

Madison, Wisconsin

CITY OF MADISON

MADISON WATER UTILITY

DEPARTMENT OF PUBLIC WORKS

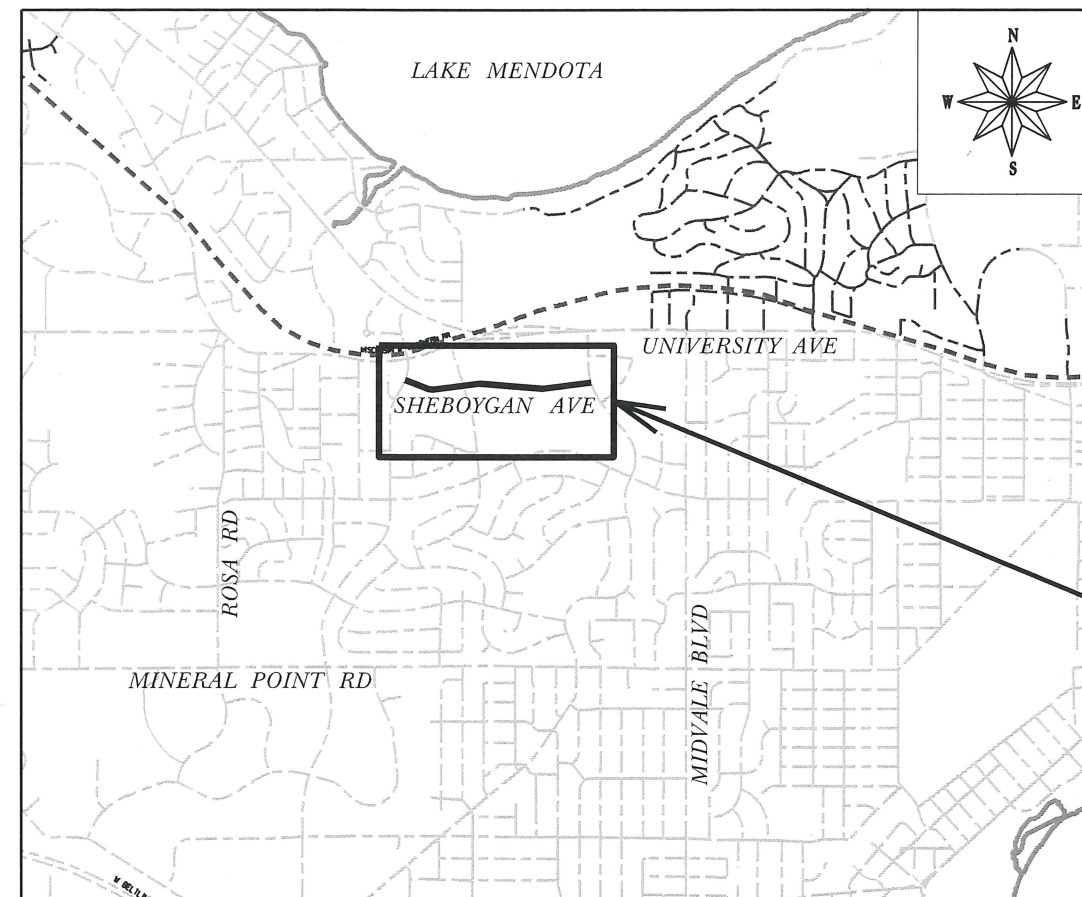
PLAN OF PROPOSED IMPROVEMENT

INDEX OF SHEETS

SHEET NO.	1	TITLE SHEET
SHEET NO.	EC-1 TO EC-6	EROSION CONTROL PLAN
SHEET NO.	W-1 TO W-6	WATER PLAN & PROFILE
SHEET NO.	W-7 TO W-10	WATER IMPACT PLAN
SHEET NO.	W-11	WATER PLAN OVERVIEW
SHEET NO.	W-12	WATER ESTIMATE OF MATERIALS
SHEET NO.	R-1 TO R-6	RESTORATION PLAN
SHEET NO.	TC-1	TRAFFIC CONTROL PLAN

SHEBOYGAN AVE WATER MAIN REPLACEMENT

CITY PROJECT NO. 86001
MUNIS NO. 86001
CONTRACT NO. 8017



PROJECT
LOCATION

CONVENTIONAL SIGNS FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

PUBLIC IMPROVEMENT PROJECT
APPROVED

MAY 16, 2017

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

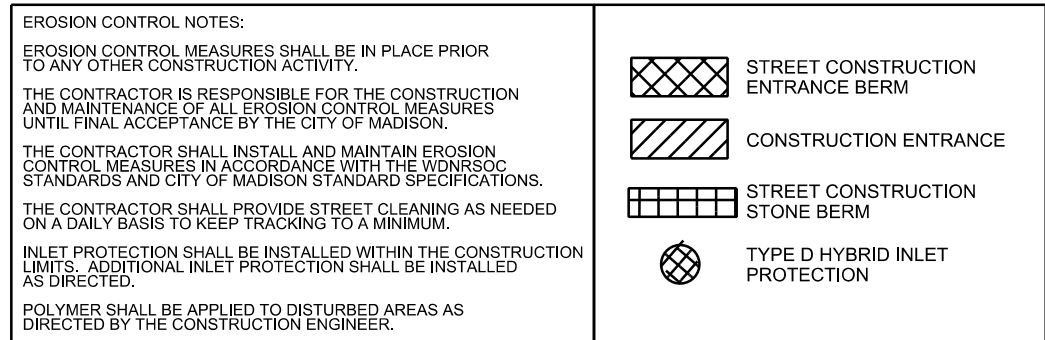
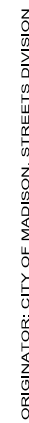
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

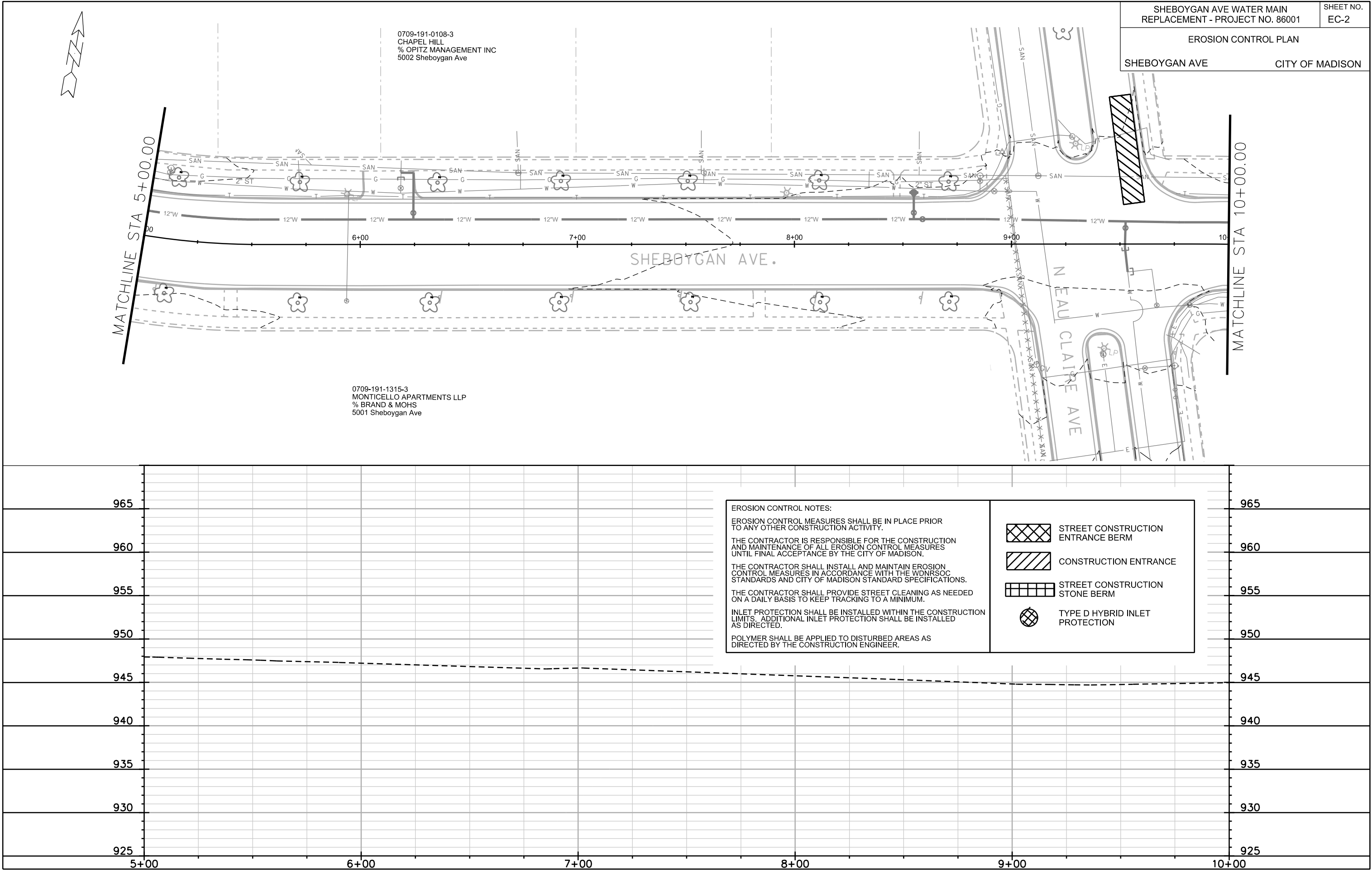
Principal Engineer
Madison Water Utility
Date 6/21/17

WATER
DESIGNED BY:



SHEBOYGAN AVE	CITY OF MADISON
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0709-191-0108-3
CHAPEL HILL
% OPITZ MANAGEMENT INC
5002 Sheboygan Ave

0709-191-1315-3
MONTICELLO APARTMENTS LLP
% BRAND & MOHS
5001 Sheboygan Ave

EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

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

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

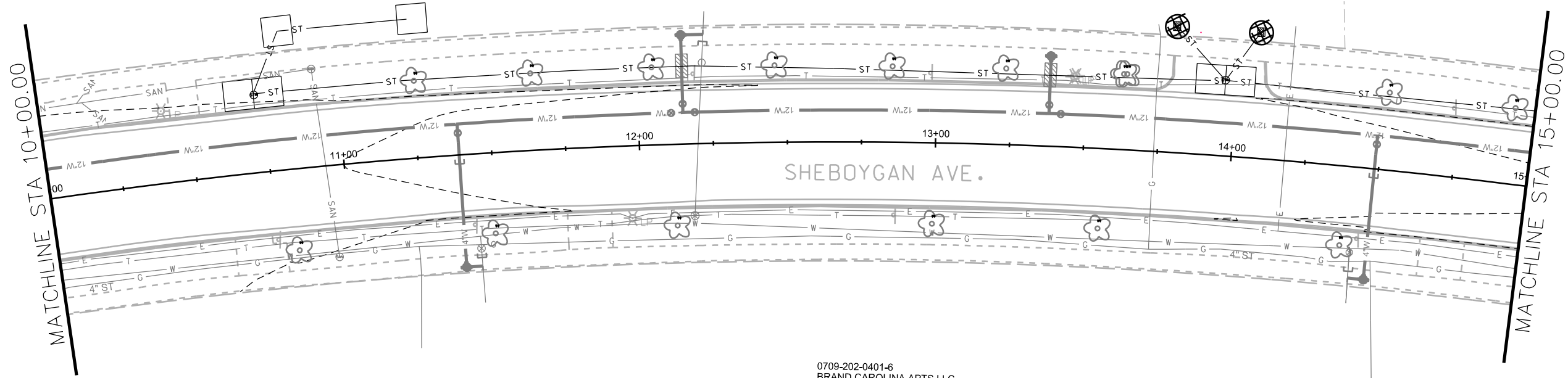
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.

