

Madison, Wisconsin

CITY OF MADISON

MADISON WATER UTILITY

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

NOVEMBER 18, 2014

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

WATER SYSTEM IMPROVEMENTS APPROVED BY:

[Signature] 1/16/15
Principal Engineer Date

WATER DESIGNED BY:

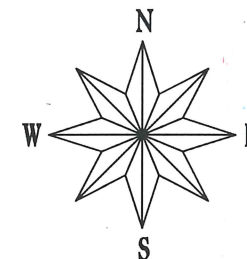
[Signature]
KELLY B. MIESS
E-41821
MADISON WI
1-16-15
PROFESSIONAL ENGINEER

EROSION CONTROL DESIGNED BY:

[Signature]
KELLY B. MIESS
E-41821
MADISON WI
1-16-15
PROFESSIONAL ENGINEER

HWY 15/LANCASTER DR WATER MAIN CROSSING

CITY PROJECT NO. 53W1750
CITY CONTRACT NO. 7270

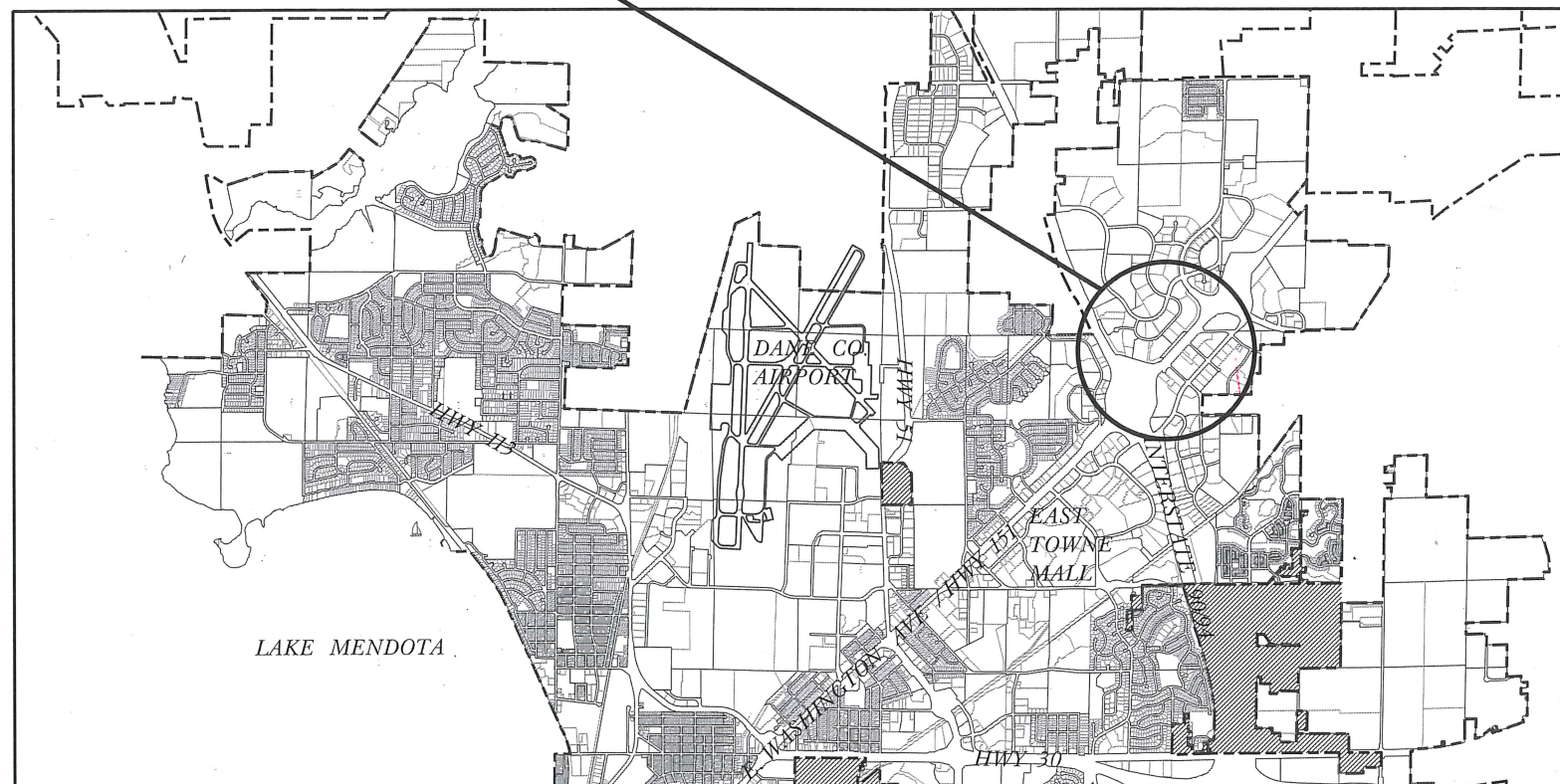


INDEX OF SHEETS

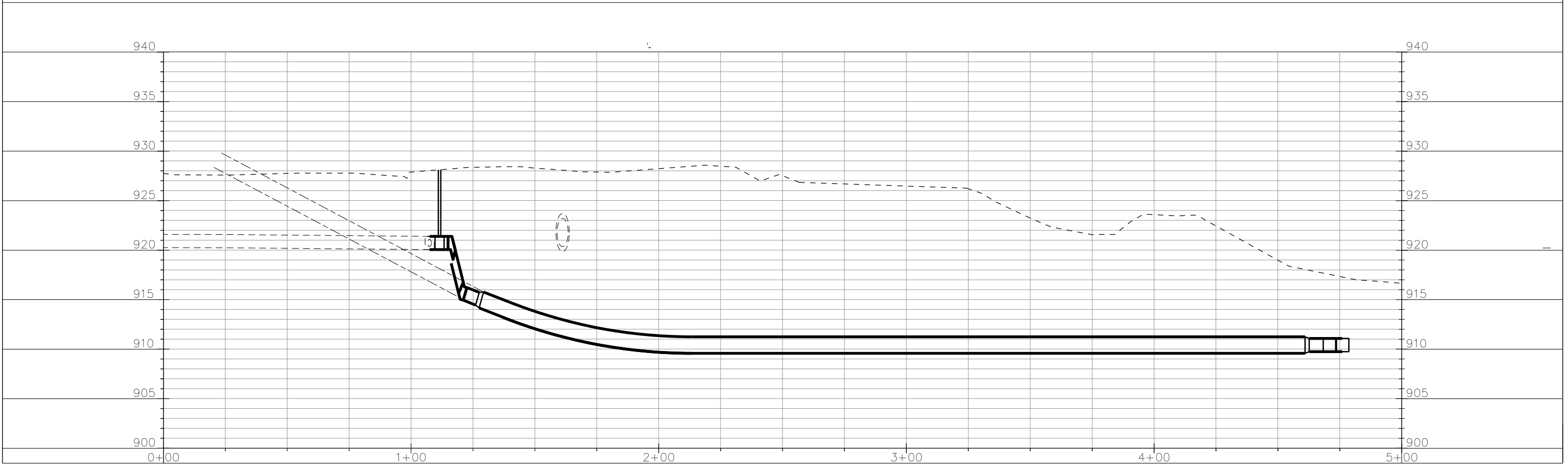
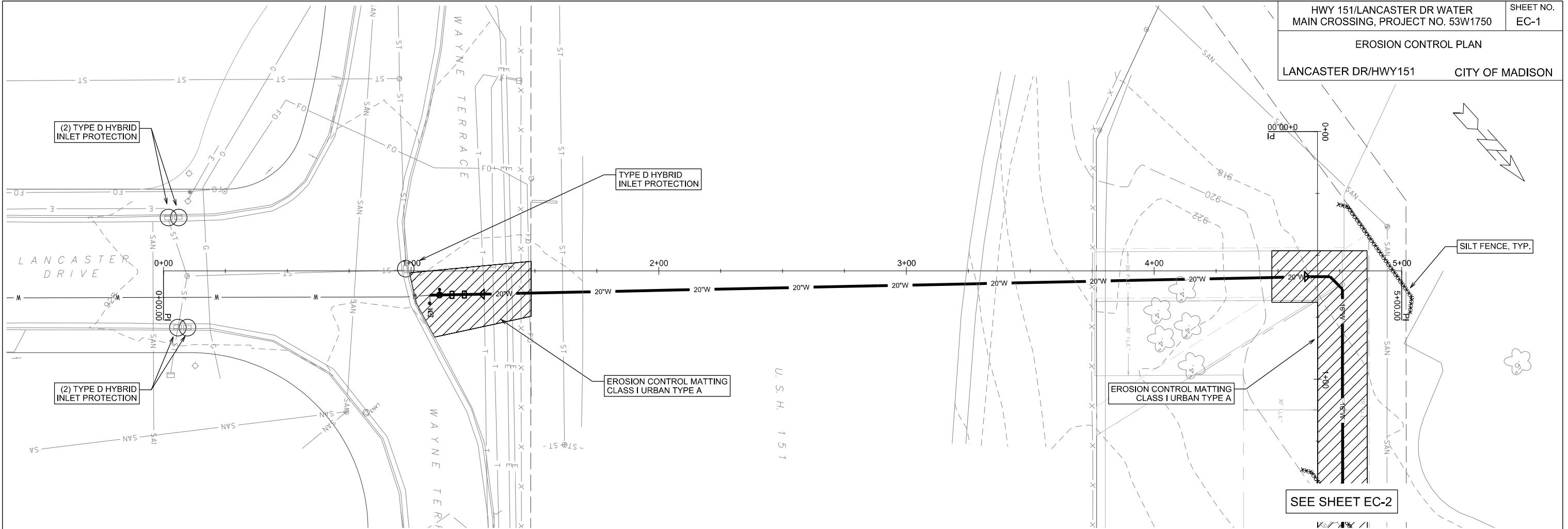
SHEET NO.	TITLE
1	EROSION CONTROL PLAN
EC-1 TO EC-6	WATER PLAN & PROFILE
W-1 TO W-6	WATER IMPACT PLAN
W-7 TO W-8	WATER PLAN OVERVIEW
W-9	WATER MATERIALS ESTIMATE
W-10	RESTORATION PLAN
R-1 TO R-6	

CONSTRUCTION PROJECT LOCATION

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



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

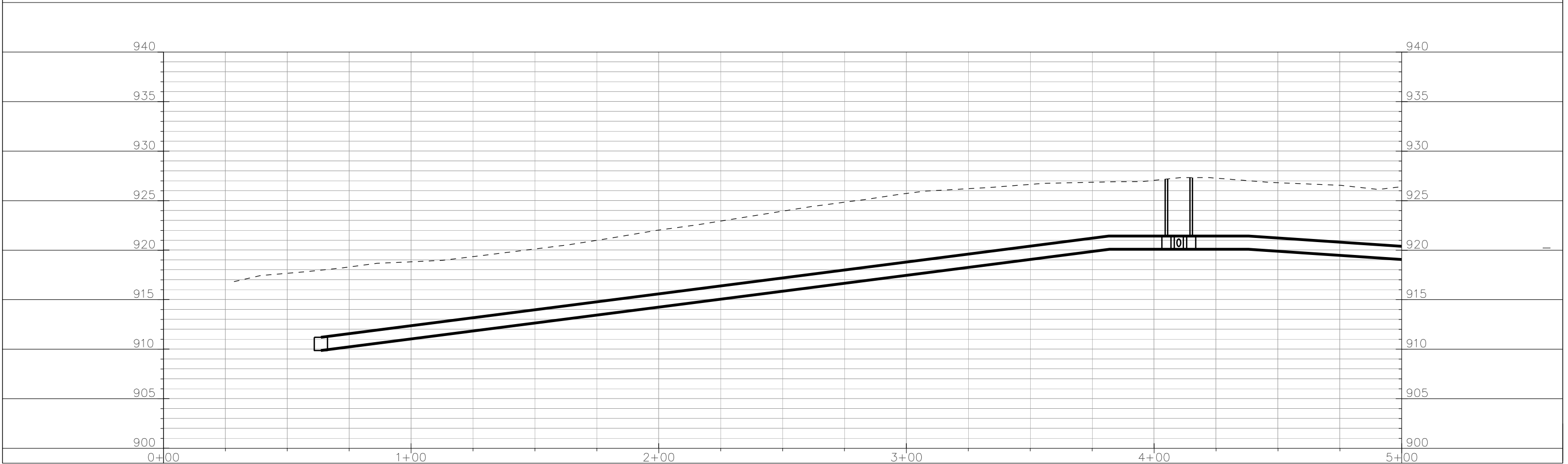
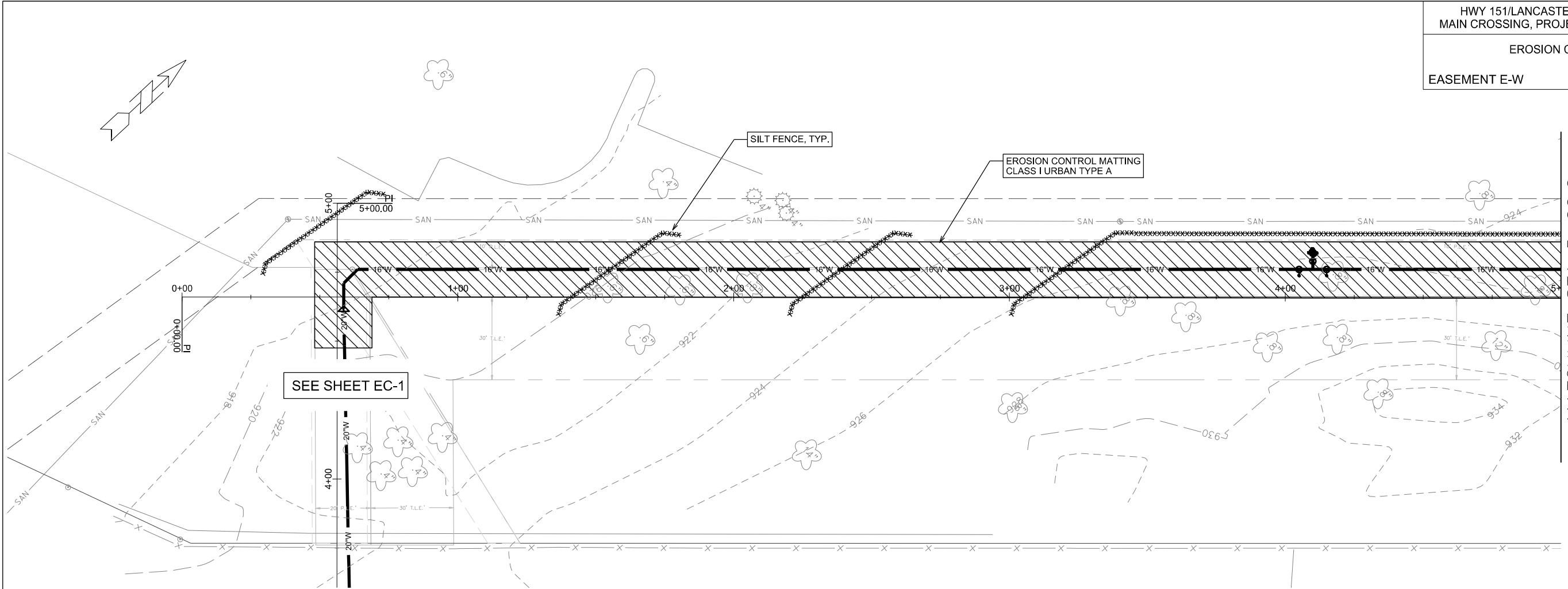


