

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:

 12/11/14
Principal Engineer Date

WATER
DESIGNED BY:


KELLY B. MESS
E-41821
MADISON WI
12-12-14
PROFESSIONAL ENGINEER

STORM SEWER
DESIGNED BY:


GREGORY J. FRIES
E-20656
MADISON WI
12-11-14
PROFESSIONAL ENGINEER

EROSION CONTROL
DESIGNED BY:

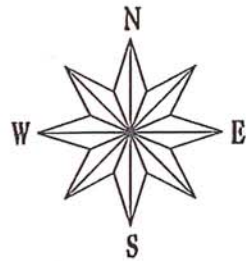

KELLY B. MESS
E-41821
MADISON WI
12-12-14
PROFESSIONAL ENGINEER

INDEX OF SHEETS



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W-1 TO W-14	WATER PLAN & PROFILE
W-15 TO W-19	WATER IMPACT PLAN
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R-1 TO R-5	RESTORATION PLAN

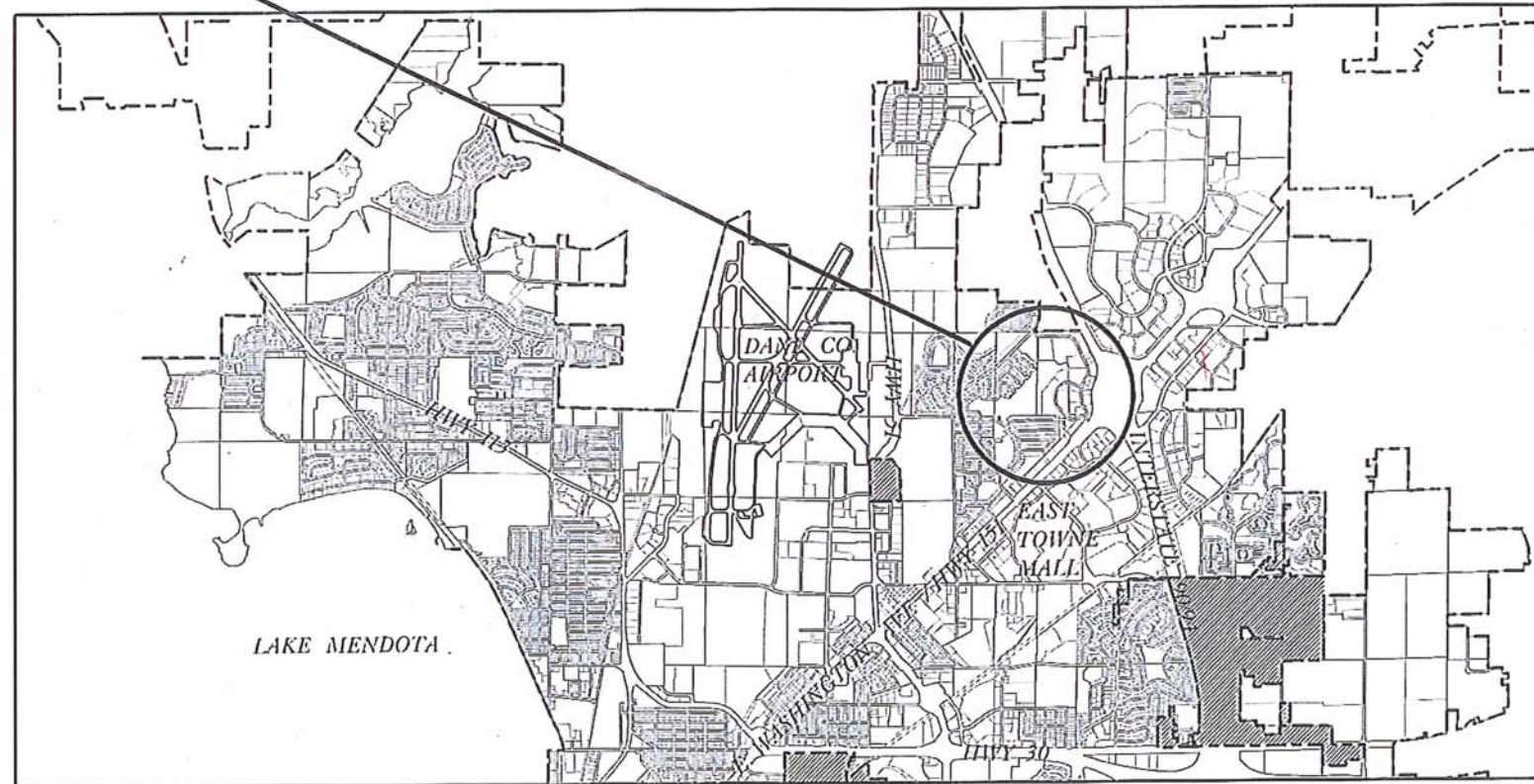
BOOSTER STATION 115 PIPELINE IMPROVEMENTS

CITY PROJECT NO. 53W1693
CITY CONTRACT NO. 7188



CONSTRUCTION PROJECT LOCATION

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	

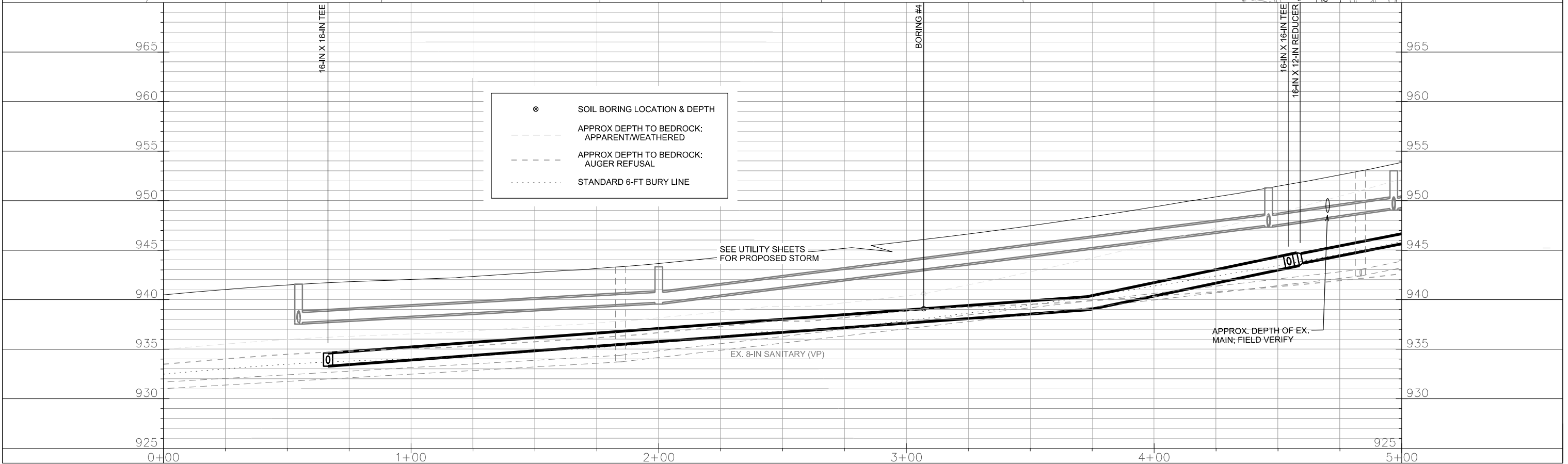
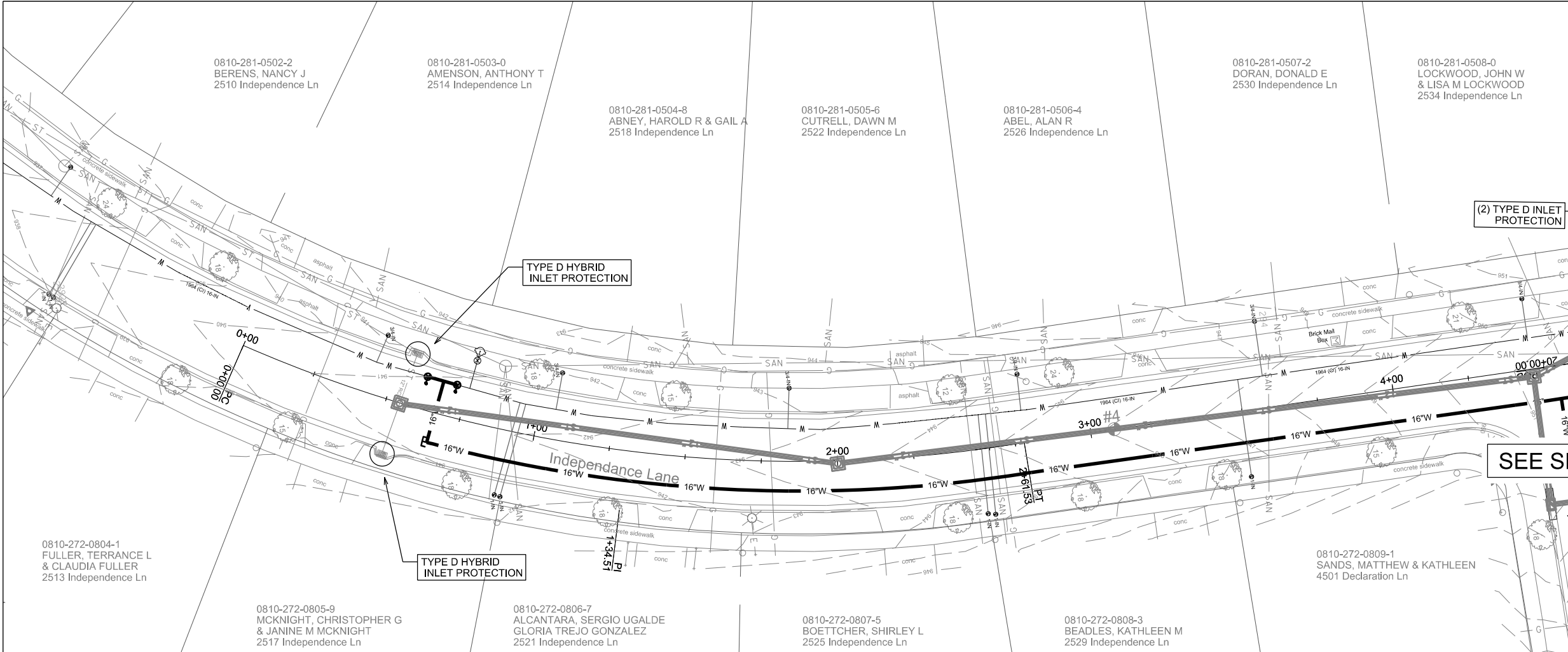


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-281-0509-8
KNIBBE, PETER
& MARIE KNIBBE
2602 Independence Ln

0810-281-0510-5
MORRISON, DANIEL & LINDA
2606 Independence Ln

0810-281-0511-3
LE, THANH-PHUONG
& TAM VU
2610 Independence Ln

0810-281-0512-1
BUCKLEY, WAYNE A
2614 Independence Ln

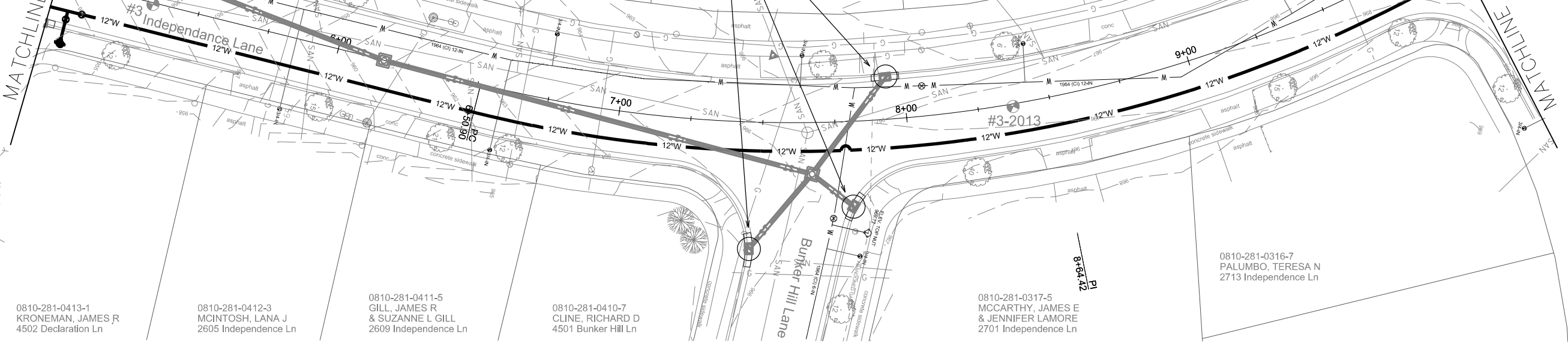
0810-281-0513-9
MEBROUK, LILIA
2702 Independence Ln

0810-281-0514-7
RETTMANN, LEE M
& TONYA J RETTMANN
2710 Independence Ln

MATCHLINE STA 5+00.0

MATCHLINE STA 10+00.0

(3) TYPE D INLET
PROTECTION



0810-281-0413-1
KRONEMAN, JAMES R
4502 Declaration Ln

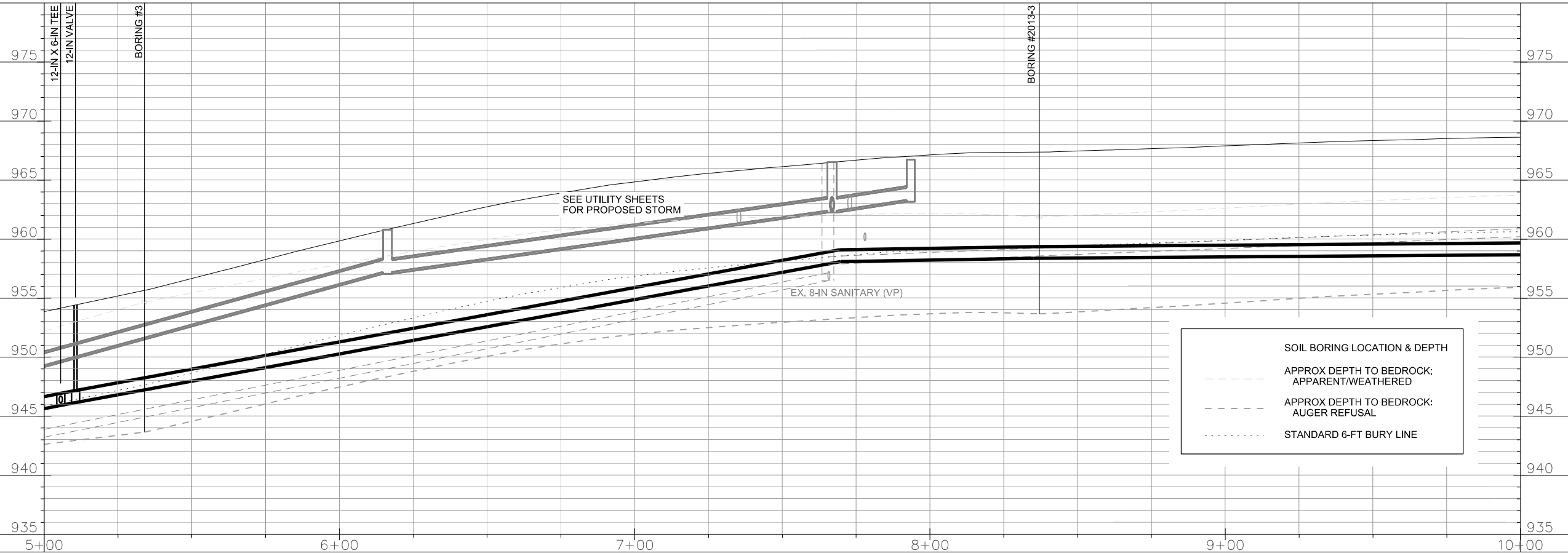
0810-281-0412-3
MCINTOSH, LANA J
2605 Independence Ln

0810-281-0411-5
GILL, JAMES R
& SUZANNE L GILL
2609 Independence Ln

0810-281-0410-7
CLINE, RICHARD D
4501 Bunker Hill Ln

0810-281-0317-5
MCCARTHY, JAMES E
& JENNIFER LAMORE
2701 Independence Ln

0810-281-0316-7
PALUMBO, TERESA N
2713 Independence Ln



SEE UTILITY SHEETS
FOR PROPOSED STORM

EX. 8-IN SANITARY (VP)

SOIL BORING LOCATION & DEPTH

- - - - - APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED
- - - - - APPROX DEPTH TO BEDROCK: AUGER REFUSAL
- STANDARD 6-FT BURY LINE

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-281-0515-5
 UNGER, PAUL J
 & MARY JO UNGER
 2714 Independence Ln

0810-281-0516-3
 VOGEN, BRADLEY
 2802 Independence Ln

0810-281-0517-1
 SAMDUP, TASHI
 & KALSANG LHAMO
 2806 Independence Ln

0810-281-0518-9
 LARSON, DONALD W
 2810 Independence Ln

0810-281-0519-7
 GLYNN, GEORGE & MARY A
 2814 Independence Ln

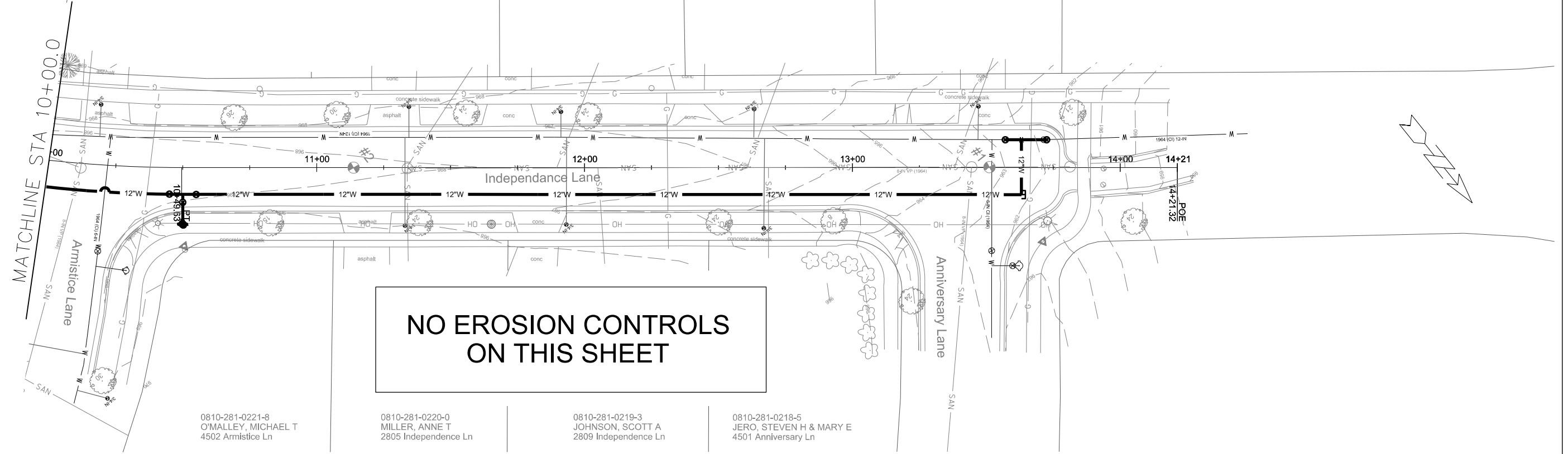
0810-281-0221-8
 O'MALLEY, MICHAEL T
 4502 Armistice Ln

0810-281-0220-0
 MILLER, ANNE T
 2805 Independence Ln

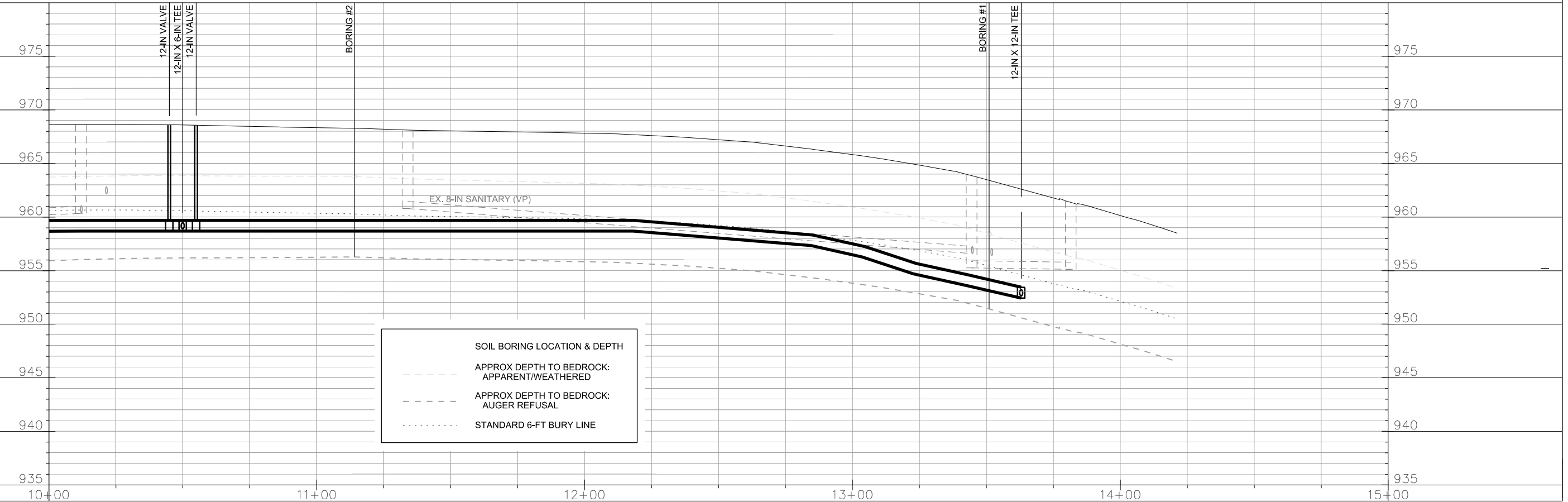
0810-281-0219-3
 JOHNSON, SCOTT A
 2809 Independence Ln

0810-281-0218-5
 JERO, STEVEN H & MARY E
 4501 Anniversary Ln

MATCHLINE STA 10+00.0



NO EROSION CONTROLS
ON THIS SHEET



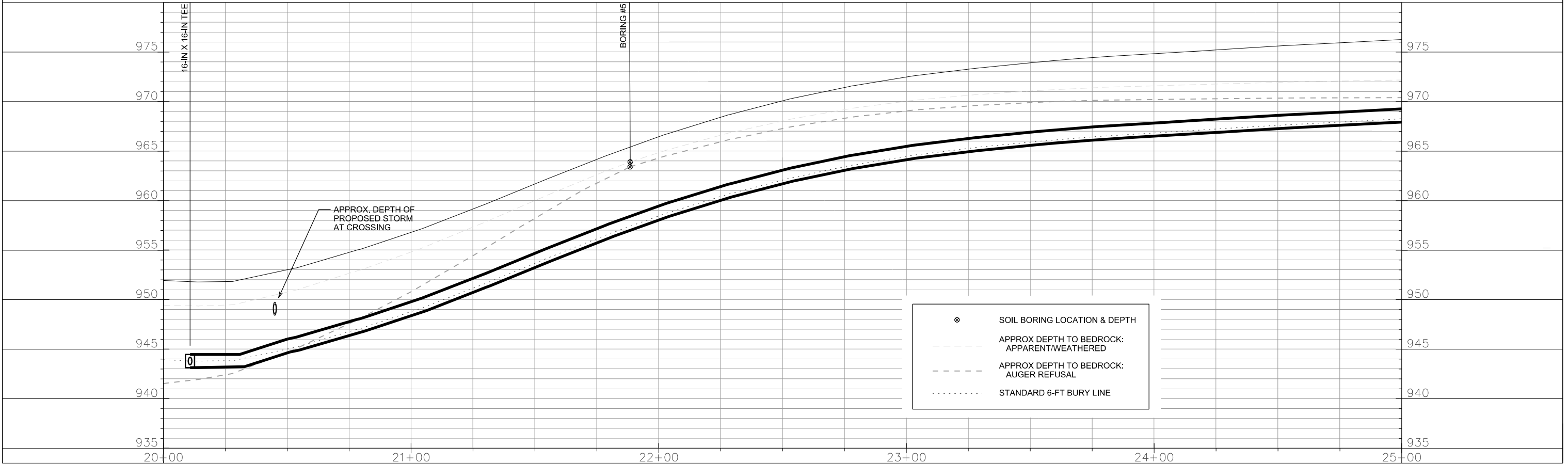
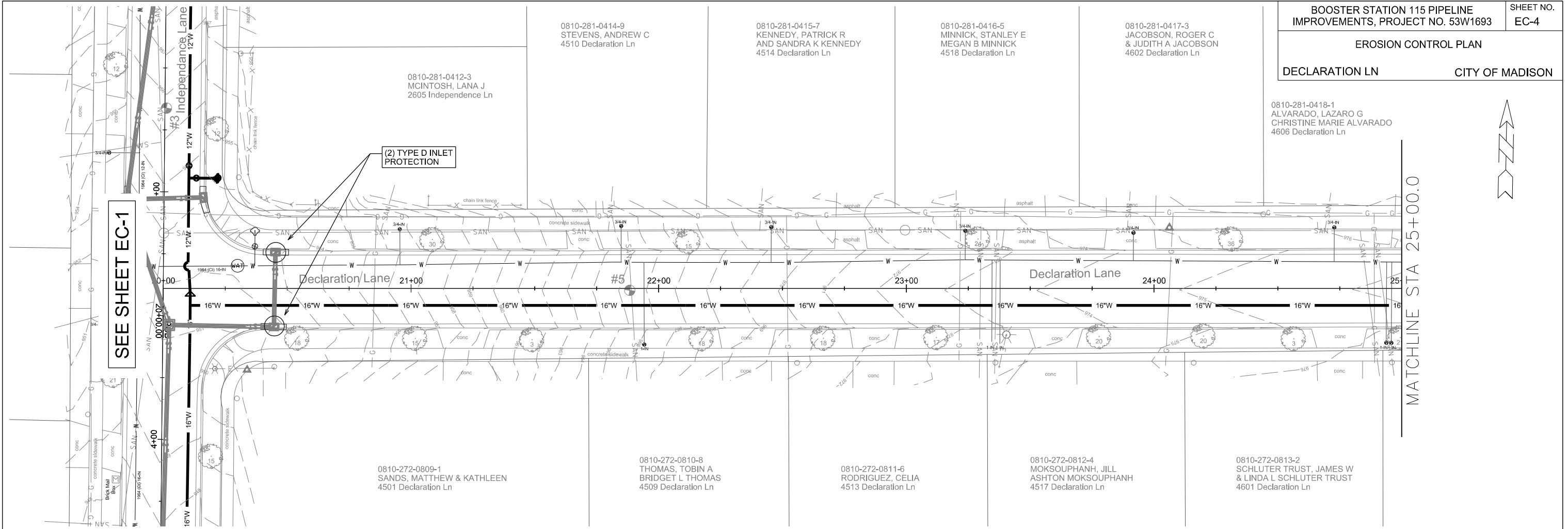
SOIL BORING LOCATION & DEPTH
 - - - - - APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED
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PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-281-0419-9
 ZOLADZ, THEODORE W
 4610 Declaration Ln

0810-281-0420-6
 MKHH TRUST
 4614 Declaration Ln

0810-281-0421-4
 NELSON, DARLENE HACKL
 & FRANCIS F NELSON
 4618 Declaration Ln

0810-281-0401-6
 CITY OF MADISON WATER UT
 WATER TOWER # 115
 4701 Bunker Hill Ln

