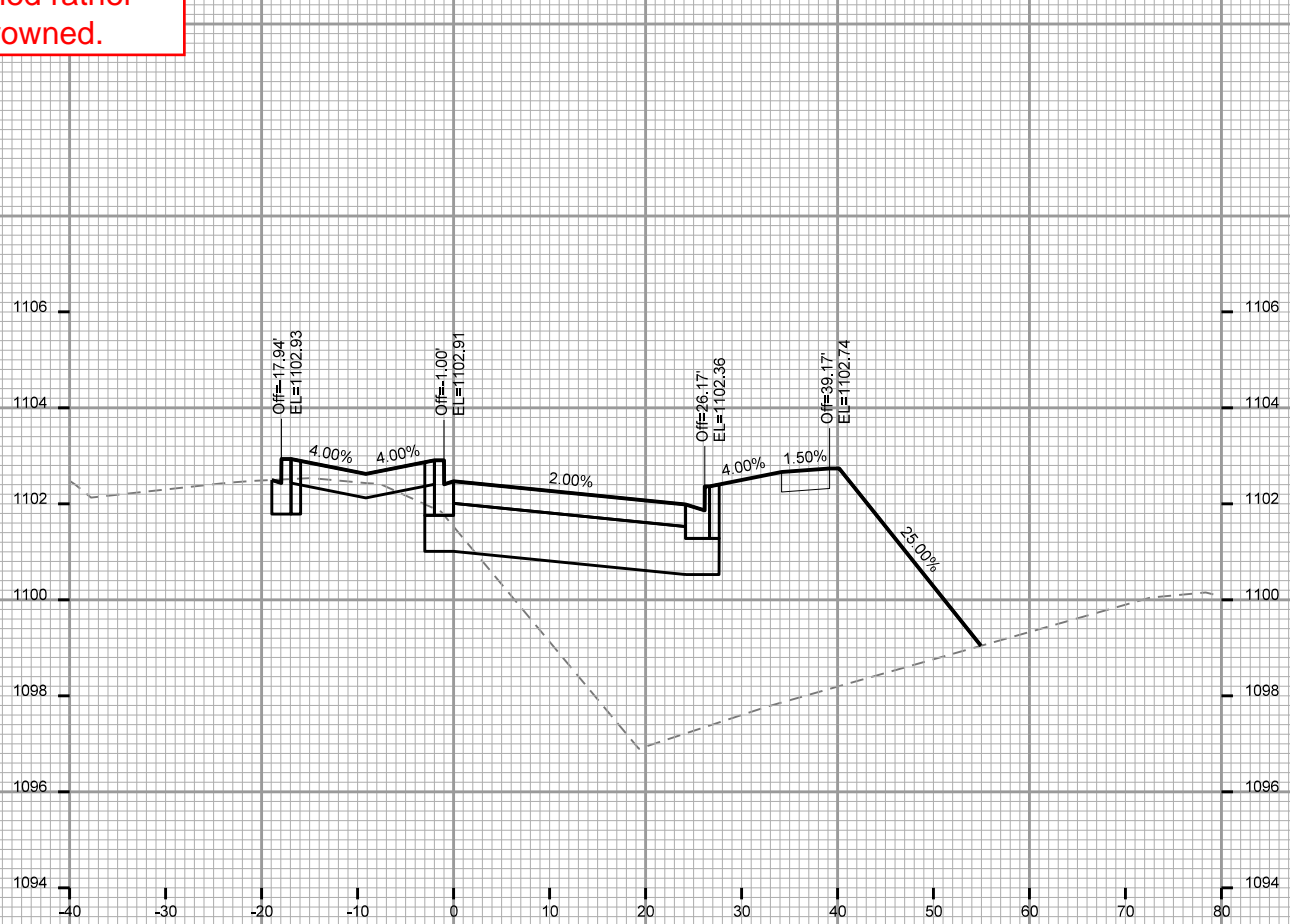
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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crowned.

CROSS SECTIONS

SOUTH POINT RD CITY OF MADISON



PLOT SCALE: _____

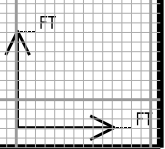
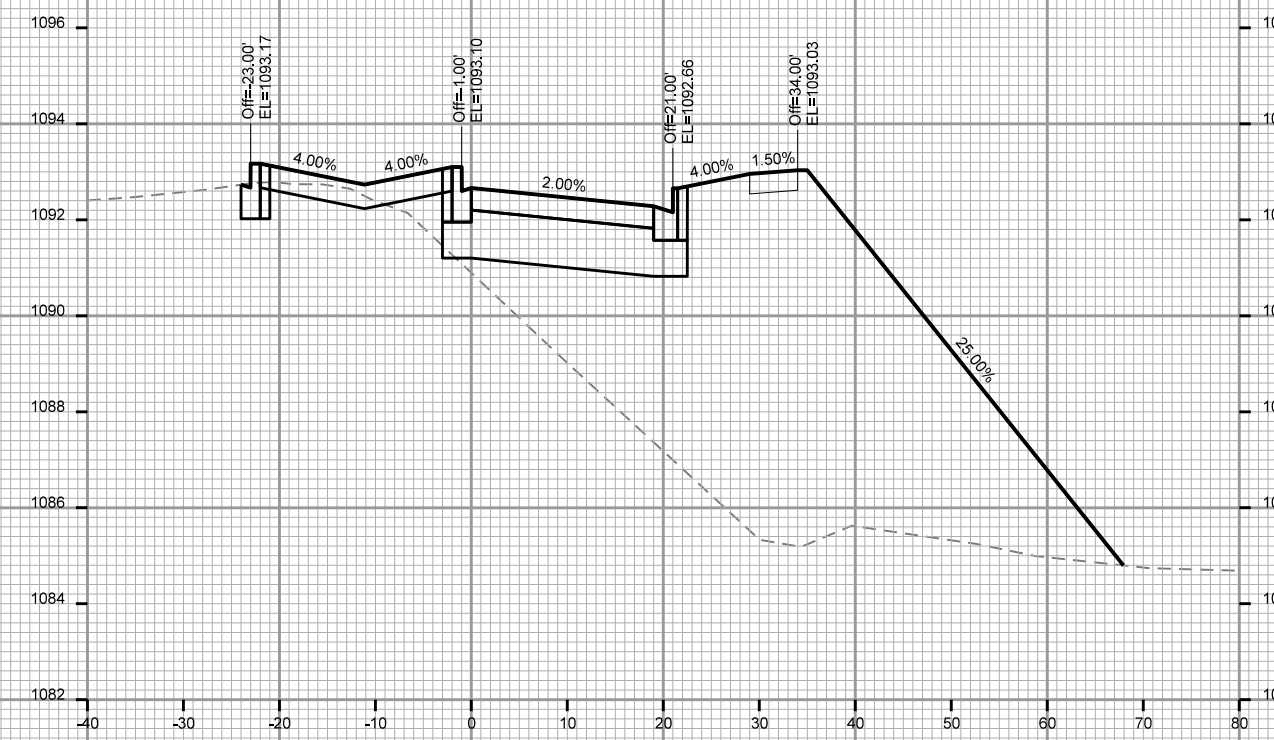
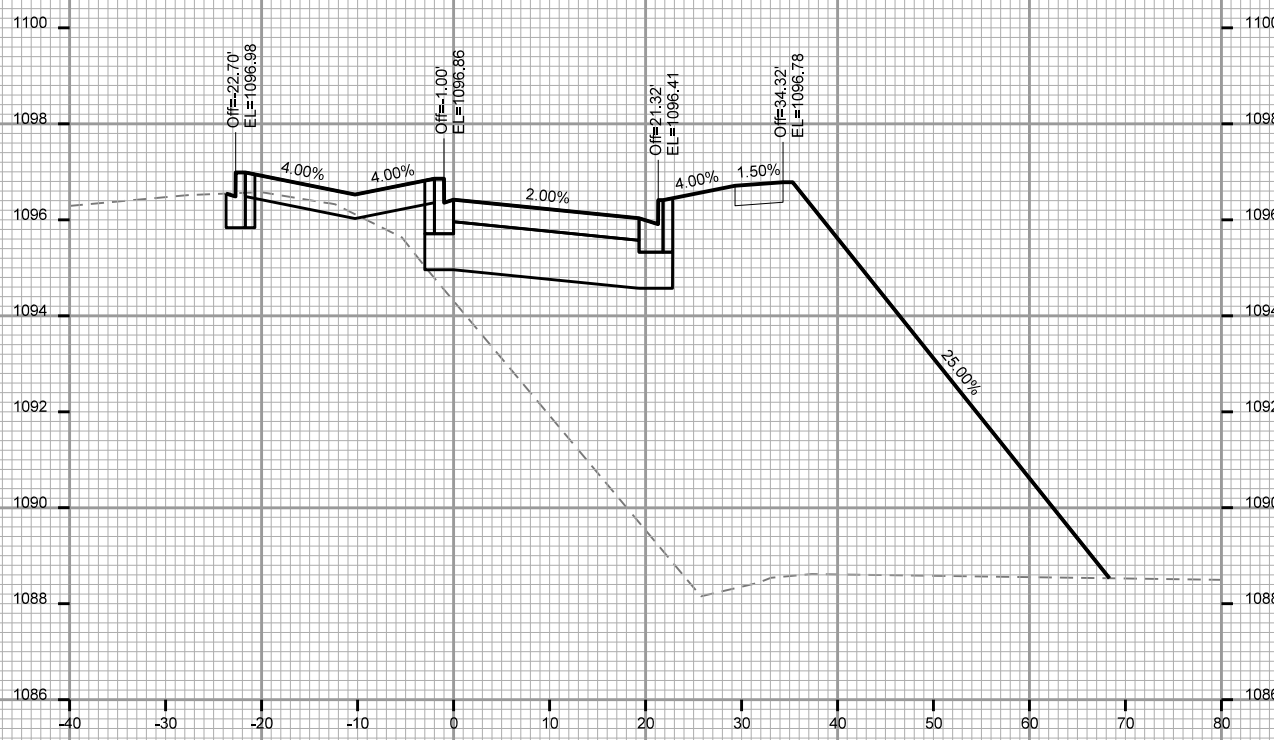
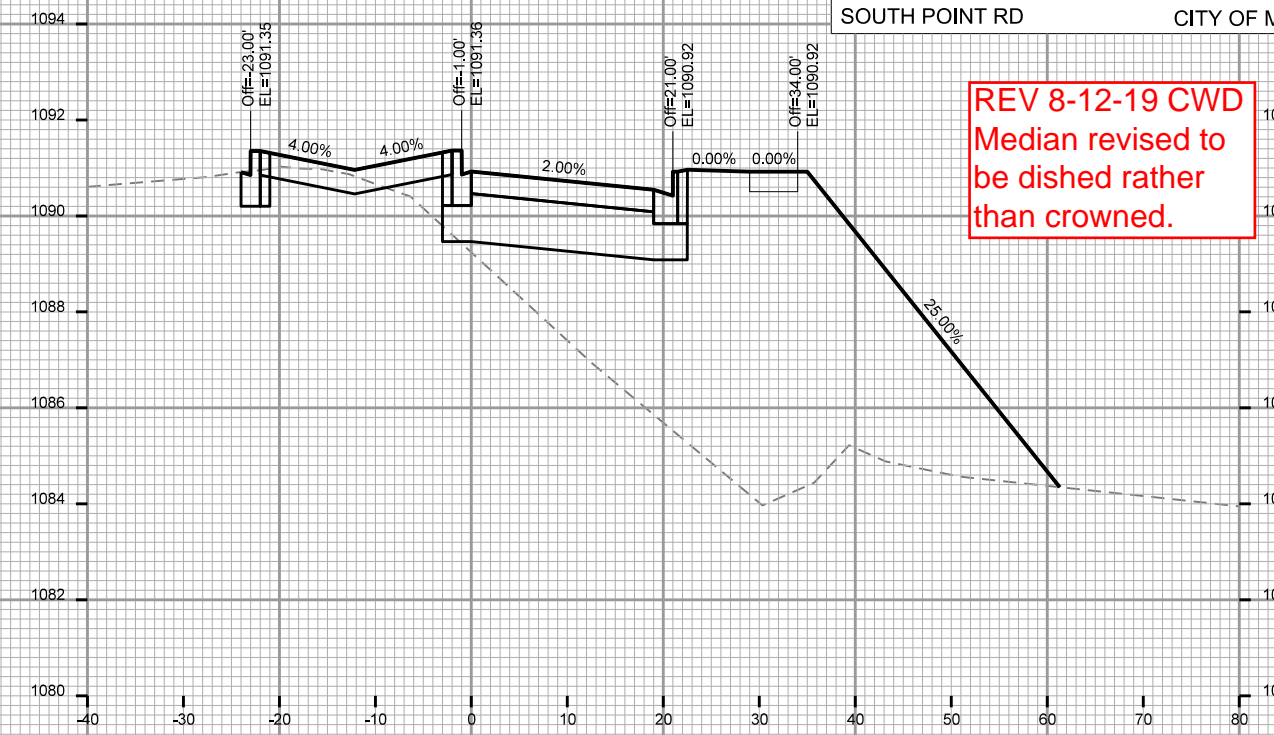
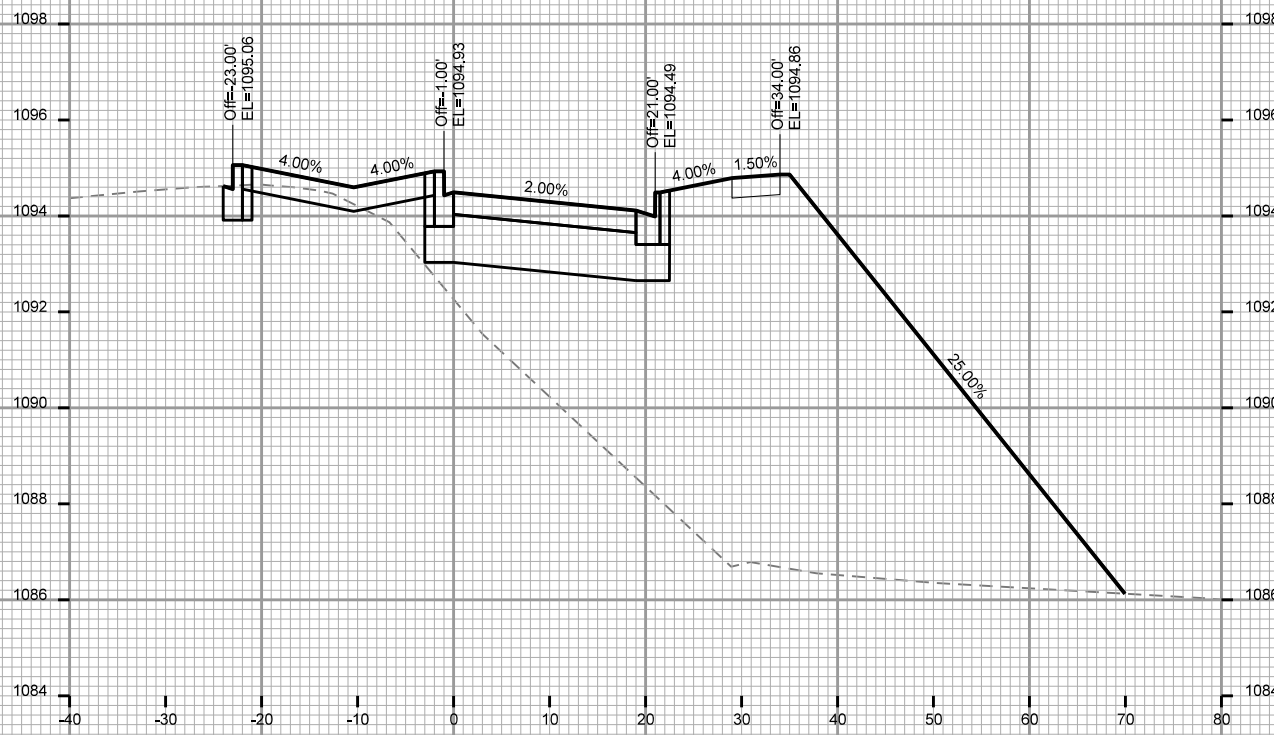
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

