

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS


PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

NOVEMBER 1, 2016

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

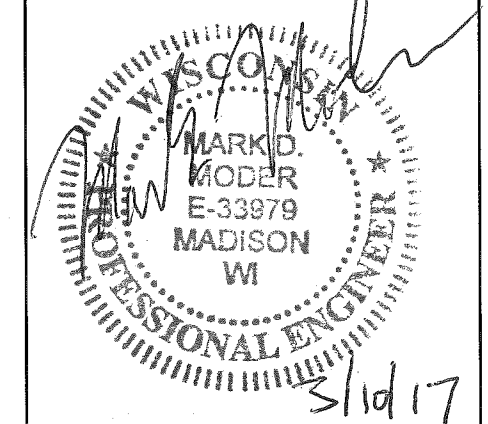
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:


City Engineer Date 3/10/17

STREET
DESIGNED BY:

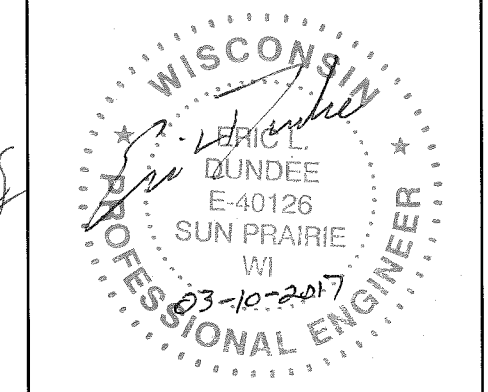
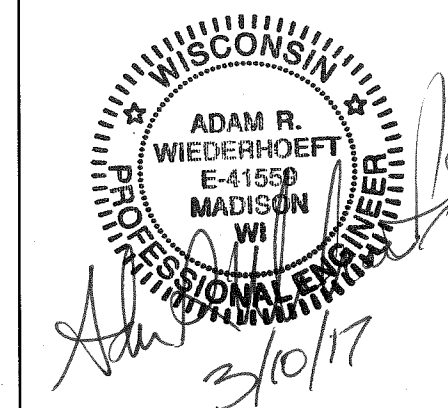


SANITARY SEWER
DESIGNED BY:



STORM SEWER
DESIGNED BY:

WATER MAIN
DESIGNED BY:



INDEX OF SHEETS

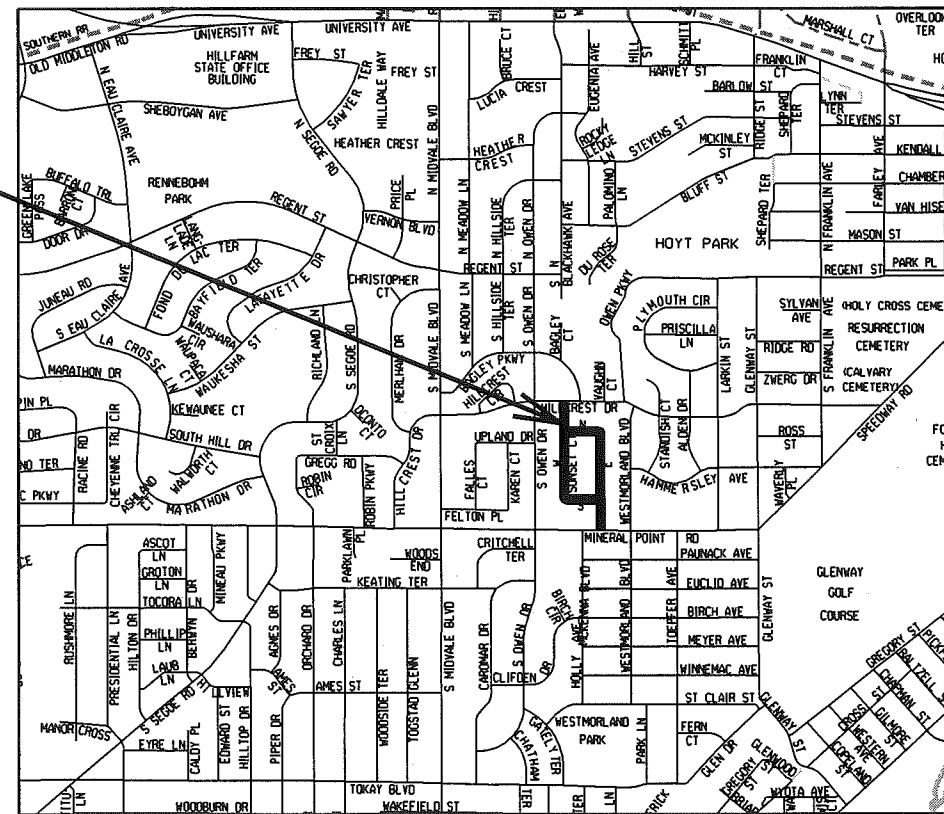
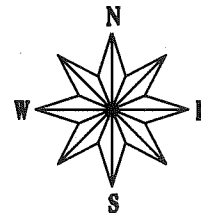
SHEET NO.	TITLE
1	TYPICAL SECTION & DETAILS
DI-D2	CHANNEL STABILIZATION PLAN & PROFILE
C-1	EROSION CONTROL PLANS
EC1-EC8	STREET PLAN & PROFILES
PI-P8	SEWERS PLAN & PROFILES
UI-U8	SEWER SCHEDULES
U9-UII	WATER PLAN & PROFILES
WI-W8	WATER ESTIMATE OF MATERIALS & DETAILS
W9	CROSS SECTIONS
XI-X27	

SUNSET COURTS ASSESSMENT DISTRICT - 2017

CITY PROJECT NO. 11431

CONTRACT NO. 7813

PROJECT LOCATION



CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	G
STORM SEWER	ST
SANITARY SEWER	SAN
WATER	W
OVERHEAD ELECTRIC	OH
POWER POLE	⏏

NOTES:

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

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

EARTH WORK SUMMARY:

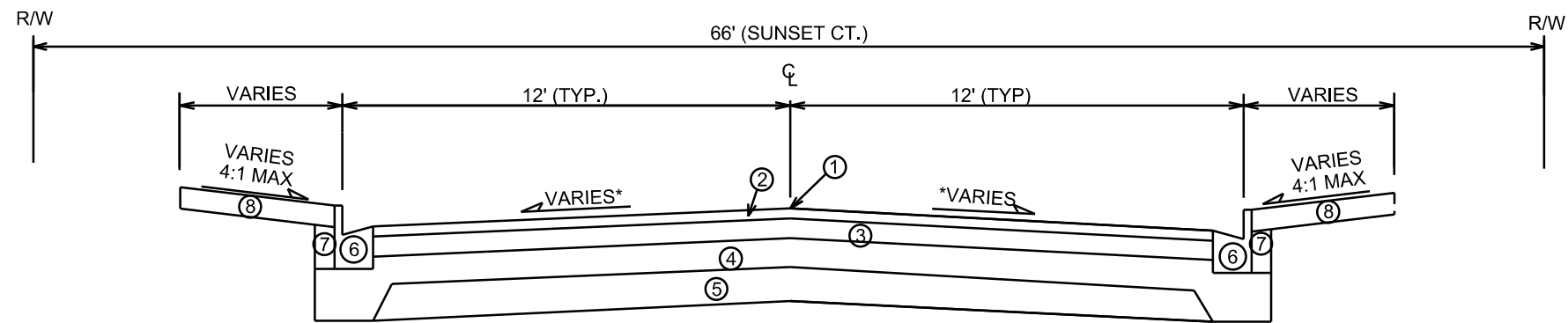
EXCAVATION CUT (MEASURED PLAN QUANTITY).....	4,250 C.Y.
EXCAVATION CUT (CHANNEL STABILIZATION).....	111 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....	550 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	4,911 C.Y.

PLOT SCALE:

PLOT NAME:

REV. DATE:

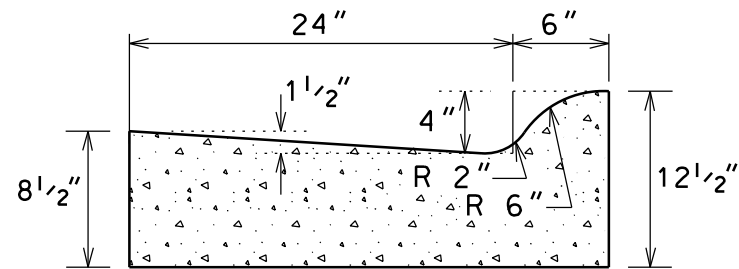
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



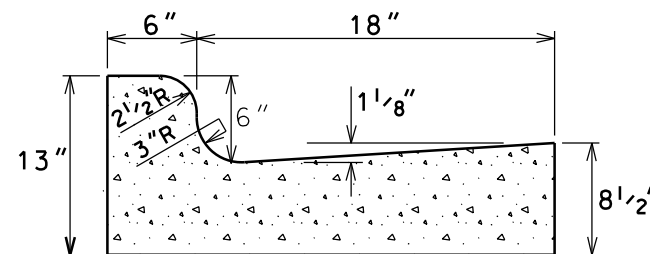
TYPICAL FINISHED SECTION
N SUNSET CT., S SUNSET CT., E SUNSET CT., W SUNSET CT.

- ① POINT REFERRED TO ON PROFILE
- ② 1 3/4" BITUMINOUS UPPER LAYER, TYPE E-0.3
- ③ 1 3/4" BITUMINOUS LOWER LAYER, TYPE E-0.3
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ MODIFIED TYPE 'A' OR (SEE DETAIL) STND TYPE 'A' OR DWY TYPE 'X' OR MODIFIED PED RAMP TYPE 'X' OR MODIFIED TYPE 'A' (HILLCREST) (SEE DETAIL) CONCRETE CURB & GUTTER (SEE PLAN & PROFILES FOR LOCATIONS)
- ⑦ FILL, INCIDENTAL
- ⑧ 4" TOPSOIL AND SOD

* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND CURB FLANGE ELEVATIONS.
TYPICAL SECTIONS NOT TO SCALE



MODIFIED TYPE 'A' CURB DETAIL
PAY AS TYPE 'A' CONC CURB & GUTTER
NOT TO SCALE



MODIFIED TYPE 'A' (HILLCREST) CURB & GUTTER
PAY AS TYPE 'A' CONC CURB & GUTTER
NOT TO SCALE

NOTE: EDGE OF GUTTER SHALL BE FLARED OUT TO 24" AT ALL INLET LOCATIONS OVER A MINIMUM 6 FT. IN LENGTH. FLARING OUT OF GUTTER SHALL BE CONSIDERED INCIDENTAL TO THE CURB & GUTTER.

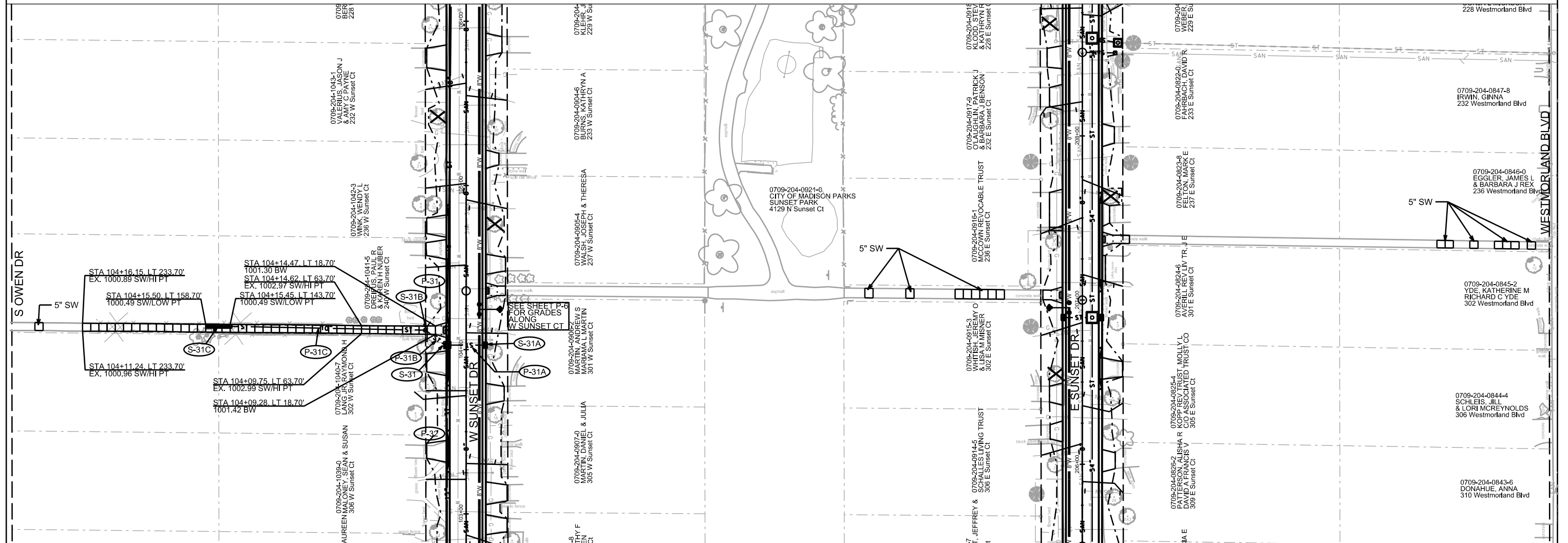
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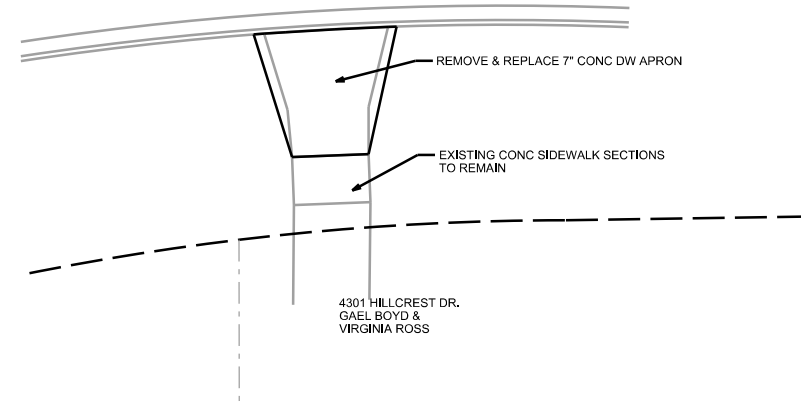
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SIDEWALK CONNECTIONS DETAIL



4301 HILLCREST DRIVEWAY REPLACEMENT DETAIL

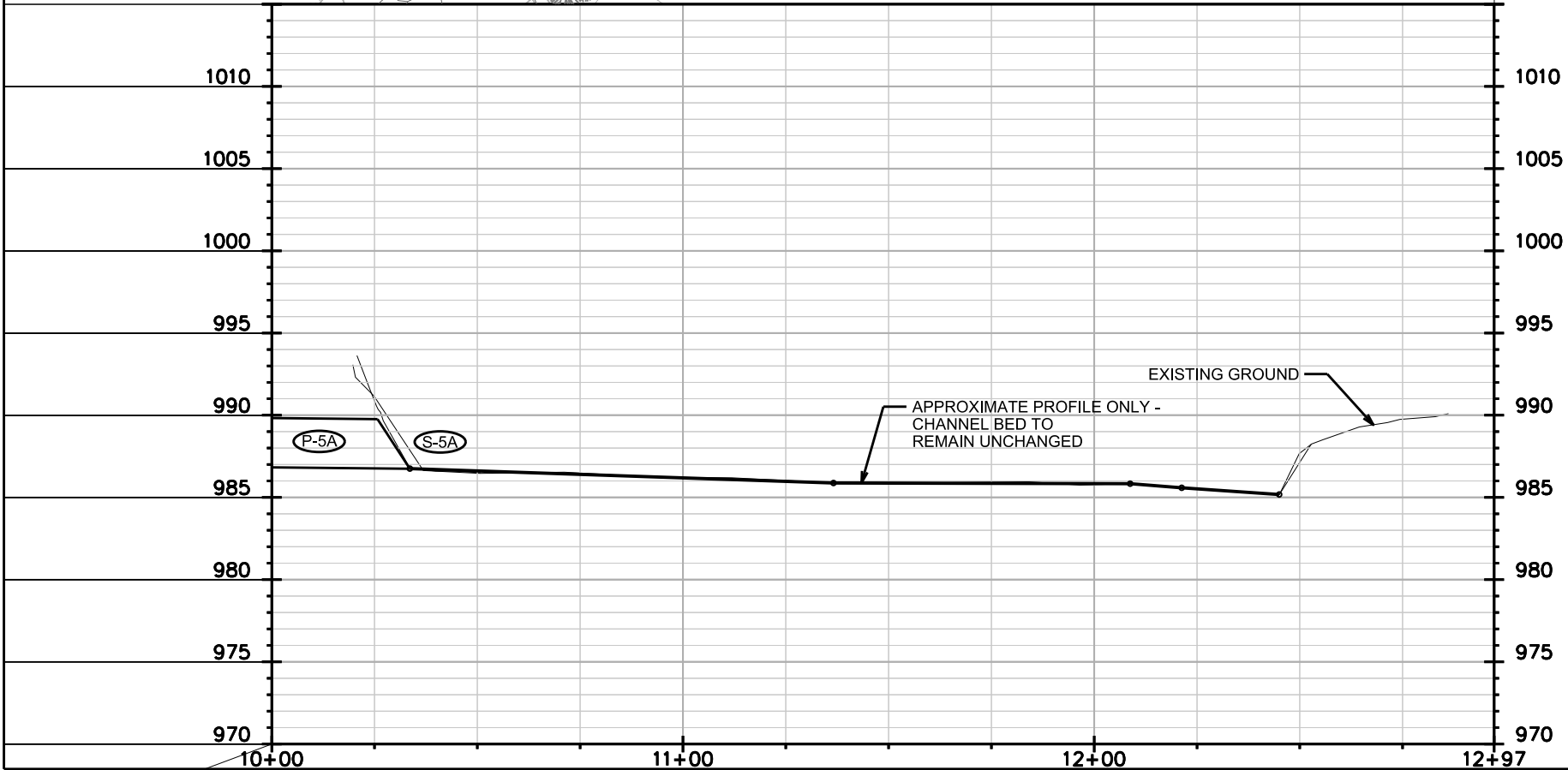
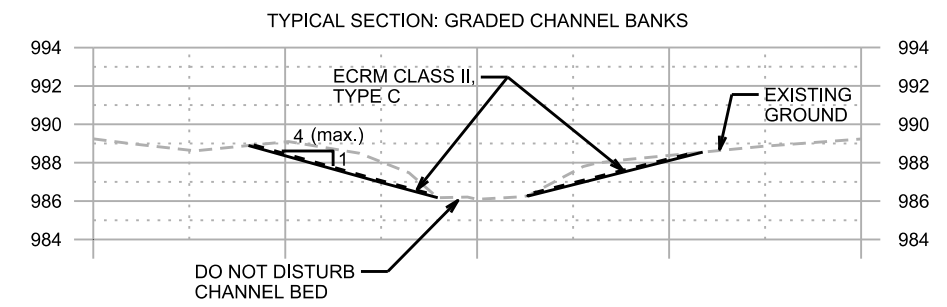
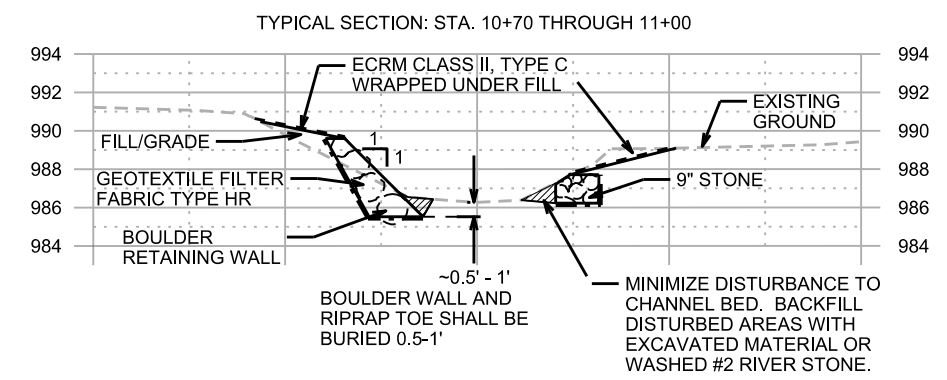
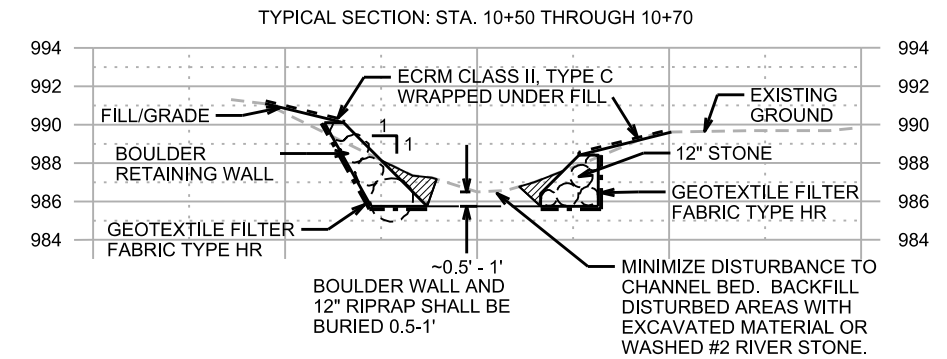
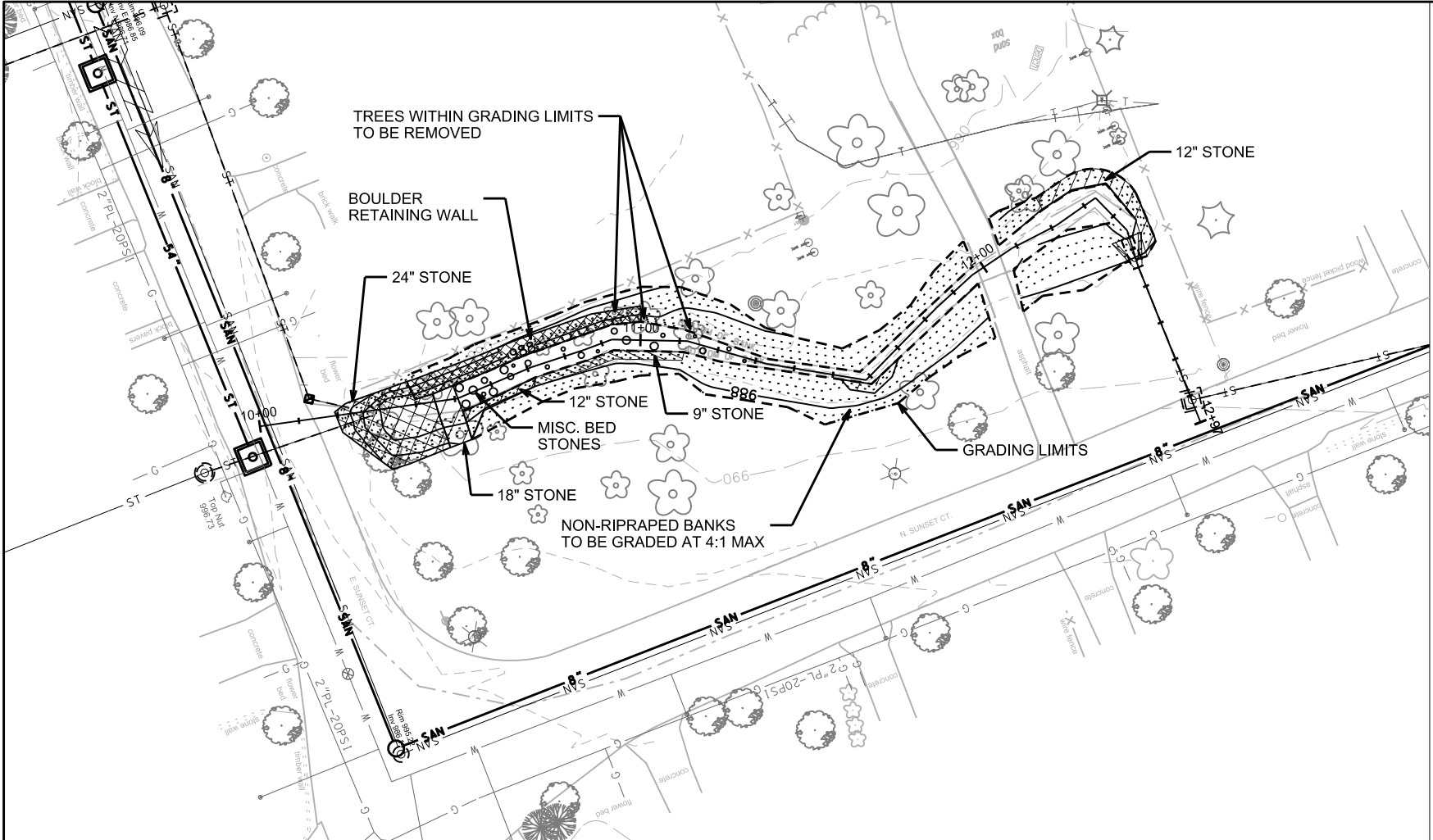


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PLAN AND PROFILE
CHANNEL STABILIZATION CITY OF MADISON



CHANNEL GRADING NOTES:

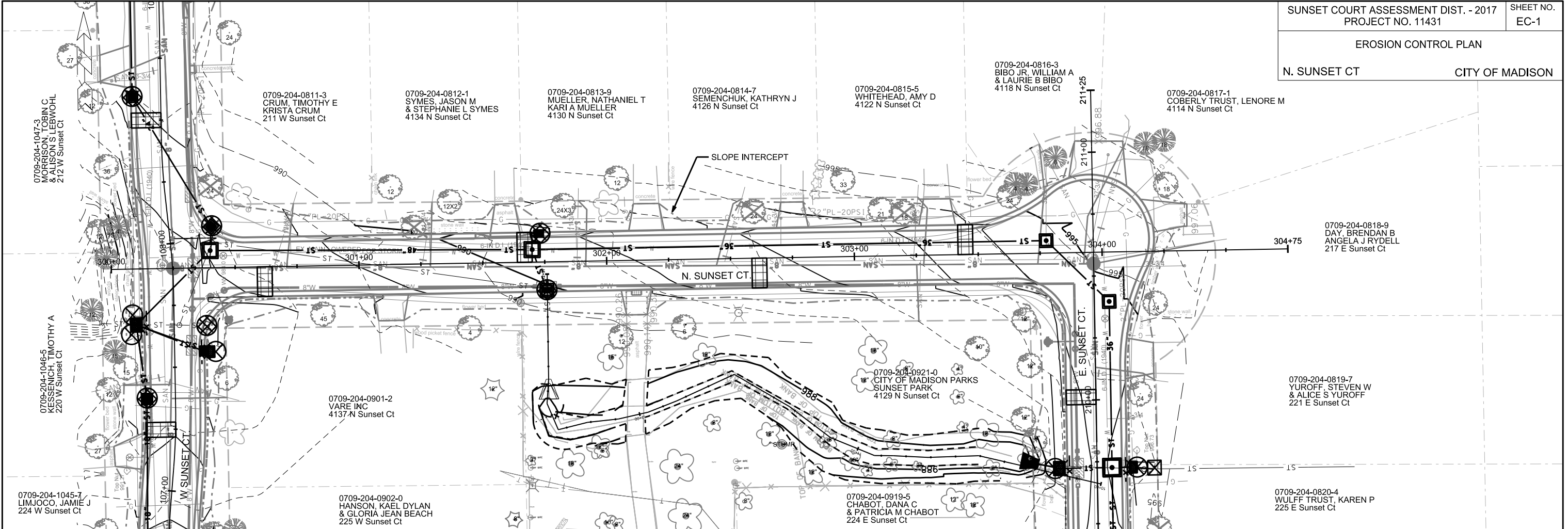
- 1) THE CONTRACTOR SHALL MINIMIZE DISTURBANCE TO THE CREEK BED, EXCAVATING ONLY WHAT IS ABSOLUTELY NECESSARY TO PLACE RIPRAP.
- 2) DISTURBANCE OF THE CREEK BED TO PLACE THE BOULDER RETAINING WALL AND RIPRAP TOE, SHALL BE BACKFILLED WITH ORIGINAL BED MATERIAL AND/OR WASHED #2 RIVER STONE.
- 3) GEOTEXTILE FILTER FABRIC SHALL BE PLACED SO THAT NO OVERHANG IS VISIBLE BEYOND PLACED STONE.
- 4) THE CHANNEL STABILIZATION OCCURS IN RESTRICTED AREAS. THE CONTRACTOR SHALL BE PREPARED TO USE SMALL EQUIPMENT AND HAND-PLACE STONE WHERE NECESSARY.
- 5) NON-RIPRAPED BANKS SHALL BE GRADED AT A SLOPE OF 4:1 (h:v) OR FLATTER.
- 6) THE BANKS SHALL SCARIFIED, SEEDED WITH A COVER CROP, AND IMMEDIATELY STABILIZED WITH CLASS II, TYPE C EROSION CONTROL MATTING. TOPSOIL PLACEMENT IS NOT NECESSARY.
- 7) WHERE PLACED ABOVE RIPRAP, ECRM CLASS II, TYPE C SHALL BE BURIED BETWEEN PLACED STONE AND FILL PLACED ABOVE THE RIPRAP.
- 8) DISTURBED AREAS ALONG THE CREEK, CREATED BY COMPLETION OF THE CHANNEL STABILIZATION, SHALL BE TOPSOILED, SEEDED WITH TERRACE SEED MIX, AND STABILIZED WITH ECRM CLASS I, URBAN TYPE A.

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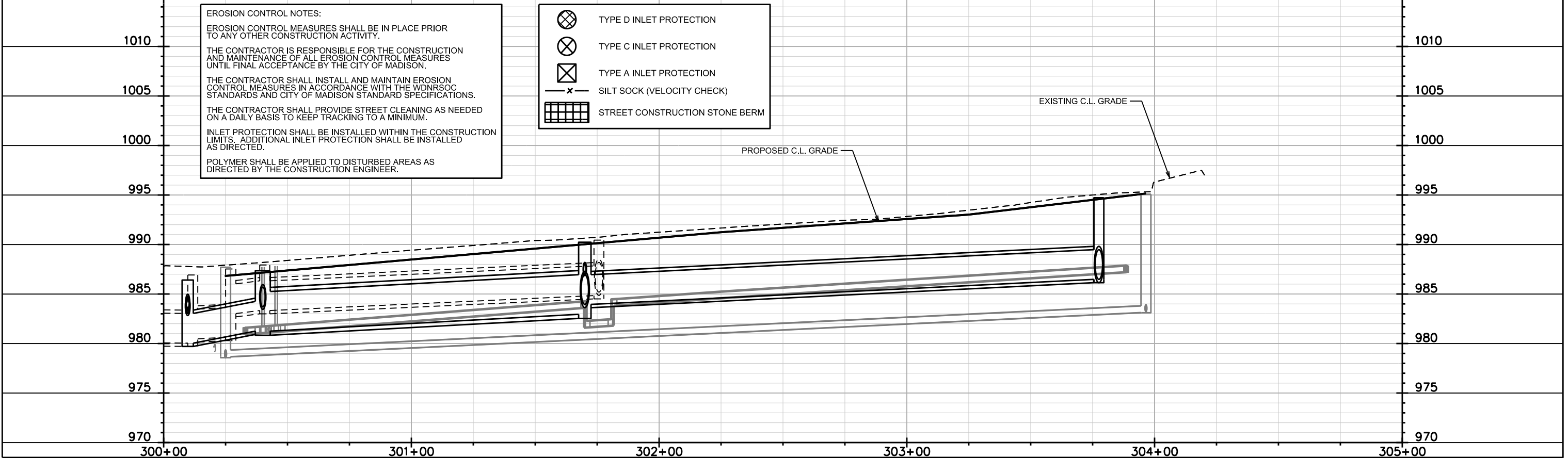
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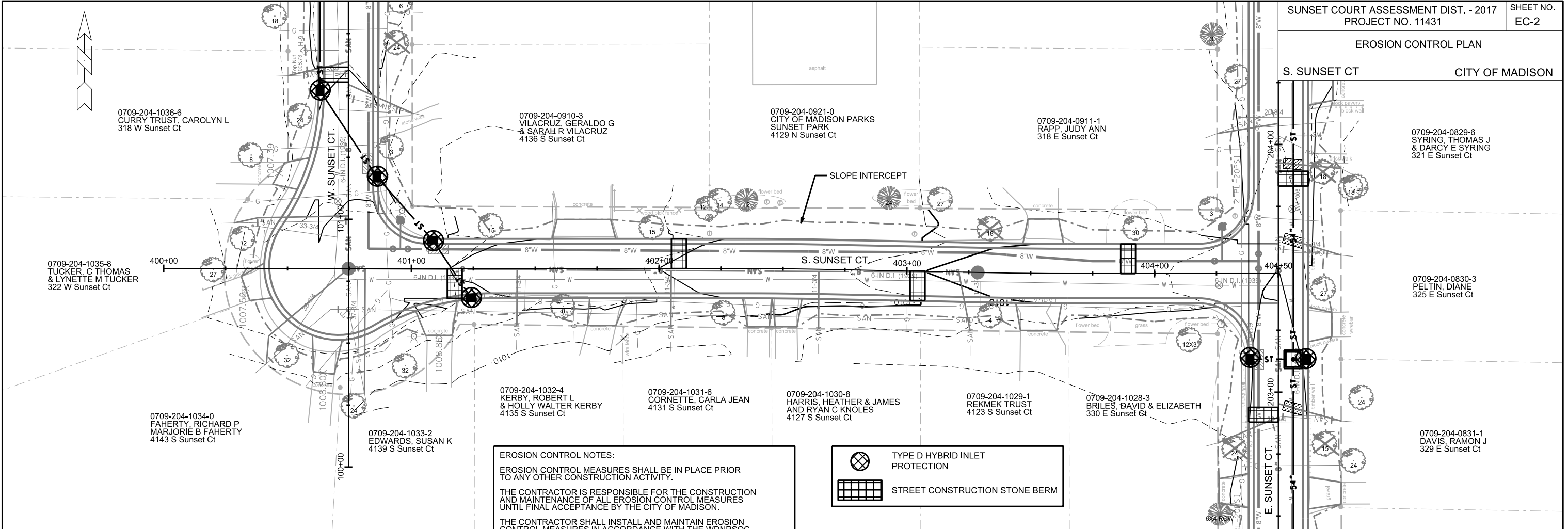
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- TYPE D INLET PROTECTION
- TYPE C INLET PROTECTION
- TYPE A INLET PROTECTION
- SILT SOCK (VELOCITY CHECK)
- STREET CONSTRUCTION STONE BERM



EROSION CONTROL PLAN

S. SUNSET CT CITY OF MADISON



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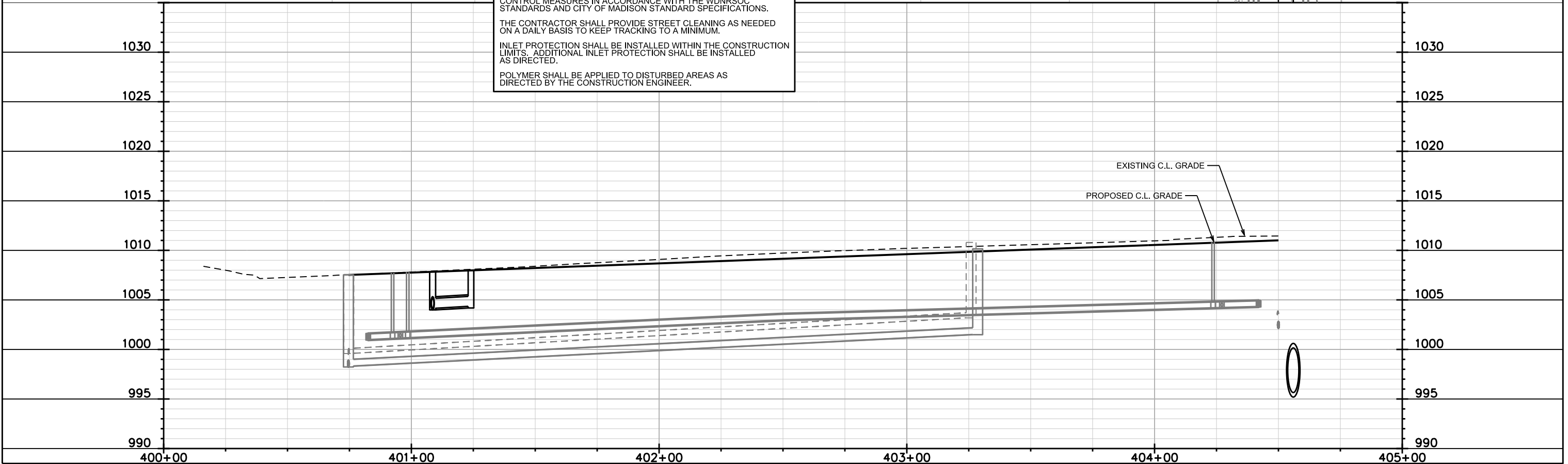
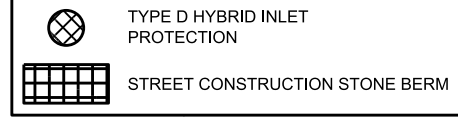
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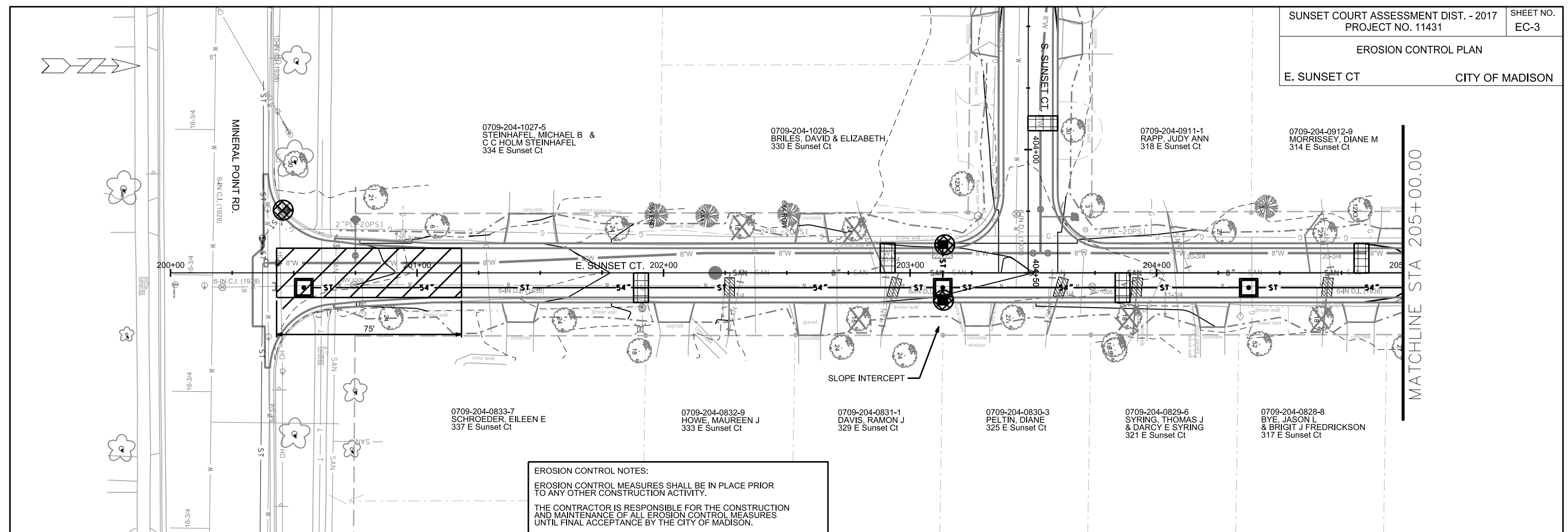
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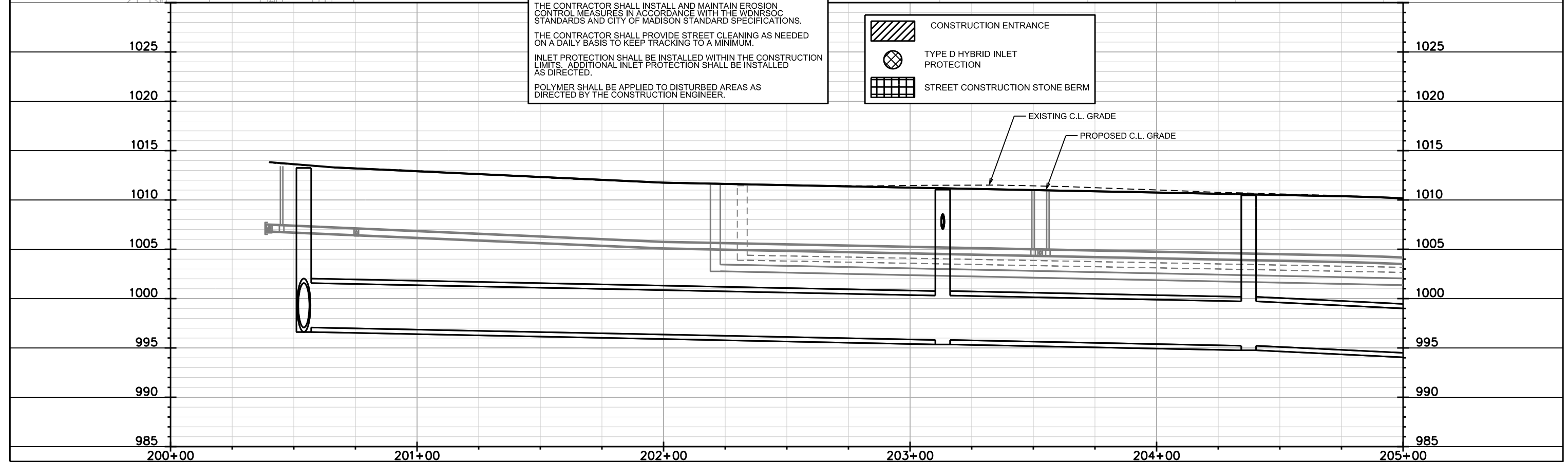
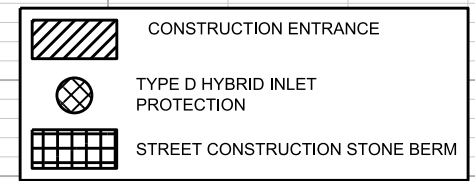
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EROSION CONTROL PLAN
E. SUNSET CT CITY OF MADISON



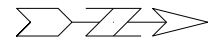
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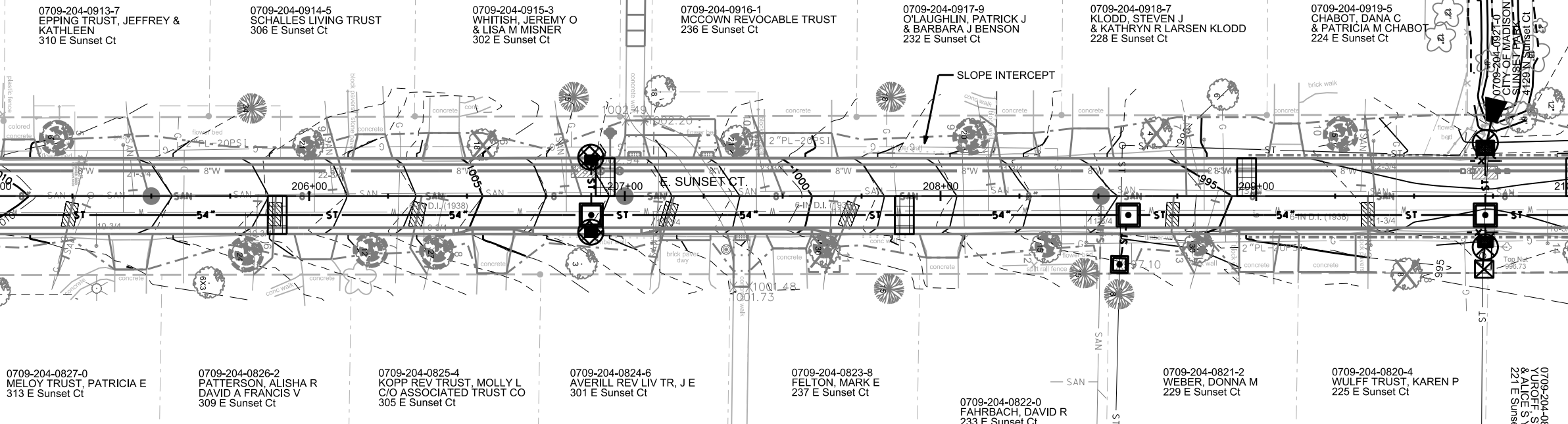
EROSION CONTROL PLAN






E. SUNSET CT CITY OF MADISON



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-  TYPE D INLET PROTECTION
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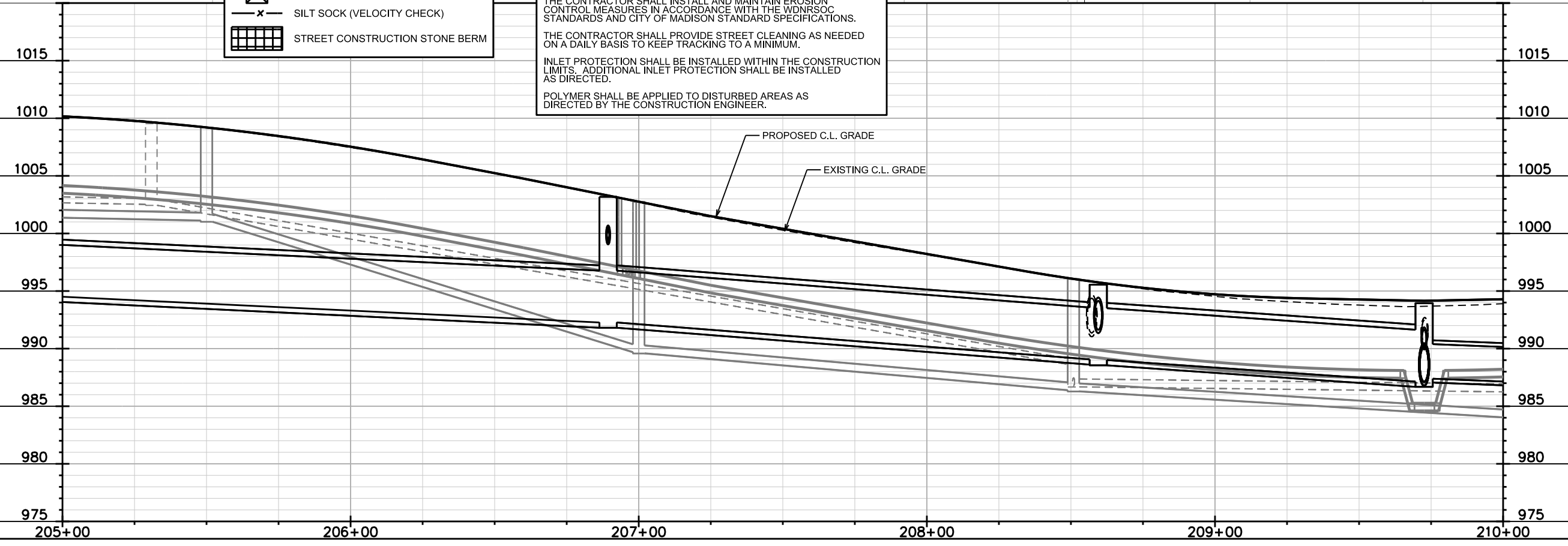
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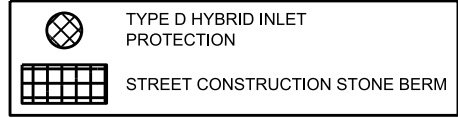
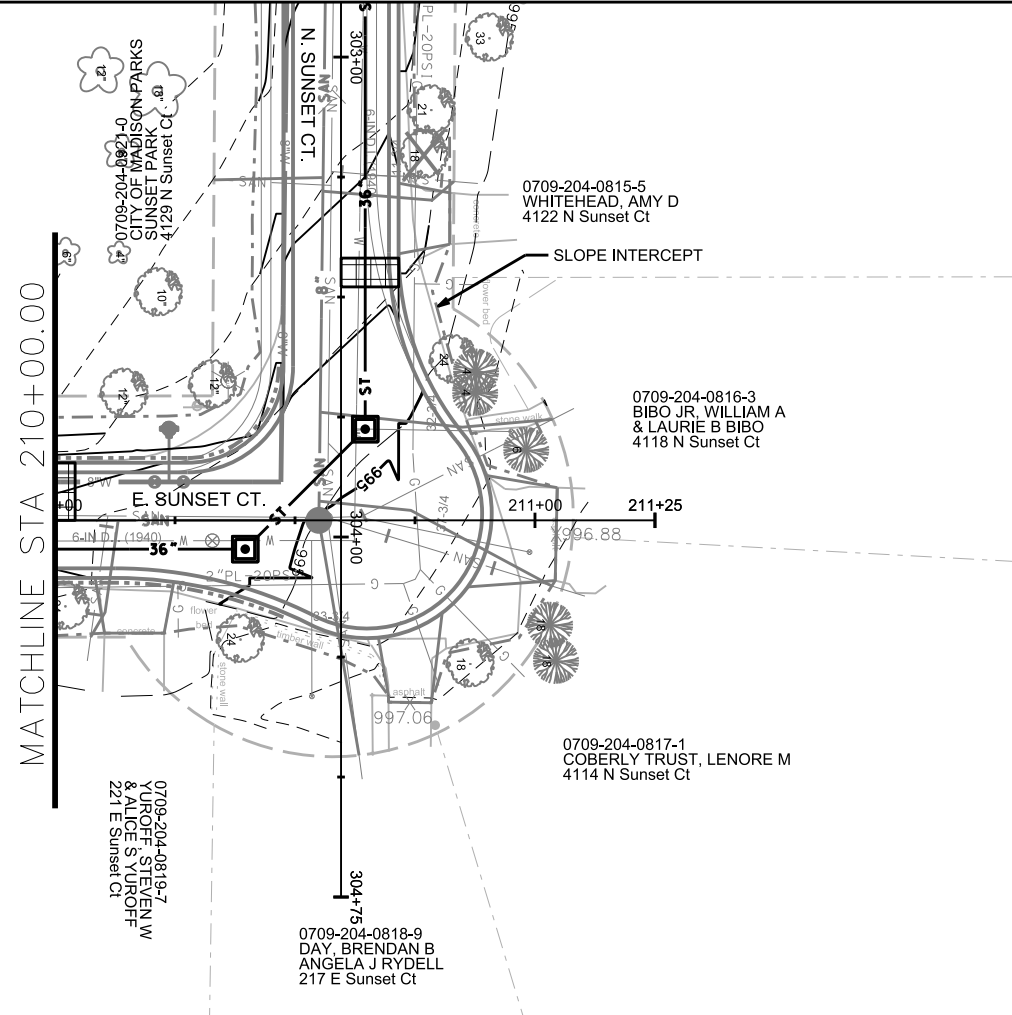
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EROSION CONTROL PLAN

