

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT
APPROVED

November 27, 2012

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 6/13/14
City Engineer Date

INDEX OF SHEETS

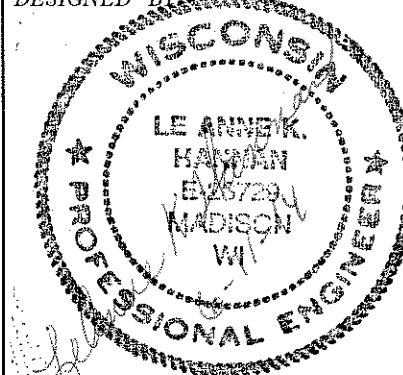
SHEET NO.	TITLE
1	DETAILS
DI	EROSION CONTROL PLAN
EC1-EC3	STREET PLAN & PROFILES
P1-P3	SANITARY PLAN & PROFILES
UI-U3	SANITARY SCHEDULE
U4	WATER PLAN & PROFILES
W1-W2	WATER SCHEDULE
W3	CROSS SECTIONS
XI-X4	

ELDERBERRY ROAD ASSESSMENT DISTRICT-2013

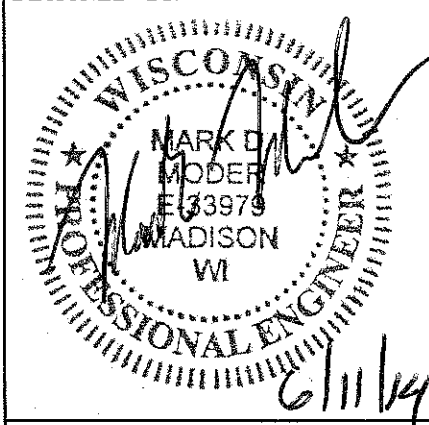
CITY PROJECT NO. 53W1338

CITY CONTRACT NO. 7226

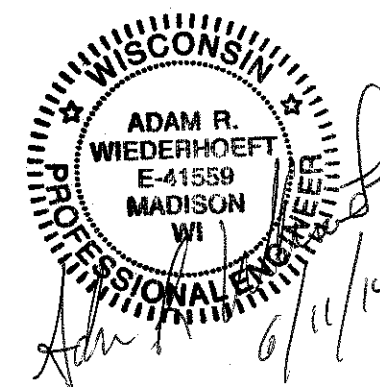
STREET
DESIGNED BY:



SANITARY SEWER
DESIGNED BY:



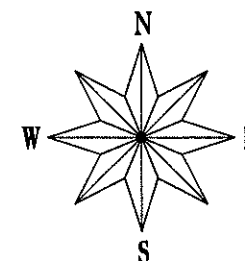
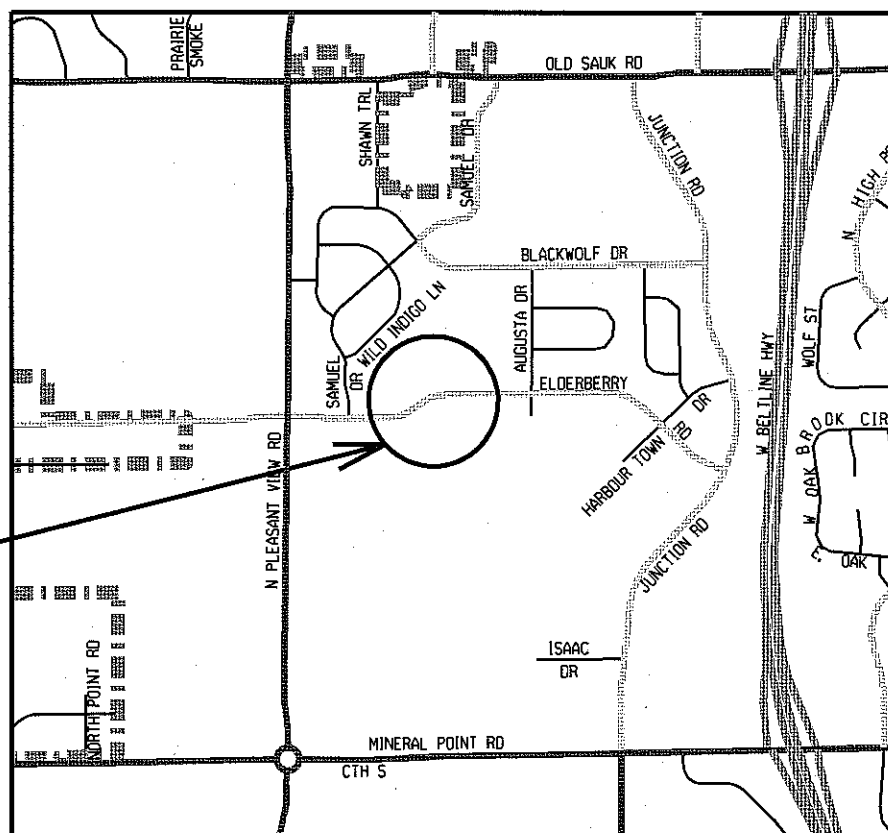
WATER
DESIGNED BY:



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	
COMBUSTIBLE FLUIDS	



CONSTRUCTION PROJECT LOCATION

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%.

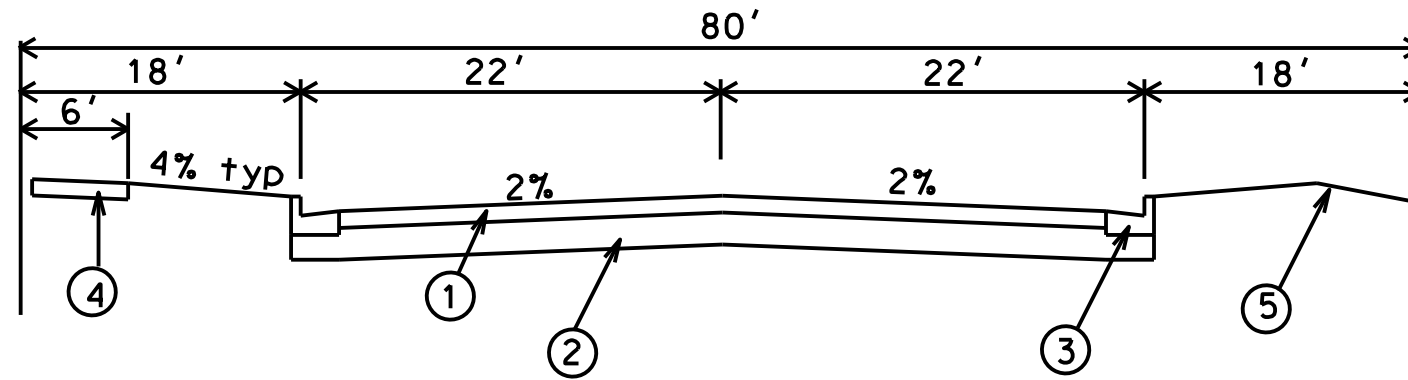
EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY)..... 2368 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT..... 1309 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT..... 3677 C.Y.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



ELDERBERRY ROAD

- ① 5 1/4" HMA PAV'T TYPE E-3
- ② 4" C.A.B.C. GRAD. 2
6" C.A.B.C. GRAD. 1
- ③ TYPE "A" CONCRETE CURB & GUTTER
- ④ 5" CONCRETE SIDEWALK
- ⑤ TOPSOIL, SEED & MATTING

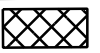





LEVELS ON - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: _____

-  STREET CONSTRUCTION ENTRANCE BERM (S.D.D. 1.08)
-  CONSTRUCTION ENTRANCE (S.D.D. 1.07)
-  TYPE D HYBRID INLET PROTECTION
-  SILT FENCE
-  SILT SOCK (S.D.D. 1.09)
-  STREET CONSTRUCTION STONE BERM (S.D.D. 1.10)

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.

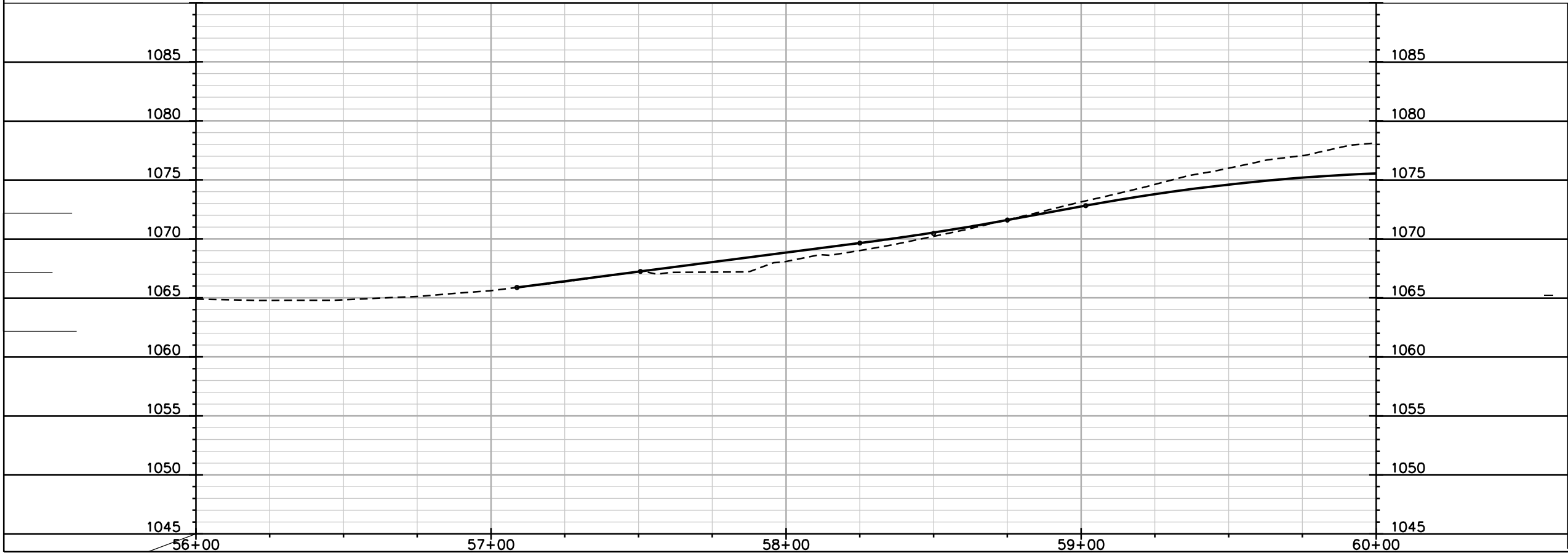
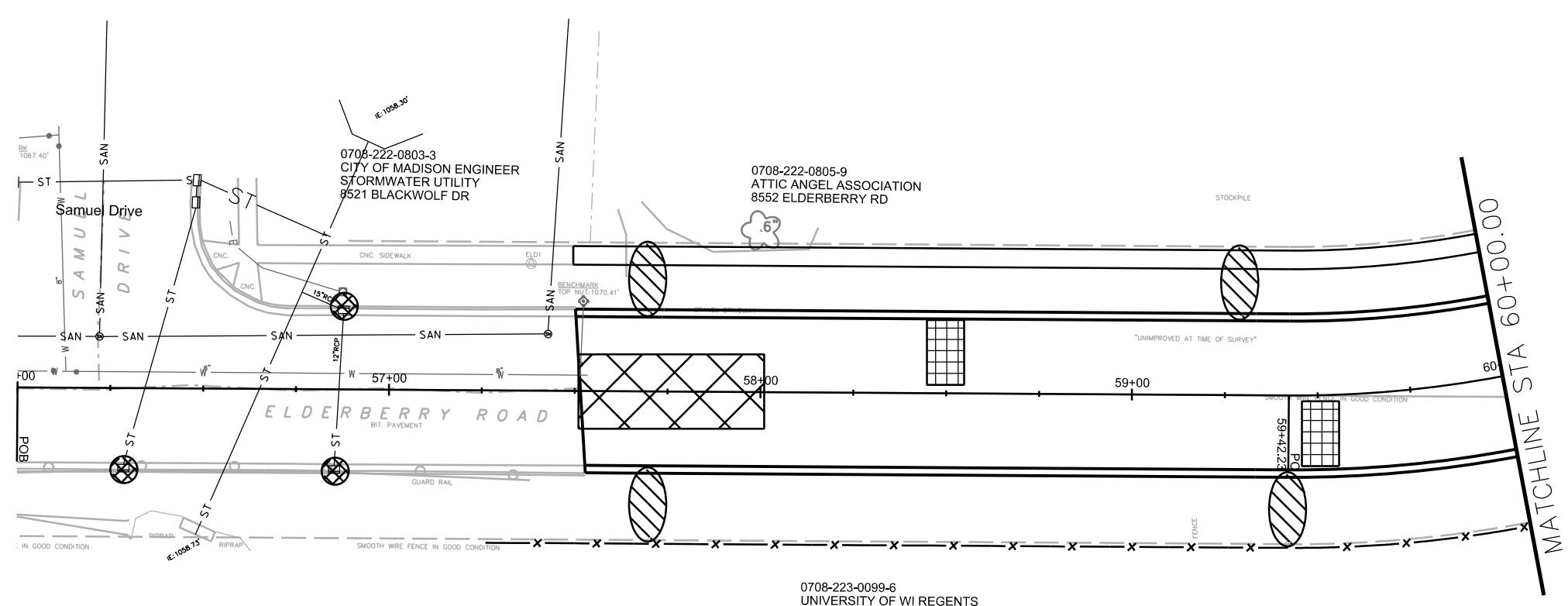
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

PROVISION OF AN EROSION CONTROL IMPLEMENTATION PLAN BY THE CONTRACTOR AT THE PRE-CON IS REQUIRED.

THE CONTRACTOR SHALL PROVIDE A CONSTRUCTION DEWATERING PLAN AS PART OF THE EROSION CONTROL IMPLEMENTATION PLAN.

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



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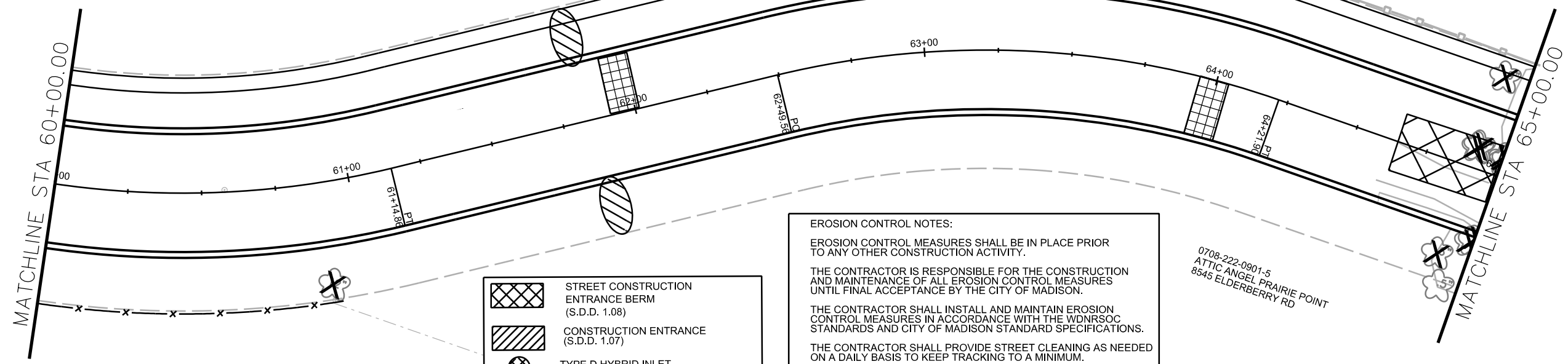
PLOT NAME: _____







REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0708-222-0804-1
CITY OF MADISON PARKS
JUNCTION RIDGE PARK
8544 ELDERBERRY RD

0708-222-0901-5
ATTIC ANGEL PRAIRIE POINT
8545 ELDERBERRY RD



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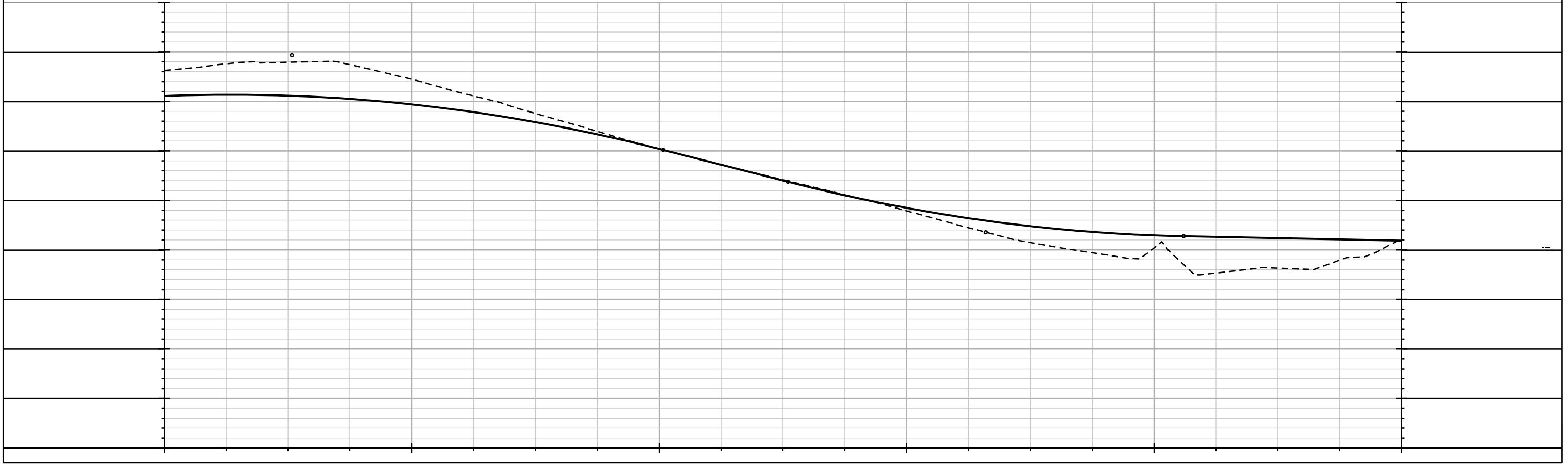
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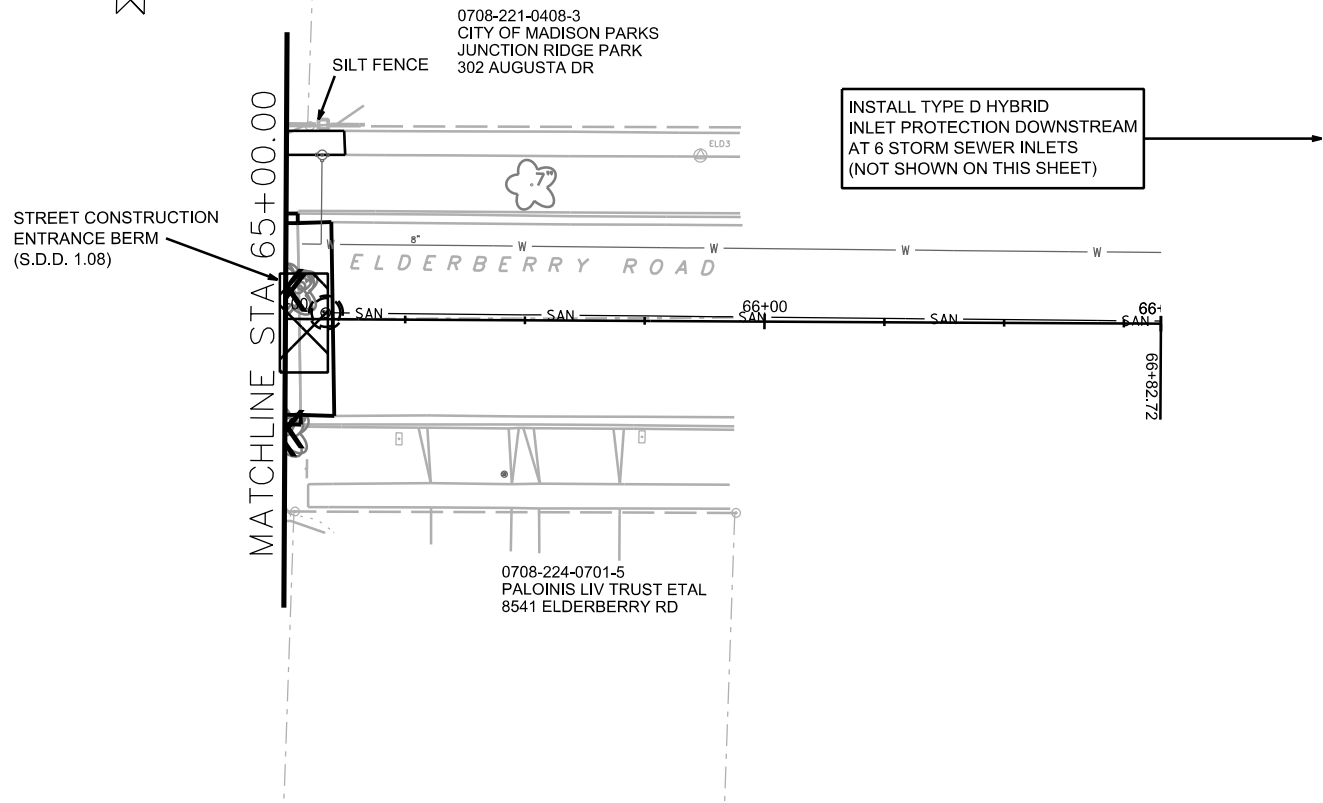


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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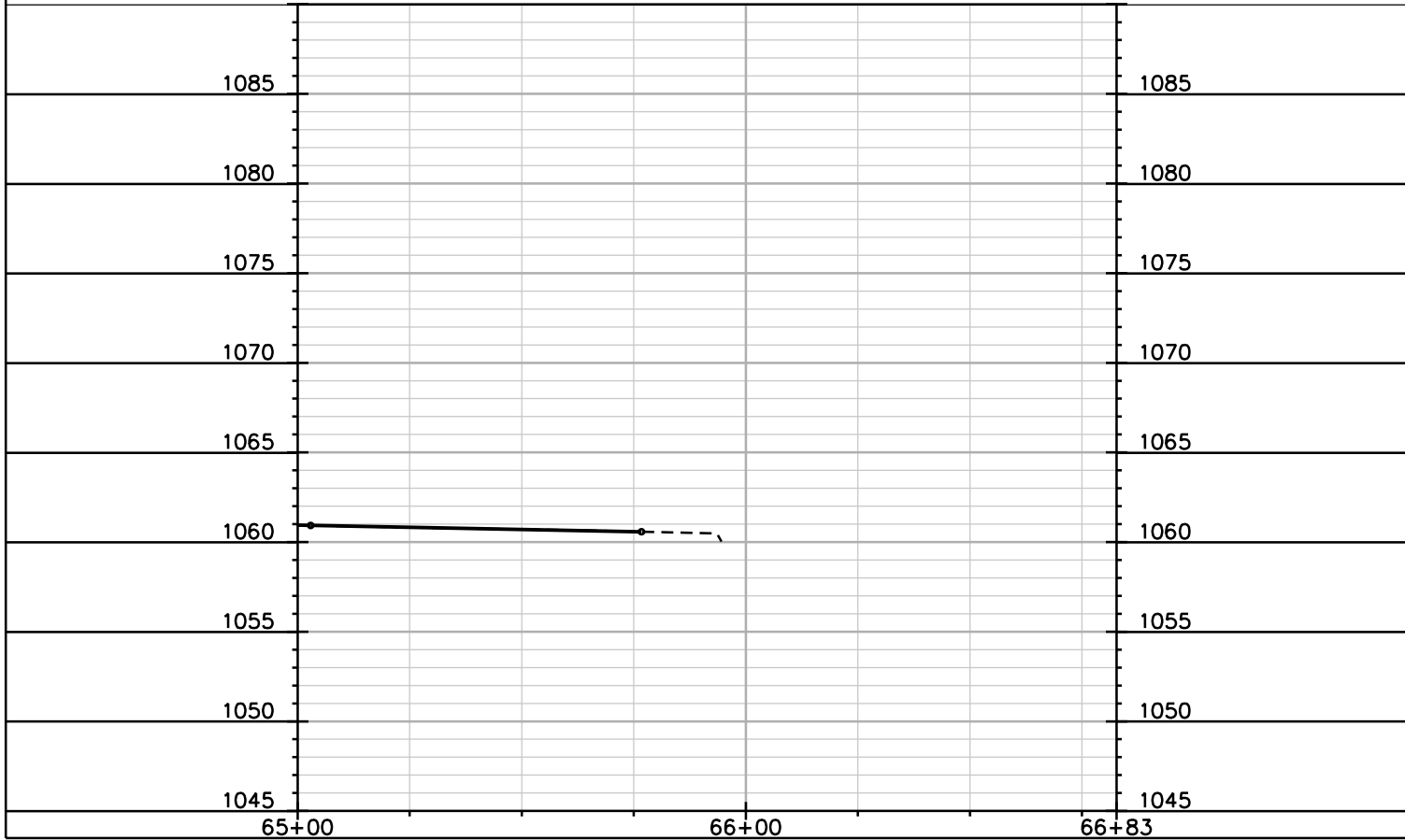
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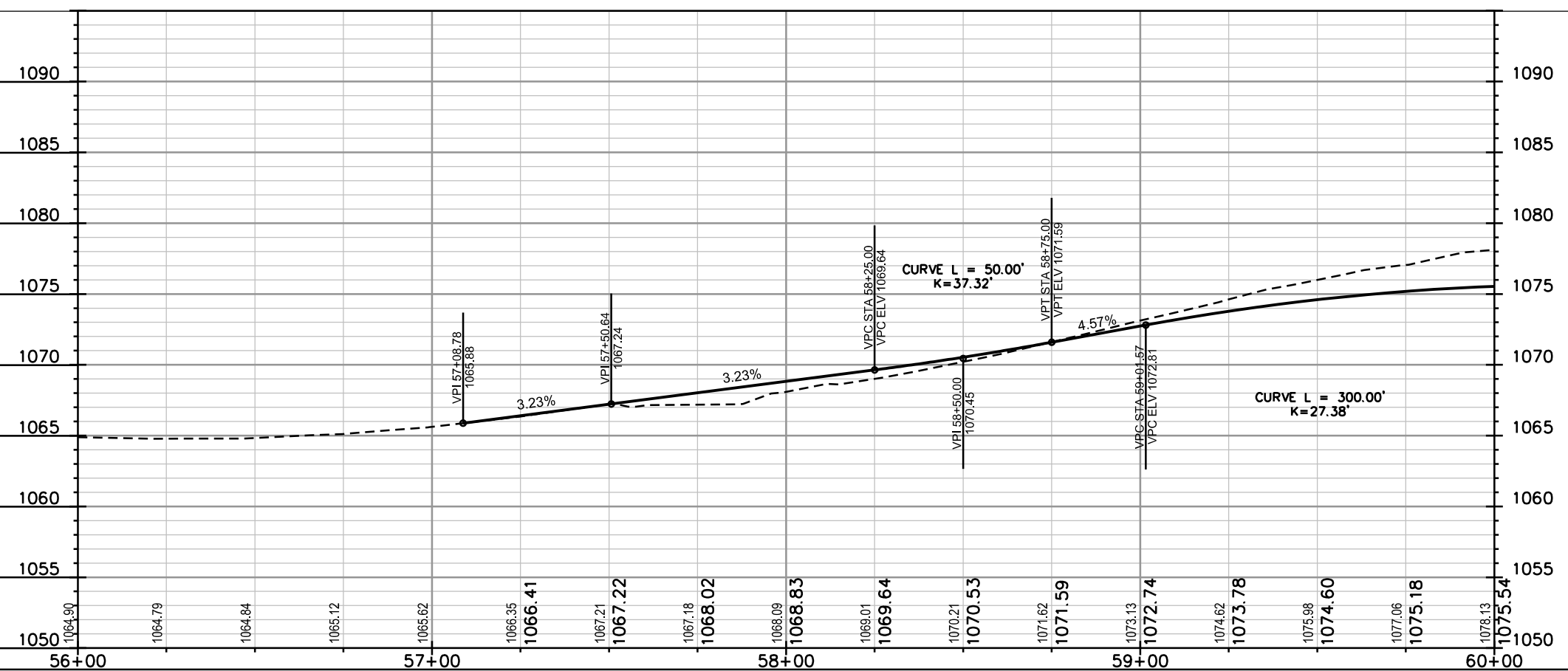
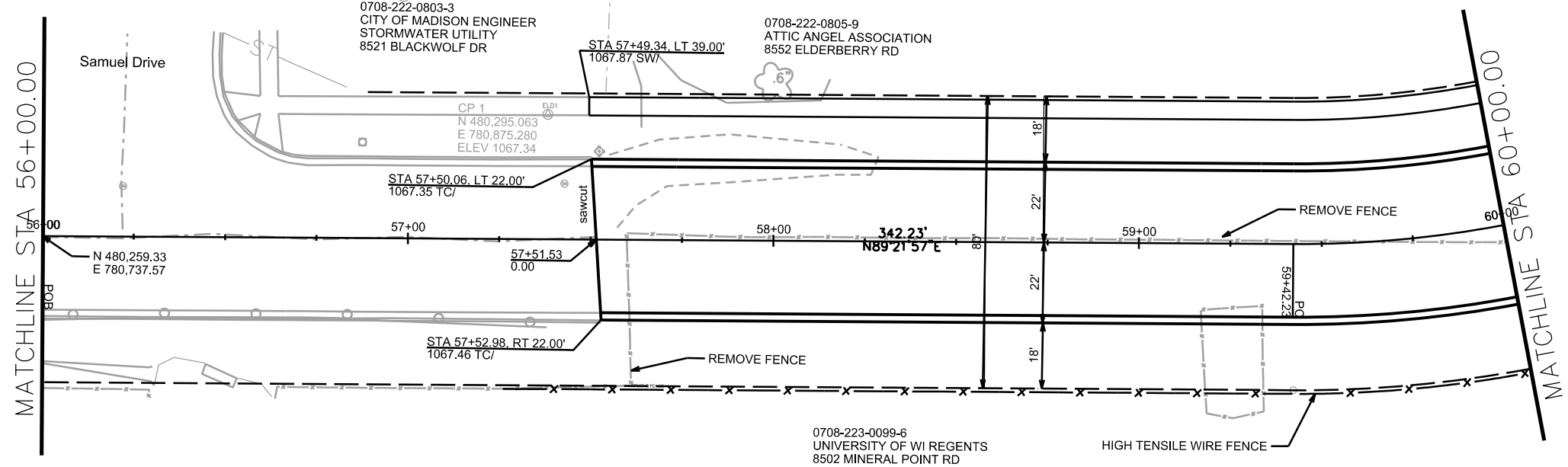
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION





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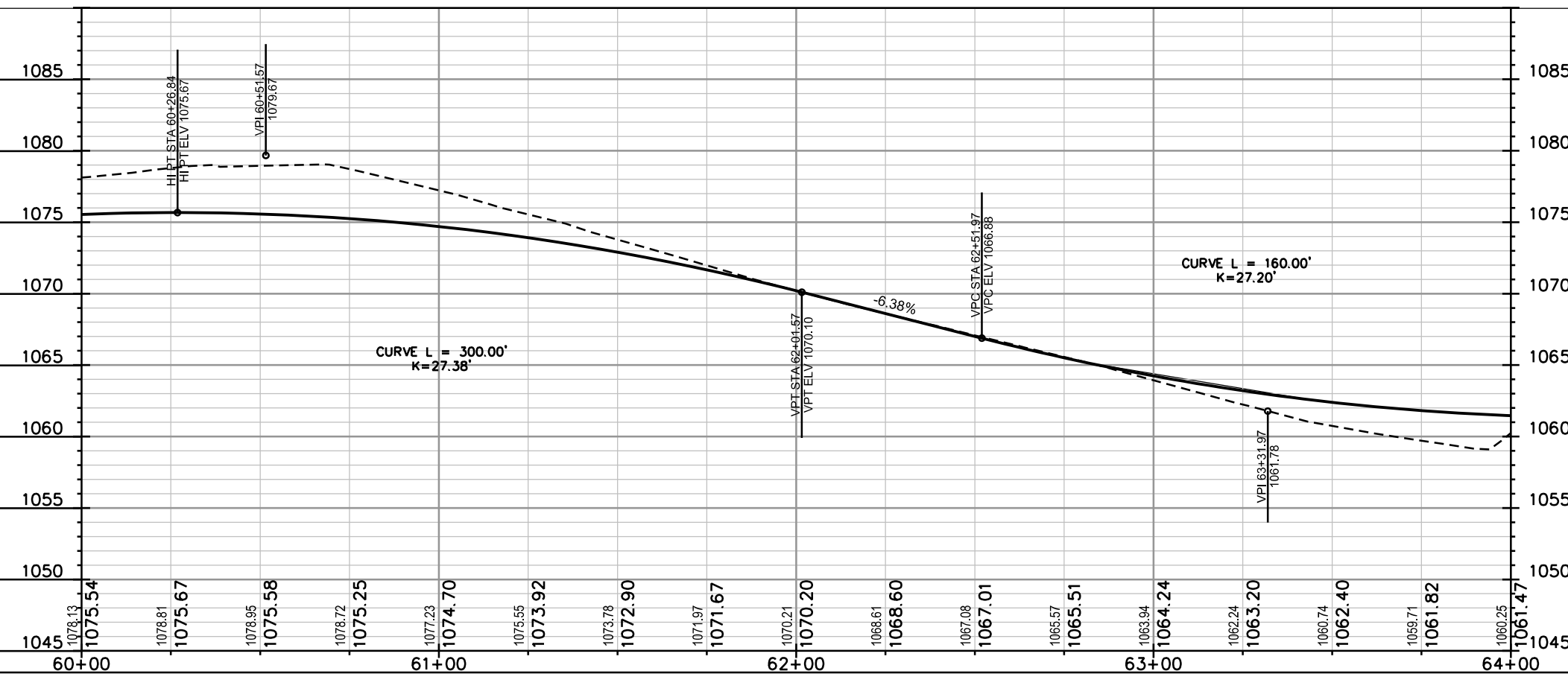
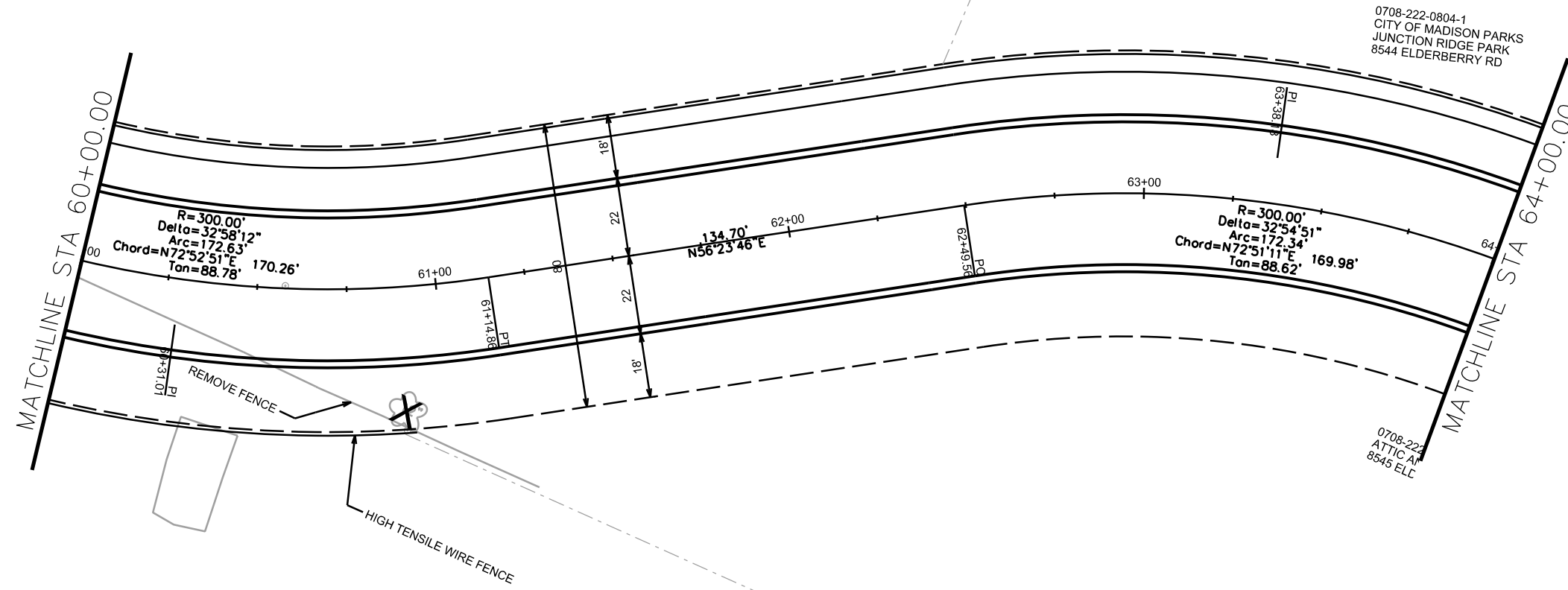
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

ELDERBERRY RD

CITY OF MADISON

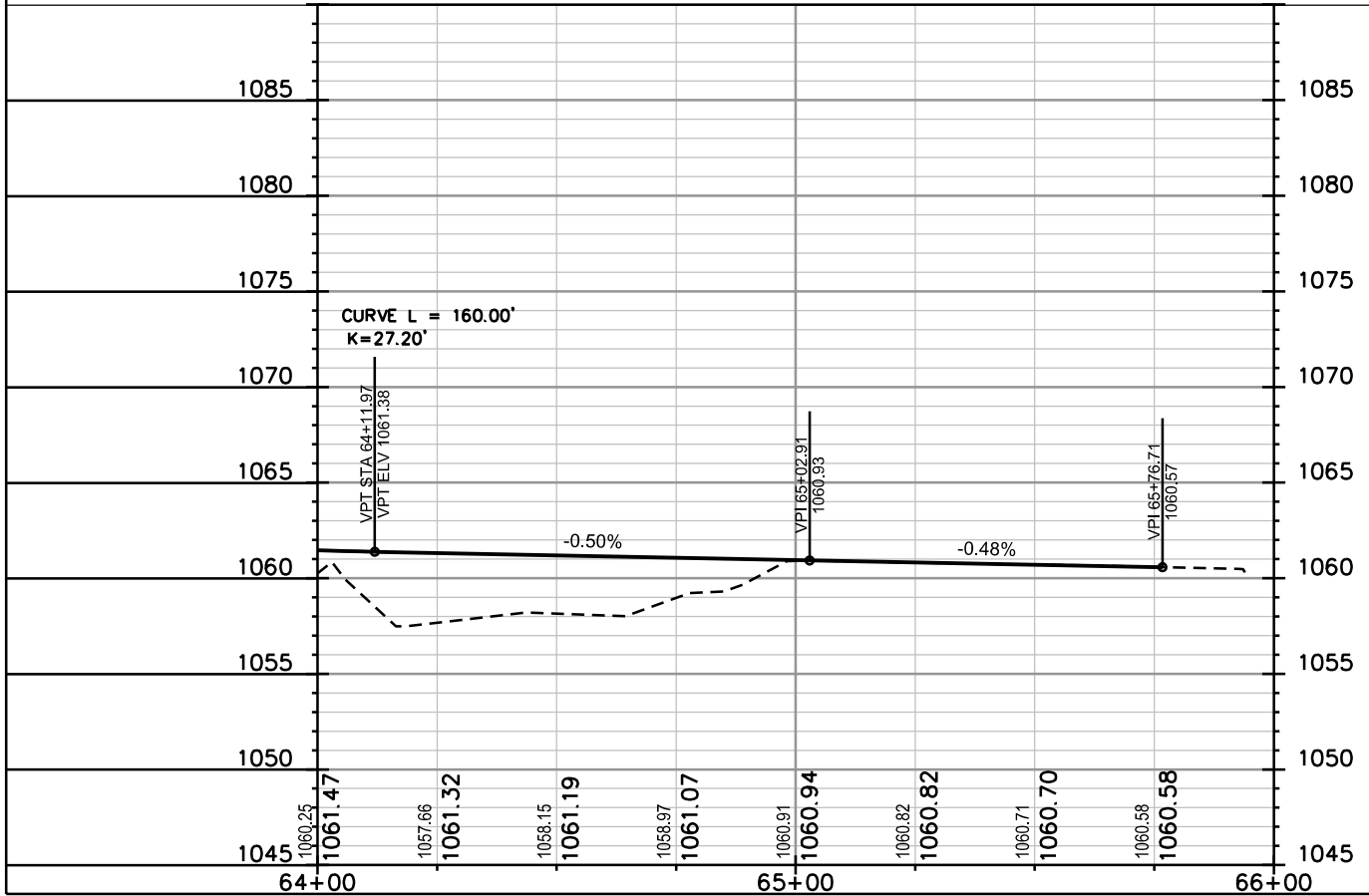
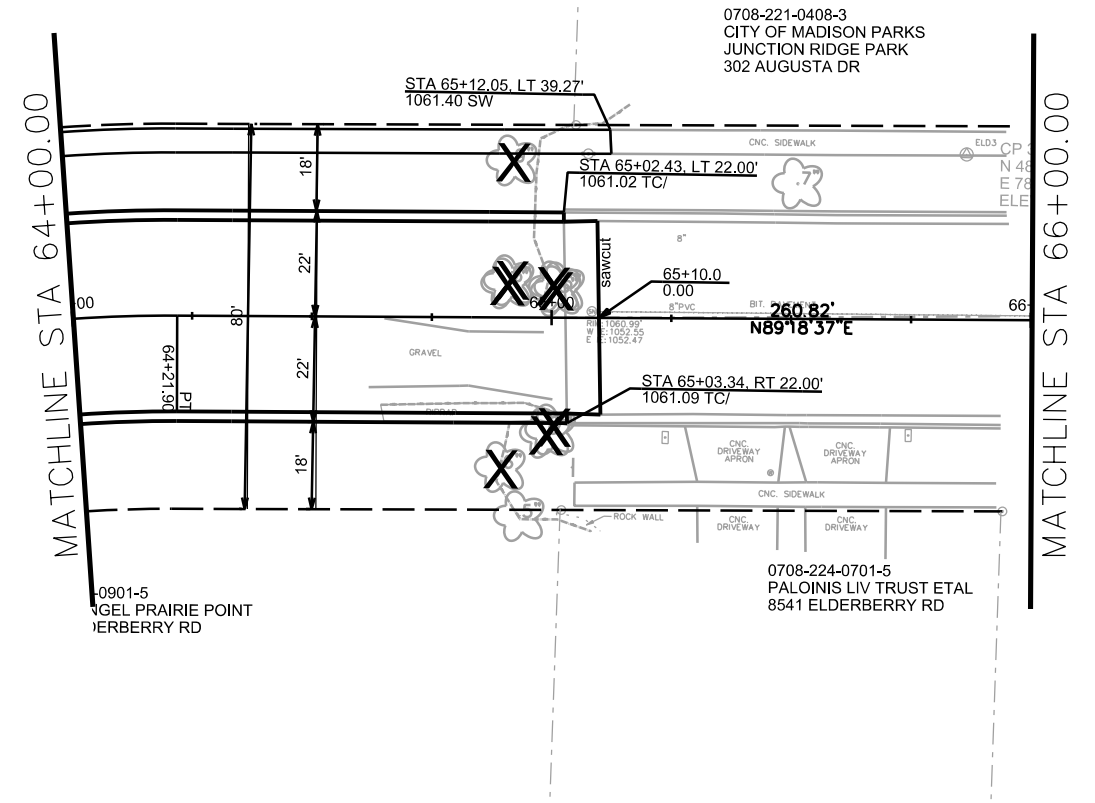