0810-272-0204-3
 OKAZAKI, STACY H
 4713 Declaration Ln

0810-272-0203-5
 BORCHARDT, ELLEN L
 4709 Declaration Ln

0810-272-0814-0
 CHLEBOWSKI, DALE & KRISTI
 4605 Declaration Ln

0810-272-0815-8
 MARK, NOEL
 4609 Declaration Ln

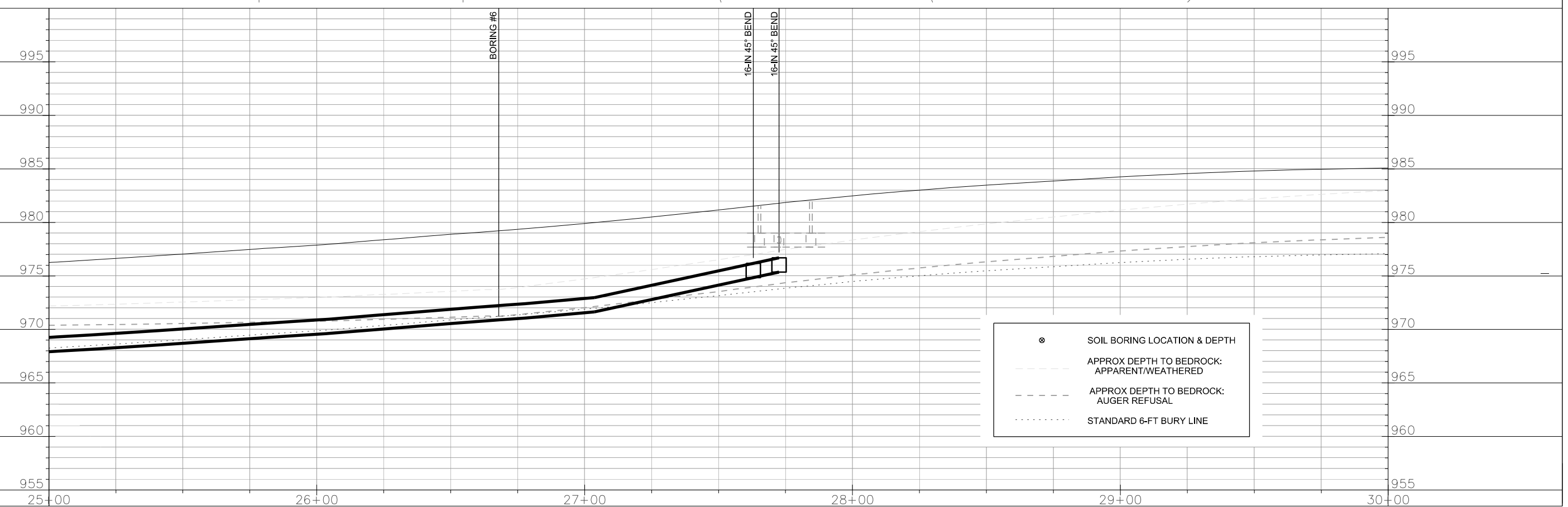
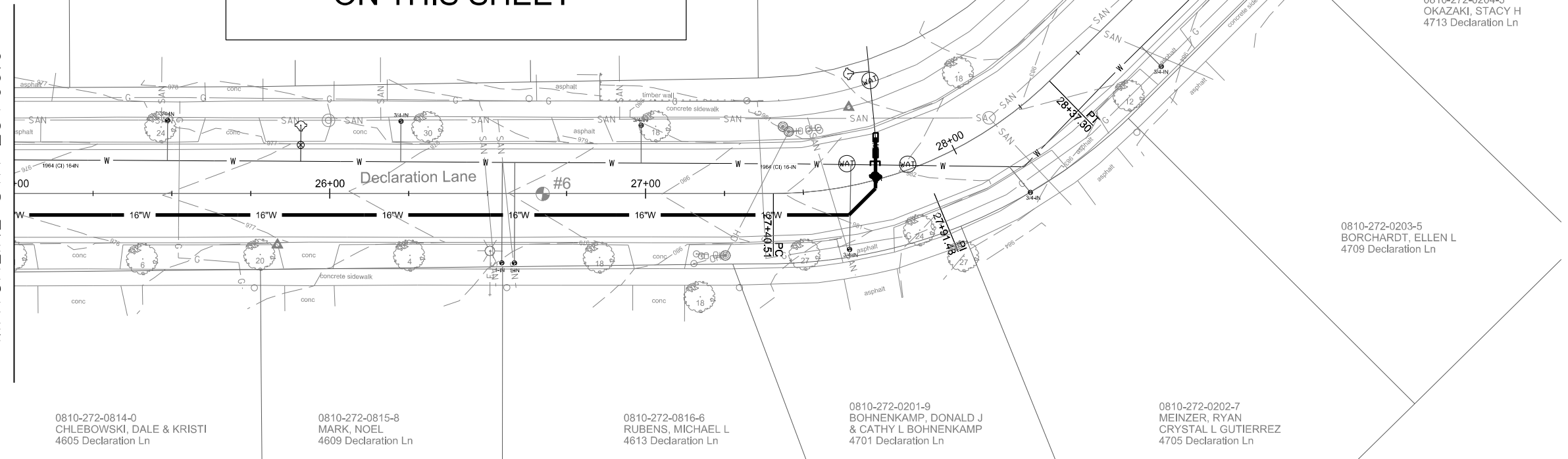
0810-272-0816-6
 RUBENS, MICHAEL L
 4613 Declaration Ln

0810-272-0201-9
 BOHNENKAMP, DONALD J
 & CATHY L BOHNENKAMP
 4701 Declaration Ln

0810-272-0202-7
 MEINZER, RYAN
 CRYSTAL L GUTIERREZ
 4705 Declaration Ln

**NO EROSION CONTROLS
 ON THIS SHEET**

MATCHLINE STA 25+00.0

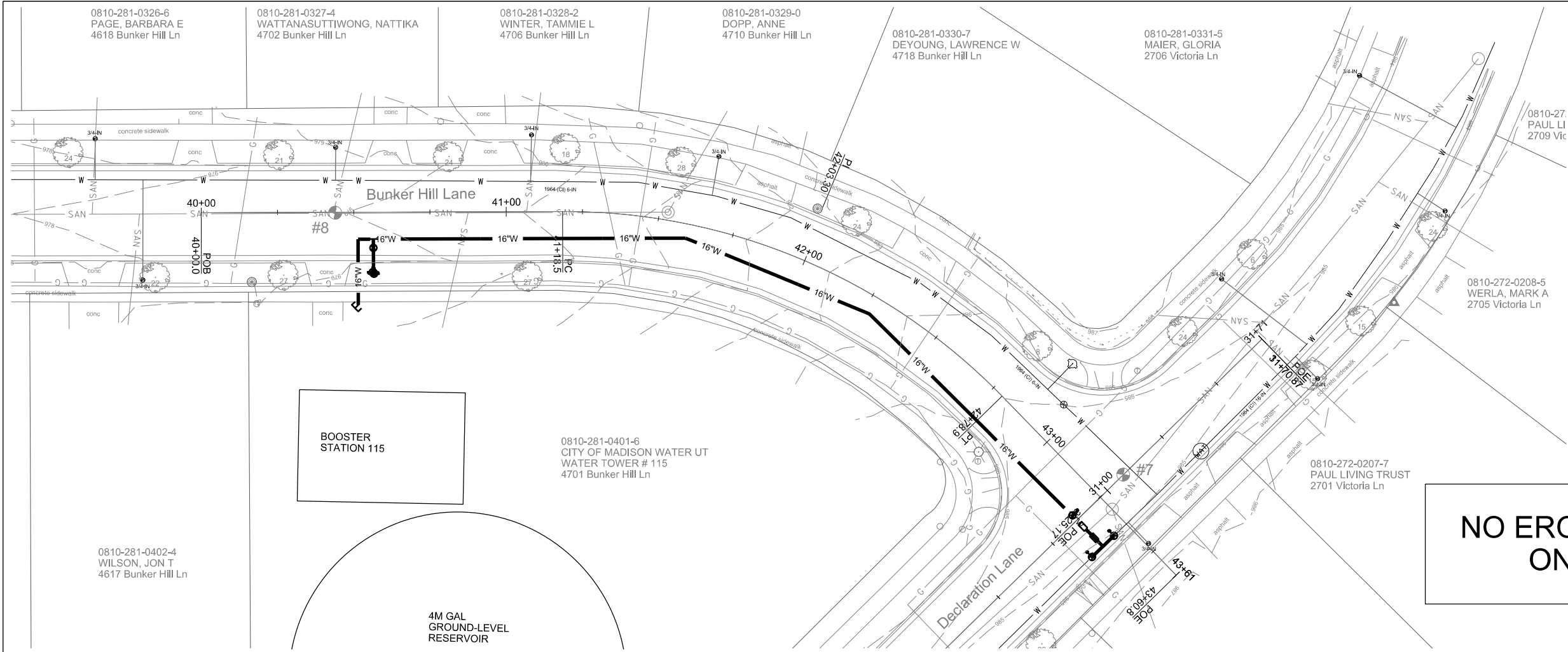


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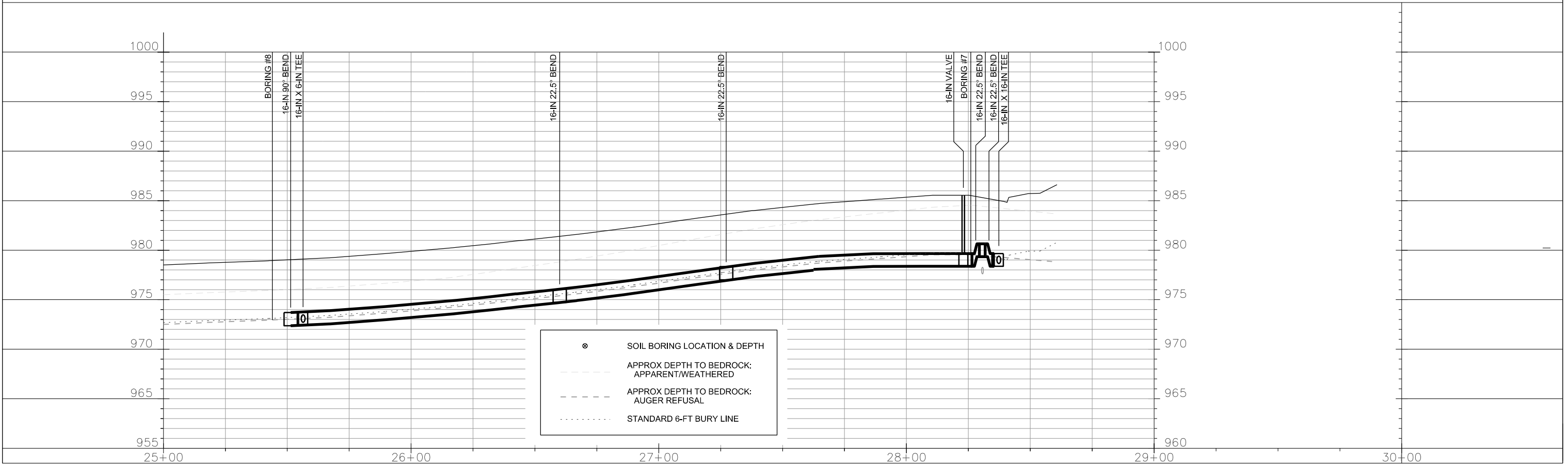
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



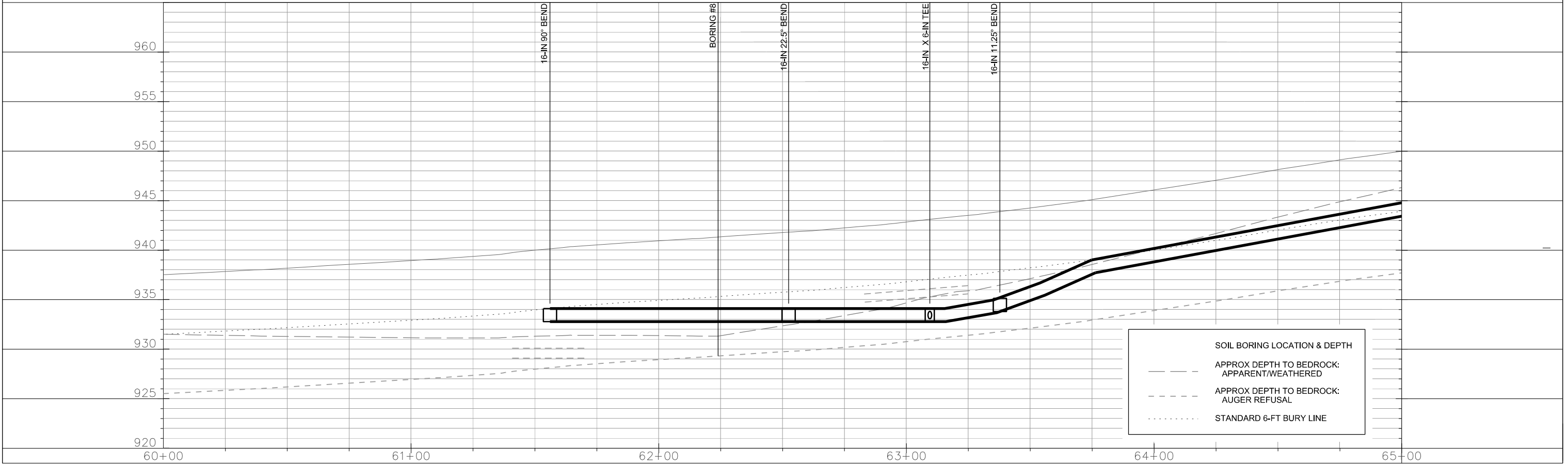
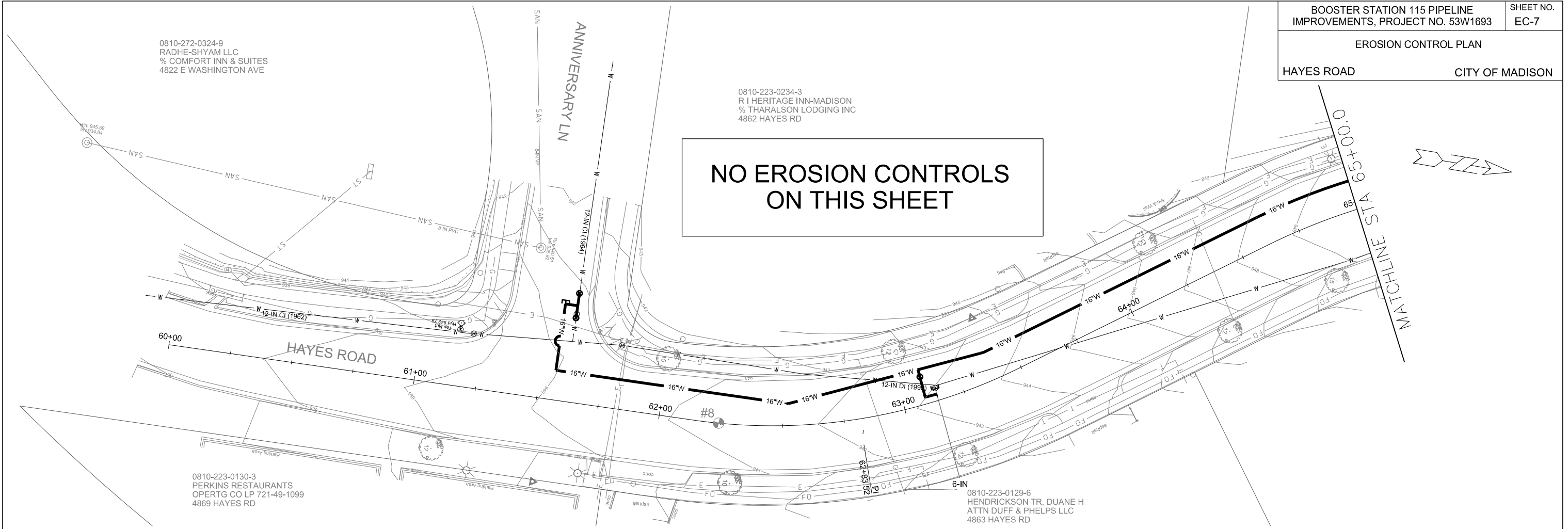
NO EROSION CONTROLS ON THIS SHEET



⊙ SOIL BORING LOCATION & DEPTH
 - - - - - APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED
 - - - - - APPROX DEPTH TO BEDROCK: AUGER REFUSAL
 ······ STANDARD 6-FT BURY LINE

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

**NO EROSION CONTROLS
ON THIS SHEET**



SOIL BORING LOCATION & DEPTH

--- APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED

--- APPROX DEPTH TO BEDROCK: AUGER REFUSAL

..... STANDARD 6-FT BURY LINE

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-223-0233-5
FMW RRI II LLC
C/O RED ROOF INN TAX DEPT
4830 HAYES RD

0810-223-0232-7
MADISON EAST LODGING INV
% NORTH CENTRAL MGMT INC
4820 HAYES RD

BOOSTER STATION 115 PIPELINE
IMPROVEMENTS, PROJECT NO. 53W1693

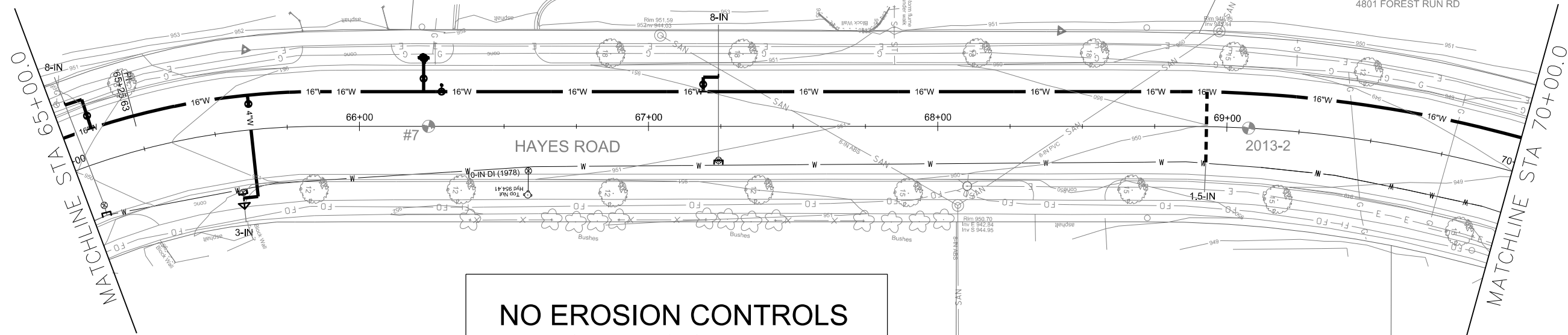
SHEET NO.
EC-8

EROSION CONTROL PLAN

HAYES ROAD

CITY OF MADISON

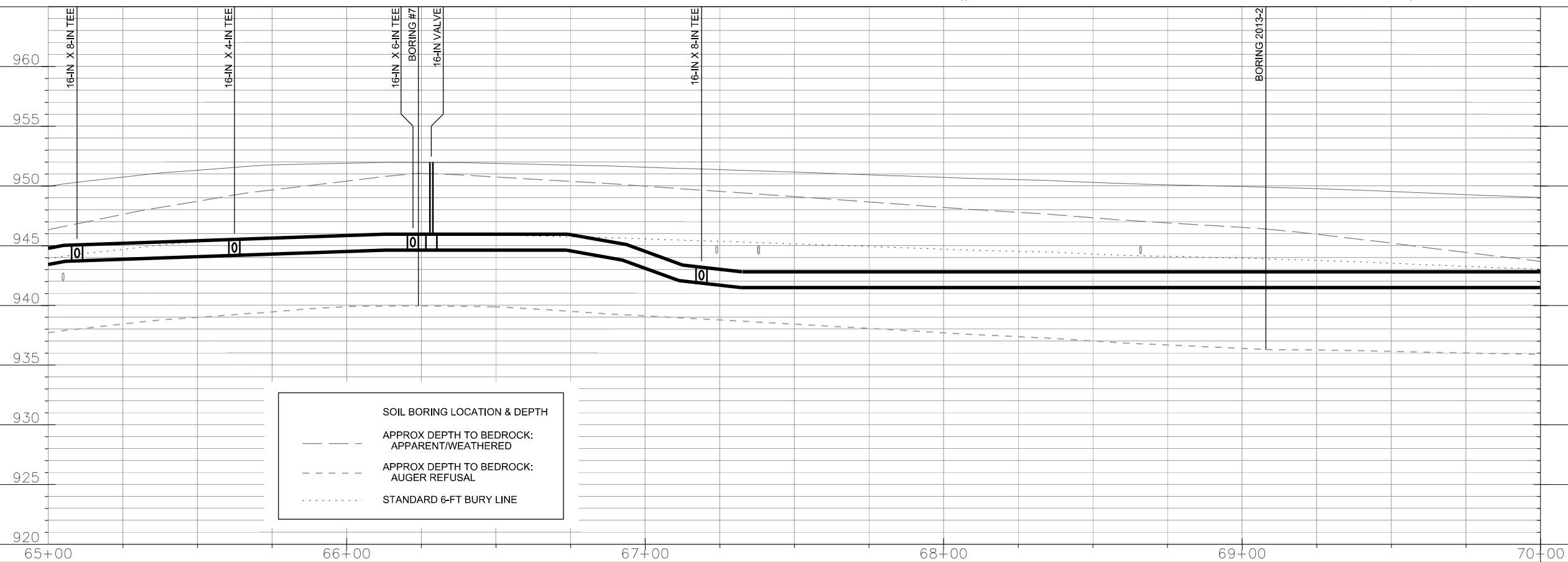
0810-223-0235-1
WISCONSIN REALTORS
ASSOC INC
4801 FOREST RUN RD



**NO EROSION CONTROLS
ON THIS SHEET**

0810-223-0127-0
GRAND HOTELS INC
4825 HAYES RD

0810-223-0126-2
HHU XTRA CARE INC
4801 HAYES RD



SOIL BORING LOCATION & DEPTH
--- APPROX DEPTH TO BEDROCK:
APPARENT/WEATHERED
--- APPROX DEPTH TO BEDROCK:
AUGER REFUSAL
..... STANDARD 6-FT BURY LINE

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

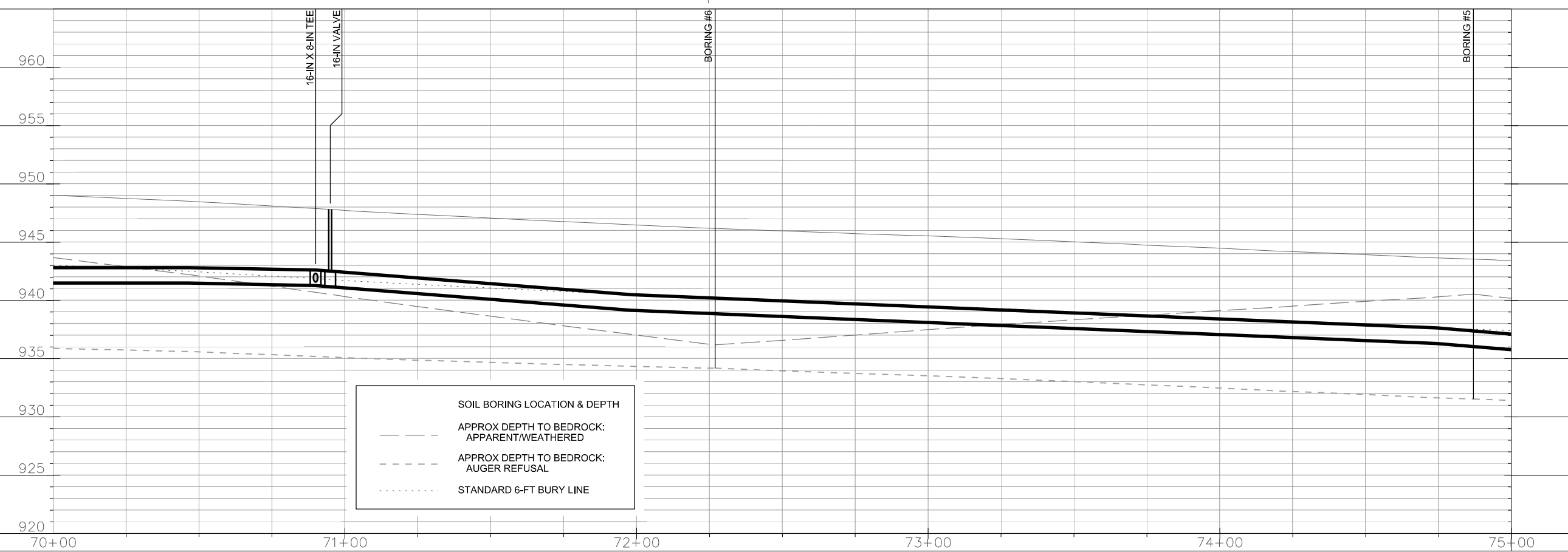
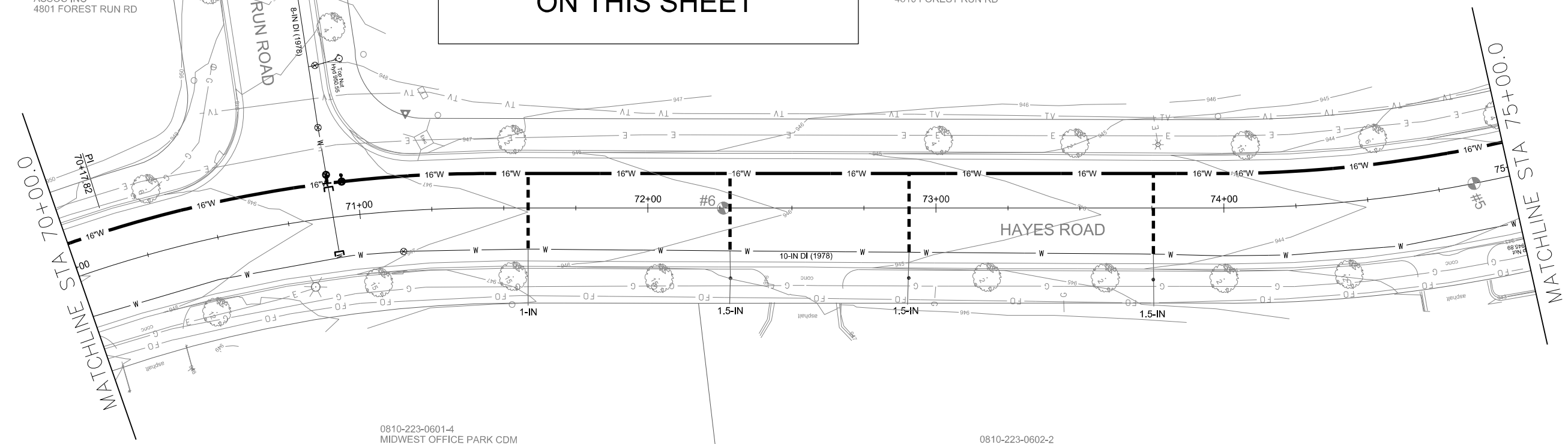
**NO EROSION CONTROLS
ON THIS SHEET**

0810-223-0235-1
WISCONSIN REALTORS
ASSOC INC
4801 FOREST RUN RD

0810-223-0413-3
4810 FOREST RUN LTD PRT
% 4810 FOREST RUN LLC
4810 FOREST RUN RD

0810-223-0601-4
MIDWEST OFFICE PARK CDM
UNIT OWNERS ASSOC INC
4799 HAYES RD

0810-223-0602-2
MUNZ INVESTMENTS LLC
4781 HAYES RD



SOIL BORING LOCATION & DEPTH

--- APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED

--- APPROX DEPTH TO BEDROCK: AUGER REFUSAL

..... STANDARD 6-FT BURY LINE

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-223-0413-3
4810 FOREST RUN LTD PRT
% 4810 FOREST RUN LLC
4810 FOREST RUN RD

0810-223-0502-4
MORNINGSIDE ON THE
GREEN LLC
3802 DAWN RD

BOOSTER STATION 115 PIPELINE
IMPROVEMENTS, PROJECT NO. 53W1693

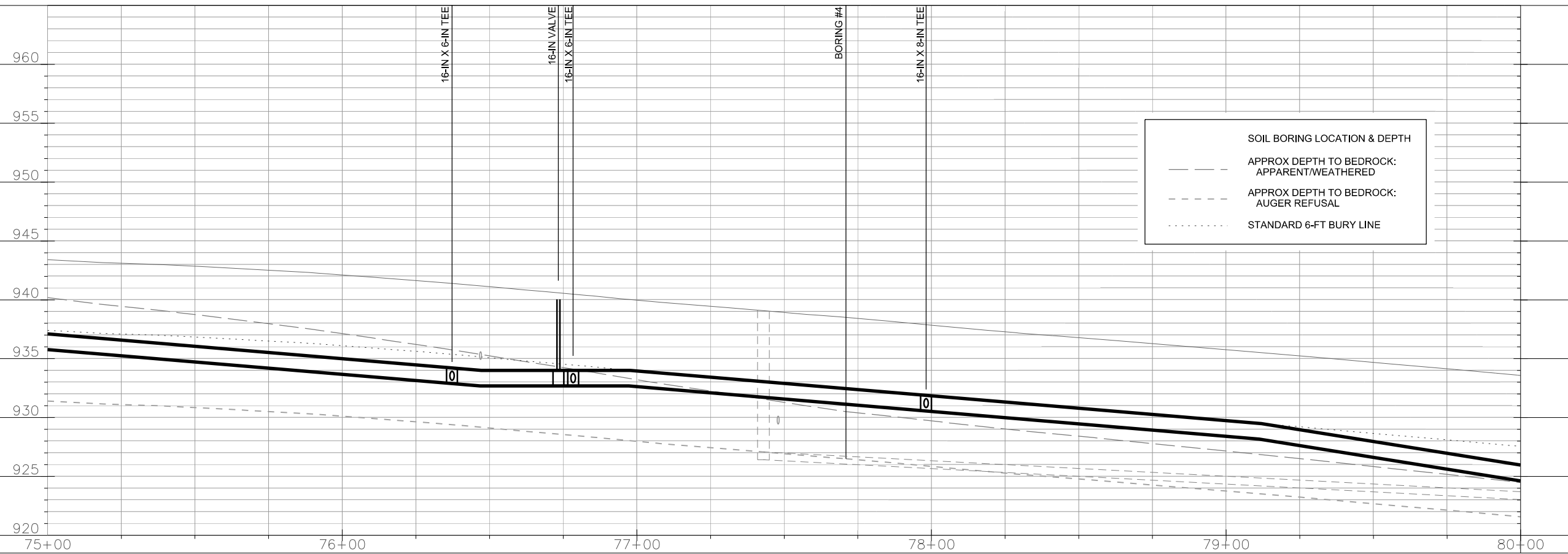
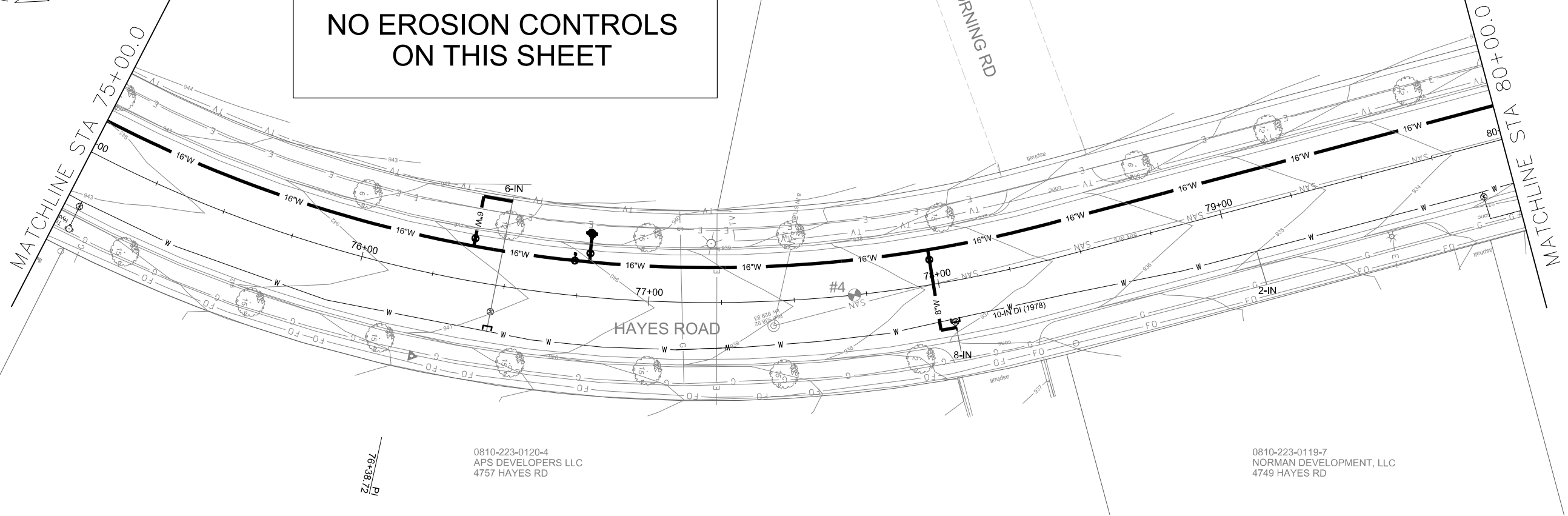
SHEET NO.
EC-10