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

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

- STREET CONSTRUCTION
ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- STREET CONSTRUCTION
STONE BERM
- TYPE D HYBRID INLET
PROTECTION

0709-202-0303-4
AMERICAN NATIONAL
RED CROSS
4860 Sheboygan Ave



0709-202-0401-6
BRAND CAROLINA APTS LLC
MOHS CAROLINA APTS LLC
4901 Sheboygan Ave

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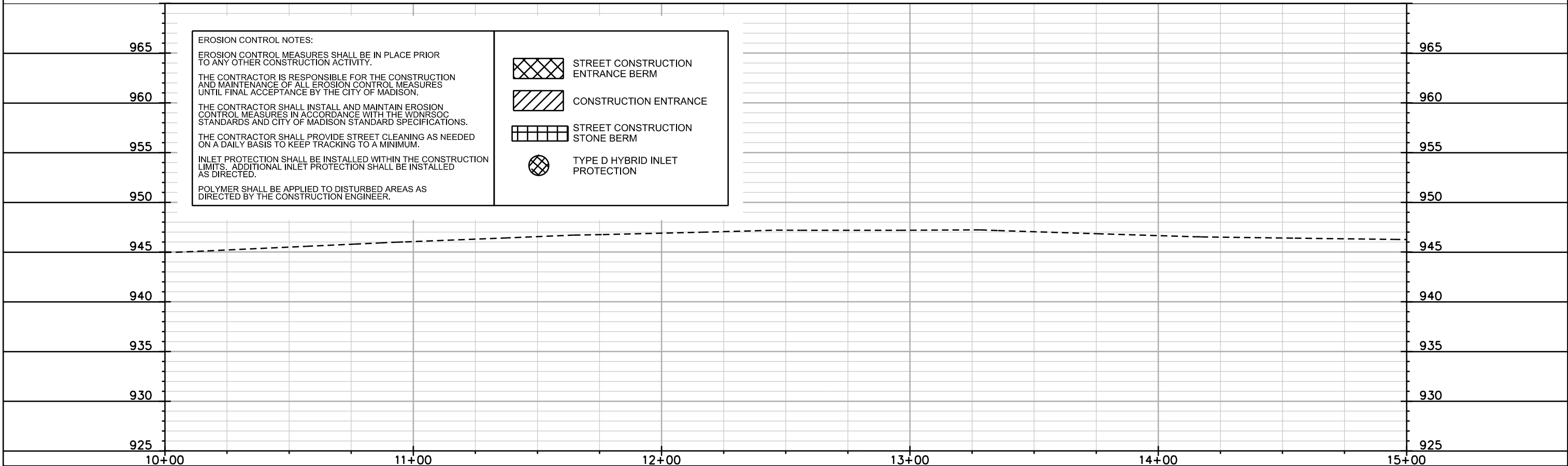
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STREET CONSTRUCTION ENTRANCE BERM

CONSTRUCTION ENTRANCE

STREET CONSTRUCTION STONE BERM





TYPE D HYBRID INLET PROTECTION

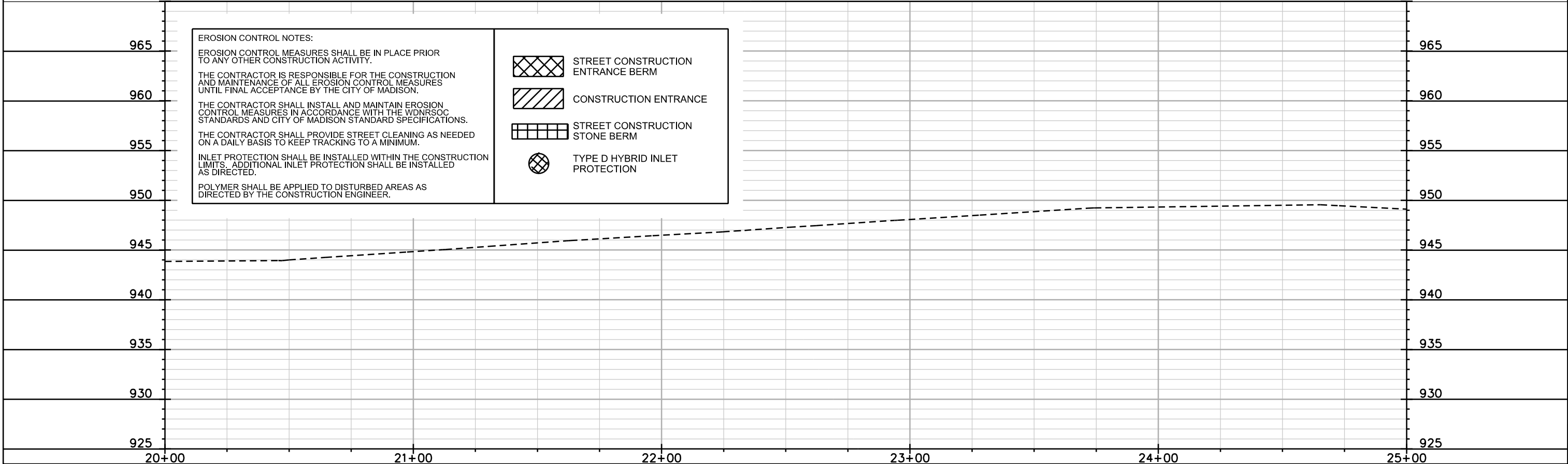
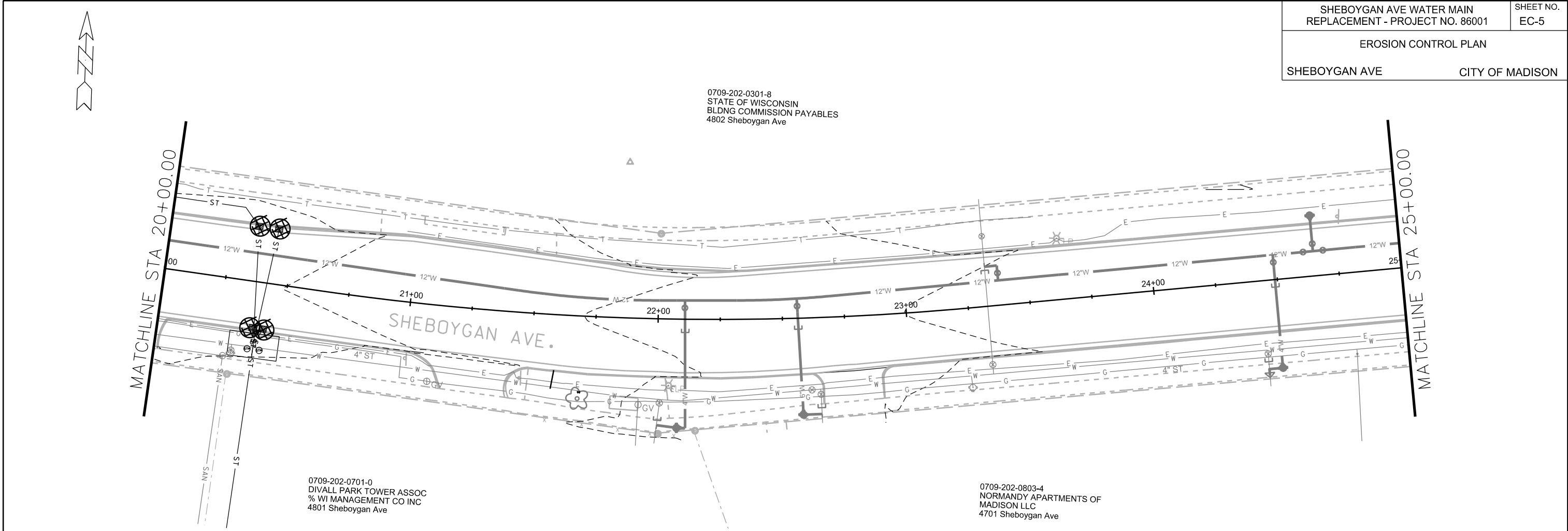


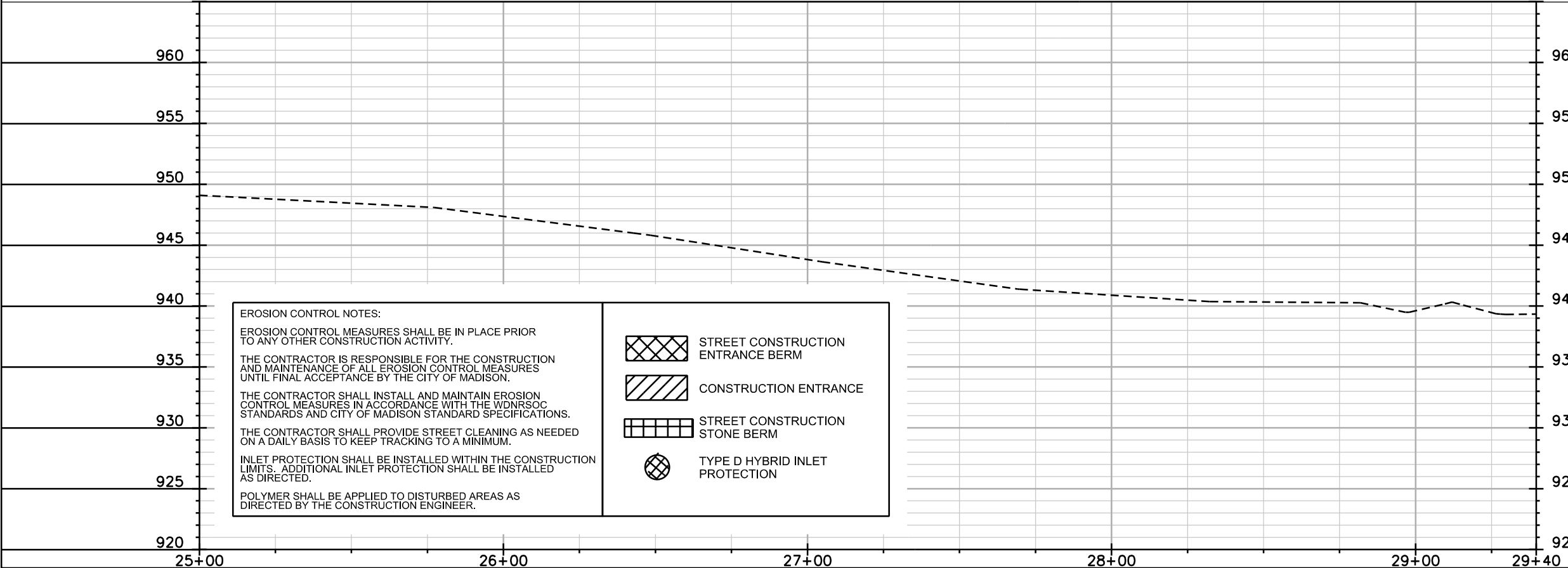
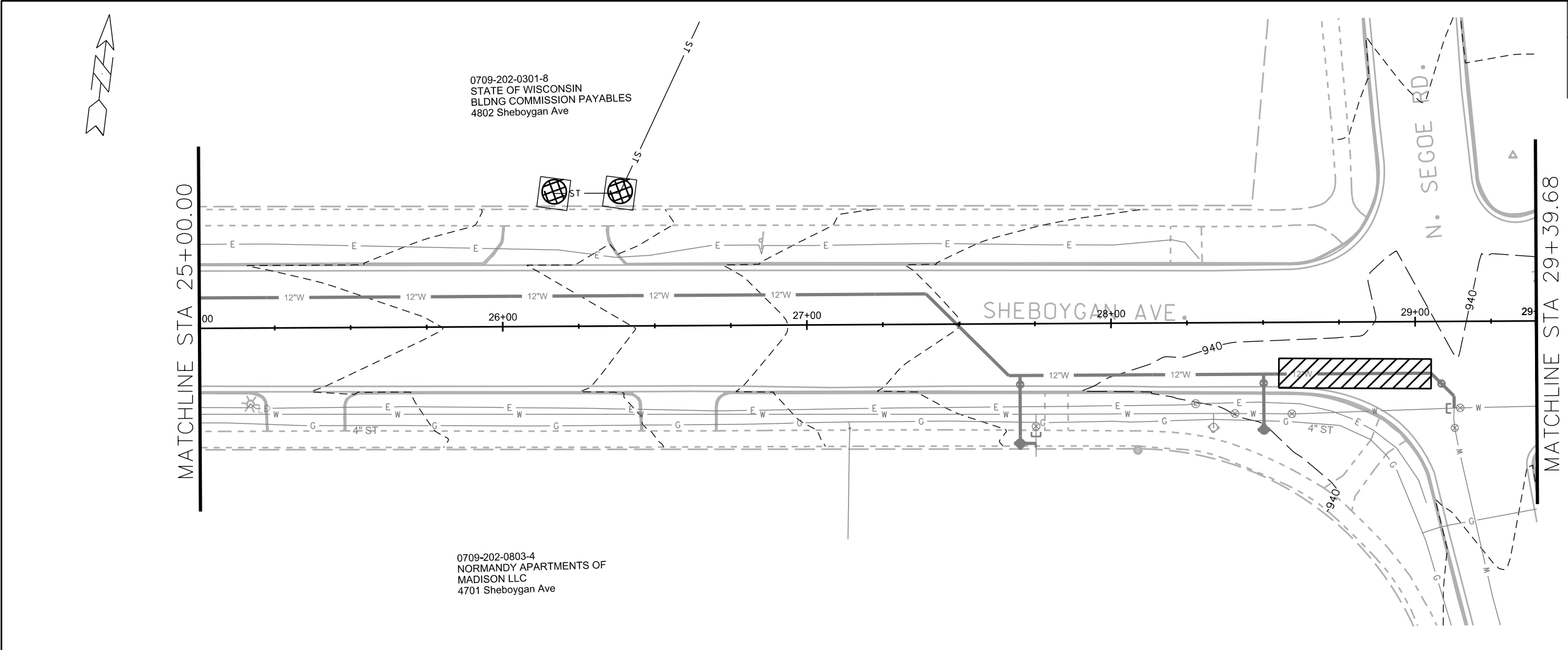
SHEBOYGAN AVE CITY OF MADISON