E. SUNSET CT

CITY OF MADISON



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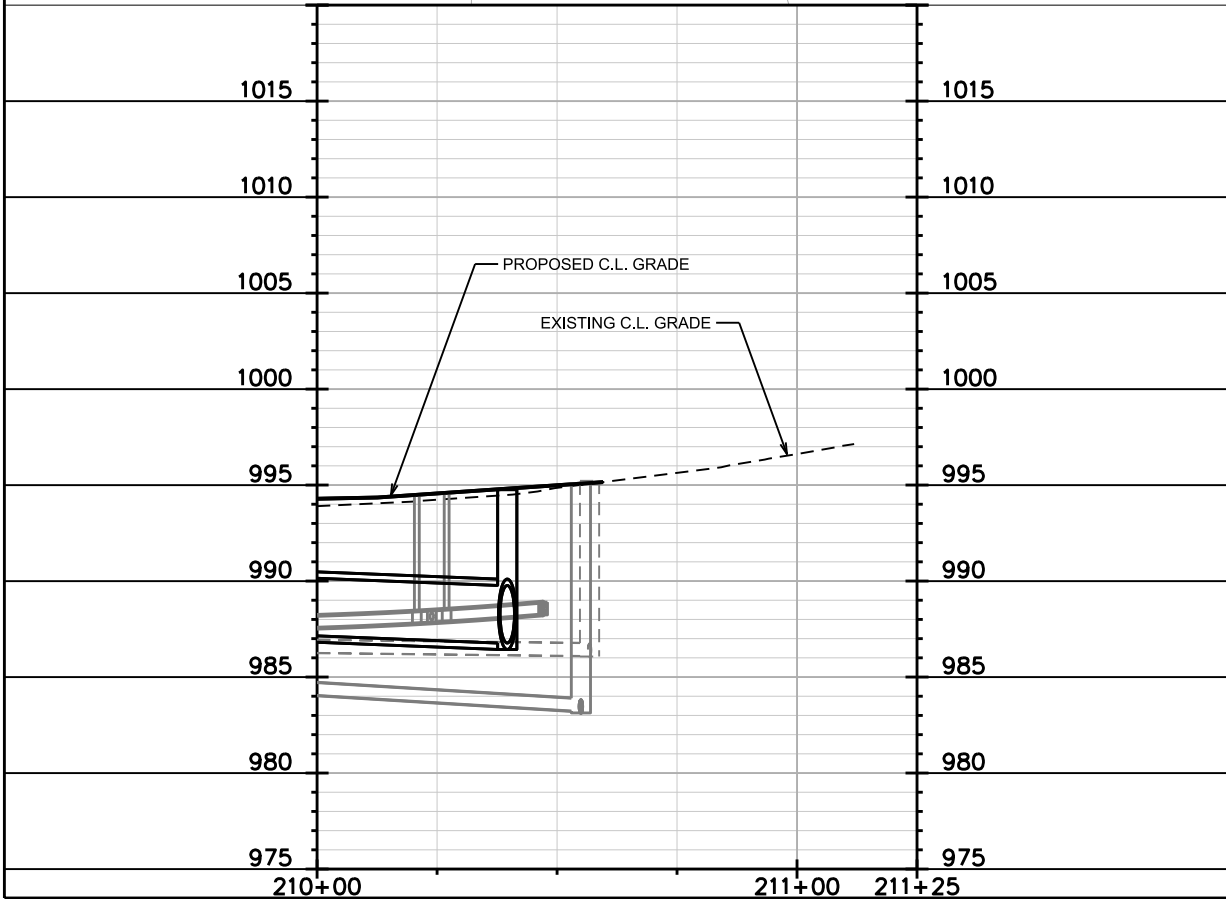
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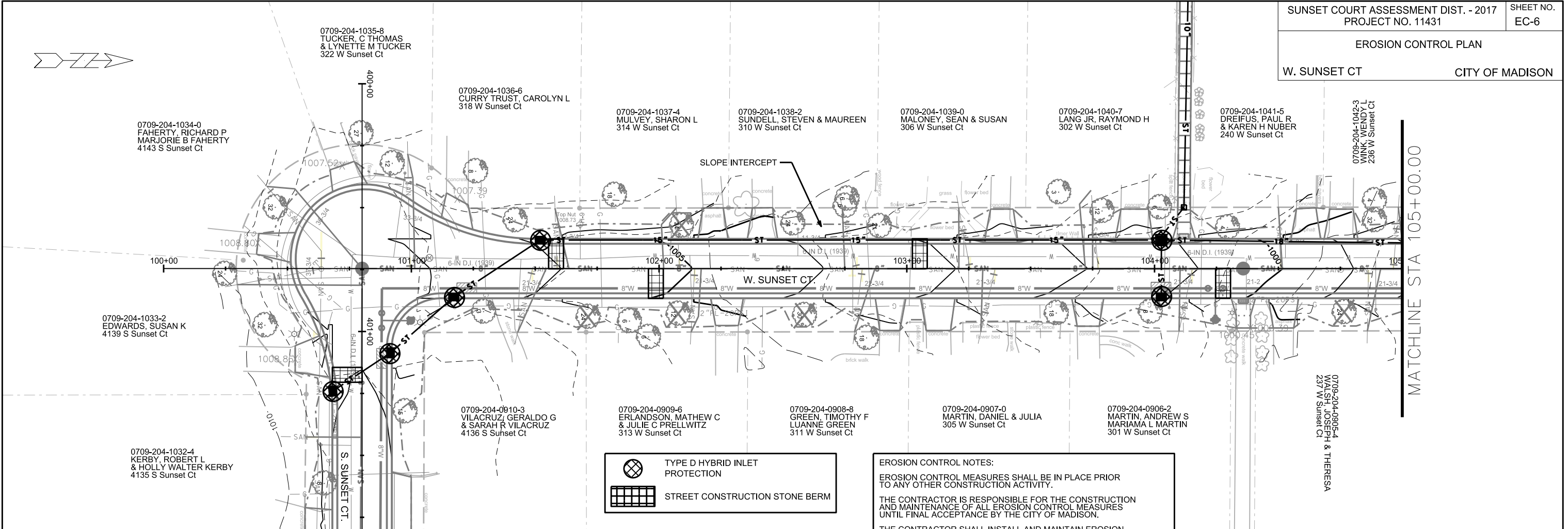
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EROSION CONTROL PLAN
W. SUNSET CT CITY OF MADISON



	TYPE D HYBRID INLET PROTECTION
	STREET CONSTRUCTION STONE BERM

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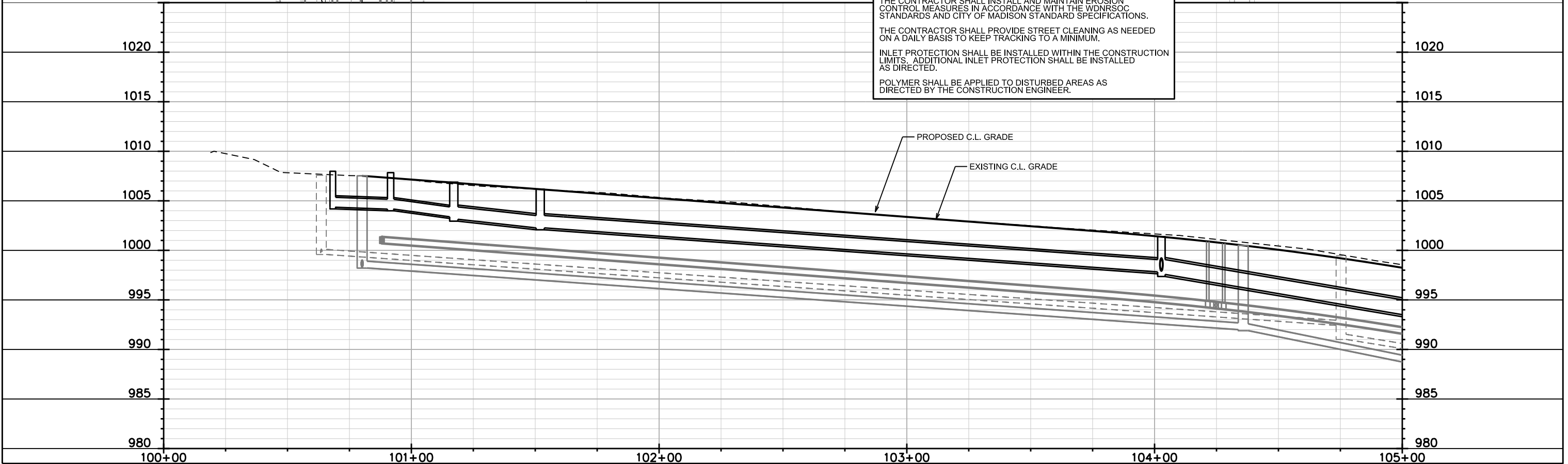
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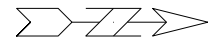
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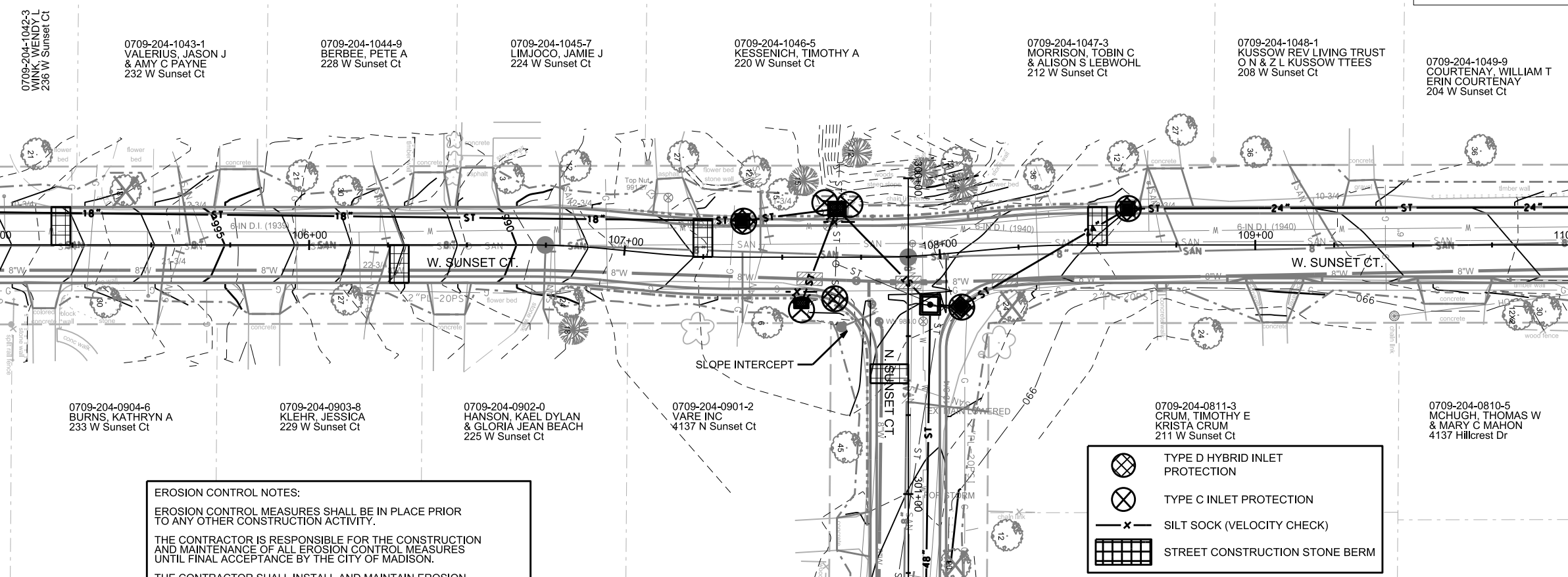
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EROSION CONTROL PLAN
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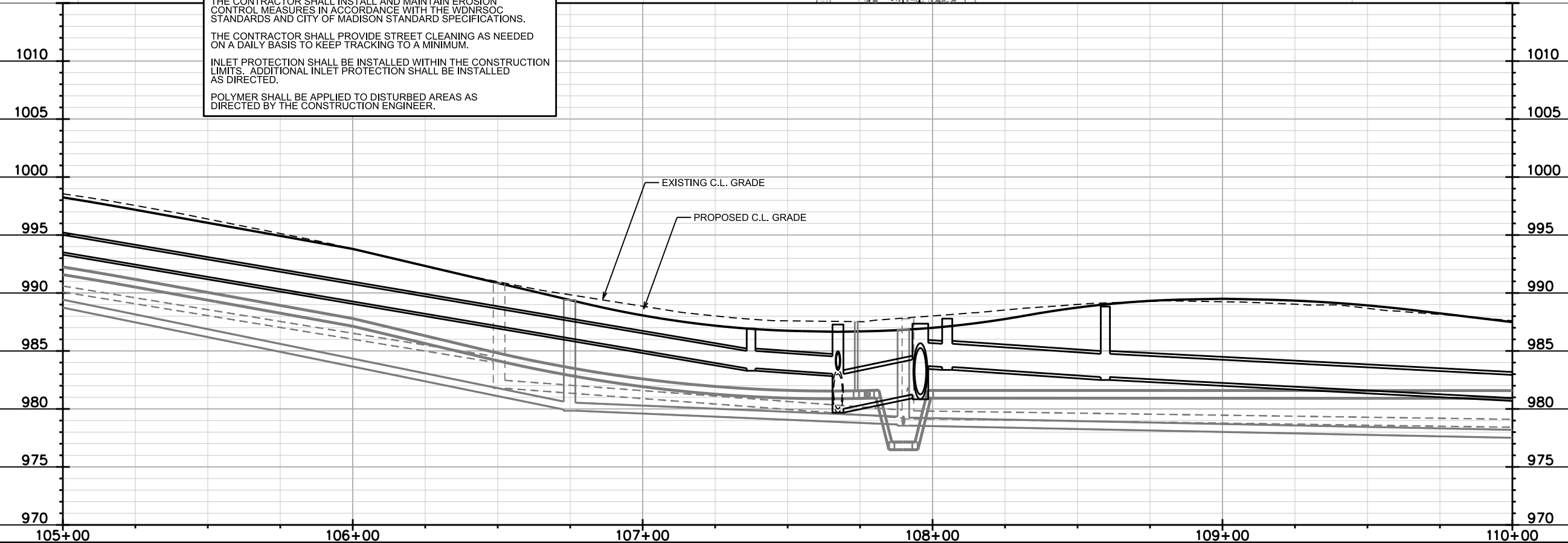
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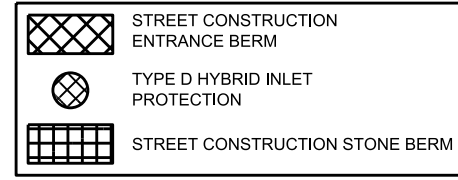
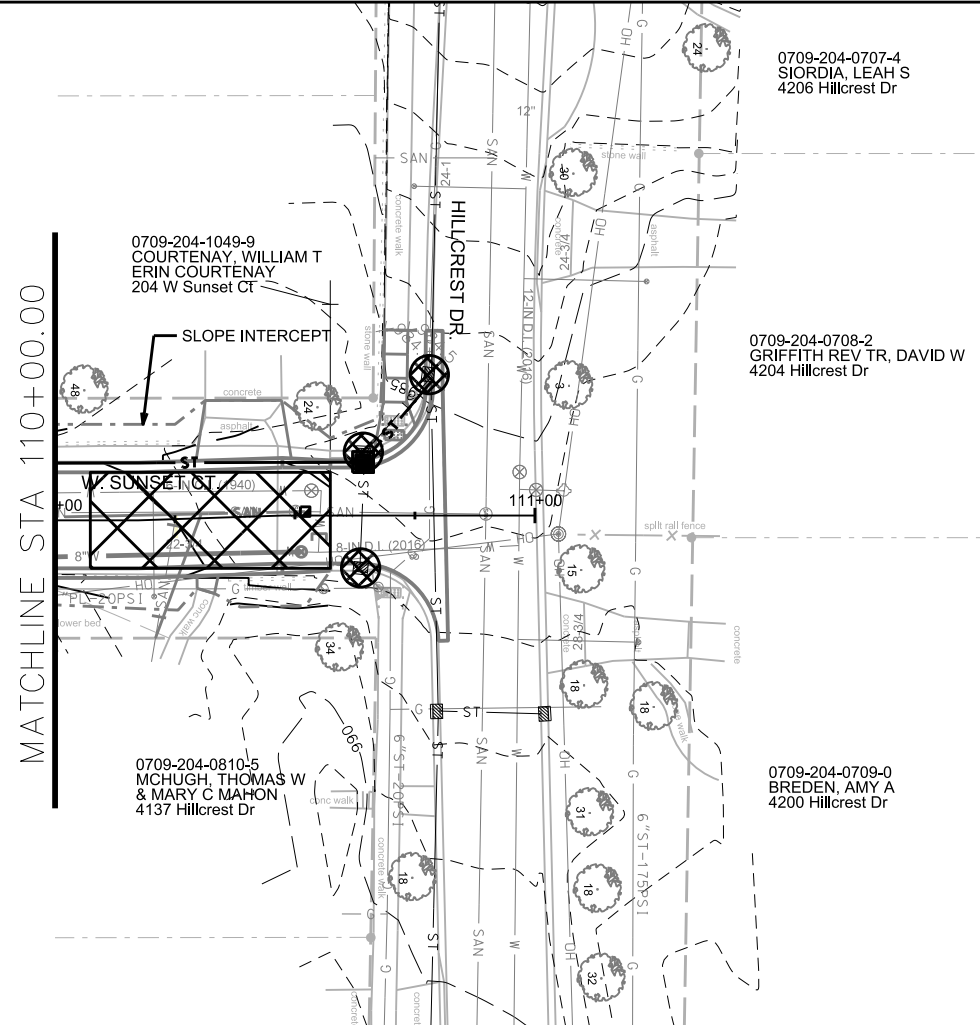
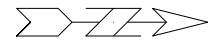


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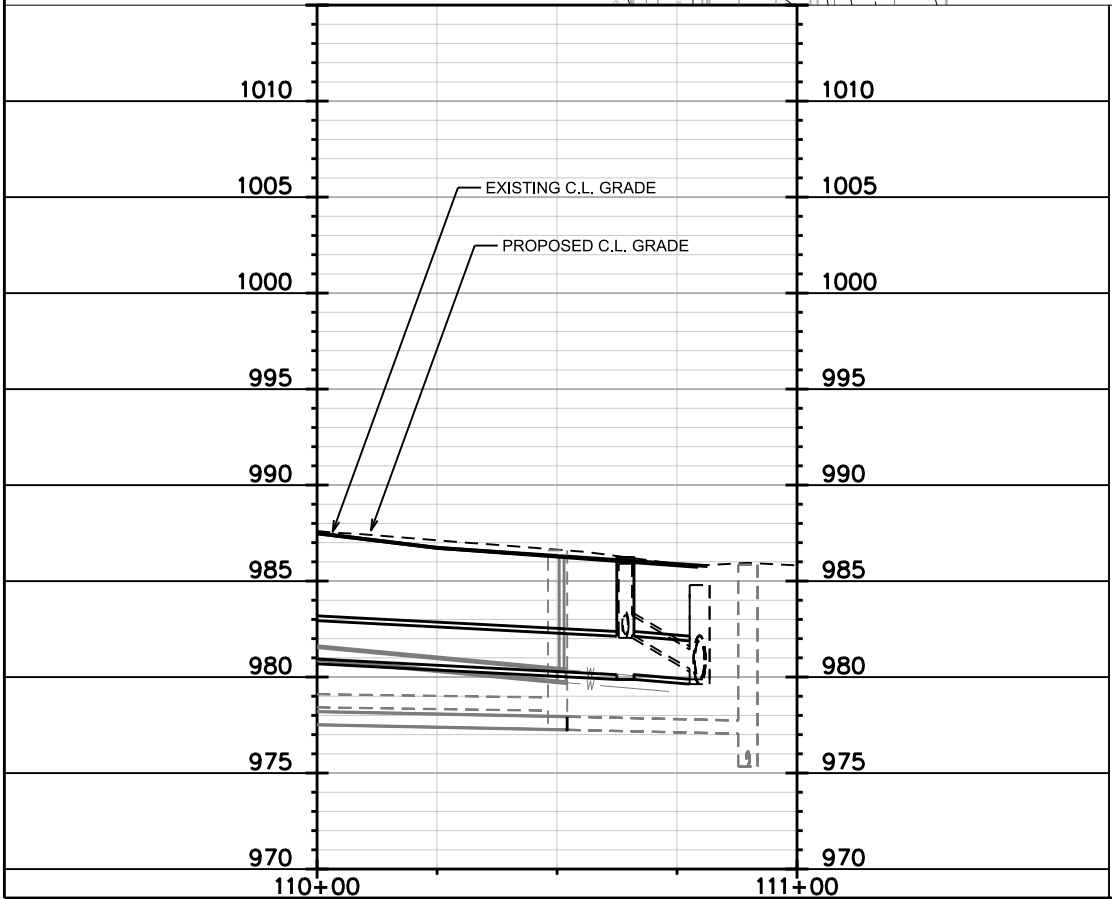
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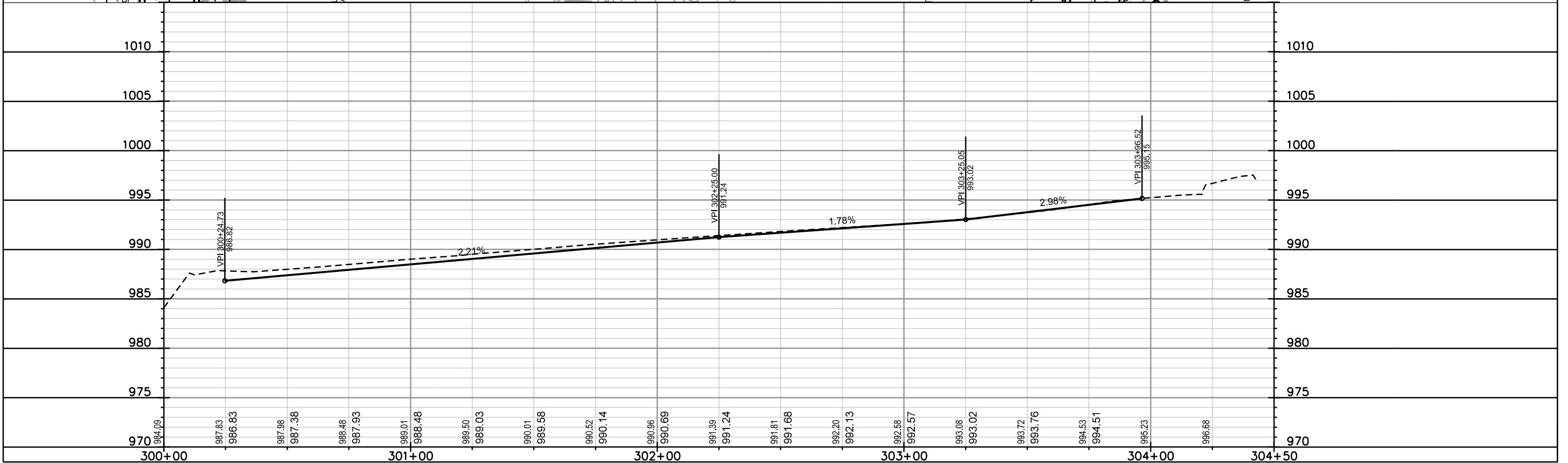
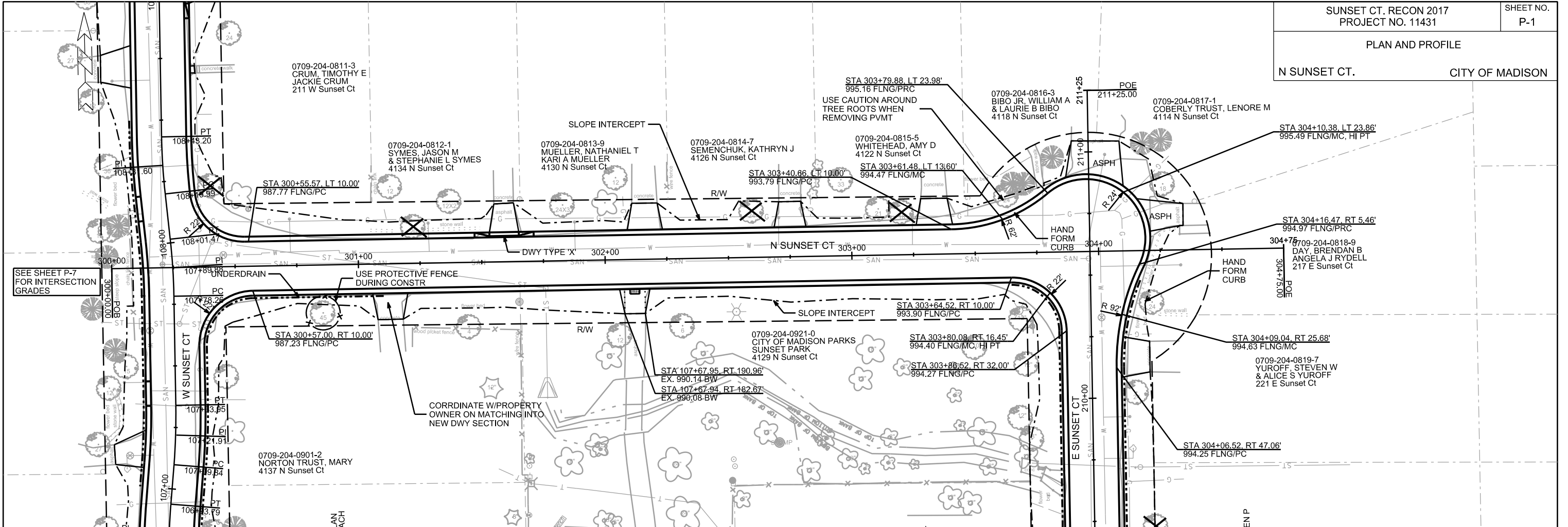
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PLAN AND PROFILE

N SUNSET CT. CITY OF MADISON



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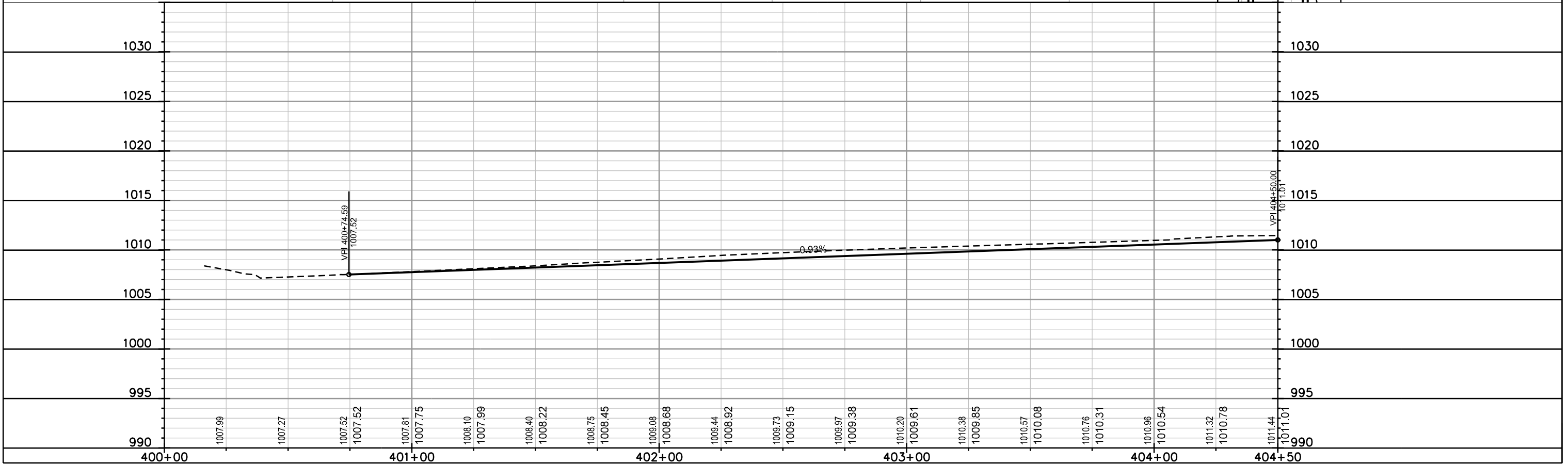
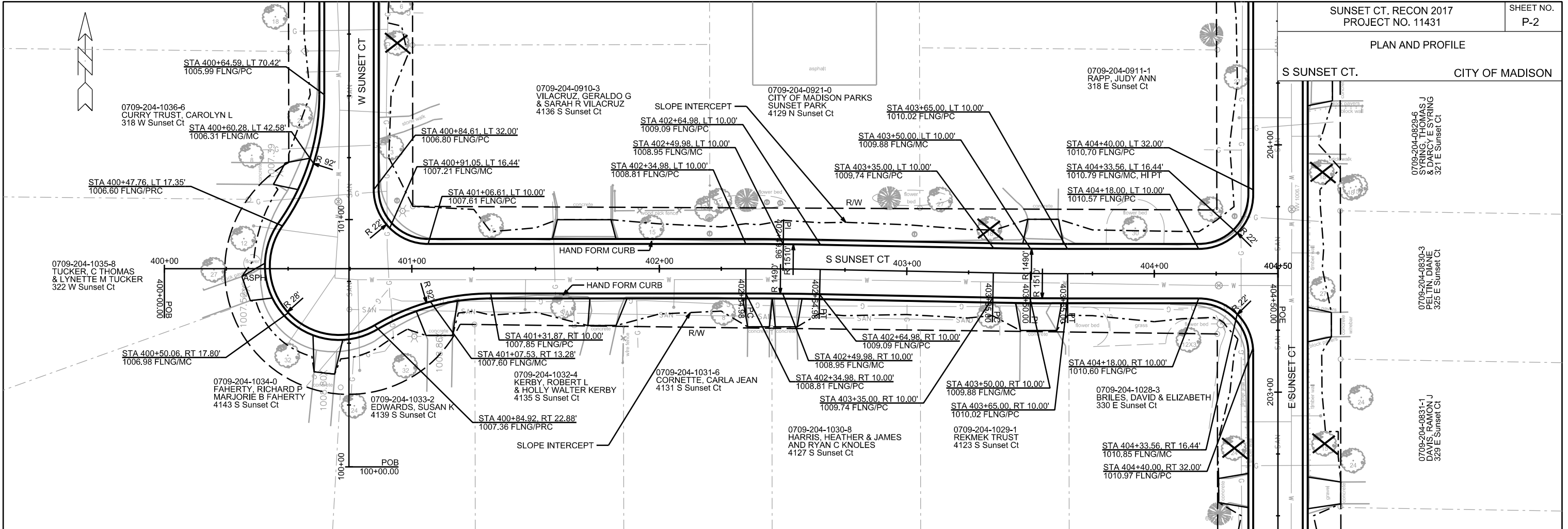
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PLAN AND PROFILE

S SUNSET CT. CITY OF MADISON



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PLAN AND PROFILE

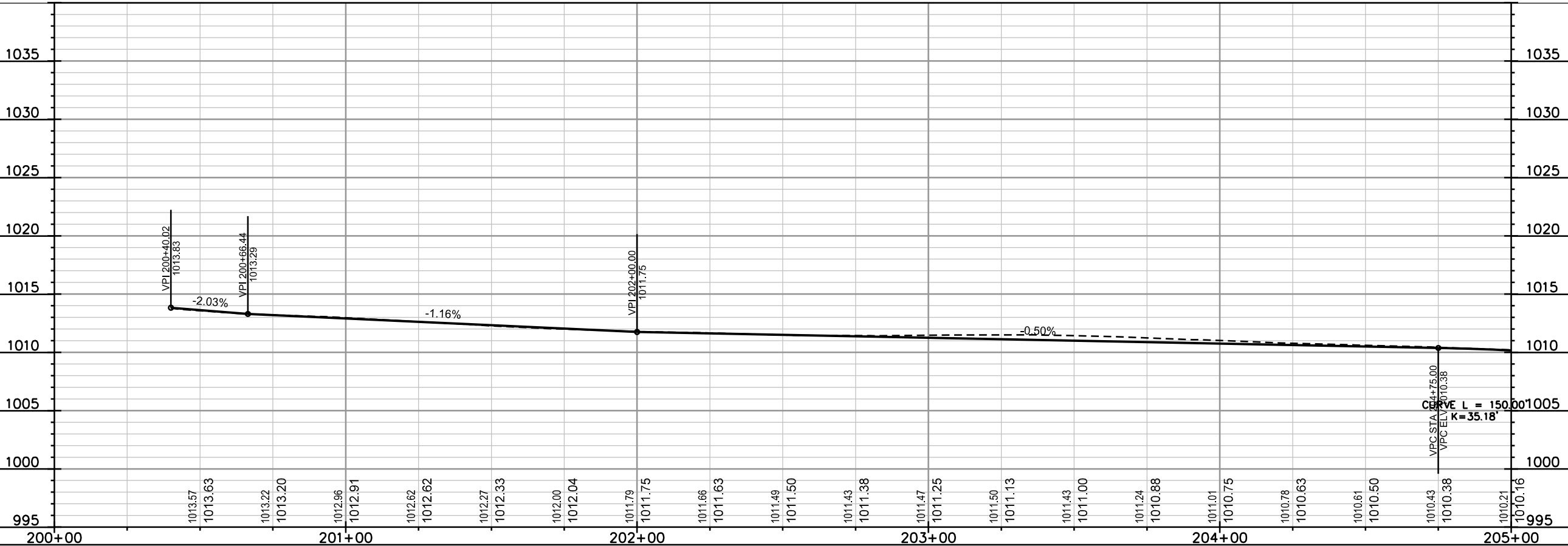
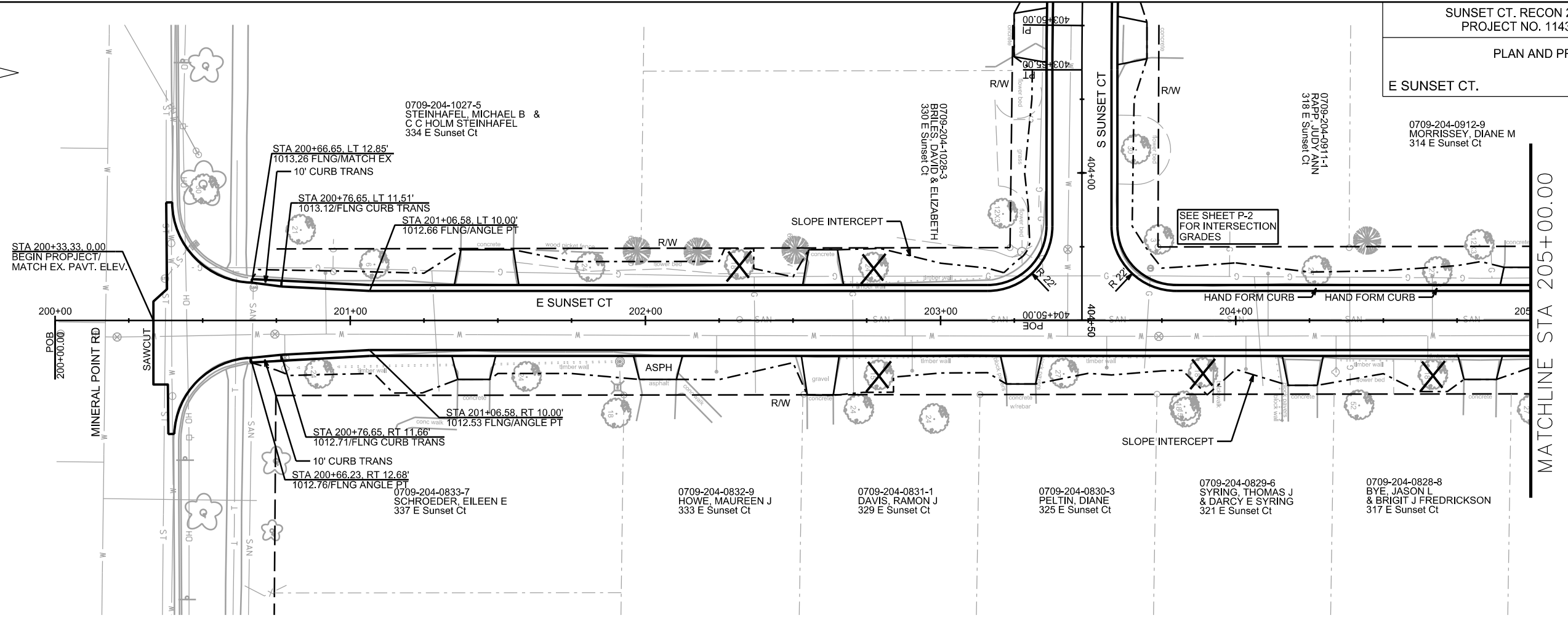
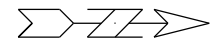
E SUNSET CT. CITY OF MADISON

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MORRISSEY, DIANE M
314 E Sunset Ct

0709-204-0911-1
RAPP, JUDY ANN
318 E Sunset Ct

0709-204-1028-3
BRILES, DAVID & ELIZABETH
330 E Sunset Ct

0709-204-1027-5
STEINHAFEL, MICHAEL B &
C C HOLM STEINHAFEL
334 E Sunset Ct



PLOT SCALE: _____

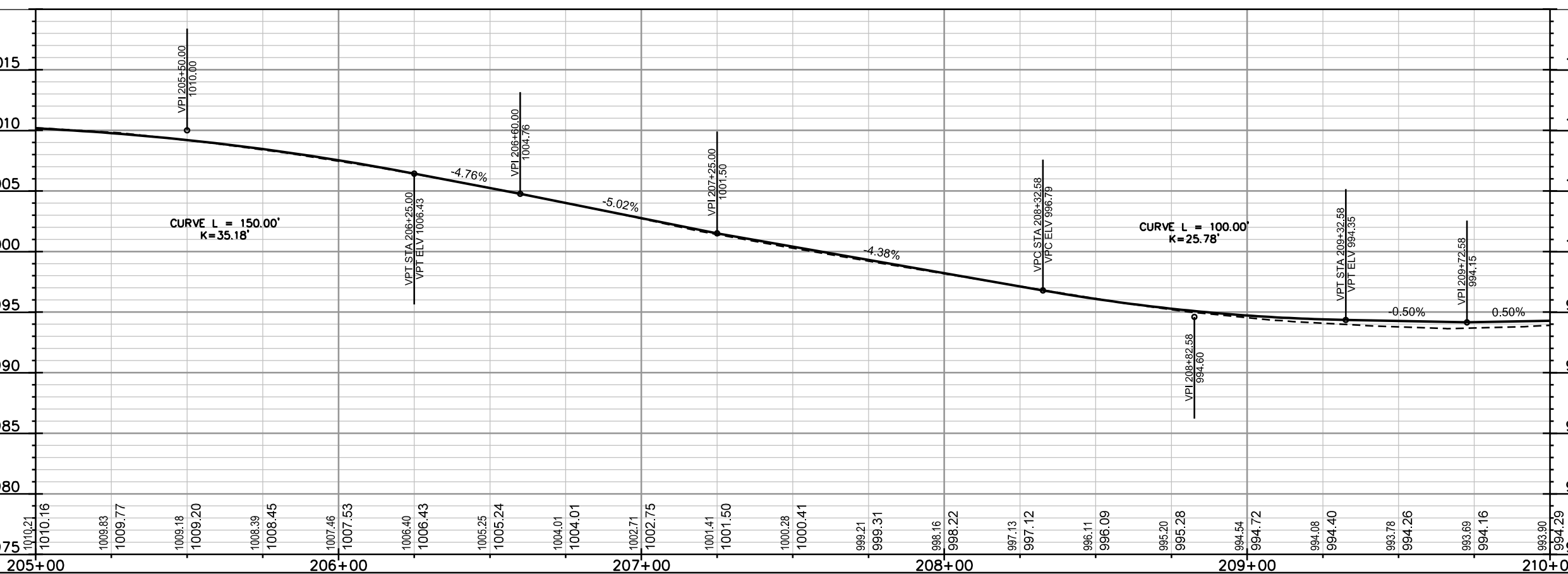
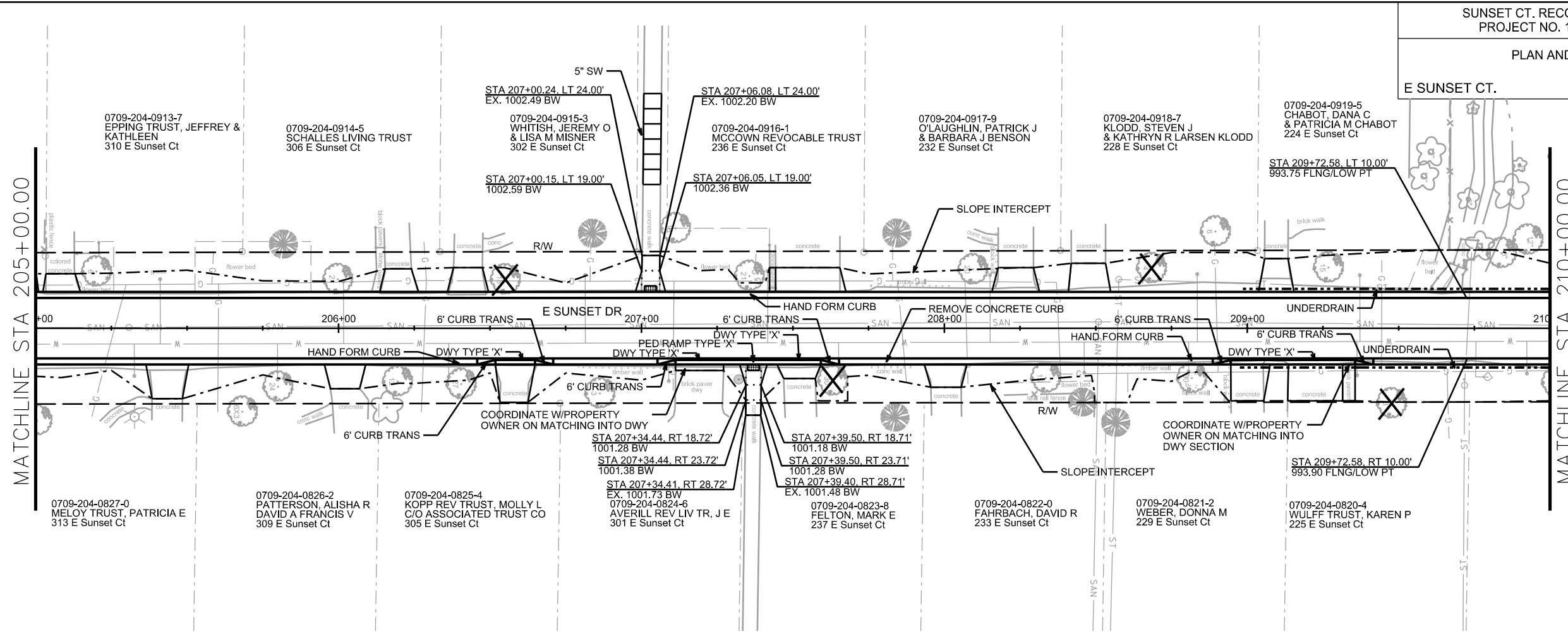
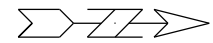
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

E SUNSET CT. CITY OF MADISON

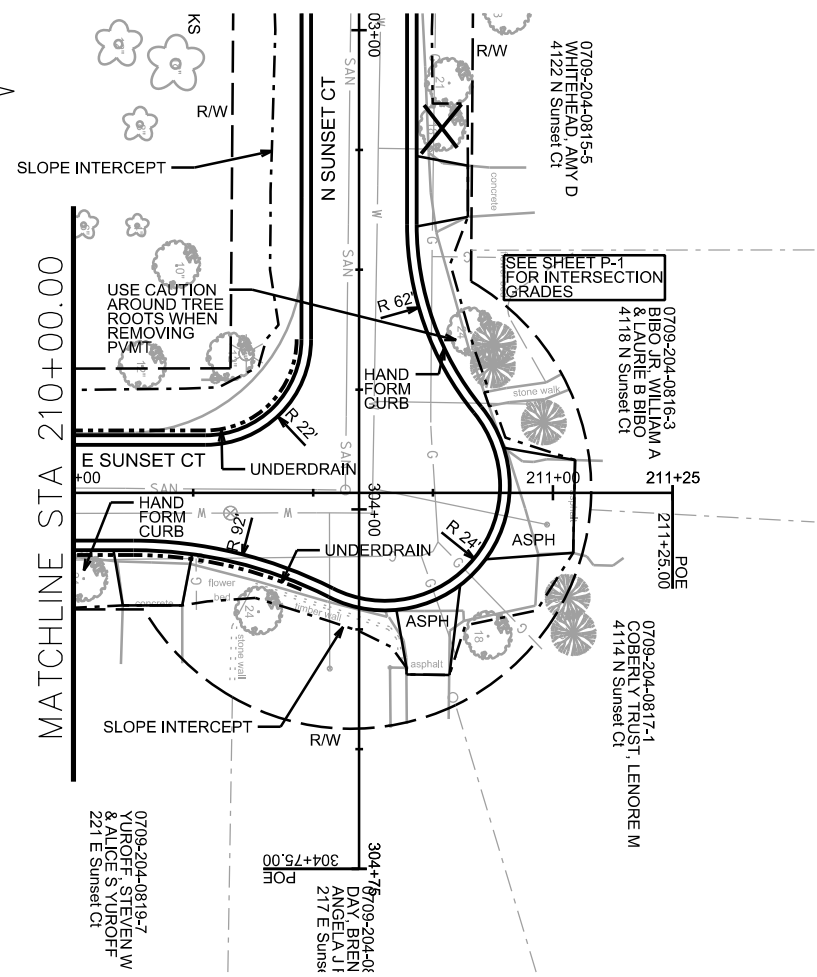
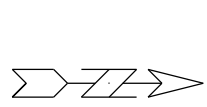


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

W SUNSET CT.