EROSION CONTROL PLAN

HAYES ROAD

CITY OF MADISON

NO EROSION CONTROLS
ON THIS SHEET

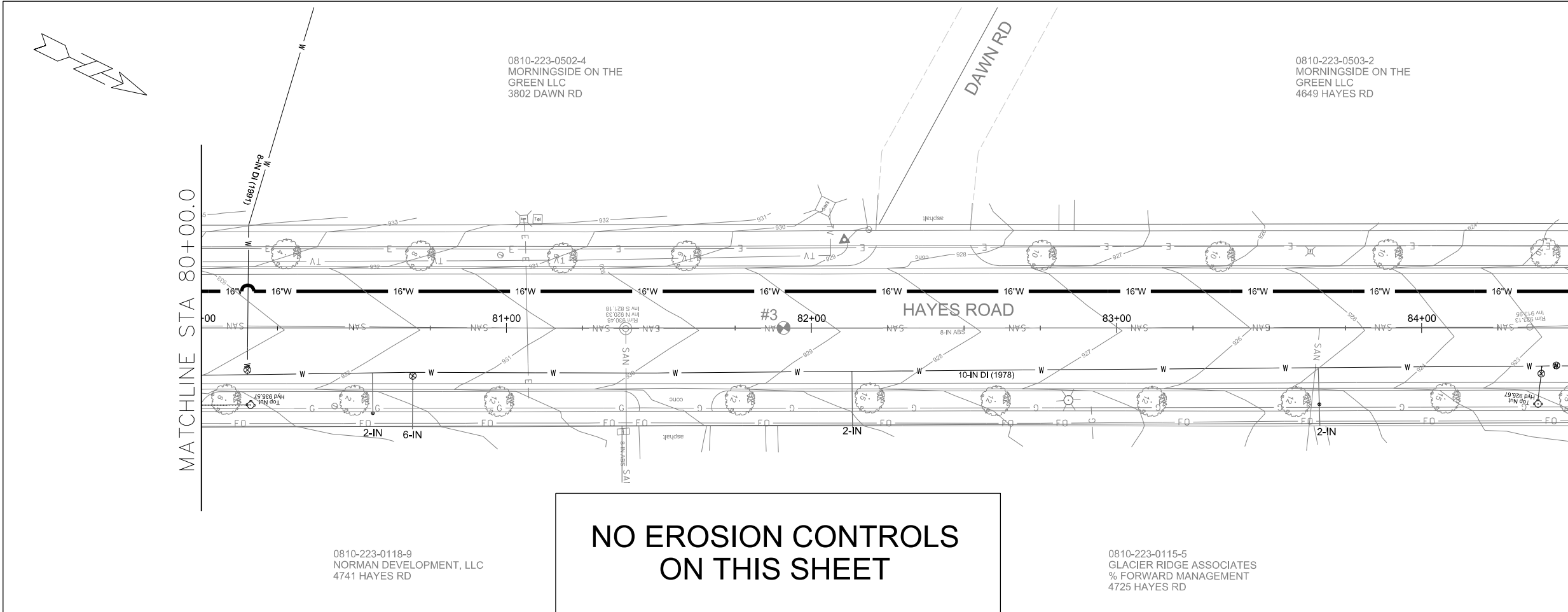


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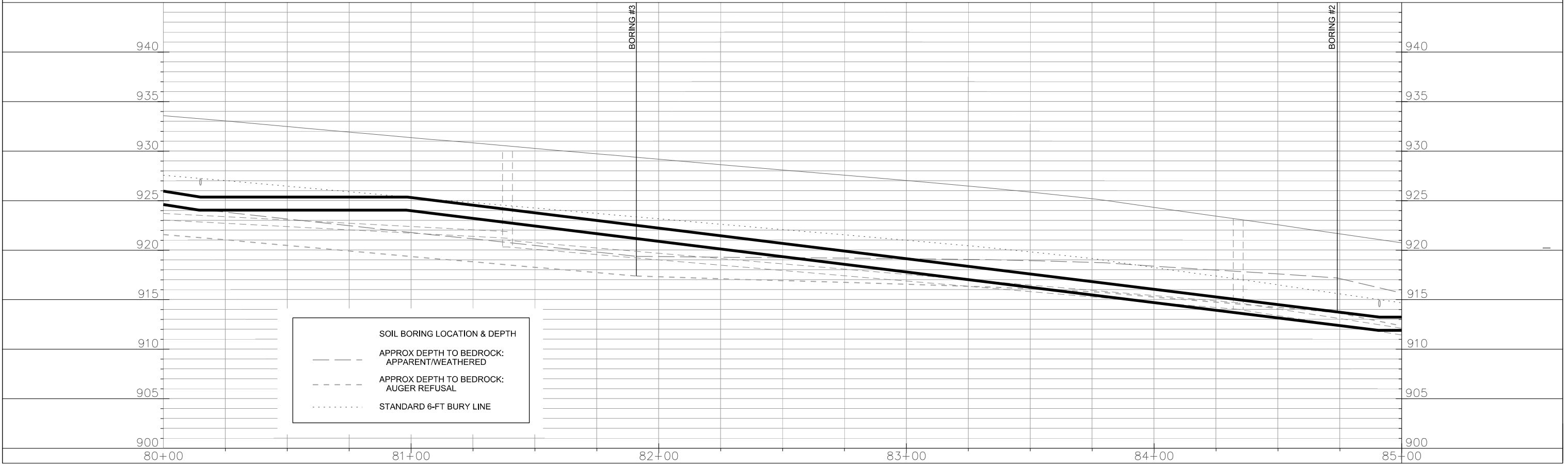
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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



**NO EROSION CONTROLS
ON THIS SHEET**



SOIL BORING LOCATION & DEPTH

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PLOT SCALE: _____

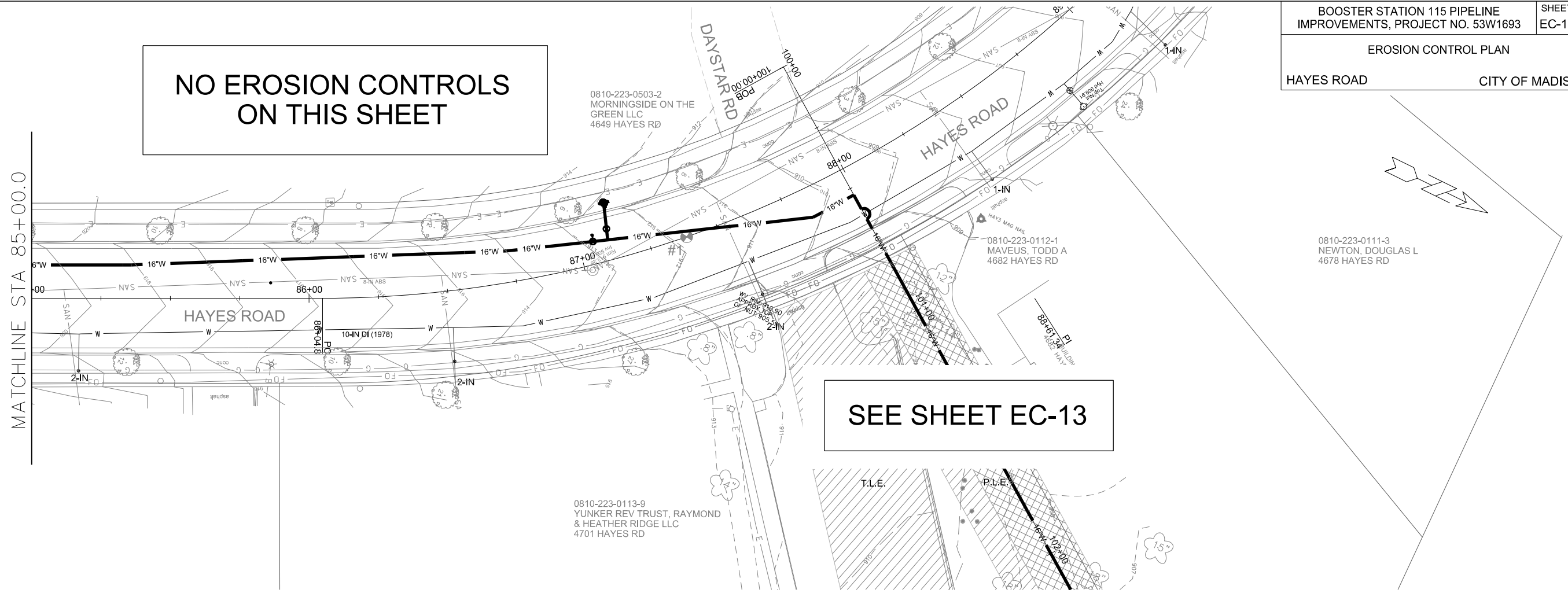
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REV. DATE: _____

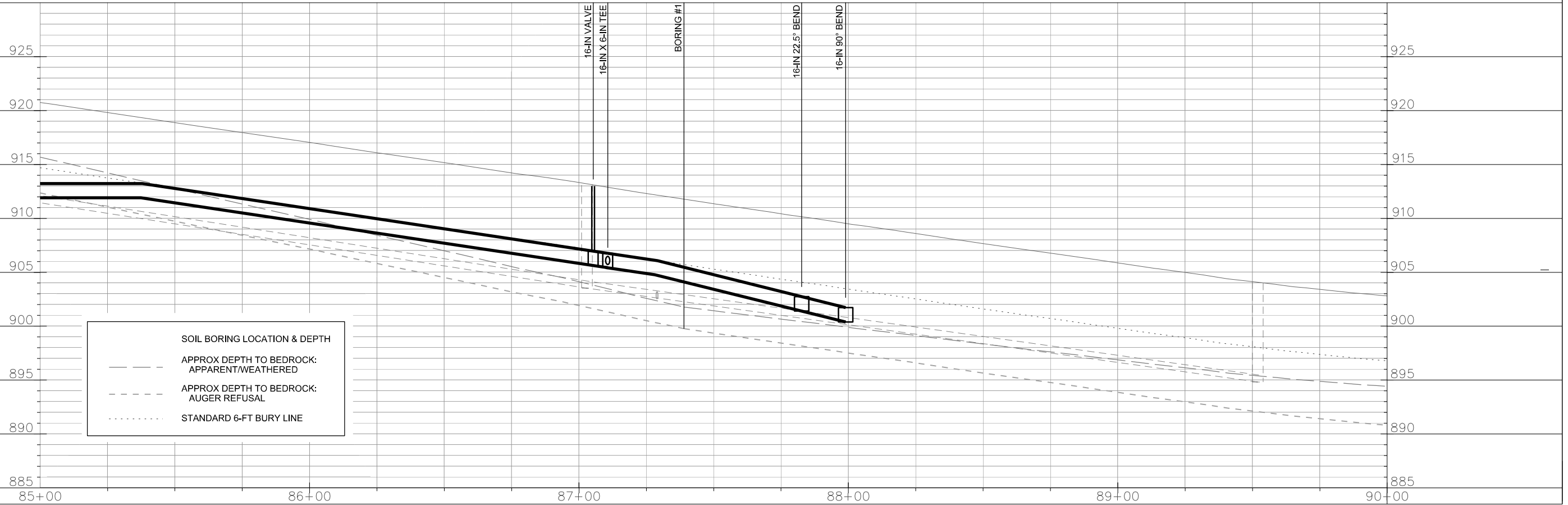
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NO EROSION CONTROLS
ON THIS SHEET

SEE SHEET EC-13



MATCHLINE STA 85+00.0

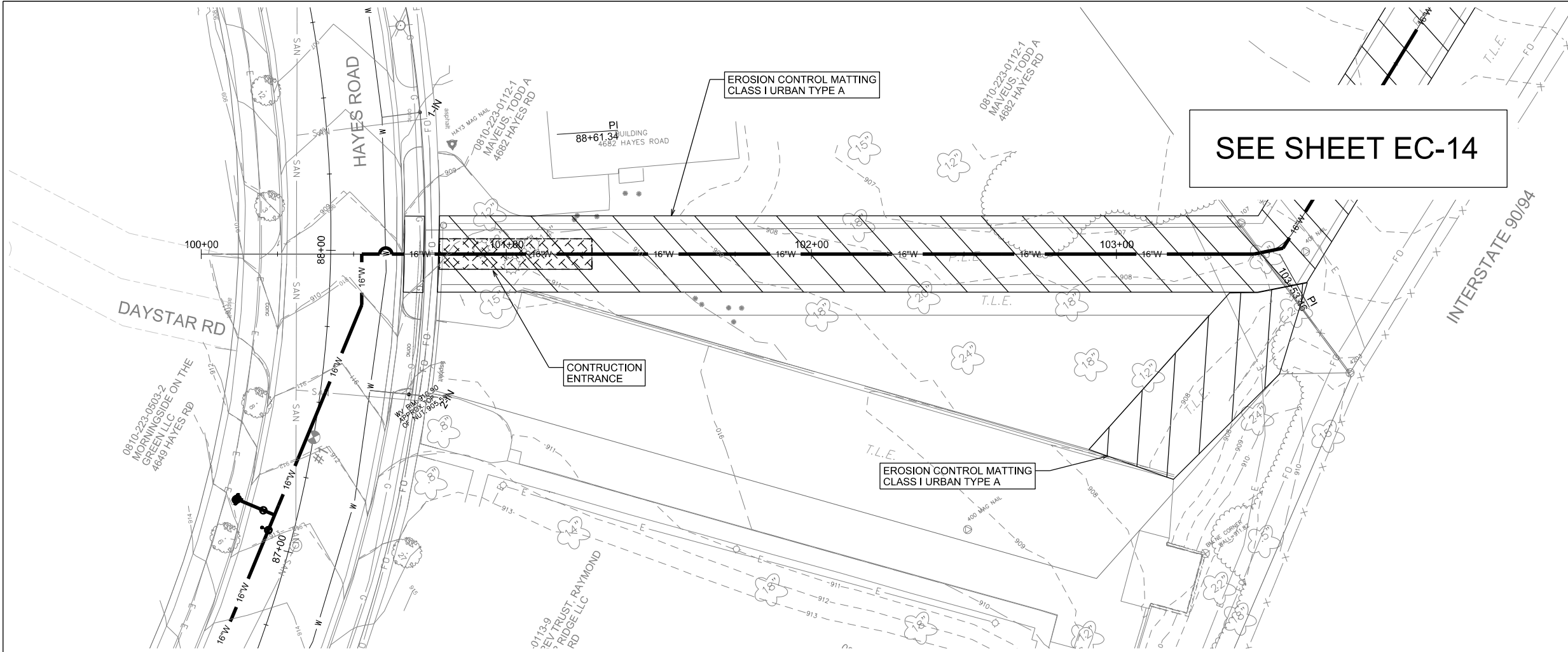


PLOT SCALE: _____

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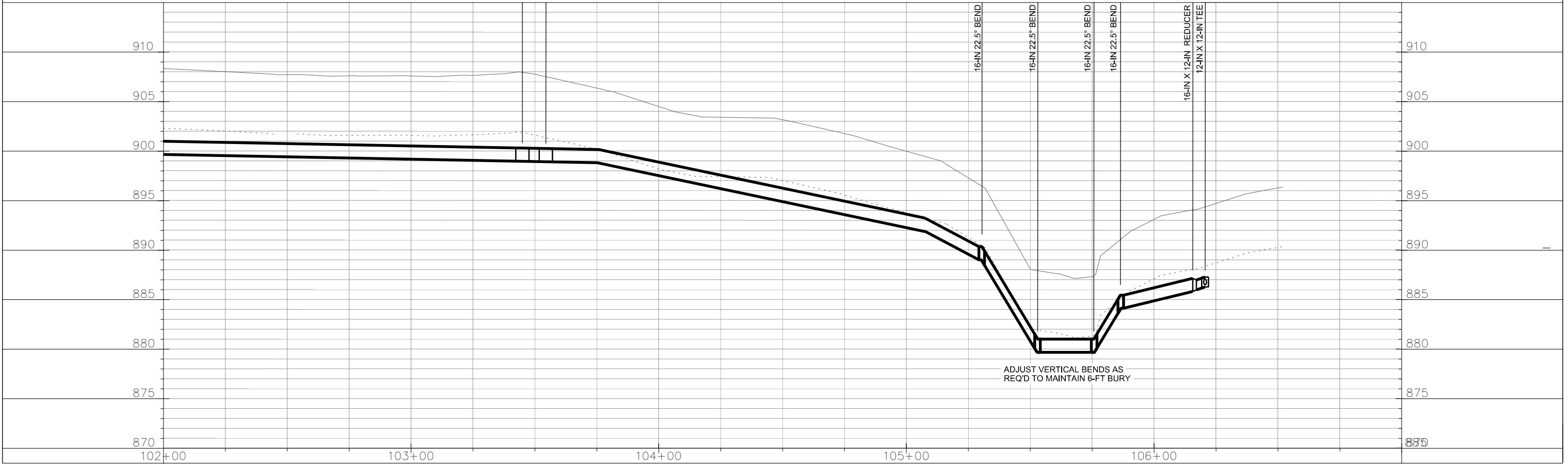
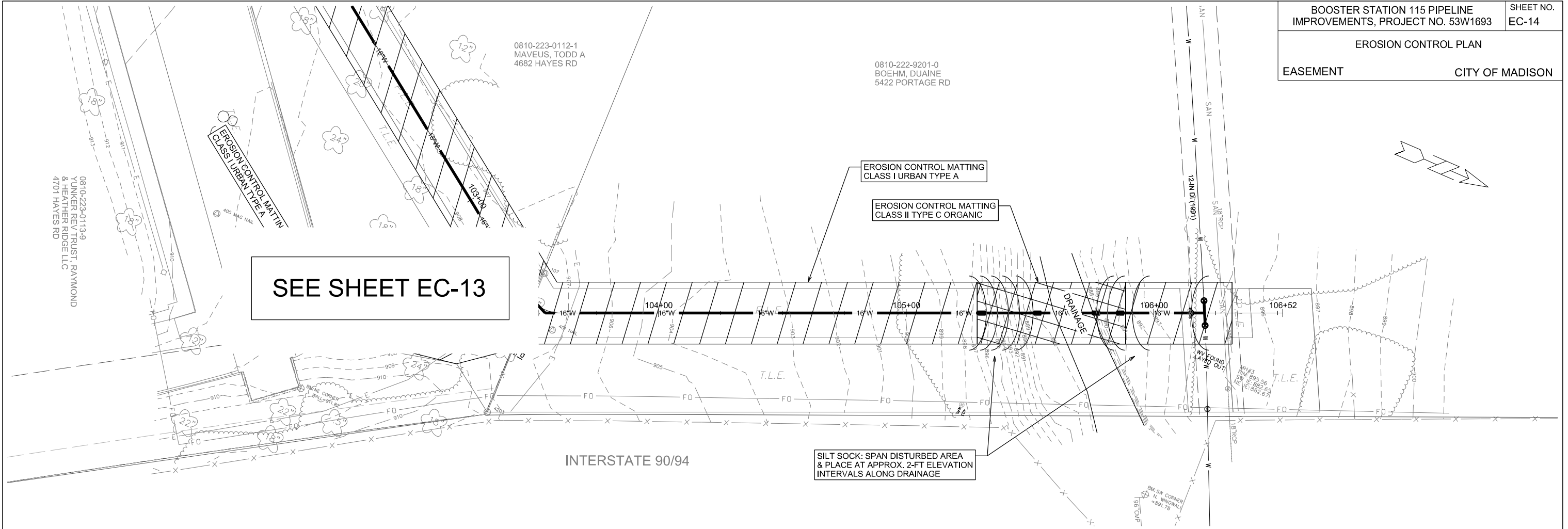


PLOT SCALE: _____

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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

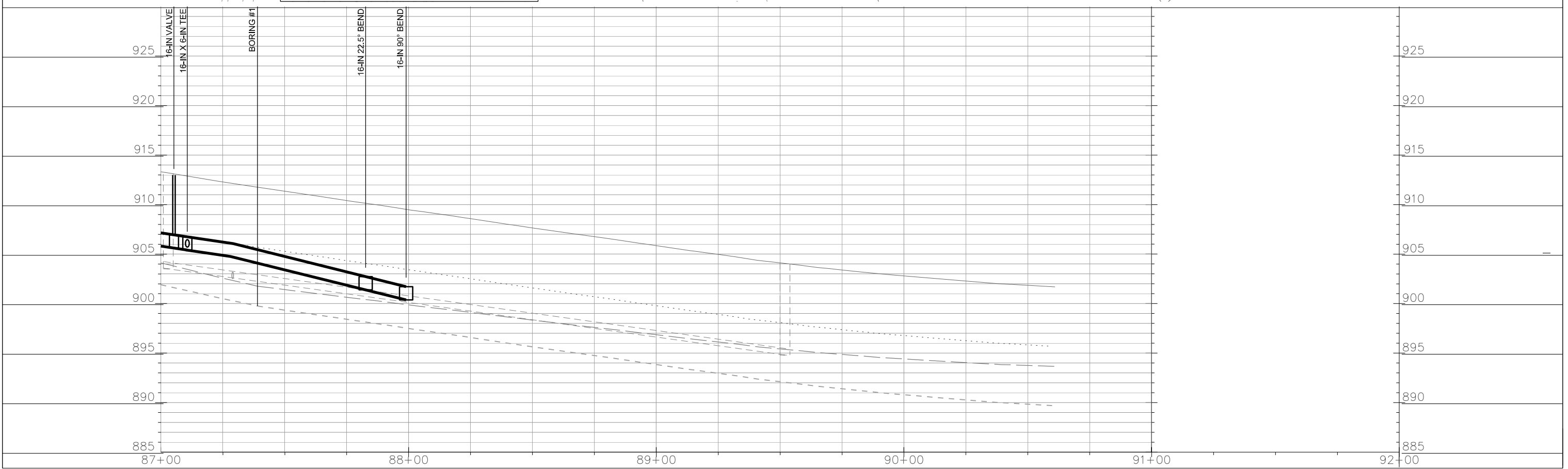
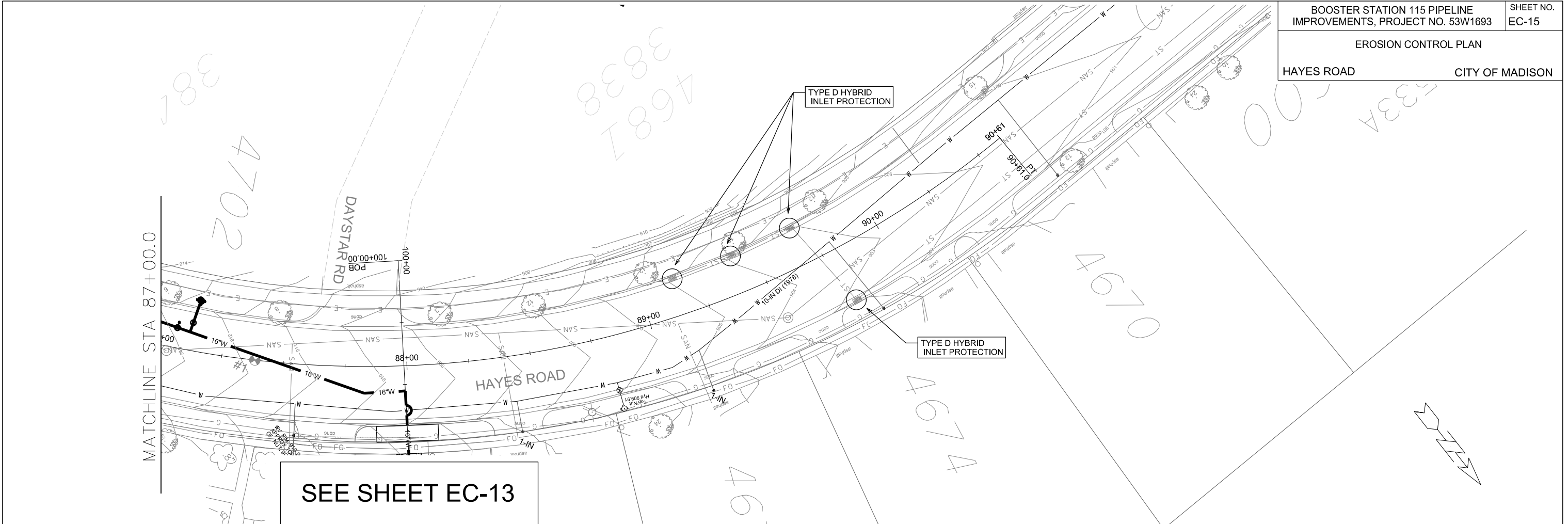


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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



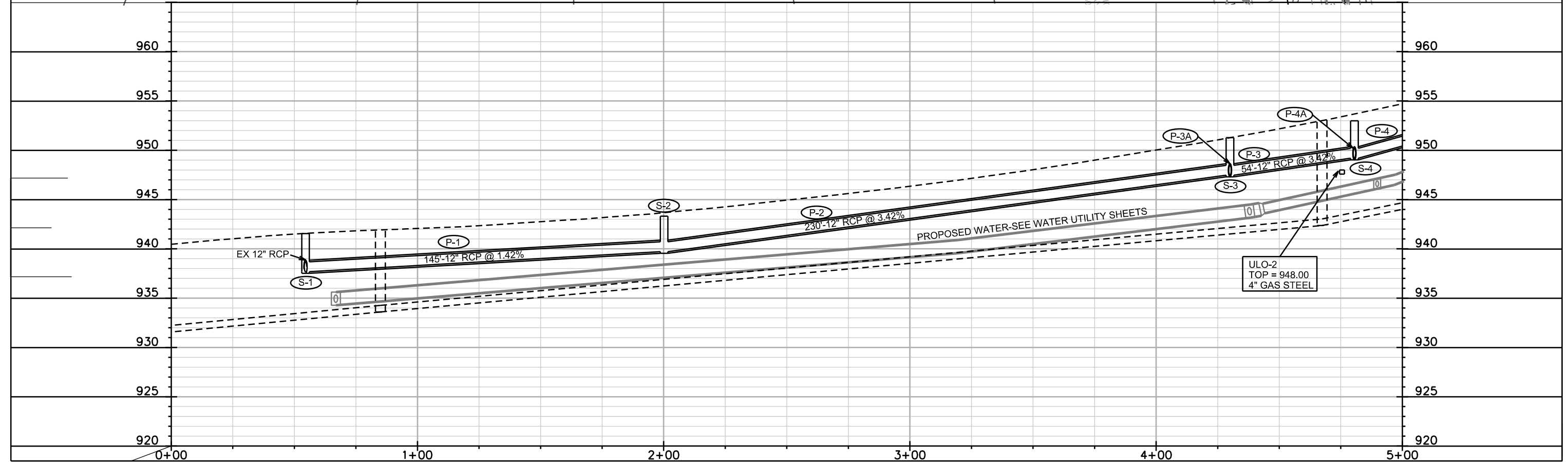
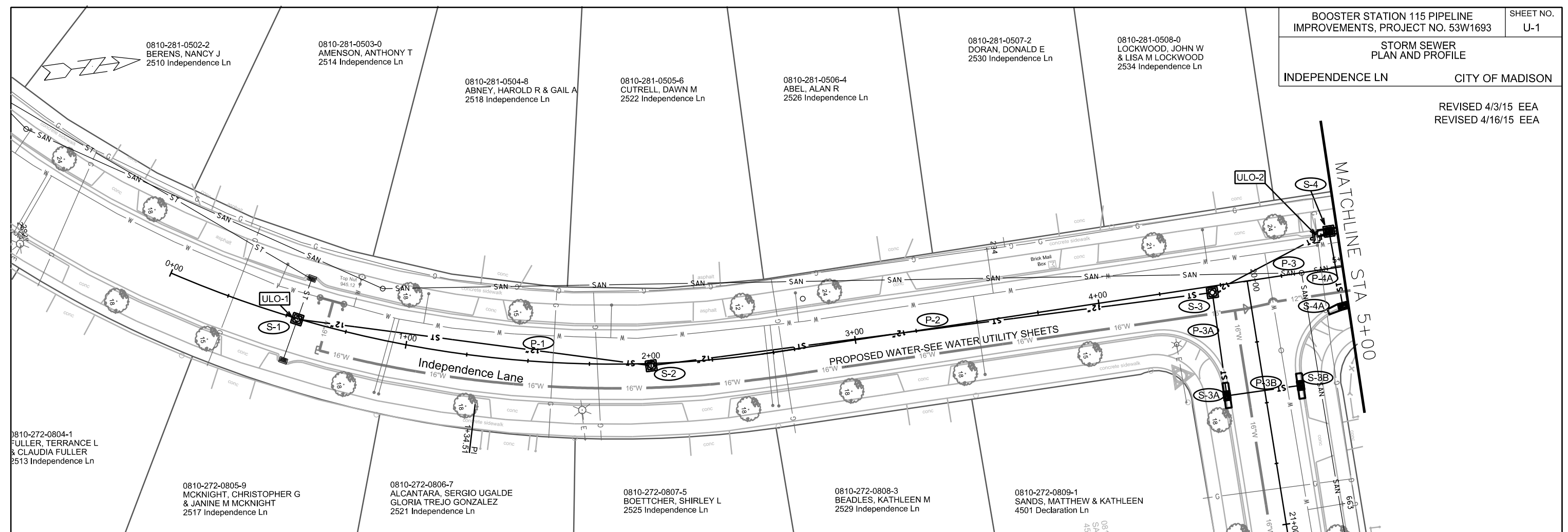
PLOT SCALE: _____