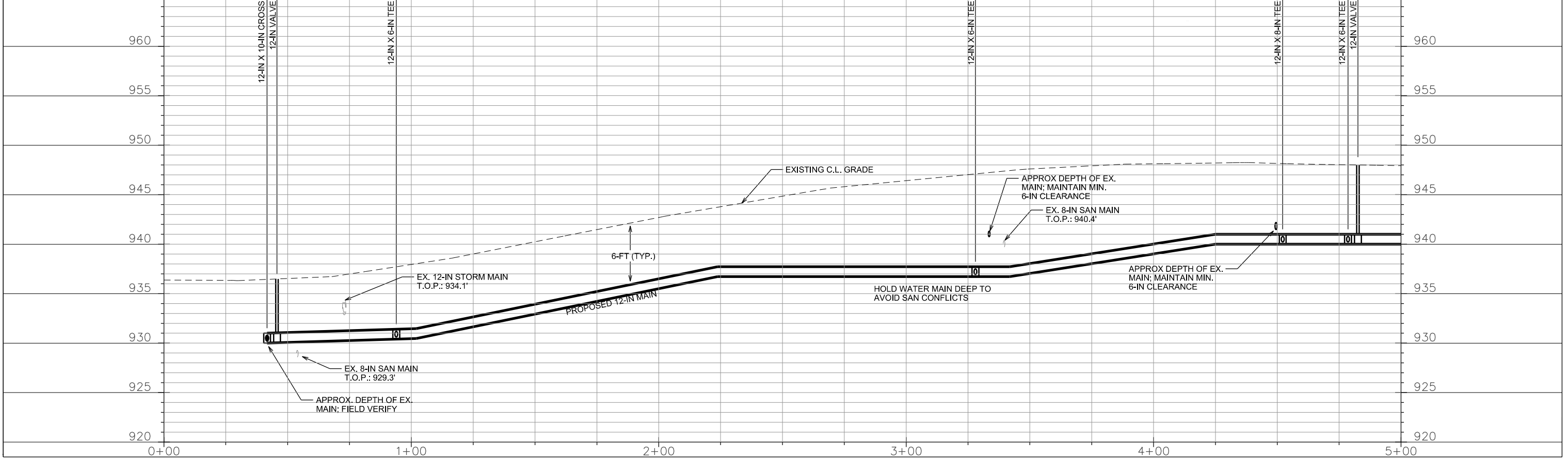
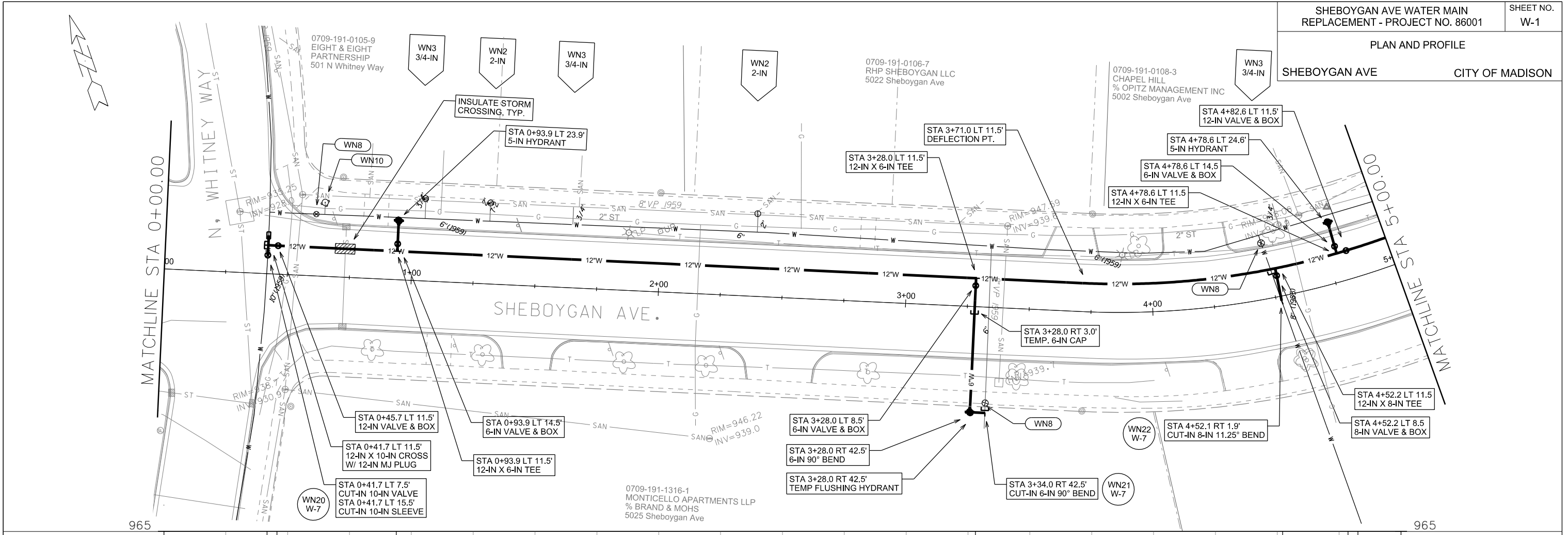


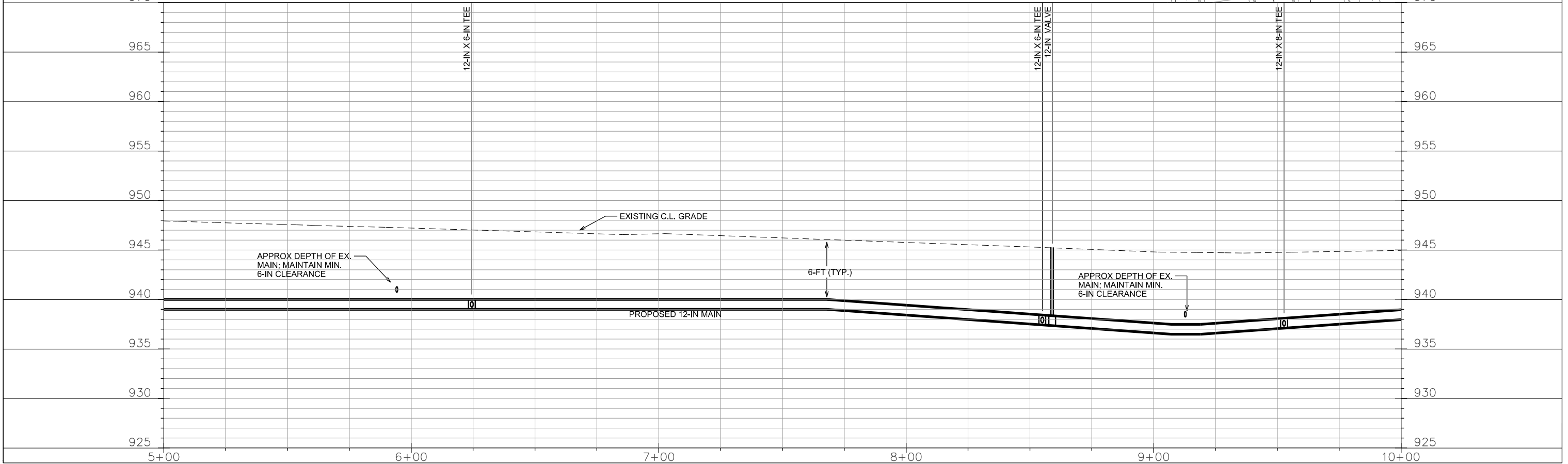
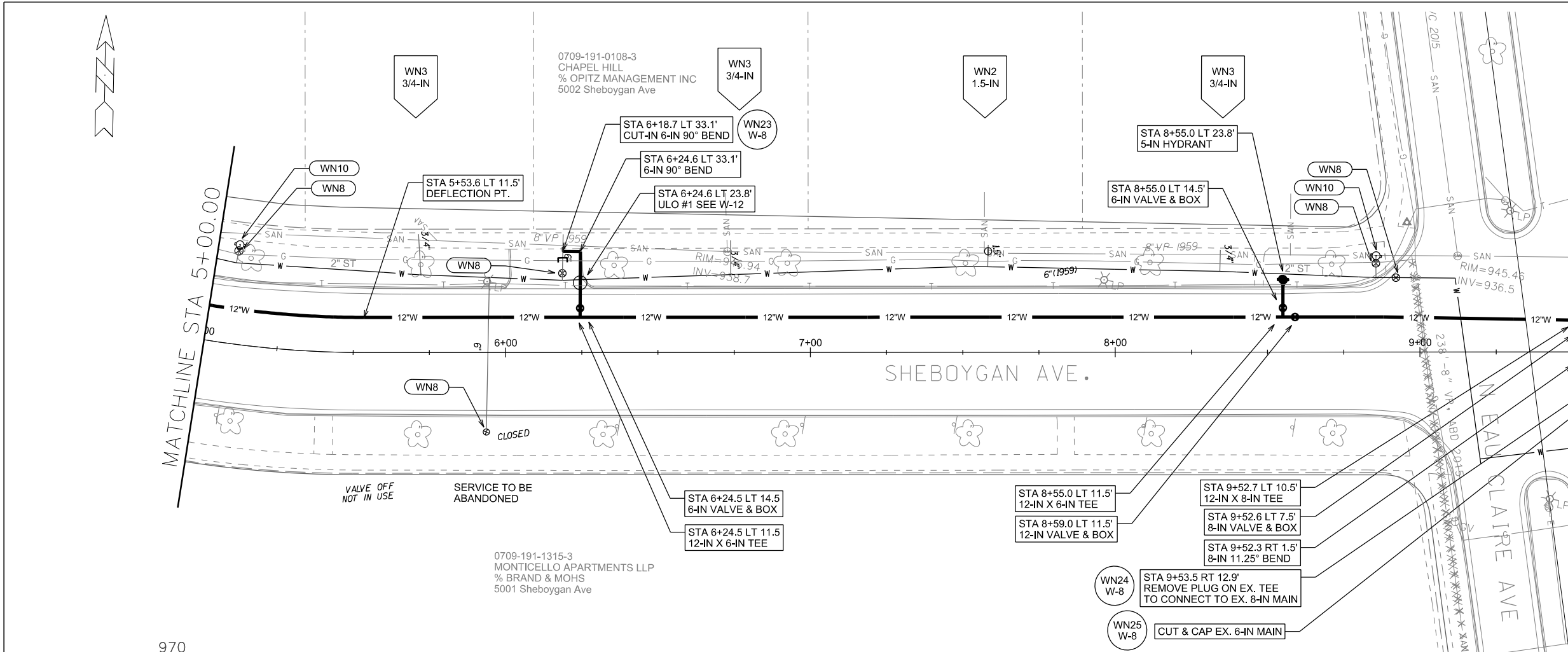
0709-202-0601-2
HILLDALE TOWERS
4817 Sheboygan Ave

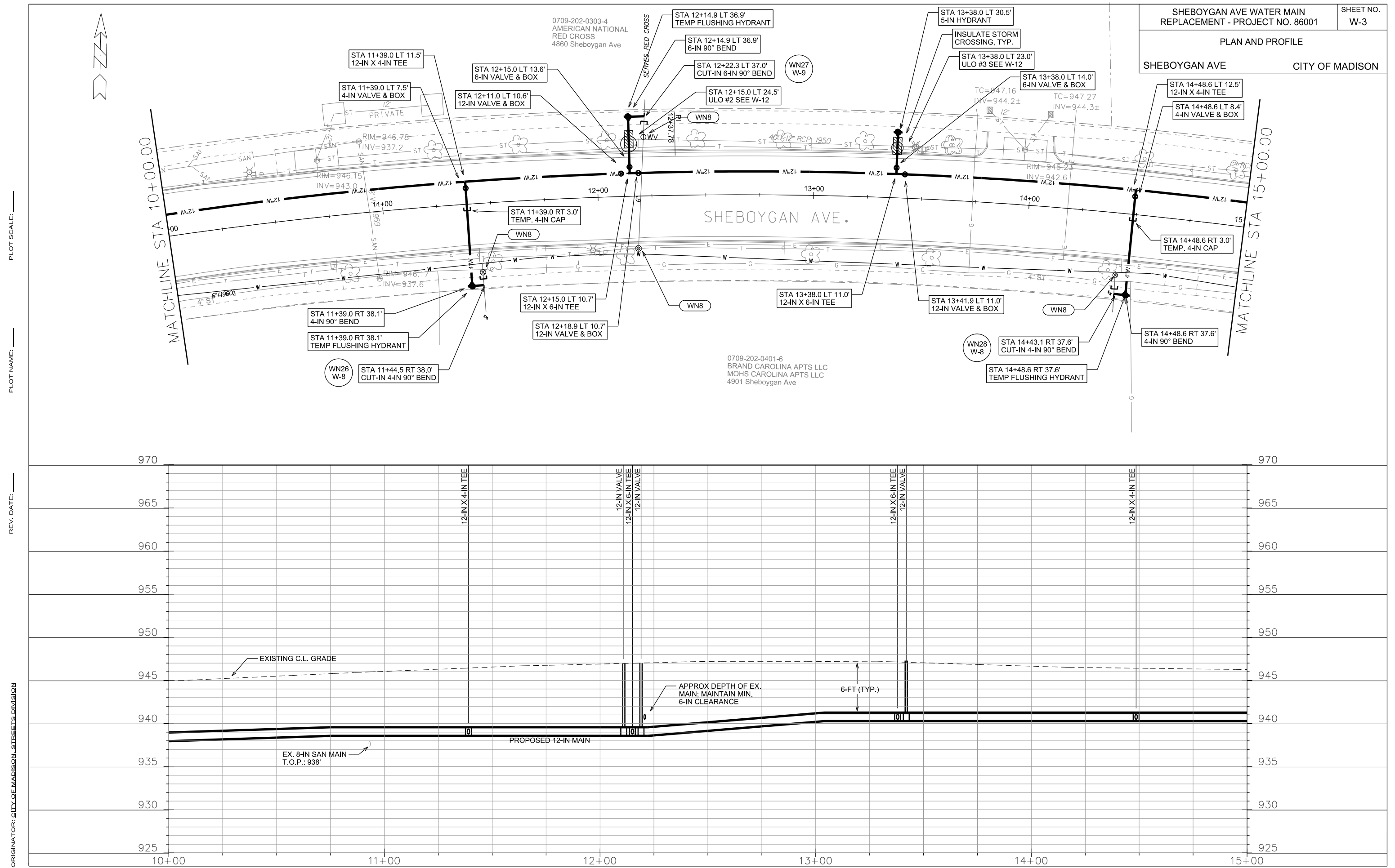
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	 <p>CONSTRUCTION ENTRANCE</p>
	 <p>STREET CONSTRUCTION STONE BERM</p>
	 <p>TYPE D HYBRID INLET PROTECTION</p>



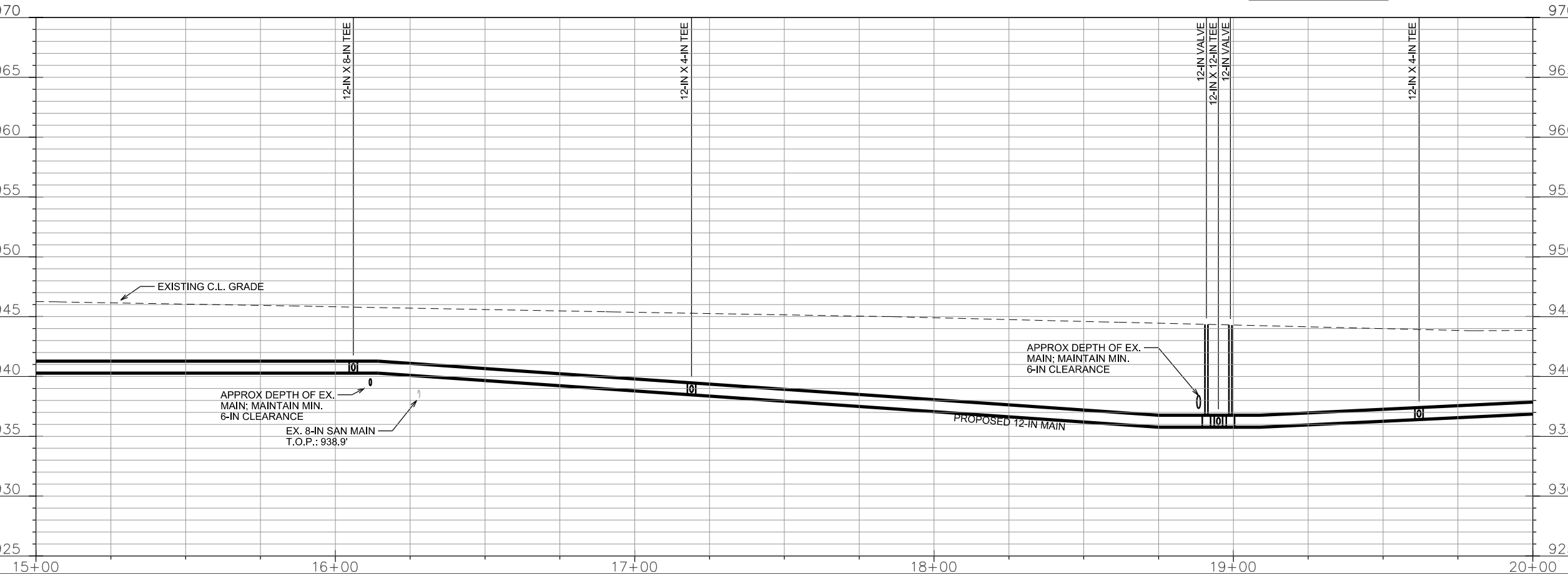


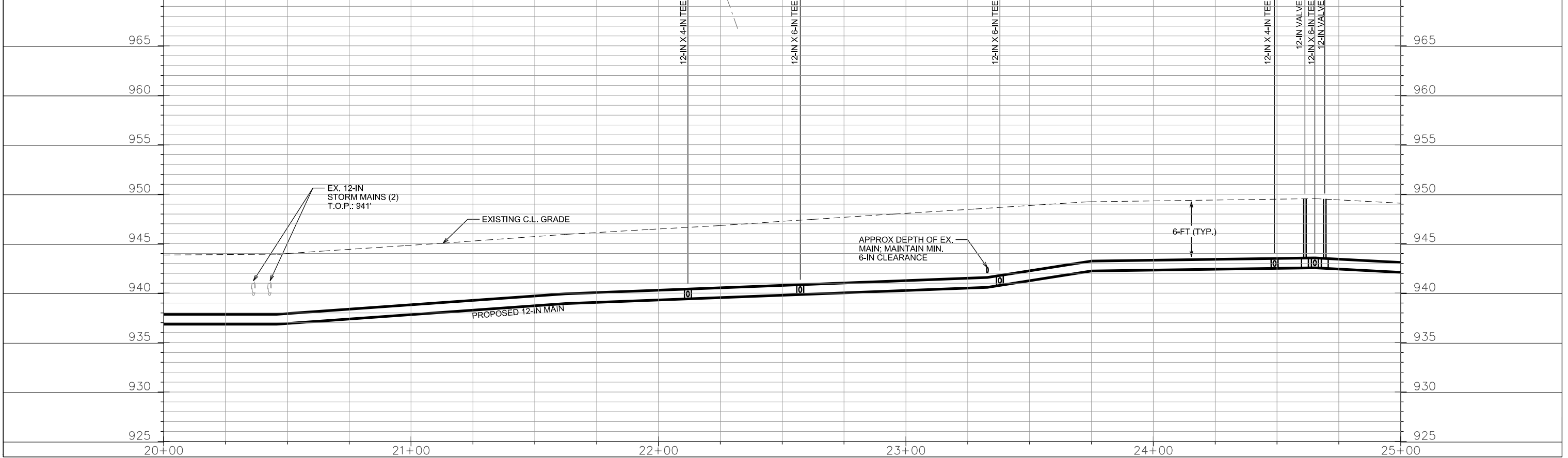
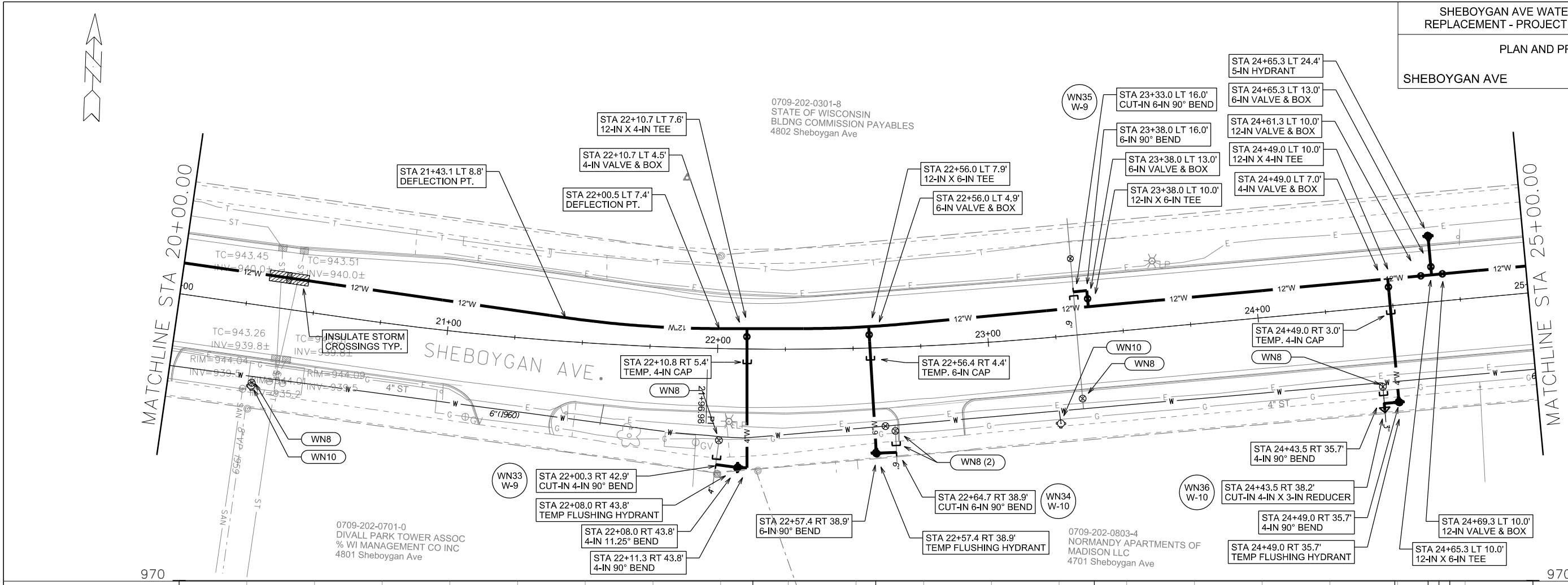


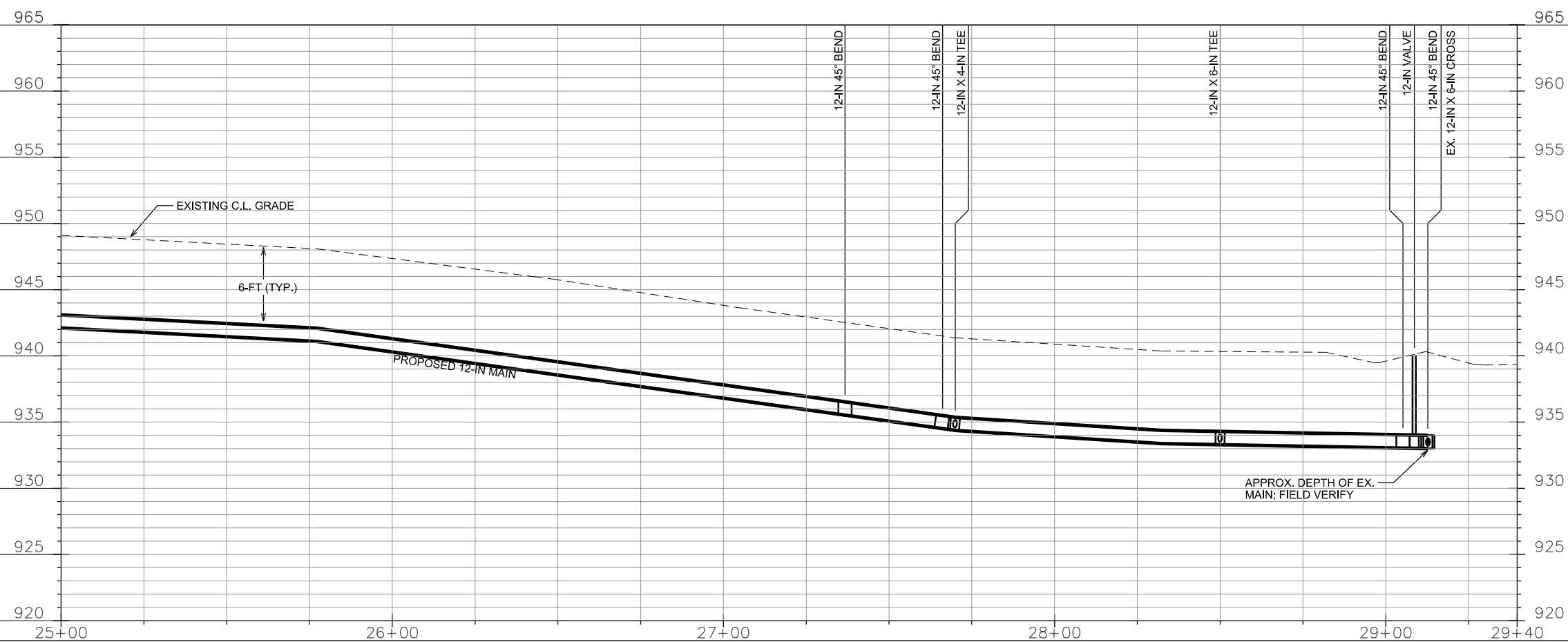
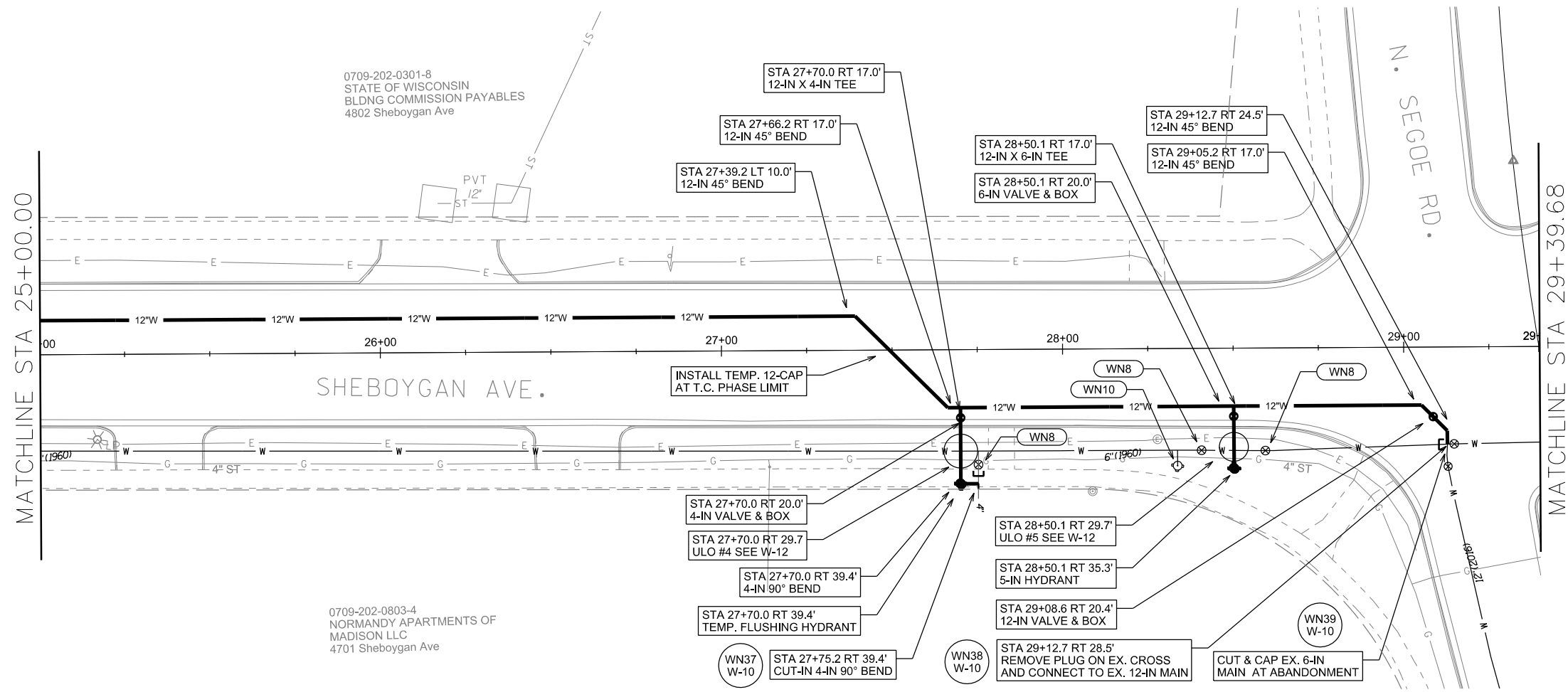


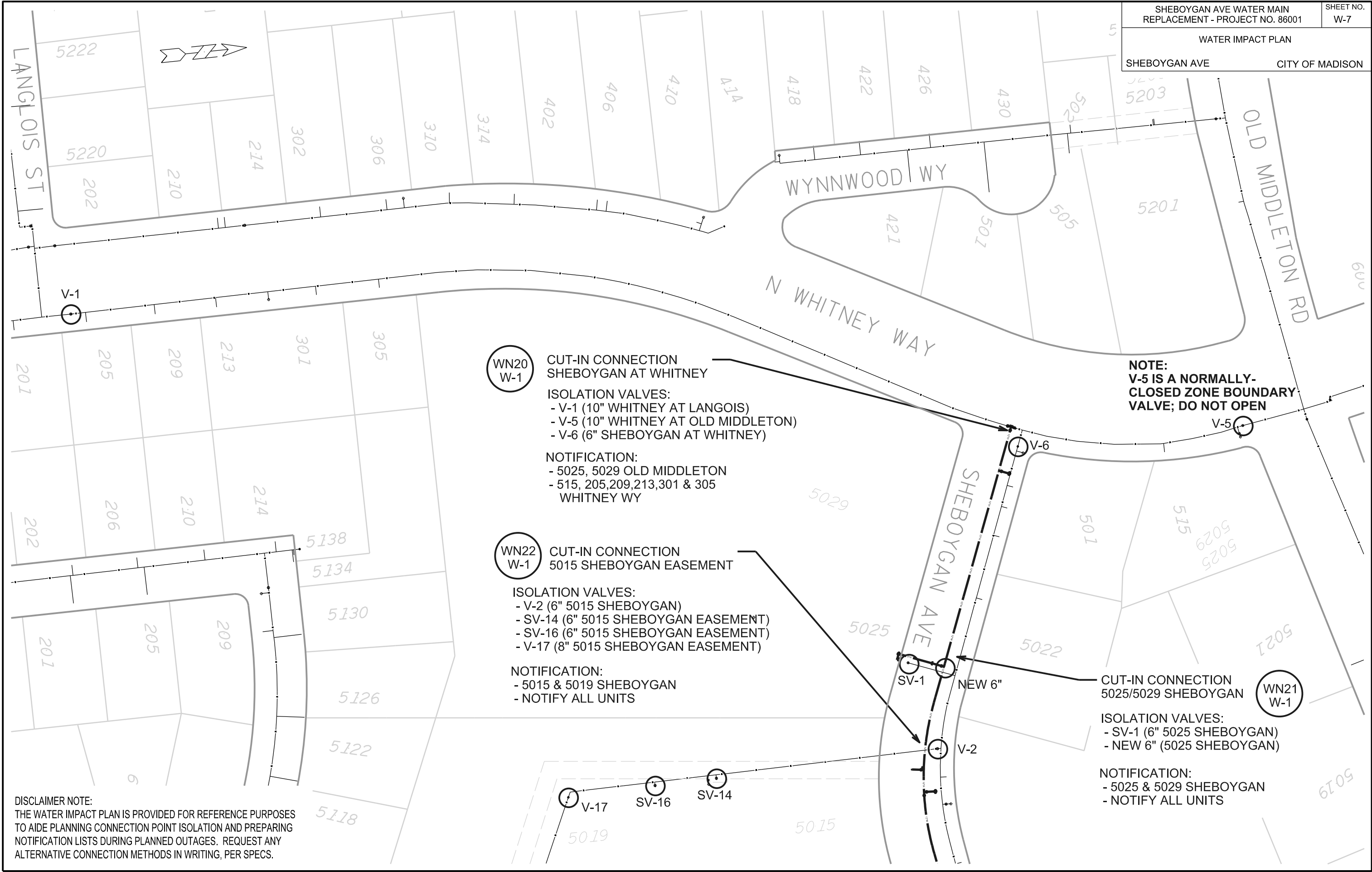


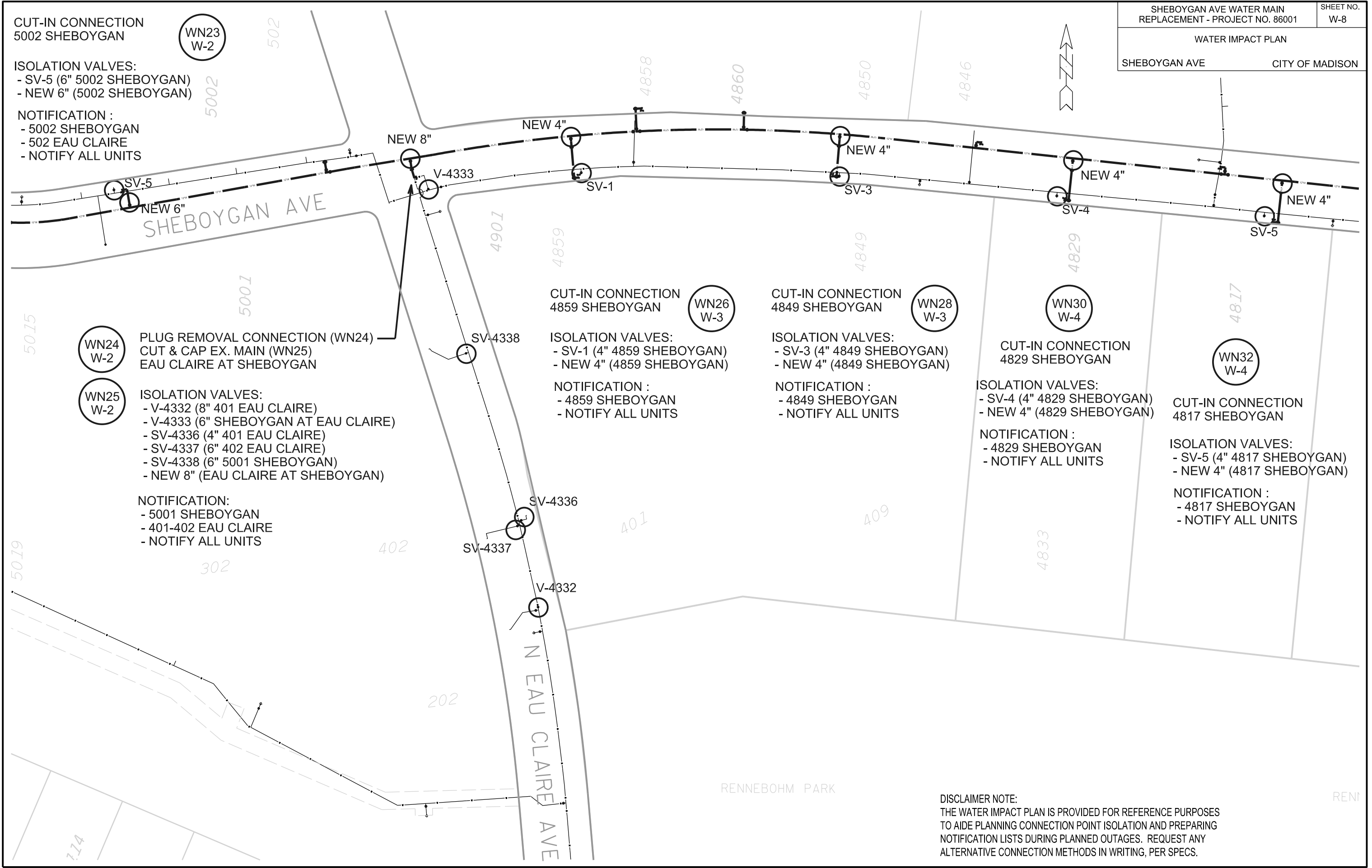
SHEBOYGAN AVE	CITY OF MADISON
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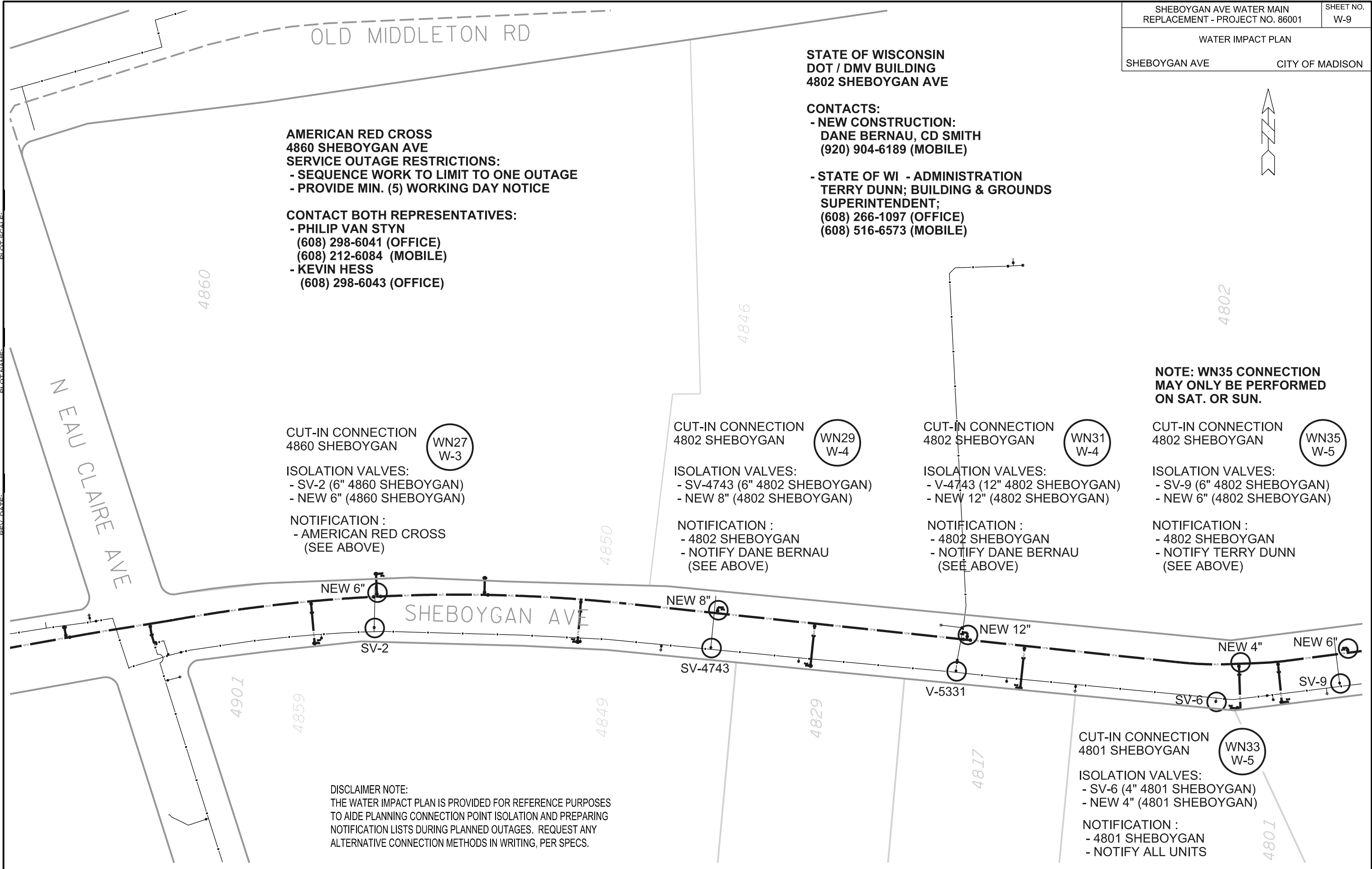


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SHEBOYGAN AVE WATER MAIN REPLACEMENT - PROJECT NO. 86001		SHEET NO. W-9
WATER IMPACT PLAN		
SHEBOYGAN AVE		CITY OF MADISON

AMERICAN RED CROSS
4860 SHEBOYGAN AVE
SERVICE OUTAGE RESTRICTIONS:
- SEQUENCE WORK TO LIMIT TO ONE OUTAGE
- PROVIDE MIN. (5) WORKING DAY NOTICE

CONTACT BOTH REPRESENTATIVES:
- PHILIP VAN STYN
(608) 298-6041 (OFFICE)
(608) 212-6084 (MOBILE)
- KEVIN HESS
(608) 298-6043 (OFFICE)

STATE OF WISCONSIN
DOT / DMV BUILDING
4802 SHEBOYGAN AVE

CONTACTS:
- NEW CONSTRUCTION:
DANE BERNAU, CD SMITH
(920) 904-6189 (MOBILE)

- STATE OF WI - ADMINISTRATION
TERRY DUNN; BUILDING & GROUNDS
SUPERINTENDENT;
(608) 266-1097 (OFFICE)
(608) 516-6573 (MOBILE)

NOTE: WN35 CONNECTION
MAY ONLY BE PERFORMED
ON SAT. OR SUN.

CUT-IN CONNECTION
4860 SHEBOYGAN (WN27 W-3)

ISOLATION VALVES:
- SV-2 (6" 4860 SHEBOYGAN)
- NEW 6" (4860 SHEBOYGAN)

NOTIFICATION :
- AMERICAN RED CROSS
(SEE ABOVE)

CUT-IN CONNECTION
4802 SHEBOYGAN (WN29 W-4)

ISOLATION VALVES:
- SV-4743 (6" 4802 SHEBOYGAN)
- NEW 8" (4802 SHEBOYGAN)

NOTIFICATION :
- 4802 SHEBOYGAN
- NOTIFY DANE BERNAU
(SEE ABOVE)

CUT-IN CONNECTION
4802 SHEBOYGAN (WN31 W-4)

ISOLATION VALVES:
- V-4743 (12" 4802 SHEBOYGAN)
- NEW 12" (4802 SHEBOYGAN)

NOTIFICATION :
- 4802 SHEBOYGAN
- NOTIFY DANE BERNAU
(SEE ABOVE)

CUT-IN CONNECTION
4802 SHEBOYGAN (WN35 W-5)

ISOLATION VALVES:
- SV-9 (6" 4802 SHEBOYGAN)
- NEW 6" (4802 SHEBOYGAN)

NOTIFICATION :
- 4802 SHEBOYGAN
- NOTIFY TERRY DUNN
(SEE ABOVE)

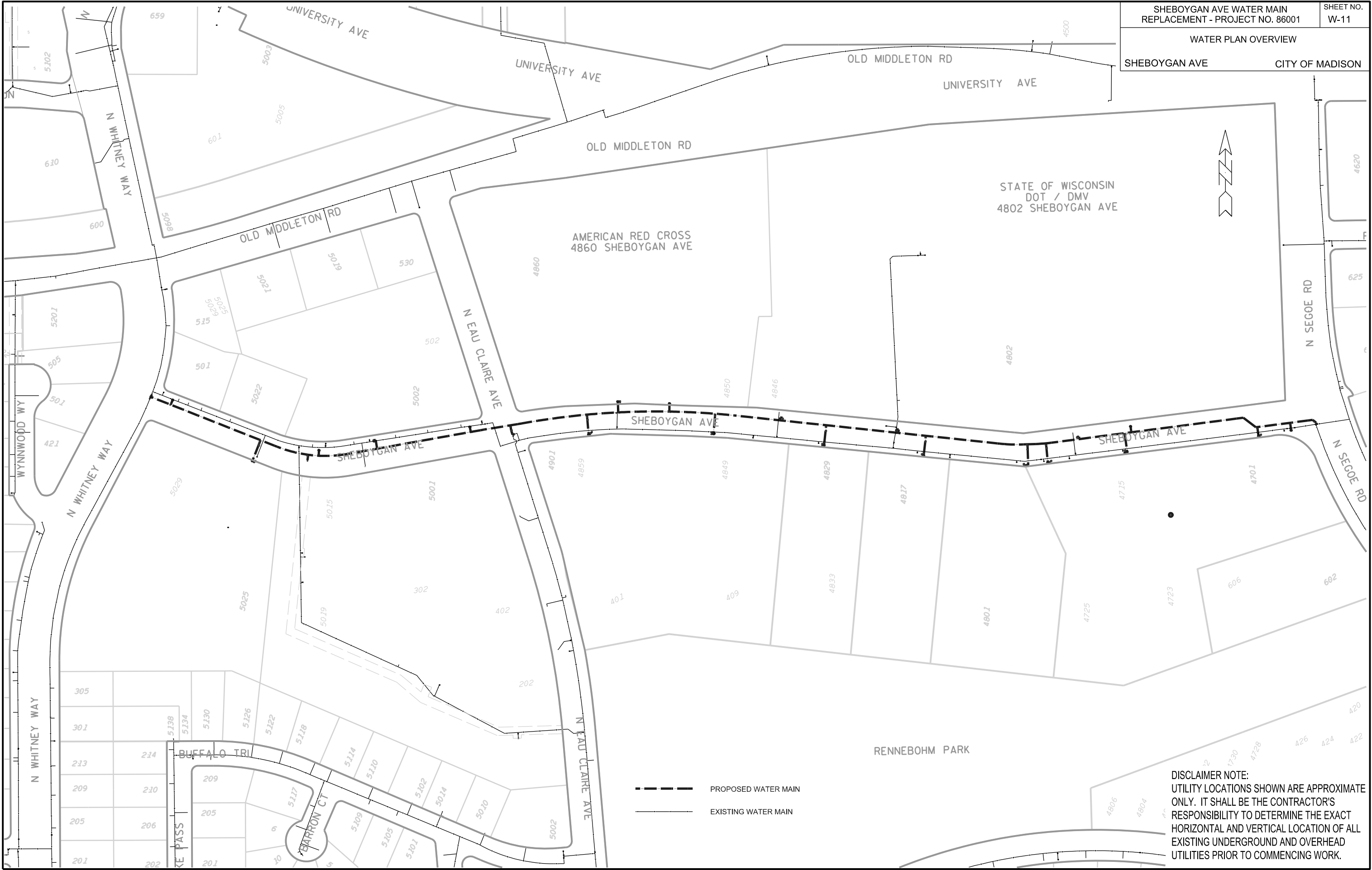
CUT-IN CONNECTION
4801 SHEBOYGAN (WN33 W-5)

ISOLATION VALVES:
- SV-6 (4" 4801 SHEBOYGAN)
- NEW 4" (4801 SHEBOYGAN)

NOTIFICATION :
- 4801 SHEBOYGAN
- NOTIFY ALL UNITS

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





SHEBOYGAN AVE WATER MAIN REPLACEMENT - PROJECT NO. 86001	SHEET NO. W-11
WATER PLAN OVERVIEW	
SHEBOYGAN AVE	CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: \$\$....designfile....\$\$

DATE: \$\$...plottingdate...\$\$

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 NOTFICATION INFORMATION.

SHEBOYGAN AVE WATER MAIN REPAACEMENT - PROJECT NO 86001	SHEET NO. W-12
WATER ESTIMATE OF MATERIALS	
SHEBOYGAN AVE	CITY OF MADISON

WATER UTILITY ULO SCHEDULE:

ULO	UTILITY	STATION	OFFSET	SHEET
#1	TEL/WAT	6+24.5	LT 23.8'	W-2
#2	TEL/STM	12+15.0	LT 24.5'	W-3
#3	TEL/STM	13+38.0	LT 23.0'	W-3
#4	ELEC/WAT/GAS	27+70.0	LT 29.7'	W-6
#5	ELEC/WAT/GAS	28+50.0	LT 29.7'	W-6

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

380-FT - 4-IN PIPE	1 - 4-IN 11.25° BEND
280-FT - 6-IN PIPE	14 - 4-IN 90° BEND
60-FT - 8-IN PIPE	
10-FT - 10-IN PIPE	10 - 6-IN 90° BEND
2900-FT - 12-IN PIPE	
7- 4-IN VALVE & BOX	2 - 8-IN 11.25° BEND
11 - 6-IN VALVE & BOX	2 - 8-IN 90° BEND
3 - 8-IN VALVE & BOX	
1 - 10-IN VALVE & BOX	4 - 12-IN 45° BEND
12 - 12-IN VALVE & BOX	2 - 12-IN 90° BEND
7 - 12-IN X 4-IN TEE	6 - 4-IN MJ CAP
11 - 12-IN X 6-IN TEE	3 - 6-IN MJ CAP
3 - 12-IN X 8-IN TEE	1 - 8-IN MJ CAP
1 - 12-IN X 12-IN TEE	
1 - 12-IN X 10-IN CROSS	2 - 6-IN MJ PLUG
	1 - 8-IN MJ PLUG
	1 - 12-IN MJ PLUG
1 - 4-IN X 3-IN REDUCER	6 - 5-IN HYDRANT
	10 - TEMP. FLUSHING HYDRANTS & REQ'D REDUCERS
	40-FT - 2-IN STYROFOAM INSULATION
	4175-FT - POLY WRAP
	1-IN - 2-IN COPPER (AS REQ'D)

MATERIALS SUPPLIED BY CITY:

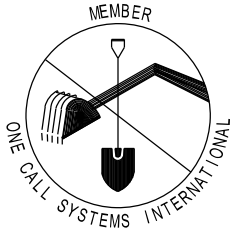
** ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.*

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.

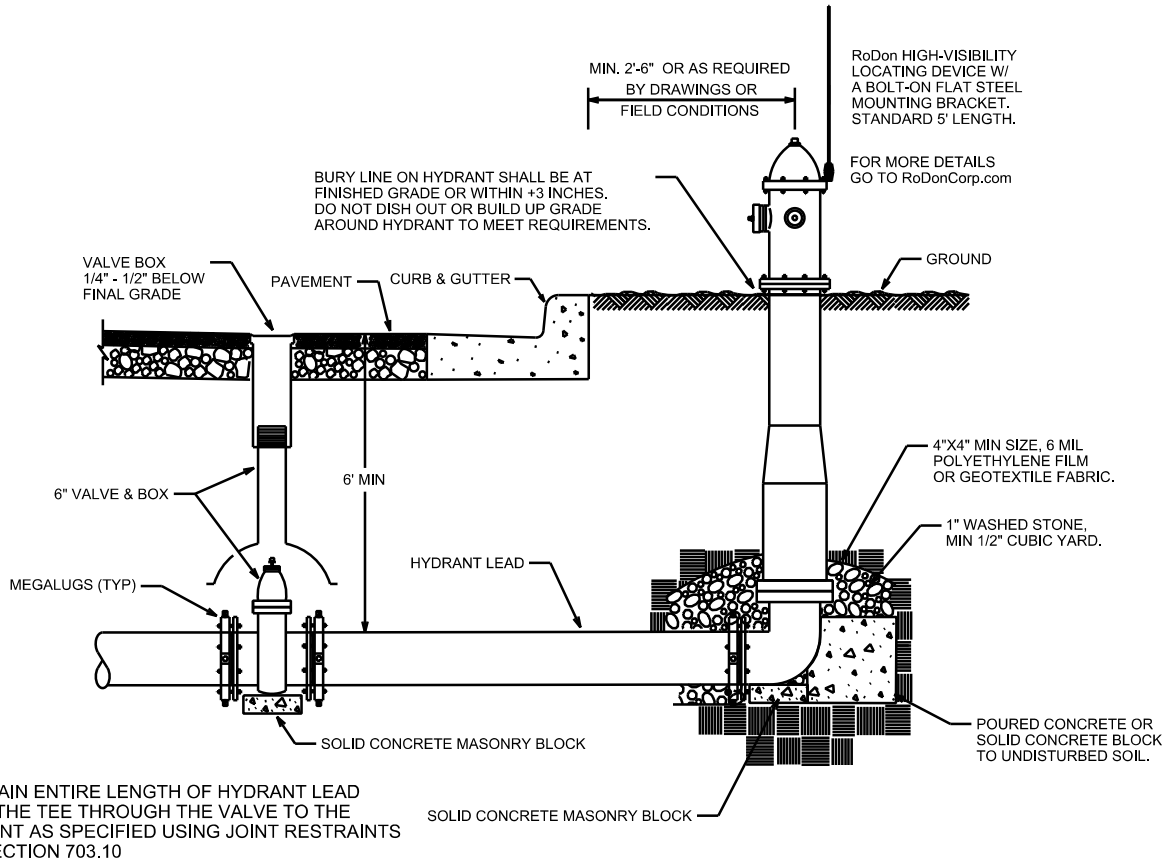


DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

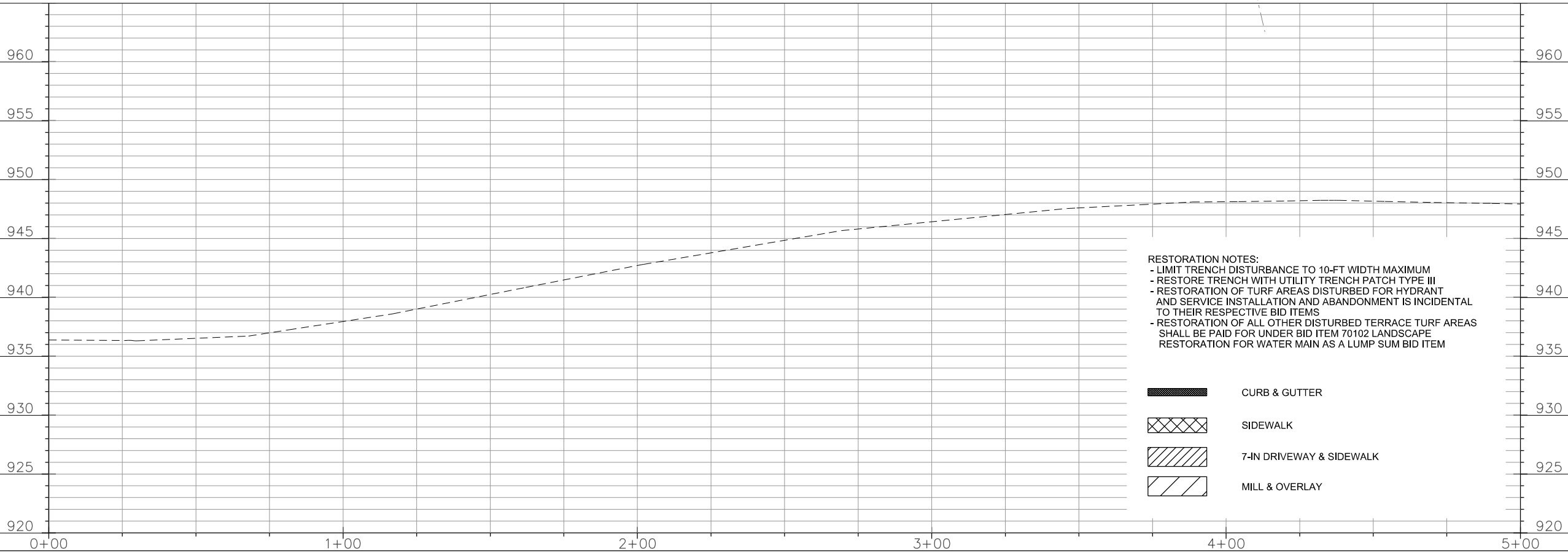
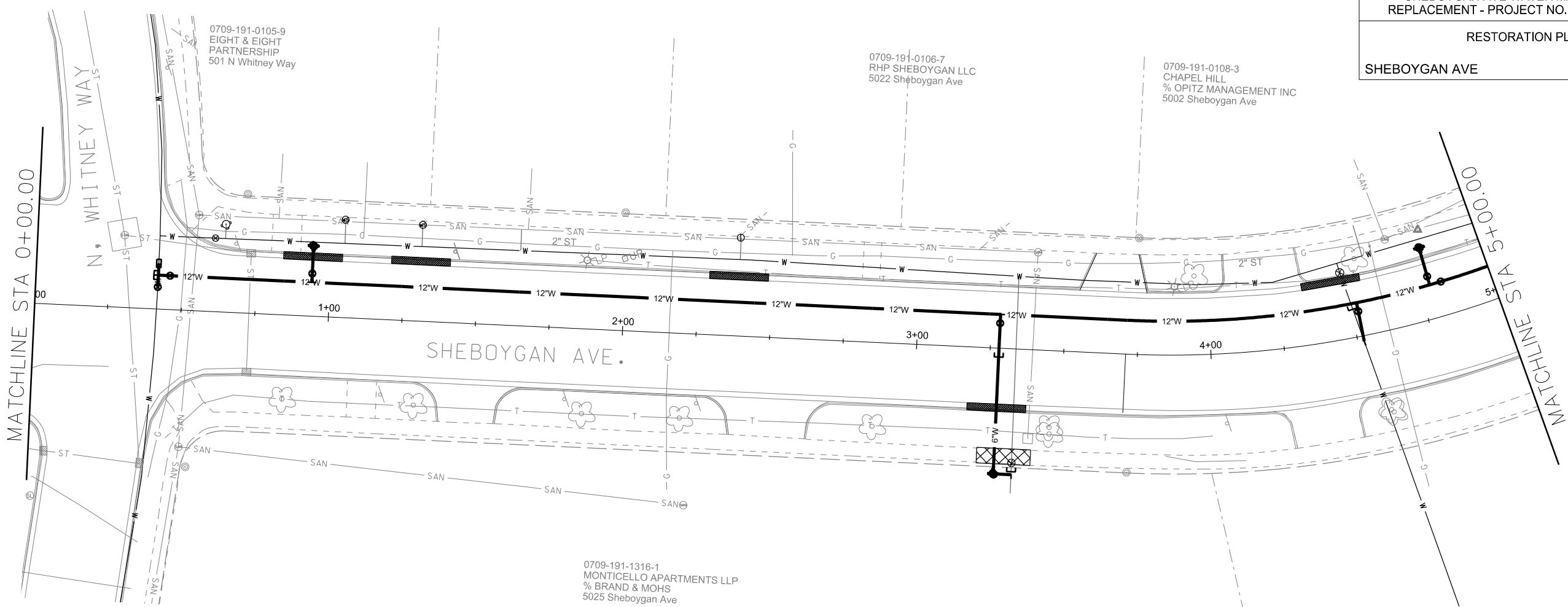
REVISED: 12/2015



CITY OF MADISON
WATER UTILITY

NOT TO SCALE

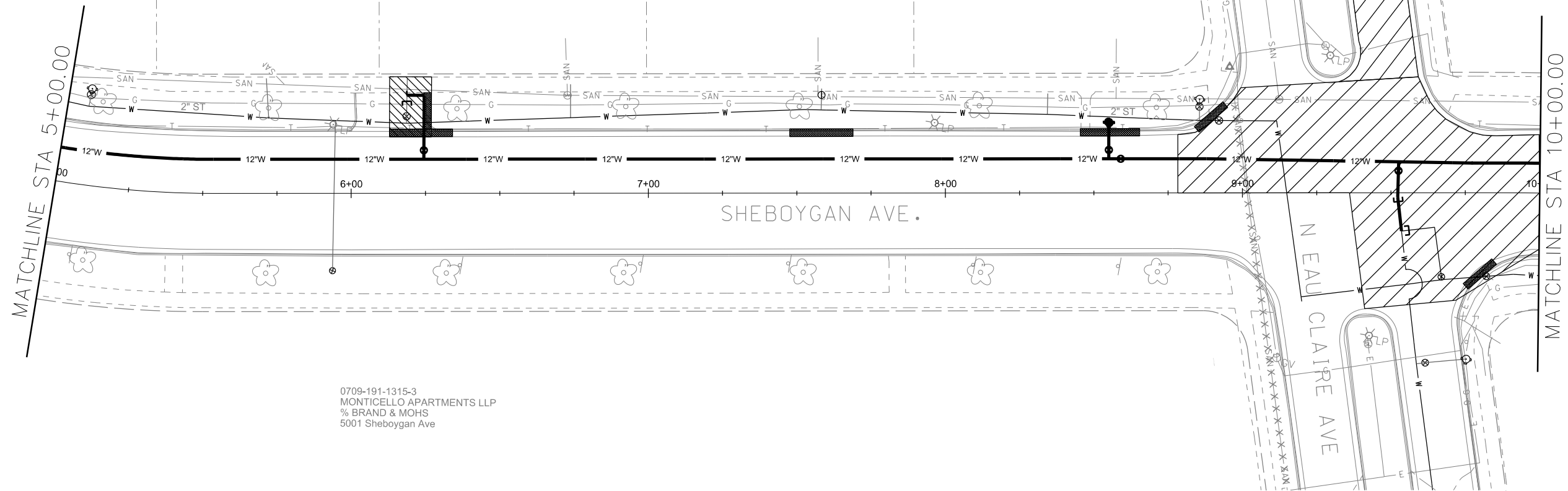
TYPICAL HYDRANT INSTALLATION



RESTORATION NOTES:
- LIMIT TRENCH DISTURBANCE TO 10-FT WIDTH MAXIMUM
- RESTORE TRENCH WITH UTILITY TRENCH PATCH TYPE III
- RESTORATION OF TURF AREAS DISTURBED FOR HYDRANT AND SERVICE INSTALLATION AND ABANDONMENT IS INCIDENTAL TO THEIR RESPECTIVE BID ITEMS
- RESTORATION OF ALL OTHER DISTURBED TERRACE TURF AREAS SHALL BE PAID FOR UNDER BID ITEM 70102 LANDSCAPE RESTORATION FOR WATER MAIN AS A LUMP SUM BID ITEM

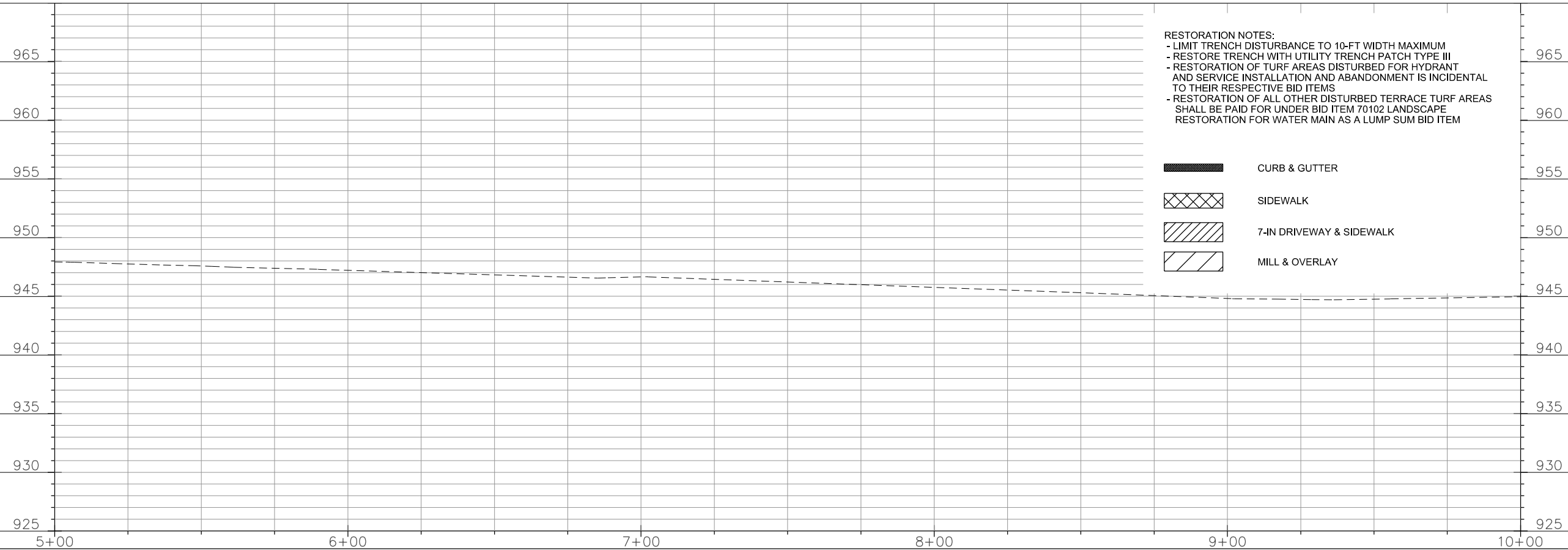
- CURB & GUTTER
- SIDEWALK
- 7-IN DRIVEWAY & SIDEWALK
- MILL & OVERLAY

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

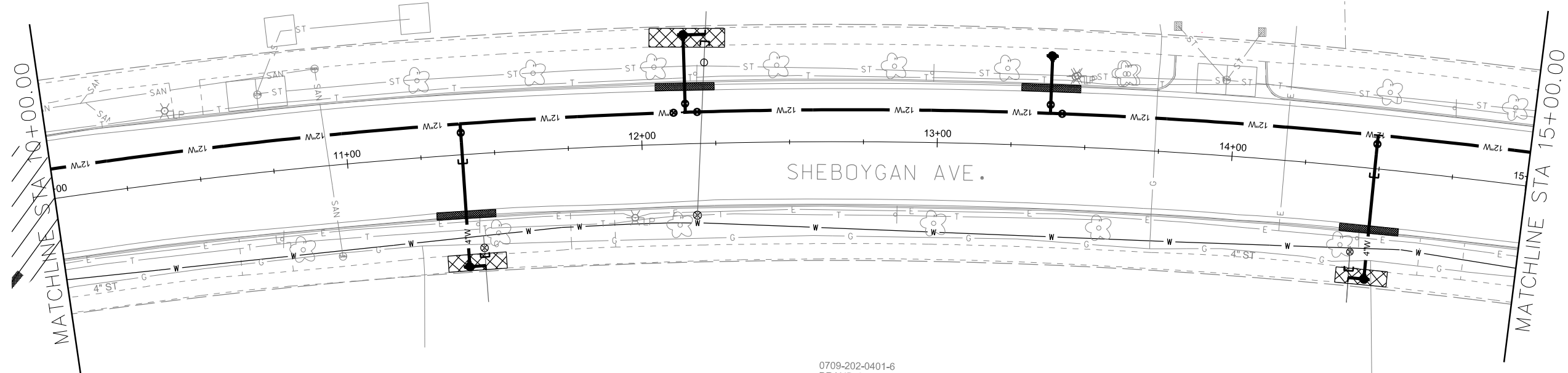


RESTORATION NOTES:
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- CURB & GUTTER
- SIDEWALK
- 7-IN DRIVEWAY & SIDEWALK
- MILL & OVERLAY



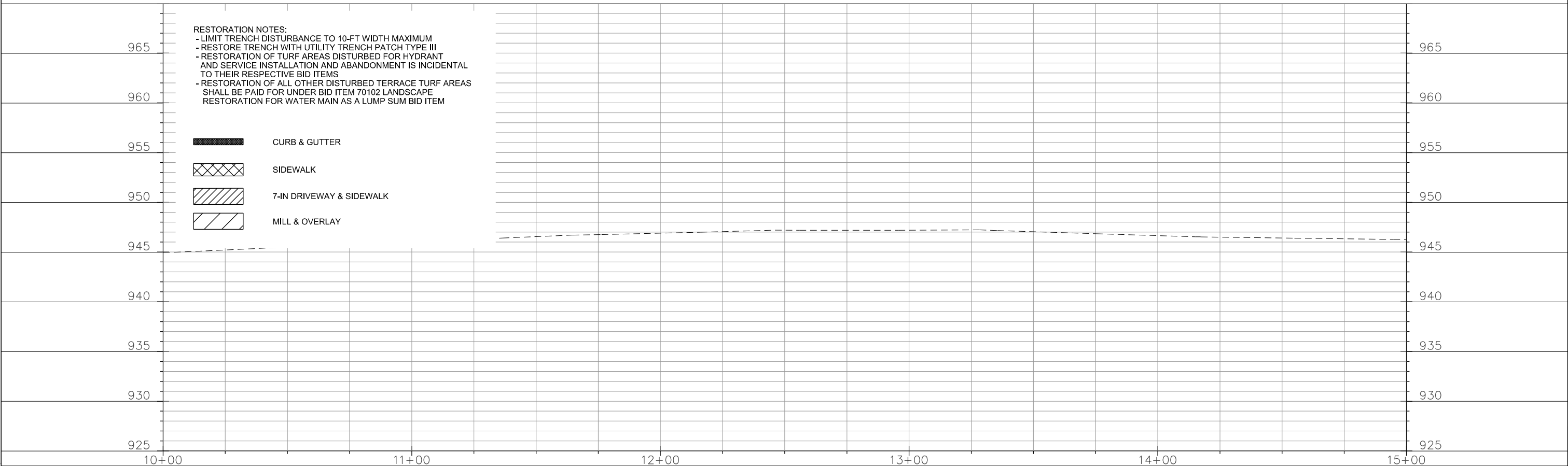
0709-202-0303-4
AMERICAN NATIONAL
RED CROSS
4860 Sheboygan Ave



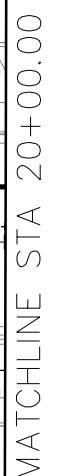
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BRAND CAROLINA APTS LLC
MOHS CAROLINA APTS LLC
4901 Sheboygan Ave

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- | | |
|--|--------------------------|
| | CURB & GUTTER |
| | SIDEWALK |
| | 7-IN DRIVEWAY & SIDEWALK |
| | MILL & OVERLAY |

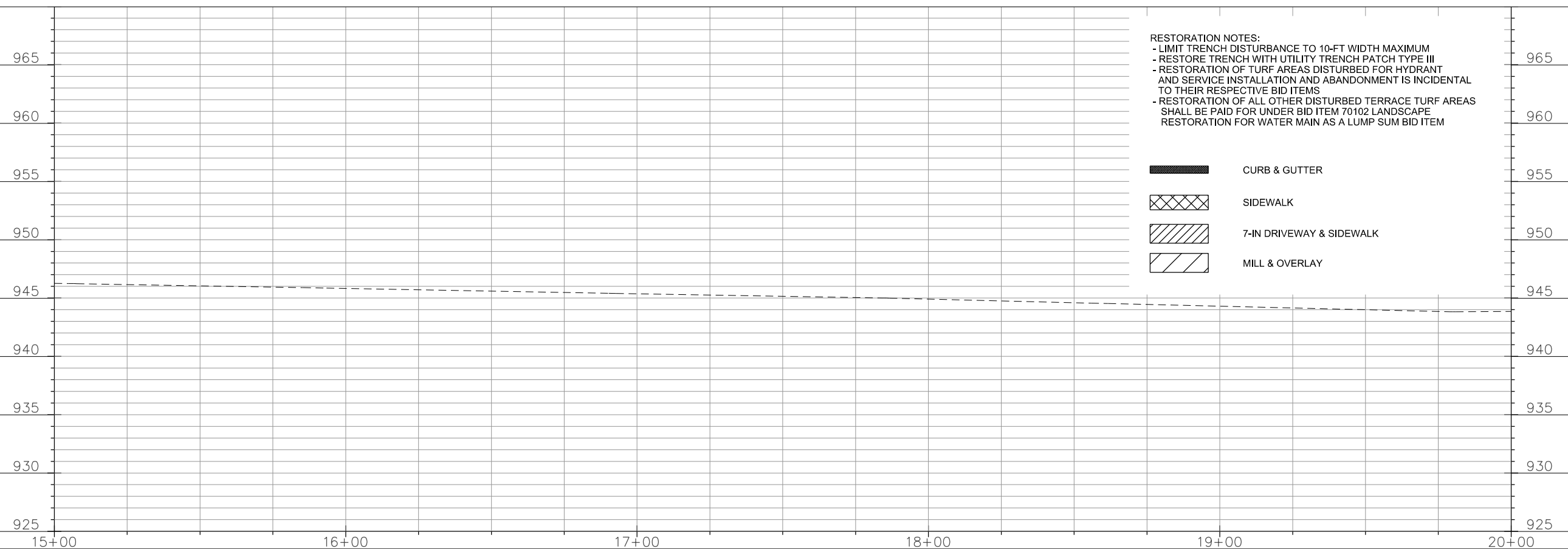


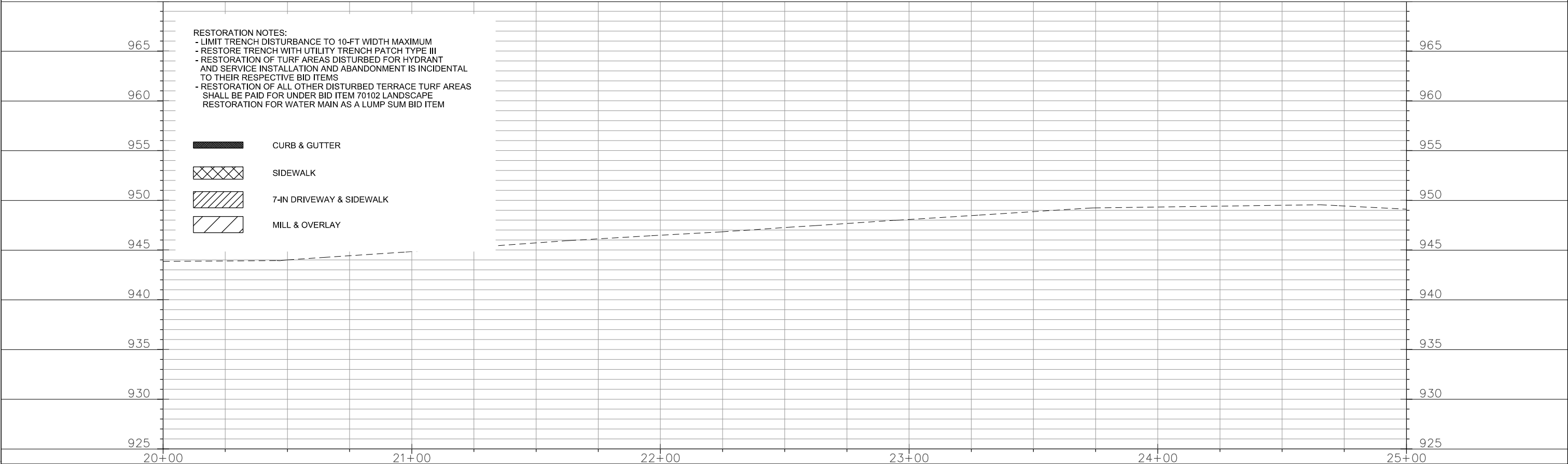
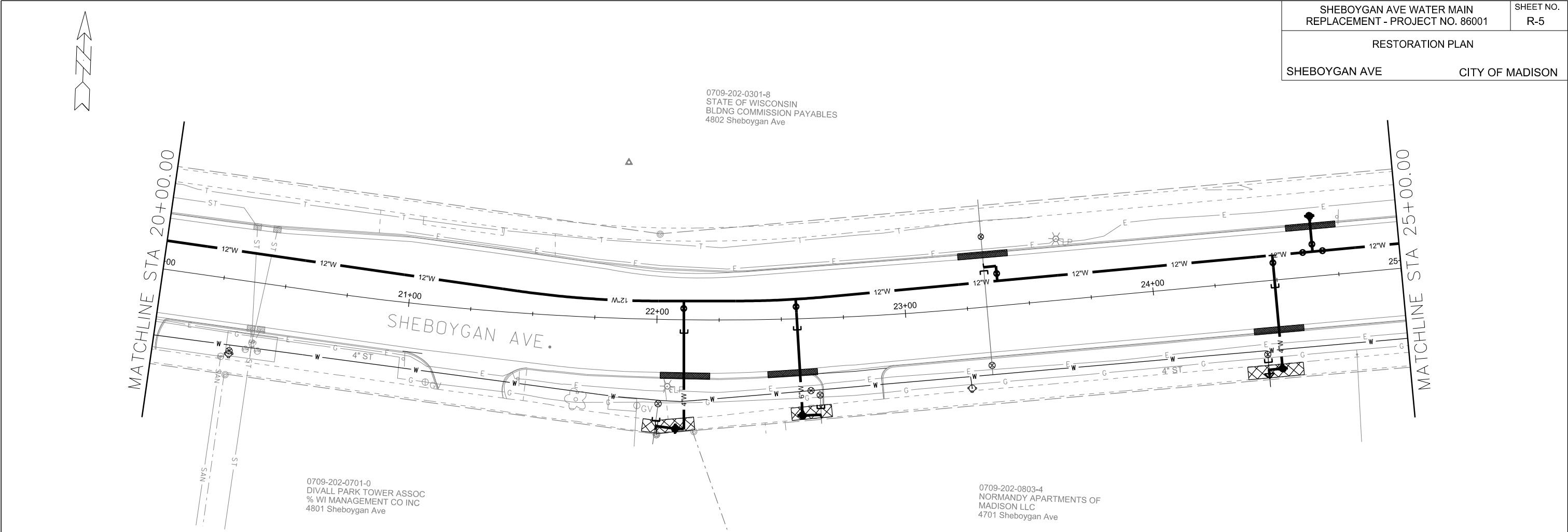
SHEBOYGAN AVE	CITY OF MADISON
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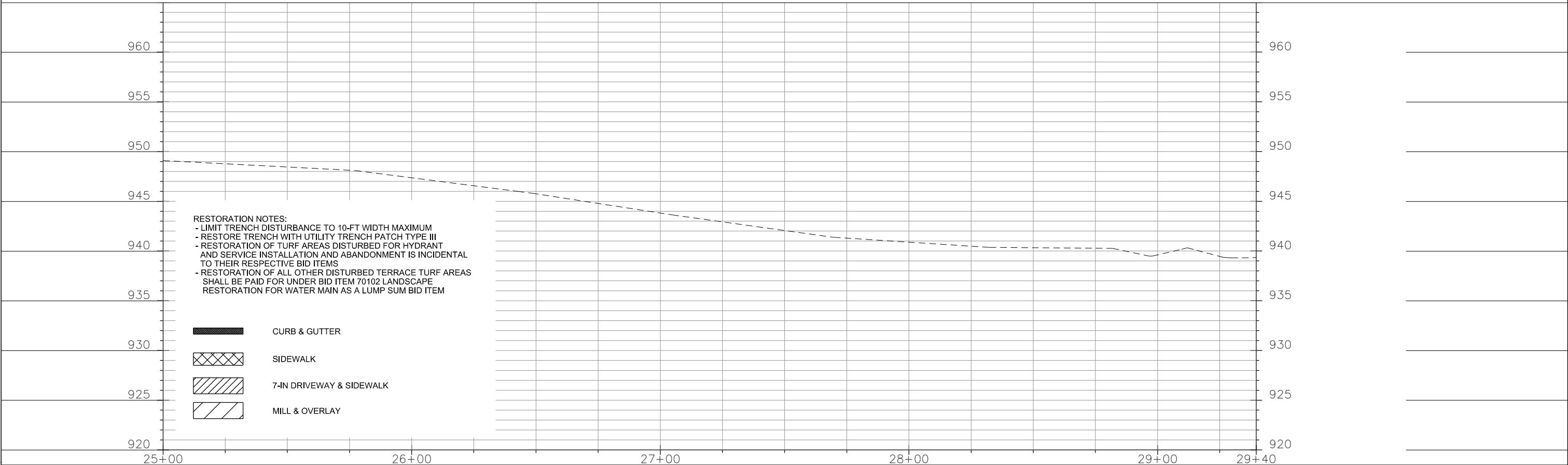
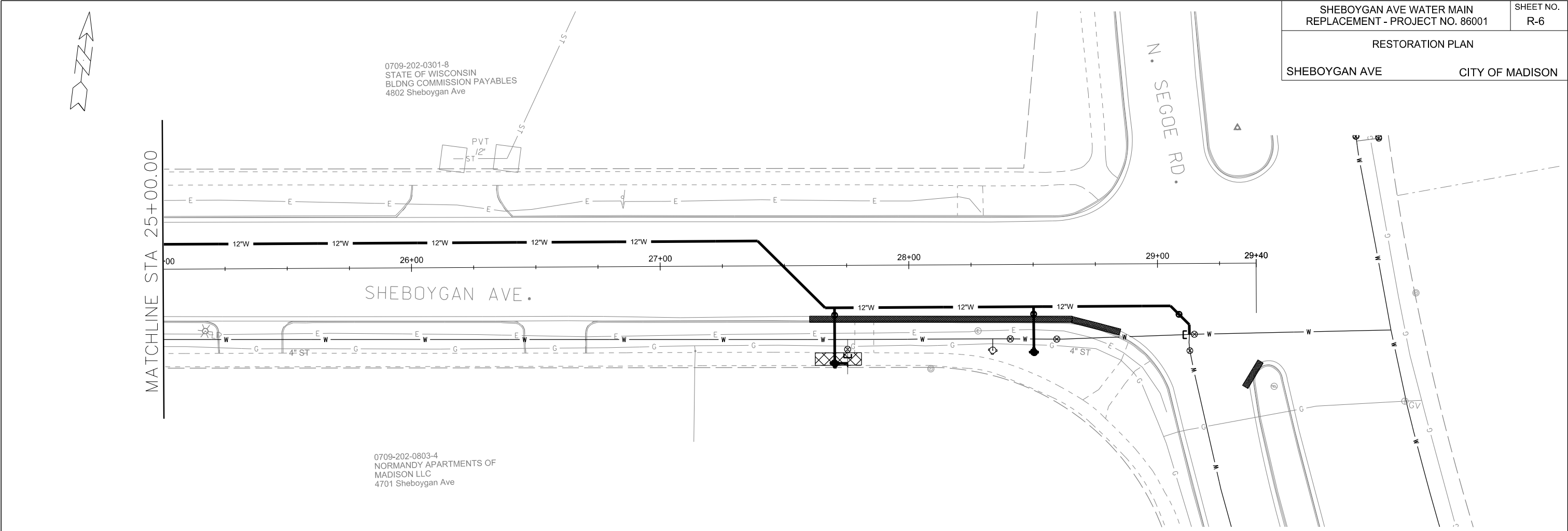


0709-202-0601-2
HILLDALE TOWERS
4817 Sheboygan Ave

	CURB & GUTTER
	SIDEWALK
	7-IN DRIVEWAY & SIDEWALK
	MILL & OVERLAY







PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



0709-202-0202-8
WESTON PLACE CONDO OWNRS
ASSC INC. ATTN APEX MNGMT
625 N Segoe Rd

0709-202-0205-2
VENTURE II PROPERTIES LLC
619 N Segoe Rd

0709-202-0203-6
COVENTRY CONDOMINIUM ASSC
601 N Segoe Rd

0709-202-0803-4
NORMANDY APARTMENTS OF
MADISON LLC
4701 Sheboygan Ave

LEGEND	
	Sign
	Traffic Flow
	Arrow Board
	Barrel
	Tubular Marker
	Work Zone
	Barricade
	Flagger