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REV. DATE: _____

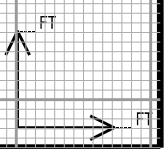
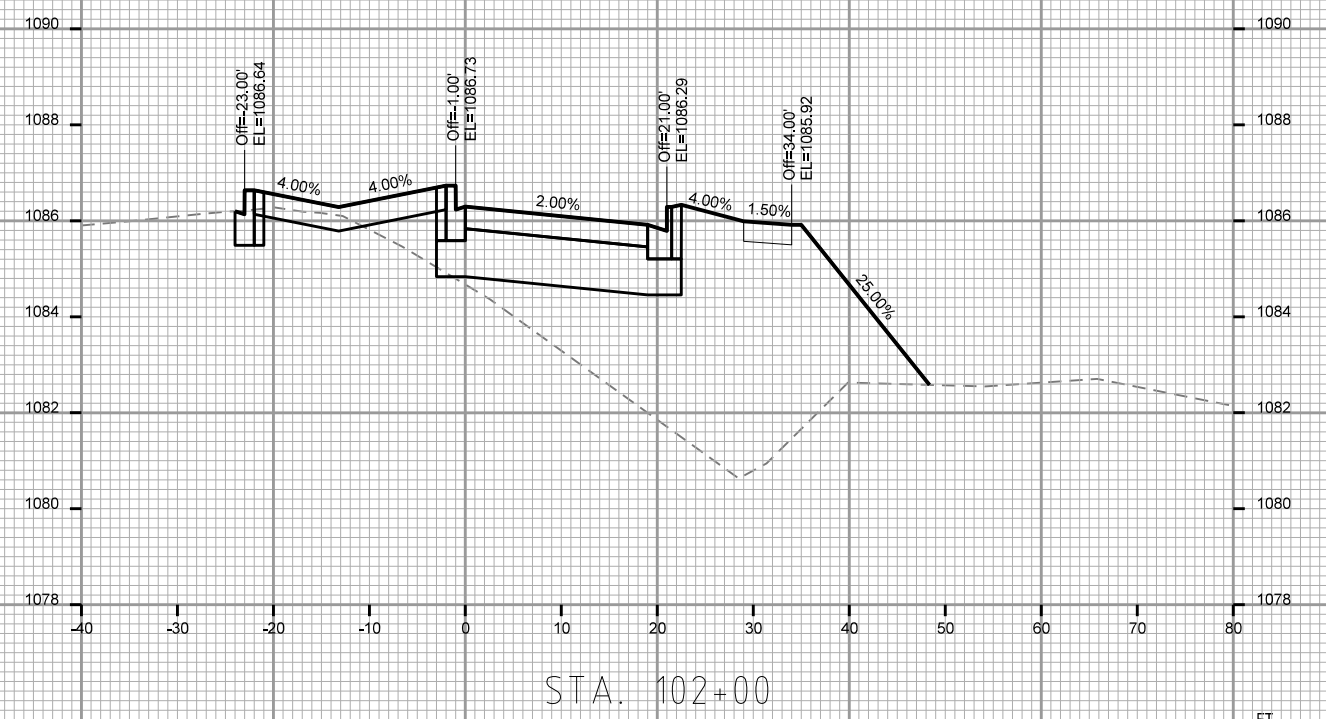
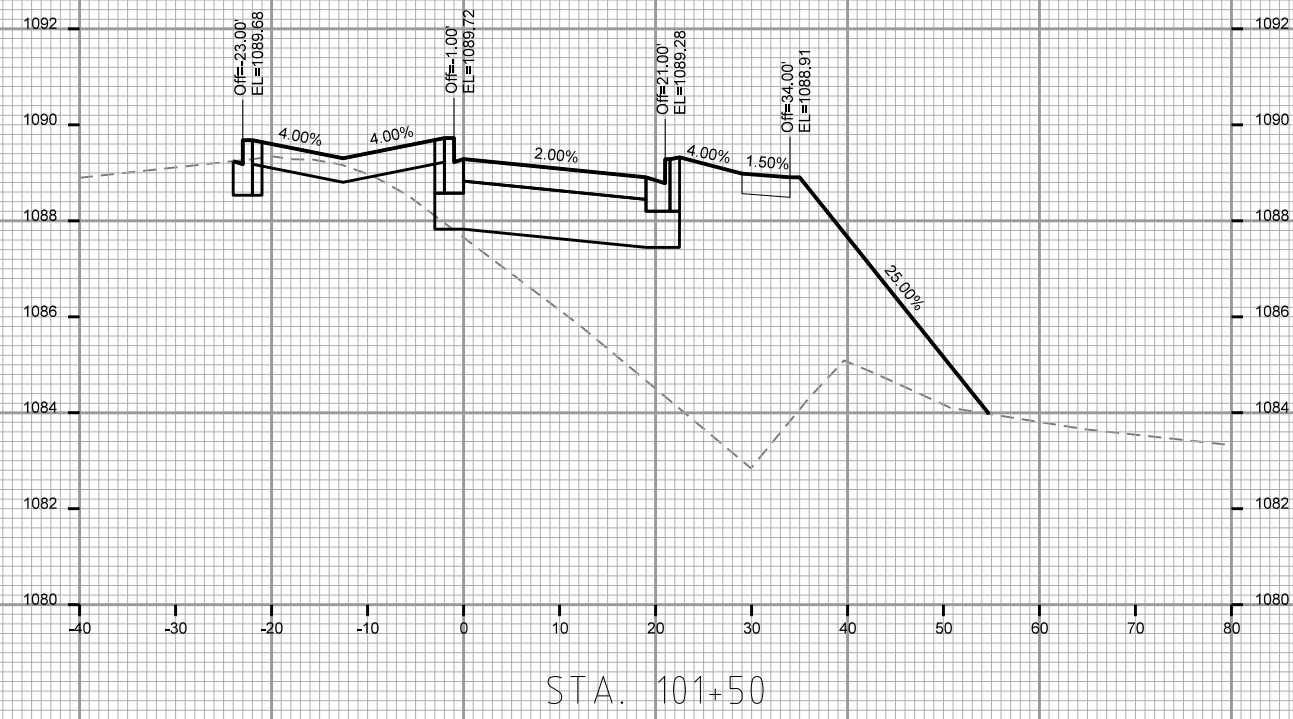
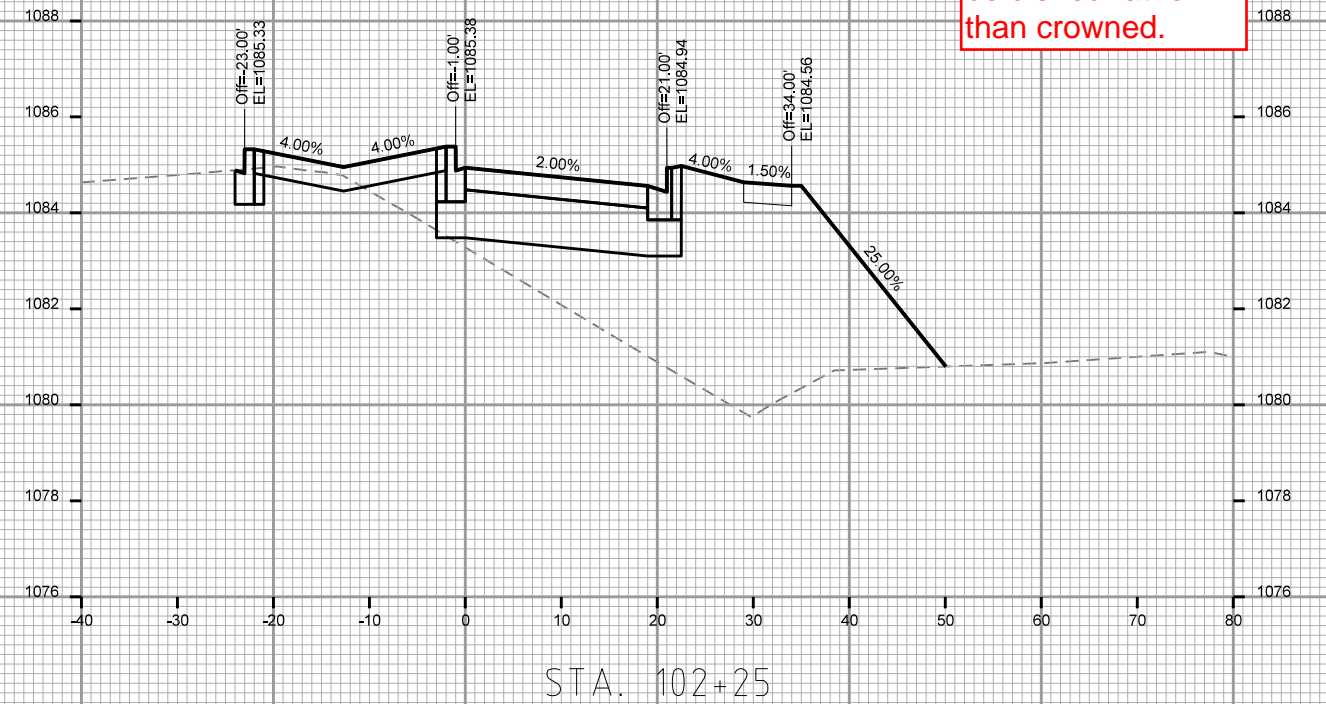
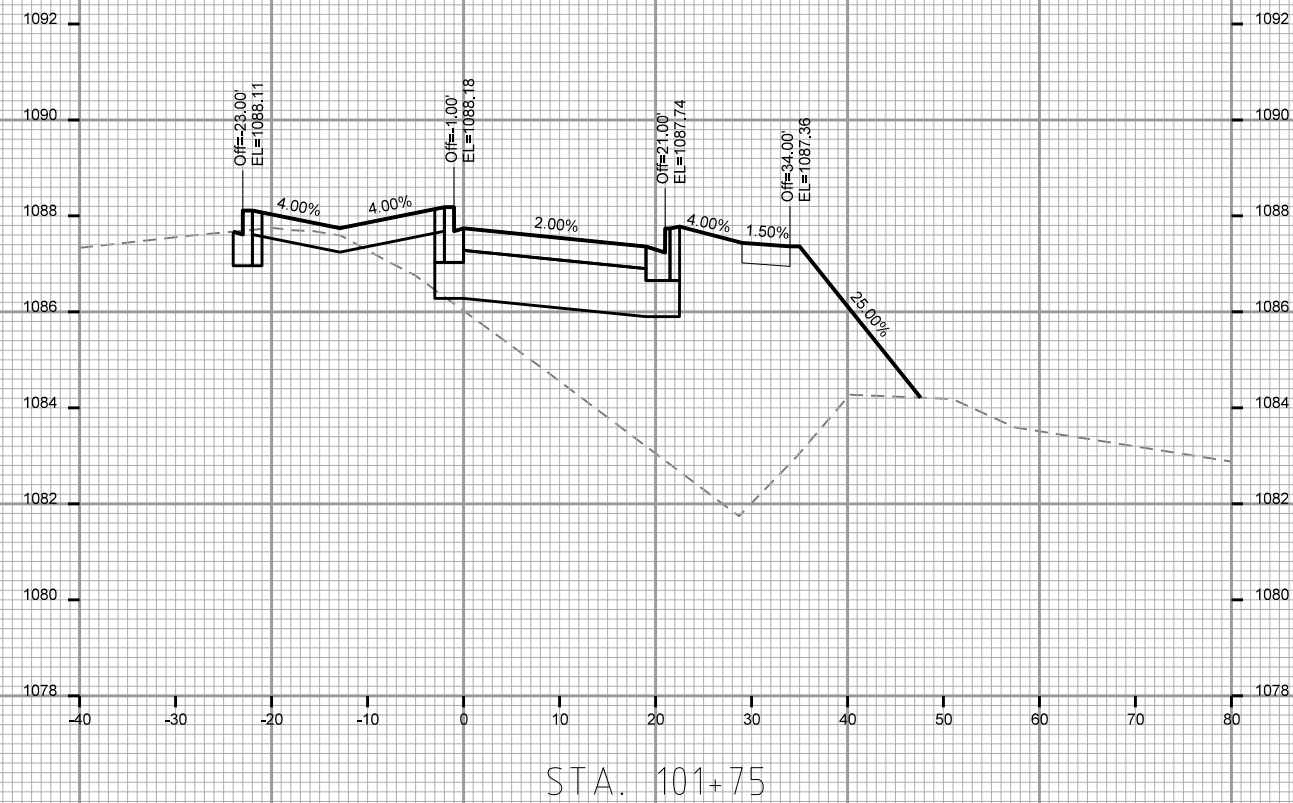
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

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CITY OF MADISON

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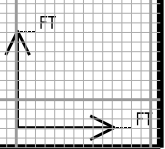
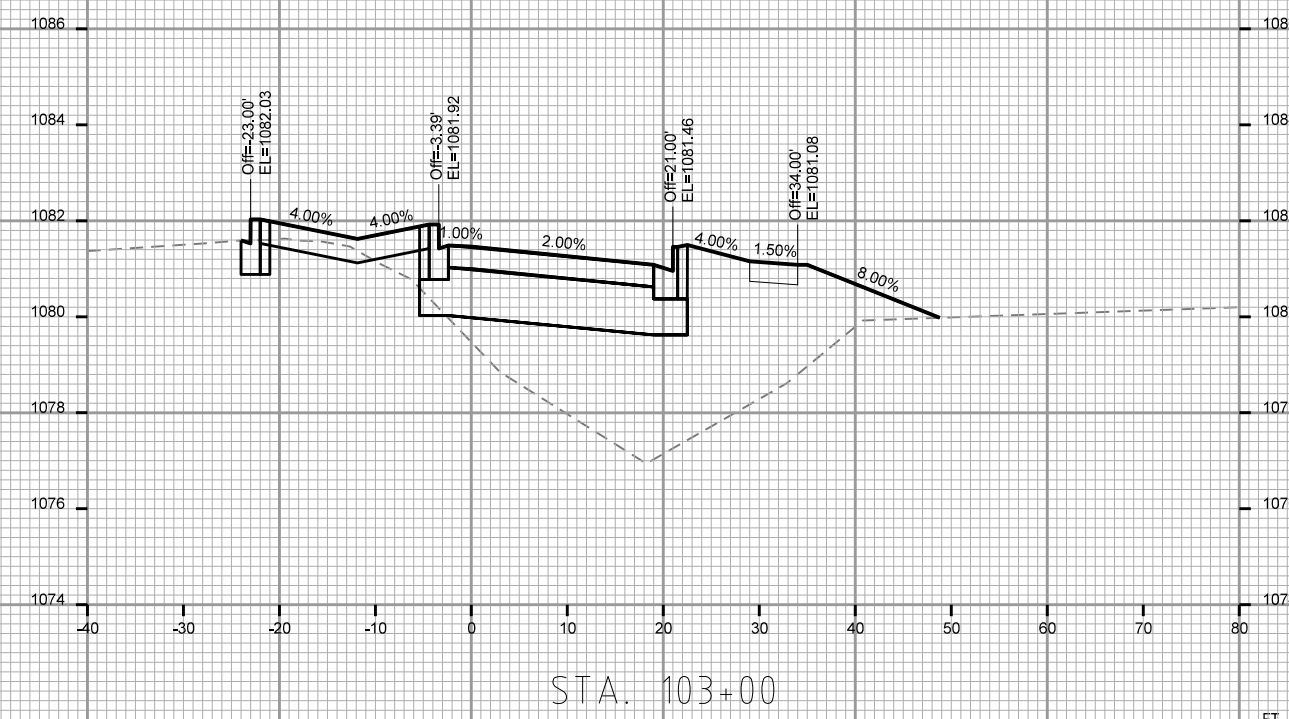
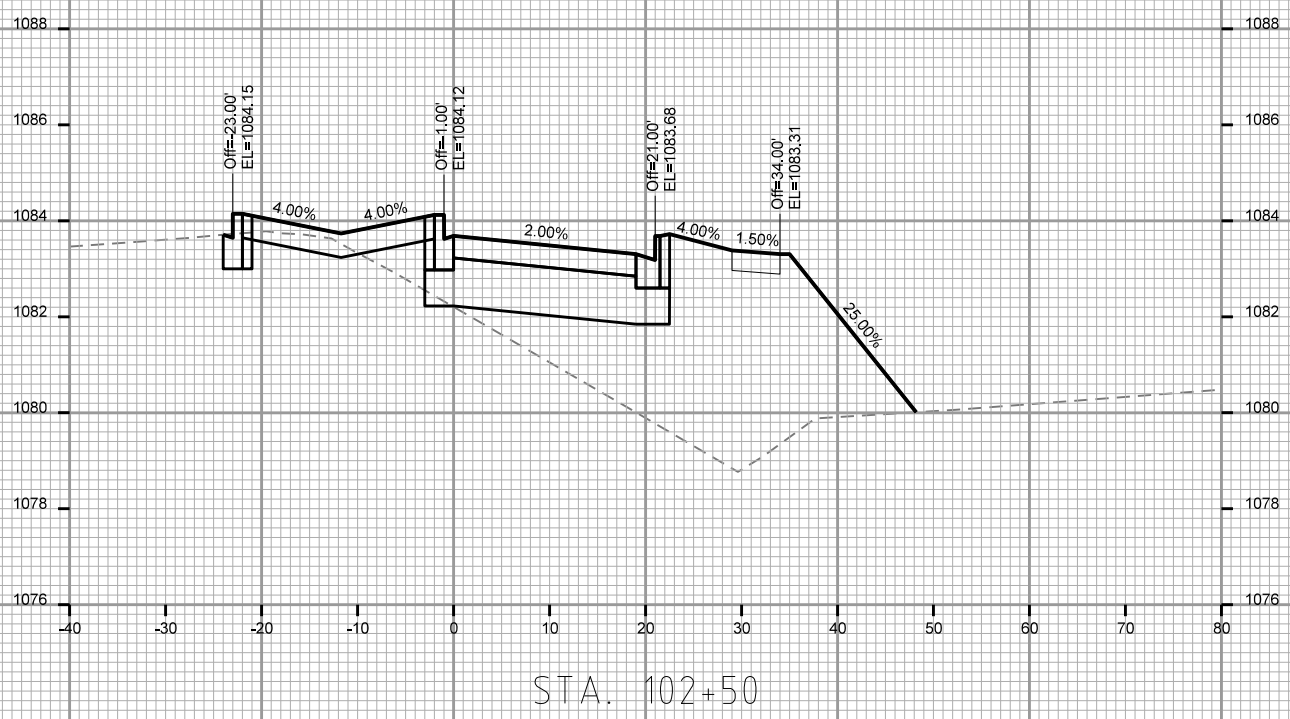
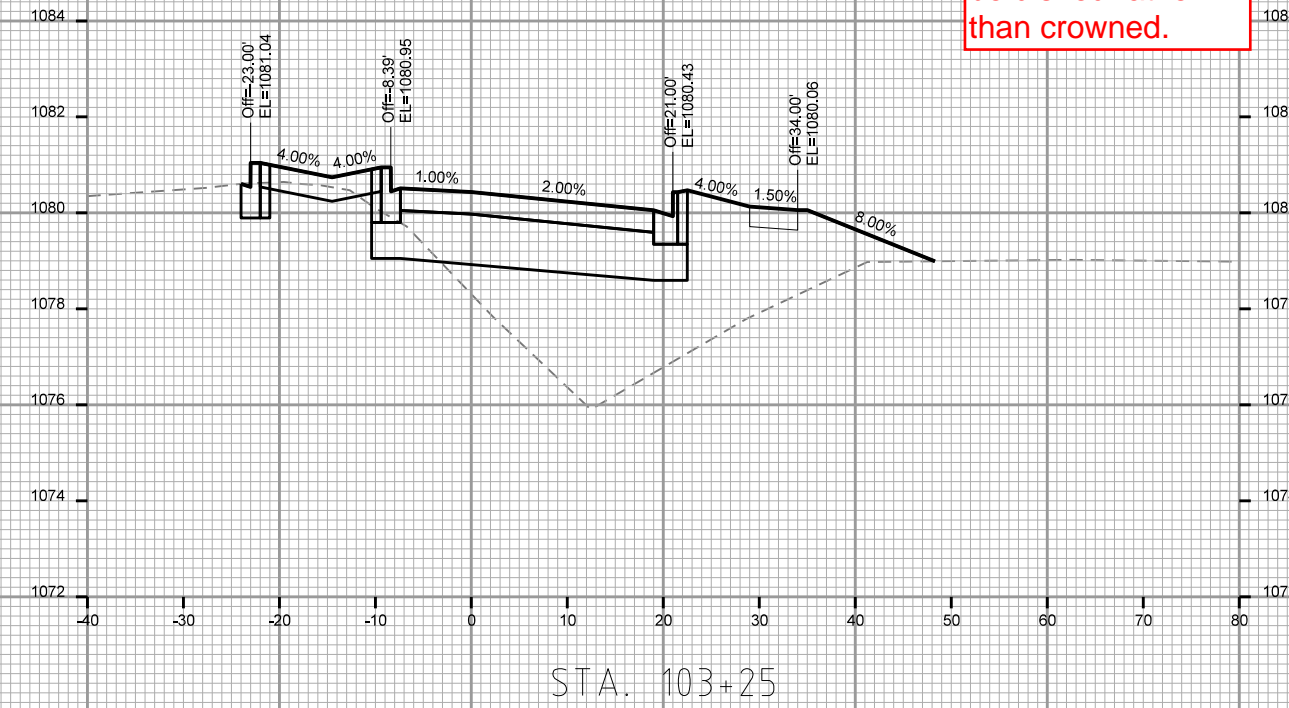
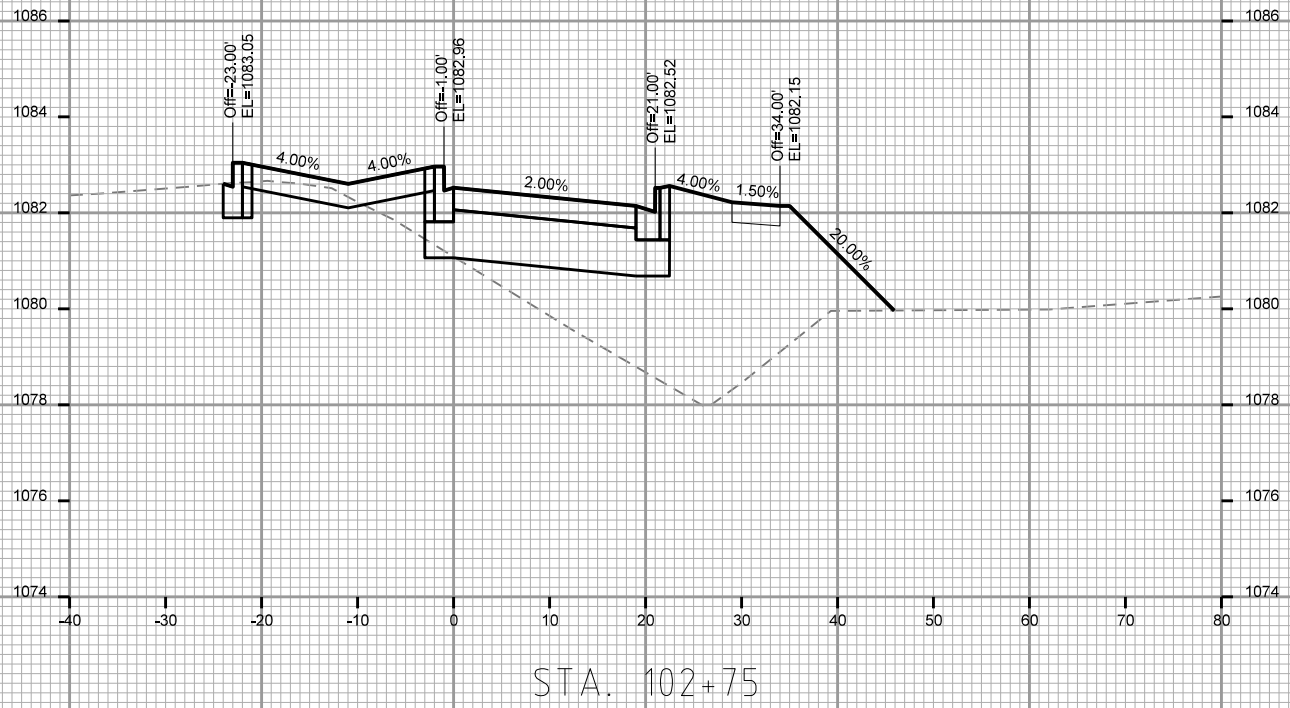


PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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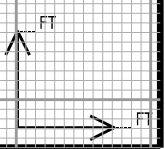
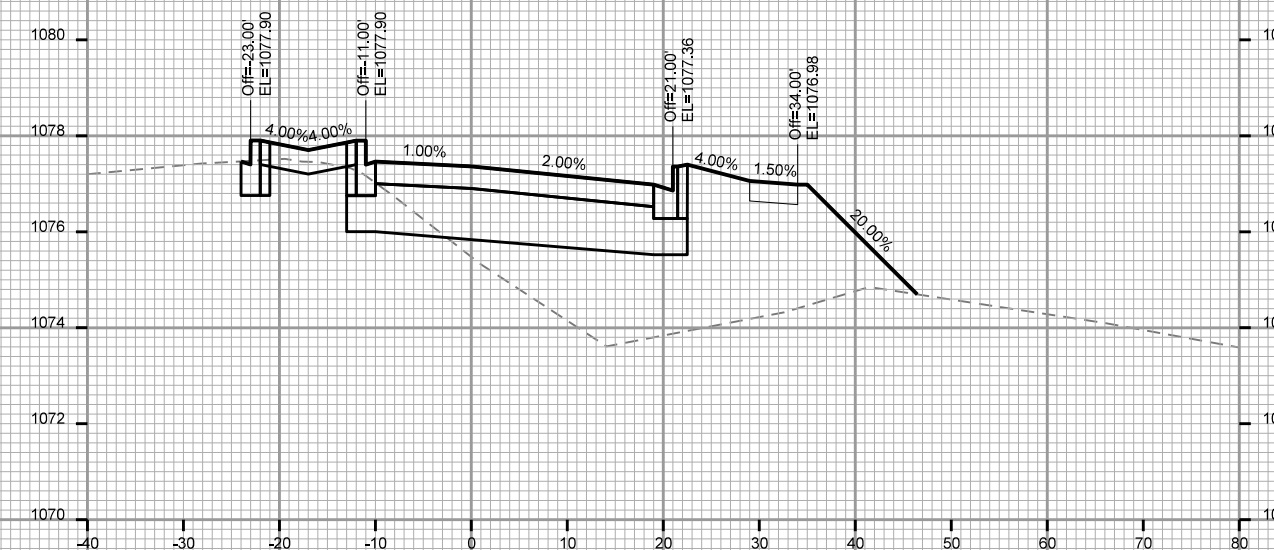
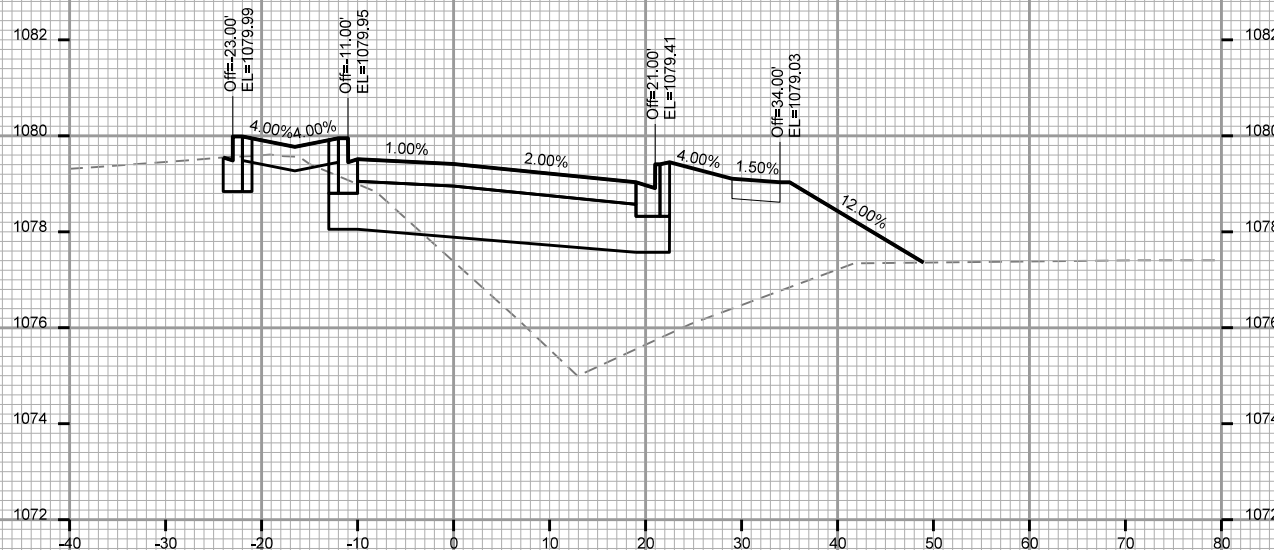
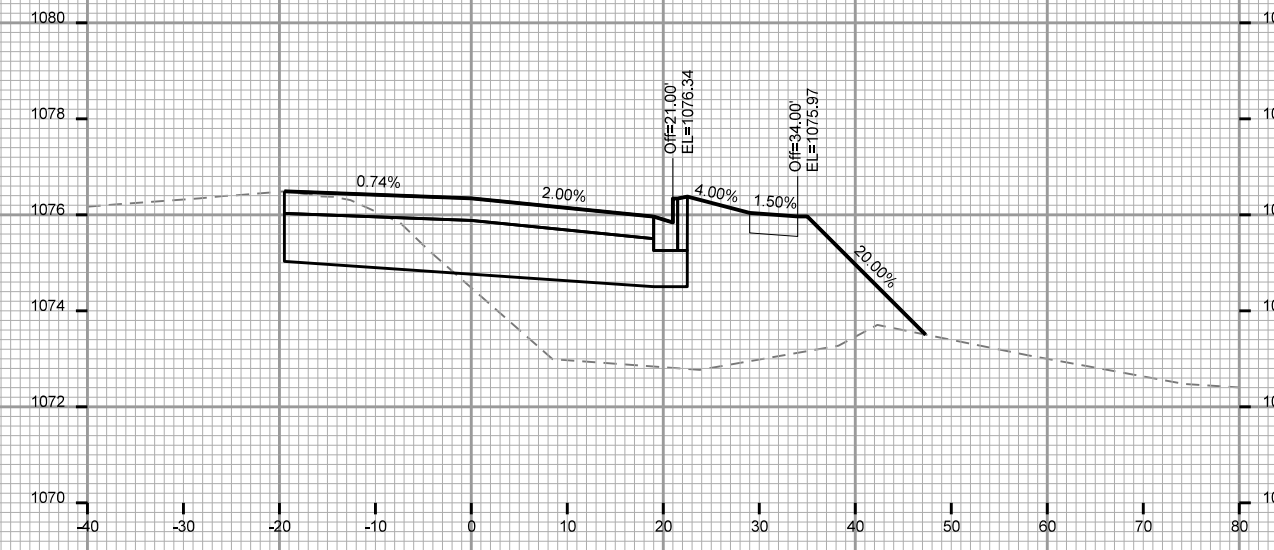
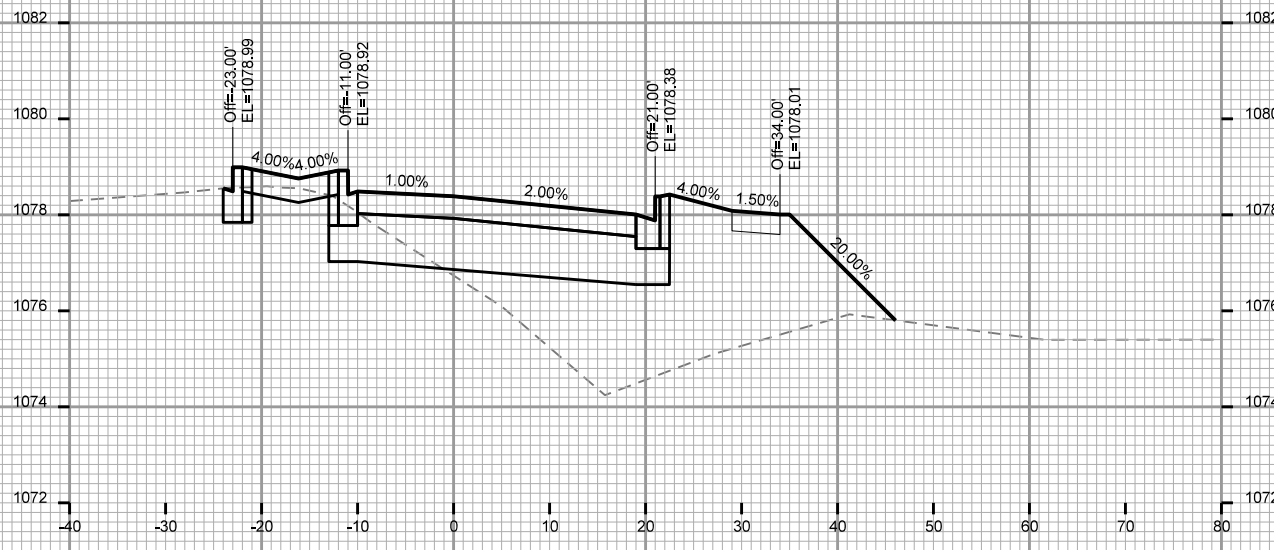
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CROSS SECTIONS