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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

REVISED 4/3/15 EEA
REVISED 4/16/15 EEA

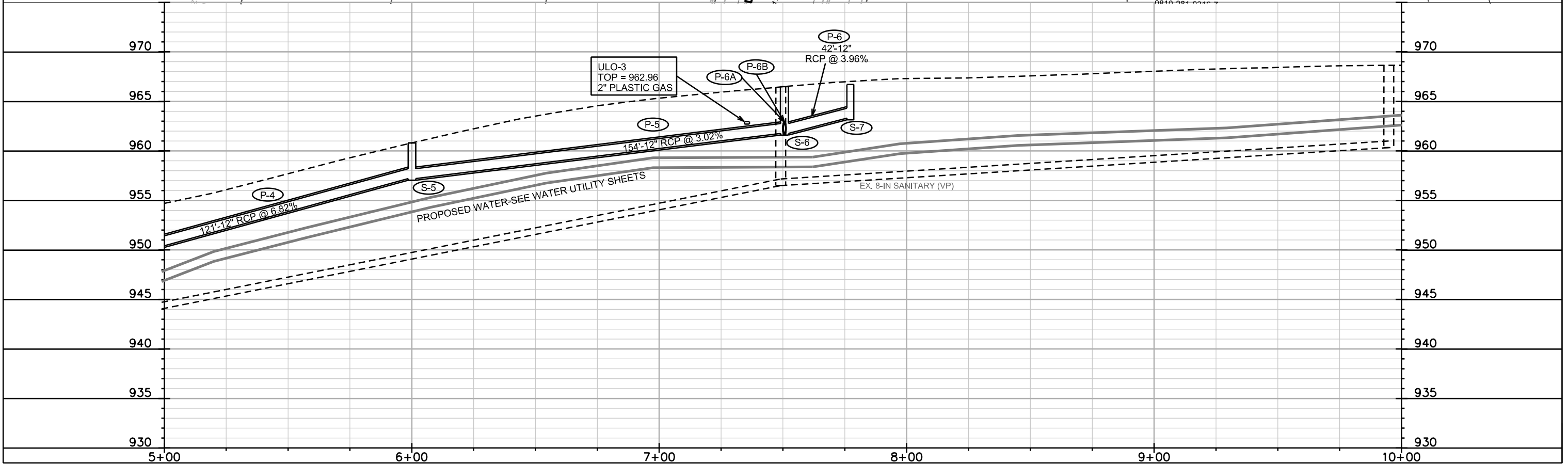
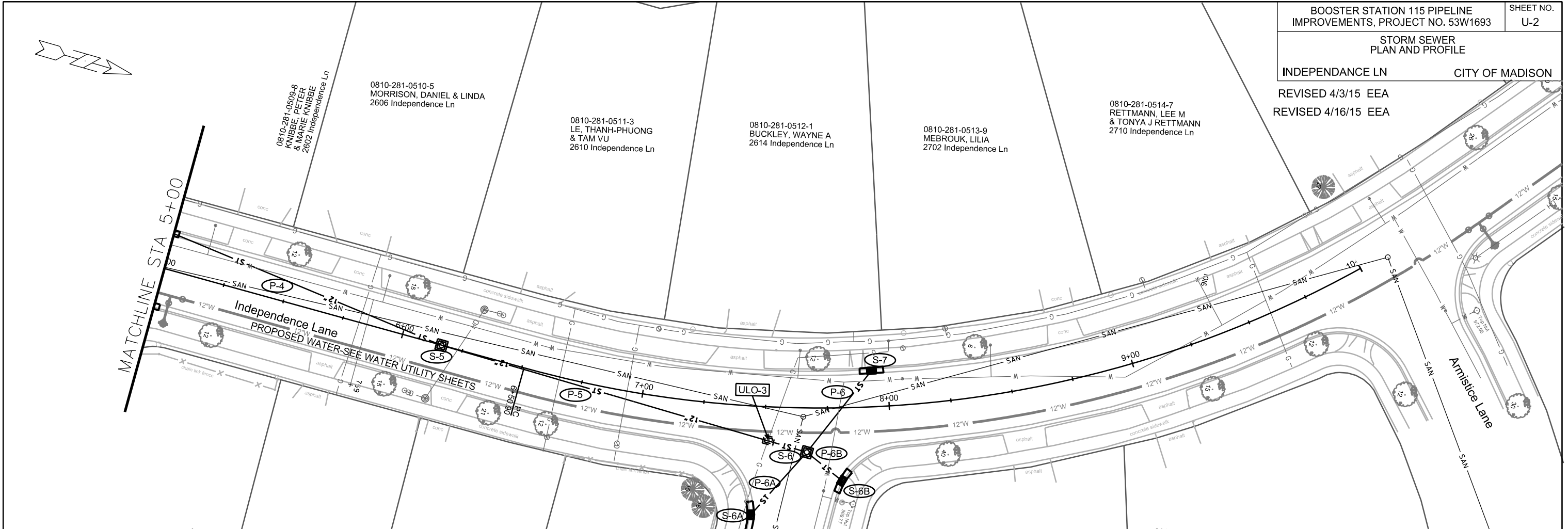


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STORM SEWER SCHEDULE

* REVISED 4/3/15 EEA
 + REVISED 4/16/15 EEA

BOOSTER STATION 115 PIPELINE IMPROVEMENTS, PROJECT NO. 53W1693		SHEET NO. U-3
STORM SEWER SCHEDULE		
INDEPENDENCE LANE		CITY OF MADISON

PROPOSED STORM STRUCTURES

PROPOSED STORM PIPES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES	PIPE NO.	FROM (DNSTM)	TO (UPSTM)	PLAN LGTH (FT)	PIPE LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
INDEPENDENCE LANE																		
* S-1	0+54.53	CL	3X3 SAS	941.55	937.69	3.86	FP; W/ R-1550-0054, NOTE (1)	P-1	S-1	S-2	145	142	937.69	939.71	1.42	12"	RCP	-
* S-2	2+00.00	RT-0.51	3X3 SAS	943.69	939.71	3.98	W/ R-1550-0054	P-2	S-2	S-3	230	227	939.71	947.47	3.42	12"	RCP	-
* S-3	4+29.99	RT-2.56	3X3 SAS	951.27	947.47	3.80	W/ R-1550-0054	P-3	S-3	S-4	54	50	947.47	949.19	3.42	12"	RCP	-
* S-3A	4+29.62	RT-44.89	H INLET	952.11	948.51	3.60	W/ R-3067-7004-V	P-3A	S-3	S-3A	42	39	947.47	948.51	2.64	12"	RCP	-
* S-3B	4+59.84	RT-45.18	H INLET	953.30	949.70	3.60	W/ R-3067-7004-V	P-3B	S-3A	S-3B	30	28	948.51	949.70	4.22	12"	RCP	-
* S-4	4+80.52	LT-15.04	3X3 SAS	952.99	949.19	3.80	W/ R-3067-7004-V	P-4	S-4	S-5	121	118	949.19	957.20	6.82	12"	RCP	-
* S-4A	4+81.59	RT-15.92	H INLET	953.57	950.17	3.40	W/ R-3067-7004-V	P-4A	S-4	S-4A	31	29	949.19	950.17	3.44	12"	RCP	-
* S-5	6+00.00	CL	3X3 SAS	960.80	957.20	3.60	W/ R-1550-0054	+ P-5	S-5	S-6	154	151	957.20	961.76	3.02	12"	RCP	-
* + S-6	7+50.60	RT-17.90	3X3 SAS	966.49	961.76	4.73	W/ R-1550-0054	+ P-6	S-6	S-7	42	39	961.76	963.31	3.96	12"	RCP	-
* S-6A	7+30.20	RT-43.99	H INLET	965.99	962.59	3.40	FP; W/ R-3067-7004-V	+ P-6A	S-6	S-6A	34	31	961.76	962.59	2.69	12"	RCP	-
* S-6B	7+64.09	RT-29.54	H INLET	966.53	963.13	3.40	W/ R-3067-7004-V	+ P-6B	S-6	S-6B	18	16	961.76	963.13	8.72	12"	RCP	-
* S-7	7+77.23	LT-14.65	H INLET	966.71	963.31	3.40	FP; W/ R-3067-7004-V											

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
* + ULO-1	0+54.53	CL	EX STM	ULO TO VERIFY DEPTH DELETED. NOT NEEDED
* + ULO-2	4+75.00	LT-13.14	GAS	TOP OF 4" STEEL = 948.00
* + ULO-3	7+35.00	RT-14.30	GAS	TOP OF 2" PLASTIC = 962.96

NOTE: PLAN 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 ELIA E ACOSTA OF CITY ENGINEERING AT (608) 266-4096 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.

SPECIFIC NOTES

(1) ULO AT S-1 TO VERIFY DEPTH

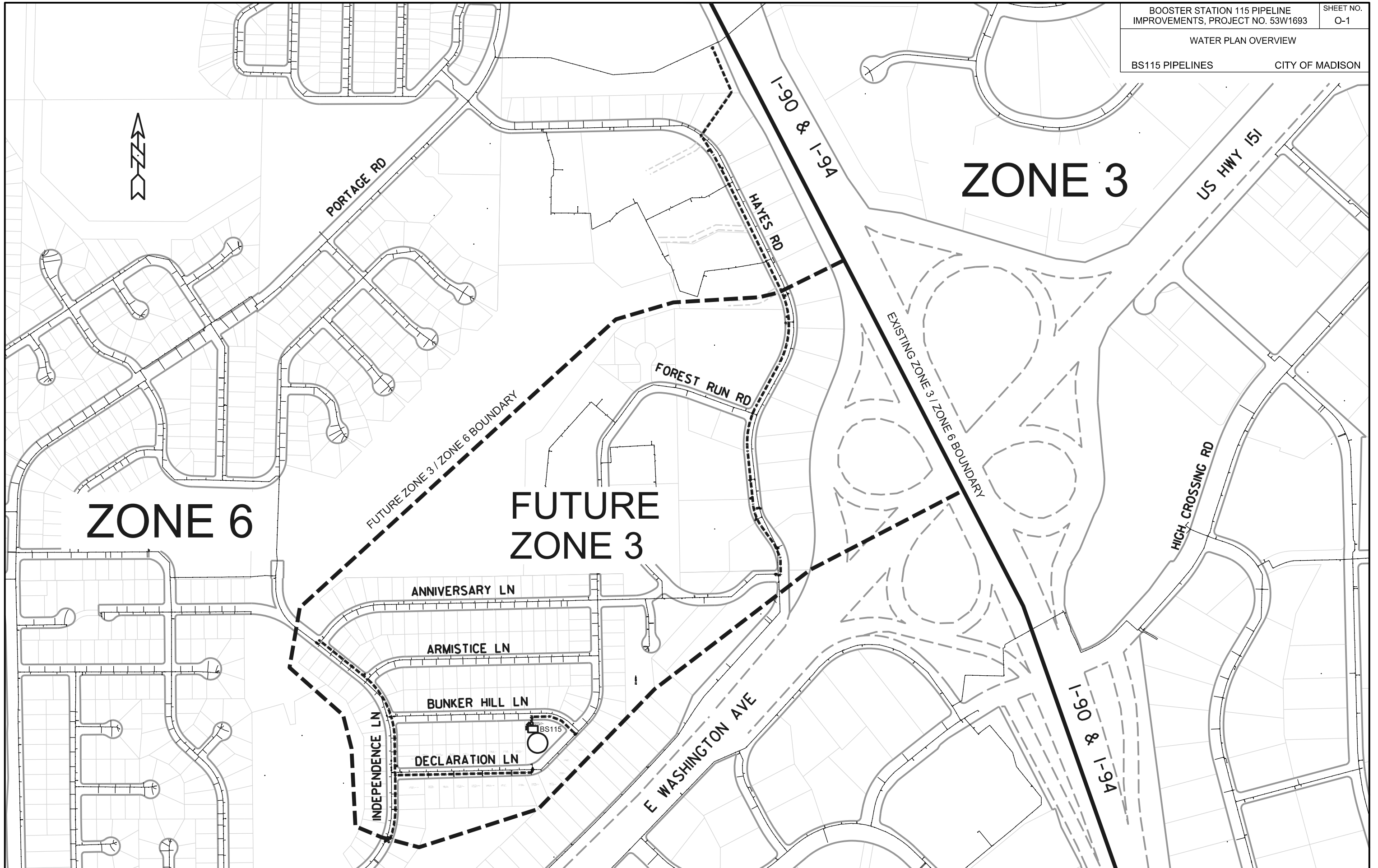


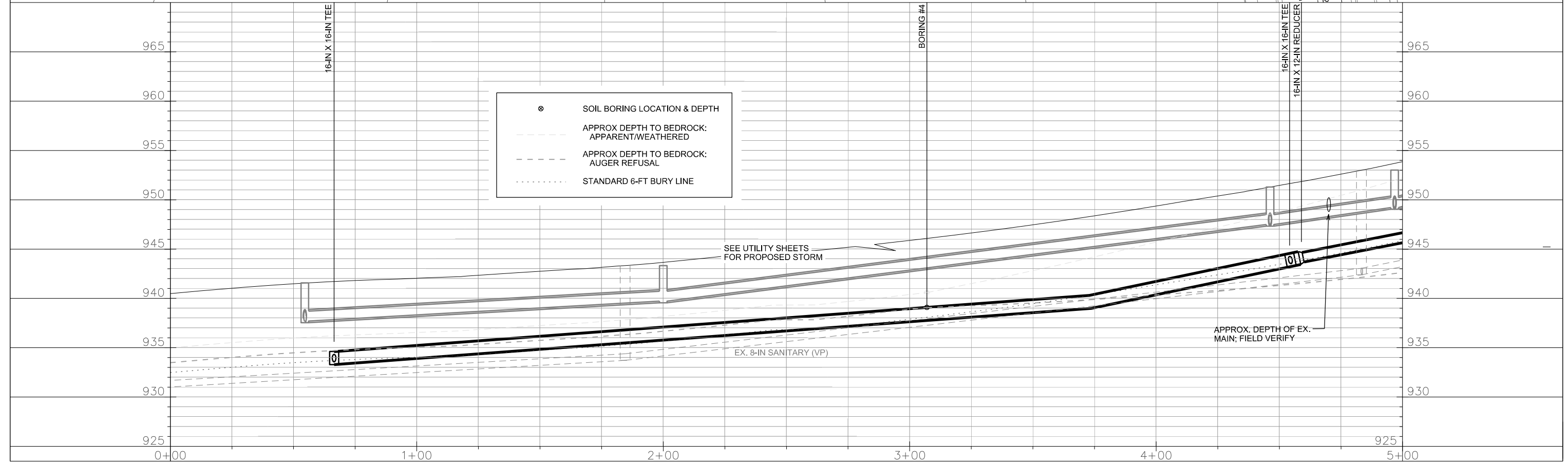
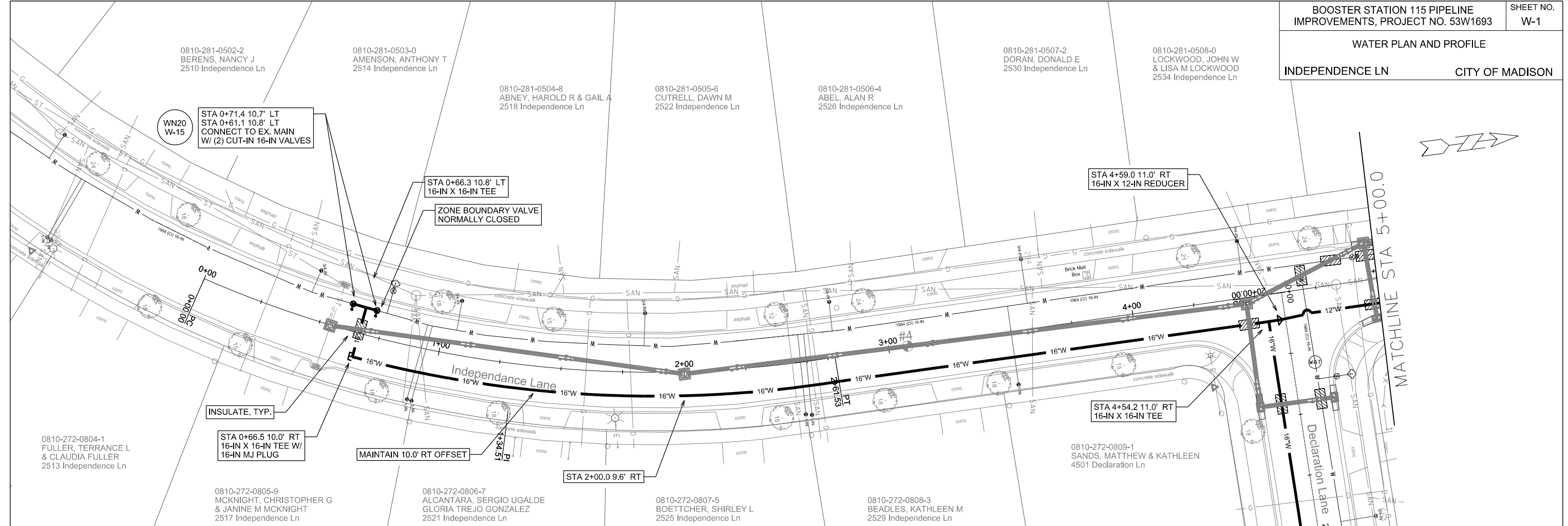
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

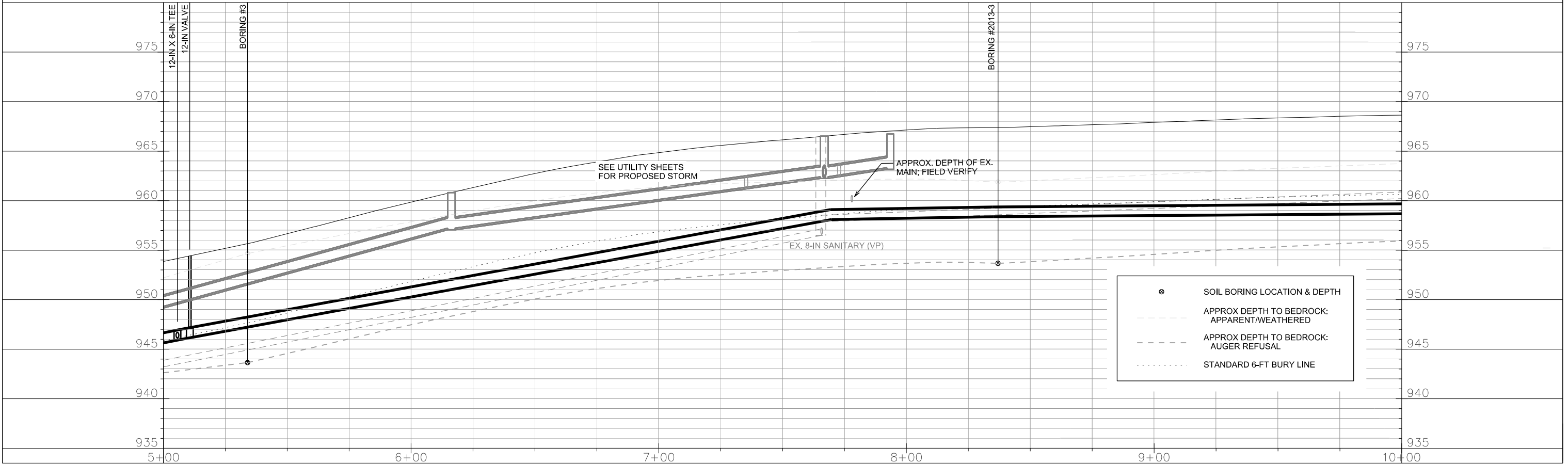
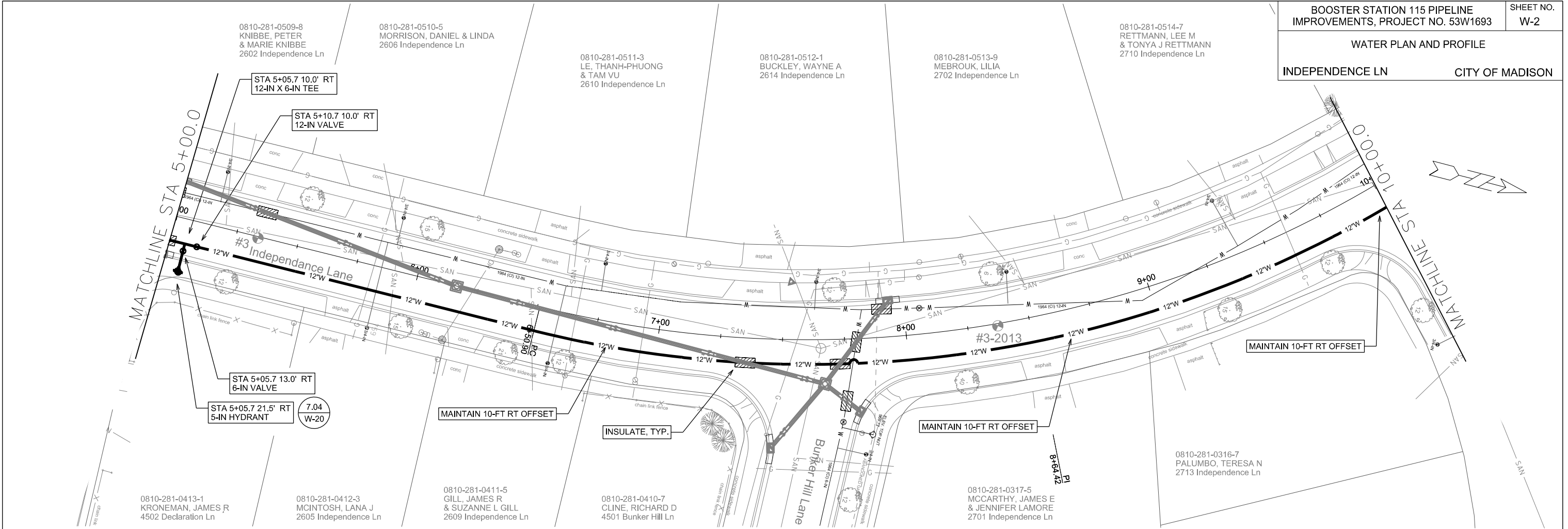


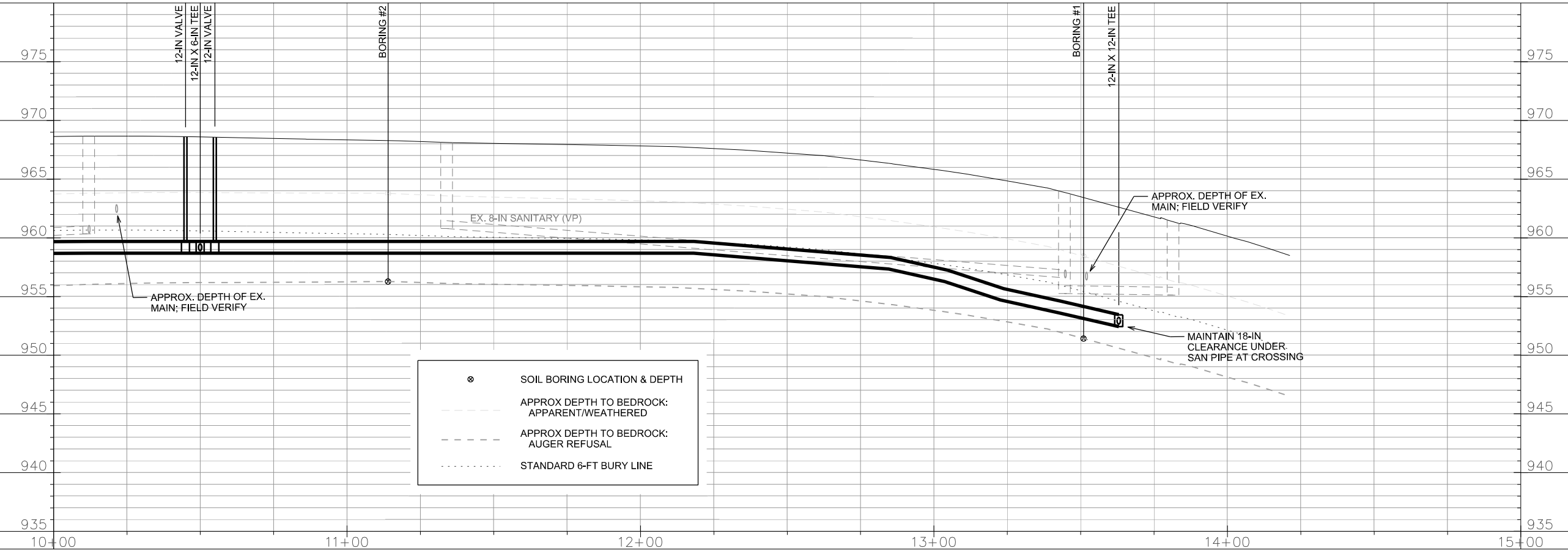
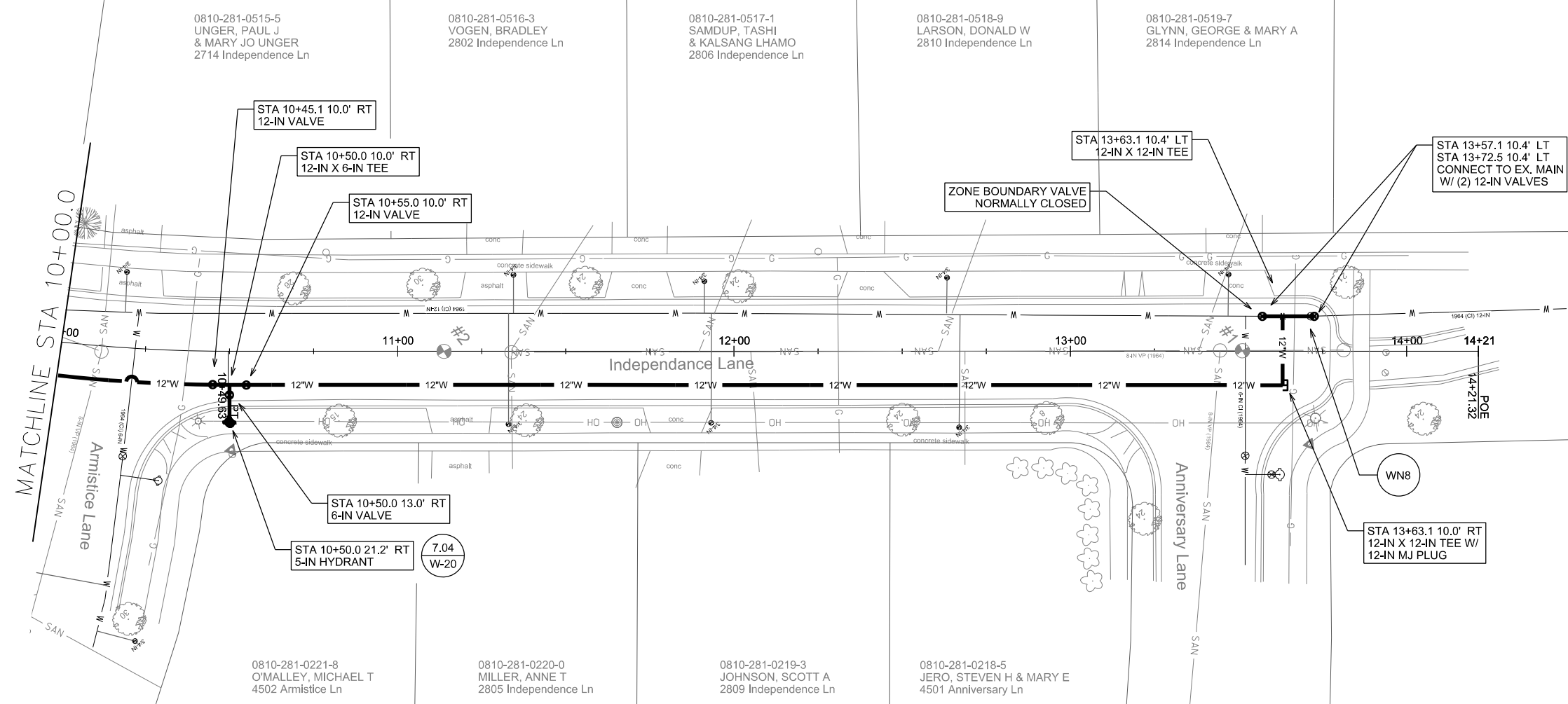