PLOT SCALE: _____

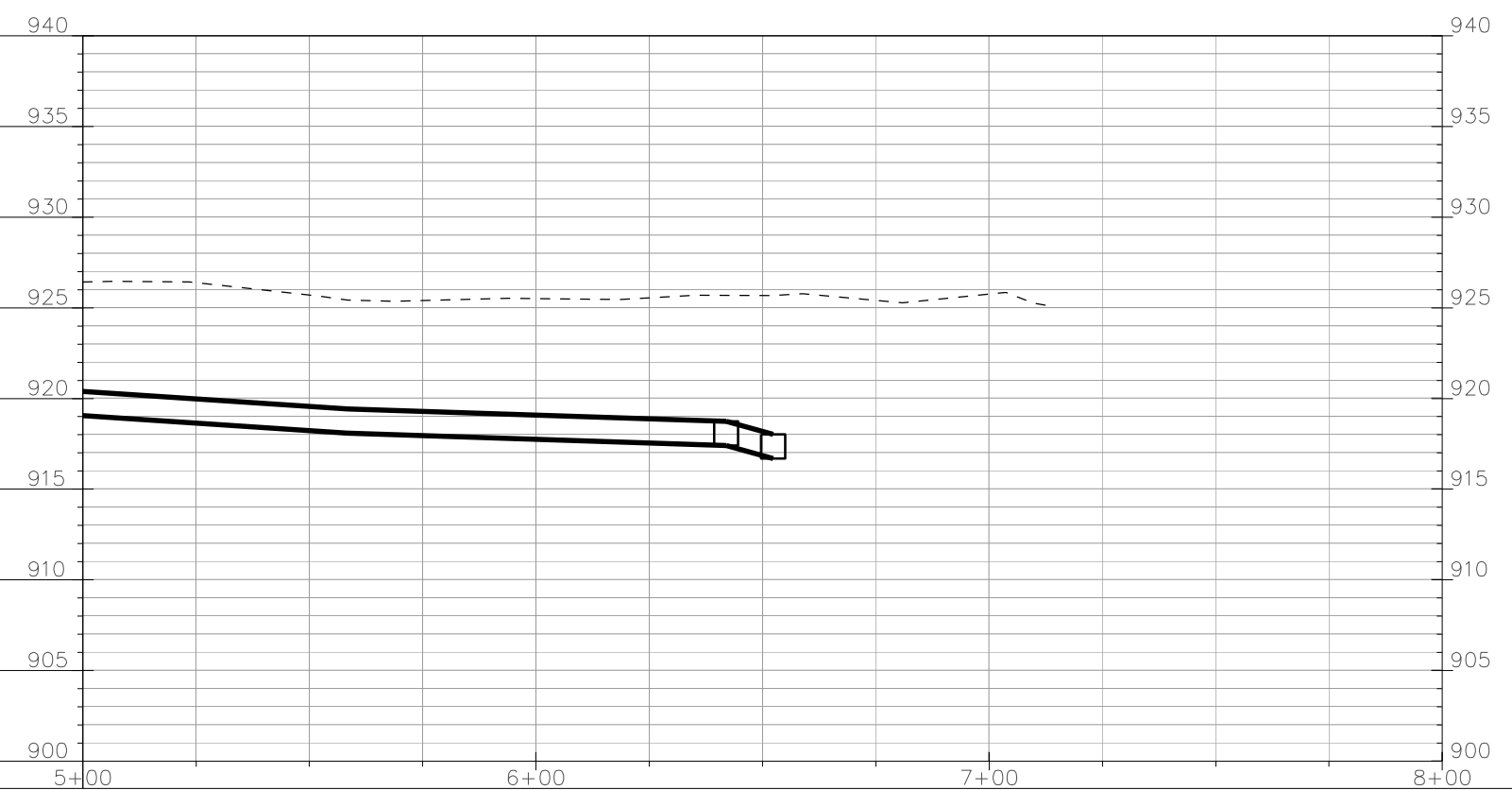
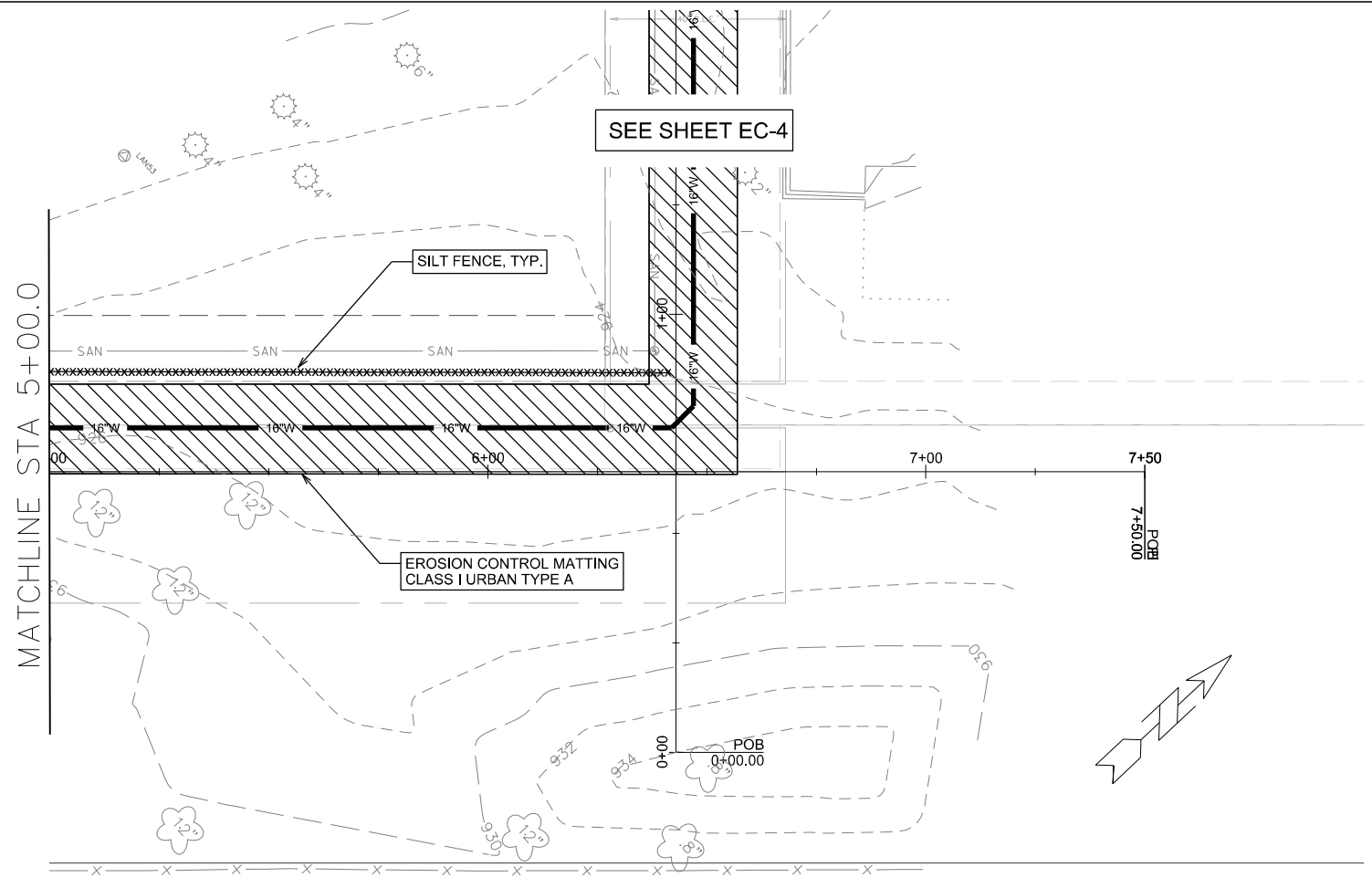
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

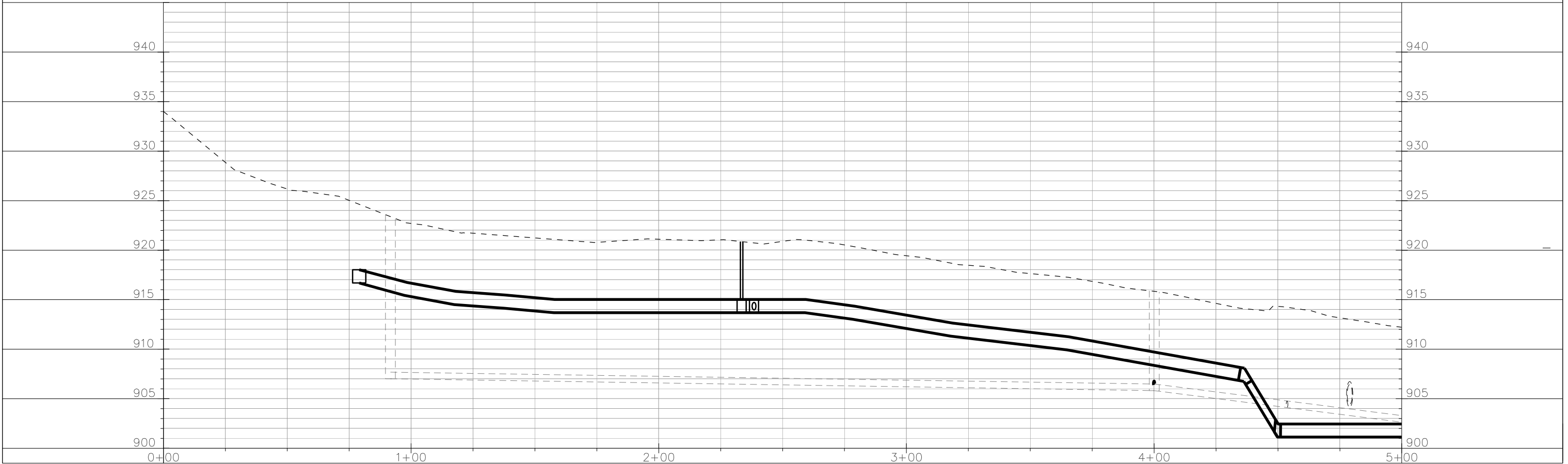
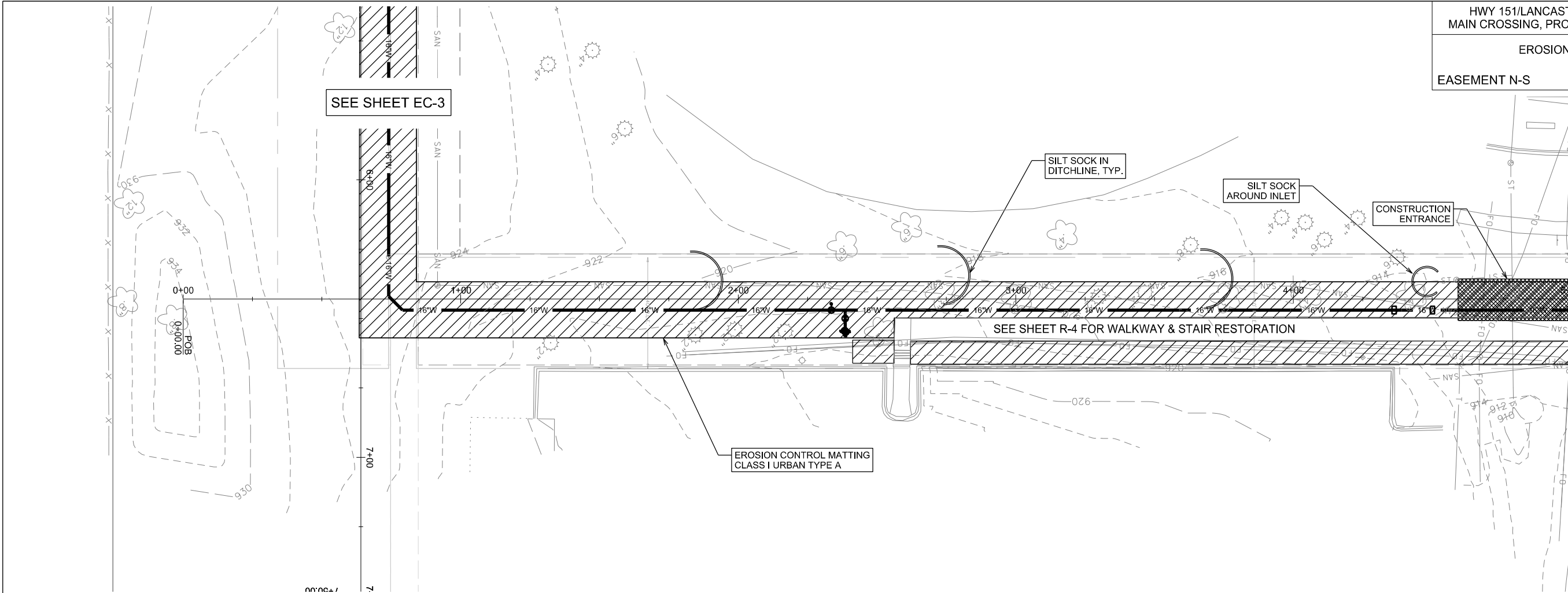


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

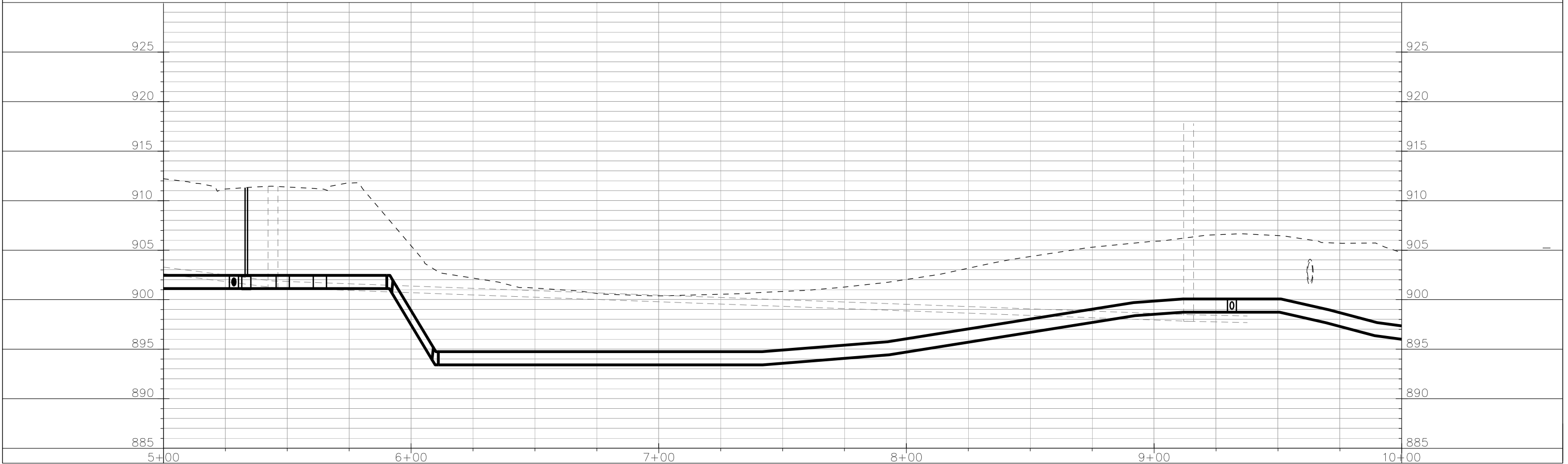
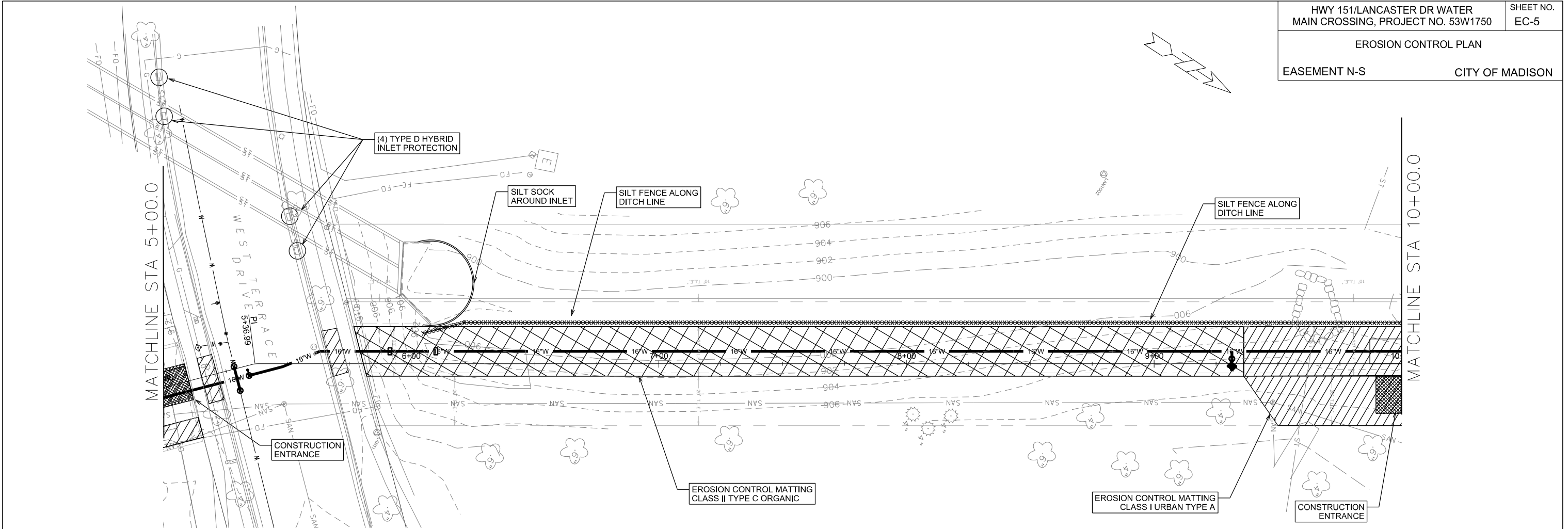