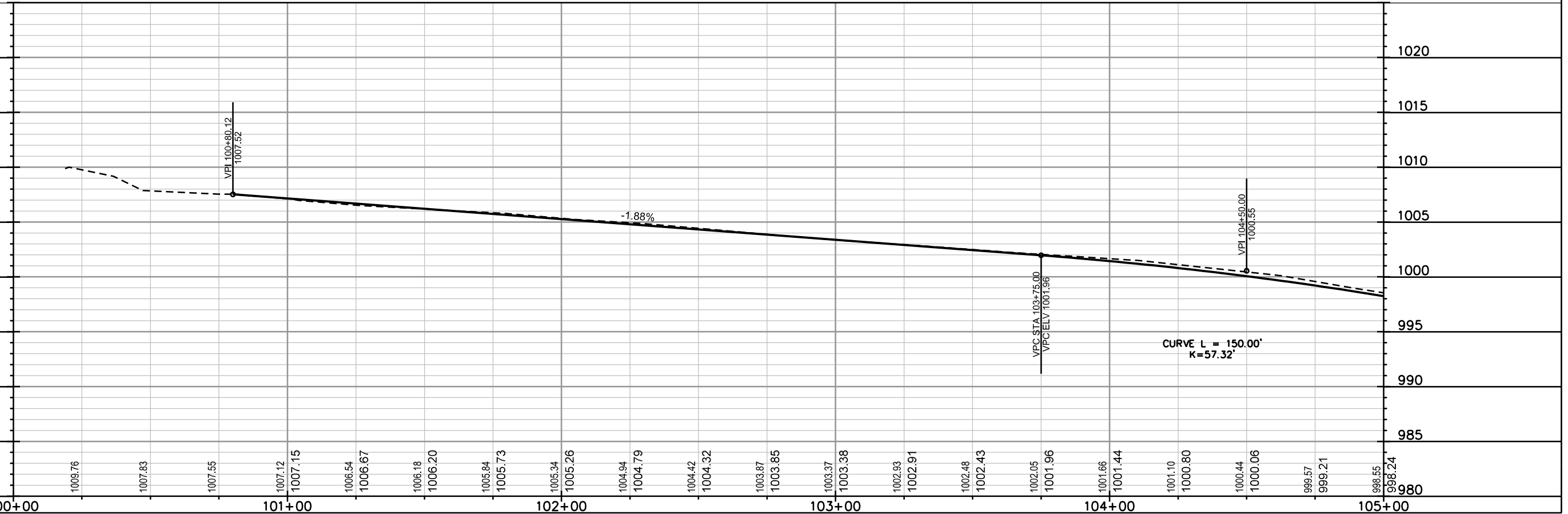
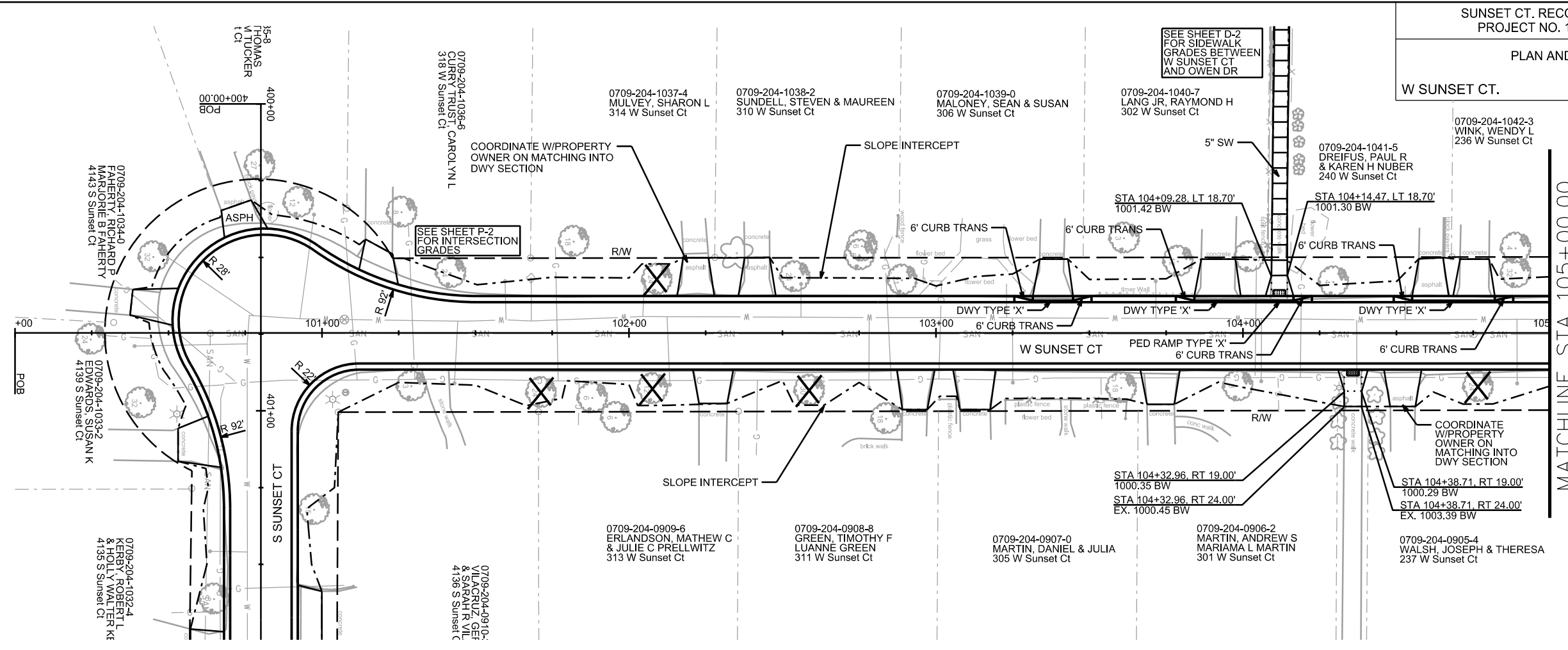
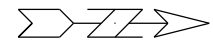
CITY OF MADISON

SEE SHEET D-2
FOR SIDEWALK
GRADES BETWEEN
W SUNSET CT
AND OWEN DR

SEE SHEET P-2
FOR INTERSECTION
GRADES

COORDINATE W/PROPERTY
OWNER ON MATCHING INTO
DWY SECTION

COORDINATE W/PROPERTY
OWNER ON MATCHING INTO
DWY SECTION



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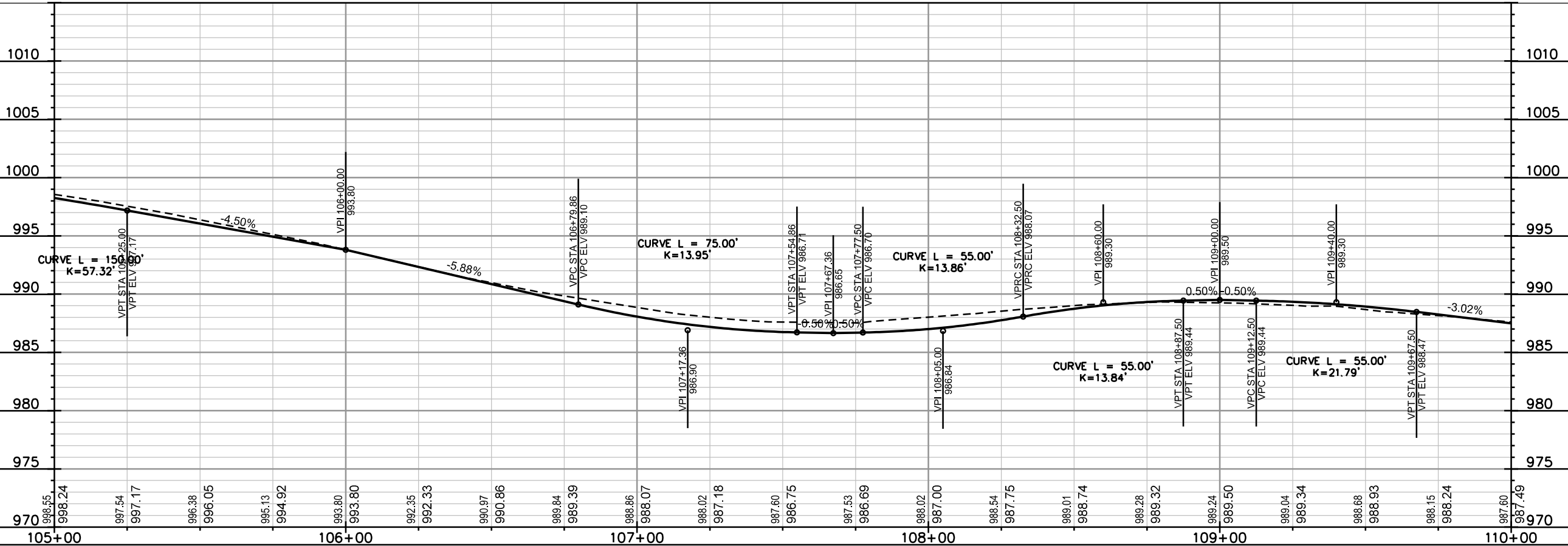
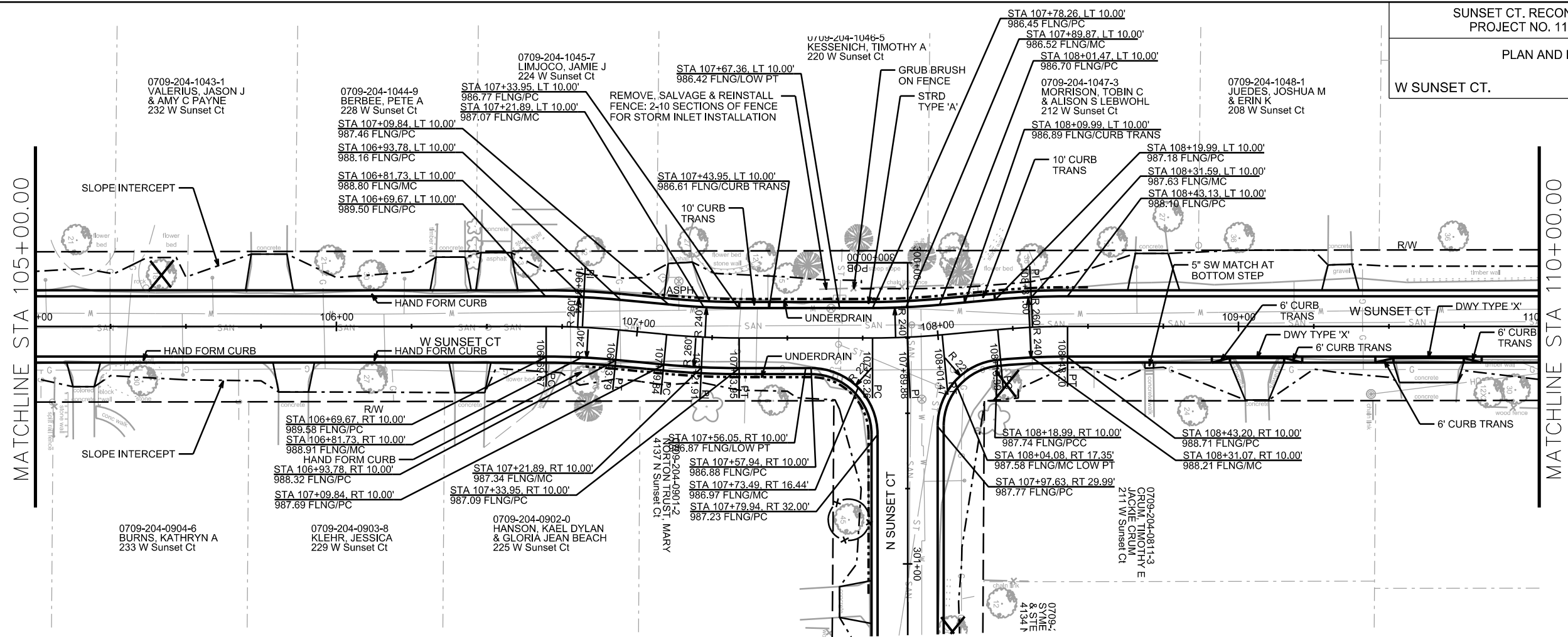
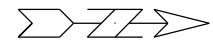
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

W SUNSET CT.

CITY OF MADISON



PLOT SCALE: _____

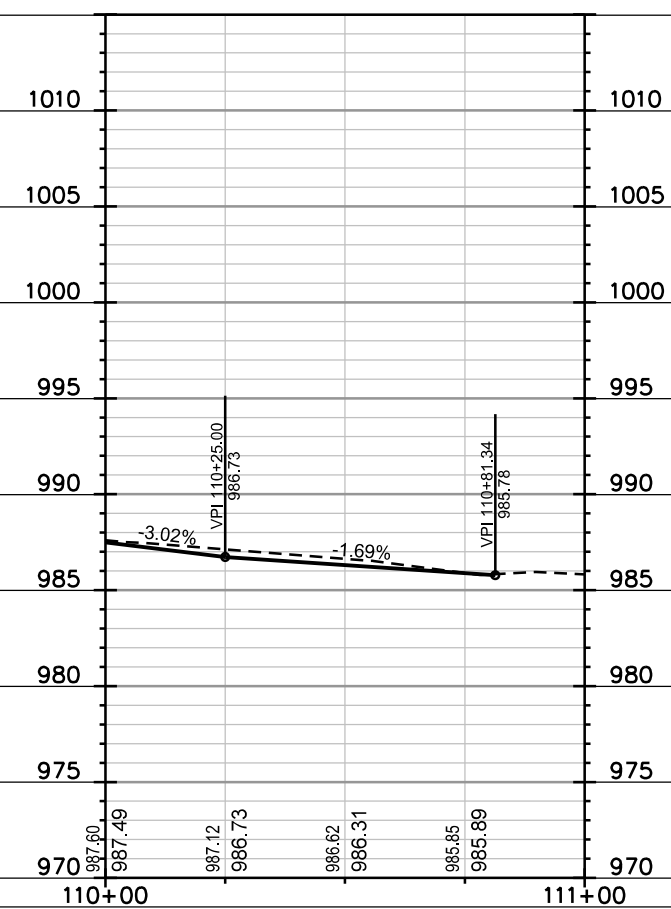
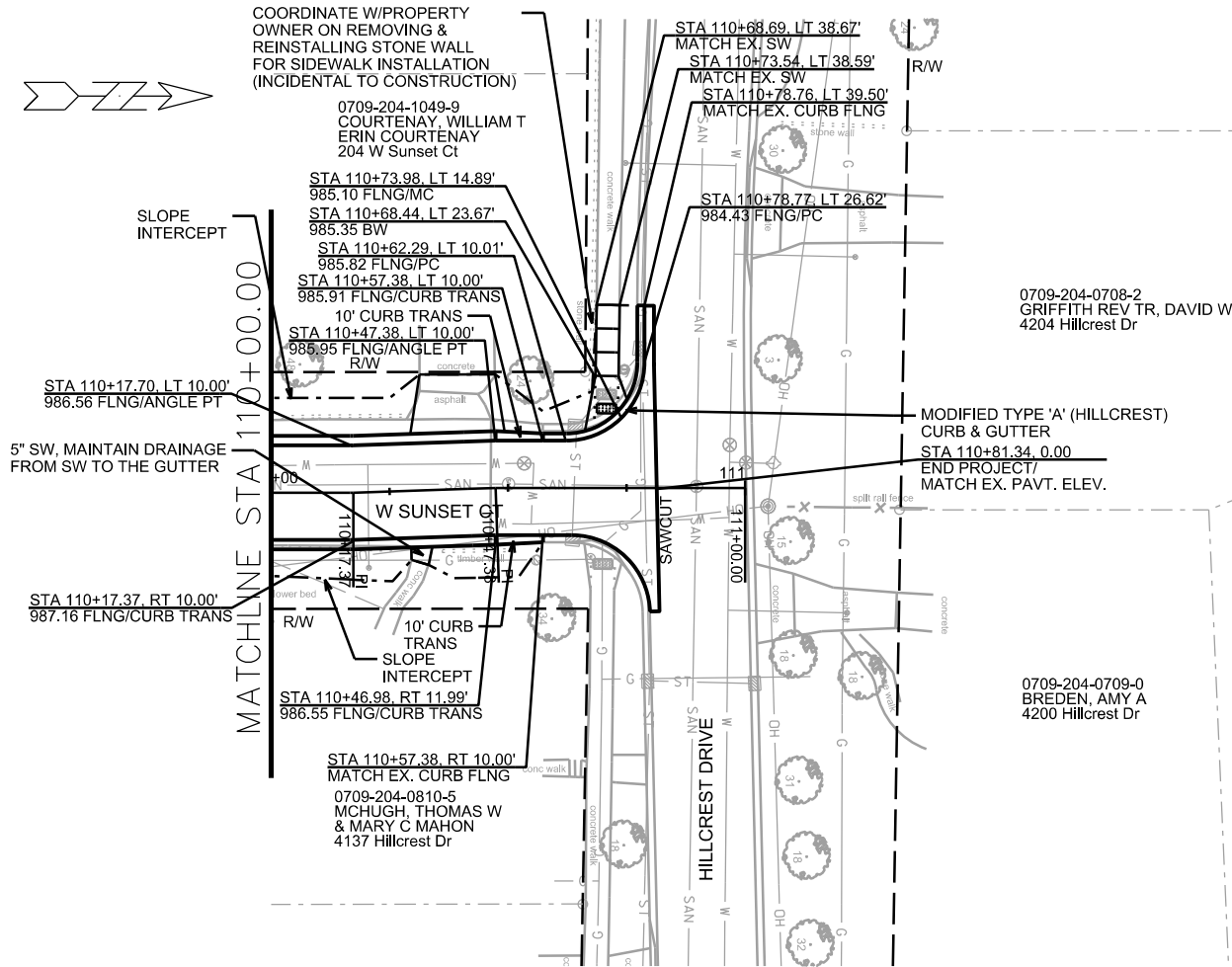
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PLAN AND PROFILE

W SUNSET CT.

CITY OF MADISON

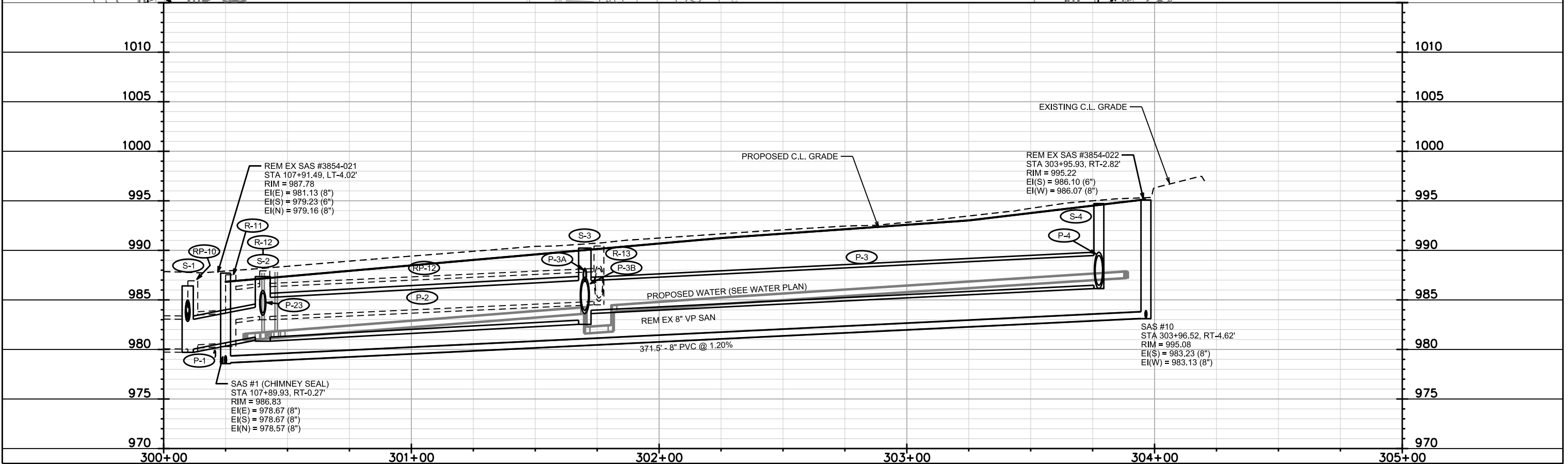
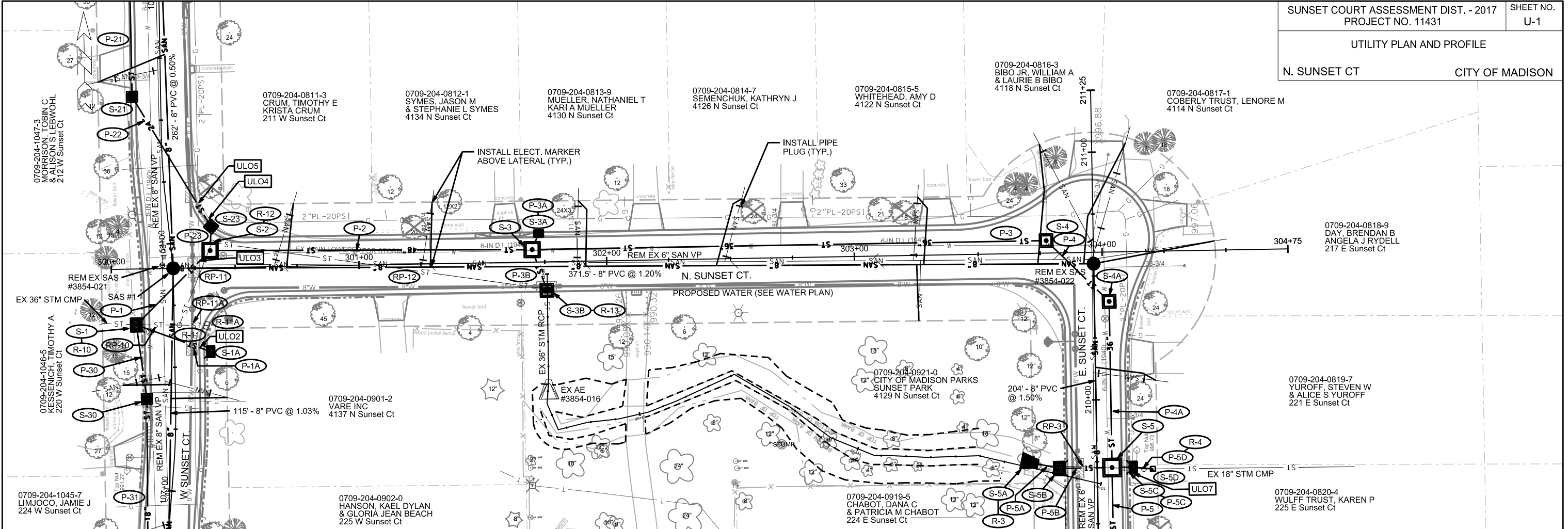


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PLOT NAME: _____

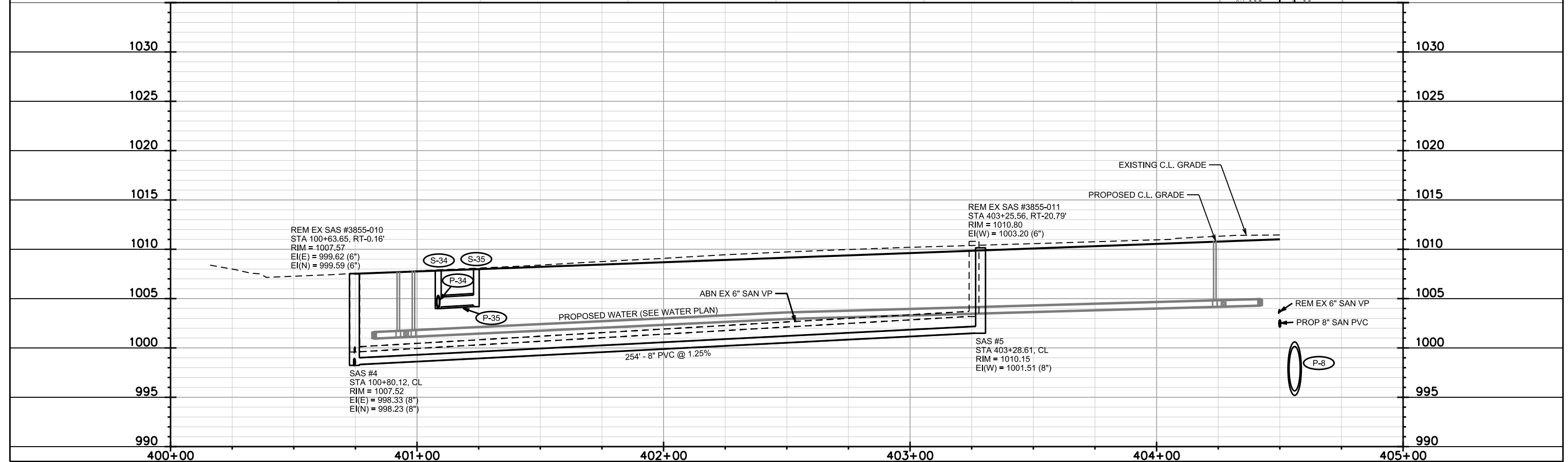
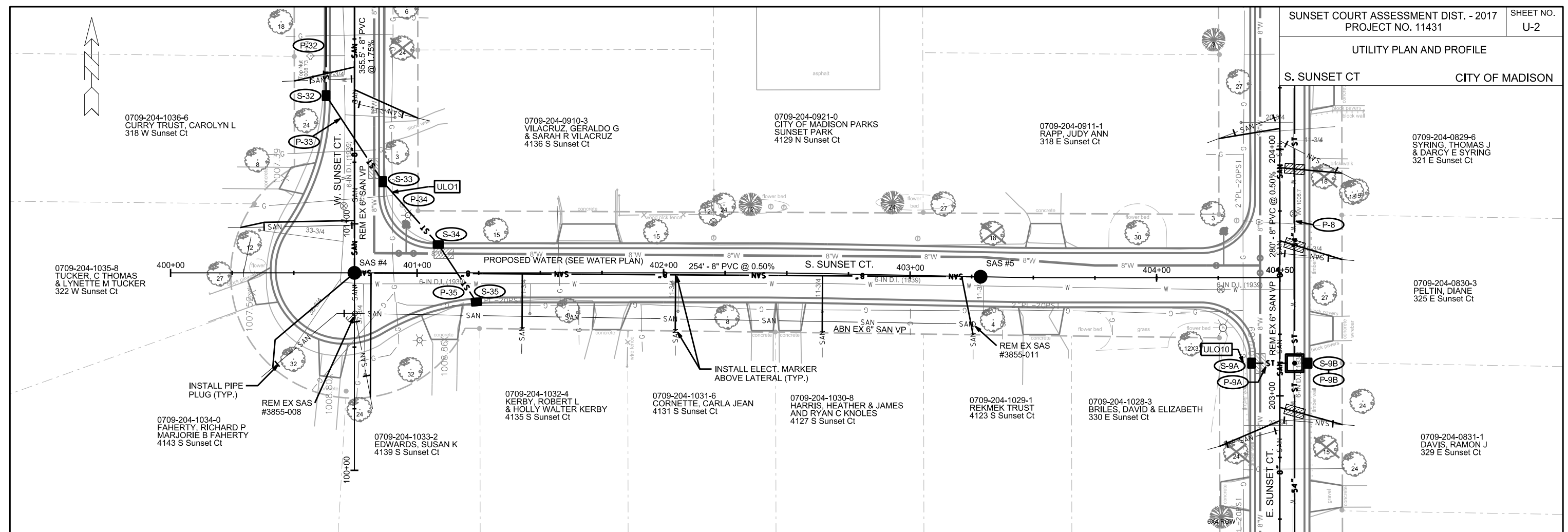
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



UTILITY PLAN AND PROFILE

S. SUNSET CT CITY OF MADISON

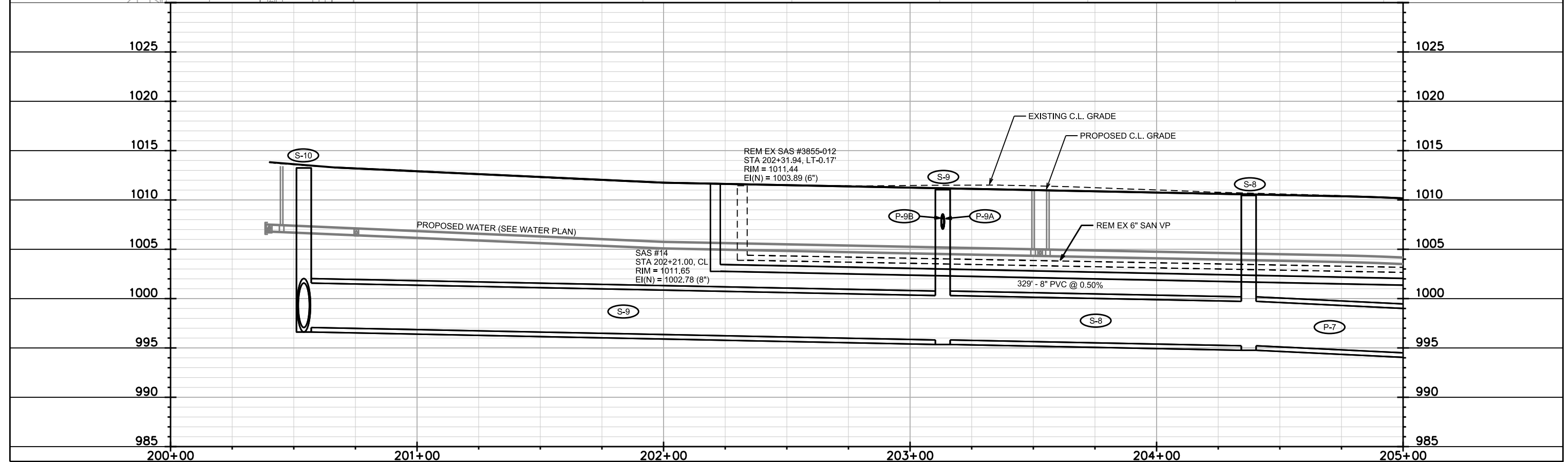
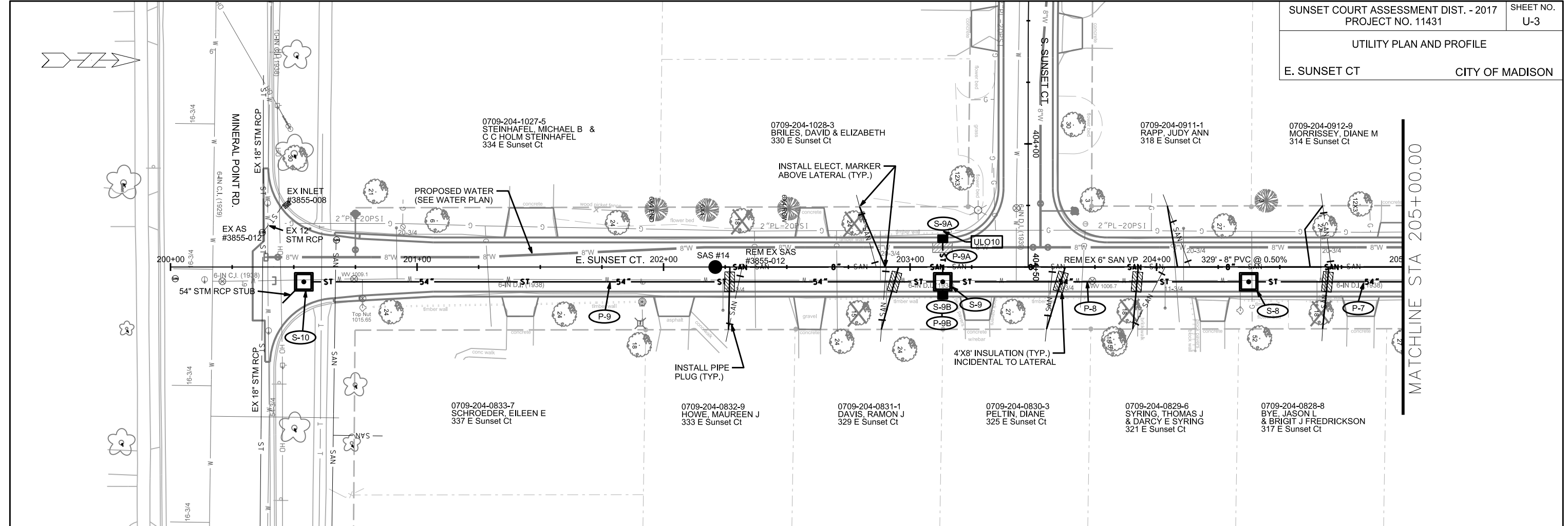


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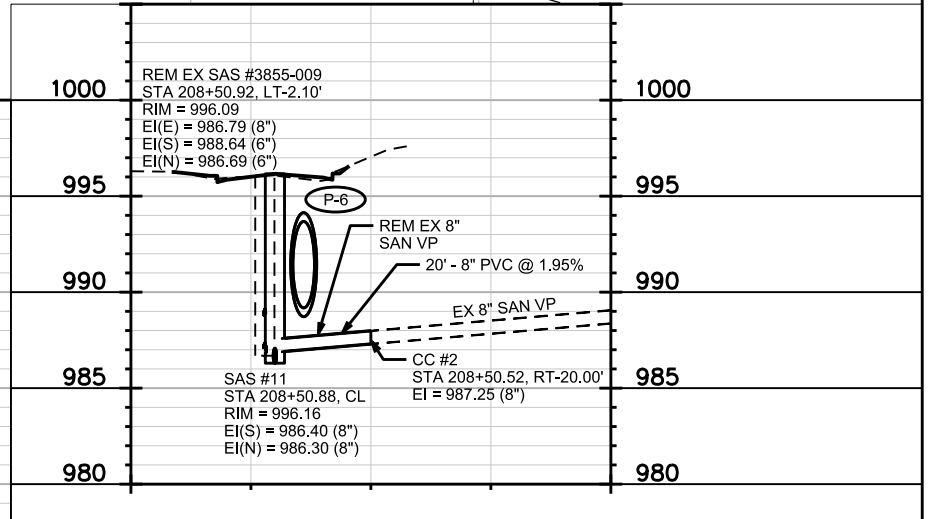
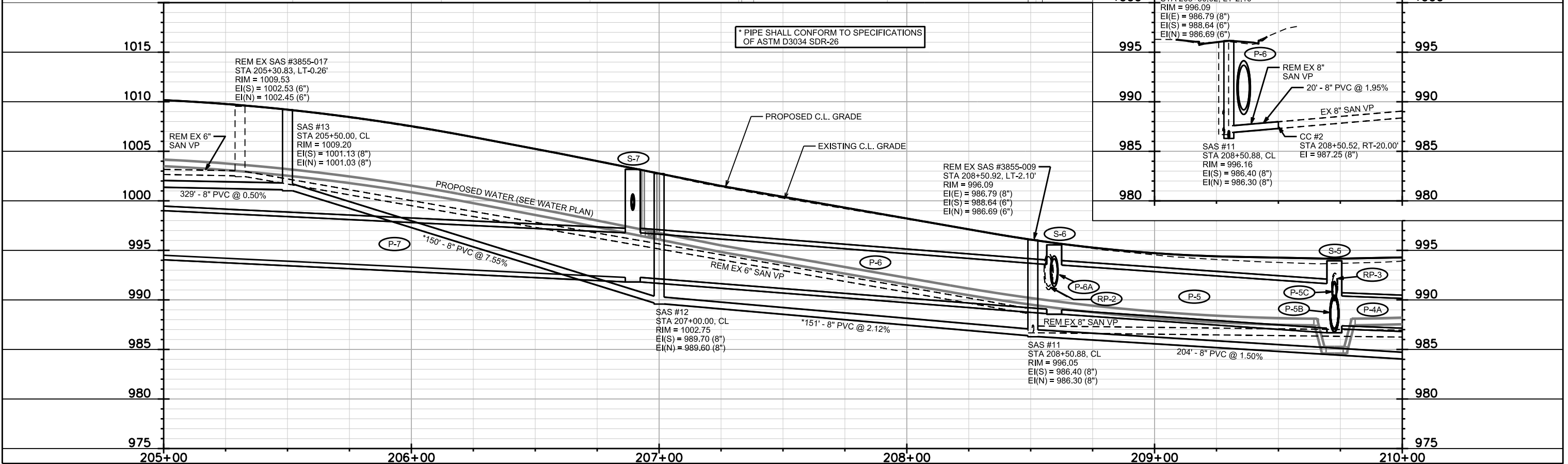
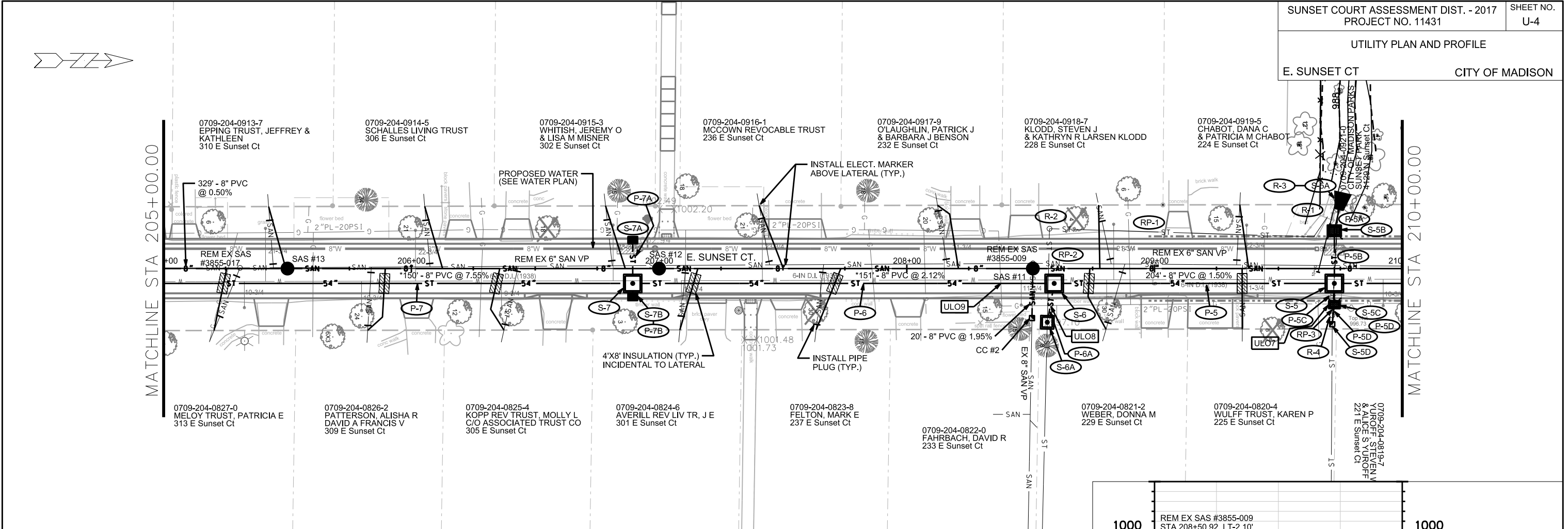
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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



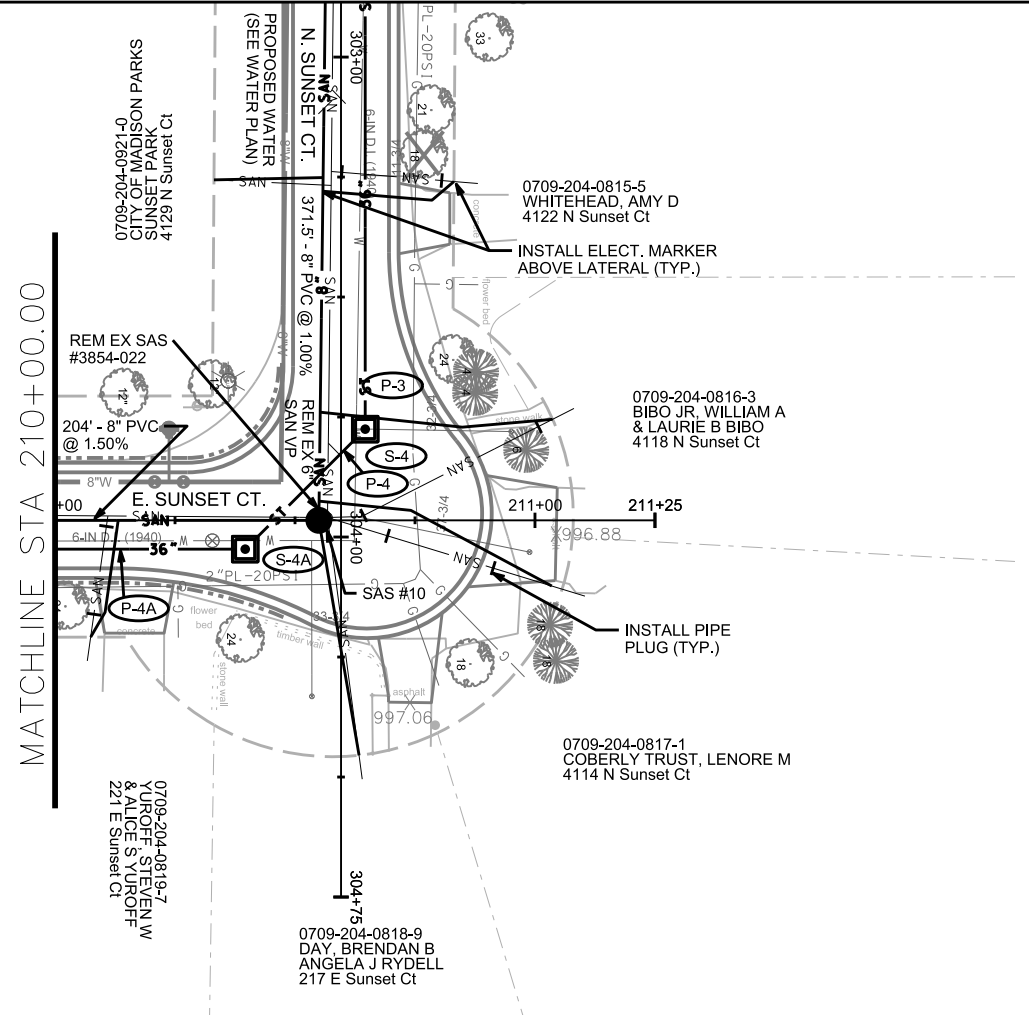
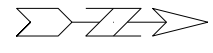
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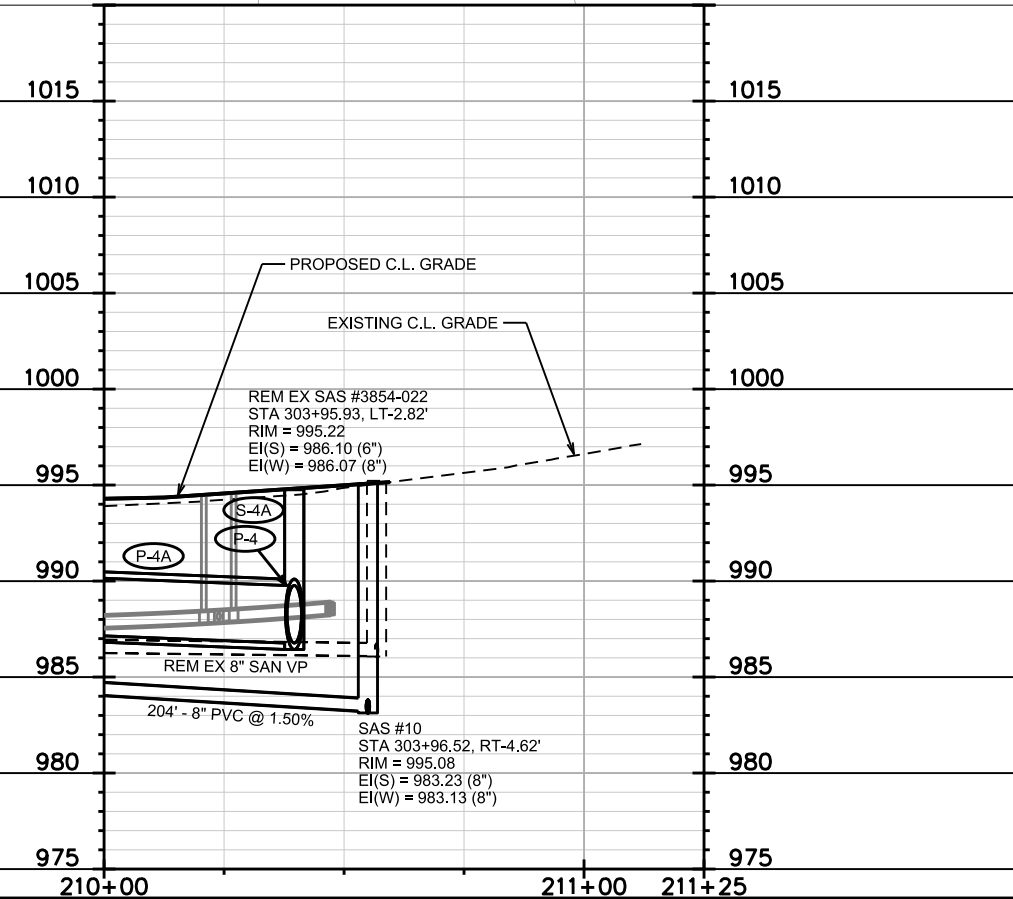
UTILITY PLAN AND PROFILE

E. SUNSET CT

CITY OF MADISON



MATCHLINE STA 210+00.00



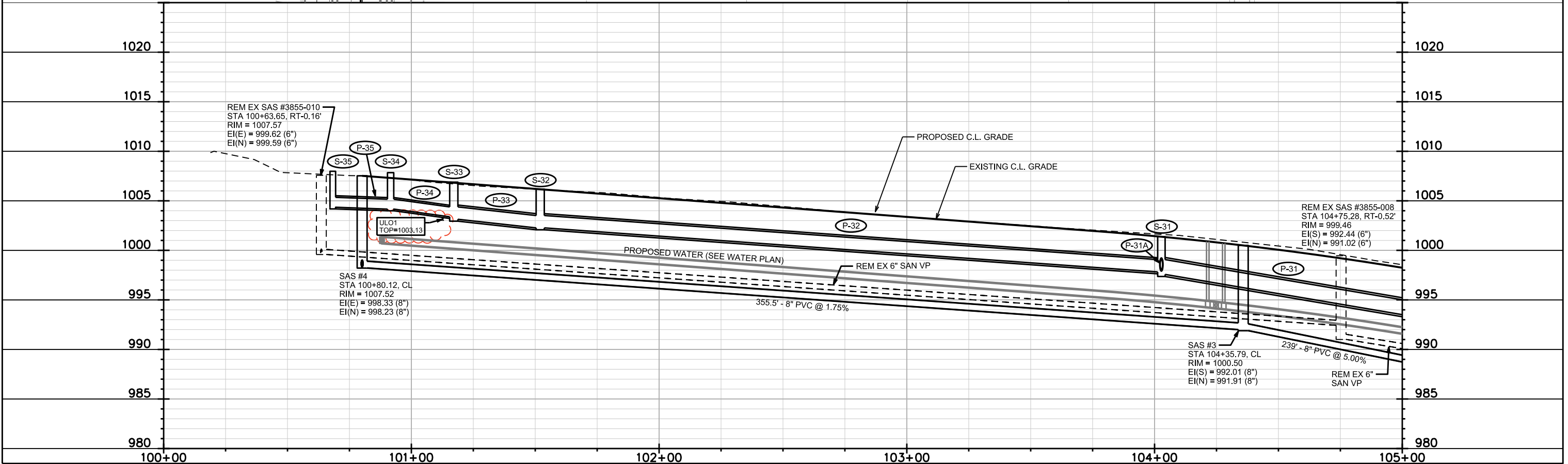
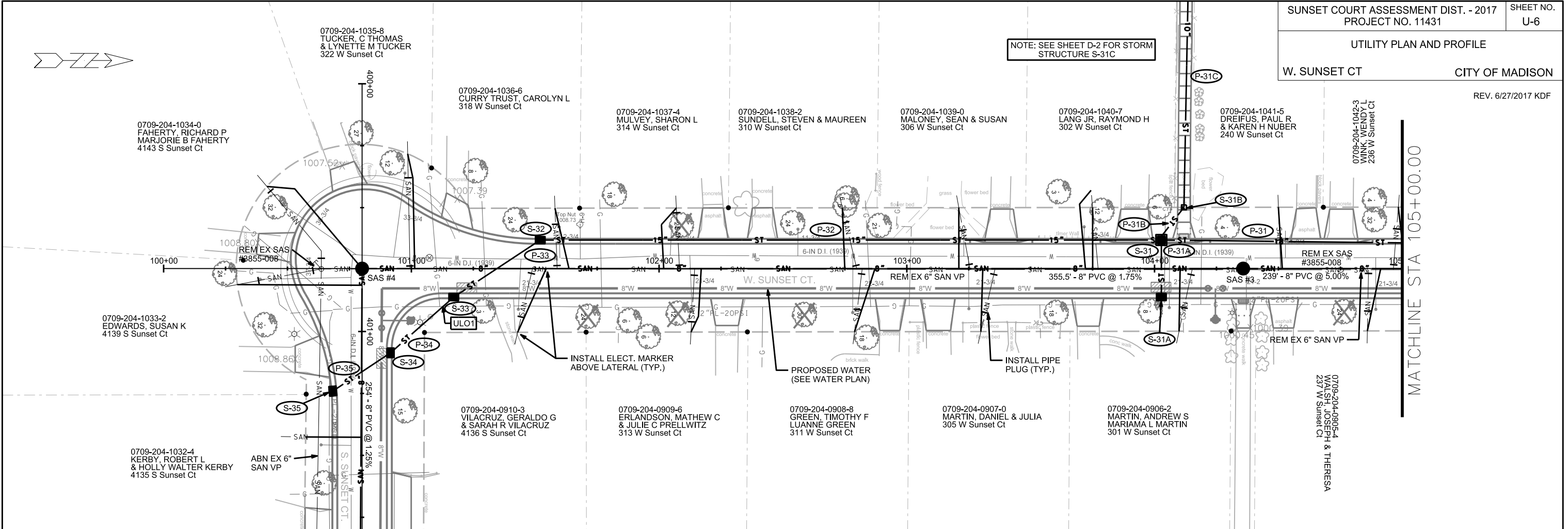
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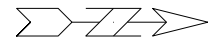
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTE: SEE SHEET D-2 FOR STORM STRUCTURE S-31C

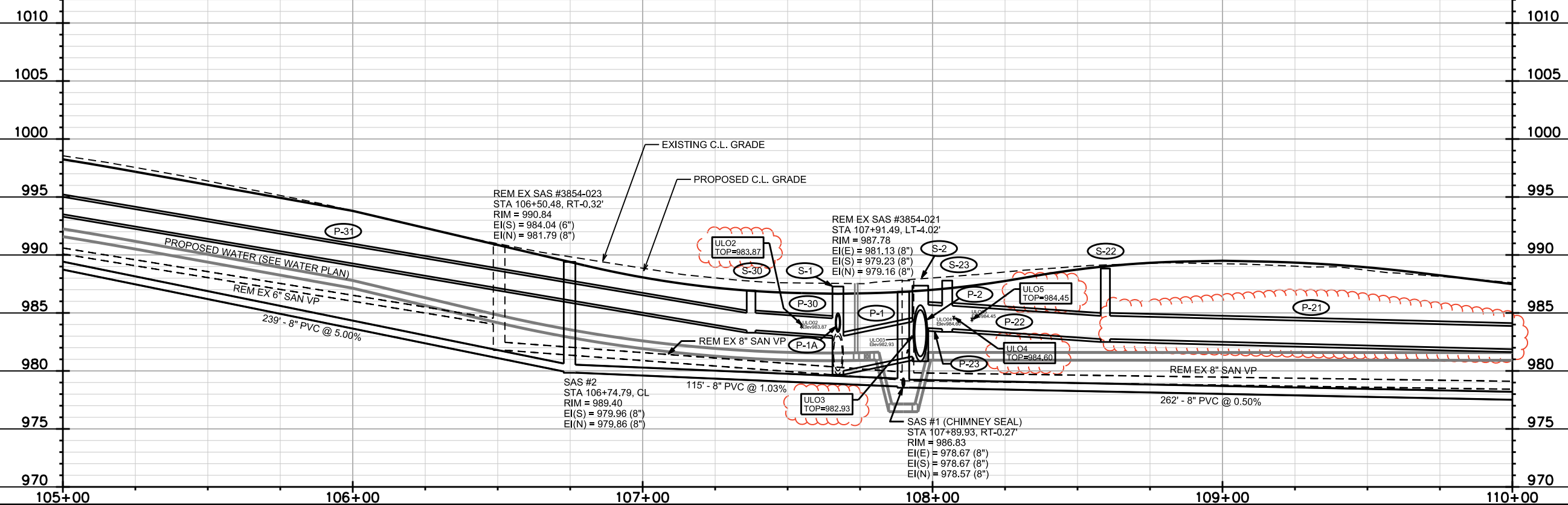
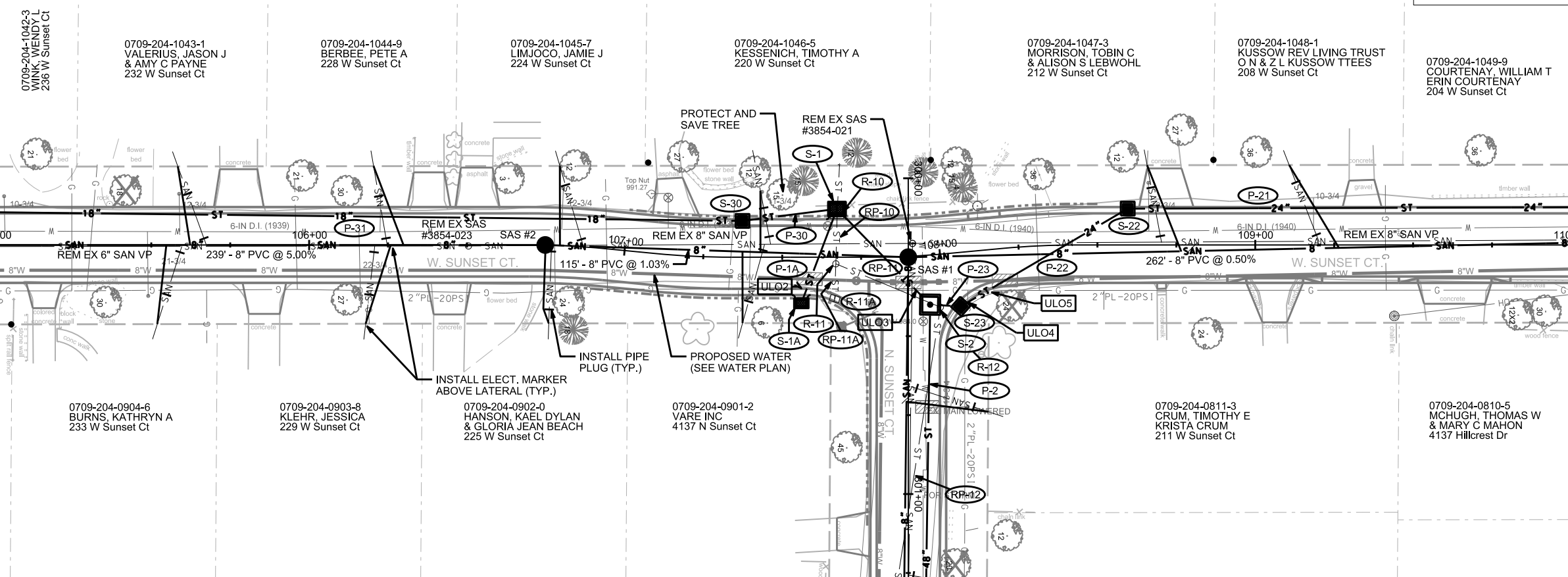


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 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 105+00.00

MATCHLINE STA 110+00.00



PLOT SCALE:

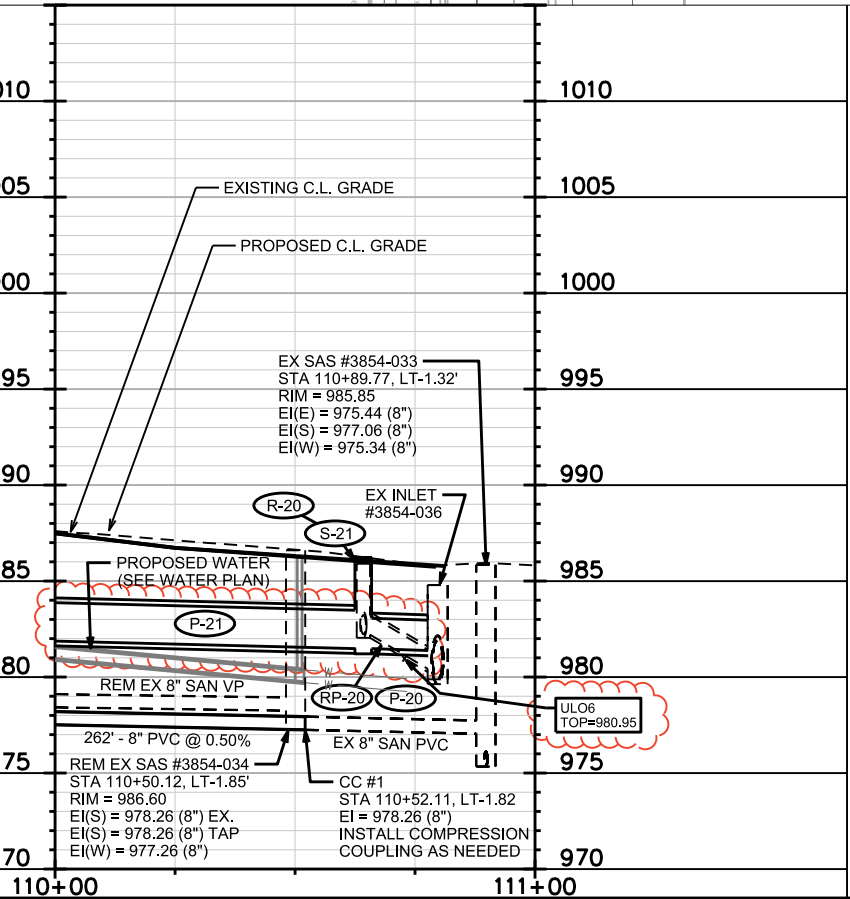
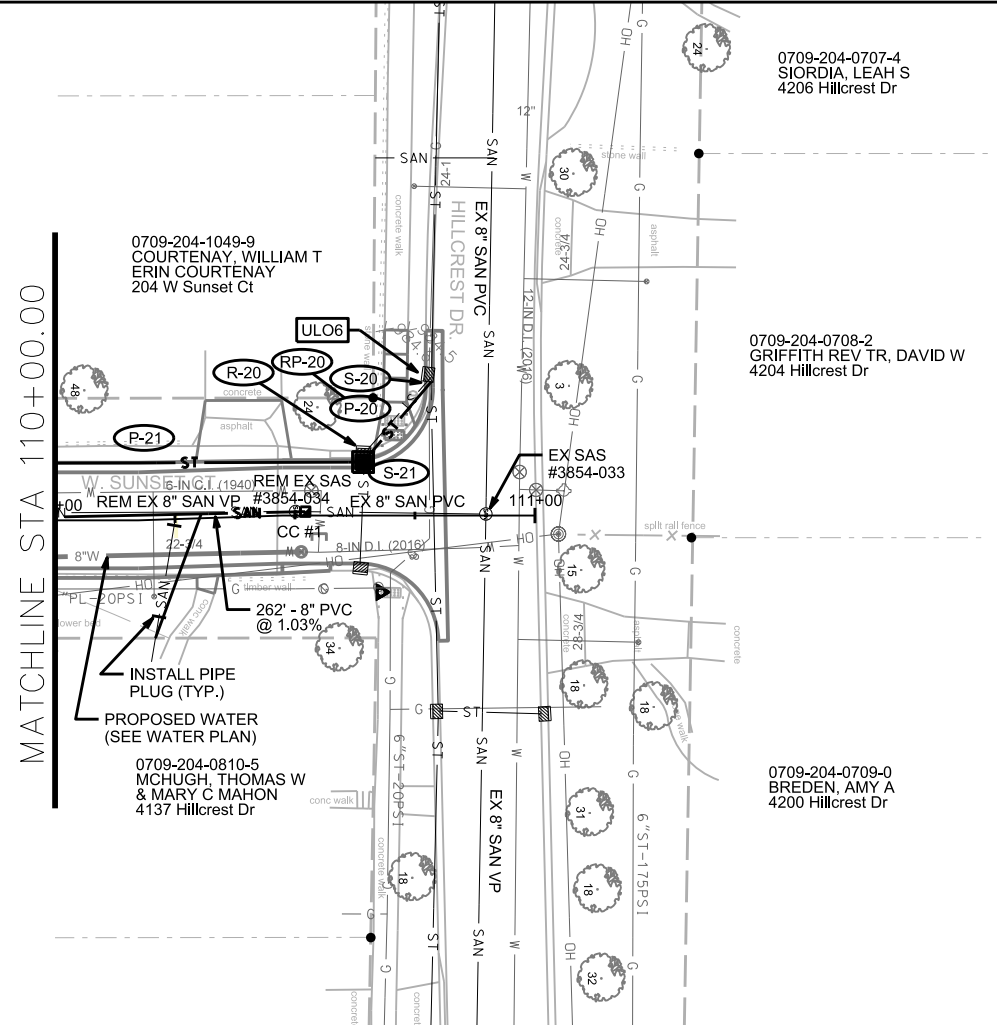
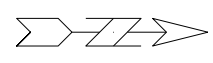
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITY PLAN AND PROFILE
W. SUNSET CT CITY OF MADISON

REV. 6/27/2017 KDF



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

SUNSET COURT ASSESSMENT DIST. - 2017		SHEET NO.
PROJECT NO. 11431		U-9
SANITARY SEWER SCHEDULE		
SUNSET COURT	CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
WEST SUNSET COURT						
CC #1	110+52.11	LT-1.82	-	977.26	-	(1)
SAS #1	107+89.93	RT-0.27	986.83	979.30	7.53	(5)
SAS #2	106+74.79	CL	989.40	979.86	9.54	-
SAS #3	104+35.79	CL	1000.50	991.91	8.59	-
SAS #4	100+80.12	CL	1007.52	998.23	9.29	-
SOUTH SUNSET COURT						
SAS #5	403+28.60	CL	1009.88	1001.51	8.37	-
NORTH SUNSET COURT						
SAS #10	303+96.52	RT-4.62	995.08	983.13	11.95	-
EAST SUNSET COURT						
CC #2	208+50.52	RT-20.00	-	987.25	-	(1)
SAS #11	208+50.88	CL	996.05	986.30	9.75	-
SAS #12	207+00.00	CL	1002.75	989.60	13.15	-
SAS #13	205+50.00	CL	1009.20	1001.03	8.17	-
SAS #14	202+21.00	CL	1011.65	1002.78	8.87	-

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
WEST SUNSET COURT						
EX SAS #3854-034	110+50.00	LT-1.85	986.60	977.26	9.34	-
EX SAS #3854-021	107+91.49	LT-4.02	987.78	976.16	11.62	-
EX SAS #3854-023	106+50.48	RT-0.32	990.84	981.79	9.05	-
EX SAS #3855-008	104+75.28	RT-0.52	999.46	991.02	8.44	-
EX SAS #3855-010	100+63.65	RT-0.16	1007.57	999.59	7.98	-
SOUTH SUNSET COURT						
EX SAS #3855-011	403+25.56	RT-20.79	1010.80	1003.20	7.60	-
NORTH SUNSET COURT						
EX SAS #3854-022	303+95.93	LT-2.82	995.22	986.07	9.15	-
EAST SUNSET COURT						
EX SAS #3855-009	208+50.92	LT-2.10	996.09	986.69	9.40	-
EX SAS #3855-017	205+30.83	LT-0.26	1009.53	1002.45	7.08	-
EX SAS #3855-012	202+31.94	LT-0.17	1011.44	1003.89	7.55	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
WEST SUNSET COURT								
CC #1	SAS #1	977.26	978.57	262	0.50%	8"	SDR-35	-
SAS #1	SAS #2	978.67	979.86	115	1.03%	8"	SDR-35	-
SAS #2	SAS #3	979.96	991.91	239	5.00%	8"	SDR-35	-
SAS #3	SAS #4	992.01	998.23	355.5	1.75%	8"	SDR-35	-
SOUTH SUNSET COURT								
SAS #4	SAS #5	998.33	1001.51	254	1.25%	8"	SDR-35	-
NORTH SUNSET COURT								
SAS #1	SAS #10	978.67	983.13	371.5	1.20%	8"	SDR-35	-
EAST SUNSET COURT								
SAS #10	SAS #11	983.23	986.30	204	1.50%	8"	SDR-35	-
SAS #11	SAS #12	986.40	989.60	151	2.12%	8"	SDR-26	-
SAS #11	CC #2	986.92	987.31	20	1.95%	8"	SDR-35	-
SAS #12	SAS #13	989.70	1001.03	150	7.55%	8"	SDR-26	-
SAS #13	SAS #14	1001.13	1002.78	329	0.50%	8"	SDR-35	-

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
WEST SUNSET COURT						
EX SAS #2A	EX SAS #3854-021	255	VP	8"	N	(2)
EX SAS #3854-021	EX SAS #3854-023	137	VP	8"	N	-
EX SAS #3854-023	EX SAS #3855-008	171.00	VP	6"	N	-
EX SAS #3855-008	EX SAS #3855-010	412.00	VP	6"	N	(3)
NORTH SUNSET COURT						
EX SAS #3854-021	EX SAS #3854-022	371.00	VP	8"	N	-
EAST SUNSET COURT						
EX SAS #3854-022	EX SAS #3855-009	202.00	VP	8"	N	-
EX SAS #3855-009	EX SAS #3855-017	316.00	VP	6"	N	-
EX SAS #3855-017	EX SAS #3855-012	295.00	VP	6"	N	-

SANITARY PIPE ABANDONMENTS

ABAN FROM	ABAN TO	LGTH (FT)	PIPE SIZE	NOTES
SOUTH SUNSET COURT				
EX SAS #3855-010	EX SAS #3855-011	247	6"	(4)

SPECIFIC NOTES

- (1) INSTALL COMPRESSION COUPLING (AS NEEDED), AND PAID UNDER BID ITEM 50357
- (2) EXISTING MAIN IS LOCATED WITHIN 4' OF PROPOSED MAIN AND REMOVAL SHALL BE CONSIDERED INCIDENTAL TO INSTALLATION OF NEW MAIN
- (3) 12' OF REMOVAL SHALL BE PAID UNDER BID ITEM 20314
- (4) PIPE PLUGS SHALL BE CONSIDERED INCIDENTAL TO ABANDONMENT
- (5) INSTALL INTERNAL CHIMNEY SEAL PER S.D.D. 5.7.17

STORM SEWER SCHEDULE

*REV. 6/27/2017 KDF

SUNSET COURT ASSESSMENT DIST. - 2017	SHEET NO.
PROJECT NO. 11431	U-11
STORM SEWER SCHEDULE	
SUNSET COURT	CITY OF MADISON

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
WEST SUNSET COURT					
R-10	IN 3854-004	107+67.35	LT-13.25	4' DIA SAS	-
R-11	AS 3854-013	107+67.00	RT-2.00	4X4 SAS	-
R-11A	IN 3854-005	107+66.65	RT-13.15	INLET	-
R-12	AS 3854-014	107+99.85	RT-15.85	4X4 SAS	-
NORTH SUNSET COURT					
R-13	AS 3854-015	301+54.72	RT-6.40	4X4 SAS	-
EAST SUNSET COURT					
R-1	DT 3854-010	209+69.86	LT-21.00	ENDWALL	(3)
R-2	AS 1	208+57.60	LT-16.00	4X4 SAS	-
R-3	DT 3854-008	209+74.18	LT-26.40	-	-
R-4	IN 3854-0001	209+71.75	RT-18.90	INLET	-

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
WEST SUNSET COURT							
RP-10	R-10	R-11	12	36"	RCP	Y	-
RP-11	R-11	R-12	32	36"	RCP	Y	-
RP-11A	R-11	R-11A	8	18"	RCP	Y	-
NORTH SUNSET COURT							
RP-12	R-12	R-13	133	36"	RCP	Y	(1)
EAST SUNSET COURT							
RP-1	R-1	R-2	115	30"	RCP	Y	-
RP-2	R-2	S-5D	29	30"	RCP	N	-
RP-3	R-3	R-4	44	18"	CMP	Y	(2)

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
WEST SUNSET COURT					
* ULO1	101+12.65	RT-15.35	GAS - 3" PLASTIC	1003.13	OK
* ULO2	107+54.75	RT-9.95	GAS - 3" PLASTIC	983.87	CONFLICT - STM REVISED
* ULO3	107+91.90	RT-10.90	GAS - 3" PLASTIC	982.93	(4), CONFLICT - TOP OF STM = 984.50
* ULO4	108+07.30	RT-16.60	GAS - 3" PLASTIC	984.60	(4), CONFLICT WITH S-23
* ULO5	108+13.60	RT-12.70	GAS - 3" PLASTIC	984.45	(4), CONFLICT
* ULO6	110+72.80	LT-26.30	GAS - 6" PLASTIC	980.95	CONFLICT - STM REVISED
EAST SUNSET COURT					
* ULO7	209+68.50	RT-14.15	GAS - 3" PLASTIC	989.84	(4), CONFLICT WITH S-5C
* ULO8	208+54.55	RT-14.30	GAS - 3" PLASTIC	991.01	OK, BTM OF STM = 991.43
* ULO9	208+37.70	RT-5.70	GAS - 3" PLASTIC	993.95	(4), CONFLICT - TOP OF STM = 994.40
* ULO10	203+13.30	LT-15.10	GAS - 3" PLASTIC	1008.13	OK

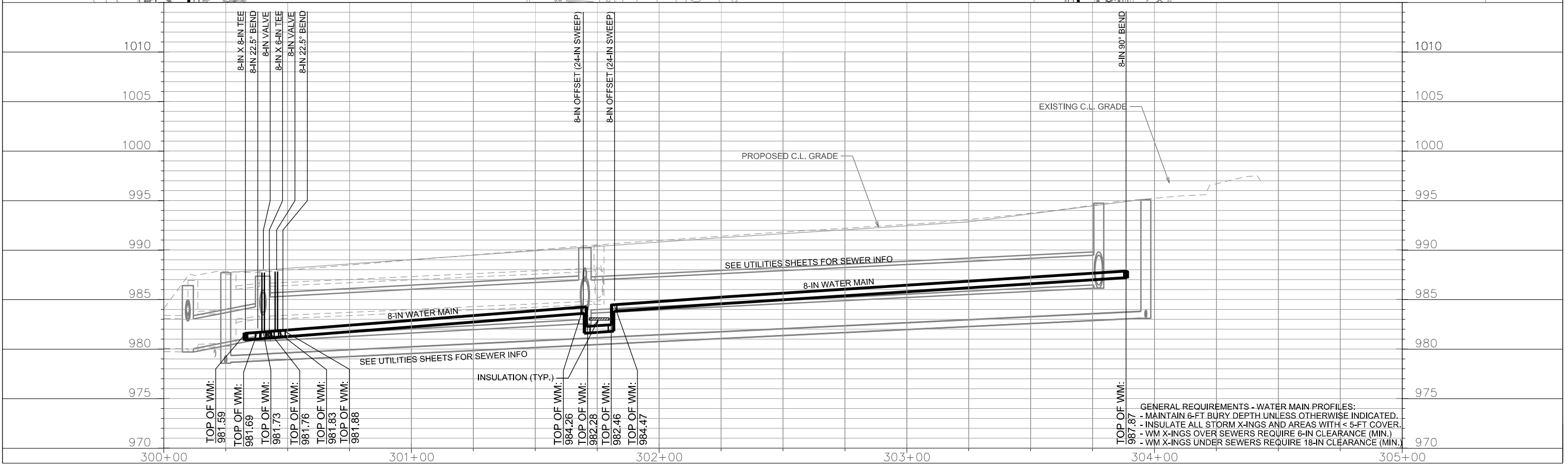
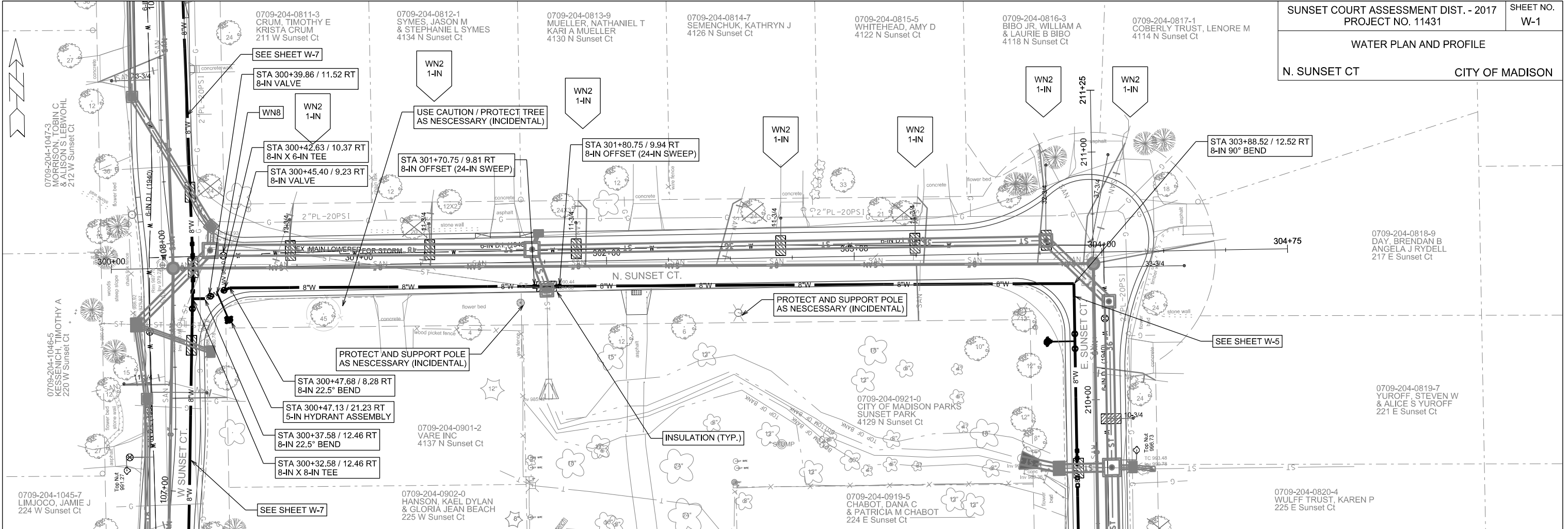
*5 ADDITIONAL UNDISTRIBUTED ULO'S

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

SPECIFIC NOTES

- (1) ONLY 50 LF WILL BE PAID FOR FROM EDGE OF SANITARY TRENCH THRU S=3B.
- (2) ONLY 22 LF WILL BE PAID FOR FROM R-2 THRU S=6.
- (3) INCIDENTAL TO PIPE REMOVAL
- * (4) COORDINATE WITH MGE TO MOVE GAS MAIN

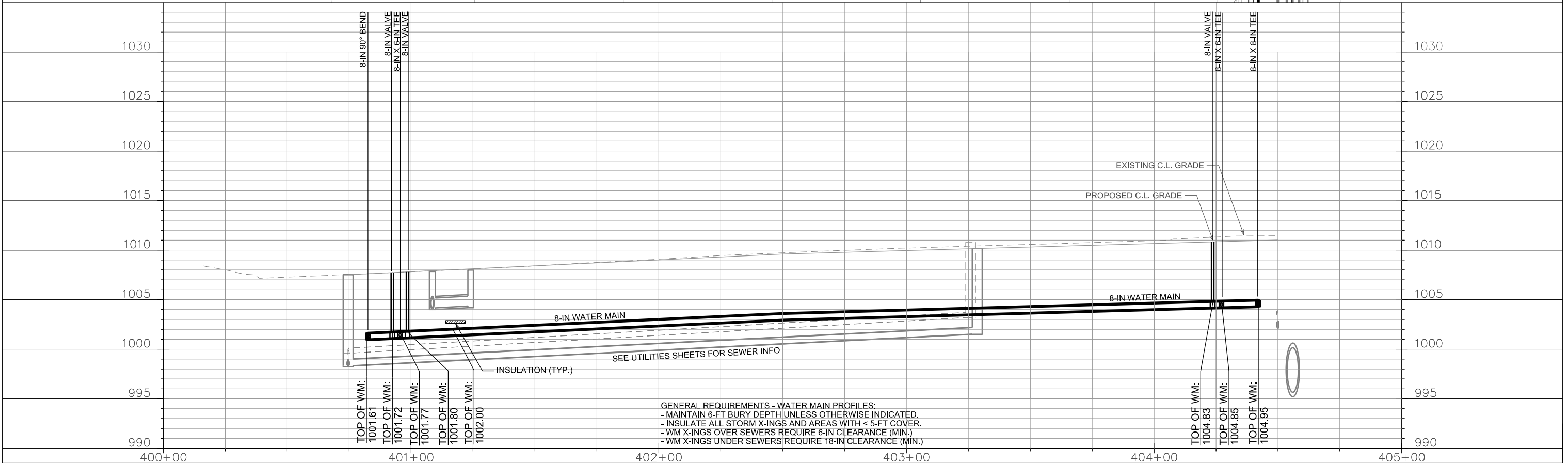
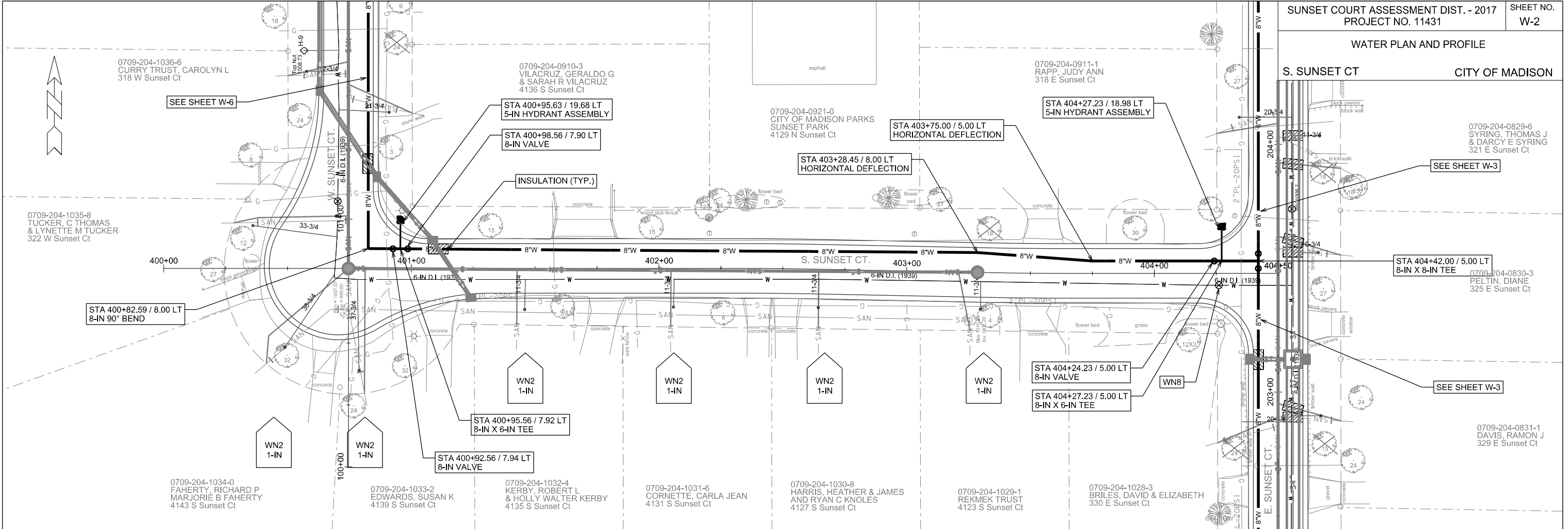


GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN).
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN).

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

WATER PLAN AND PROFILE

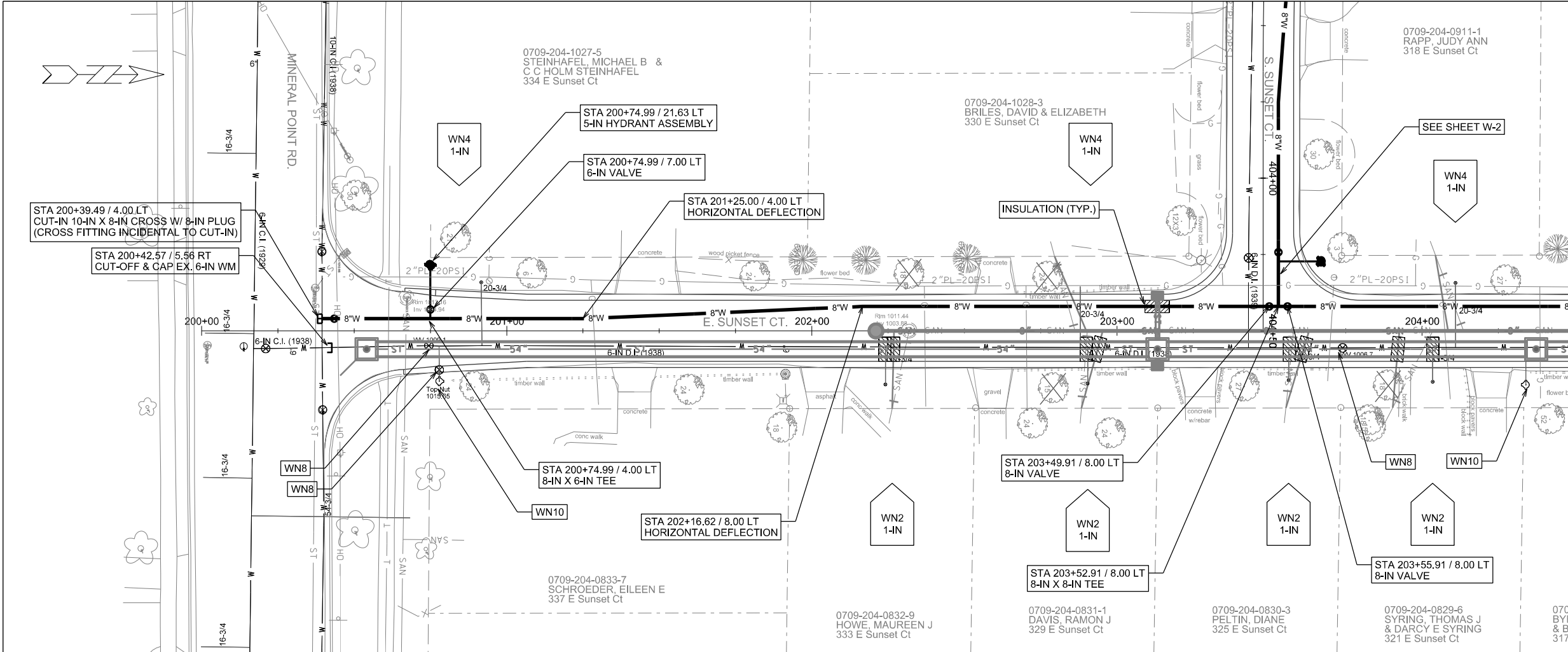
S. SUNSET CT CITY OF MADISON



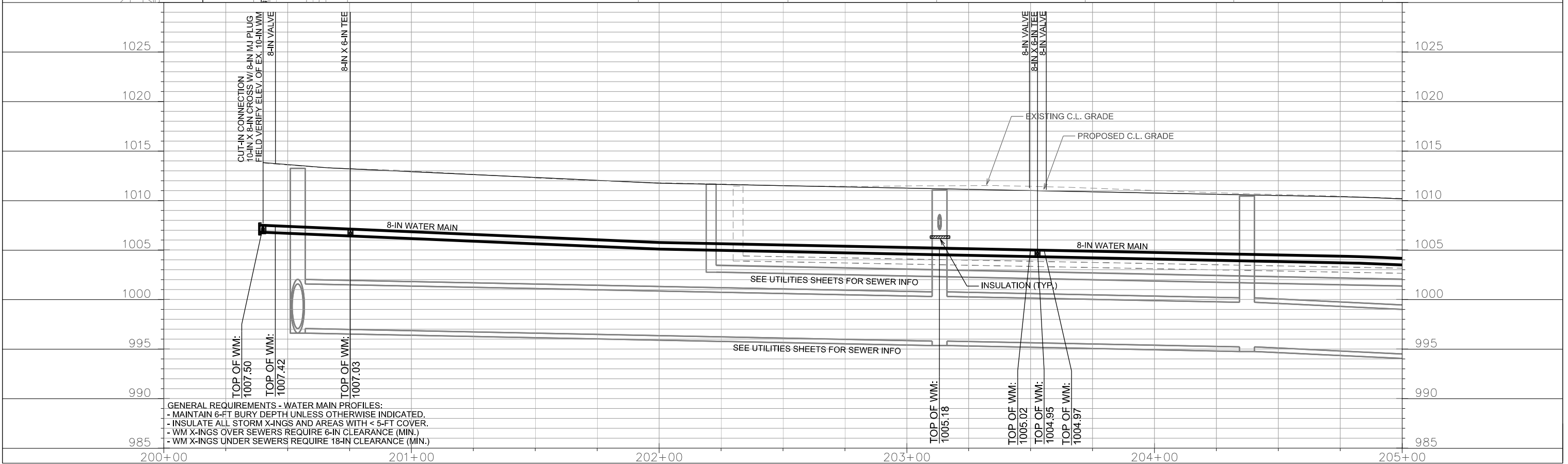
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REV. DATE: _____

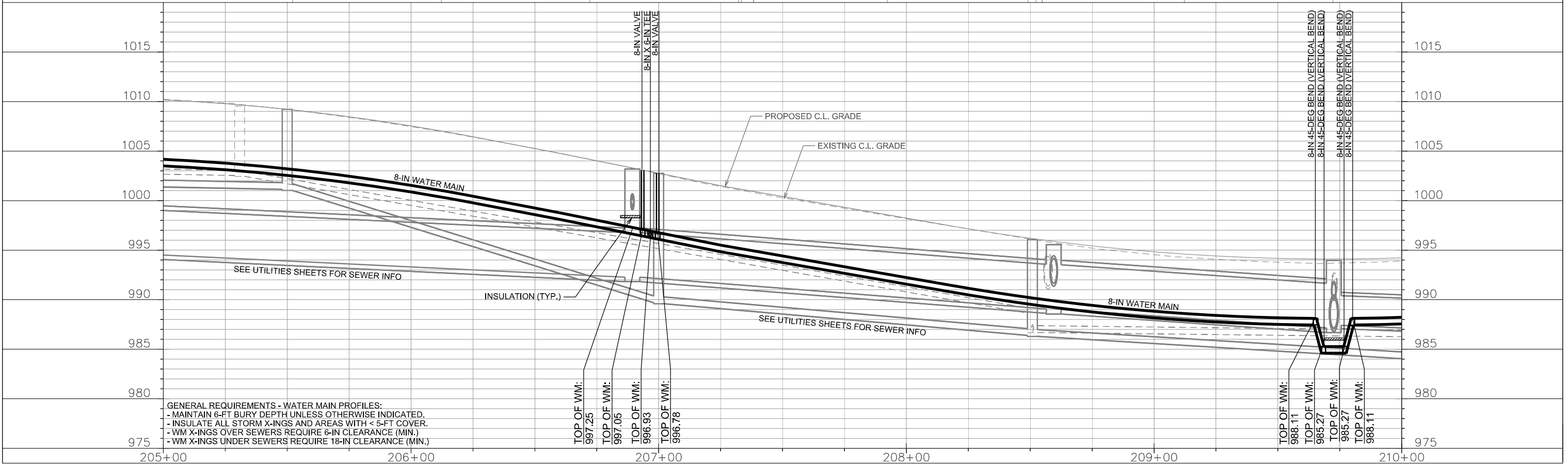
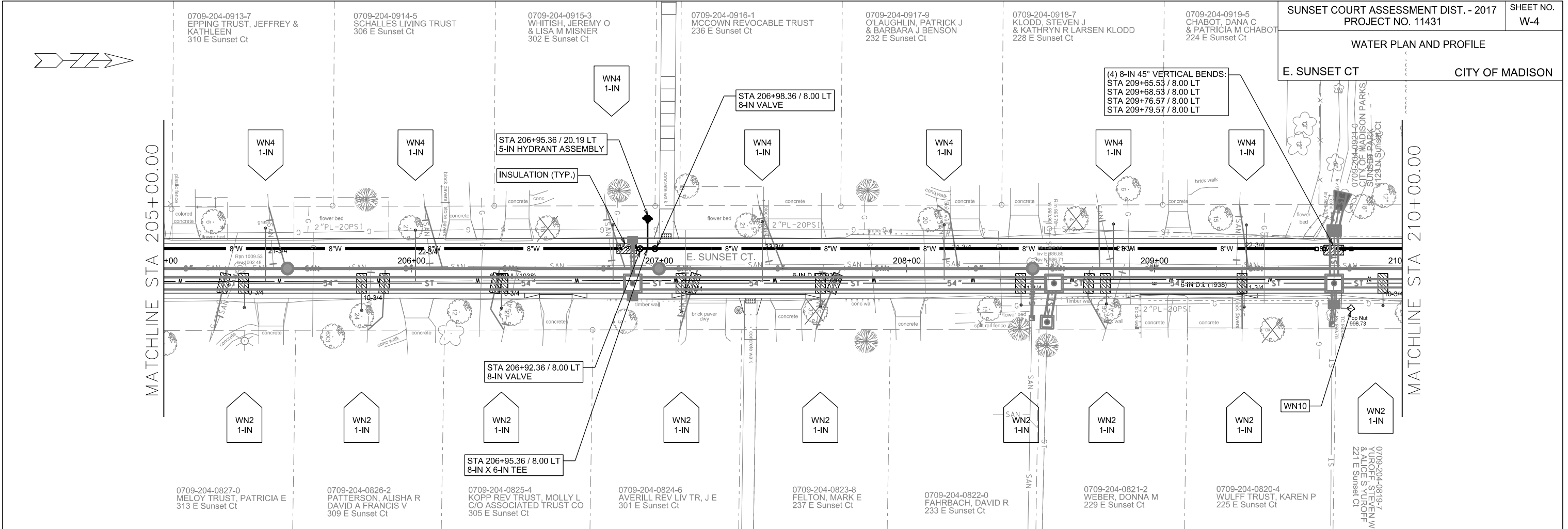
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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PLOT SCALE: _____
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

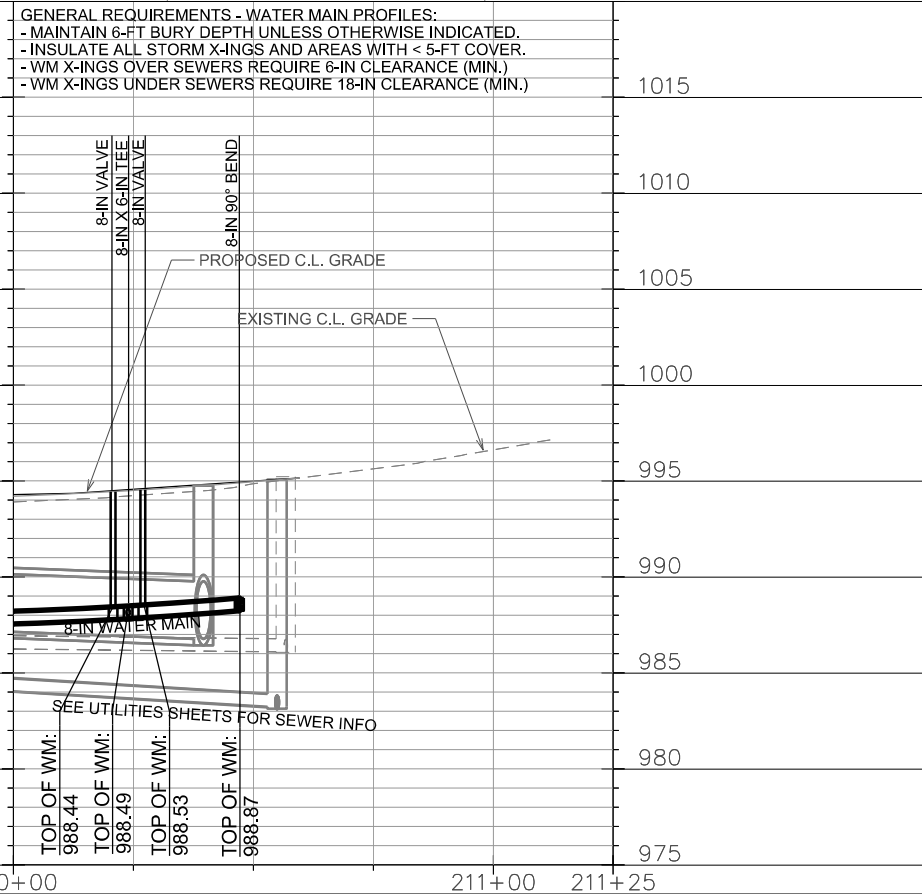
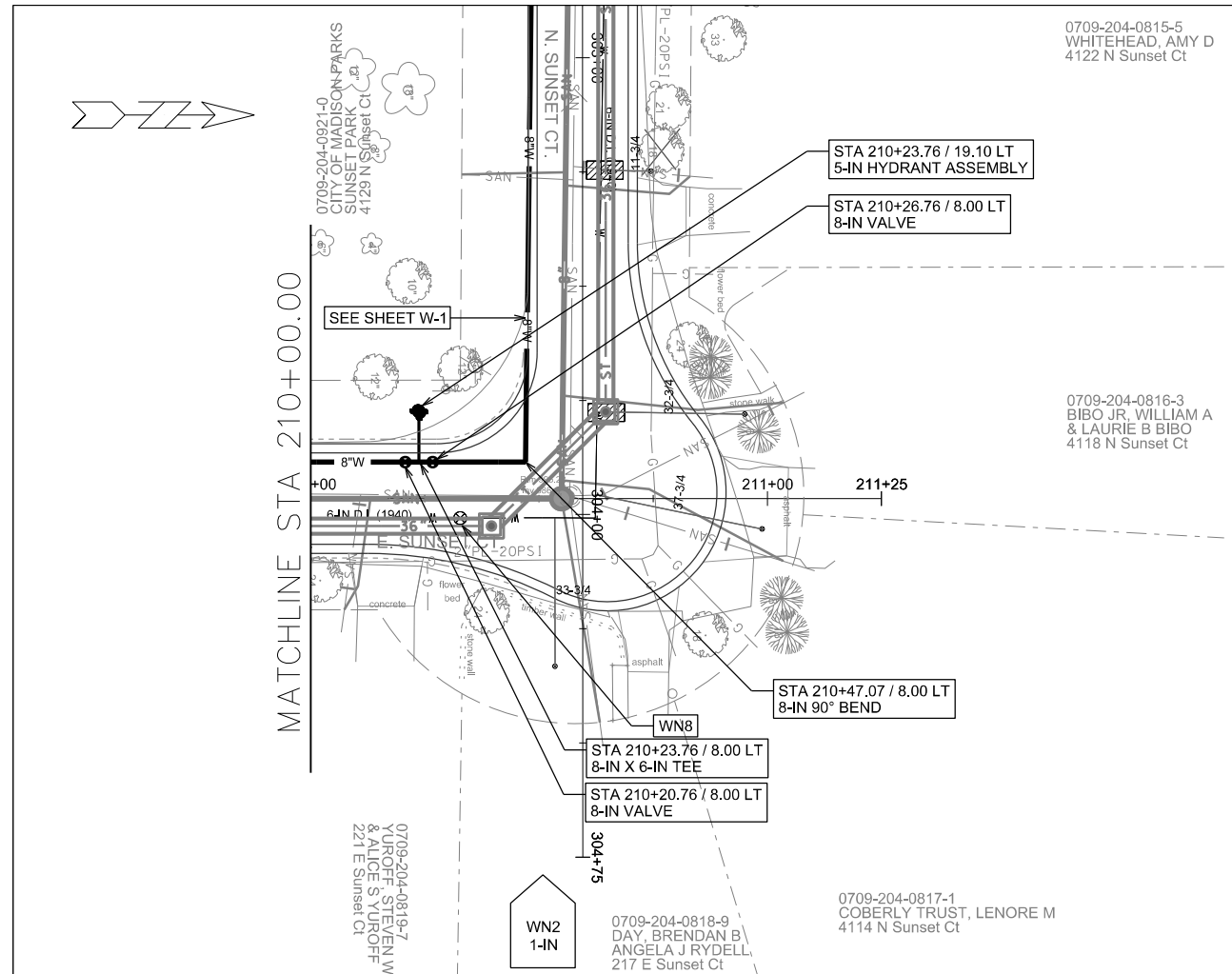


GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

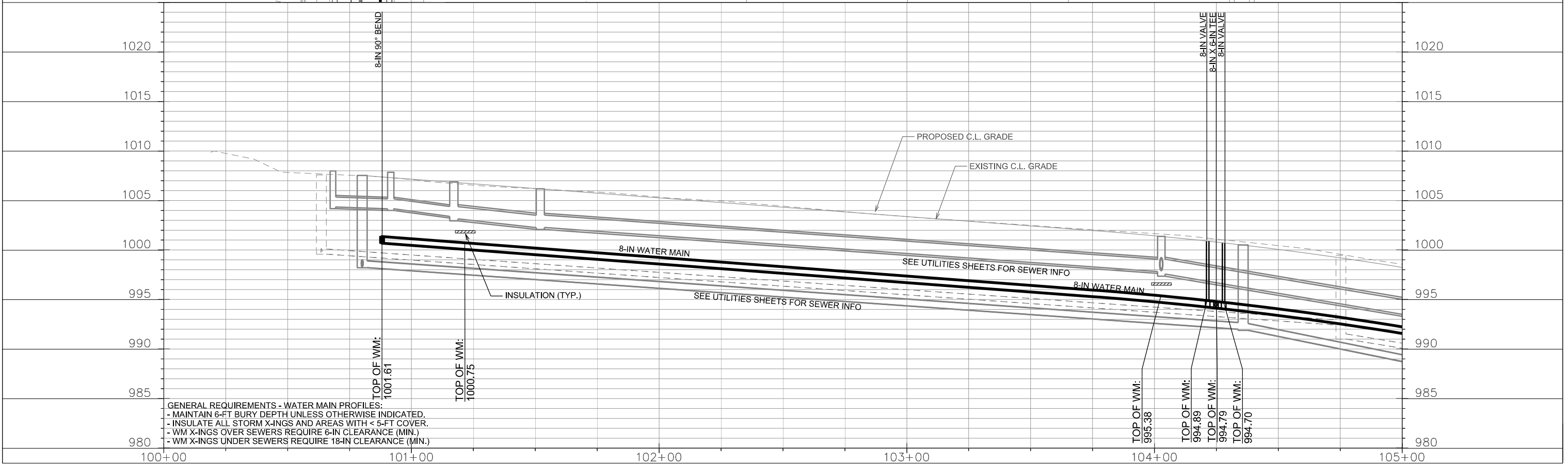
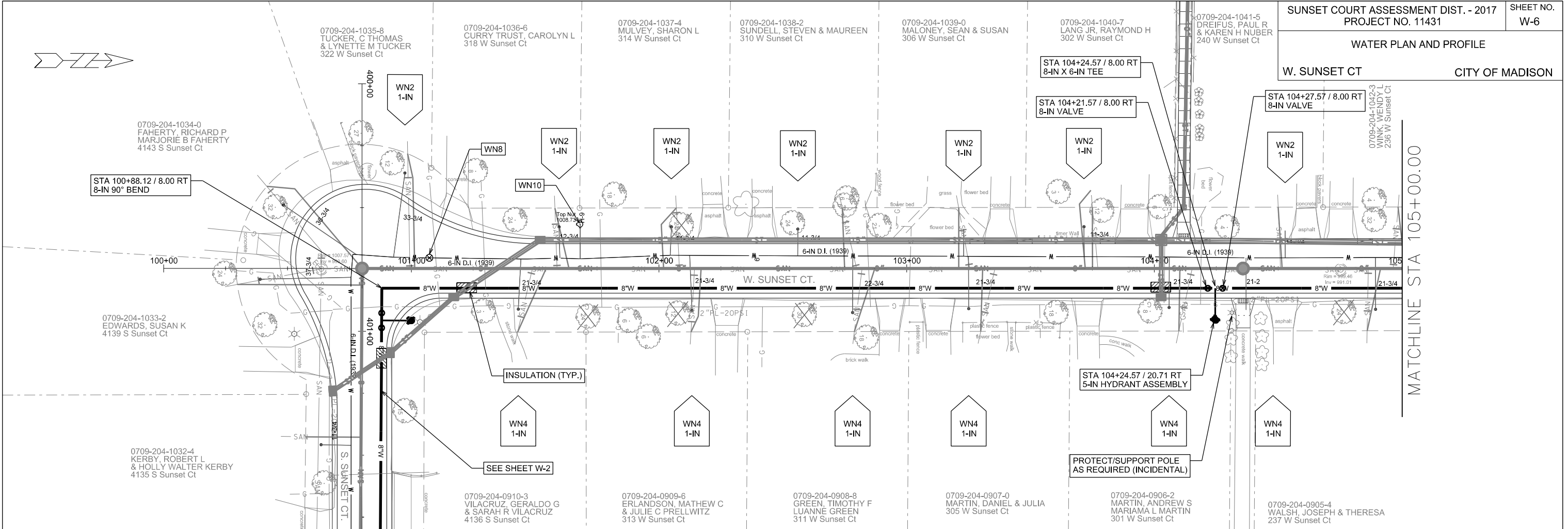


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



GENERAL REQUIREMENTS - WATER MAIN PROFILES:
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PLOT SCALE: _____

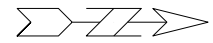
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

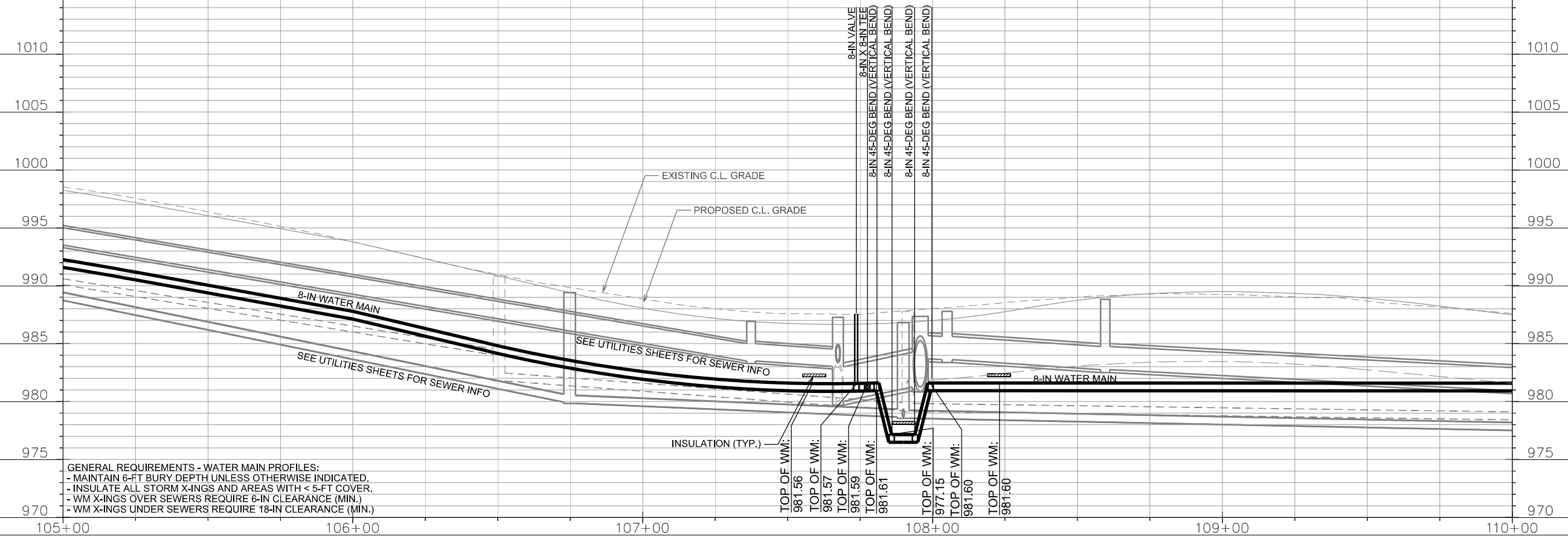
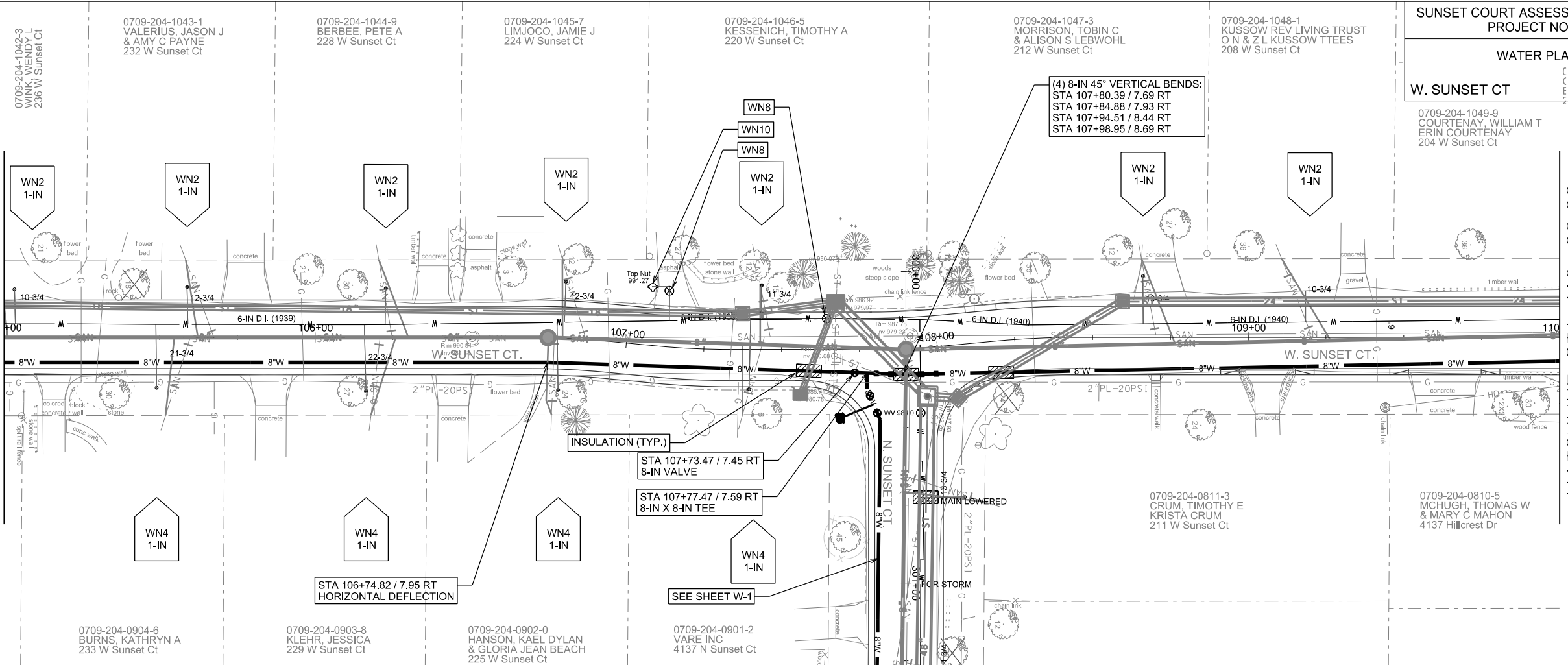
WATER PLAN AND PROFILE
W. SUNSET CT CITY OF MADISON