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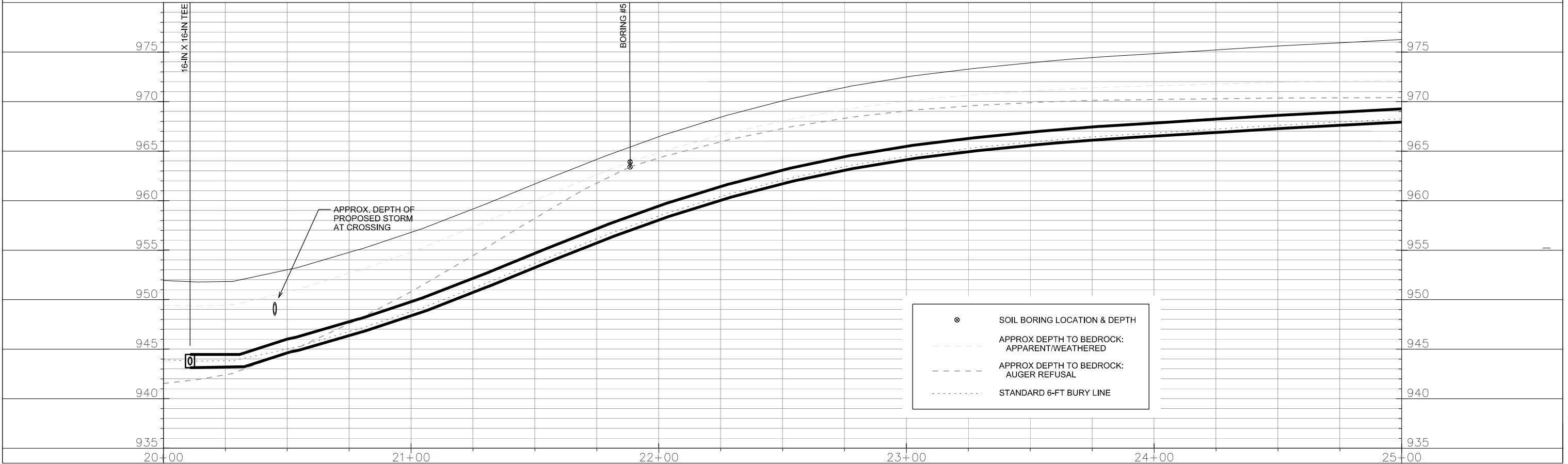
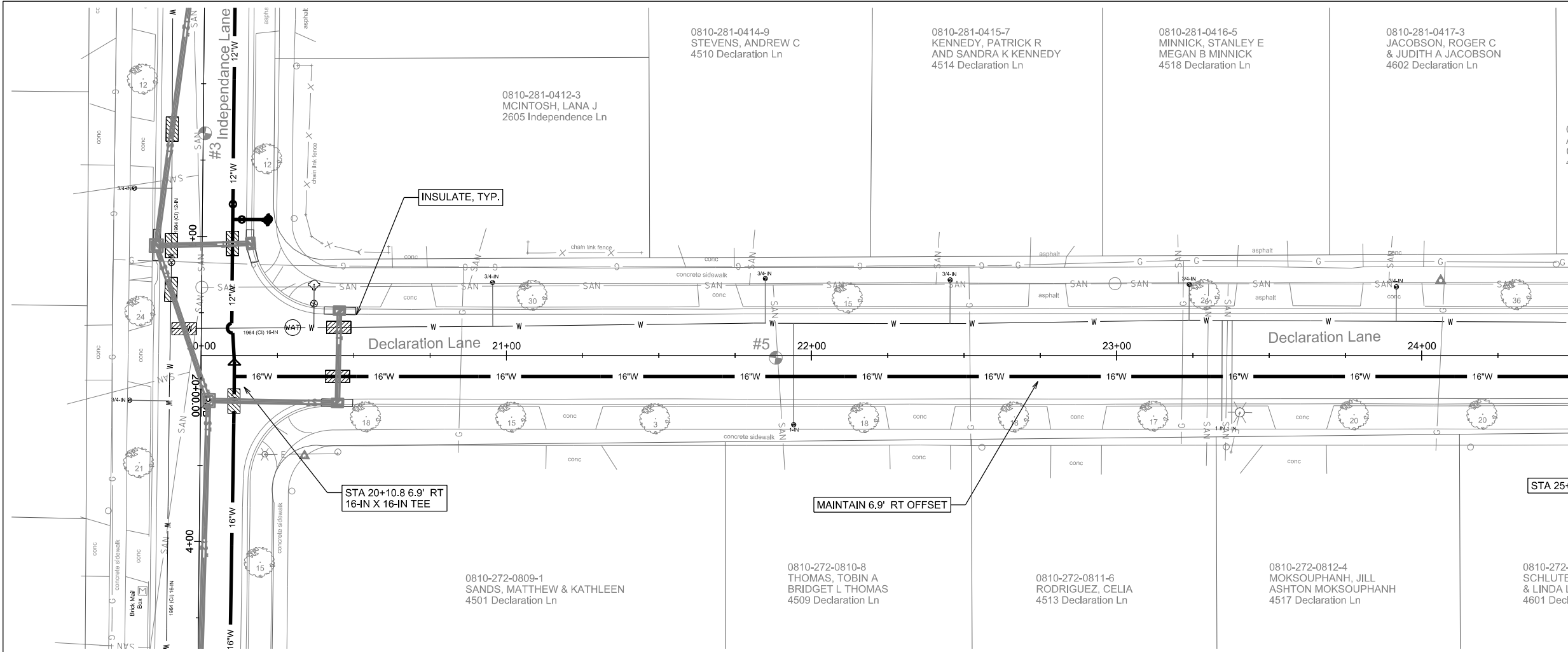
ORIGINATOR: CITY OF MADISON, STREETS DIVISION





● SOIL BORING LOCATION & DEPTH
 - - - - - APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED
 - - - - - APPROX DEPTH TO BEDROCK: AUGER REFUSAL
 ······ STANDARD 6-FT BURY LINE

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



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-281-0419-9
 ZOLADZ, THEODORE W
 4610 Declaration Ln

0810-281-0420-6
 MKHH TRUST
 4614 Declaration Ln

0810-281-0421-4
 NELSON, DARLENE HACKL & FRANCIS F NELSON
 4618 Declaration Ln

0810-281-0401-6
 CITY OF MADISON WATER UT
 WATER TOWER # 115
 4701 Bunker Hill Ln

0810-272-0204-3
 OKAZAKI, STACY H
 4713 Declaration Ln

0810-272-0203-5
 BORCHARDT, ELLEN L
 4709 Declaration Ln

0810-272-0814-0
 CHLEBOWSKI, DALE & KRISTI
 4605 Declaration Ln

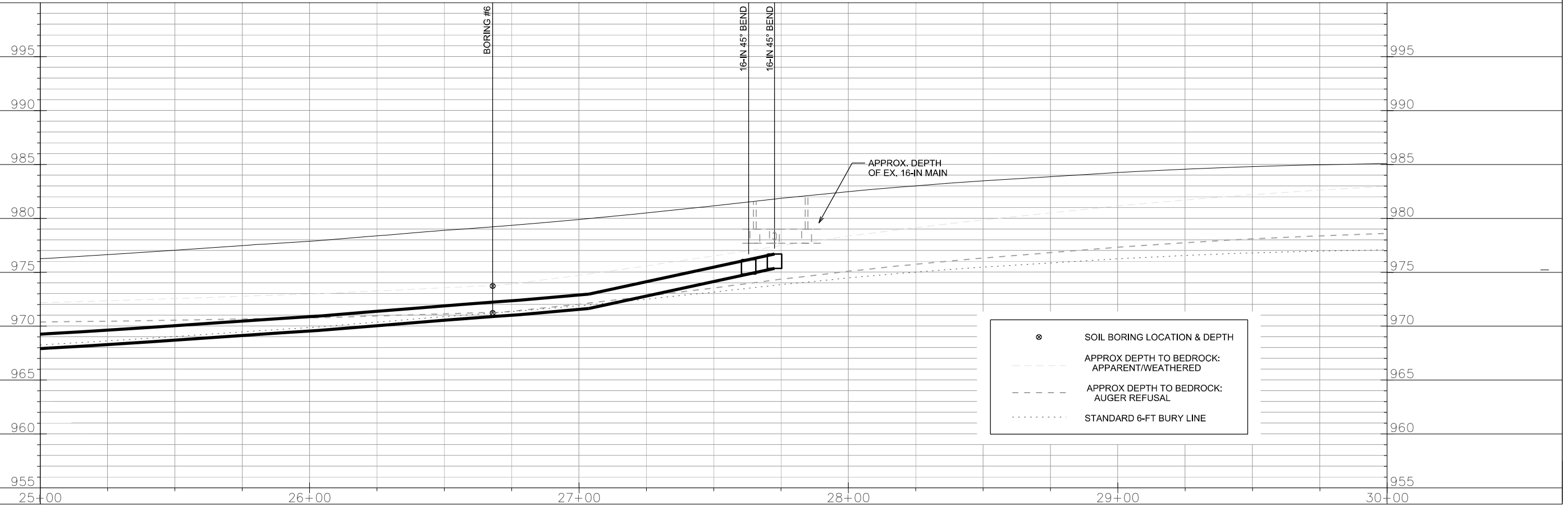
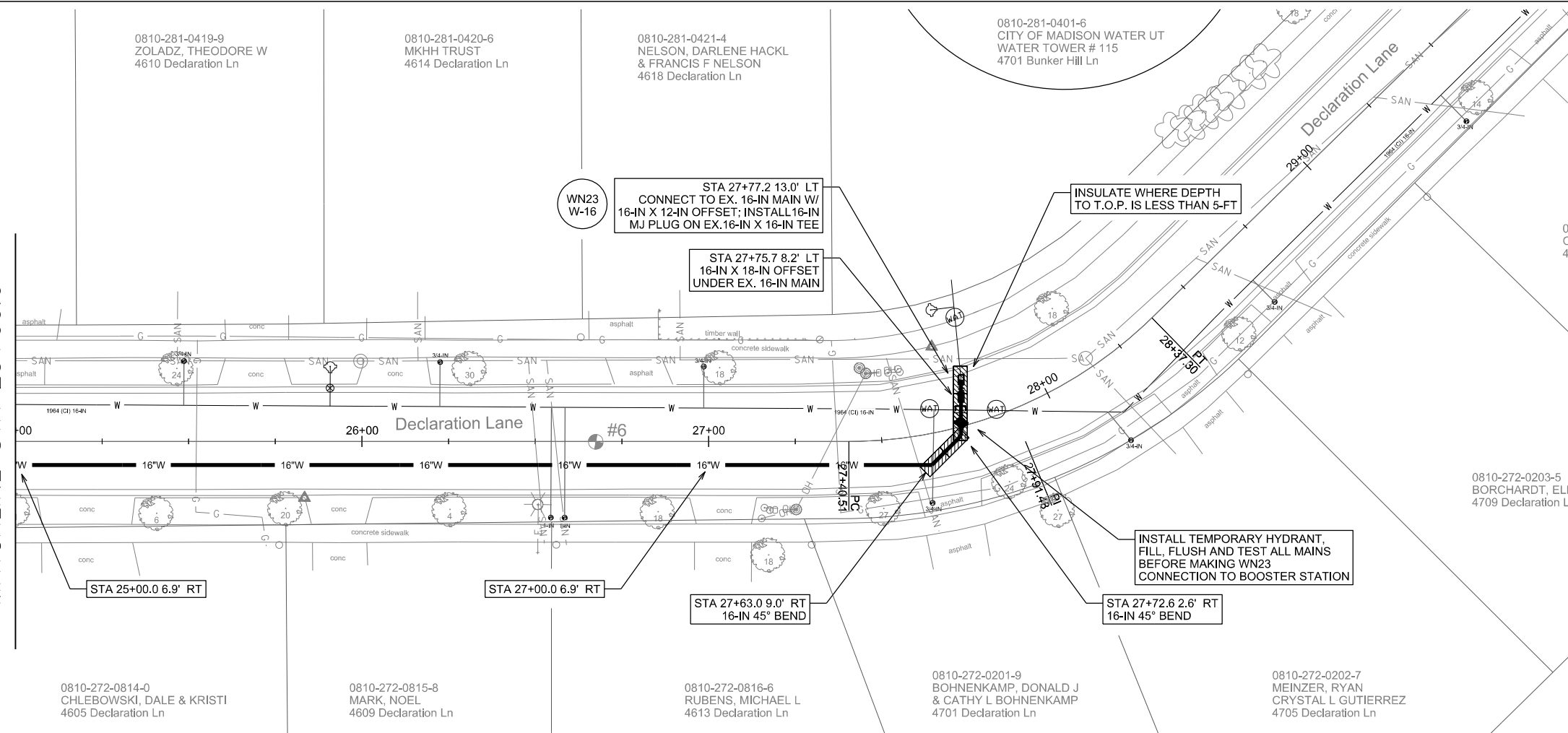
0810-272-0815-8
 MARK, NOEL
 4609 Declaration Ln

0810-272-0816-6
 RUBENS, MICHAEL L
 4613 Declaration Ln

0810-272-0201-9
 BOHNENKAMP, DONALD J & CATHY L BOHNENKAMP
 4701 Declaration Ln

0810-272-0202-7
 MEINZER, RYAN
 CRYSTAL L GUTIERREZ
 4705 Declaration Ln

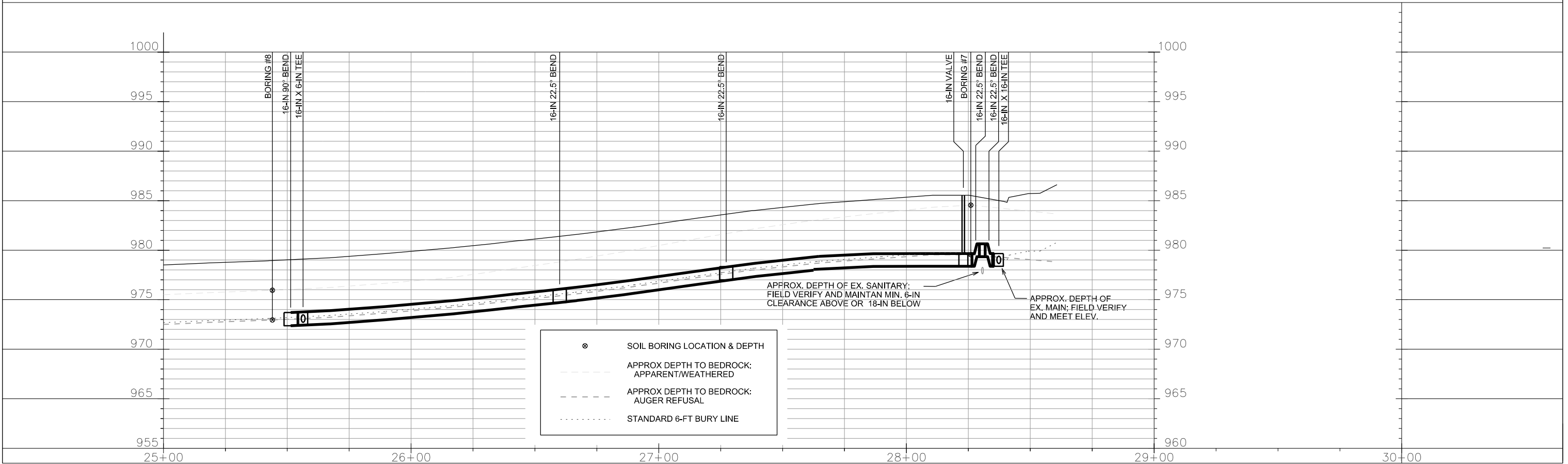
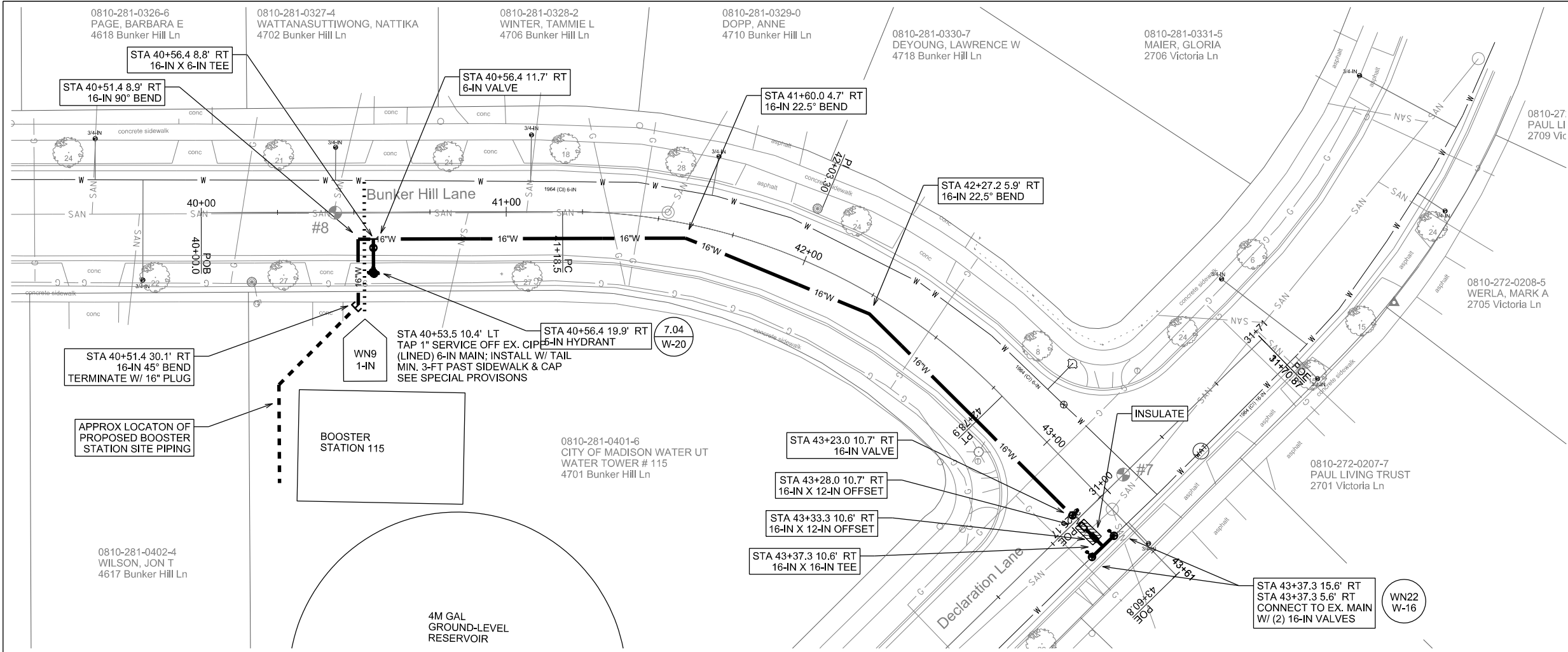
MATCHLINE STA 25+00.0



PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

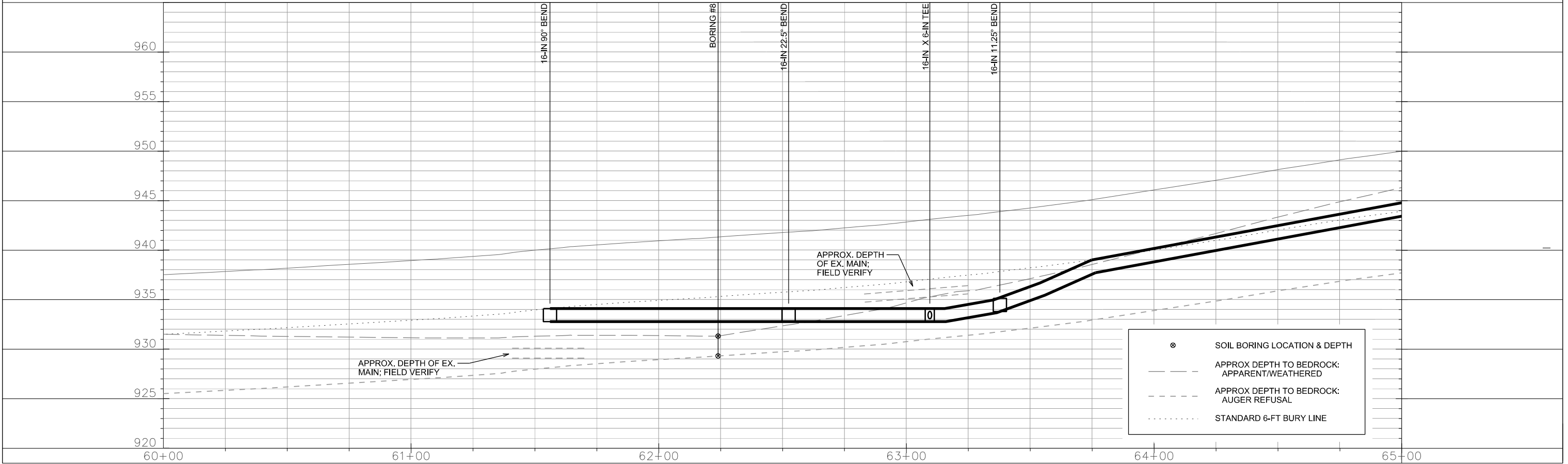
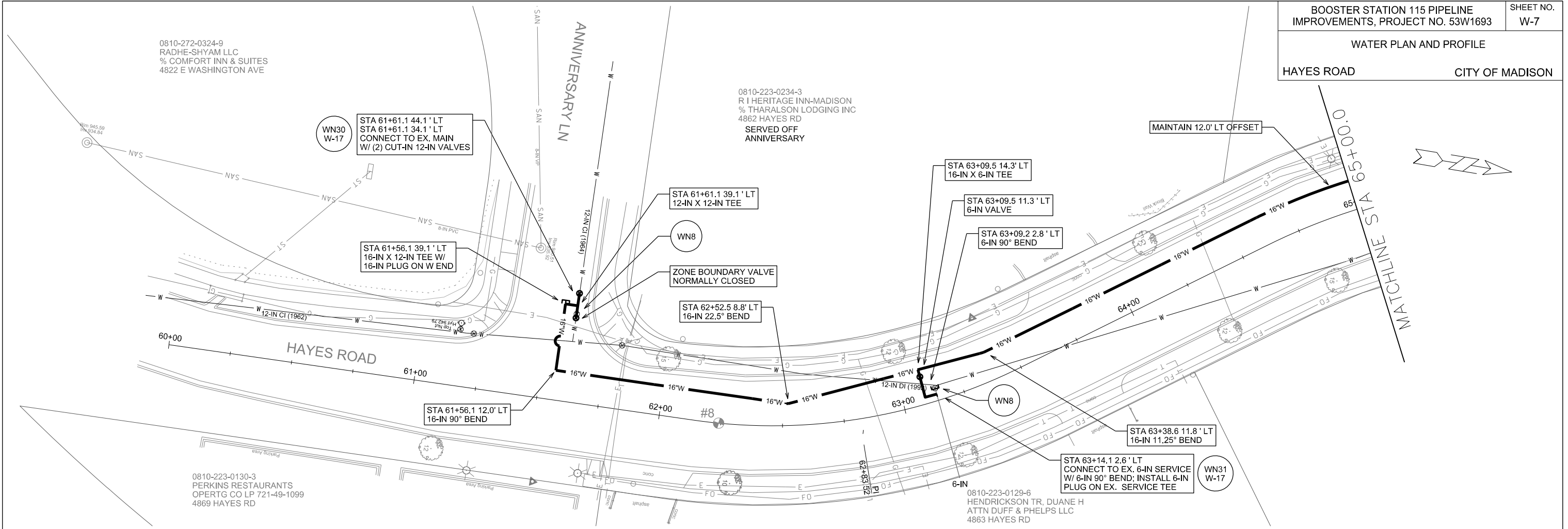
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-272-0324-9
RADHE-SHYAM LLC
% COMFORT INN & SUITES
4822 E WASHINGTON AVE

0810-223-0234-3
R 1 HERITAGE INN-MADISON
% THARALSON LODGING INC
4862 HAYES RD
SERVED OFF
ANNIVERSARY

0810-223-0130-3
PERKINS RESTAURANTS
OPERTG CO LP 721-49-1099
4869 HAYES RD

0810-223-0129-6
HENDRICKSON TR, DUANE H
ATTN DUFF & PHELPS LLC
4863 HAYES RD



	SOIL BORING LOCATION & DEPTH
	APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED
	APPROX DEPTH TO BEDROCK: AUGER REFUSAL
	STANDARD 6-FT BURY LINE

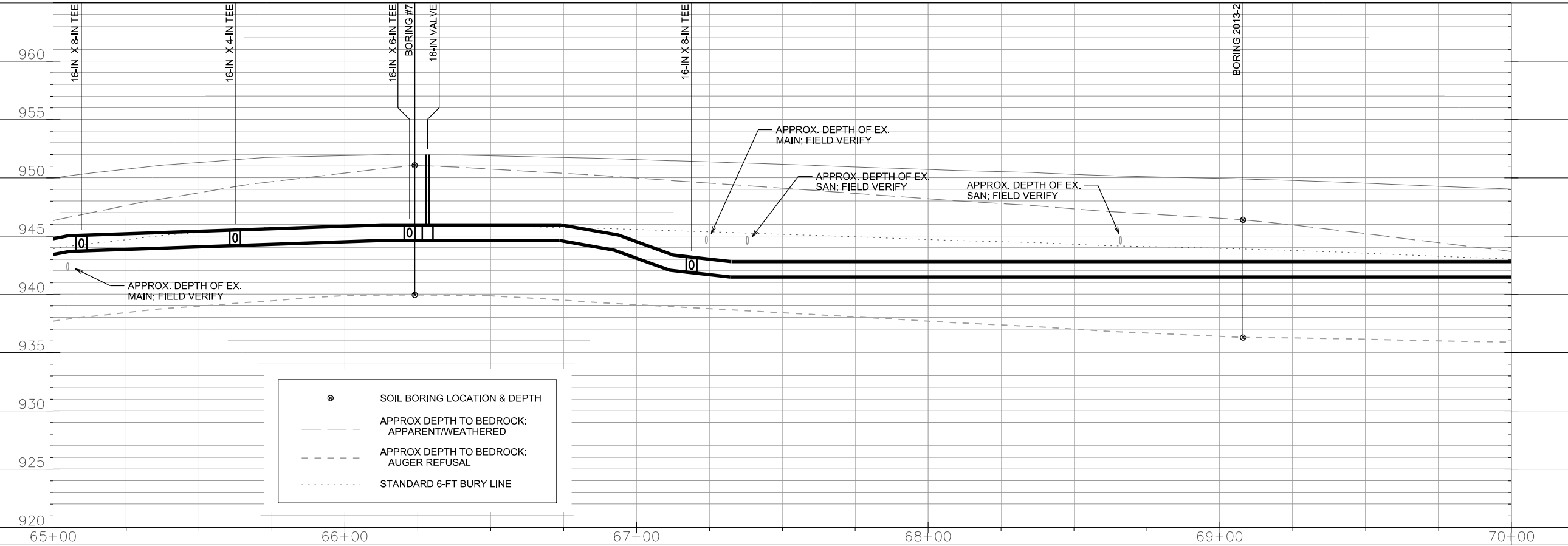
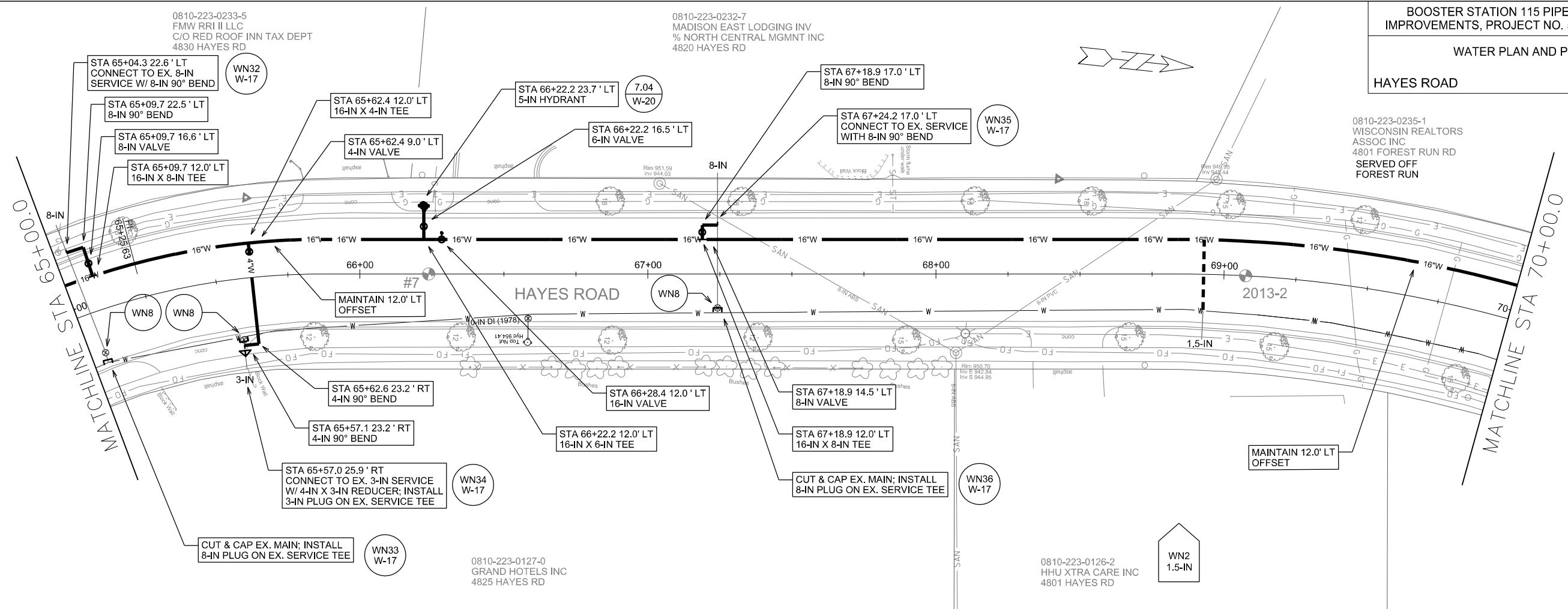
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0810-223-0235-1
WISCONSIN REALTORS
ASSOC INC
4801 FOREST RUN RD
SERVED OFF
FOREST RUN