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

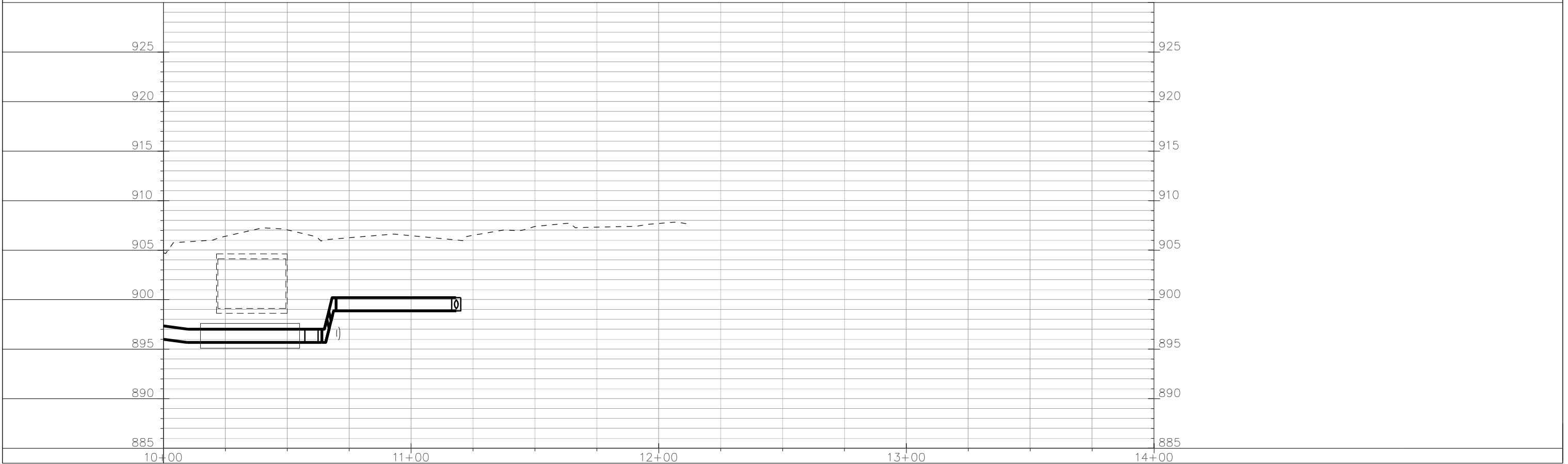
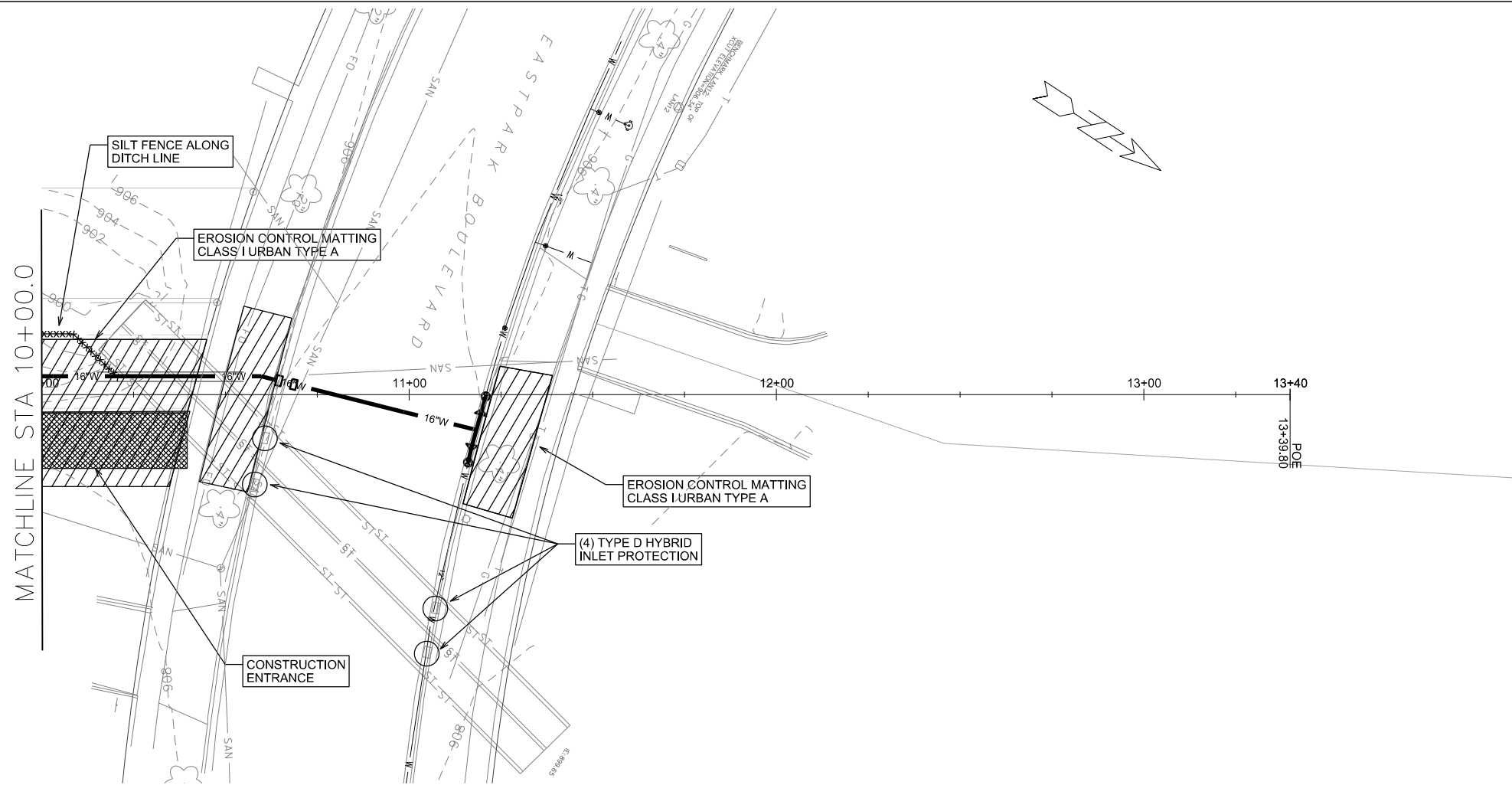


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

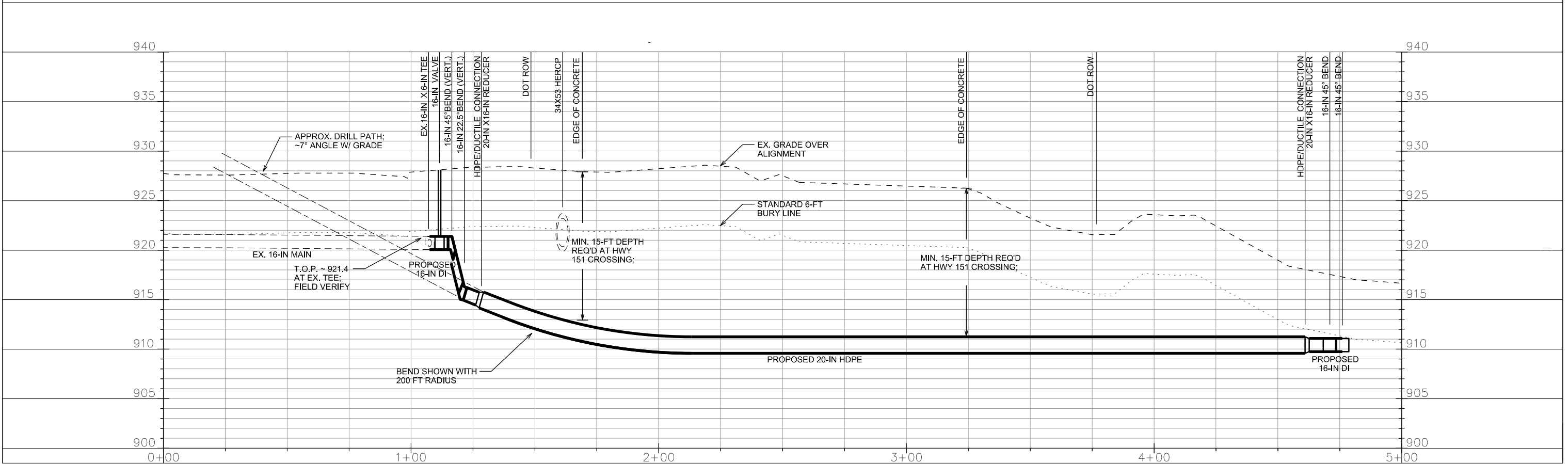
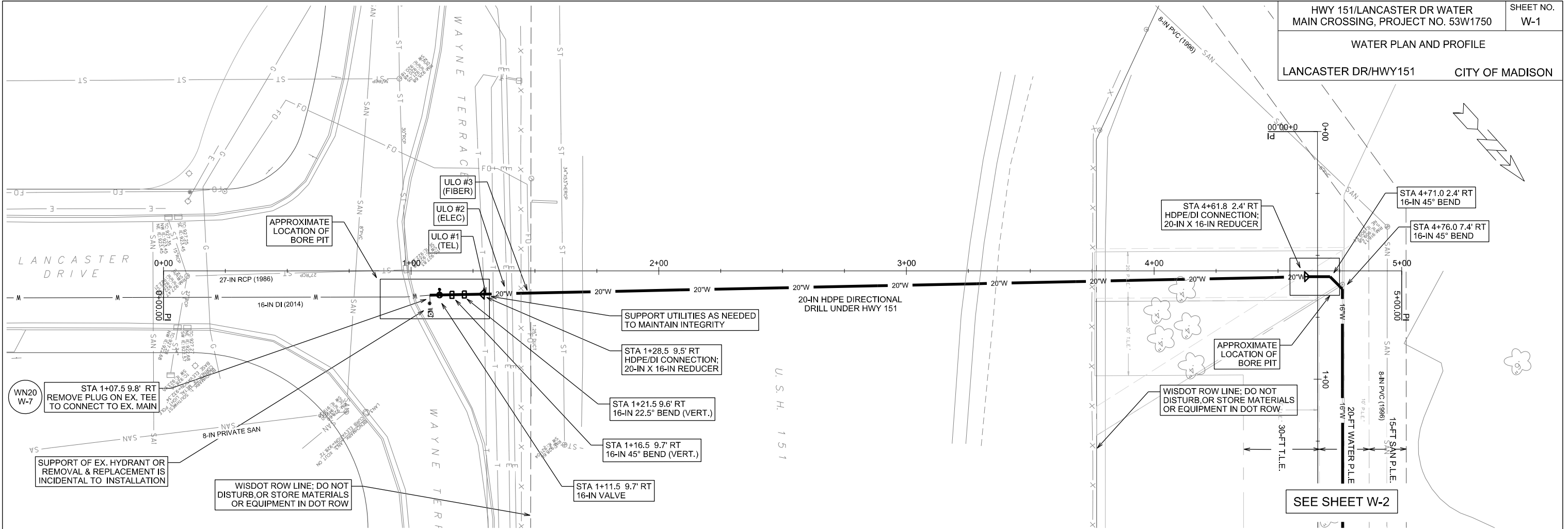


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

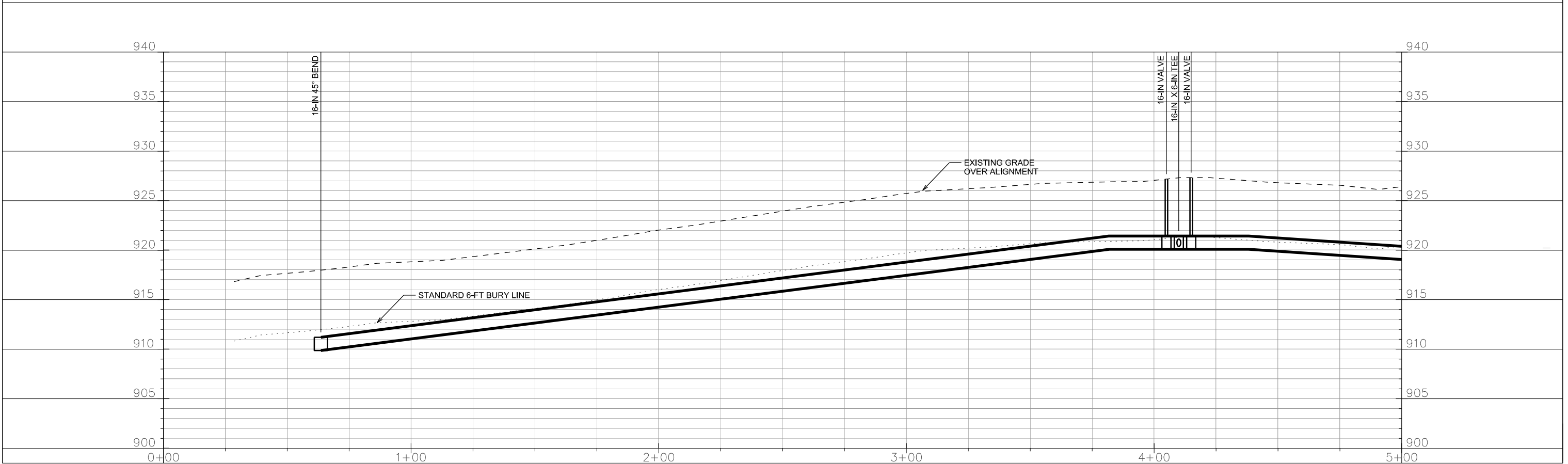
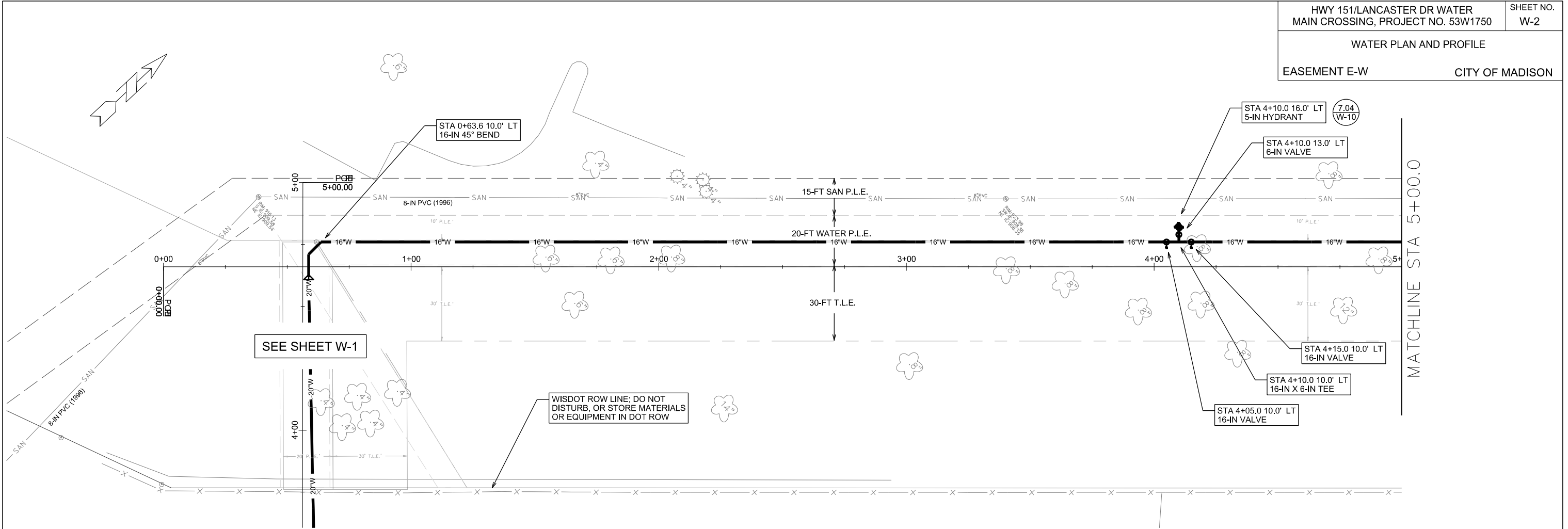


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

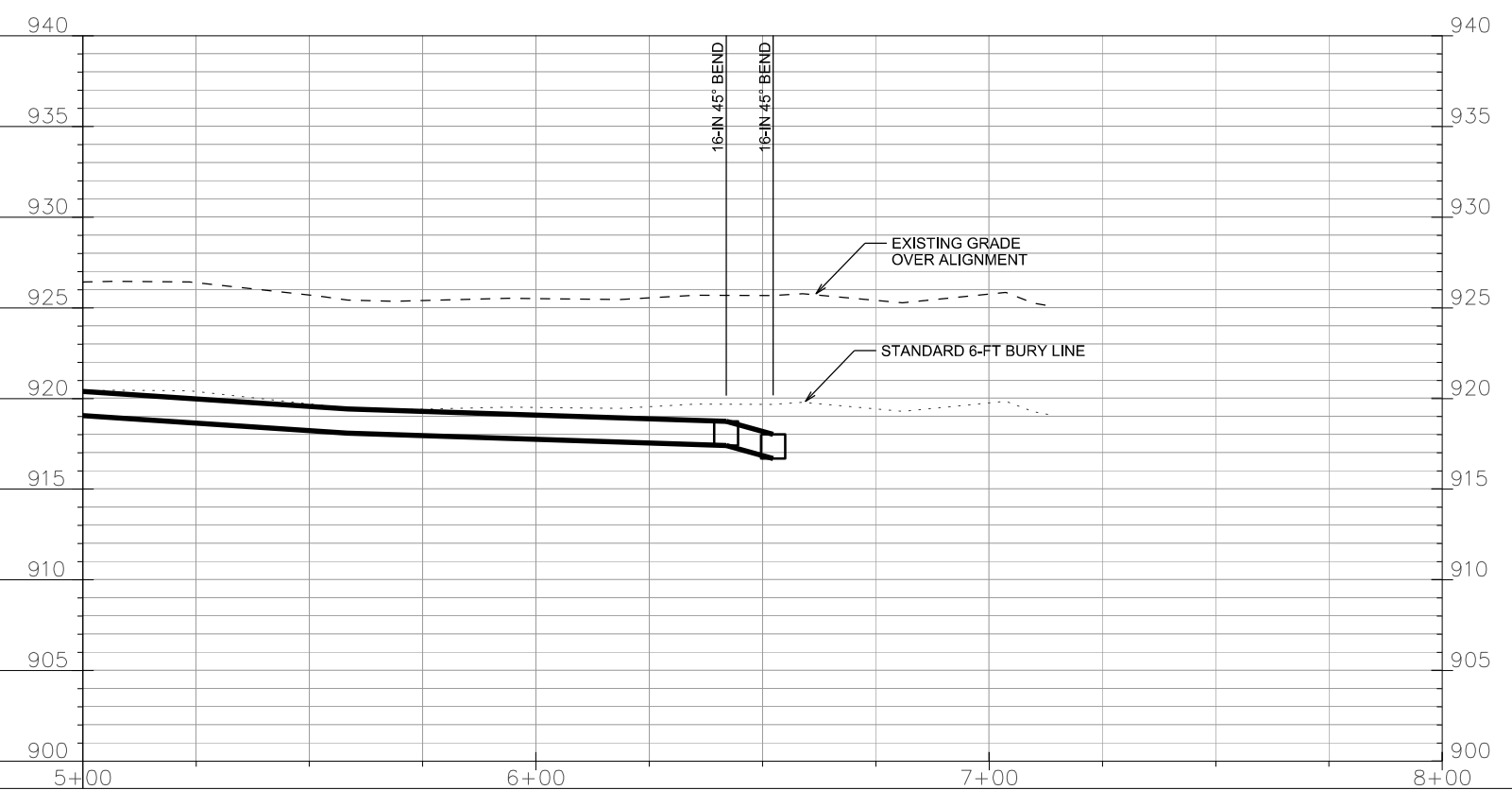
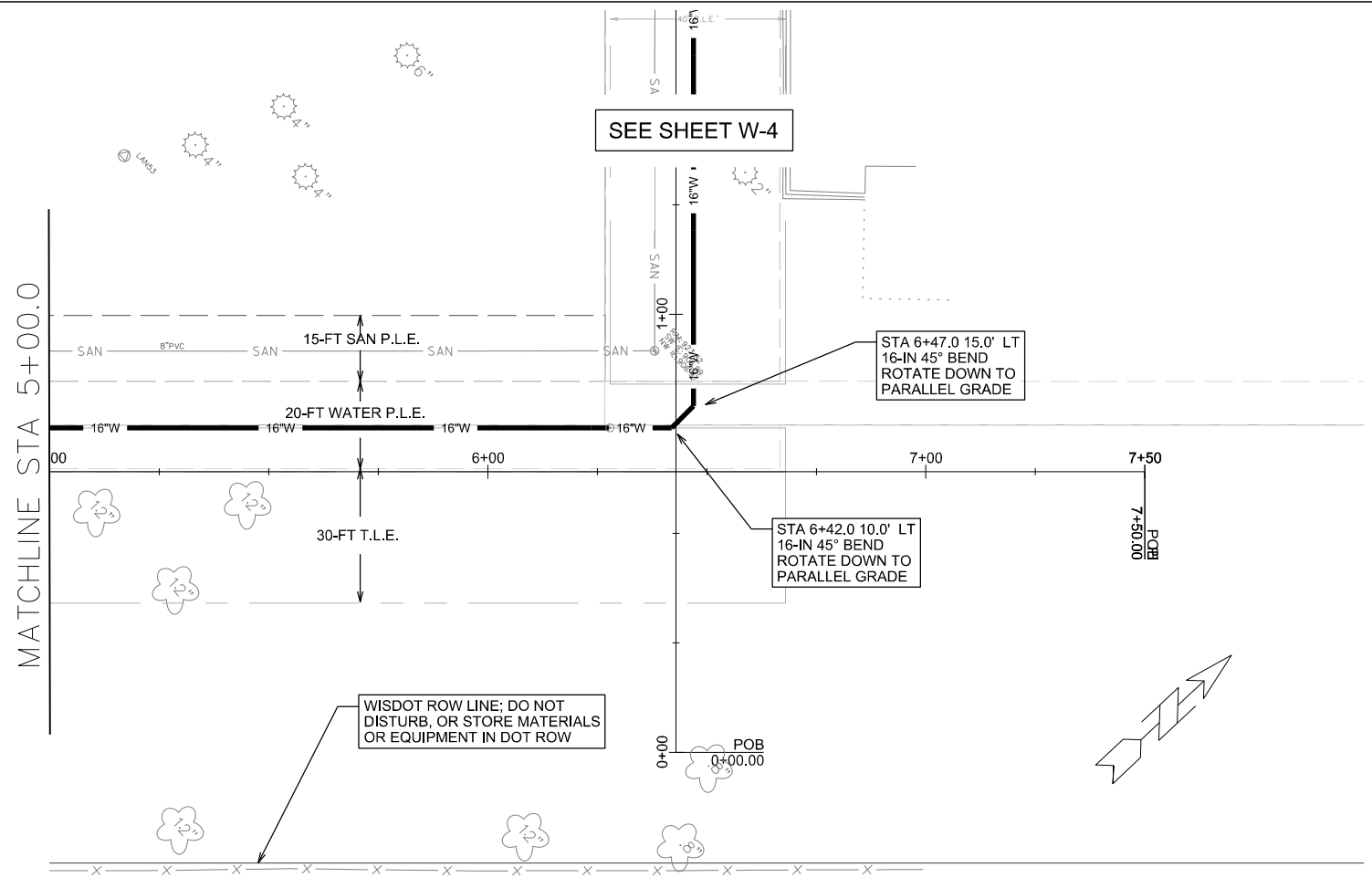


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

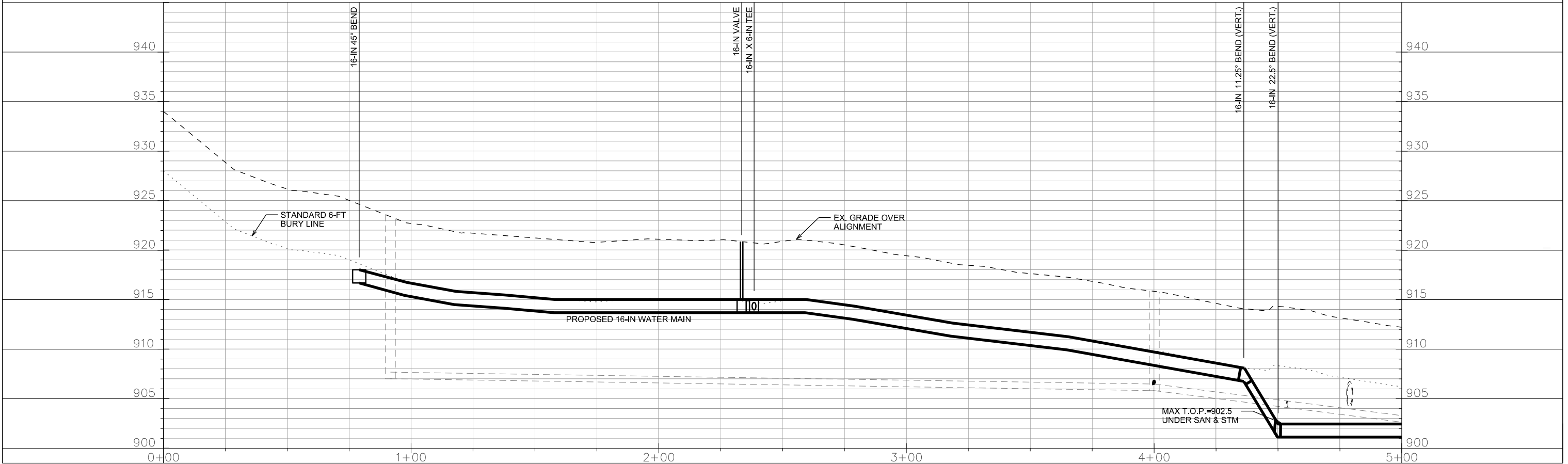
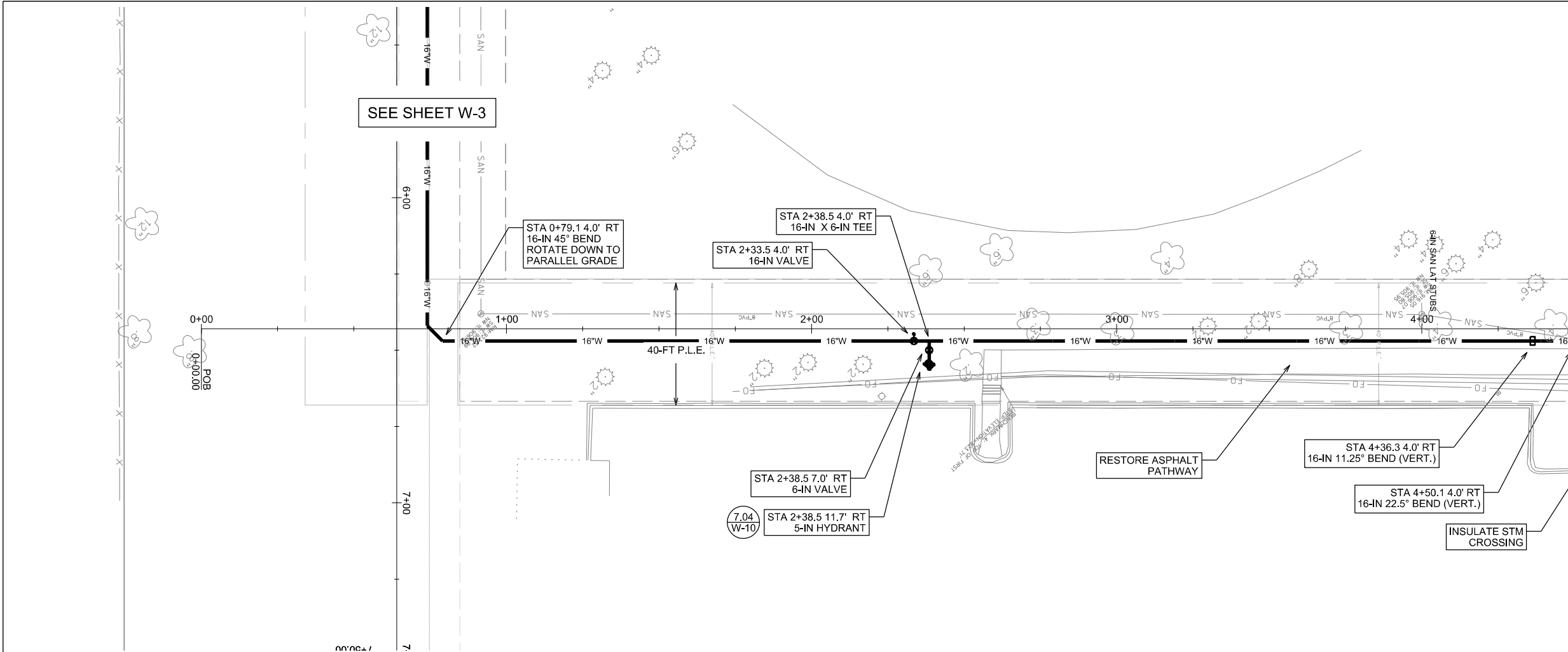


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SEE SHEET W-3

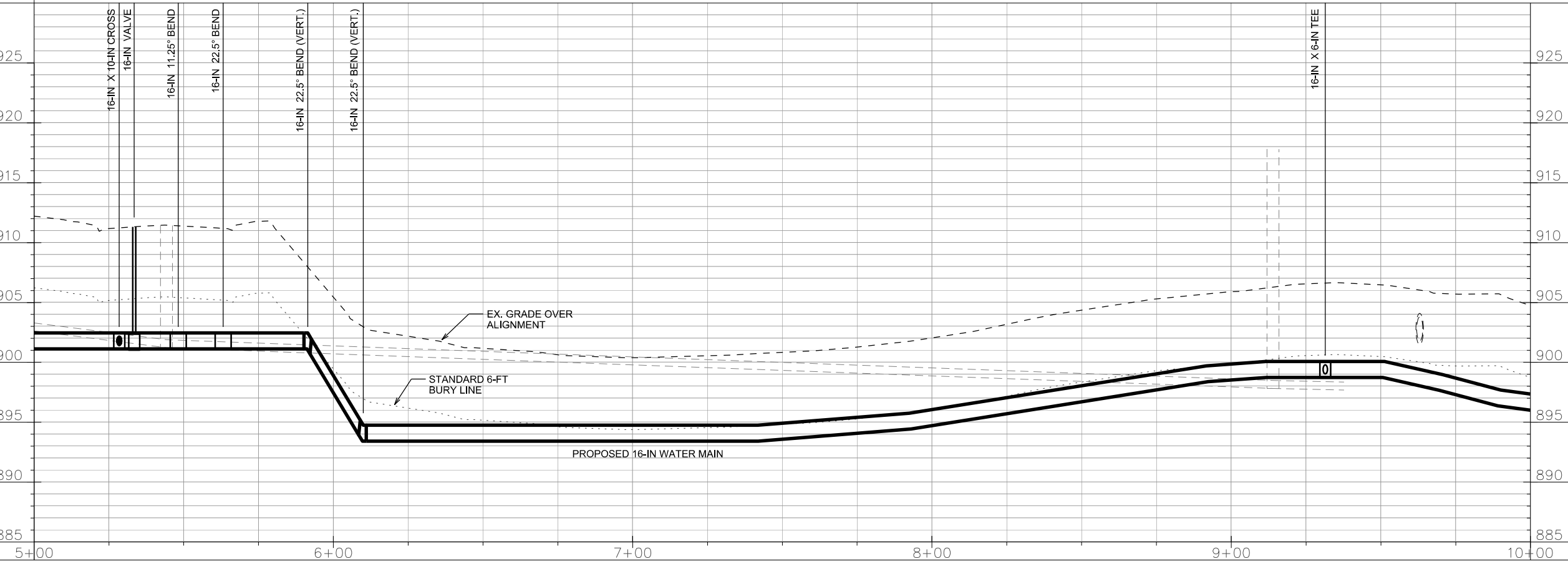
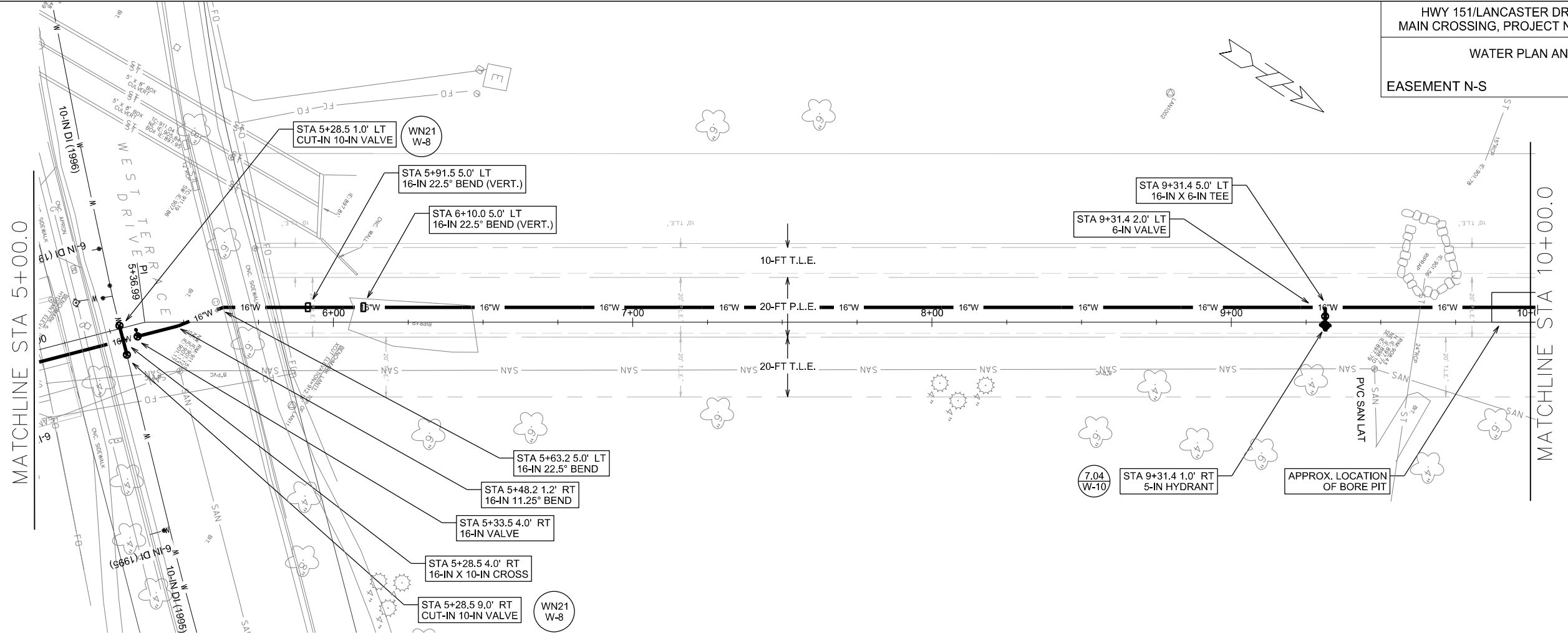
MATCHLINE STA 5+00.0

