

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 21, 2017

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

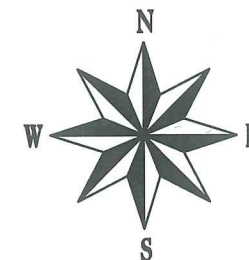
[Signature] 4/7/17
City Engineer Date

INDEX OF SHEETS

SHEET NO.	TITLE
1	TYPICAL SECTION
D1	EROSION CONTROL
EC1-EC5	PLAN & PROFILE - YUMA DRIVE
P1-P5	SEWER PLAN & PROFILE - YUMA DRIVE
U1-U5	UTILITY DETAIL
U6	SEWER SCHEDULES
U7-9	WATER PLAN & PROFILE - YUMA DRIVE
W1-W5	WATER SYSTEM IMPACT PLAN
W6-W10	WATER ESTIMATE OF MATERIALS
W11	CROSS SECTIONS
X1-X15	

YUMA DRIVE RESURFACING ASSESSMENT DISTRICT - 2017

CITY PROJECT NO. 11435
CONTRACT NO. 7850



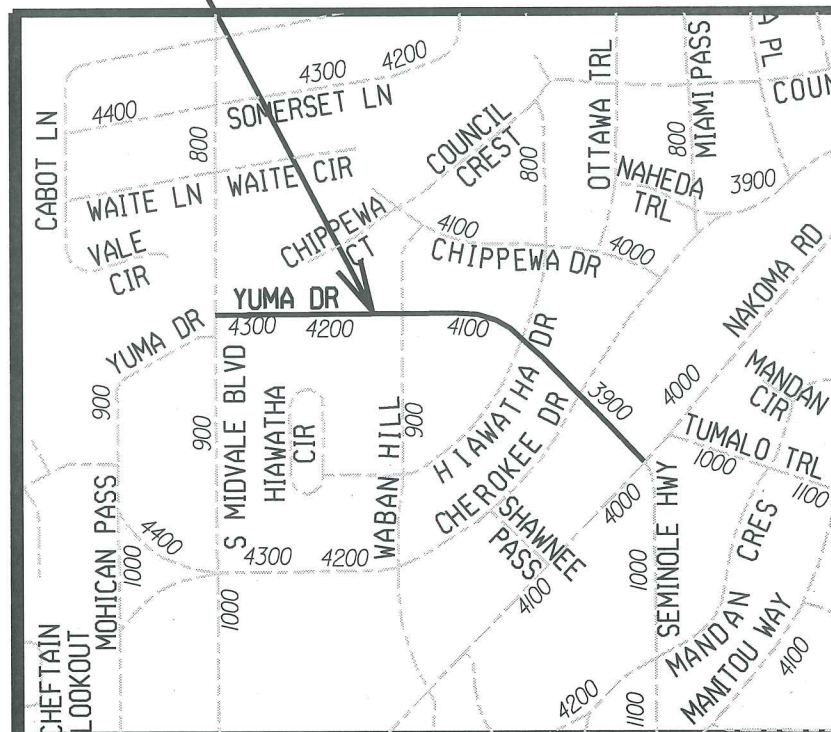
CONSTRUCTION PROJECT LOCATIONS

CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	□

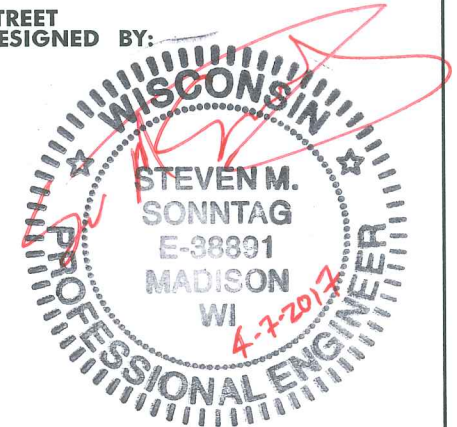
NOTES:
ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS. SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

EARTH WORK SUMMARY:

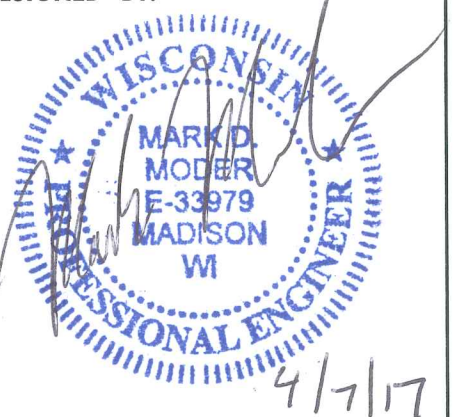
EXCAVATION CUT (MEASURED PLAN QUANTITY)...	3067 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....	500 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....	3567 C.Y.



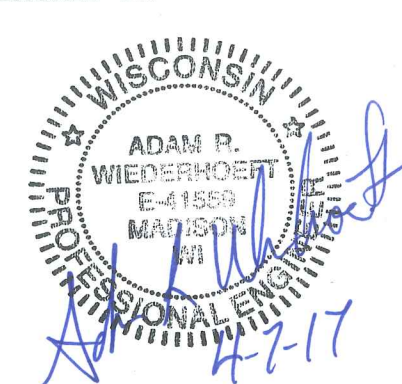
STREET DESIGNED BY:



SANITARY SEWER DESIGNED BY:



WATER DESIGNED BY:



STORM SEWER DESIGNED BY:

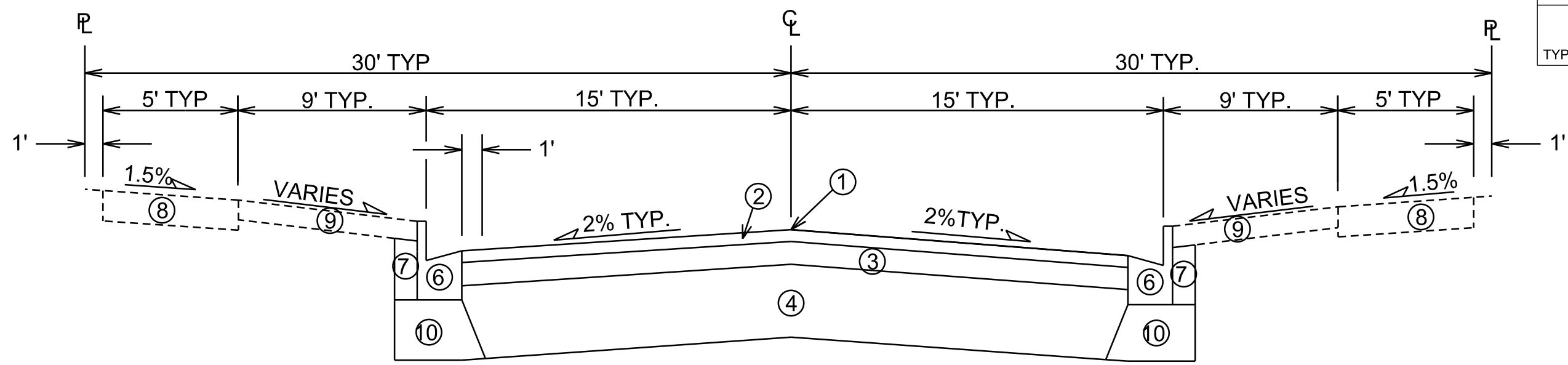


PLOT SCALE:

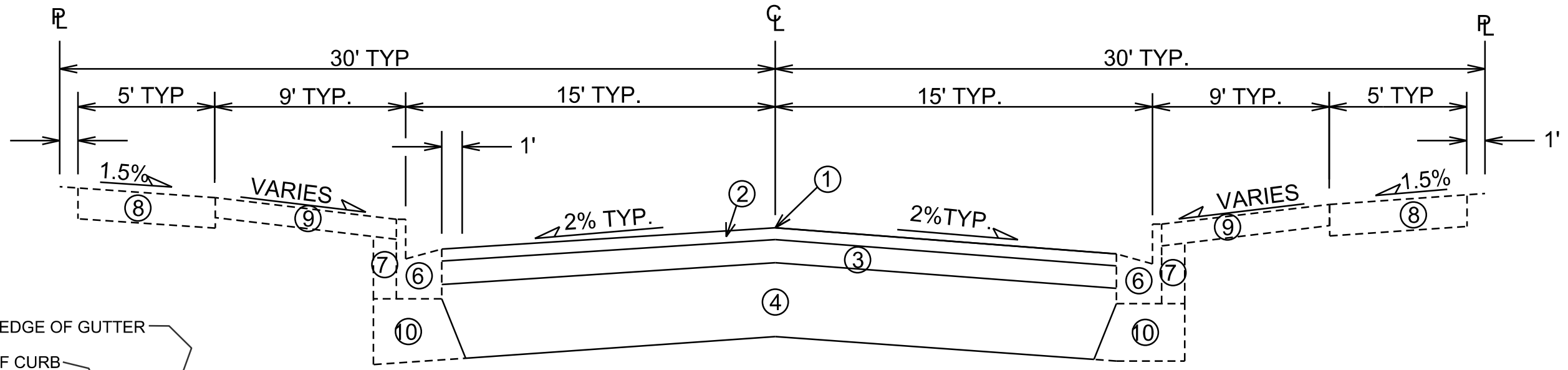
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REV. DATE:

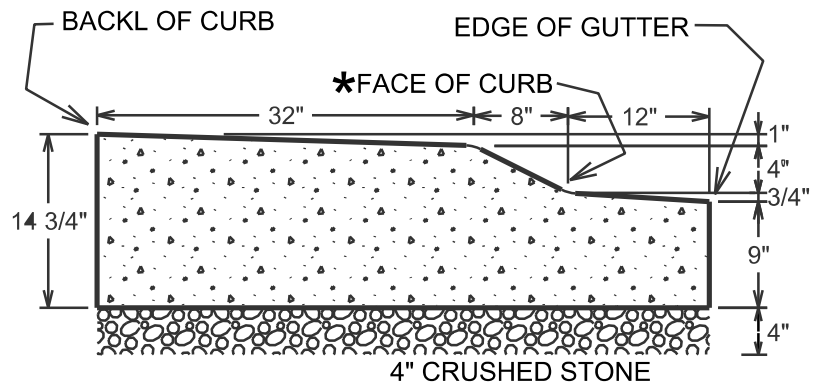
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
YUMA DRIVE
STA 10+40 TO STA 27+50
(NOTE: TYPE X CURB FOR ALL DRIVEWAYS)



TYPICAL SECTION
YUMA DRIVE
STA. 28+75 TO STA. 32+05



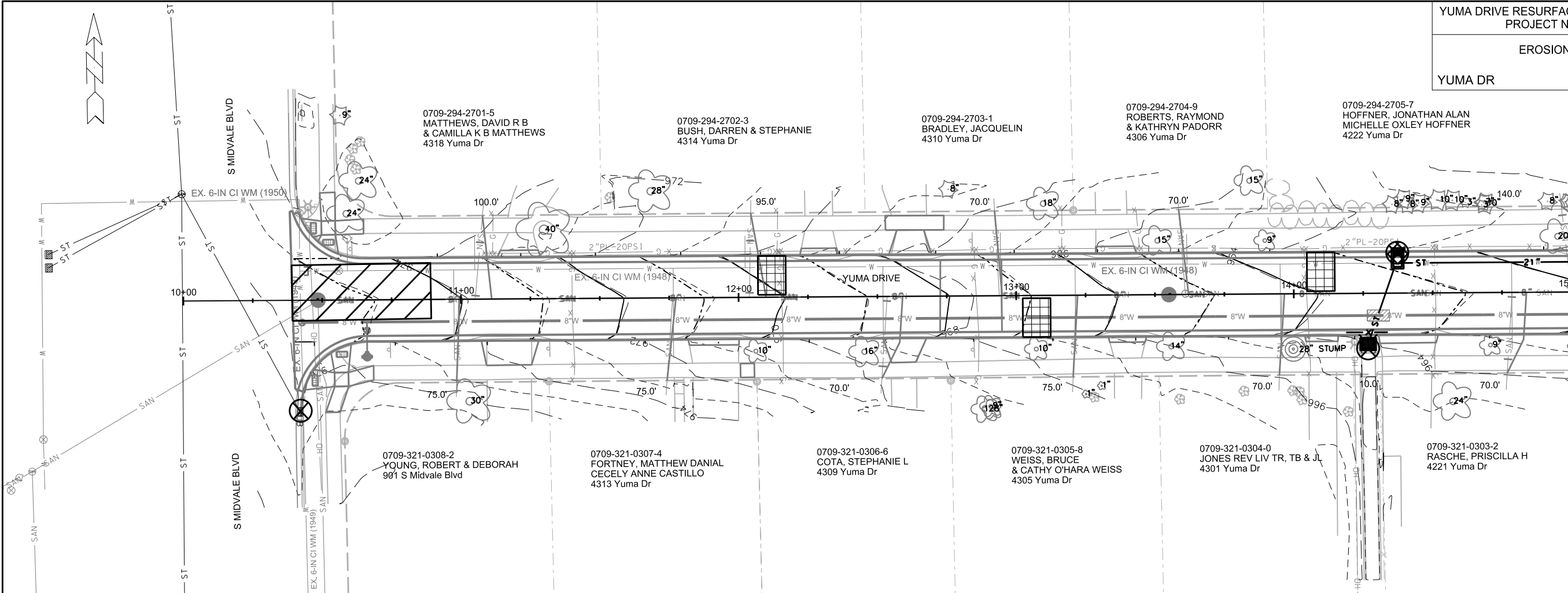
TRAFFIC CIRCLE MOUNTABLE CONCRETE CURB AND GUTTER
* RADIUS MEASURED TO THIS POINT

- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER, TYPE E-1
- ③ 2 1/4" BITUMINOUS LOWER LAYER, TYPE E-1
- ④ 10" GRADATION 2 CRUSHED AGGREGATE
- ⑥ REMOVE & REPLACE CONCRETE CURB & GUTTER AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑦ FILL, INCIDENTAL WHERE CURB IS REPLACED
- ⑧ 5" CONCRETE SIDEWALK, REMOVE & REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑨ RESTORE DISTURBED AREAS W/ 4" TOPSOIL, SEED & MAT
- ⑩ 4" MIN GRADATION 2 CRUSHED AGGREGATE AS NECESSARY FOR CURB REPLACEMENT

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

TYPICAL SECTION NOT TO SCALE

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



MATCHLINE STA 15+00.00

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

	STREET CONSTRUCTION ENTRANCE
	TYPE D 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.

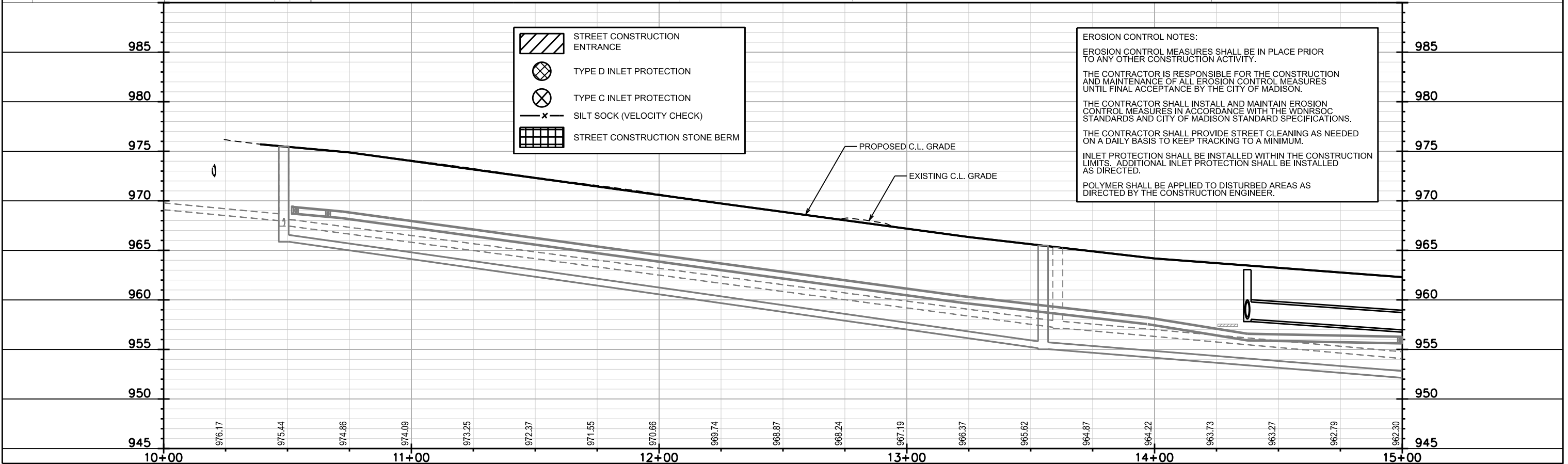
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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.

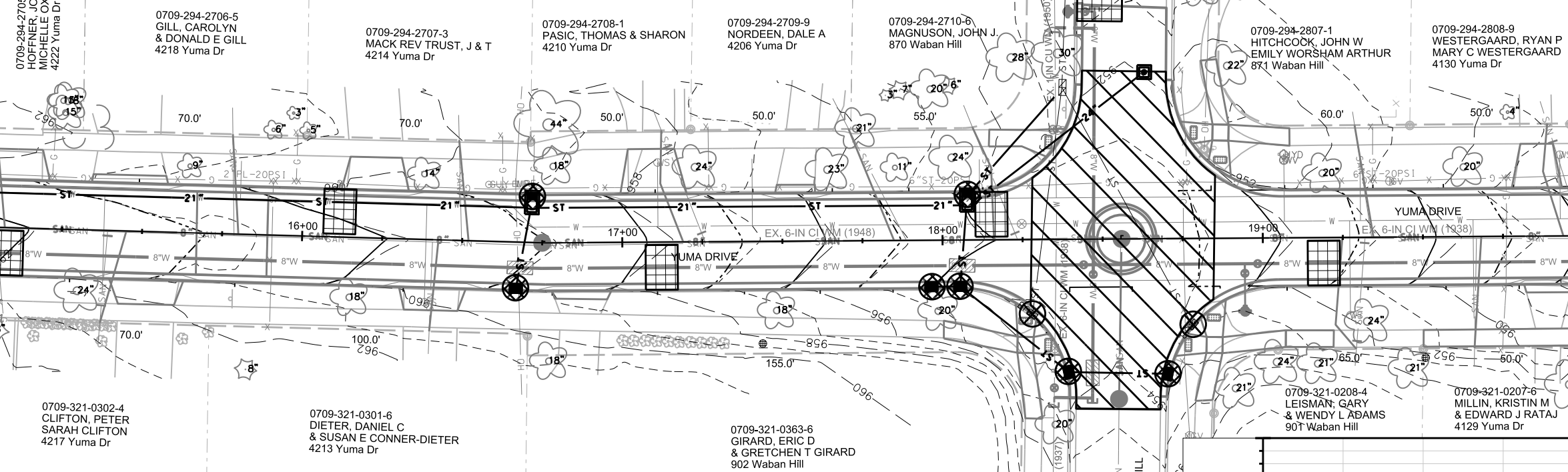
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

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



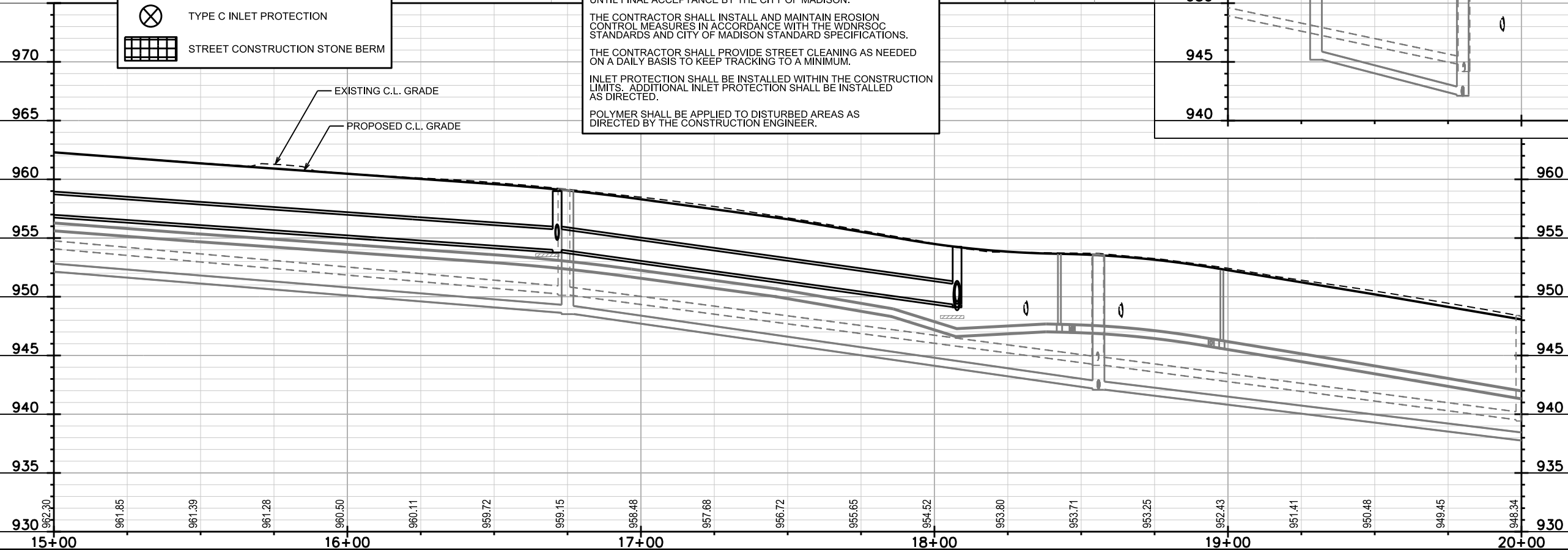
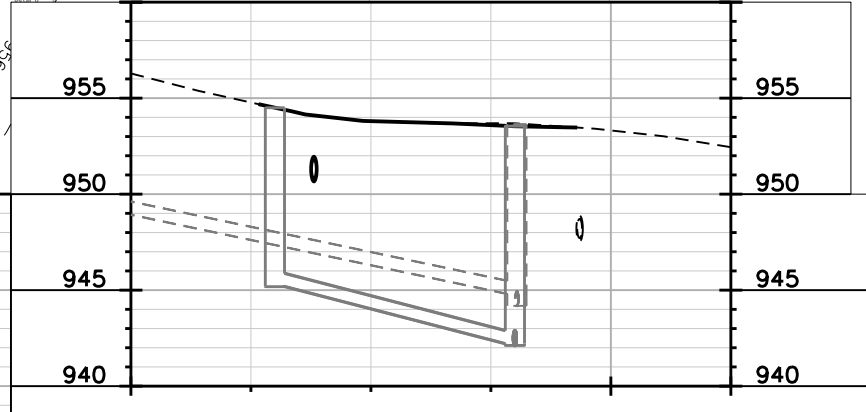
MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

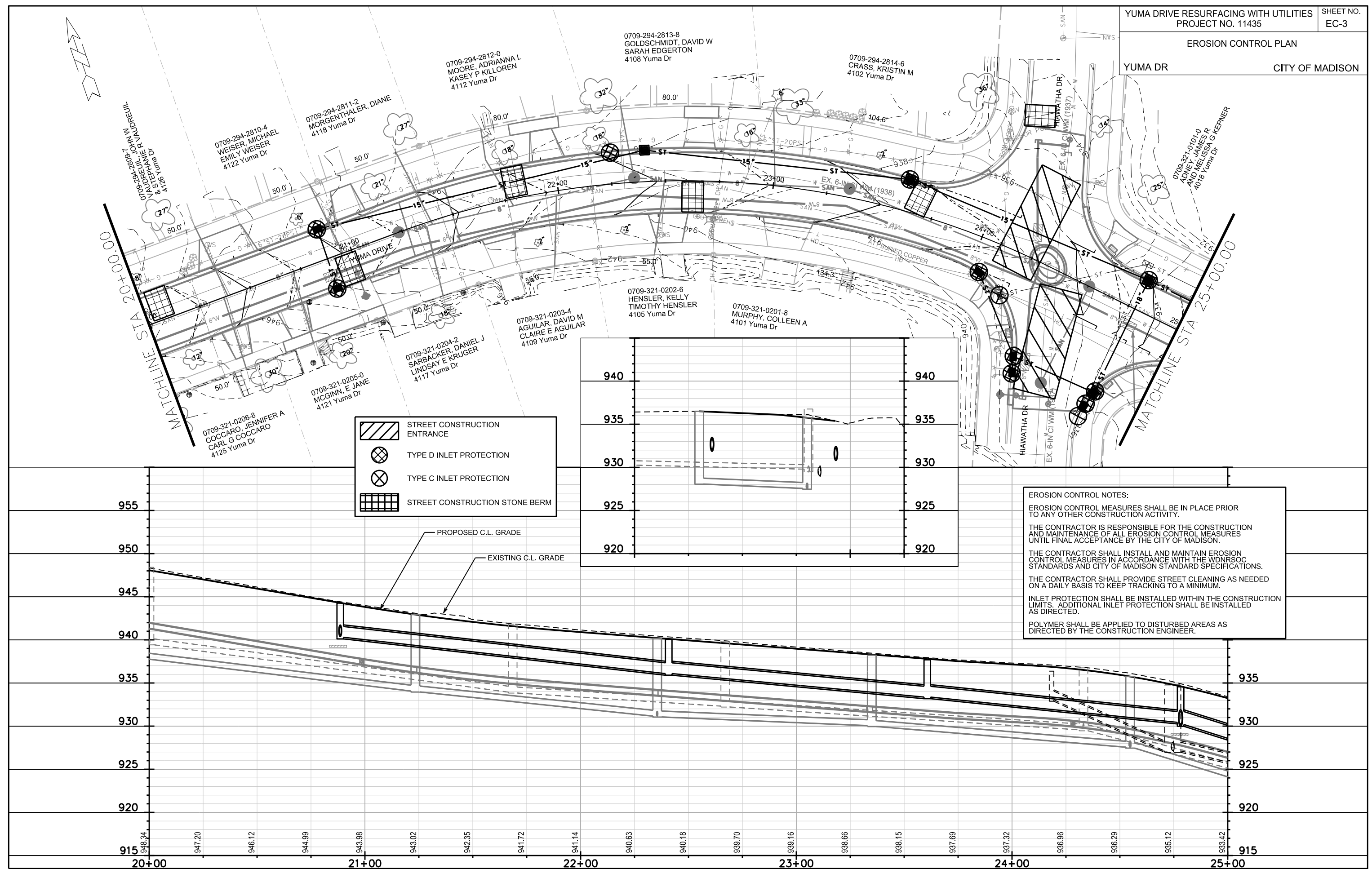


	STREET CONSTRUCTION ENTRANCE
	TYPE D INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM

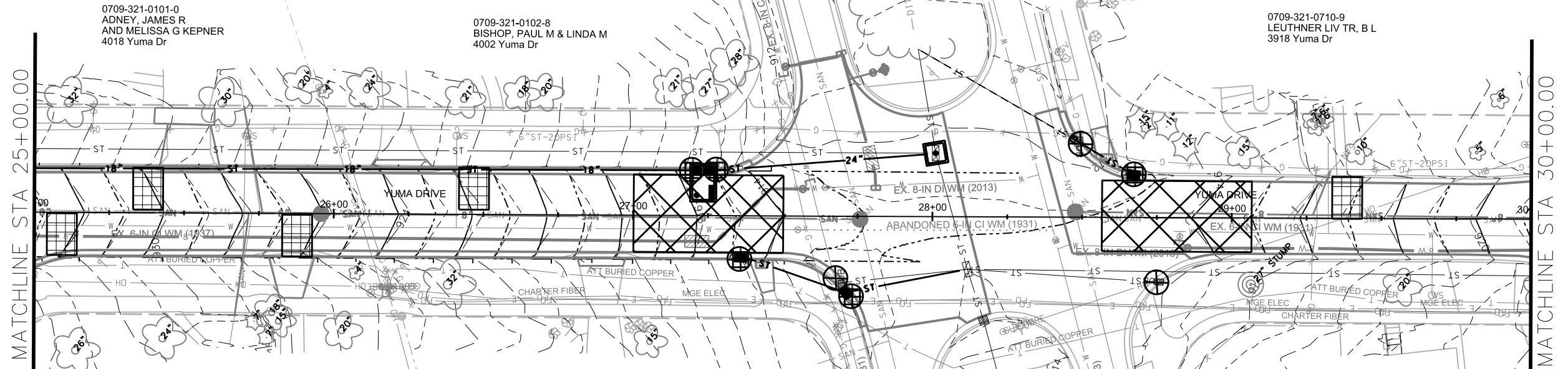
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PLOT SCALE:
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 REV. DATE:
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION



0709-321-0101-0
 ADNEY, JAMES R
 AND MELISSA G KEPNER
 4018 Yuma Dr

0709-321-0102-8
 BISHOP, PAUL M & LINDA M
 4002 Yuma Dr

0709-321-0710-9
 LEUTHNER LIV TR, B L
 3918 Yuma Dr

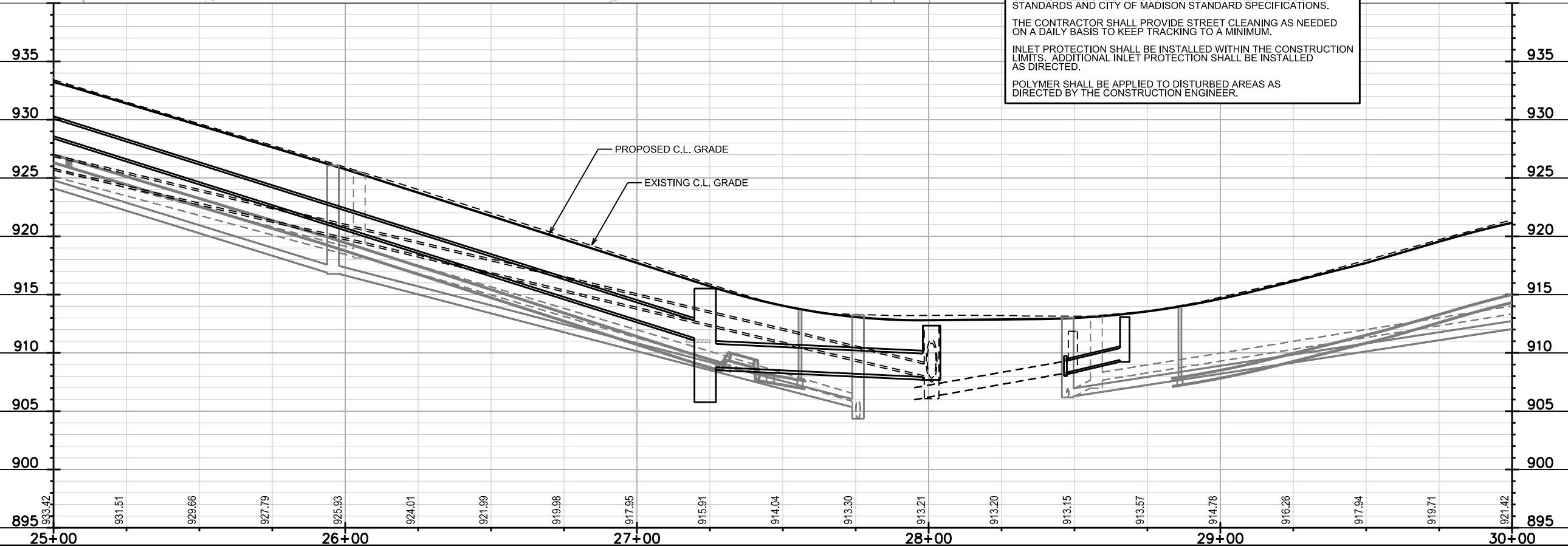
0709-321-0601-0
 SALTER, RICHARD C
 4013 Yuma Dr

0709-321-0632-5
 CHOLIS, DEONESA C
 4005 Yuma Dr

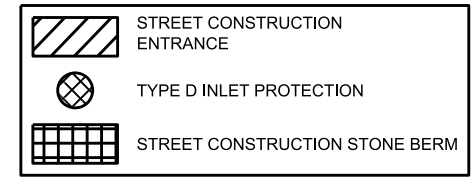
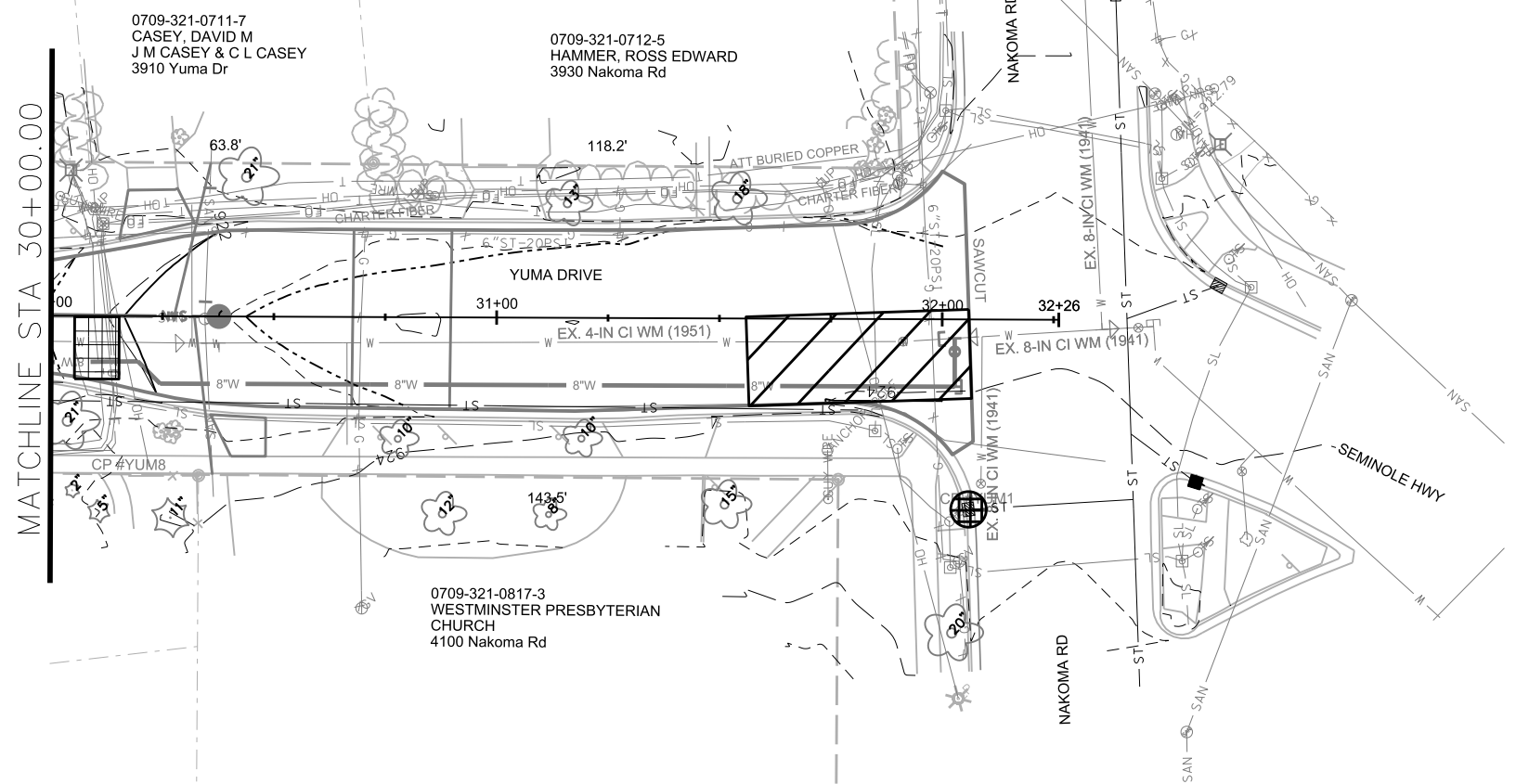
0709-321-0801-6
 SWANSON, CATHERINE L
 3915 Yuma Dr

	STREET CONSTRUCTION ENTRANCE BERM
	TYPE D INLET PROTECTION
	TYPE C INLET PROTECTION
	STREET CONSTRUCTION STONE BERM

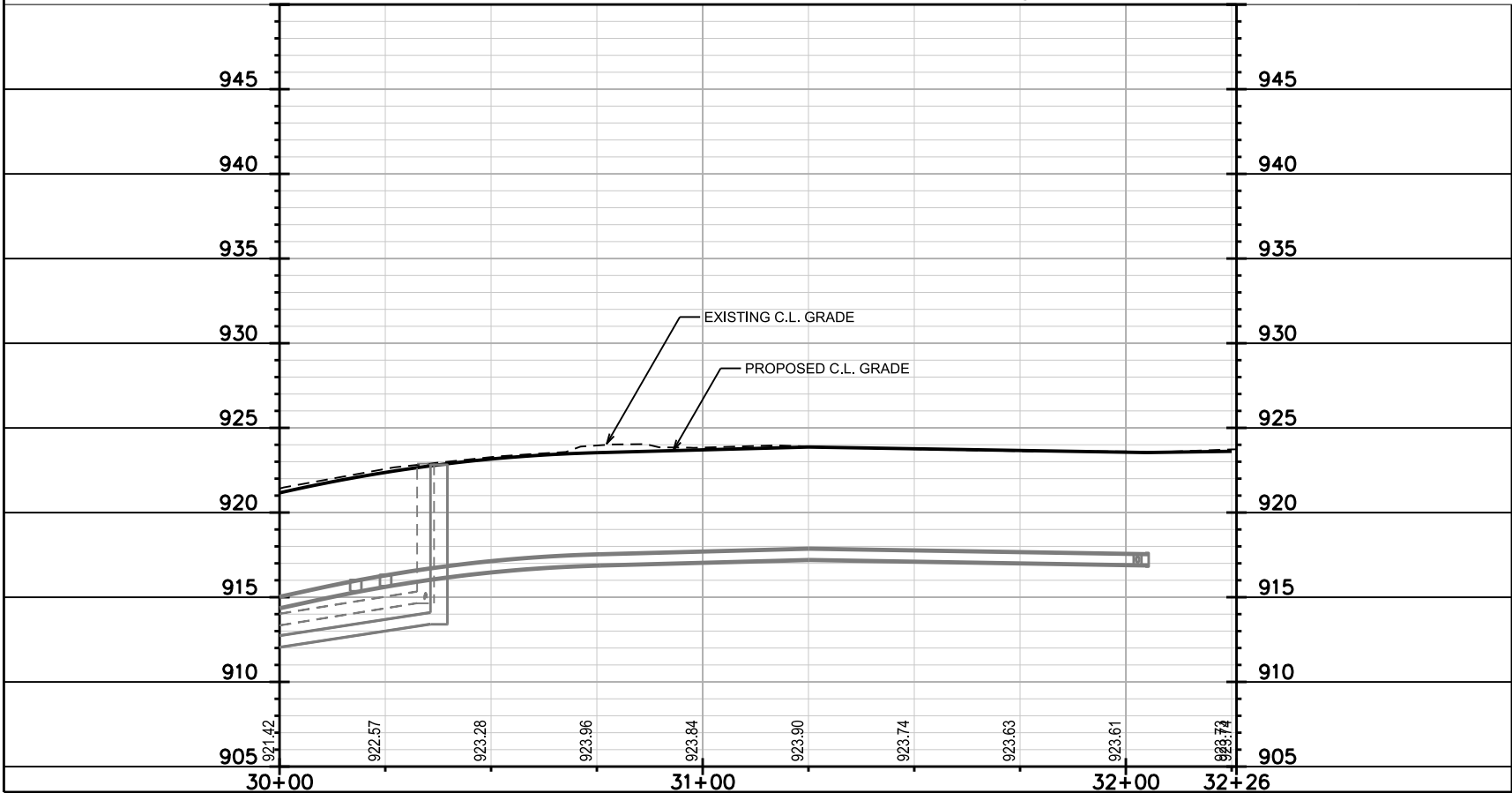
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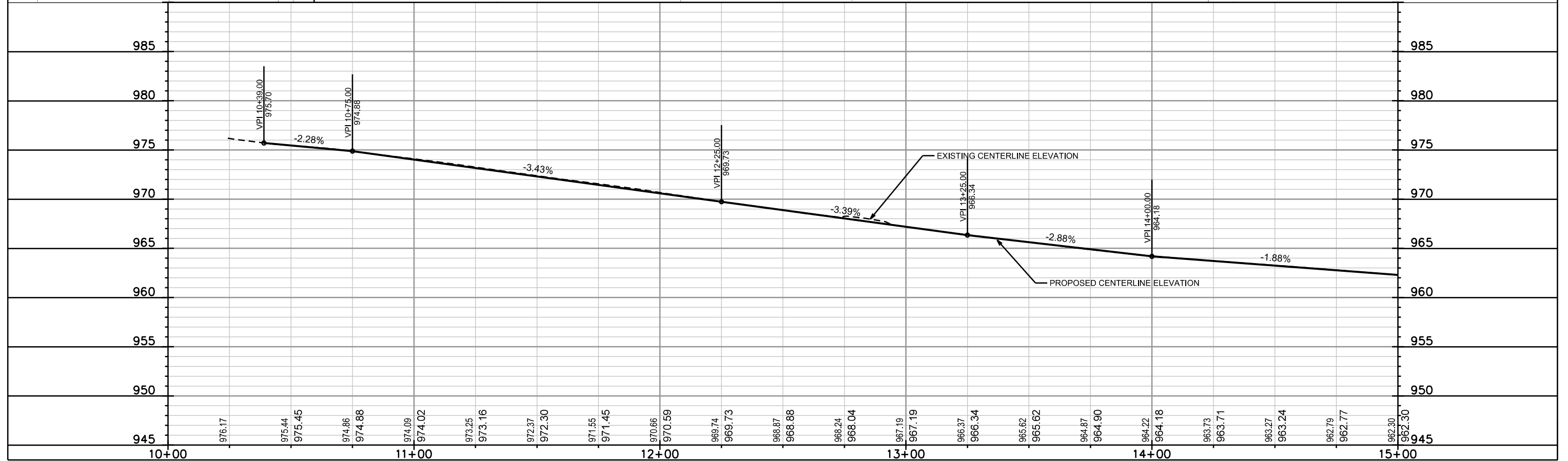
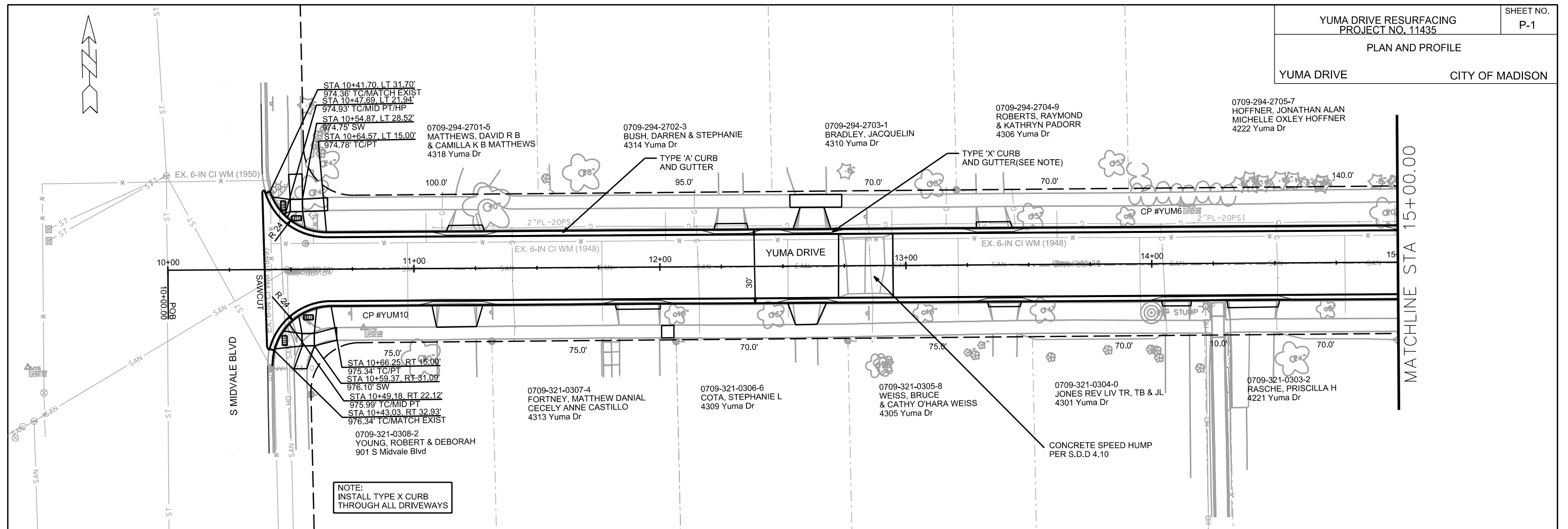
PLOT SCALE:
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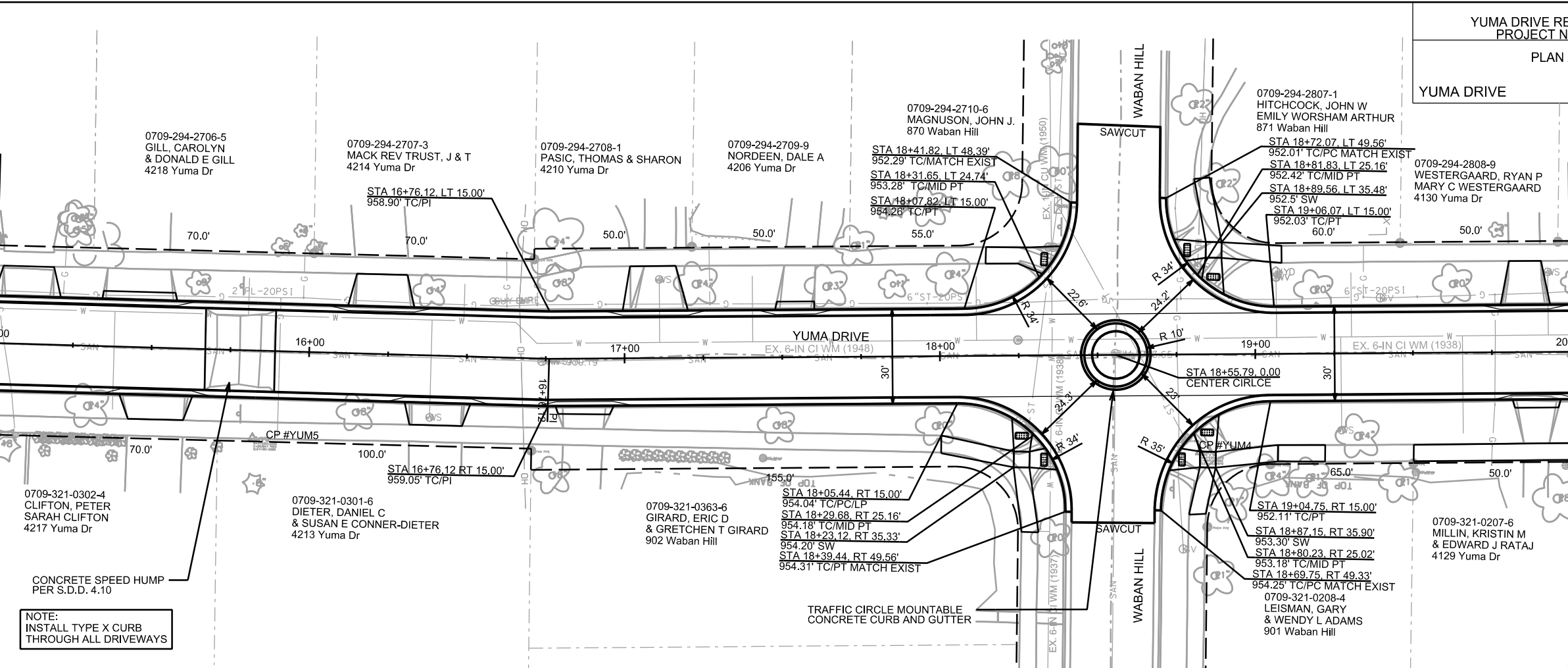
PLAN AND PROFILE

YUMA DRIVE CITY OF MADISON



MATCHLINE STA 15+00.00

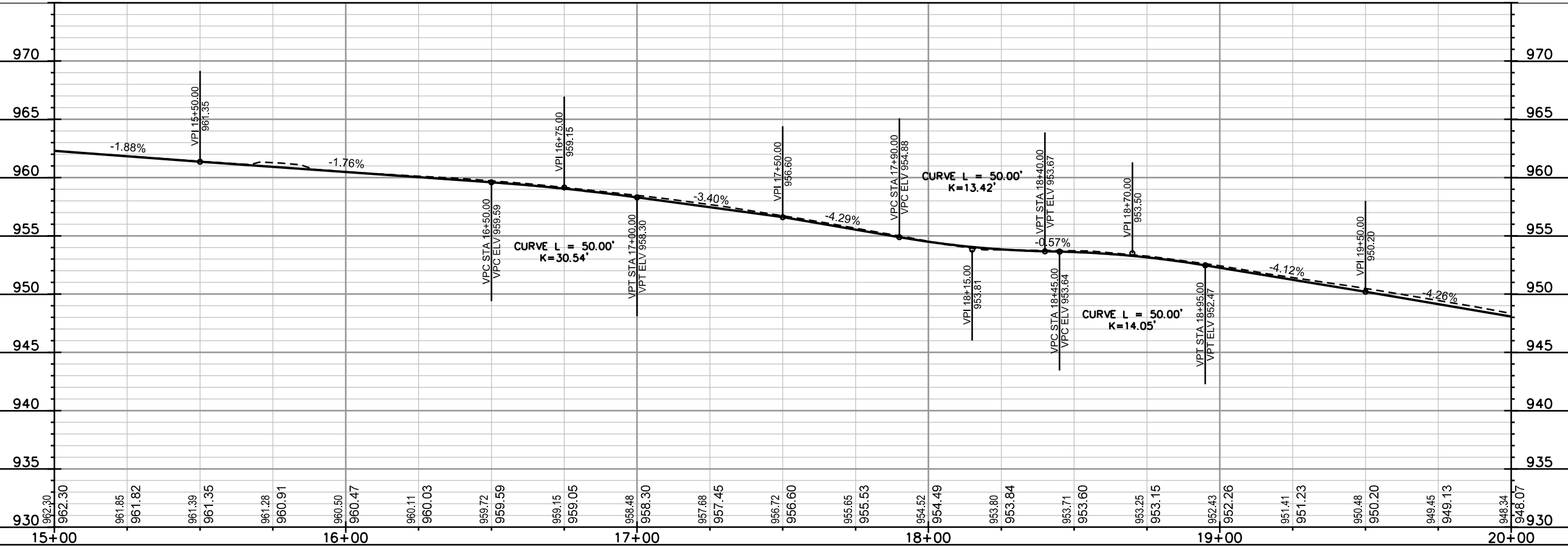
MATCHLINE STA 20+00.00



NOTE:
INSTALL TYPE X CURB
THROUGH ALL DRIVEWAYS

TRAFFIC CIRCLE MOUNTABLE
CONCRETE CURB AND GUTTER

CONCRETE SPEED HUMP
PER S.D.D. 4.10



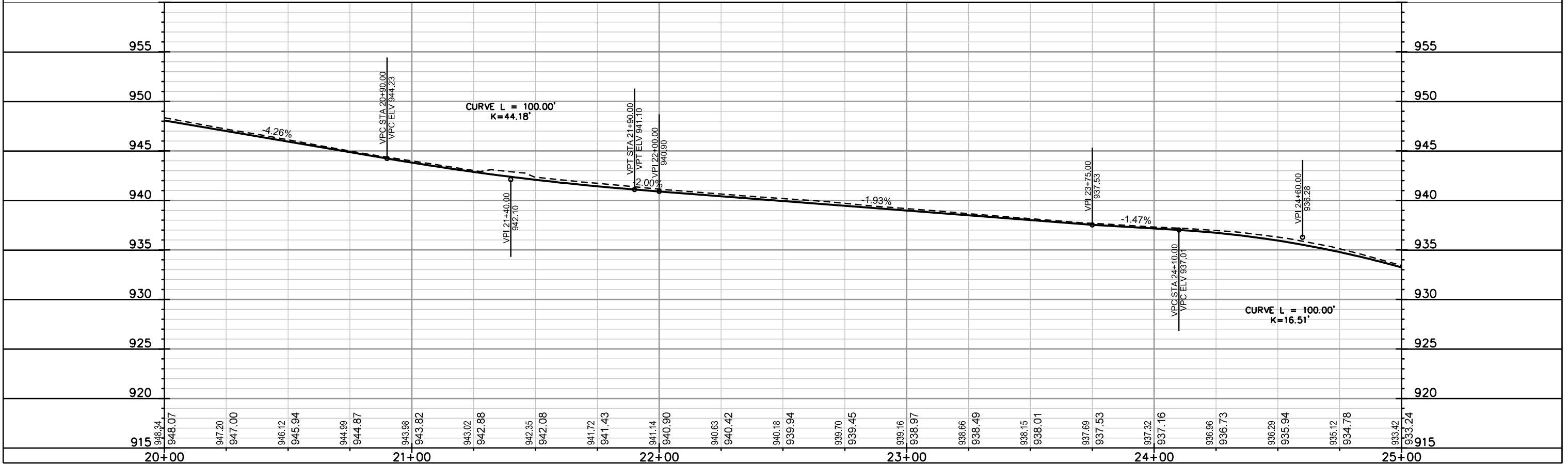
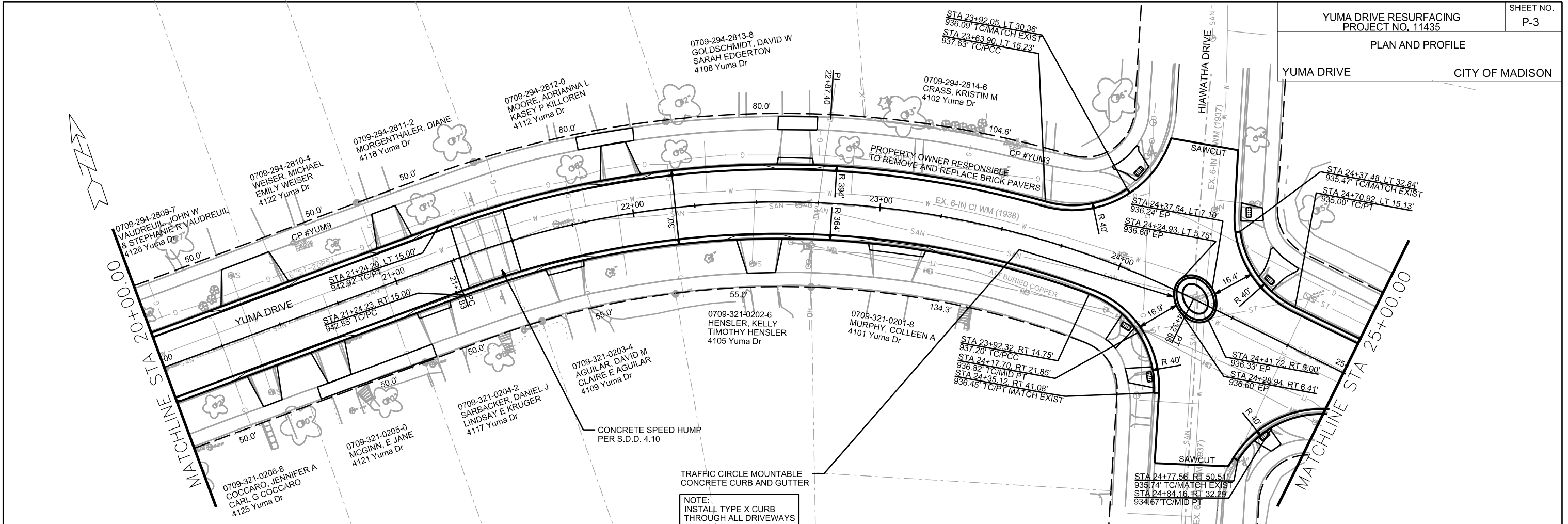
PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

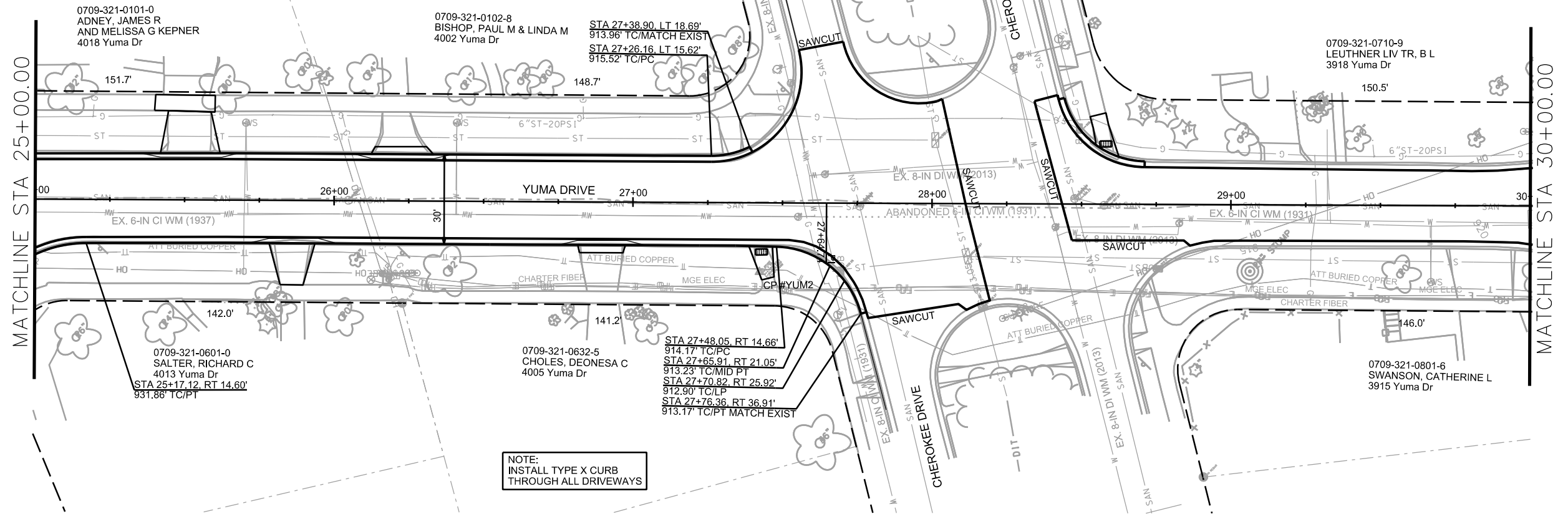
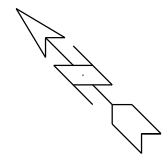
YUMA DRIVE CITY OF MADISON



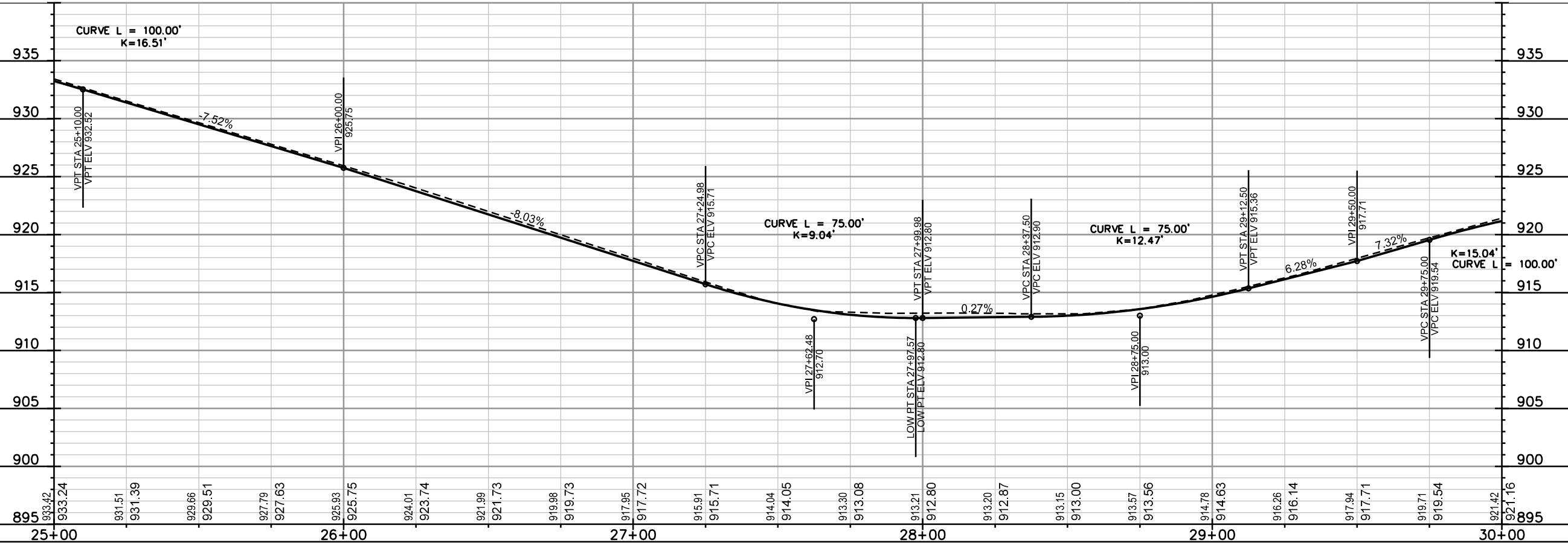
PLOT SCALE: _____ REV. DATE: _____ ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

YUMA DRIVE CITY OF MADISON



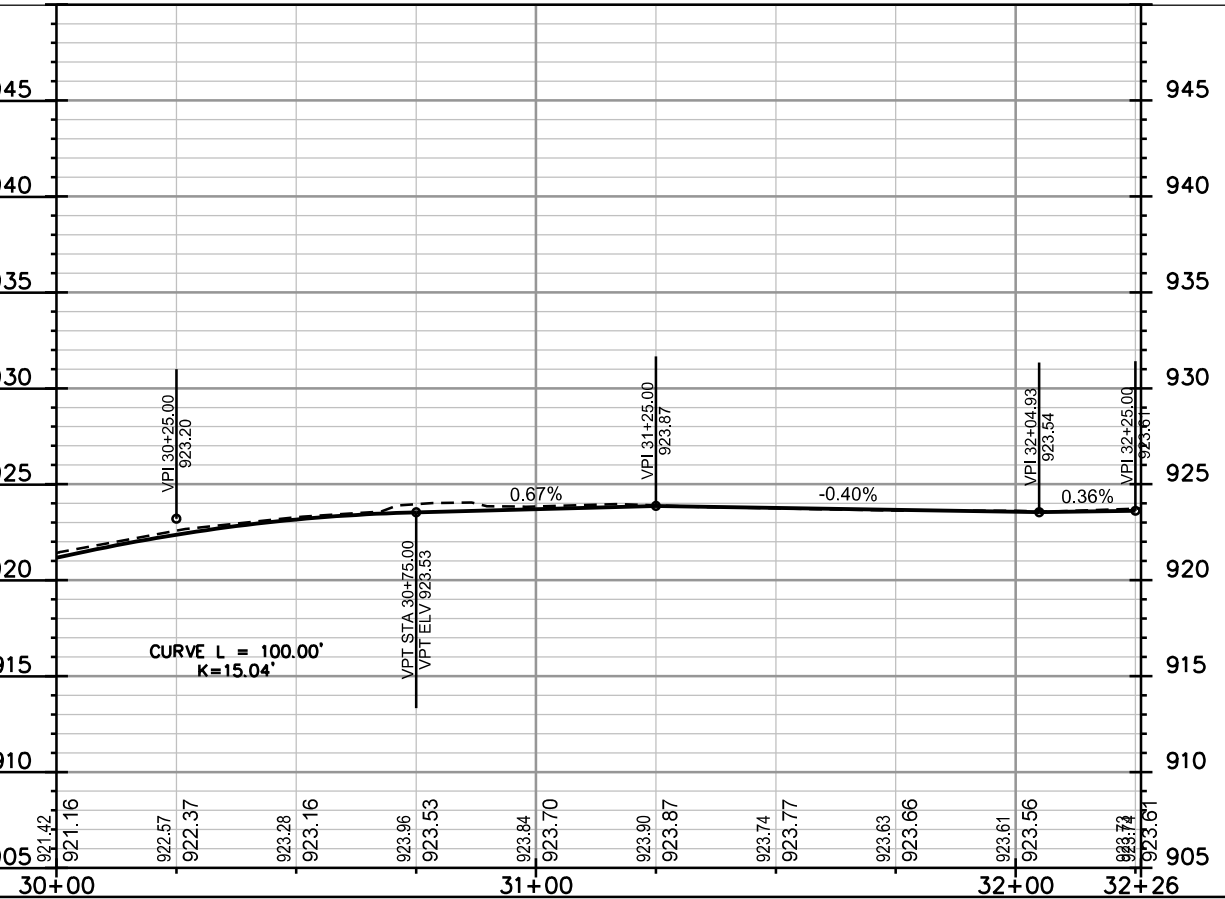
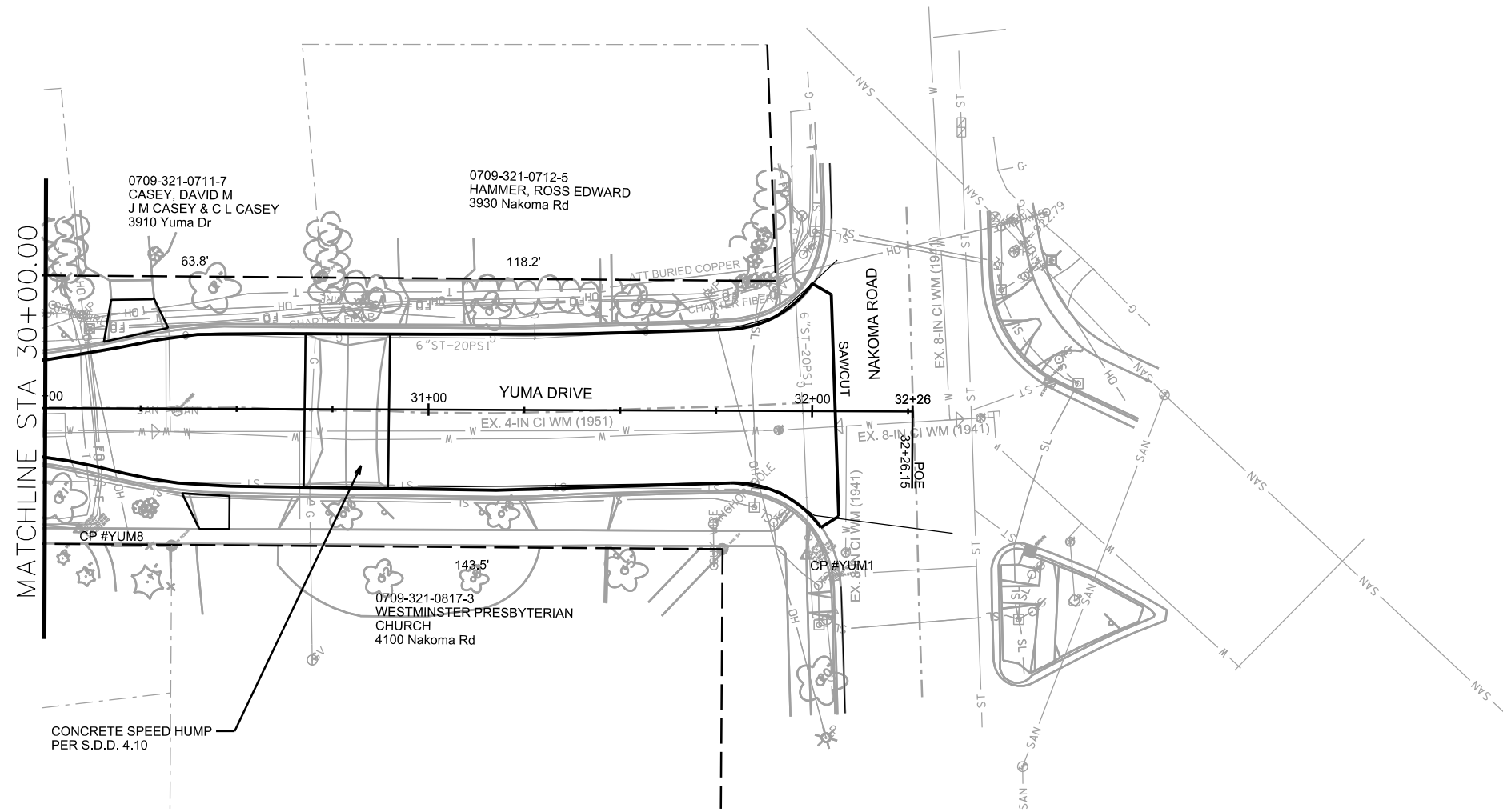
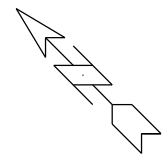
NOTE:
INSTALL TYPE X CURB
THROUGH ALL DRIVEWAYS



PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

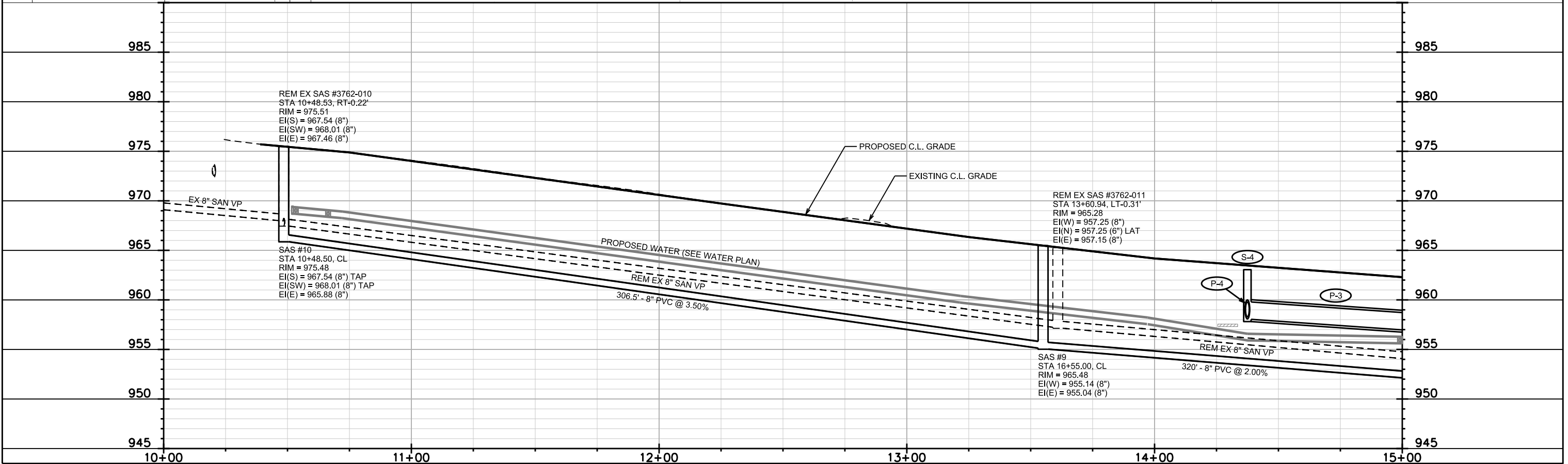
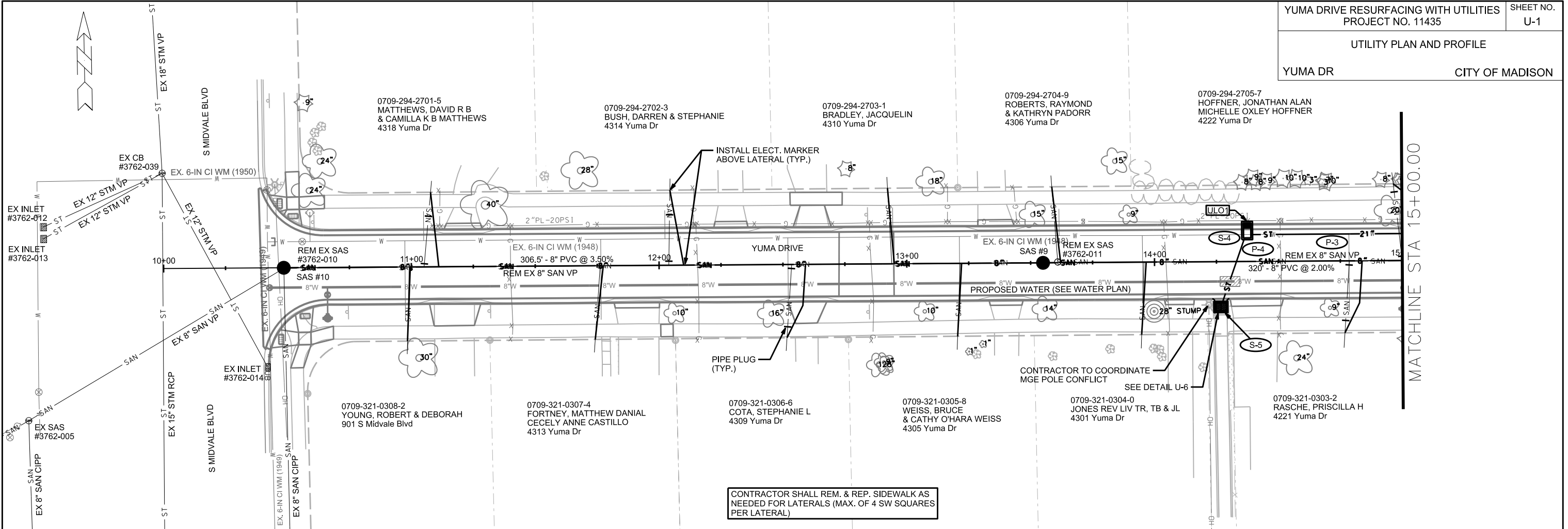


PLOT SCALE: _____

PLOT NAME: _____

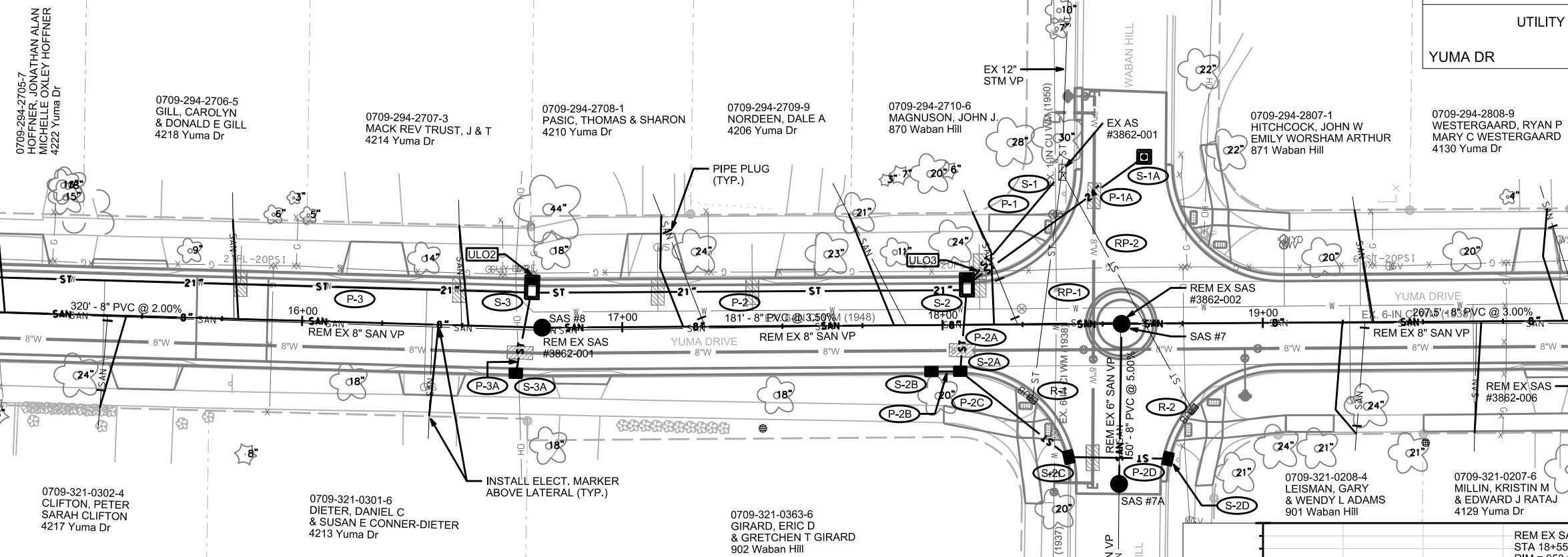
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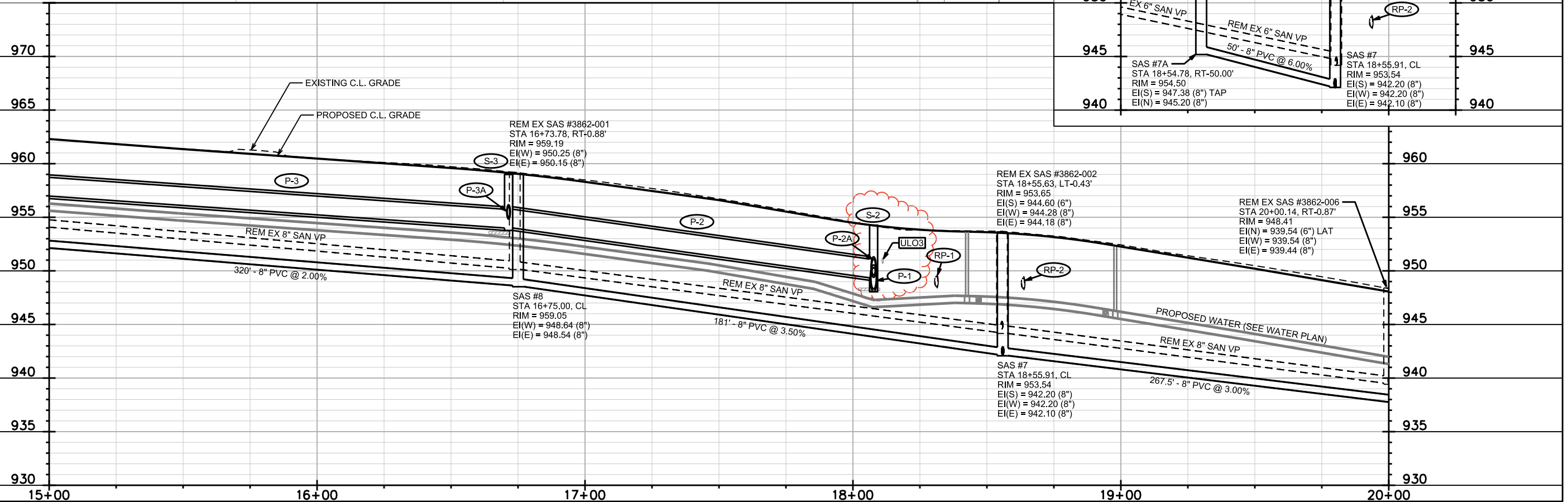


MATCHLINE STA 15+00.00

MATCHLINE STA 20+00.00

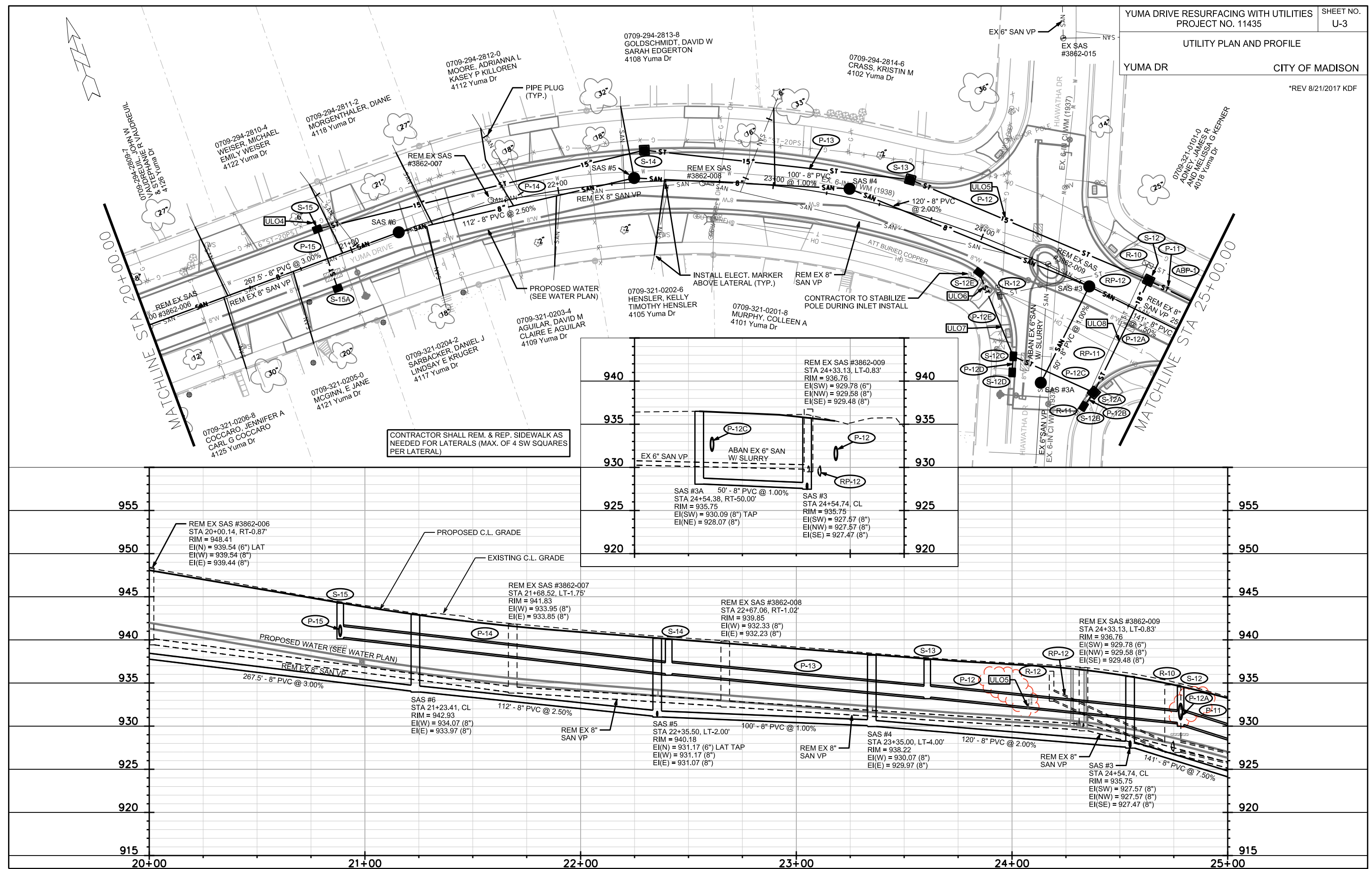


CONTRACTOR SHALL REM. & REP. SIDEWALK AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)



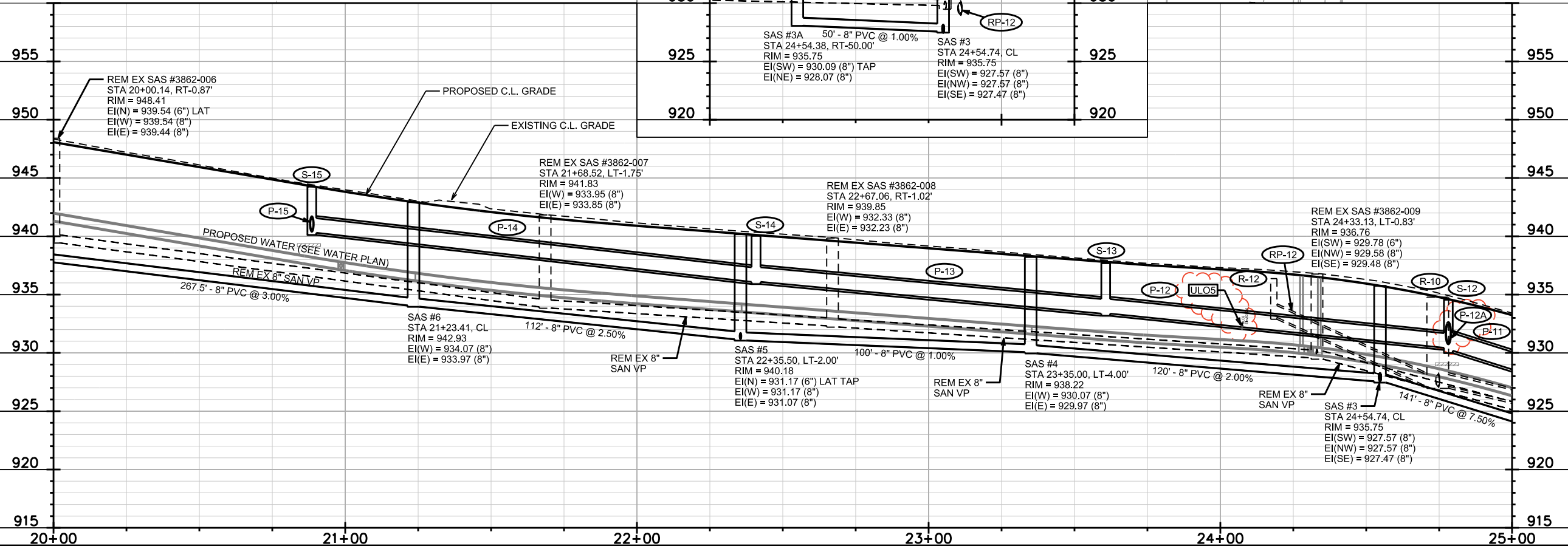
955	REM EX SAS #3862-002 STA 18+55.63, LT-0.43' RIM = 953.65 EI(S) = 944.60 (6") EI(W) = 944.28 (8") EI(E) = 944.18 (8")	955	
950		950	
945	SAS #7A STA 18+54.78, RT-50.00' RIM = 954.50 EI(S) = 947.38 (8") TAP EI(N) = 945.20 (8")	SAS #7 STA 18+55.91, CL RIM = 953.54 EI(S) = 942.20 (8") EI(W) = 942.20 (8") EI(E) = 942.10 (8")	945
940			940

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

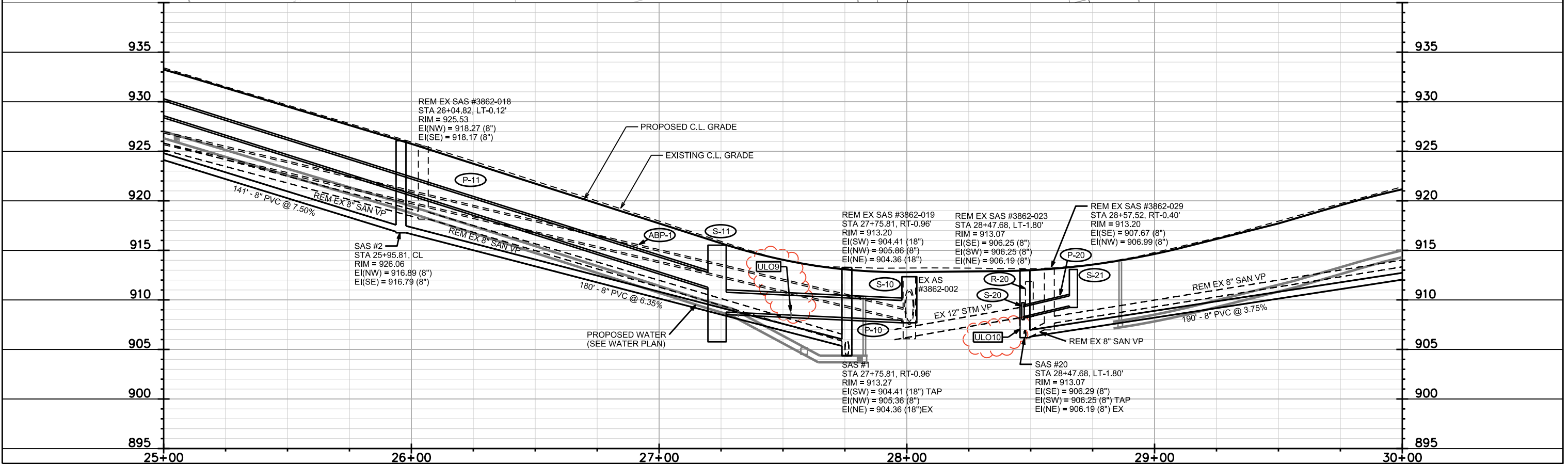
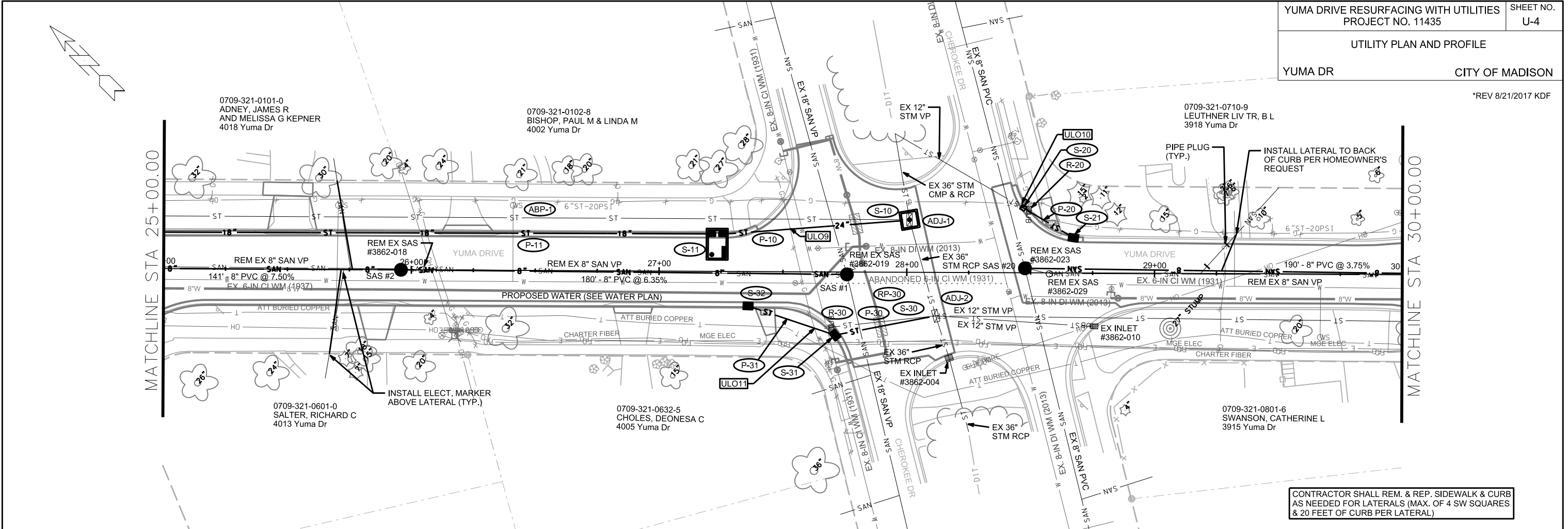


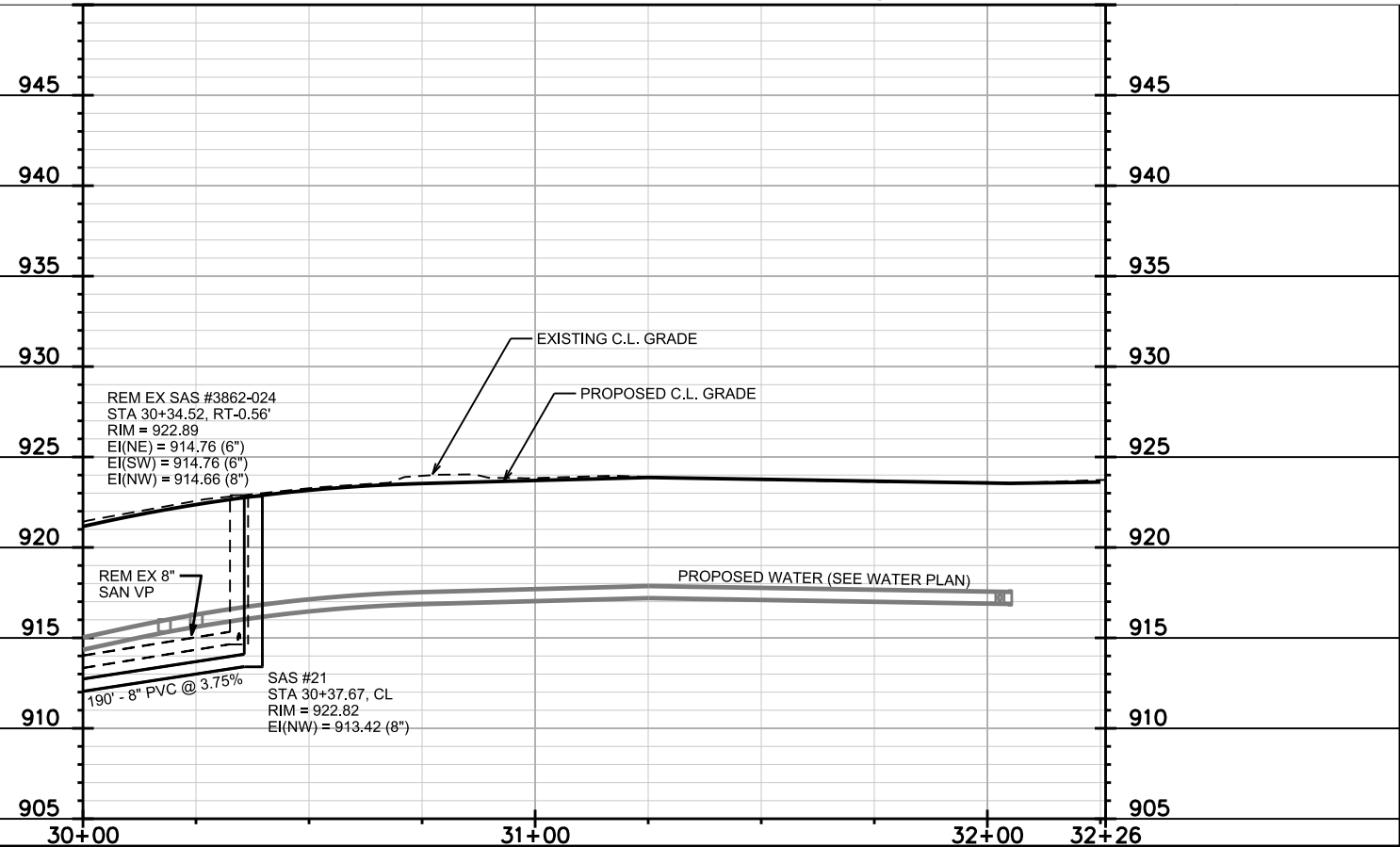
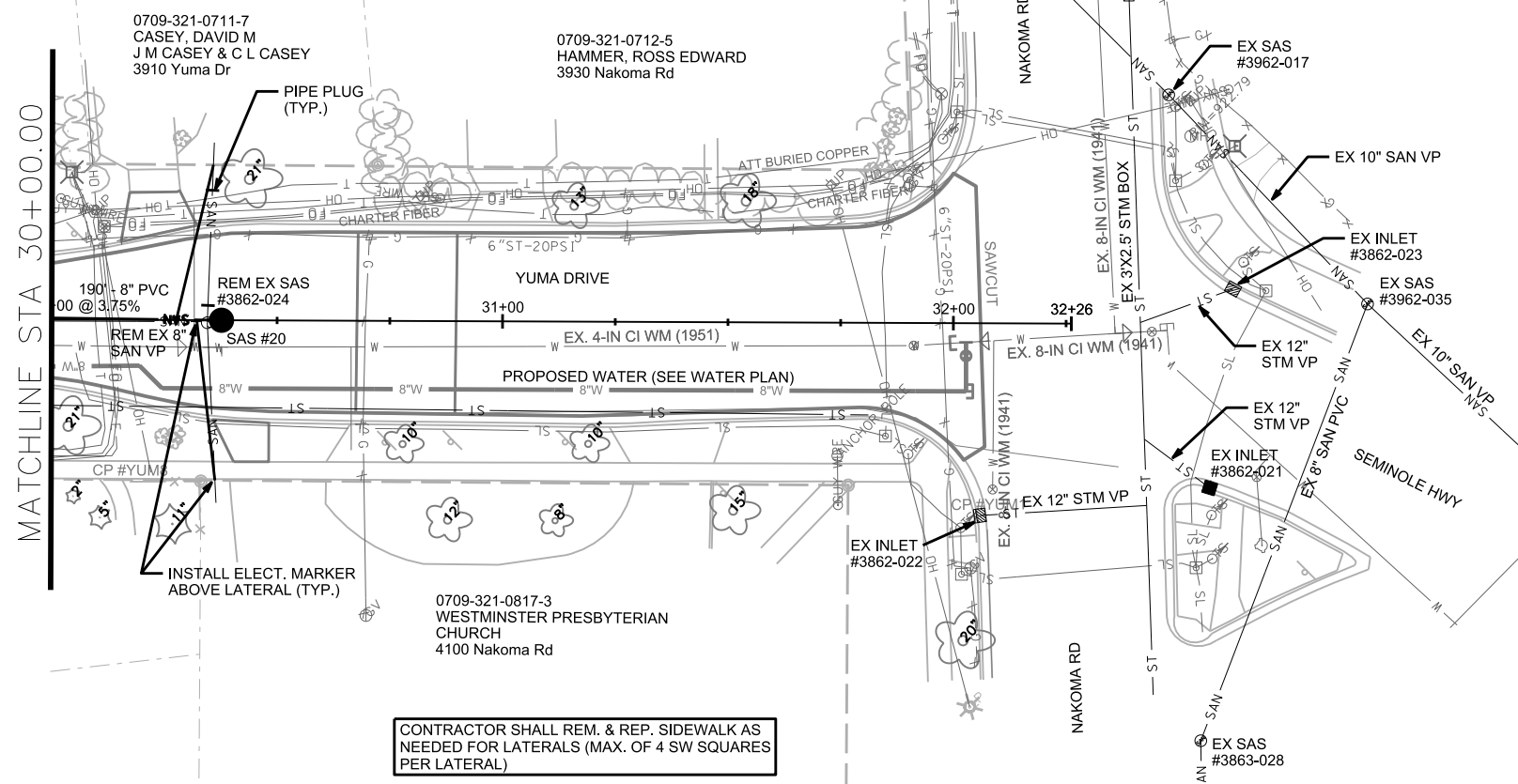
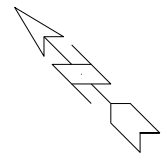
CONTRACTOR SHALL REM. & REP. SIDEWALK AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES PER LATERAL)

940	REM EX SAS #3862-009 STA 24+33.13, LT-0.83' RIM = 936.76 EI(SW) = 929.78 (6") EI(NW) = 929.58 (8") EI(SE) = 929.48 (8")	940	
935		935	
930		930	
925	SAS #3A 50' - 8" PVC @ 1.00% STA 24+54.38, RT-50.00' RIM = 935.75 EI(SW) = 930.09 (8") TAP EI(NE) = 928.07 (8")	SAS #3 STA 24+54.74 CL RIM = 935.75 EI(SW) = 927.57 (8") EI(NW) = 927.57 (8") EI(SE) = 927.47 (8")	925
920		920	



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





PLOT SCALE:

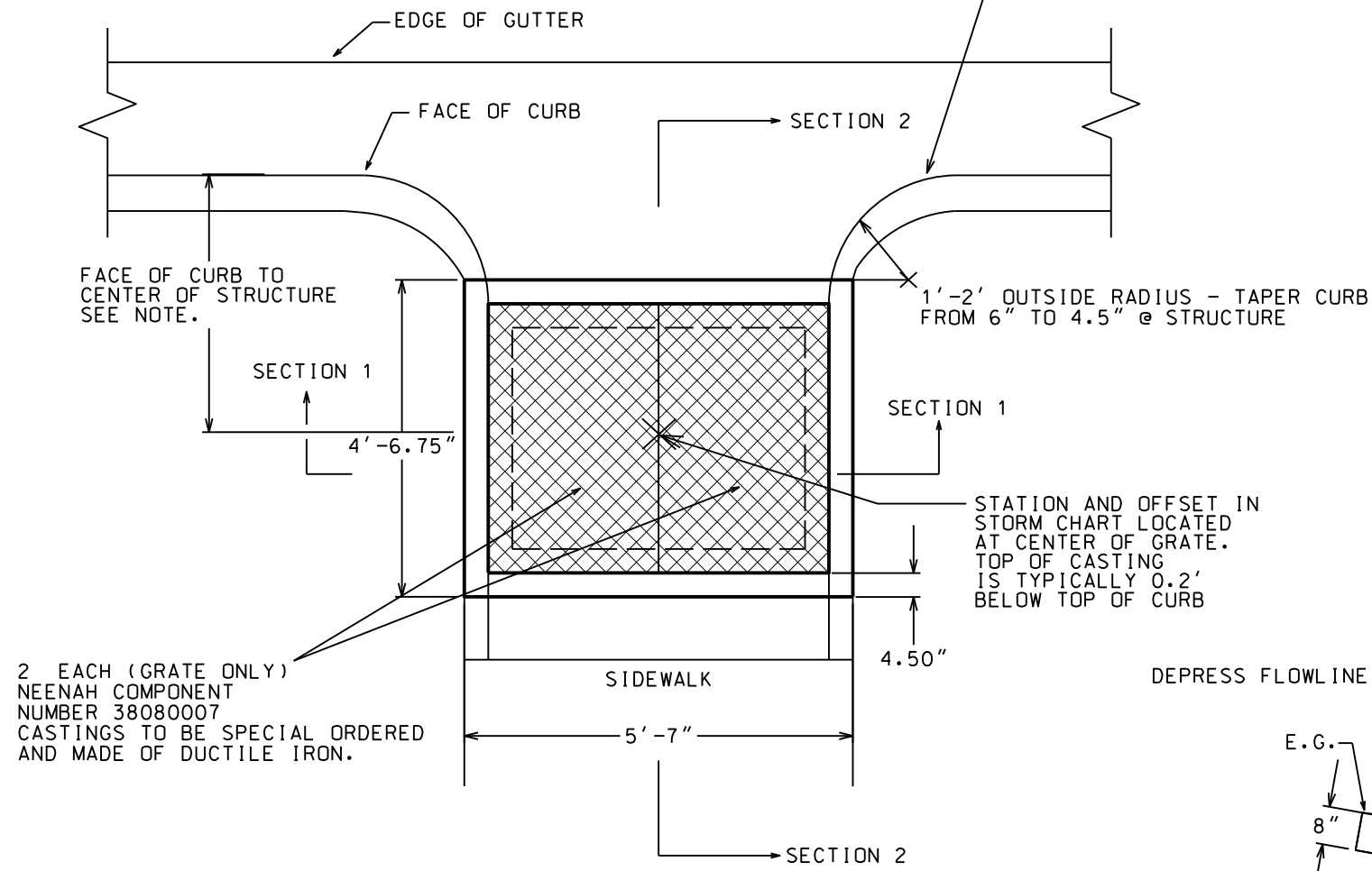
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ROAD

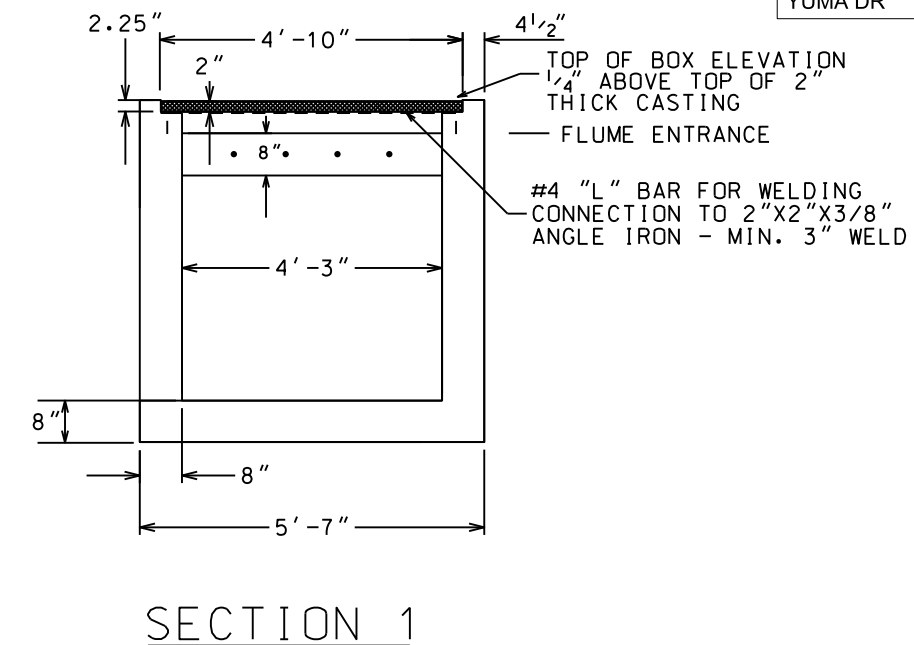
REMOVAL OF CURB & GUTTER IS PAID UNDER BID ITEM 20322. NEW CURB IS INCIDENTAL TO TERRACE INLET. (TYP)



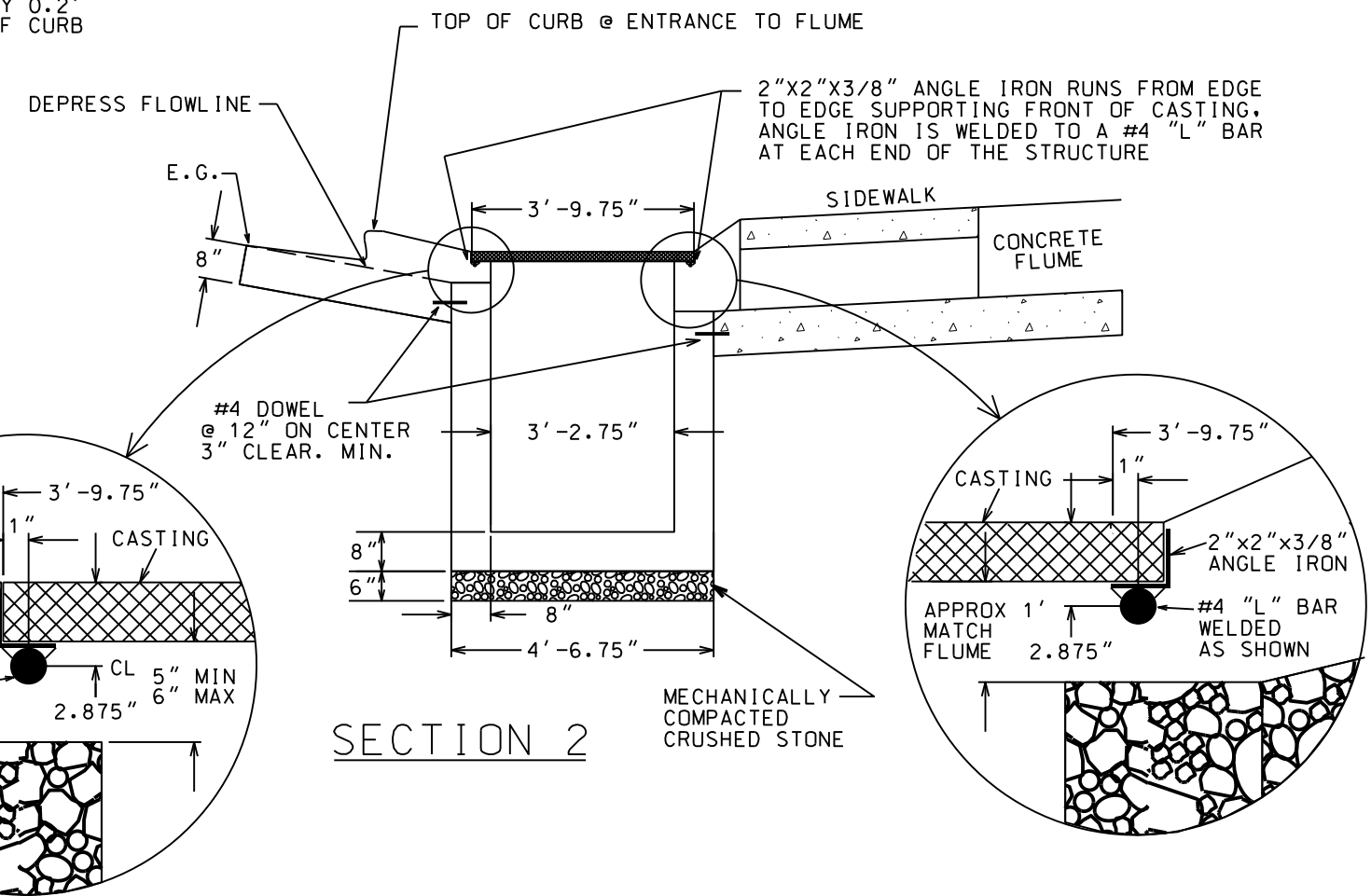
STRUCTURE
 PLAN VIEW

NOTE:
 DIMENSION FROM FACE OF CURB TO CENTER OF STRUCTURE

CURB TYPE	DISTANCE
TYPE A, D, G, X	3'-9"
TYPE B, E, H	4'-3"



SECTION 1



SECTION 2

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

SANITARY SEWER SCHEDULE

YUMA RESURFACING WITH UTILITIES	SHEET NO.
PROJECT NO. 11435	U-7
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
YUMA DRIVE						
SAS#1	27+75.81	RT-0.96	913.27	904.36	8.91	-
SAS#2	25+95.81	CL	926.06	916.79	9.27	-
SAS#3	24+54.74	CL	936.50	927.47	9.03	-
SAS #3A	24+54.38	RT-50.00	935.75	928.07	7.68	-
SAS#4	23+35.00	LT-4.00	938.22	929.97	8.25	-
SAS#5	22+35.50	LT-2.00	940.18	931.07	9.11	-
SAS#6	21+23.41	CL	942.93	933.97	8.96	-
SAS#7	18+55.91	CL	953.54	942.10	11.44	-
SAS #7A	18+54.78	RT-50.00	954.50	944.70	9.80	-
SAS#8	16+75.00	CL	959.05	948.54	10.51	-
SAS#9	16+55.00	CL	965.48	955.04	10.44	-
SAS#10	10+48.50	CL	975.48	965.88	9.60	-
SAS#20	28+47.68	LT-1.80	913.07	906.19	6.88	-
SAS#21	30+37.67	CL	922.82	913.42	9.40	-

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
YUMA DRIVE						
SAS 3762-010	10+48.53	RT-0.22	975.51	967.46	8.05	-
SAS 3762-011	13+60.94	LT-0.31	965.28	957.15	8.13	-
SAS 3862-001	16+73.78	RT-0.88	959.19	950.15	9.04	-
SAS 3862-002	18+55.63	LT-0.43	953.65	944.18	9.47	-
SAS 3862-006	20+00.14	RT-0.87	948.41	939.44	8.97	-
SAS 3862-007	21+68.52	LT-1.75	941.83	933.85	7.98	-
SAS 3862-008	22+67.06	RT-1.02	939.85	932.23	7.62	-
SAS 3862-009	24+33.13	LT-0.83	936.76	929.48	7.28	-
SAS 3862-018	26+04.82	LT-0.12	925.53	918.17	7.36	-
SAS 3862-019	27+75.81	RT-0.96	913.20	904.36	8.84	-
SAS 3862-023	28+47.68	LT-1.80	913.07	906.19	6.88	-
SAS 3862-029	28+57.52	RT-0.40	913.20	906.99	6.21	-
SAS 3862-024	30+34.52	RT-0.56	922.89	914.66	8.23	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
YUMA DRIVE								
SAS#1	SAS#2	905.36	916.79	180	6.35%	8"	SDR-35	-
SAS #2	SAS #3	916.89	927.47	141	7.50%	8"	SDR-35	-
SAS #3	SAS #3A	927.57	928.07	50	1.00%	8"	SDR-35	-
SAS #3	SAS #4	927.57	929.97	120	2.00%	8"	SDR-35	-
SAS #4	SAS #5	930.07	931.07	100	1.00%	8"	SDR-35	-
SAS #5	SAS #6	931.17	933.97	112	2.50%	8"	SDR-35	-
SAS #6	SAS #7	934.07	942.10	267.5	3.00%	8"	SDR-35	-
SAS #7	SAS #8	942.20	948.54	181	3.50%	8"	SDR-35	-
SAS #7	SAS #7A	942.20	945.20	50	6.00%	8"	SDR-35	-
SAS #8	SAS #9	948.64	955.04	320	2.00%	8"	SDR-35	-
SAS #9	SAS #10	955.14	965.88	306.5	3.50%	8"	SDR-35	-
SAS #20	SAS #21	906.29	913.42	190	3.75%	8"	SDR-35	-

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
YUMA DRIVE						
EX SAS 3762-011	EX SAS 3762-010	308	VP	8"	N	-
EX SAS 3862-001	EX SAS 3762-011	309	VP	8"	N	-
EX SAS 3862-002	EX SAS 3862-001	178	VP	8"	N	-
EX SAS 3862-002	SAS #7A	50	VP	6"	N	-
EX SAS 3862-006	EX SAS 3862-002	141	VP	8"	N	-
EX SAS 3862-007	EX SAS 3862-006	165	VP	8"	N	-
EX SAS 3862-008	EX SAS 3862-007	95	VP	8"	N	-
EX SAS 3862-009	EX SAS 3862-008	161	VP	8"	Y	-
EX SAS 3862-018	EX SAS 3862-009	168	VP	8"	N	-
EX SAS 3862-019	EX SAS 3862-018	167	VP	8"	N	-
EX SAS 3862-023	EX SAS 3862-026	6	VP	8"	N	-
EX SAS 3862-026	EX SAS 3862-024	173	VP	8"	N	-

SANITARY SEWER ABANDONMENTS

FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
YUMA DRIVE						
EX SAS 3862-009	SAS #3A	50.00	VP	6"	Y	(1)

SPECIFIC NOTES

(1) PIPE ABANDONMENT SHALL BE PAID FOR UNDER BID ITEM 20335

STORM SEWER SCHEDULE

*REV 4/17/2017 KDF

**REV 8/21/2017 KDF

YUMA RESURFACING WITH UTILITIES

PROJECT NO. 11435

SHEET NO.

U-8

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
YUMA DRIVE																		
S-1A	18+63.29	LT-52.08	3X3 SAS	951.96	947.48	4.48	W/R-1550-0054	** P-1A	S-1A	S-2	947.48	948.30	68.5	66	1.25%	24"	TYPE I	-
** S-1	18+37.76	LT-47.50	TAP	-	947.50	-	-	** P-1	S-1	S-2	947.50	948.30	46	39.9	2.00%	24"	TYPE II	-
** S-2	18+07.72	LT-12.50	3X6 SAS	954.26	948.30	5.96	FP, W/R-3067-7004-V	P-2	S-2	S-3	949.35	954.00	136	132.8	3.50%	21"	TYPE I	(1)
S-2A	18+05.44	RT-14.50	H INLET	954.04	949.83	4.21	W/R-3067-7004-V	P-2A	S-2	S-2A	949.60	949.83	27	23.1	1.00%	18"	TYPE I	-
S-2B	17+96.44	RT-14.50	H INLET	954.46	950.39	4.07	W/R-3067-7004-V	P-2B	S-2A	S-2B	950.33	950.39	9	6	1.00%	12"	TYPE II	-
S-2C	18+39.12	RT-41.50	H INLET	954.27	950.48	3.79	W/R-3067-7004-V	P-2C	S-2A	S-2C	950.08	950.48	43.5	40	1.00%	15"	TYPE II	-
S-2D	18+70.11	RT-42.22	H INLET	953.97	950.88	3.09	W/R-3067-7004-V	P-2D	S-2C	S-2D	950.73	950.88	31	29	0.50%	12"	TYPE I	-
S-3	16+71.47	LT-12.50	3X6 SAS	958.99	954.00	4.99	FP, W/R-3067-7004-V	P-3	S-3	S-4	954.00	958.04	234	231	1.75%	21"	TYPE I	(1)
S-3A	16+67.15	RT-14.50	H INLET	959.28	955.22	4.06	W/R-3067-7004-V	P-3A	S-3	S-3A	954.75	955.22	27.5	23.3	2.00%	12"	TYPE I	-
S-4	14+37.47	LT-12.50	3X6 SAS	963.05	958.04	5.01	FP, W/R-3067-7004-V	P-4	S-4	S-5	958.29	959.68	32.5	27.7	5.00%	18"	TYPE I	-
S-5	14+26.66	RT-18.28	TERRACE INLET II	963.71	959.68	4.03	(2), FP											
S-10	28+01.00	LT-21.20	6X6 SAS	912.34	907.74	4.60	(3), W/R-1550-0054	P-10	S-10	S-11	907.94	908.77	78	74.2	1.12%	24"	TYPE I	-
* S-11	27+23.40	LT-10.96	TREATMENT DEVICE	915.52	908.77	6.75	(4), (5)	P-11	S-11	S-12	911.27	930.19	244	240.1	7.88%	18"	TYPE II	-
S-12	24+78.16	LT-14.68	3X3 SAS	934.56	930.19	4.37	W/R-3067-7004-V	P-12	S-12	S-13	930.44	933.37	120	117	2.50%	15"	TYPE I	-
** S-12A	24+78.49	RT-43.21	3X3 SAS	935.34	931.76	3.58	FP, W/R-3067-7004-V	** P-12A	S-12	S-12A	930.94	931.76	58	54.8	1.50%	18"	TYPE I	-
** S-12B	24+77.01	RT-51.01	H INLET	935.75	931.83	3.92	FP, W/R-3067-7004-V	** P-12B	S-12A	S-12B	931.76	931.83	8	4.9	1.50%	18"	TYPE II	-
S-12C	24+37.51	RT-44.67	H INLET	936.49	932.60	3.89	W/R-3067-7004-V	** P-12C	S-12A	S-12C	932.01	932.60	41	38.5	1.53%	15"	TYPE I	-
S-12D	24+40.36	RT-51.58	H INLET	936.55	932.94	3.61	W/R-3067-7004-V	P-12D	S-12C	S-12D	932.85	932.94	7.5	4.5	2.00%	12"	TYPE II	-
S-12E	24+04.87	RT-15.87	H INLET	937.02	933.24	3.78	W/R-3067-7004-V	P-12E	S-12C	S-12E	932.85	933.24	42	38.6	1.00%	12"	TYPE II	-
S-13	23+60.71	LT-14.72	3X3 SAS	937.70	933.37	4.33	W/R-3067-7004-V	P-13	S-13	S-14	933.37	936.09	124	121	2.25%	15"	TYPE I	-
S-14	22+40.83	LT-14.62	3X3 SAS	940.04	936.09	3.95	W/R-3067-7004-V	P-14	S-14	S-15	936.09	940.30	156	153	2.75%	15"	TYPE I	-
S-15	20+88.55	LT-14.50	H INLET	944.26	940.30	3.96	W/R-3067-7004-V	P-15	S-15	S-15A	940.55	940.69	29	27	0.50%	12"	TYPE I	-
S-15A	20+87.83	RT-14.50	H INLET	944.28	940.69	3.59	W/R-3067-7004-V											
S-20	28+46.88	LT-26.19	COLLAR	-	908.30	-	-	P-20	S-20	S-21	908.30	909.40	23.5	22	5.00%	12"	TYPE II	-
S-21	28+67.23	LT-14.20	H INLET	913.07	909.40	3.67	FP, W/R-3067-7004-V											
S-30	28+11.75	RT-17.50	TAP	-	908.67	-	-											
S-31	27+71.11	RT-25.50	H INLET	912.90	909.24	3.66	LP, W/R-3067-7004-VB	P-30	S-30	S-31	908.67	909.24	41.5	37.7	1.50%	12"	TYPE I	-
S-32	27+36.00	RT-13.90	H INLET	915.22	911.35	3.87	W/R-3067-7004-V	** P-31	S-31	S-32	909.99	911.35	35.5	33.8	4.05%	12"	TYPE II	-

ADJUST STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
YUMA DRIVE					
ADJ-1	AS 3862-002	28+01.00	LT-21.25	CATCHBASIN	3" OF EXISTING ADJUSTMENT
ADJ-2	AS 3862-003	28+11.75	RT-17.50	CATCHBASIN	3" OF EXISTING ADJUSTMENT

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.

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 FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

SPECIFIC NOTES

- (1) OFFSET PIPE FROM CENTER OF STRUCTURE TOWARD STREET CENTERLINE
- (2) STRUCTURE SHALL BE CONSTRUCTED PER SHEET U-6
- (3) CONTRACTOR SHALL REMOVE AND REPLACE 7" OF CMP DOWNSTREAM OF STRUCTURE AND SHALL BE INCIDENTAL TO STRUCTURE
- (4) STRUCTURE SHALL BE CONSTRUCTED PER S.D.D. 5.7.39 AND S.D.D. 5.7.39A AND SHALL BE PAID FOR UNDER BID ITEM 90031
- (5) STRUCTURE SHALL BE CONSTRUCTED W/ TWIN [2] R-3067-7004-V, ONE [1] R-1550-0054, AND ONE [1] R-1877-EM

STORM SEWER SCHEDULE

*REV 8/21/2017 KDF

YUMA RESURFACING WITH UTILITIES PROJECT NO. 53W	SHEET NO. U-9
STORM SEWER SCHEDULE	
CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
YUMA DRIVE					
R-1	EX IN 3862-013	18+28.00	RT-23.35	INLET	-
R-2	EX IN 3862-014	18+78.00	RT-26.80	INLET	-
R-10	EX AS 3862-005	24+74.50	LT-21.25	5X7 CATCHBASIN	-
R-11	EX IN 3862-007	24+76.85	RT-51.65	INLET	-
R-12	EX IN 3862-006	24+18.35	RT-21.85	INLET	-
R-20	EX IN 3862-008	28+49.50	LT-24.60	INLET	-
R-30	EX IN 3862-009	2769.3	22.3	INLET	(1)

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
YUMA DRIVE							
RP-1	EX AS 3862-001	R-1	67	12"	VP	Y	-
RP-2	EX AS 3862-001	R-2	80	12"	VP	Y	-
RP-11	RP-10	RP-11	69	12"	VP	N	-
RP-12	RP-10	RP-12	65	12"	VP	Y	-
RP-30	S-30	R-31	40	12"	VP	N	-

STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV	NOTES
YUMA DRIVE					
* ULO1	14+37.20	LT-16.00	3" GAS PLASTIC	959.50	(3), CONFLICT
* ULO2	16+71.70	LT-17.10	6" GAS STEEL	954.61	OK
* ULO3	18+11.10	LT-16.10	6" GAS STEEL	951.19	CONFLICT, STORM SEWER REVISED
* ULO4	20+88.70	LT-18.70	6" GAS STEEL	941.15	OK
* ULO5	24+07.40	LT-11.50	6" GAS STEEL	932.46	(3), CONFLICT
* ULO6	24+09.30	RT-20.60	2" TELE PLASTIC	935.30	OK
* ULO7	24+27.00	RT-36.40	6" GAS STEEL	931.99	OK
* ULO8	24+78.20	RT-16.40	2" TELE PLASTIC	931.04	CONFLICT, STORM SEWER REVISED
* ULO9	27+53.20	LT-17.60	6" GAS STEEL	908.78	(3), CONFLICT
* ULO10	28+45.70	LT-27.90	6" GAS STEEL	907.43	OK
* ULO11	27+62.60	RT-22.70	6" GAS STEEL	909.73	CONFLICT, STORM SEWER REVISED

*4 UNDISTRIBUTED ULO'S INCLUDED

STORM SEWER ABANDONMENTS

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	PAID (Y/N)	NOTES
ABP-1	EX AS 3862-002	R-10	320	12"	VP	N	(2), TWO PIPE PLUGS

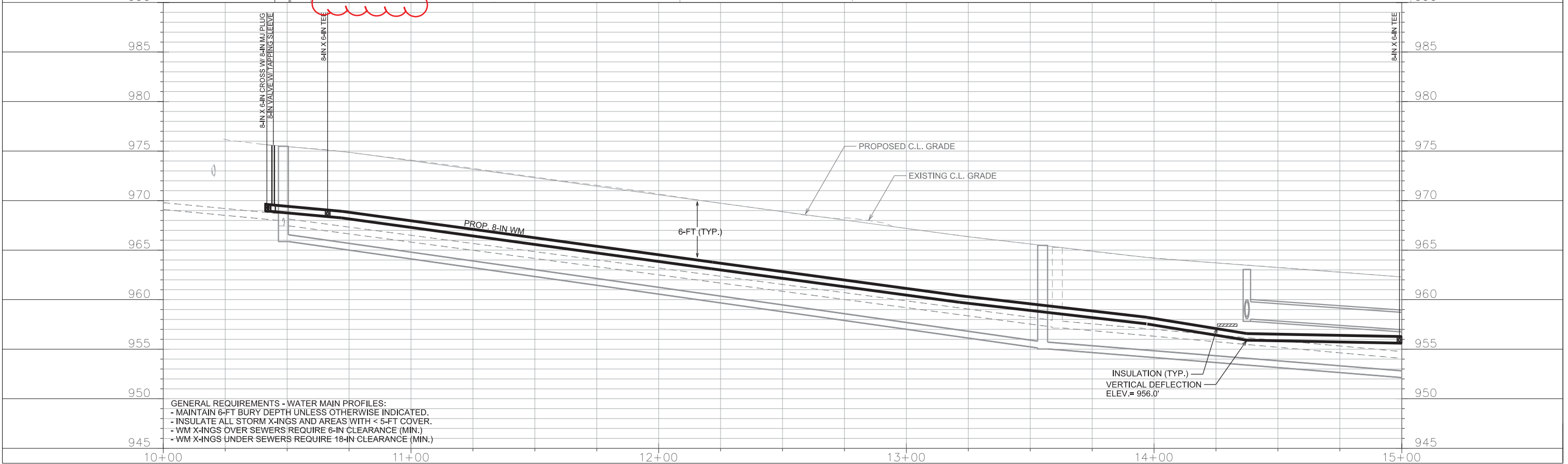
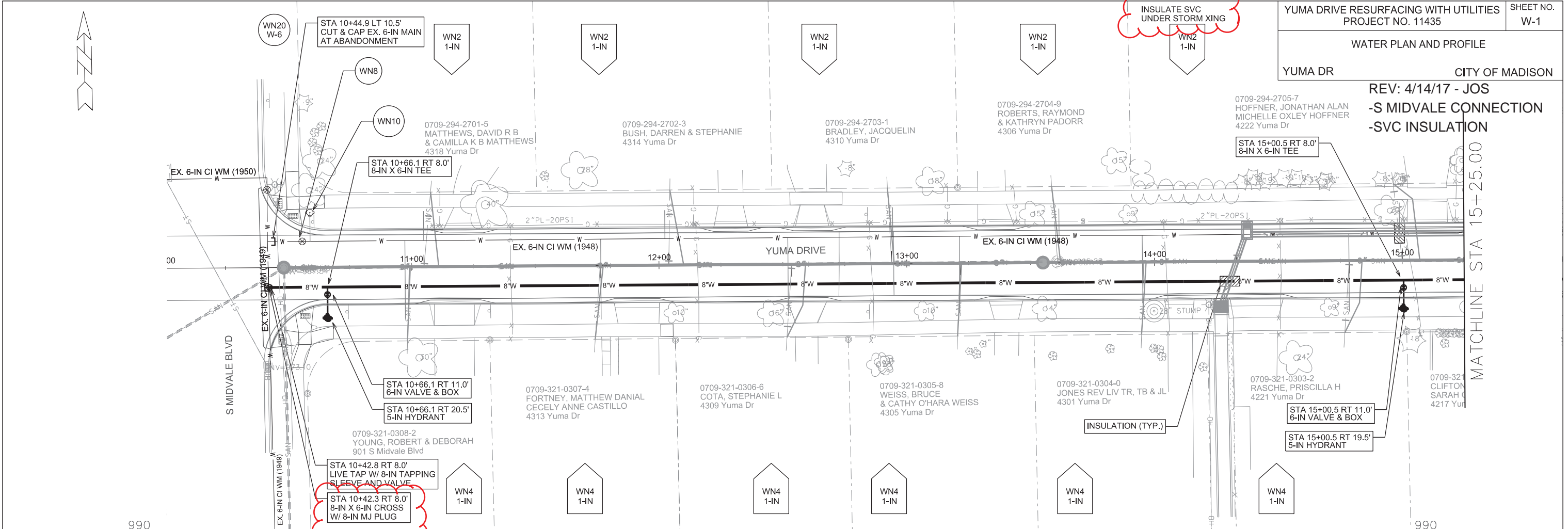
SPECIFIC NOTES

- (1) SALVAGE EXISTING INLET CASTING AND PLACE ON S-31
- (2) PIPE PLUGS PAID FOR UNDER BID ITEM 20336
- * (3) CONTRACTOR TO COORDINATE WITH PRIVATE UTILITY OWNER TO RELOCATE FACILITY AND RESOLVE CONFLICT

STANDARD NOTES:

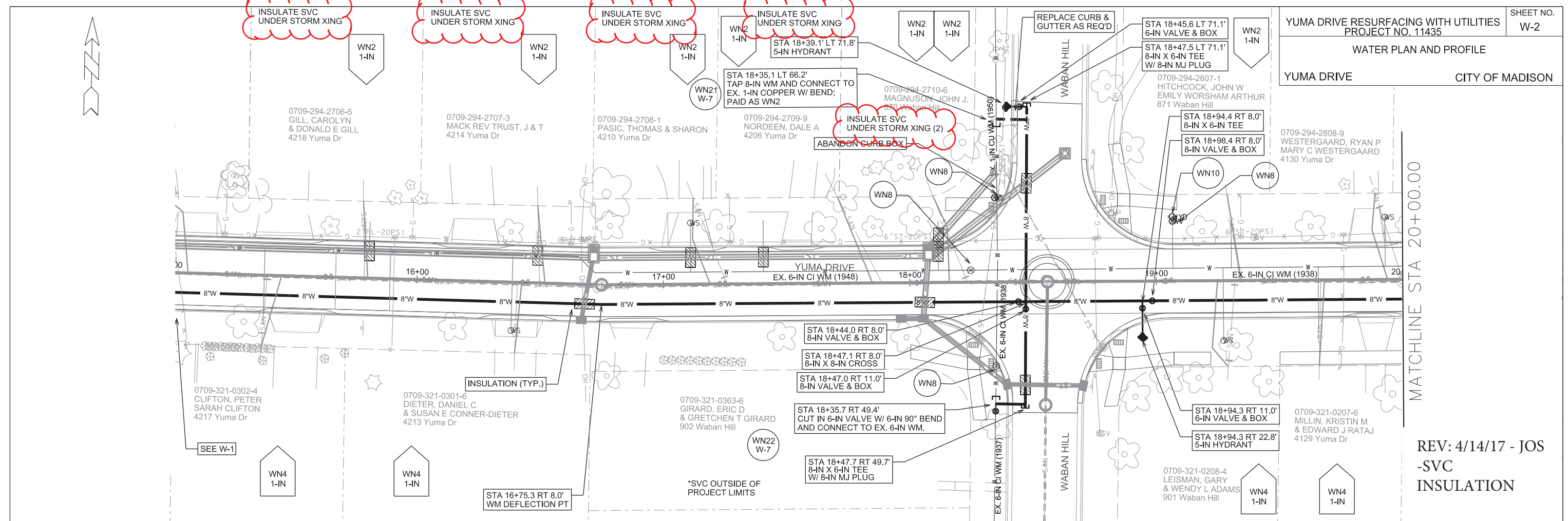
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- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING 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.

REV: 4/14/17 - JOS
 -S MIDVALE CONNECTION
 -SVC INSULATION



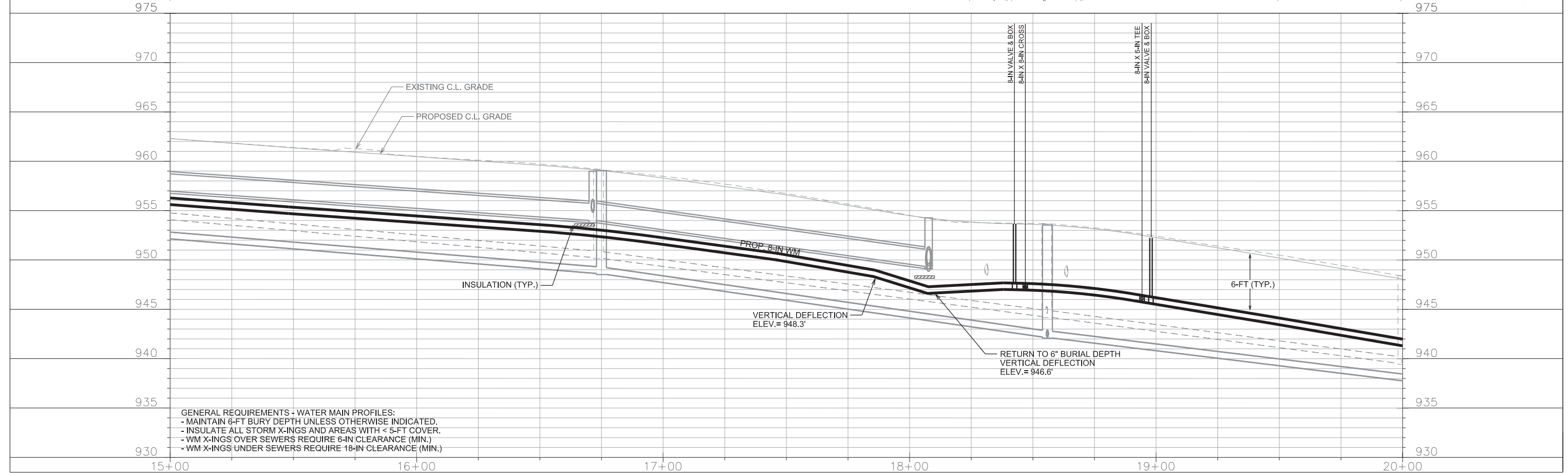
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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



MATCHLINE STA 20+00.00

REV: 4/14/17 - JOS
 -SVC
 INSULATION



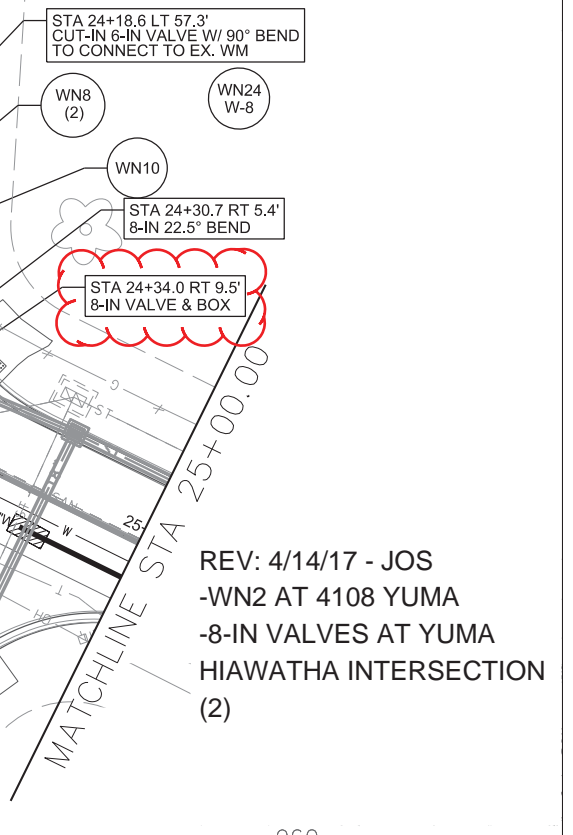
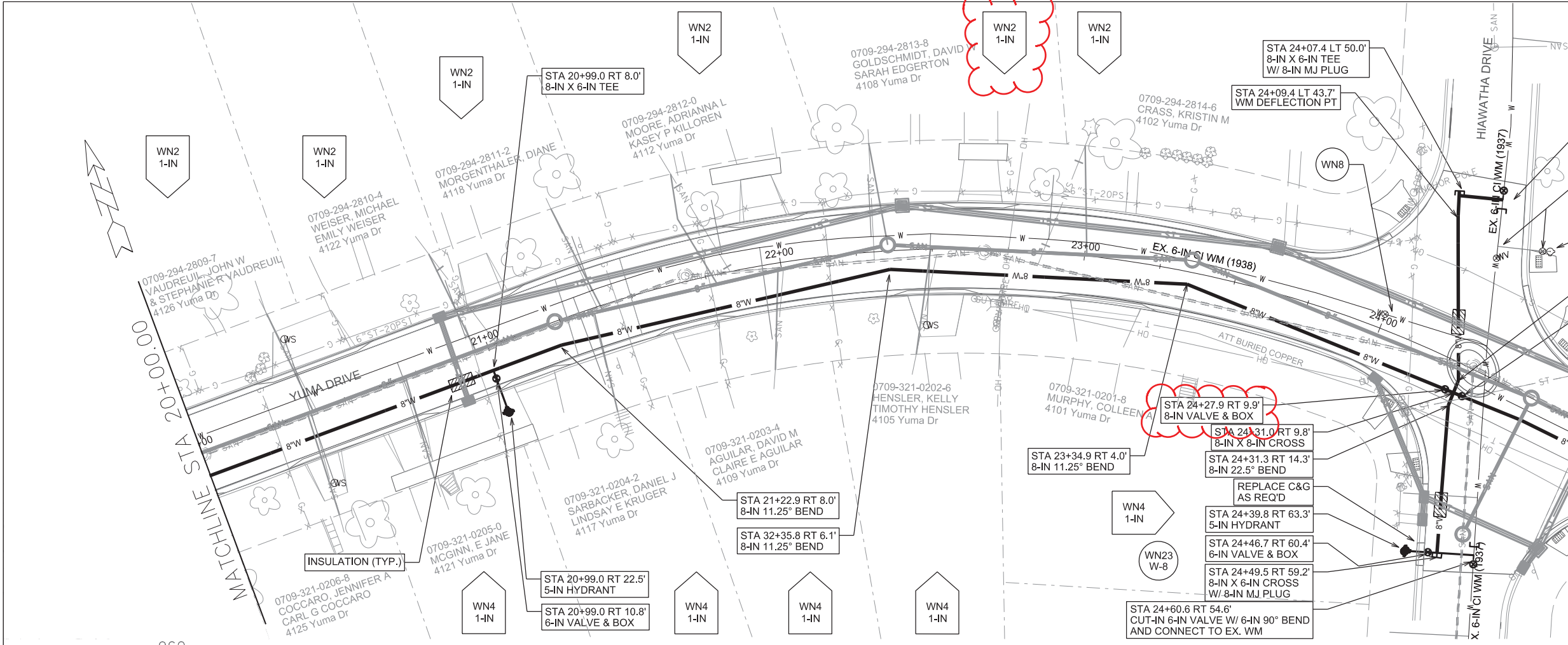
GENERAL REQUIREMENTS - WATER MAIN PROFILES:
 - MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
 - INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
 - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
 - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



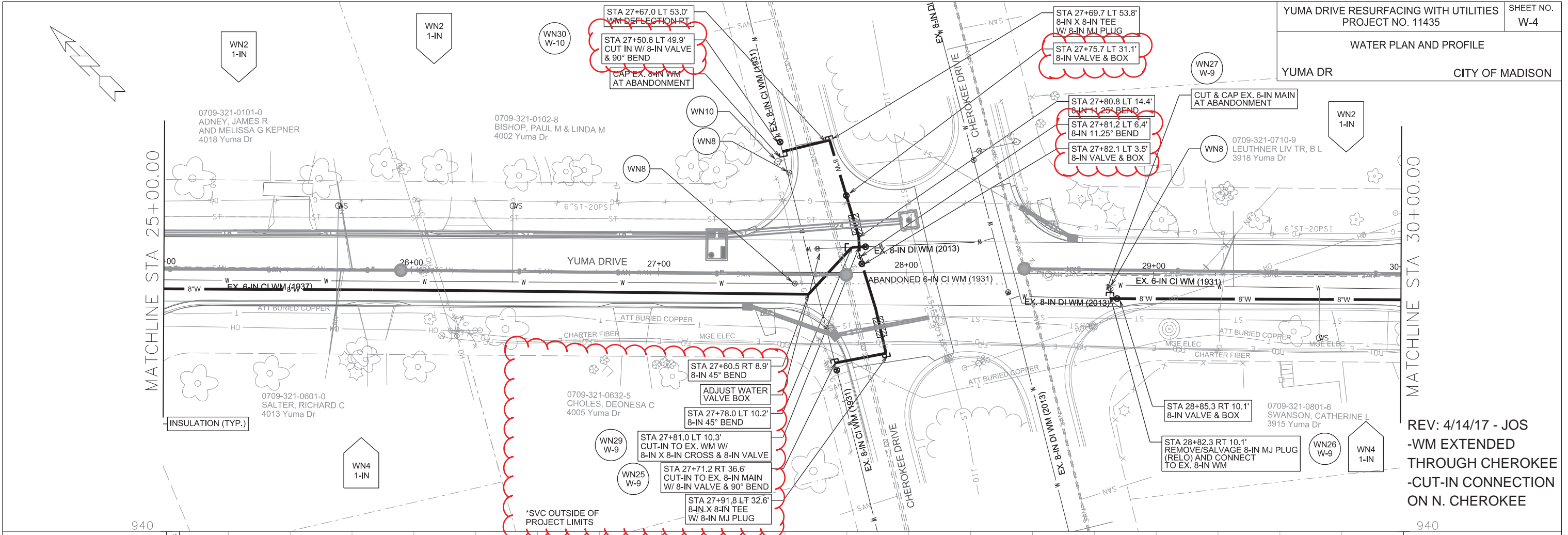
REV: 4/14/17 - JOS
-WN2 AT 4108 YUMA
-8-IN VALVES AT YUMA
HIAWATHA INTERSECTION
(2)

- 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.)

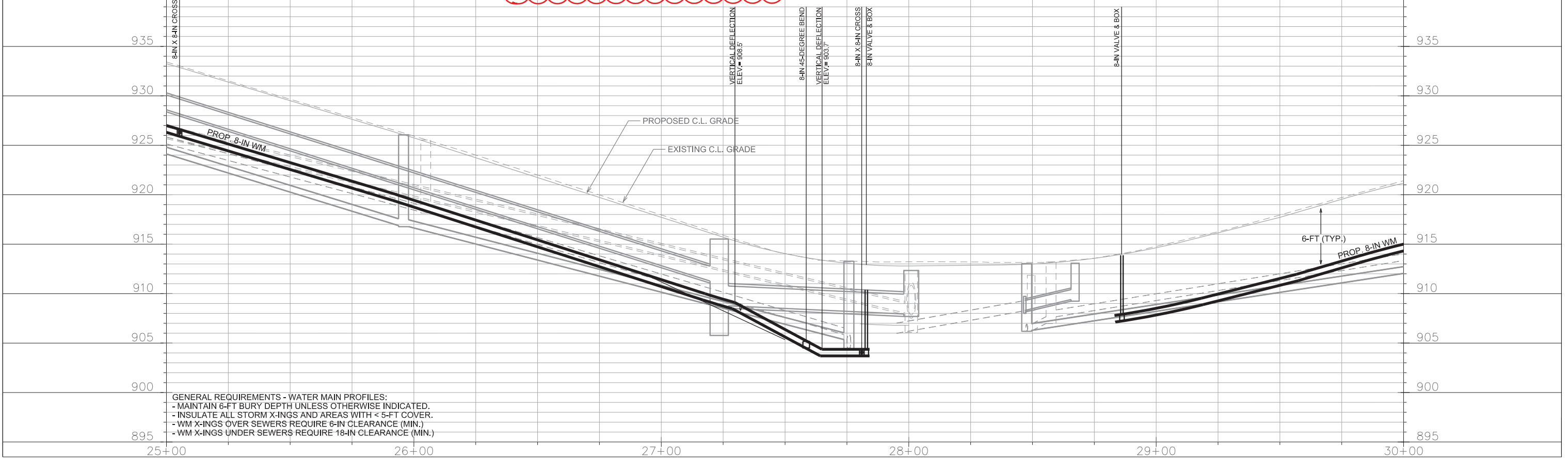
PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

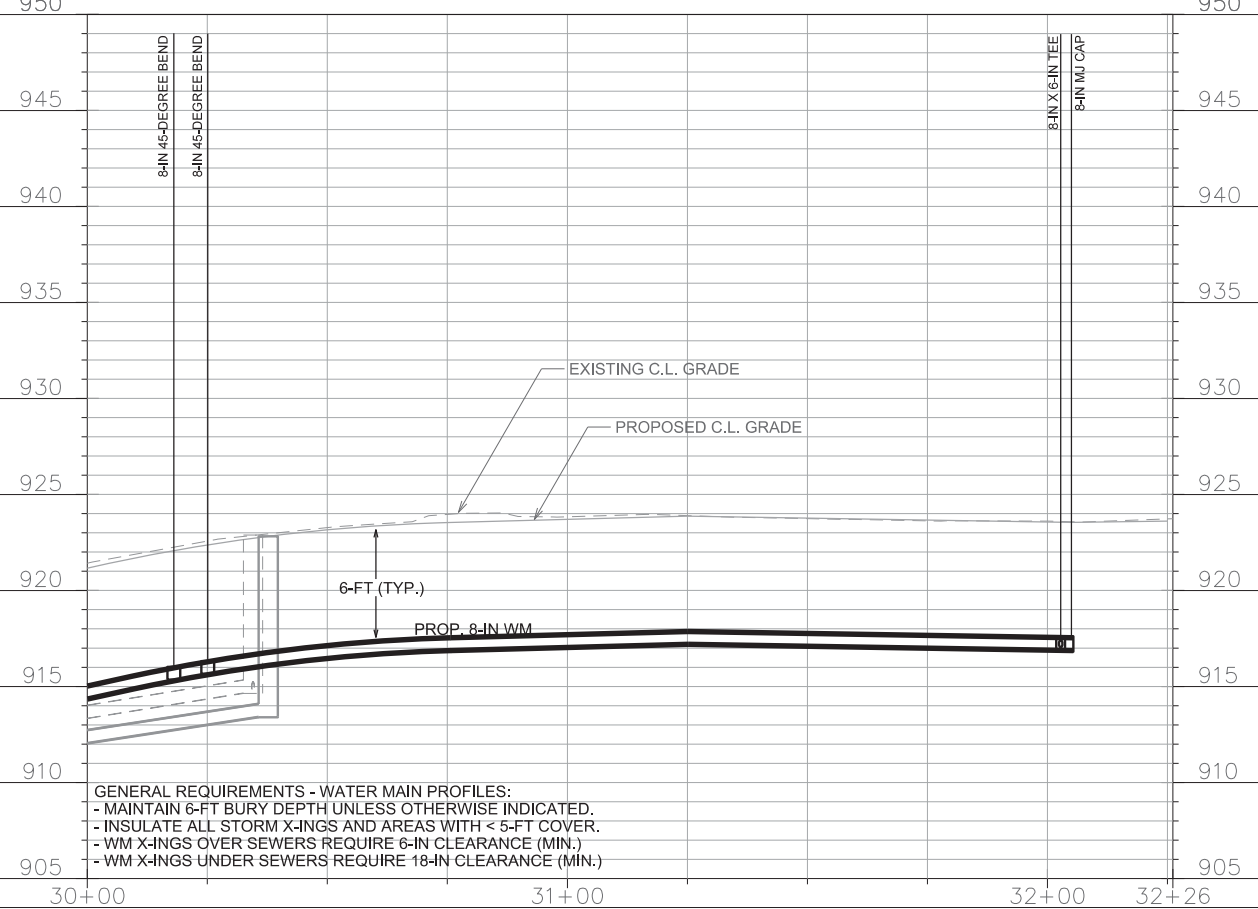
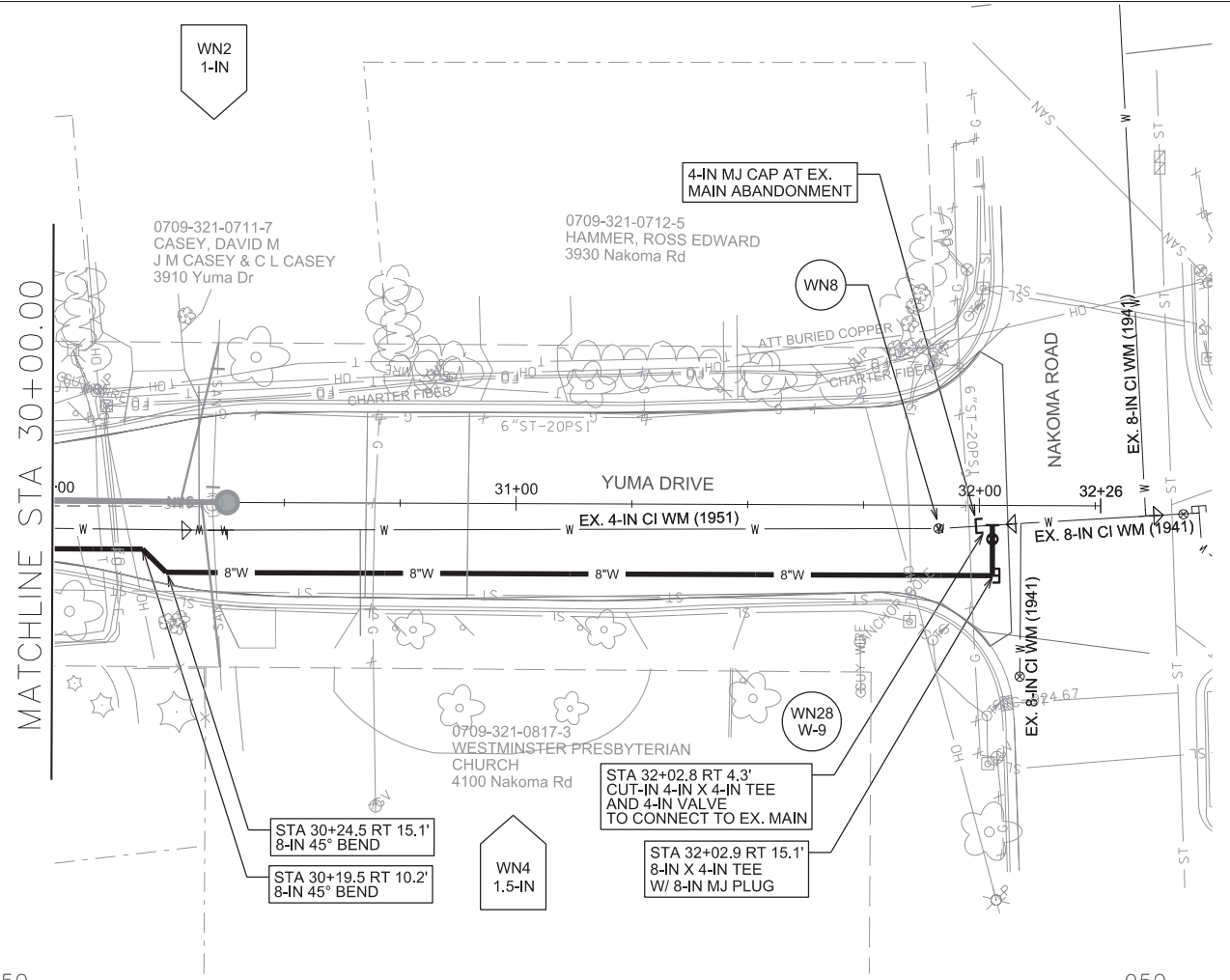
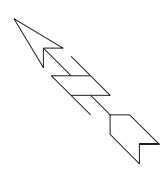


REV: 4/14/17 - JOS
 -WM EXTENDED THROUGH CHEROKEE
 -CUT-IN CONNECTION ON N. CHEROKEE



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



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.)

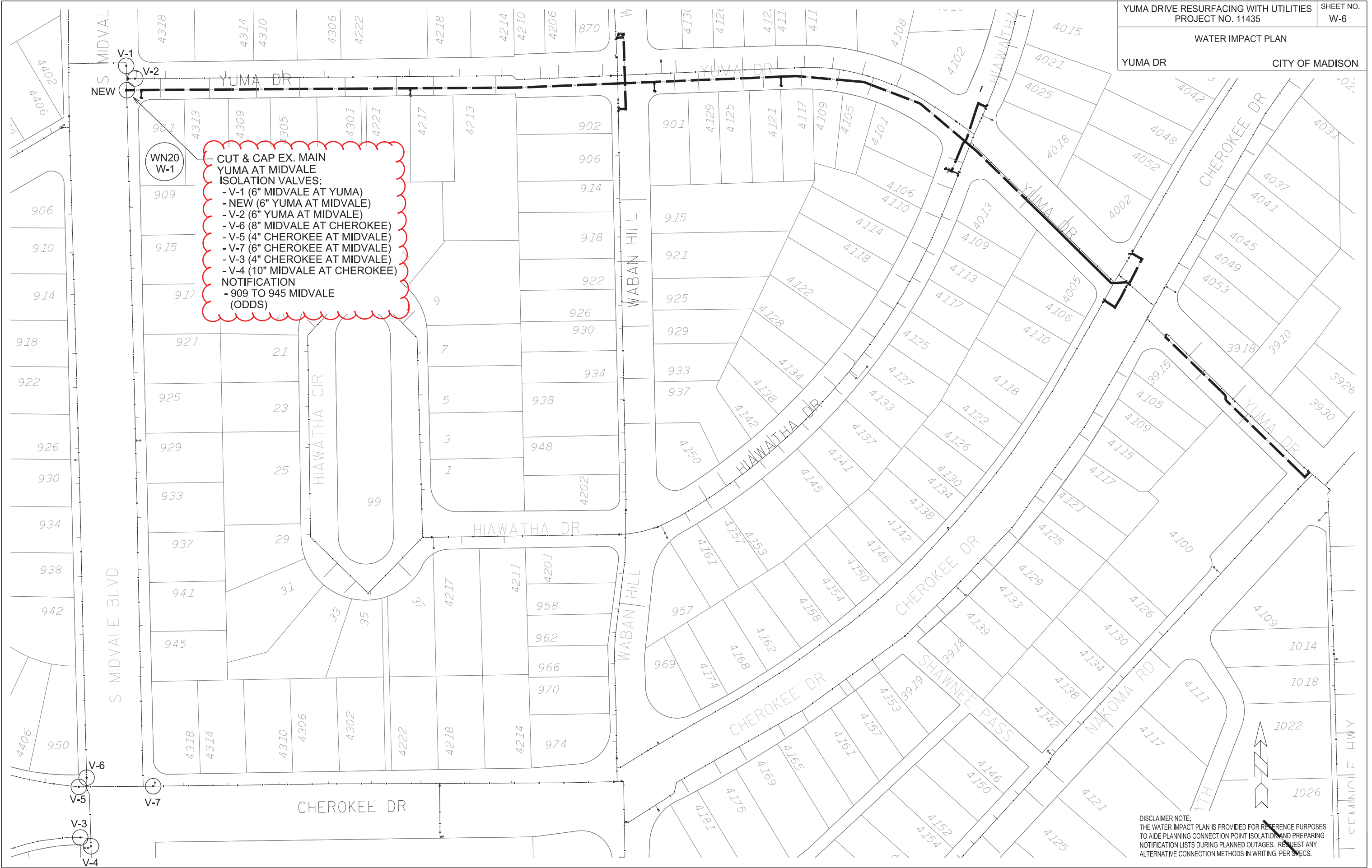
PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CUT & CAP EX. MAIN YUMA AT MIDVALE ISOLATION VALVES:

- V-1 (6" MIDVALE AT YUMA)
- NEW (6" YUMA AT MIDVALE)
- V-2 (6" YUMA AT MIDVALE)
- V-6 (8" MIDVALE AT CHEROKEE)
- V-5 (4" CHEROKEE AT MIDVALE)
- V-7 (6" CHEROKEE AT MIDVALE)
- V-3 (4" CHEROKEE AT MIDVALE)
- V-4 (10" MIDVALE AT CHEROKEE)

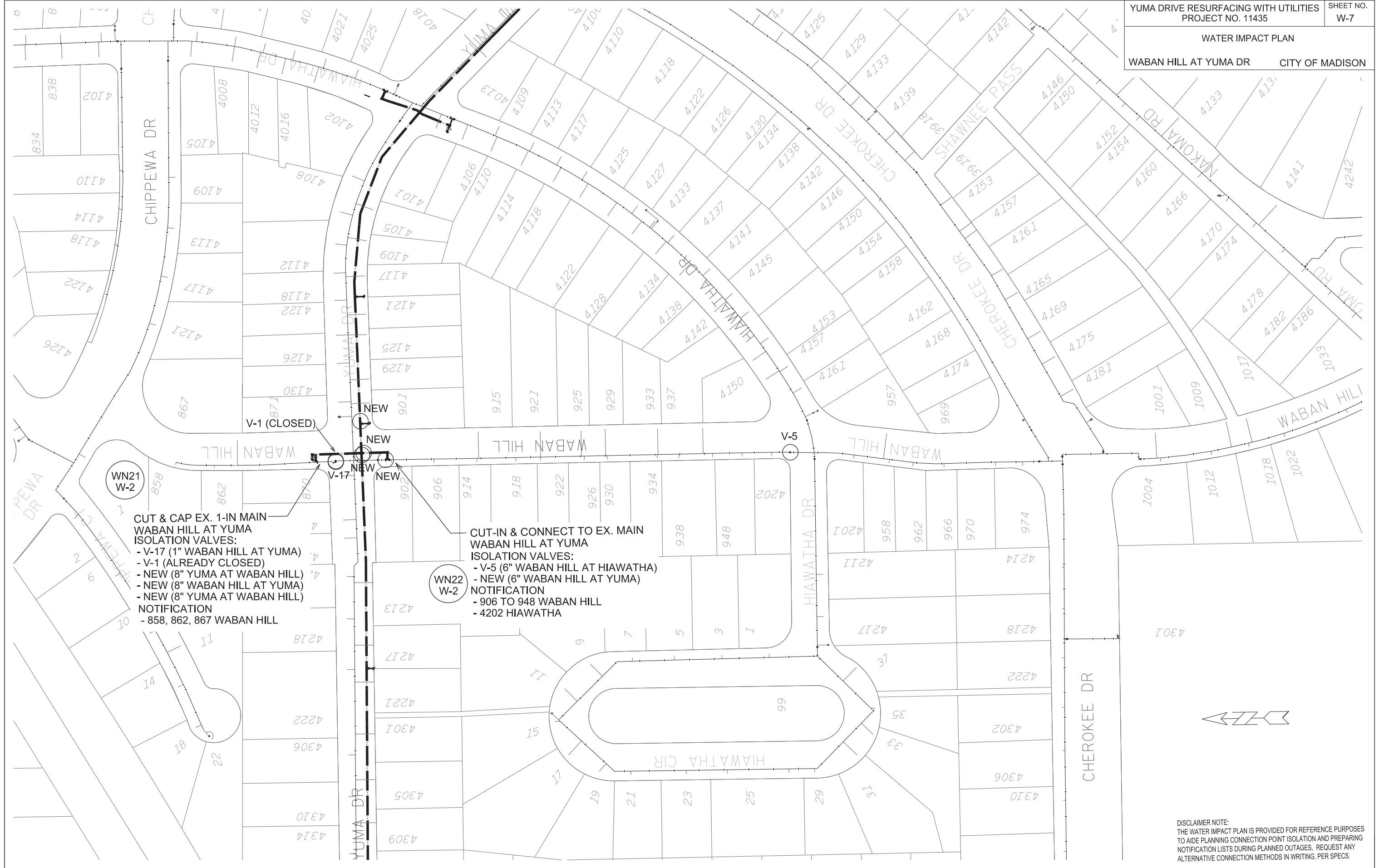
NOTIFICATION

- 909 TO 945 MIDVALE (ODDS)



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

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



CUT & CAP EX. 1-IN MAIN WABAN HILL AT YUMA ISOLATION VALVES:

- V-17 (1" WABAN HILL AT YUMA)
- V-1 (ALREADY CLOSED)
- NEW (8" YUMA AT WABAN HILL)
- NEW (8" WABAN HILL AT YUMA)
- NEW (8" YUMA AT WABAN HILL)

NOTIFICATION

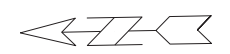
- 858, 862, 867 WABAN HILL

CUT-IN & CONNECT TO EX. MAIN WABAN HILL AT YUMA ISOLATION VALVES:

- NEW (6" WABAN HILL AT HIAWATHA)
- NEW (6" WABAN HILL AT YUMA)

NOTIFICATION

- 906 TO 948 WABAN HILL
- 4202 HIAWATHA



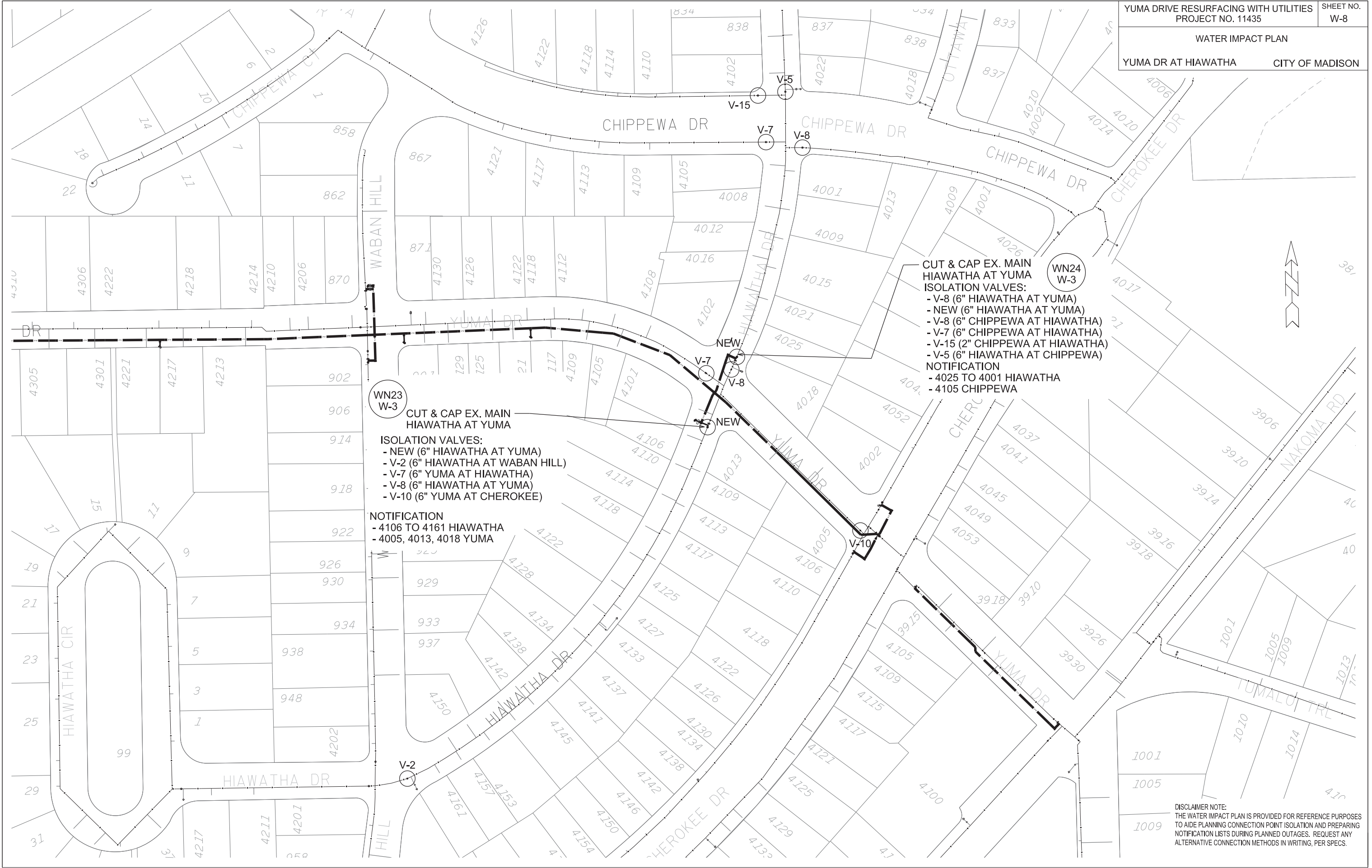
DISCLAIMER NOTE:
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WN23 W-3
CUT & CAP EX. MAIN HIAWATHA AT YUMA

ISOLATION VALVES:

- NEW (6" HIAWATHA AT YUMA)
- V-2 (6" HIAWATHA AT WABAN HILL)
- V-7 (6" YUMA AT HIAWATHA)
- V-8 (6" HIAWATHA AT YUMA)
- V-10 (6" YUMA AT CHEROKEE)

NOTIFICATION

- 4106 TO 4161 HIAWATHA
- 4005, 4013, 4018 YUMA

WN24 W-3
CUT & CAP EX. MAIN HIAWATHA AT YUMA

ISOLATION VALVES:

- V-8 (6" HIAWATHA AT YUMA)
- NEW (6" HIAWATHA AT YUMA)
- V-8 (6" CHIPPEWA AT HIAWATHA)
- V-7 (6" CHIPPEWA AT HIAWATHA)
- V-15 (2" CHIPPEWA AT HIAWATHA)
- V-5 (6" HIAWATHA AT CHIPPEWA)

NOTIFICATION

- 4025 TO 4001 HIAWATHA
- 4105 CHIPPEWA

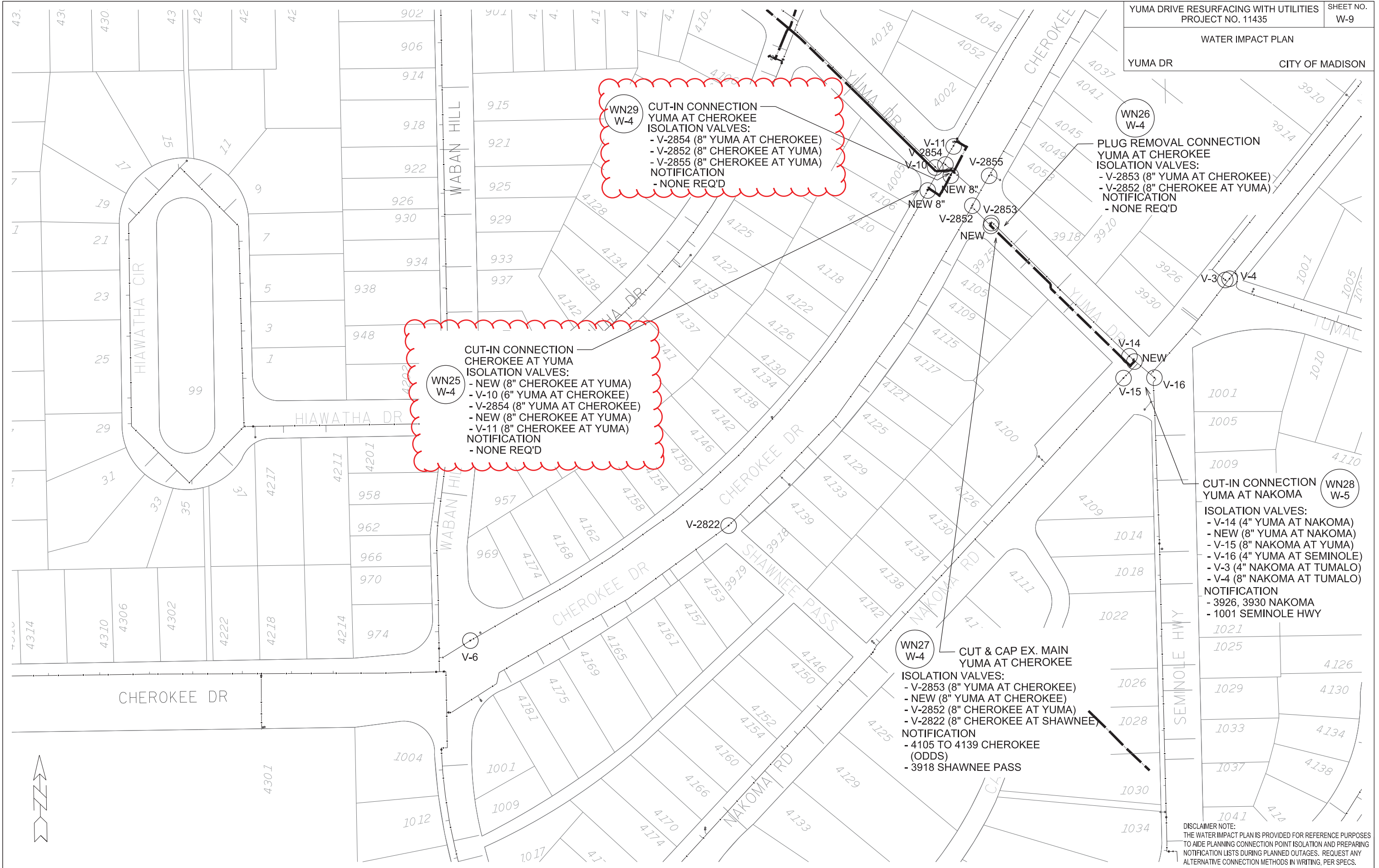
DISCLAIMER NOTE:
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



WN29 W-4
 CUT-IN CONNECTION
 YUMA AT CHEROKEE
 ISOLATION VALVES:
 - V-2854 (8" YUMA AT CHEROKEE)
 - V-2852 (8" CHEROKEE AT YUMA)
 - V-2855 (8" CHEROKEE AT YUMA)
 NOTIFICATION
 - NONE REQ'D

WN25 W-4
 CUT-IN CONNECTION
 CHEROKEE AT YUMA
 ISOLATION VALVES:
 - NEW (8" CHEROKEE AT YUMA)
 - V-10 (6" YUMA AT CHEROKEE)
 - V-2854 (8" YUMA AT CHEROKEE)
 - NEW (8" CHEROKEE AT YUMA)
 - V-11 (8" CHEROKEE AT YUMA)
 NOTIFICATION
 - NONE REQ'D

WN26 W-4
 PLUG REMOVAL CONNECTION
 YUMA AT CHEROKEE
 ISOLATION VALVES:
 - V-2853 (8" YUMA AT CHEROKEE)
 - V-2852 (8" CHEROKEE AT YUMA)
 NOTIFICATION
 - NONE REQ'D

WN27 W-4
 CUT & CAP EX. MAIN
 YUMA AT CHEROKEE
 ISOLATION VALVES:
 - V-2853 (8" YUMA AT CHEROKEE)
 - NEW (8" YUMA AT CHEROKEE)
 - V-2852 (8" CHEROKEE AT YUMA)
 - V-2822 (8" CHEROKEE AT SHAWNEE)
 NOTIFICATION
 - 4105 TO 4139 CHEROKEE
 (ODDS)
 - 3918 SHAWNEE PASS

WN28 W-5
 CUT-IN CONNECTION
 YUMA AT NAKOMA
 ISOLATION VALVES:
 - V-14 (4" YUMA AT NAKOMA)
 - NEW (8" YUMA AT NAKOMA)
 - V-15 (8" NAKOMA AT YUMA)
 - V-16 (4" YUMA AT SEMINOLE)
 - V-3 (4" NAKOMA AT TUMALO)
 - V-4 (8" NAKOMA AT TUMALO)
 NOTIFICATION
 - 3926, 3930 NAKOMA
 - 1001 SEMINOLE HWY

DISCLAIMER NOTE:
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 TO AIDE PLANNING CONNECTION POINT ISOLATION AND PREPARING
 NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
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PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

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.

REV: 4/14/17 - JOS
 MATERIALS UPDATED TO MATCH DESIGN CHANGES

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- | | |
|-----------------------|----------------------|
| 20-FT - 4-IN PIPE | 3 - 6-IN 90° BEND |
| 120-FT - 6-IN PIPE | 5 - 8-IN 11.25° BEND |
| 2440-FT - 8-IN PIPE | 2 - 8-IN 22.5° BEND |
| 1 - 4-IN VALVE & BOX | 4 - 8-IN 45° BEND |
| 9 - 6-IN VALVE & BOX | 2 - 8-IN 90° BEND |
| 11 - 8-IN VALVE & BOX | 7 - 8-IN MJ PLUG |
| 1 - 4-IN X 4-IN TEE | 1 - 1-IN MJ CAP |
| 1 - 8-IN X 4-IN TEE | 1 - 4-IN MJ CAP |
| 7 - 8-IN X 6-IN TEE | 5 - 6-IN MJ CAP |
| 2 - 8-IN X 8-IN TEE | 3 - 8-IN MJ CAP |
| 2 - 8-IN X 6-IN CROSS | 6 - HYDRANT |
| 3 - 8-IN X 8-IN CROSS | 2840-FT - POLY WRAP |
| | 144 - FT INSULATION |

MATERIALS SUPPLIED BY CITY:

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

- 1 - 8-IN TAPPING SLEEVE
- 1 - 8-IN TAPPING VALVE

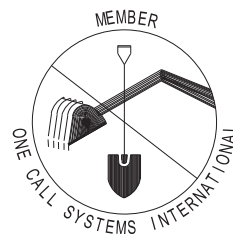
ESTIMATE OF MATERIALS SALVAGED:

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

- 1 - 8-IN MJ PLUG

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.

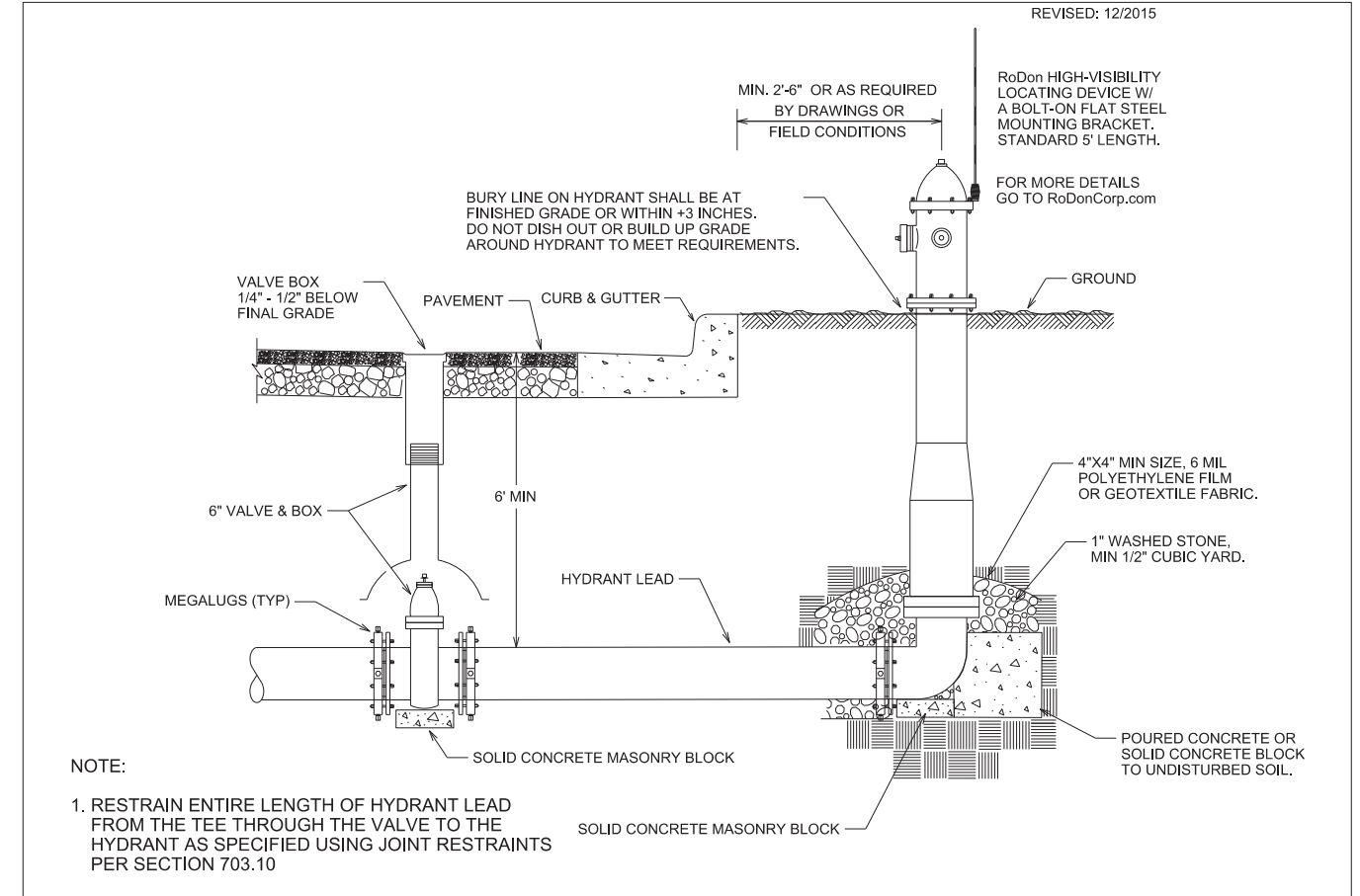


DISCLAIMER NOTE:
 UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



CITY OF MADISON
 WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

YUMA DRIVE

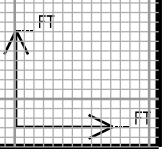
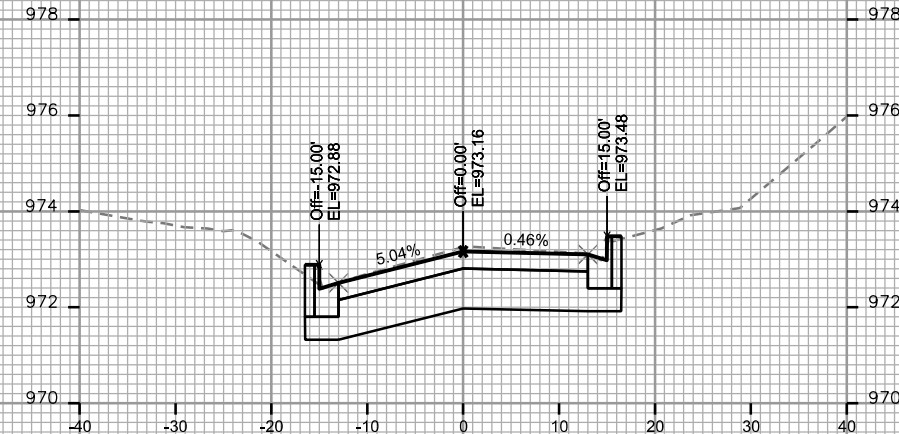
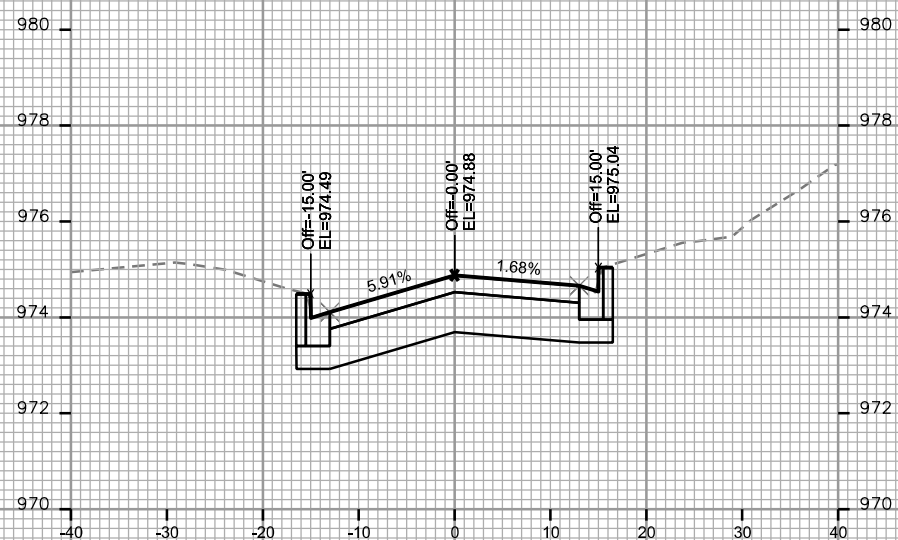
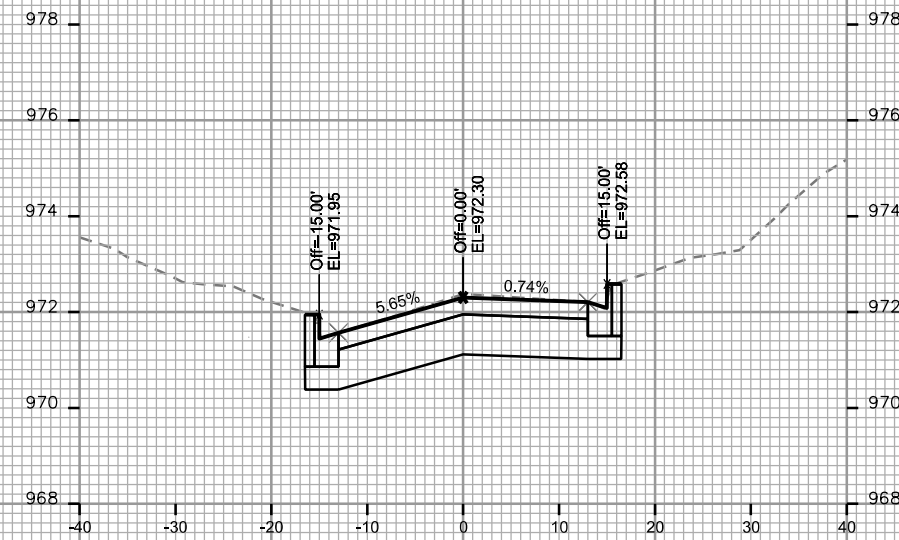
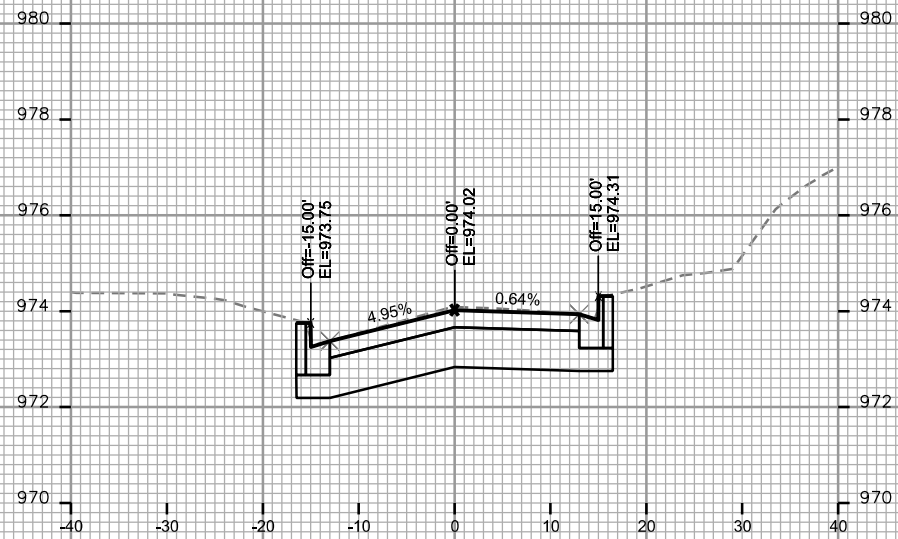
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

YUMA DRIVE

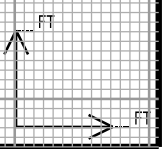
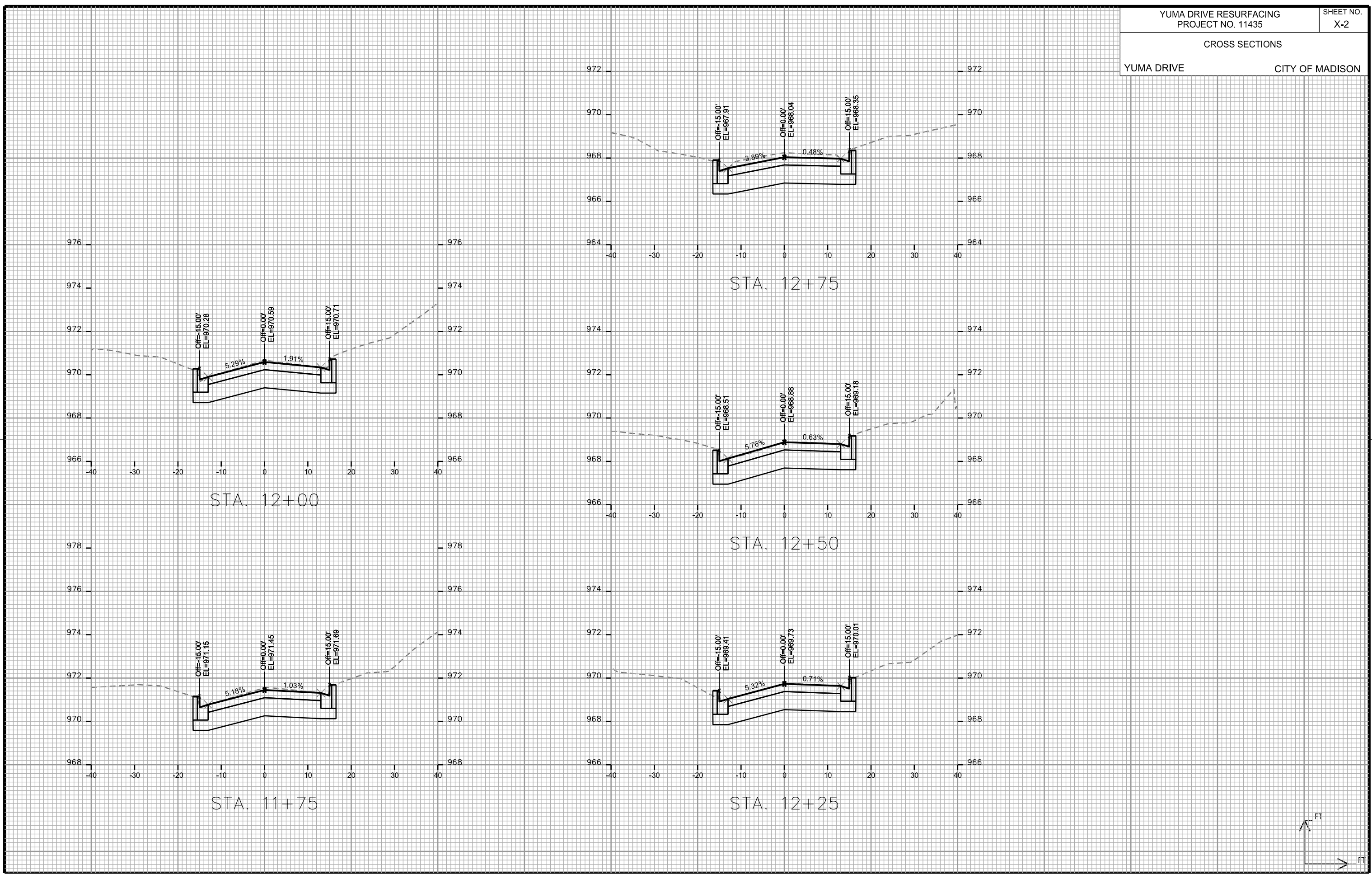
CITY OF MADISON

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YUMA DRIVE

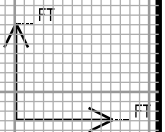
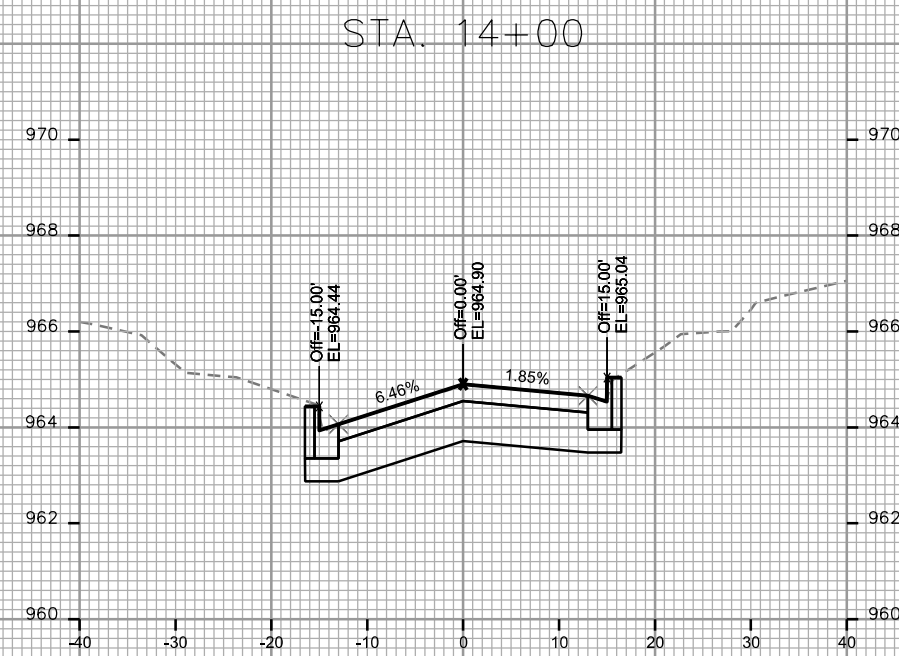
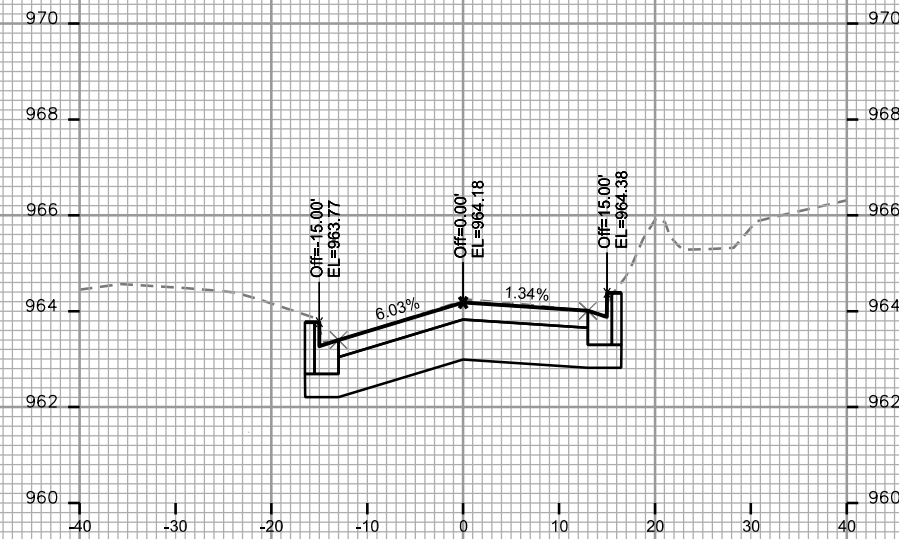
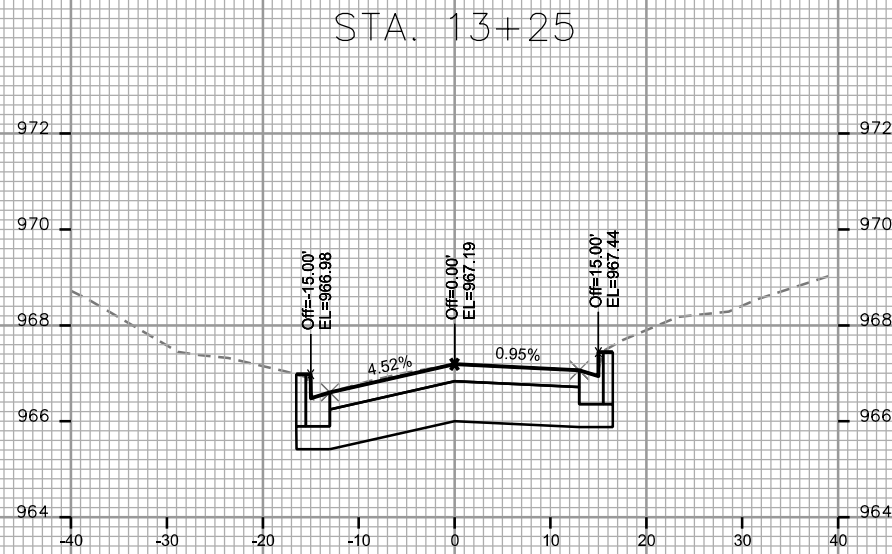
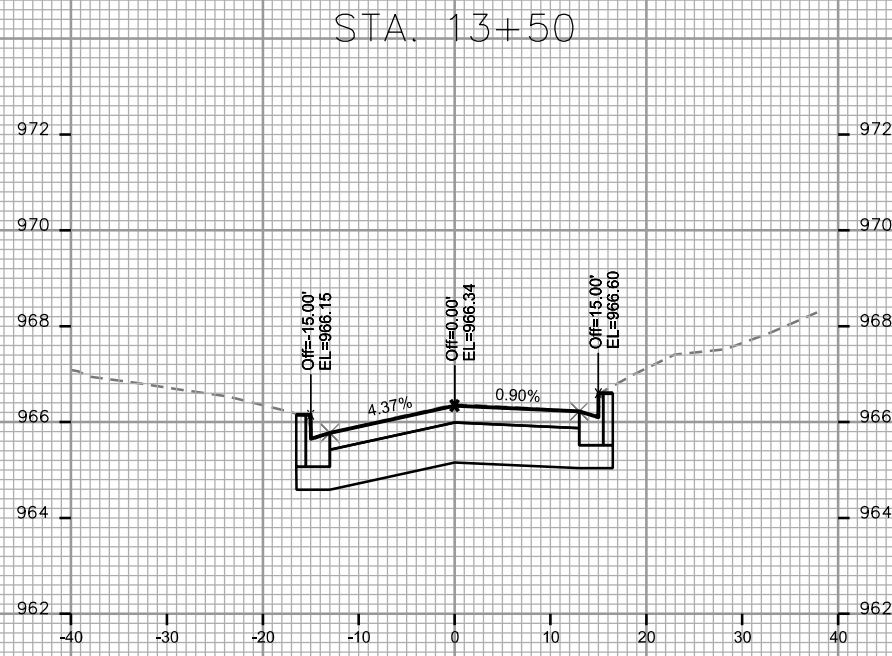
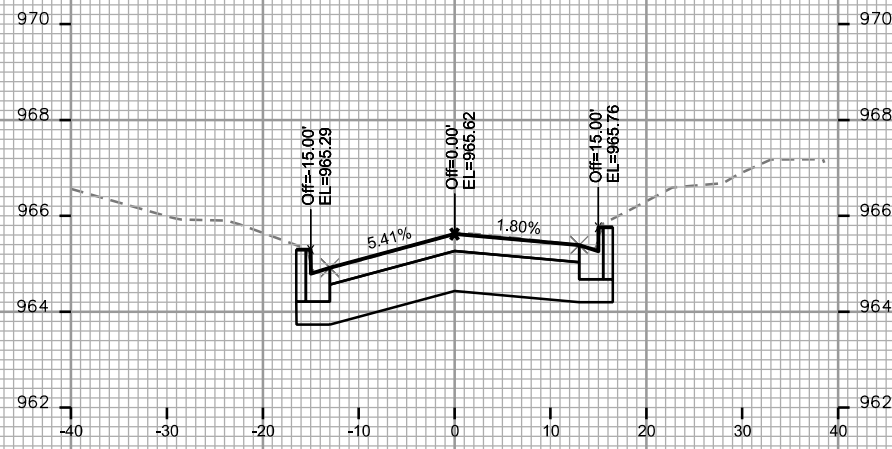
CITY OF MADISON

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CROSS SECTIONS

YUMA DRIVE

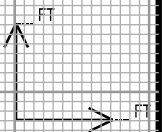
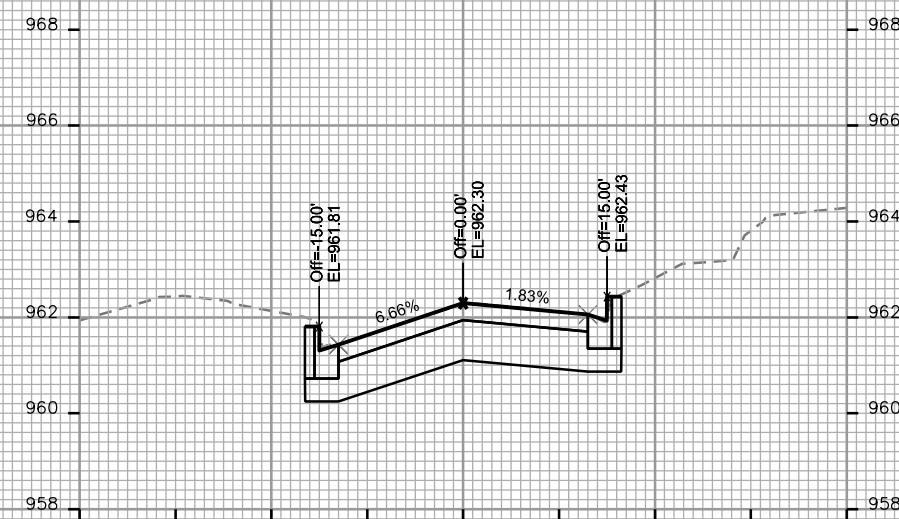
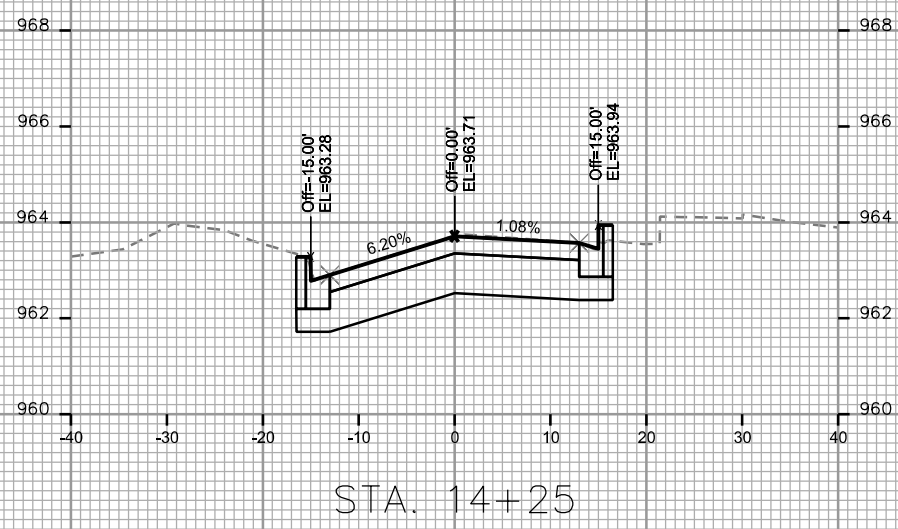
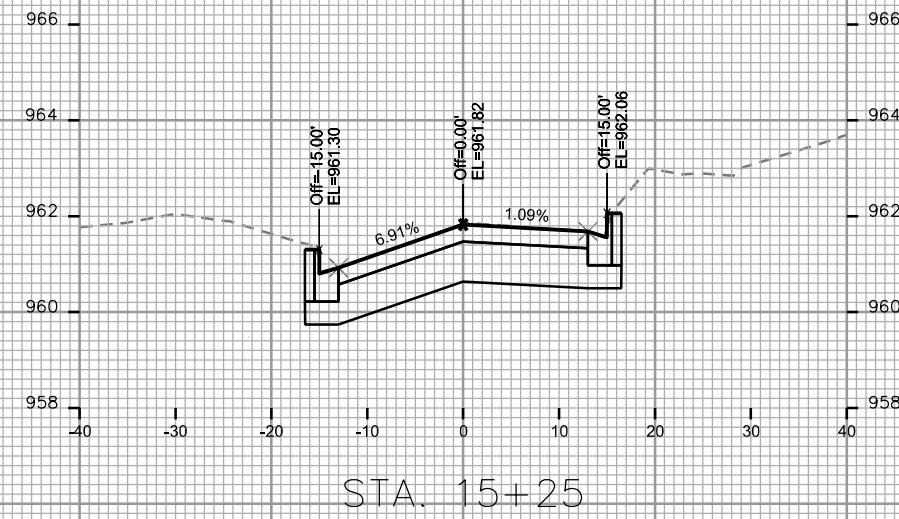
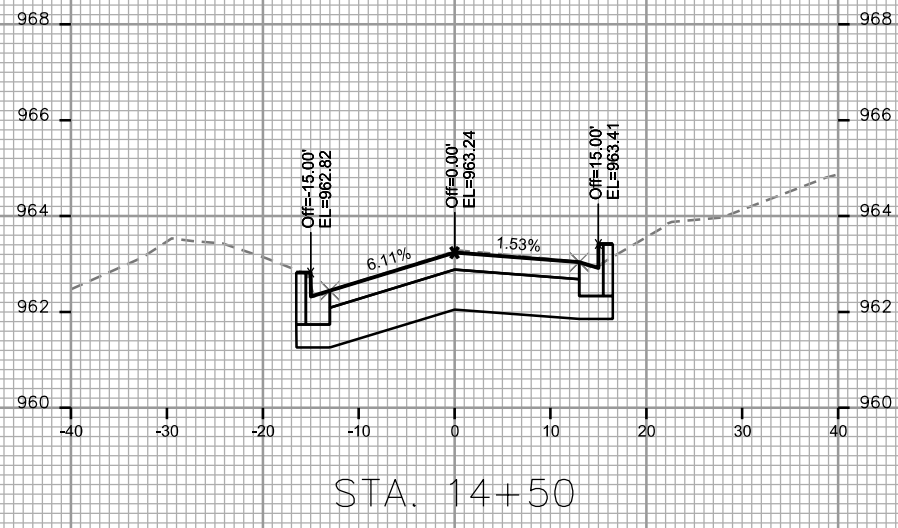
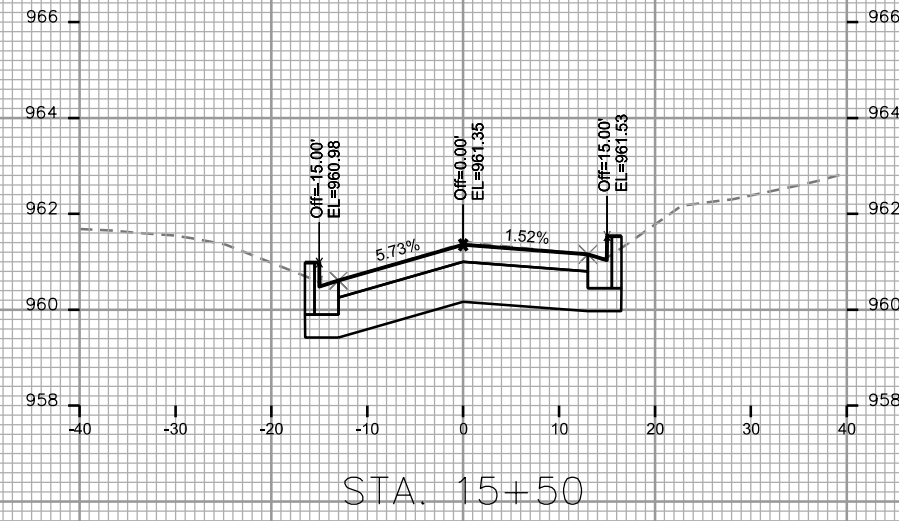
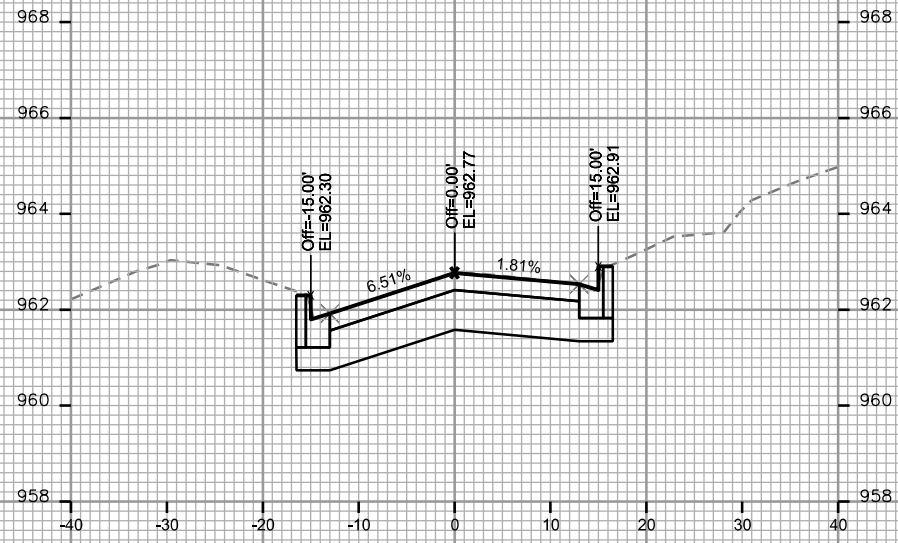
CITY OF MADISON

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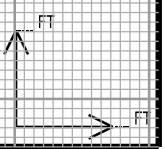
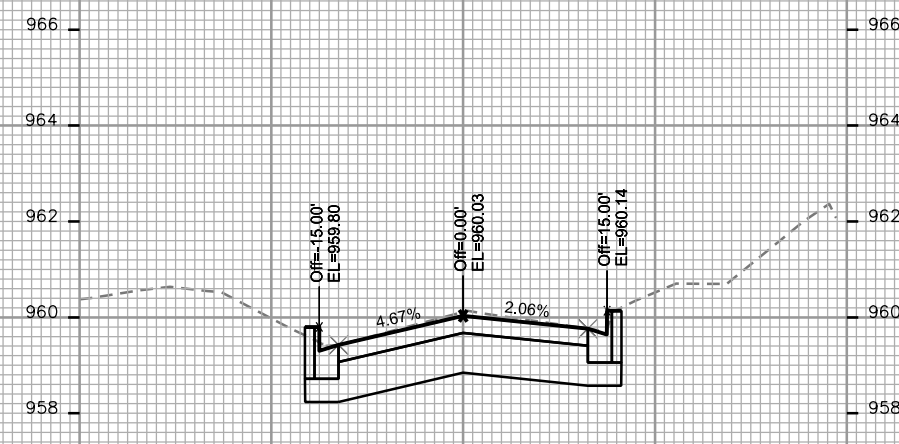
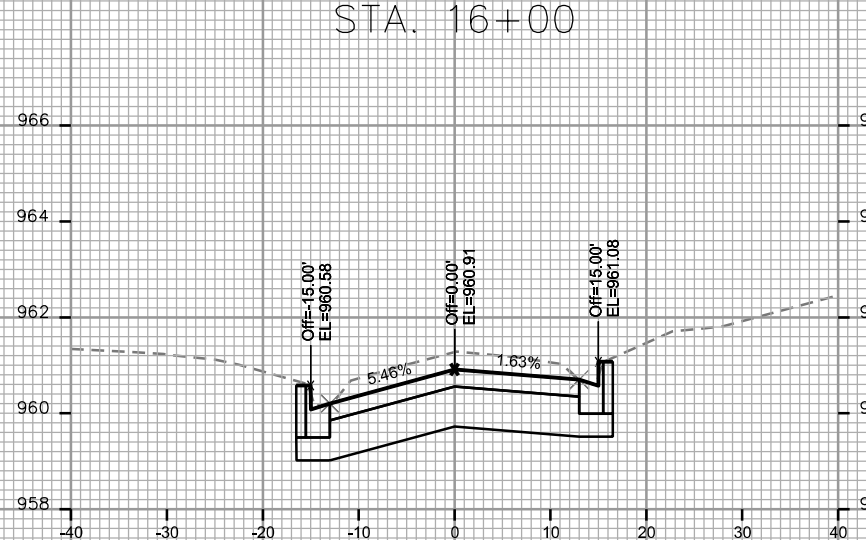
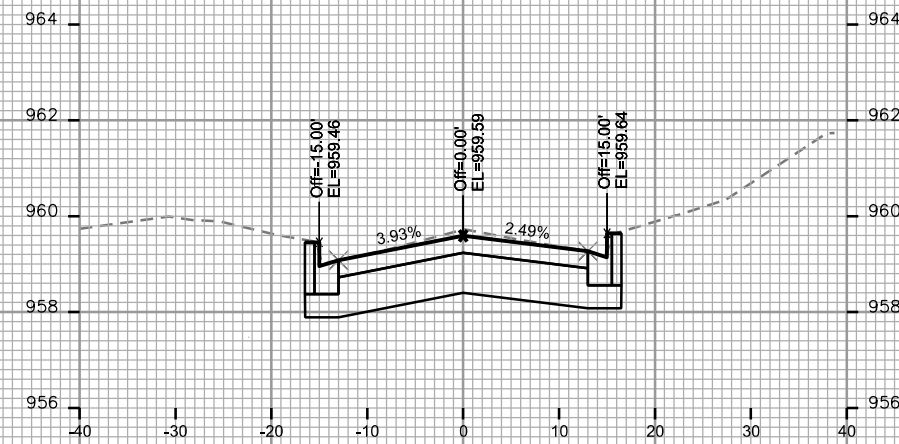
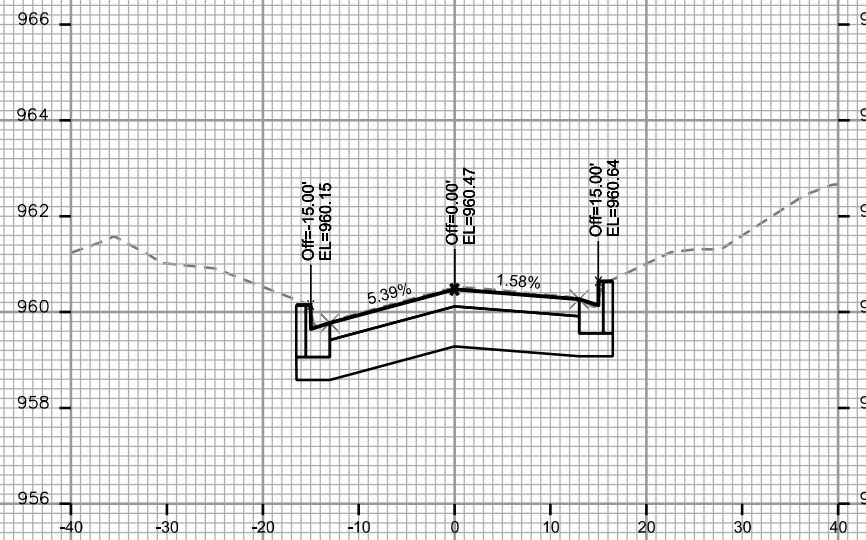
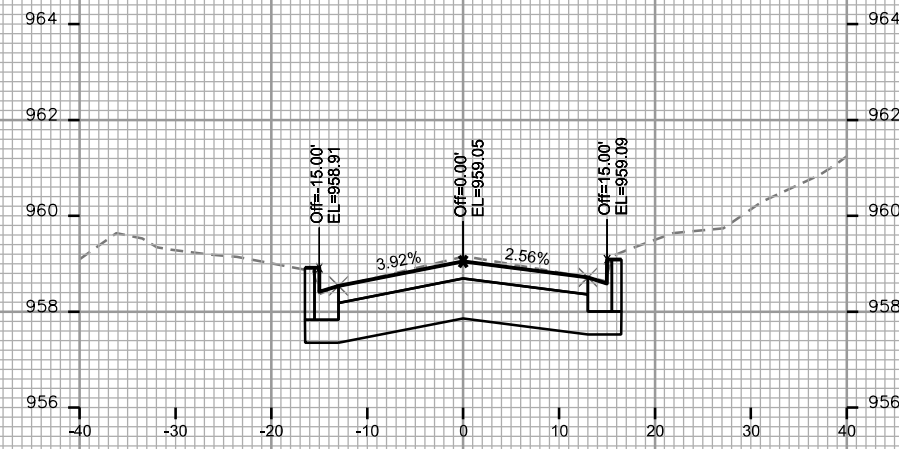
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

YUMA DRIVE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

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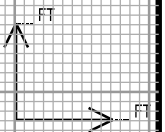
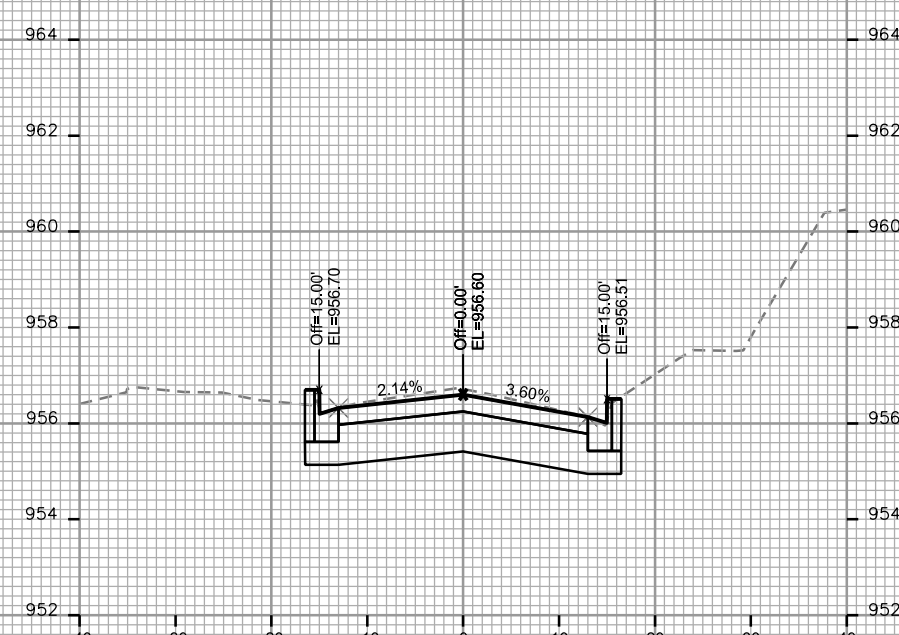
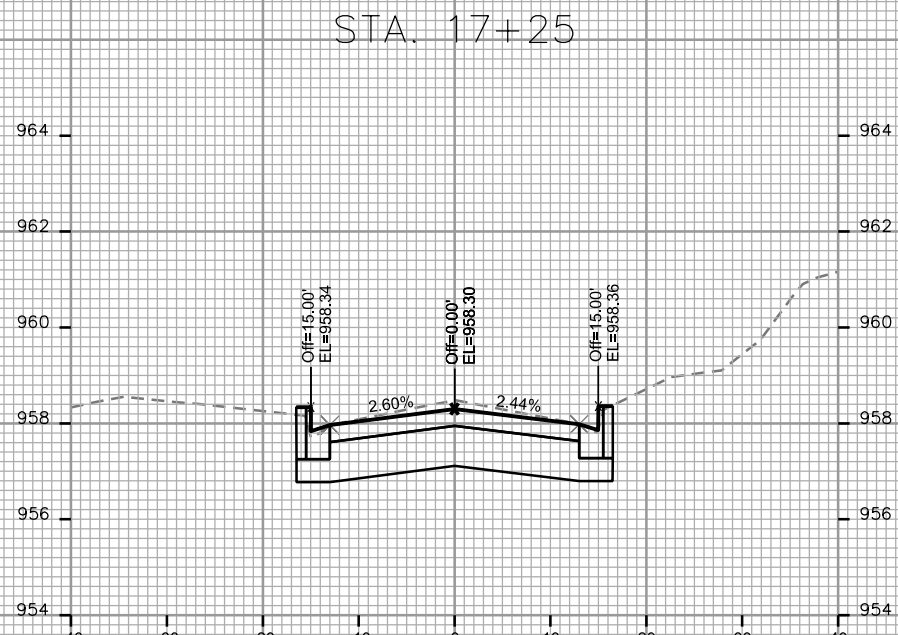
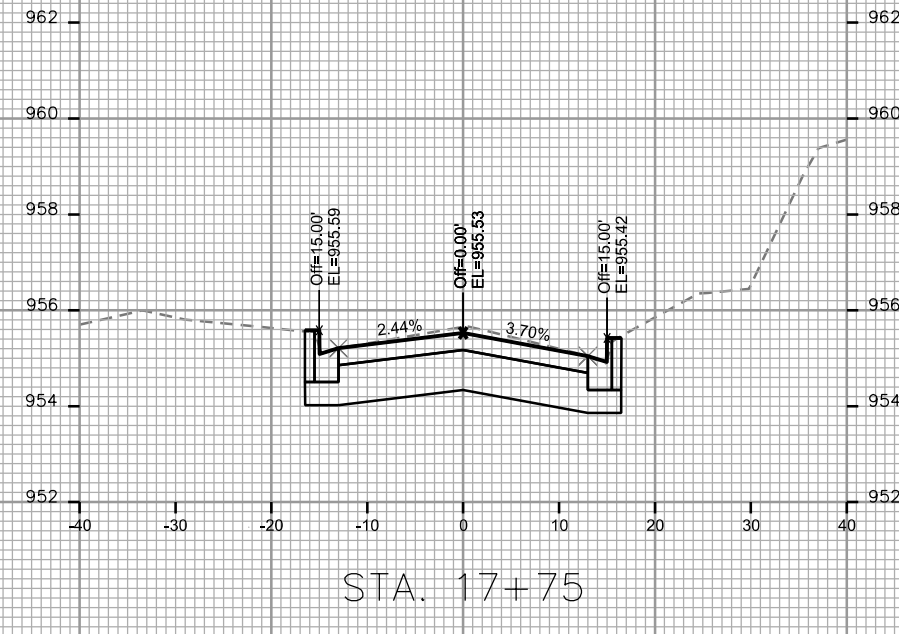
CITY OF MADISON

PLOT SCALE: _____

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CROSS SECTIONS

YUMA DRIVE

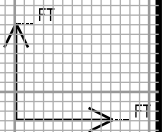
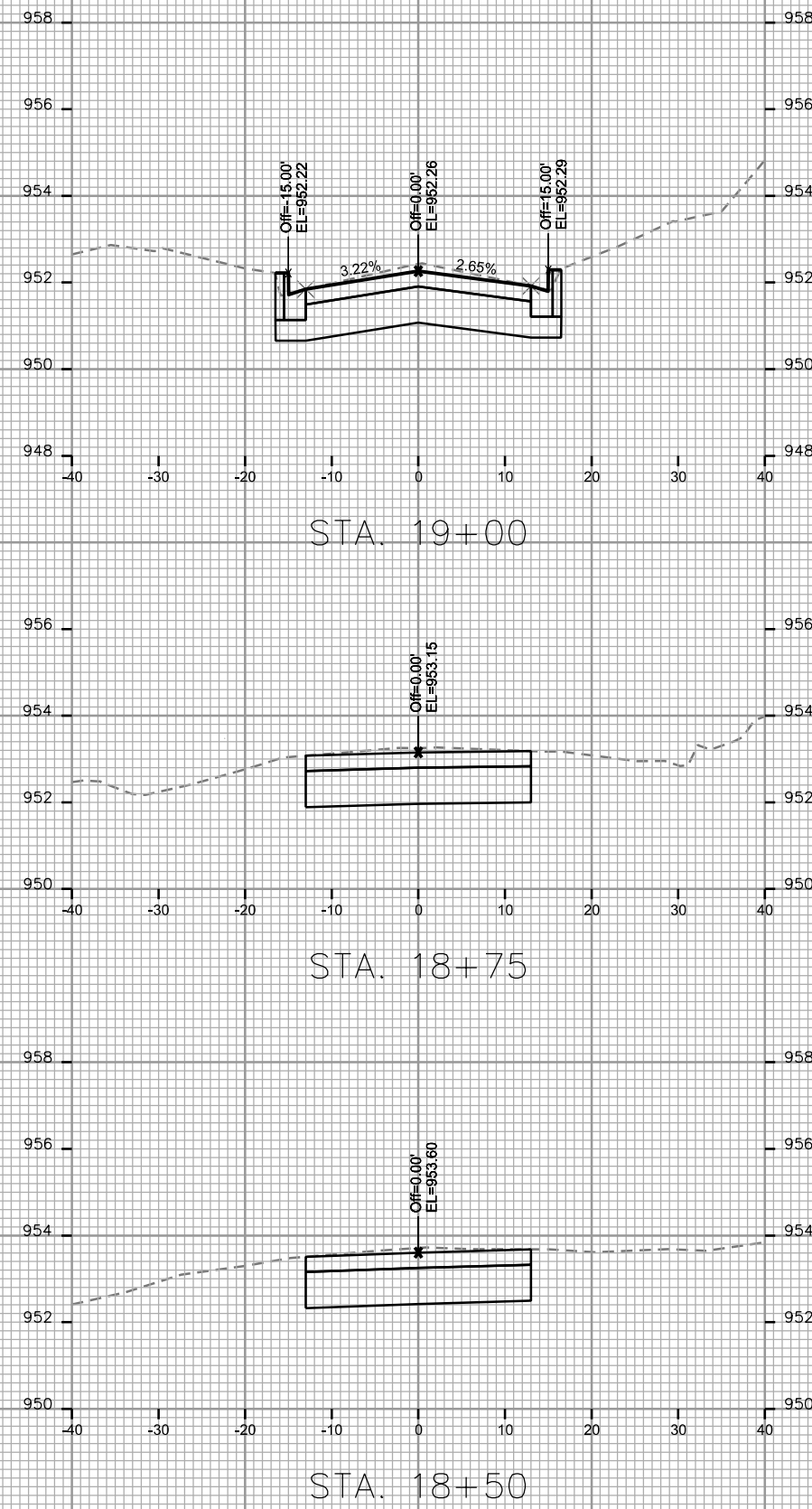
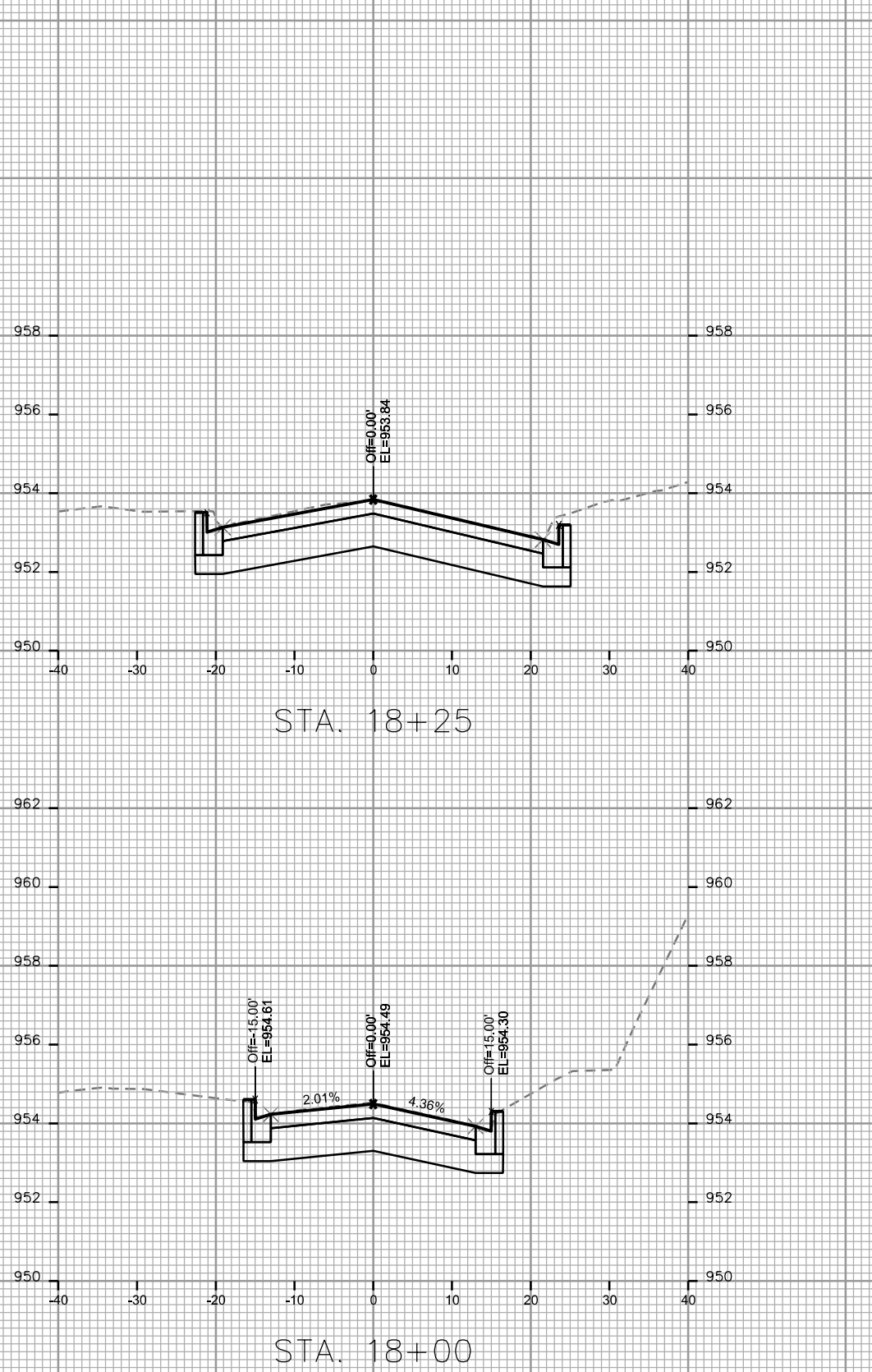
CITY OF MADISON

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CROSS SECTIONS

YUMA DRIVE

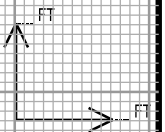
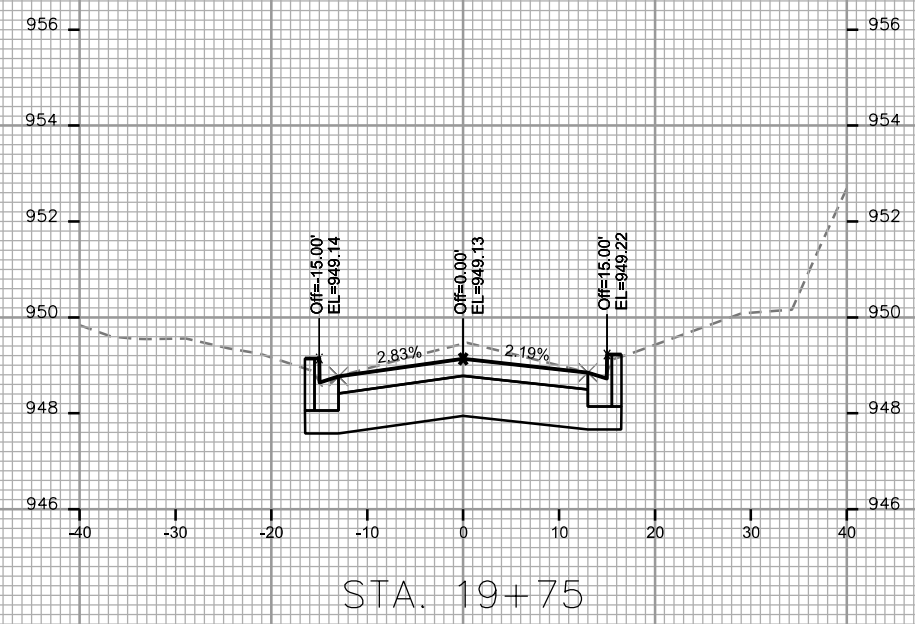
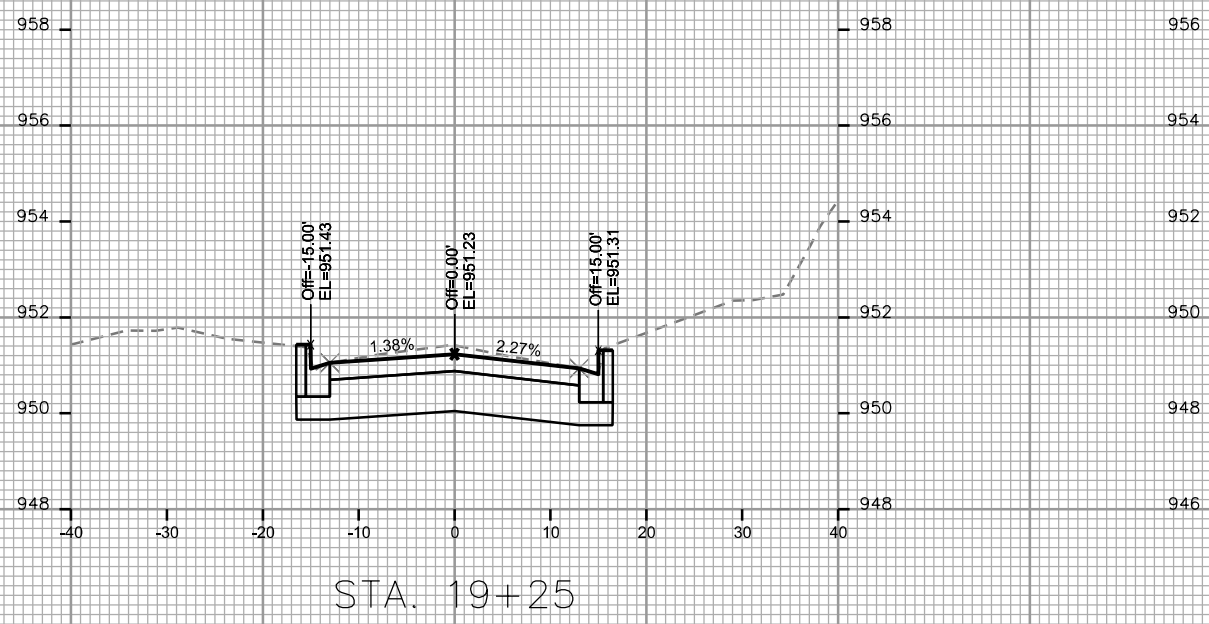
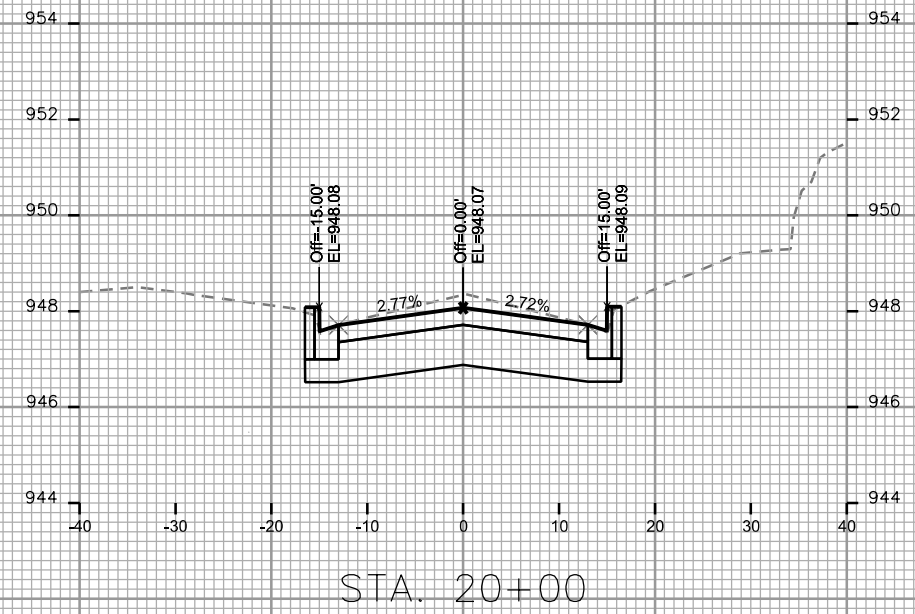
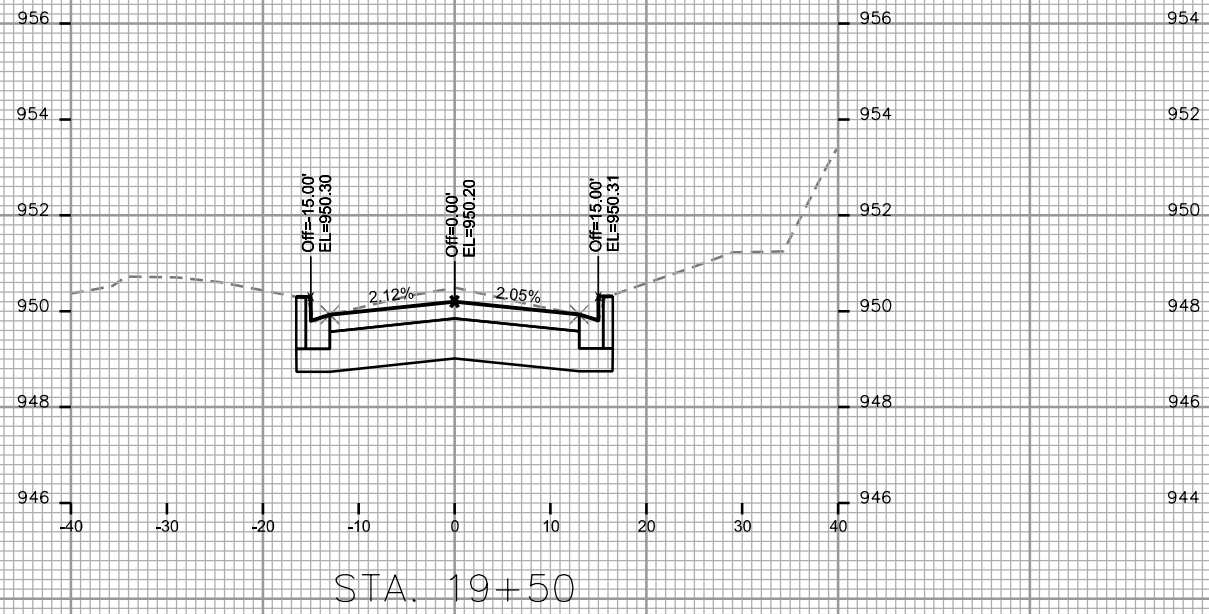
CITY OF MADISON

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

YUMA DRIVE

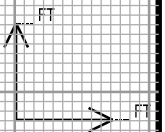
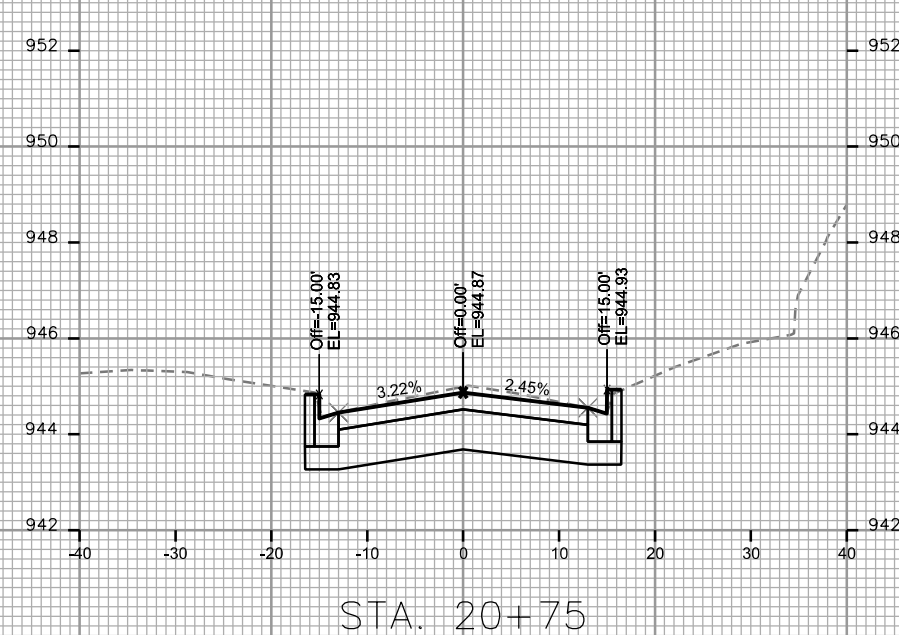
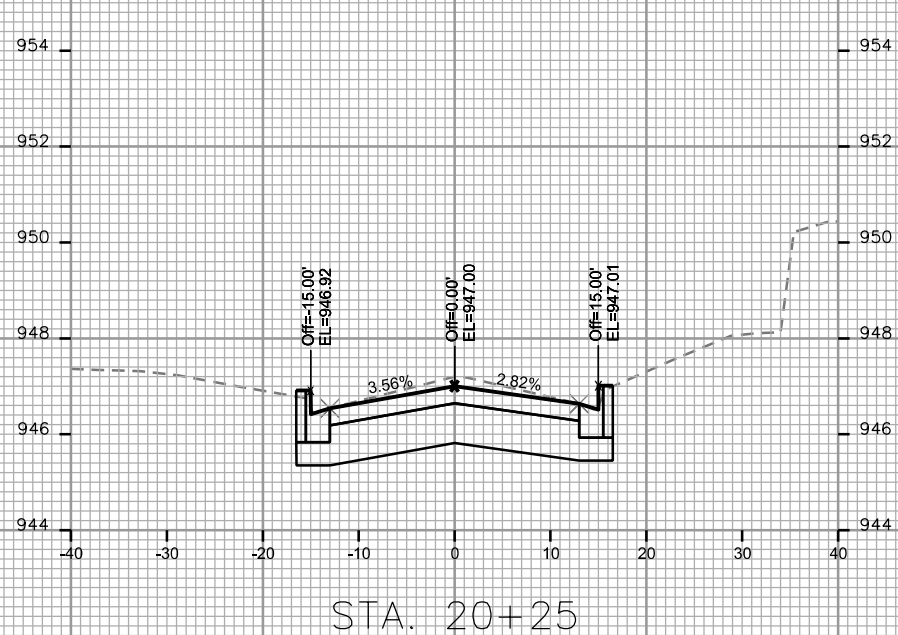
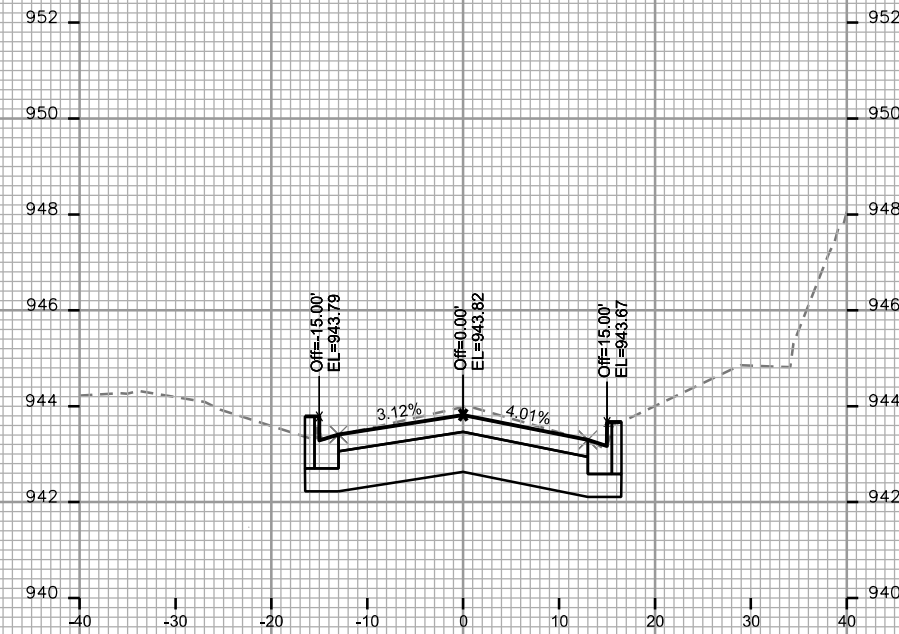
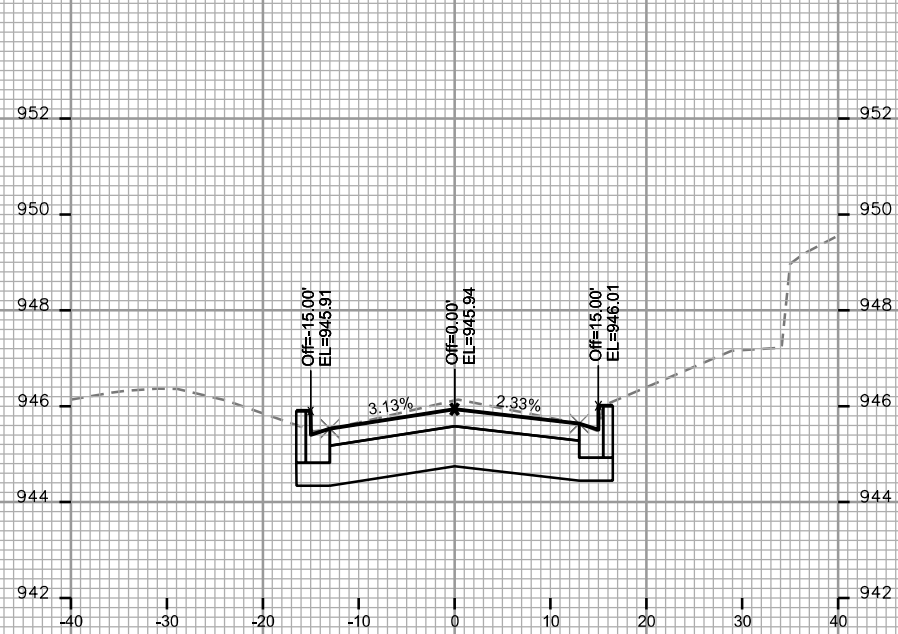
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

YUMA DRIVE

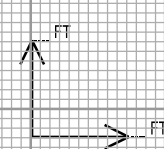
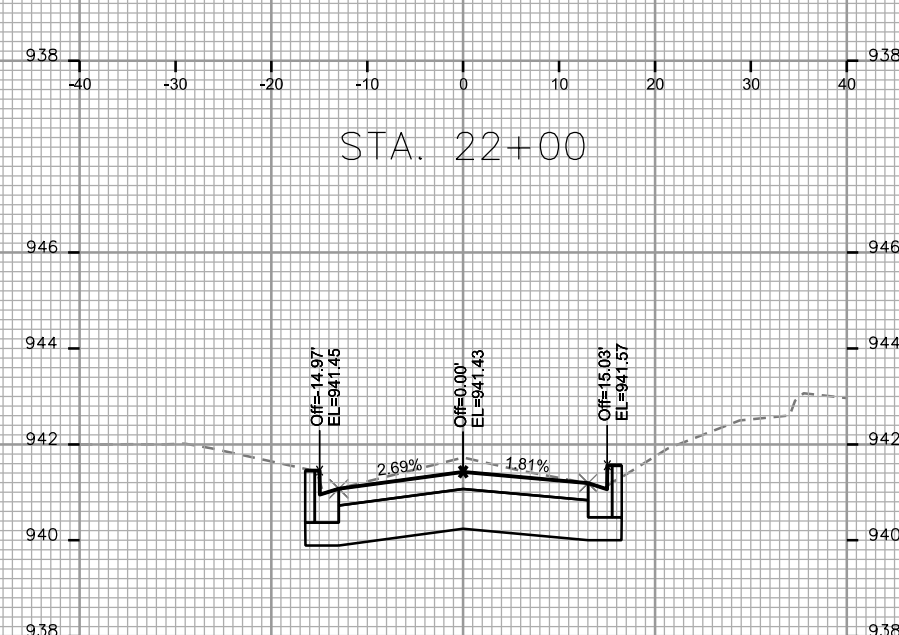
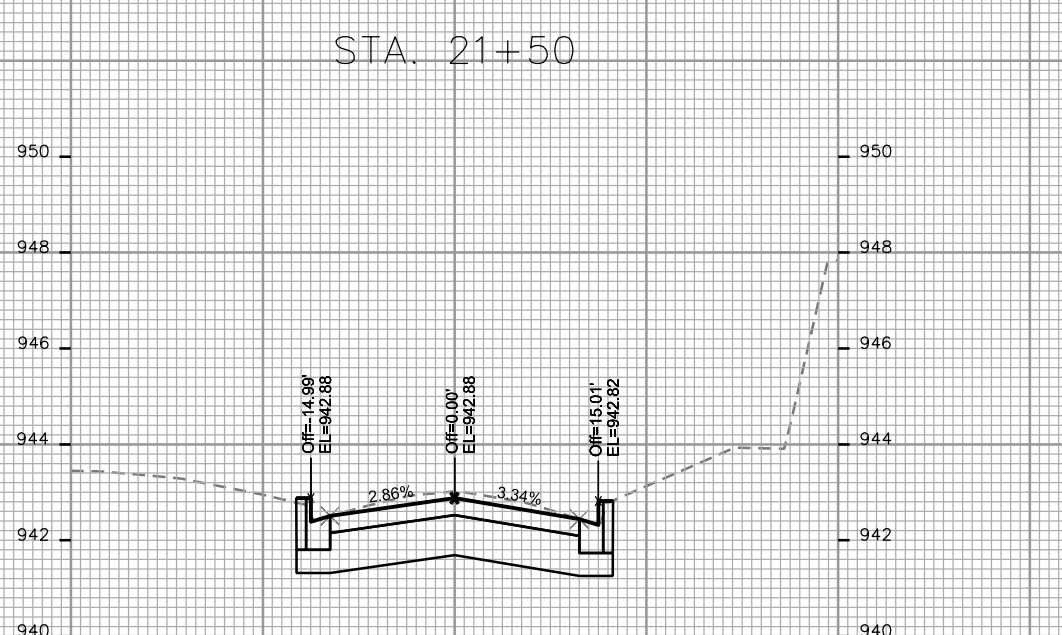
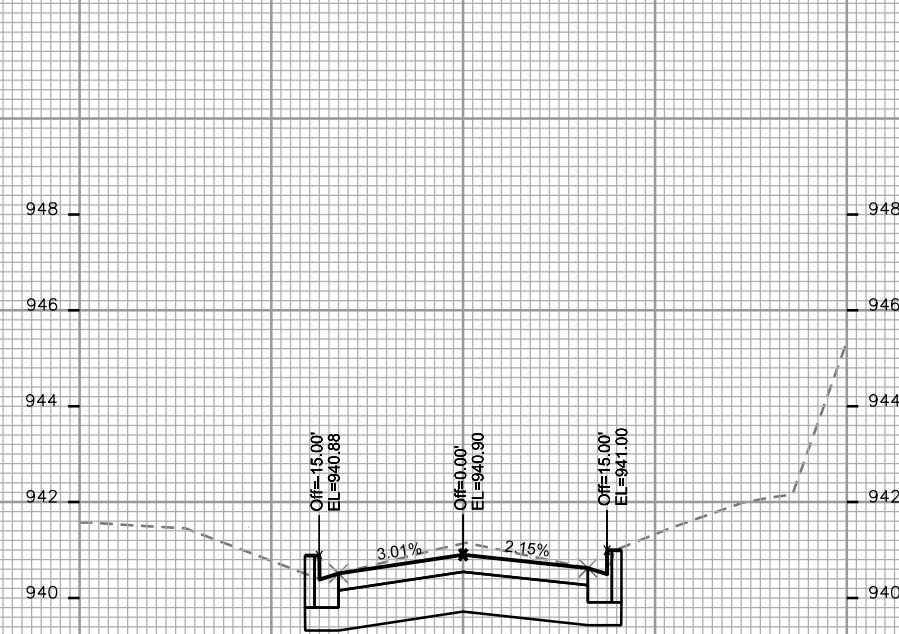
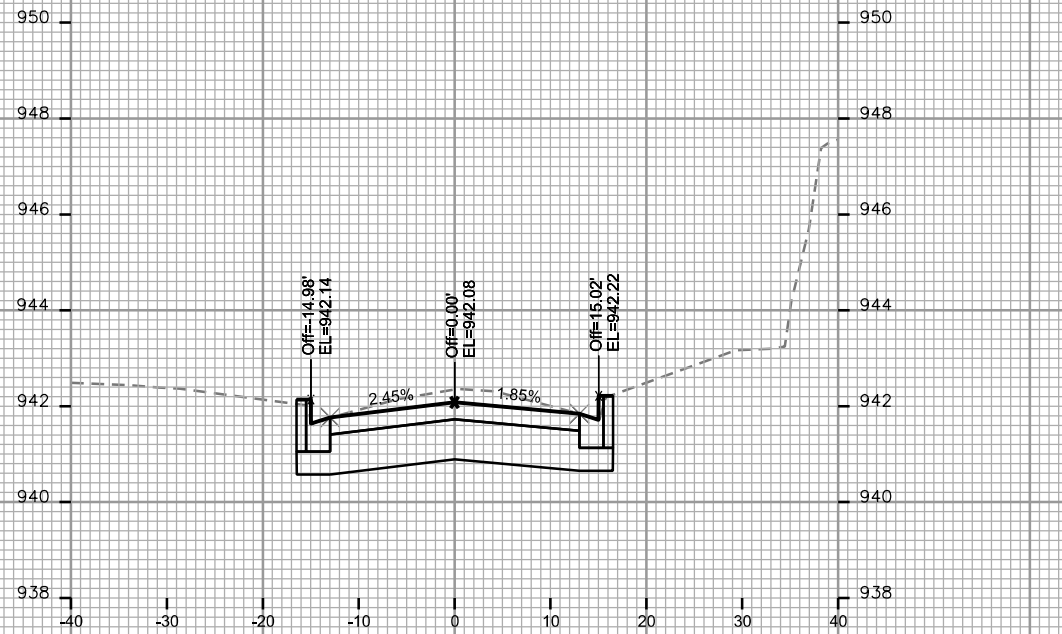
CITY OF MADISON

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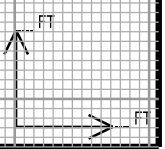
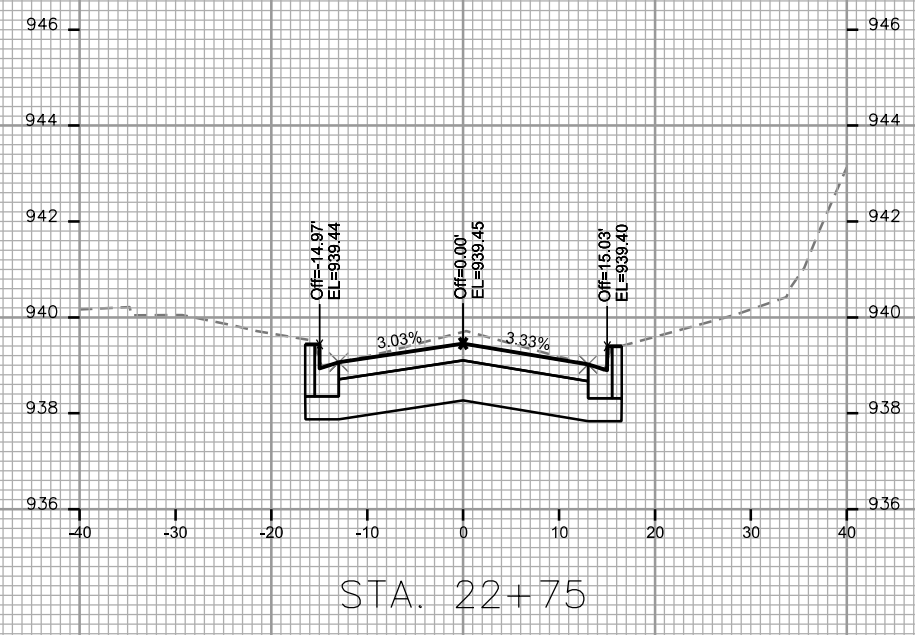
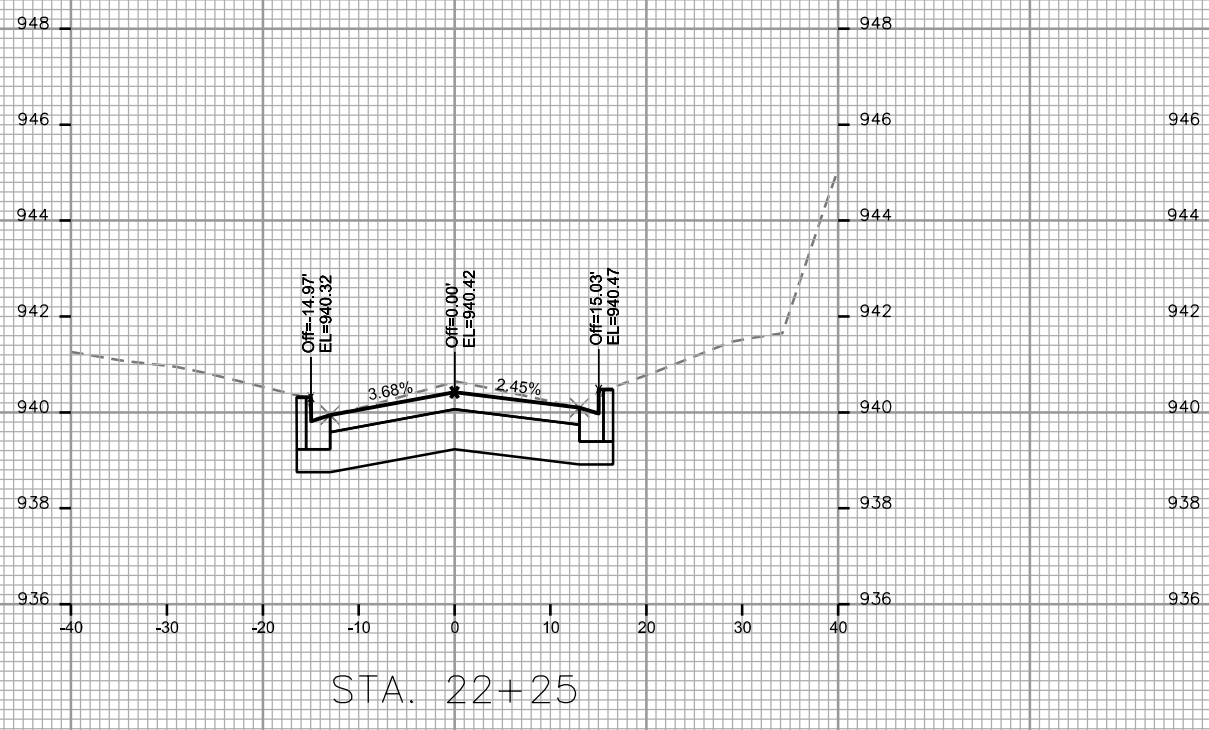
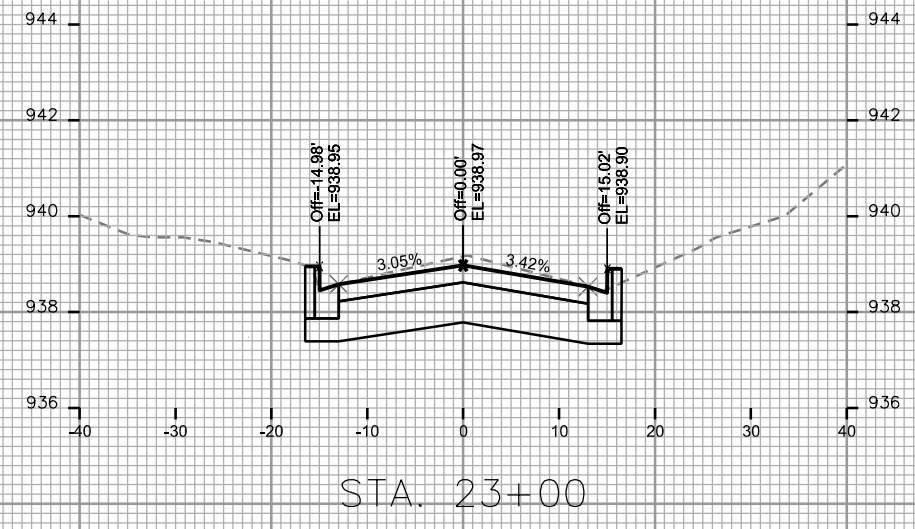
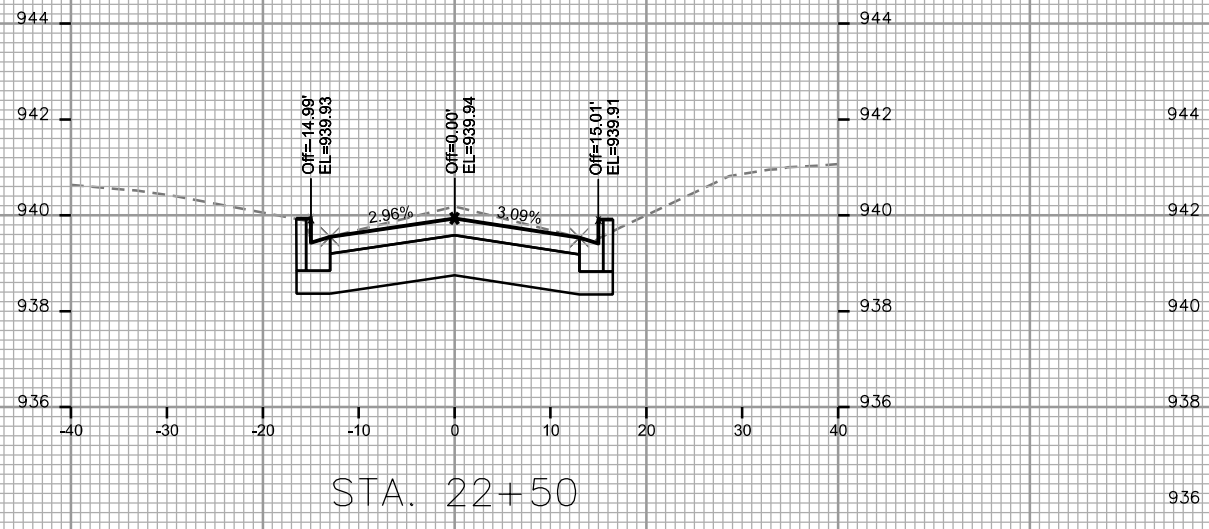
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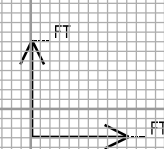
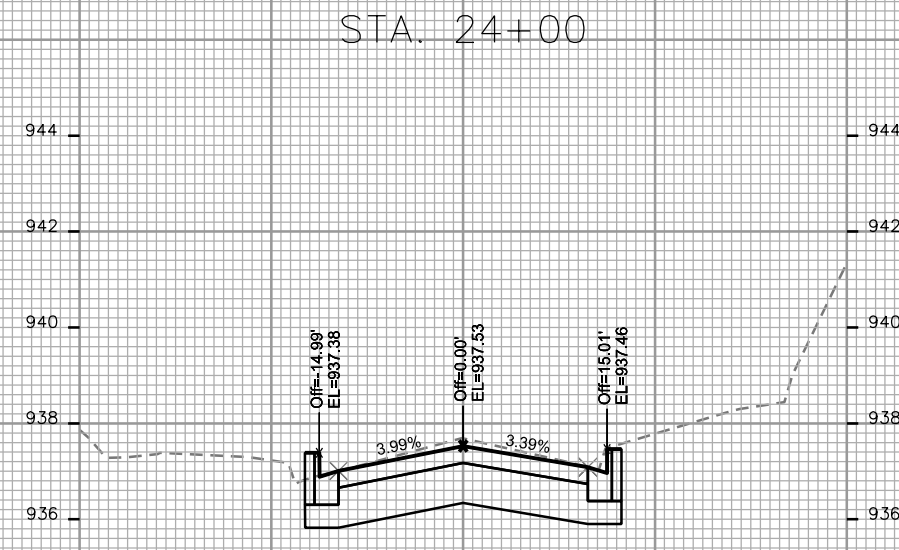
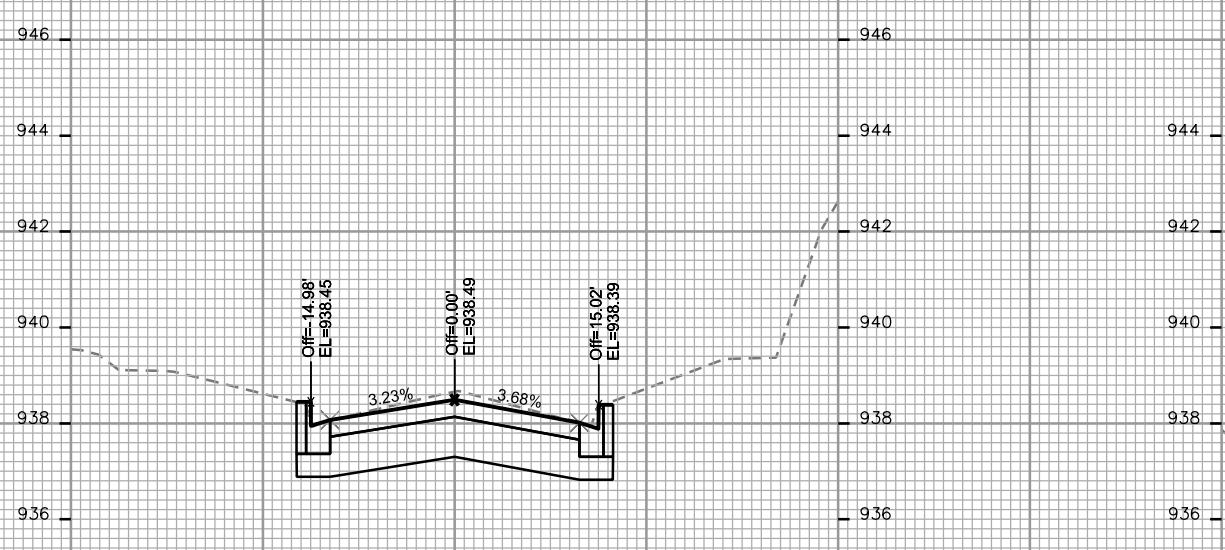
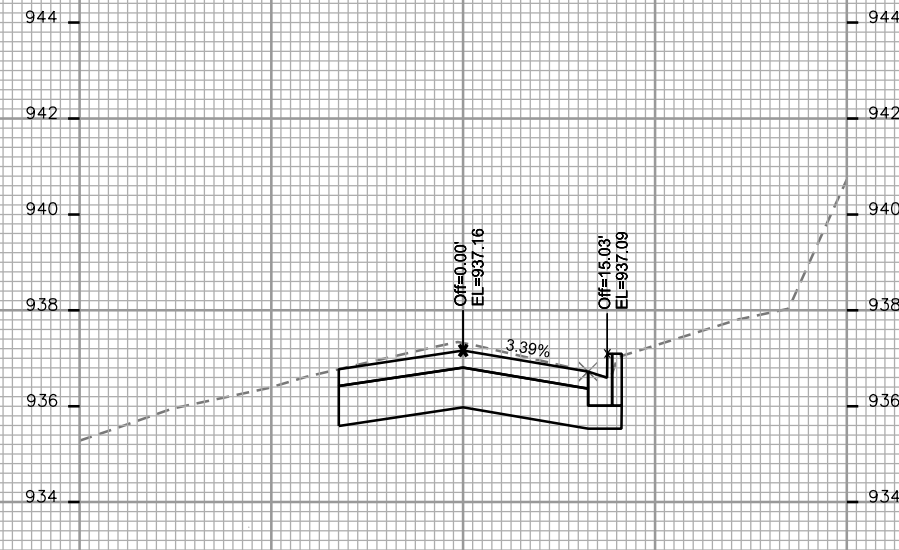
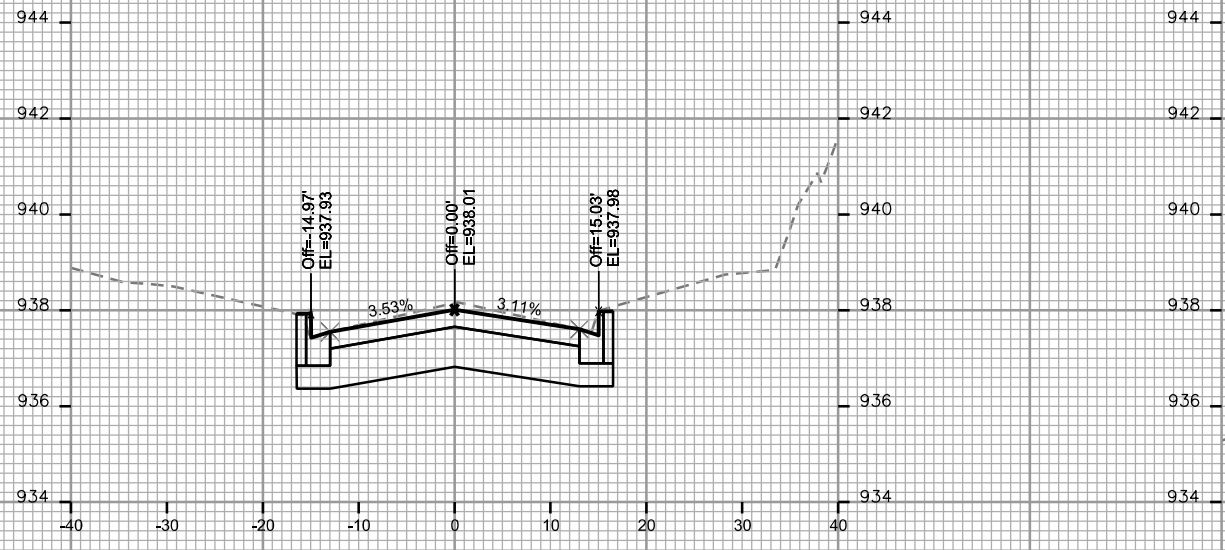
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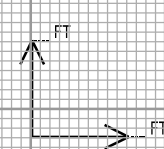
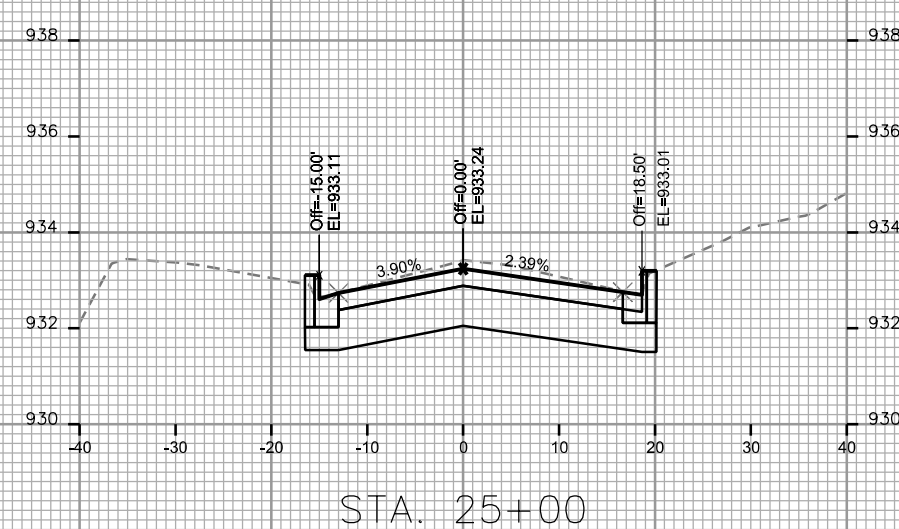
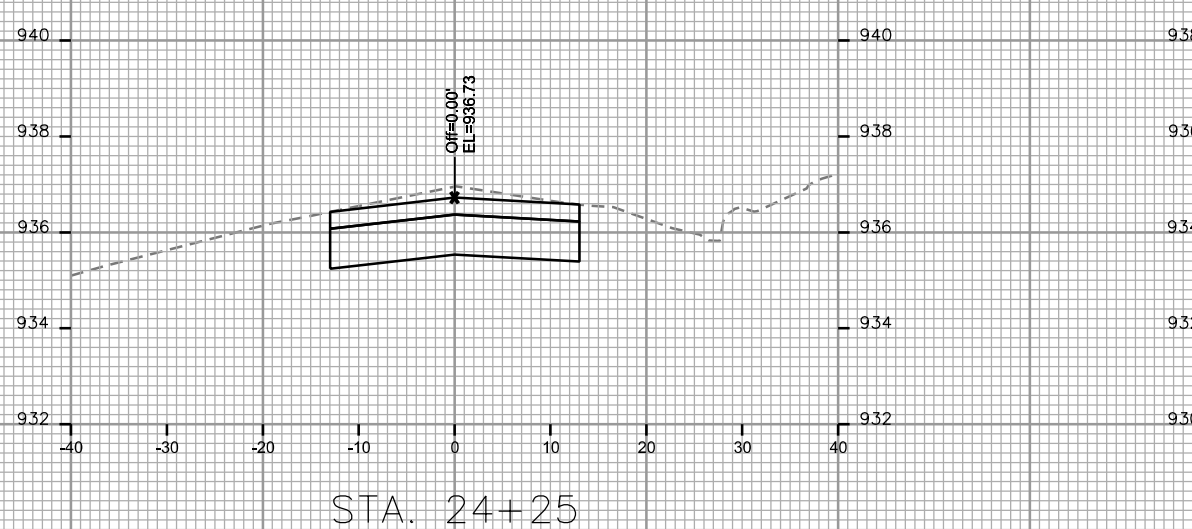
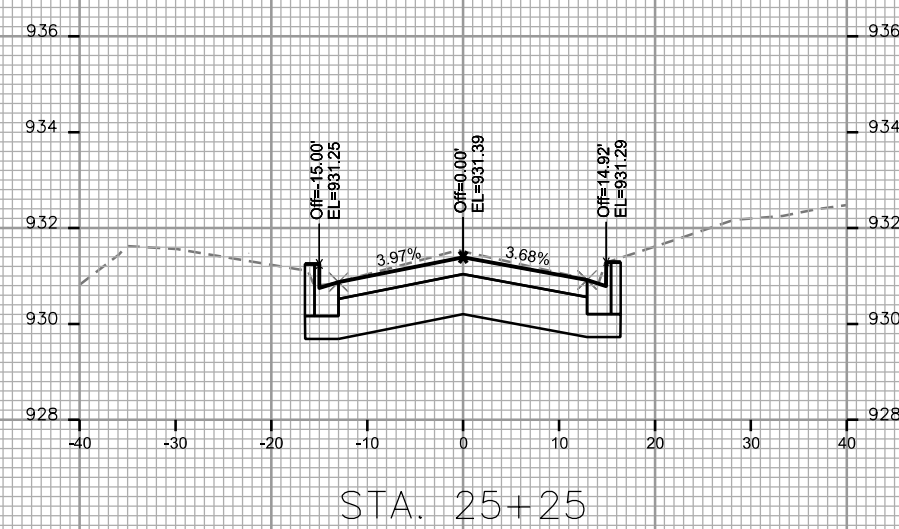
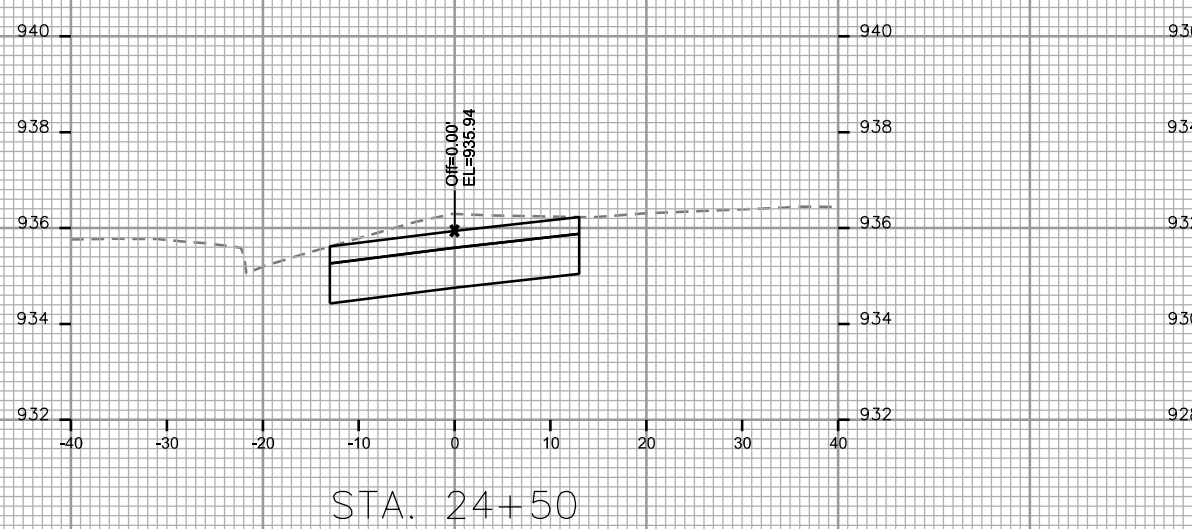
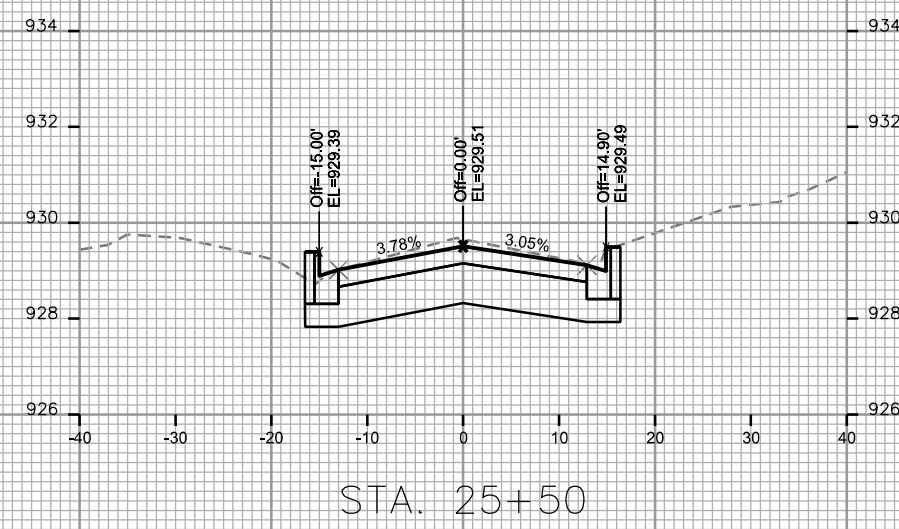
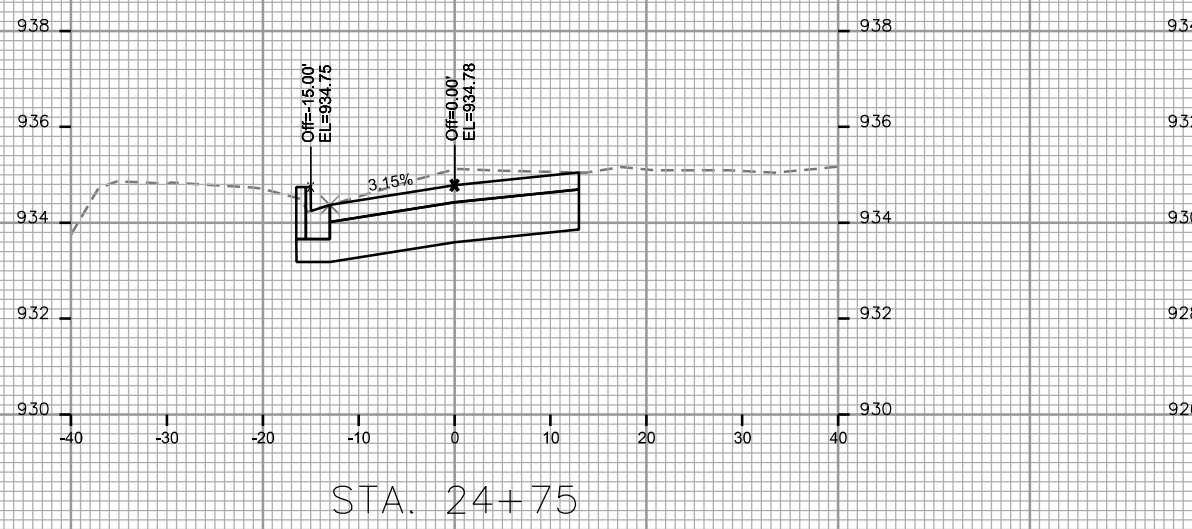
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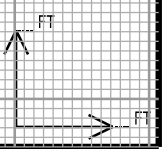
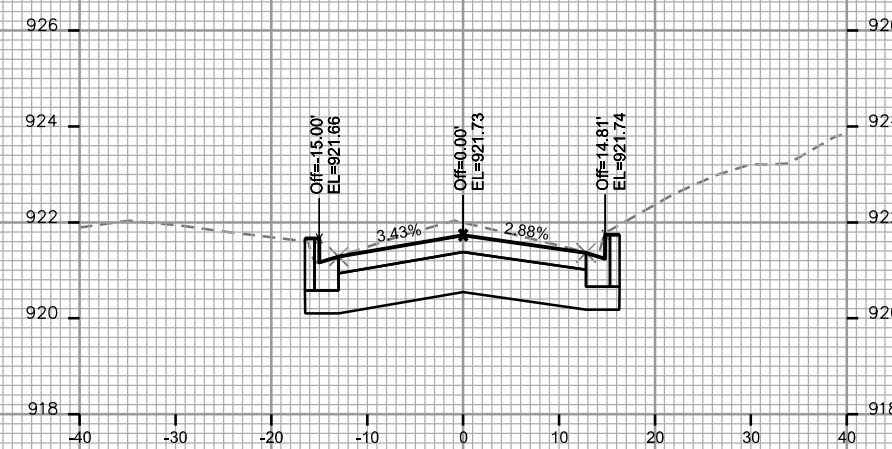
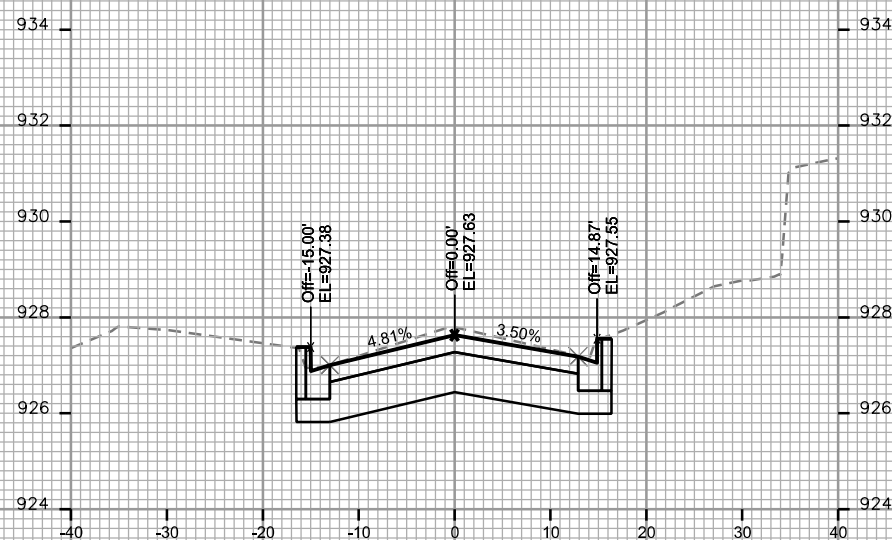
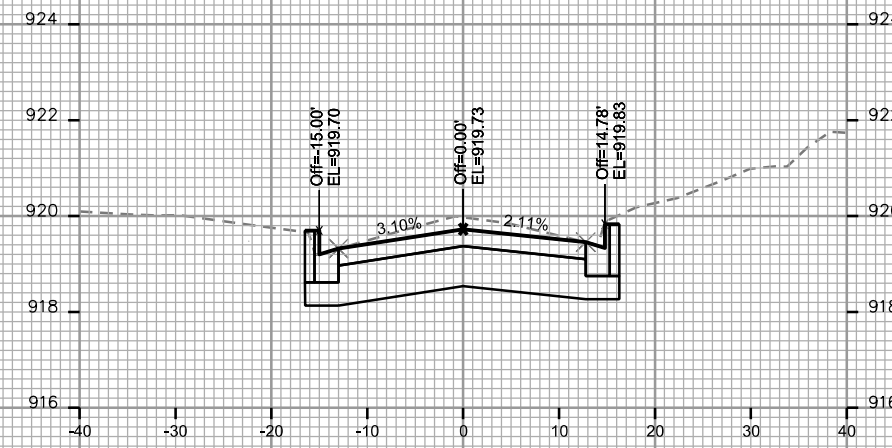
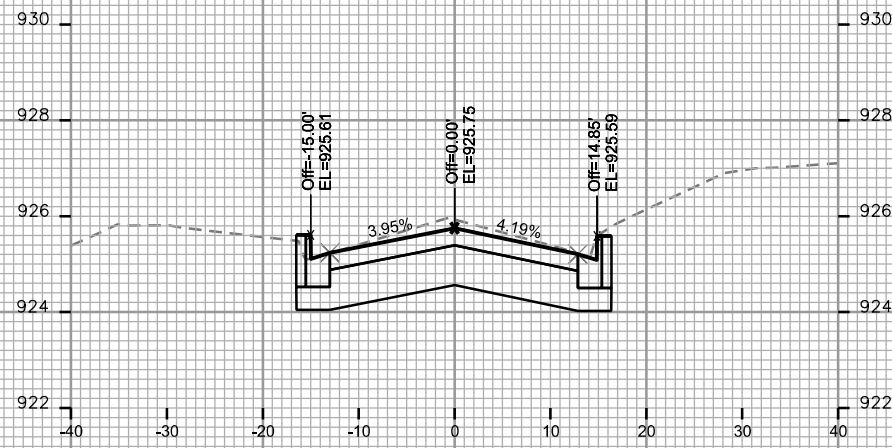
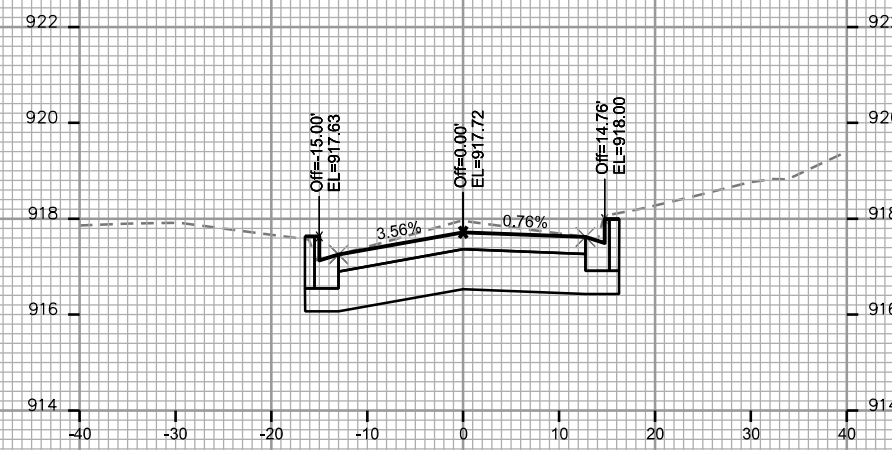
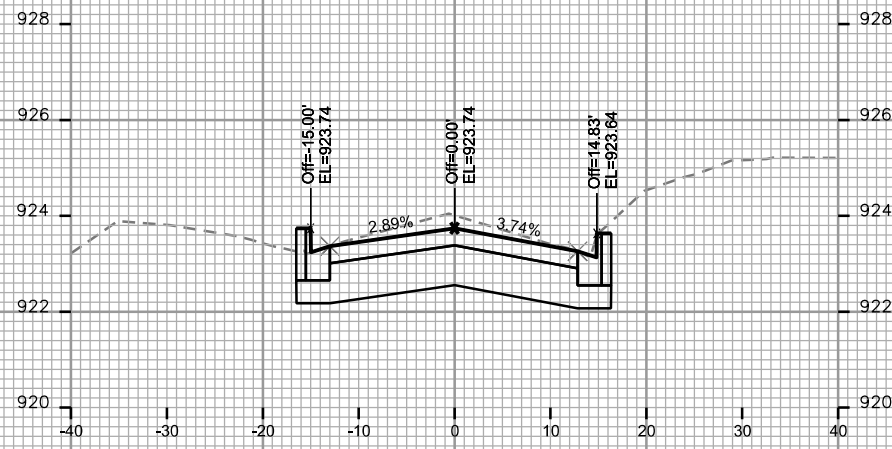
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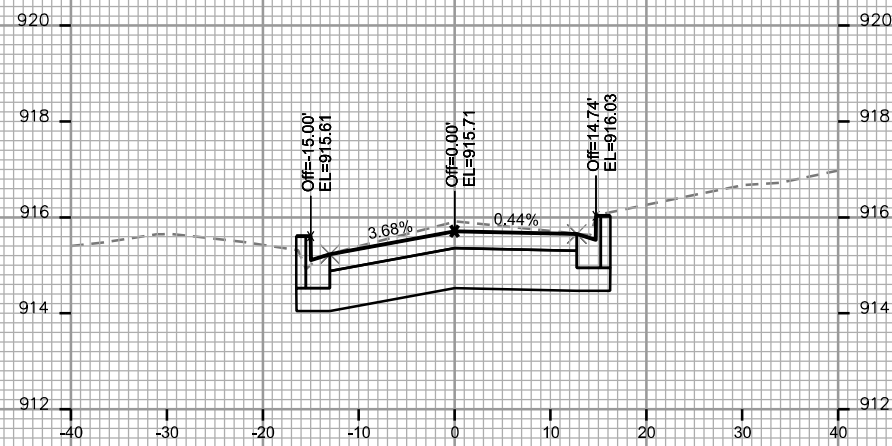
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