0709-204-1049-9
COURTENAY, WILLIAM T
ERIN COURTENAY
204 W Sunset Ct



MATCHLINE STA 105+00.00

MATCHLINE STA 110+00.00



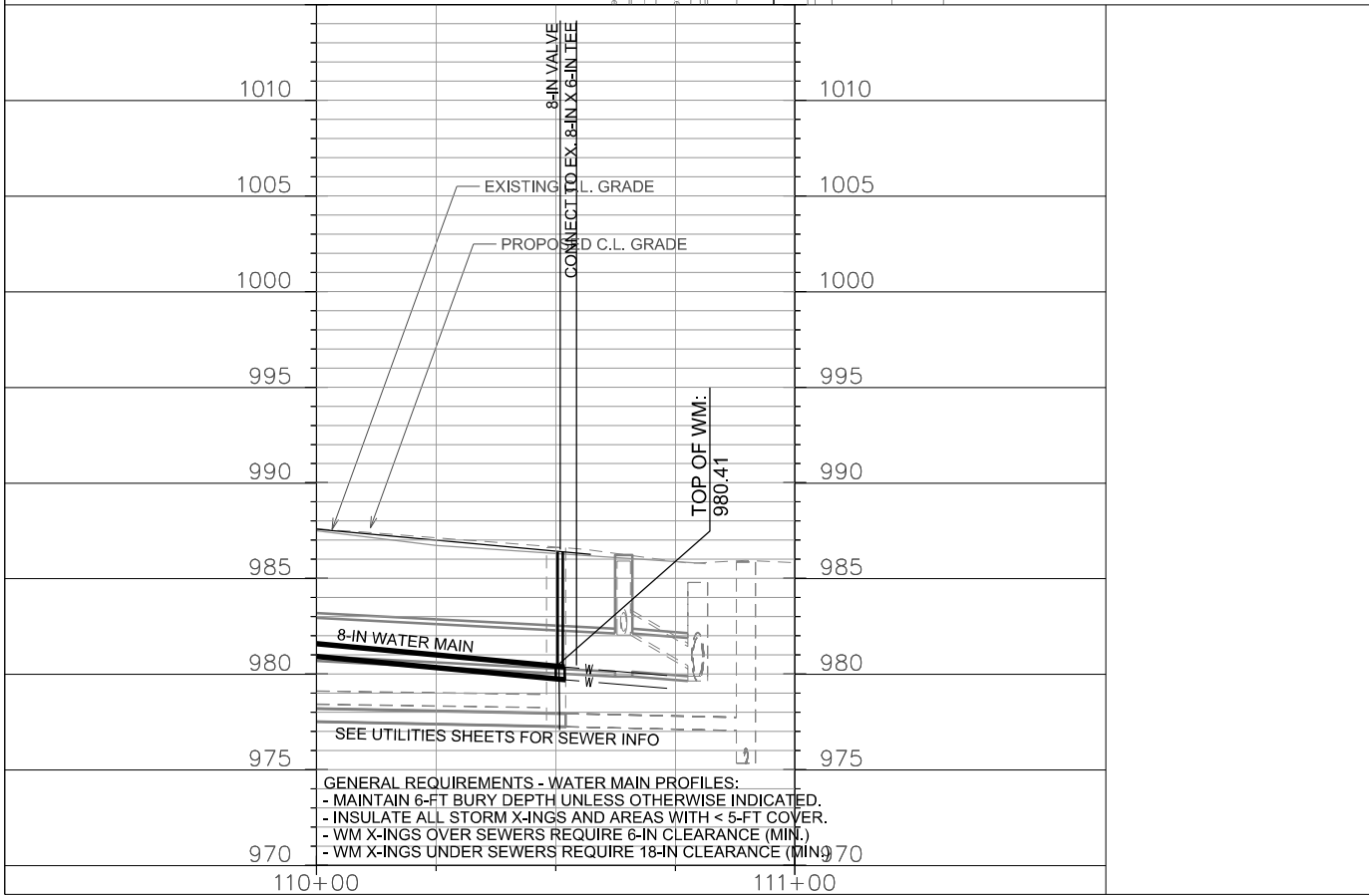
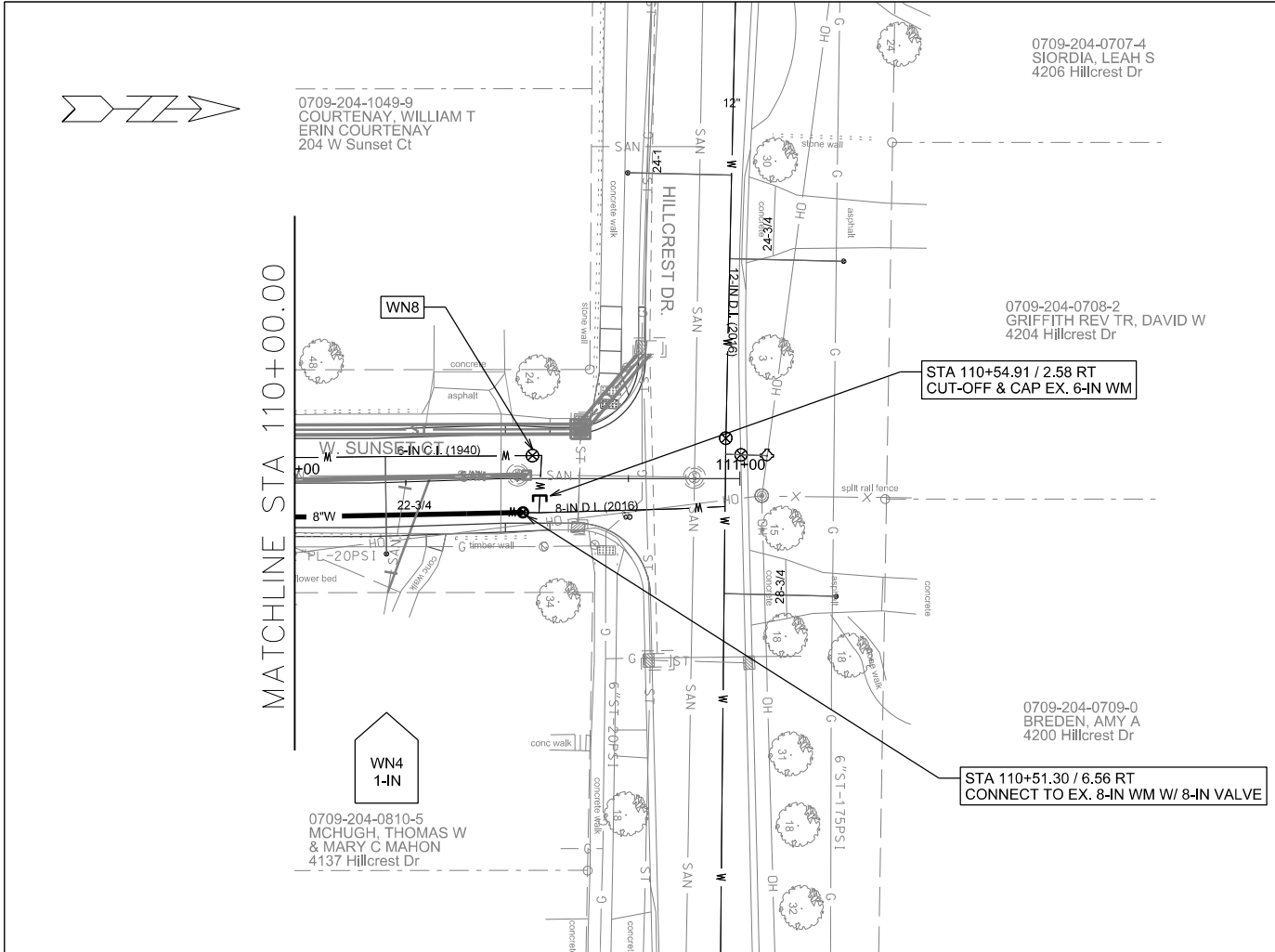
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PLOT SCALE: _____

PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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.
- 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
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

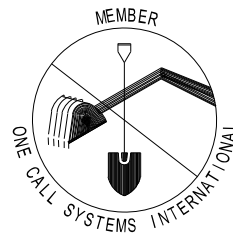
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

- | | |
|-------------------------|------------------------------------|
| 100-FT - 6-IN PIPE | 2 - 8-IN 90° BEND |
| 2700-FT - 8-IN PIPE | 8 - 8-IN 45° BEND |
| | 2 - 8-IN 22.5° BEND |
| 1 - 6-IN VALVE & BOX | 2 - 6-IN MJ CAP |
| 16 - 8-IN VALVE & BOX | |
| 7 - 8-IN X 6-IN TEE | 1 - 8-IN MJ PLUG |
| 2 - 8-IN X 8-IN TEE | |
| 1 - 10-IN X 8-IN CROSS | 7 - HYDRANT |
| 2 - 8-IN X 24-IN OFFSET | 232-FT - 2-IN STYROFOAM INSULATION |
| | 3080-FT - POLY WRAP |

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.



MATERIALS SUPPLIED BY CITY:

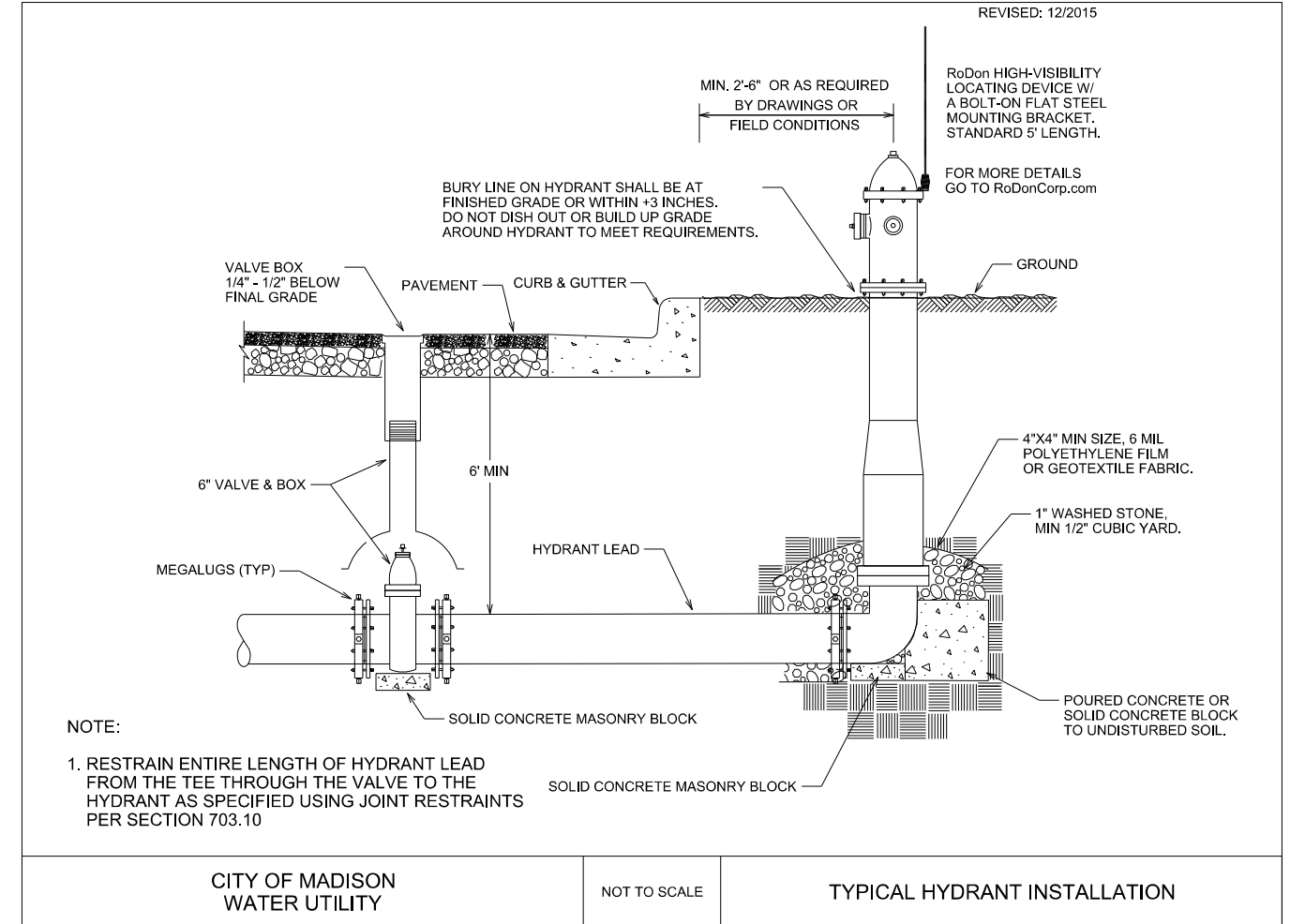
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

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

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

N SUNSET CT.

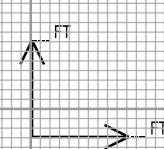
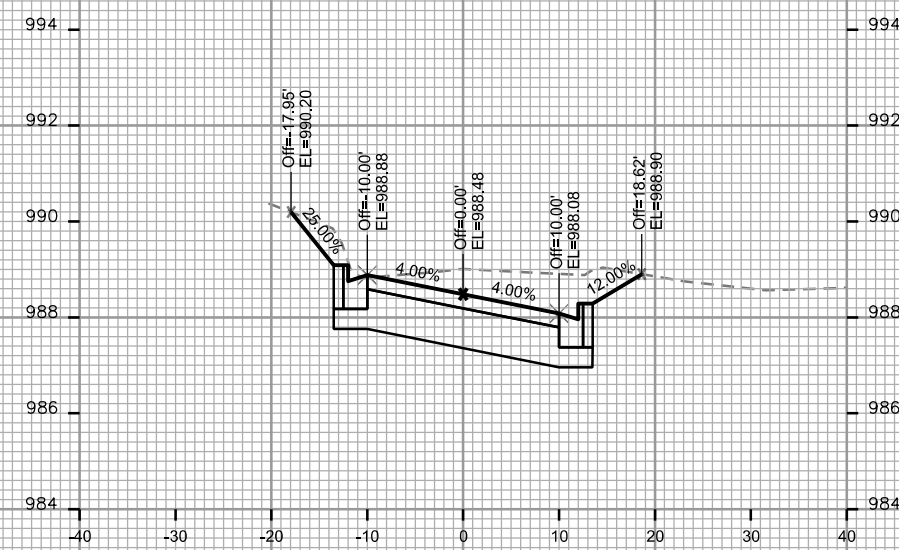
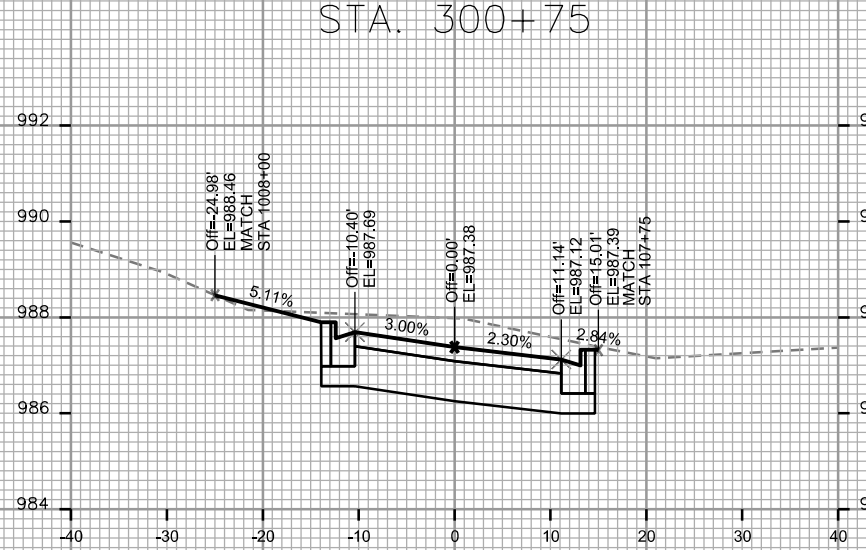
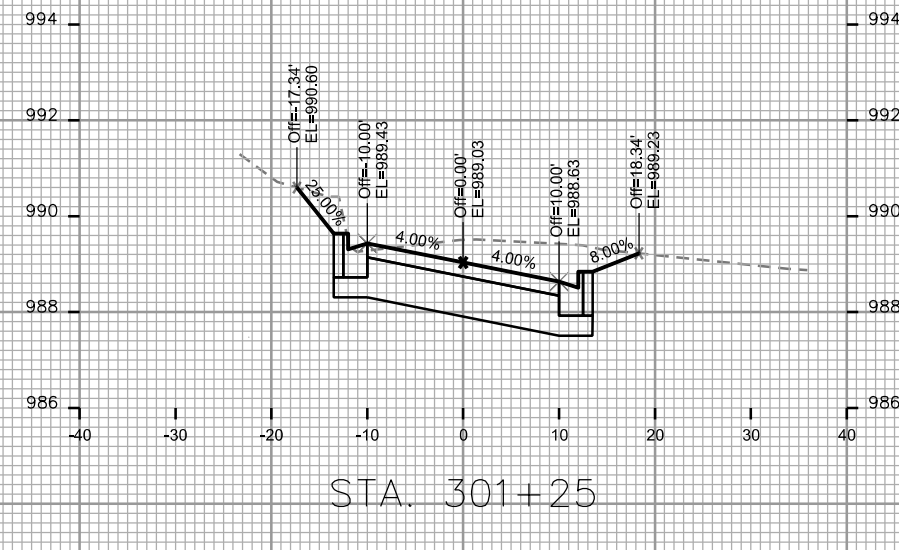
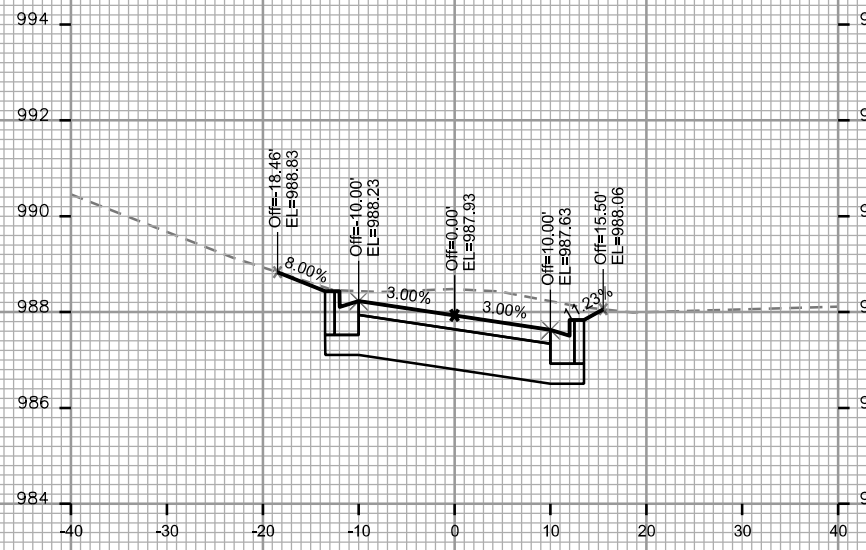
CITY OF MADISON

PLOT SCALE: _____

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CROSS SECTIONS

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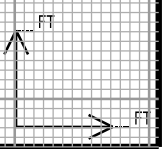
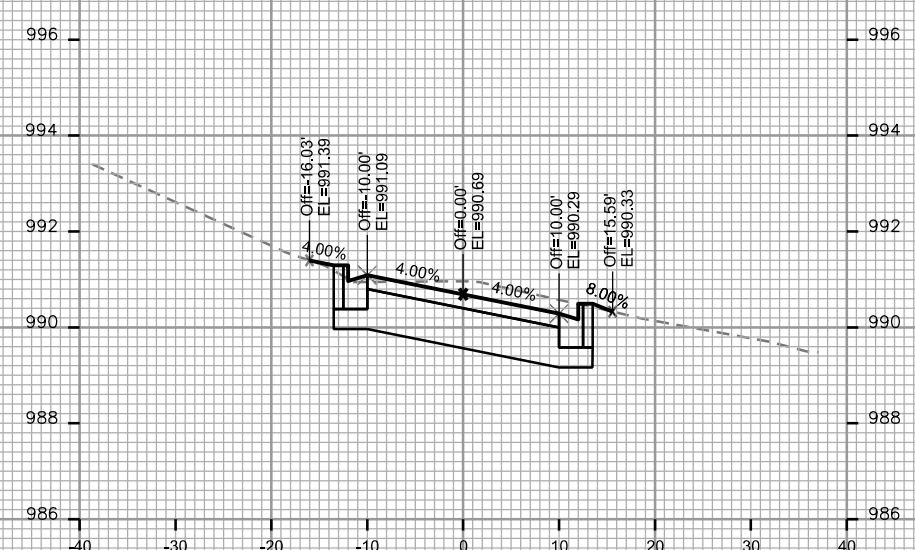
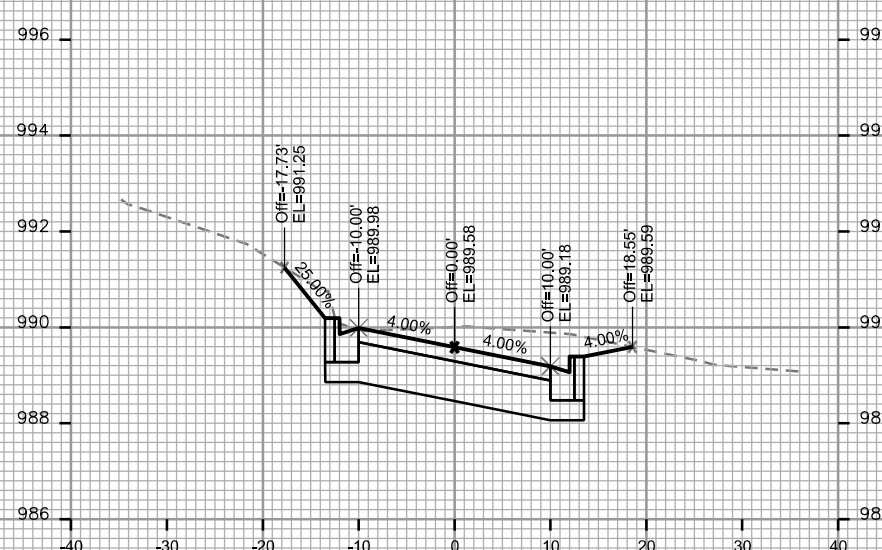
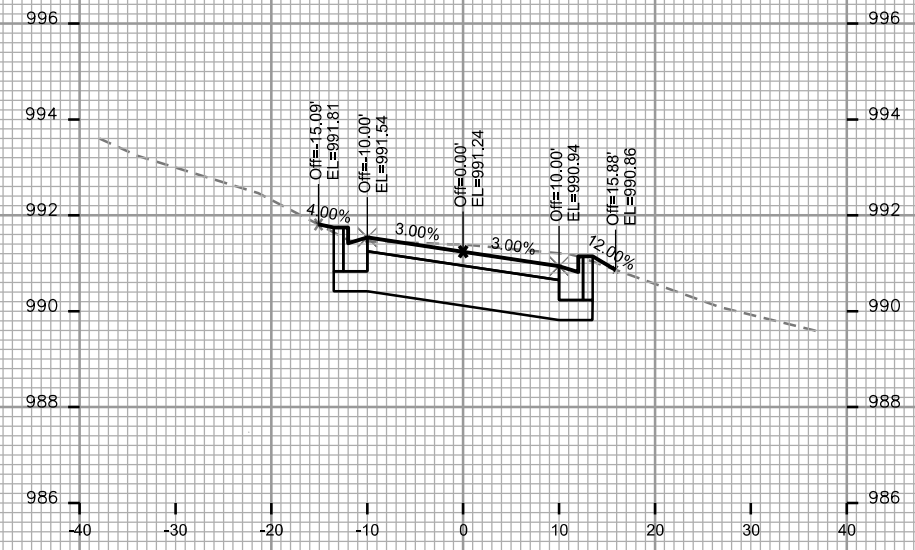
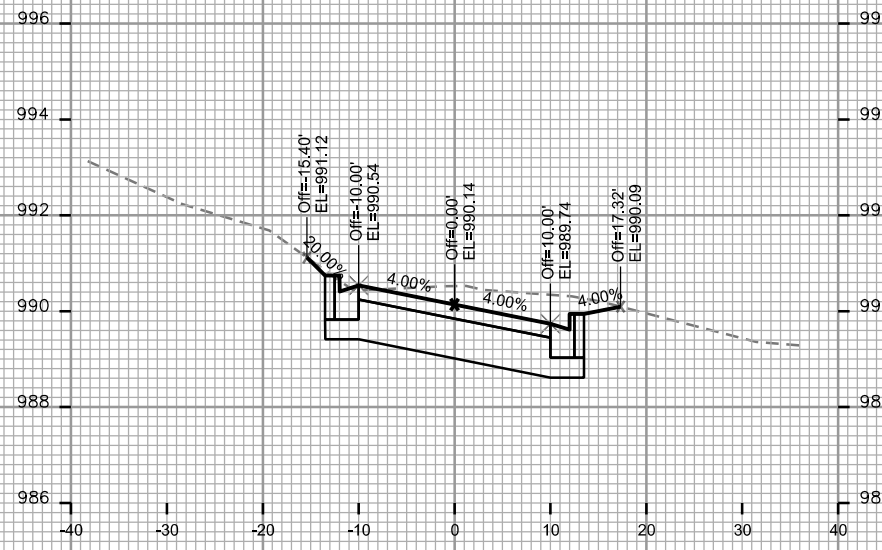
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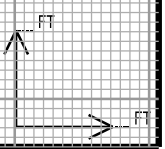
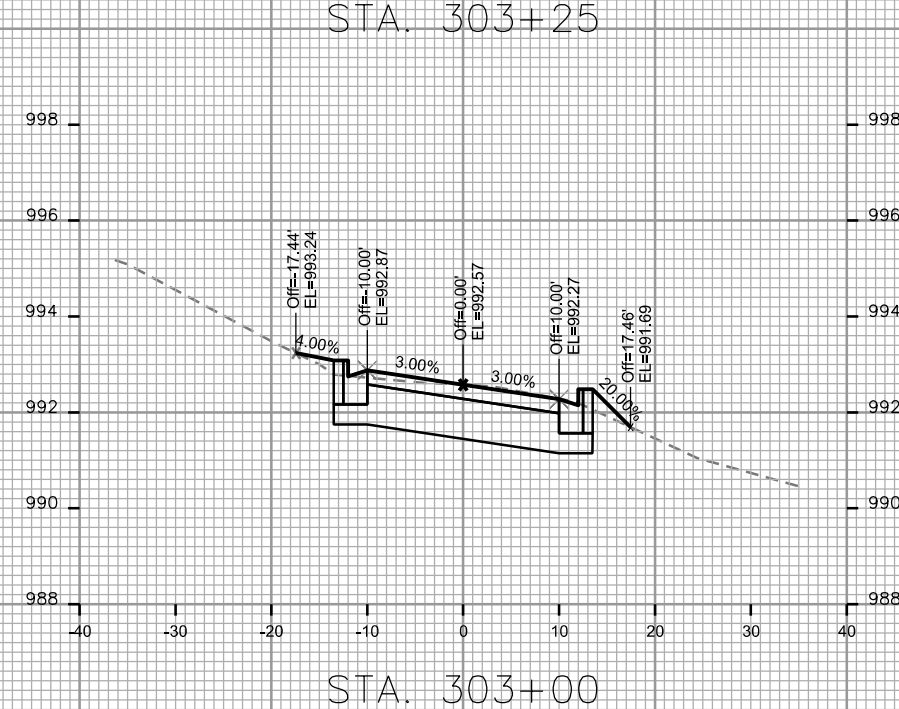
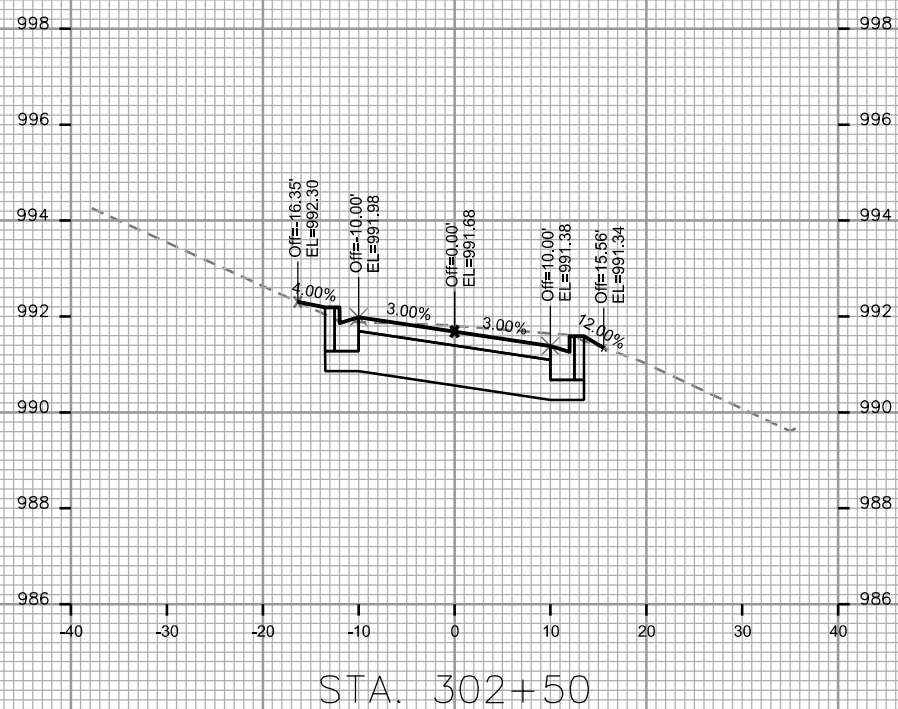
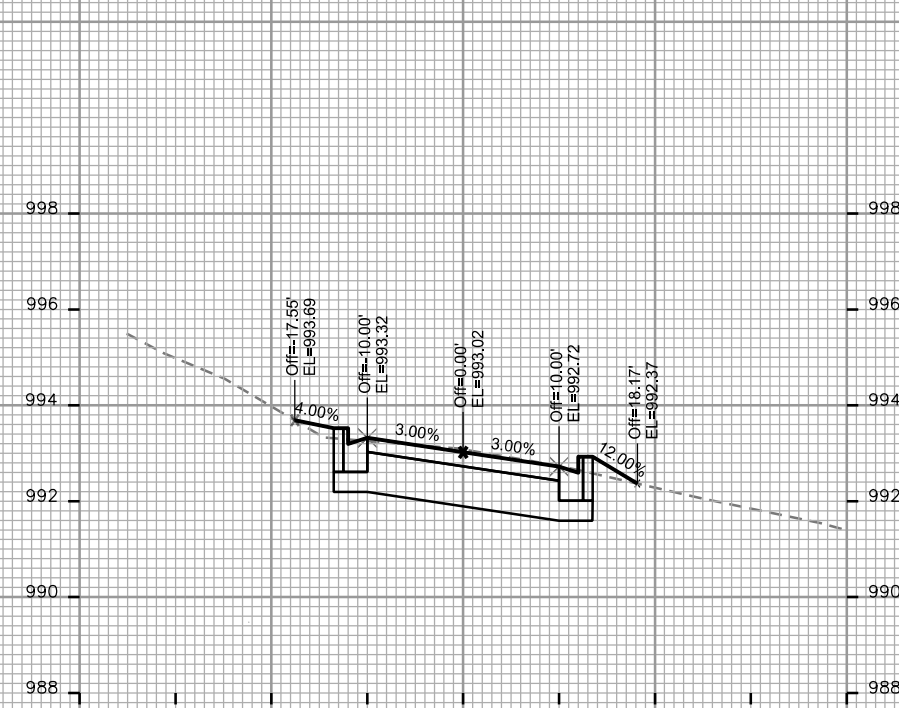
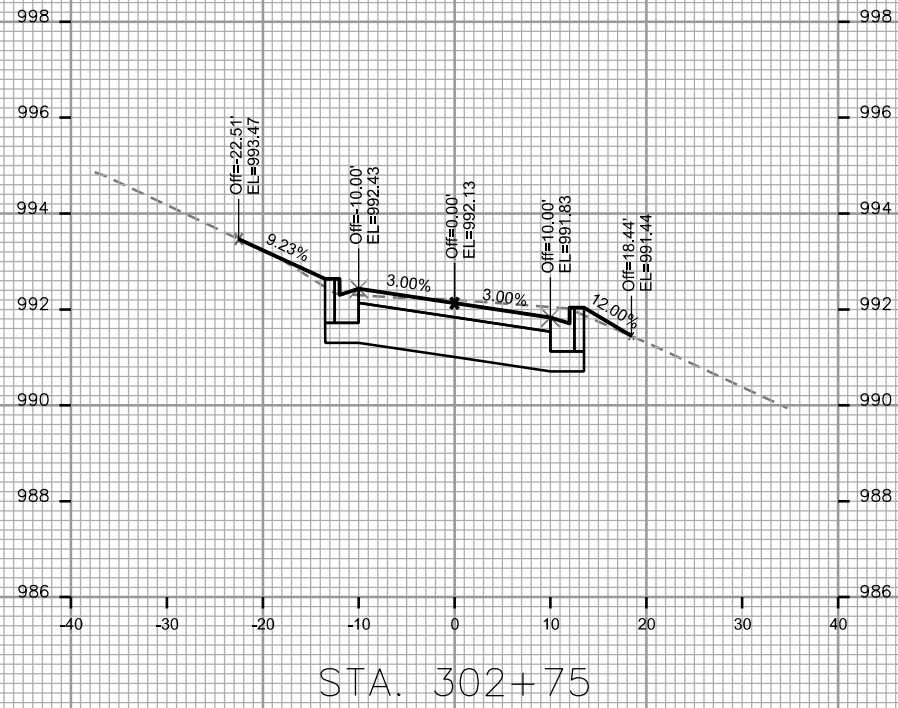
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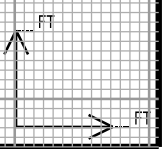
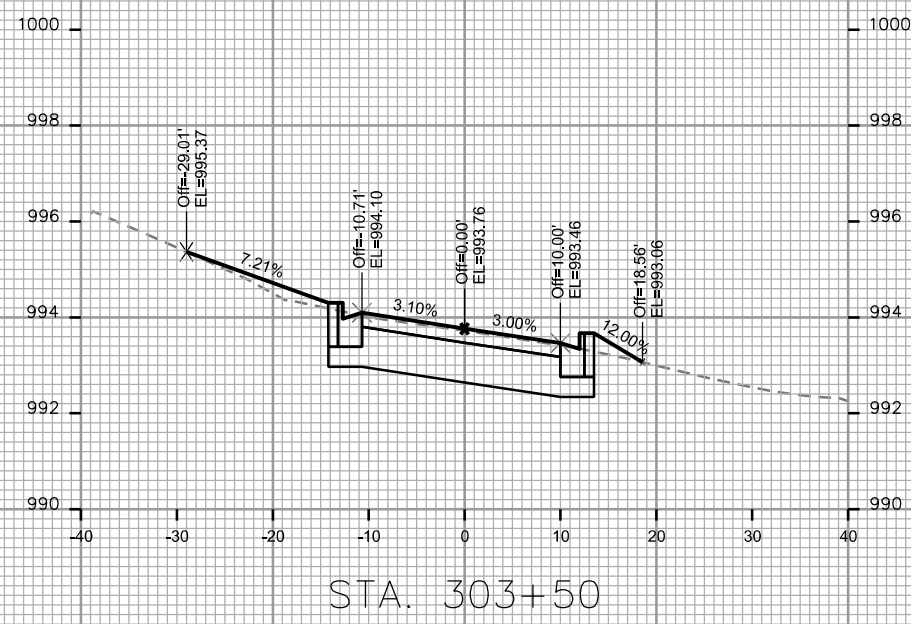
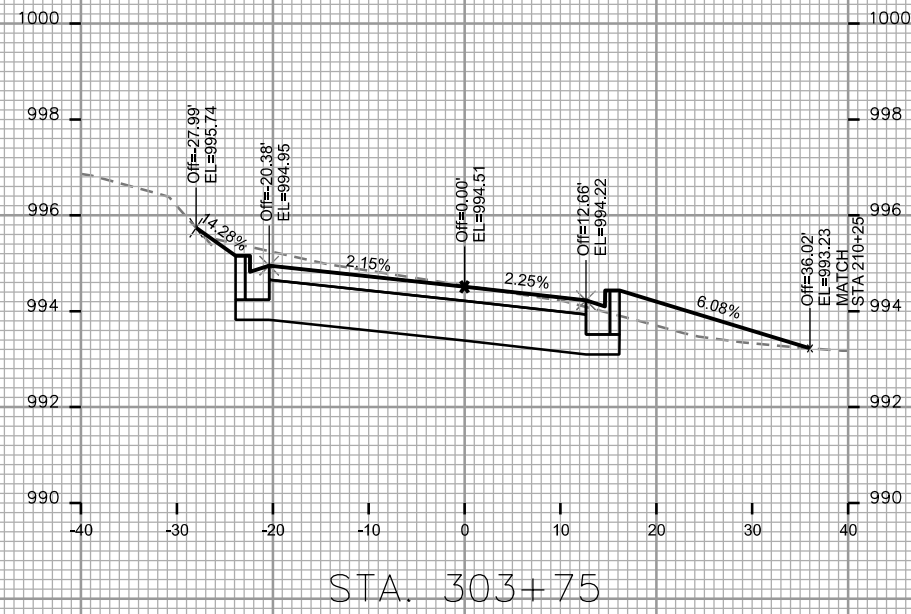
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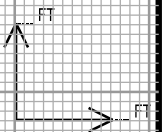
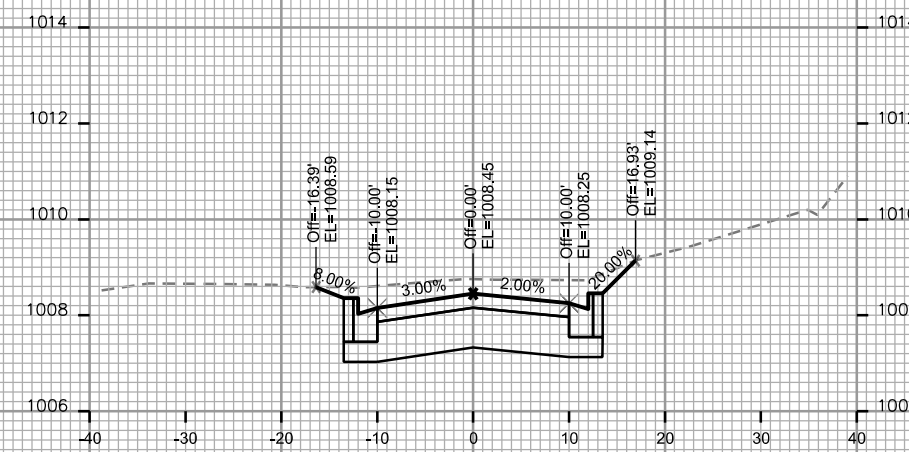
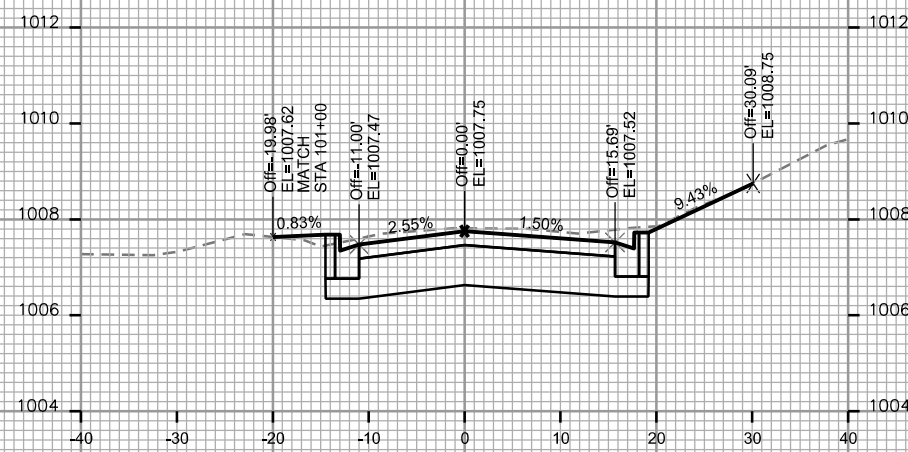
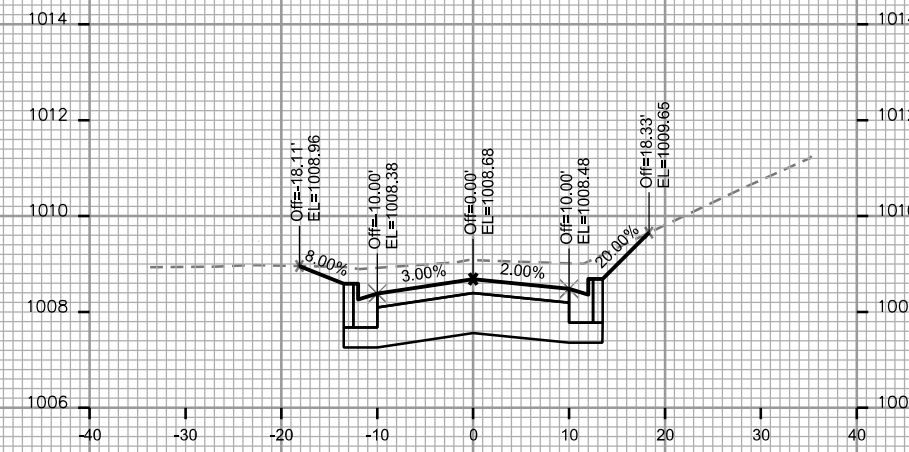
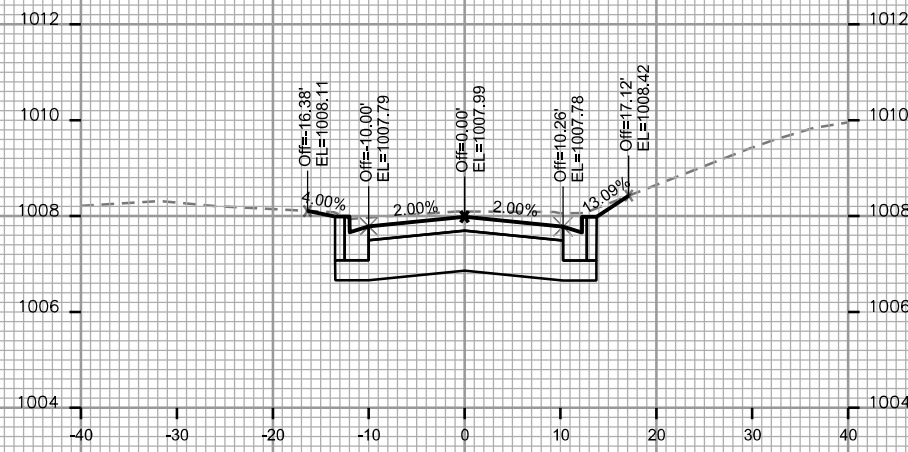
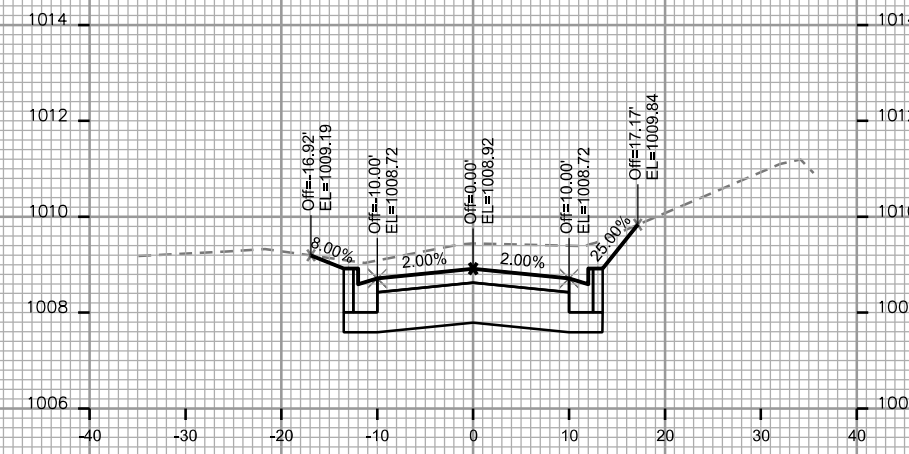
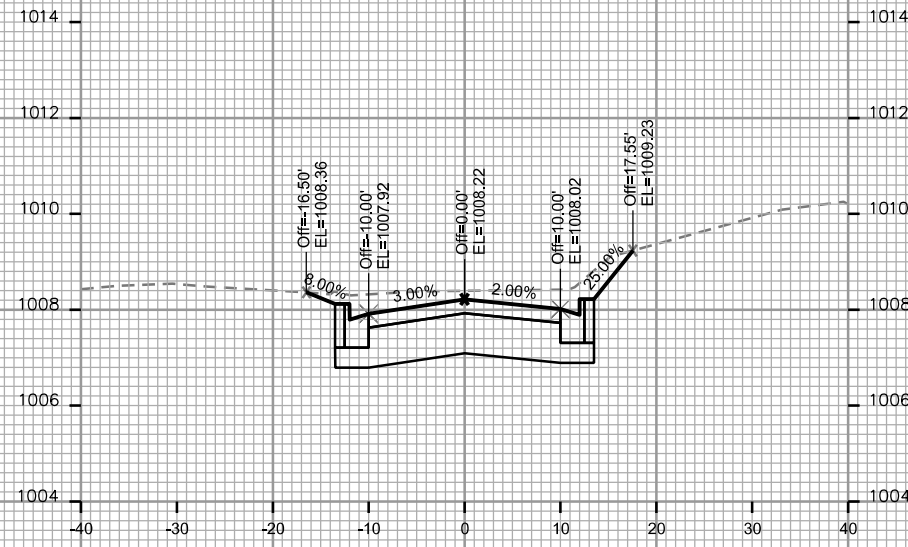
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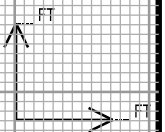
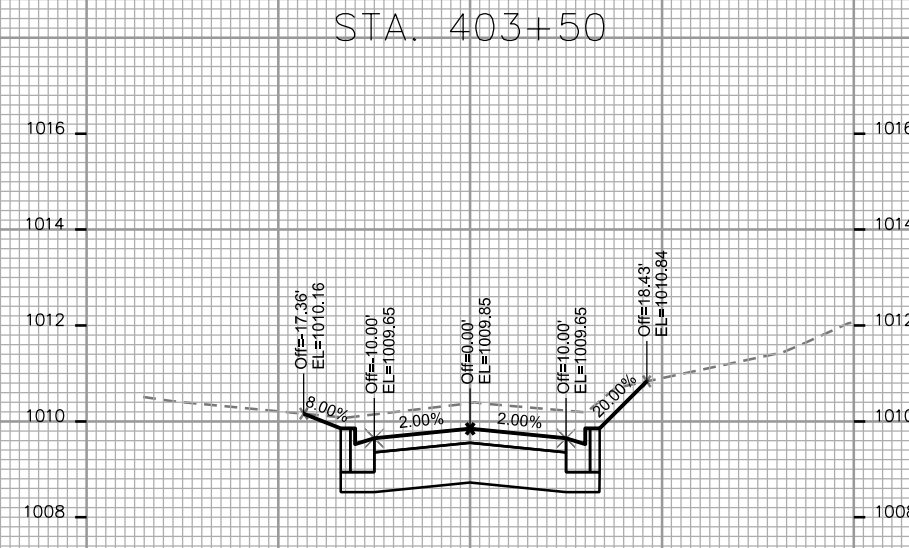
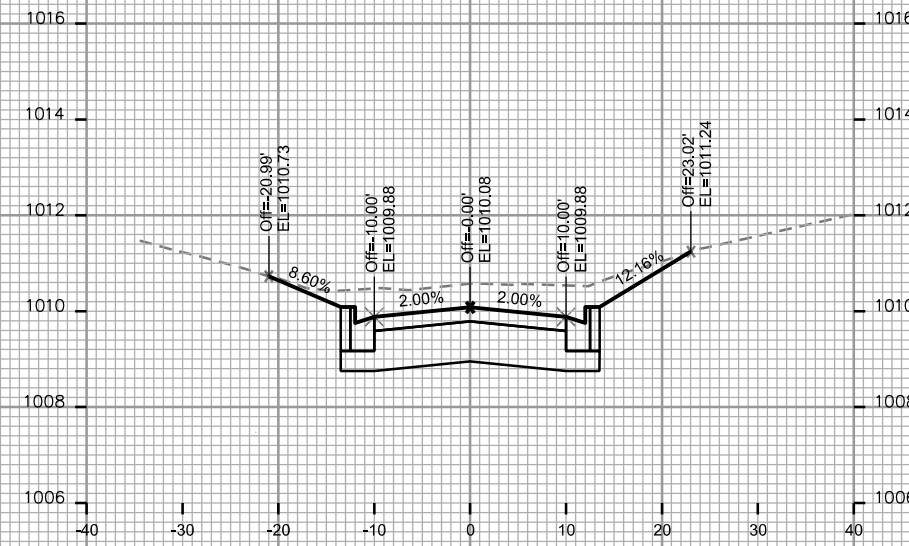
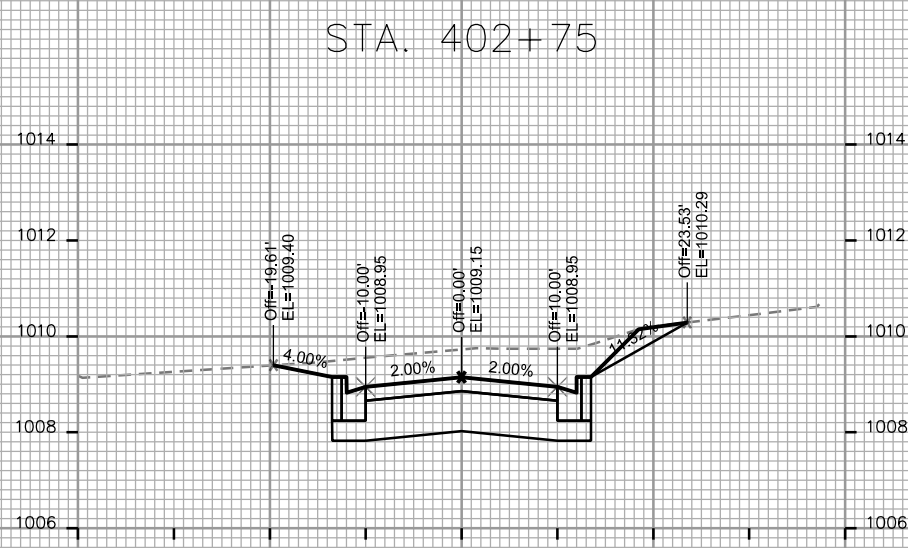
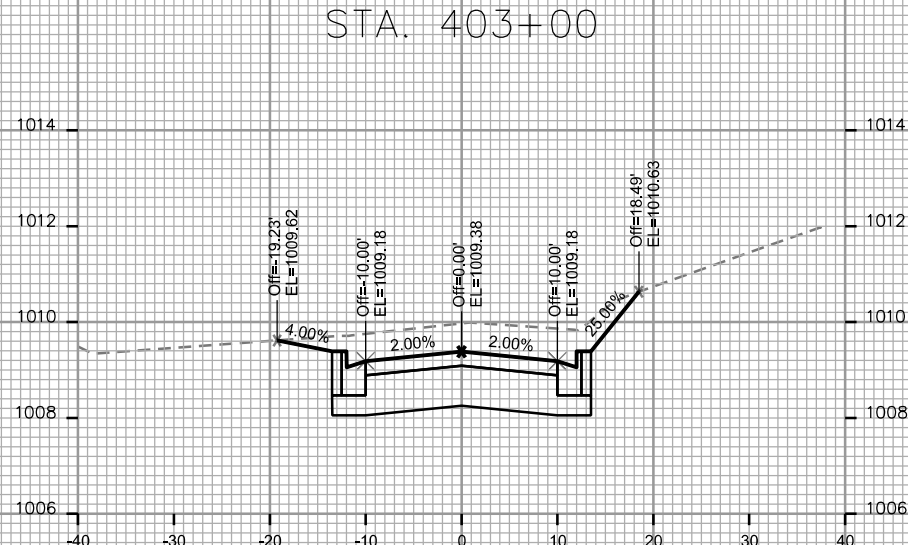
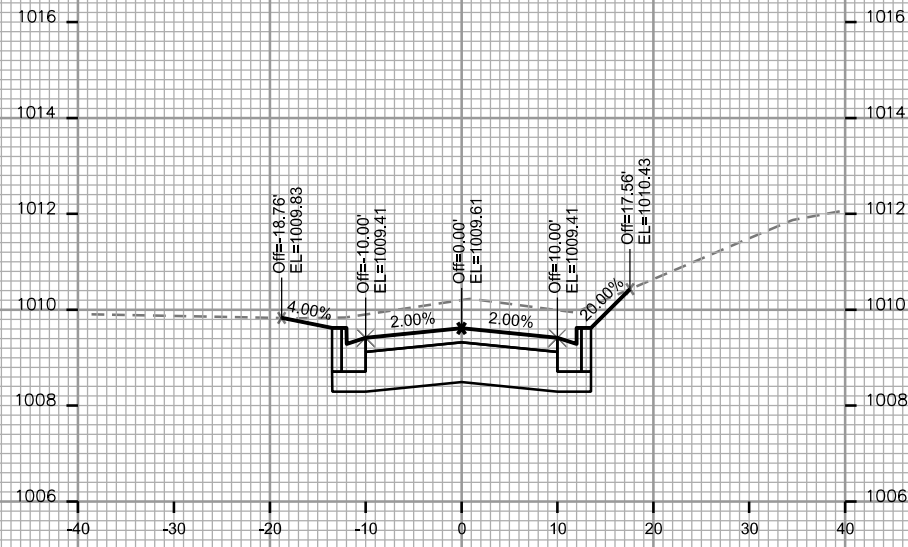
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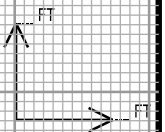
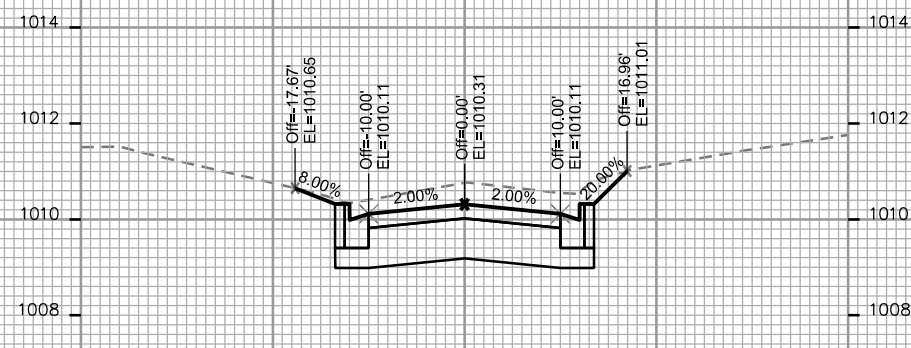
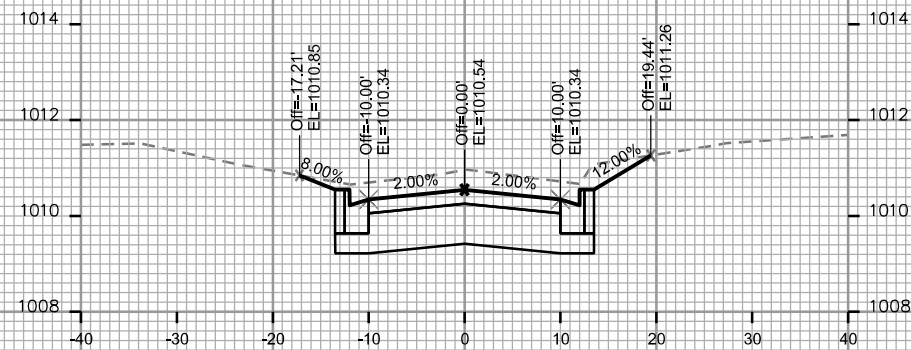
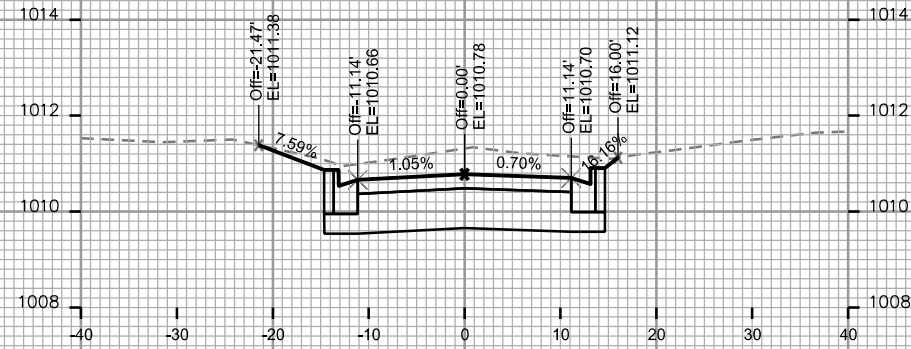
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CROSS SECTIONS

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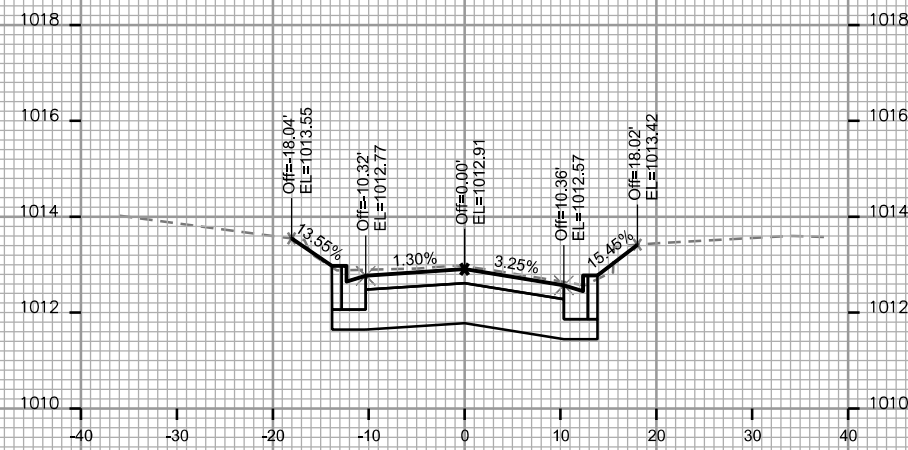
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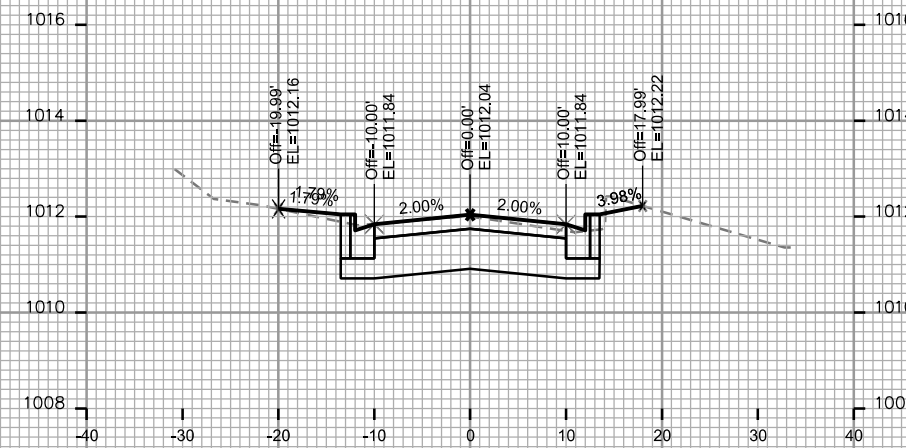
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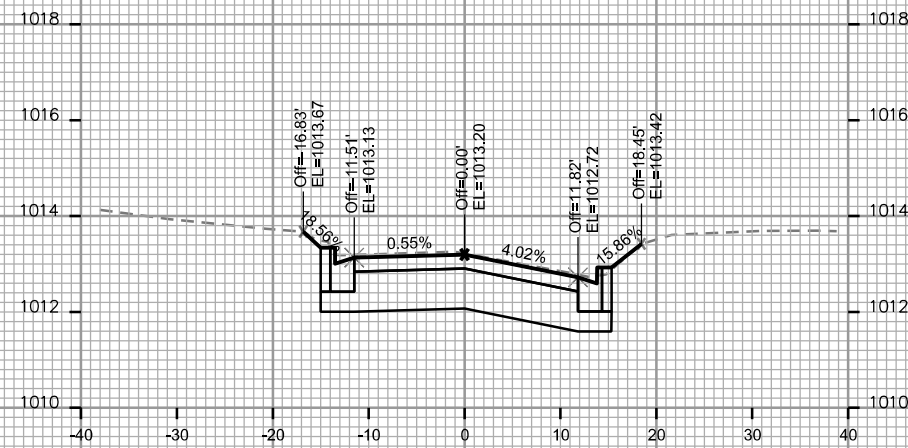
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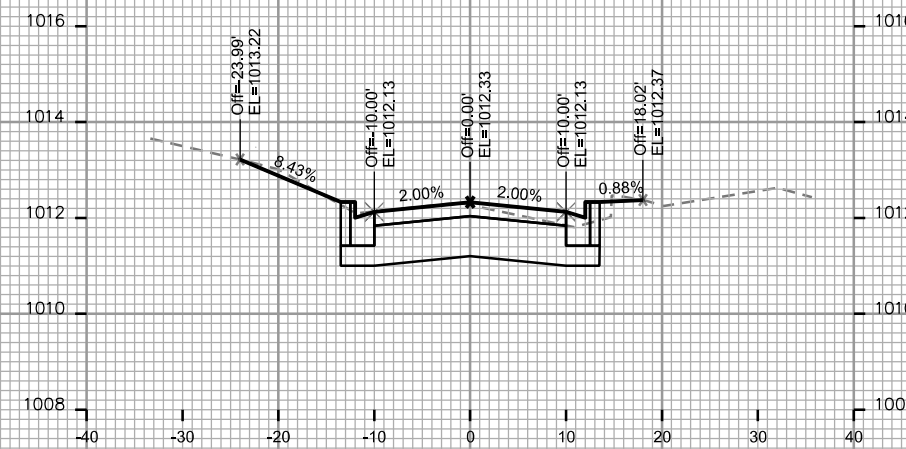
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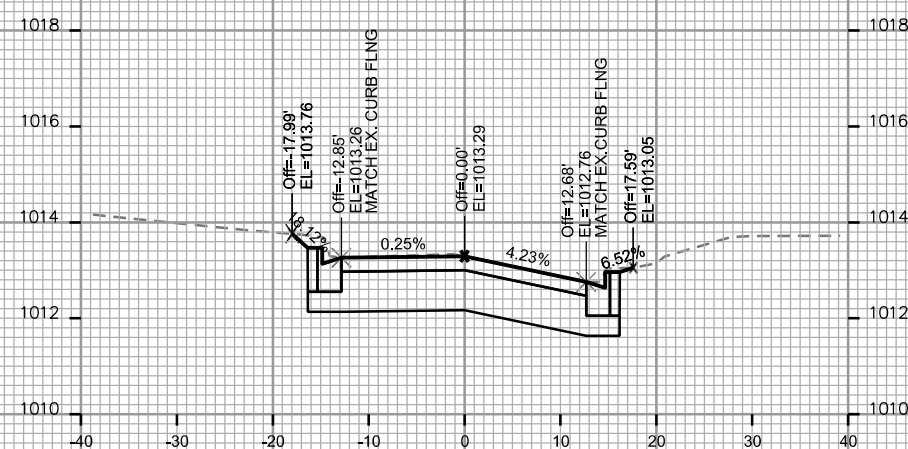
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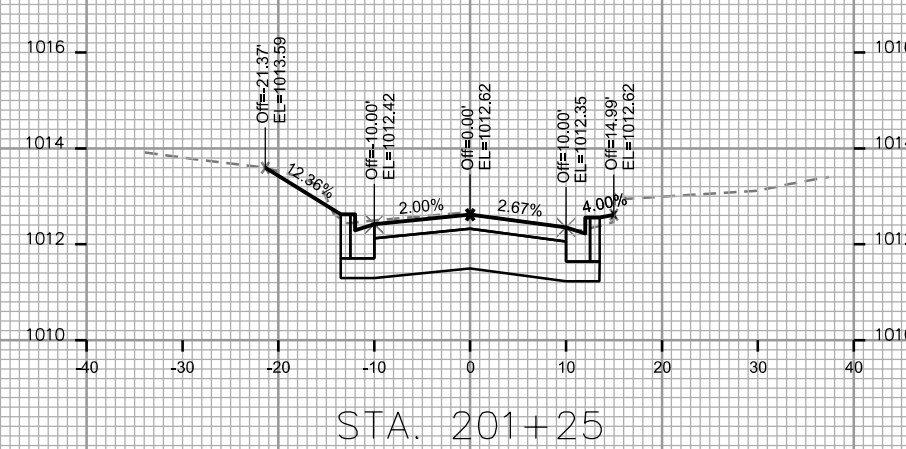
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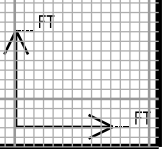
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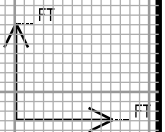
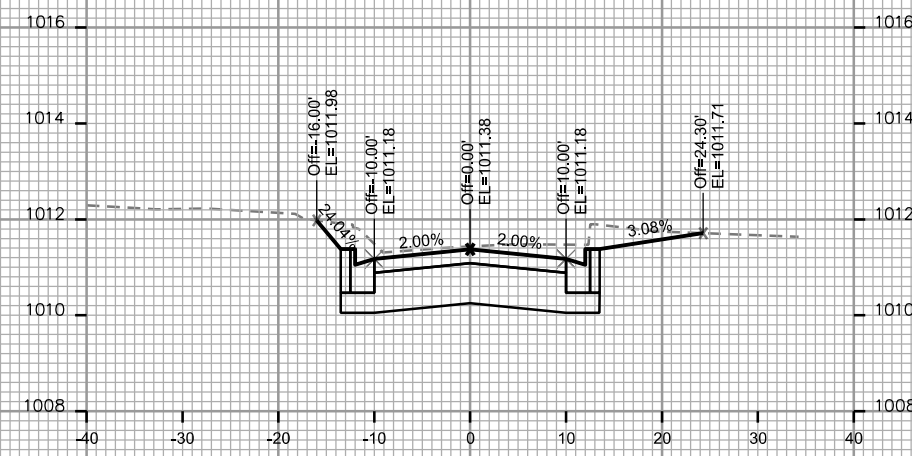
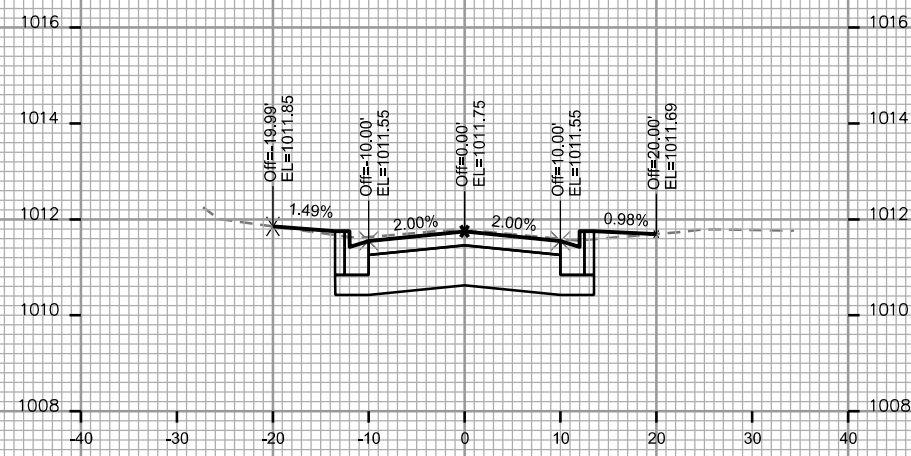
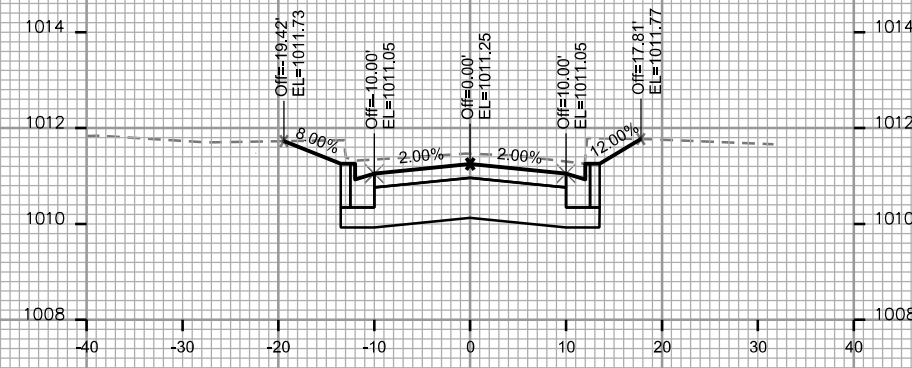
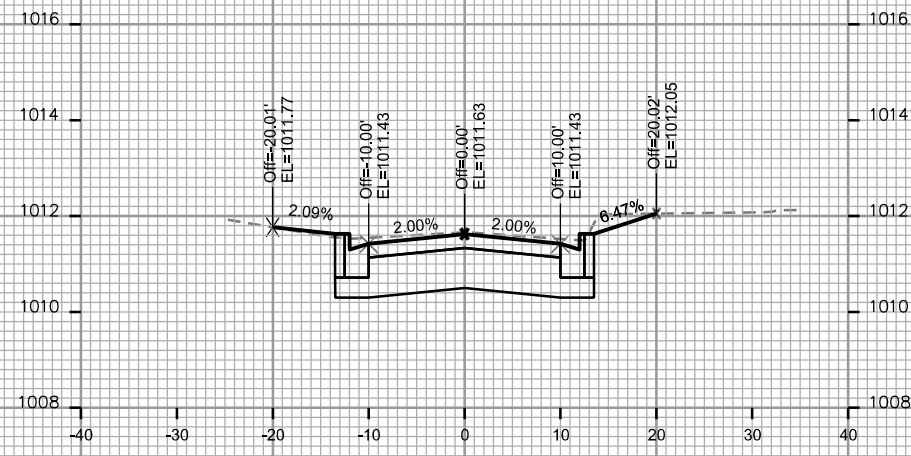
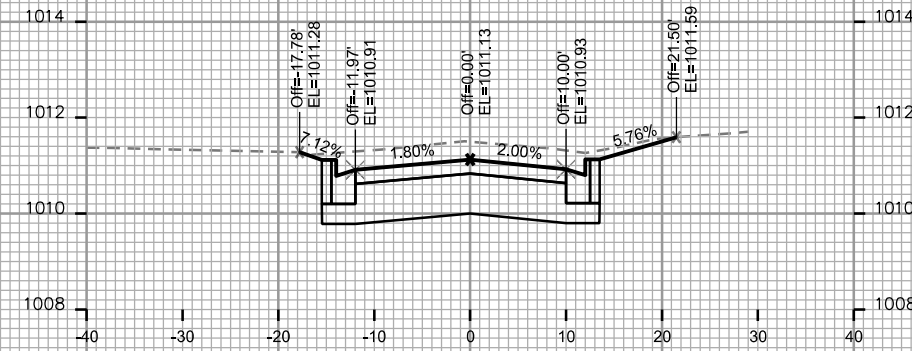
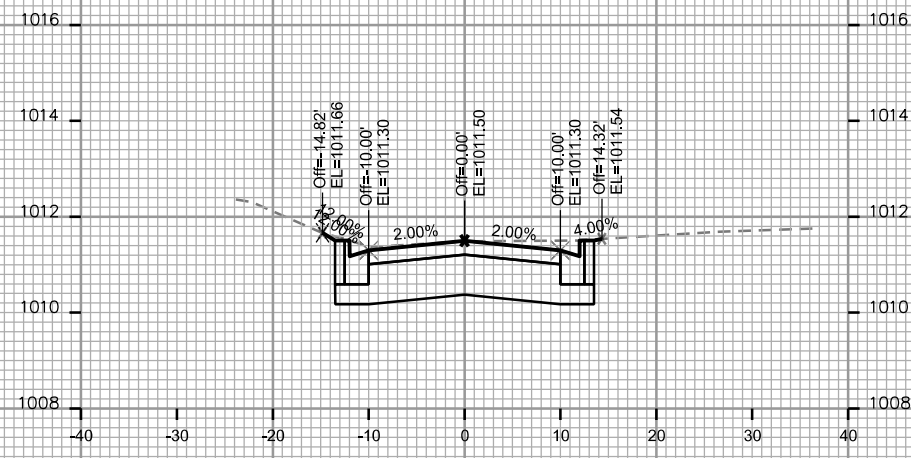
CITY OF MADISON

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CROSS SECTIONS

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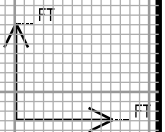
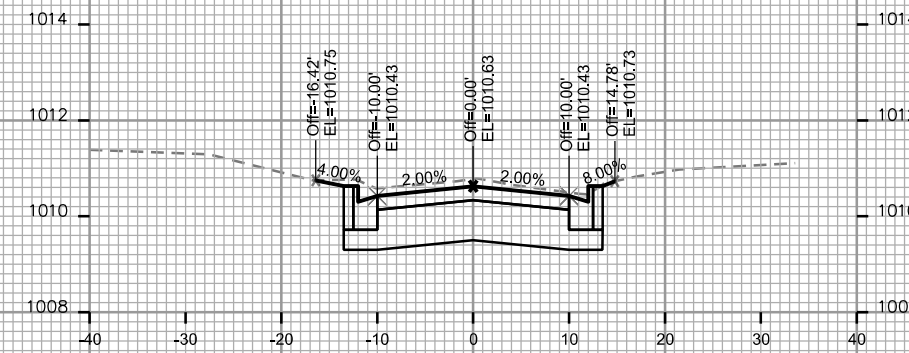
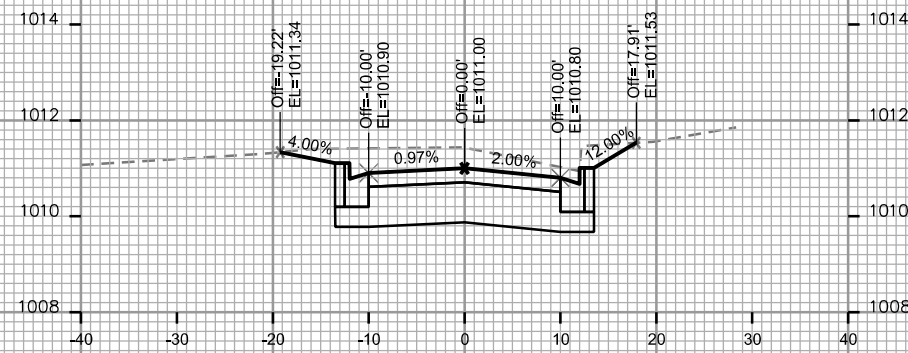
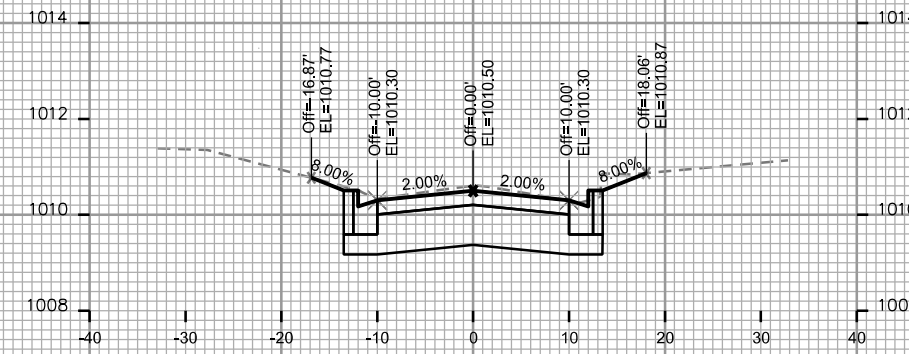
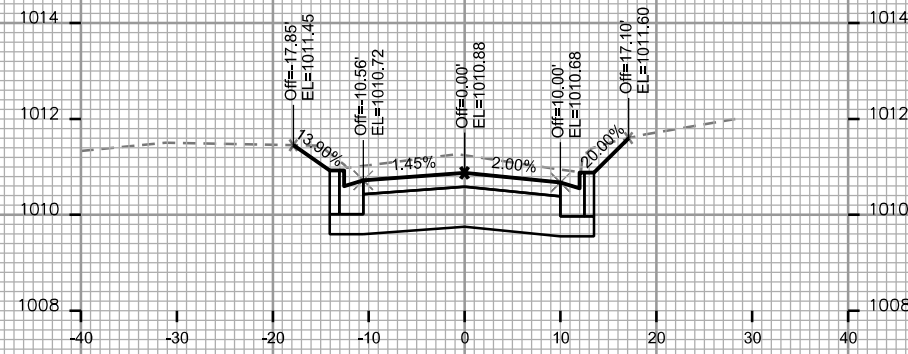
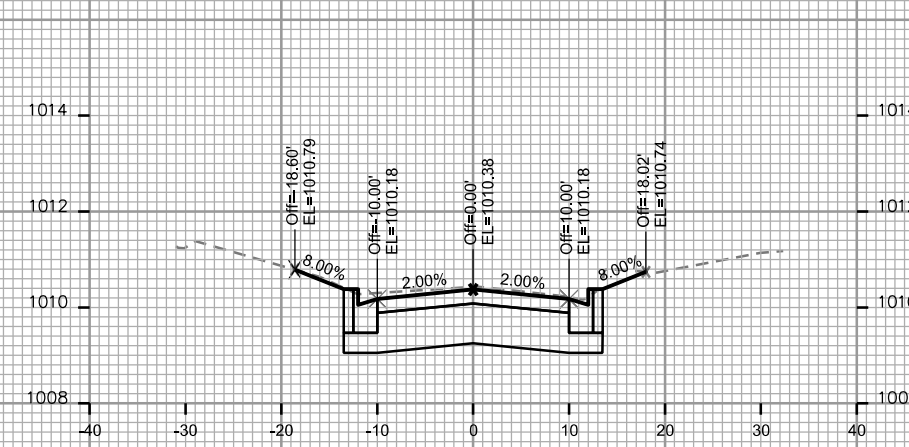
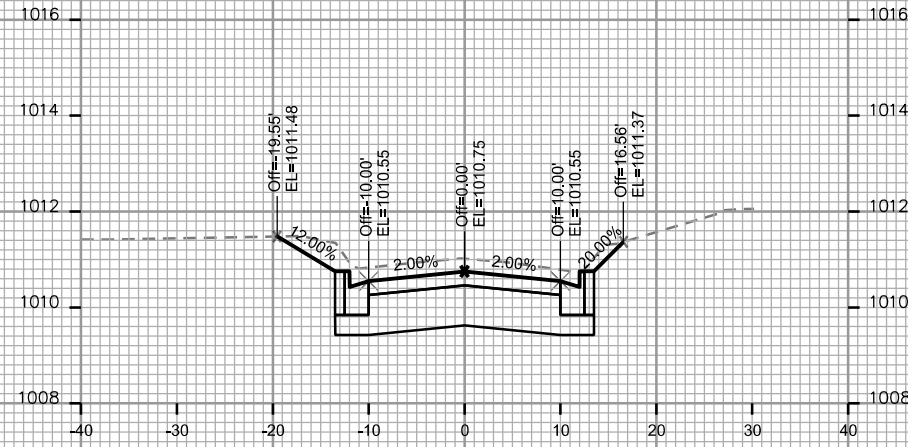
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

E SUNSET CT.

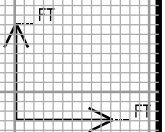
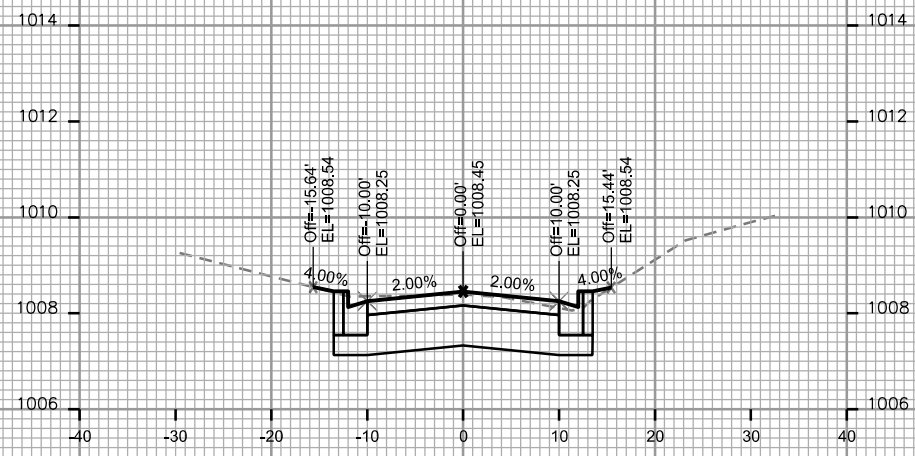
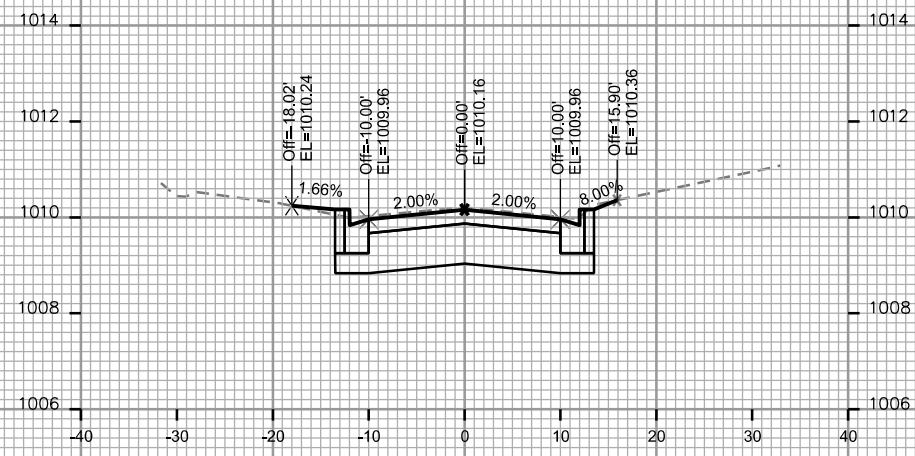
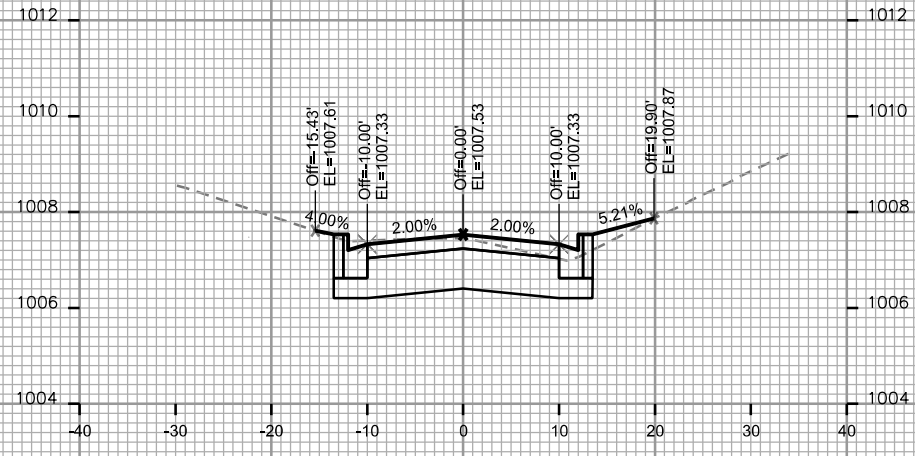
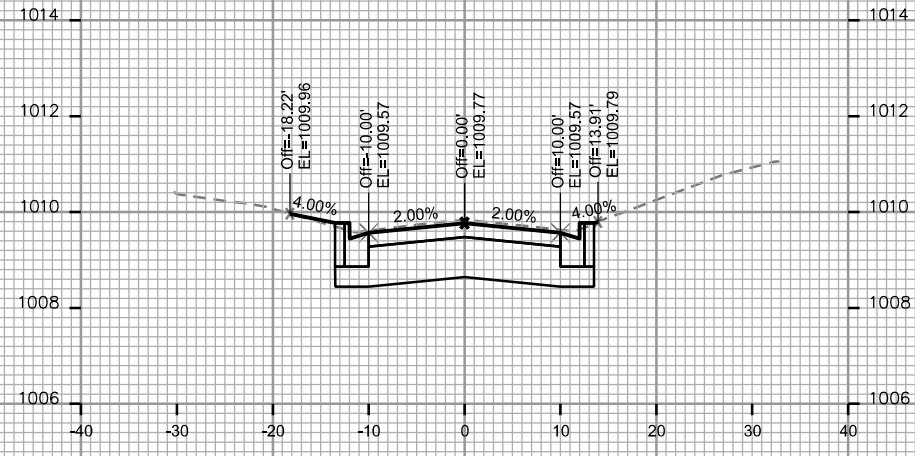
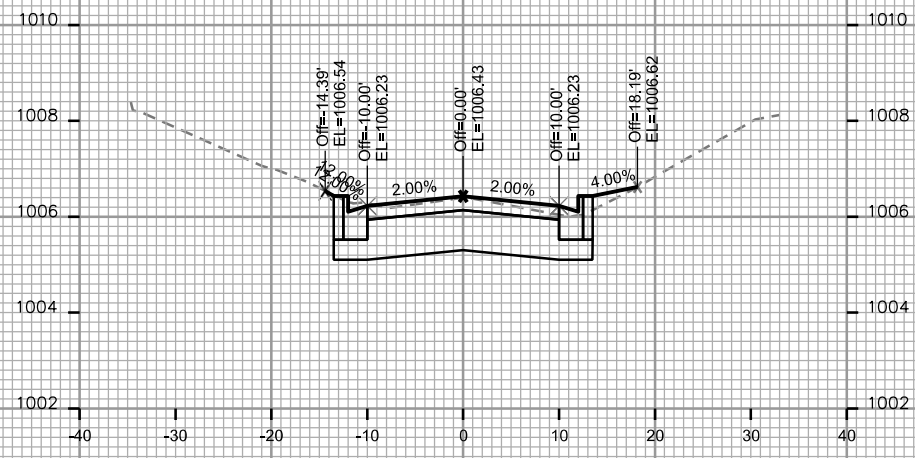
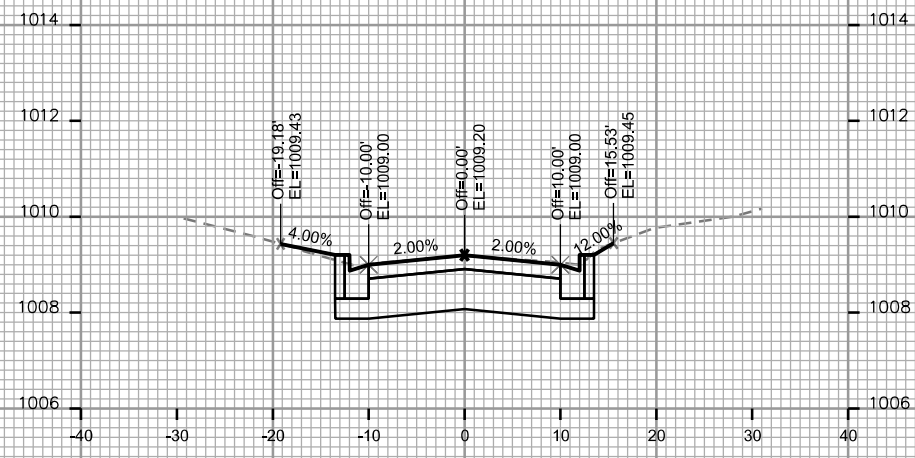
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

E SUNSET CT.

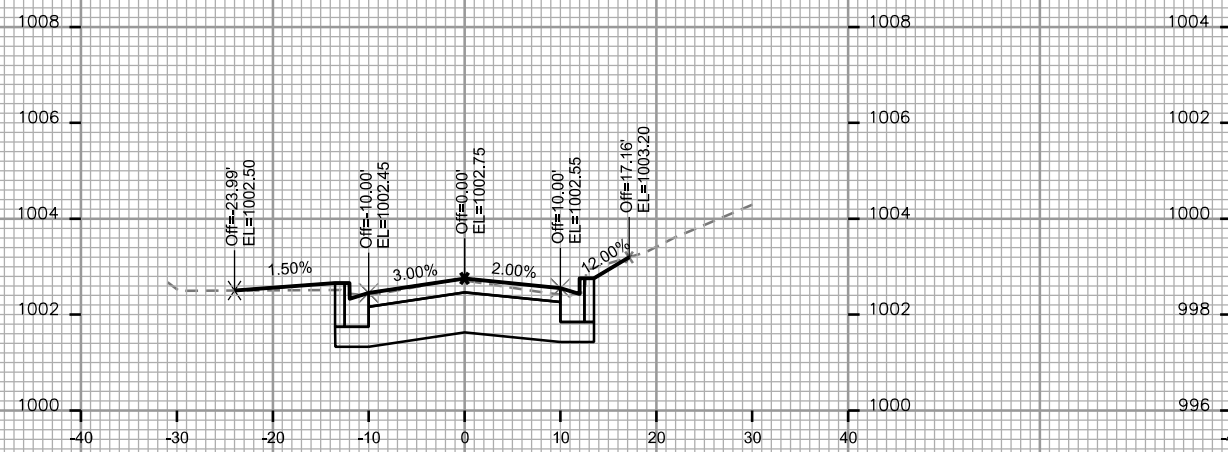
CITY OF MADISON

PLOT SCALE: _____

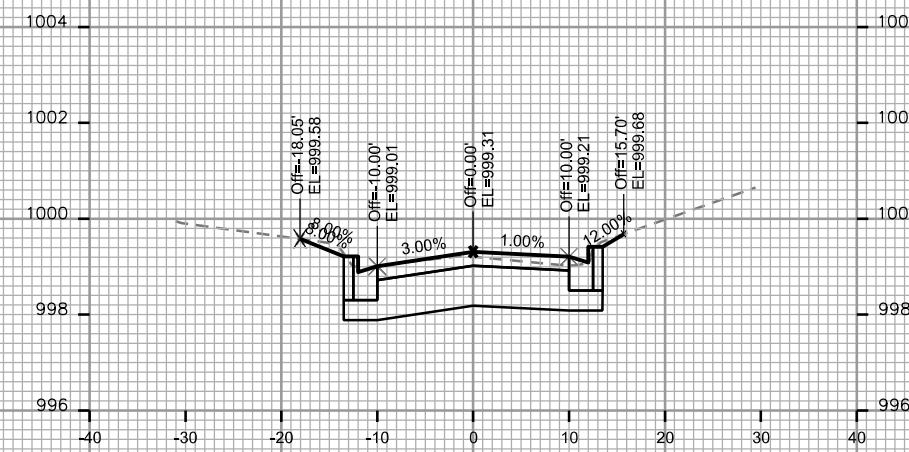
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REV. DATE: _____

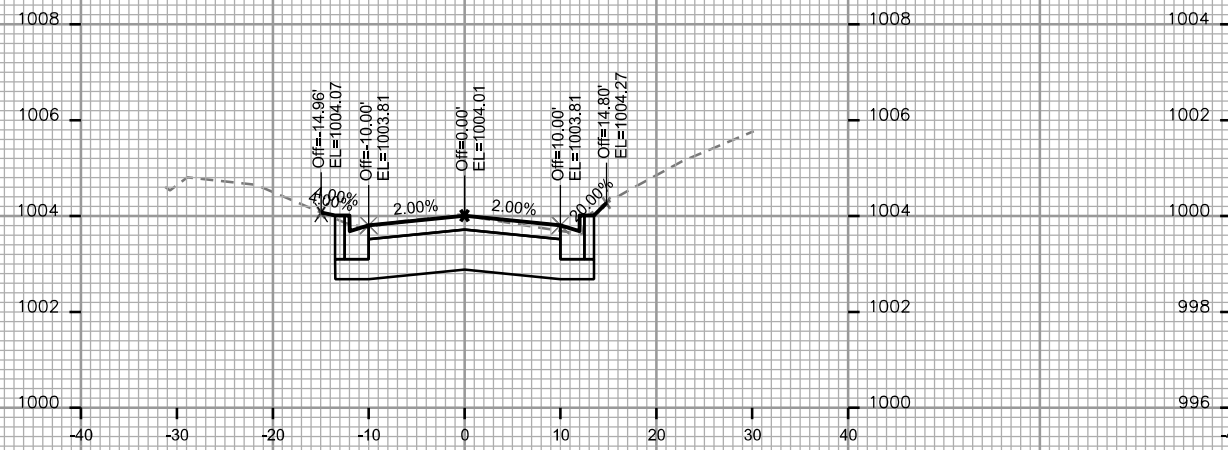
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



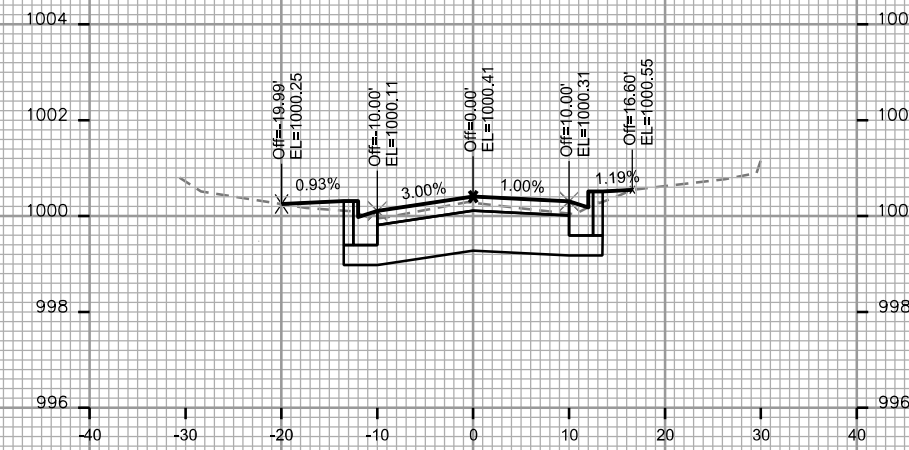
STA. 207+00



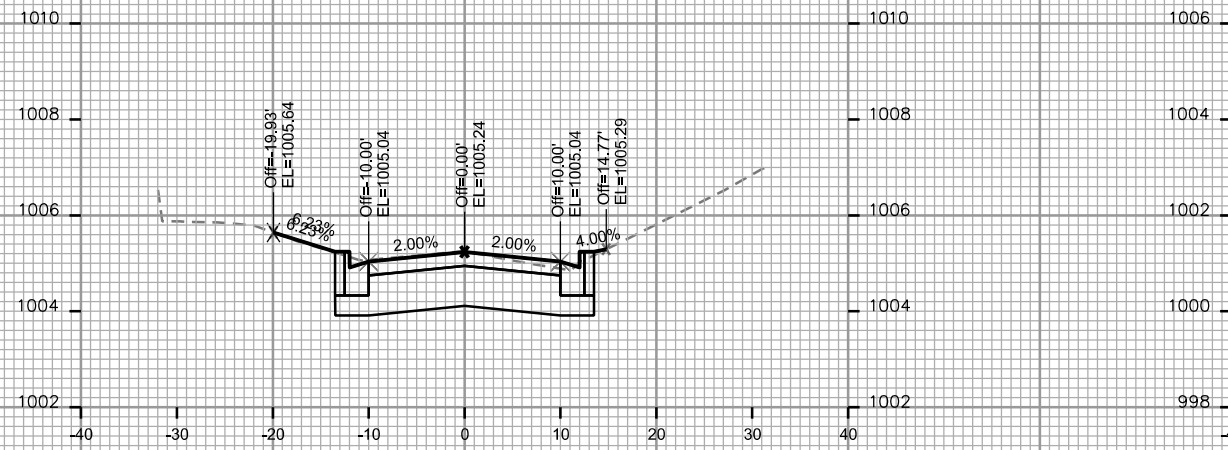
STA. 207+75



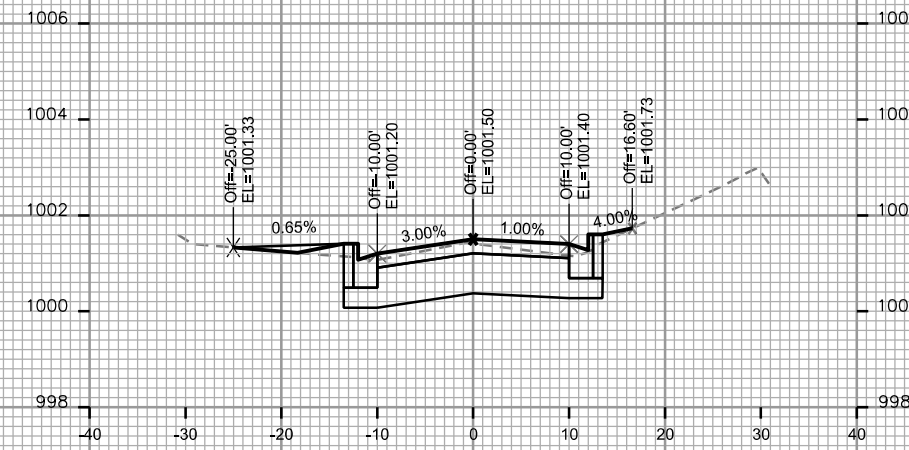
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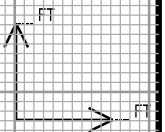
STA. 207+50



STA. 206+50



STA. 207+25



CROSS SECTIONS

E SUNSET CT.

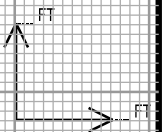
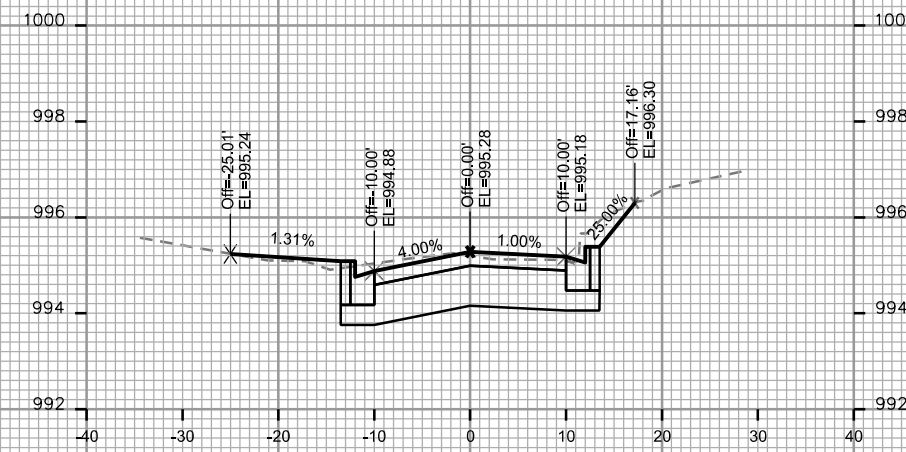
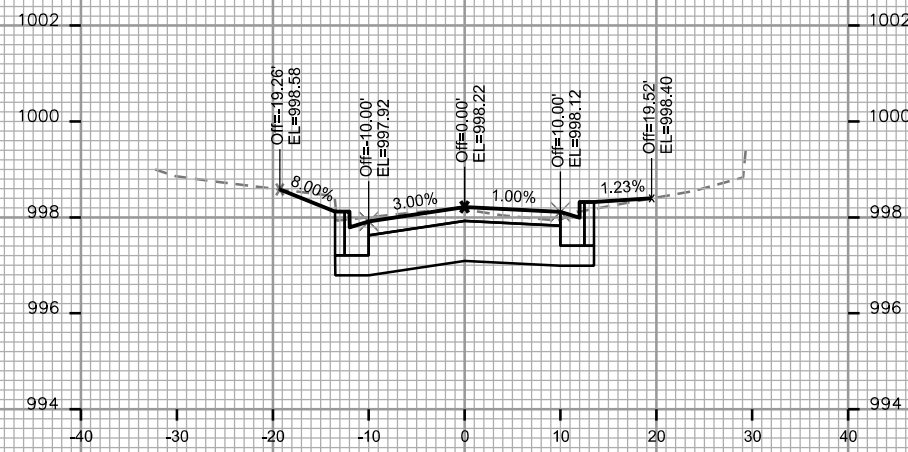
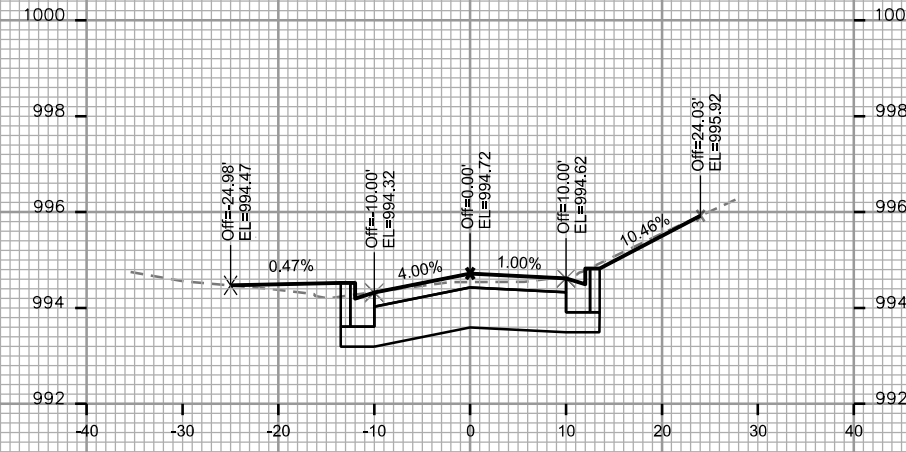
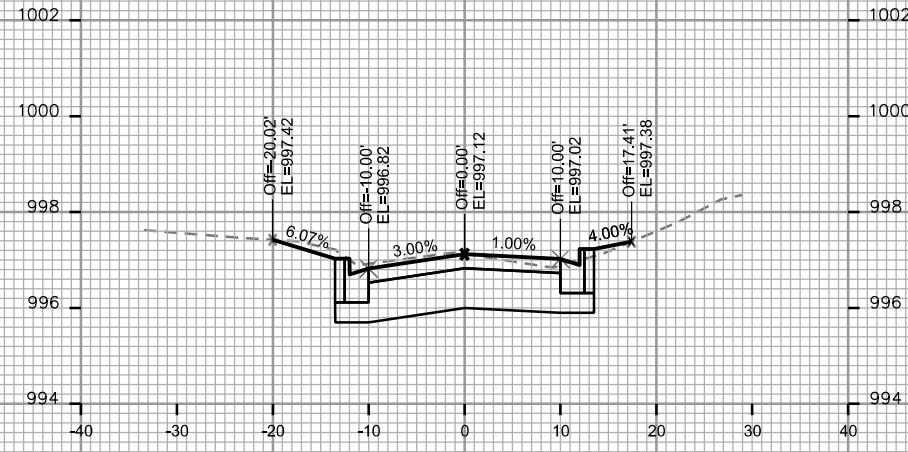
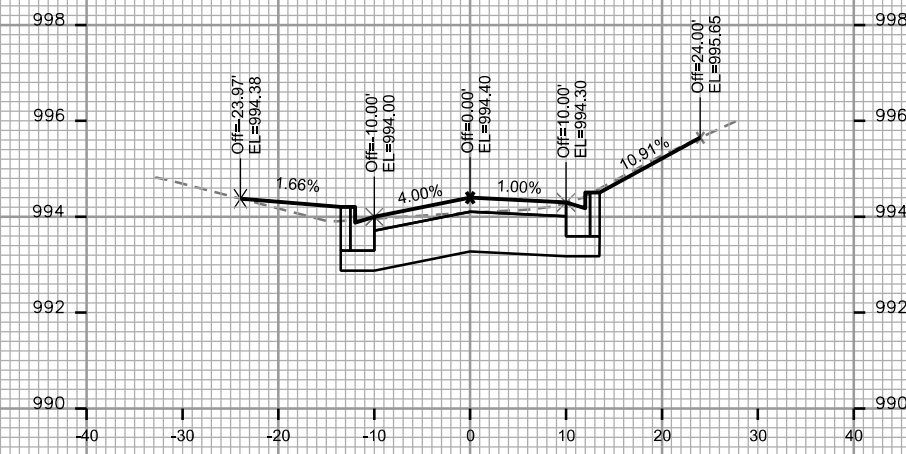
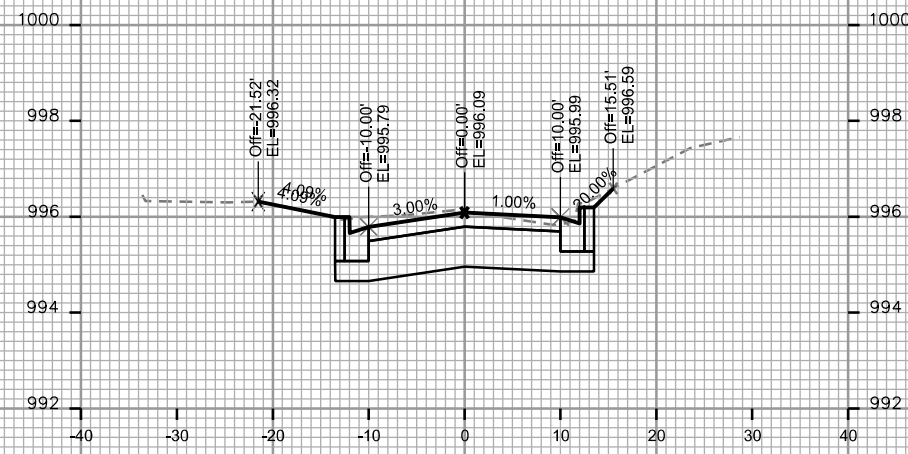
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

E SUNSET CT.

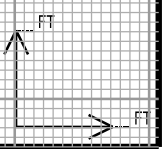
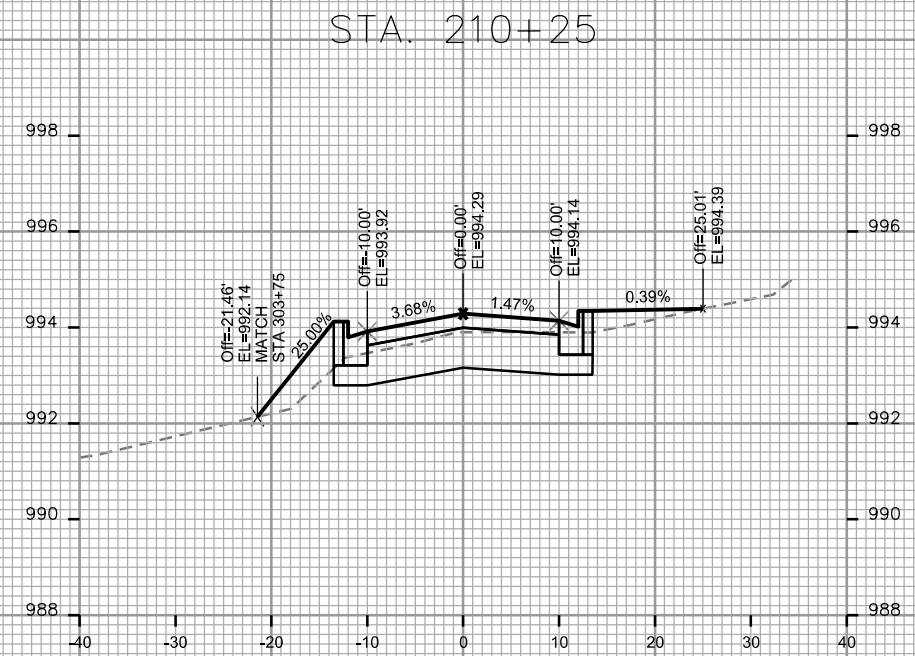
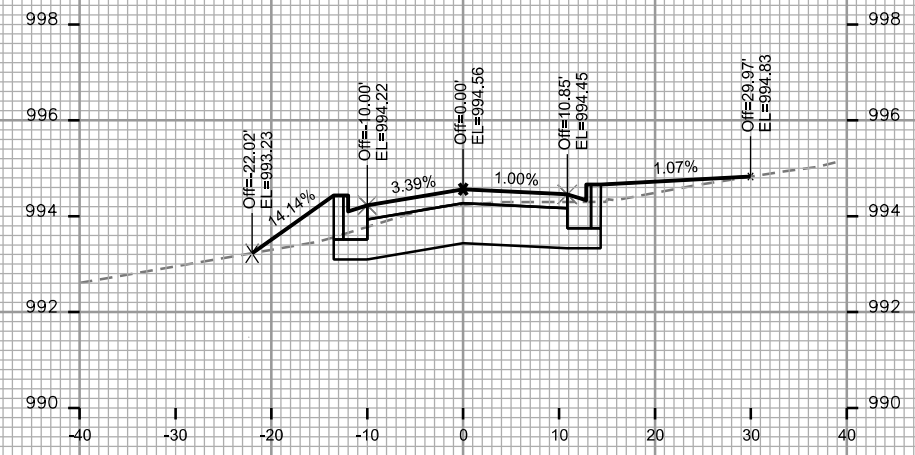
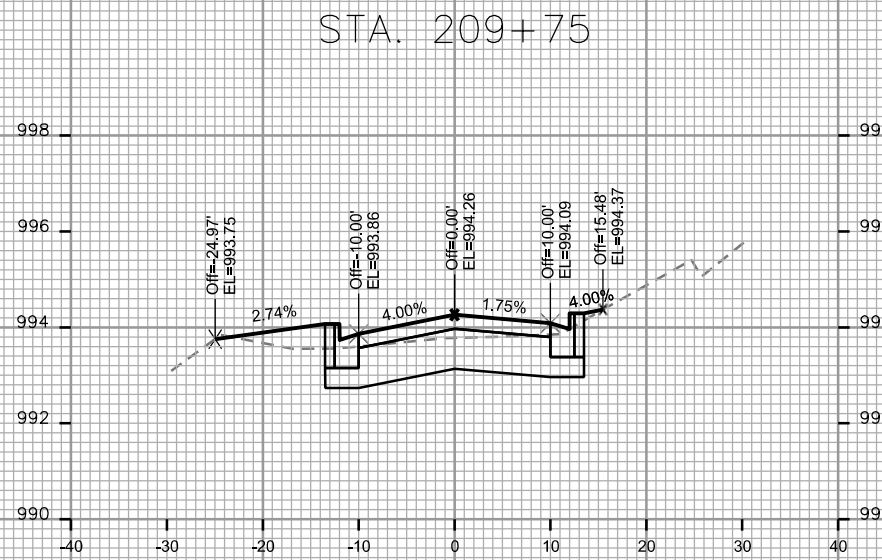
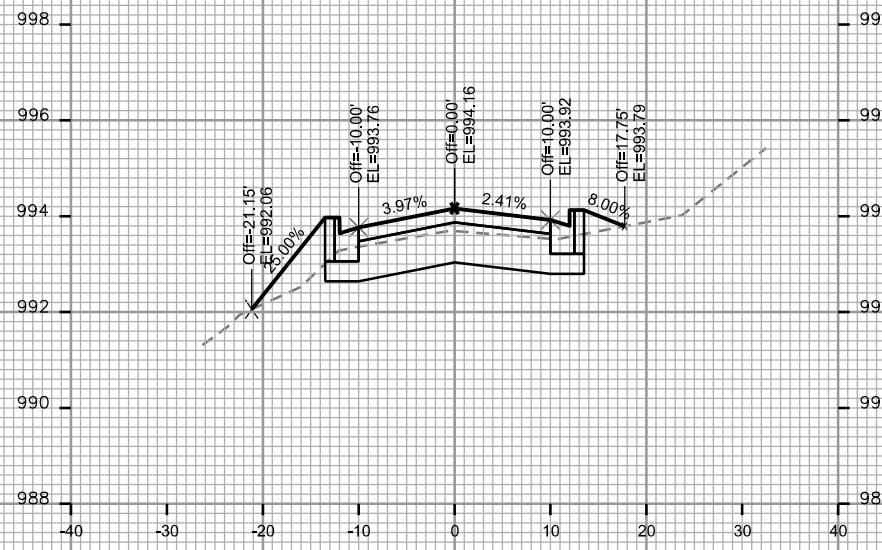
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

W SUNSET CT.

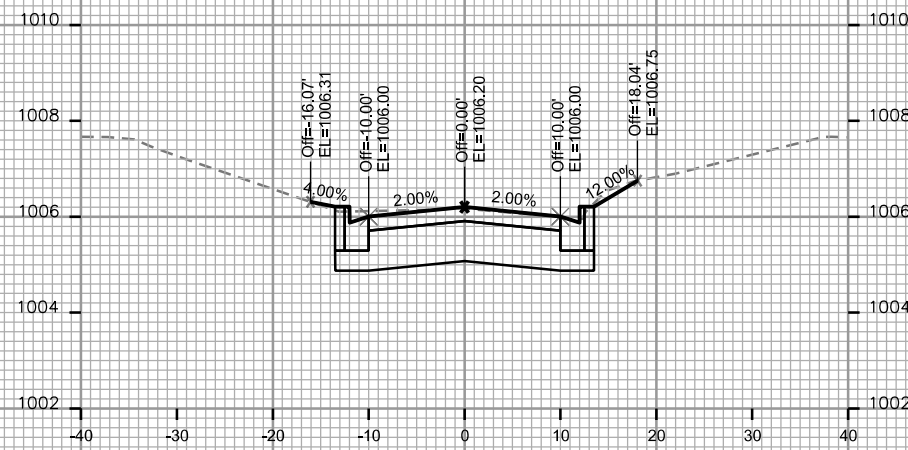
CITY OF MADISON

PLOT SCALE: _____

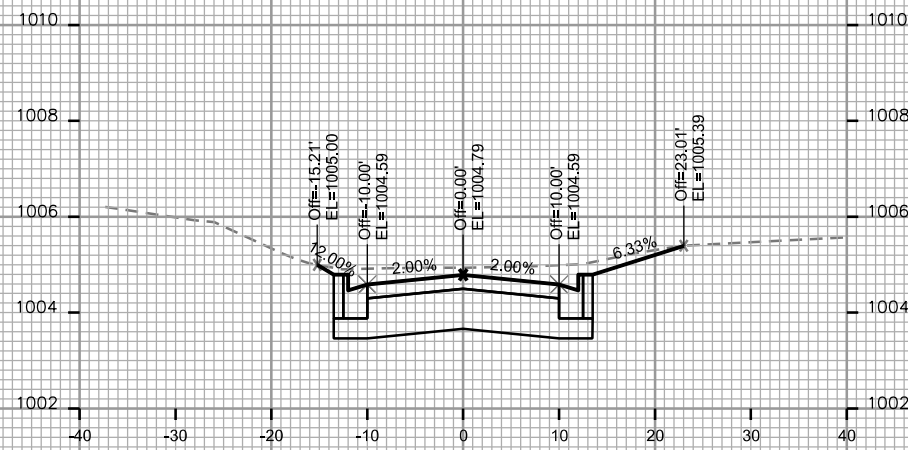
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REV. DATE: _____

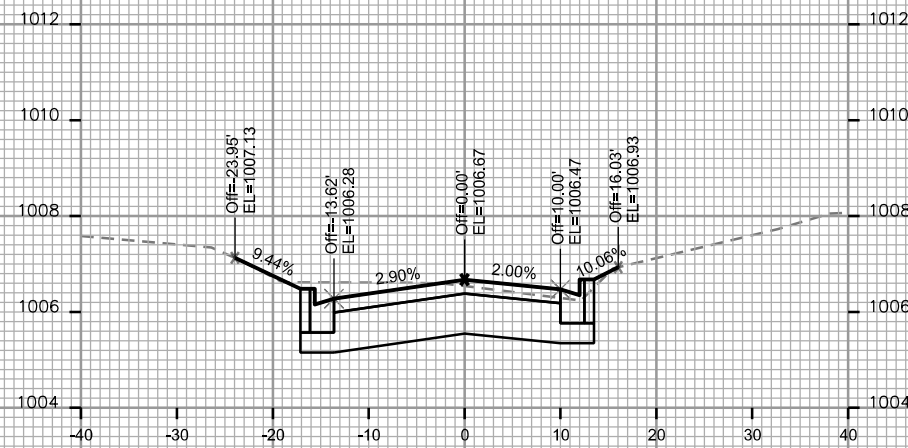
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



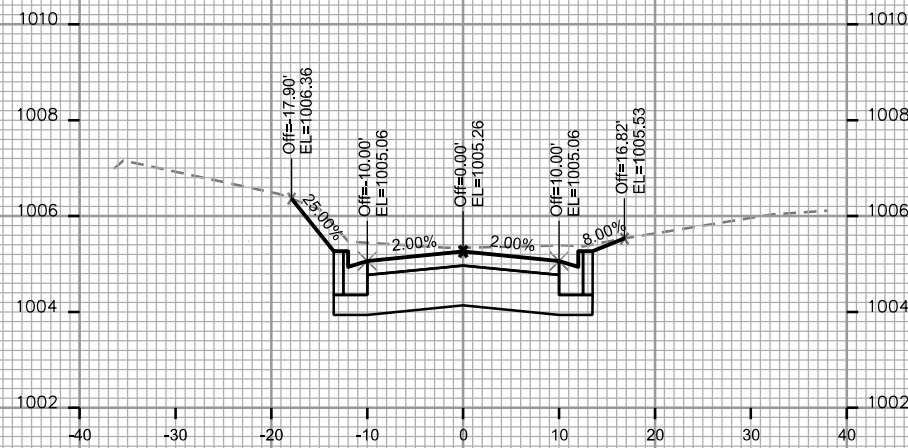
STA. 101+50



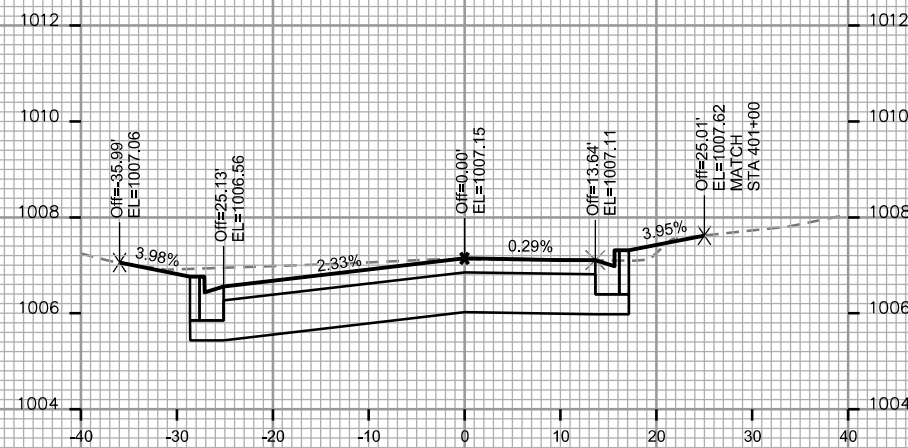
STA. 102+25



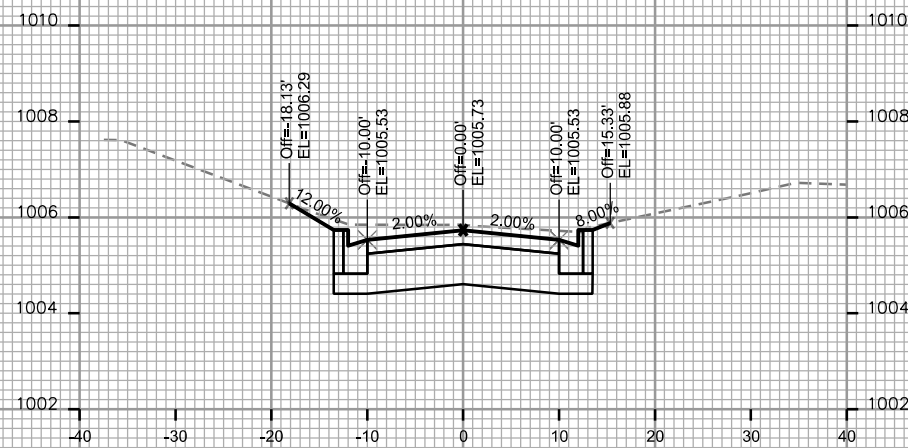
STA. 101+25



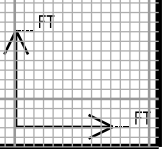
STA. 102+00



STA. 101+00



STA. 101+75



CROSS SECTIONS

W SUNSET CT.

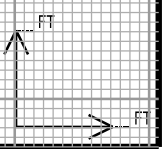
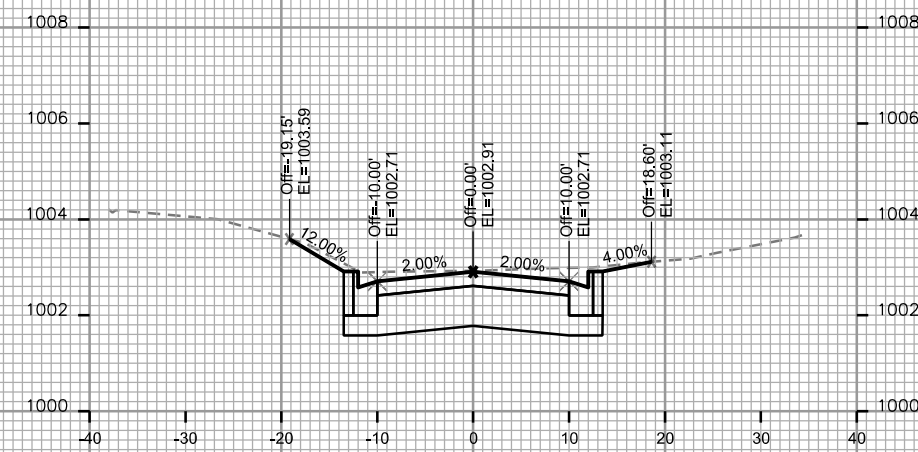
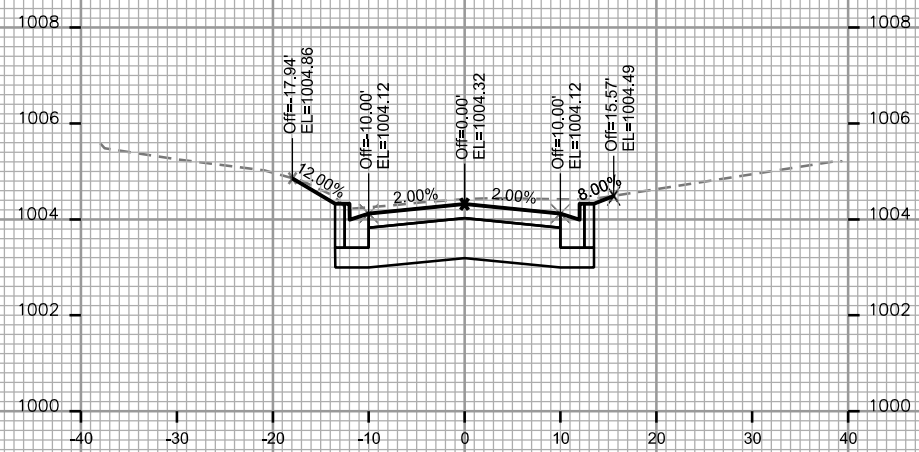
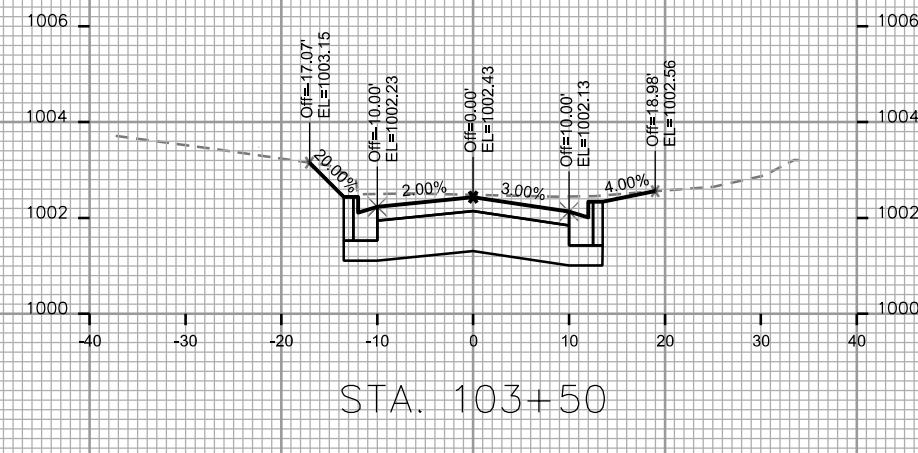
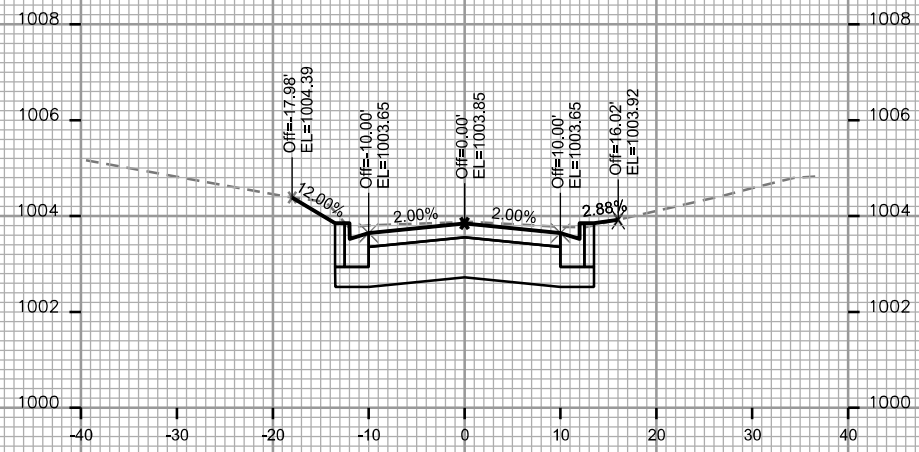
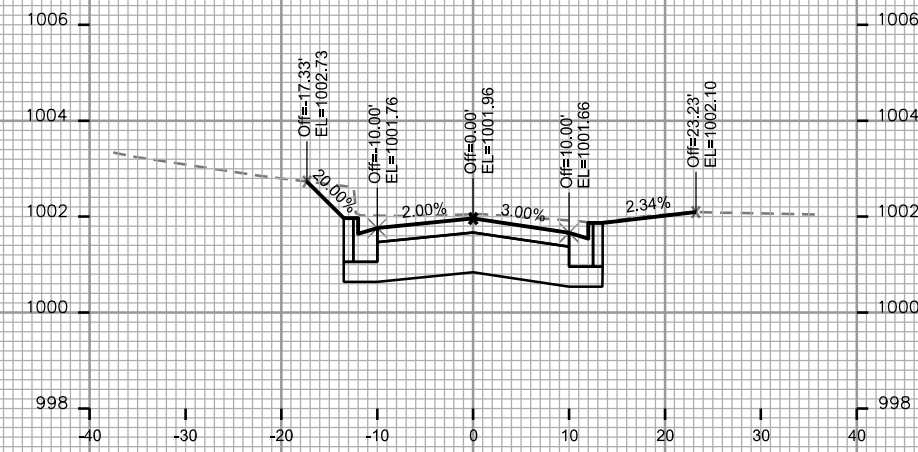
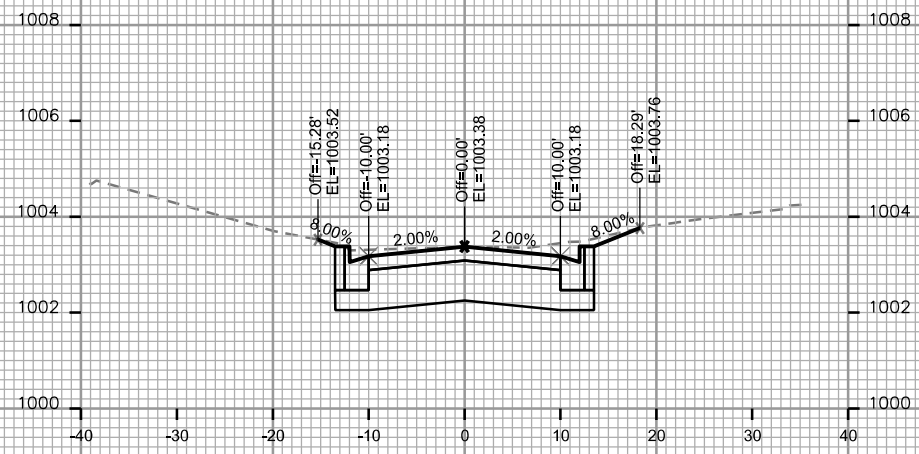
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

W SUNSET CT.

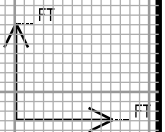
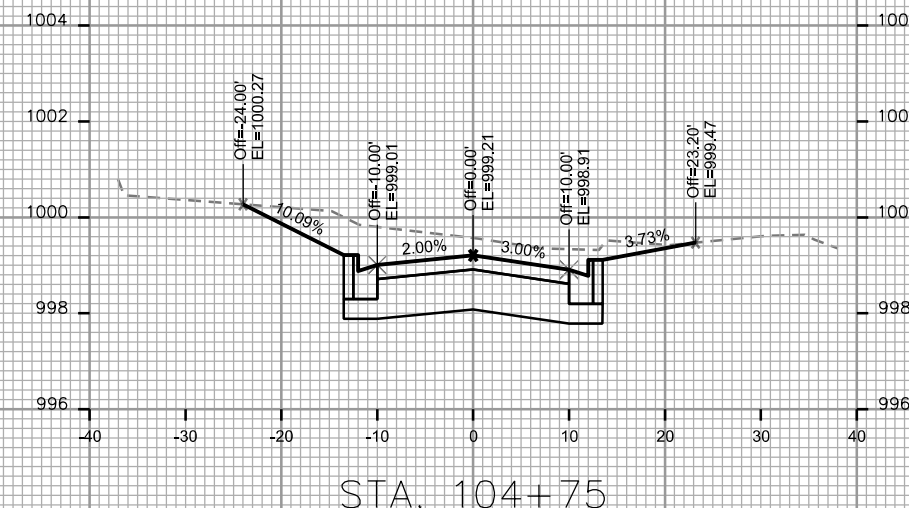
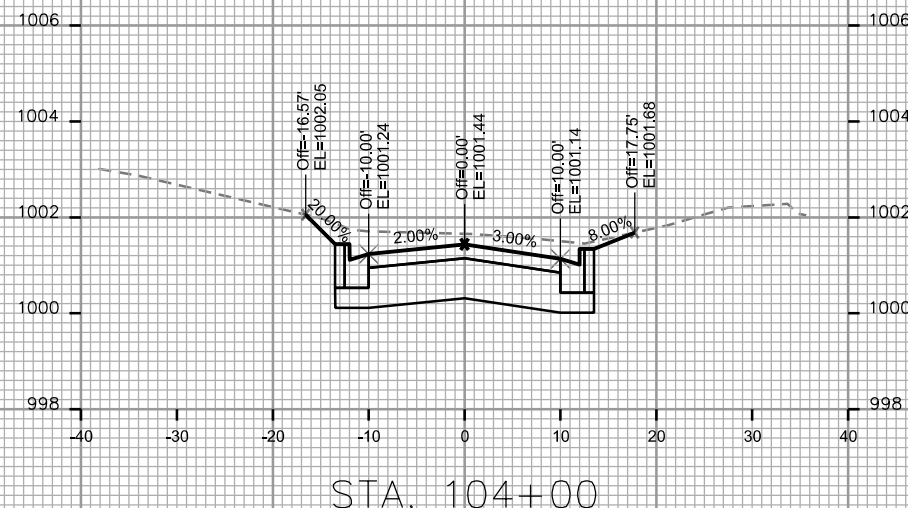
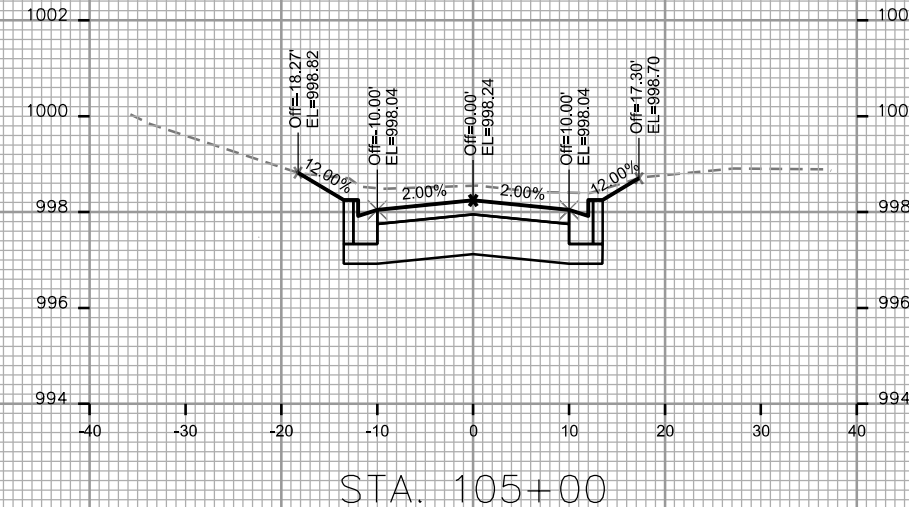
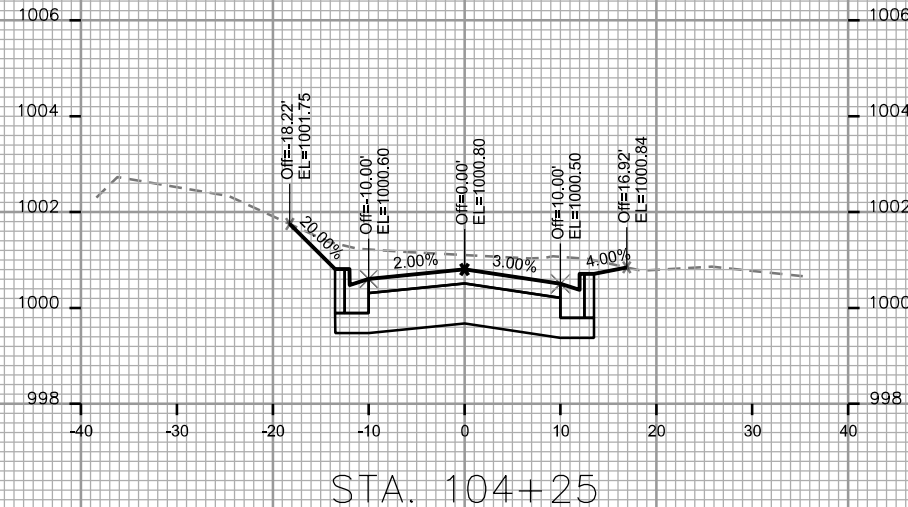
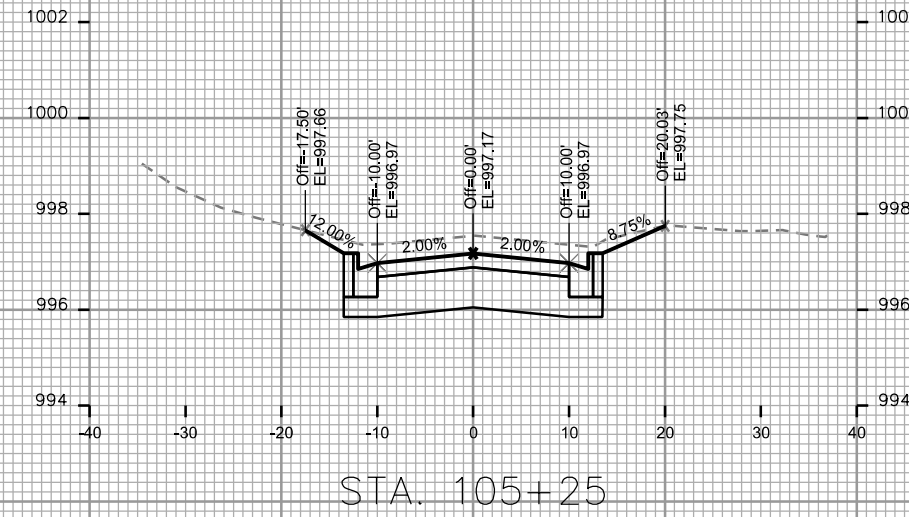
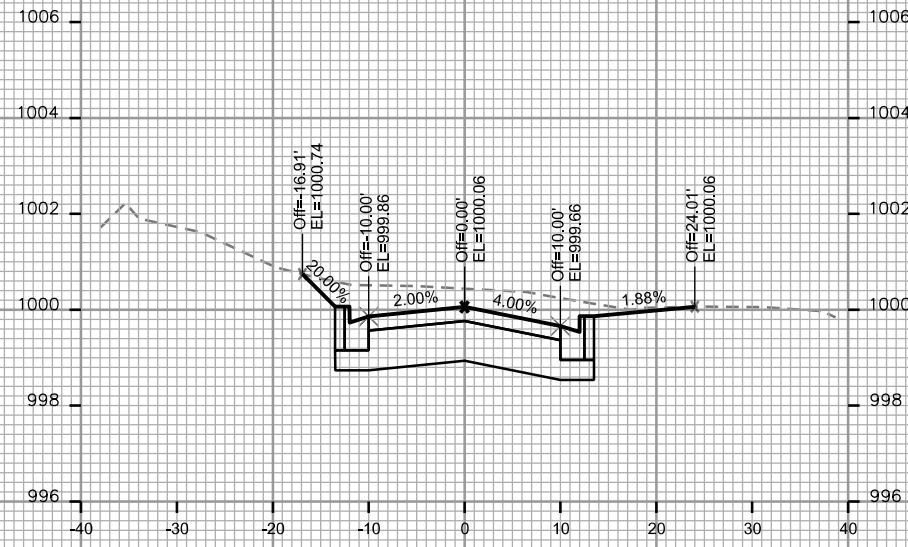
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

W SUNSET CT.

CITY OF MADISON

PLOT SCALE: _____

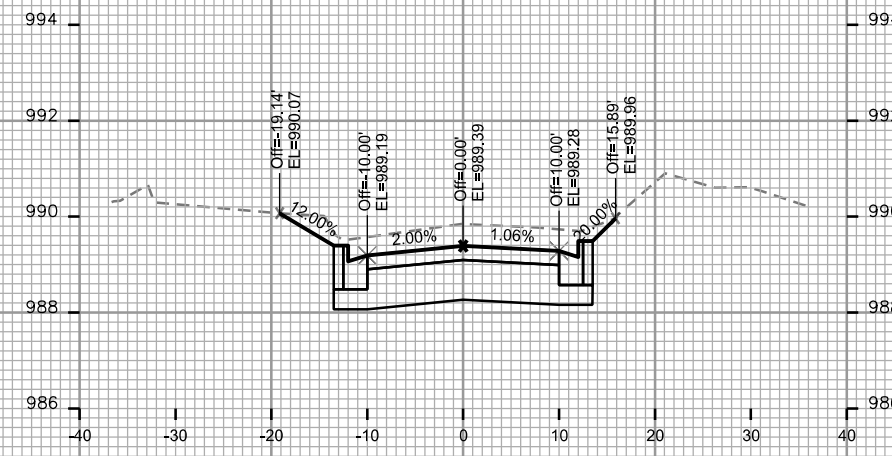
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REV. DATE: _____

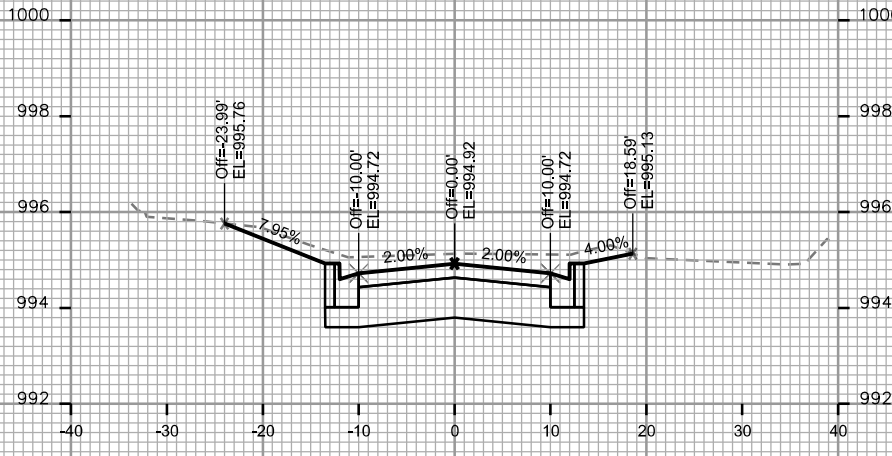
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



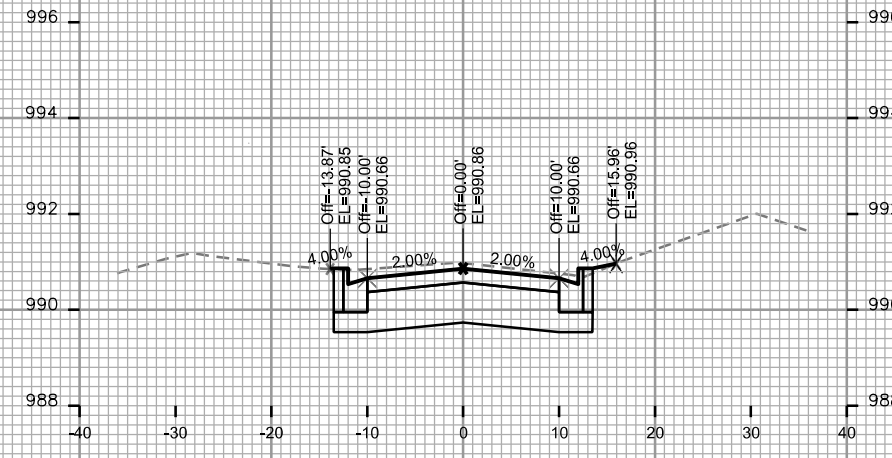
STA. 106+00



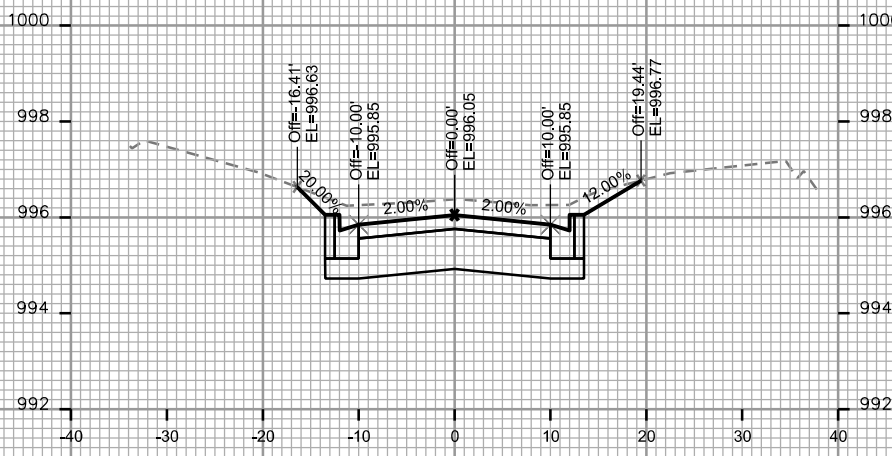
STA. 106+75



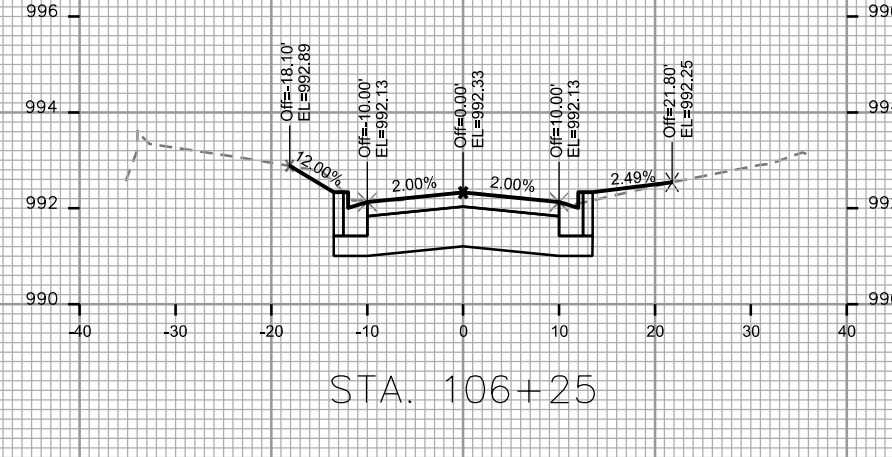
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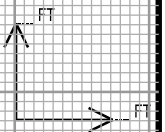
STA. 106+50



STA. 105+50



STA. 106+25



CROSS SECTIONS

W SUNSET CT.

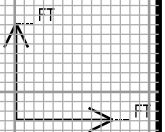
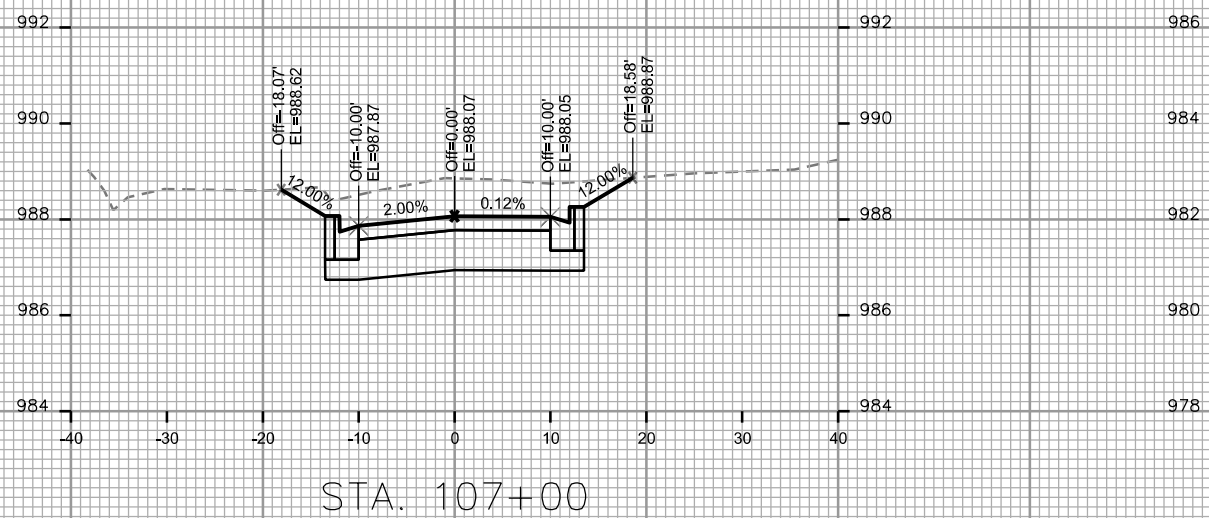
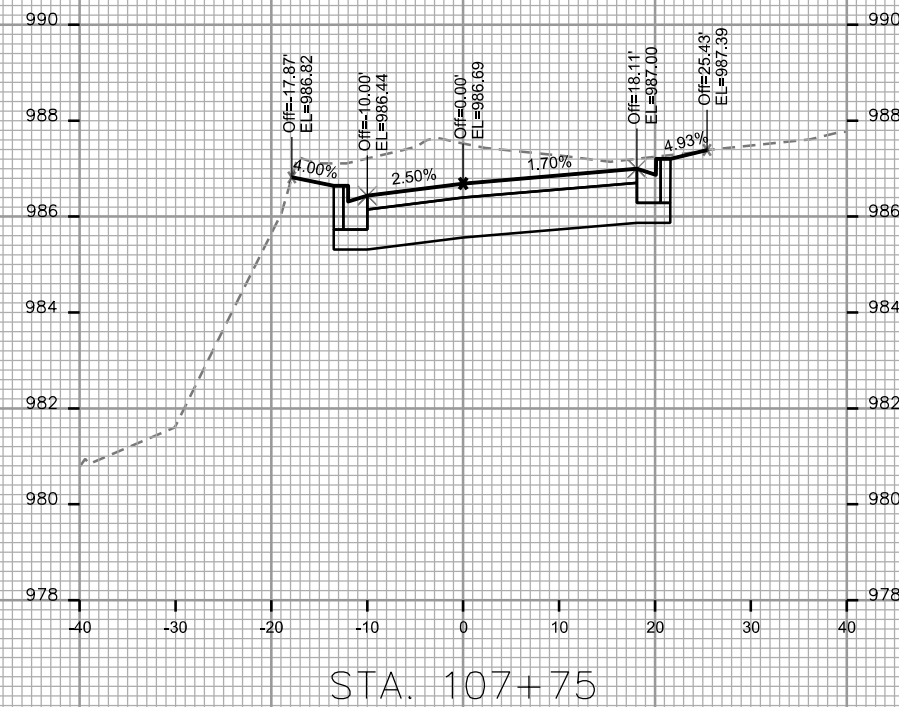
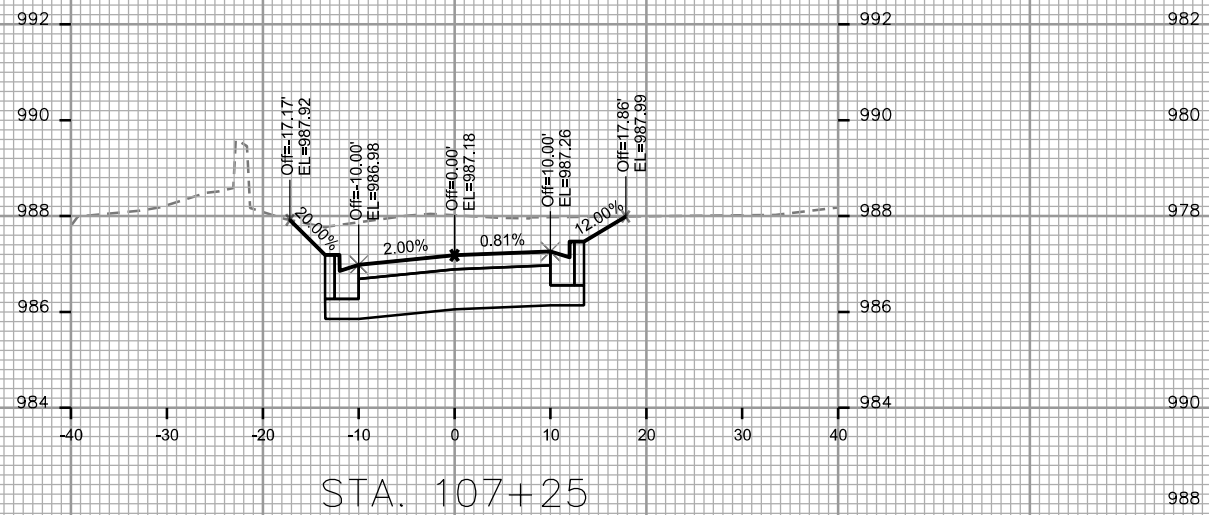
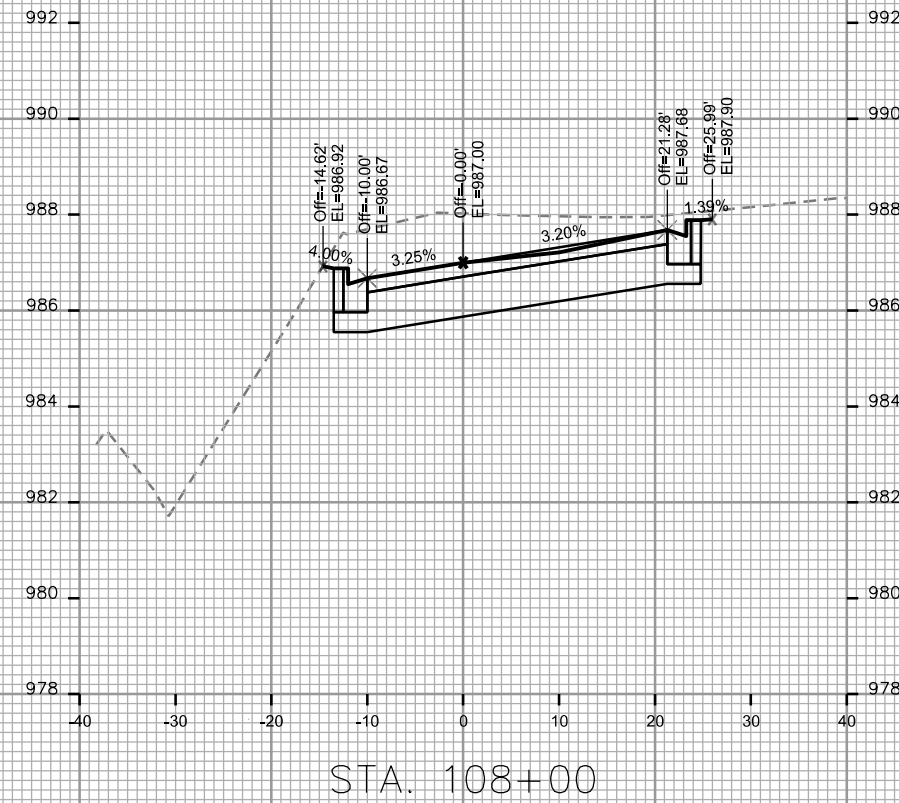
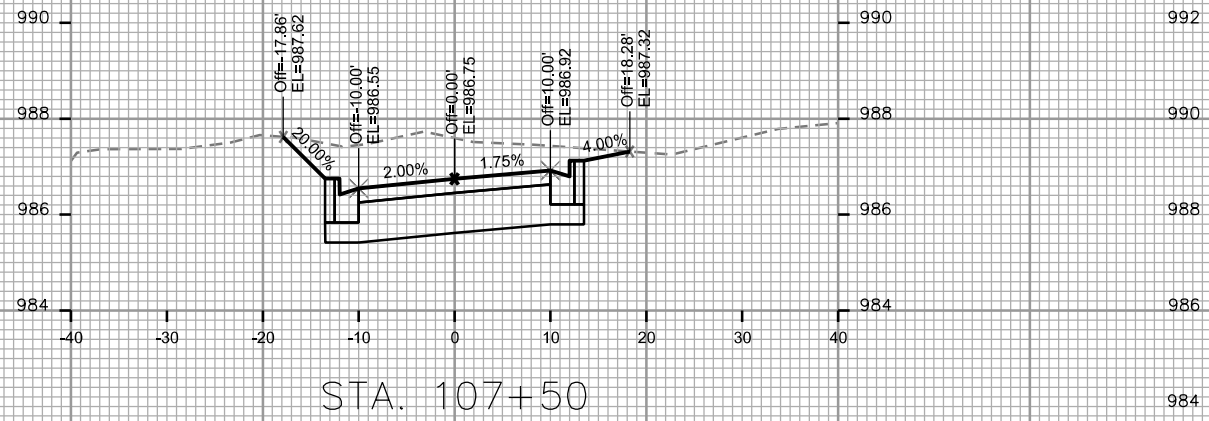
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

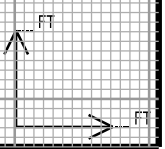
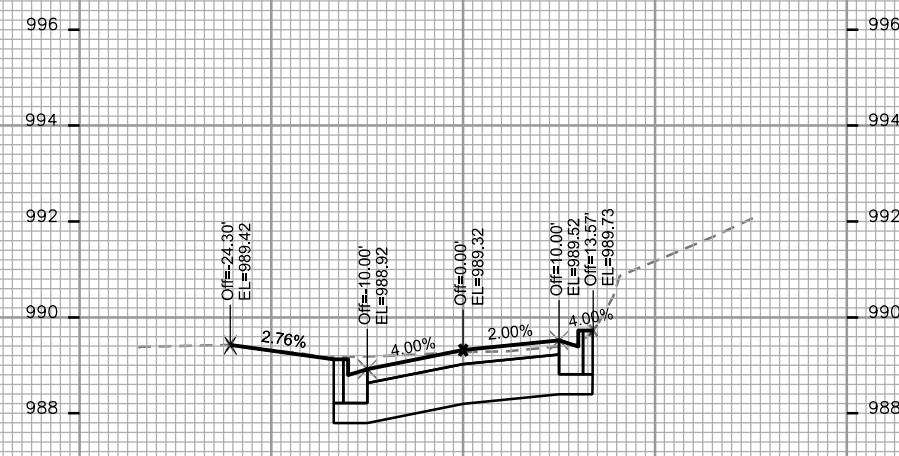
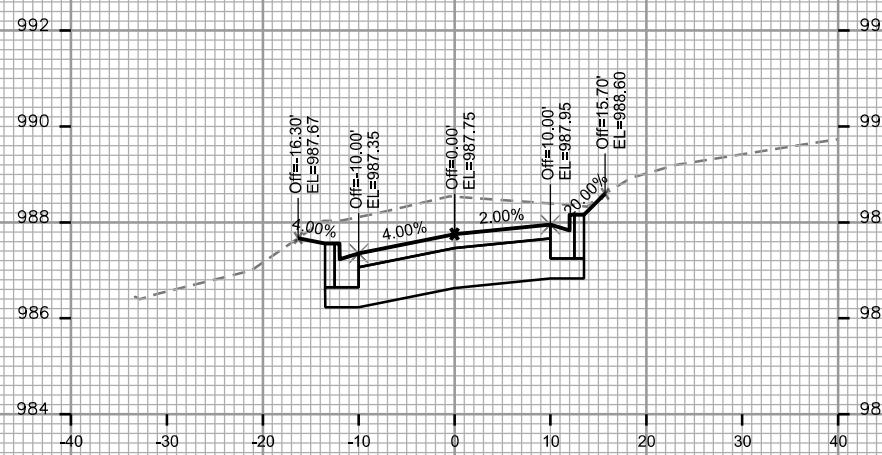
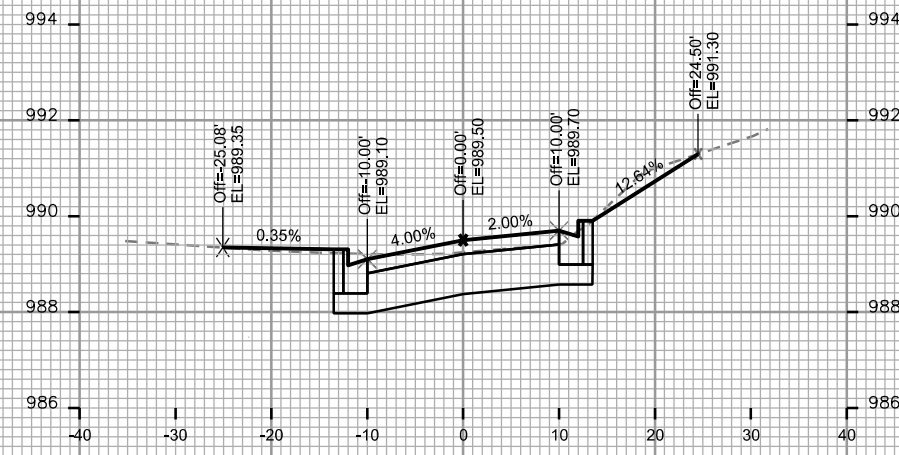
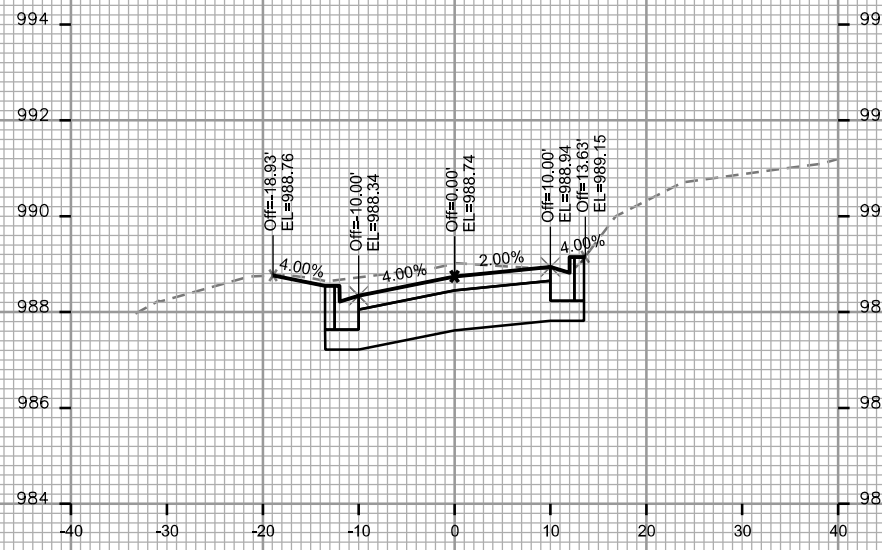
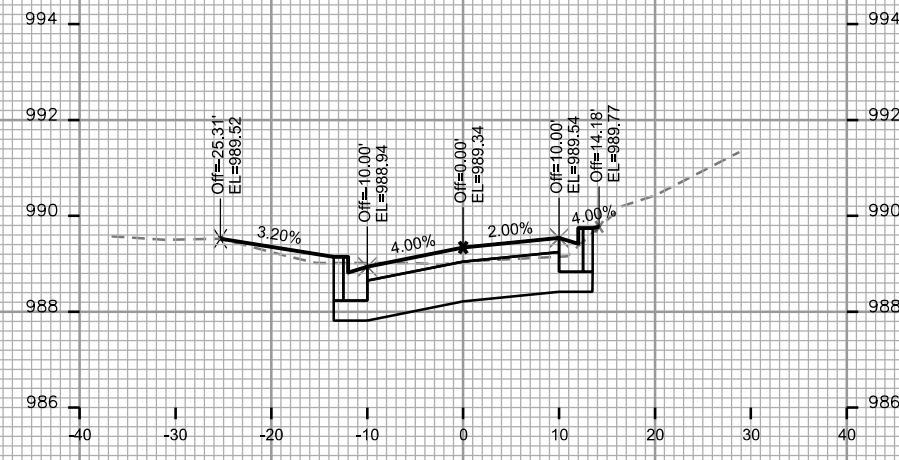
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

W SUNSET CT.

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

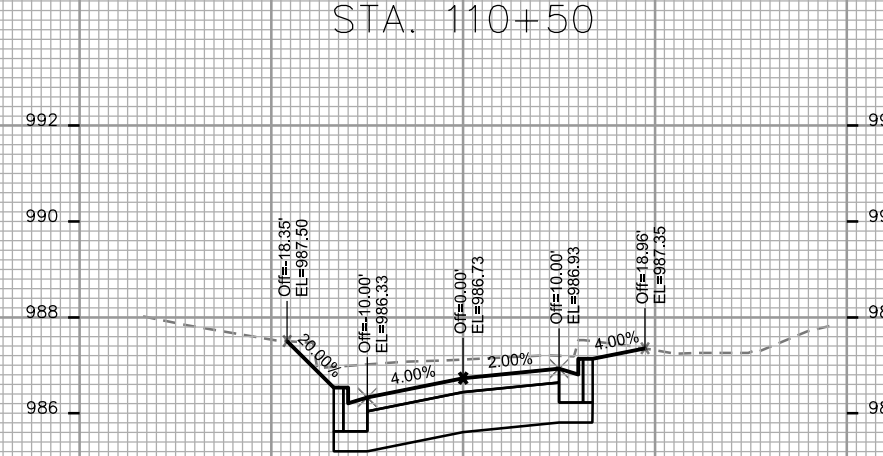
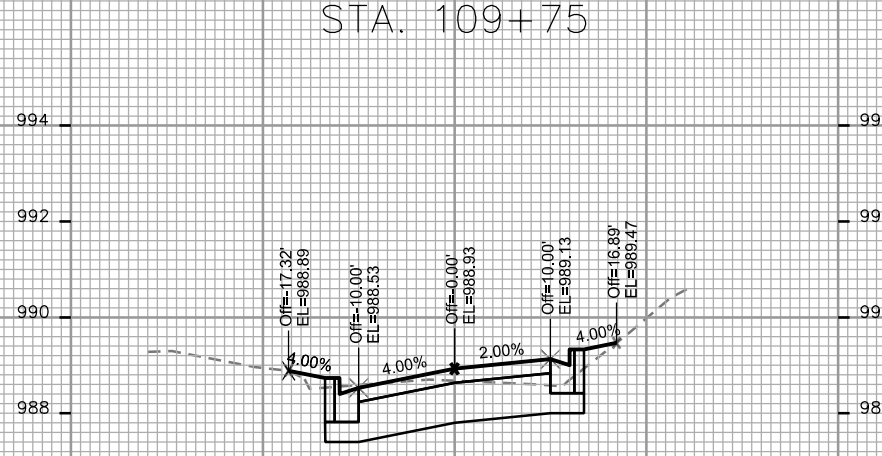
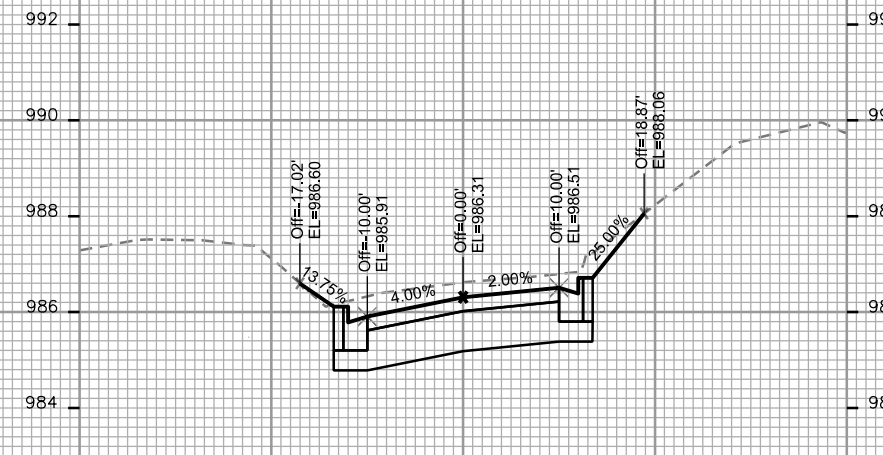
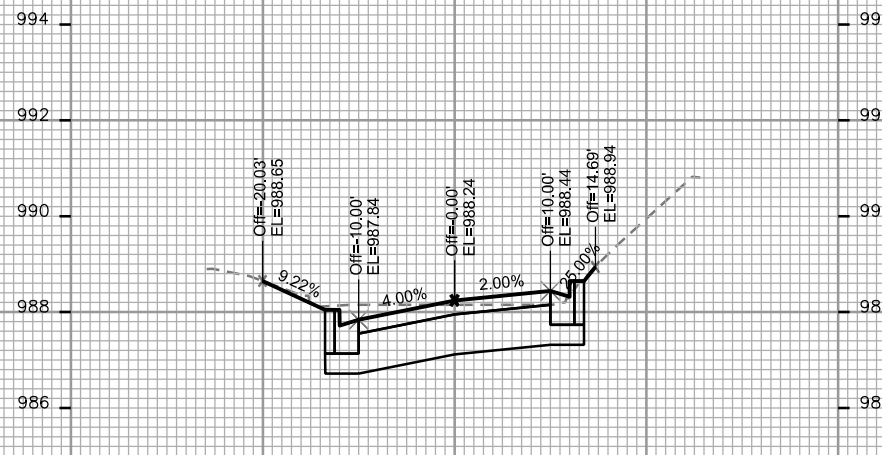
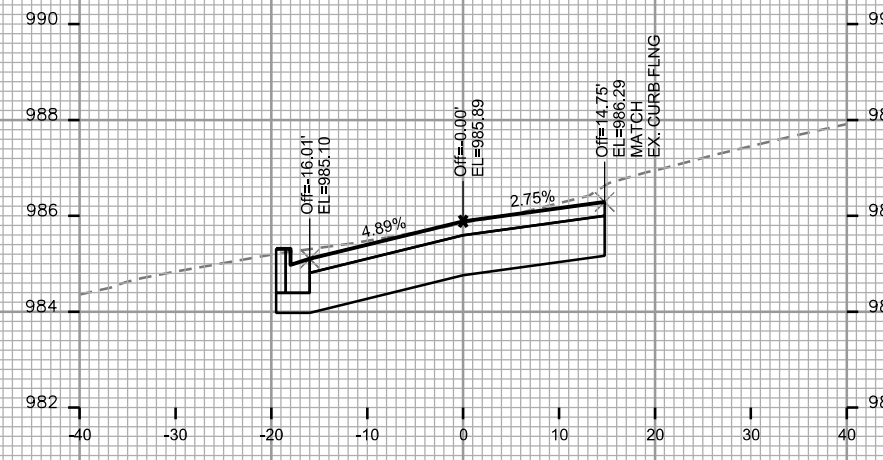
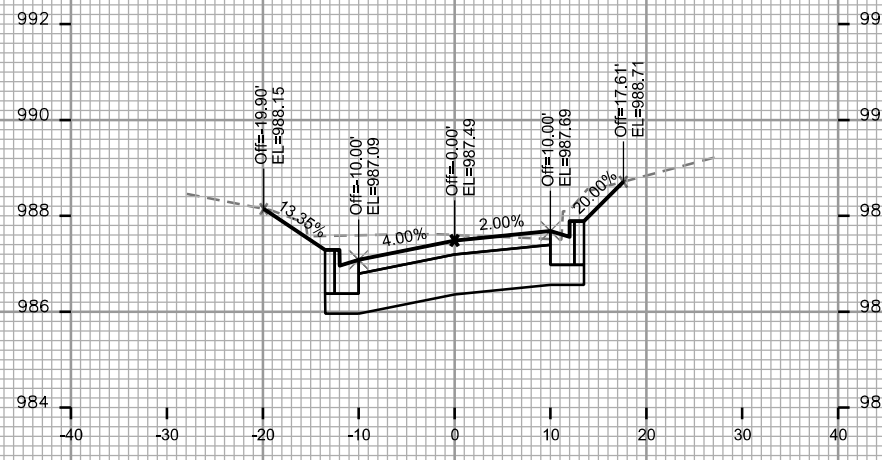
REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

W SUNSET CT.

CITY OF MADISON

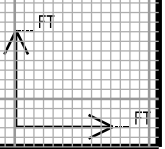


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

CHANNEL

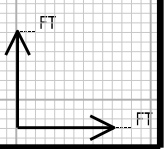
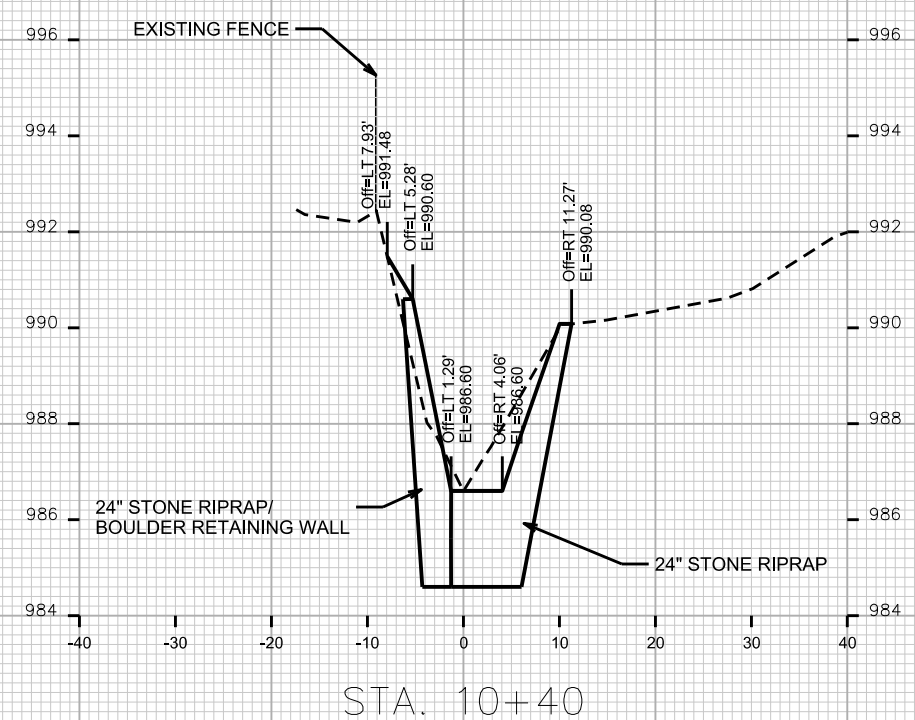
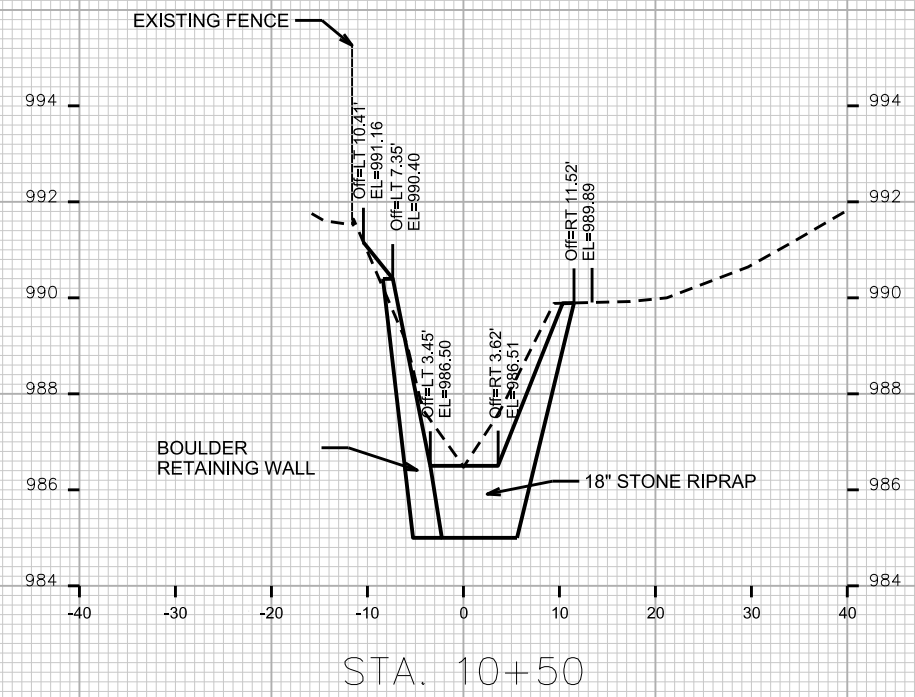
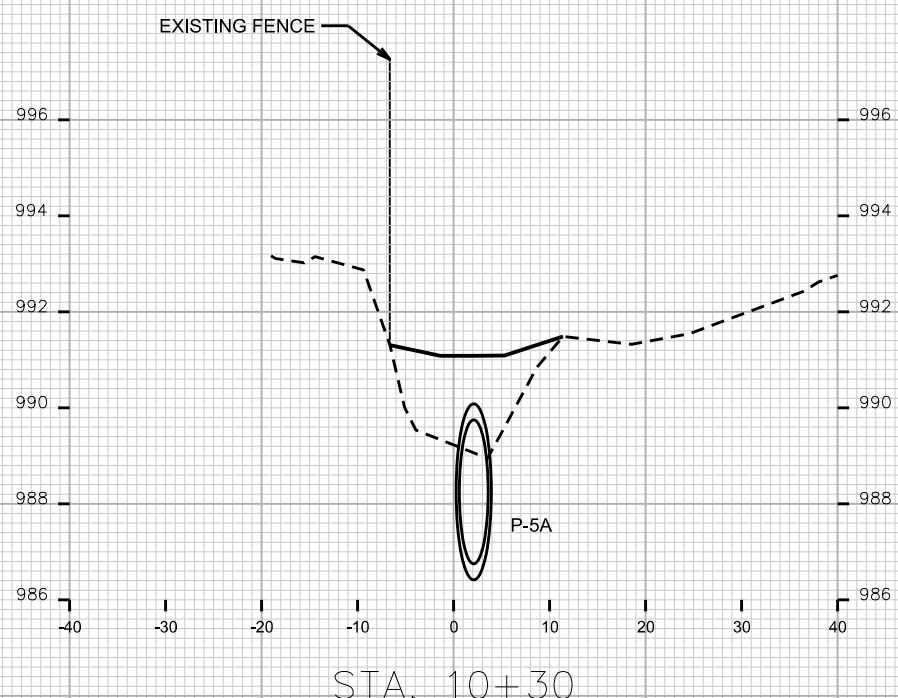
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

CHANNEL

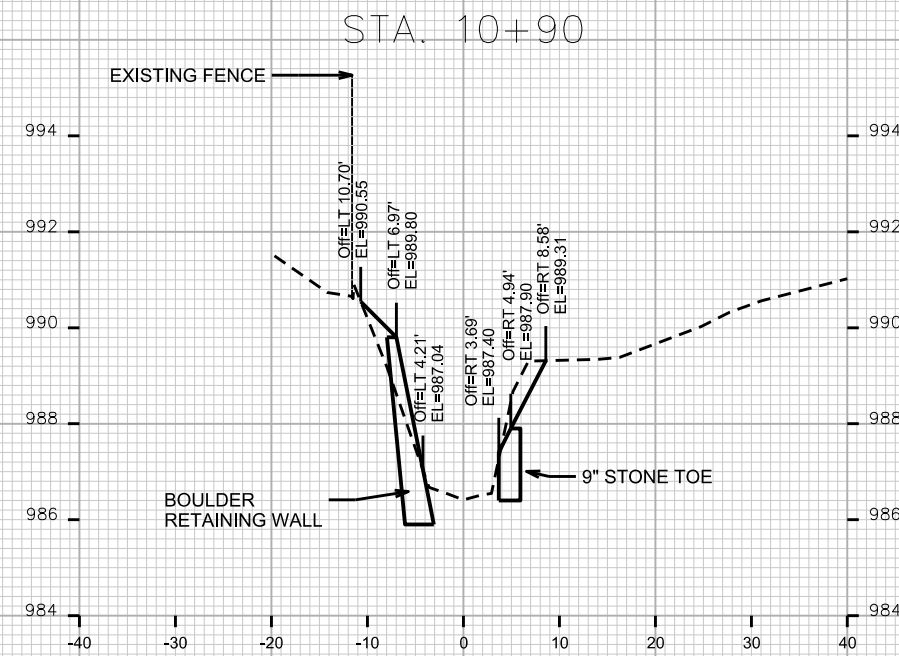
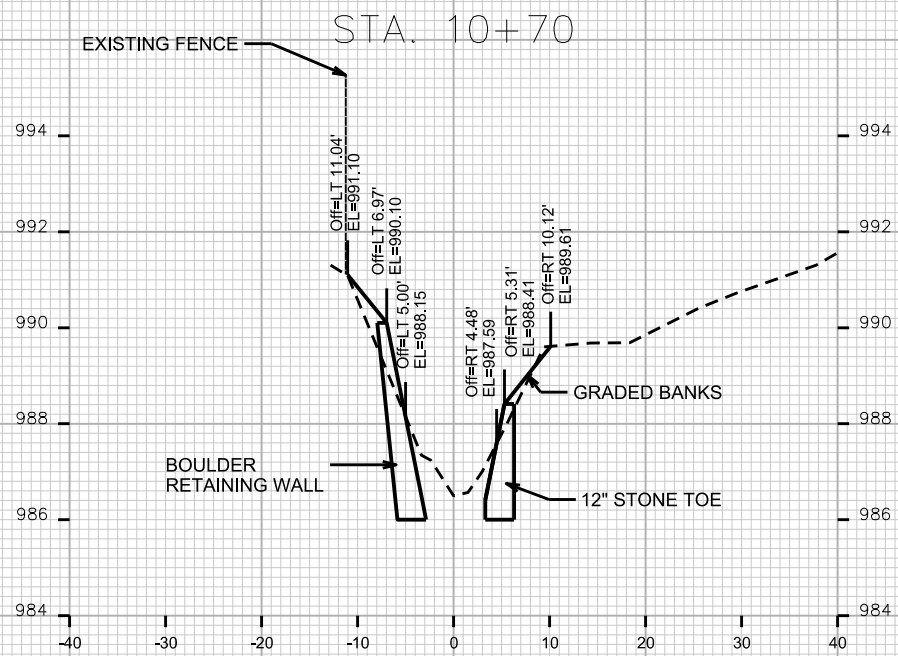
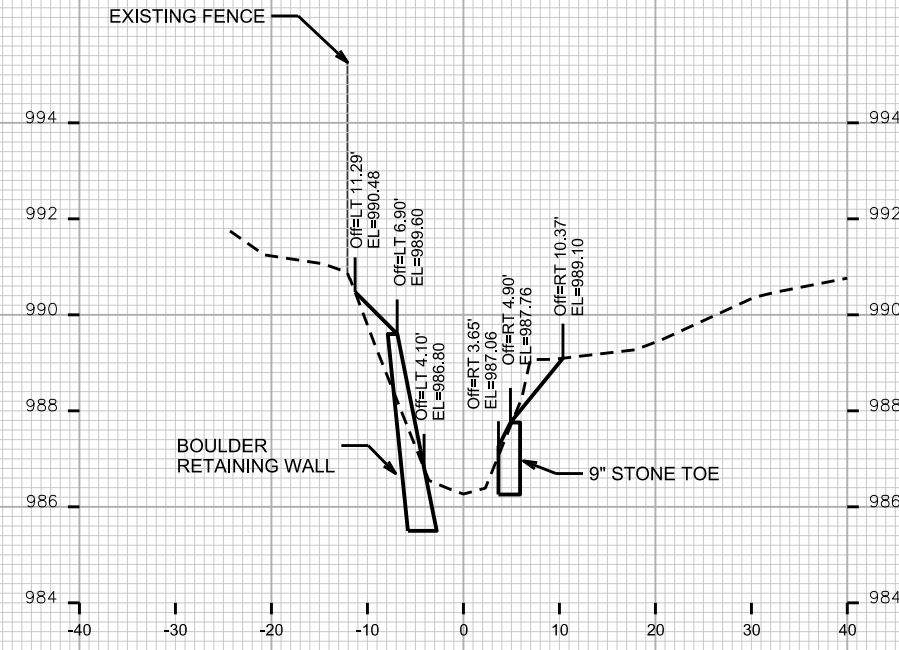
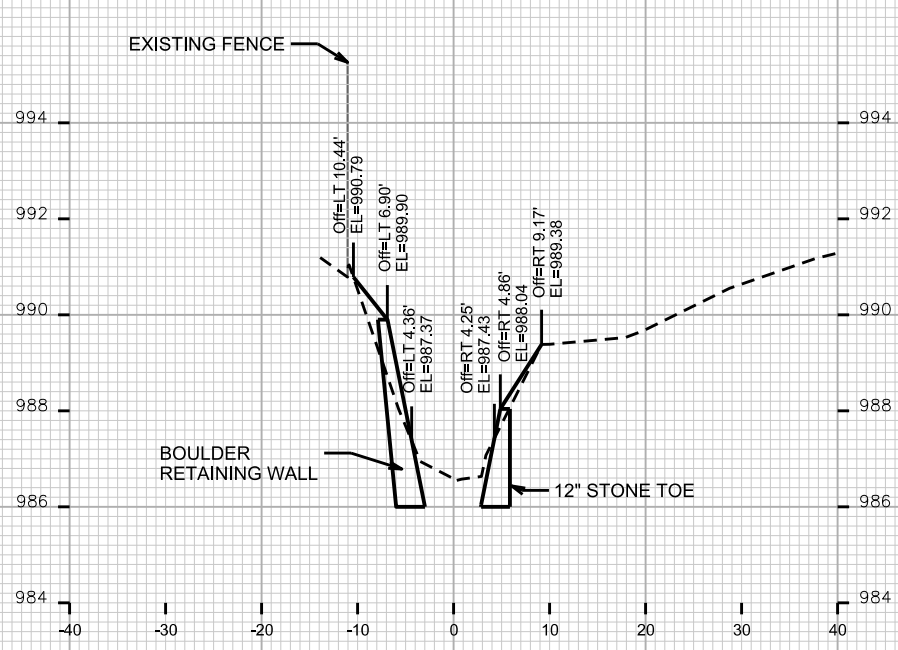
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

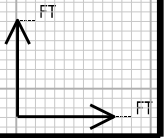
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 10+60

STA. 10+80



CROSS SECTIONS

CHANNEL

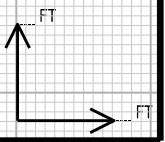
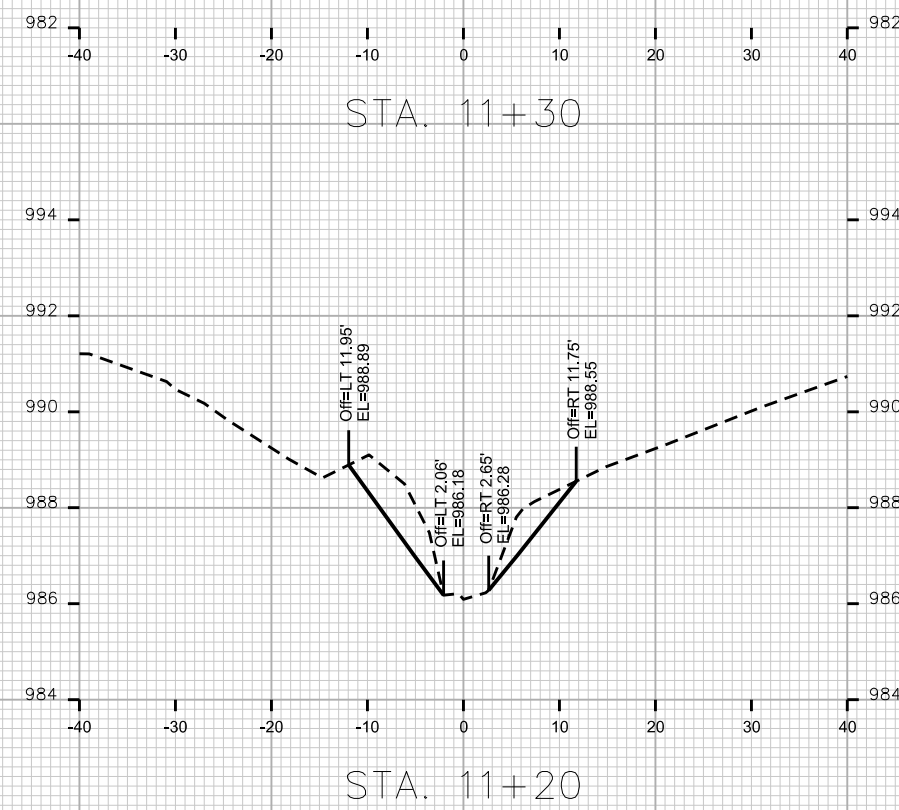
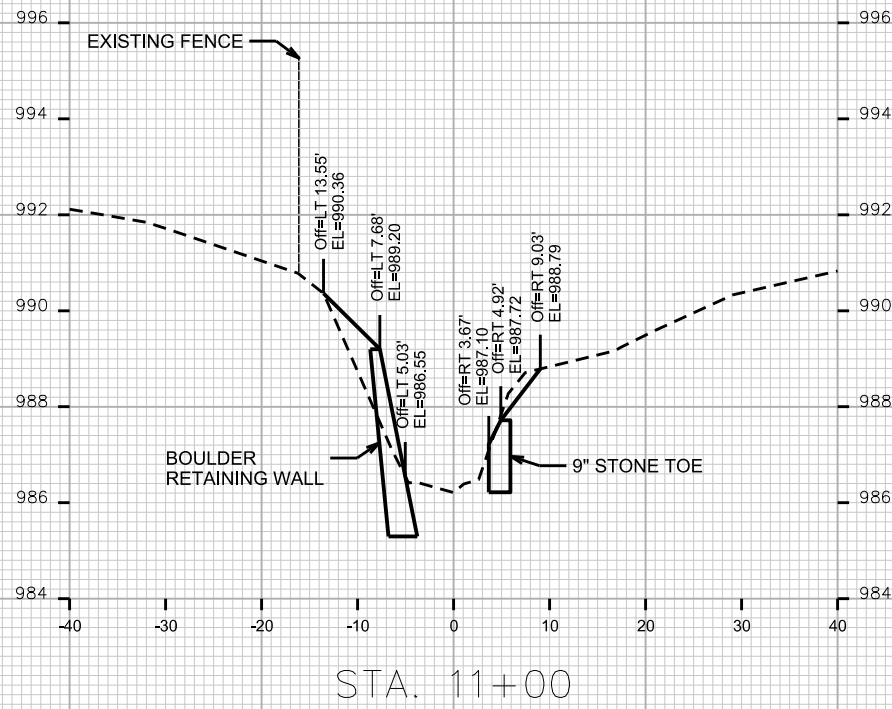
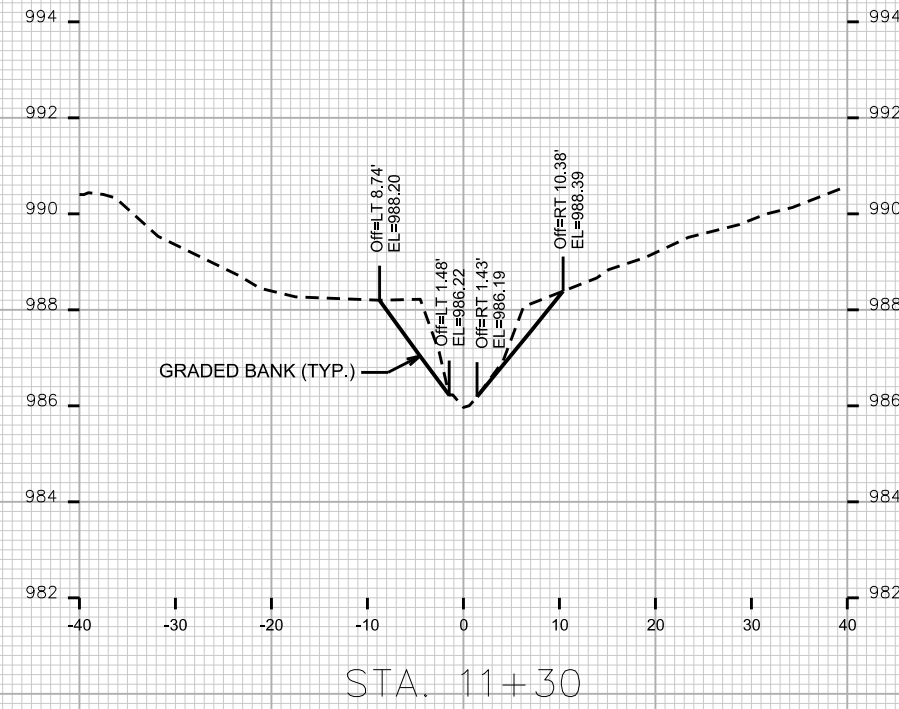
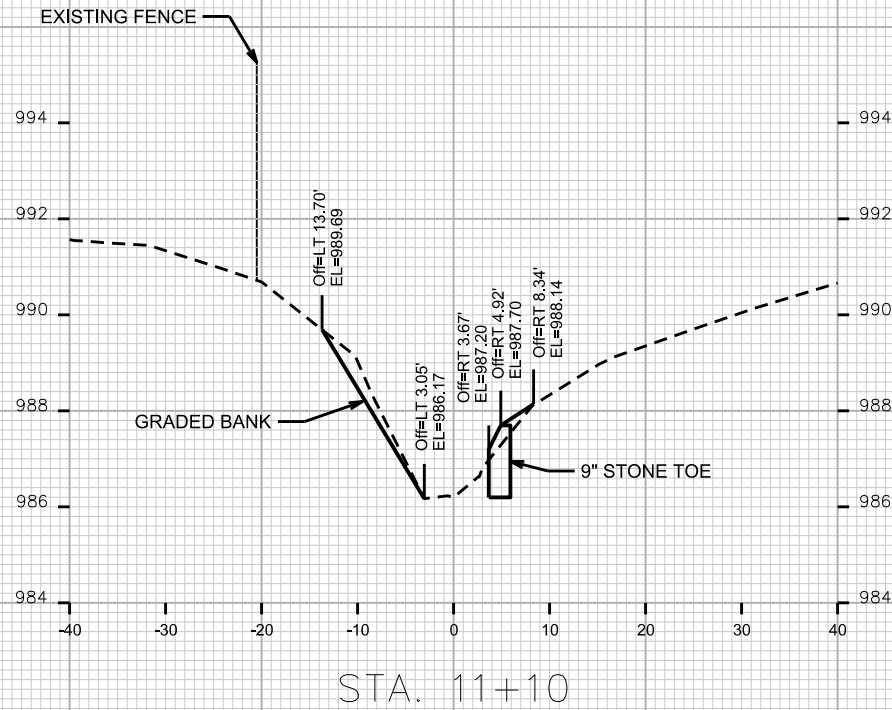
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

CHANNEL

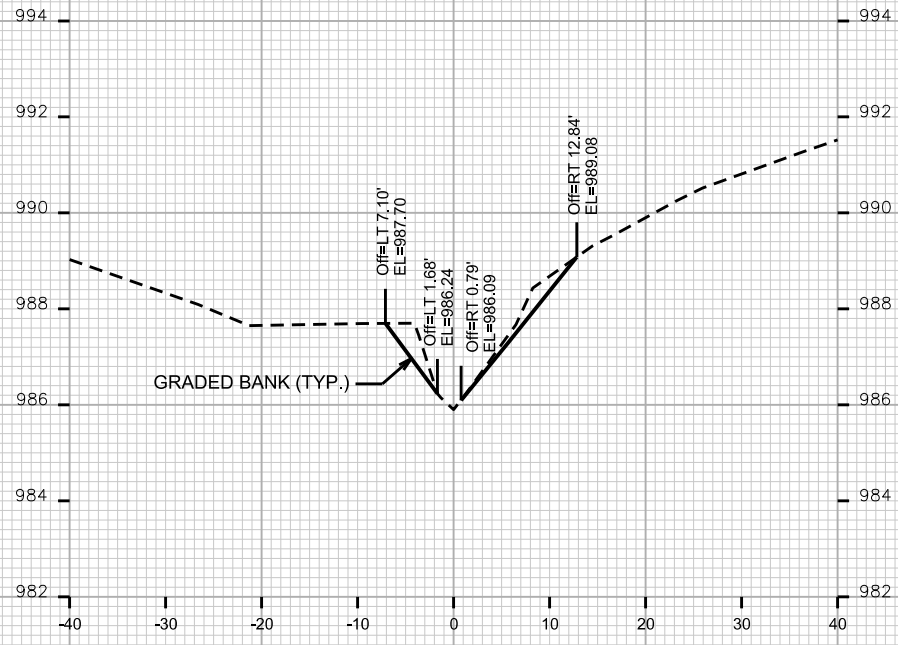
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

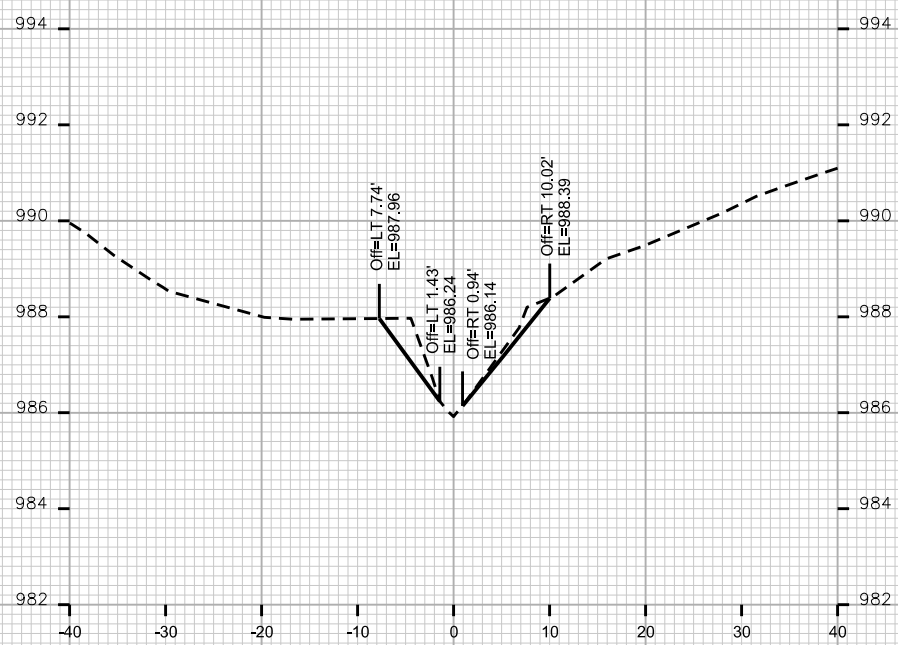
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 11+50



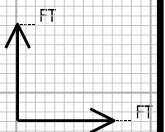
STA. 11+70



STA. 11+40



STA. 11+60



CROSS SECTIONS

CHANNEL

CITY OF MADISON

PLOT SCALE: _____

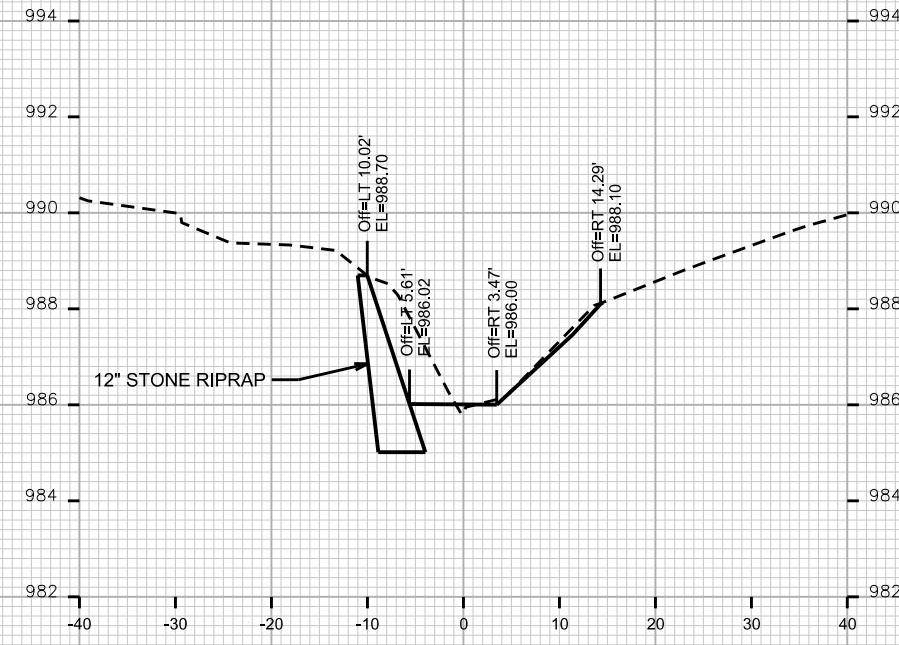
PLOT NAME: _____

REV. DATE: _____

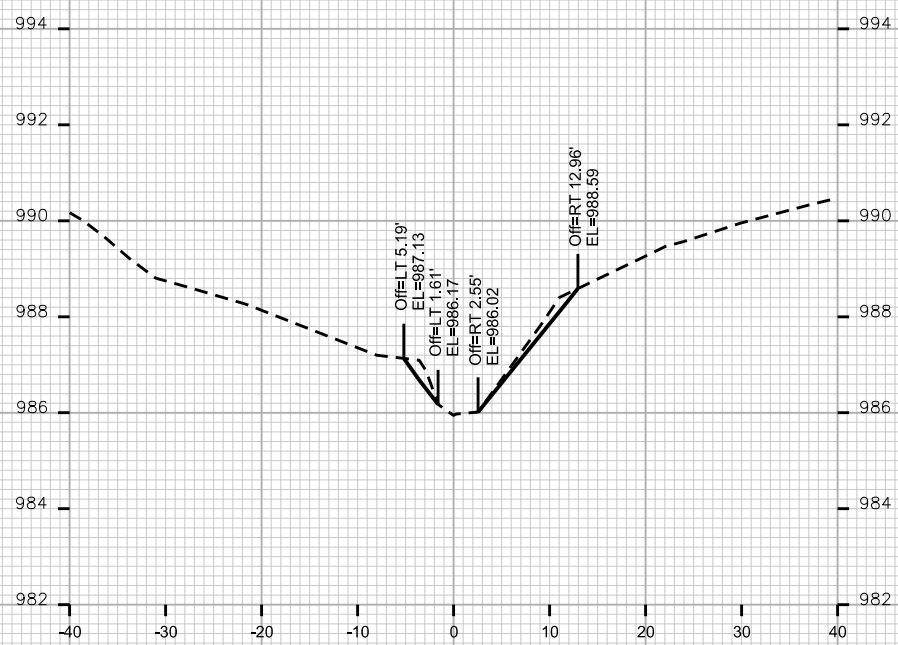
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



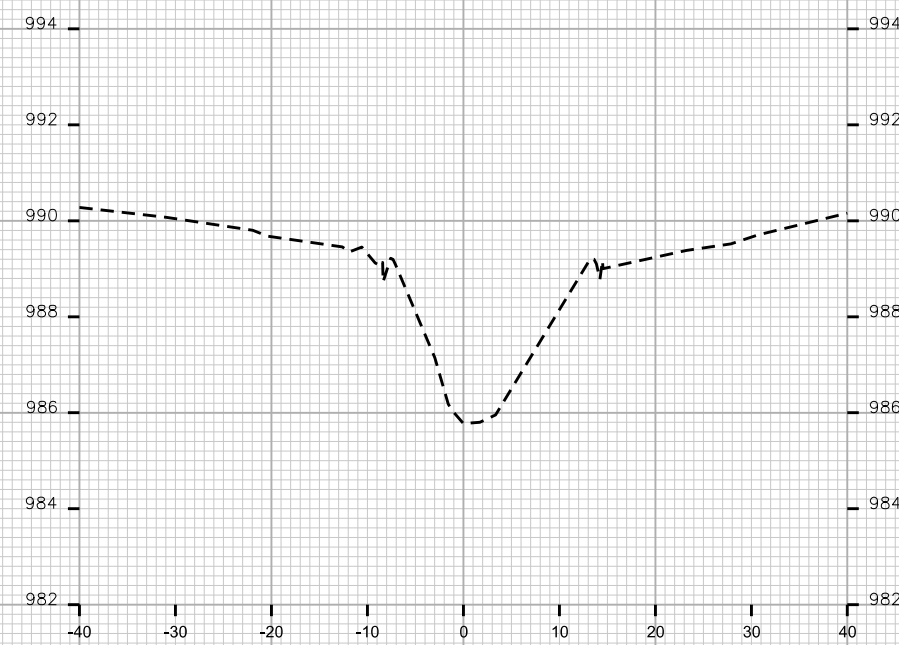
STA. 11+90



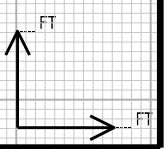
STA. 12+10



STA. 11+80



STA. 12+00



CROSS SECTIONS

CHANNEL CITY OF MADISON

PLOT SCALE: _____
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