SOUTH POINT RD

CITY OF MADISON

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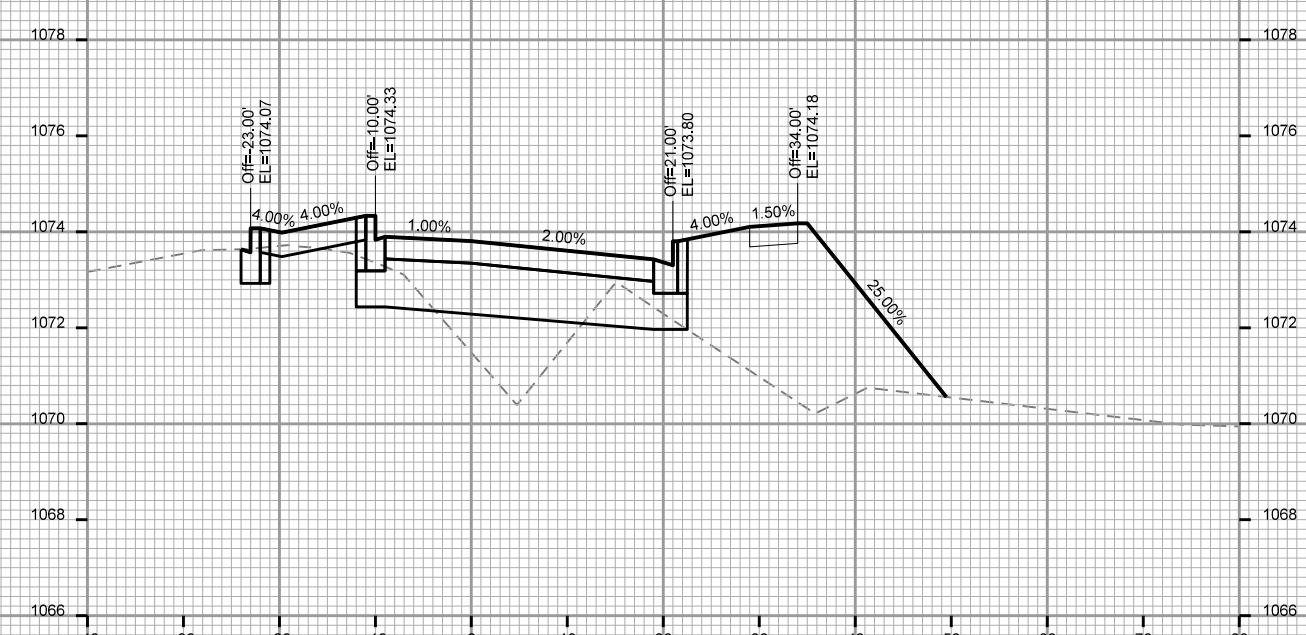
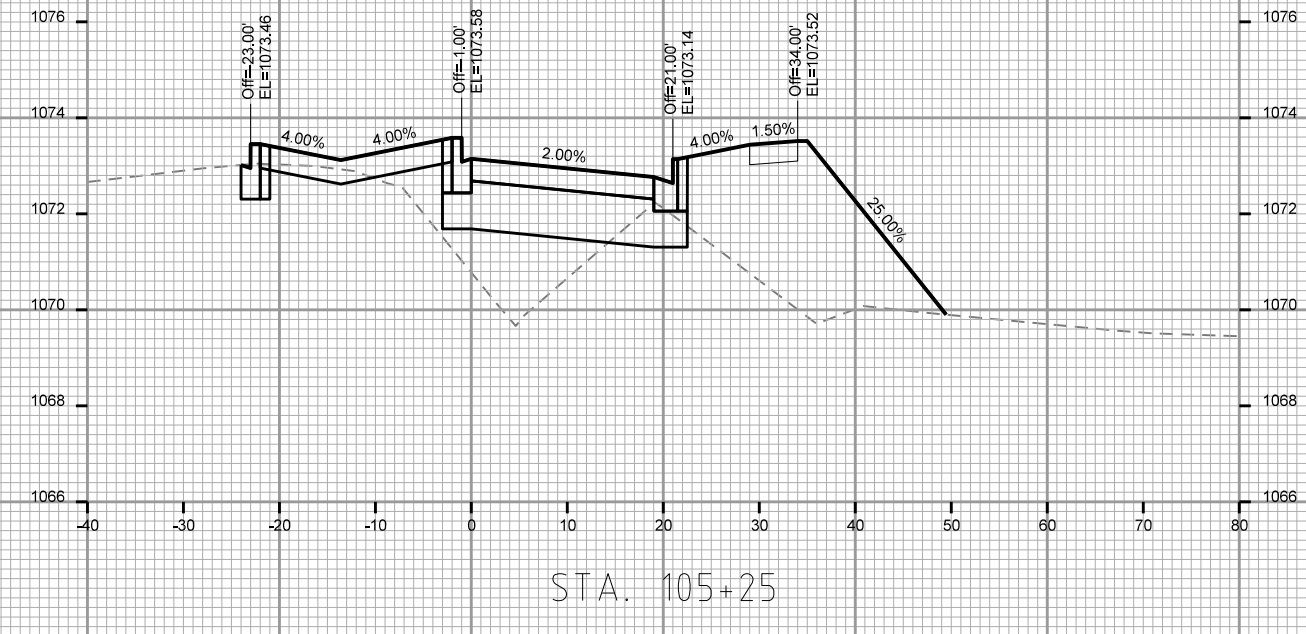
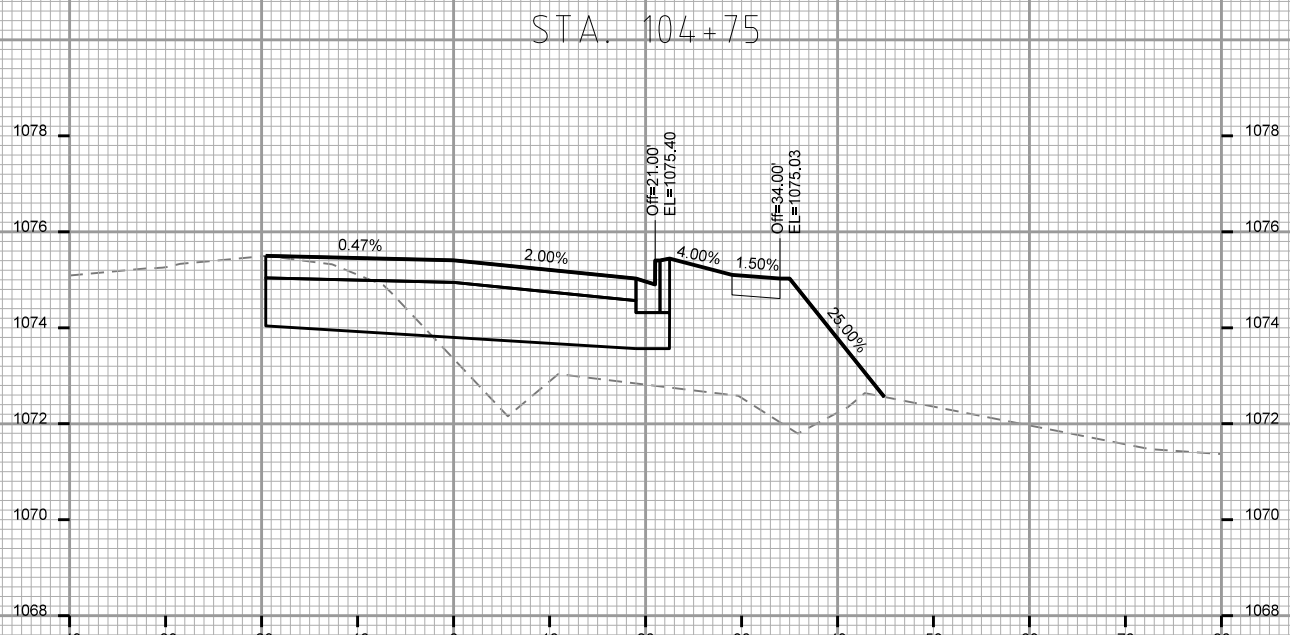
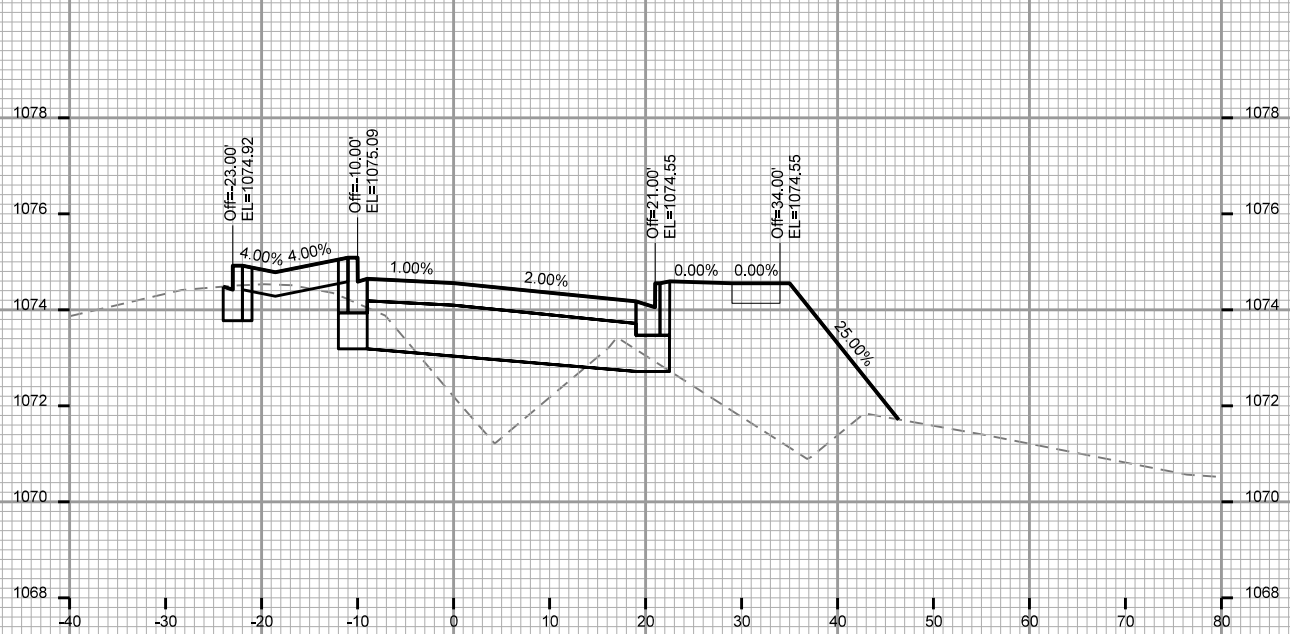