PLOT SCALE: _____

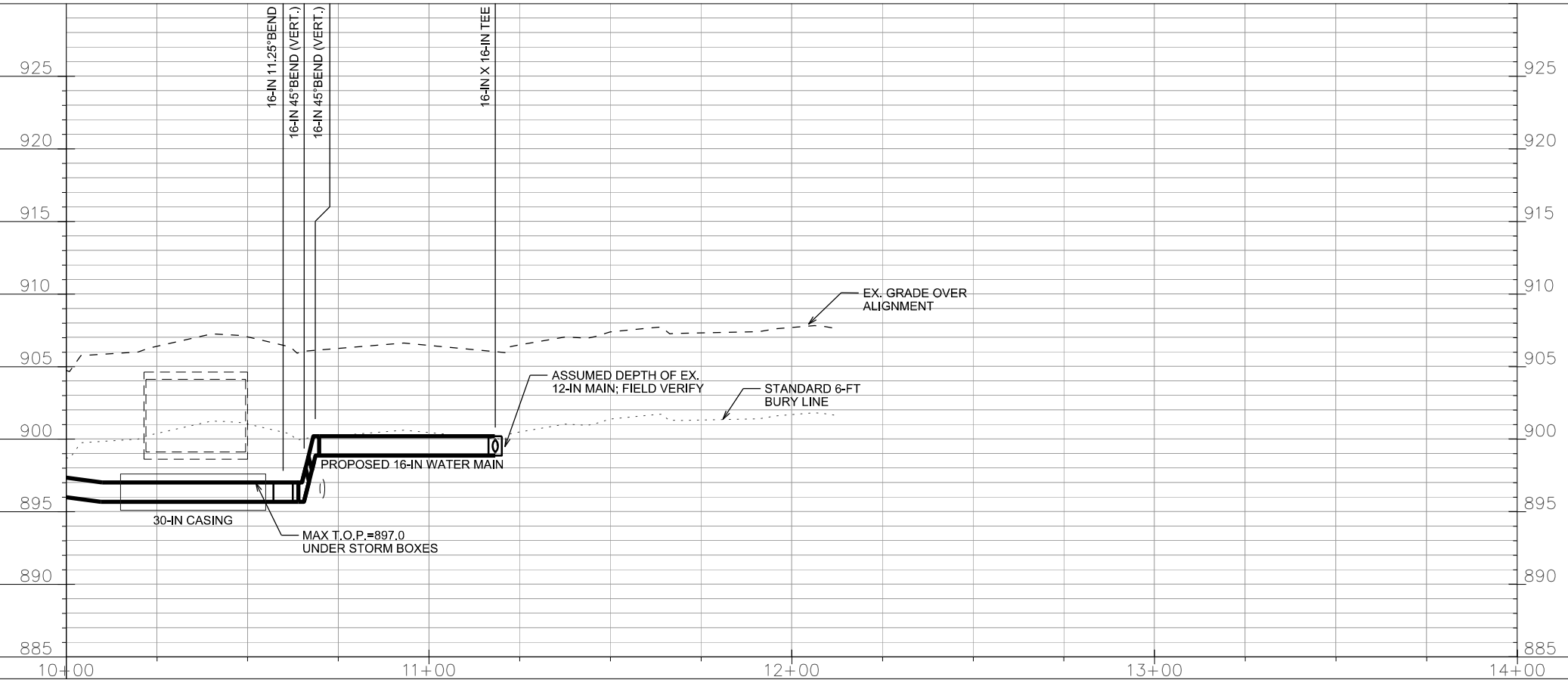
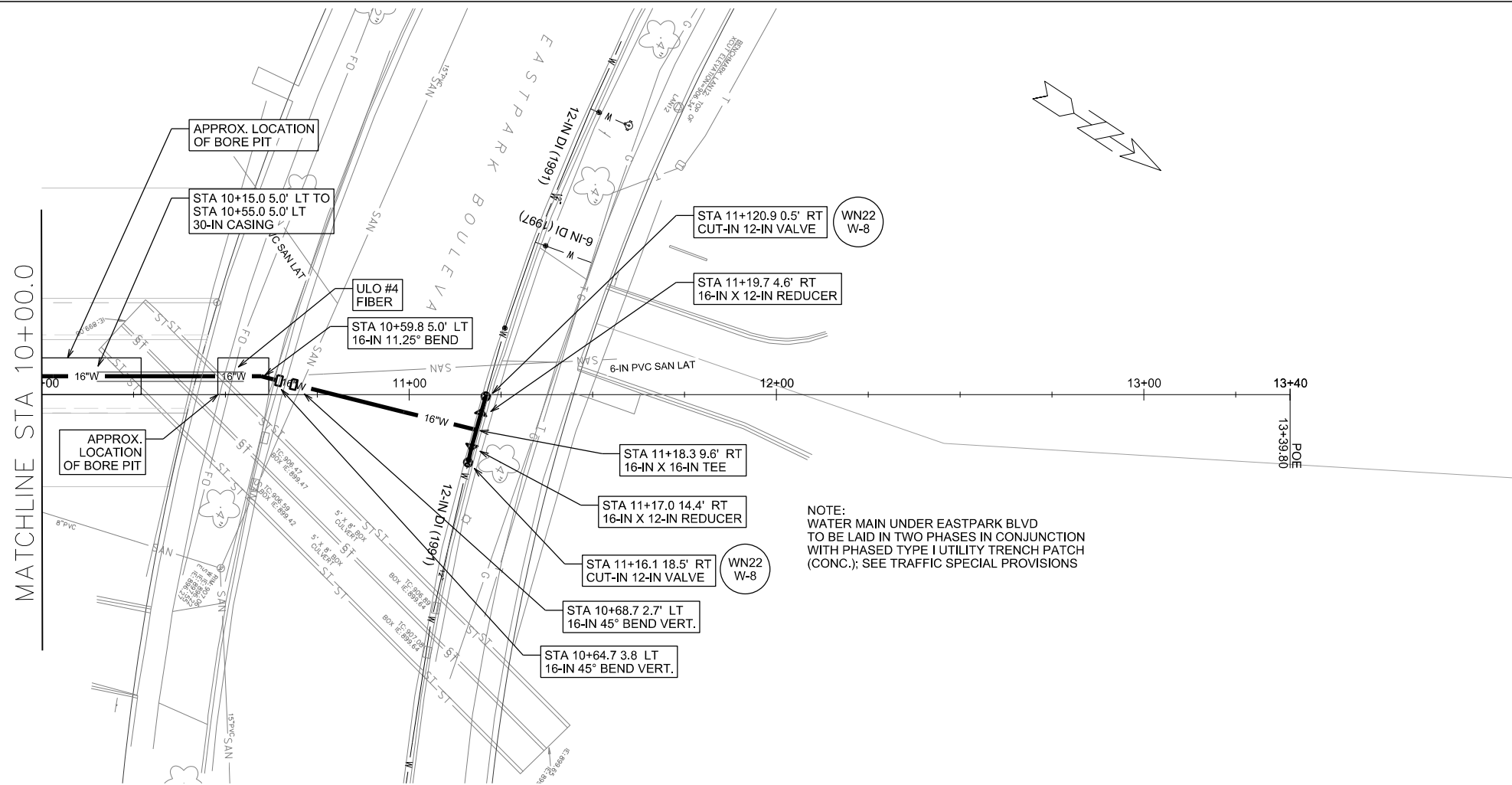
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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

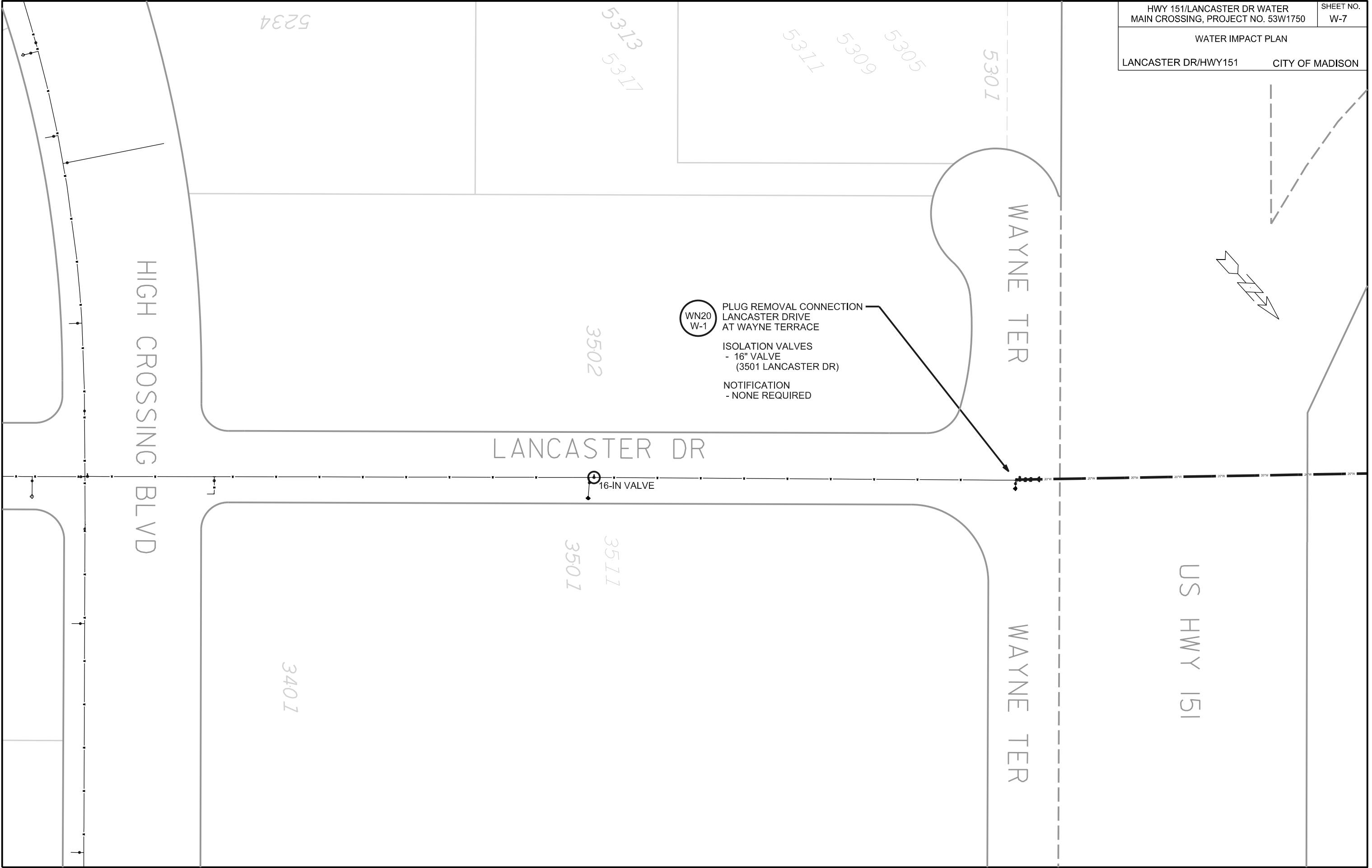


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

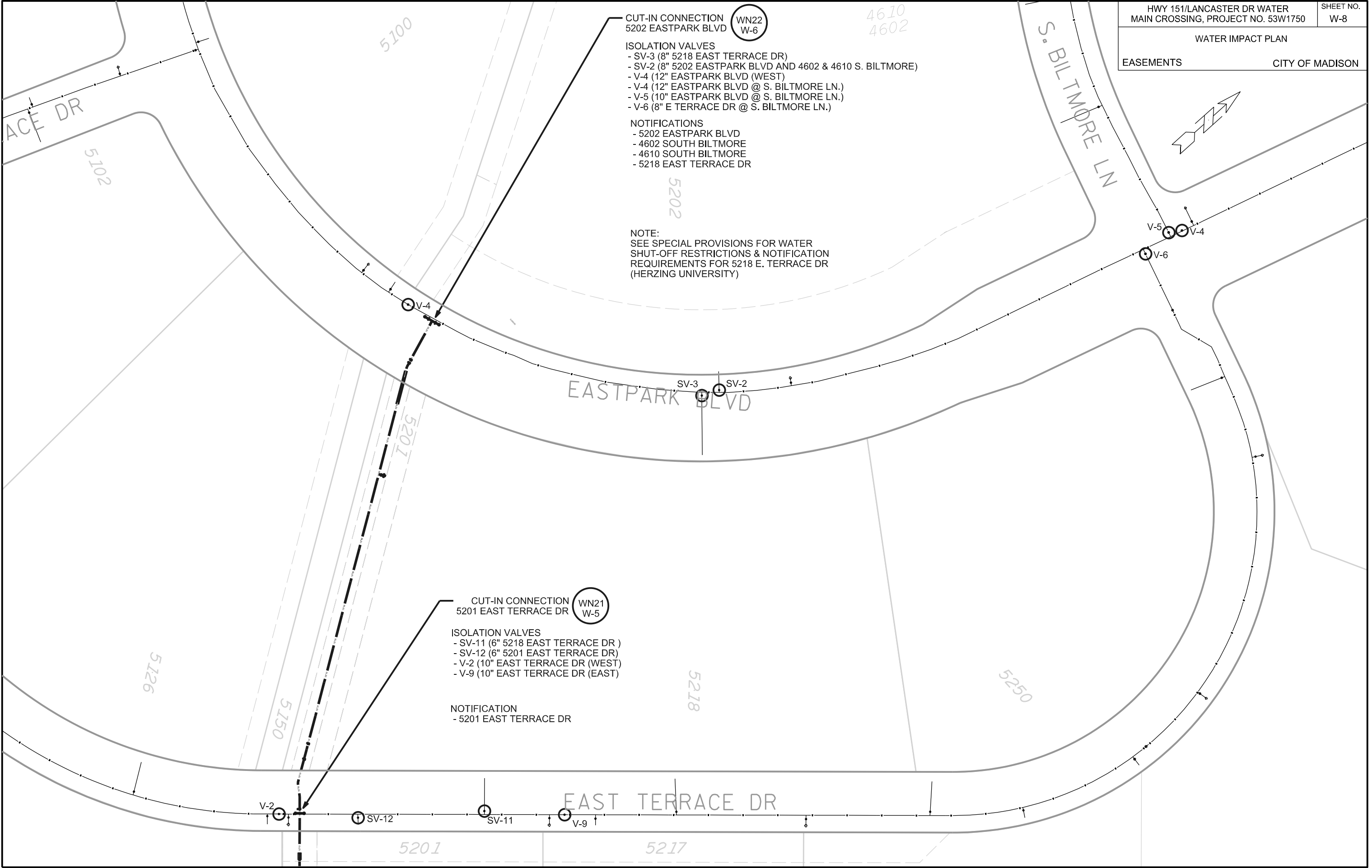


PLOT SCALE: _____ PLOT NAME: _____ REV. DATE: _____ ORIGINATOR: CITY OF MADISON, STREETS DIVISION

- CUT-IN CONNECTION
5202 EASTPARK BLVD (WN22 W-6)
- ISOLATION VALVES
- SV-3 (8" 5218 EAST TERRACE DR)
 - SV-2 (8" 5202 EASTPARK BLVD AND 4602 & 4610 S. BILTMORE)
 - V-4 (12" EASTPARK BLVD (WEST))
 - V-4 (12" EASTPARK BLVD @ S. BILTMORE LN.)
 - V-5 (10" EASTPARK BLVD @ S. BILTMORE LN.)
 - V-6 (8" E TERRACE DR @ S. BILTMORE LN.)
- NOTIFICATIONS
- 5202 EASTPARK BLVD
 - 4602 SOUTH BILTMORE
 - 4610 SOUTH BILTMORE
 - 5218 EAST TERRACE DR

NOTE:
SEE SPECIAL PROVISIONS FOR WATER
SHUT-OFF RESTRICTIONS & NOTIFICATION
REQUIREMENTS FOR 5218 E. TERRACE DR
(HERZING UNIVERSITY)

- CUT-IN CONNECTION
5201 EAST TERRACE DR (WN21 W-5)
- ISOLATION VALVES
- SV-11 (6" 5218 EAST TERRACE DR)
 - SV-12 (6" 5201 EAST TERRACE DR)
 - V-2 (10" EAST TERRACE DR (WEST))
 - V-9 (10" EAST TERRACE DR (EAST))
- NOTIFICATION
- 5201 EAST TERRACE DR

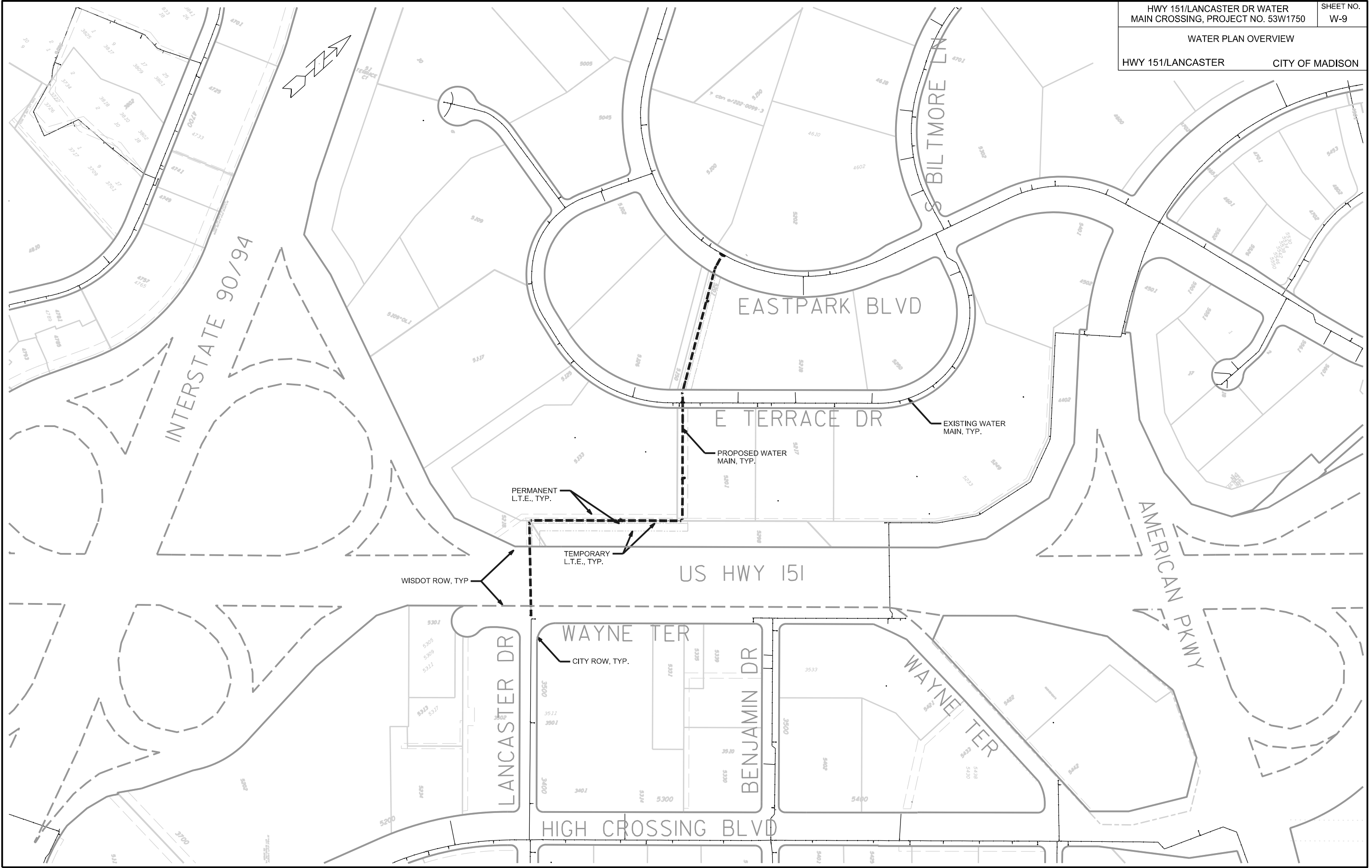


PLOT SCALE: _____

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

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

- | | |
|----------------------------|----------------------------------|
| 20-FT - 6-IN PIPE | 7 - 16-IN 45° BEND |
| 20-FT - 10-IN PIPE | 5 - 16-IN 22.5° BEND |
| 20-FT - 12-IN PIPE | 3 - 16-IN 11.25° BEND |
| 1720-FT - 16-IN PIPE | |
| 340-FT - 20-IN PIPE | |
| 40-FT - 30-IN STEEL CASING | 2 - 16-IN X 12-IN REDUCER |
| | 2 - 20-IN X 16-IN REDUCER |
| 3 - 6-IN VALVE & BOX | 3 - 5-IN HYDRANT |
| 2 - 10-IN VALVE & BOX | |
| 2 - 12-IN VALVE & BOX | 8-FT - 2-IN STYROFOAM INSULATION |
| 5 - 16-IN VALVE & BOX | 2050-FT - POLYWRAP |
| 3 - 16-IN X 6-IN TEE | 1-IN & 1.5-IN COPPER (NONE R'QD) |
| 1 - 16-IN X 16-IN TEE | |
| 1 - 16-IN X 10-IN CROSS | |

MATERIALS SUPPLIED BY CITY:

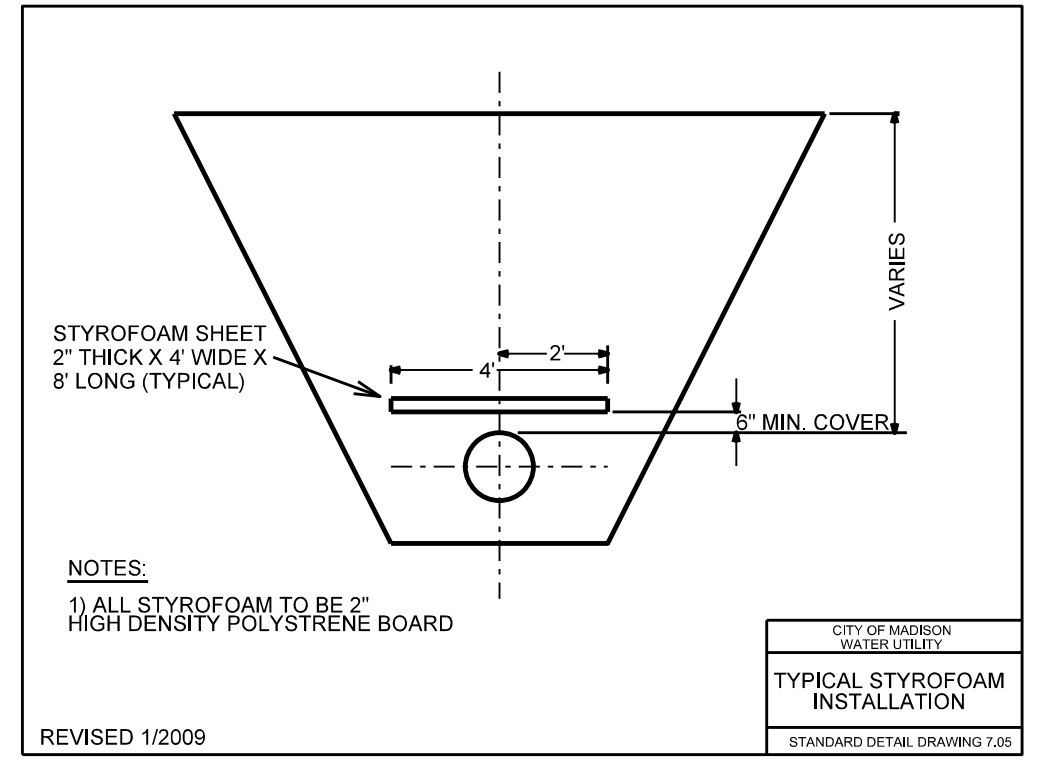
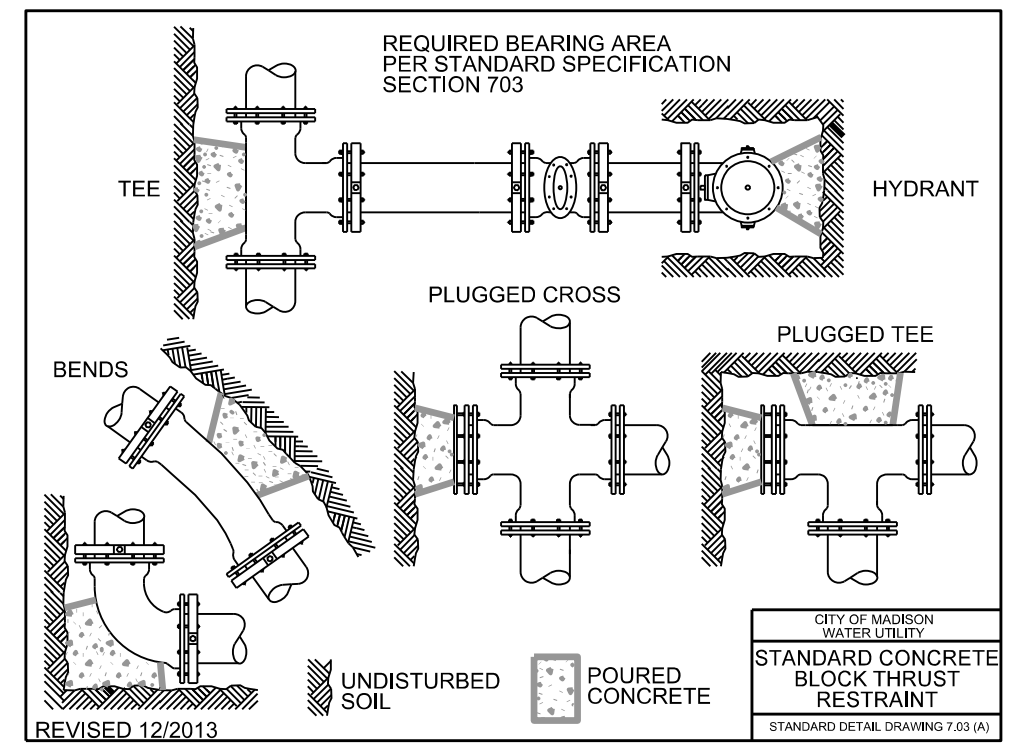
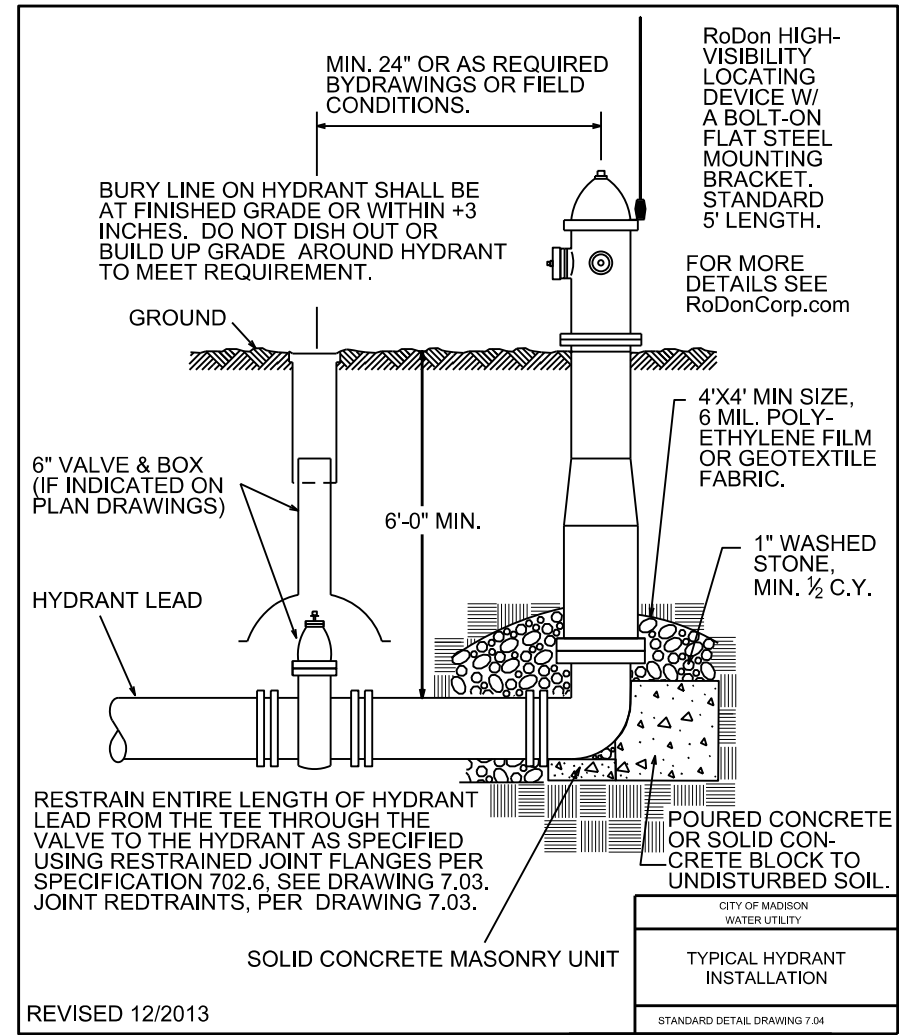
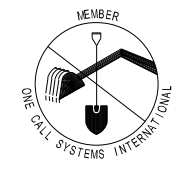
NONE

REUSED MATERIALS







NONE

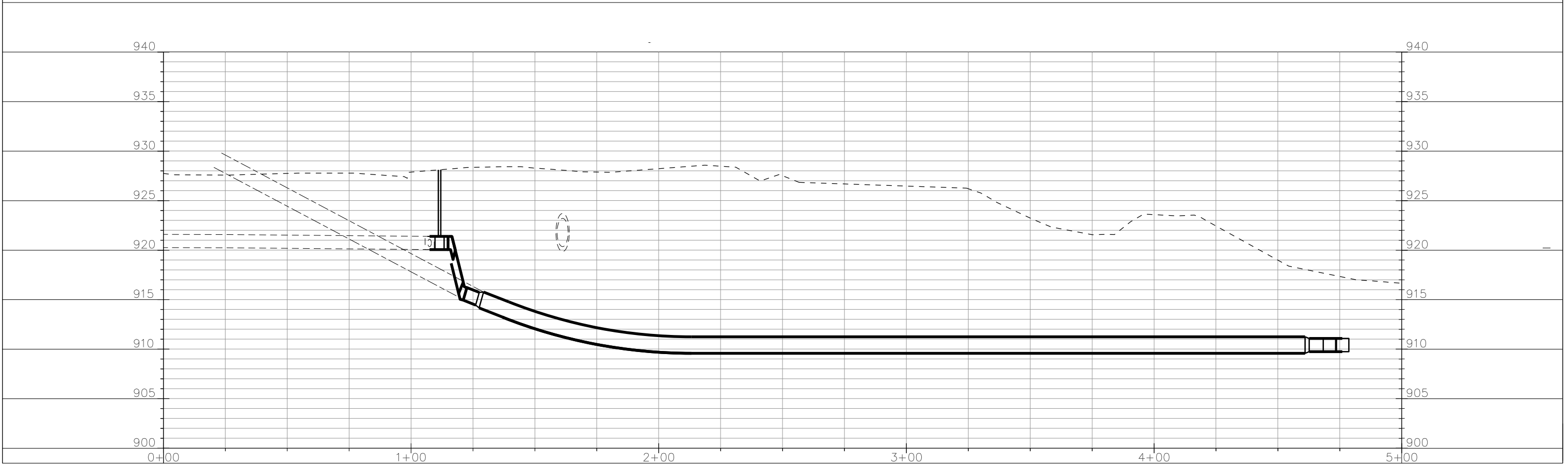
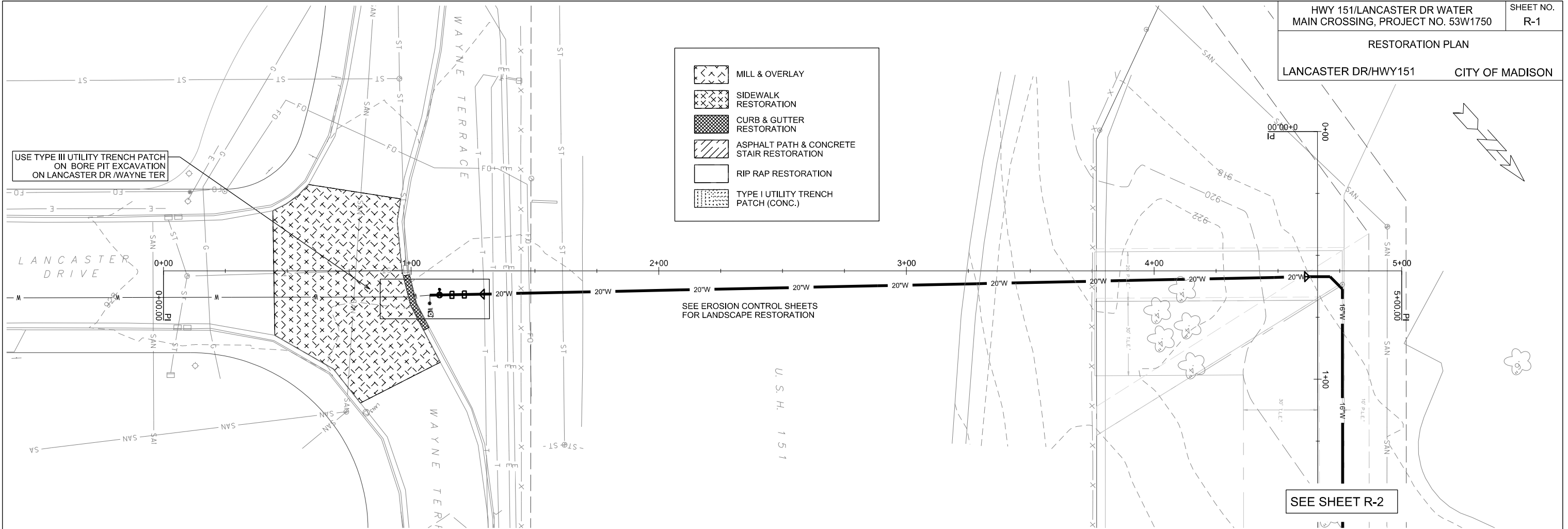
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN
CALL DIGGERS HOTLINE TOLL FREE
811 OR 1-800-242-8511
FAX-A-LOCATE 1-800-338-3860
TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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









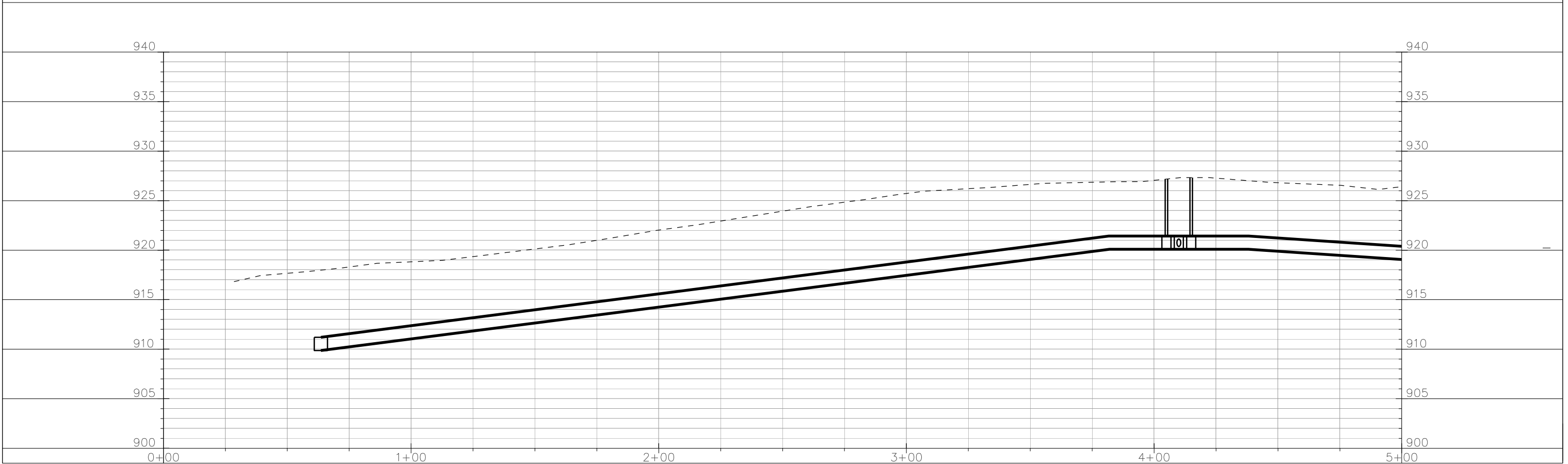
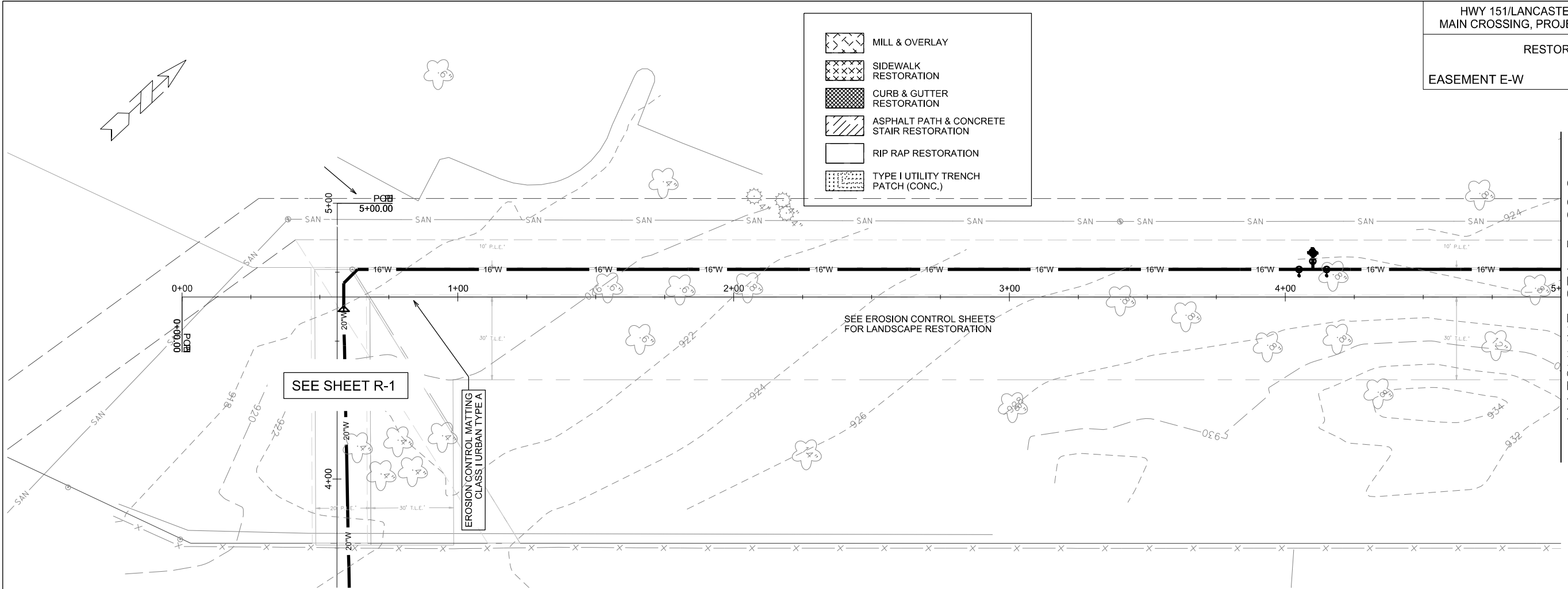
PLOT SCALE: _____ PLOT NAME: _____ REV. DATE: _____ ORIGINATOR: CITY OF MADISON, STREETS DIVISION

-  MILL & OVERLAY
-  SIDEWALK RESTORATION
-  CURB & GUTTER RESTORATION
-  ASPHALT PATH & CONCRETE STAIR RESTORATION
-  RIP RAP RESTORATION
-  TYPE I UTILITY TRENCH PATCH (CONC.)



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

-  MILL & OVERLAY
-  SIDEWALK RESTORATION
-  CURB & GUTTER RESTORATION
-  ASPHALT PATH & CONCRETE STAIR RESTORATION
-  RIP RAP RESTORATION
-  TYPE I UTILITY TRENCH PATCH (CONC.)

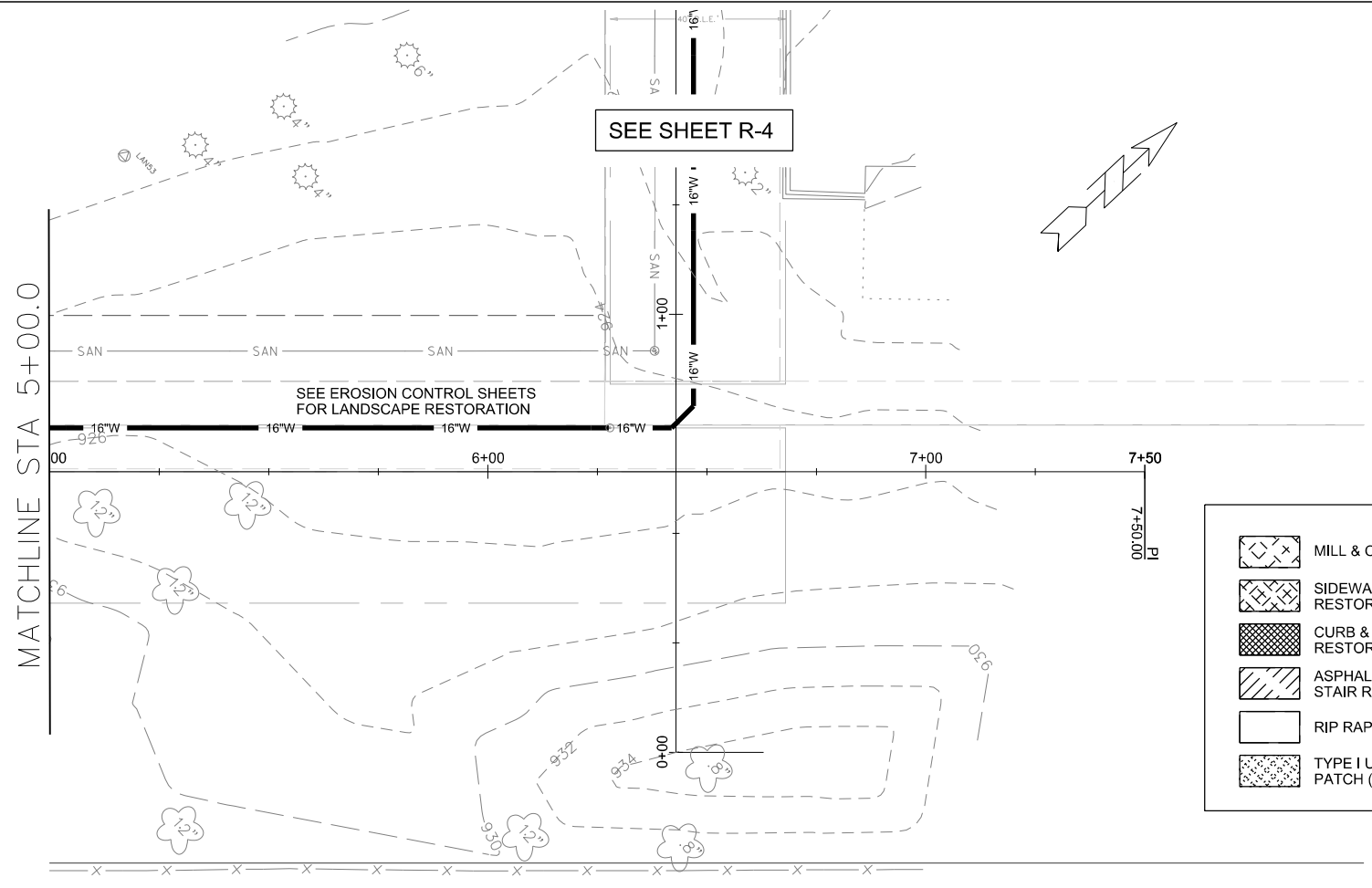


PLOT SCALE: _____

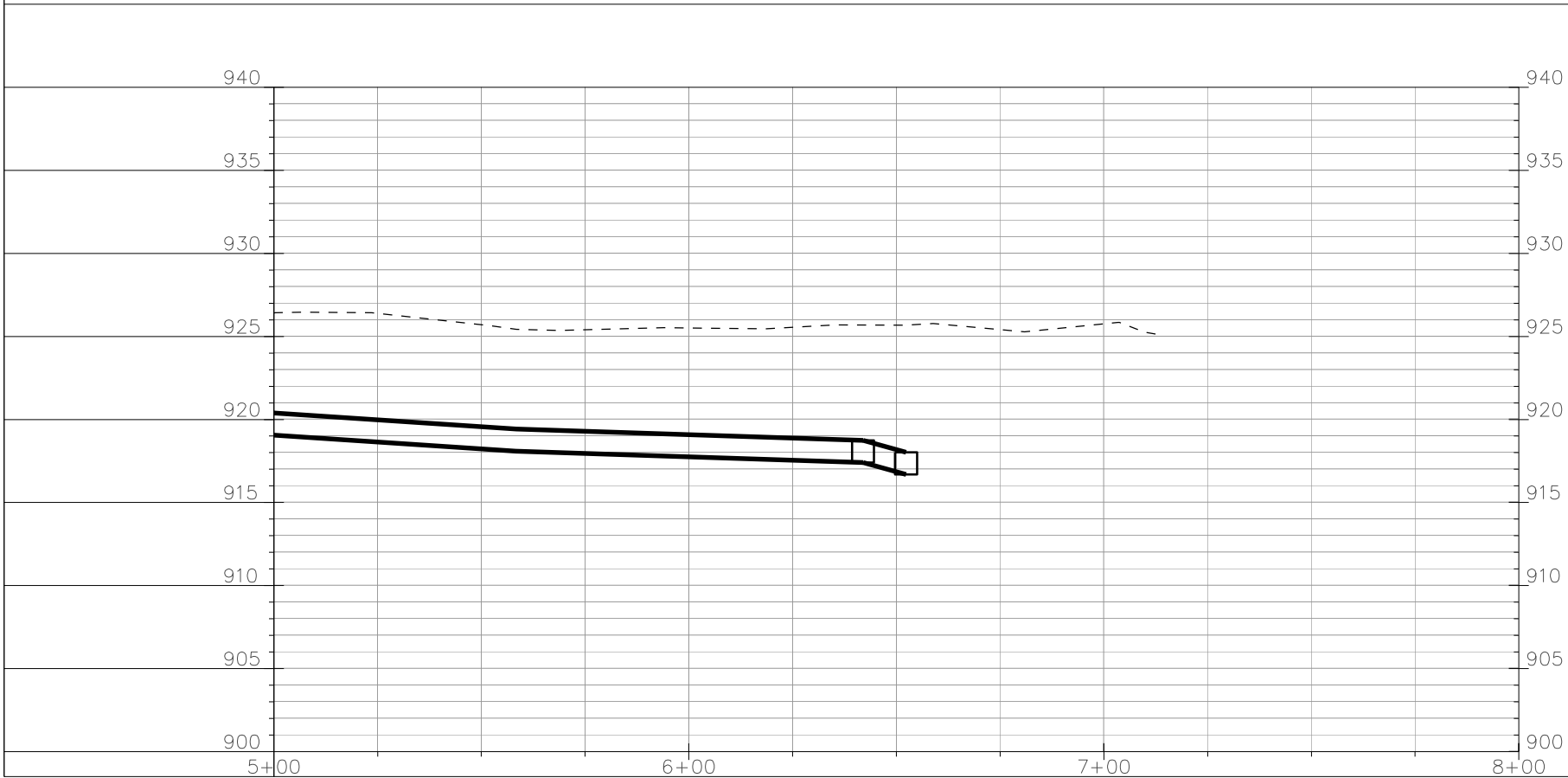
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



	MILL & OVERLAY
	SIDEWALK RESTORATION
	CURB & GUTTER RESTORATION
	ASPHALT PATH & CONCRETE STAIR RESTORATION
	RIP RAP RESTORATION
	TYPE I UTILITY TRENCH PATCH (CONC.)









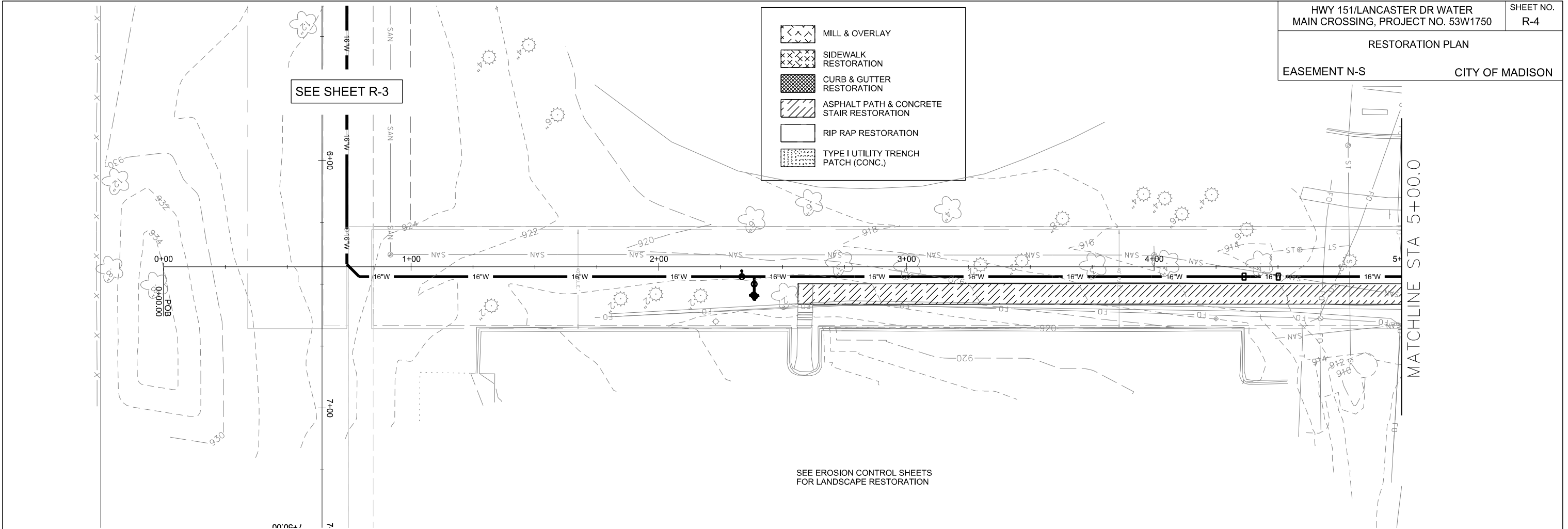
PLOT SCALE: _____

PLOT NAME: _____

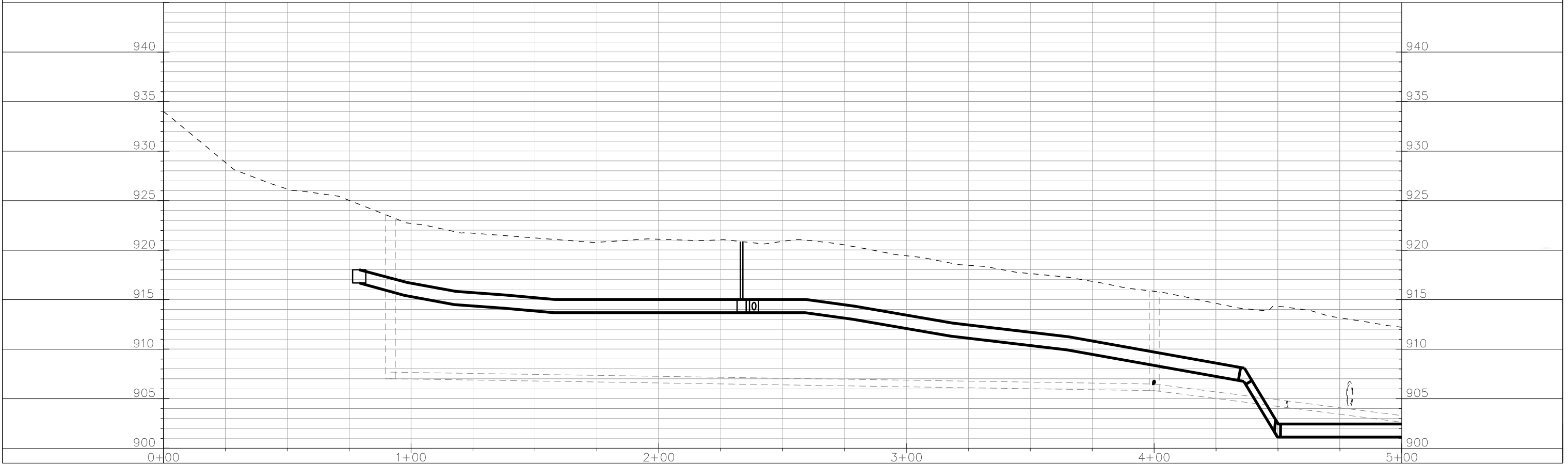
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

-  MILL & OVERLAY
-  SIDEWALK RESTORATION
-  CURB & GUTTER RESTORATION
-  ASPHALT PATH & CONCRETE STAIR RESTORATION
-  RIP RAP RESTORATION
-  TYPE I UTILITY TRENCH PATCH (CONC.)



SEE EROSION CONTROL SHEETS
 FOR LANDSCAPE RESTORATION









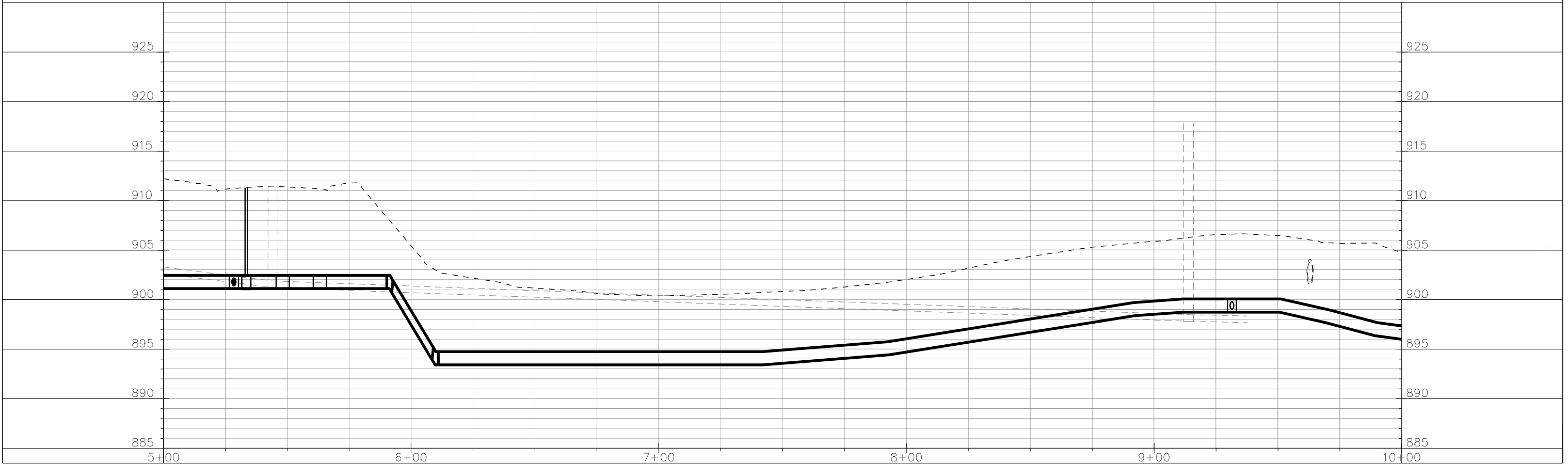
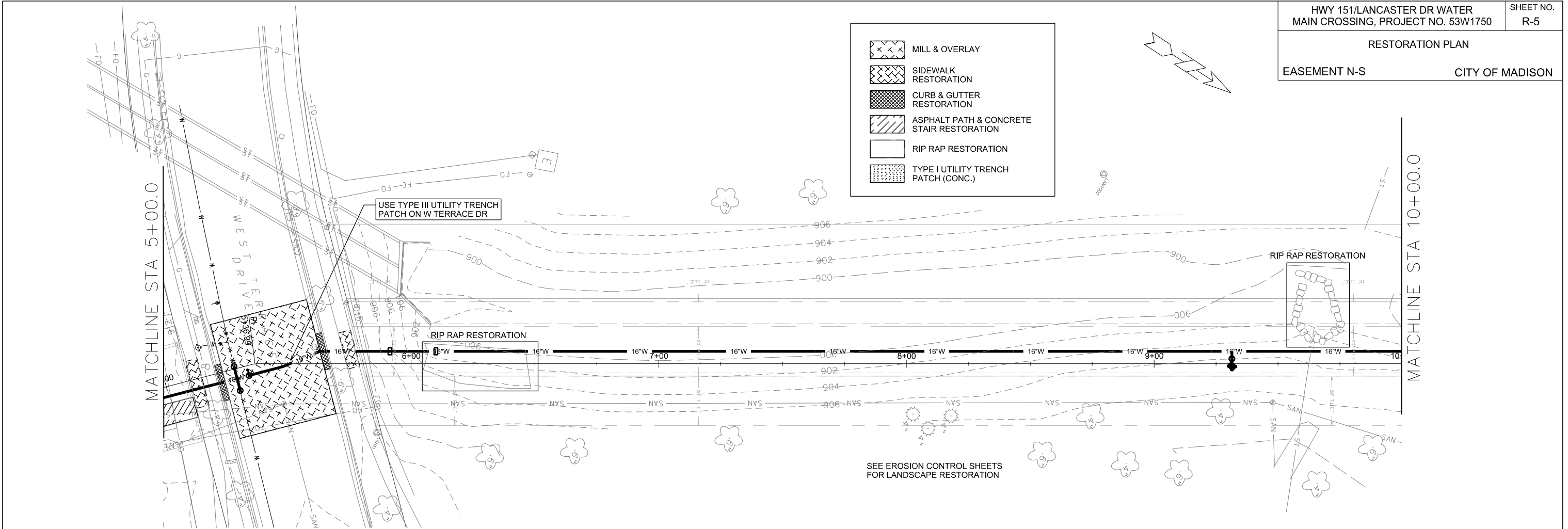
PLOT SCALE: _____

PLOT NAME: _____

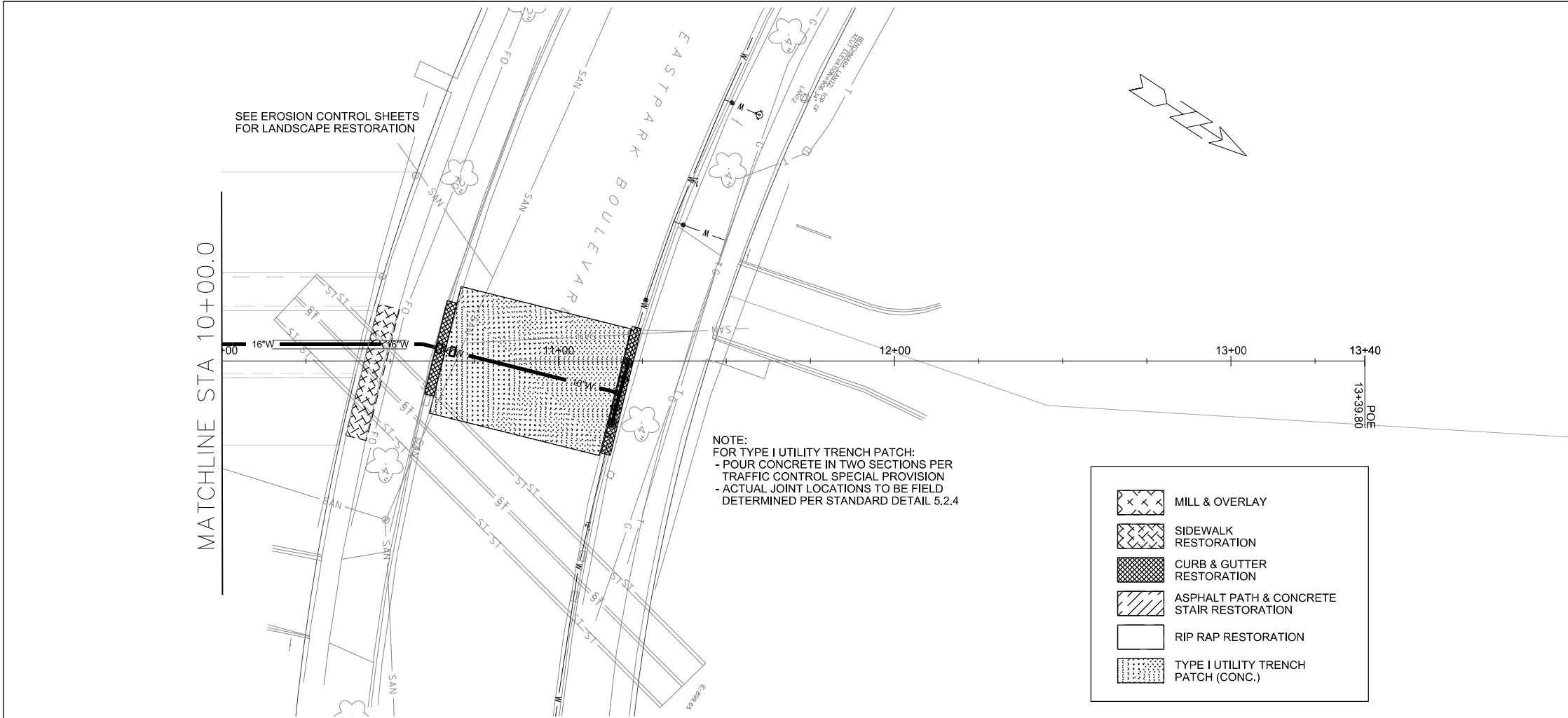
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

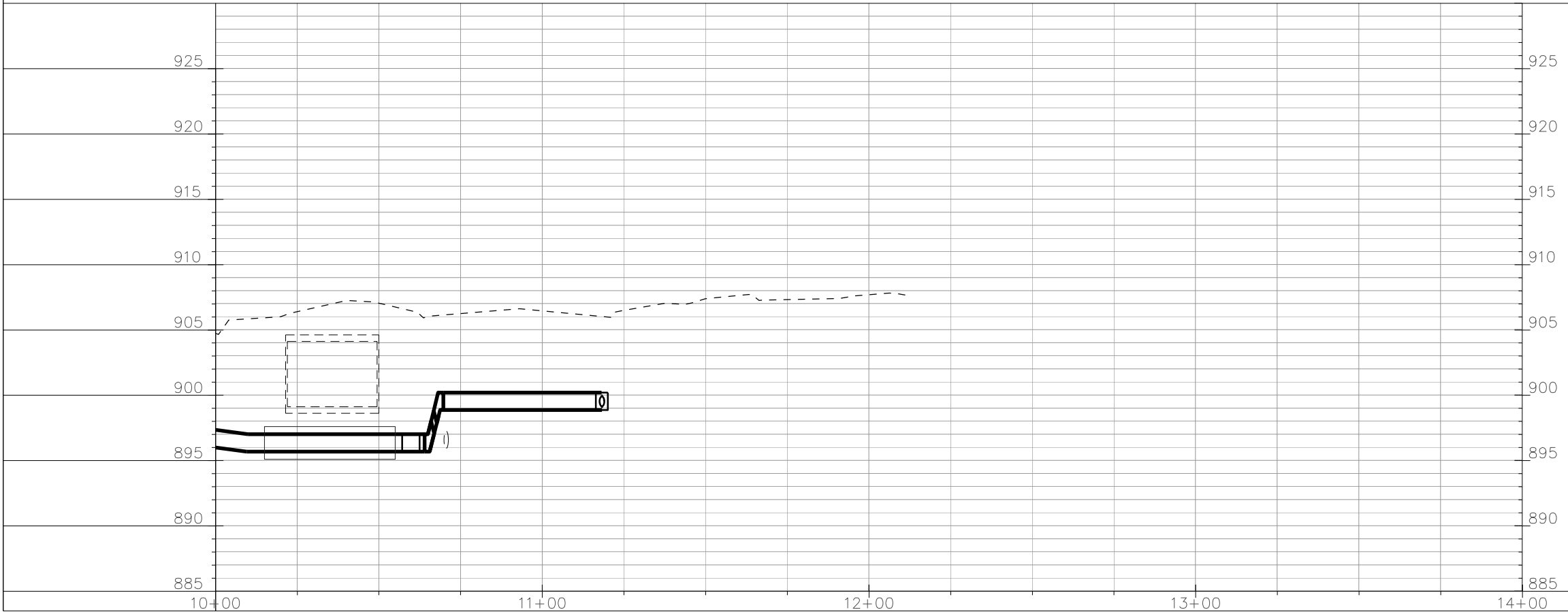
-  MILL & OVERLAY
-  SIDEWALK RESTORATION
-  CURB & GUTTER RESTORATION
-  ASPHALT PATH & CONCRETE STAIR RESTORATION
-  RIP RAP RESTORATION
-  TYPE I UTILITY TRENCH PATCH (CONC.)



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



- | | |
|--|---|
| | MILL & OVERLAY |
| | SIDEWALK RESTORATION |
| | CURB & GUTTER RESTORATION |
| | ASPHALT PATH & CONCRETE STAIR RESTORATION |
| | RIP RAP RESTORATION |
| | TYPE I UTILITY TRENCH PATCH (CONC.) |



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION