

Madison, Wisconsin

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# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

#### PLAN OF PROPOSED IMPROVEMENT

6510 COTTAGE GROVE ROAD  
 CITY PROJECT NO. 12583  
 CONTRACT NO. 8364

PUBLIC IMPROVEMENT PROJECT APPROVED  
 FEBRUARY 26, 2019

BY THE COMMON COUNCIL  
 OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
 APPROVED BY:

*[Signature]* 11/13/19  
 City Engineer Date

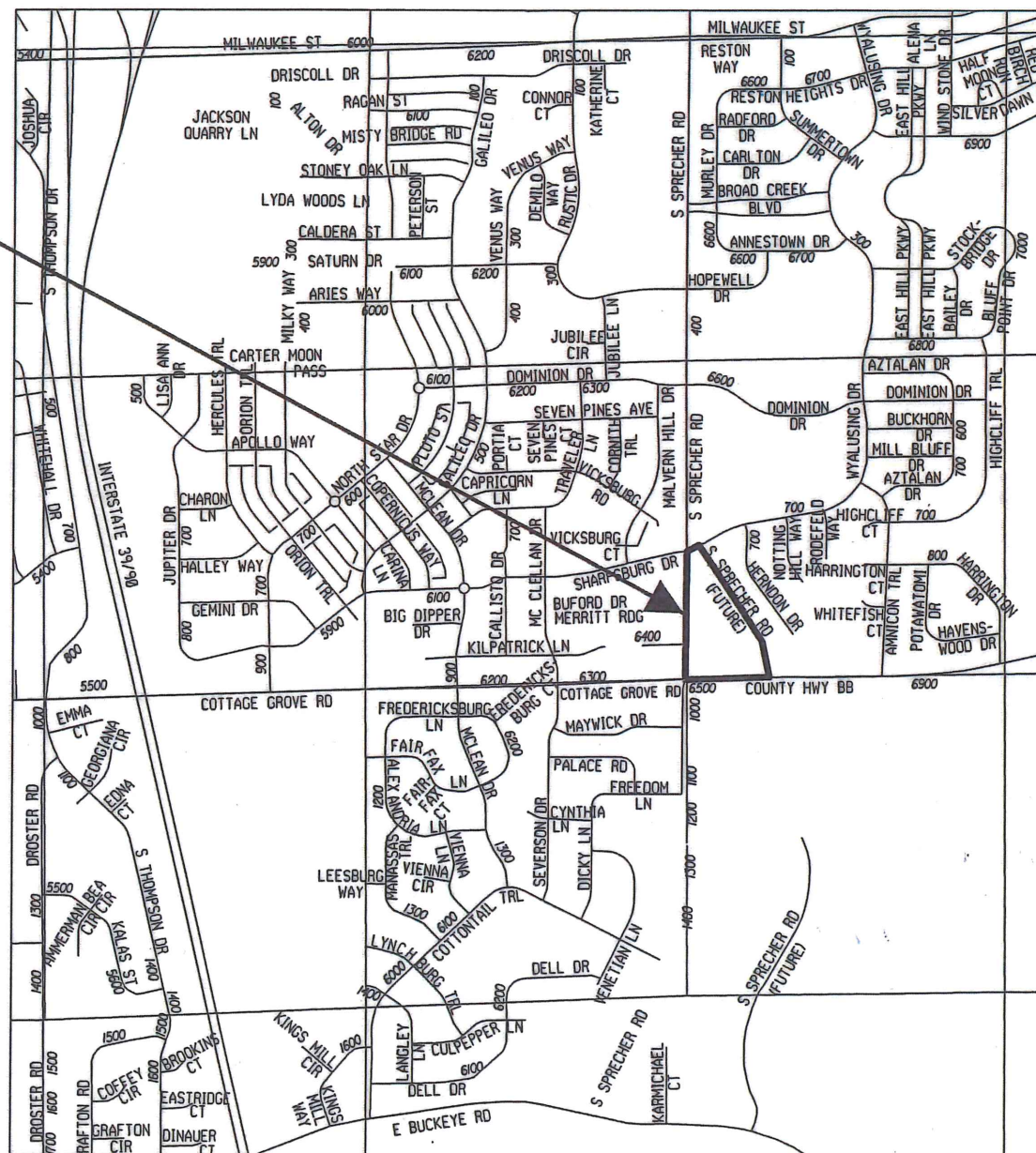
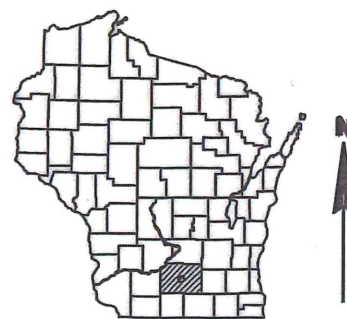
GEOMETRICS &  
 PAVEMENT MARKINGS  
 DESIGNED BY:



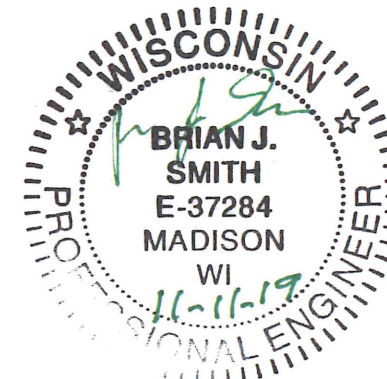
STREET GRADES  
 DESIGNED BY:



PROJECT  
 LOCATION



STREET LIGHTING  
 DESIGNED BY:



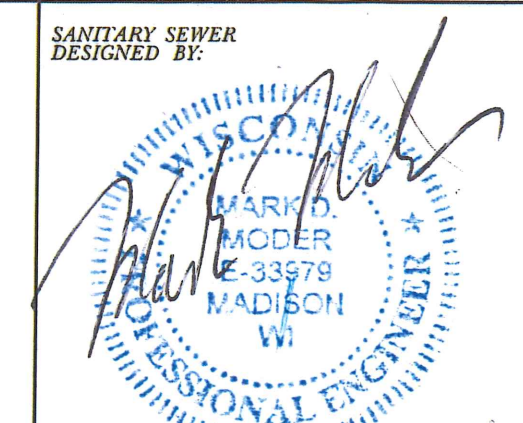
STORM SEWER  
 DESIGNED BY:



WATER MAIN  
 DESIGNED BY:



SANITARY SEWER  
 DESIGNED BY:



PLOT SCALE:

PLOT NAME:

REV. DATE:



ORIGINATOR: CITY OF MADISON, STREETS DIVISION

THE LOCATION AND INFORMATION FOR PROPOSED NEW TREES, IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS ARE APPROXIMATE AND ARE SHOWN FOR REFERENCE ONLY. THE LOCATIONS, SPECIFICATIONS AND PLANTING METHODS OF ALL PROPOSED NEW OR REPLACEMENT TREES IN THE PUBLIC RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE APPROVED BY THE CITY FORESTER PRIOR TO INSTALLATION.

NO TREES IN THE RIGHT OF WAY OR ON PUBLIC LANDS SHALL BE TRIMMED, PRUNED, REMOVED OR ADVERSELY AFFECTED IN ANY WAY UNTIL THE DEVELOPER HAS RECEIVED WRITTEN PERMISSION FROM THE CITY ENGINEER OR CITY FORESTER. SAID WRITTEN PERMISSION SHALL INCLUDE LANGUAGE INDICATING THAT SECTION 10.101 OF THE MADISON GENERAL ORDINANCES AND ADMINISTRATIVE PROCEDURE MEMORANDUM NO. 6-2, REFERRING TO NOTIFICATION OF PROPERTY OCCUPANTS AND/OR OWNERS, HAS BEEN COMPLIED WITH.

DEVELOPER MUST SUBMIT A TRAFFIC CONTROL PLAN TO CITY TRAFFIC ENGINEERING AT LEAST 14 DAYS PRIOR TO THE START OF WORK. WORK SHALL NOT PROCEED UNTIL AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE

DEVELOPER IS RESPONSIBLE FOR ANY NECESSARY PERMITS INCLUDING:  
DANE COUNTY HIGHWAY EXCAVATION PERMIT.  
WDNR WATER RESOURCES APPLICATION FOR PROJECT PERMIT (WRAPP).  
CITY OF MADISON EROSION CONTROL PLAN.

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

ALL PAVEMENT IN THE FUTURE SPRECHER ROAD, COTTAGE GROVE ROAD, AND EXISTING SPRECHER ROAD RIGHTS-OF-WAY SHALL BE TYPE C PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE KILPATRICK LANE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

UNDERDRAINS SHALL BE INSTALLED PER STANDARD DETAIL DRAWING 4.05 FOR 75' ON EACH SIDE OF THE LOW POINT, OR TO THE NEAREST CURB HIGH POINT. ALL UNDERDRAIN SHALL BE WRAPPED.

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE OF 0.5%

THE CROSS SLOPE OF SIDEWALKS AND BARRIER FREE SIDEWALK CURB RAMPS SHALL TYPICALLY BE 1.5%. THE LONGITUDINAL GRADE OF BARRIER FREE SIDEWALK CURB RAMPS SHALL NOT EXCEED 8.33%. ALL SIDEWALK RAMPS SHALL BE CONSTRUCTED ACCORDING TO S.D.D. 3.04. AT ALL OTHER LOCATIONS THE LONGITUDINAL GRADE OF SIDEWALKS SHALL NOT EXCEED 5.0 % OR THE ADJACENT STREET GRADE WHICHEVER IS GREATER NOR BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. SIDE SLOPES WITHIN TEN FEET OF A PUBLIC SIDEWALK SHALL NOT EXCEED 4:1. ALL SIDEWALK AND SIDEWALK RAMP ELEVATIONS AND GRADES SHALL BE FIELD VERIFIED AND SET TO COMPLY WITH THE CITY OF MADISON STANDARD SPECIFICATIONS AND THE A.D.A. GUIDELINES.

OBTAIN A PRINT OUT OF THE ALIGNMENTS FROM THE CITY PROJECT ENGINEER PRIOR TO STAKING THIS PROJECT.

CURB STATION AND OFFSETS SHALL BE TO THE FACE OF CURB UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE TOP OF CURB (OR EXTENDED TOP OF CURB FOR DRIVEWAYS OR RAMPS) UNLESS OTHERWISE INDICATED.

POWER POLES AND OTHER OBSTRUCTIONS SHALL BE MOVED TO PROVIDE 2 FEET MINIMUM OF CLEAR DISTANCE FROM ANY FACE OF CURB OR EDGE OF SIDEWALK.

ANY INFORMATION SHOWN ON THIS PLAN, WHICH IS NOT PART OF THIS PROJECT, IS PRELIMINARY AND NOT FOR CONSTRUCTION.

THERE MAY BE EXISTING UTILITIES OR OTHER FEATURES WHICH ARE EITHER NOT SHOWN OR SHOWN INCORRECTLY ON THIS PLAN. IT IS THE RESPONSIBILITY OF THE DEVELOPER TO LOCATE AND IDENTIFY ALL UTILITIES AND TOPOGRAPHY WHICH MAY AFFECT THE CONSTRUCTION OF THESE IMPROVEMENTS.

ALL PERMANENT SIGNING AND POSTING WILL BE DETERMINED AND PROVIDED BY THE TRAFFIC ENGINEERING DIVISION, FOLLOWING CONSTRUCTION OF THESE IMPROVEMENTS.

THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

PAVEMENT SAWCUTS SHALL BE AS DIRECTED BY THE CITY CONSTRUCTION ENGINEER. SAWCUTS SHOWN ON THE PLAN ARE APPROXIMATE.

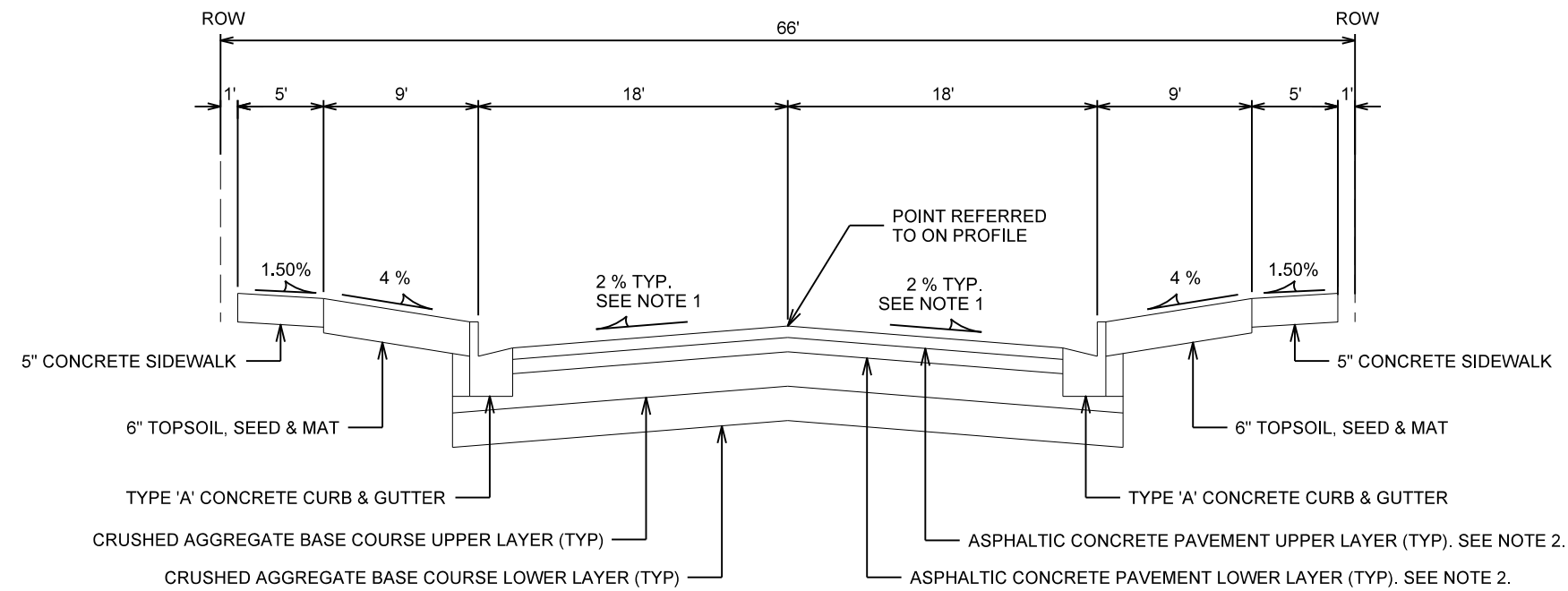
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

PLOT SCALE:

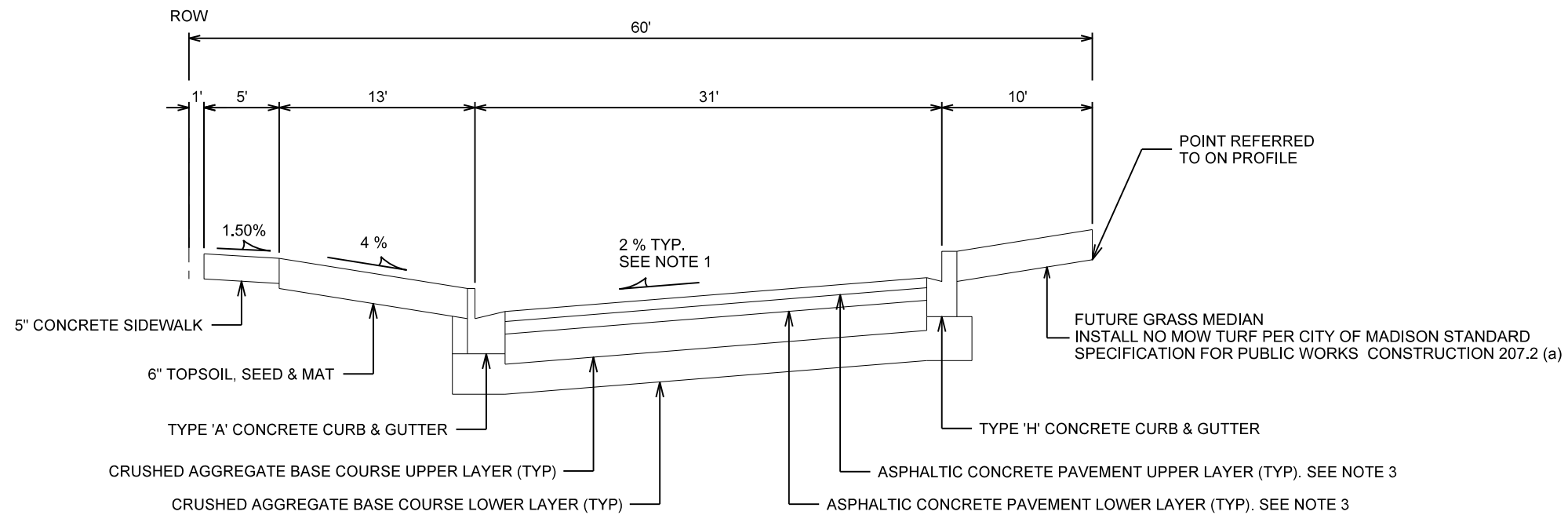
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**  
KILPATRICK LANE  
NOT TO SCALE



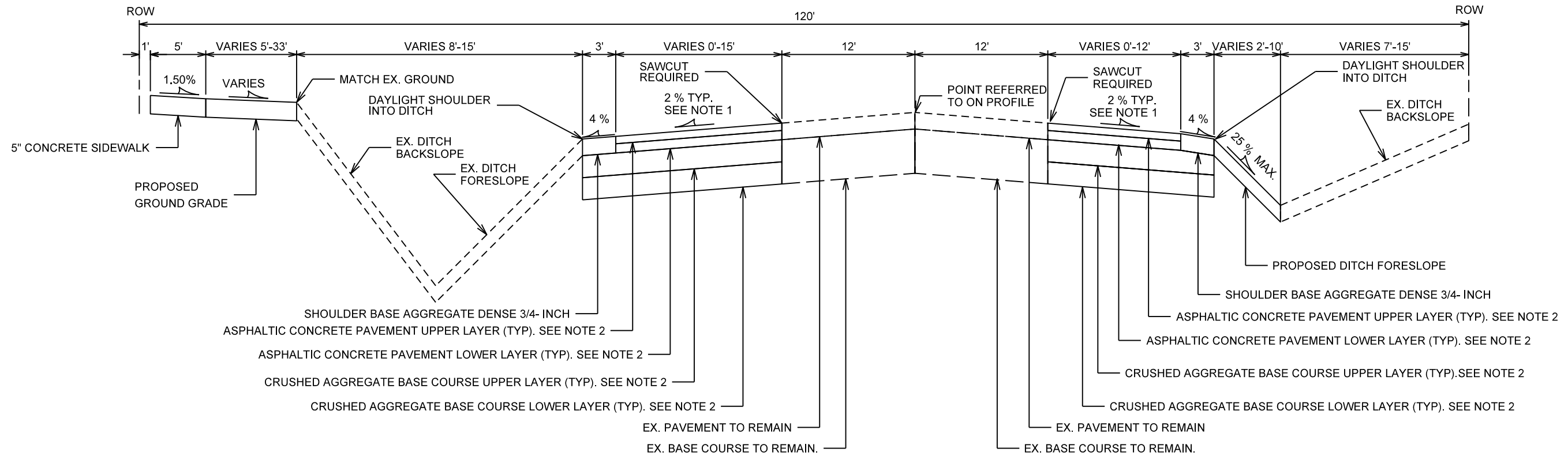
**TYPICAL SECTION**  
FUTURE SPRECHER ROAD  
NOT TO SCALE

**SPECIAL NOTES:**

1. SEE CROSS SECTION "X" SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.
2. KILPATRICK LANE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.
3. FUTURE SPRECHER ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN. USE 4 MT 58-28 S FOR UPPER LAYER AND 3 MT 58-28 S FOR LOWER LAYER

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"



TYPICAL SECTION  
COTTAGE GROVE ROAD  
NOT TO SCALE

**SPECIAL NOTES:**

1. SEE CROSS SECTION "X" SHEETS FOR CROSS SLOPES.
2. COTTAGE GROVE ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.  
(LOWER LAYER: 3 MT 58-28 S & UPPER LAYER: 4 MT 58-28 S)

CITY OF MADISON MINIMUM PAVEMENT DESIGN

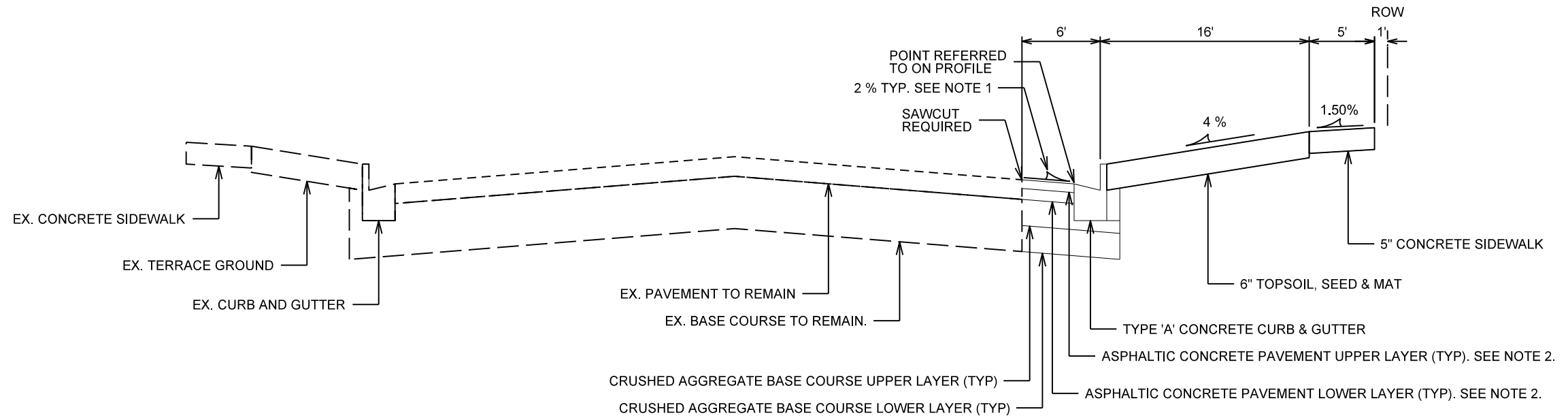
TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S	3.50"	4 MT 58-28 S	2.00"

PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**TYPICAL SECTION**

EX. SPECHER ROAD

NOT TO SCALE

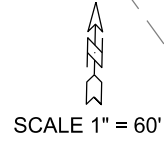
**SPECIAL NOTES:**

1. SEE CROSS SECTION "X" SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.
2. EX. SPRECHER ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN.

CITY OF MADISON MINIMUM PAVEMENT DESIGN

TYPE	CRUSHED AGGREGATE BASE COURSE		ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER GRADATION 1	UPPER LAYER GRADATION 2	LOWER LAYER		UPPER LAYER	
			TYPE	THICKNESS	TYPE	THICKNESS
A	6"	6"	4 LT 58-28 S	1.75"	4 LT 58-28 S	1.75"
B	6"	6"	3 LT 58-28 S	2.50"	4 LT 58-28 S	2.00"
C	6"	6"	3 MT 58-28 S	3.50"	4 MT 58-28 S	2.00"

ELECTRICAL PLAN  
FUTURE SPRECHER  
KILPATRICK LANE CITY OF MADISON

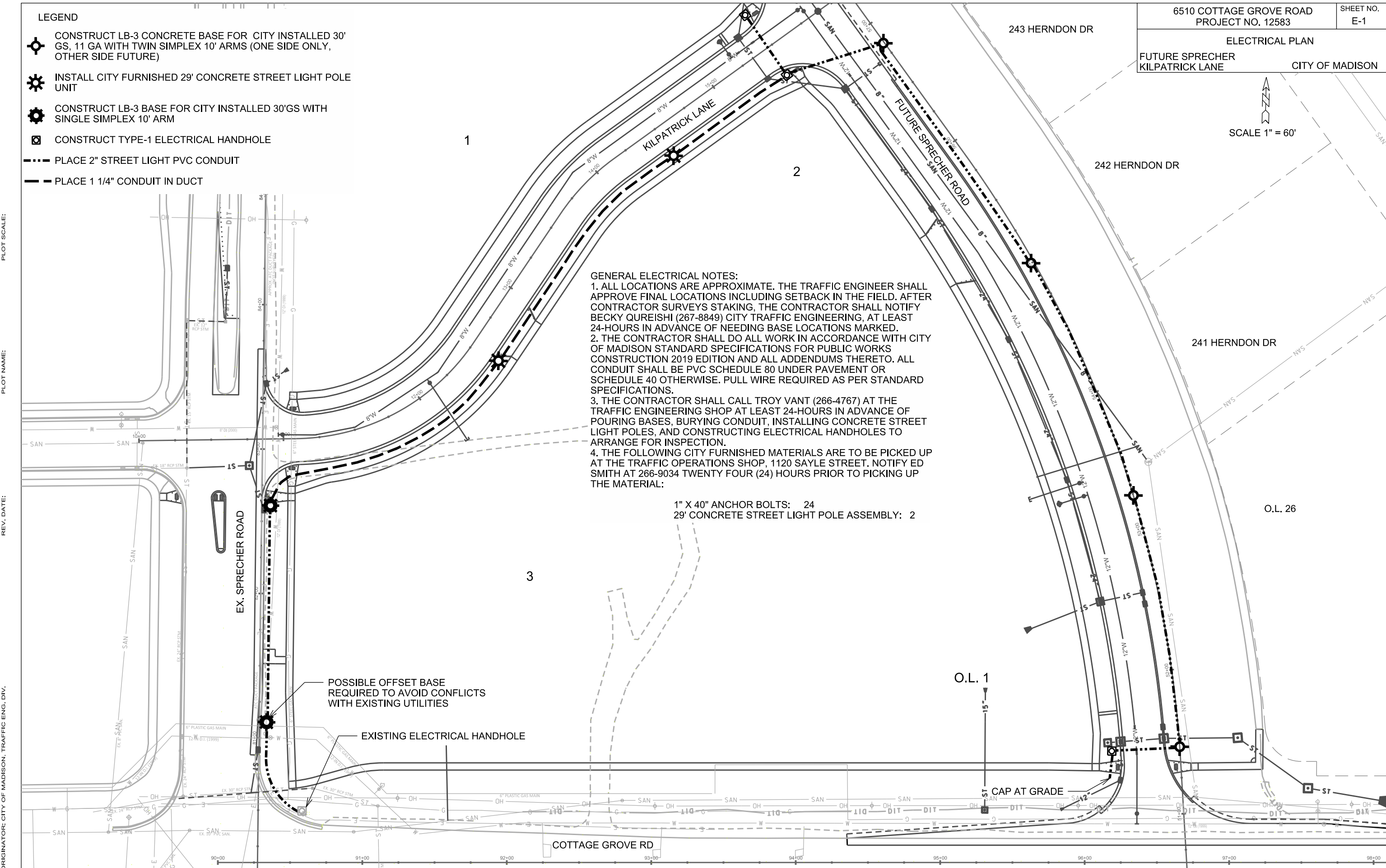


- LEGEND**
- CONSTRUCT LB-3 CONCRETE BASE FOR CITY INSTALLED 30' GS, 11 GA WITH TWIN SIMPLEX 10' ARMS (ONE SIDE ONLY, OTHER SIDE FUTURE)
  - INSTALL CITY FURNISHED 29' CONCRETE STREET LIGHT POLE UNIT
  - CONSTRUCT LB-3 BASE FOR CITY INSTALLED 30'GS WITH SINGLE SIMPLEX 10' ARM
  - CONSTRUCT TYPE-1 ELECTRICAL HANDHOLE
  - PLACE 2" STREET LIGHT PVC CONDUIT
  - PLACE 1 1/4" CONDUIT IN DUCT

**GENERAL ELECTRICAL NOTES:**

1. ALL LOCATIONS ARE APPROXIMATE. THE TRAFFIC ENGINEER SHALL APPROVE FINAL LOCATIONS INCLUDING SETBACK IN THE FIELD. AFTER CONTRACTOR SURVEYS STAKING, THE CONTRACTOR SHALL NOTIFY BECKY QUREISHI (267-8849) CITY TRAFFIC ENGINEERING, AT LEAST 24-HOURS IN ADVANCE OF NEEDING BASE LOCATIONS MARKED.
2. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2019 EDITION AND ALL ADDENDUMS THERETO. ALL CONDUIT SHALL BE PVC SCHEDULE 80 UNDER PAVEMENT OR SCHEDULE 40 OTHERWISE. PULL WIRE REQUIRED AS PER STANDARD SPECIFICATIONS.
3. THE CONTRACTOR SHALL CALL TROY VANT (266-4767) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES, BURYING CONDUIT, INSTALLING CONCRETE STREET LIGHT POLES, AND CONSTRUCTING ELECTRICAL HANDHOLES TO ARRANGE FOR INSPECTION.
4. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC OPERATIONS SHOP, 1120 SAYLE STREET. NOTIFY ED SMITH AT 266-9034 TWENTY FOUR (24) HOURS PRIOR TO PICKING UP THE MATERIAL:

1" X 40" ANCHOR BOLTS: 24  
29' CONCRETE STREET LIGHT POLE ASSEMBLY: 2



POSSIBLE OFFSET BASE REQUIRED TO AVOID CONFLICTS WITH EXISTING UTILITIES

EXISTING ELECTRICAL HANDHOLE

O.L. 1

CAP AT GRADE

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



New Sprecher Road

Cottage Grove Road

Install 24" Stop Bar Epoxy

Install 4" Epoxy Edgeline Match to Existing

Install 6" Crosswalk Epoxy

Remove Edgeline  
Install 8" White Epoxy

Install 4" Epoxy Edgeline Match to Existing

Remove 4" Double Yellow

Install 6" White Epoxy  
10' Line X 30' Gap

Install 4" Epoxy Edgeline Match to Existing

Install 4" Epoxy Edgeline Match to Existing

12'  
12'

250'

14'  
13'  
50'

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



Kilpatrick Lane

Install 6" Crosswalk  
Epoxy

Install 24" Stop Bar  
Epoxy

New S. Sprecher Road

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.





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

Remove Existing 4" Double Yellow  
Install 4" Double Yellow Epoxy

Install 8" White  
Epoxy

Install 4" Double Yellow  
Epoxy

Install 4" Yellow Epoxy  
Edgeline  
Match to Existing

Install 12" Crosswalk  
Epoxy

Match to Existing

Install 8" Diagonal Yellow  
Epoxy

Existing Sprecher Road

Remove Existing 8" White  
Install 8" White Epoxy

Remove 5' X 5' White

Install 8" Diagonal Yellow  
Epoxy

Install 6" White  
Epoxy

Install 4" Double Yellow  
Epoxy

Install 6" Crosswalk  
Epoxy

Install 24" Stop Bar  
Epoxy

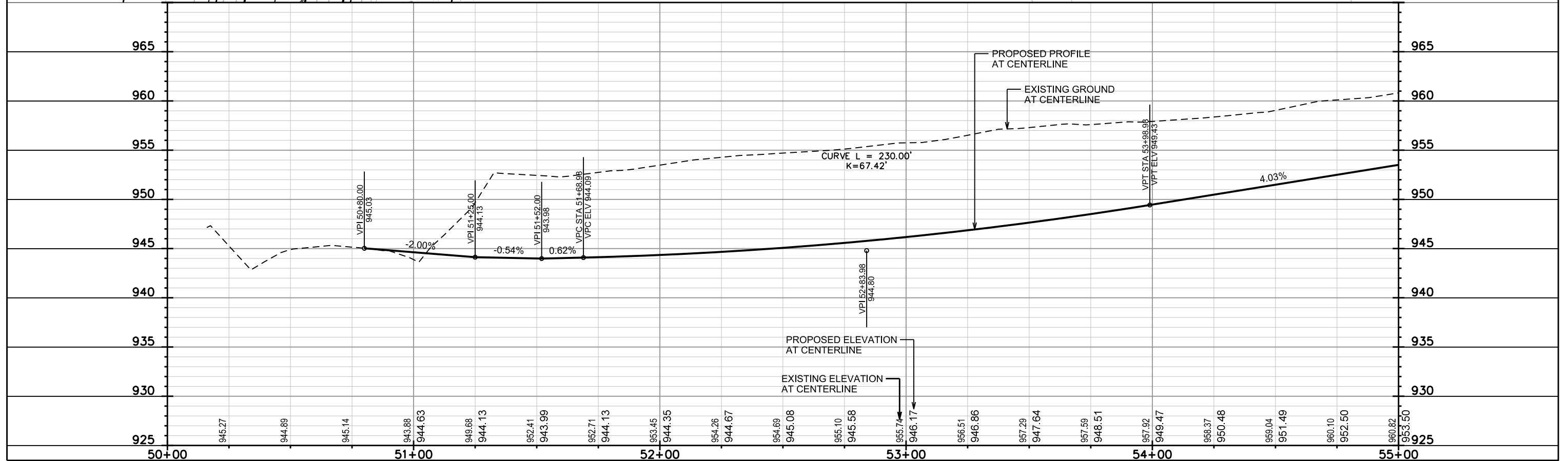
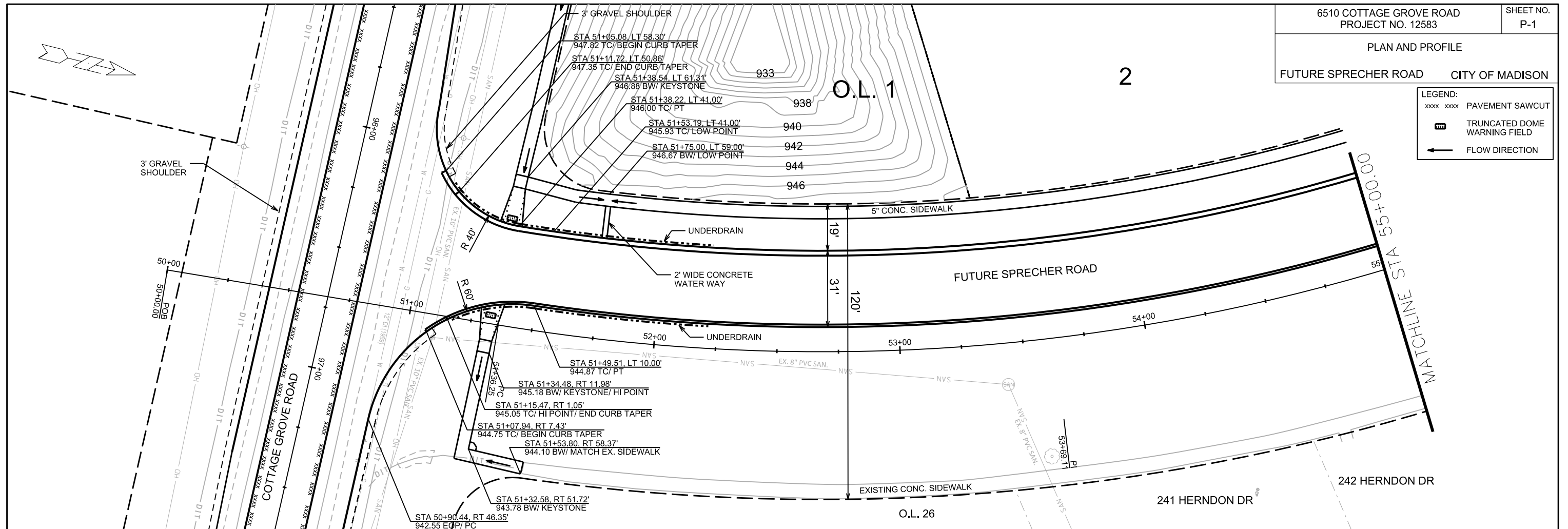
Kilpatrick Lane

PLAN AND PROFILE

FUTURE SPRECHER ROAD CITY OF MADISON



LEGEND:

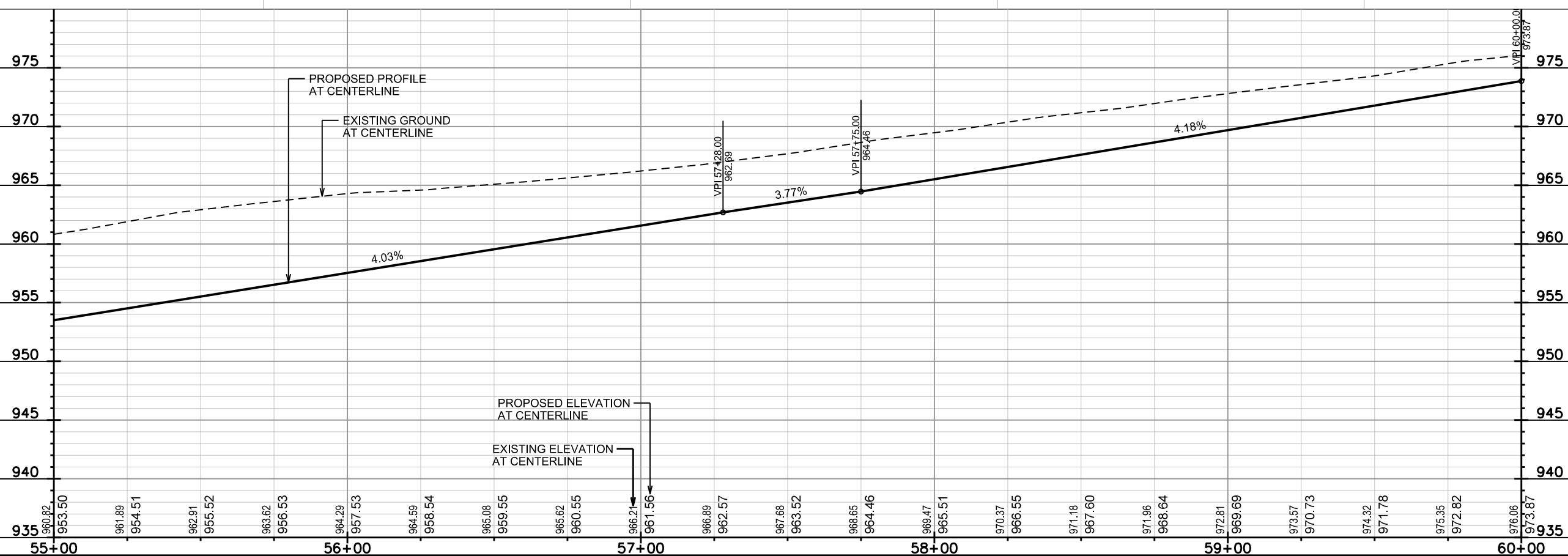
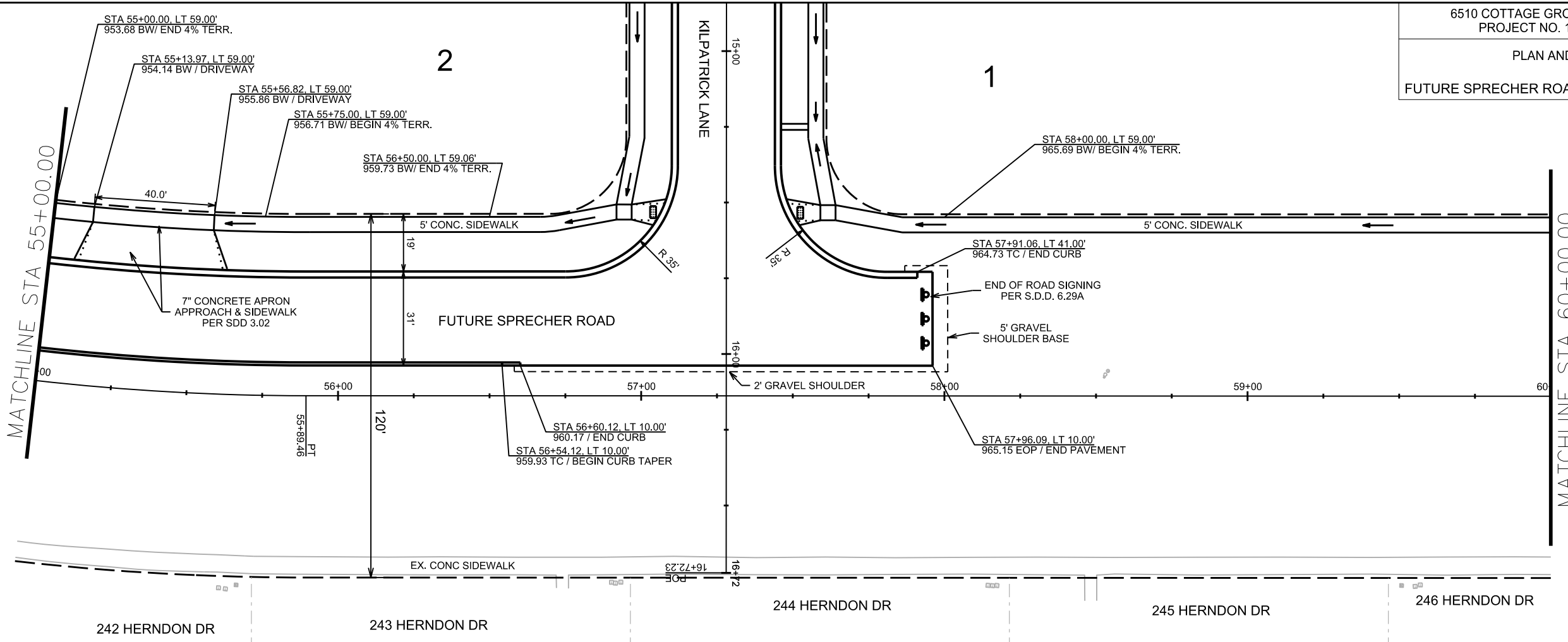
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- TRUNCATED DOME WARNING FIELD
- FLOW DIRECTION



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

PLAN AND PROFILE  
FUTURE SPRECHER ROAD CITY OF MADISON

- LEGEND:  
 xxxx xxxx PAVEMENT SAWCUT  
 TRUNCATED DOME WARNING FIELD  
 FLOW DIRECTION



PLOT SCALE:

PLOT NAME:

REV. DATE:

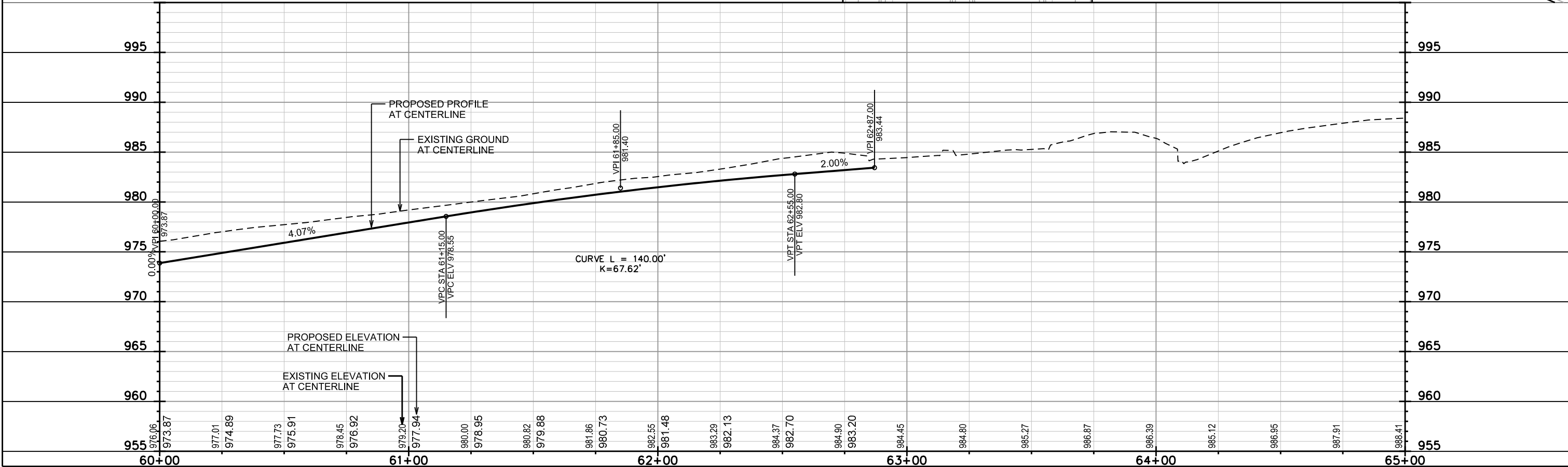
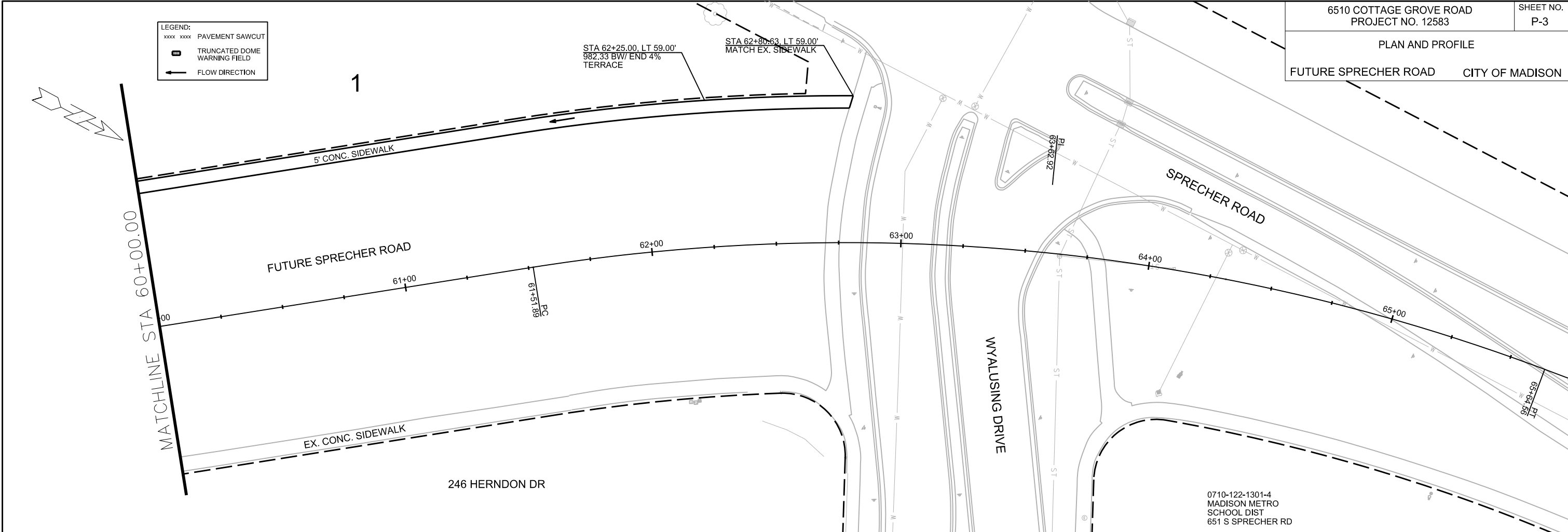
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

FUTURE SPRECHER ROAD CITY OF MADISON

LEGEND:

- xxxx xxxx PAVEMENT SAWCUT
- ▭ TRUNCATED DOME WARNING FIELD
- FLOW DIRECTION



PLOT SCALE:

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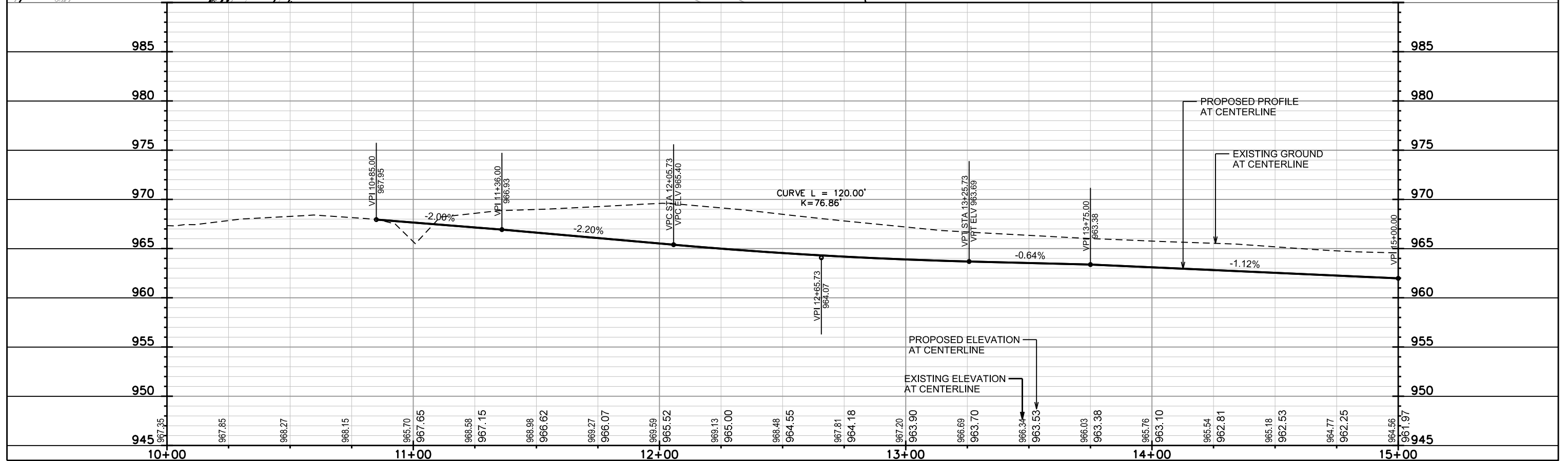
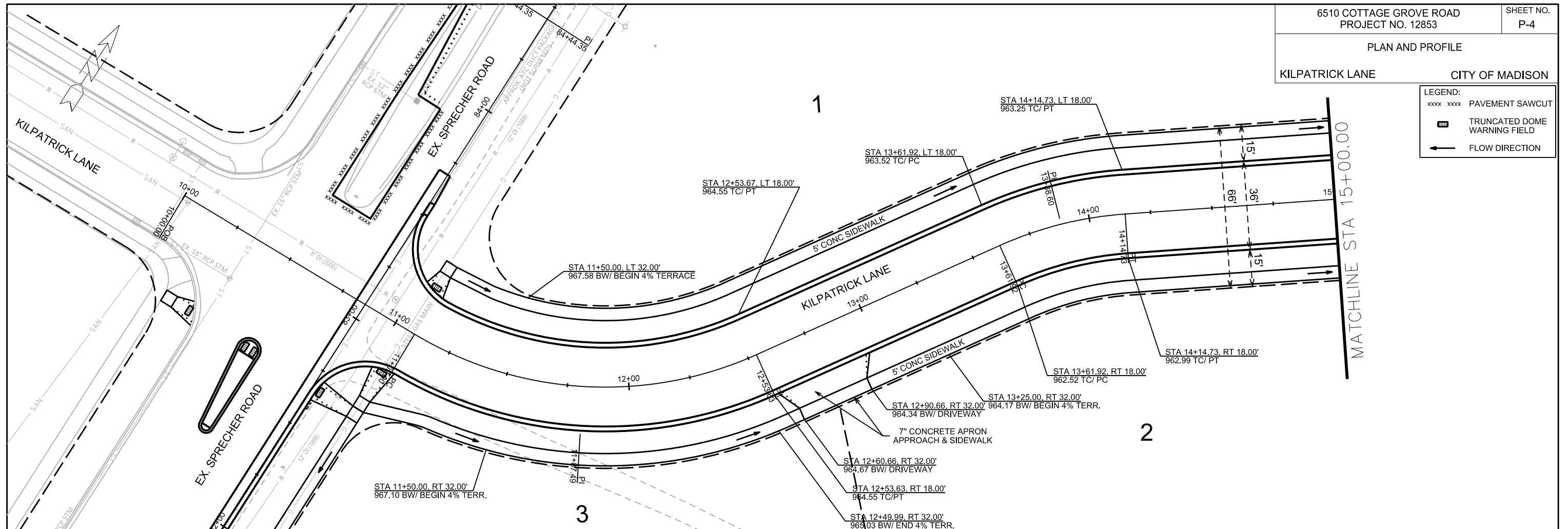
PLAN AND PROFILE

KILPATRICK LANE

CITY OF MADISON

LEGEND:

- xxxx xxxx PAVEMENT SAWCUT
- TRUNCATED DOME WARNING FIELD
- FLOW DIRECTION





PLOT SCALE: \_\_\_\_\_

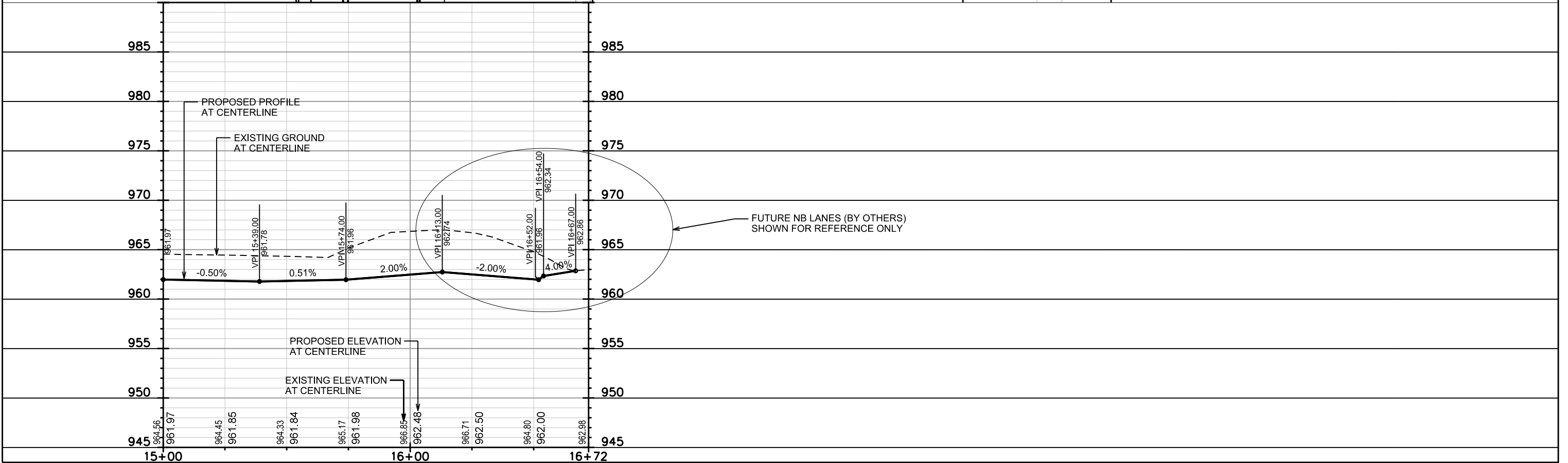
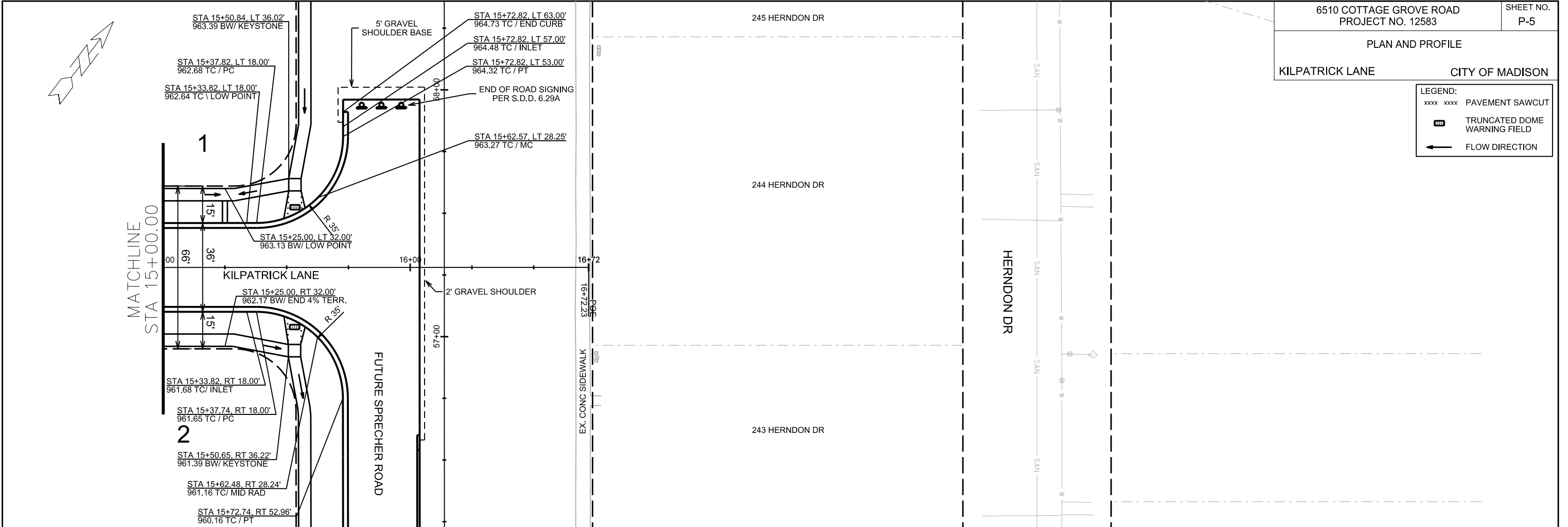
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE  
KILPATRICK LANE CITY OF MADISON

LEGEND:  
 xxxx xxxx PAVEMENT SAWCUT  
 TRUNCATED DOME WARNING FIELD  
 FLOW DIRECTION



PLOT SCALE:

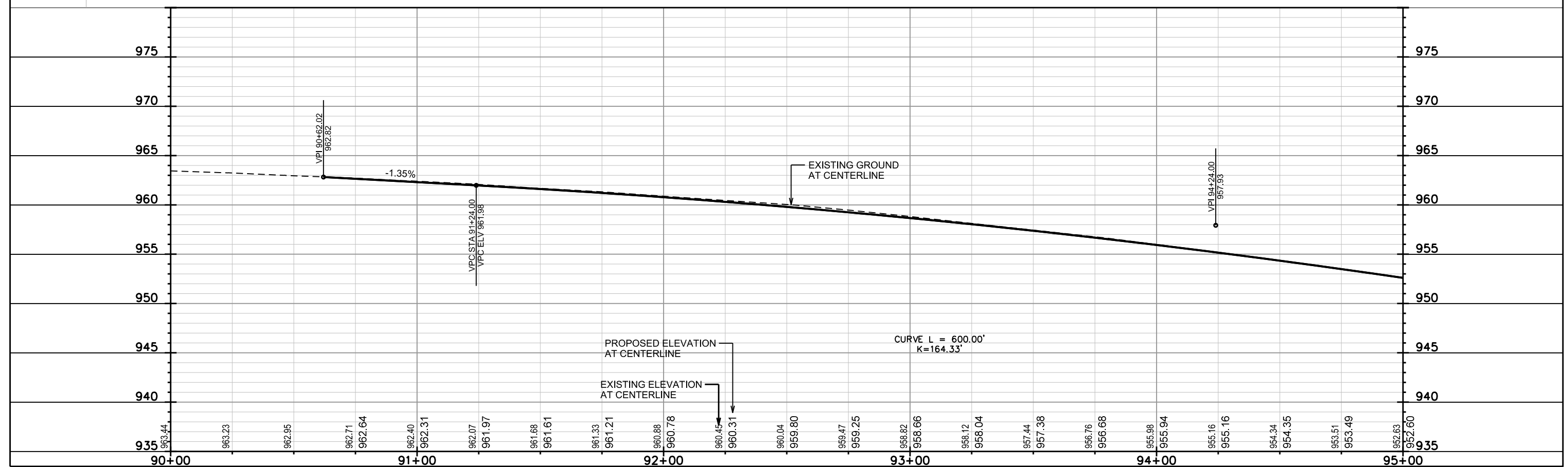
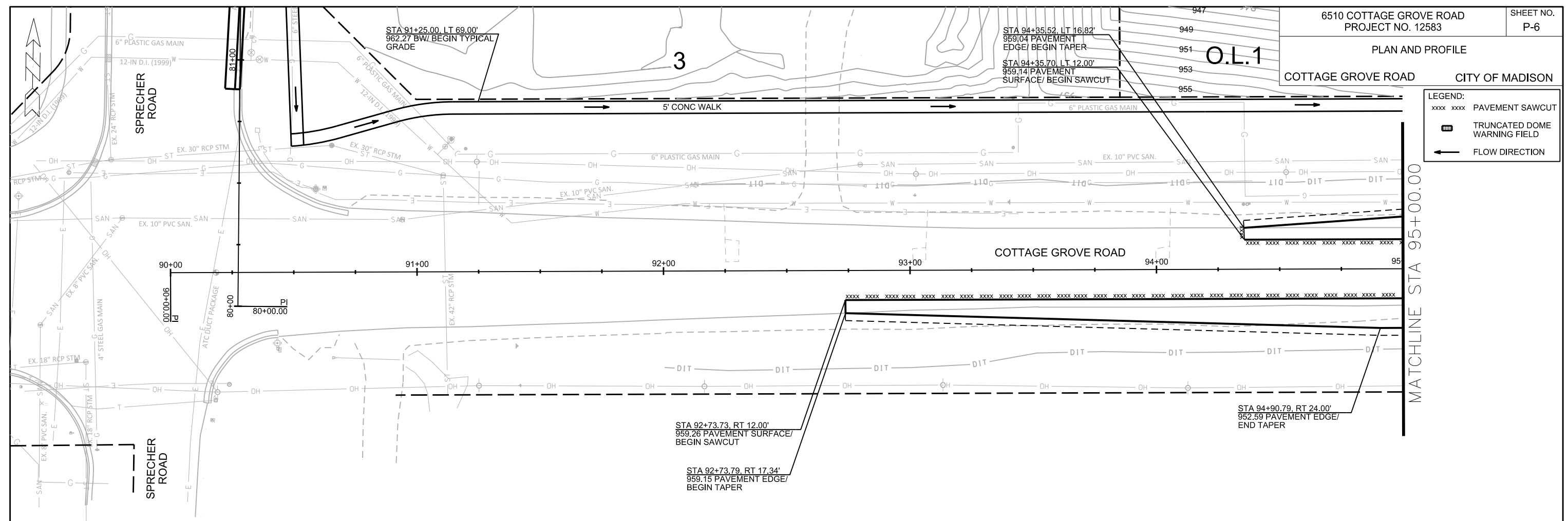
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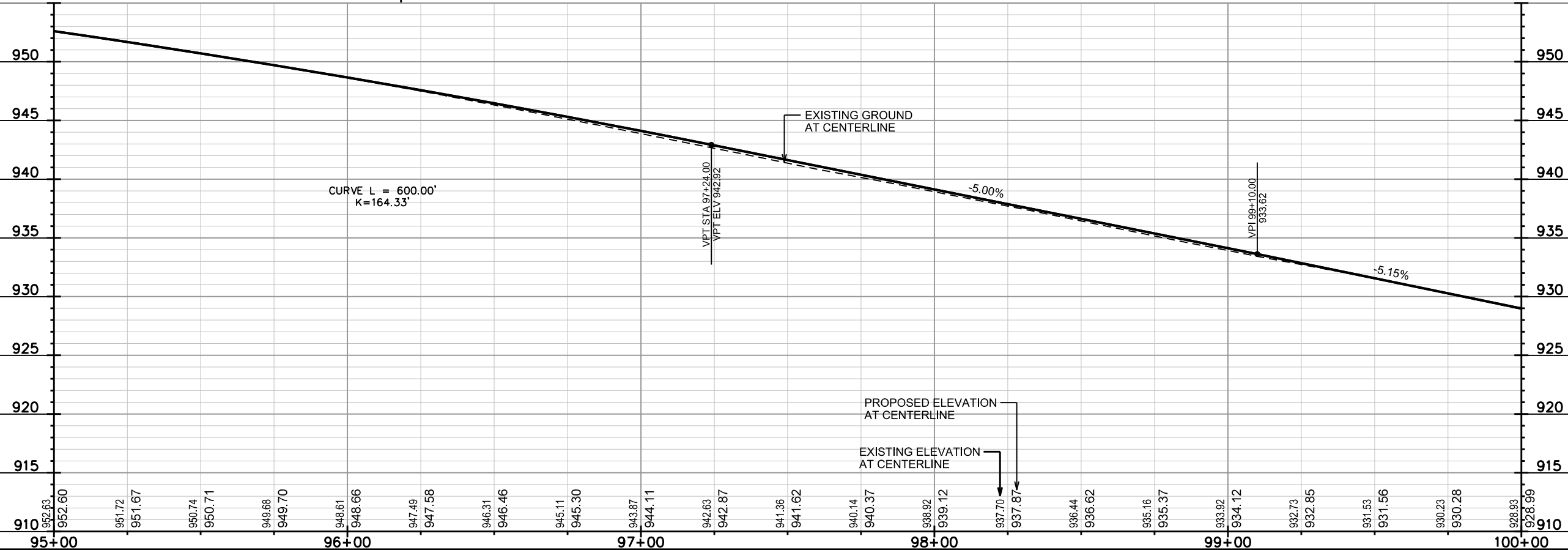
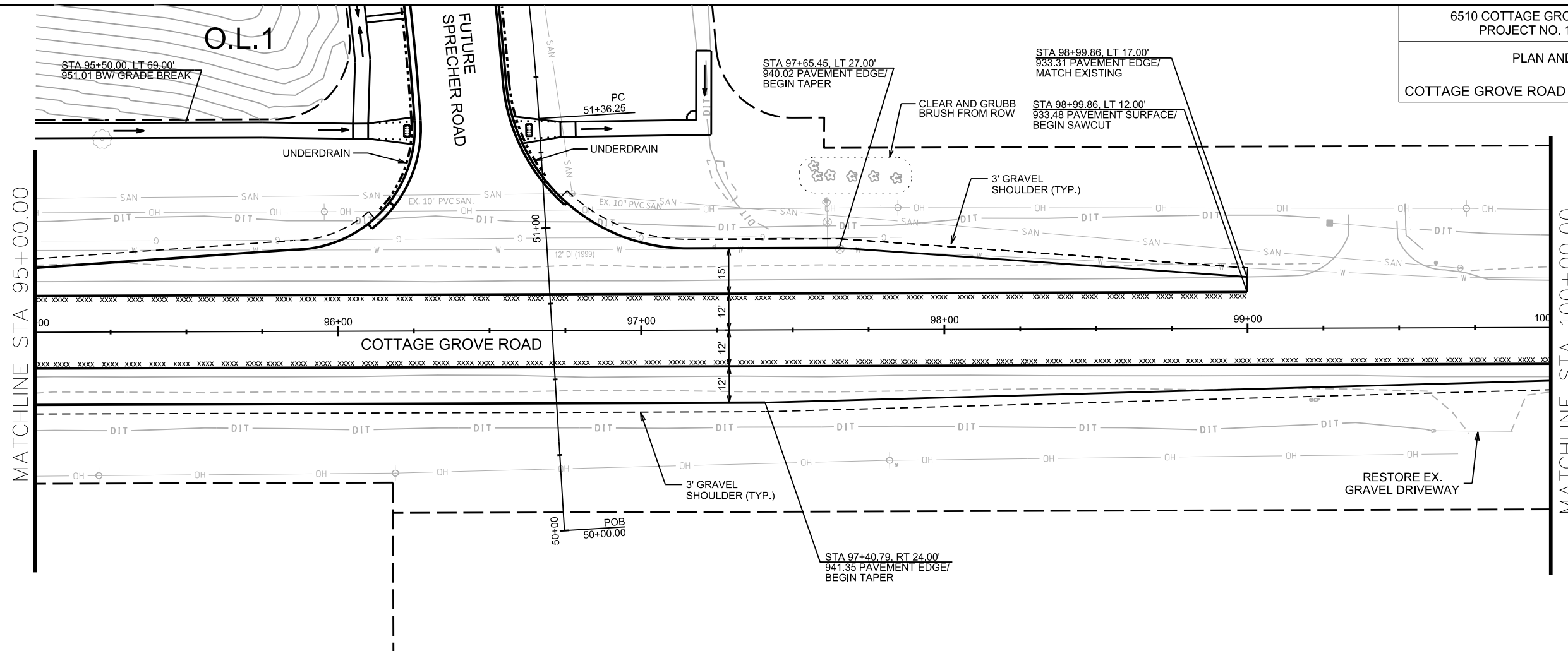
PLAN AND PROFILE  
COTTAGE GROVE ROAD  
CITY OF MADISON

- LEGEND:
- xxxx xxxx PAVEMENT SAWCUT
  - ▬ TRUNCATED DOME WARNING FIELD
  - ← FLOW DIRECTION



PLAN AND PROFILE  
COTTAGE GROVE ROAD CITY OF MADISON

LEGEND:  
 xxxx xxxx PAVEMENT SAWCUT  
 TRUNCATED DOME WARNING FIELD  
 FLOW DIRECTION



PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

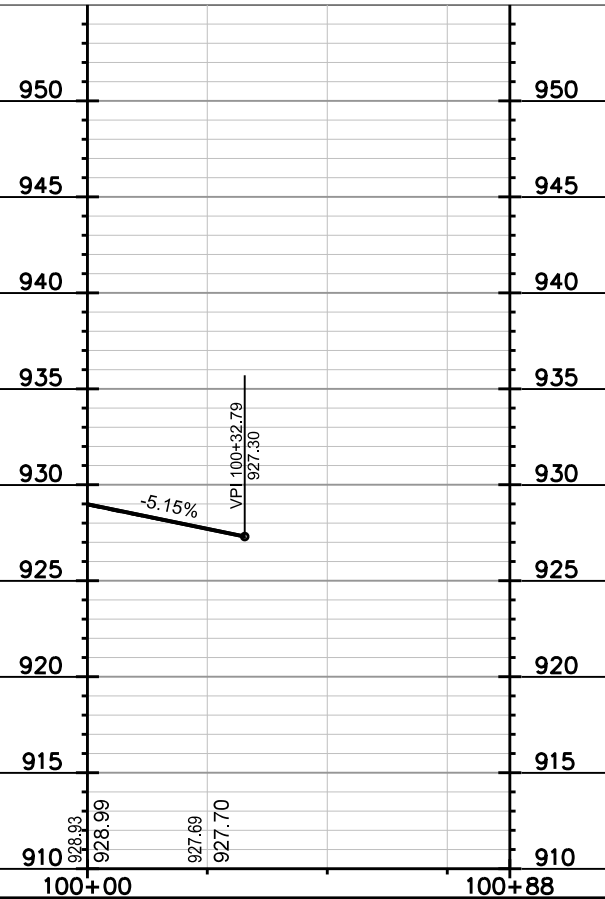
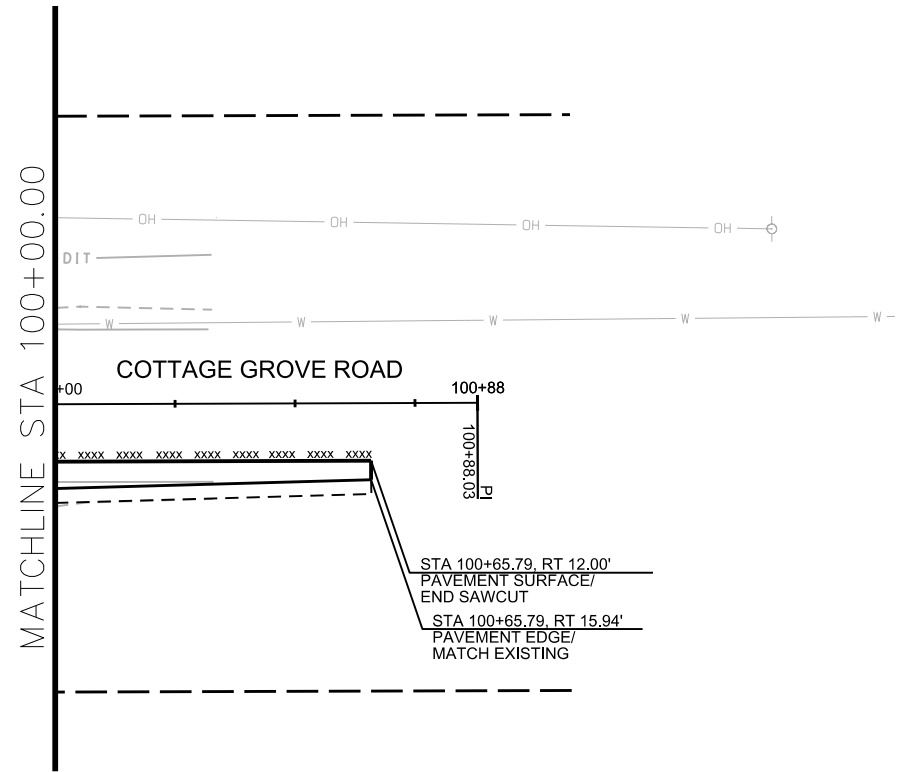
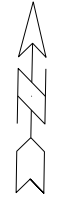


PLAN AND PROFILE

COTTAGE GROVE ROAD CITY OF MADISON

LEGEND:

- xxxx xxxx PAVEMENT SAWCUT
- ▒ TRUNCATED DOME WARNING FIELD
- ← FLOW DIRECTION



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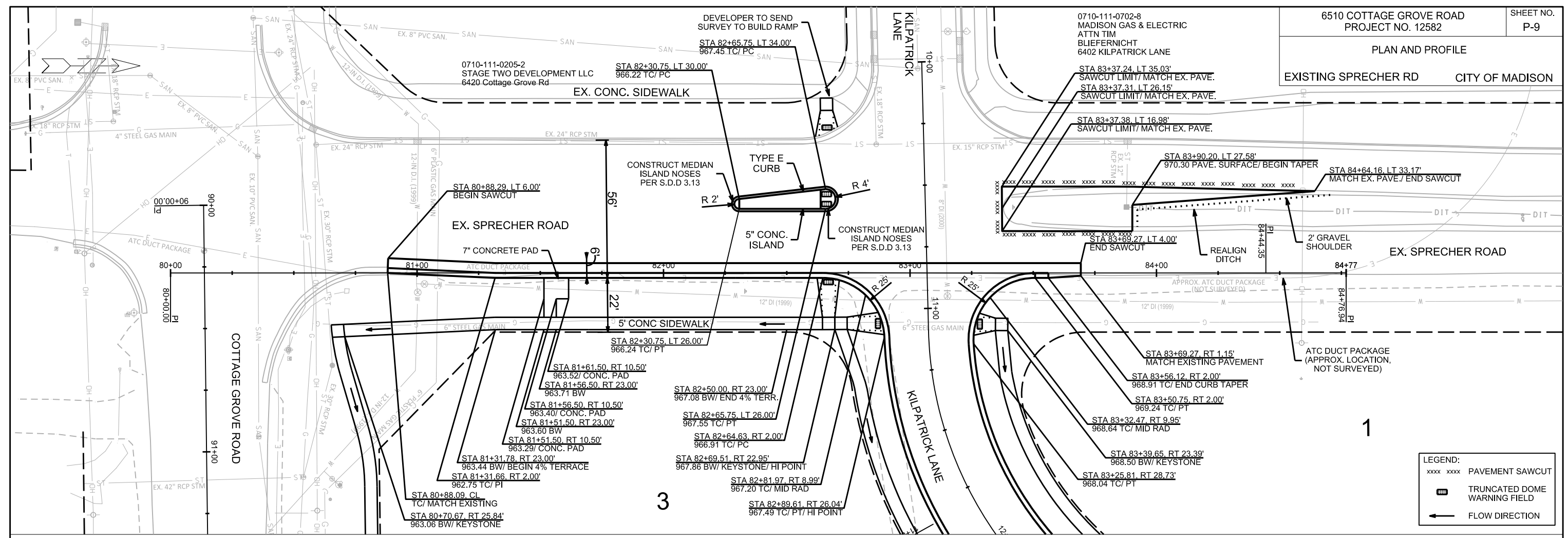
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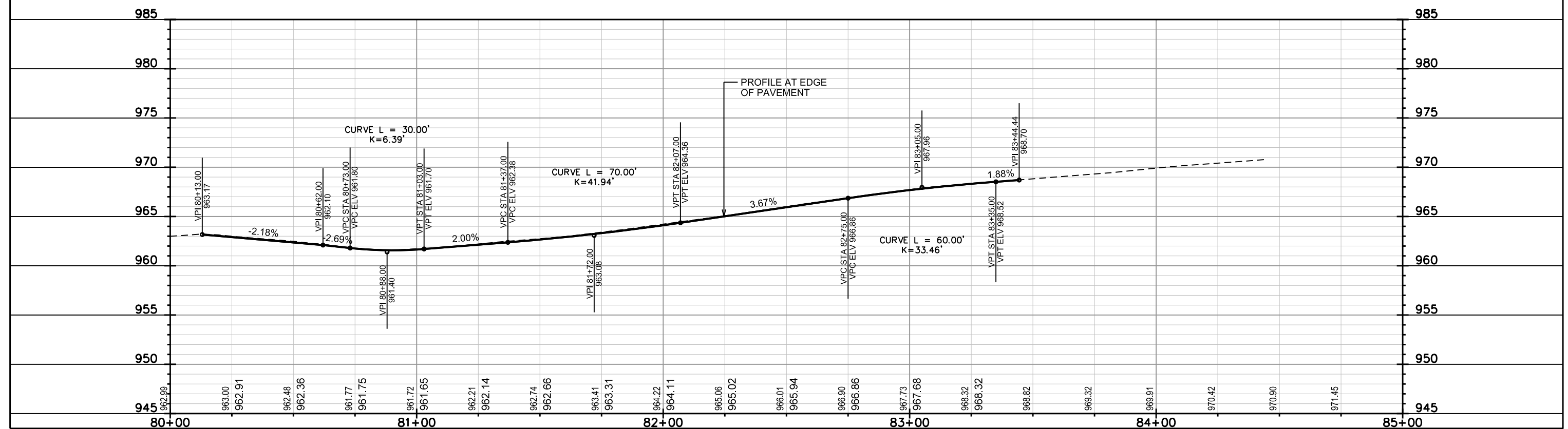
PLAN AND PROFILE

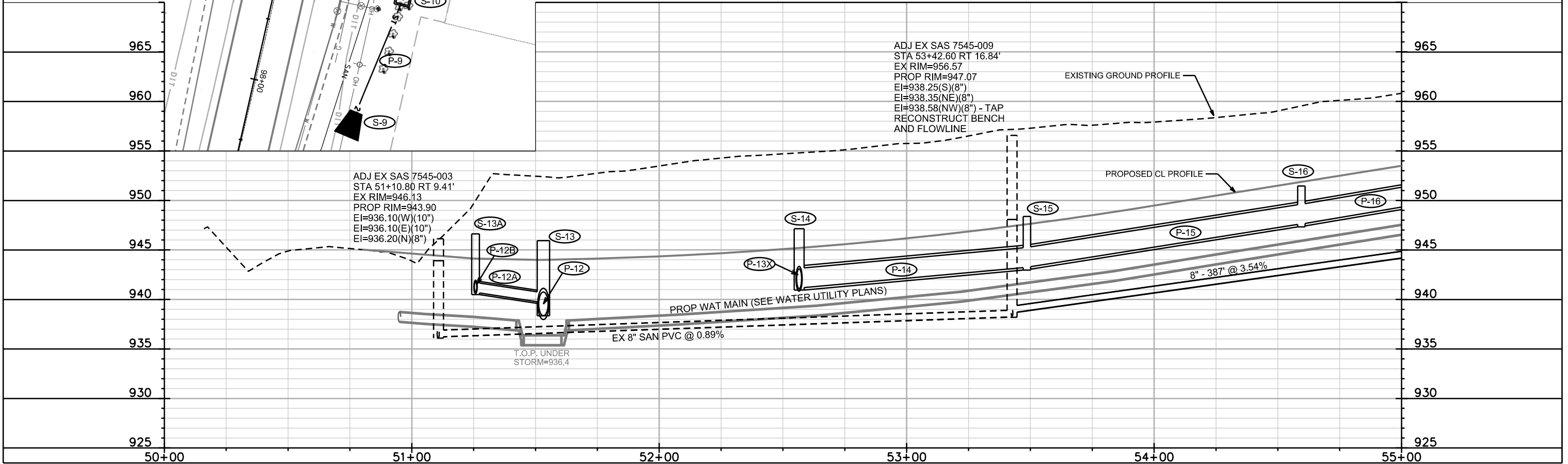
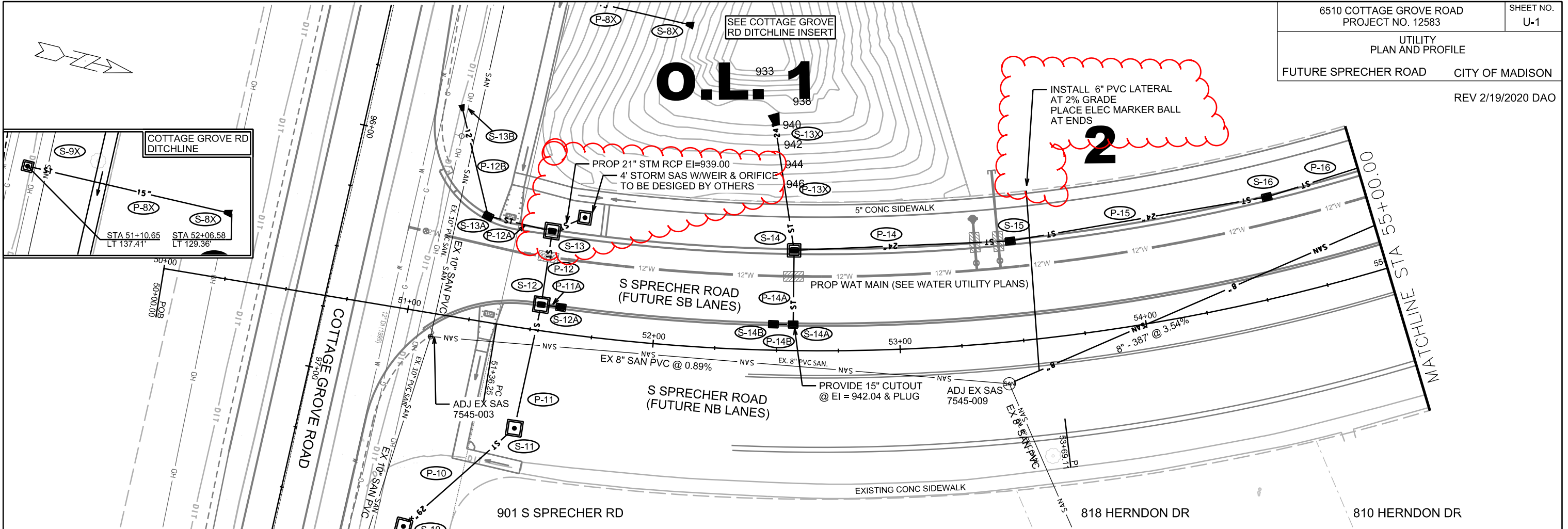
EXISTING SPRECHER RD CITY OF MADISON



**LEGEND:**

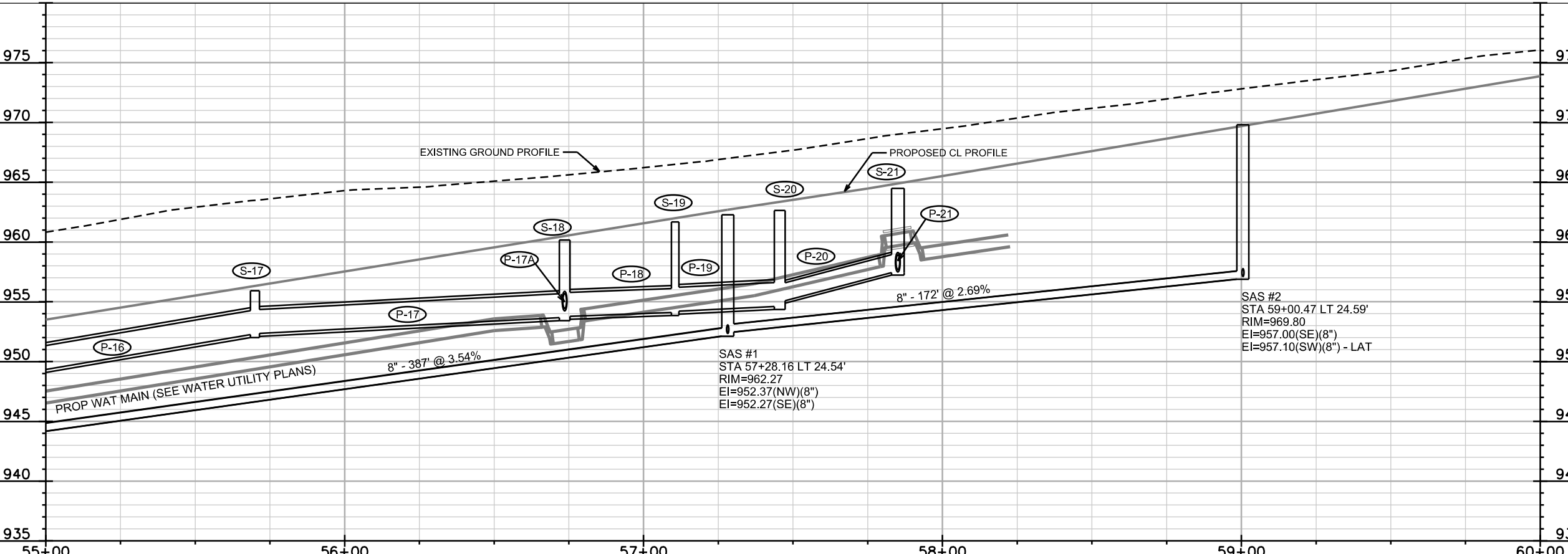
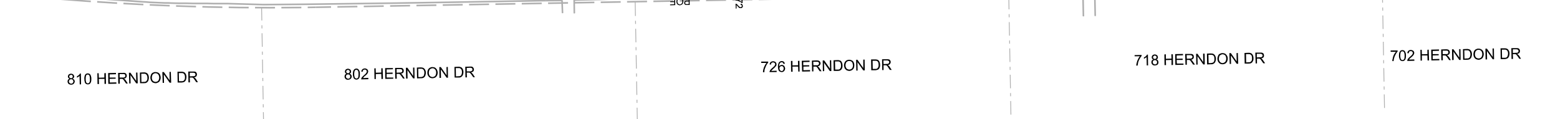
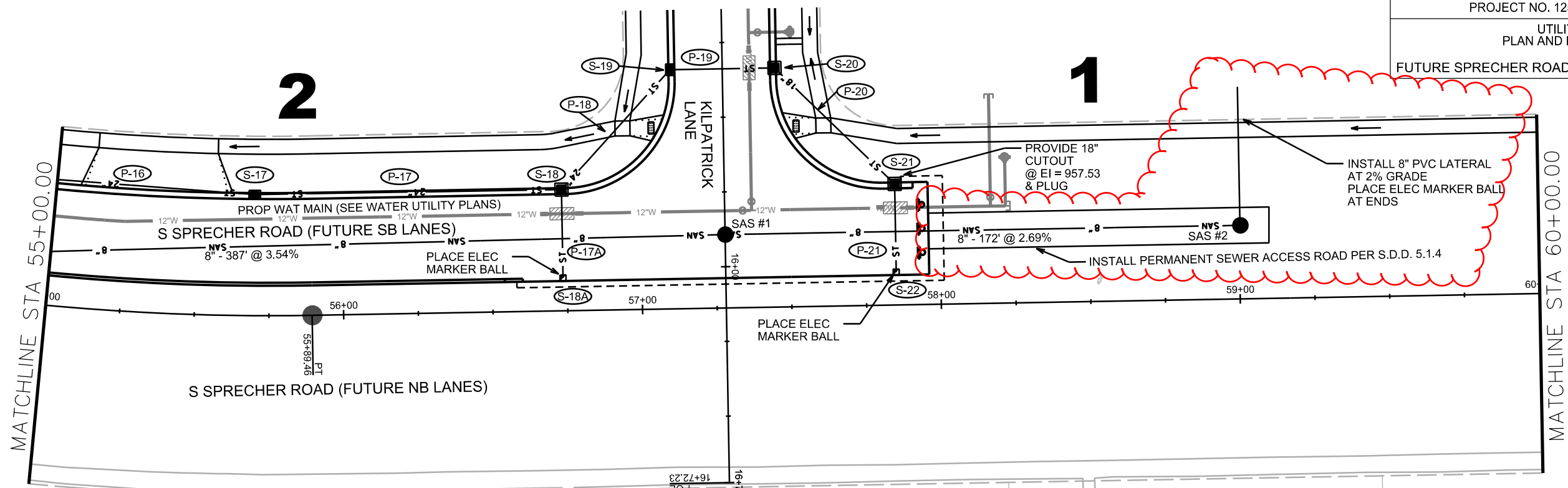
- xxxx xxxx PAVEMENT SAWCUT
- TRUNCATED DOME WARNING FIELD
- FLOW DIRECTION





UTILITY  
PLAN AND PROFILE

FUTURE SPRECHER ROAD CITY OF MADISON  
REV 2/19/2020 DAO

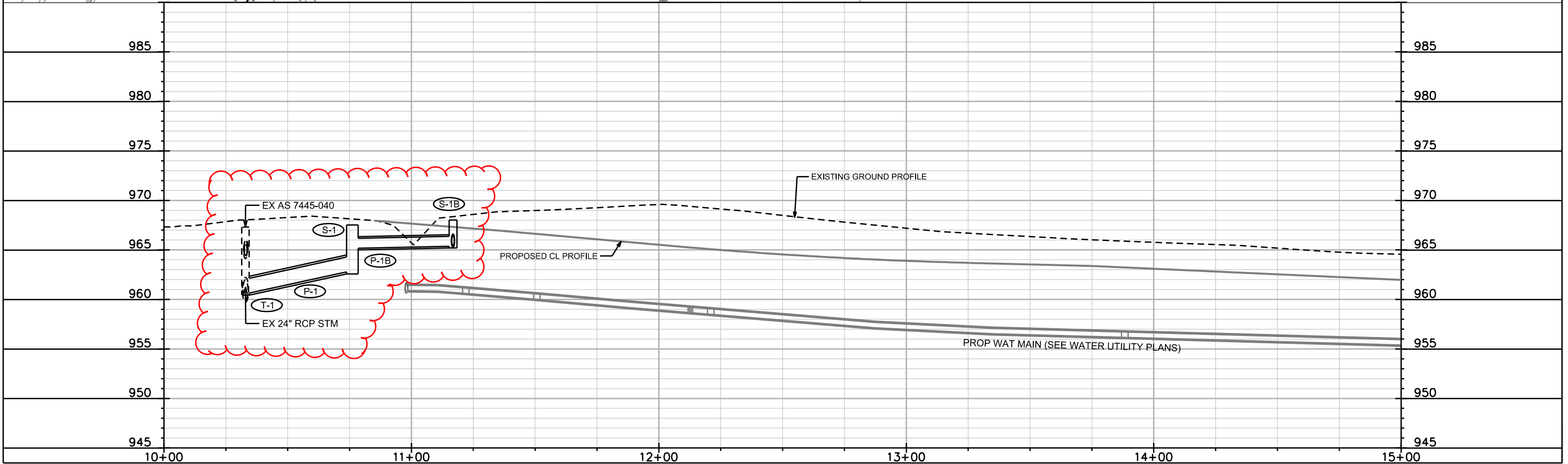
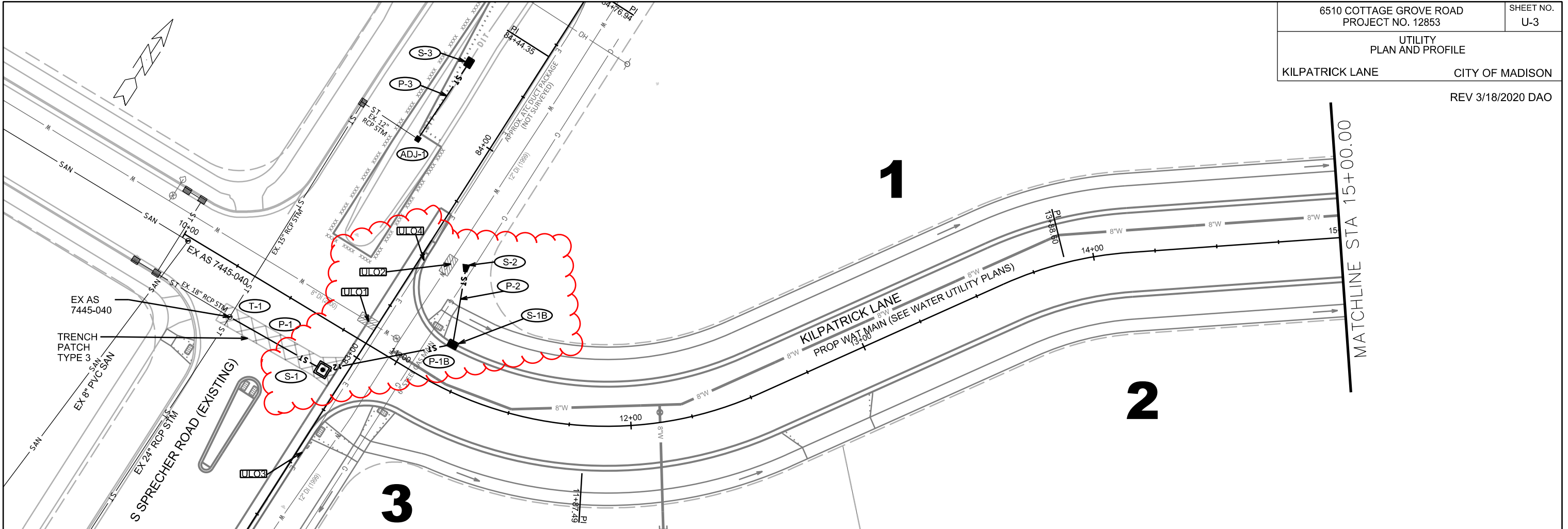


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

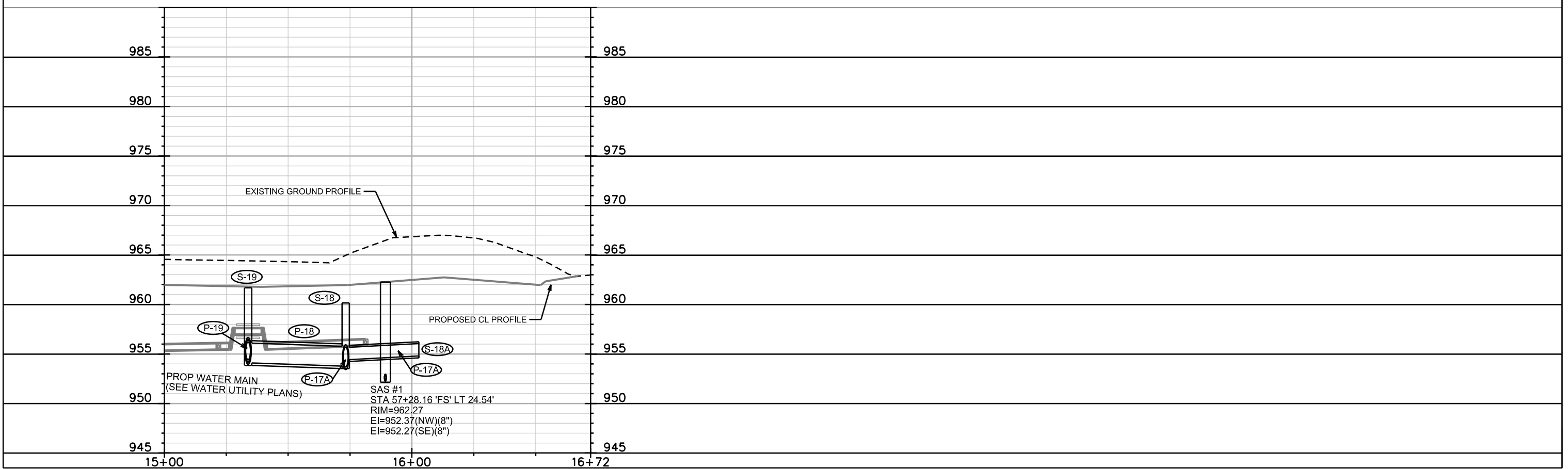
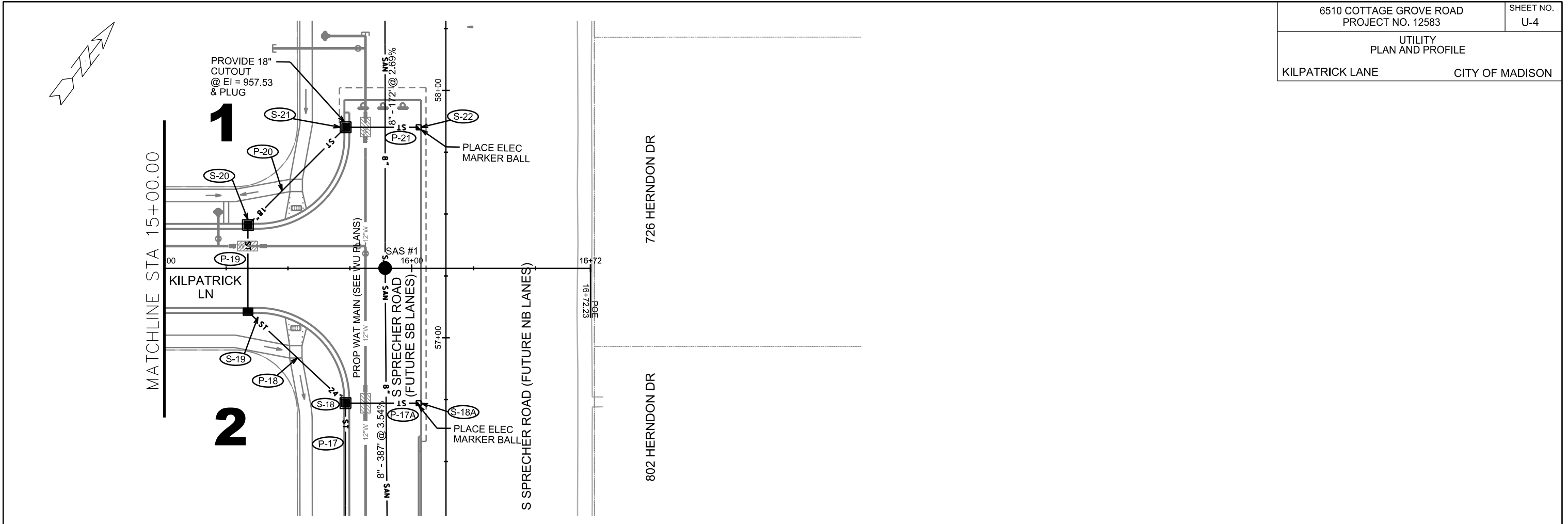


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

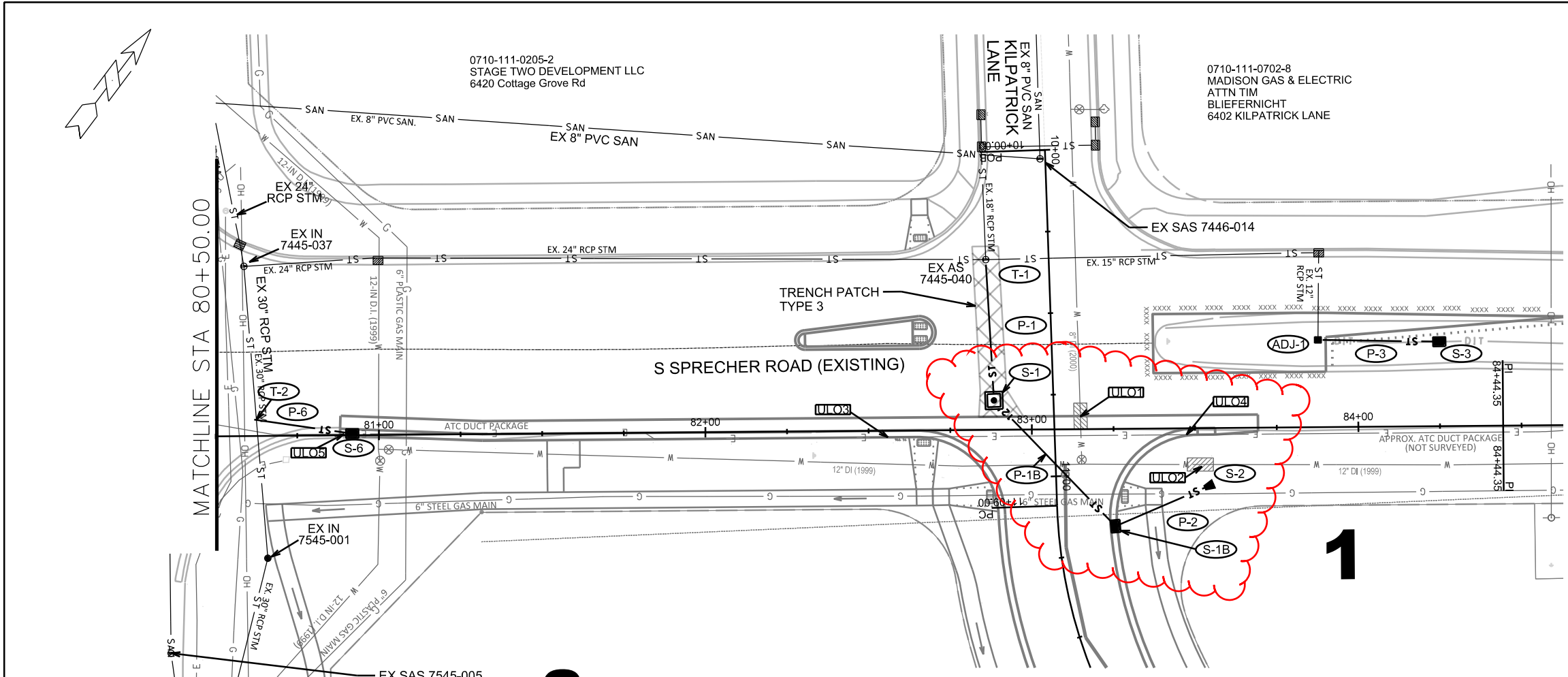


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

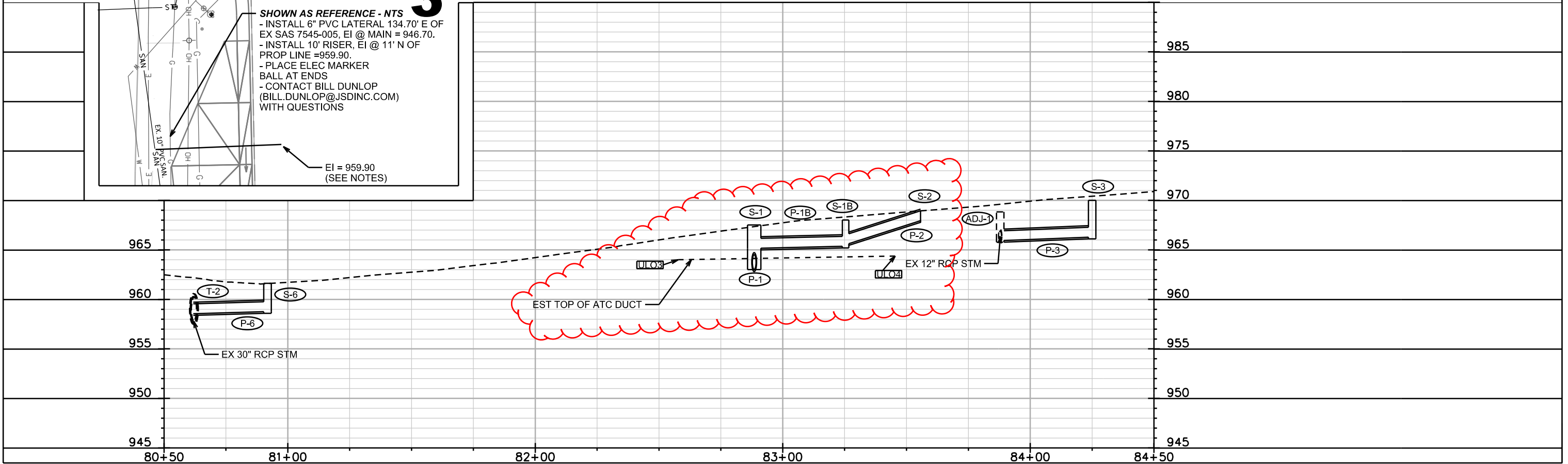


**3**

**SHOWN AS REFERENCE - NTS**

- INSTALL 6" PVC LATERAL 134.70' E OF EX SAS 7545-005, EI @ MAIN = 946.70.
- INSTALL 10' RISER, EI @ 11' N OF PROP LINE = 959.90.
- PLACE ELEC MARKER BALL AT ENDS
- CONTACT BILL DUNLOP (BILL.DUNLOP@JSDINC.COM) WITH QUESTIONS

EI = 959.90  
(SEE NOTES)



# SANITARY SEWER SCHEDULE

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>FUTURE SPRECHER RD</b>						
SAS #1	57+28.16	LT-24.54	962.27	952.27	10.00	
SAS #2	59+00.47	LT-24.59	969.80	957.00	12.80	

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>FUTURE SPRECHER RD</b>								
EX SAS 7545-009	SAS #1	938.58	952.27	387	3.54%	8	SDR-35	(1)(2)
SAS #1	SAS #2	952.37	957.00	172	2.69%	8	SDR-35	

## ADJUST SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	EX TOC	PROP TOC	ADJUSTMENT (FT)	NOTES
<b>FUTURE SPRECHER RD</b>						
EX SAS 7545-003	51+10.80	RT-9.41	946.13	943.90	-2.23	SALVAGE CASTING
EX SAS 7545-009	53+42.60	RT-16.84	956.57	947.07	-9.50	SALVAGE CASTING

## SPECIFIC NOTES

- (1) TAP EX SAS 7545-009
- (2) RECONSTRUCT BENCH AND FLOWLINE EX SAS 7545-009



# STORM SEWER SCHEDULE

\* REV 3/18/2020 DAO

6510 COTTAGE GROVE ROAD	SHEET NO.
PROJECT NO. 12583	U-7
STORM SEWER SCHEDULE	
CITY OF MADISON	

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>S SPRECHER RD &amp; KILPATRICK LN</b>							
T-1	10+32.94	RT-19.29	TAP	-	960.47	-	TAP EX AS 7445-040
S-1	10+76.14	RT-18.21	4x4 SAS	967.52	963.02	4.50	W/1550-0054
* S-1A	<del>10+85.86</del>	<del>RT-49.12</del>	H INLET	<del>966.56</del>	<del>963.67</del>	<del>2.89</del>	<del>FP; W/3067-7004-V</del>
* S-1B	<b>11+16.82</b>	<b>RT-17.53</b>	H INLET	<b>968.02</b>	<b>965.39</b>	<b>2.63</b>	FP; W/3067-7004-V
S-2	11+03.91	LT-48.30	12" RCP AE	-	967.95	-	W/ GATE
S-3	84+25.00	LT-25.85	H INLET	970.01	966.28	3.73	W/1878-B7G
<b>COTTAGE GROVE RD</b>							
T-2	80+61.83	LT-5.05	TAP	-	958.55	-	(3)
S-6	80+91.83	LT-0.50	H INLET	961.62	958.77	2.85	FP; W/3067-7004-V
<b>FUTURE SPRECHER RD</b>							
S-8X	52+06.58	LT-129.36	15" RCP AE	-	940.00	-	W/ GATE
S-9X	51+10.65	LT-137.41	3x3 SAS	949.94	944.00	5.94	W/2560-E
S-9	50+98.87	RT-145.86	29"X45" HERCP AE	-	937.00	-	W/ GATE
S-10	51+12.56	RT-86.86	5x5 SAS	943.35	937.52	5.83	FP; W/1550-0054
S-11	51+49.61	RT-40.50	5x5 SAS	943.91	937.87	6.04	FP; W/1550-0054
S-12	51+53.04	LT-10.50	5x5 SAS	944.87	938.17	6.70	FP; W/3067-7004-V
S-12A	51+61.15	LT-10.50	H INLET	944.92	939.66	5.26	W/3067-7004-V
S-13	51+53.19	LT-40.50	5x5 SAS	945.93	938.34	7.59	FP; LP; W/3067-7004-VB; (1)
S-13A	51+25.77	LT-42.40	H INLET	946.62	940.66	5.96	FP; W/3067-7004-V
S-13B	51+07.73	LT-85.10	12" RCP AE	-	947.60	-	W/ GATE
S-13X	52+46.17	LT-95.50	24" RCP AE	-	940.00	-	W/ GATE
S-14	52+56.52	LT-40.50	4x4 SAS	947.17	941.09	6.08	W/3067-7004-V
S-14A	52+56.57	LT-10.50	H INLET	946.08	941.79	4.29	W/3067-7004-V; (1)
S-14B	52+48.46	LT-10.50	H INLET	945.92	942.33	3.59	W/3067-7004-V
S-15	53+48.58	LT-40.50	H INLET	948.38	943.21	5.17	W/3067-7004-V
S-16	54+59.49	LT-40.50	H INLET	951.46	947.57	3.89	W/3067-7004-V
S-17	55+69.99	LT-40.50	H INLET	955.92	952.25	3.67	W/3067-7004-V
S-18	56+73.60	LT-40.58	3x3 SAS	960.10	953.68	6.42	W/3067-7004-V
S-18A	56+73.59	LT-11.00	PIPE PLUG	-	954.80	-	PLACE ELEC MARKER BALL
S-19	57+10.56	LT-80.00	H INLET	961.68	954.10	7.58	LP; W/3067-7004-VB
S-20	57+45.56	LT-80.00	3x3 SAS	962.64	954.61	8.03	LP; W/3067-7004-VB
S-21	57+85.06	LT-40.50	3x3 SAS	964.48	957.43	7.05	W/3067-7004-V; (2)
S-22	57+85.06	LT-11.00	PIPE PLUG	-	957.89	-	PLACE ELEC MARKER BALL

## PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>S SPRECHER RD &amp; KILPATRICK LN</b>										
P-1	T-1	S-1	960.47	963.02	43	40	6.42%	18"	RCP	
* P-1A	S-4	S-4A	<del>963.52</del>	<del>963.67</del>	<del>32</del>	<del>29</del>	<del>0.52%</del>	<del>12"</del>	<del>RCP</del>	
* P-1B	S-1	S-1B	<b>965.14</b>	<b>965.39</b>	<b>54</b>	<b>49</b>	<b>0.51%</b>	<b>12"</b>	<b>RCP</b>	
* P-2	S-1B	S-2	<b>965.44</b>	<b>967.95</b>	<b>33</b>	<b>32</b>	<b>7.84%</b>	<b>12"</b>	<b>RCP</b>	
P-3	ADJ-1	S-5	965.94	966.28	37	34	1.00%	12"	RCP	
<b>COTTAGE GROVE RD</b>										
P-6	T-2	S-6	958.55	958.77	30	29	0.76%	12"	RCP	
<b>FUTURE SPRECHER RD</b>										
P-8X	S-8X	S-9X	940.00	944.00	85	83	4.82%	15"	RCP	
P-9	S-9	S-10	937.00	937.52	61	58	0.90%	29"X45"	HERCP	
P-10	S-10	S-11	937.52	937.87	60	54	0.65%	29"X45"	HERCP	
P-11	S-11	S-12	937.87	938.17	51	46	0.65%	29"X45"	HERCP	
P-11A	S-12	S-12A	939.58	939.66	8	4	2.00%	12"	RCP	
P-12	S-12	S-13	938.17	938.34	30	25	0.68%	29"X45"	HERCP	
P-12A	S-13	S-13A	939.76	940.66	27	23	3.98%	12"	RCP	
P-12B	S-13A	S-13B	940.76	947.80	46	45	15.64%	12"	RCP	
P-13X	S-13X	S-14	940.00	941.09	56	54	2.02%	24"	RCP	
P-14	S-14	S-15	941.19	943.21	87	84	2.40%	24"	RCP	
P-14A	S-14	S-14A	941.59	941.79	30	27	0.74%	18"	RCP	
P-14B	S-14A	S-14B	942.29	942.33	8	5	0.80%	12"	RCP	
P-15	S-15	S-16	943.31	947.57	105	102	4.17%	24"	RCP	
P-16	S-16	S-17	947.67	952.25	105	102	4.50%	24"	RCP	
P-17	S-17	S-18	952.35	953.68	103	100	1.33%	24"	RCP	
P-17A	S-18	S-18A	954.43	954.80	30	28	1.35%	15"	RCP	
P-18	S-18	S-19	953.78	954.10	54	51	0.63%	24"	RCP	
P-19	S-19	S-20	954.20	954.61	35	33	1.26%	24"	RCP	
P-20	S-20	S-21	955.11	957.43	56	52	4.46%	18"	RCP	
P-21	S-21	S-22	957.68	957.89	30	28	0.75%	15"	RCP	

## UTILITY LINE OPENINGS

ID NO.	STATION	LOC (OFFSET)	TYPE	NOTES
* ULO1	83+14.87	LT-3.87	WAT (8")	<b>TOP = 960.69</b>
* ULO2	83+51.61	RT-11.14	WAT (12")	<b>TOP = 961.35</b>
* ULO3	82+57.81	RT-2.50	ELEC	<b>TOP = 964.01</b>
* ULO4	83+45.46	RT-2.00	ELEC	<b>TOP = 964.38</b>
* ULO5	80+89.25	LT-0.37	ELEC	<b>TOP = 956.70</b>

## ADJUST STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
N SPRECHER RD & KILPATRICK LN	ADJ-1	IN 7445-042	83+87.86	LT-26.73	H INLET (4)

**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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

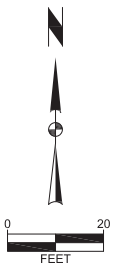
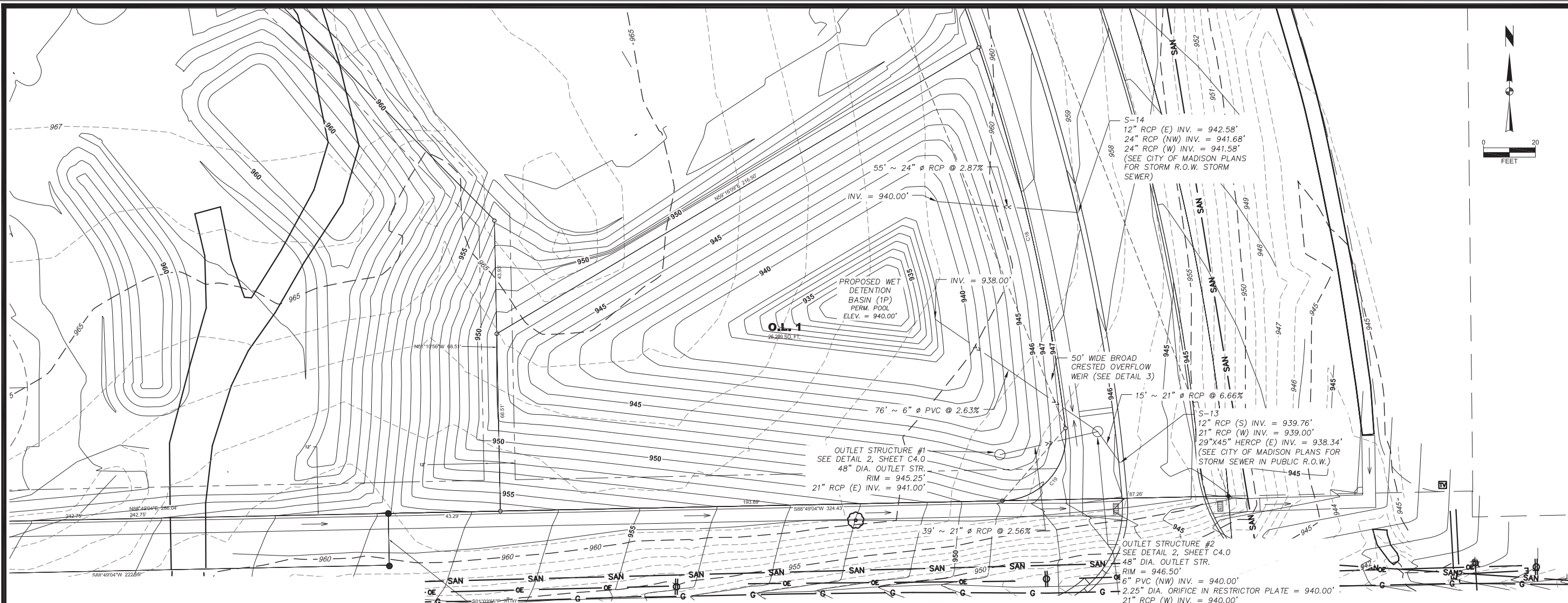
## SPECIFIC NOTES

(1) SEE U-1 FOR NOTES

(2) PROVIDE 18" CUTOUT @ 957.53 & PLUG (SEE U-2)

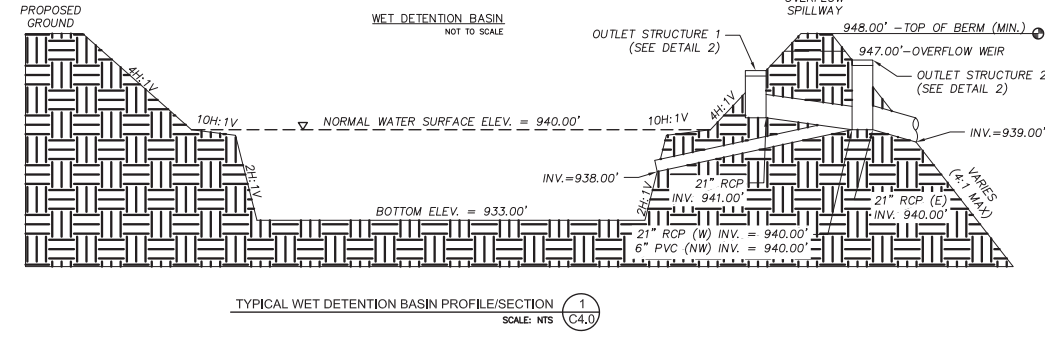
(3) TAP AT SPRINGLINE OF EX 30" STM RCP IS ALLOWED; CONNECT WITH FITTING

(4) STRUCTURE TAP; ADJUST RIM TO 970.30; REPLACE CASTING W/1550-0054

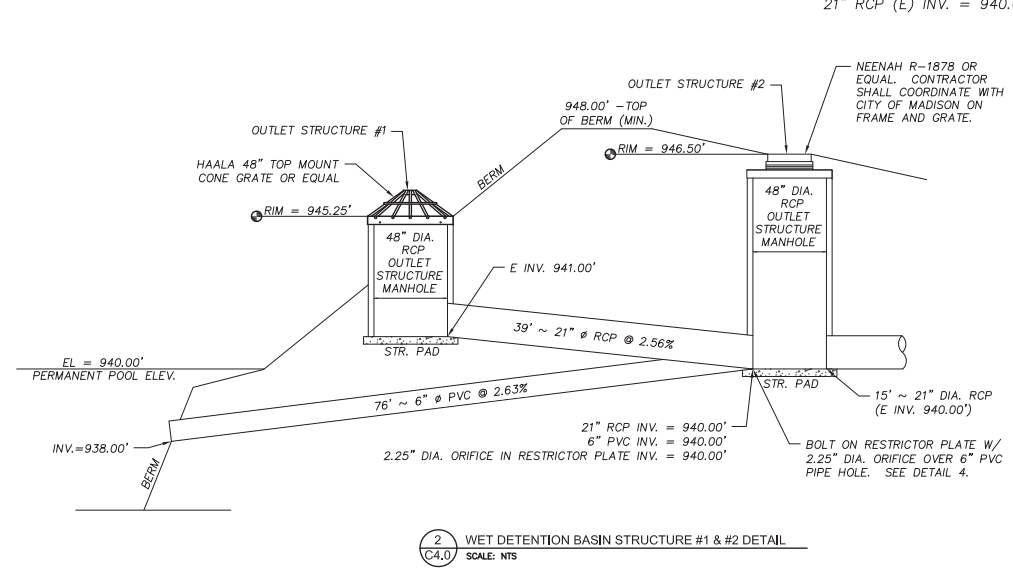


**WISCONSIN PROFESSIONAL ENGINEERING**  
**MICHAEL CALKINS**  
 E-27683  
 San Francisco  
 State of California  
*Michael Calkins*  
 12/23/2019

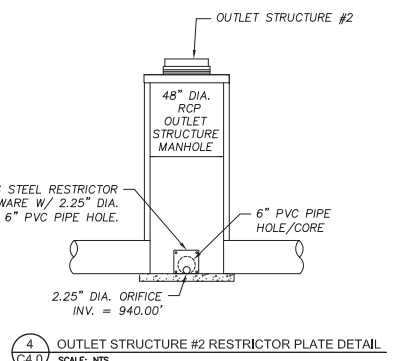
- NOTES:**
- CONTRACTOR AND OWNER SHALL ENSURE WET DETENTION BASIN IS INSTALLED, BROUGHT ON-LINE, AND MAINTAINED IN ACCORDANCE WITH WDRN TECHNICAL STANDARD 1001. FOR TECH. STANDARD 1001, SEE WEBSITE <http://dnr.wi.gov/topic/stormwater/documents/WetPondStd1001.pdf>
  - BASIN SHALL BE ROUGH GRADED IN ORDER TO ACT AS A SEDIMENT BASIN DURING CONSTRUCTION. THE BASIN SHALL MONITORED DURING CONSTRUCTION AND ALL SEDIMENT SHALL BE REMOVED ONCE THE SITE IS STABILIZED, ENSURING THE POND PROFILE MATCHES THE PROPOSED DESIGN.



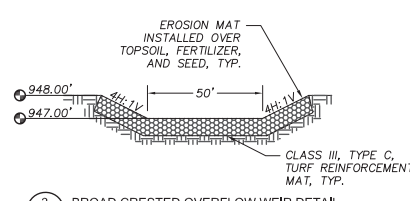
**1**  
**TYPICAL WET DETENTION BASIN PROFILE/SECTION**  
 SCALE: NTS  
**C4.0**



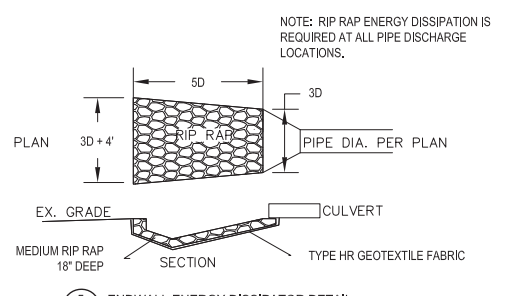
**2**  
**WET DETENTION BASIN STRUCTURE #1 & #2 DETAIL**  
 SCALE: NTS  
**C4.0**



**4**  
**OUTLET STRUCTURE #2 RESTRICTOR PLATE DETAIL**  
 SCALE: NTS  
**C4.0**



**3**  
**BROAD CRESTED OVERFLOW WEIR DETAIL**  
 SCALE: NTS  
**C4.0**



**5**  
**ENDWALL ENERGY DISSIPATOR DETAIL**  
 SCALE: NTS  
**C4.0**

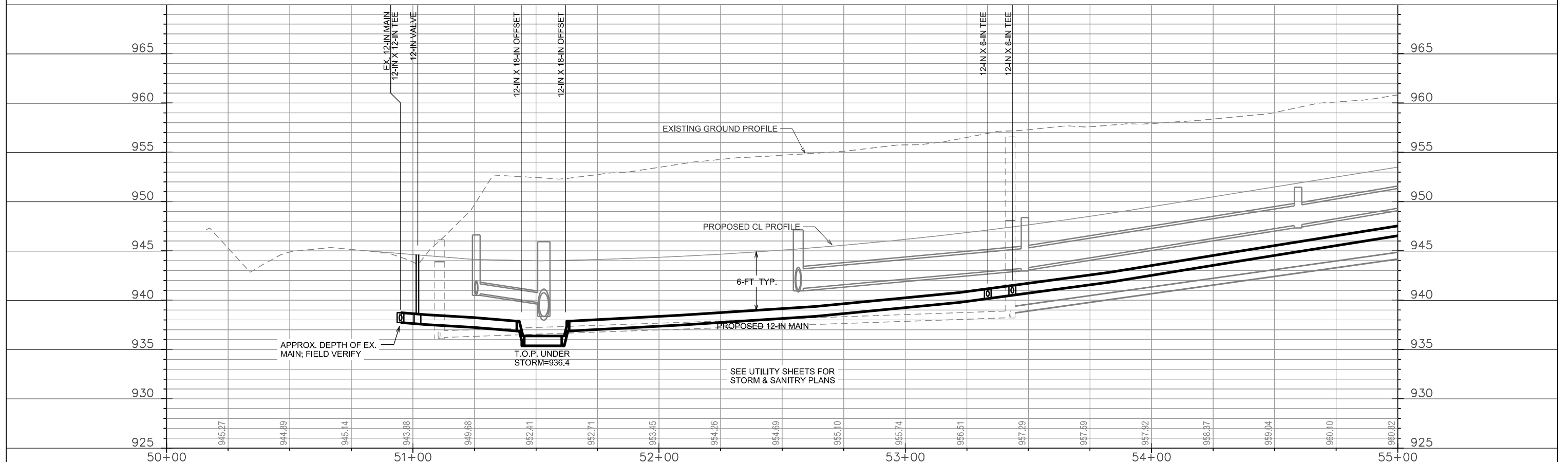
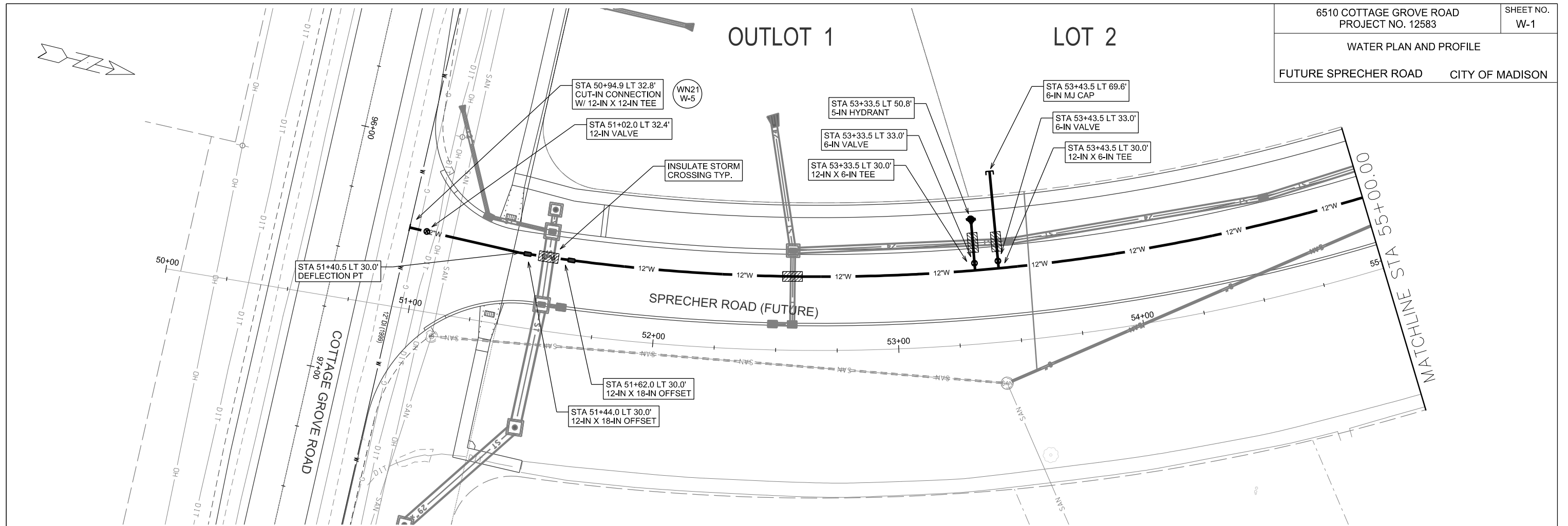
3	BASIN OUTLET UPDATES	12-23-19	ZLR
2	GRADING & BASIN UPDATES	10-16-19	ZLR
1	WET DETENTION BASIN UPDATES	7-12-19	ZLR
	MARK REVISION	DATE	BY
	Engineer: MLC	Checked By: ZLR	Scale: AS SHOWN
	Technician: ZLR	Date: 01-25-2019	Field Bk:
			118.0536.30
			<b>C 4.0</b>

**CGRD, LLC. - CSM**  
**STORMWATER BASIN DETAILS**  
 CITY OF MADISON, DANE COUNTY, WI  
 5010 VOGES ROAD  
 MADISON, WISCONSIN 53718  
 608-838-0444 | www.snyder-associates.com  
**SNYDER & ASSOCIATES, INC.**



OUTLOT 1

LOT 2

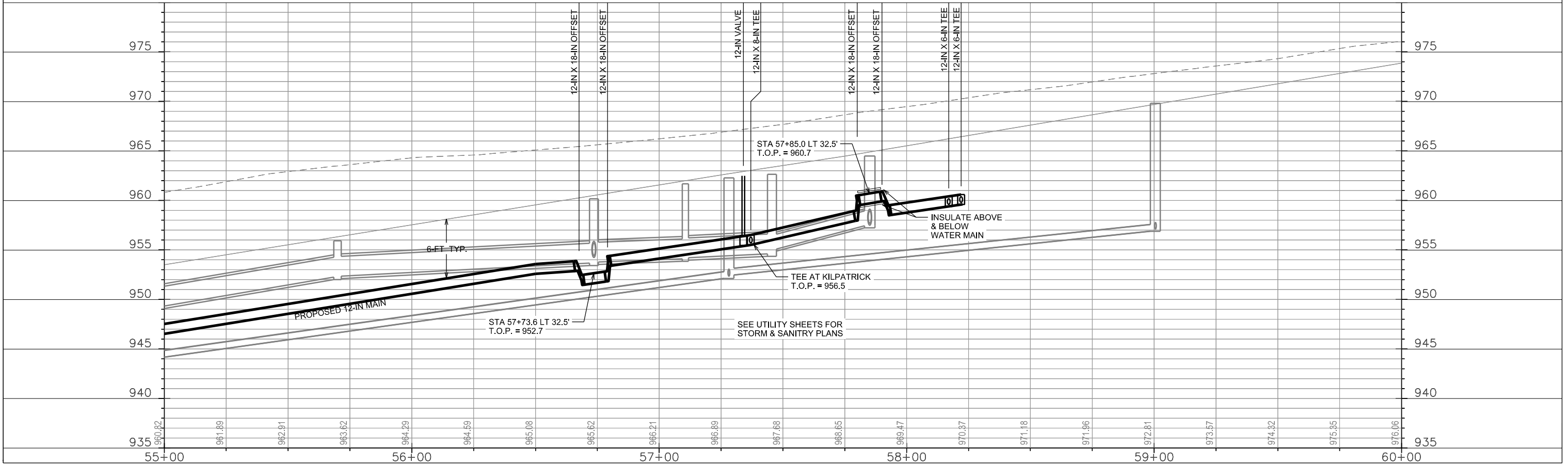
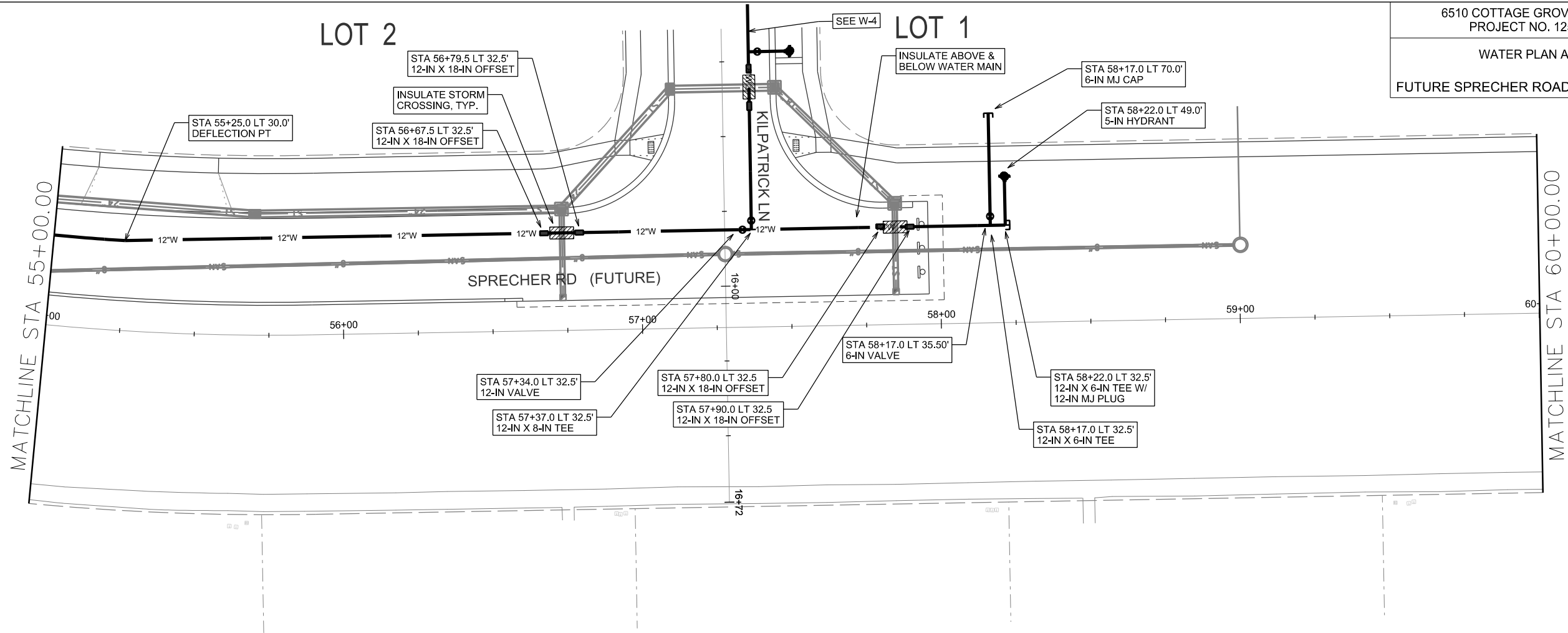
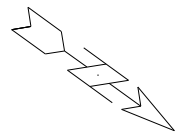


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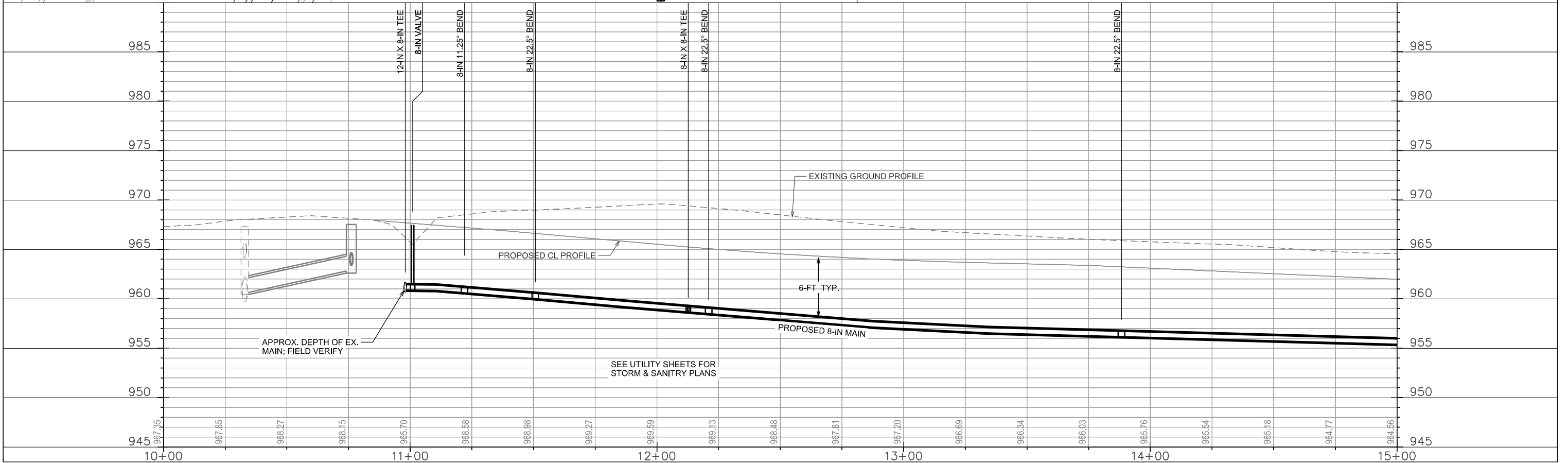
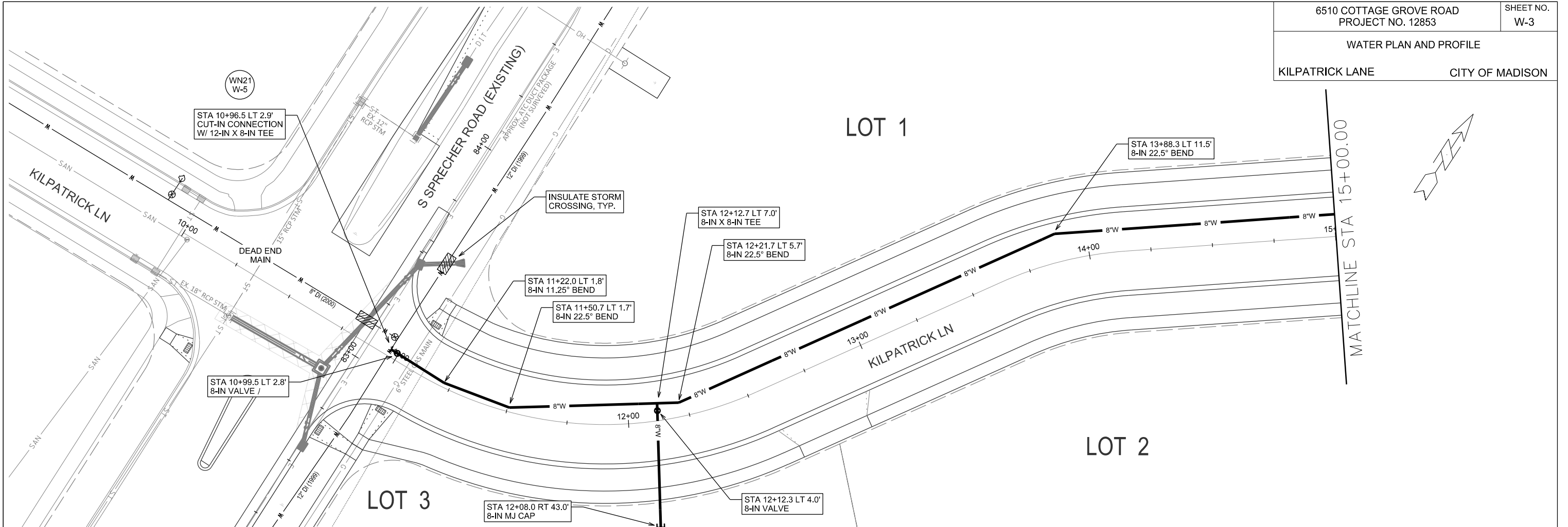


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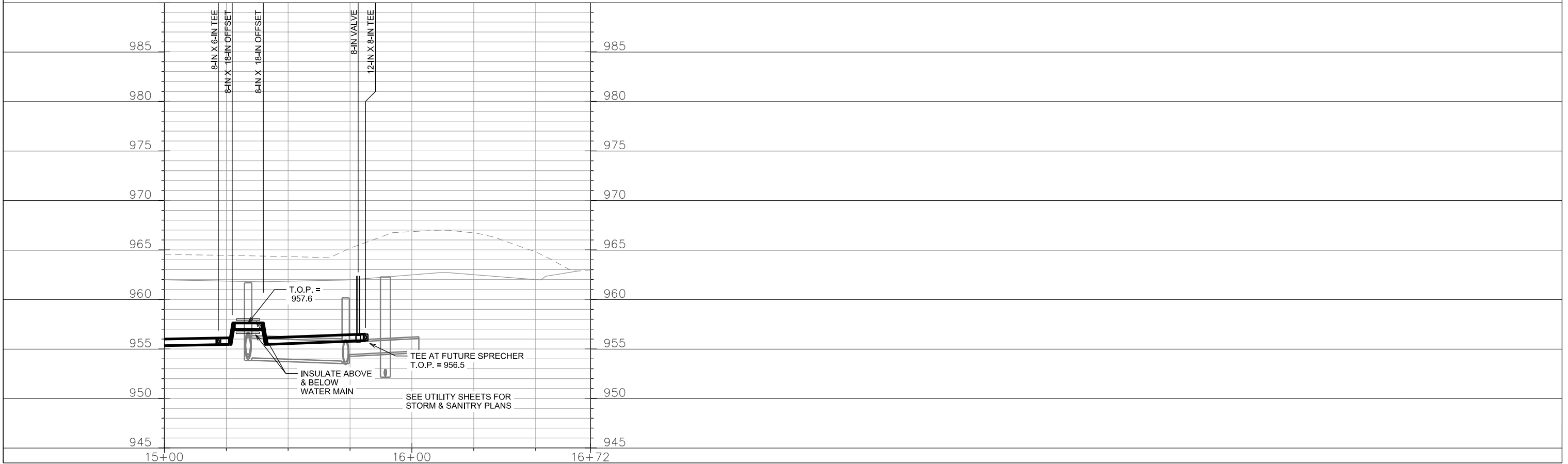
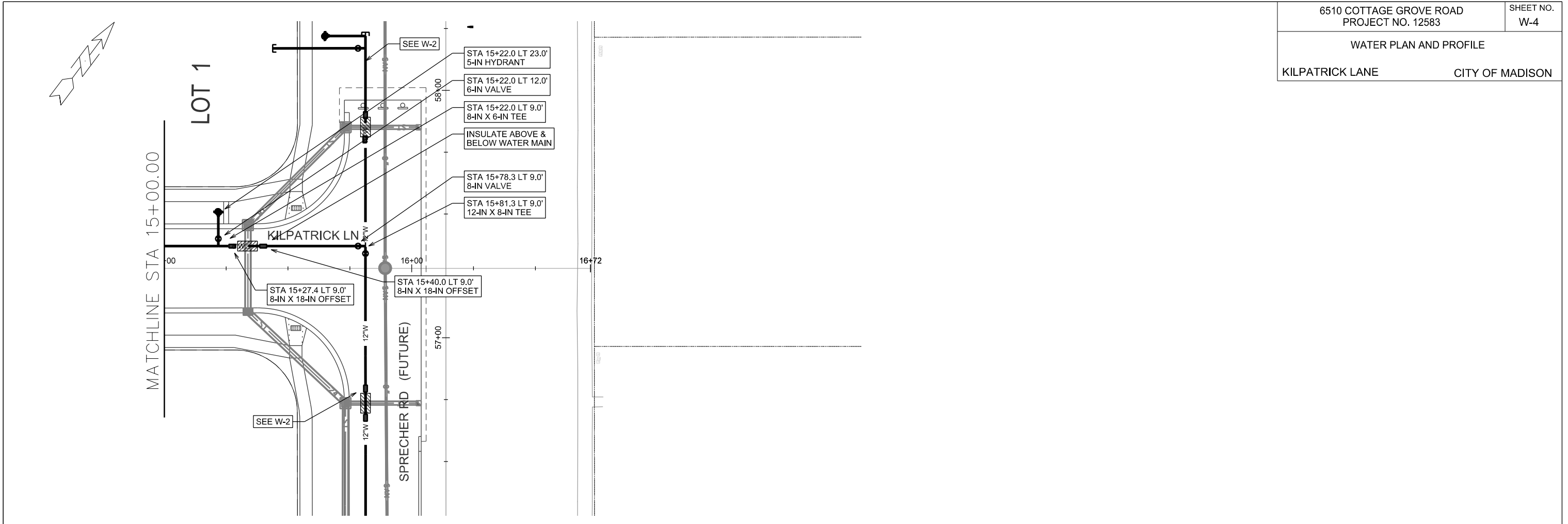
PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE  
KILPATRICK LANE CITY OF MADISON

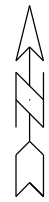


PLOT SCALE: \_\_\_\_\_

PLOT NAME: \_\_\_\_\_

REV. DATE: \_\_\_\_\_

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



S SPRECHER RD

S SPRECHER RD - FUTURE

HERNDON DR

COTTAGE GROVE RD

6402

6525

6501

6510

6420

KILPATRICK LN

1

2

3

O.L. 1

WN21  
W-3

WN20  
W-1

CUT-IN CONNECTION  
FUTURE SPRECHER  
AT COTTAGE GROVE

- ISOLATION VALVES:
- V-1 (12" EXISTING SPRECHER AT CGR)
  - V-7 (12" EXISTING SPRECHER NORTH OF KILPATRICK LN)
  - V-8 (8" KILPATRICK AT EX. SPRECHER)
  - SV-18 (6" 6420 COTTAGE GROVE RD)

NOTIFICATION  
- 6420 COTTAGE GROVE RD

NOTE:  
KILPATRICK LANE  
MAIN IS A DEAD END

CUT-IN CONNECTION  
FUTURE SPRECHER  
AT COTTAGE GROVE

- ISOLATION VALVES:
- V-5 (12" FUTURE SPRECHER AT CGR)
  - V-2 (12" EXISTING SPRECHER AT CGR)

NOTIFICATION  
- NONE REQ'D

V-7

V-8

V-1

V-2

SV-18

V-5

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.*

- |                          |                                   |
|--------------------------|-----------------------------------|
| 140-FT - 6-IN PIPE       | 3 - 8-IN 22-1/2° BEND             |
| 540-FT - 8-IN PIPE       | 1 - 8-IN 11-1/4° BEND             |
| 730-FT - 12-IN PIPE      |                                   |
| 4 - 6-IN VALVE & BOX     | 2 - 6-IN MJ CAP                   |
| 3 - 8-IN VALVE & BOX     | 1 - 8-IN MJ CAP                   |
| 2 - 12-IN VALVE & BOX    | 1 - 12-IN MJ PLUG                 |
| 1 - 8-IN X 6-IN TEE      | 3 - 5-IN HYDRANT                  |
| 1 - 8-IN X 8-IN TEE      | 96-FT - 2-IN STYROFOAM INSULATION |
| 4 - 12-IN X 6-IN TEE     | 1620-FT - POLY WRAP               |
| 2 - 12-IN X 8-IN TEE     | 1-IN TO 2-IN COPPER (AS REQ'D)    |
| 1 - 12-IN X 12-IN TEE    |                                   |
| 2 - 8-IN X 18-IN OFFSET  |                                   |
| 6 - 12-IN X 18-IN OFFSET |                                   |

TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

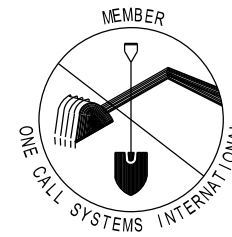
CALL DIGGERS HOTLINE  
TOLL FREE

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.

**MATERIALS SUPPLIED BY CITY:**

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

NONE

**ESTIMATE OF MATERIALS REUSED:**

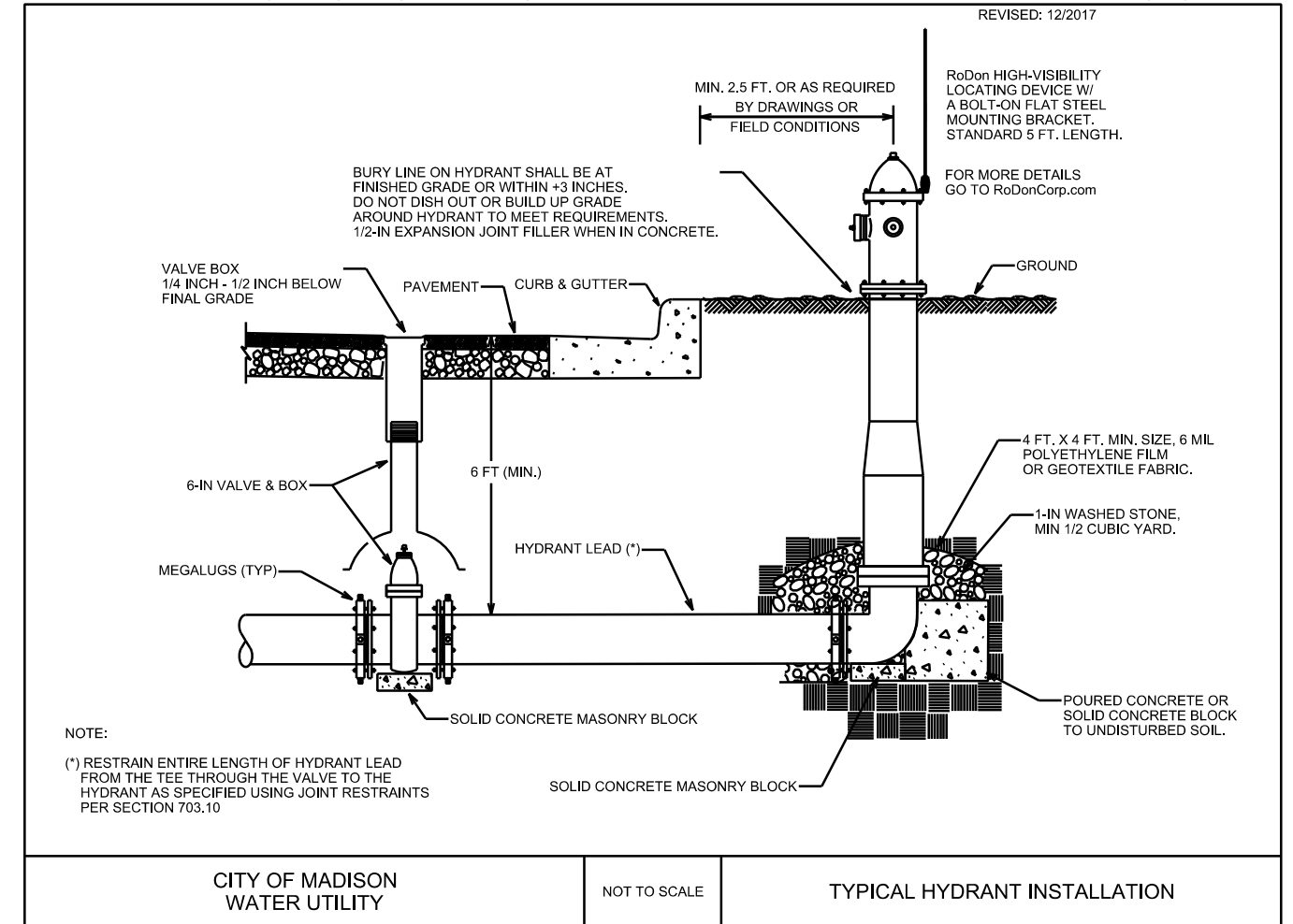
*\* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

NONE

**PART VII - WATER MAINS AND SERVICE LATERALS**

**DETAIL DRAWING NO. 7.04**

REVISED: 12/2017



CITY OF MADISON  
WATER UTILITY

NOT TO SCALE

TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction



CROSS SECTIONS

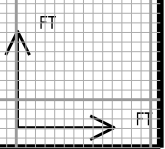
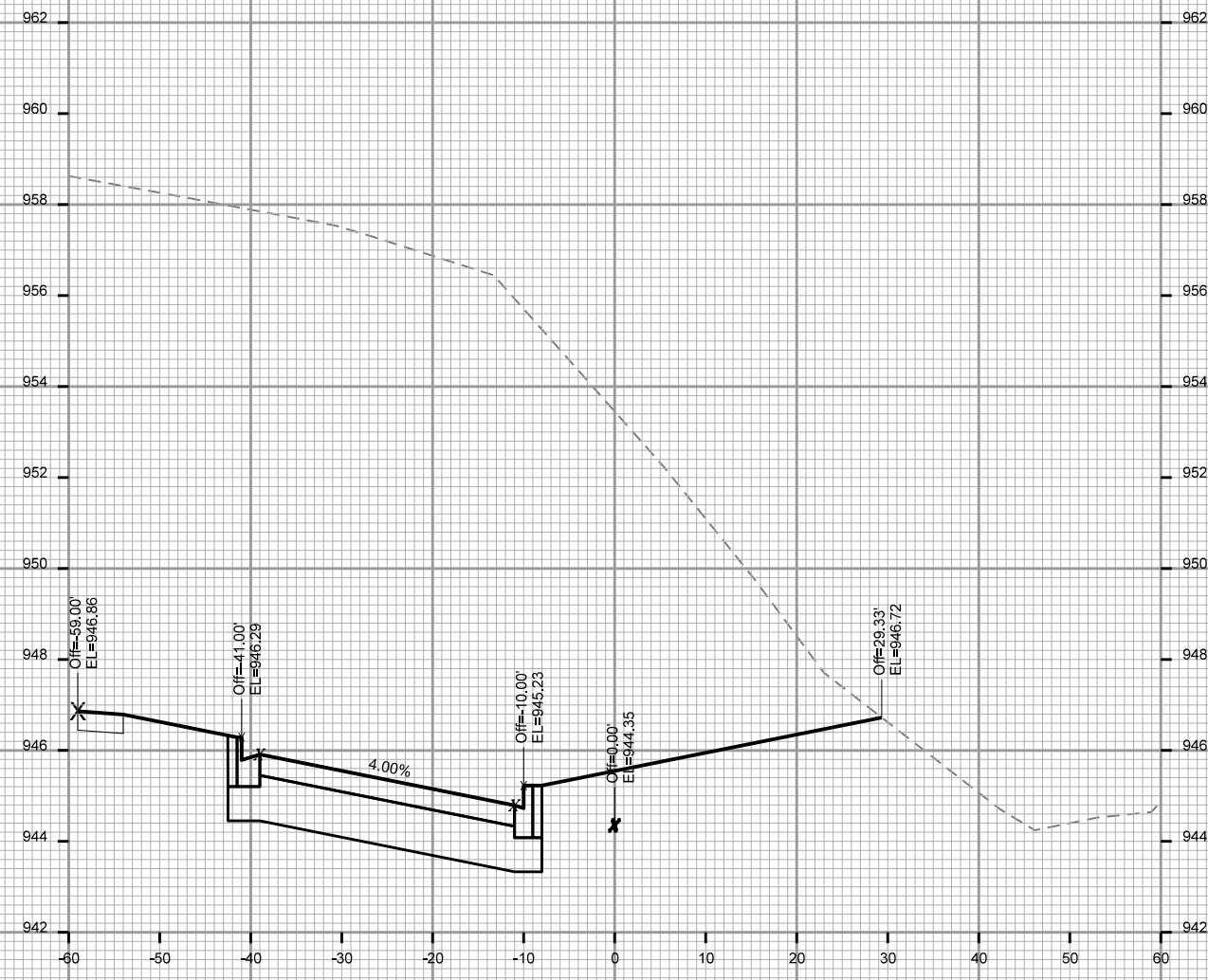
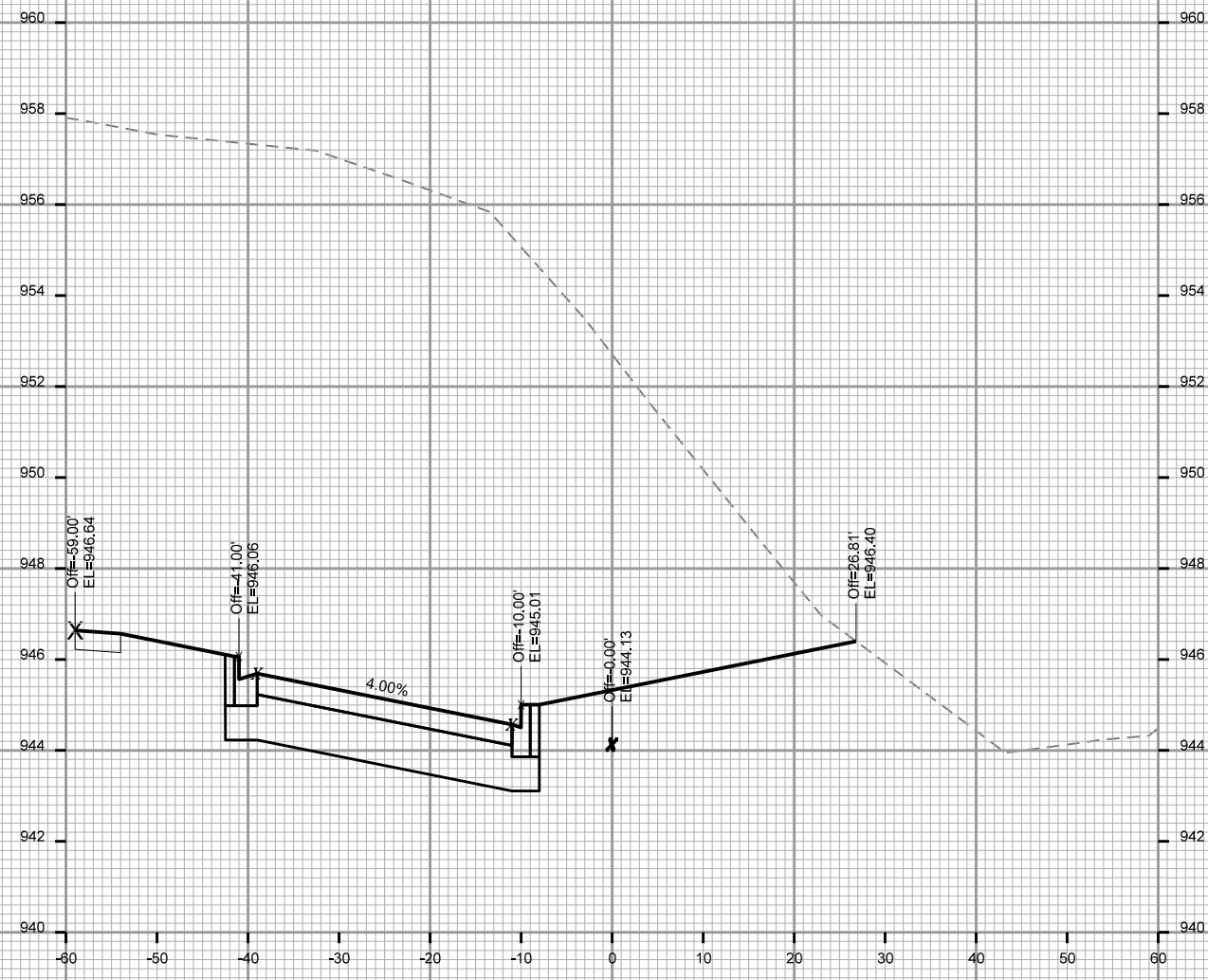
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PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

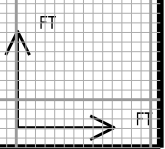
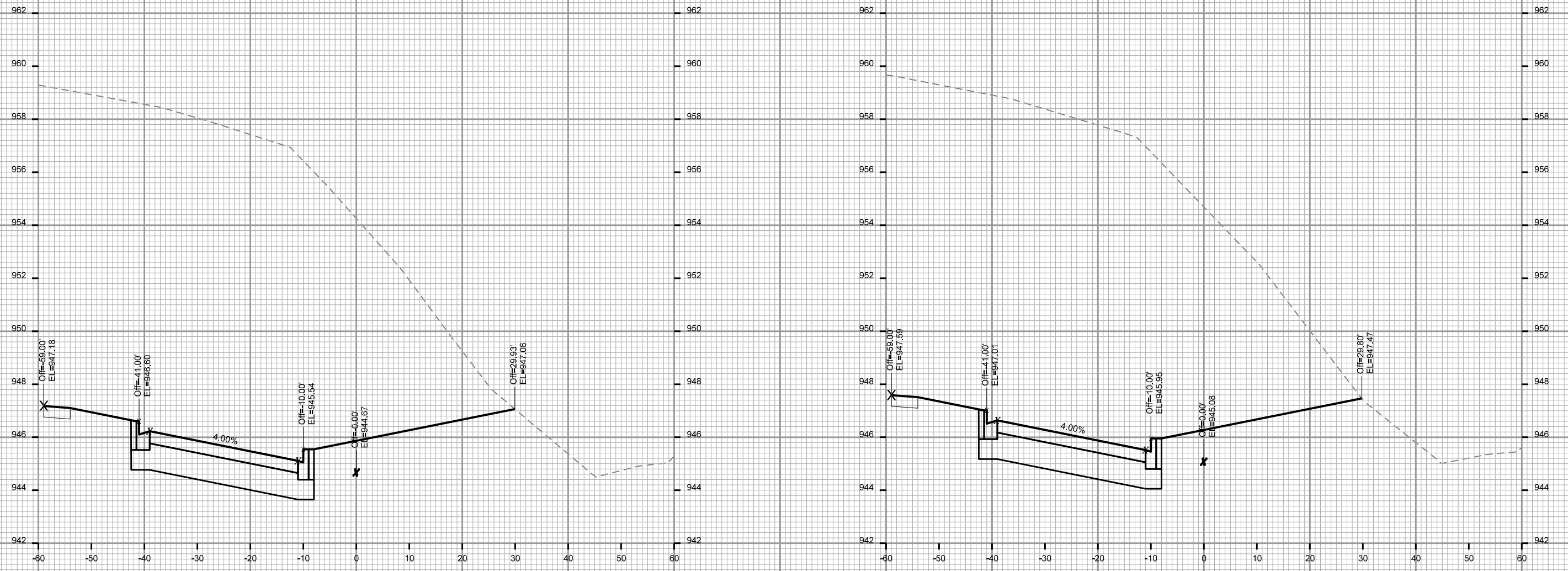
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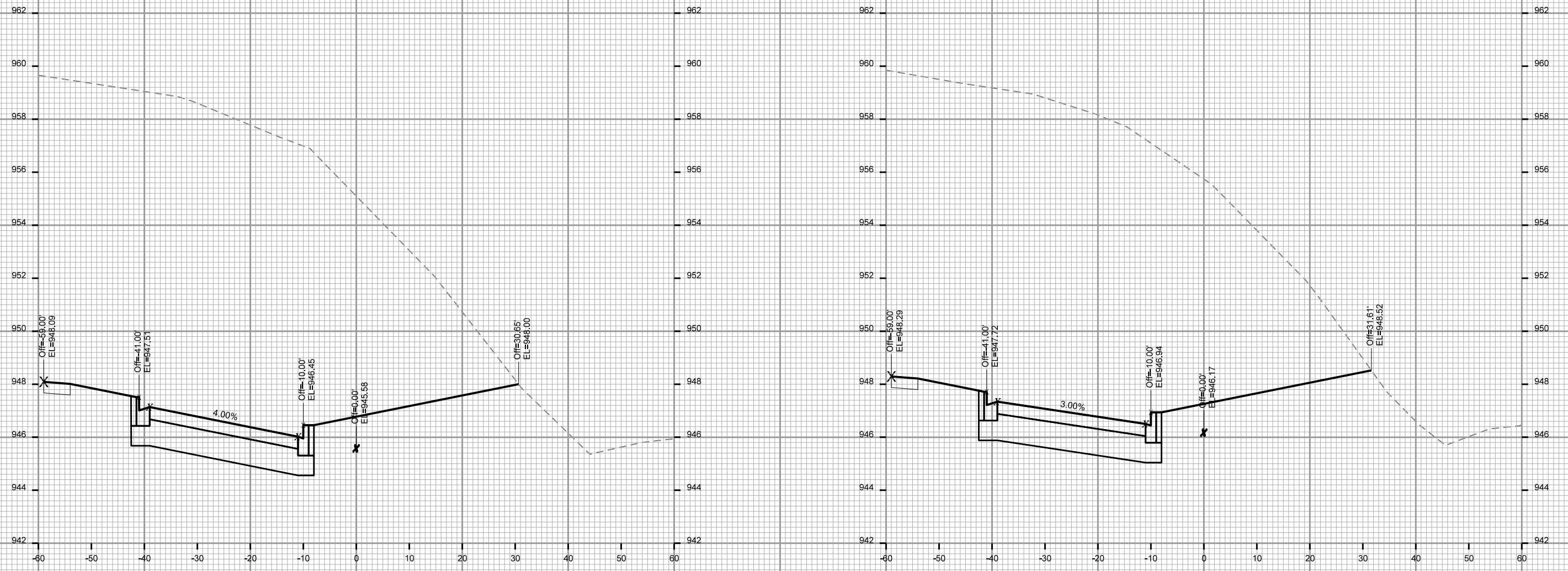
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STA. 52+75

STA. 53+00

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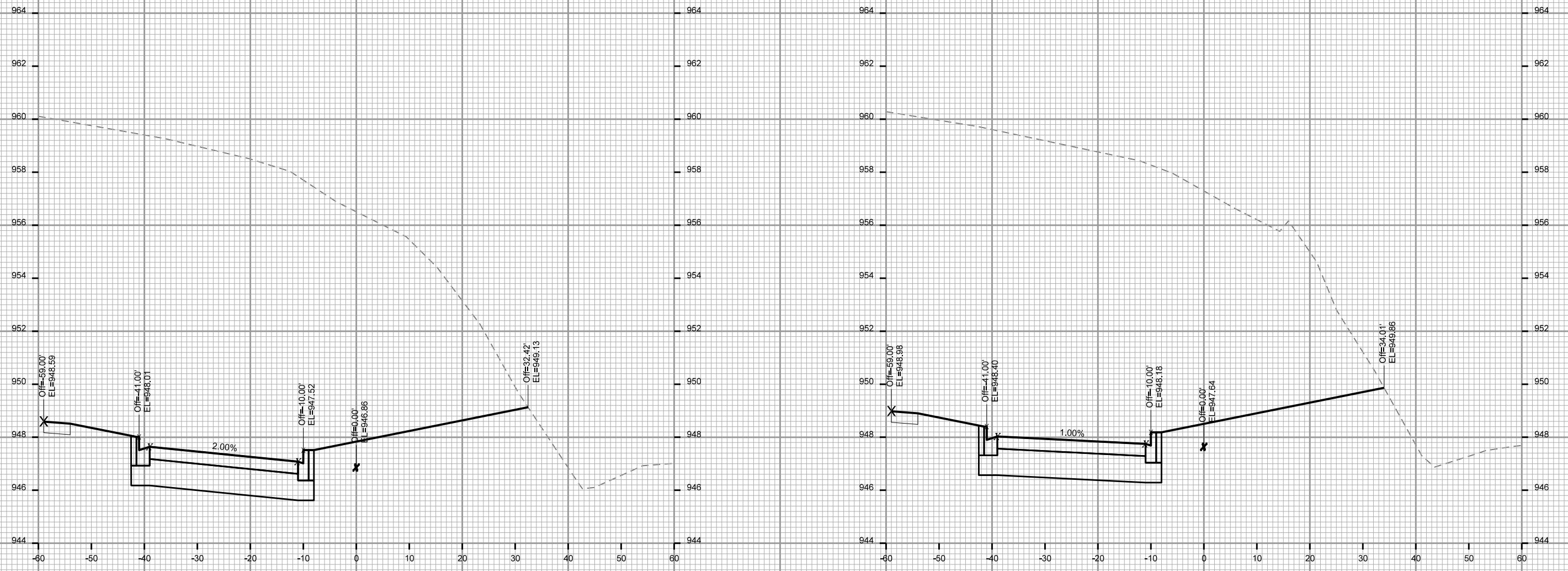
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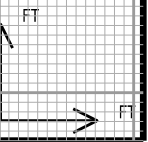
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 53+25

STA. 53+50



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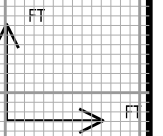
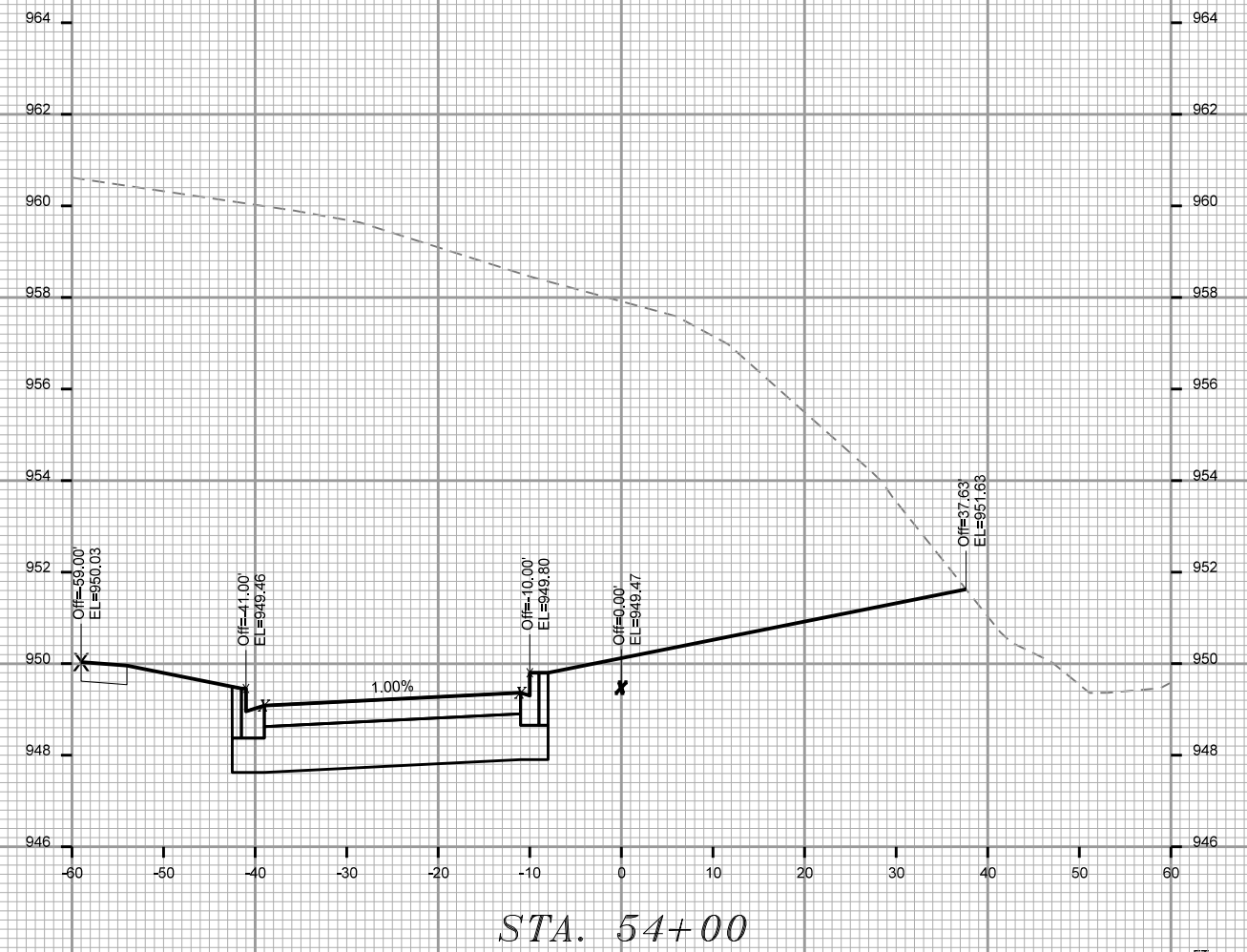
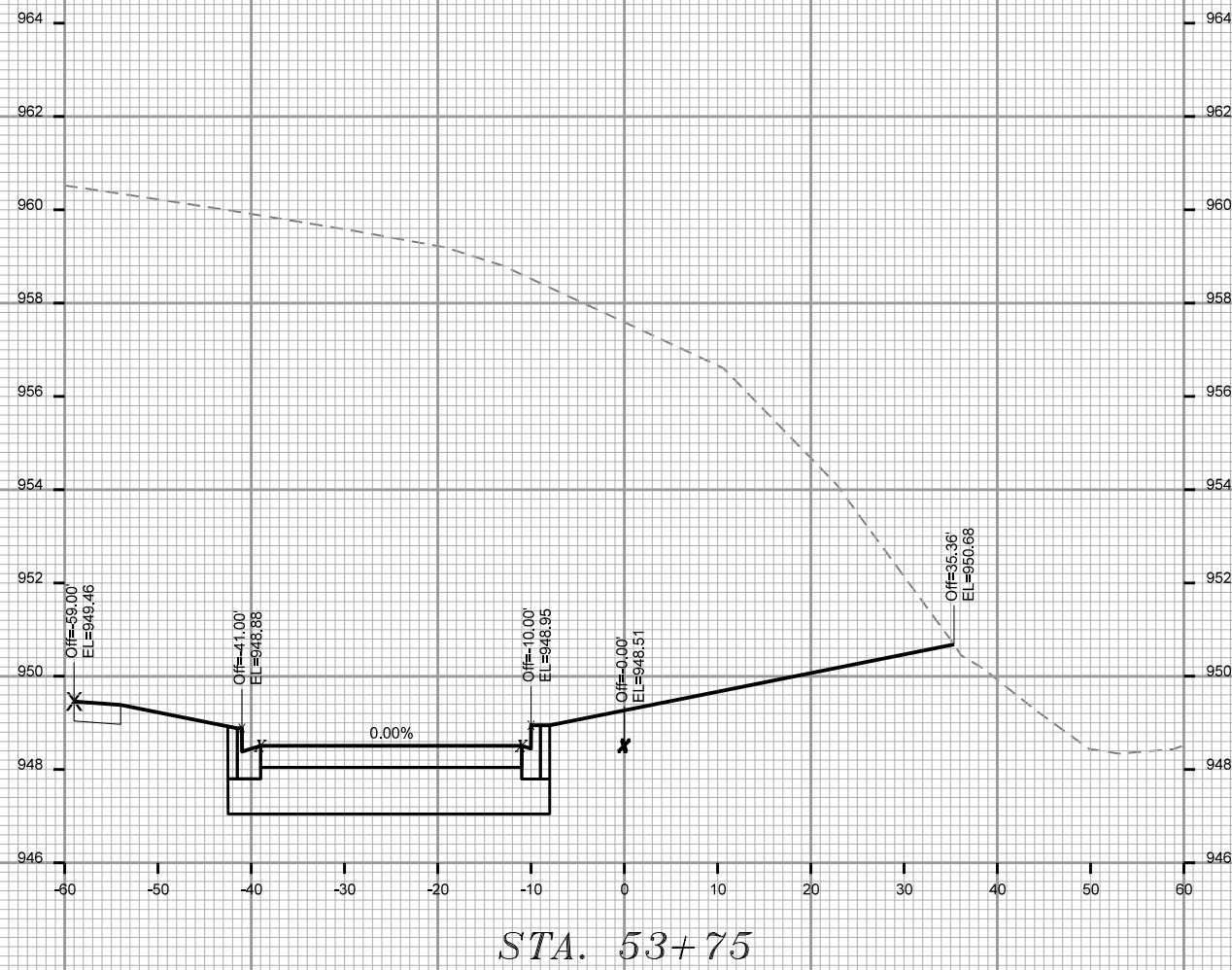
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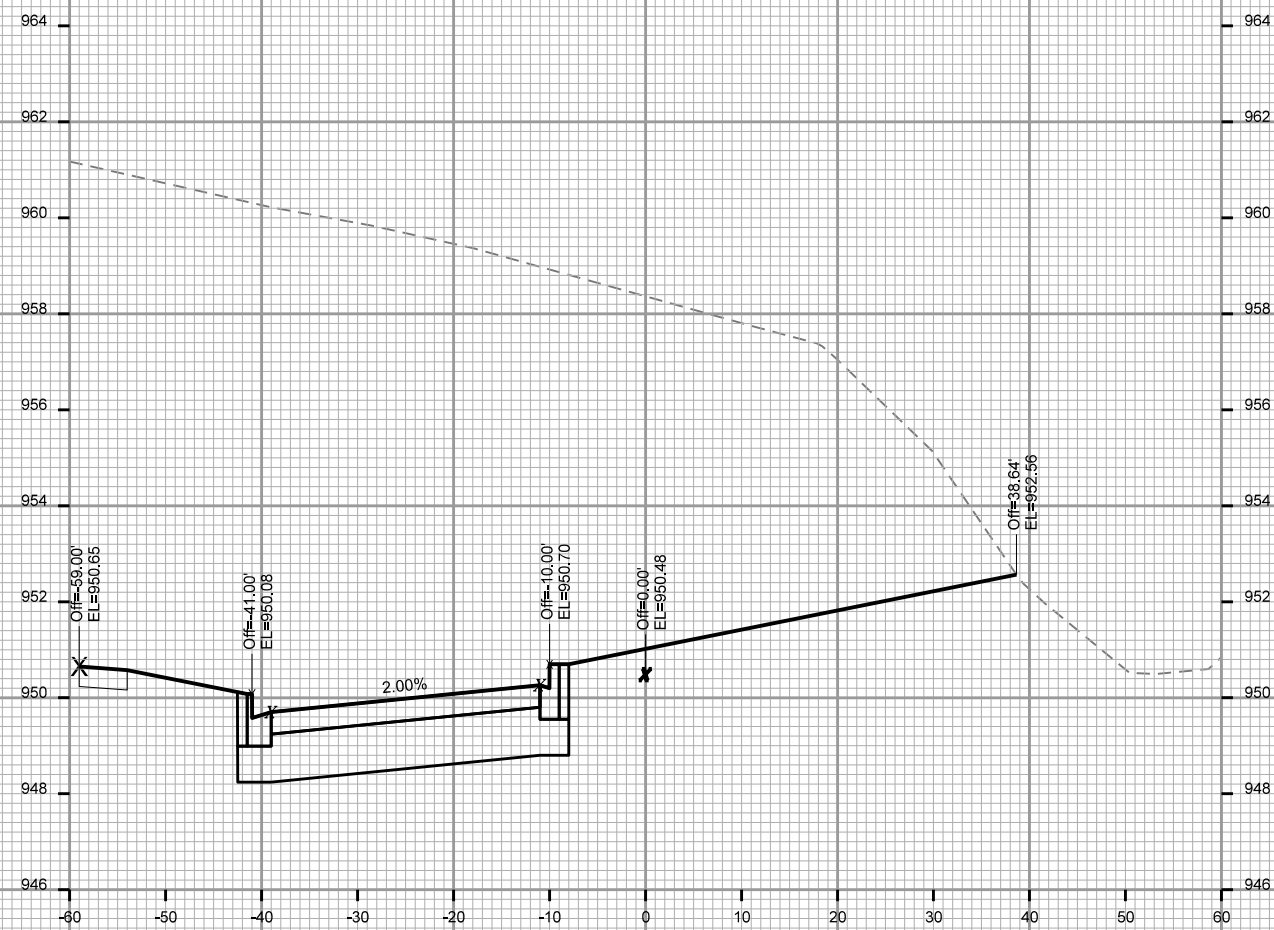
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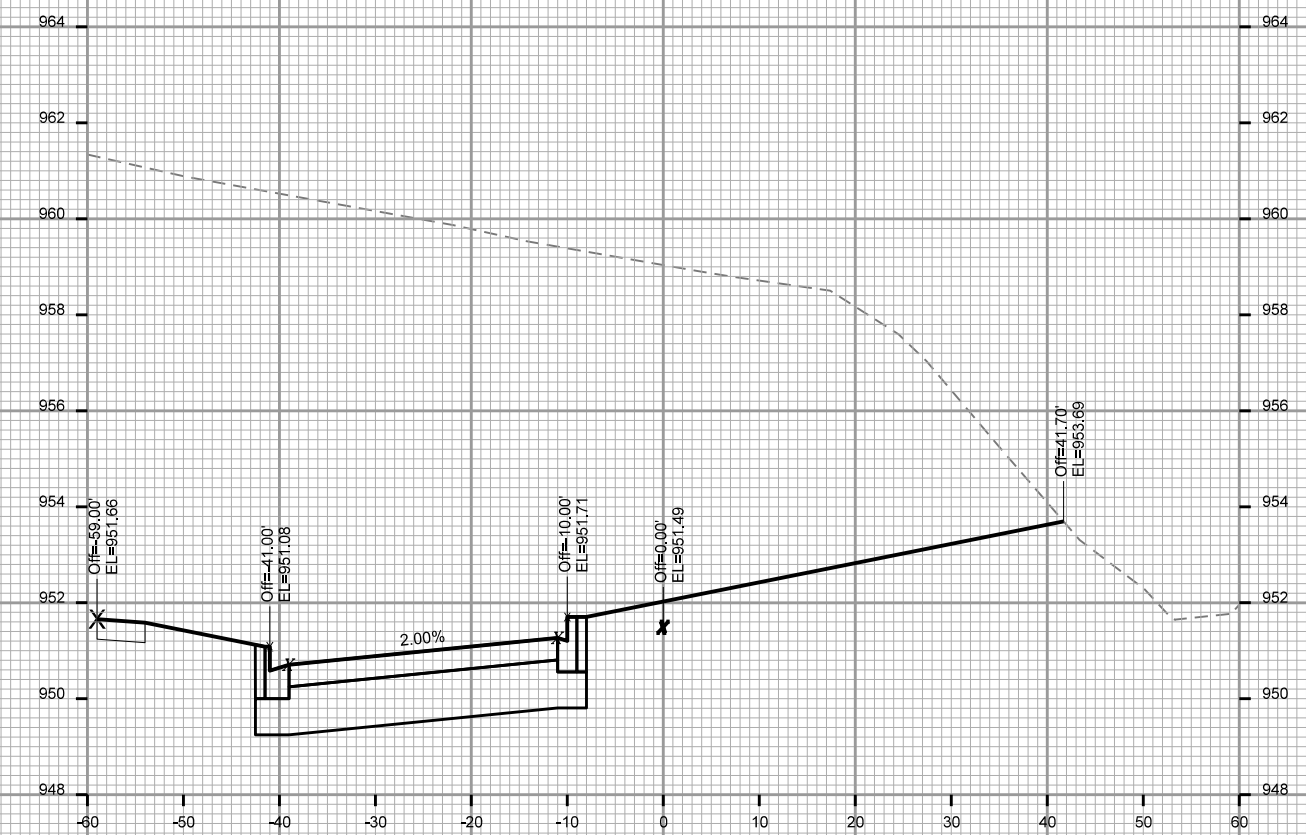
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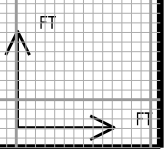
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 54+25



STA. 54+50



CROSS SECTIONS

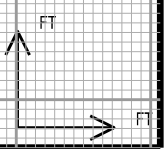
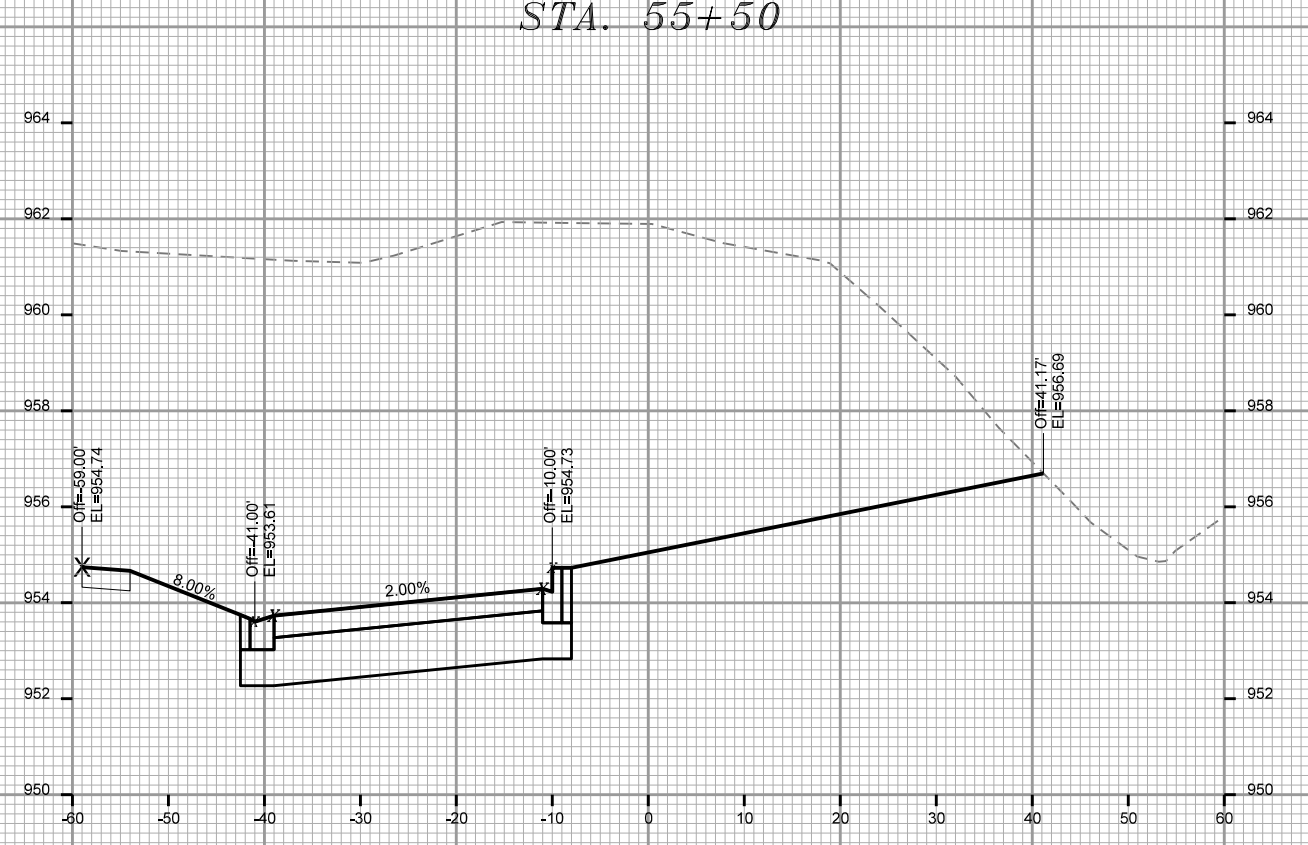
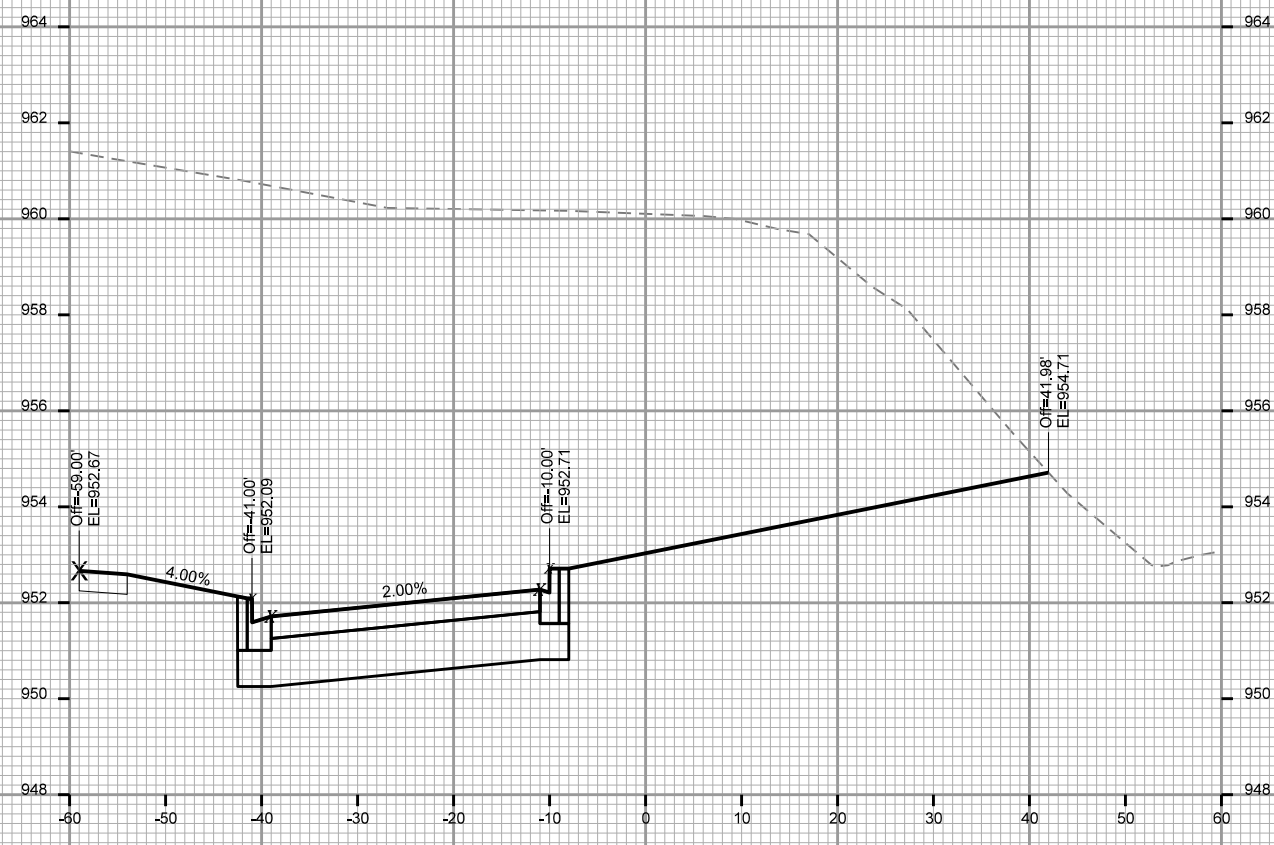
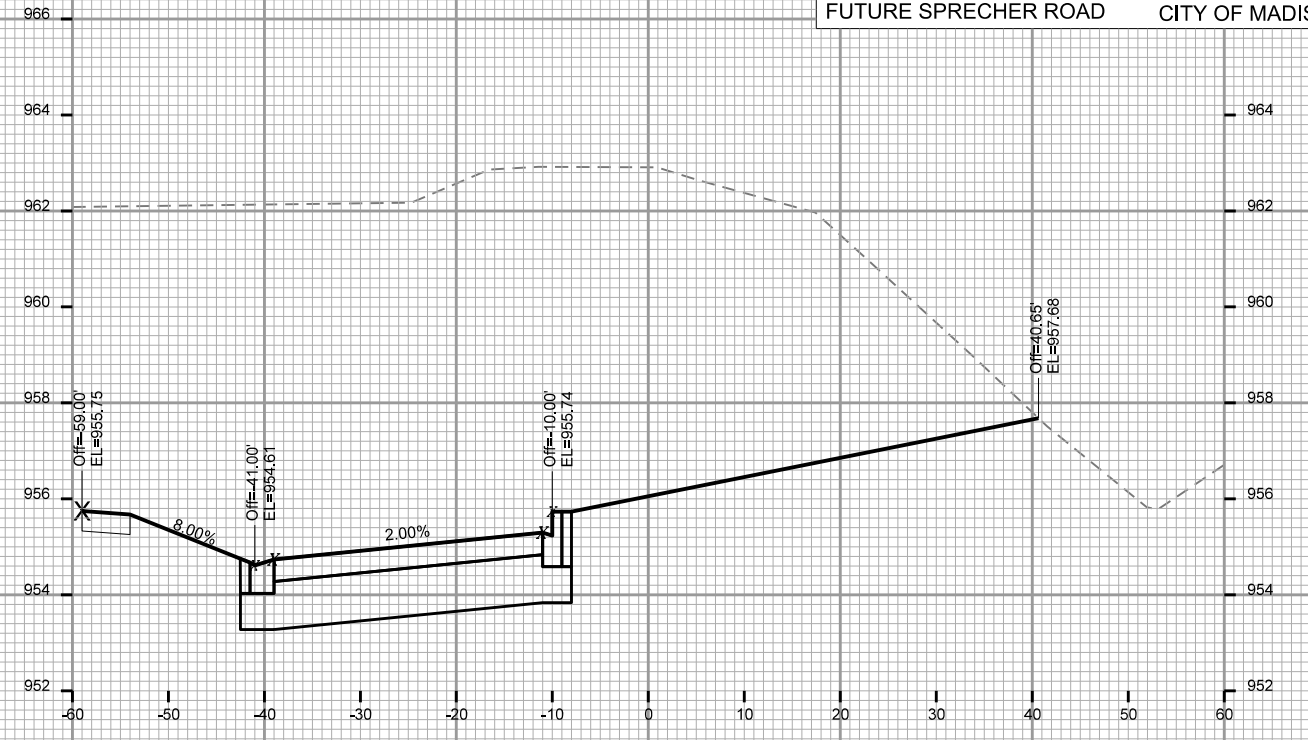
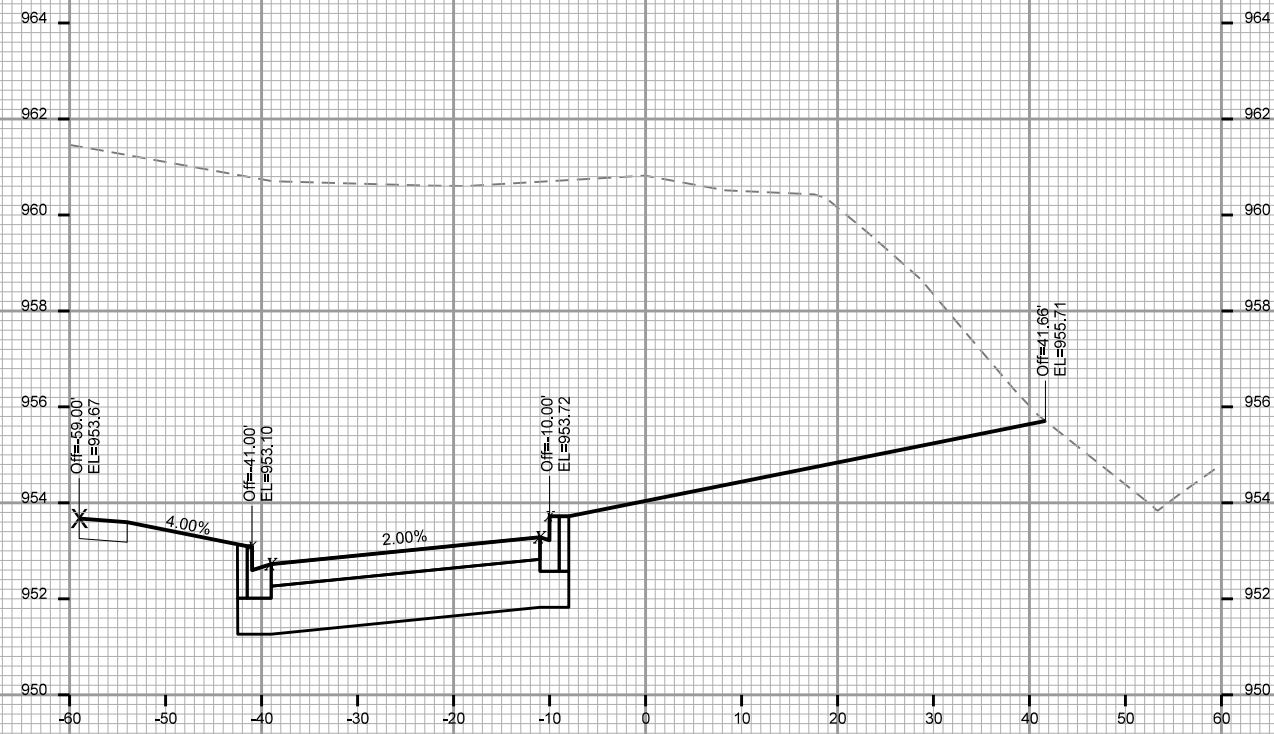
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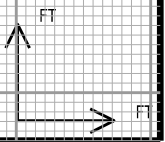
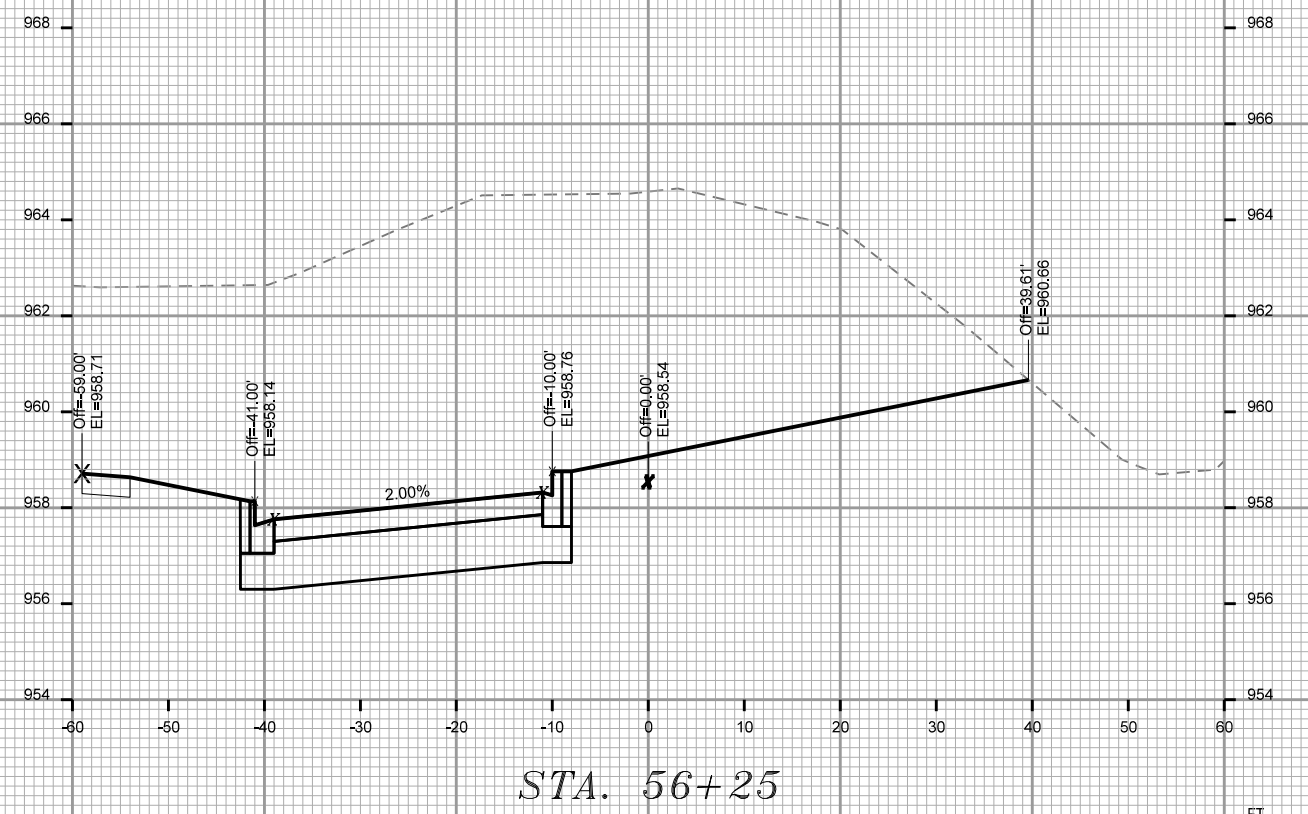
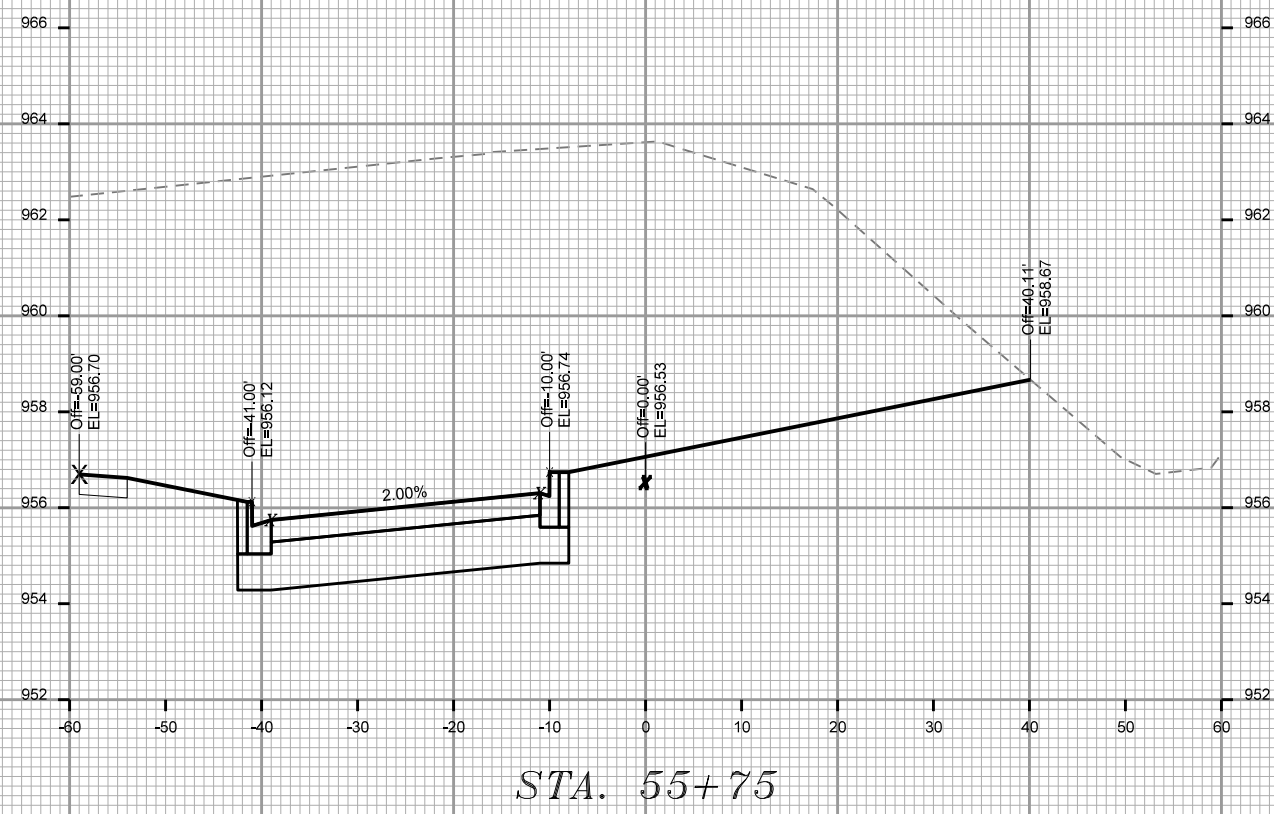
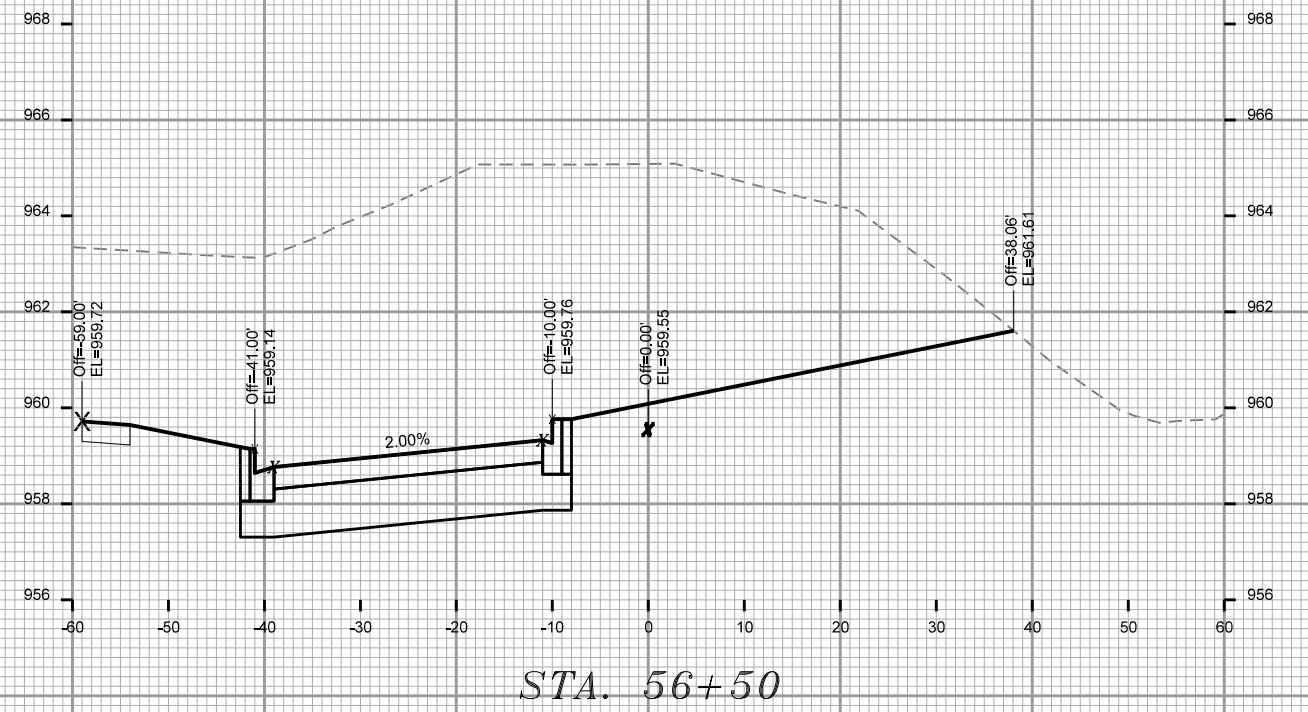
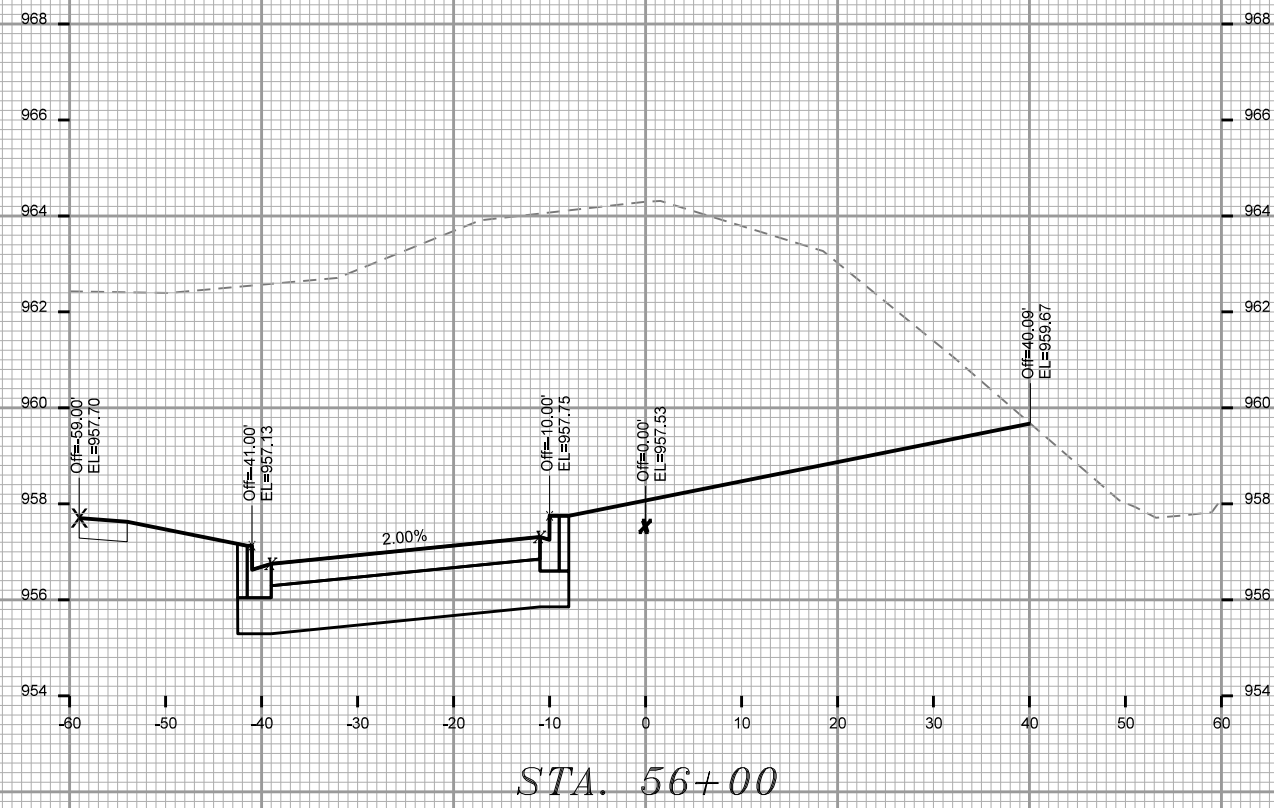
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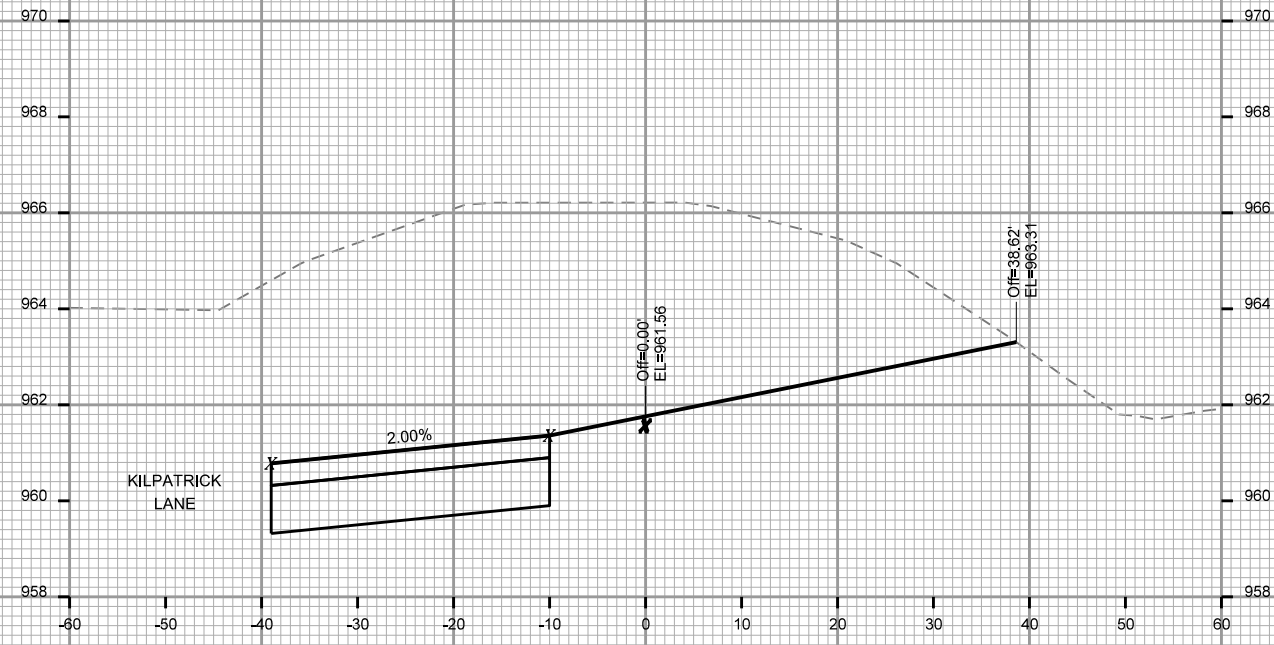
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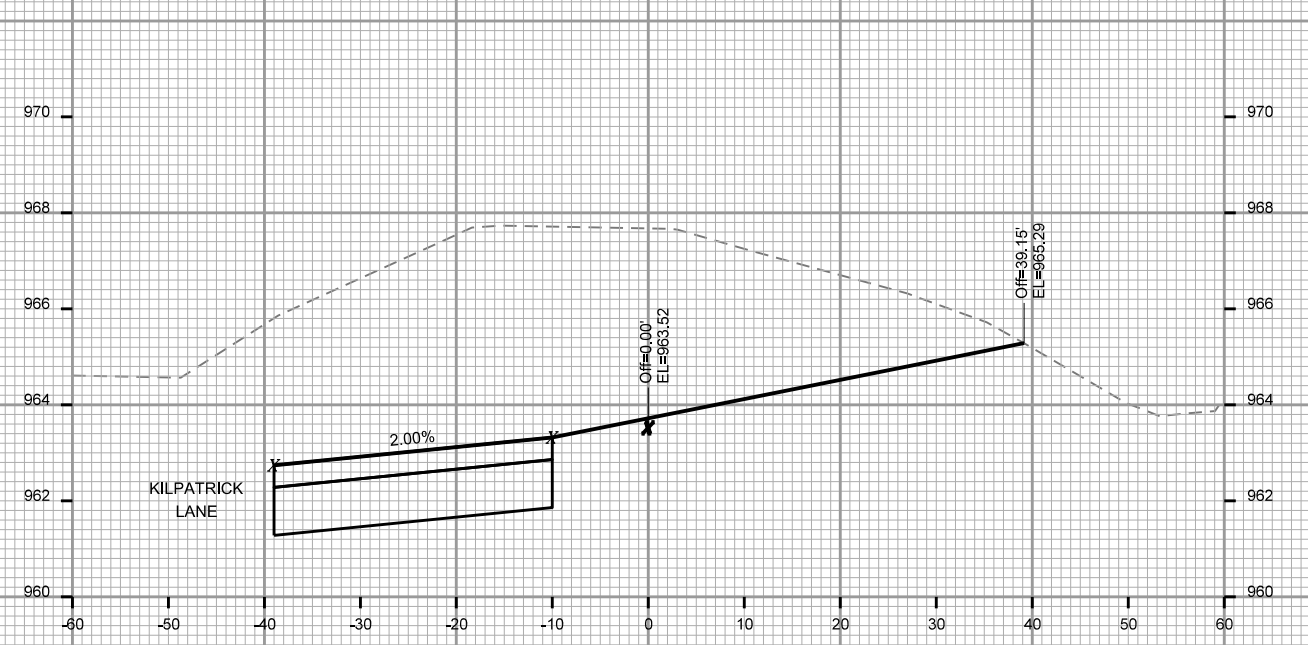
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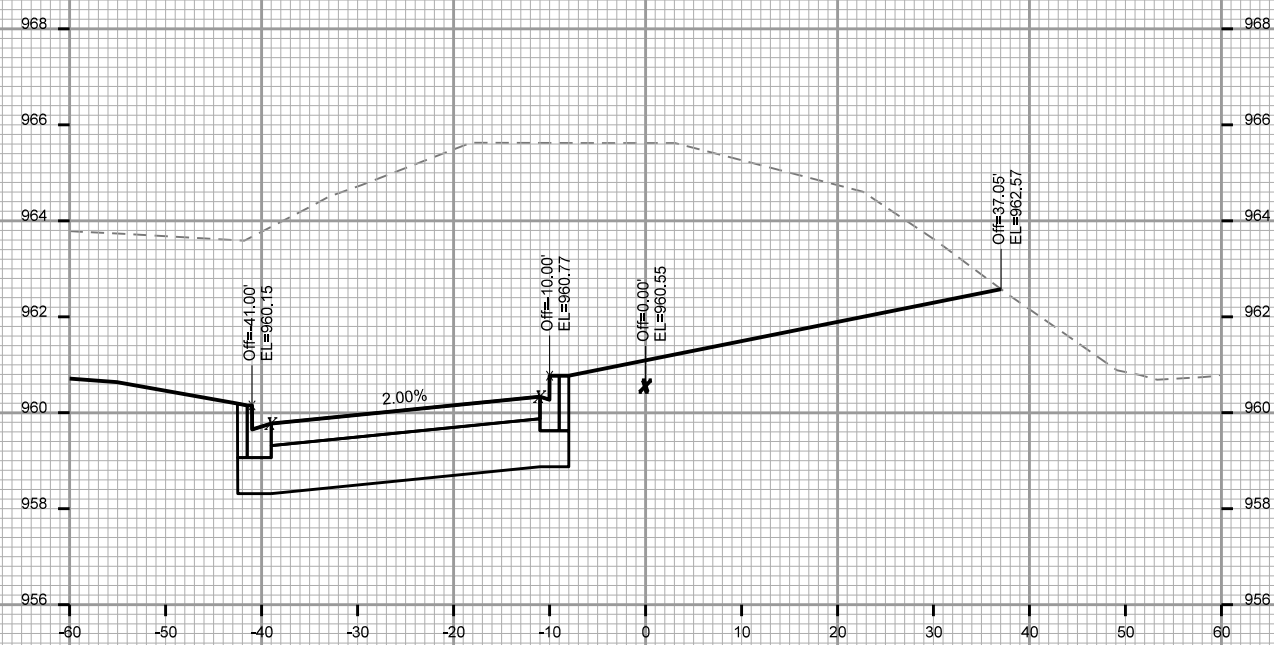
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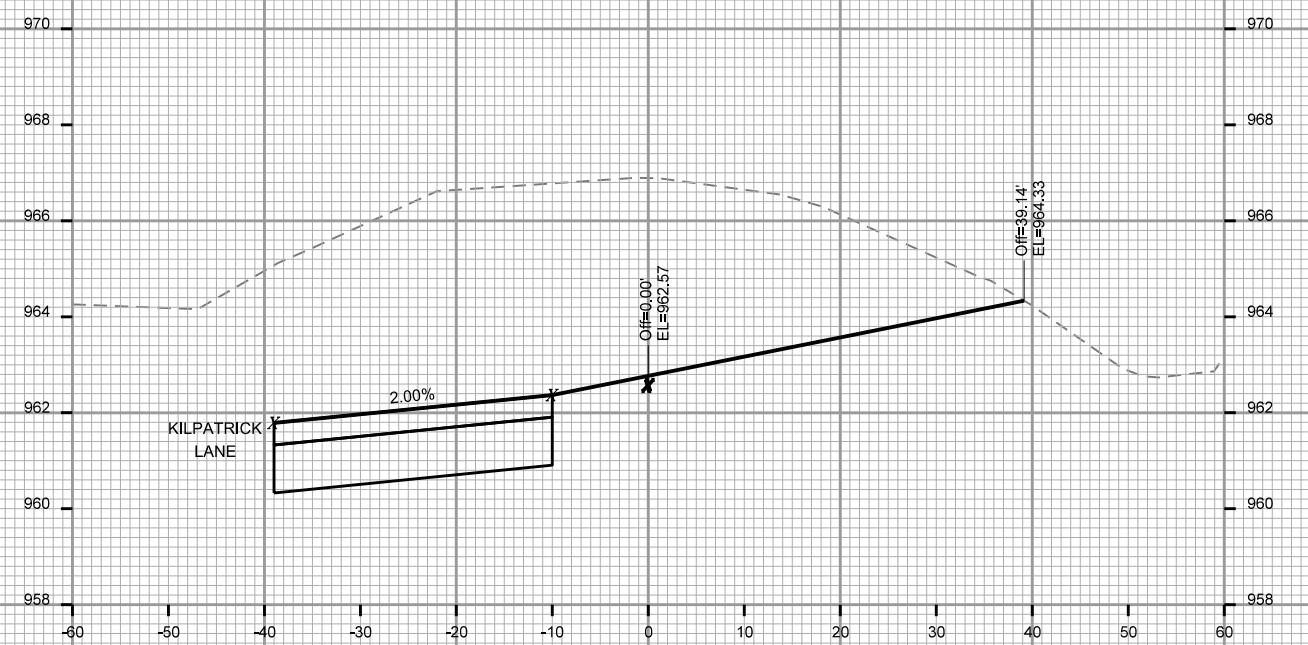
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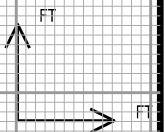
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STA. 56+75



STA. 57+25



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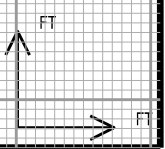
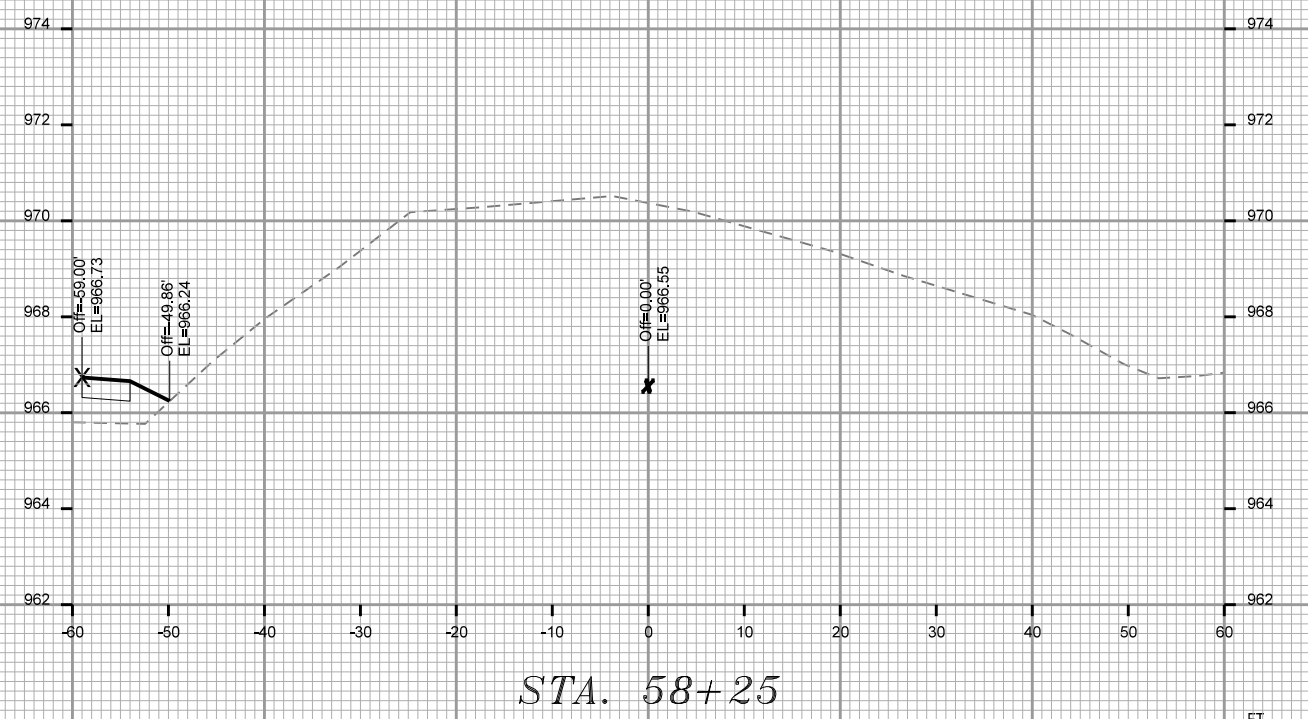
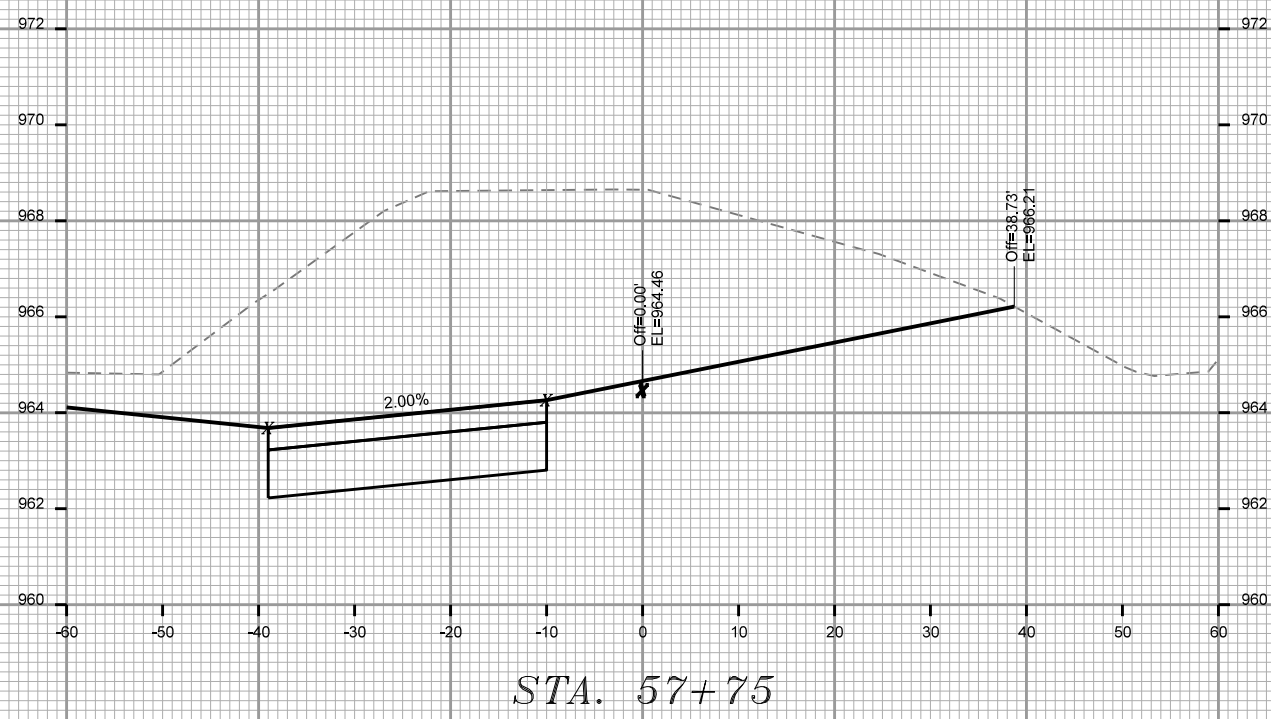
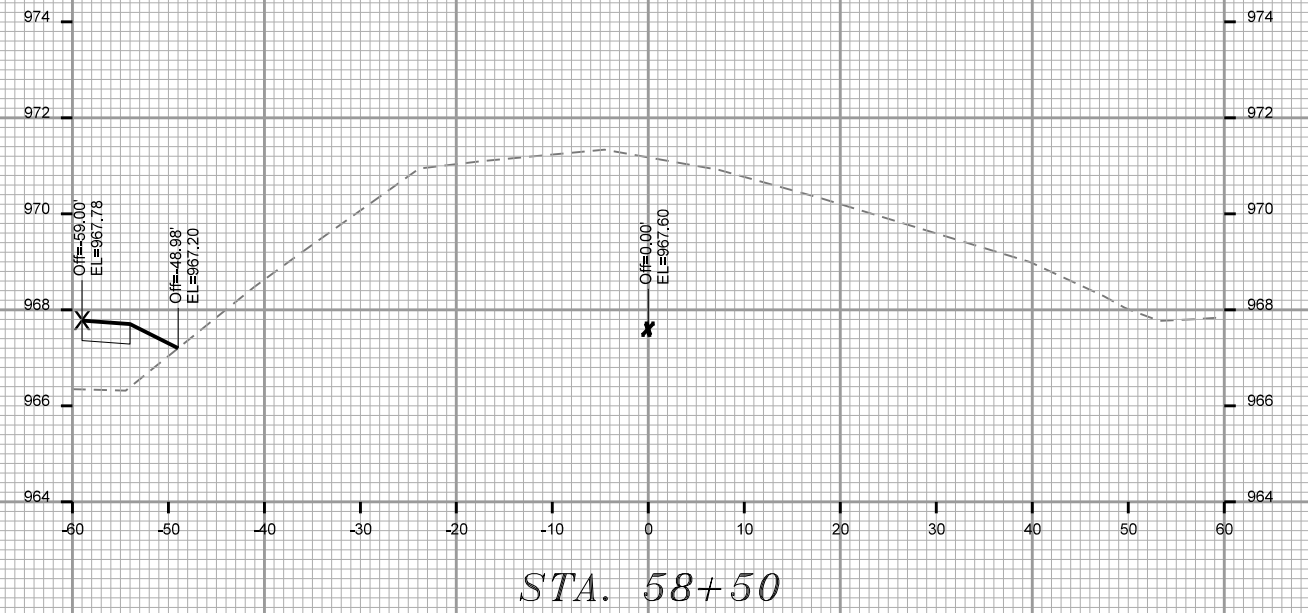
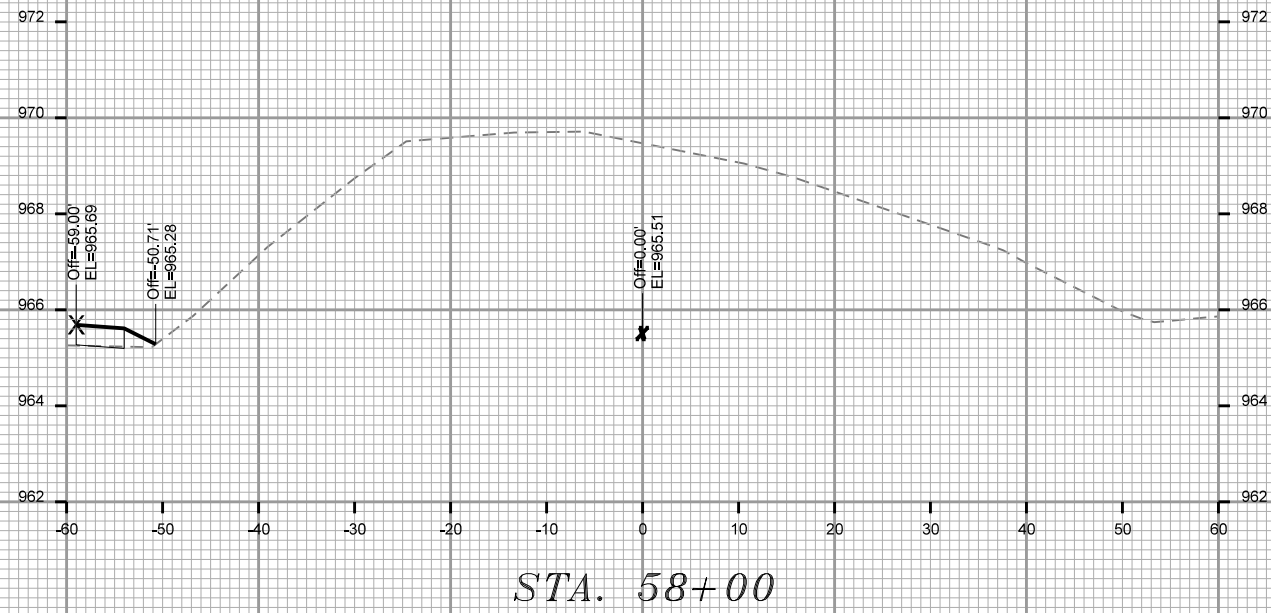
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PLOT SCALE:

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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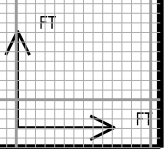
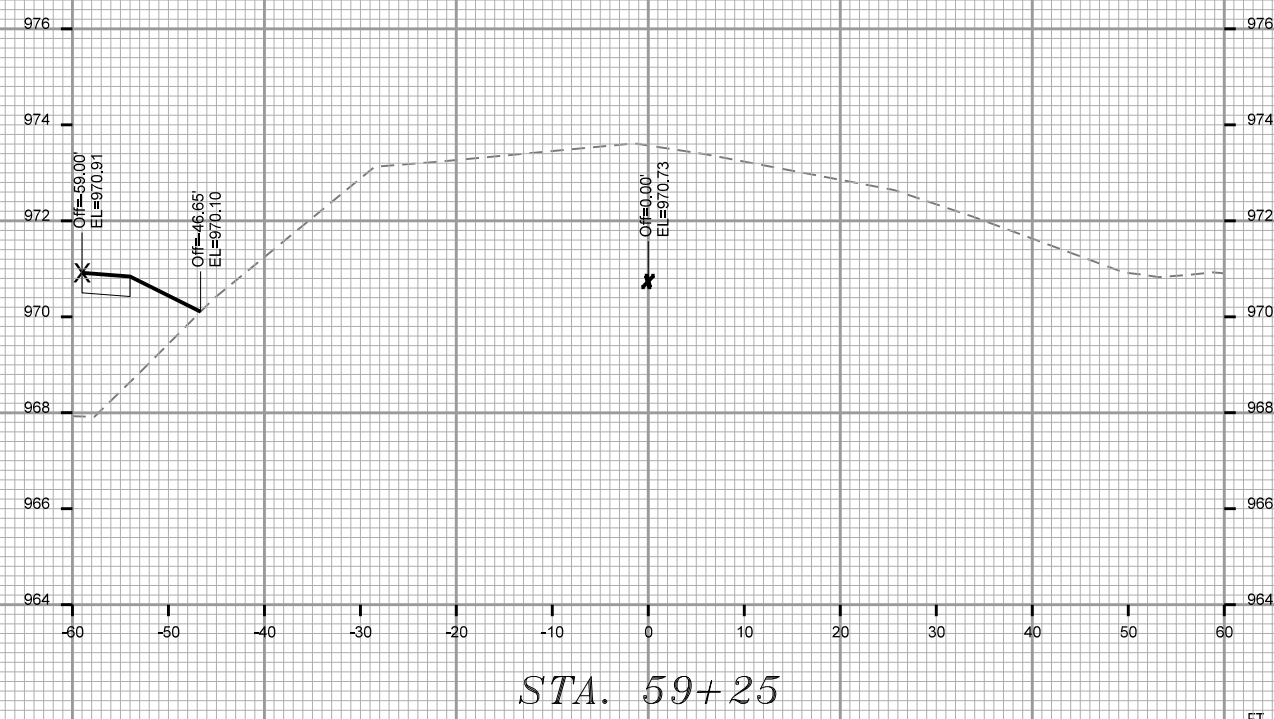
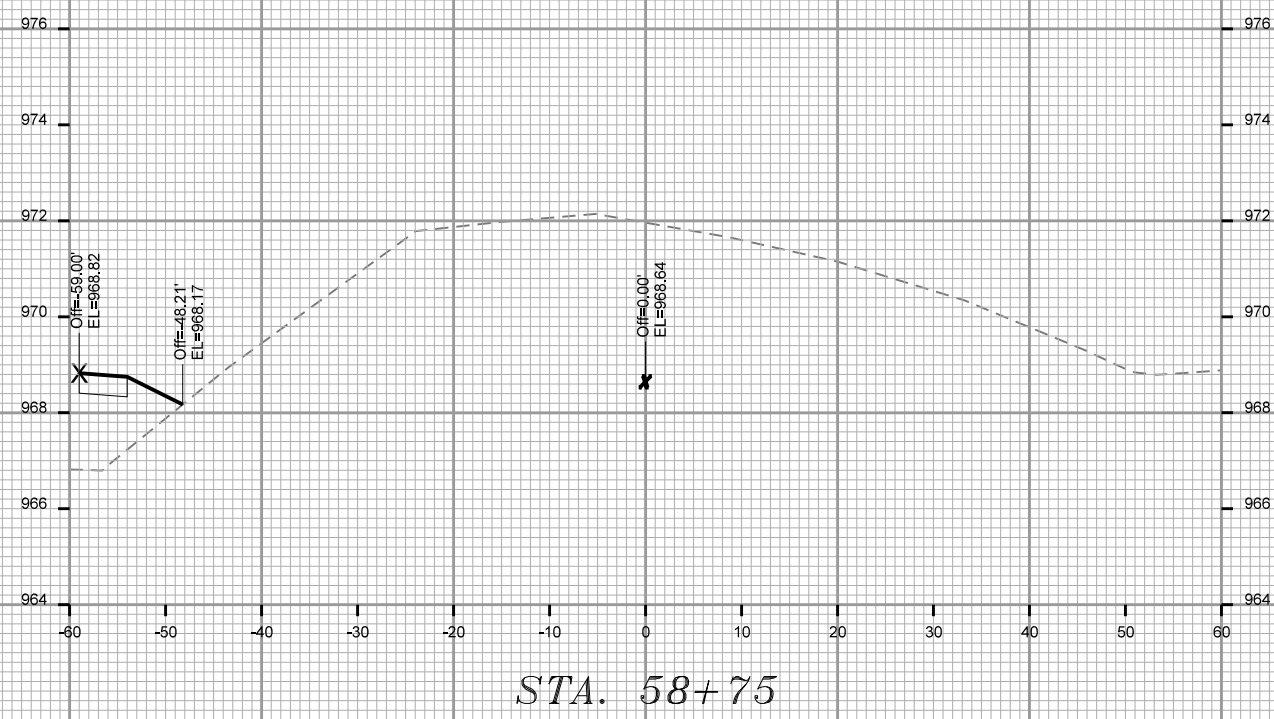
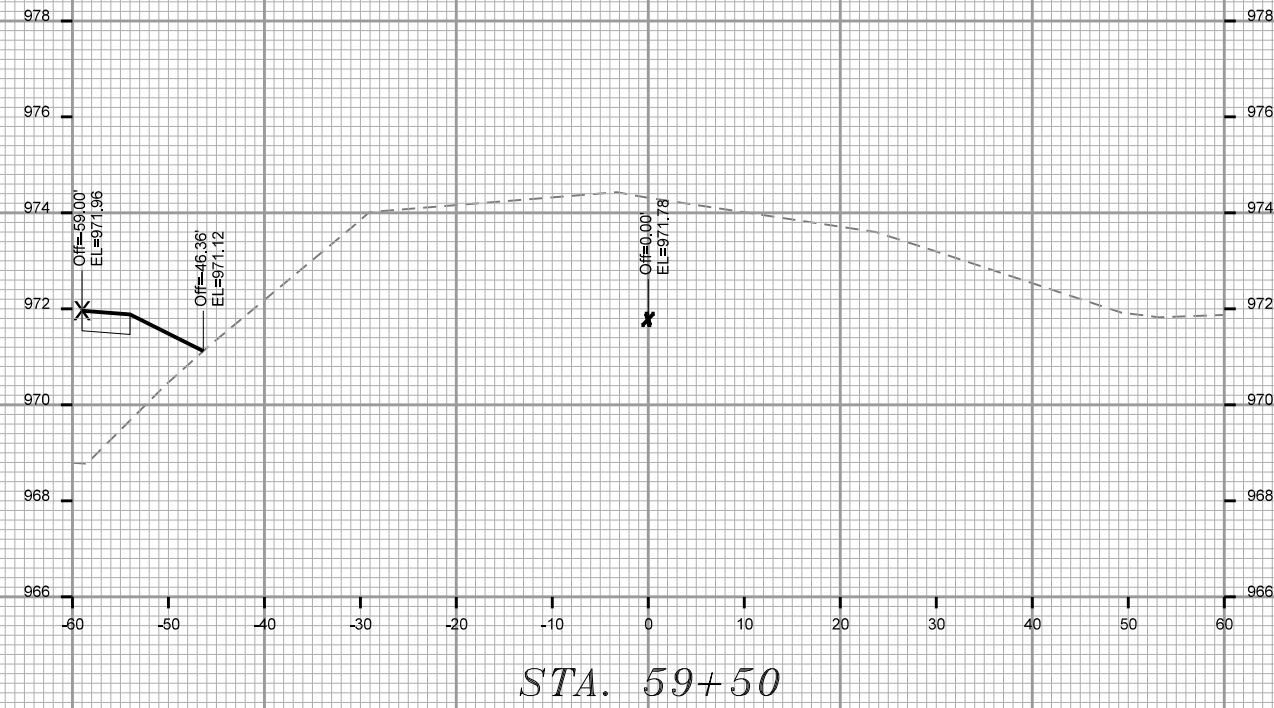
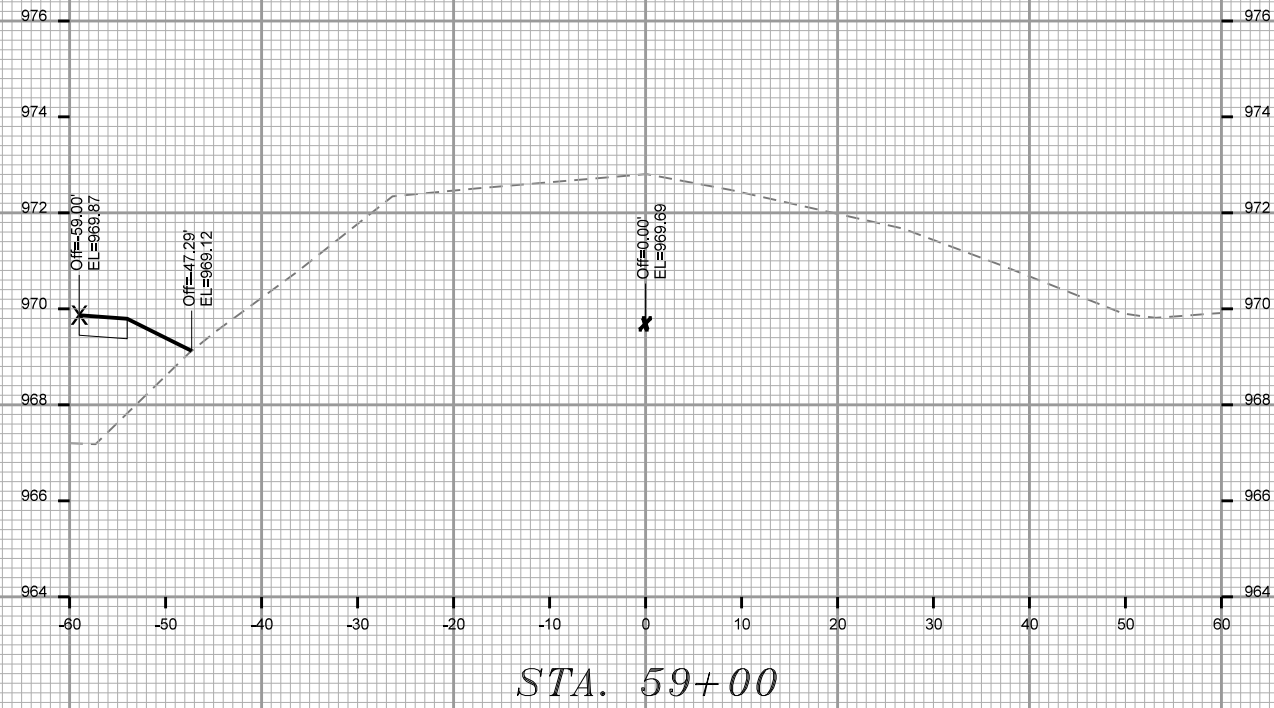
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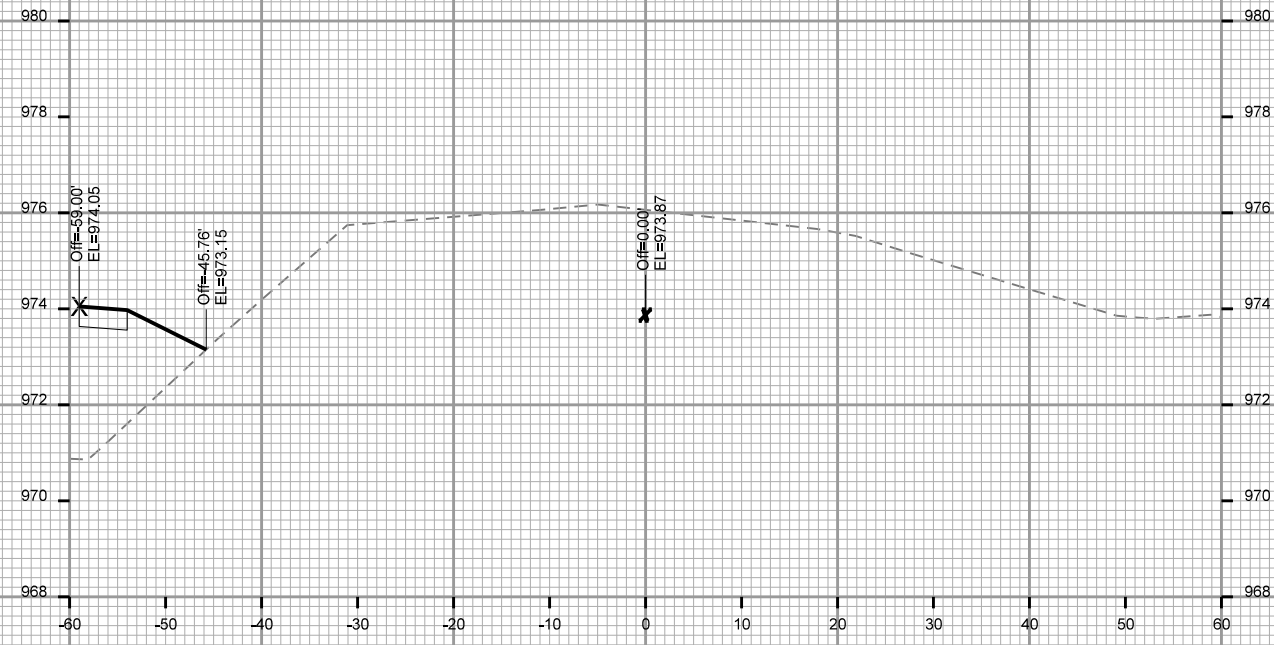
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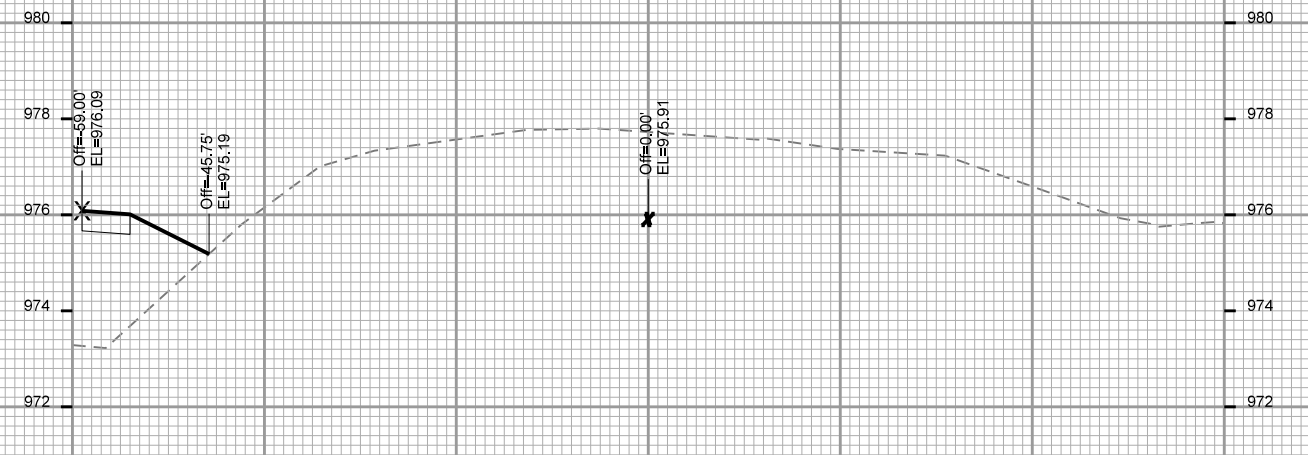
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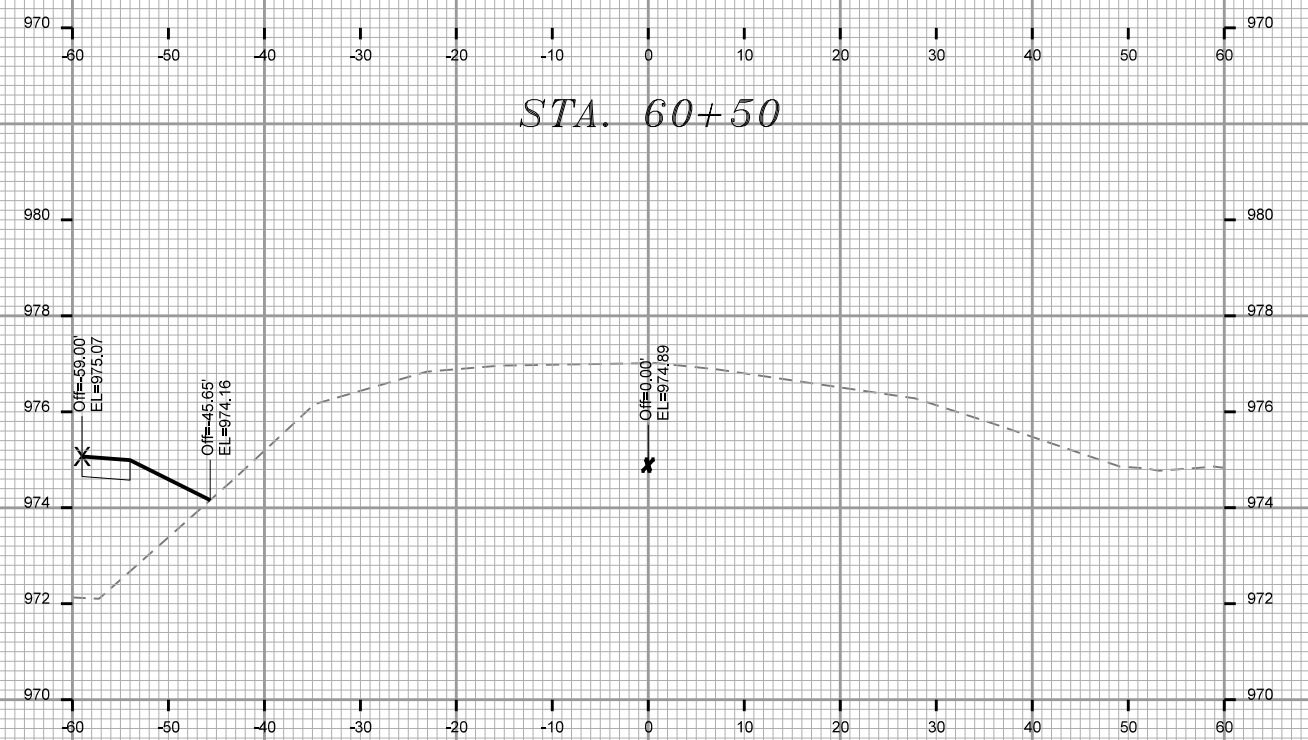
STA. 60+00



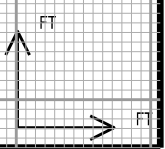
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STA. 59+75



STA. 60+25



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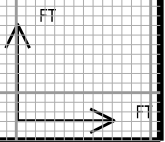
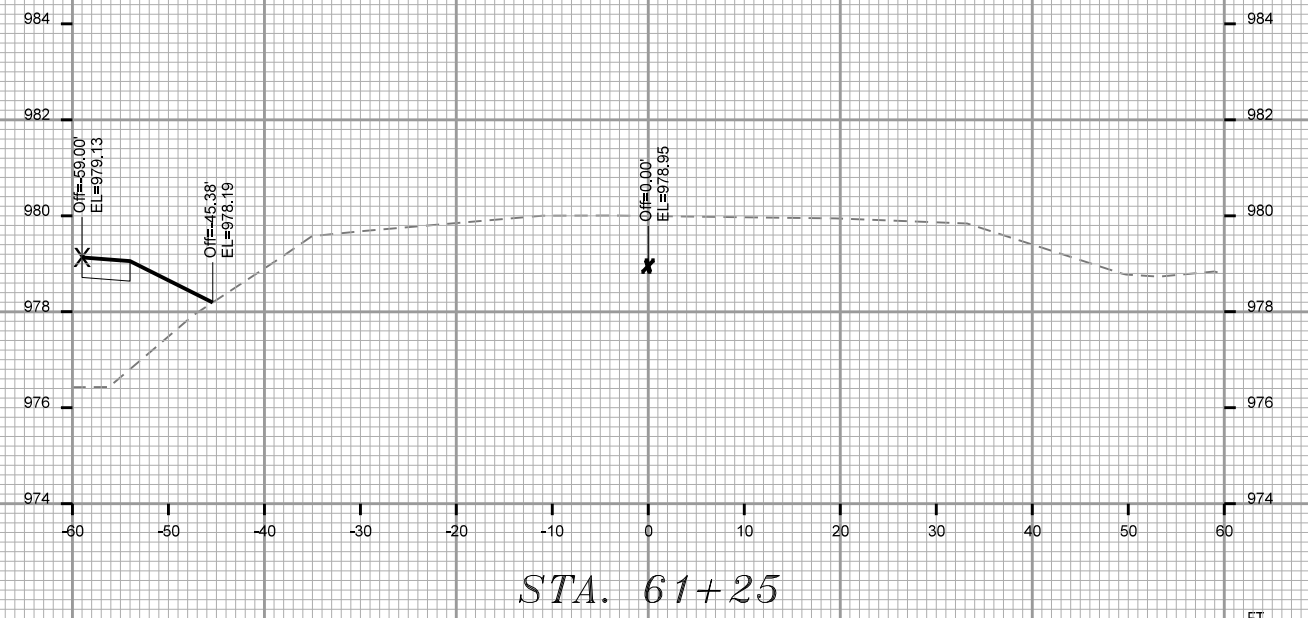
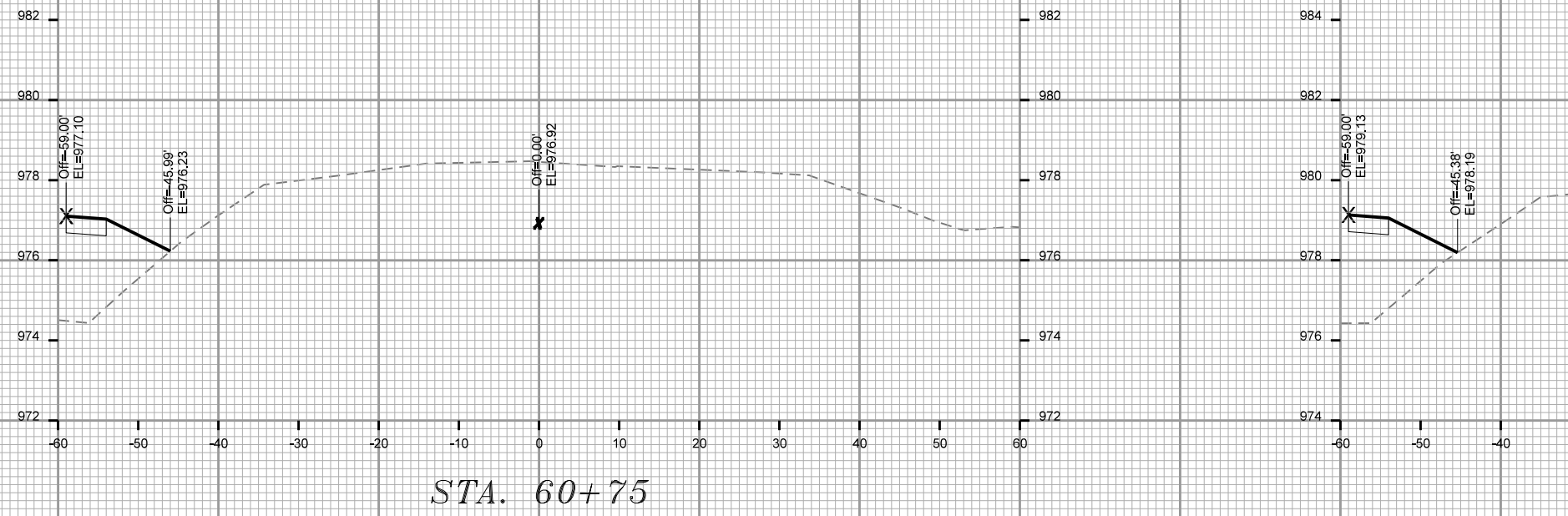
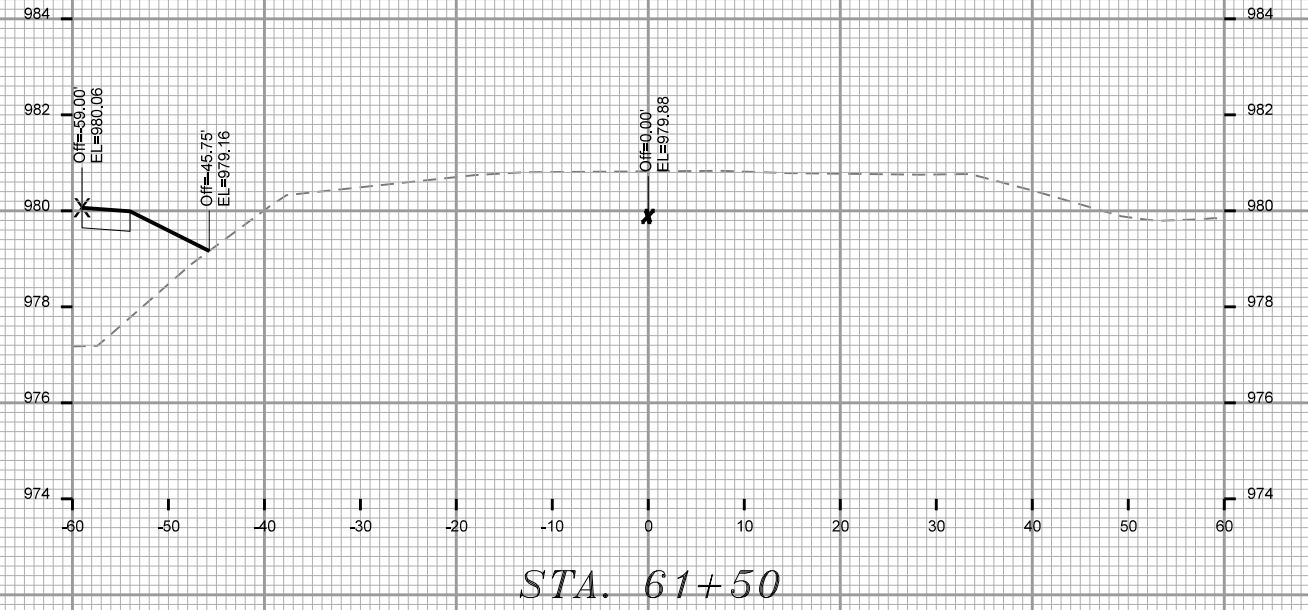
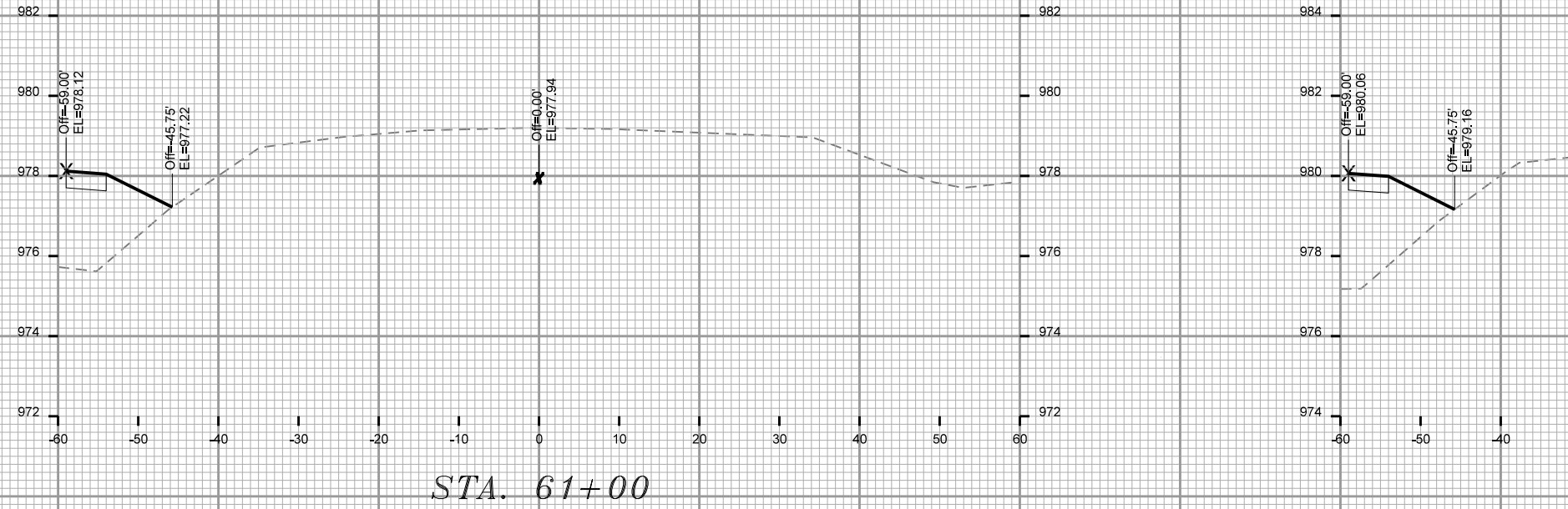
FUTURE SPRECHER ROAD CITY OF MADISON

PLOT SCALE:

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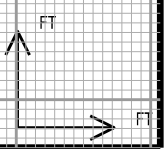
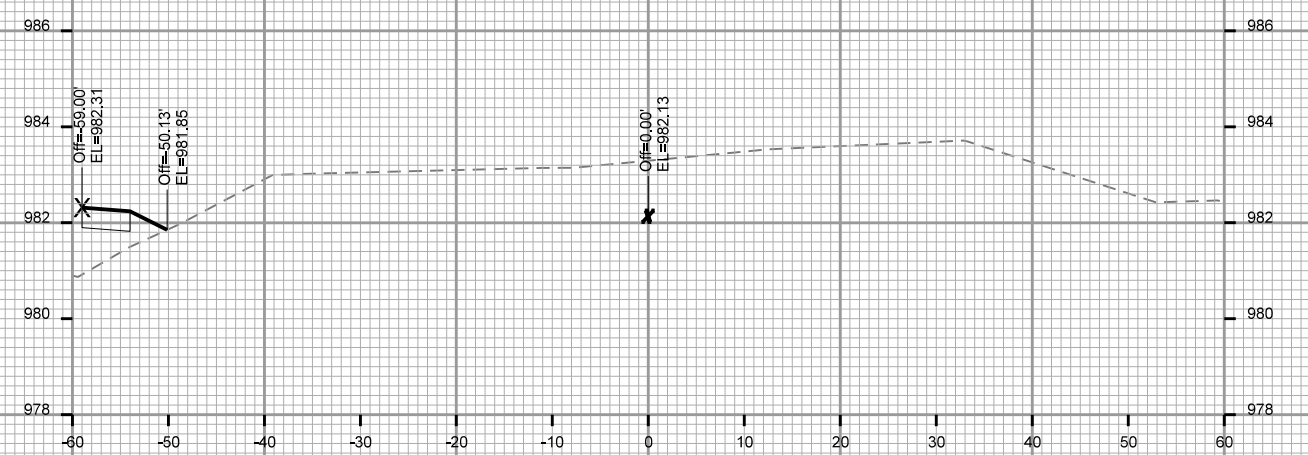
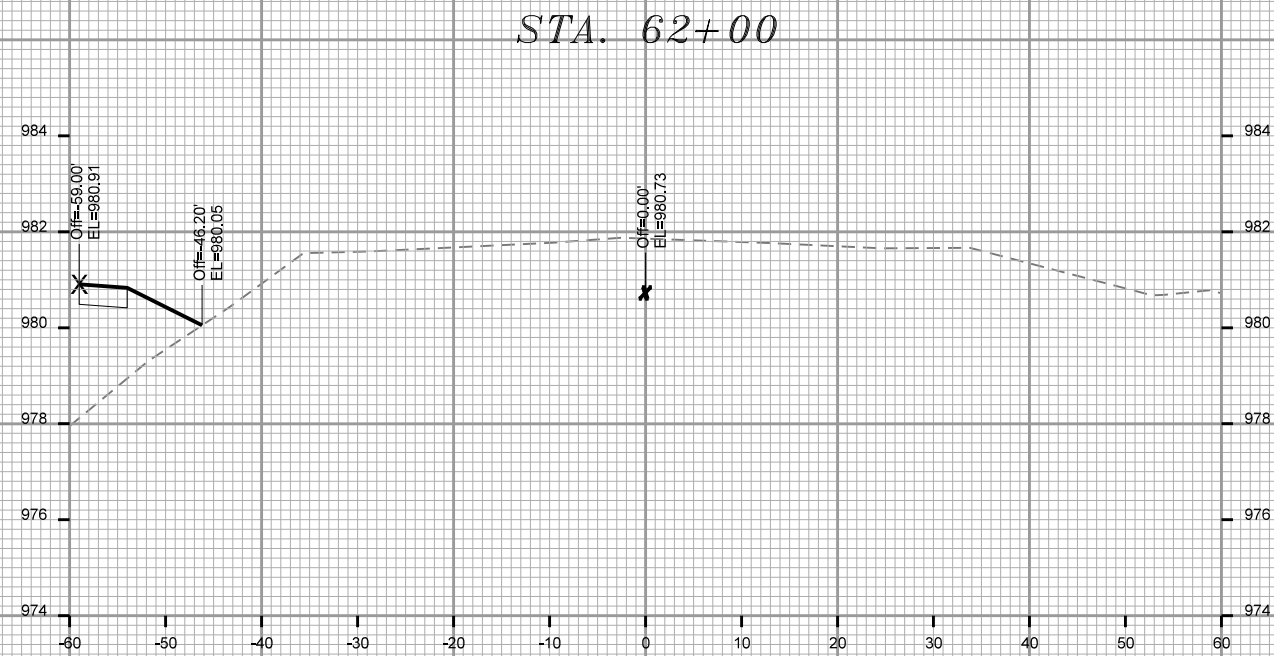
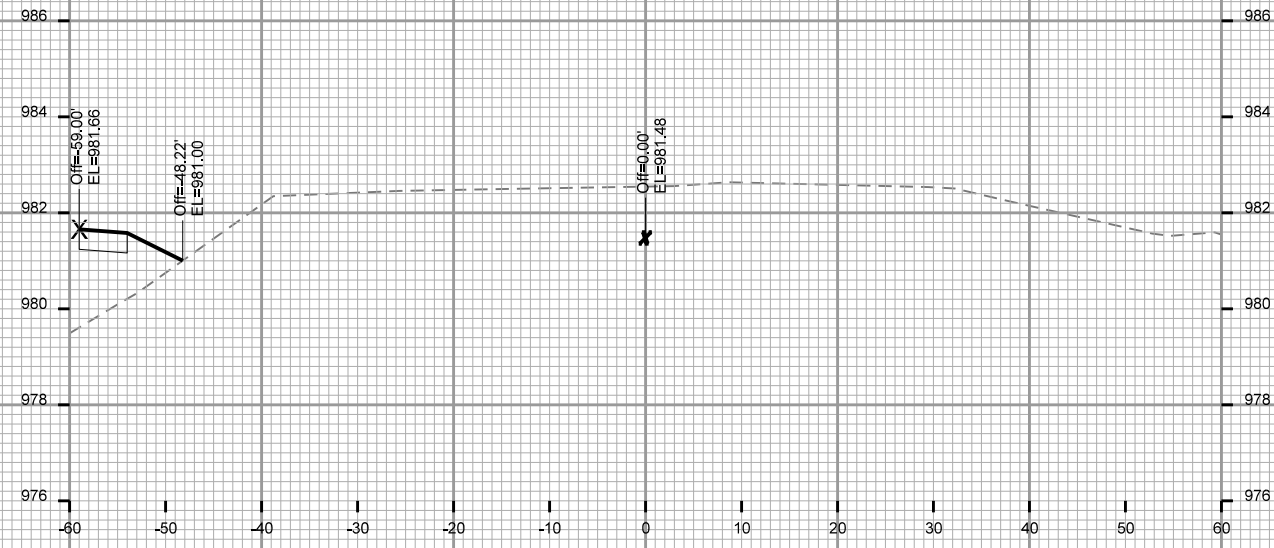
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

KILPATRICK LANE

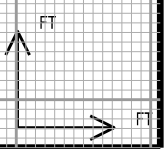
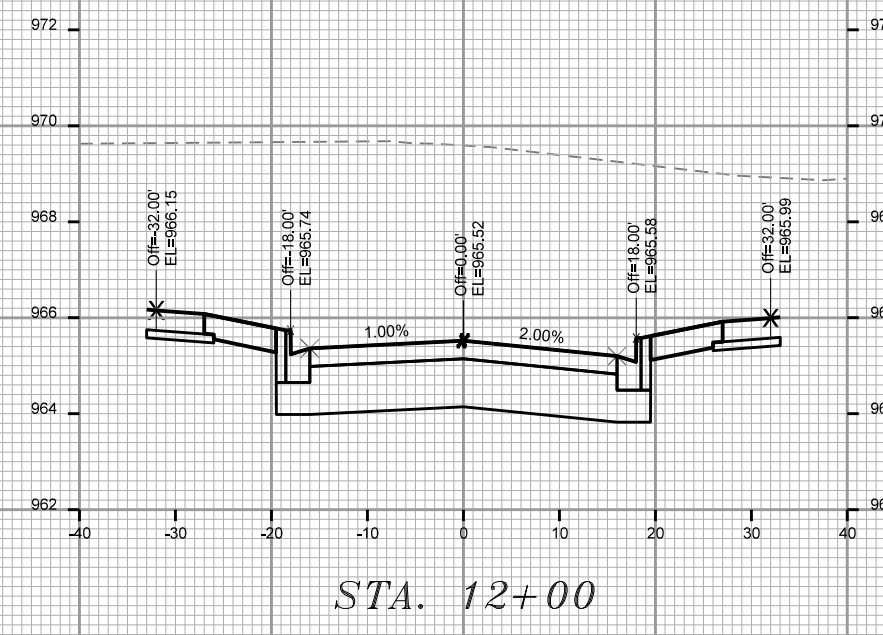
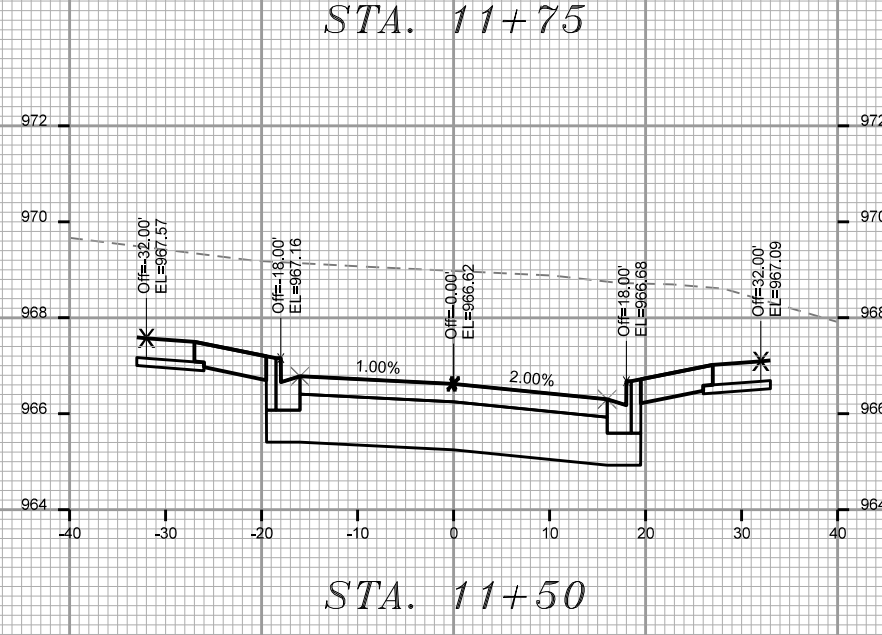
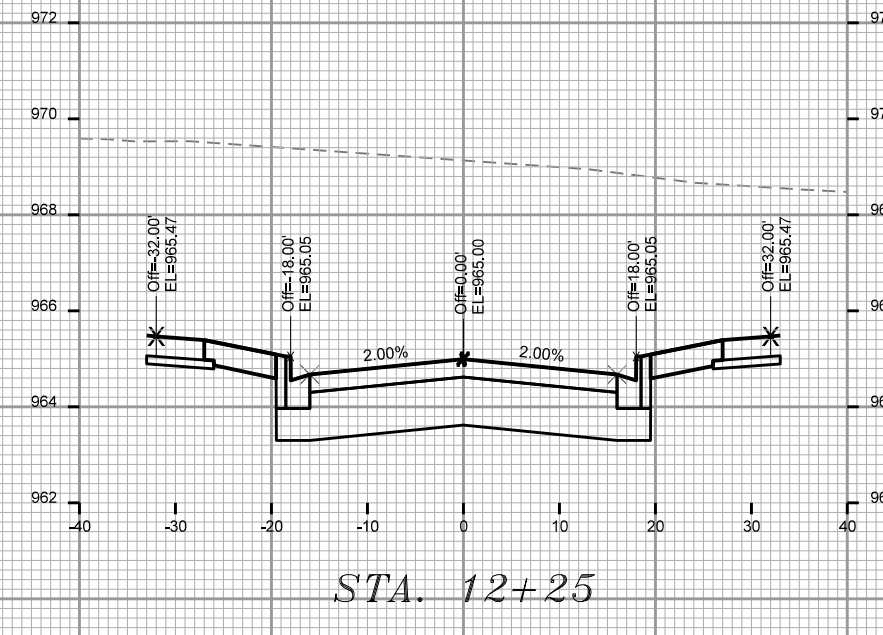
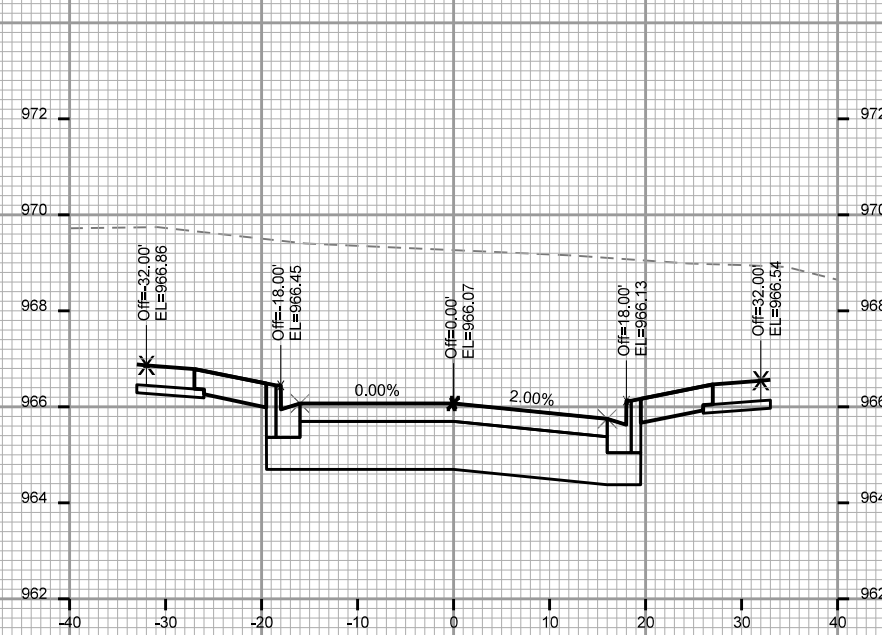
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

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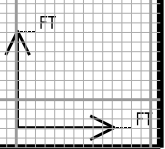
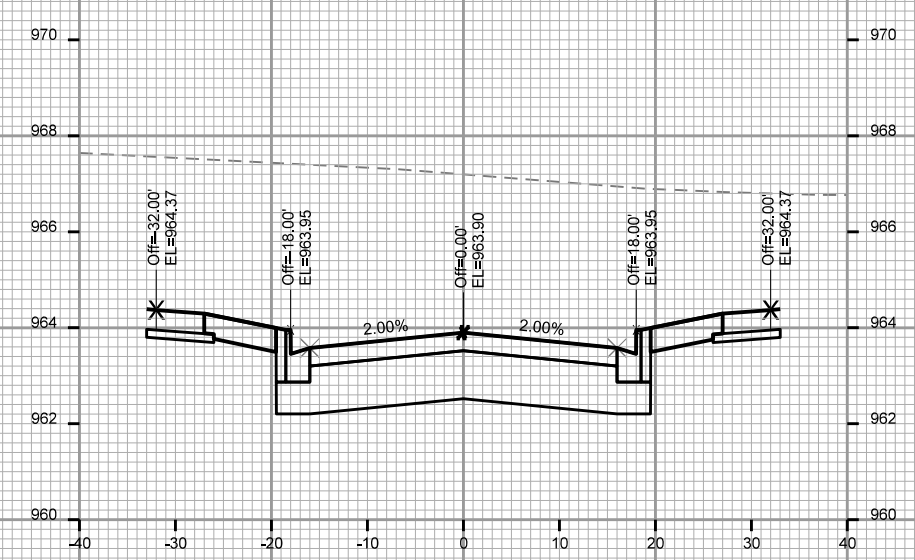
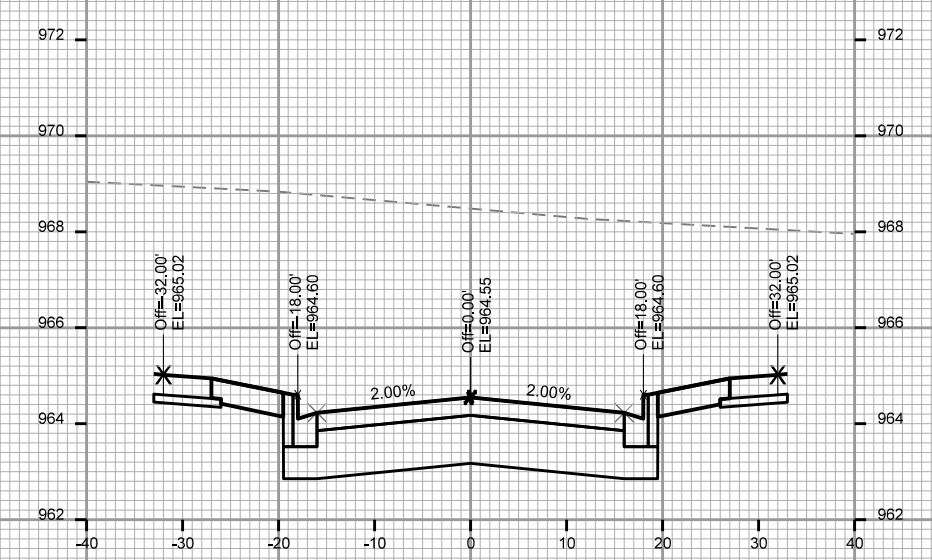
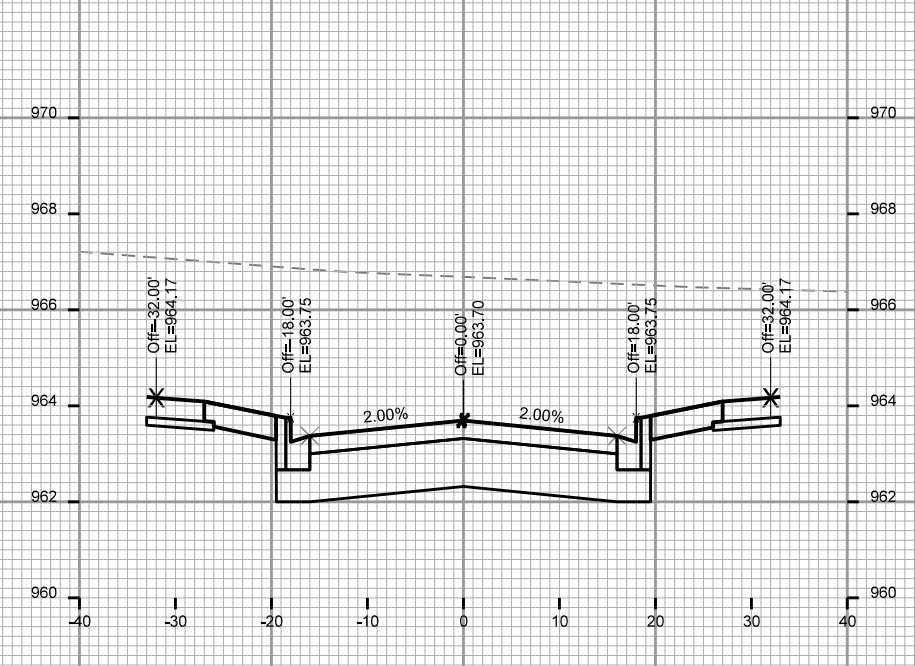
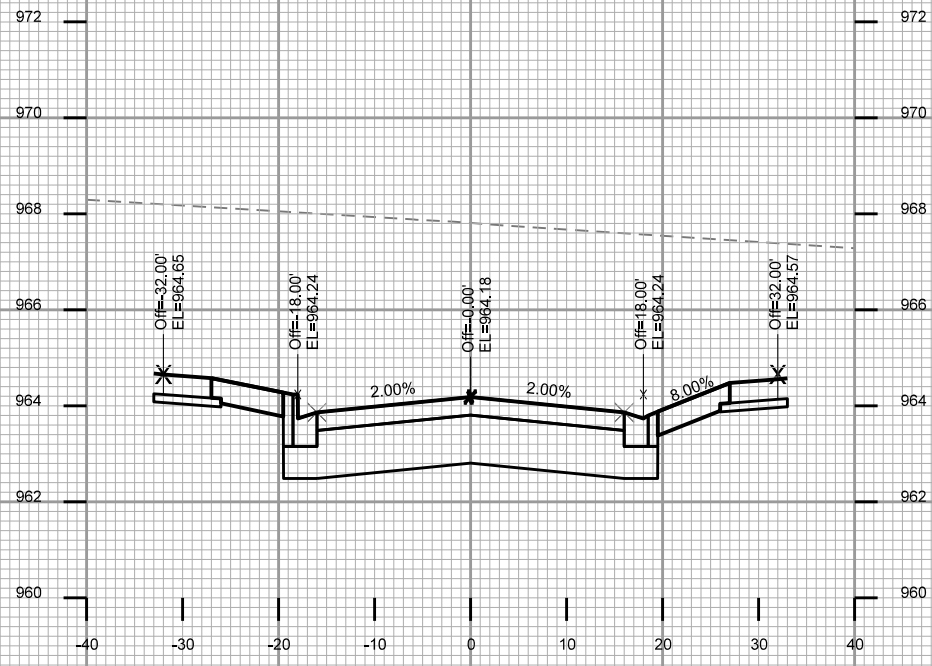
CITY OF MADISON

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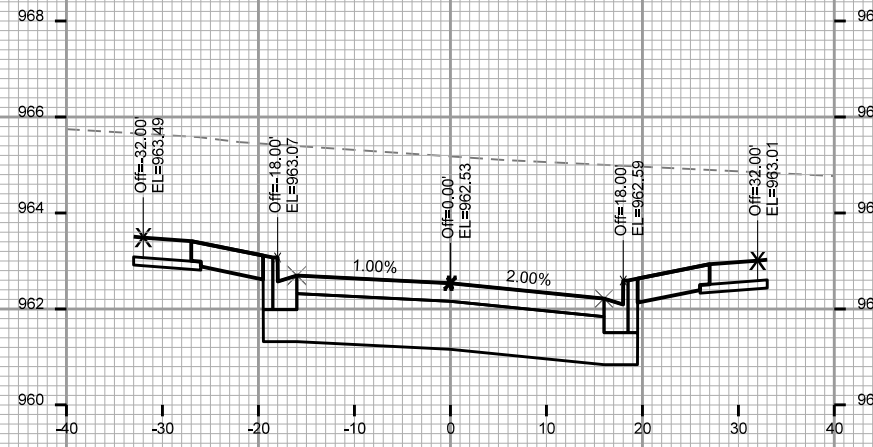




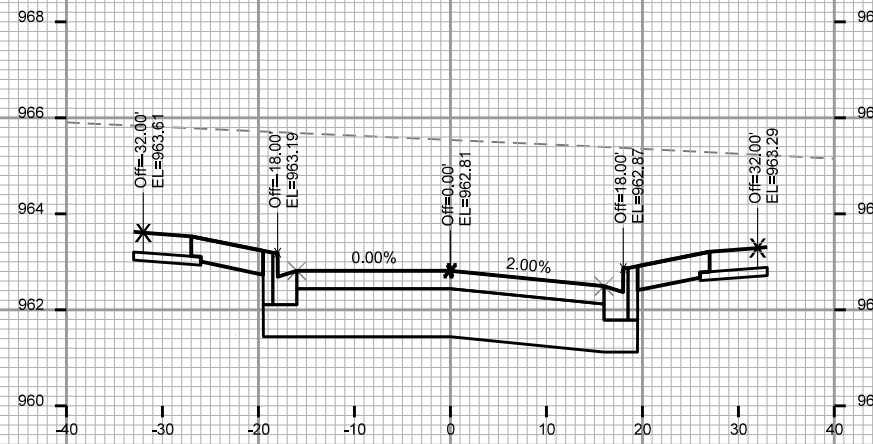
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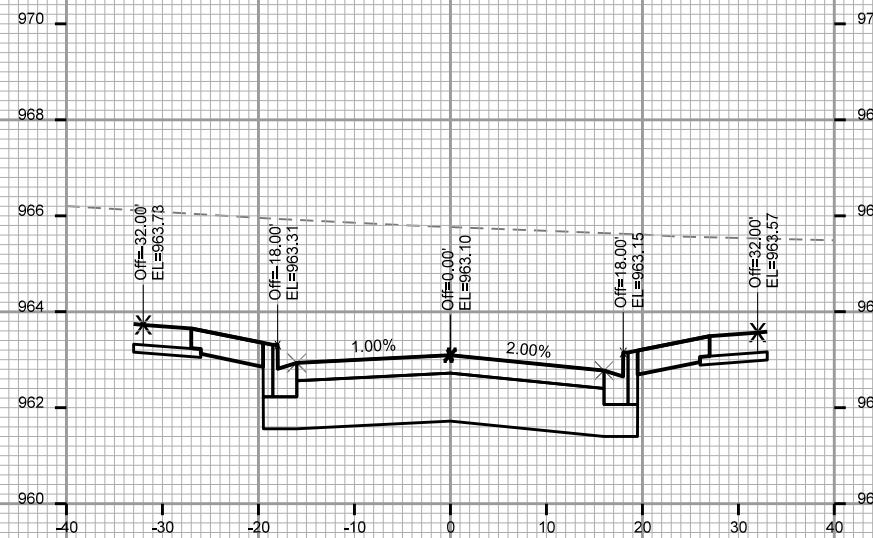
CITY OF MADISON



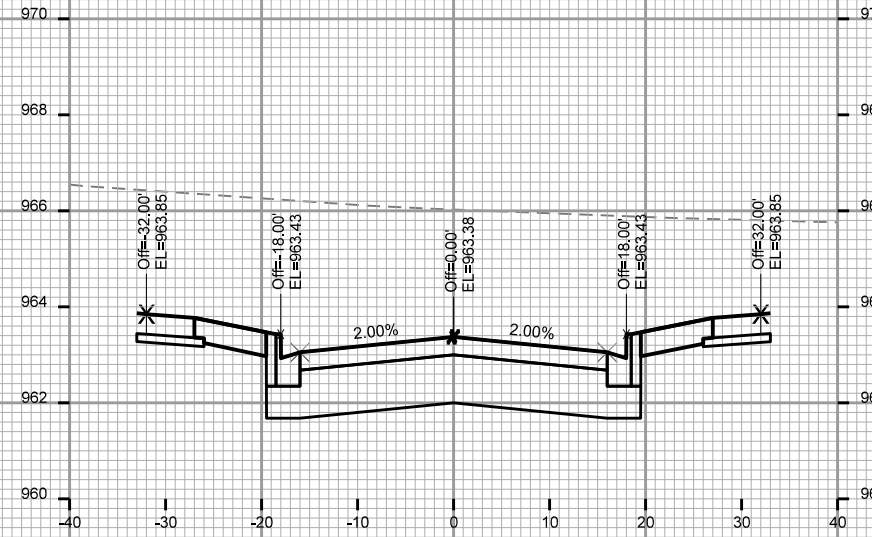
STA. 14+50



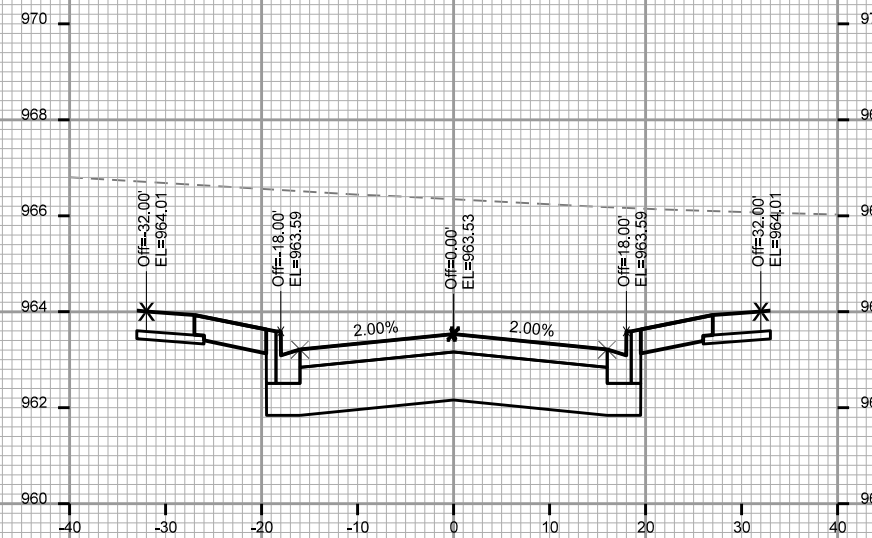
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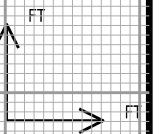
STA. 14+00



STA. 13+75



STA. 13+50



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

KILPATRICK LANE

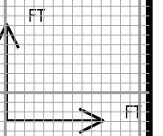
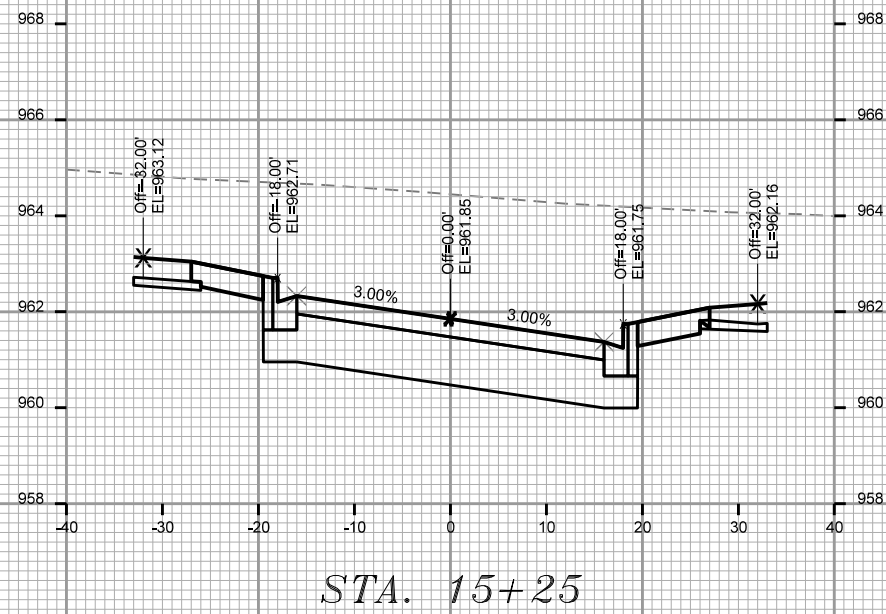
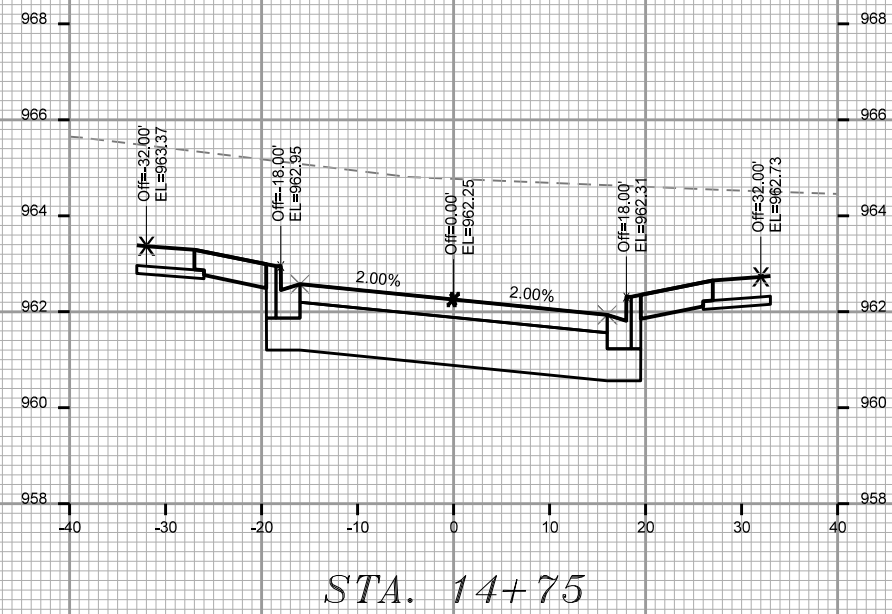
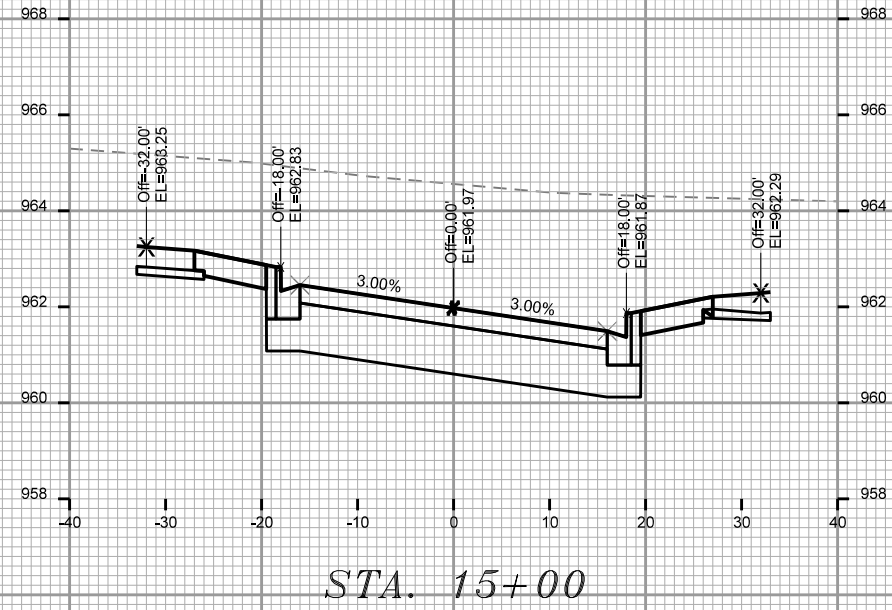
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

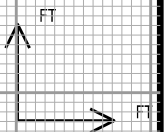
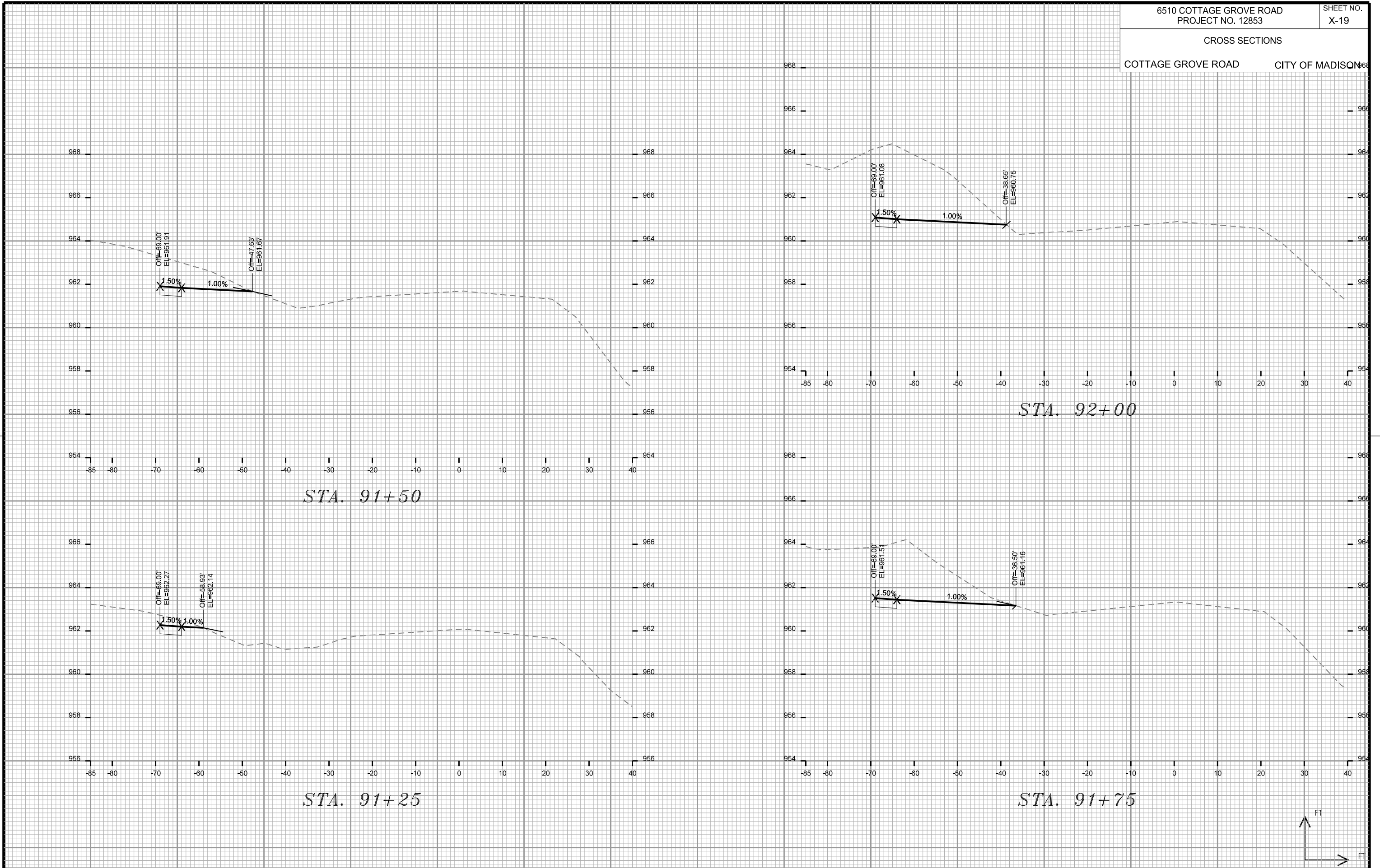
COTTAGE GROVE ROAD CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

COTTAGE GROVE ROAD

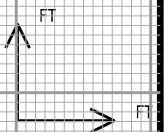
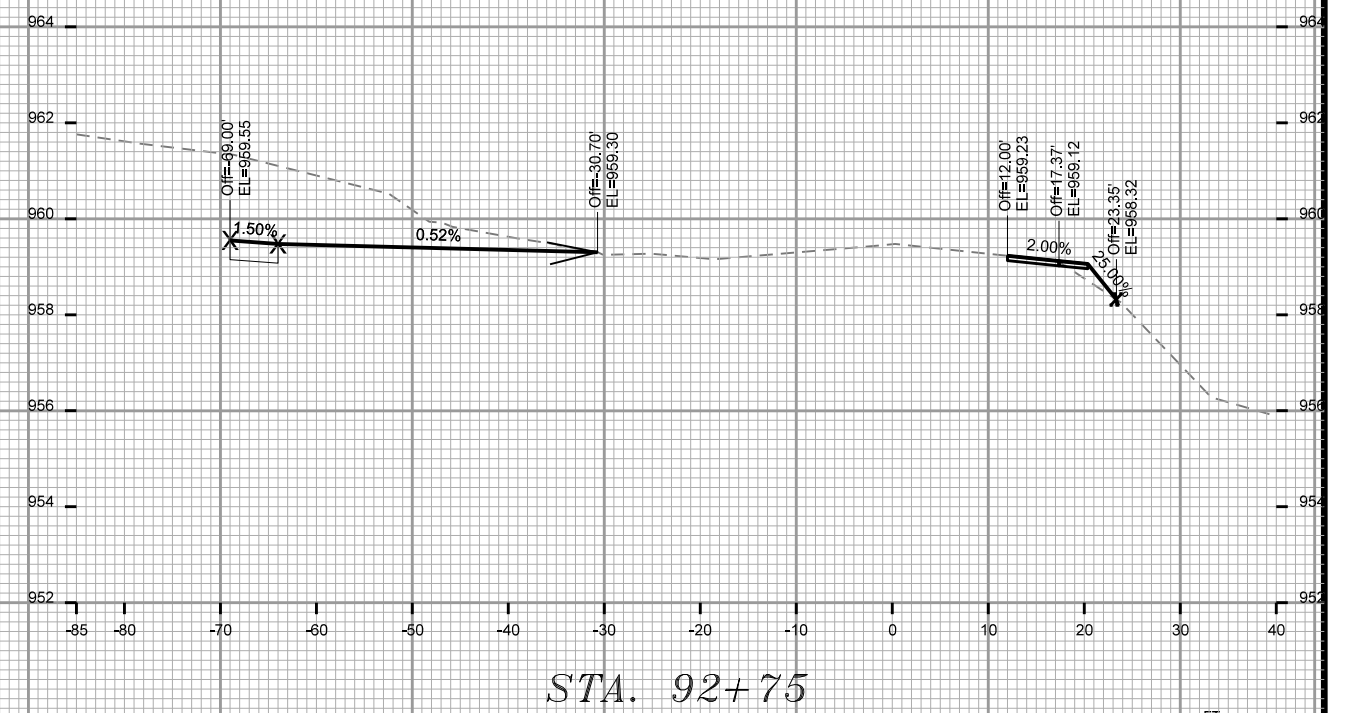
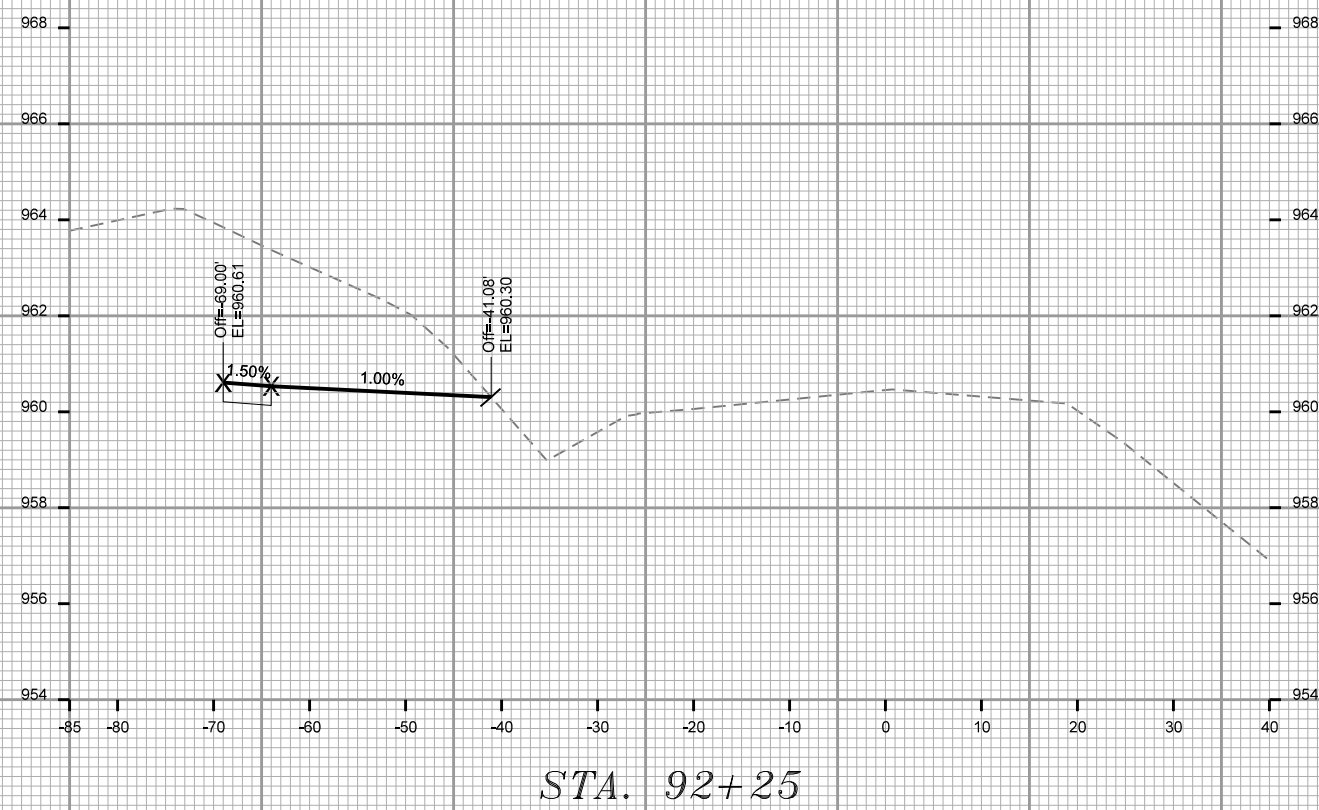
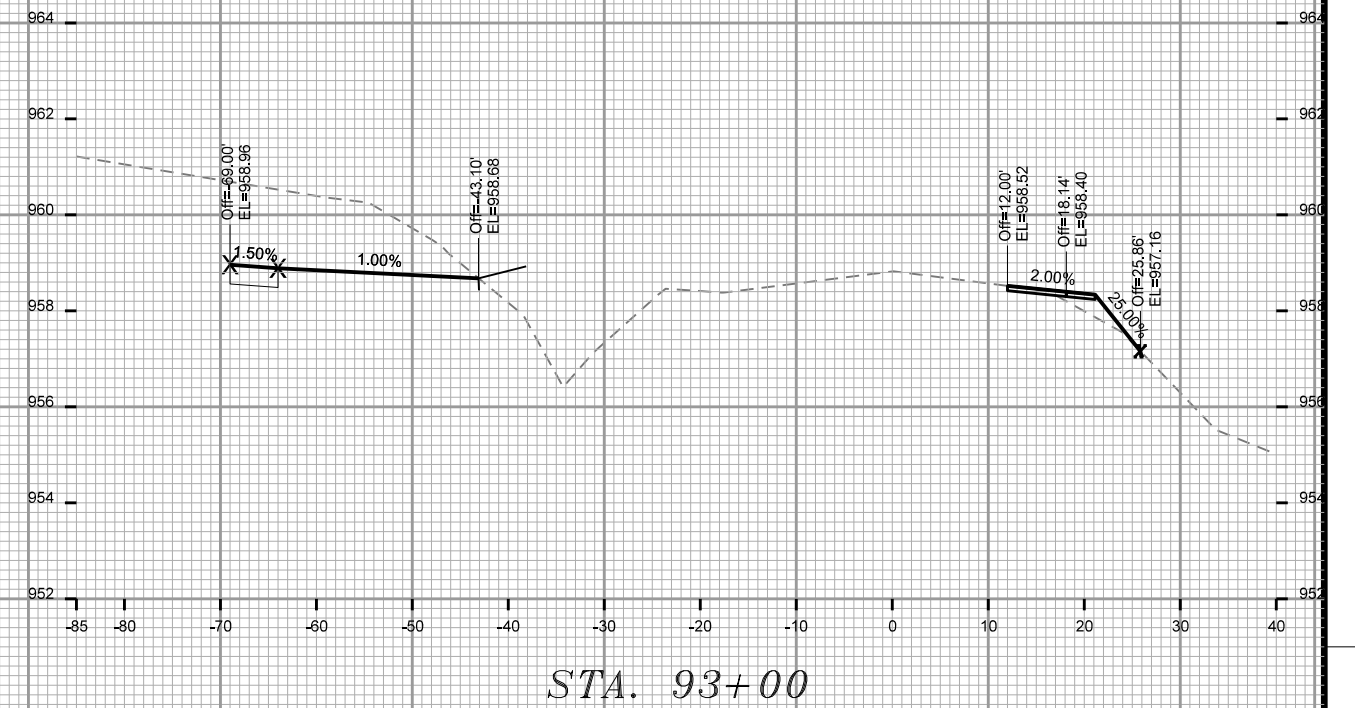
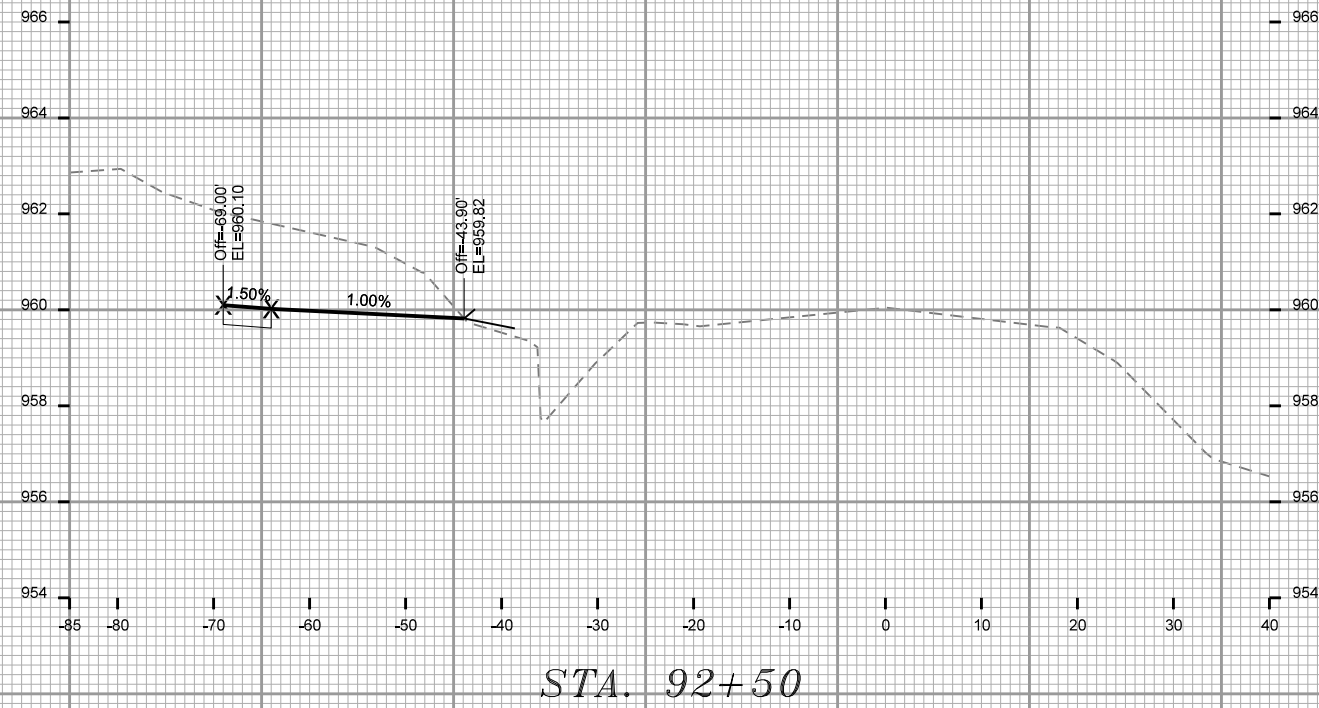
CITY OF MADISON

PLOT SCALE:

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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

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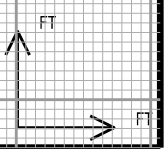
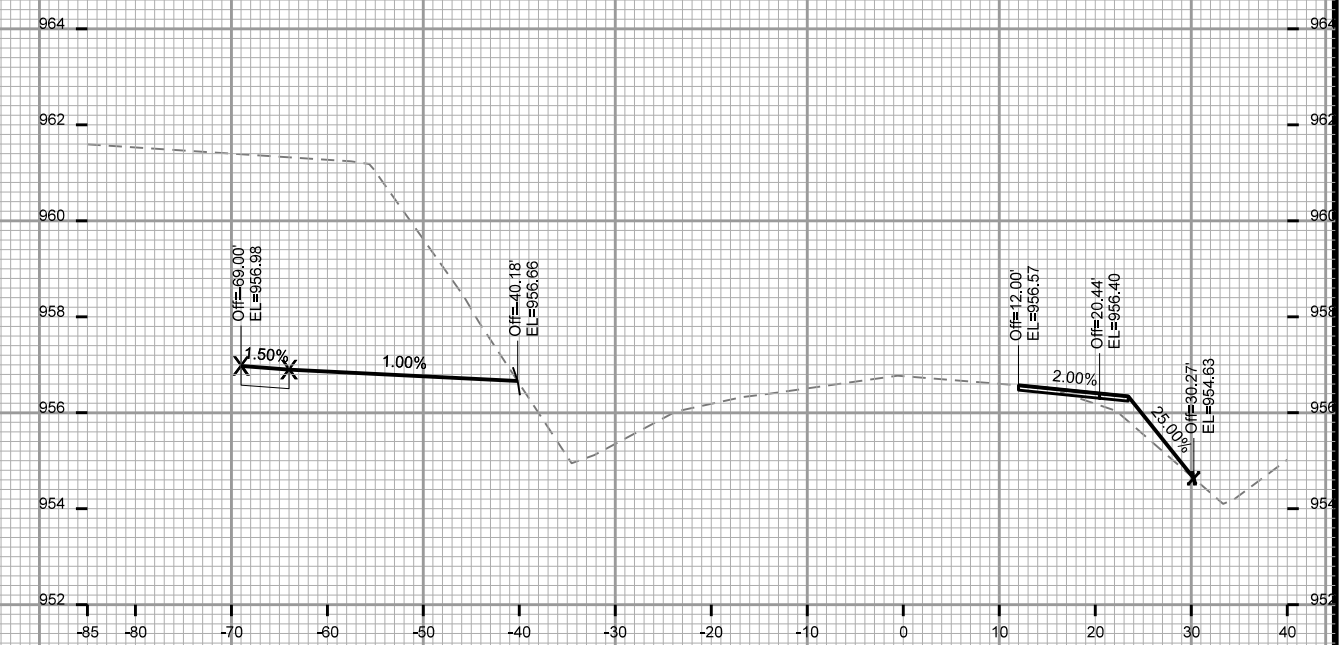
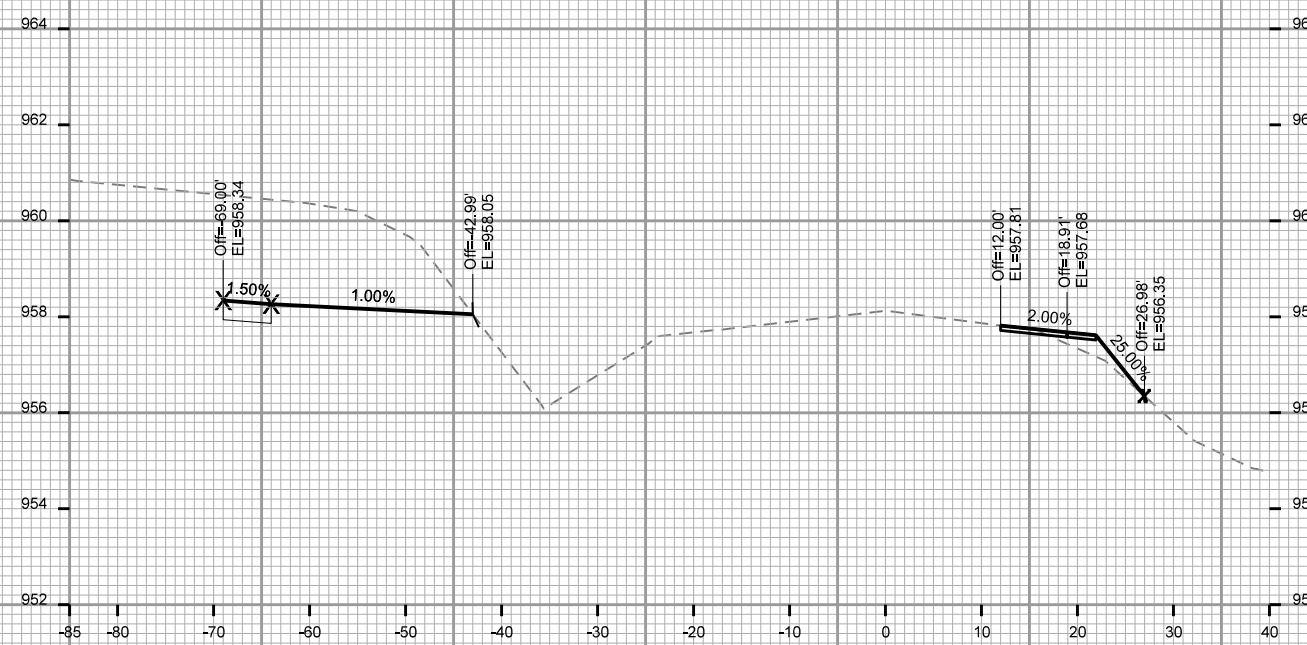
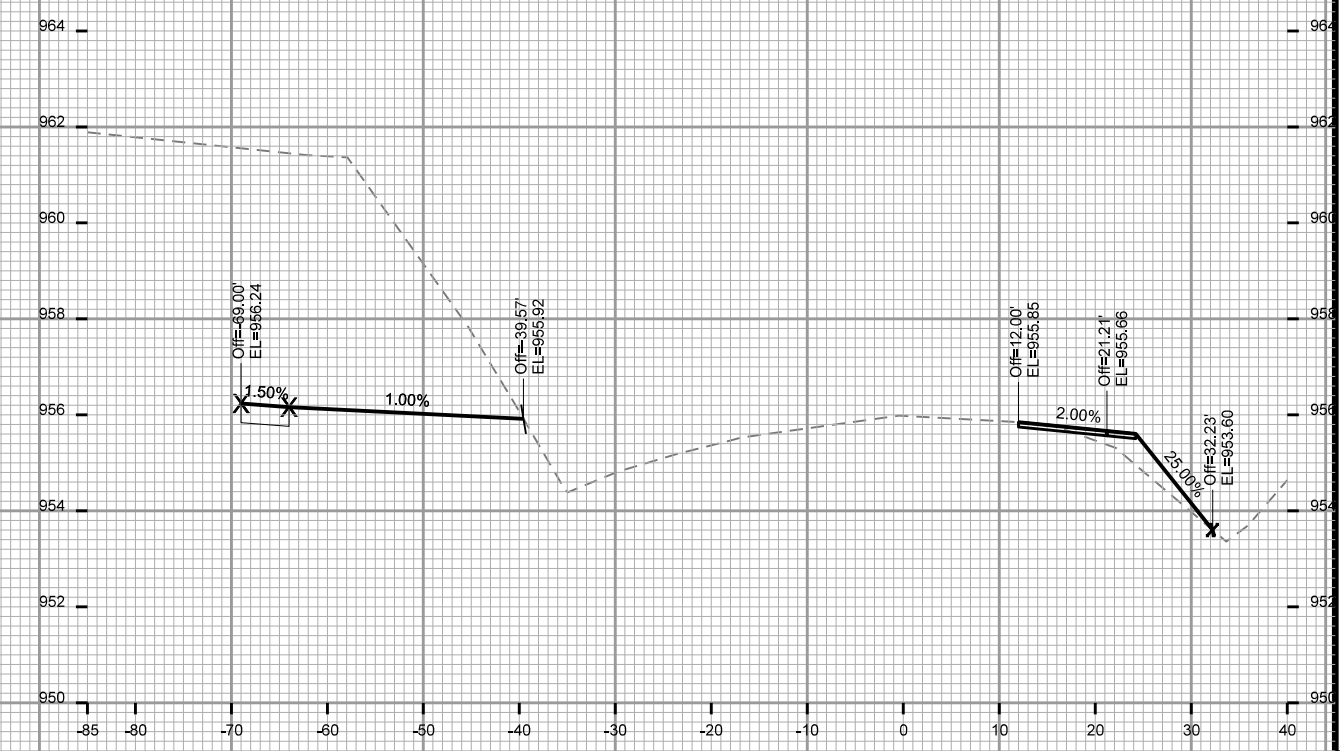
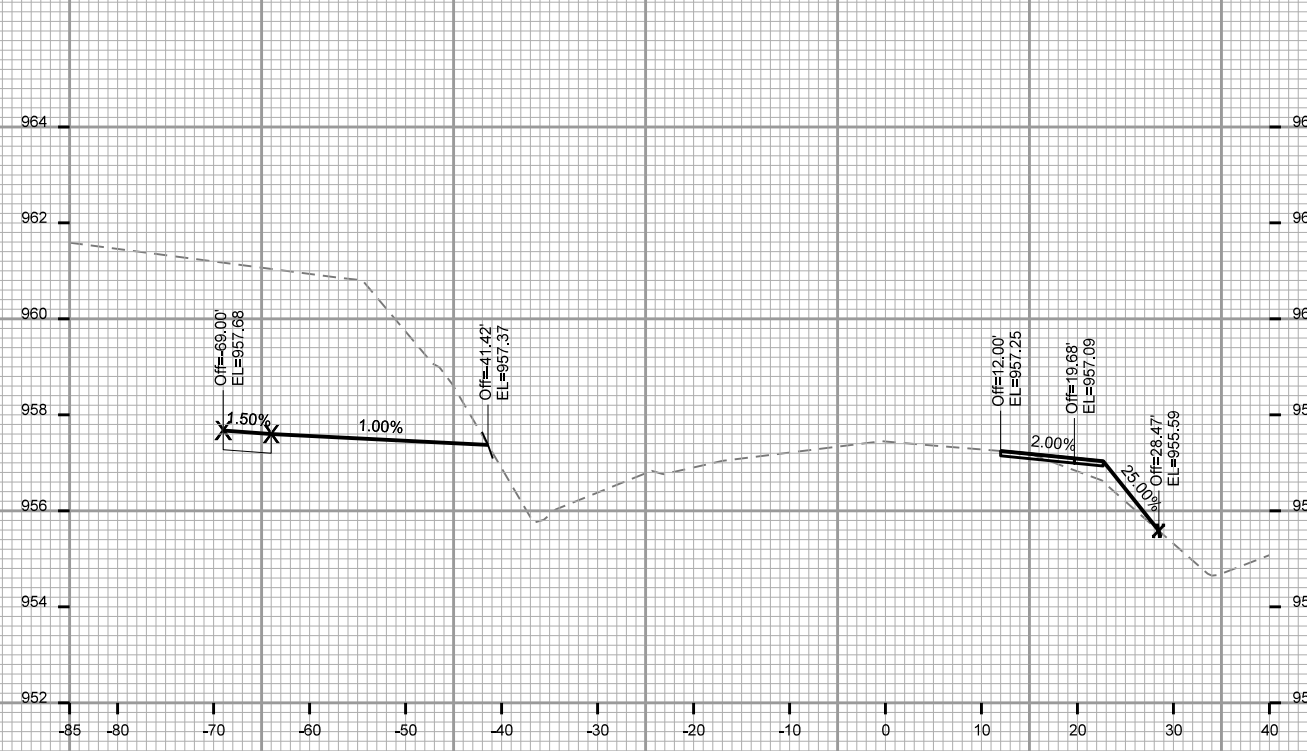
CITY OF MADISON

PLOT SCALE:

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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

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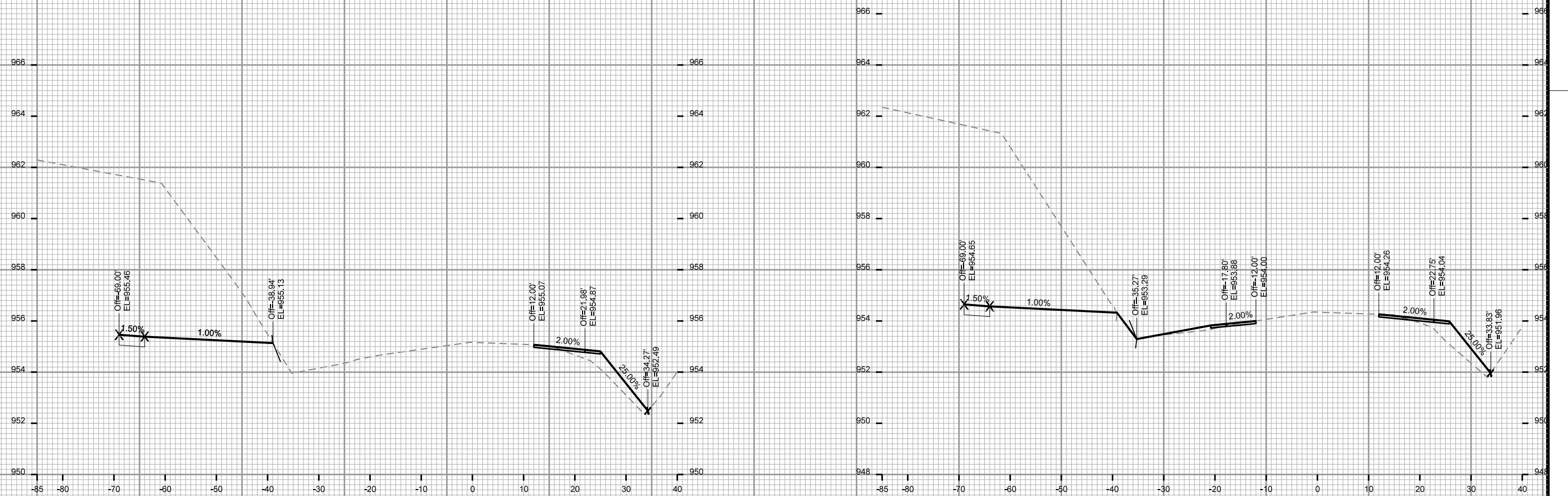
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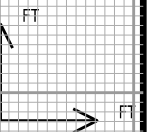
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 94+25

STA. 94+50



CROSS SECTIONS

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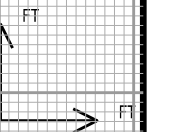
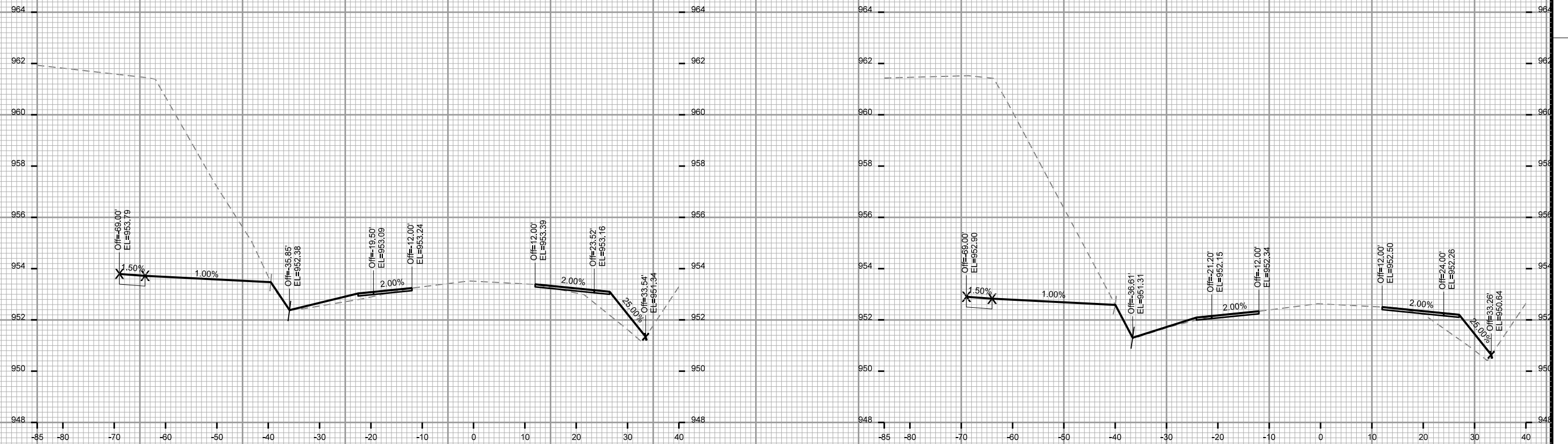
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

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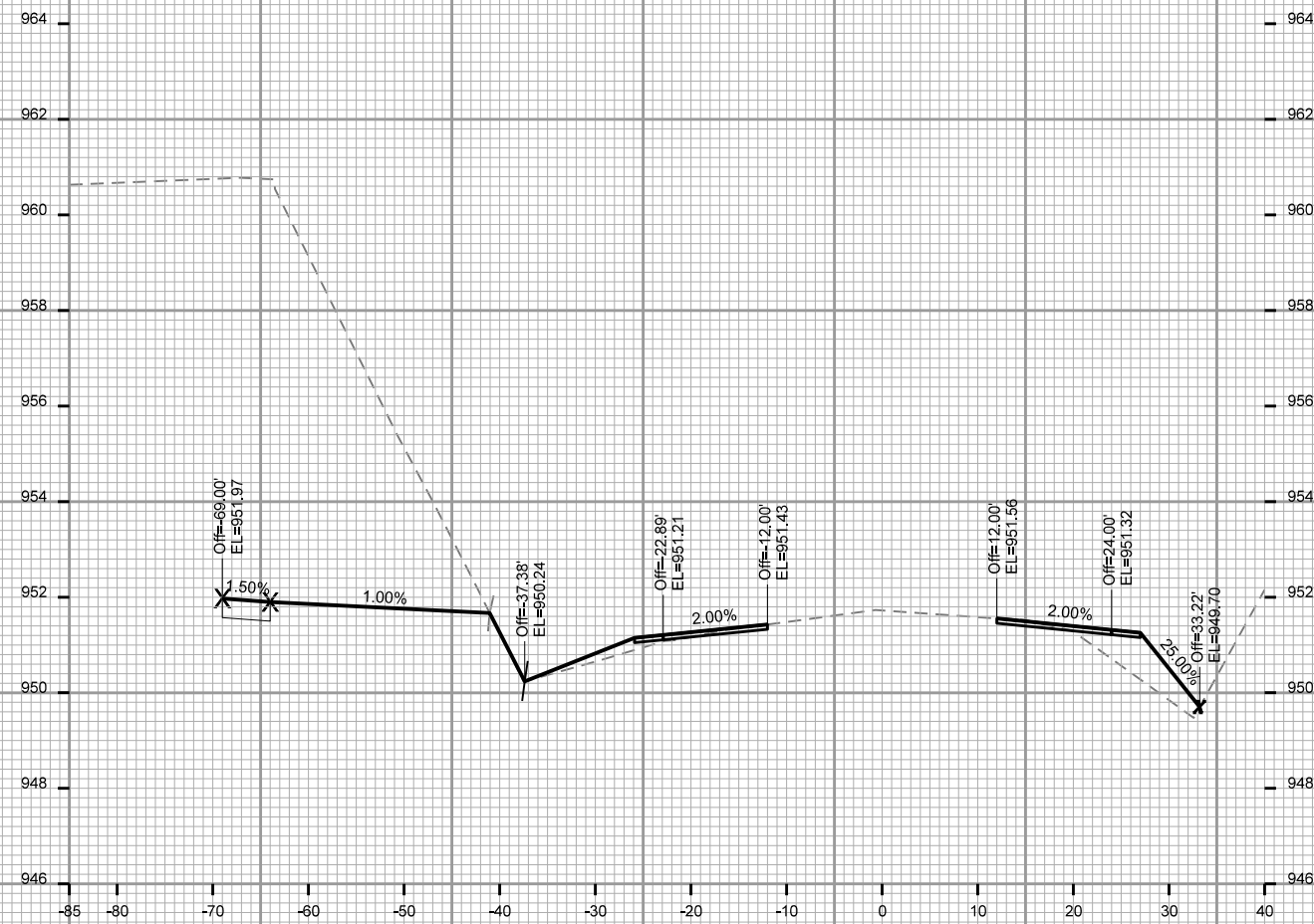
CITY OF MADISON

PLOT SCALE:

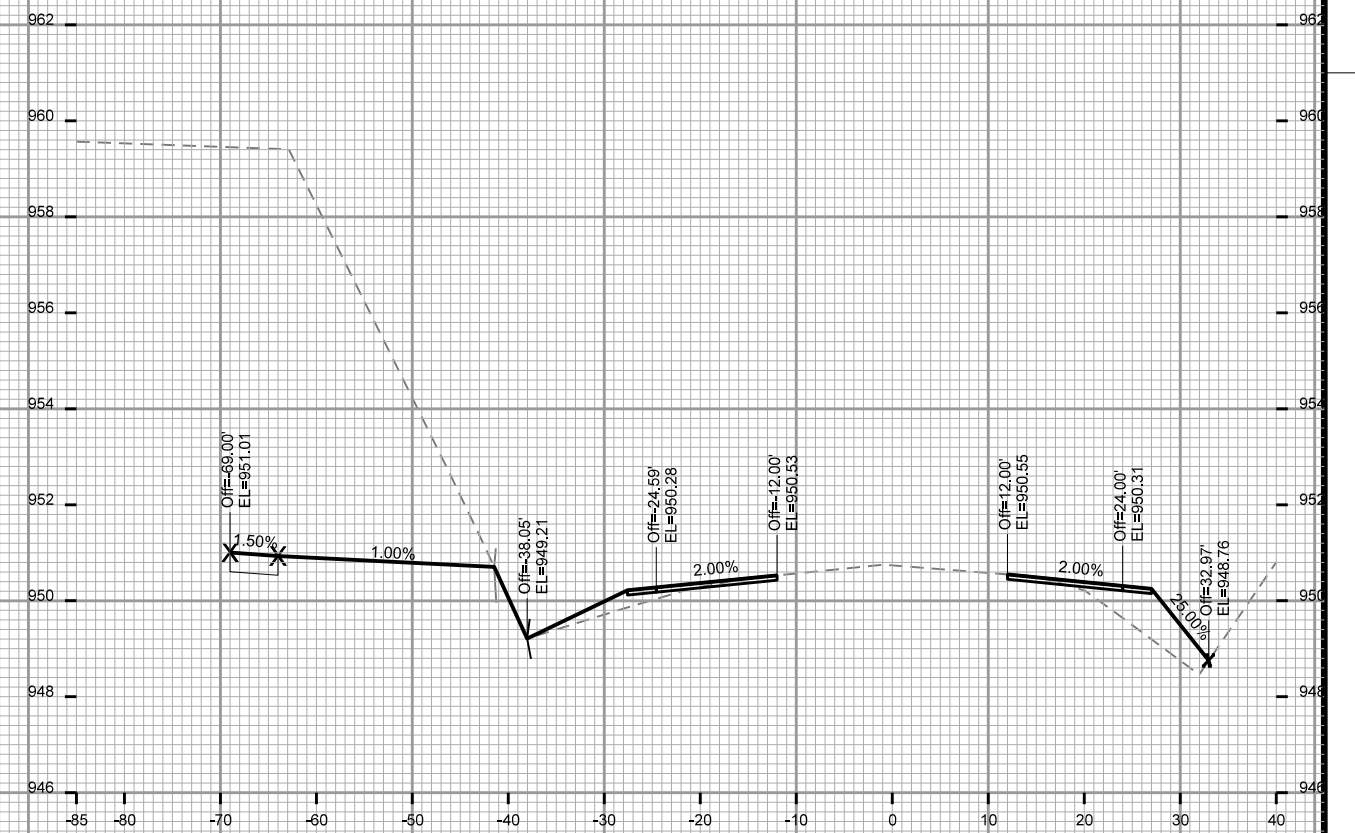
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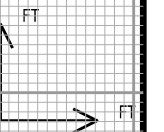
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 95+25



STA. 95+50





CROSS SECTIONS

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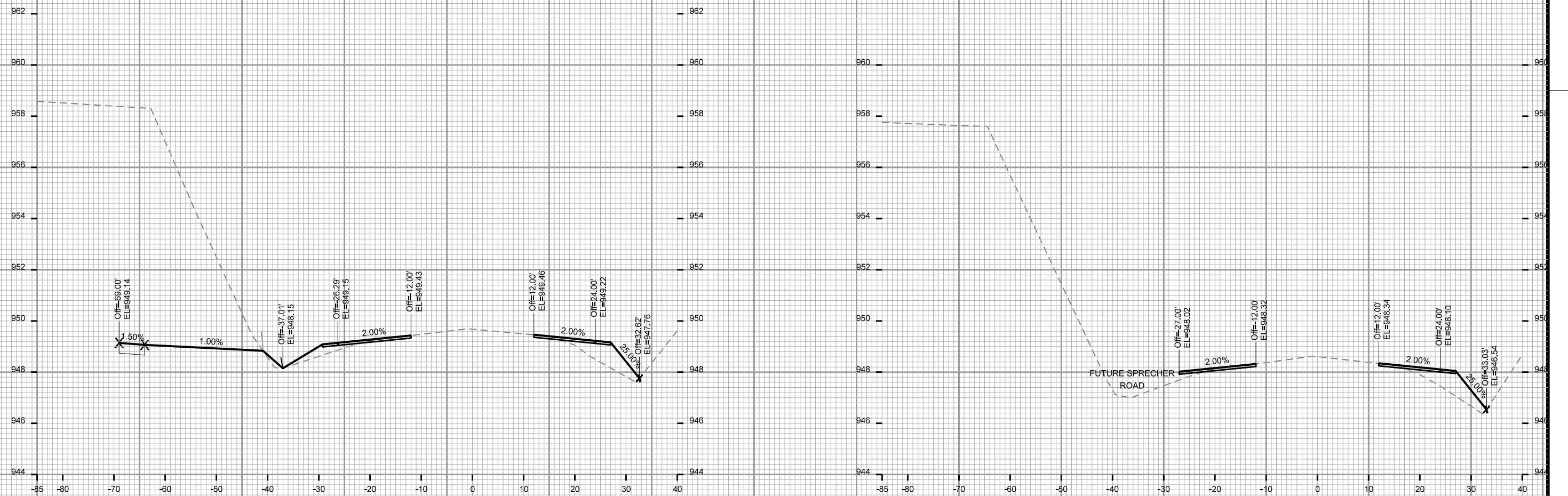
CITY OF MADISON

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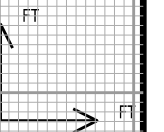
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 95+75

STA. 96+00



CROSS SECTIONS

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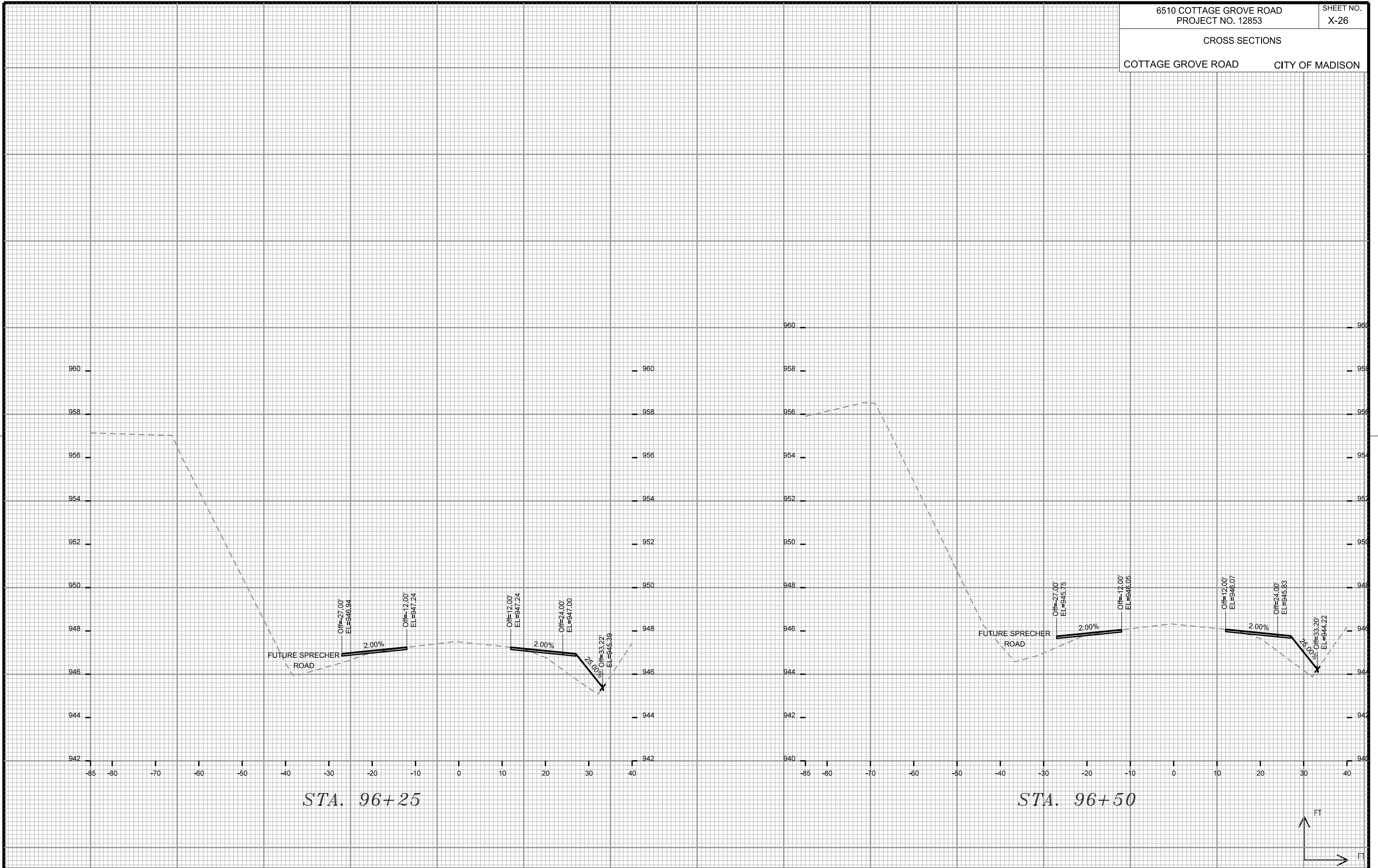
CITY OF MADISON

PLOT SCALE:

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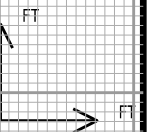
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 96+25

STA. 96+50



CROSS SECTIONS

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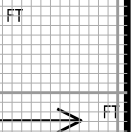
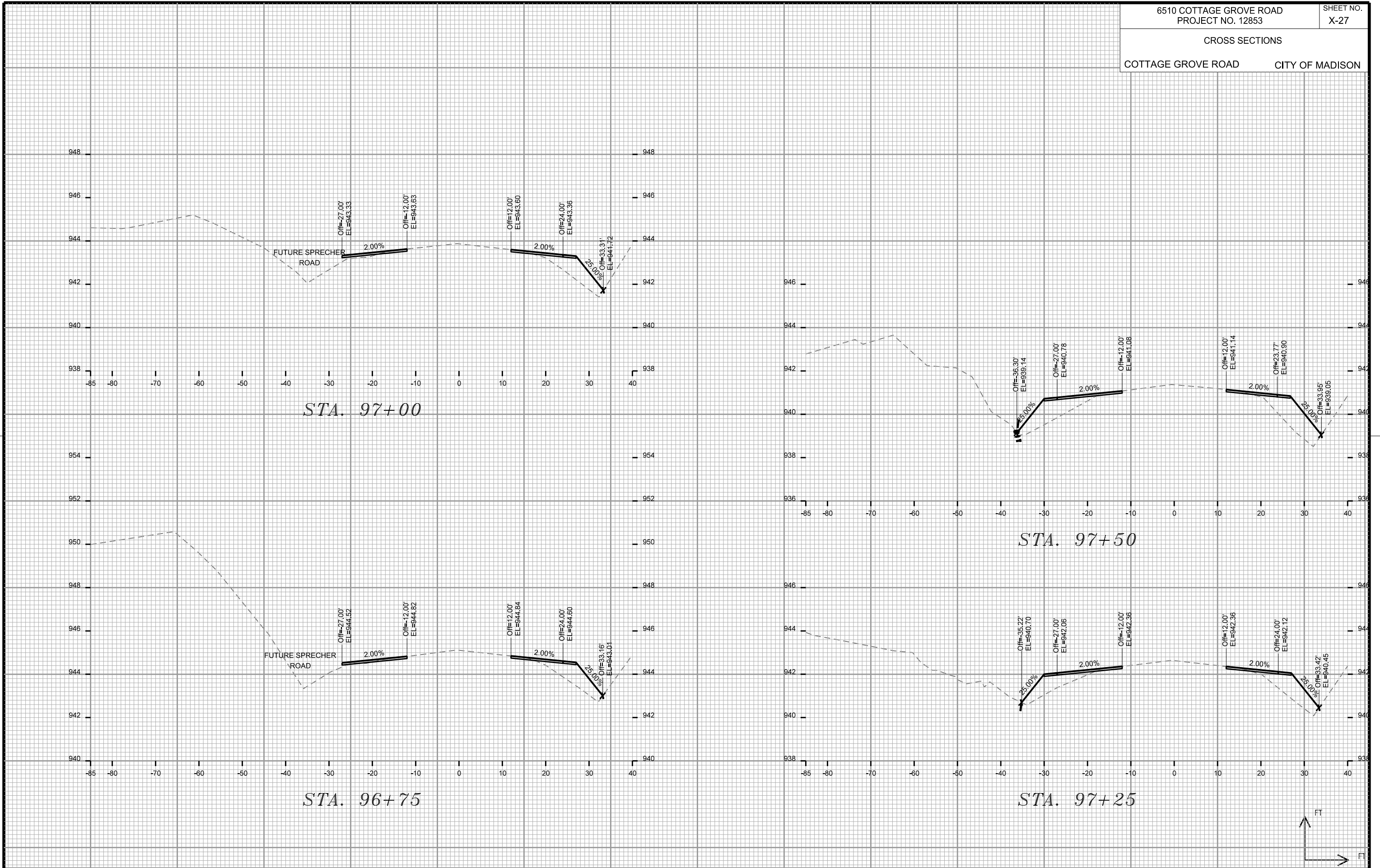
CITY OF MADISON

PLOT SCALE:

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

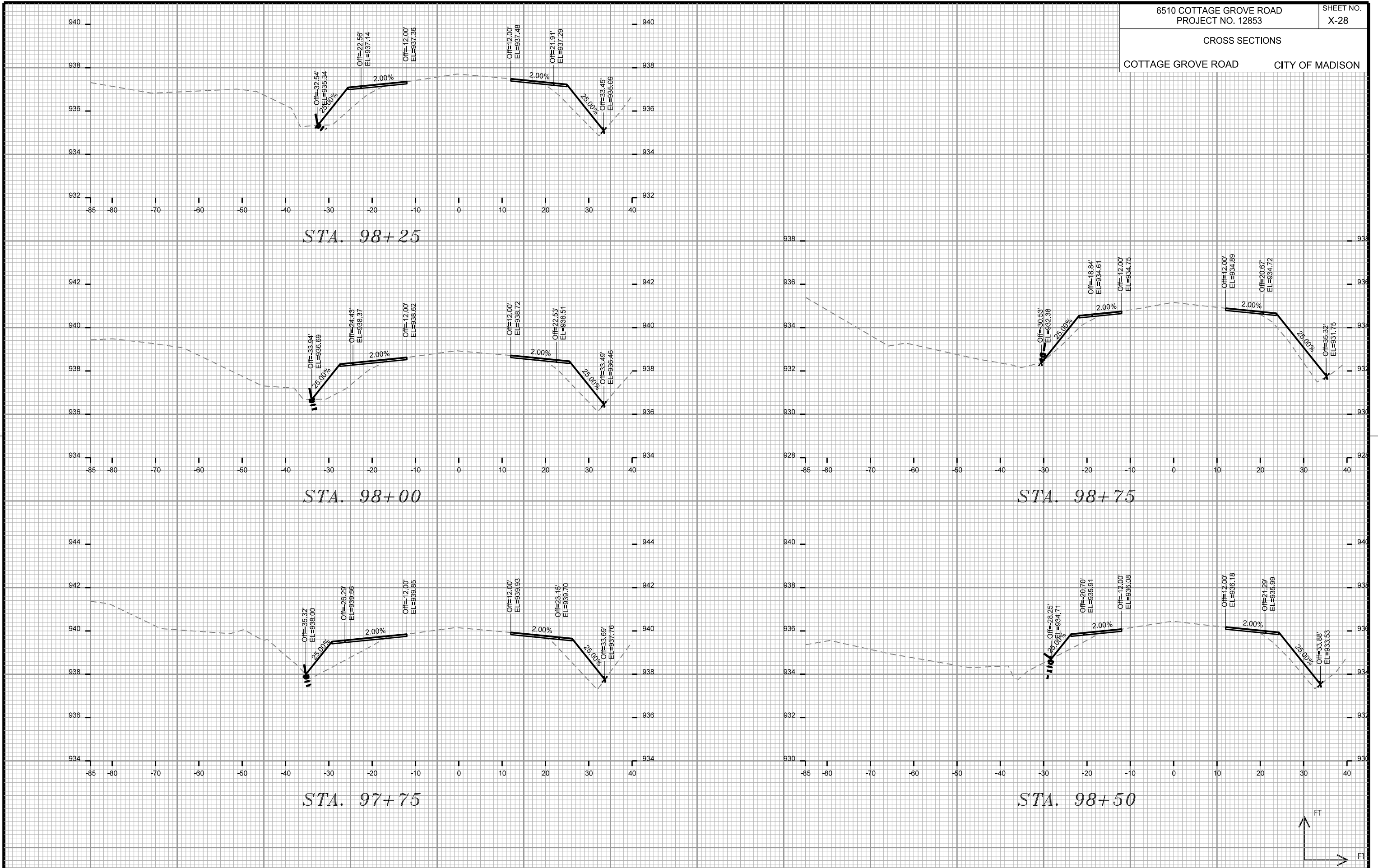
COTTAGE GROVE ROAD CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

COTTAGE GROVE ROAD

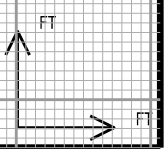
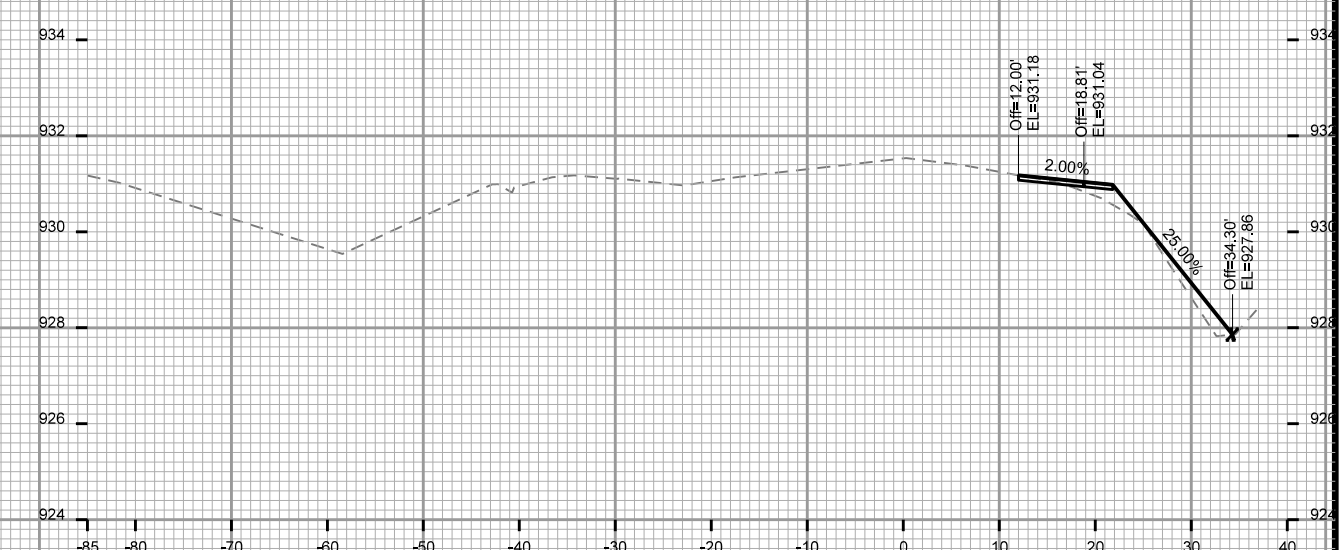
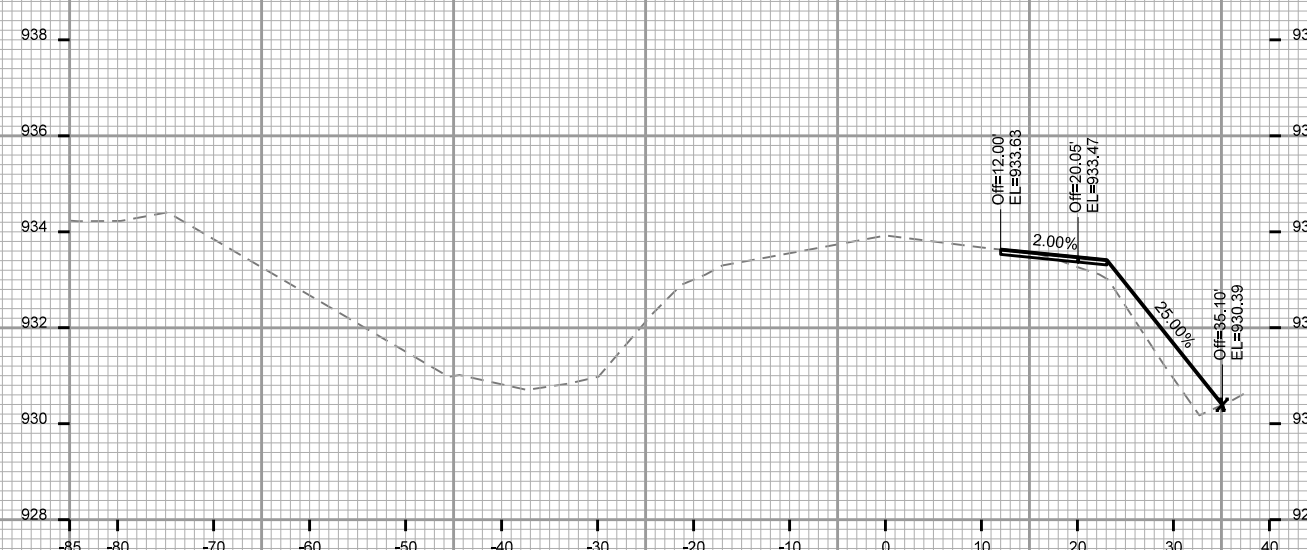
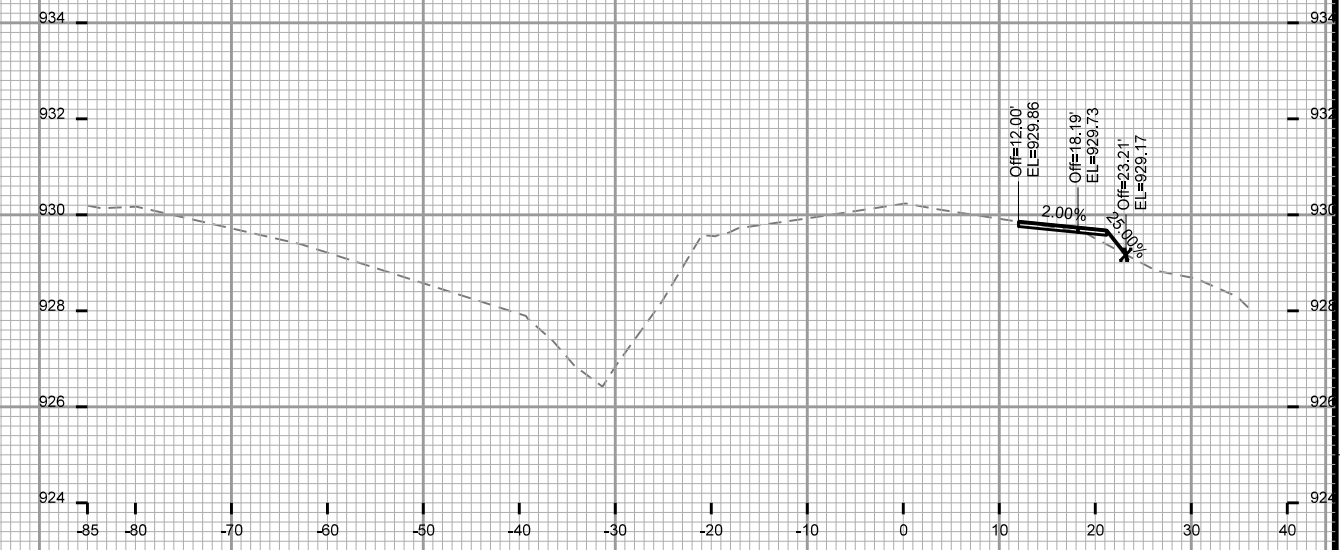
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CROSS SECTIONS

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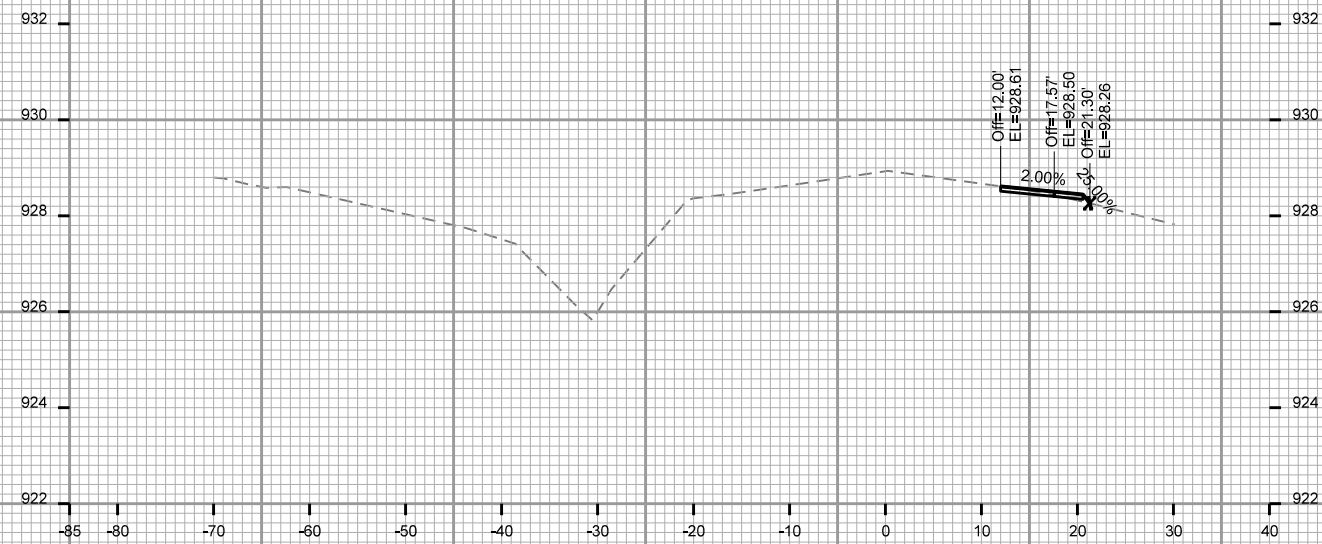
CITY OF MADISON

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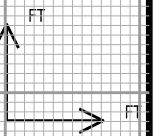
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REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 100+00



CROSS SECTIONS

EX. SPRECHER ROAD

CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