PLOT SCALE: _____

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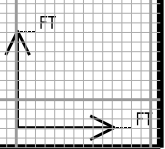
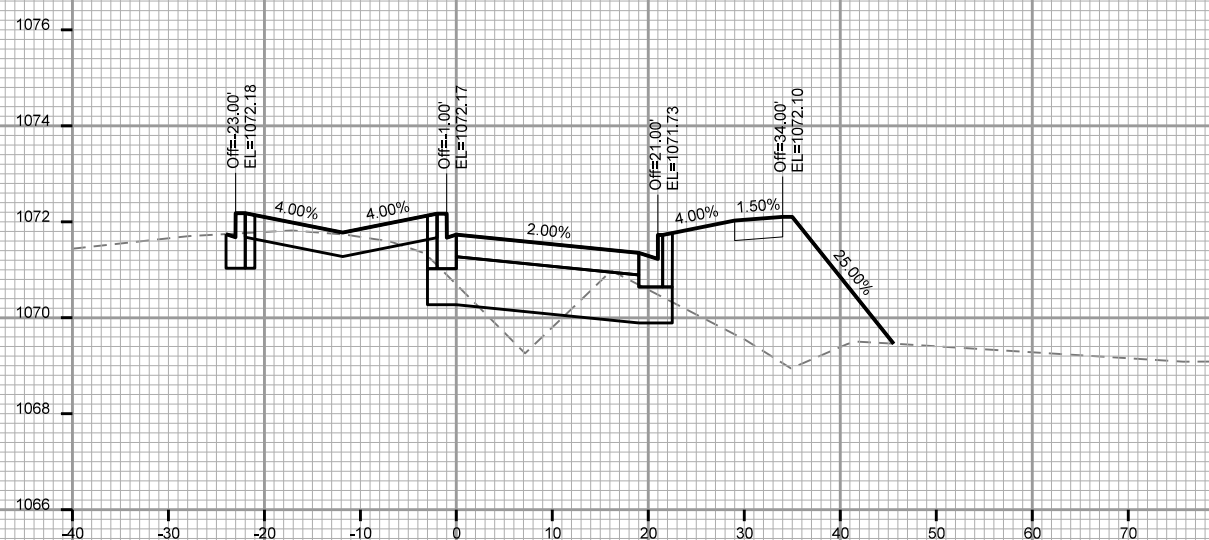
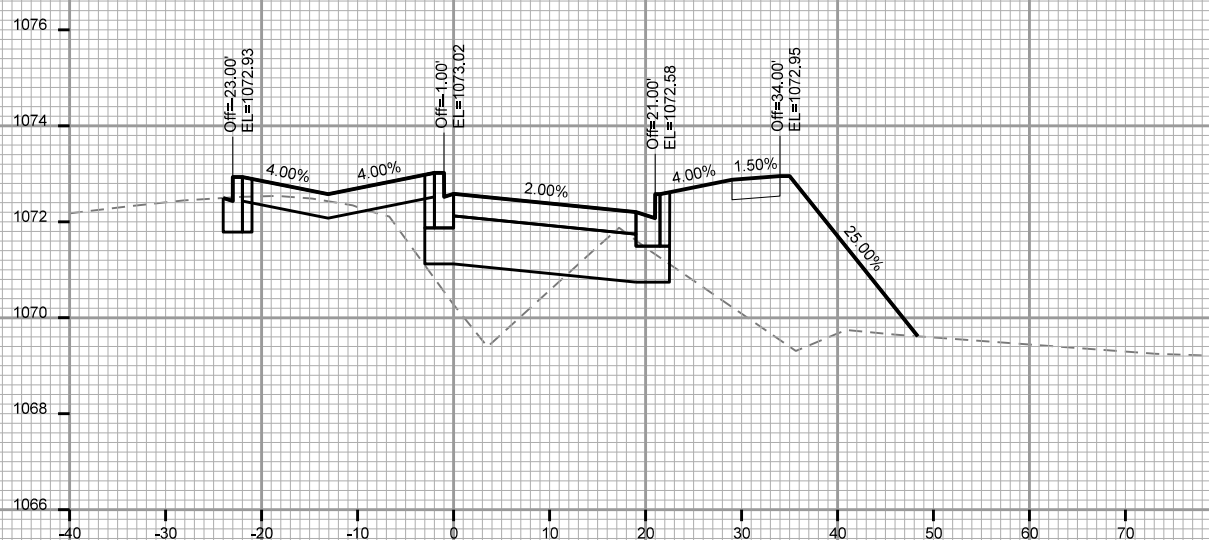
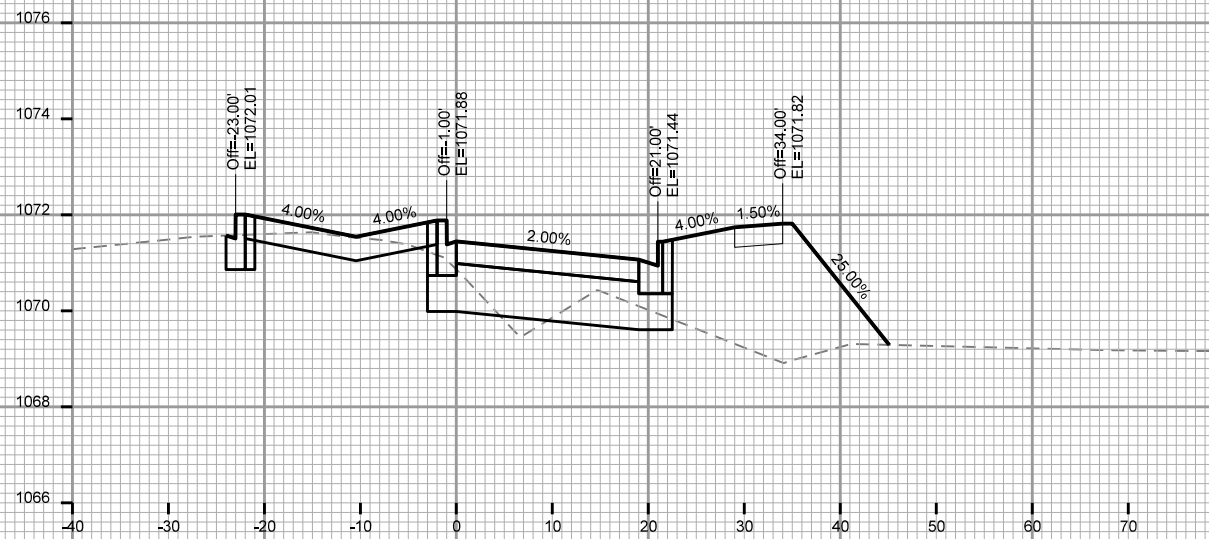
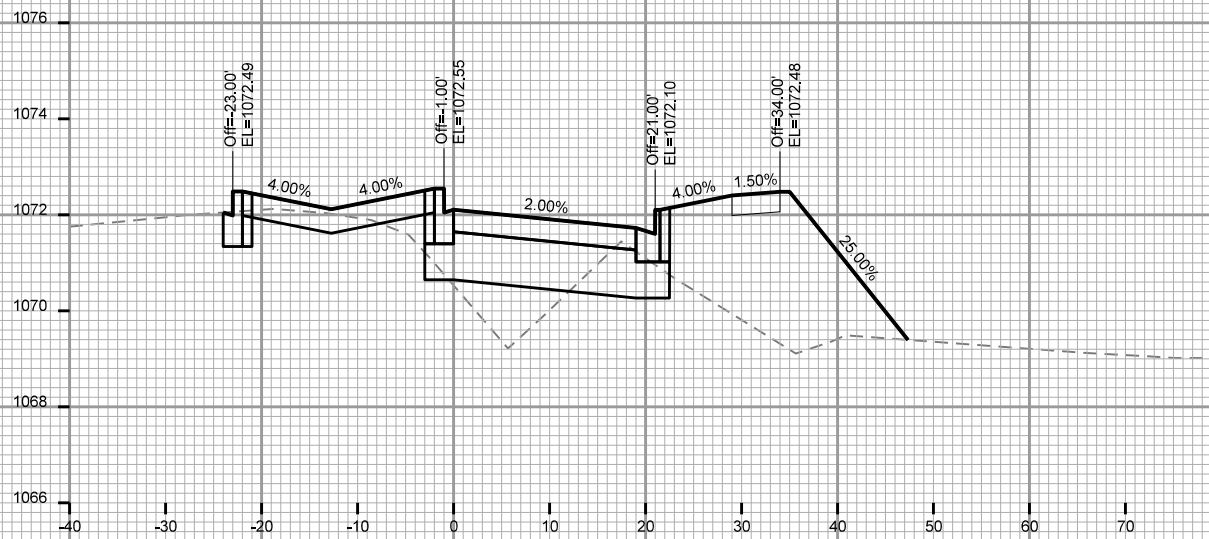
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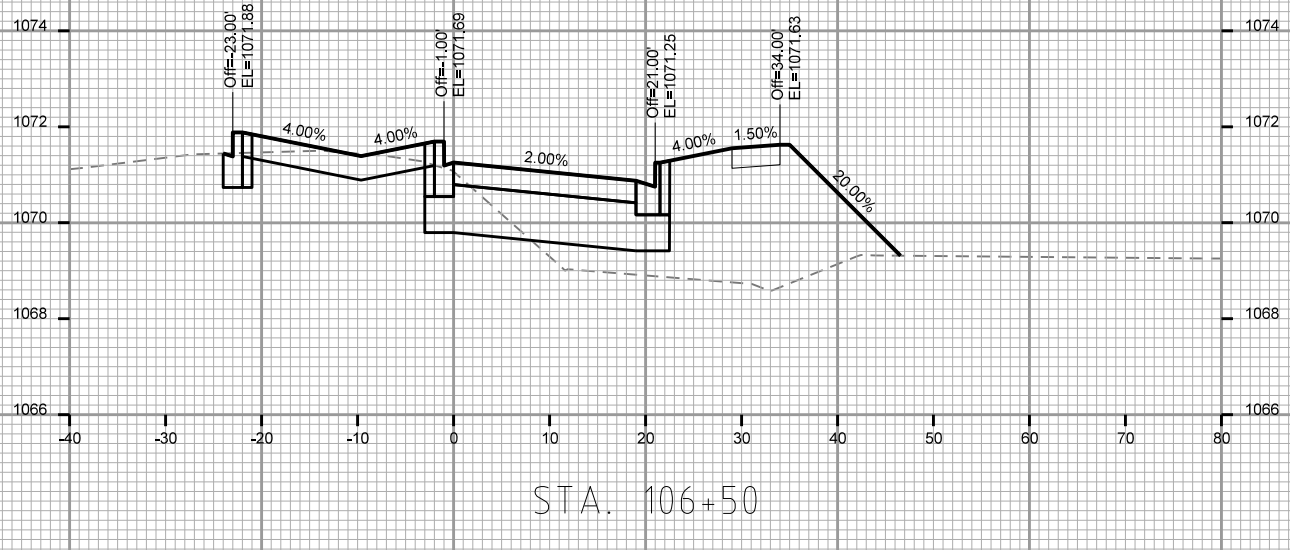
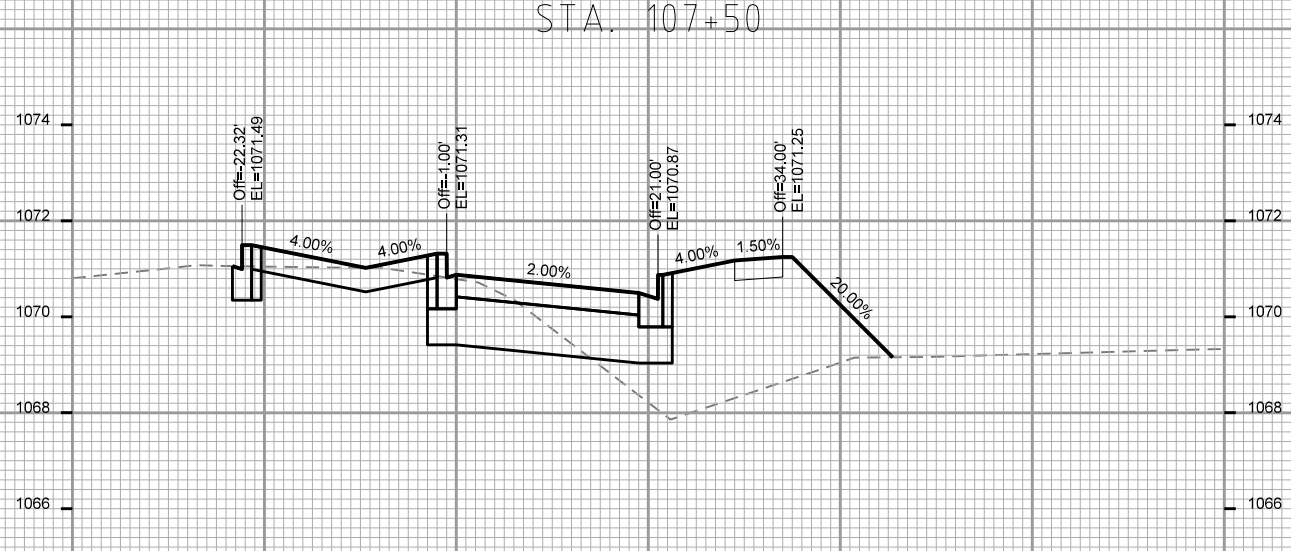
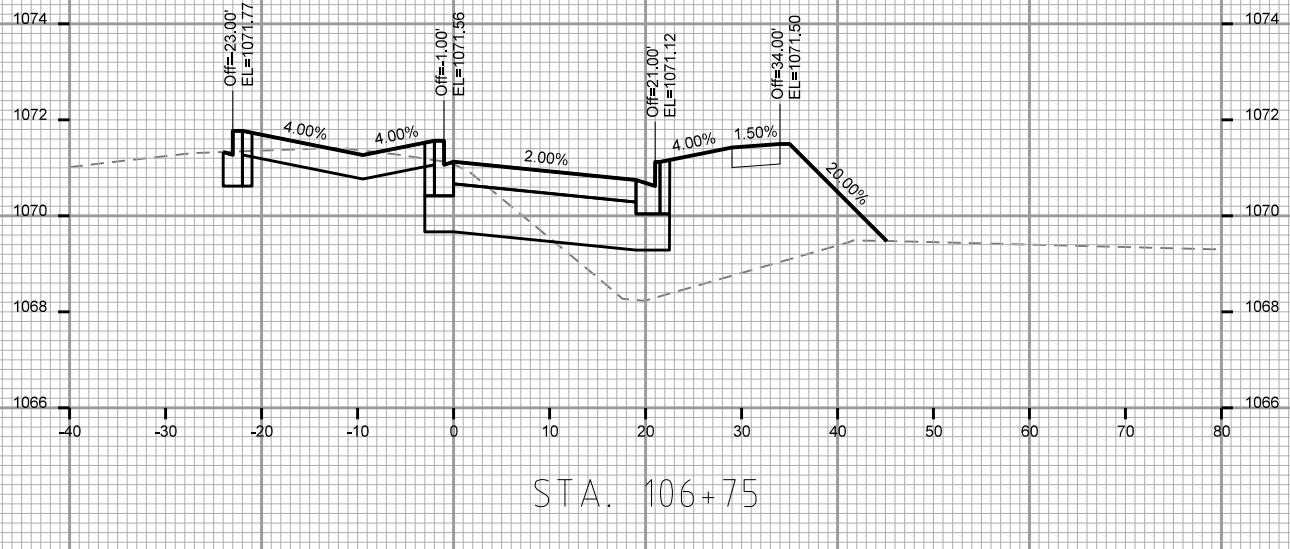
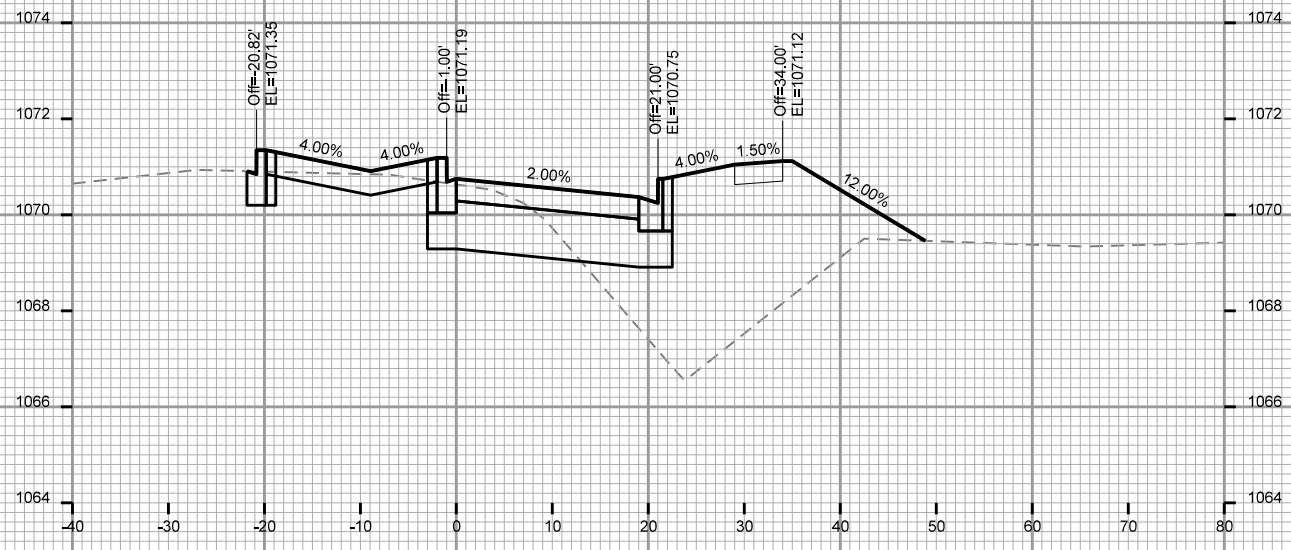
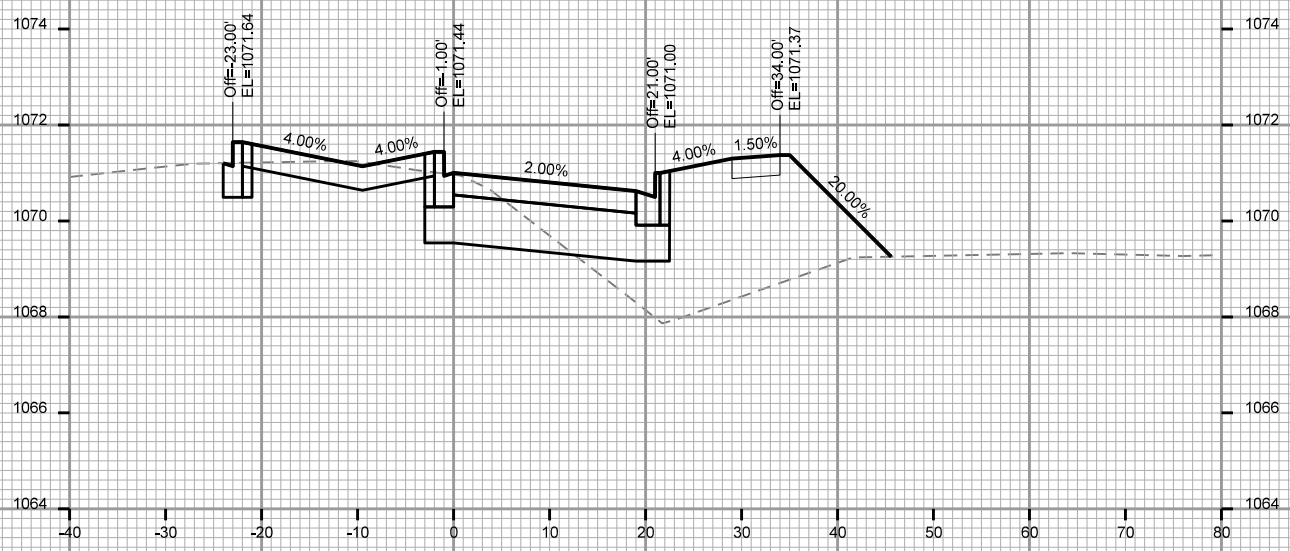
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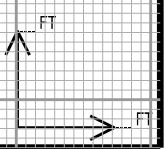
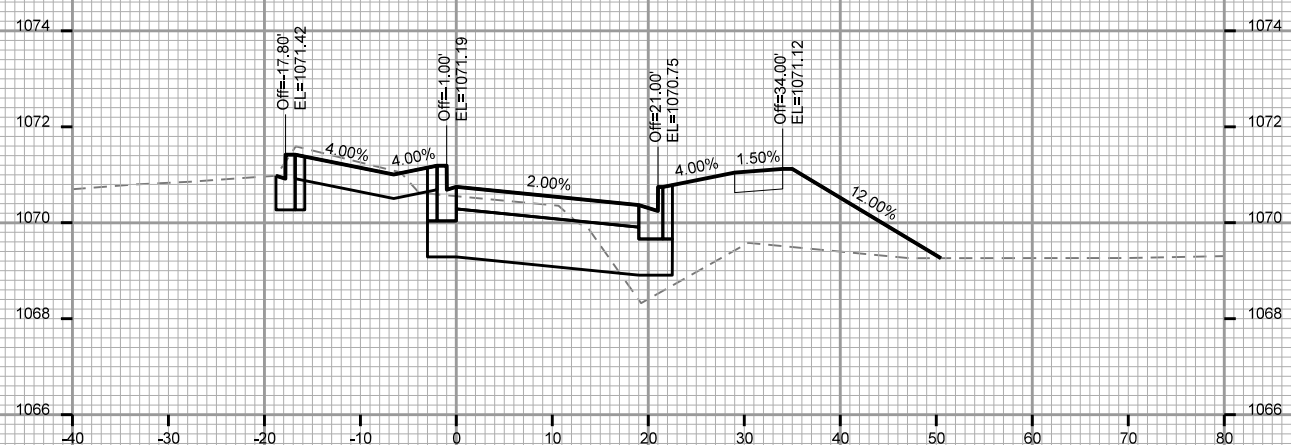
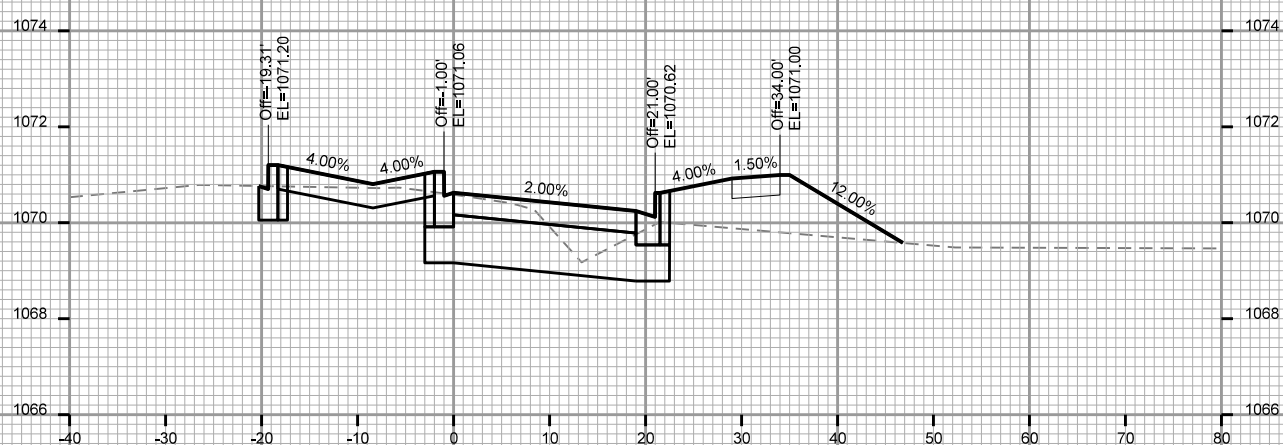
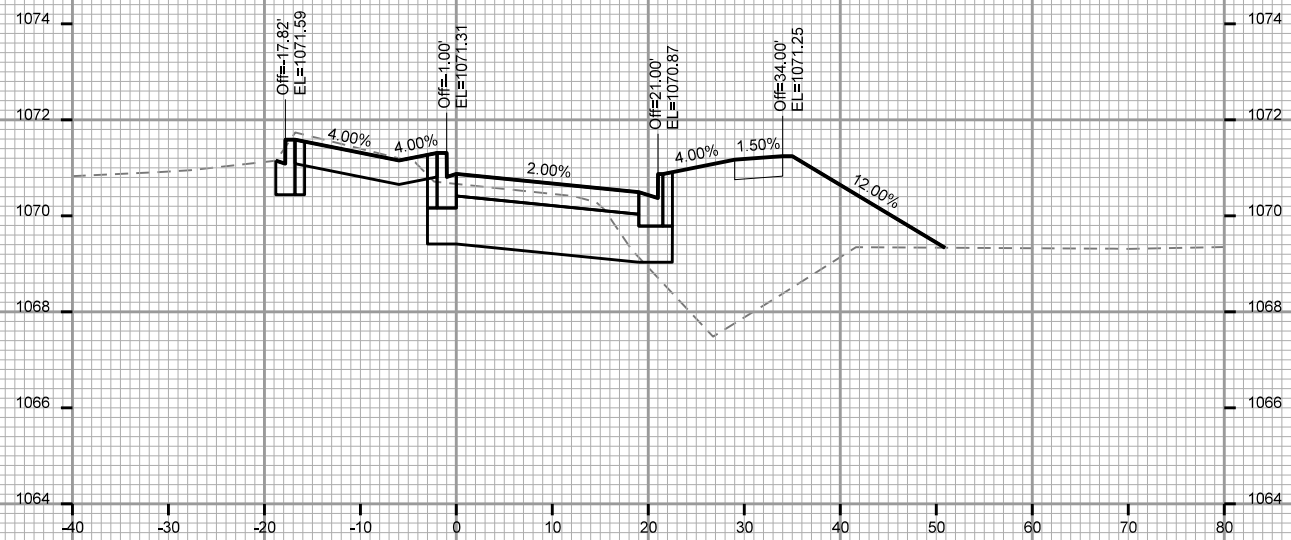
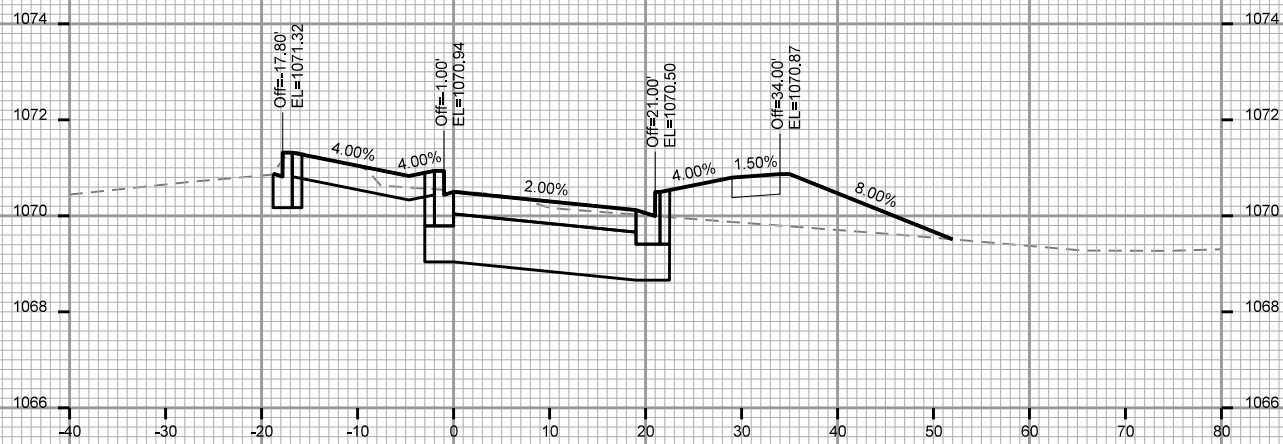
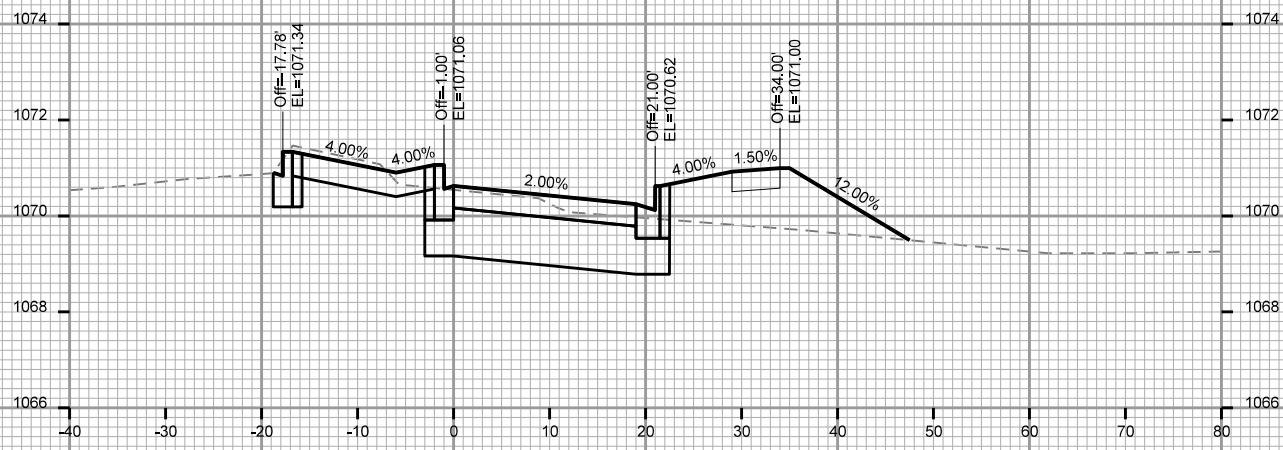
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CROSS SECTIONS

SOUTH POINT RD

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CROSS SECTIONS

SOUTH POINT RD

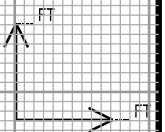
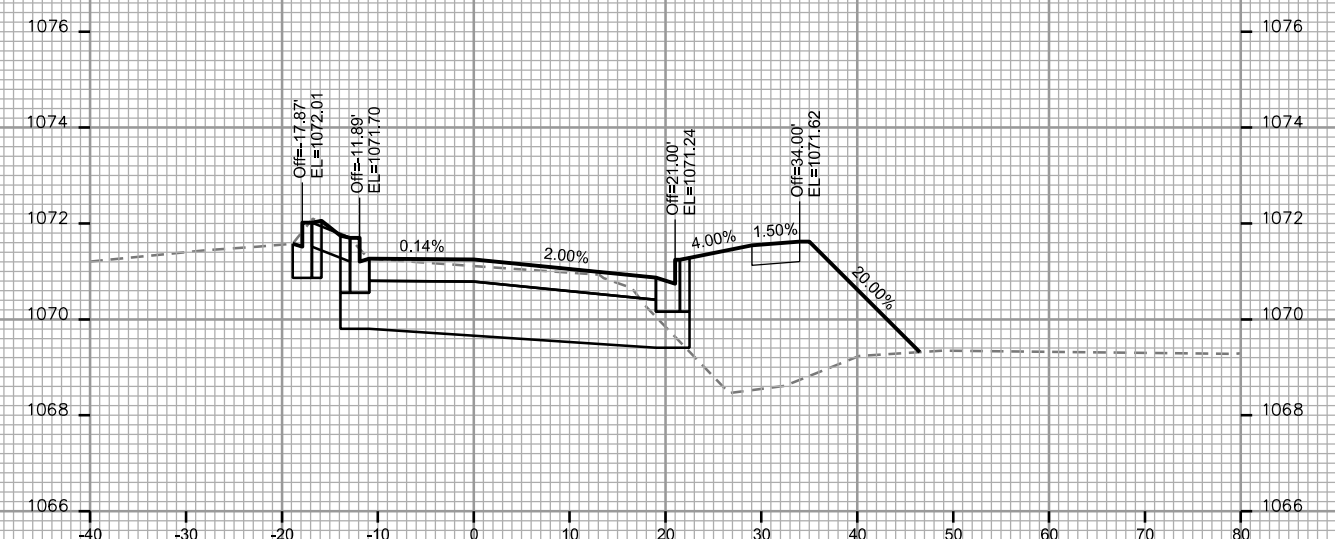
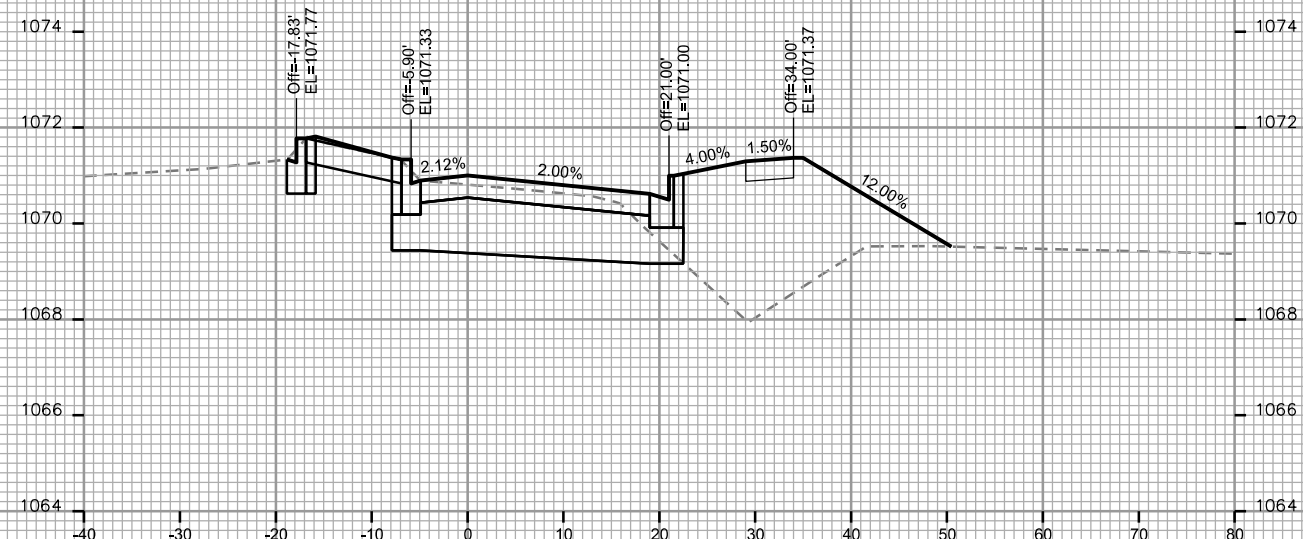
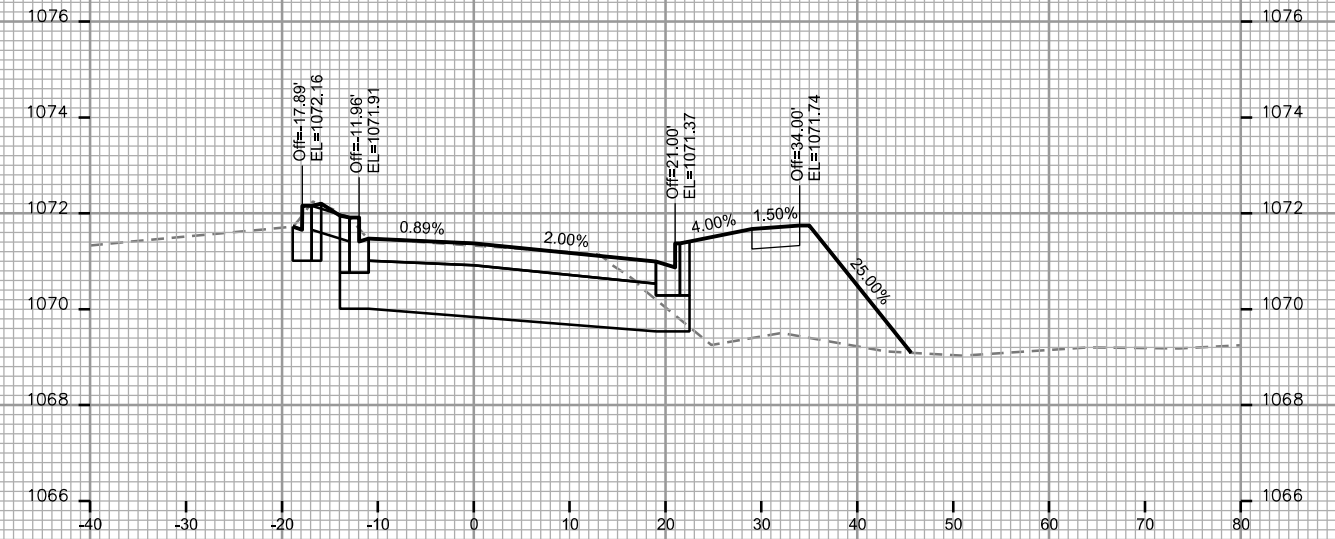
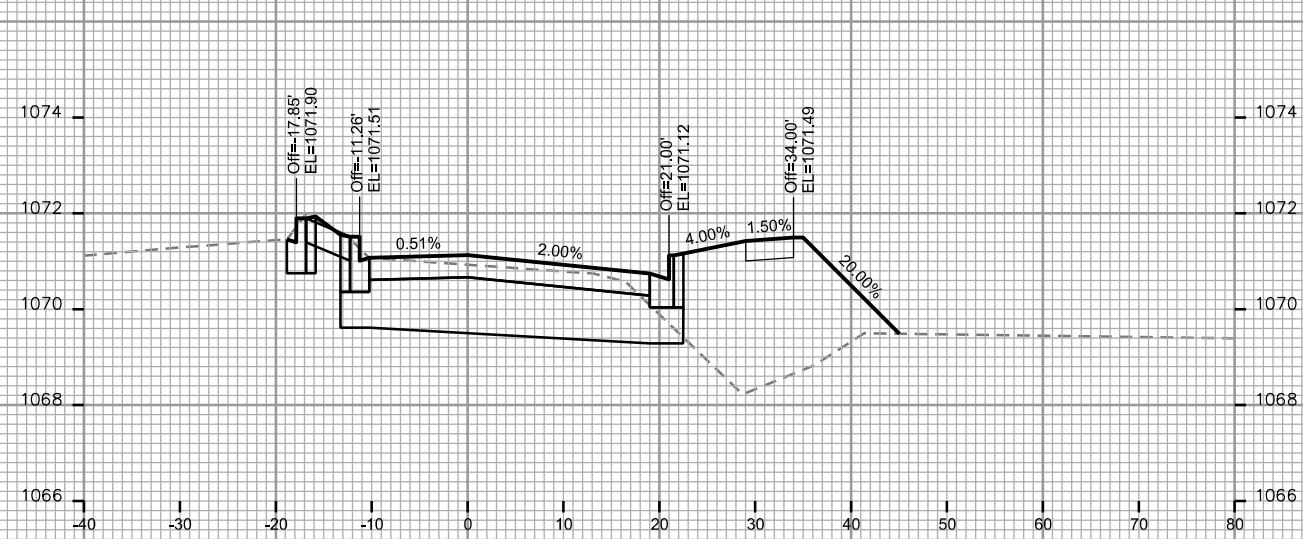
CITY OF MADISON

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CROSS SECTIONS

SOUTH POINT RD

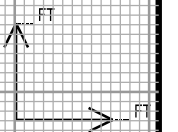
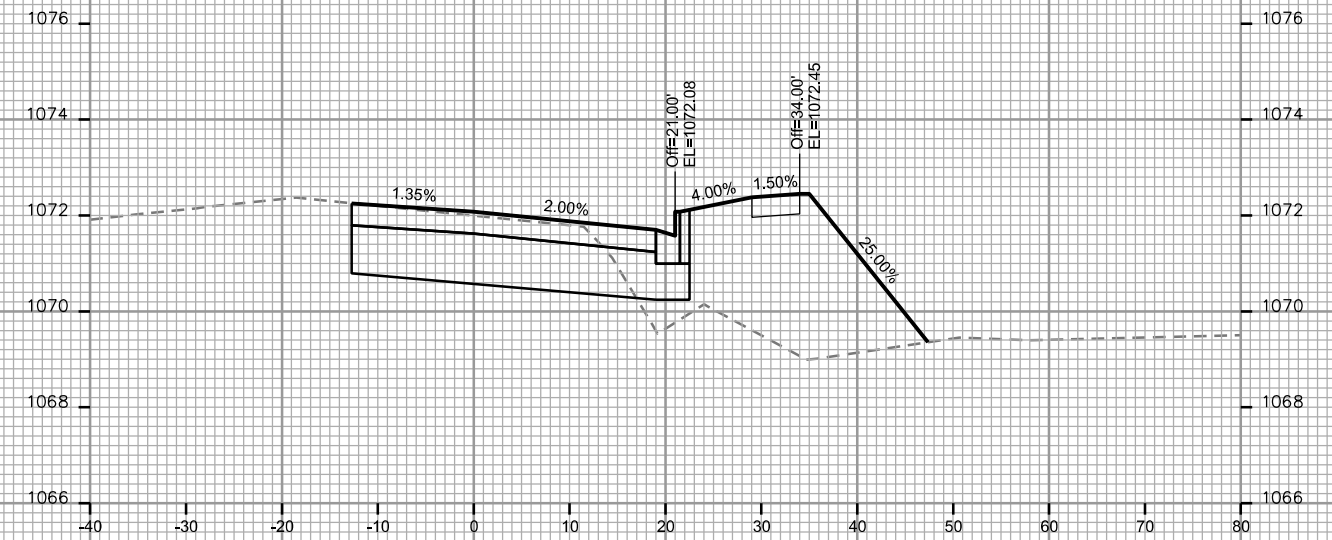
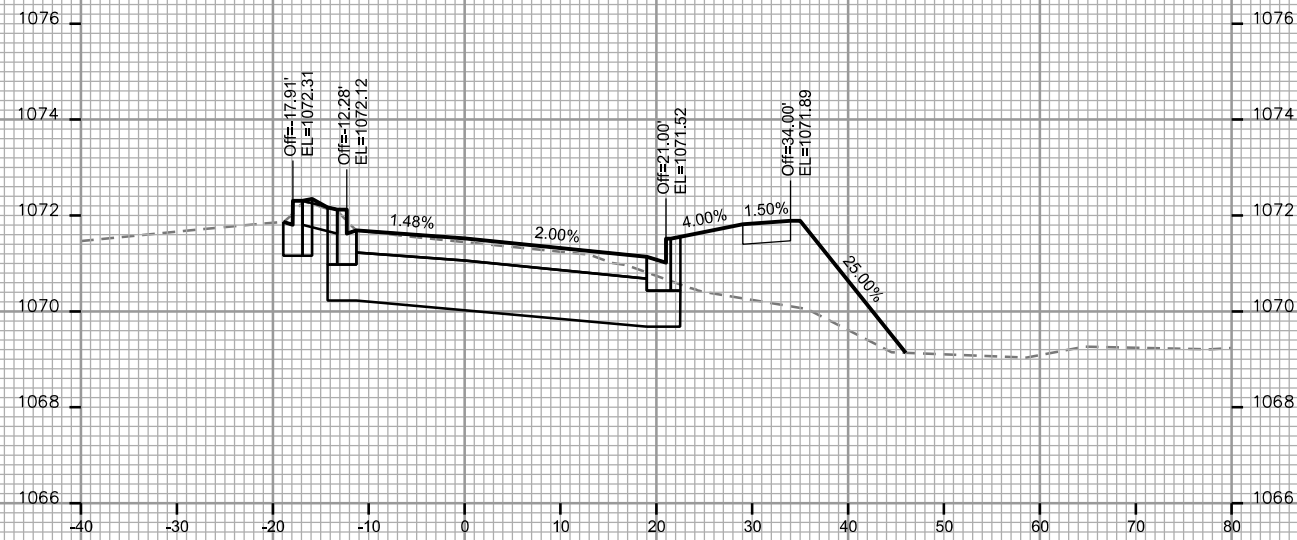
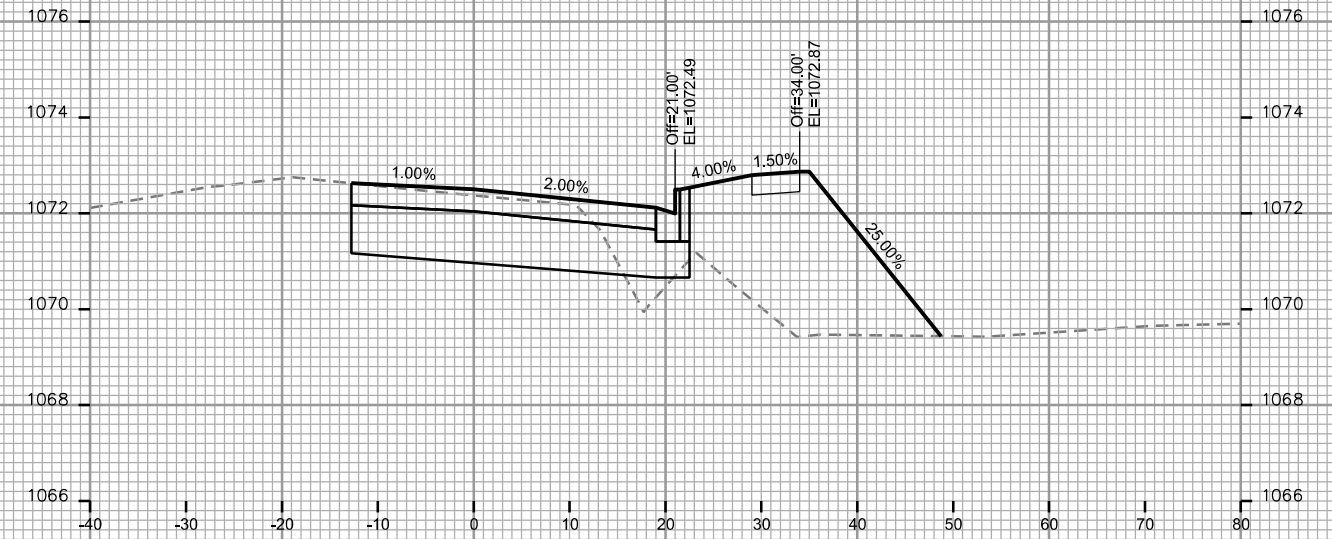
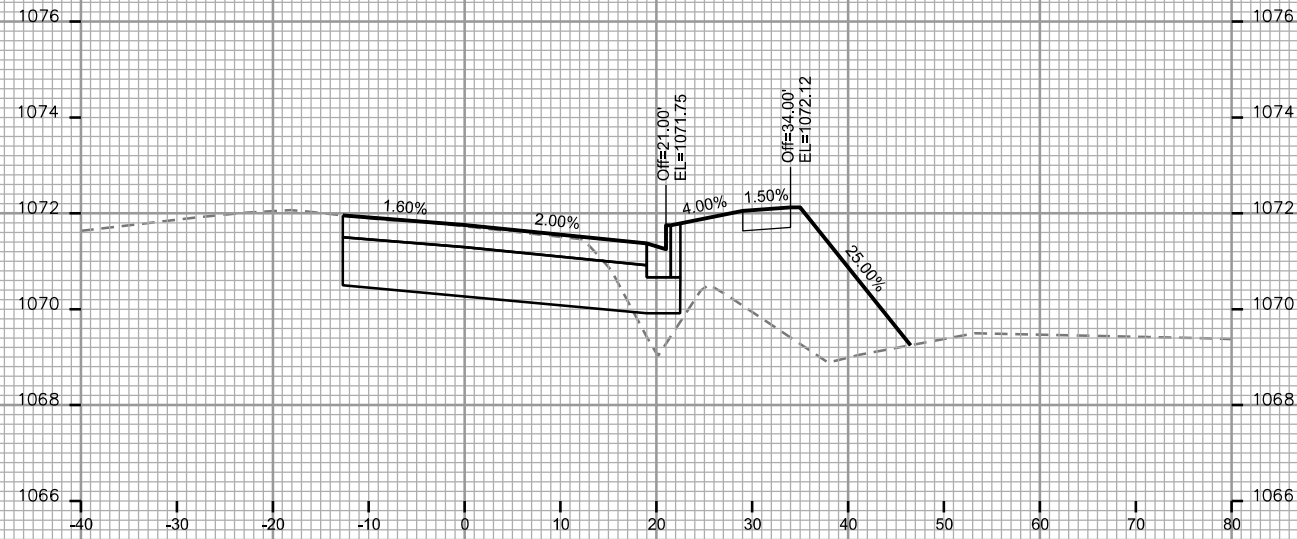
CITY OF MADISON

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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

SOUTH POINT RD

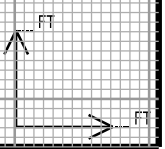
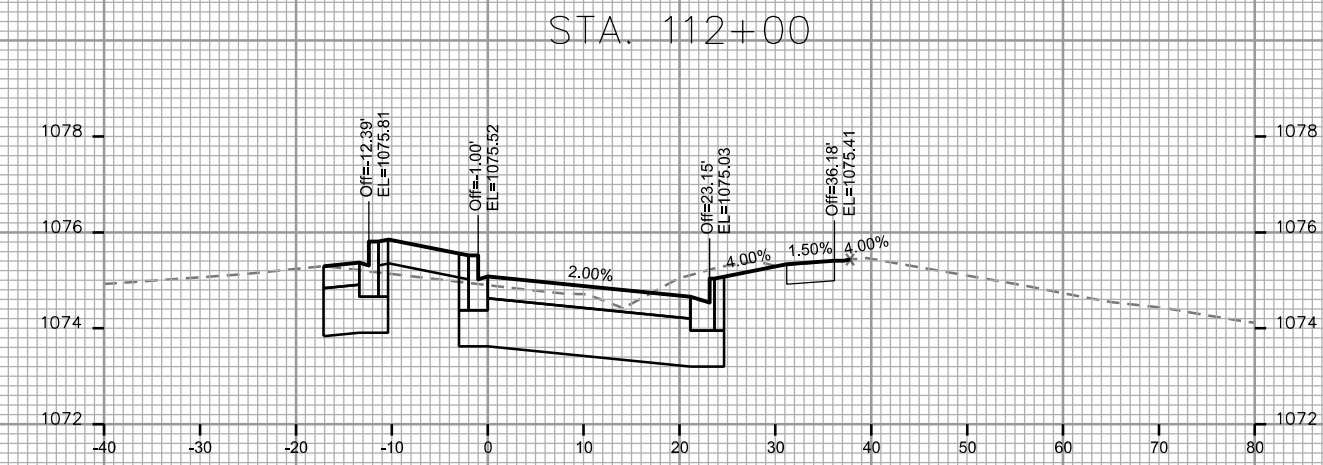
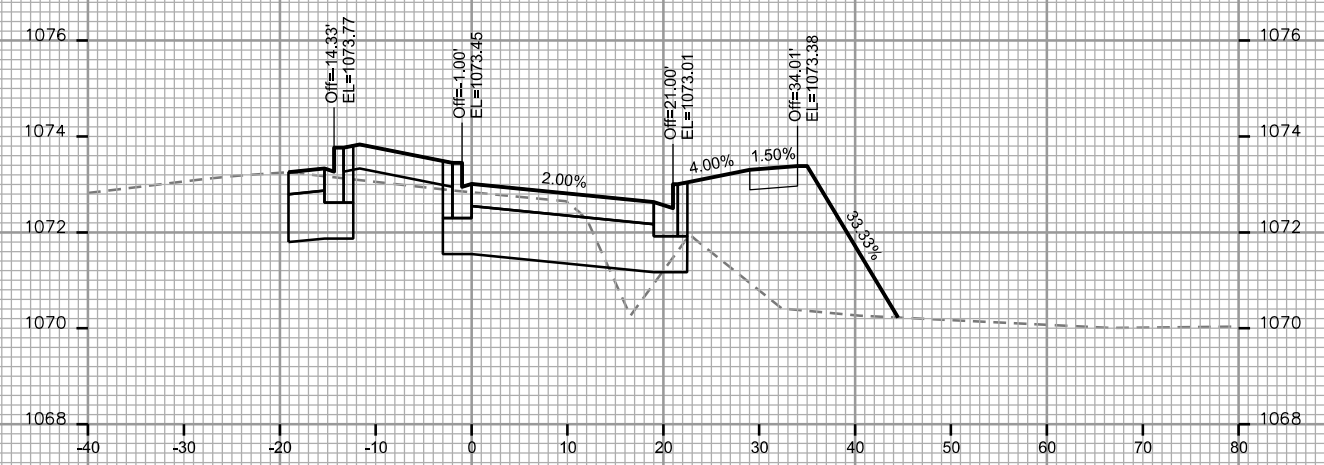
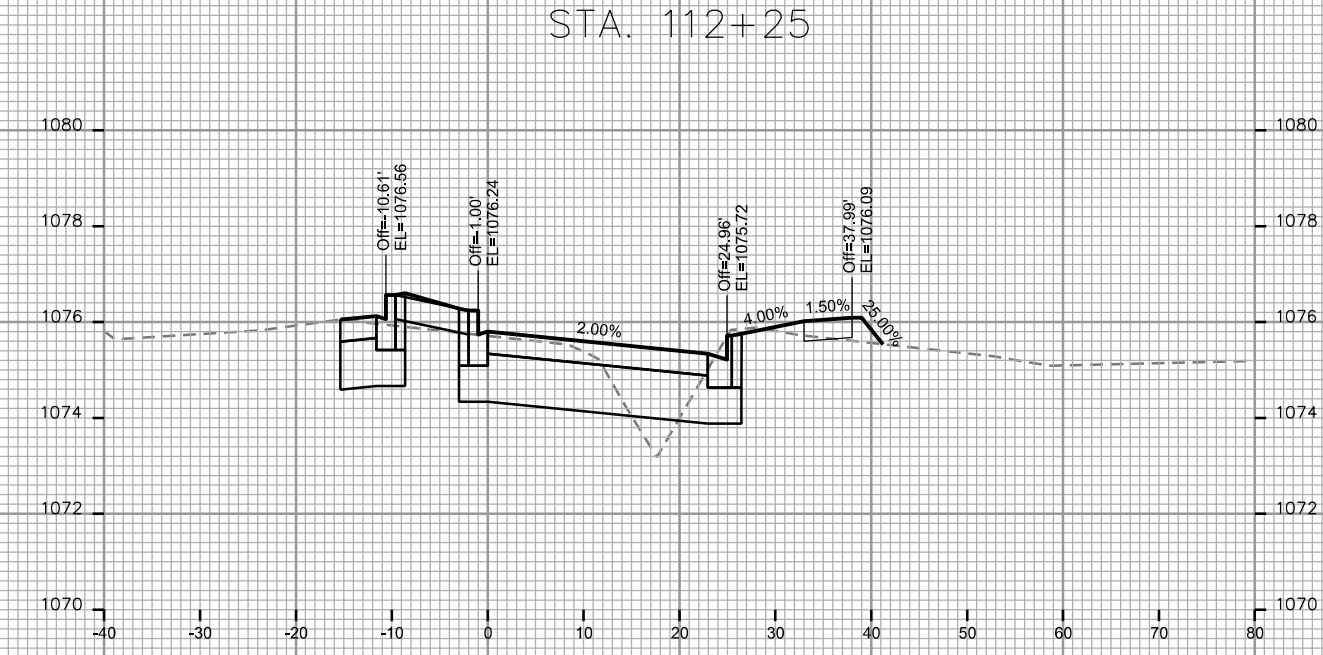
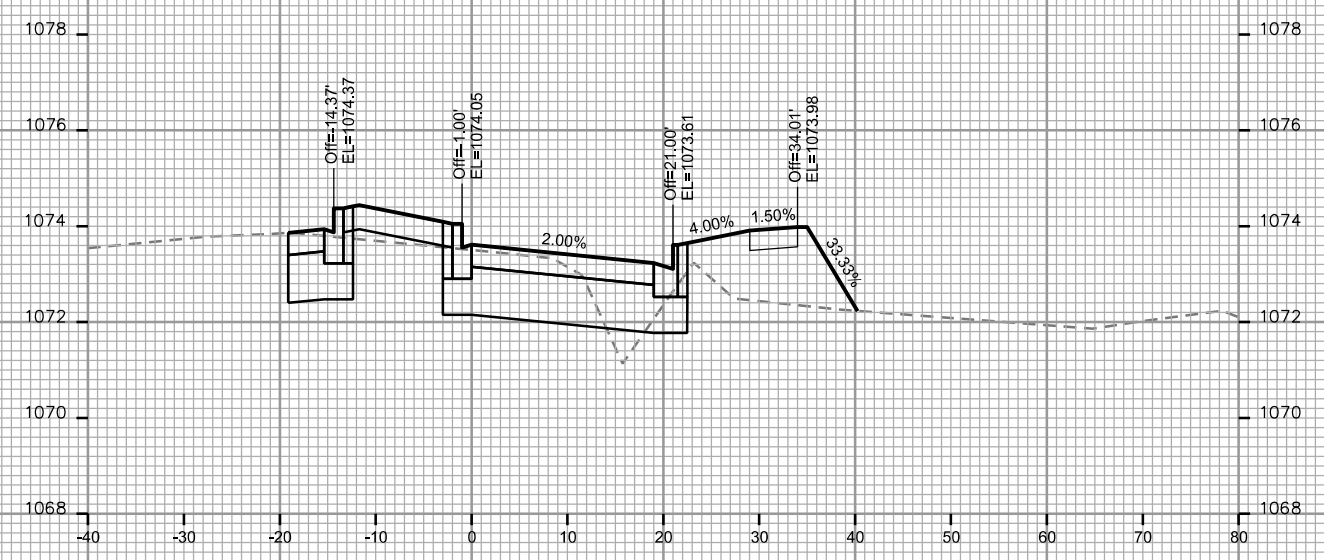
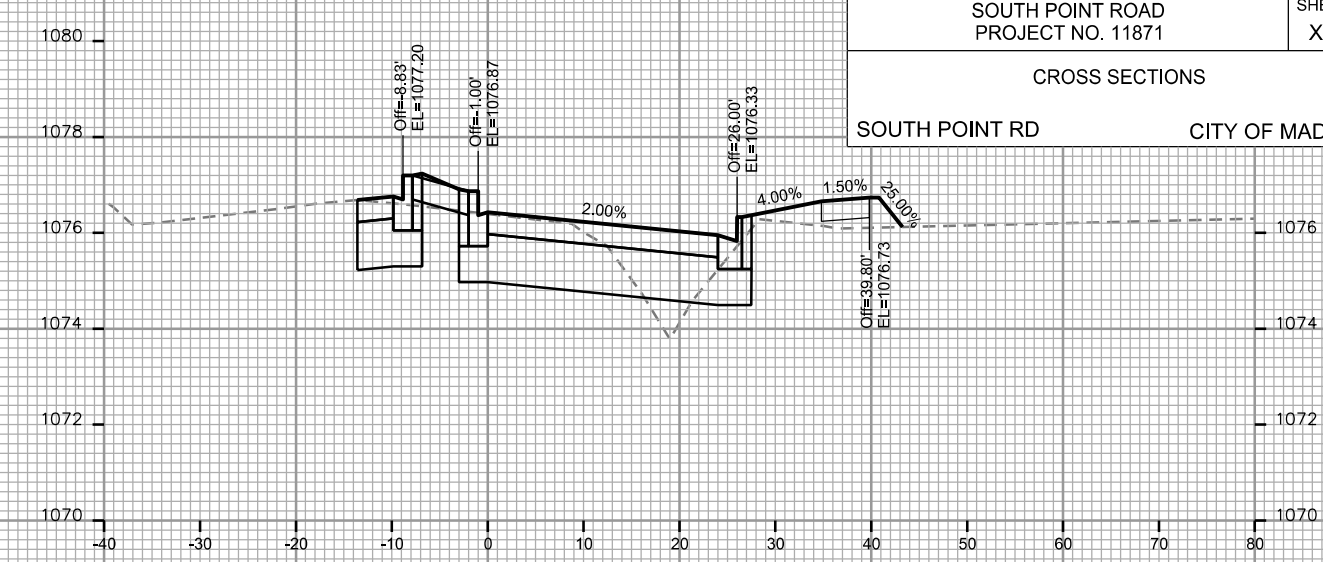
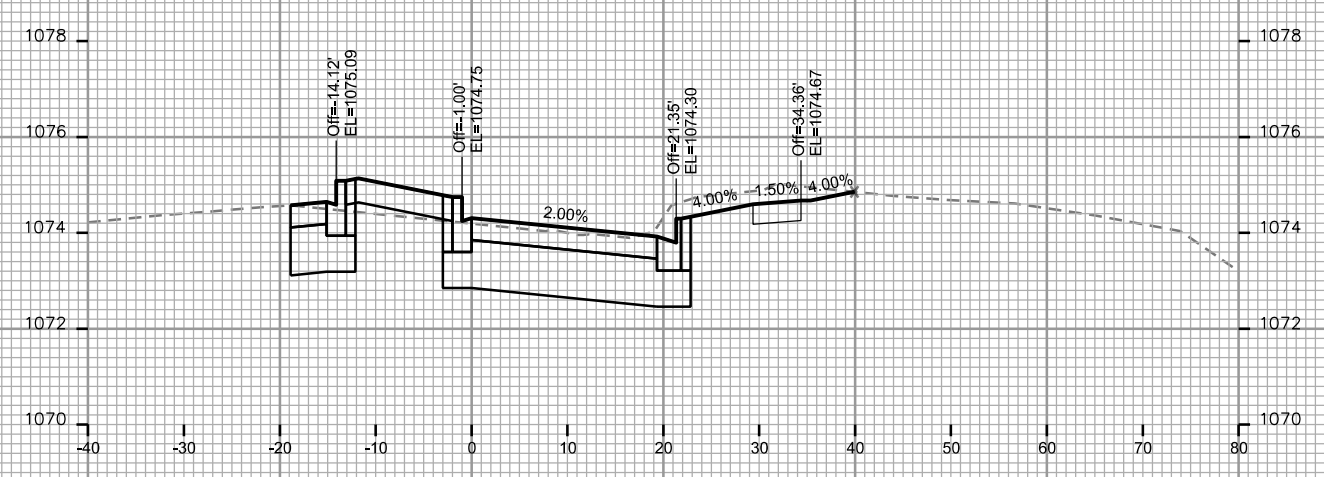
CITY OF MADISON

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CROSS SECTIONS

SOUTH POINT RD

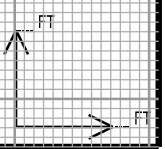
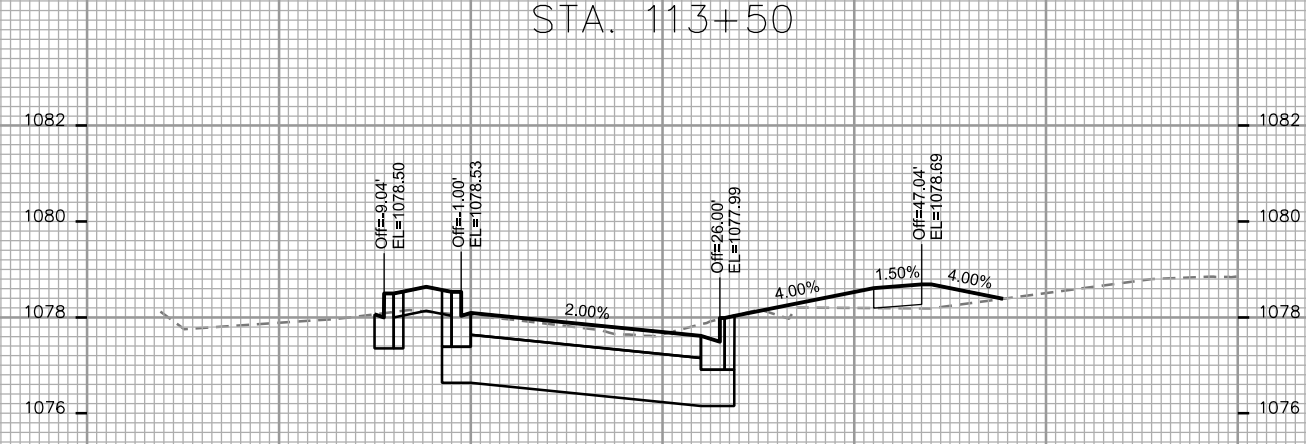
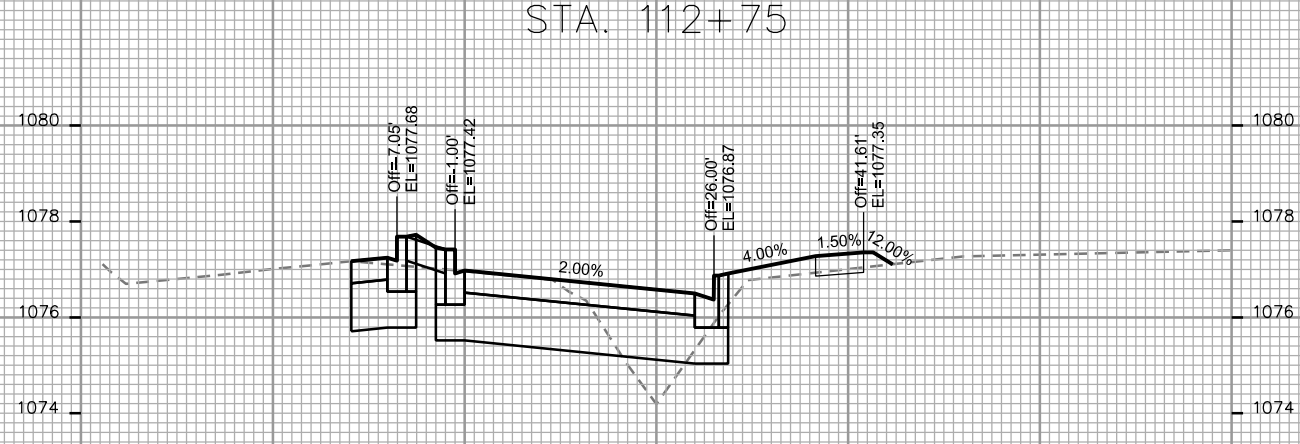
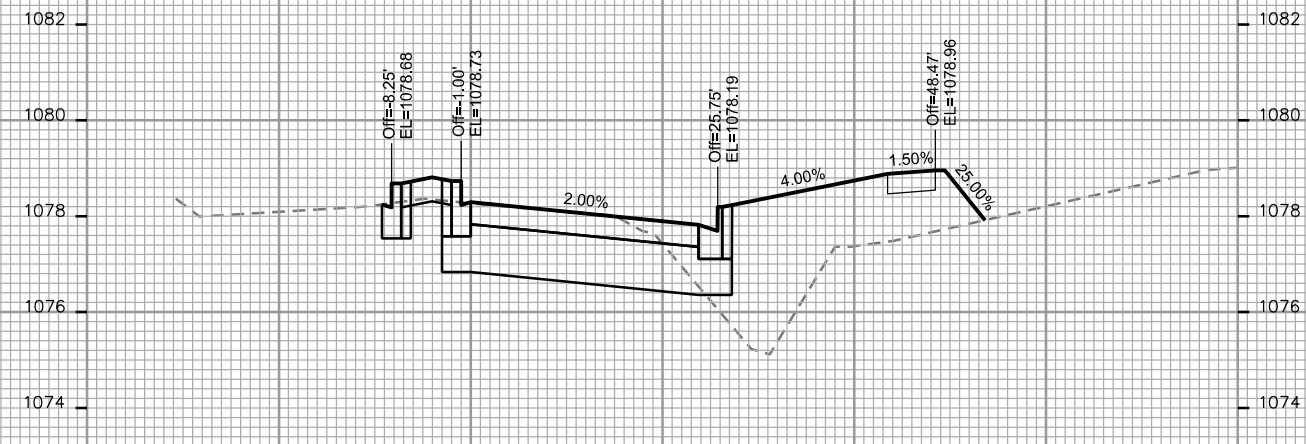
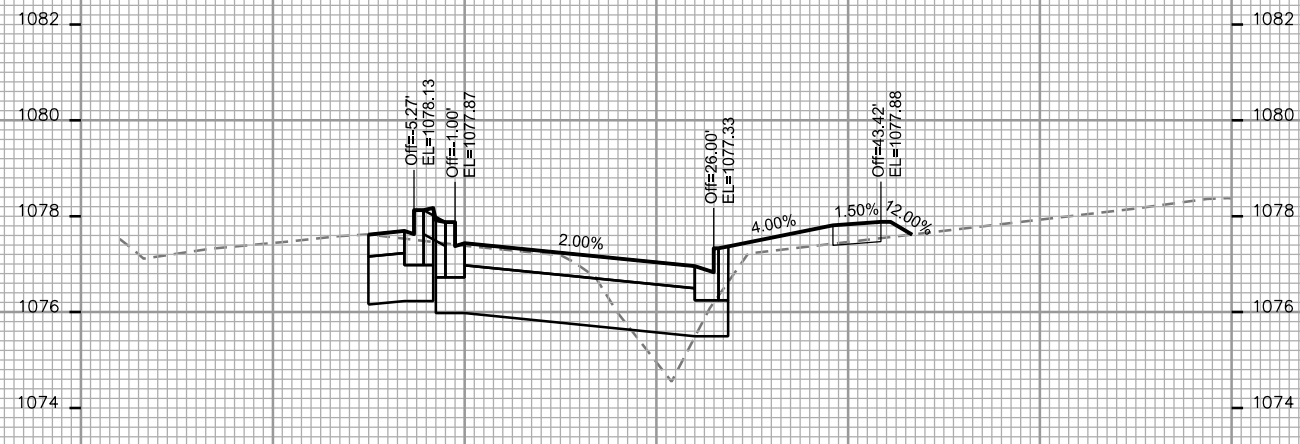
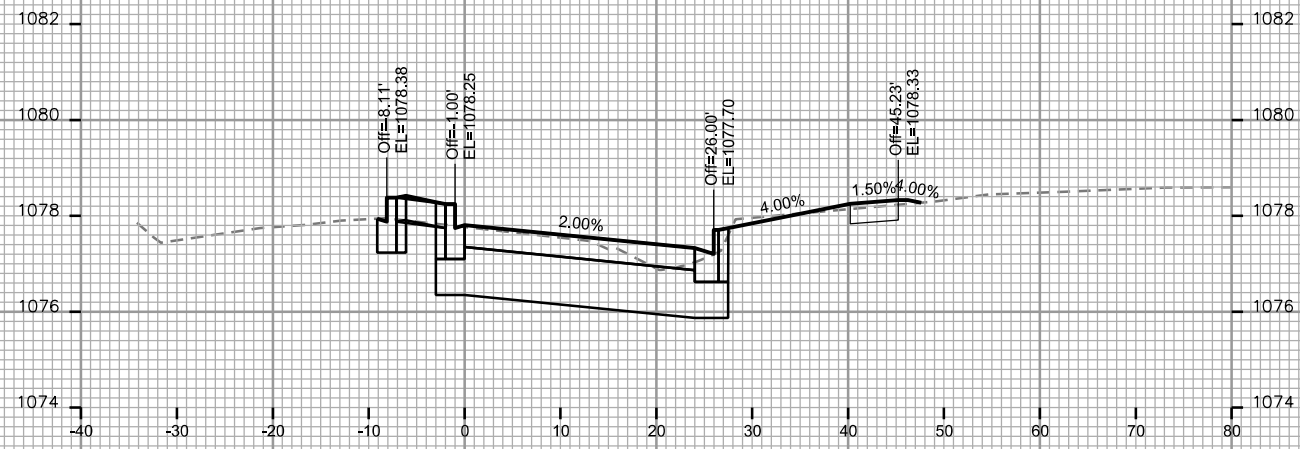
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

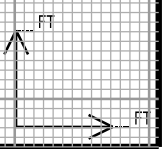
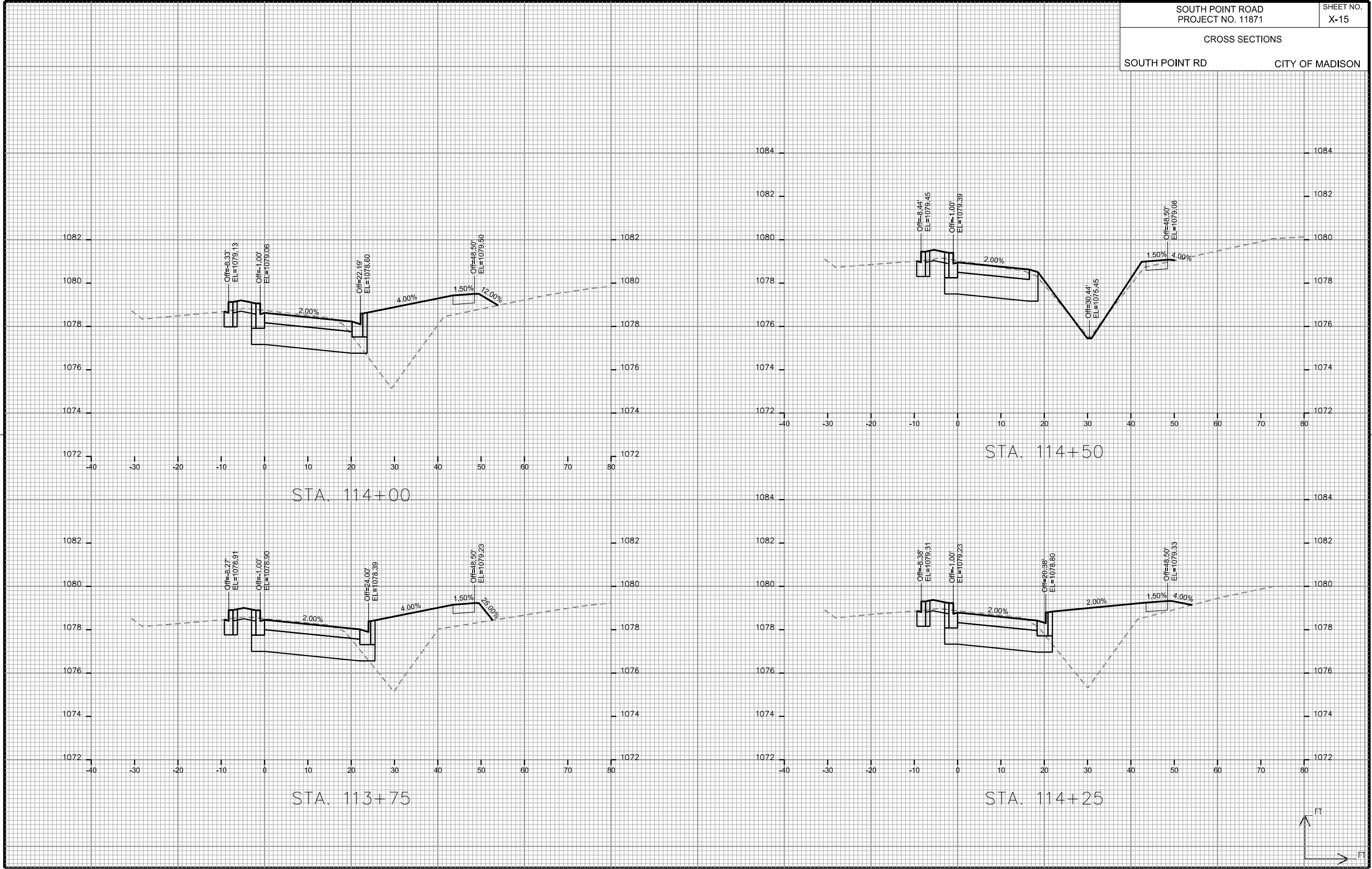
SOUTH POINT RD

CITY OF MADISON

PLOT SCALE: _____
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

SOUTH POINT RD

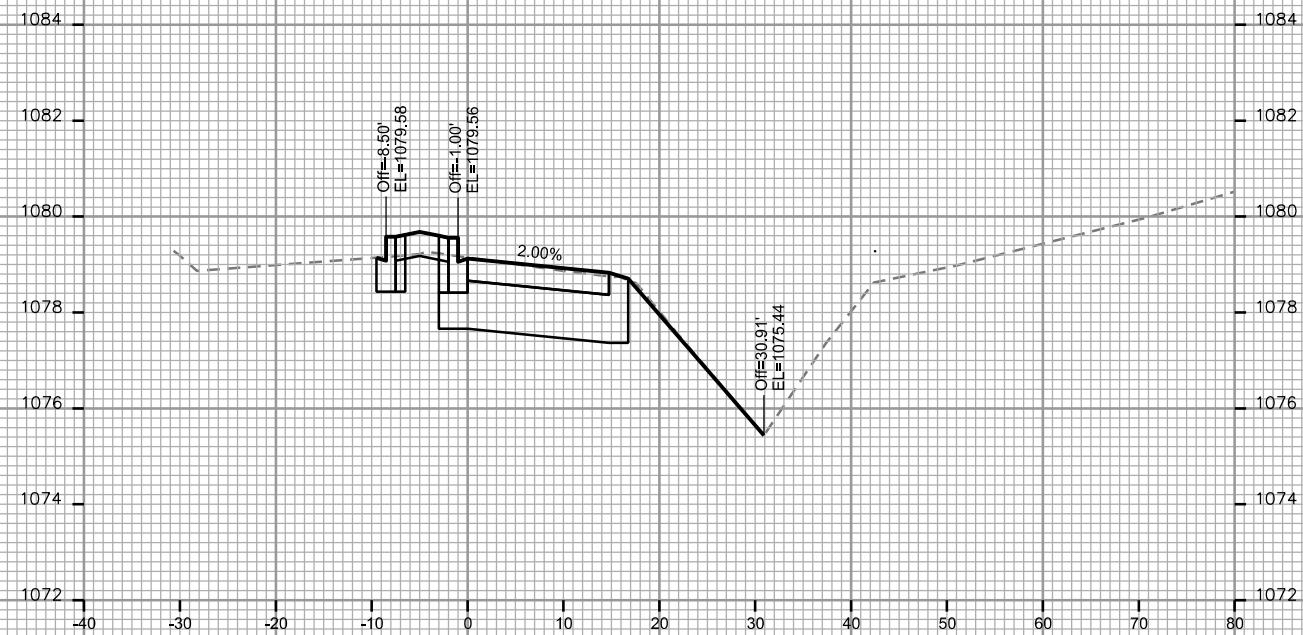
CITY OF MADISON

PLOT SCALE: _____

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STA. 114+75