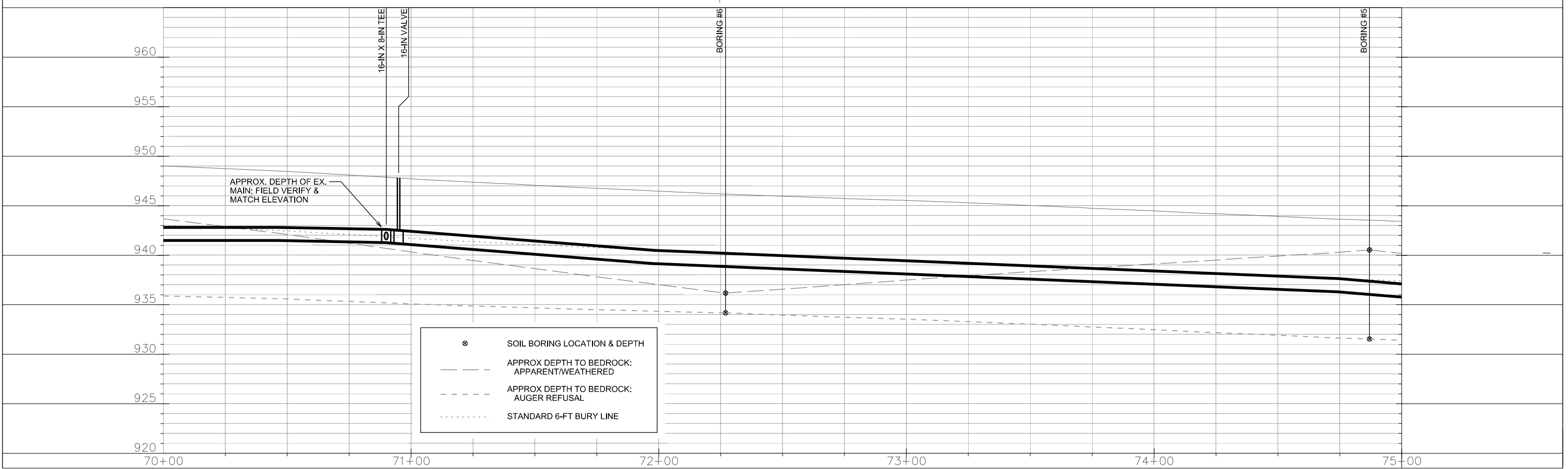
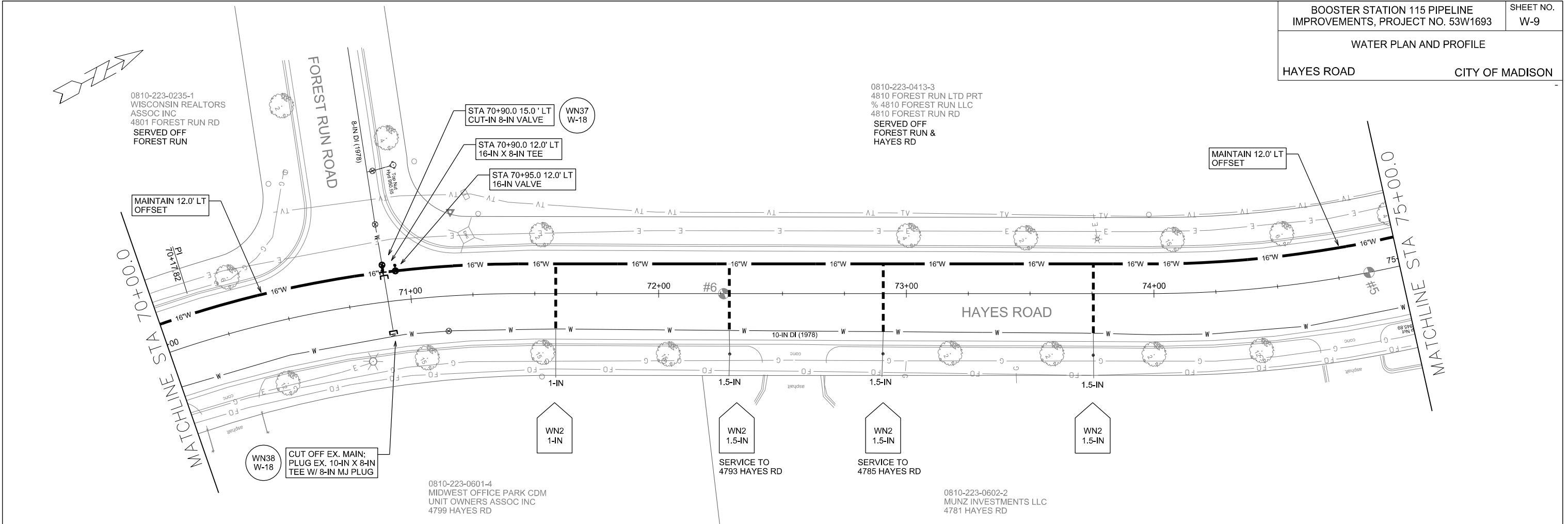
● SOIL BORING LOCATION & DEPTH
 ——— APPROX DEPTH TO BEDROCK: APPARENT/WEATHERED
 - - - APPROX DEPTH TO BEDROCK: AUGER REFUSAL
 ····· STANDARD 6-FT BURY LINE

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

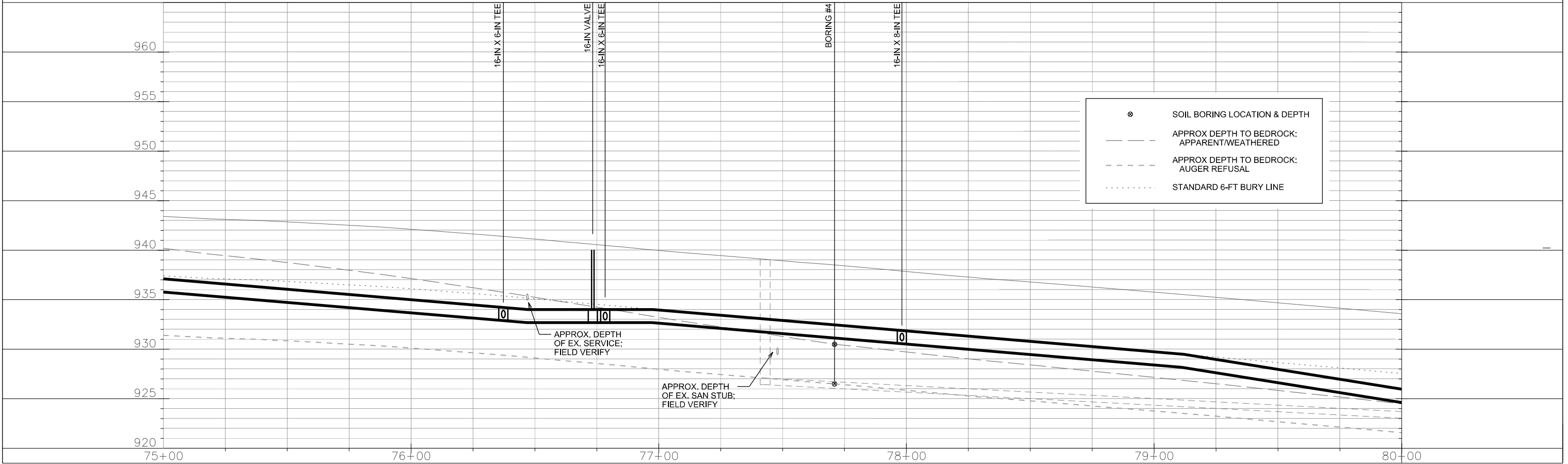
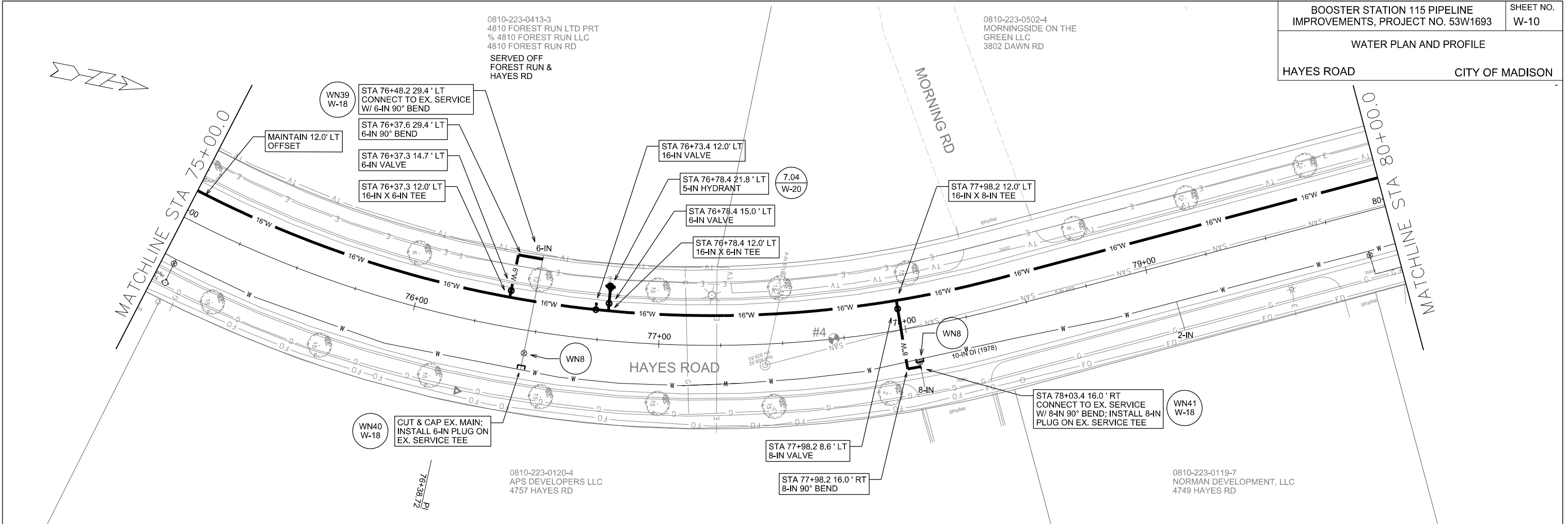


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

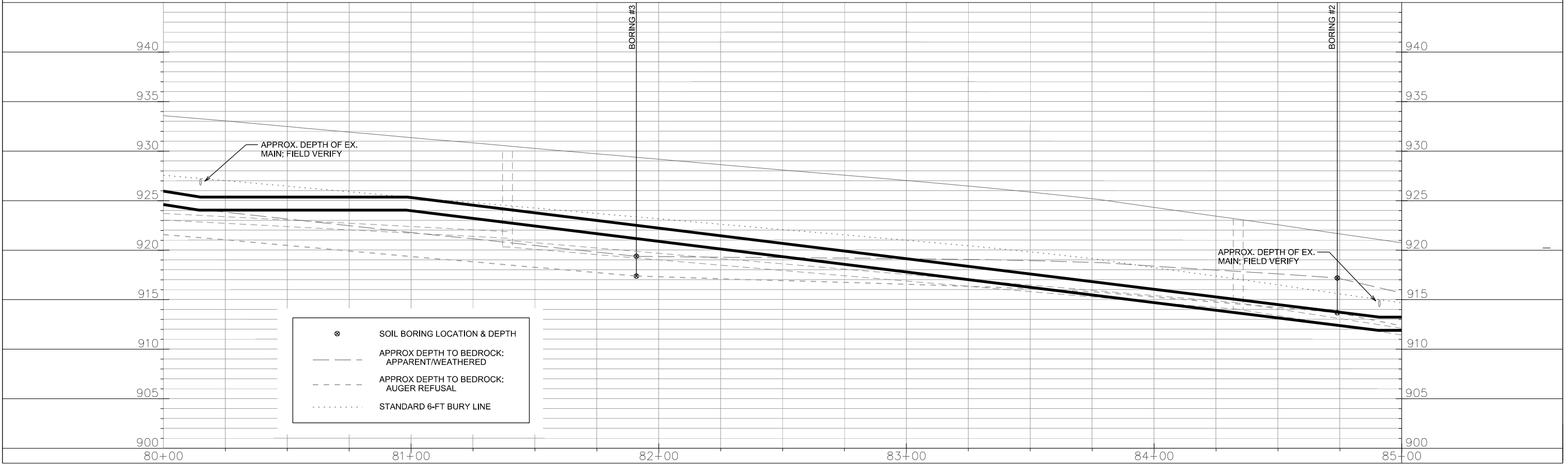
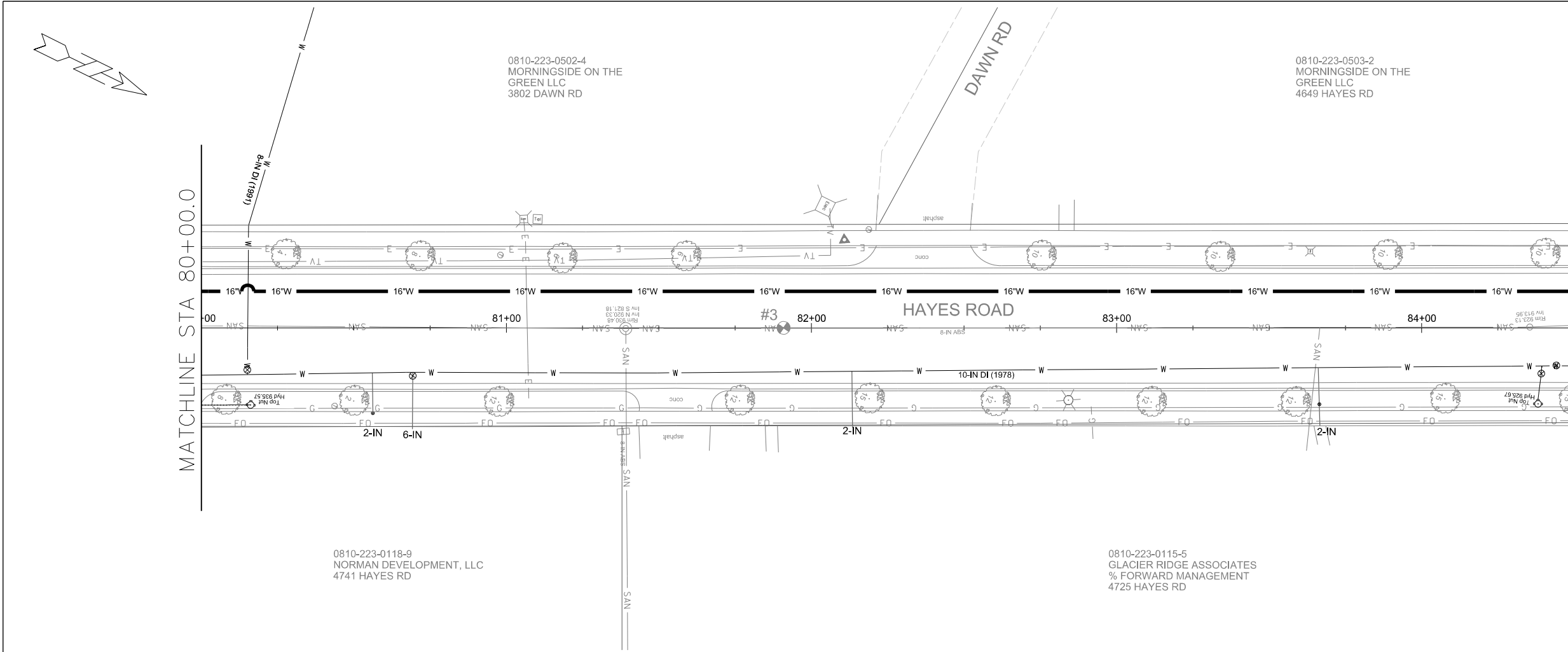
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

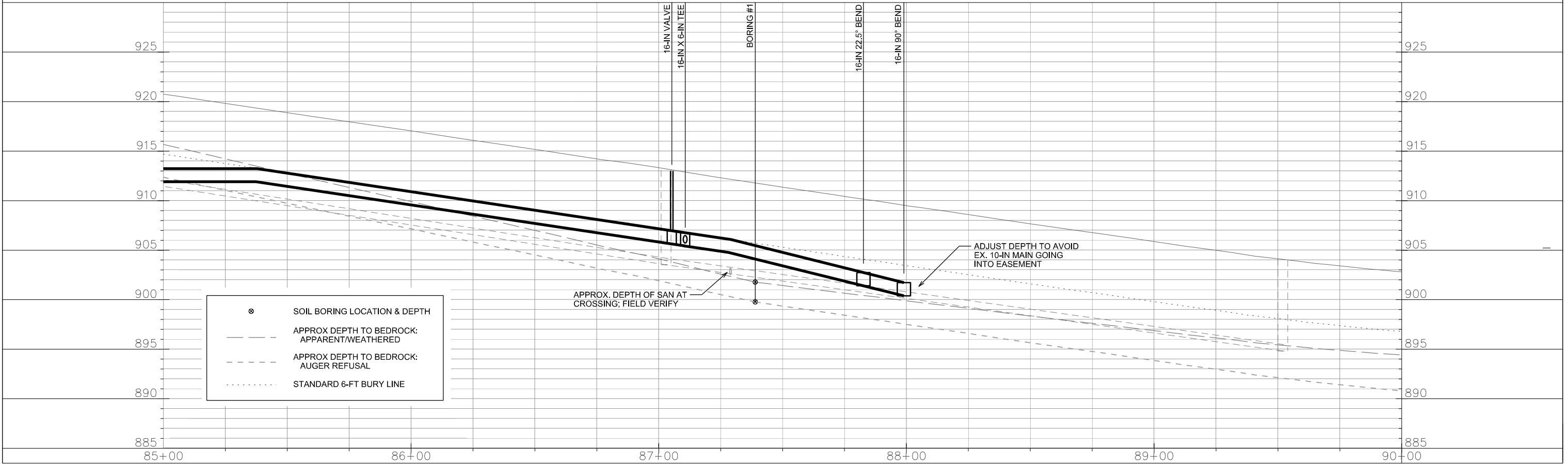
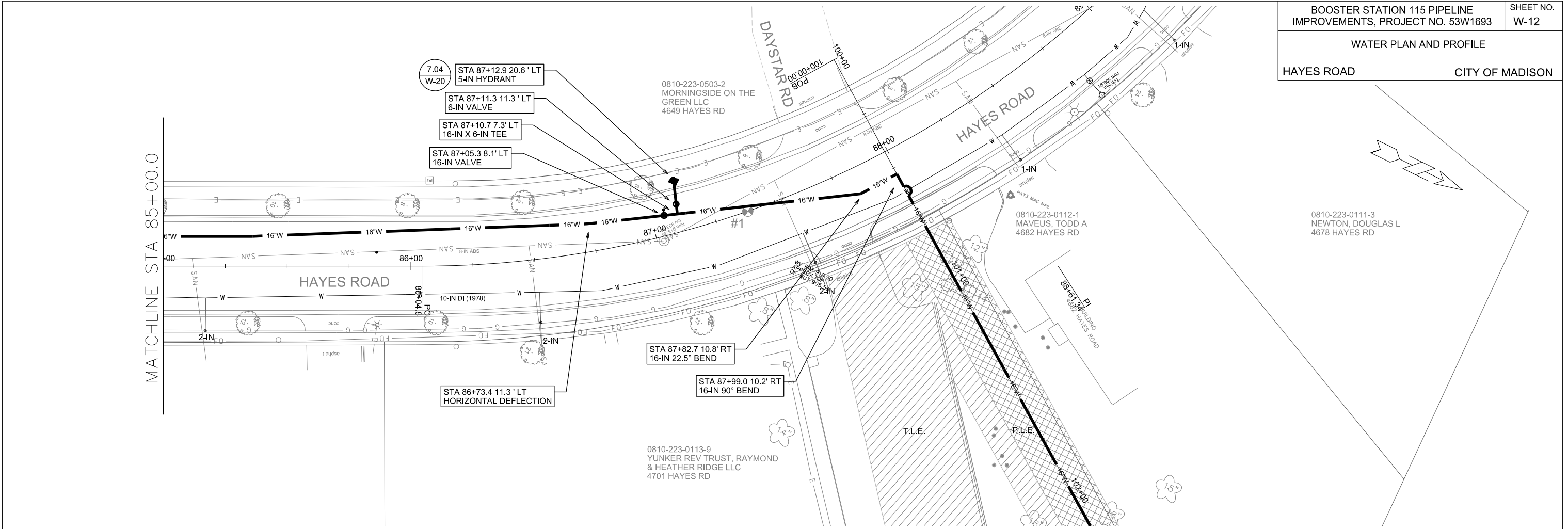


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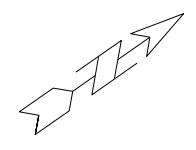
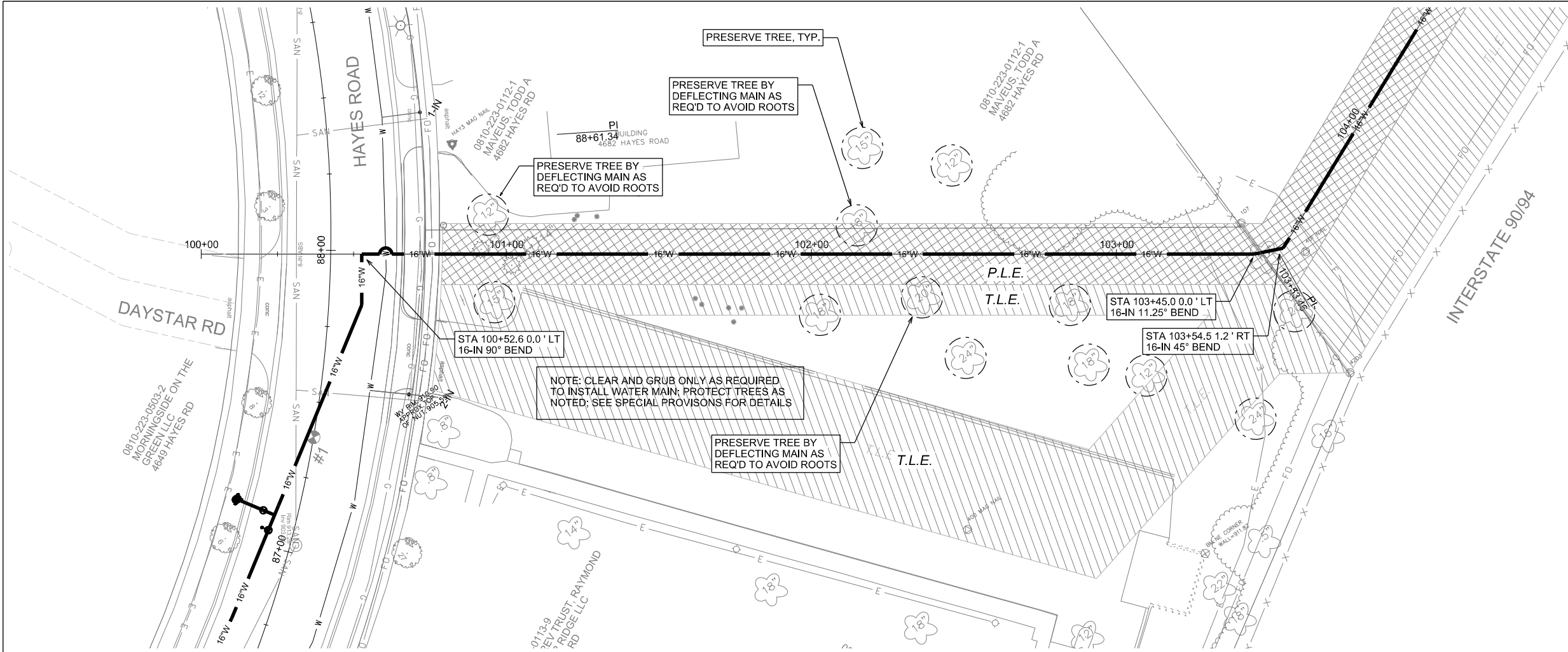


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

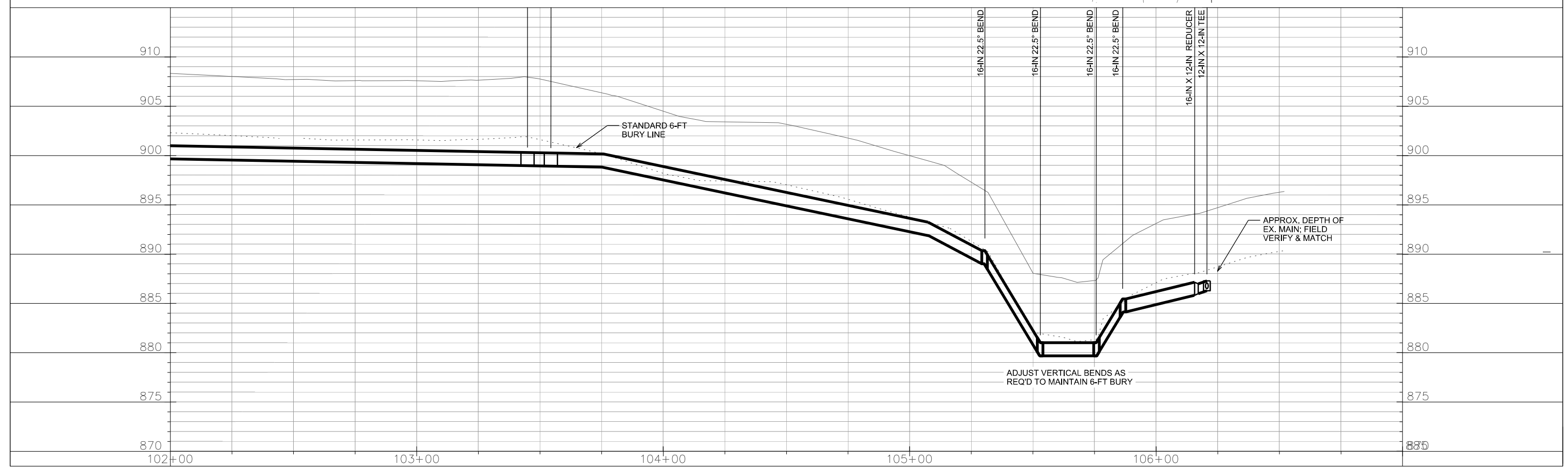
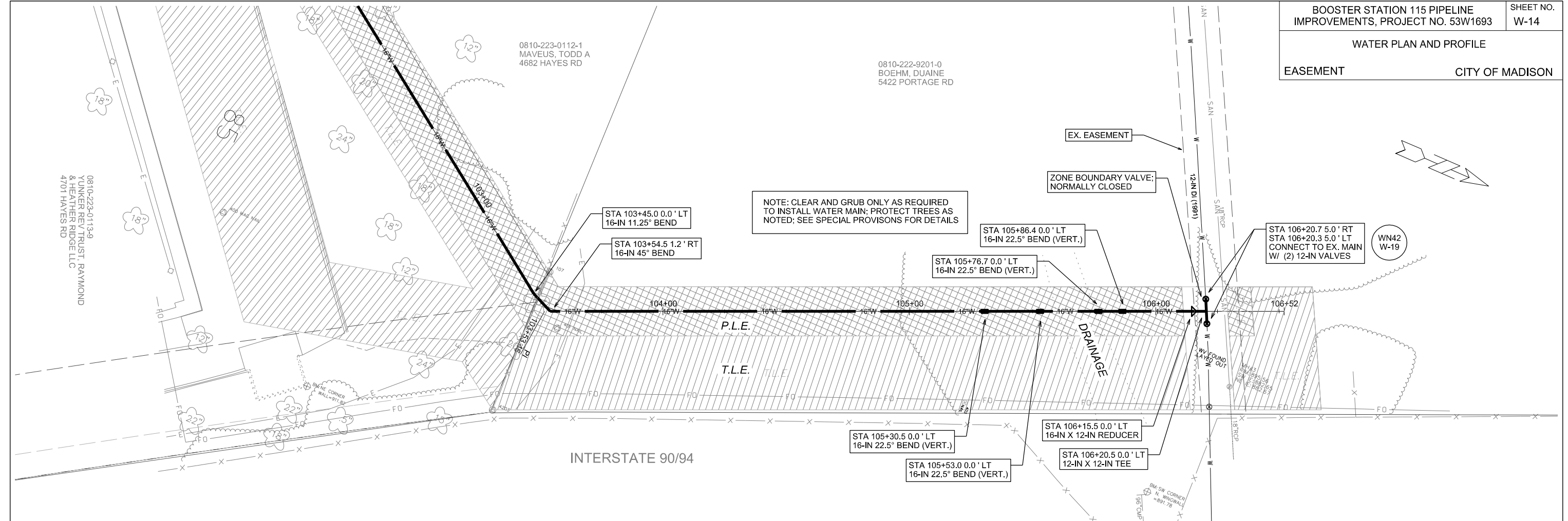


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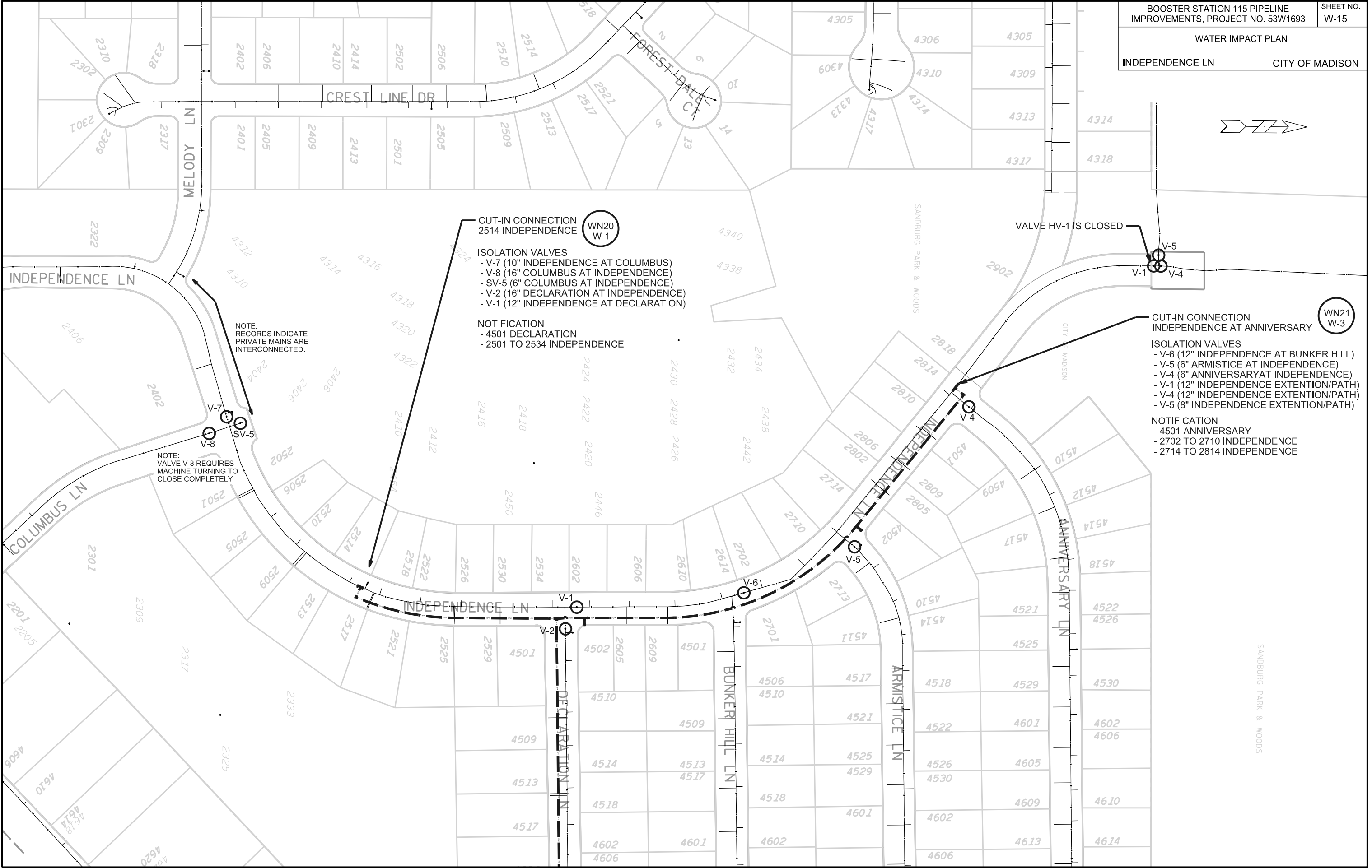
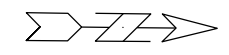
PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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



CUT-IN CONNECTION
 2514 INDEPENDENCE (WN20 W-1)

ISOLATION VALVES
 - V-7 (10" INDEPENDENCE AT COLUMBUS)
 - V-8 (16" COLUMBUS AT INDEPENDENCE)
 - SV-5 (6" COLUMBUS AT INDEPENDENCE)
 - V-2 (16" DECLARATION AT INDEPENDENCE)
 - V-1 (12" INDEPENDENCE AT DECLARATION)

NOTIFICATION
 - 4501 DECLARATION
 - 2501 TO 2534 INDEPENDENCE

CUT-IN CONNECTION
 INDEPENDENCE AT ANNIVERSARY (WN21 W-3)

ISOLATION VALVES
 - V-6 (12" INDEPENDENCE AT BUNKER HILL)
 - V-5 (6" ARMISTICE AT INDEPENDENCE)
 - V-4 (6" ANNIVERSARY AT INDEPENDENCE)
 - V-1 (12" INDEPENDENCE EXTENTION/PATH)
 - V-4 (12" INDEPENDENCE EXTENTION/PATH)
 - V-5 (8" INDEPENDENCE EXTENTION/PATH)

NOTIFICATION
 - 4501 ANNIVERSARY
 - 2702 TO 2710 INDEPENDENCE
 - 2714 TO 2814 INDEPENDENCE

NOTE:
 RECORDS INDICATE
 PRIVATE MAINS ARE
 INTERCONNECTED.

NOTE:
 VALVE V-8 REQUIRES
 MACHINE TURNING TO
 CLOSE COMPLETELY

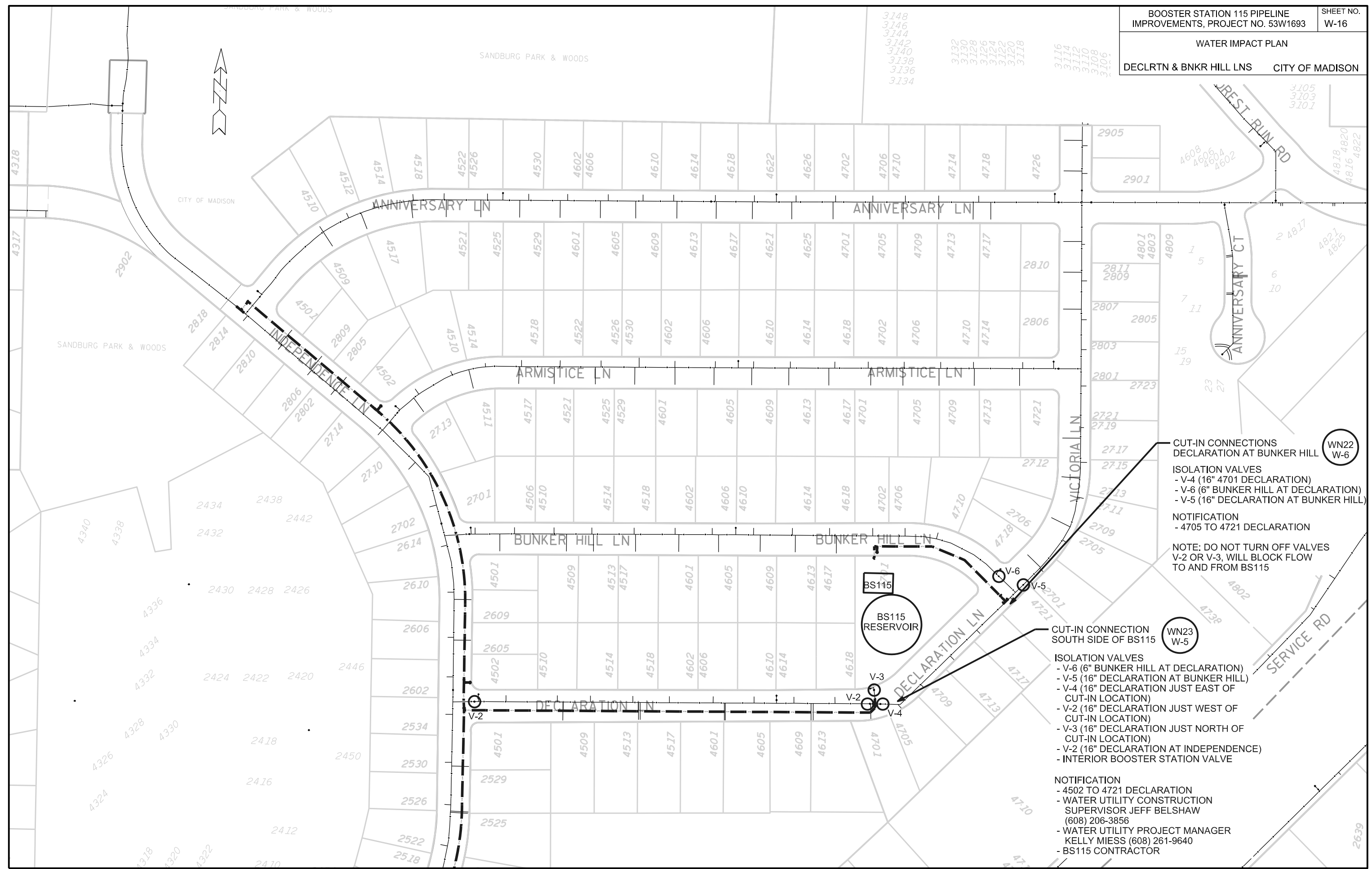
VALVE HV-1 IS CLOSED

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CUT-IN CONNECTIONS
 DECLARATION AT BUNKER HILL (WN22 W-6)

ISOLATION VALVES
 - V-4 (16" 4701 DECLARATION)
 - V-6 (6" BUNKER HILL AT DECLARATION)
 - V-5 (16" DECLARATION AT BUNKER HILL)

NOTIFICATION
 - 4705 TO 4721 DECLARATION

NOTE: DO NOT TURN OFF VALVES
 V-2 OR V-3, WILL BLOCK FLOW TO AND FROM BS115

CUT-IN CONNECTION
 SOUTH SIDE OF BS115 (WN23 W-5)

ISOLATION VALVES
 - V-6 (6" BUNKER HILL AT DECLARATION)
 - V-5 (16" DECLARATION AT BUNKER HILL)
 - V-4 (16" DECLARATION JUST EAST OF CUT-IN LOCATION)
 - V-2 (16" DECLARATION JUST WEST OF CUT-IN LOCATION)
 - V-3 (16" DECLARATION JUST NORTH OF CUT-IN LOCATION)
 - V-2 (16" DECLARATION AT INDEPENDENCE)
 - INTERIOR BOOSTER STATION VALVE

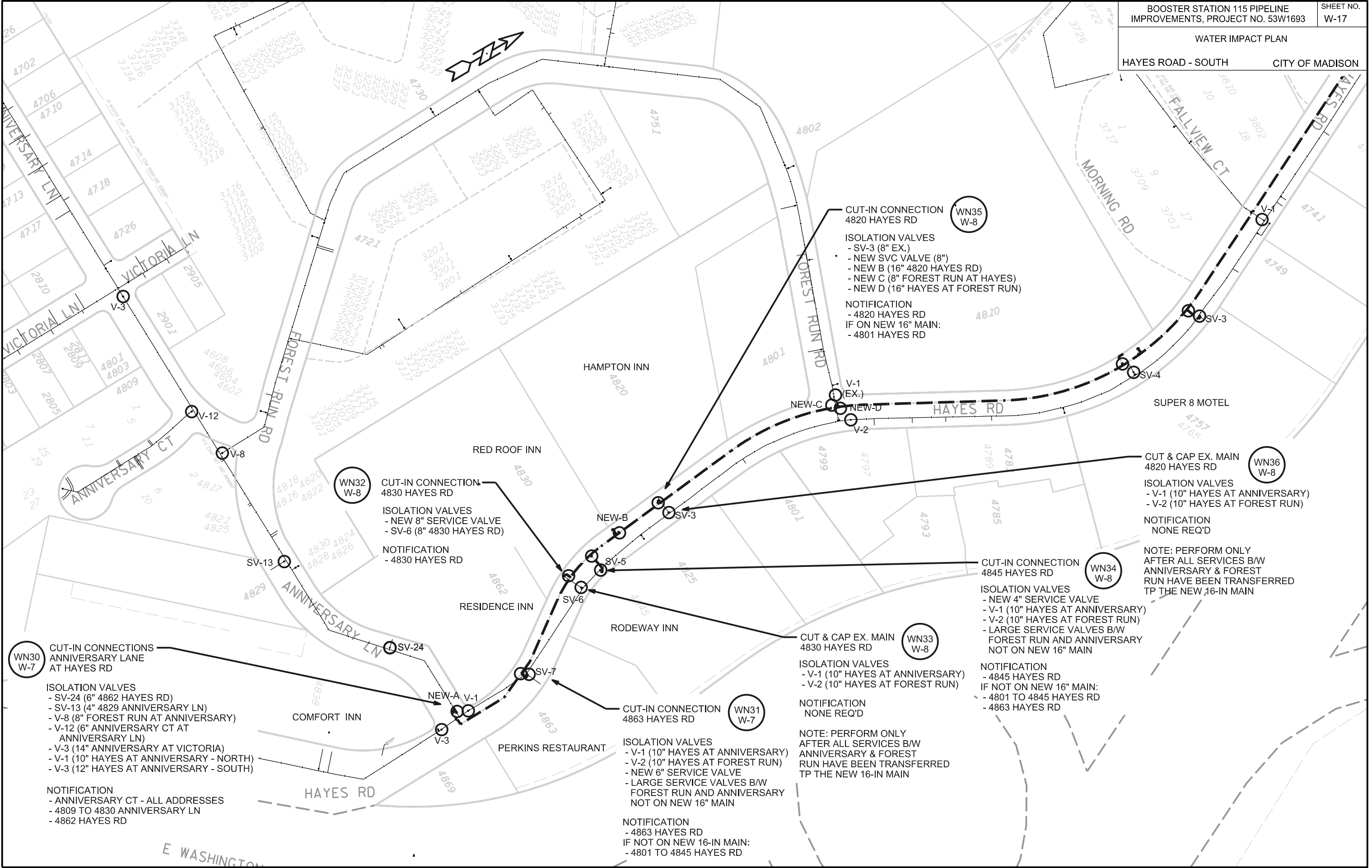
NOTIFICATION
 - 4502 TO 4721 DECLARATION
 - WATER UTILITY CONSTRUCTION SUPERVISOR JEFF BELSHAW (608) 206-3856
 - WATER UTILITY PROJECT MANAGER KELLY MIESS (608) 261-9640
 - BS115 CONTRACTOR

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WN30 W-7
 CUT-IN CONNECTIONS ANNIVERSARY LANE AT HAYES RD
 ISOLATION VALVES
 - SV-24 (6" 4862 HAYES RD)
 - SV-13 (4" 4829 ANNIVERSARY LN)
 - V-8 (8" FOREST RUN AT ANNIVERSARY)
 - V-12 (6" ANNIVERSARY CT AT ANNIVERSARY LN)
 - V-3 (14" ANNIVERSARY AT VICTORIA)
 - V-1 (10" HAYES AT ANNIVERSARY - NORTH)
 - V-3 (12" HAYES AT ANNIVERSARY - SOUTH)
 NOTIFICATION
 - ANNIVERSARY CT - ALL ADDRESSES
 - 4809 TO 4830 ANNIVERSARY LN
 - 4862 HAYES RD

WN32 W-8
 CUT-IN CONNECTION 4830 HAYES RD
 ISOLATION VALVES
 - NEW 8" SERVICE VALVE
 - SV-6 (8" 4830 HAYES RD)
 NOTIFICATION
 - 4830 HAYES RD

WN31 W-7
 CUT-IN CONNECTION 4863 HAYES RD
 ISOLATION VALVES
 - V-1 (10" HAYES AT ANNIVERSARY)
 - V-2 (10" HAYES AT FOREST RUN)
 - NEW 6" SERVICE VALVE
 - LARGE SERVICE VALVES B/W FOREST RUN AND ANNIVERSARY NOT ON NEW 16" MAIN
 NOTIFICATION
 - 4863 HAYES RD
 IF NOT ON NEW 16-IN MAIN:
 - 4801 TO 4845 HAYES RD

WN33 W-8
 CUT & CAP EX. MAIN 4830 HAYES RD
 ISOLATION VALVES
 - V-1 (10" HAYES AT ANNIVERSARY)
 - V-2 (10" HAYES AT FOREST RUN)
 NOTIFICATION
 NONE REQ'D

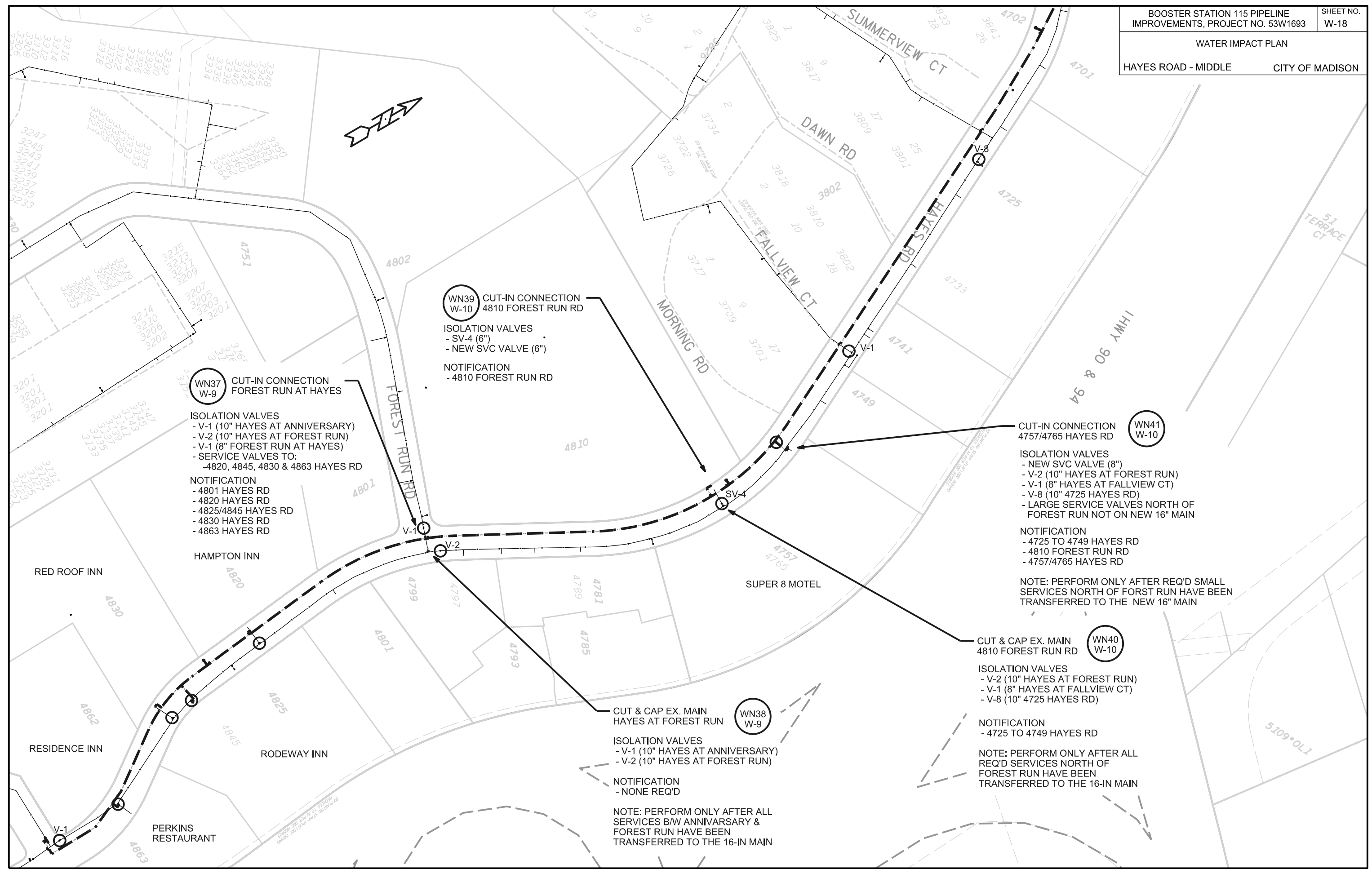
WN34 W-8
 CUT-IN CONNECTION 4845 HAYES RD
 ISOLATION VALVES
 - NEW 4" SERVICE VALVE
 - V-1 (10" HAYES AT ANNIVERSARY)
 - V-2 (10" HAYES AT FOREST RUN)
 - LARGE SERVICE VALVES B/W FOREST RUN AND ANNIVERSARY NOT ON NEW 16" MAIN
 NOTIFICATION
 - 4845 HAYES RD
 IF NOT ON NEW 16" MAIN:
 - 4801 TO 4845 HAYES RD
 - 4863 HAYES RD

WN36 W-8
 CUT & CAP EX. MAIN 4820 HAYES RD
 ISOLATION VALVES
 - V-1 (10" HAYES AT ANNIVERSARY)
 - V-2 (10" HAYES AT FOREST RUN)
 NOTIFICATION
 NONE REQ'D

WN35 W-8
 CUT-IN CONNECTION 4820 HAYES RD
 ISOLATION VALVES
 - SV-3 (8" EX.)
 - NEW SVC VALVE (8")
 - NEW B (16" 4820 HAYES RD)
 - NEW C (8" FOREST RUN AT HAYES)
 - NEW D (16" HAYES AT FOREST RUN)
 NOTIFICATION
 - 4820 HAYES RD
 IF ON NEW 16" MAIN:
 - 4801 HAYES RD

NOTE: PERFORM ONLY AFTER ALL SERVICES B/W ANNIVERSARY & FOREST RUN HAVE BEEN TRANSFERRED TP THE NEW 16-IN MAIN

NOTE: PERFORM ONLY AFTER ALL SERVICES B/W ANNIVERSARY & FOREST RUN HAVE BEEN TRANSFERRED TP THE NEW 16-IN MAIN



WN37 W-9 CUT-IN CONNECTION FOREST RUN AT HAYES

ISOLATION VALVES
 - V-1 (10" HAYES AT ANNIVERSARY)
 - V-2 (10" HAYES AT FOREST RUN)
 - V-1 (8" FOREST RUN AT HAYES)
 - SERVICE VALVES TO:
 - 4820, 4845, 4830 & 4863 HAYES RD

NOTIFICATION
 - 4801 HAYES RD
 - 4820 HAYES RD
 - 4825/4845 HAYES RD
 - 4830 HAYES RD
 - 4863 HAYES RD

WN39 W-10 CUT-IN CONNECTION 4810 FOREST RUN RD

ISOLATION VALVES
 - SV-4 (6")
 - NEW SVC VALVE (6")

NOTIFICATION
 - 4810 FOREST RUN RD

WN41 W-10 CUT-IN CONNECTION 4757/4765 HAYES RD

ISOLATION VALVES
 - NEW SVC VALVE (8")
 - V-2 (10" HAYES AT FOREST RUN)
 - V-1 (8" HAYES AT FALLVIEW CT)
 - V-8 (10" 4725 HAYES RD)
 - LARGE SERVICE VALVES NORTH OF FOREST RUN NOT ON NEW 16" MAIN

NOTIFICATION
 - 4725 TO 4749 HAYES RD
 - 4810 FOREST RUN RD
 - 4757/4765 HAYES RD

WN40 W-10 CUT & CAP EX. MAIN 4810 FOREST RUN RD

ISOLATION VALVES
 - V-2 (10" HAYES AT FOREST RUN)
 - V-1 (8" HAYES AT FALLVIEW CT)
 - V-8 (10" 4725 HAYES RD)

NOTIFICATION
 - 4725 TO 4749 HAYES RD

WN38 W-9 CUT & CAP EX. MAIN HAYES AT FOREST RUN

ISOLATION VALVES
 - V-1 (10" HAYES AT ANNIVERSARY)
 - V-2 (10" HAYES AT FOREST RUN)

NOTIFICATION
 - NONE REQ'D

NOTE: PERFORM ONLY AFTER ALL SERVICES B/W ANNIVERSARY & FOREST RUN HAVE BEEN TRANSFERRED TO THE 16-IN MAIN

NOTE: PERFORM ONLY AFTER REQ'D SMALL SERVICES NORTH OF FORST RUN HAVE BEEN TRANSFERRED TO THE NEW 16" MAIN

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

WN42
W-14

CUT-IN CONNECTION
EASEMENT NORTH
OF HAYES RD

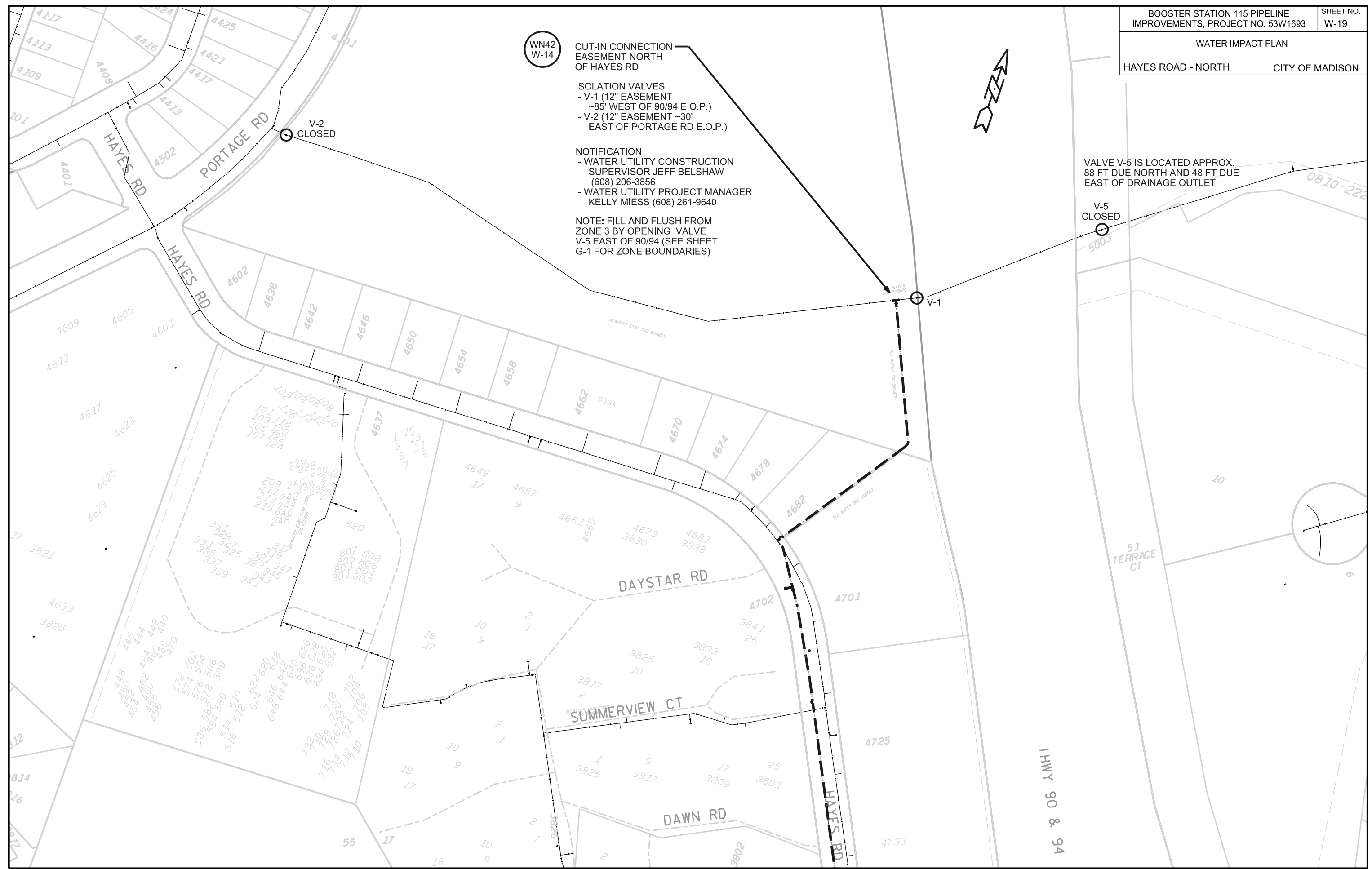
ISOLATION VALVES
 - V-1 (12" EASEMENT
 ~85' WEST OF 90/94 E.O.P.)
 - V-2 (12" EASEMENT ~30'
 EAST OF PORTAGE RD E.O.P.)