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

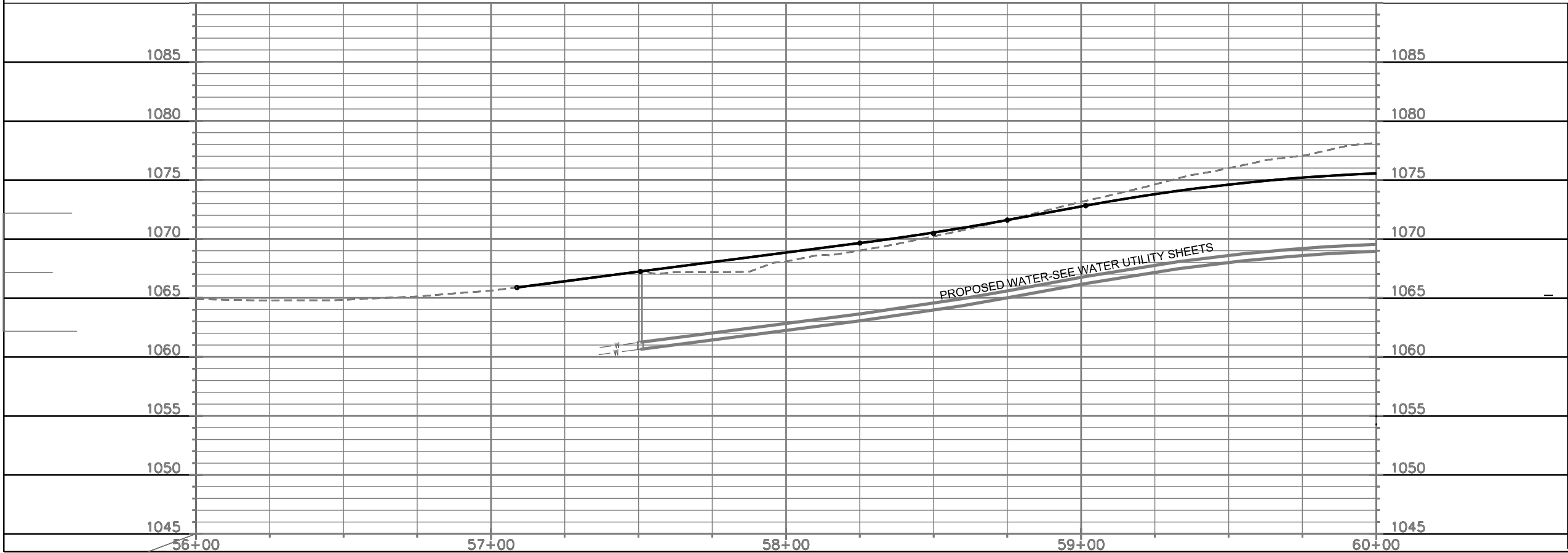
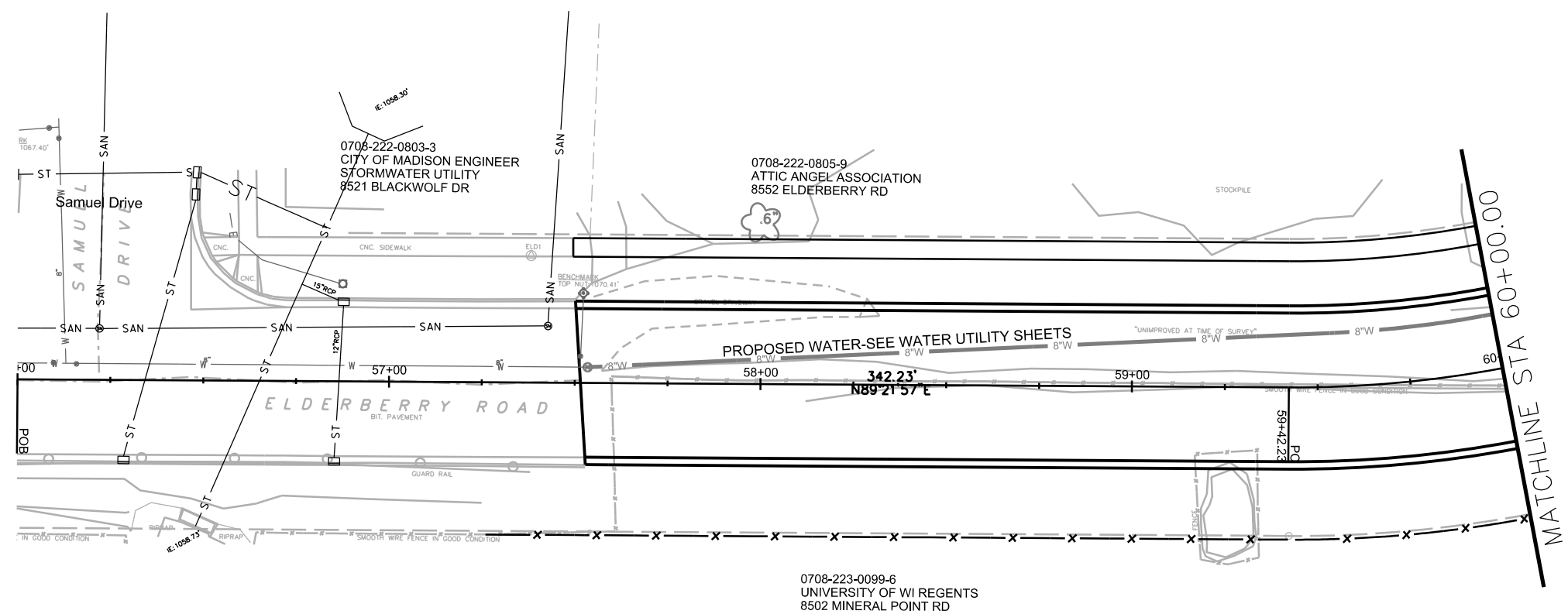


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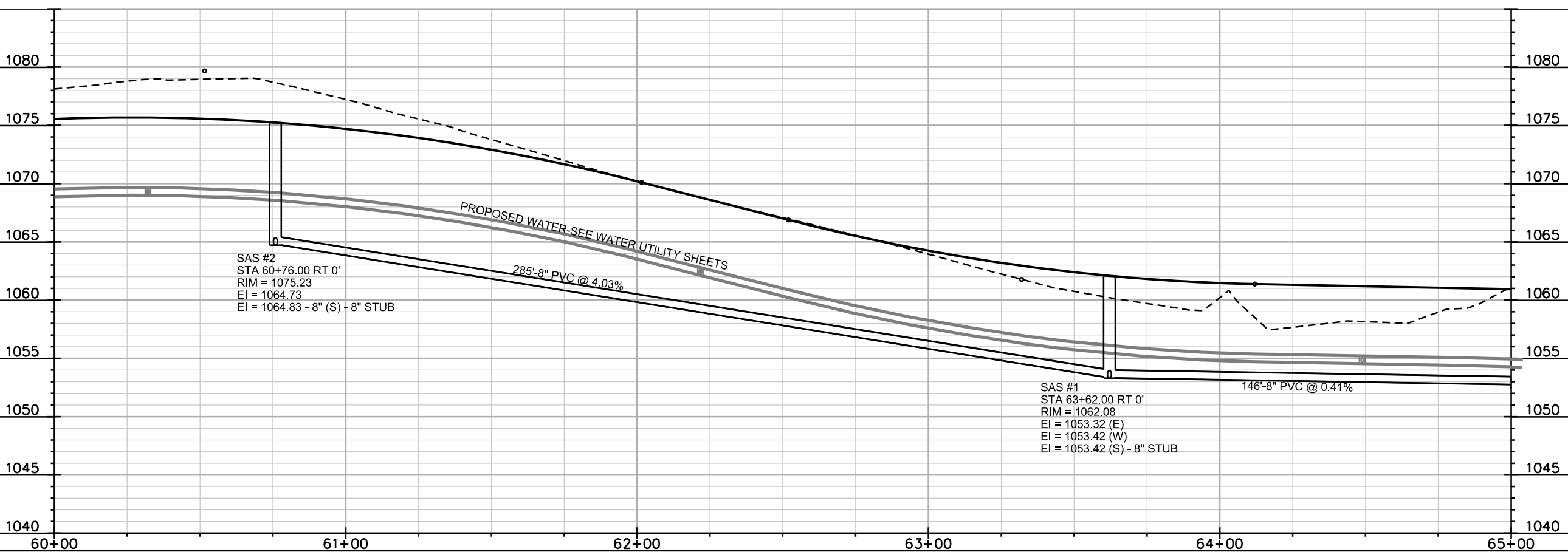
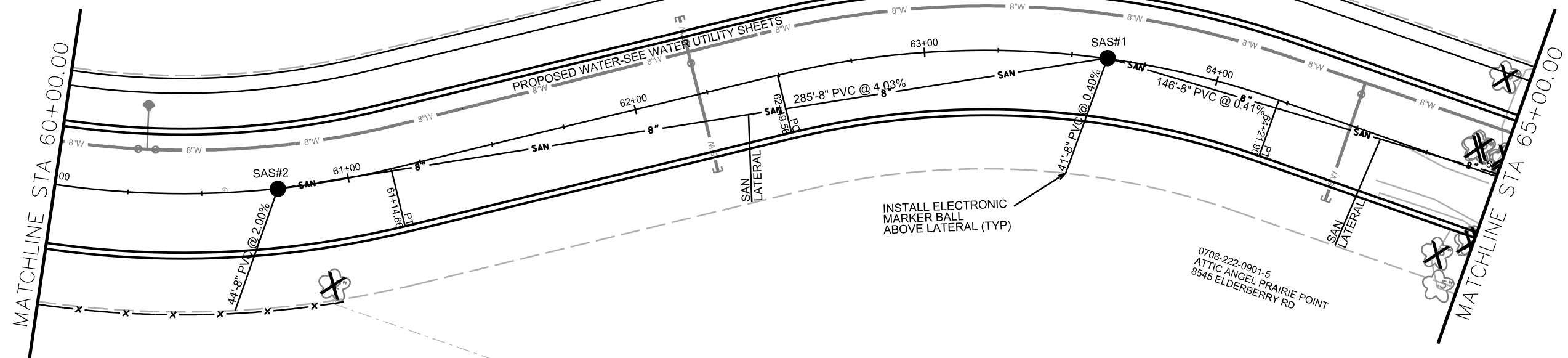
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0708-222-0804-1
 CITY OF MADISON PARKS
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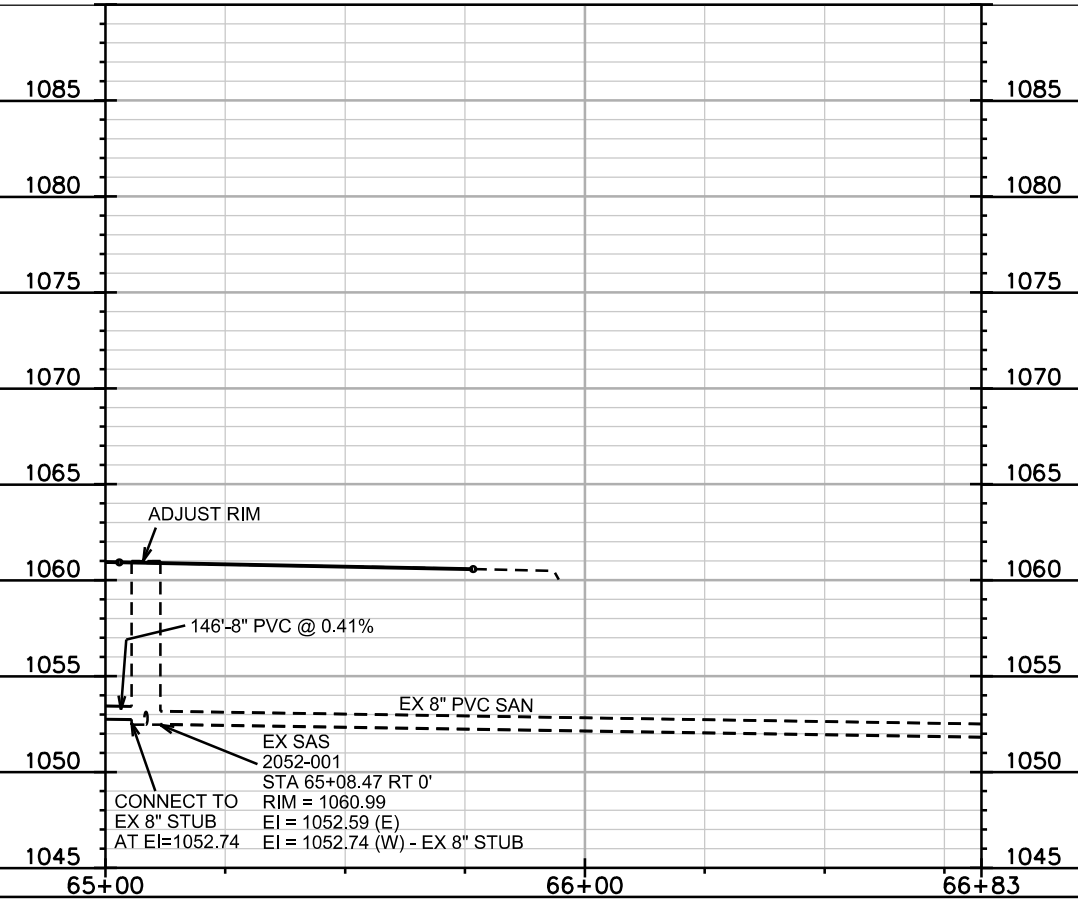
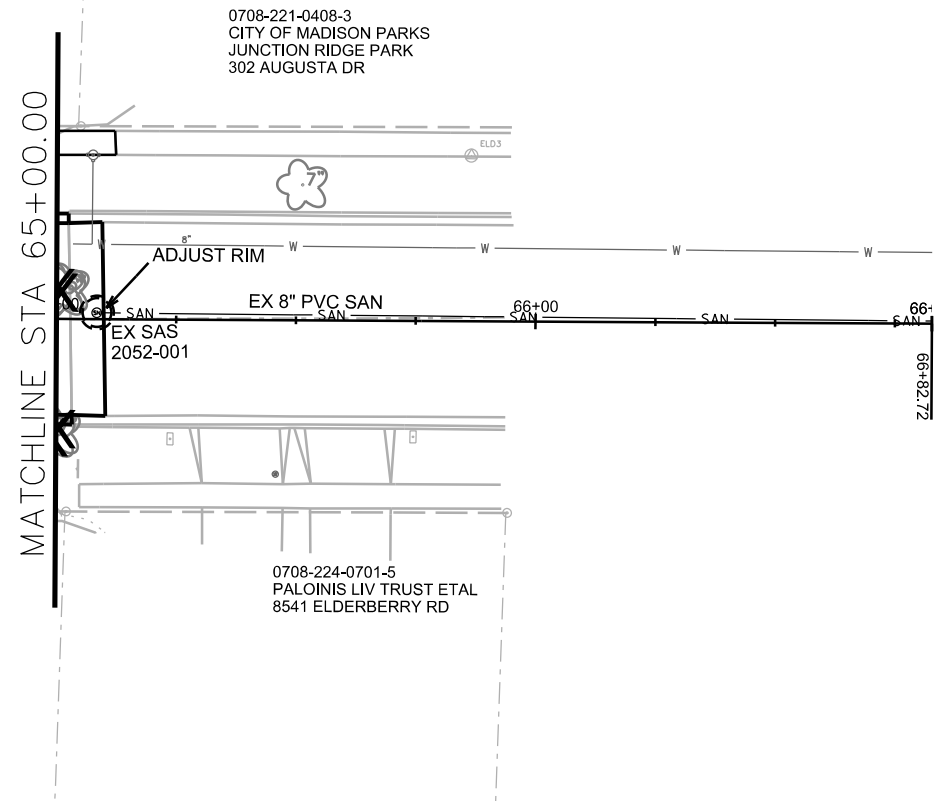


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SCHEDULE

ELDERBERRY RD ASSMT DIST - 2013
PROJECT NO. 53W1338

SHEET NO.
U-4

ELDERBERRY RD
SANITARY SEWER SCHEDULE CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS#1	63+62.00	CL	1062.08	1053.32	8.76	-
SAS#2	60+76.00	CL	1075.23	1064.73	10.50	-

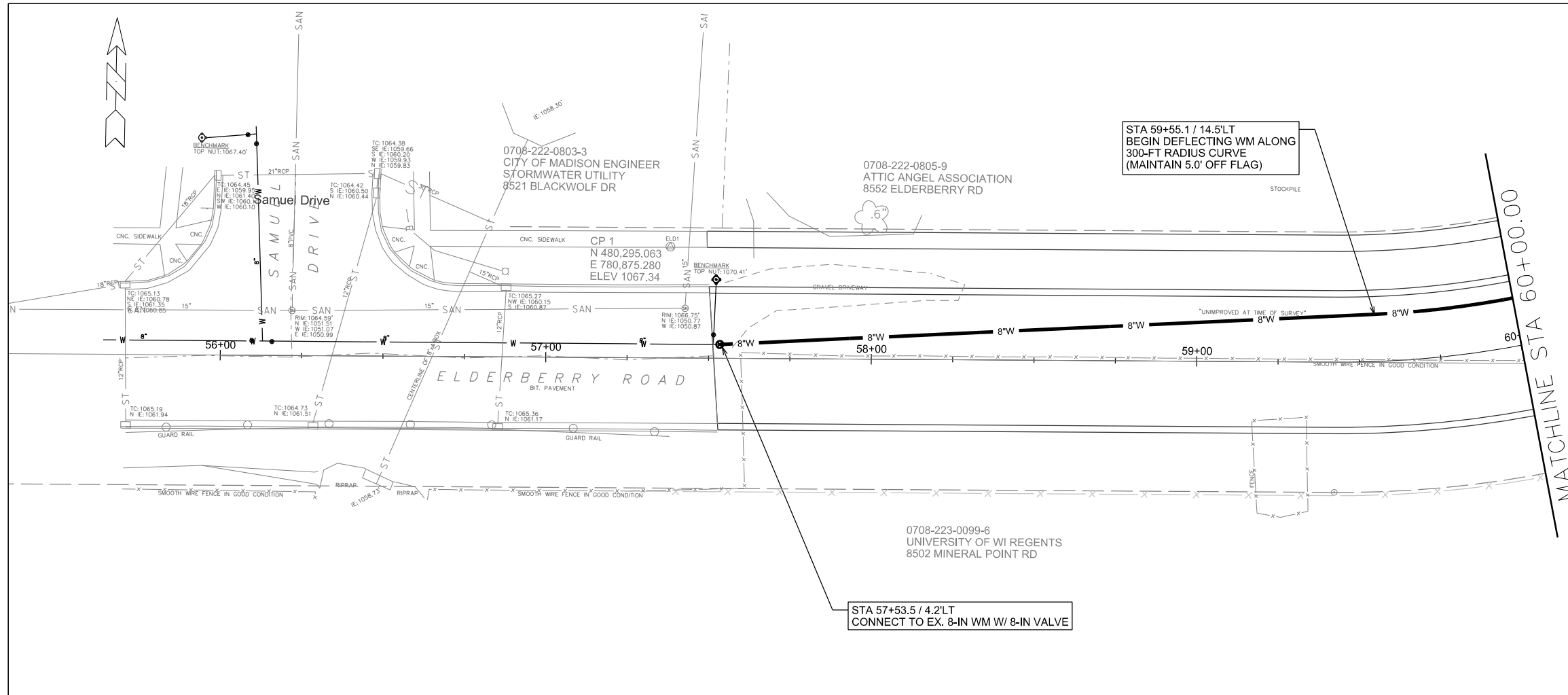
PROPOSED SANITARY PIPES

FROM SAS (DWNSTRM)	TO SAS (UPSTREAM)	EI # (DWNSTRM)	EI # (UPSTRM)	LENGTH (FT)	SLOPE (%)	SIZE (DIA)	PVC TYPE	NOTES
EX SAS SAS#1	SAS#1	1052.74	1053.32	146	0.41%	8"	SDR-35	-
SAS#1	SAS#2	1053.42	1064.73	285	4.03%	8"	SDR-35	-

ADJUST SANITARY STRUCTURE

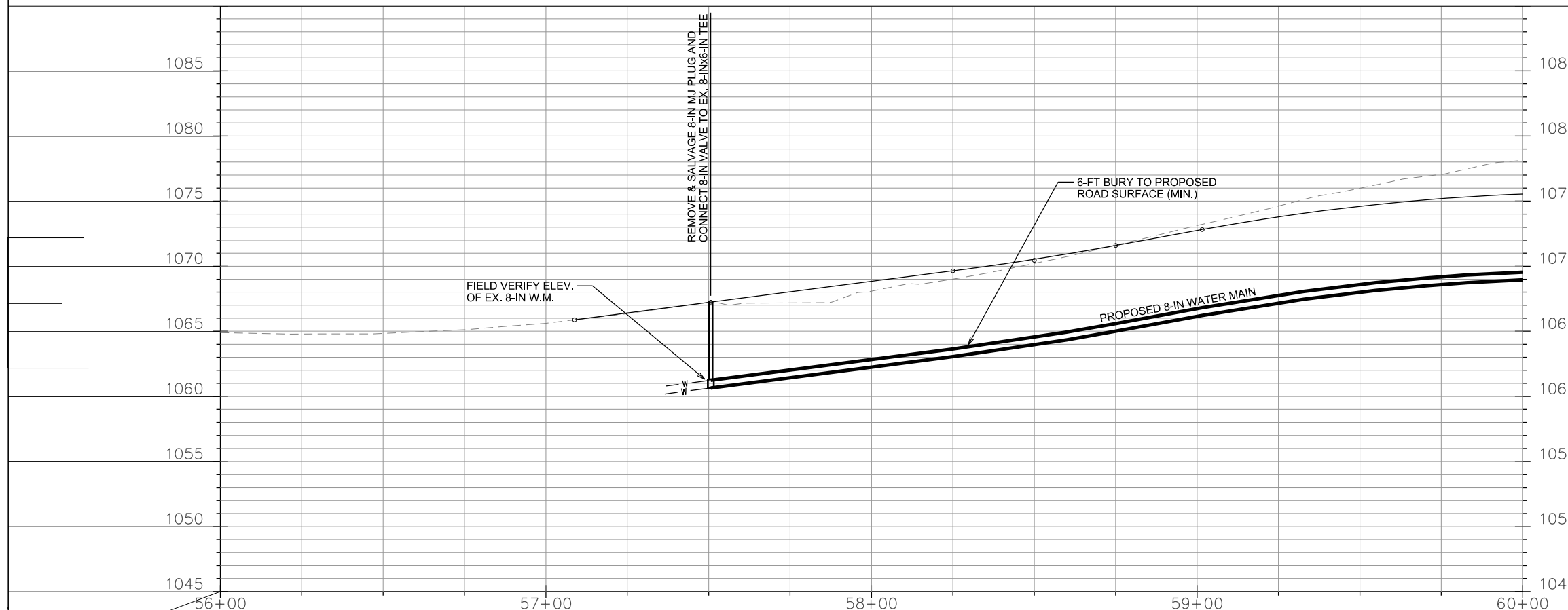
STRUC. ID NO.	STATION	LOCATION (OFFSET)	EXISTING RIM	PROPOSED RIM	EX ADJ. HEIGHT (FT)
SAS 2052-001	65+08.47	CL	1060.99	1060.90	0.33

PLOT SCALE: ---
 PLOT NAME: ---
 REV. DATE: ---



STA 59+55.1 / 14.5'LT
BEGIN DEFLECTING WM ALONG
300-FT RADIUS CURVE
(MAINTAIN 5.0' OFF FLAG)

STA 57+53.5 / 4.2'LT
CONNECT TO EX. 8-IN WM W/ 8-IN VALVE



PLOT SCALE: _____

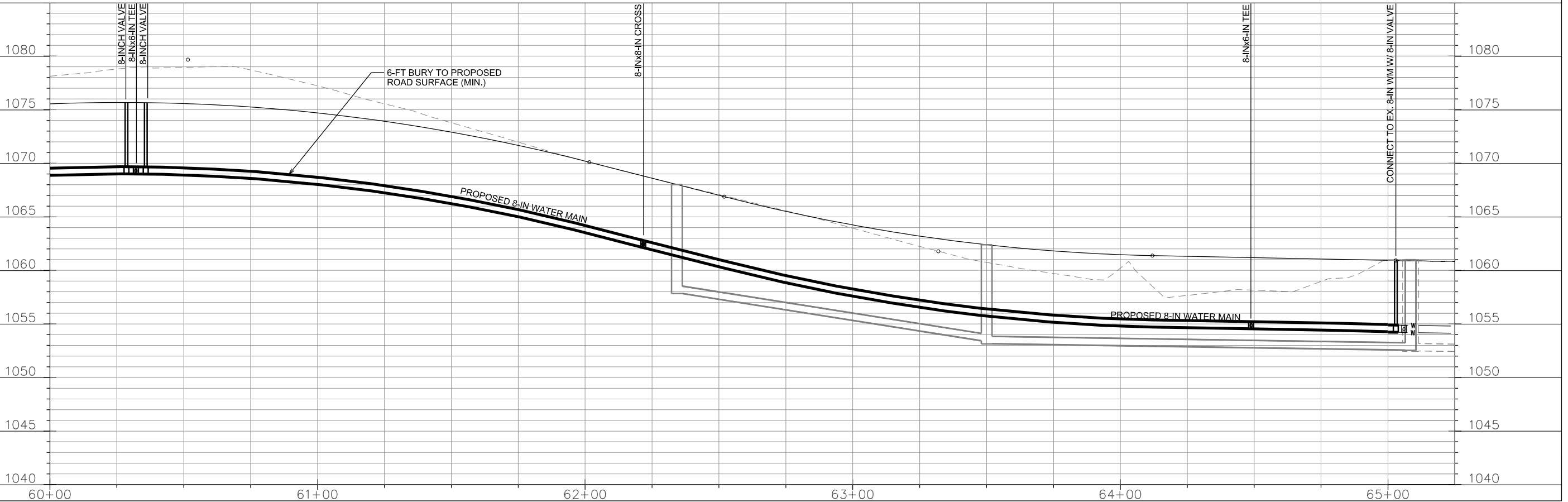
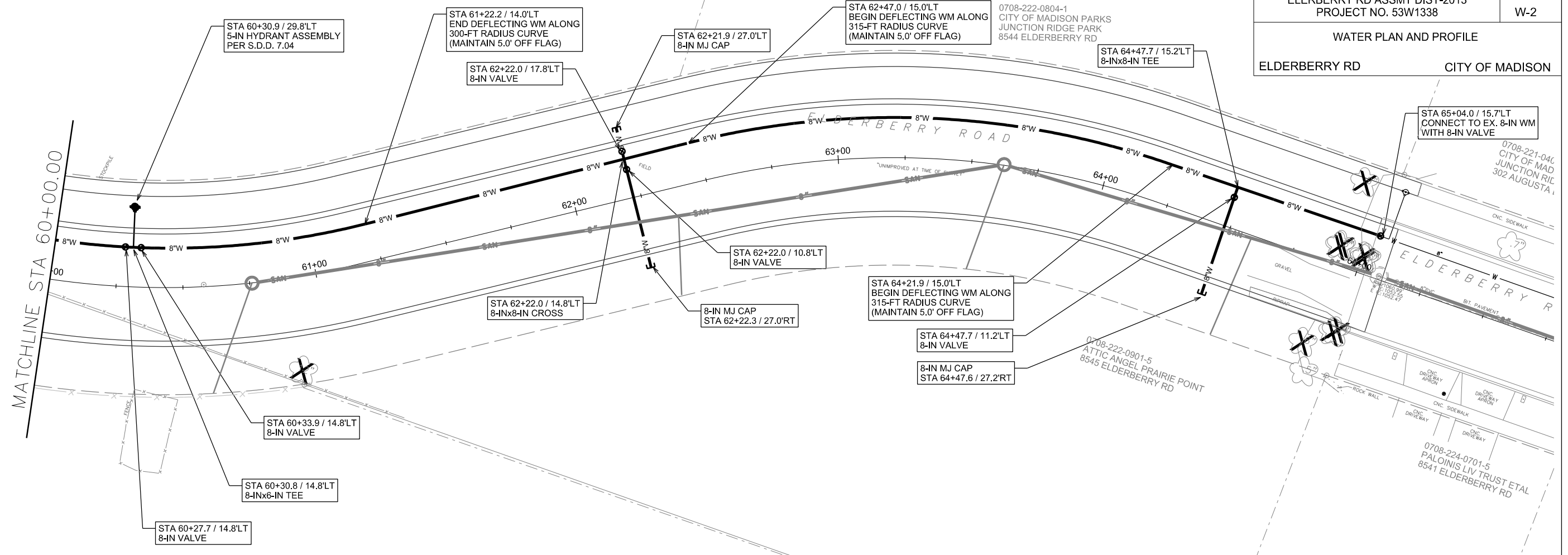
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WATER PLAN AND PROFILE

ELDERBERRY RD CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

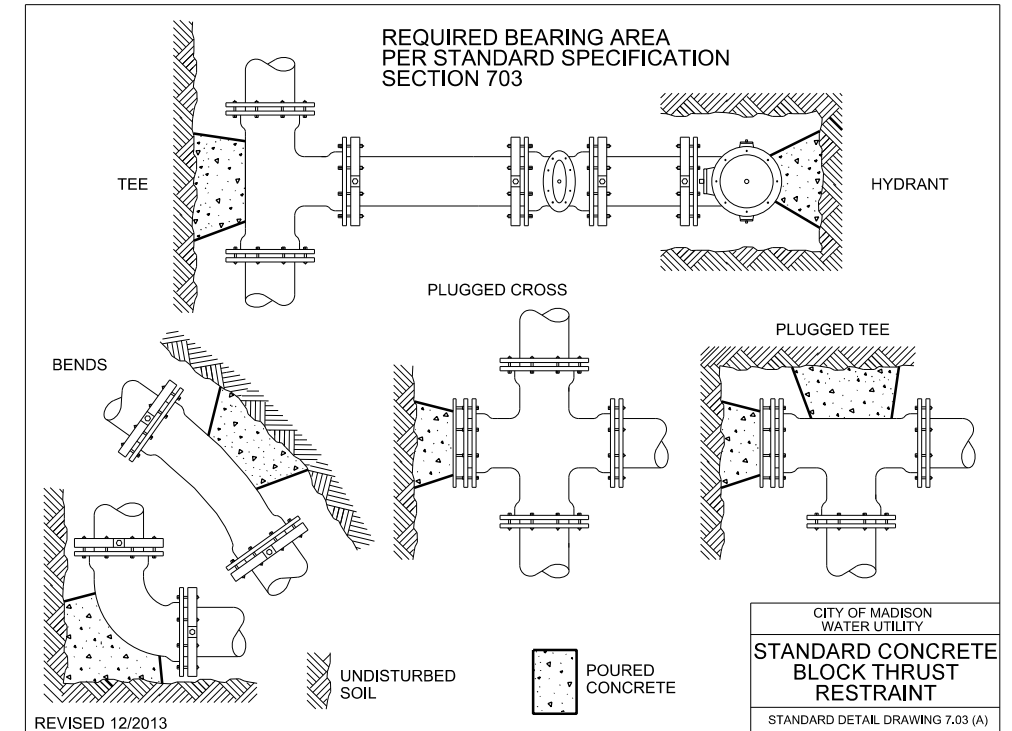
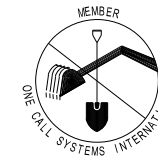
1. CONSTRUCT NEW WATER MAIN 6.0' BELOW FINISHED GRADE, UNLESS OTHERWISE NOTED. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY ENGINEER AS HAVING INADEQUATE COVER.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISTRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. EXISTING WATER MAIN SHALL REMAIN IN SERVICE UNTIL NEW WATER MAIN IS TESTED AND ACCEPTED BY MADISON WATER UTILITY AND ALL SERVICES ARE RECONNECTED.
5. 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

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

CALL DIGGERS HOTLINE
TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

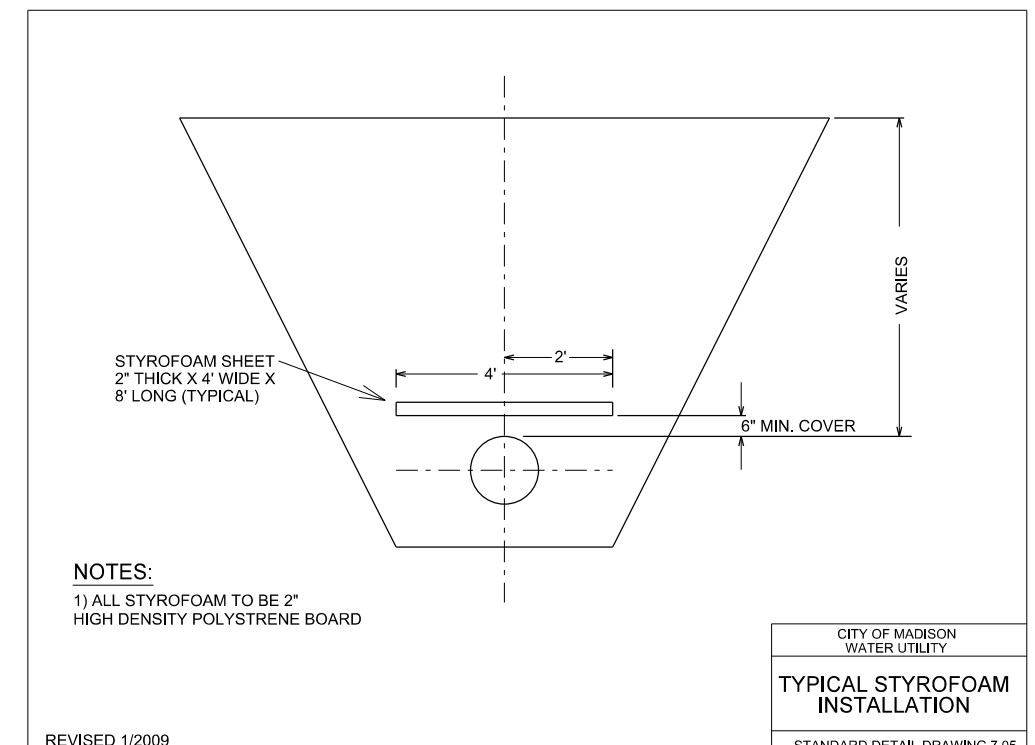
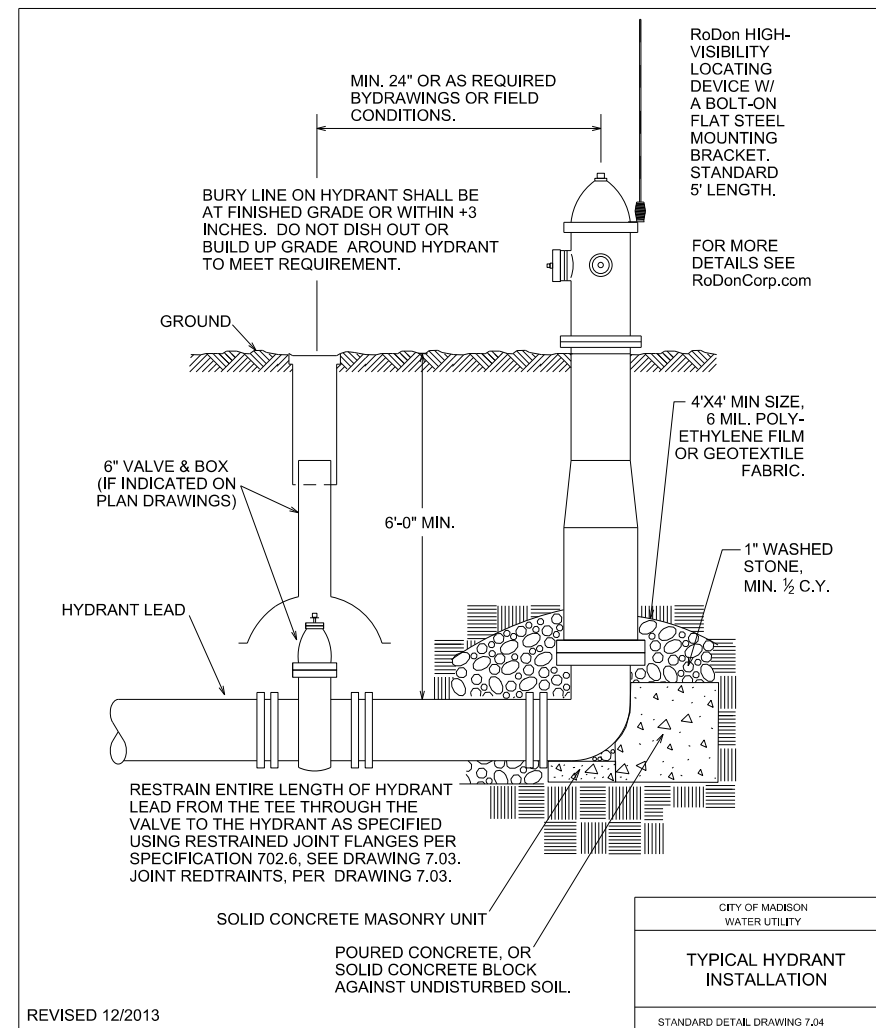
- 10-FT - 6-IN PIPE
- 870-FT - 8-IN PIPE
- 1,000-FT - POLYWRAP STYROFOAM INSULATION AS NEEDED
- 7 - 8-IN VALVES & BOXES BOX EXTENSIONS AS REQ'D (EXTENSIONS ARE INCIDENTAL)
- 1 - 5-IN HYDRANT ASSEMBLY HYDRANT EXTENSIONS AS REQ'D (EXTENSIONS ARE INCIDENTAL)
- 3 - 8-IN MJ CAPS
- 1 - 12-IN X 10-IN REDUCER
- 1 - 8-IN X 6-IN TEE
- 2 - 8-IN X 8-IN TEES
- 1 - 8-IN X 8-IN CROSS

MATERIALS SUPPLIED BY CITY:

NONE

REUSED MATERIALS

NONE



CROSS SECTIONS

ELDERBERRY RD

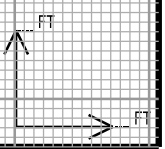
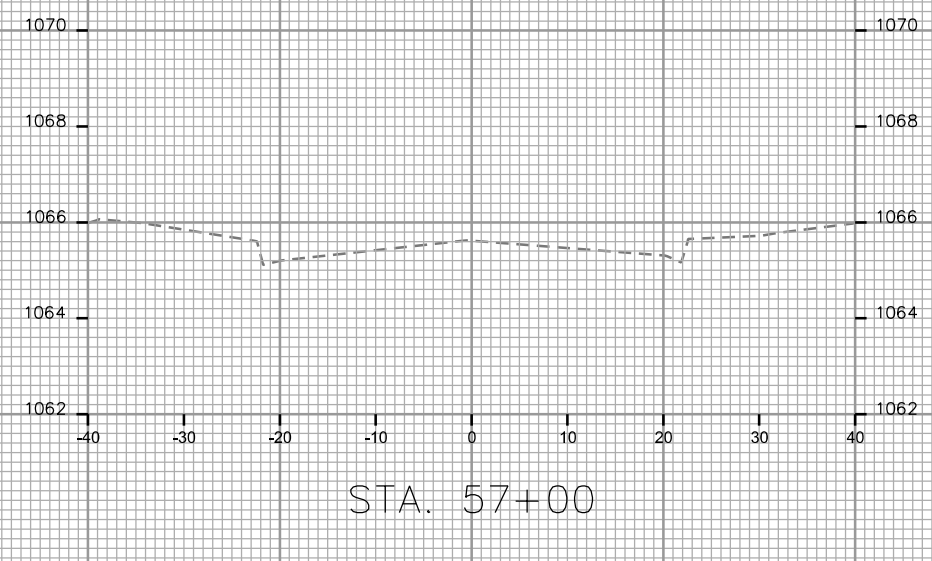
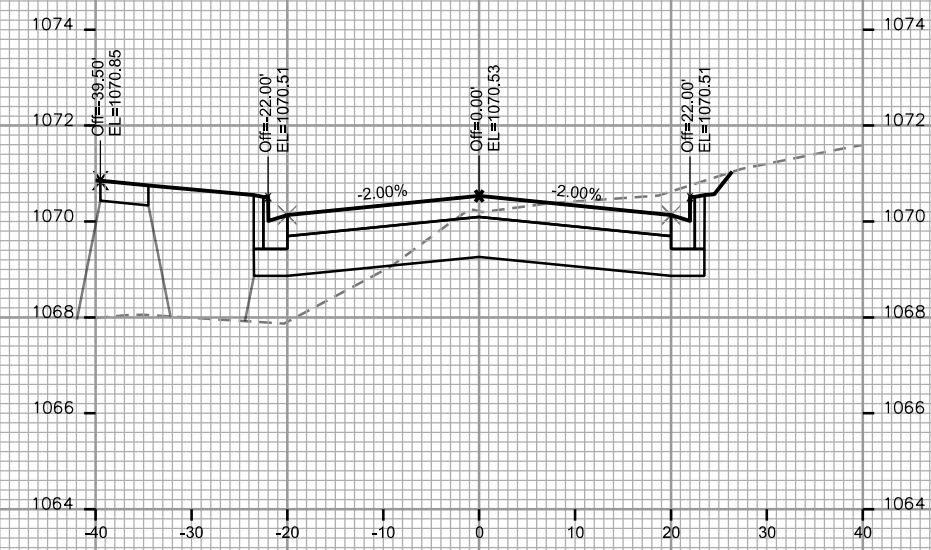
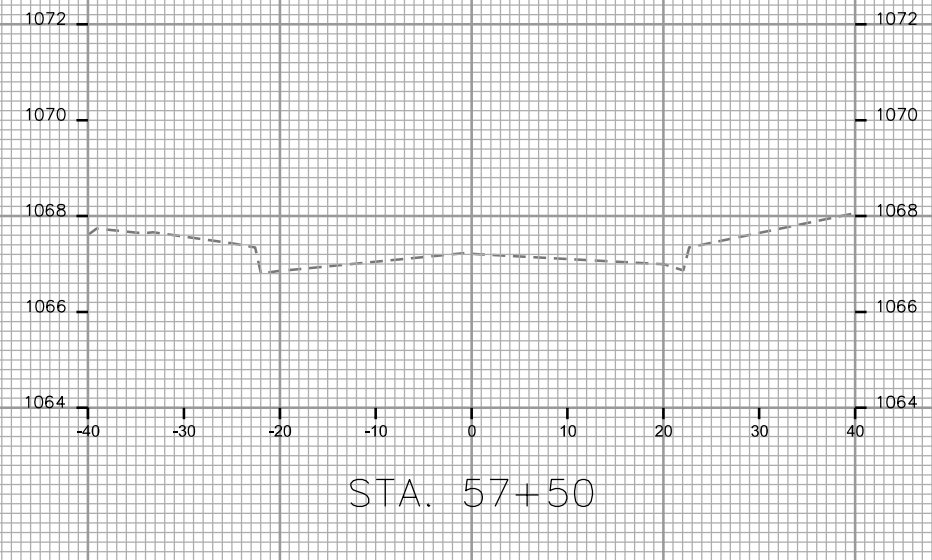
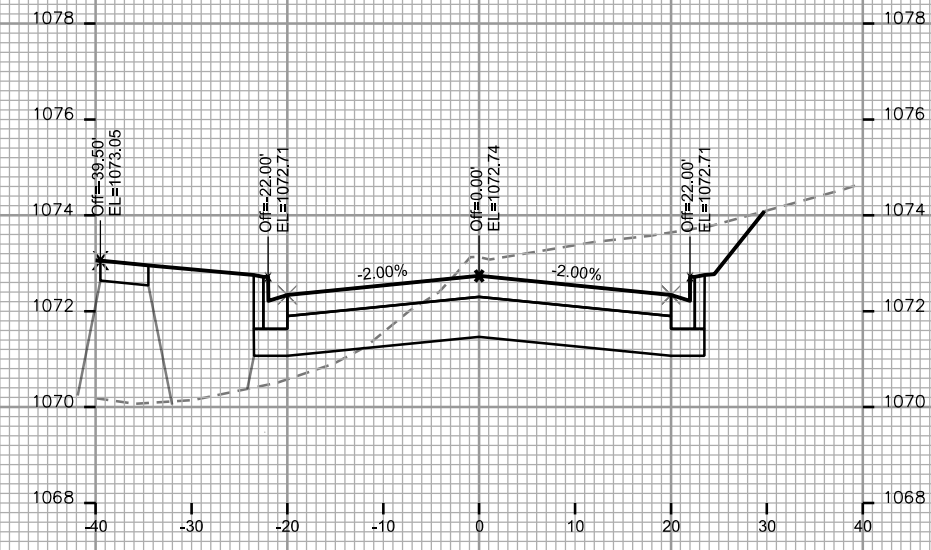
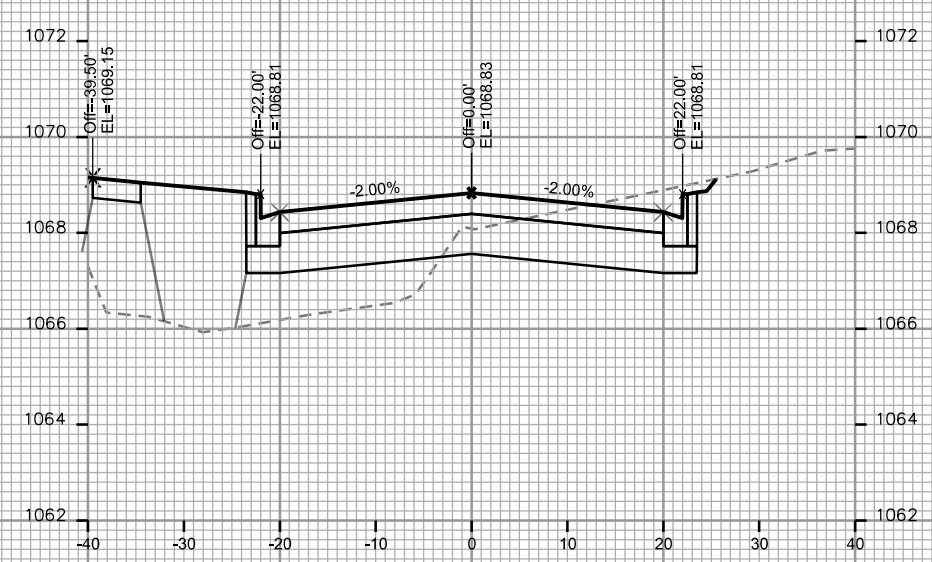
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

ELDERBERRY RD

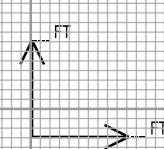
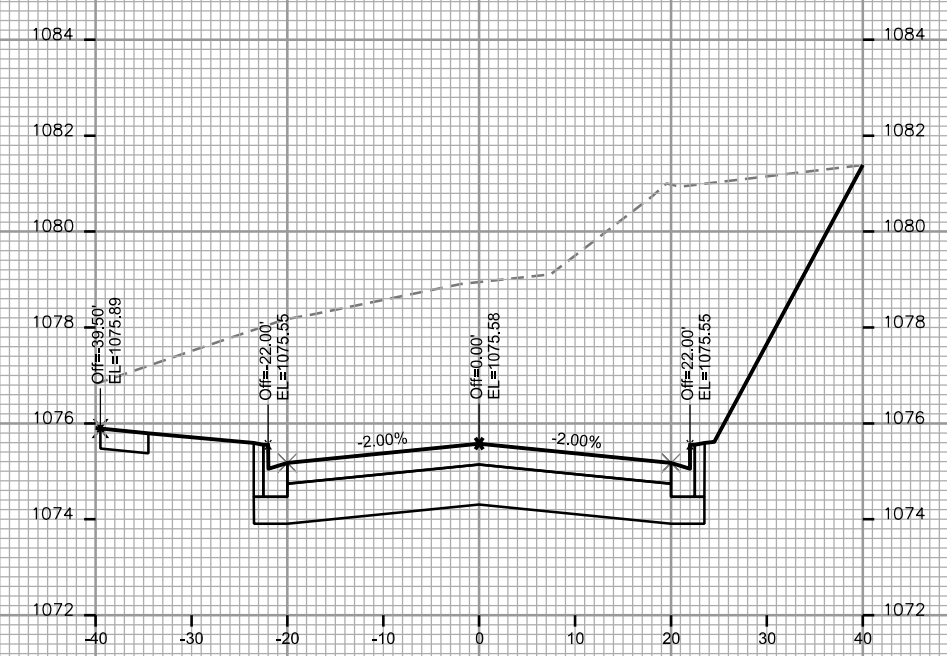
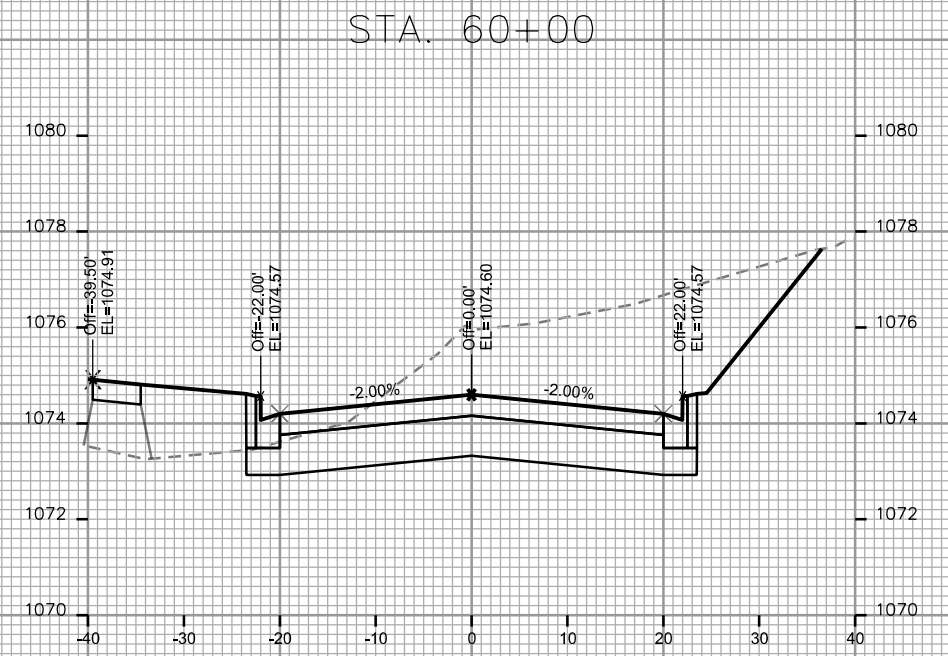
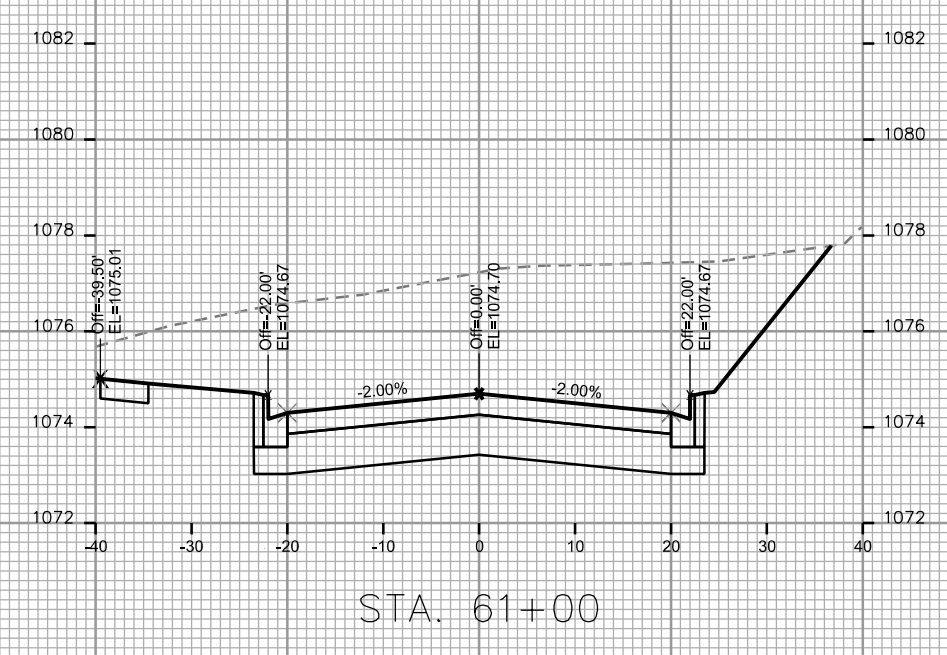
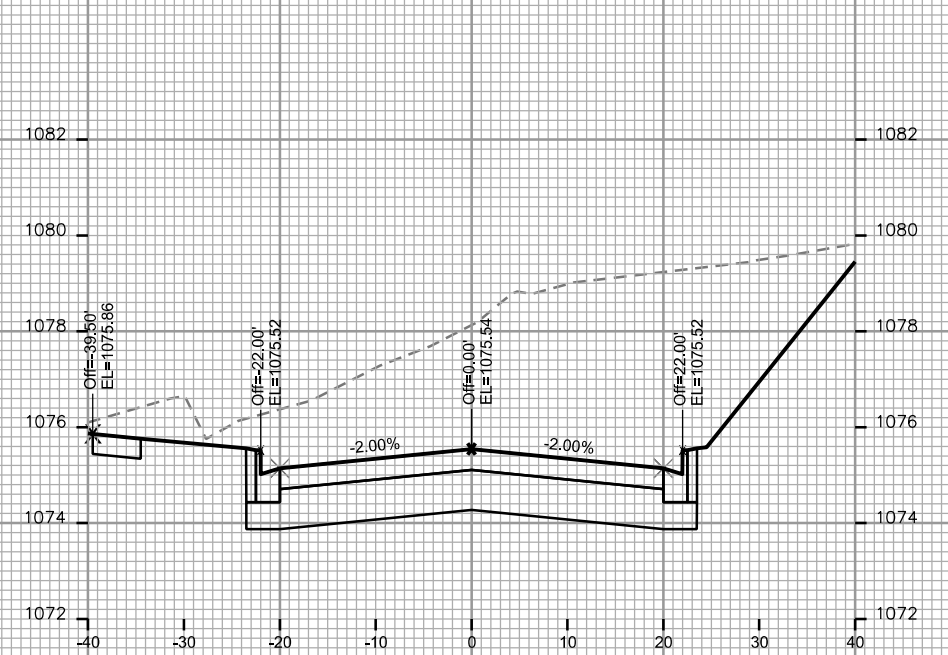
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ORIGINATOR: CITY OF MADISON - STREETS DIVISION



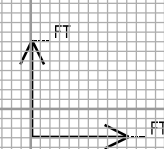
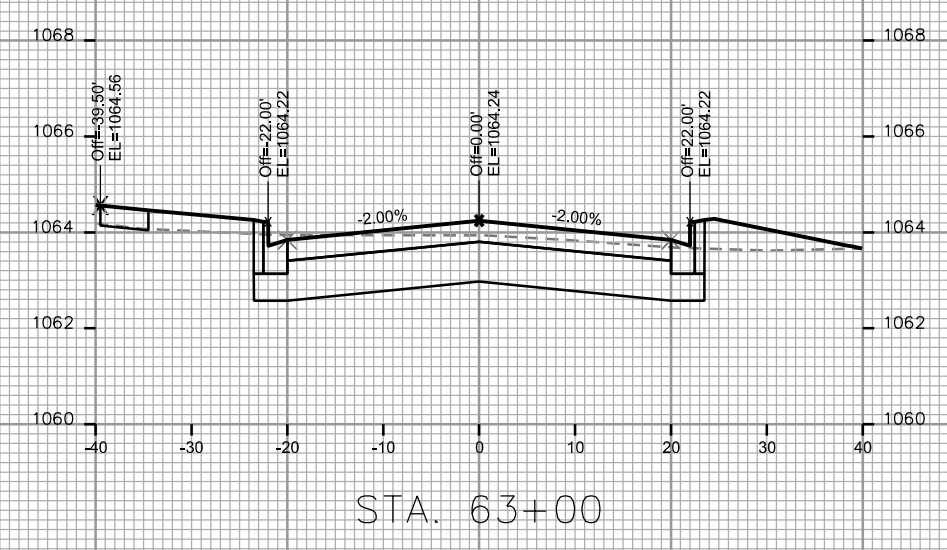
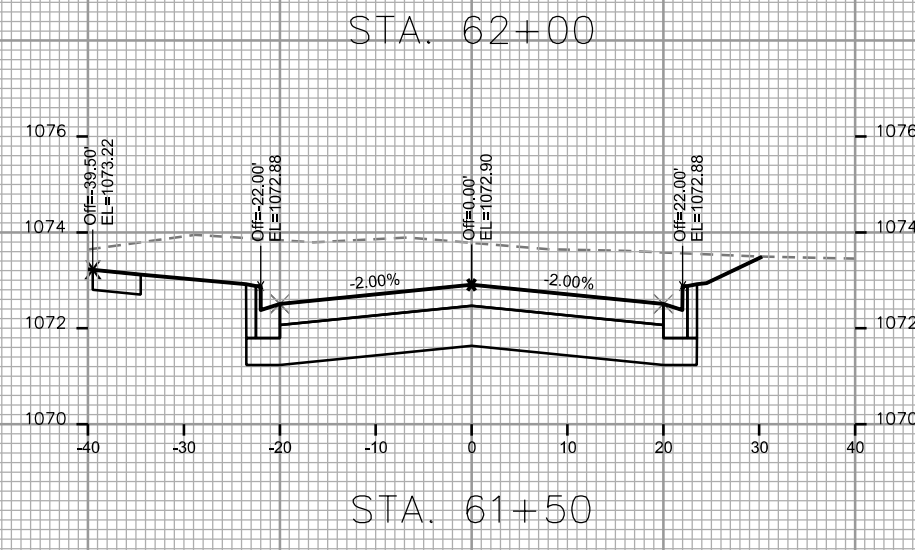
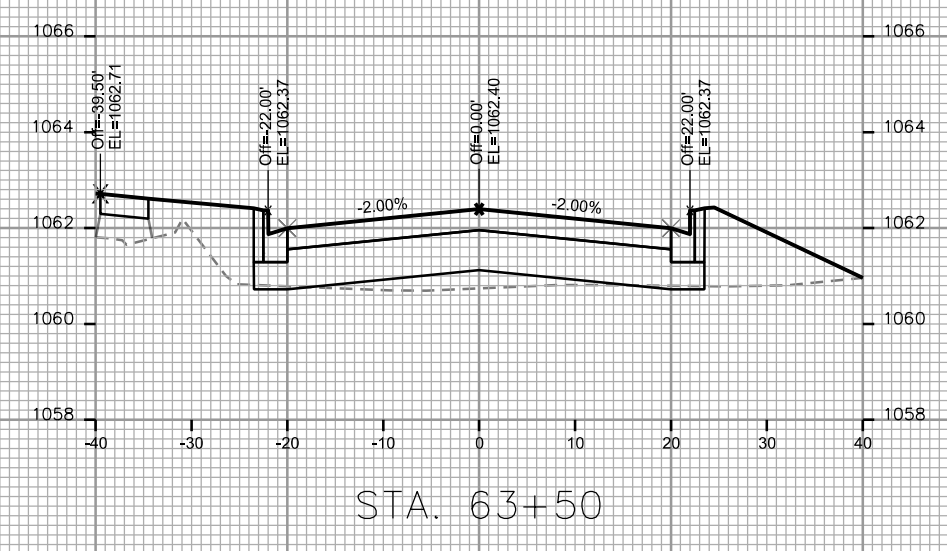
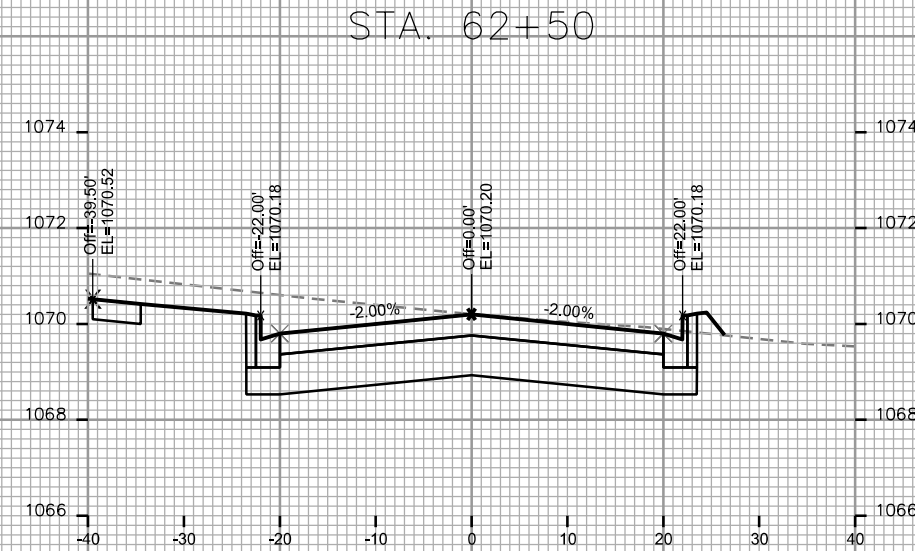
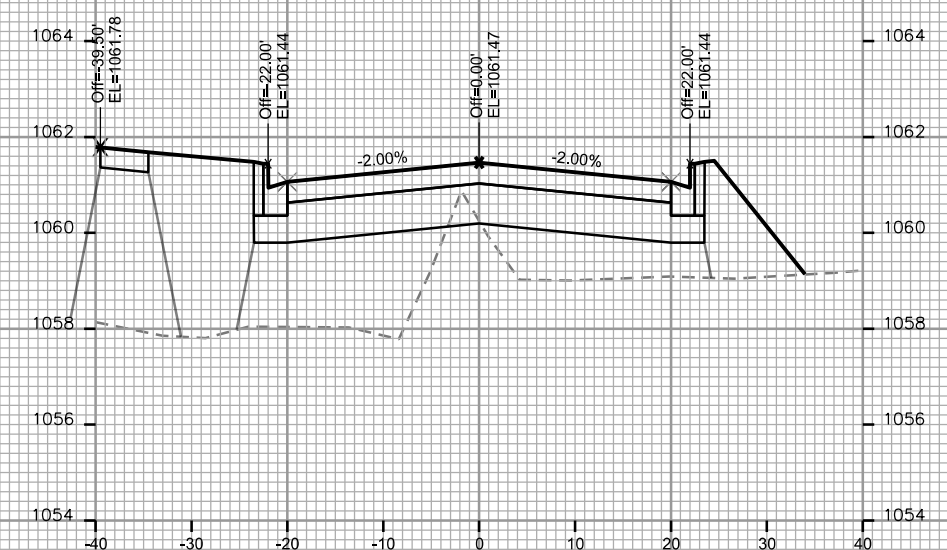
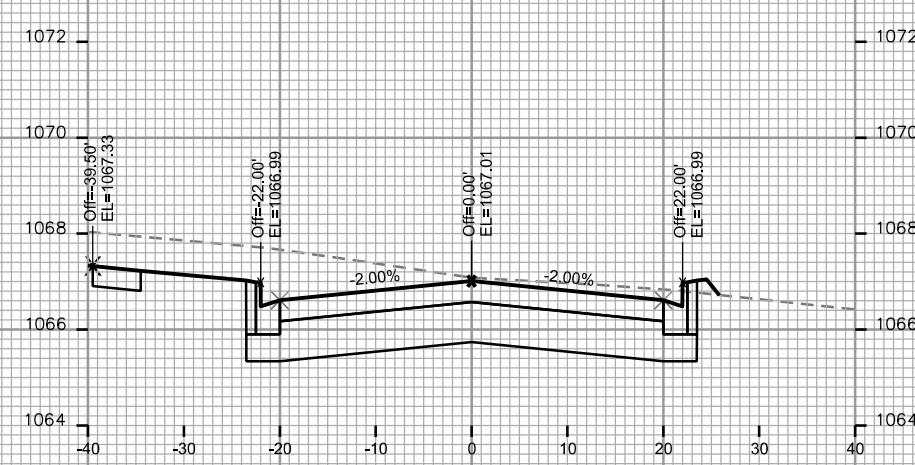
CROSS SECTIONS
ELDERBERRY RD CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



CROSS SECTIONS

ELDERBERRY RD

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