NOTIFICATION
 - WATER UTILITY CONSTRUCTION
 SUPERVISOR JEFF BELSHAW
 (608) 206-3856
 - WATER UTILITY PROJECT MANAGER
 KELLY MIESS (608) 261-9640

NOTE: FILL AND FLUSH FROM
 ZONE 3 BY OPENING VALVE
 V-5 EAST OF 90/94 (SEE SHEET
 G-1 FOR ZONE BOUNDARIES)



VALVE V-5 IS LOCATED APPROX.
 88 FT DUE NORTH AND 48 FT DUE
 EAST OF DRAINAGE OUTLET



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.*
- | | |
|---------------------------|------------------------------------|
| 45 FT - 4-IN PIPE | 2 - 4-IN 90° BEND |
| 160-FT - 6-IN PIPE | 4 - 6-IN 90° BEND |
| 70-FT - 8-IN PIPE | 6 - 8-IN 90° BEND |
| 1000-FT - 12-IN PIPE | 3 - 16-IN 90° BEND |
| 4800-FT - 16-IN PIPE | |
| 1 - 4-IN VALVE & BOX | 4 - 16-IN 45° BEND |
| 8 - 6-IN VALVE & BOX | 8 - 16-IN 22.5° BEND |
| 4 - 8-IN VALVE & BOX | 2 - 16-IN 11.25° BEND |
| 9 - 12-IN VALVE & BOX | 1 - 3-IN MJ PLUG |
| 9 - 16-IN VALVE & BOX | 2 - 6-IN MJ PLUG |
| | 4 - 8-IN MJ PLUG |
| | 1 - 12-IN MJ PLUG |
| | 4 - 16-IN MJ PLUG |
| 2 - 12-IN X 6-IN TEE | 6 - 5-IN HYDRANT |
| 4 - 12-IN X 12-IN TEE | 160-FT - 2-IN STYROFOAM INSULATION |
| 1 - 16-IN X 4-IN TEE | 7000-FT - POLYWRAP |
| 6 - 16-IN X 6-IN TEE | 1-IN & 1.5-IN COPPER (AS R'QD) |
| 4 - 16-IN X 8-IN TEE | |
| 1 - 16-IN X 12-IN TEE | |
| 3 - 16-IN X 16-IN TEE | |
| 3 - 16-IN X 12-IN OFFSET | |
| 1 - 16-IN X 18-IN OFFSET | |
| 1 - 4-IN X 3-IN REDUCER | |
| 2 - 16-IN X 12-IN REDUCER | |

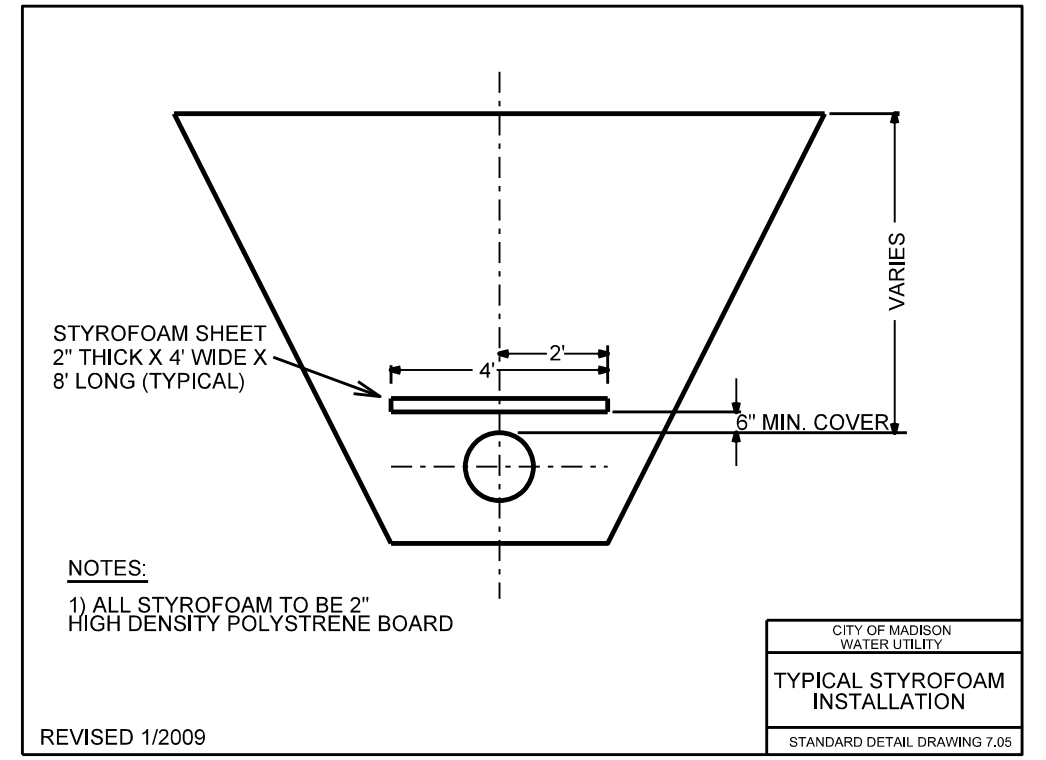
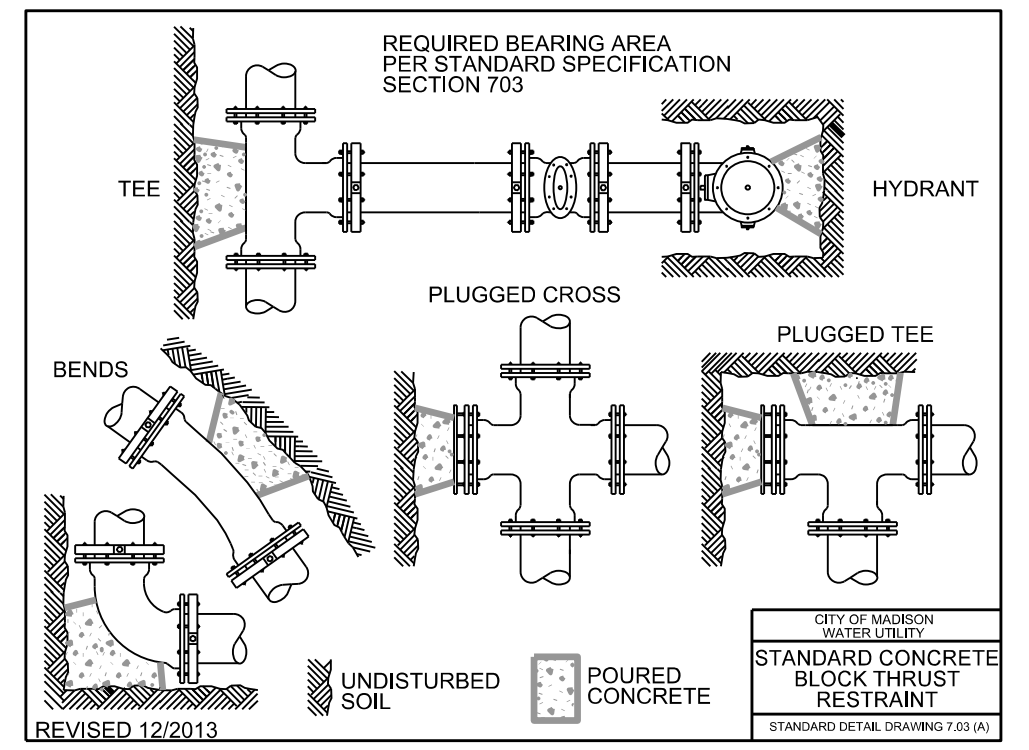
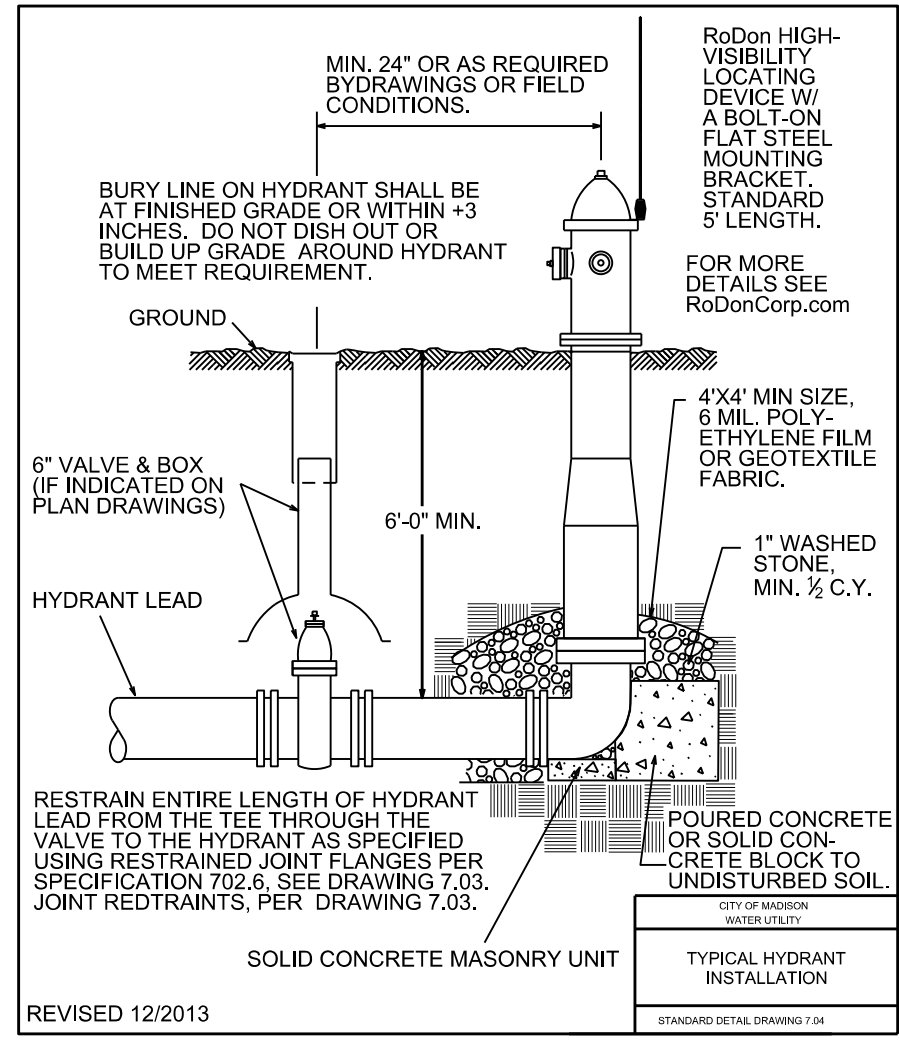
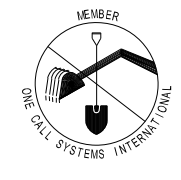
MATERIALS SUPPLIED BY CITY:

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.



NOTES:
 1) ALL STYROFOAM TO BE 2" HIGH DENSITY POLYSTYRENE BOARD

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

INDEPENDENCE RESTORATION:
 - APPROX. 1350 FT UTILITY TRENCH PATCH TYPE III (WATER)
 - APPROX. 825 FT UTILITY TRENCH PATCH TYPE III (STORM)
 - RESTORE SIDEWALK, DRIVEWAYS AND CURB & GUTTER AS NOTED
 - MILL & OVERLAY NOT REQ'D ON INDEPENDENCE

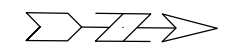
APPROX. 40 FT CURB & GUTTER AT (2) INLETS

APPROX. 15 FT CURB & GUTTER AT HYDRANT

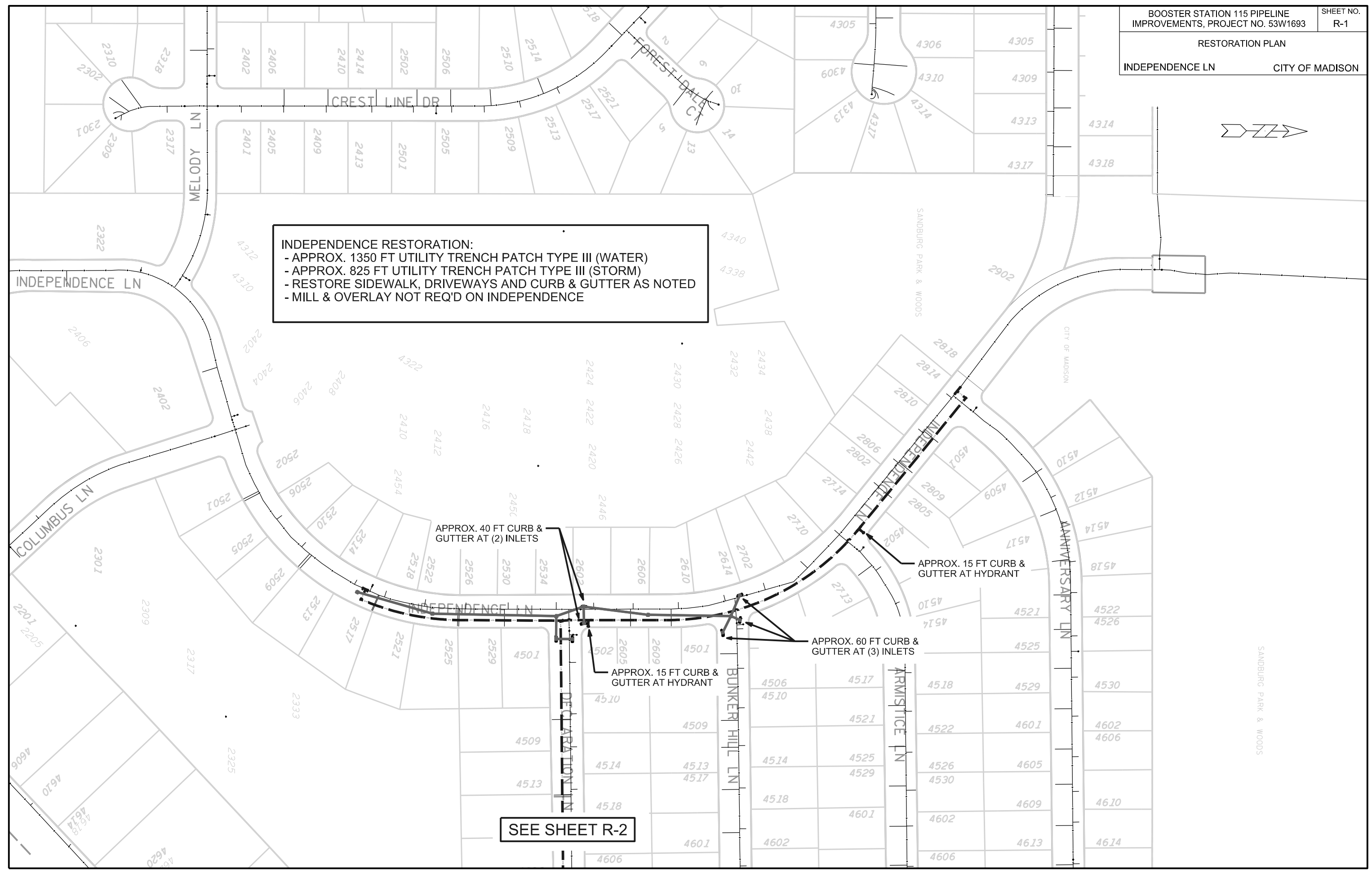
APPROX. 60 FT CURB & GUTTER AT (3) INLETS

APPROX. 15 FT CURB & GUTTER AT HYDRANT

SEE SHEET R-2



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



DECLARATION & BUNKER HILL RESTORATION:

- APPROX. 1100 FT UTILITY TRENCH PATCH TYPE III (WATER)
- APPROX. 75 FT UTILITY TRENCH PATCH TYPE III (STORM)
- RESTORE SIDEWALK, DRIVEWAYS AND CURB & GUTTER AS NOTED
- MILL & OVERLAY PER CITY OF MADISON PATCHING CRITERIA
- DECLARATION: 32 FT WIDE; PAVEMENT RATING=7
- BUNKER HILL: 32 FT WIDE, PAVEMENT RATING =7

SEE SHEET R-1

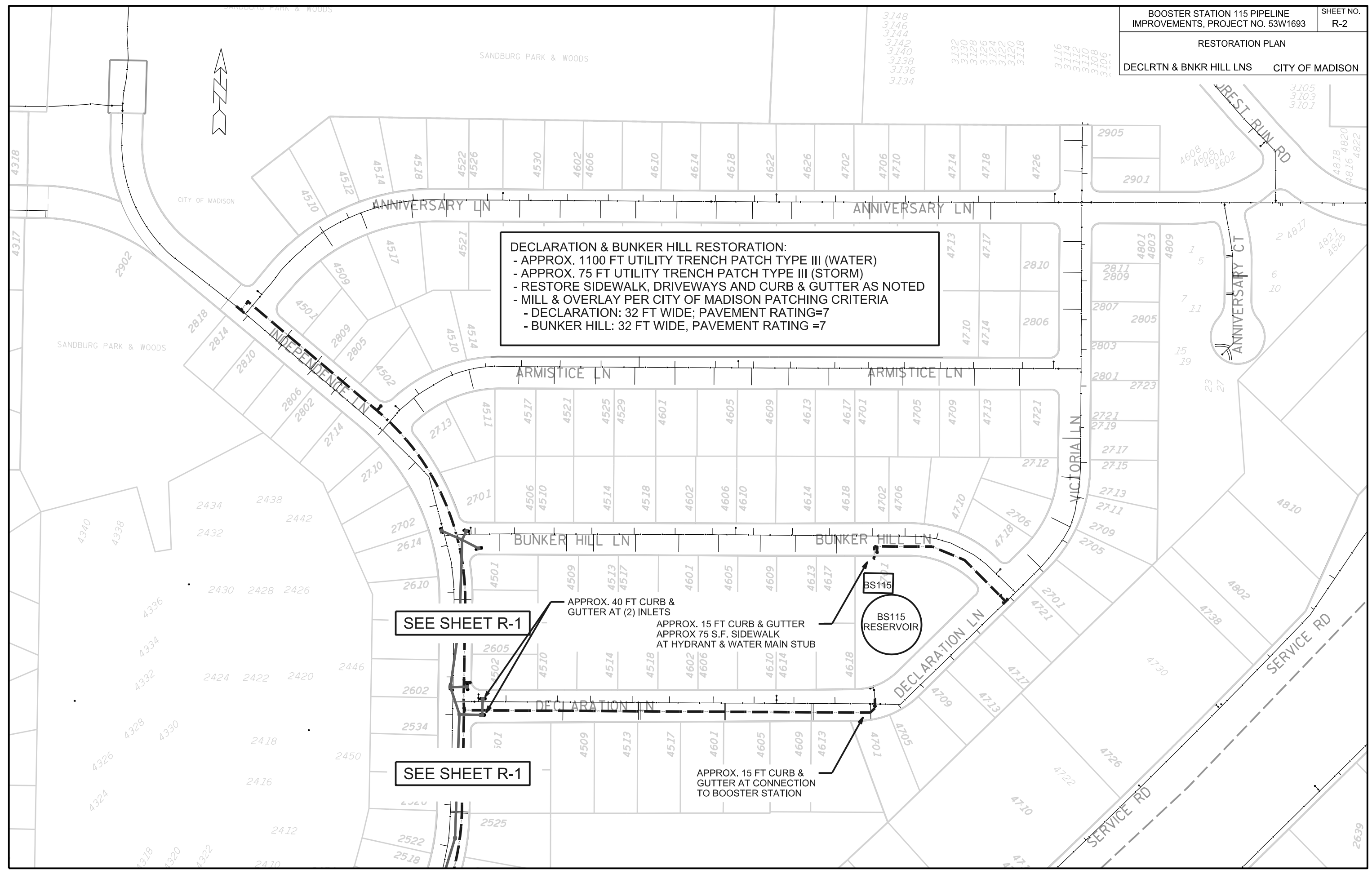
SEE SHEET R-1

APPROX. 40 FT CURB &
GUTTER AT (2) INLETS

APPROX. 15 FT CURB & GUTTER
APPROX 75 S.F. SIDEWALK
AT HYDRANT & WATER MAIN STUB

BS115
RESERVOIR

APPROX. 15 FT CURB &
GUTTER AT CONNECTION
TO BOOSTER STATION

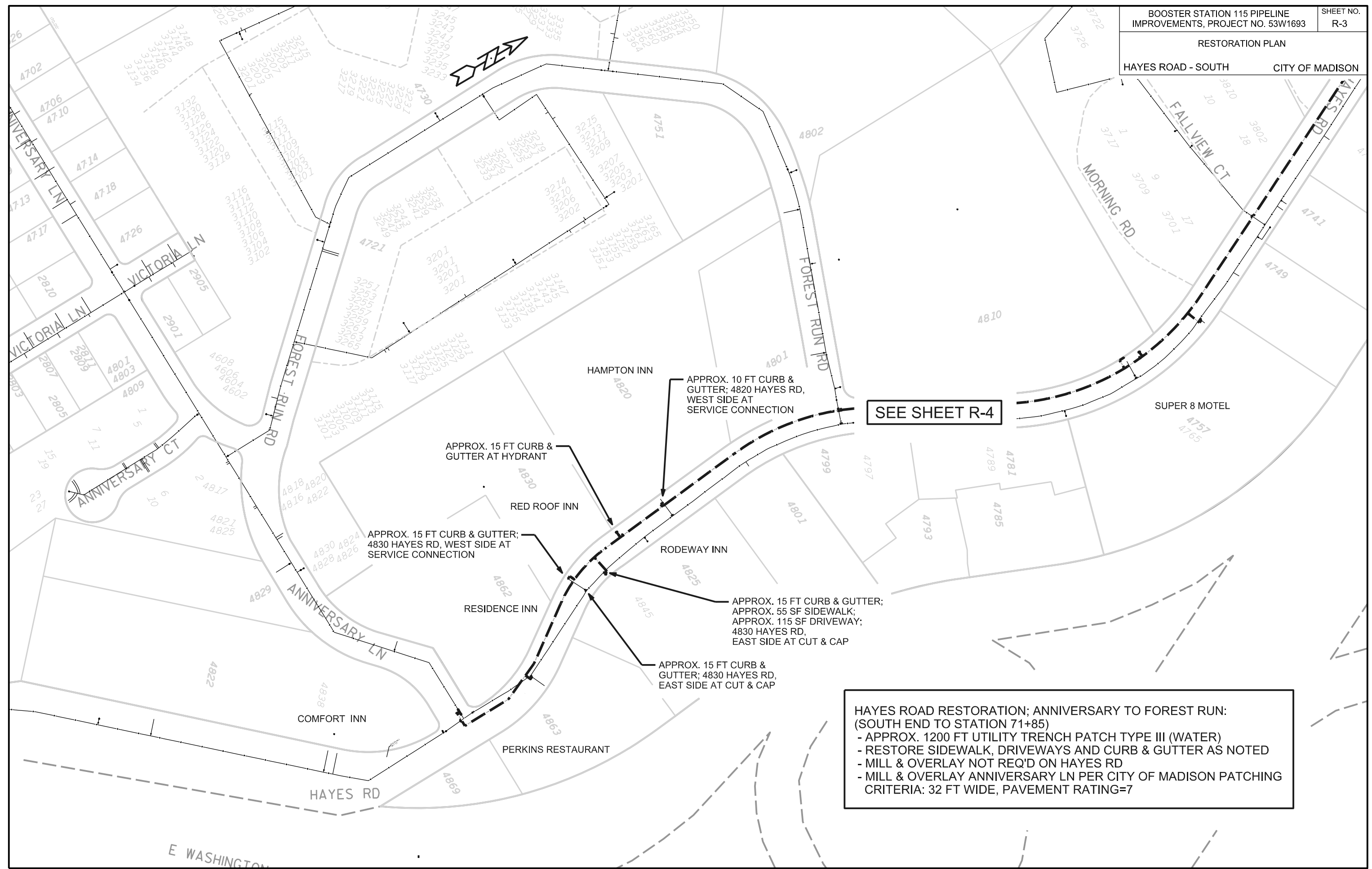


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SEE SHEET R-4

APPROX. 10 FT CURB & GUTTER; 4820 HAYES RD, WEST SIDE AT SERVICE CONNECTION

APPROX. 15 FT CURB & GUTTER AT HYDRANT

RED ROOF INN

APPROX. 15 FT CURB & GUTTER; 4830 HAYES RD, WEST SIDE AT SERVICE CONNECTION

RODEWAY INN

APPROX. 15 FT CURB & GUTTER; APPROX. 55 SF SIDEWALK; APPROX. 115 SF DRIVEWAY; 4830 HAYES RD, EAST SIDE AT CUT & CAP

RESIDENCE INN

APPROX. 15 FT CURB & GUTTER; 4830 HAYES RD, EAST SIDE AT CUT & CAP

COMFORT INN

PERKINS RESTAURANT

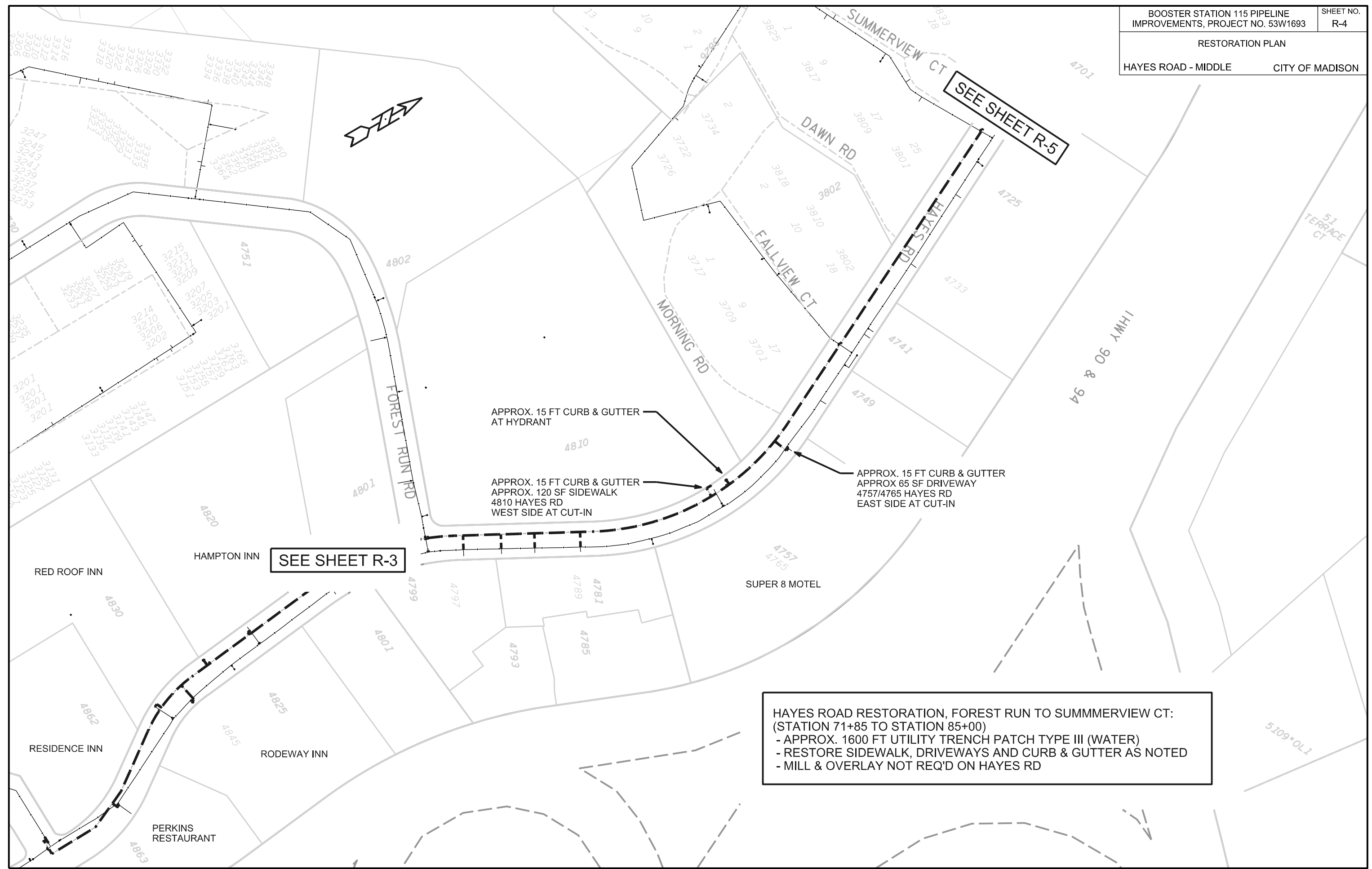
HAYES ROAD RESTORATION; ANNIVERSARY TO FOREST RUN: (SOUTH END TO STATION 71+85)
 - APPROX. 1200 FT UTILITY TRENCH PATCH TYPE III (WATER)
 - RESTORE SIDEWALK, DRIVEWAYS AND CURB & GUTTER AS NOTED
 - MILL & OVERLAY NOT REQ'D ON HAYES RD
 - MILL & OVERLAY ANNIVERSARY LN PER CITY OF MADISON PATCHING CRITERIA: 32 FT WIDE, PAVEMENT RATING=7

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



APPROX. 15 FT CURB & GUTTER AT HYDRANT

APPROX. 15 FT CURB & GUTTER APPROX. 120 SF SIDEWALK 4810 HAYES RD WEST SIDE AT CUT-IN

APPROX. 15 FT CURB & GUTTER APPROX 65 SF DRIVEWAY 4757/4765 HAYES RD EAST SIDE AT CUT-IN

SEE SHEET R-3

SEE SHEET R-5

HAYES ROAD RESTORATION, FOREST RUN TO SUMMMERVEW CT:
 (STATION 71+85 TO STATION 85+00)
 - APPROX. 1600 FT UTILITY TRENCH PATCH TYPE III (WATER)
 - RESTORE SIDEWALK, DRIVEWAYS AND CURB & GUTTER AS NOTED
 - MILL & OVERLAY NOT REQ'D ON HAYES RD

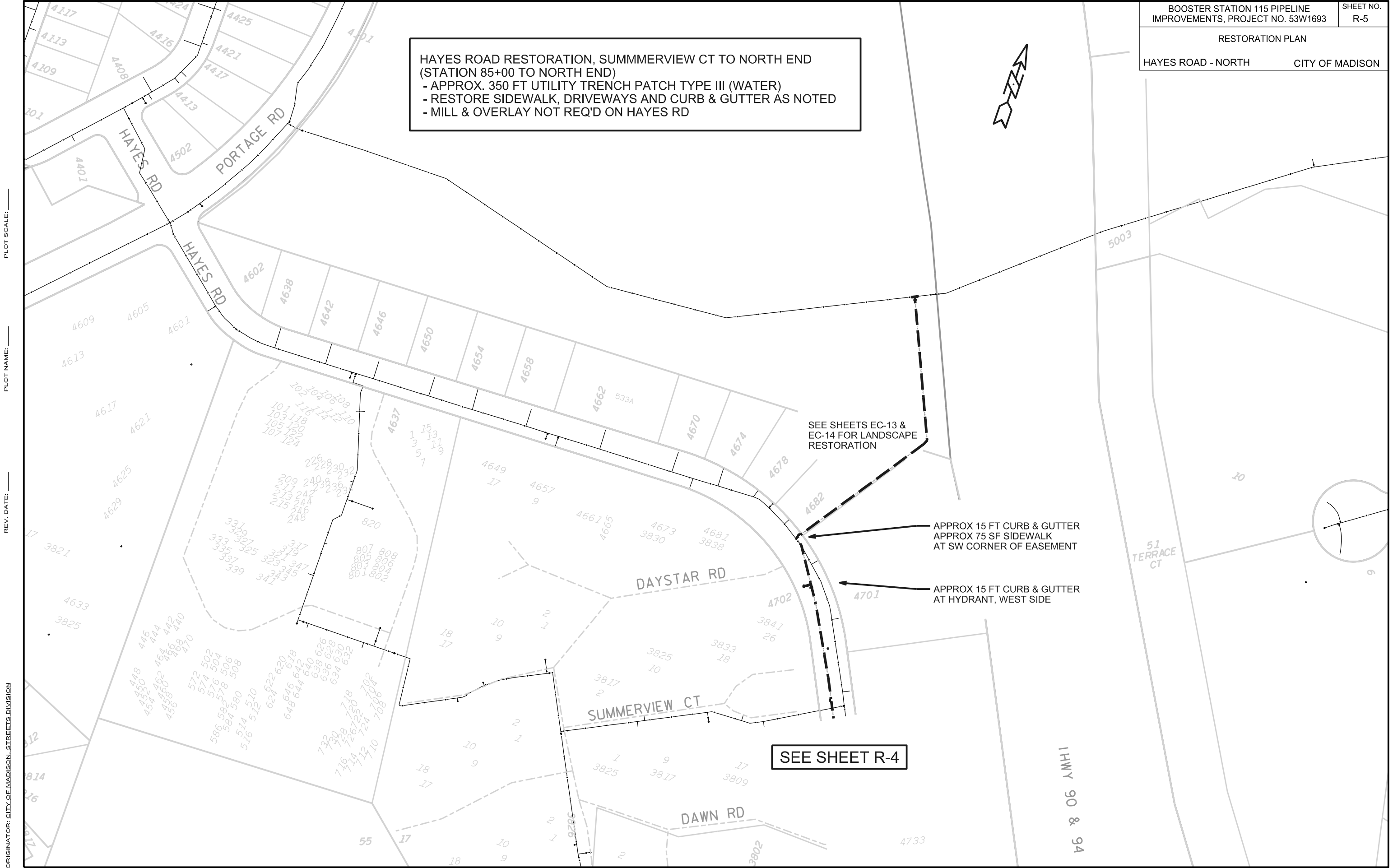
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

HAYES ROAD RESTORATION, SUMMerview CT TO NORTH END (STATION 85+00 TO NORTH END)
- APPROX. 350 FT UTILITY TRENCH PATCH TYPE III (WATER)
- RESTORE SIDEWALK, DRIVEWAYS AND CURB & GUTTER AS NOTED
- MILL & OVERLAY NOT REQ'D ON HAYES RD



SEE SHEETS EC-13 & EC-14 FOR LANDSCAPE RESTORATION

APPROX 15 FT CURB & GUTTER
APPROX 75 SF SIDEWALK
AT SW CORNER OF EASEMENT

APPROX 15 FT CURB & GUTTER
AT HYDRANT, WEST SIDE

SEE SHEET R-4

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION