CITY OF MADISON

CITY ENGINEERING DIVISION
DEPARTMENT OF PUBLIC WORKS
PLAN OF PROPOSED IMPROVEMENT

Madison, Wisconsin

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 20, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

City Engineer — Date 7/31/18

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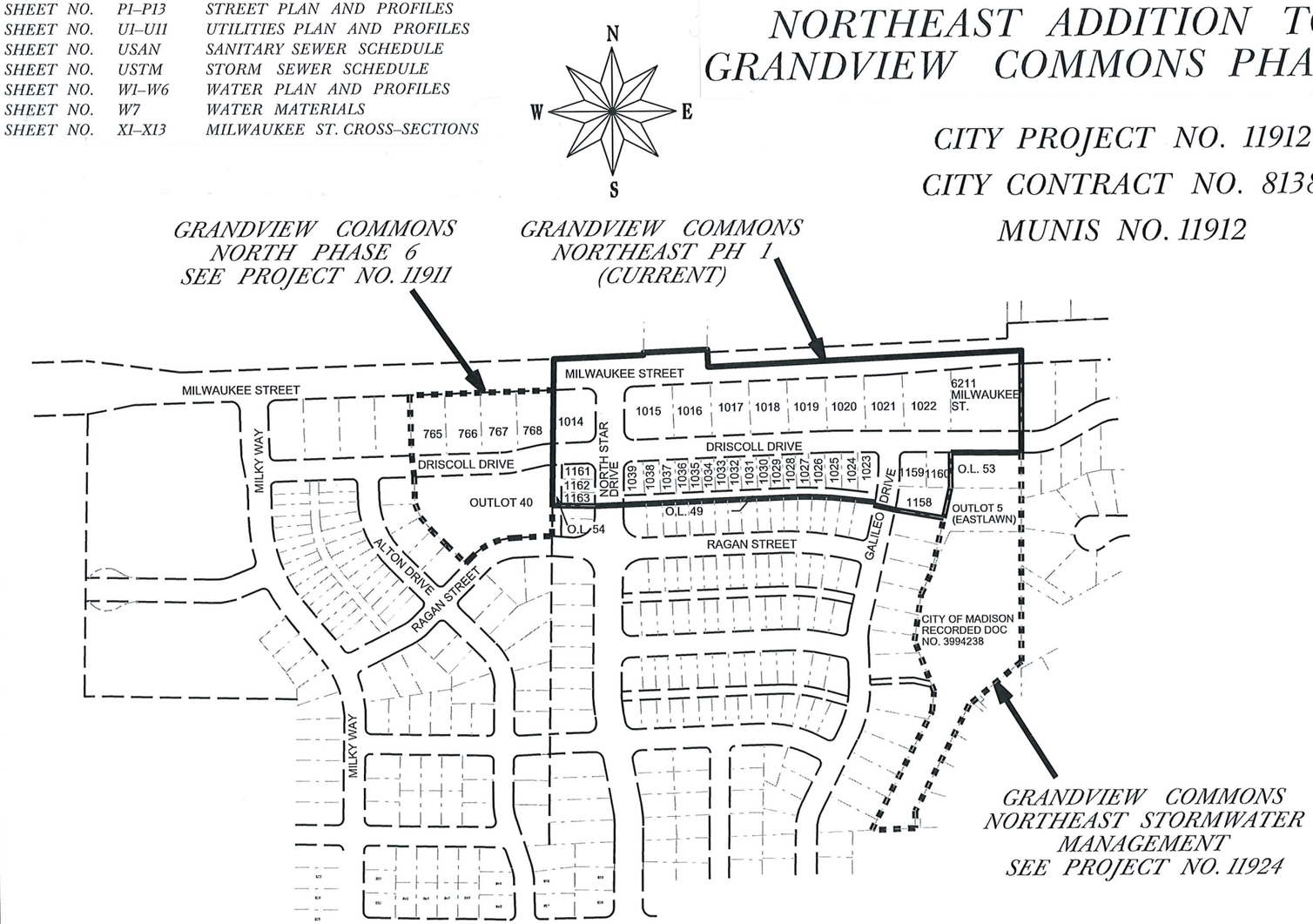
NORTHEAST ADDITION TO GRANDVIEW COMMONS PHASE 1

CITY PROJECT NO. 11912

CITY CONTRACT NO. 8138

MUNIS NO. 11912



STREET GEOMETRY & PAVEMENT MARKINGS DESIGNED BY:

WISCONSIN — MARK S. WINTER E-39453 MADISON WI — PROFESSIONAL ENGINEER — 7/12/18

STREET GRADES DESIGNED BY:

WISCONSIN — 7-12-18 JOHN P. SAPP 44054 Janesville, WI — PROFESSIONAL ENGINEER

WATER DESIGNED BY:

WISCONSIN — KELLY B. MIESS E-41821 MADISON WI — PROFESSIONAL ENGINEER — 7-11-18

SANITARY SEWER DESIGNED BY:

WISCONSIN — MARK D. MOKER E-38979 MADISON WI — PROFESSIONAL ENGINEER — 7/24/18

ELECTRICAL DESIGNED BY:

WISCONSIN — BRIAN J. SMITH E-37284 MADISON WI — PROFESSIONAL ENGINEER — 7-12-18

STORM SEWER DESIGNED BY:

WISCONSIN — JANET SCHMIDT E-34681 MADISON WI — PROFESSIONAL ENGINEER — 7-27-18

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

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-TitleSht.dgn

DATE: 7/10/2018

GRANDVIEW COMMONS NE PHASE 1 PROJECT NO. 11912	SHEET NO. D-1
DETAIL STANDARD NOTES AND COMMENTS	CITY OF MADISON

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, REFERING 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

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	CAUTION

ALL PAVEMENT IN THE DRISCOLL DRIVE AND GALILEO DRIVE RIGHTS–OF–WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE NORTH STAR DRIVE RIGHT–OF–WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02.

ALL PAVEMENT IN THE MILWAUKEE STREET RIGHT–OF–WAY SHALL BE TYPE C 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 GRADES OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADES 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. 3.03. 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 4.00:1. 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 ALIGNMENT FROM THE CITY 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.

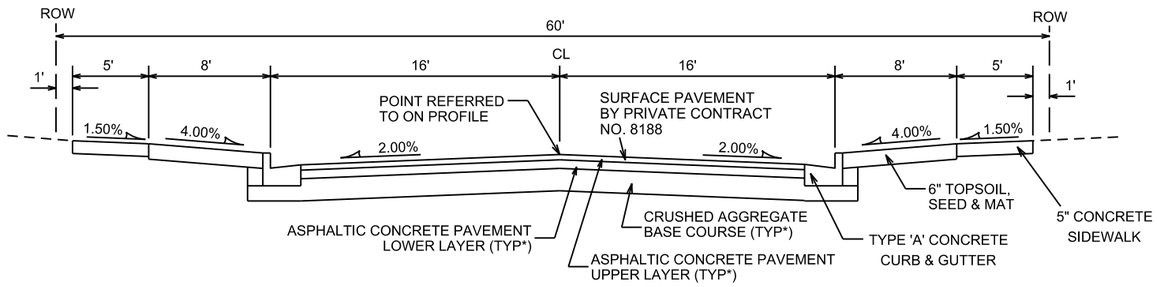
THE DEVELOPER SHALL PROVIDE, INSTALL AND MAINTAIN ALL STREET END BARRICADES, SIGNING AND TRAFFIC CONTROL, AS REQUIRED BY THE CITY TRAFFIC ENGINEER.

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

CURB ON CUL DE SACS SHALL BE INSTALLED ACCORDING TO SDD 3.05.

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

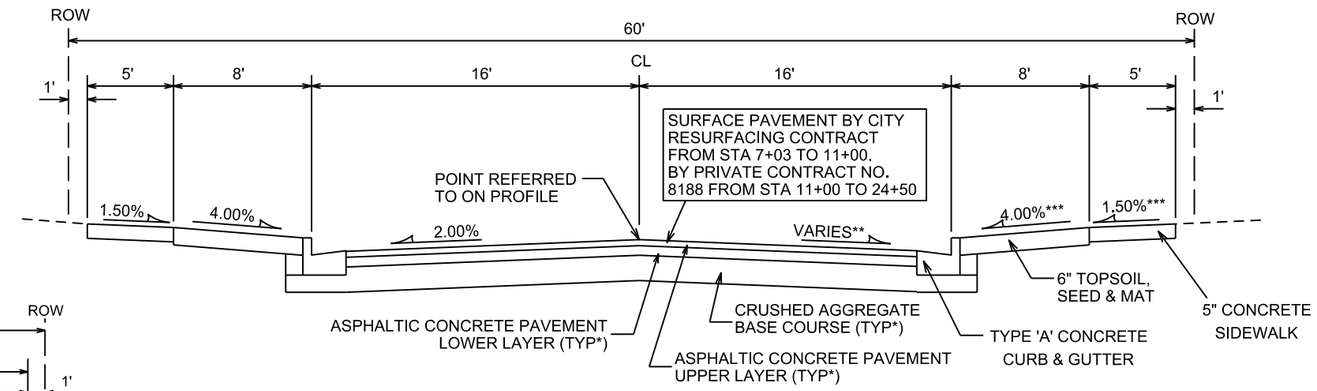
GRANDVIEW COMMONS NE PHASE 1 PROJECT NO. 11912	SHEET NO. D-2
DETAIL	
TYPICAL SECTION	CITY OF MADISON



TYPICAL SECTION

GALILEO DRIVE

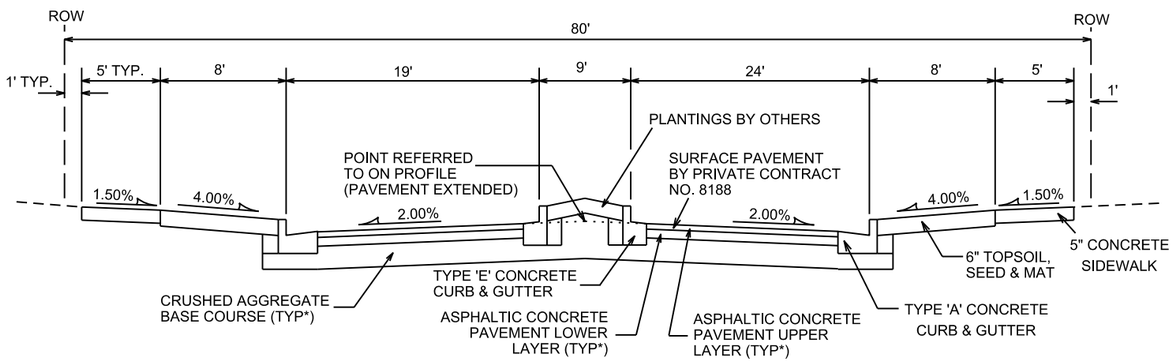
NOT TO SCALE



TYPICAL SECTION

DRISCOLL DRIVE

NOT TO SCALE

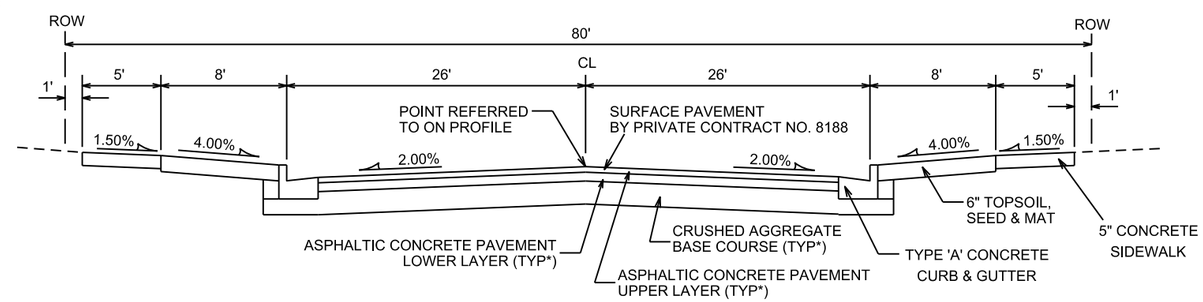


TYPICAL SECTION

NORTH STAR DRIVE

(STA 66+74 TO 67+32)

NOT TO SCALE



TYPICAL SECTION

NORTH STAR DRIVE

(STA 63+88 TO STA 66+74)

NOT TO SCALE

NOTES:

* DRISCOLL DRIVE AND GALILEO DRIVE SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †
NORTH STAR DRIVE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

** SUPERELEVATION FROM STA 12+84 TO STA 14+25 CROSS SLOPE TRANSITION SEE PLAN AND PROFILE FOR DETAILS

*** TERRACE & SIDEWALK CROSS SLOPE VARIES FROM STA 7+00 - 9+00 (WORK UNDER CONTRACT NUMBER 11911/ALSO SHOWN IN THIS PLAN SET)

† 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 HT 58-28 H	3.50"	4 MT 58-28 S/H 4 HT 58-28 H	2.00"

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PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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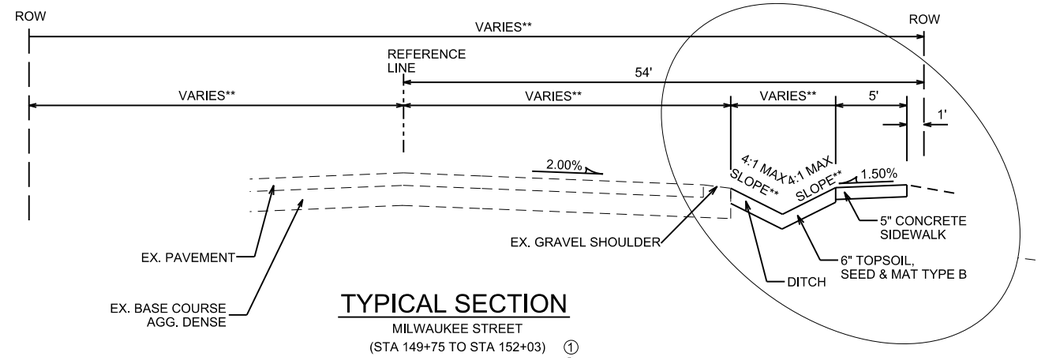
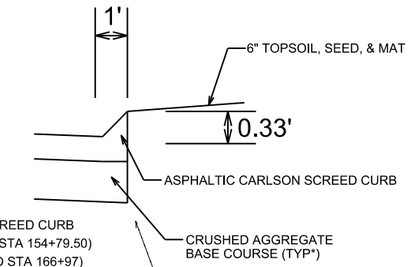
DATE: 7/27/2018

GRANDVIEW COMMONS NE PHASE 1 PROJECT NO. 11912	SHEET NO. D-3
DETAIL	
TYPICAL SECTION	CITY OF MADISON



TYPICAL SECTION

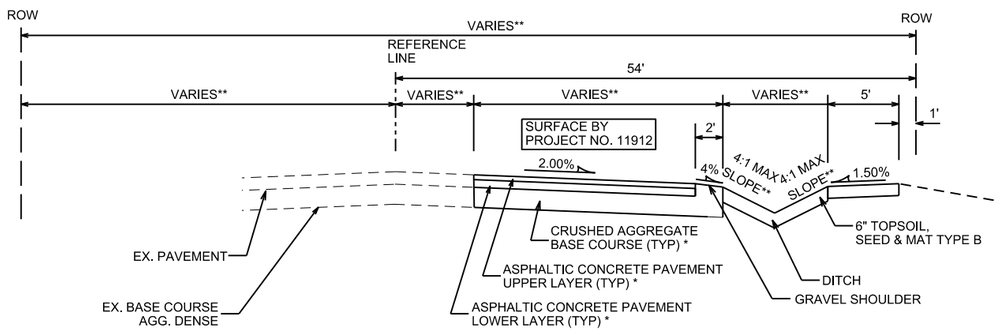
MILWAUKEE STREET
(STA 149+75 TO STA 152+03) ①
(STA 158+58 TO STA 166+95) ⑧
NOT TO SCALE



CARLSON SCREED CURB
(STA 154+14 TO STA 154+79.50)
(STA 166+50 TO STA 166+97)
NOT TO SCALE

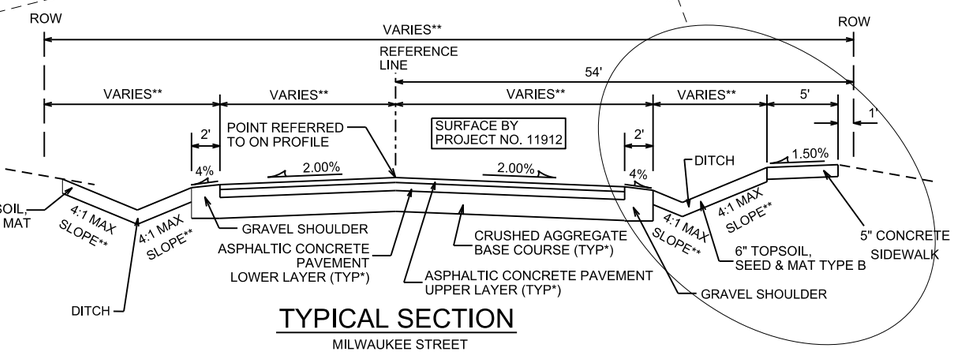
CARLSON FROM 166+50 TO 166+97

CARLSON FROM 154+14 TO 154+79.5



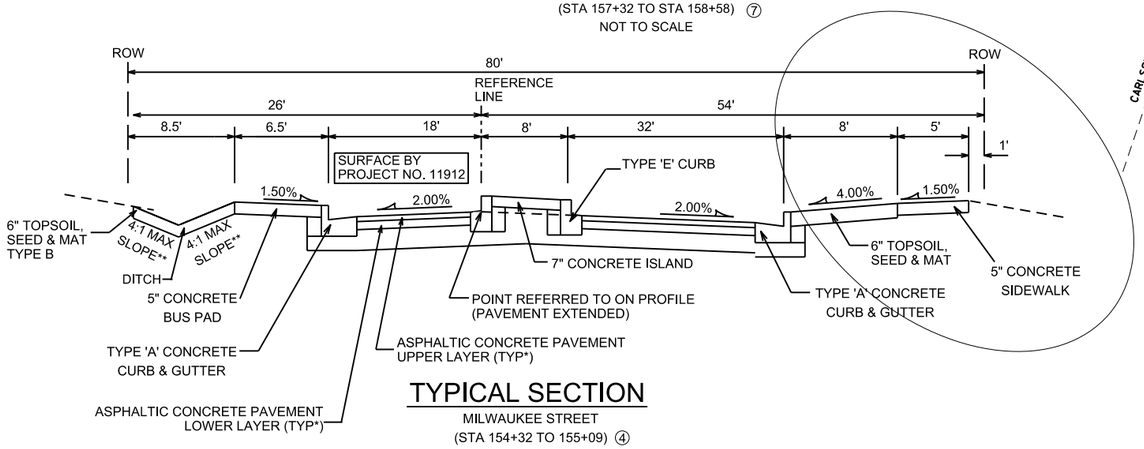
TYPICAL SECTION

MILWAUKEE STREET
(STA 152+03 TO STA 153+89) ②
(STA 157+32 TO STA 158+58) ⑦
NOT TO SCALE



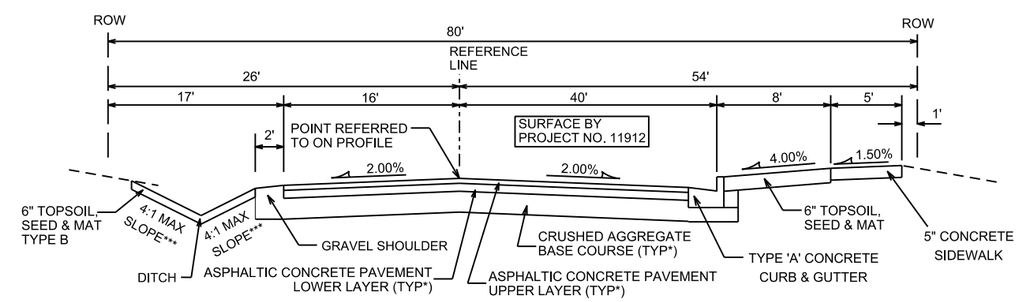
TYPICAL SECTION

MILWAUKEE STREET
(STA 153+89 TO STA 154+32) ③
(STA 156+68 TO STA 157+32) ⑥
NOT TO SCALE



TYPICAL SECTION

MILWAUKEE STREET
(STA 154+32 TO 155+09) ④
NOT TO SCALE



TYPICAL SECTION

MILWAUKEE STREET
(STA 155+09 TO STA 156+68) ⑤
NOT TO SCALE

NOTES:

* MILWAUKEE STREET SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN †

** SEE PLAN AND CROSS SECTIONS FOR DETAILS AND DIMENSIONS

ⓗ TYPICAL SECTIONS NUMBERED IN ORDER OF FIRST APPEARANCE (FROM WEST TO EAST) (SEE PLAN AND CROSS SECTIONS)

† 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 HT 58-28 H	3.50"	4 MT 58-28 S/H 4 HT 58-28 H	2.00"

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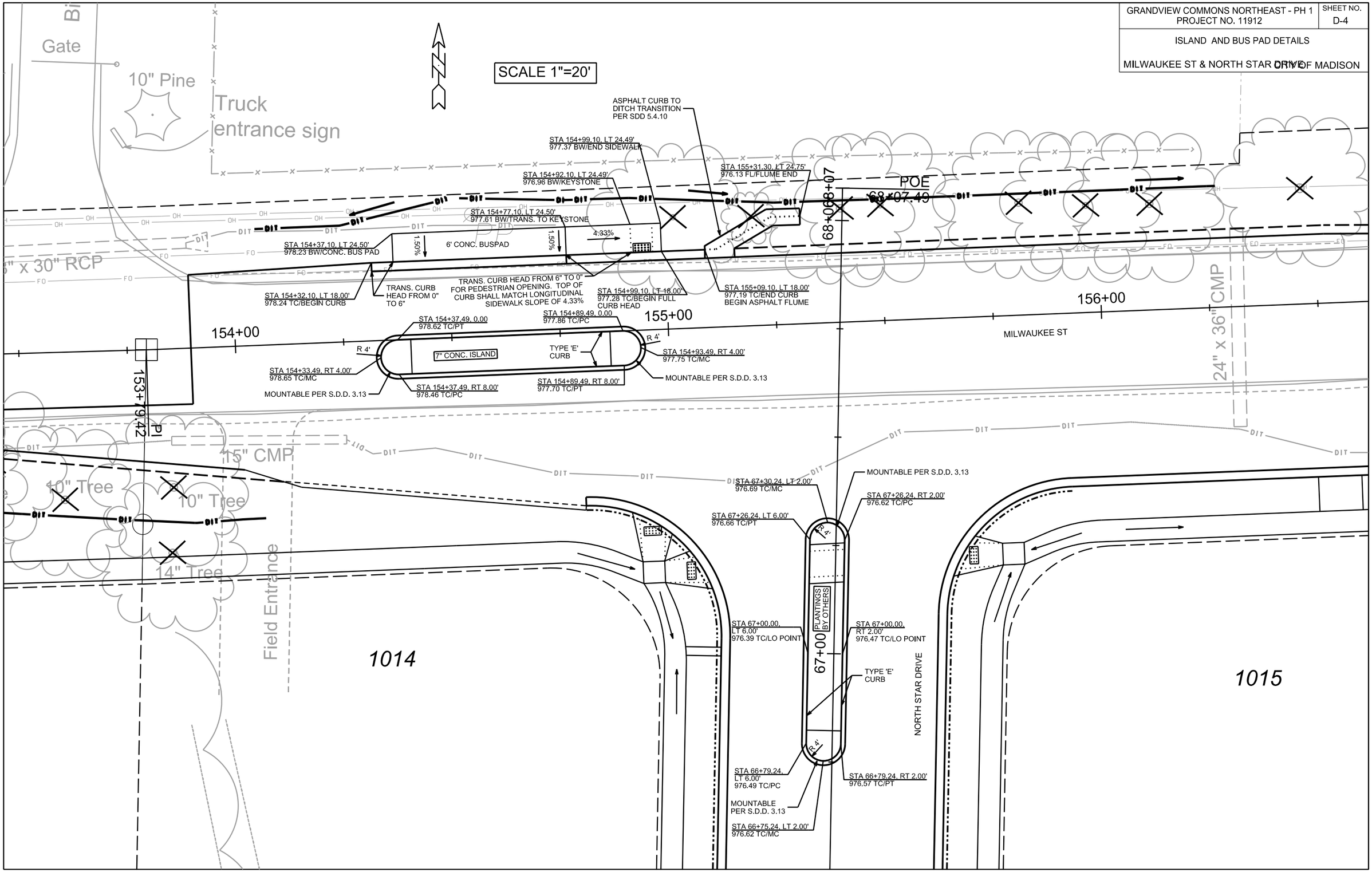
DATE: 7/27/2018

GRANDVIEW COMMONS NORTHEAST - PH 1 PROJECT NO. 11912	SHEET NO. D-4
ISLAND AND BUS PAD DETAILS	
MILWAUKEE ST & NORTH STAR DRIVE	CITY OF MADISON



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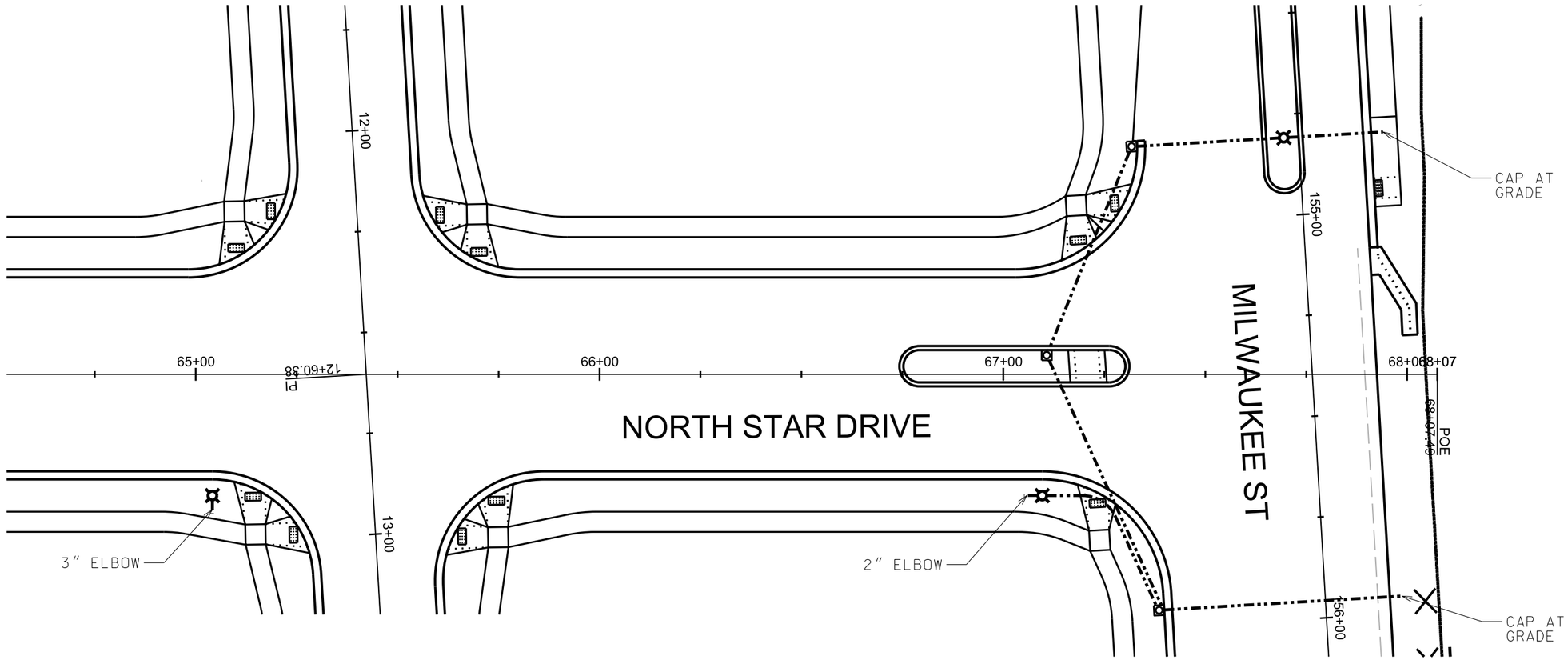
GRANDVIEW COMMONS NE PH I PROJECT NO. 11912	SHEET NO. E 1
ELECTRICAL DETAILS	
NORTH STAR-MILWAUKEE CITY OF MADISON	



GNERAL 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. BASES INSTALLED IN THE TERRACE SHALL BE 4' FROM FACE OF CURB.
3. THE CONTRACTOR SHALL DO ALL WORK IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION 2018 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.
4. THE CONTRACTOR SHALL CALL MIKE BENZSCHAWEL (266-9031) AT THE TRAFFIC ENGINEERING SHOP AT LEAST 24-HOURS IN ADVANCE OF POURING BASES OR BURYING CONDUIT TO ARRANGE FOR INSPECTION.
5. THE FOLLOWING CITY FURNISHED MATERIALS ARE TO BE PICKED UP AT THE TRAFFIC TRAFFIC OPERTION SHOP, 1120 SAYLE STREET. NOTIFY DENNIS ROWE AT 266-9034 TWENTY FOUR (24) HOURS PRIOR TO PICKING UP THE MATERIAL.

1" x 40" ANCHOR BOLTS:	3 SETS OF 4
TYPE I HANDHOLES:	3

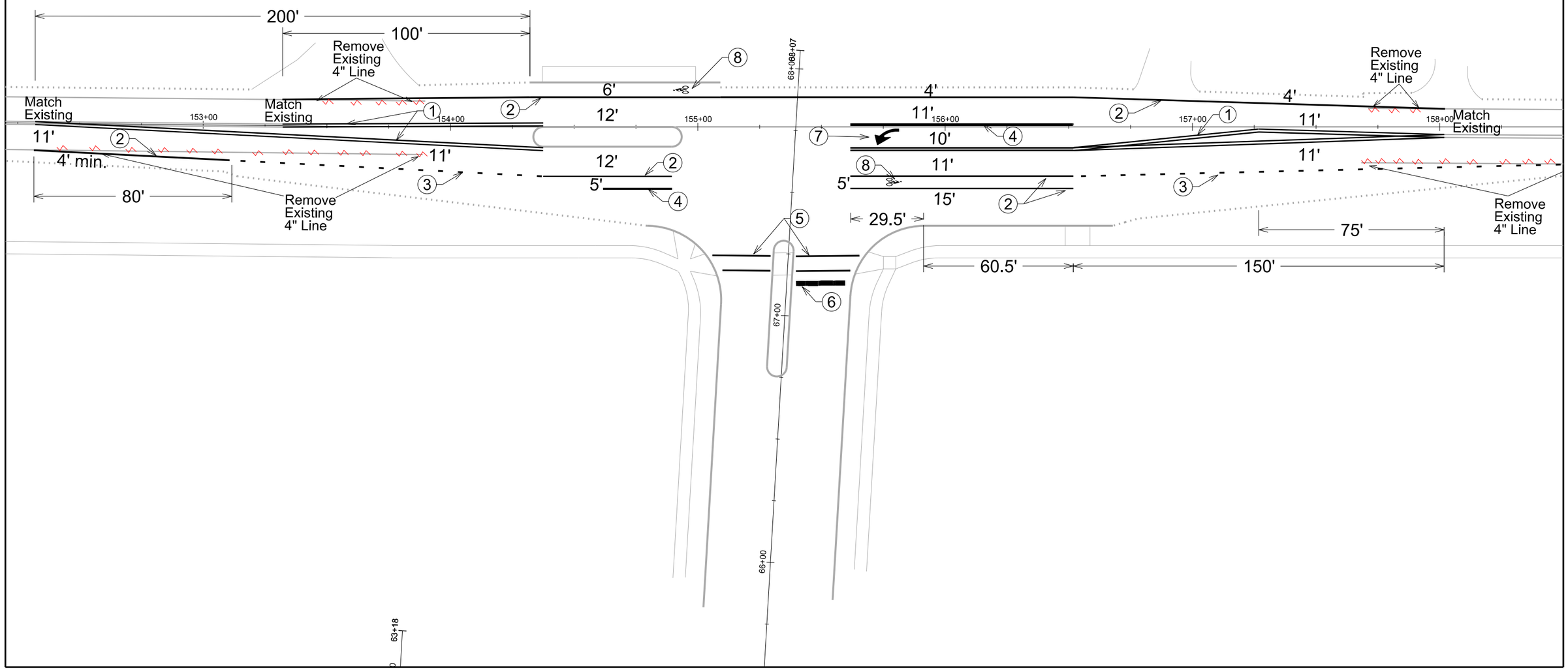
LEGEND

- INSTALL 3" PVC (UNLESS NOTED)
- INSTALL TYPE I HANDHOLE
- INSTALL LB-3 BASE

SCALE: 1" = 30'

GRANDVIEW COMMONS NORTH - PHASE 6 PROJECT NO. 11912	SHEET NO. M-1
PAVEMENT MARKIKNG PLAN	
MILWAUKEE ST	CITY OF MADISON

Pavement Marking Legend
(1) Line 4" Dbl Yellow
(2) Line 6" Solid White
(3) Line 6"- 2' Line x 6' Gap White
(4) Line 8" Solid White
(5) Crosswalk 6"
(6) Stop Line 24"
(7) Symbol Left Arrow
(8) Symbol Bike



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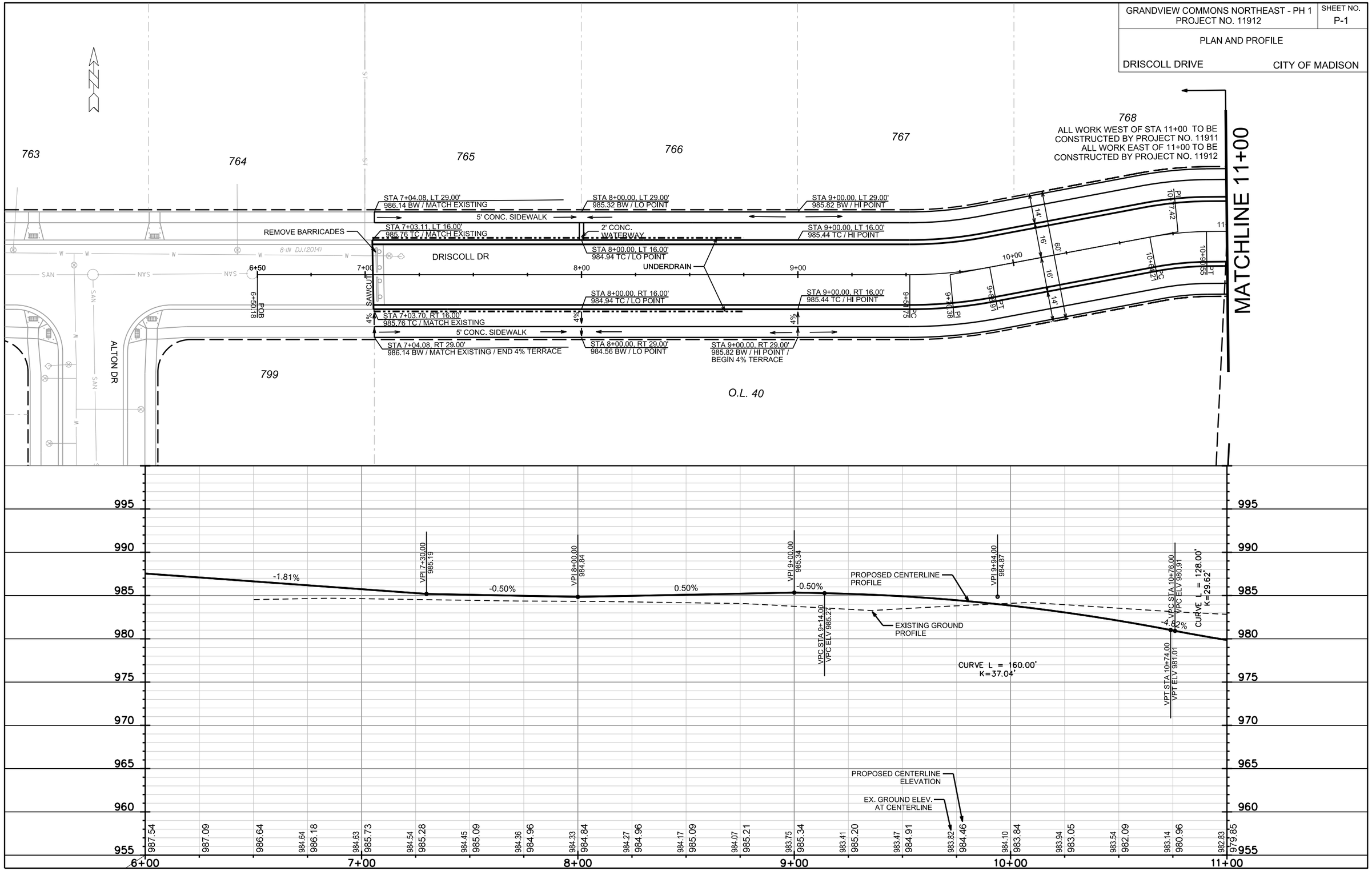
GRANDVIEW COMMONS NORTHEAST - PH 1 PROJECT NO. 11912	SHEET NO. P-1
PLAN AND PROFILE	
DRISCOLL DRIVE	CITY OF MADISON



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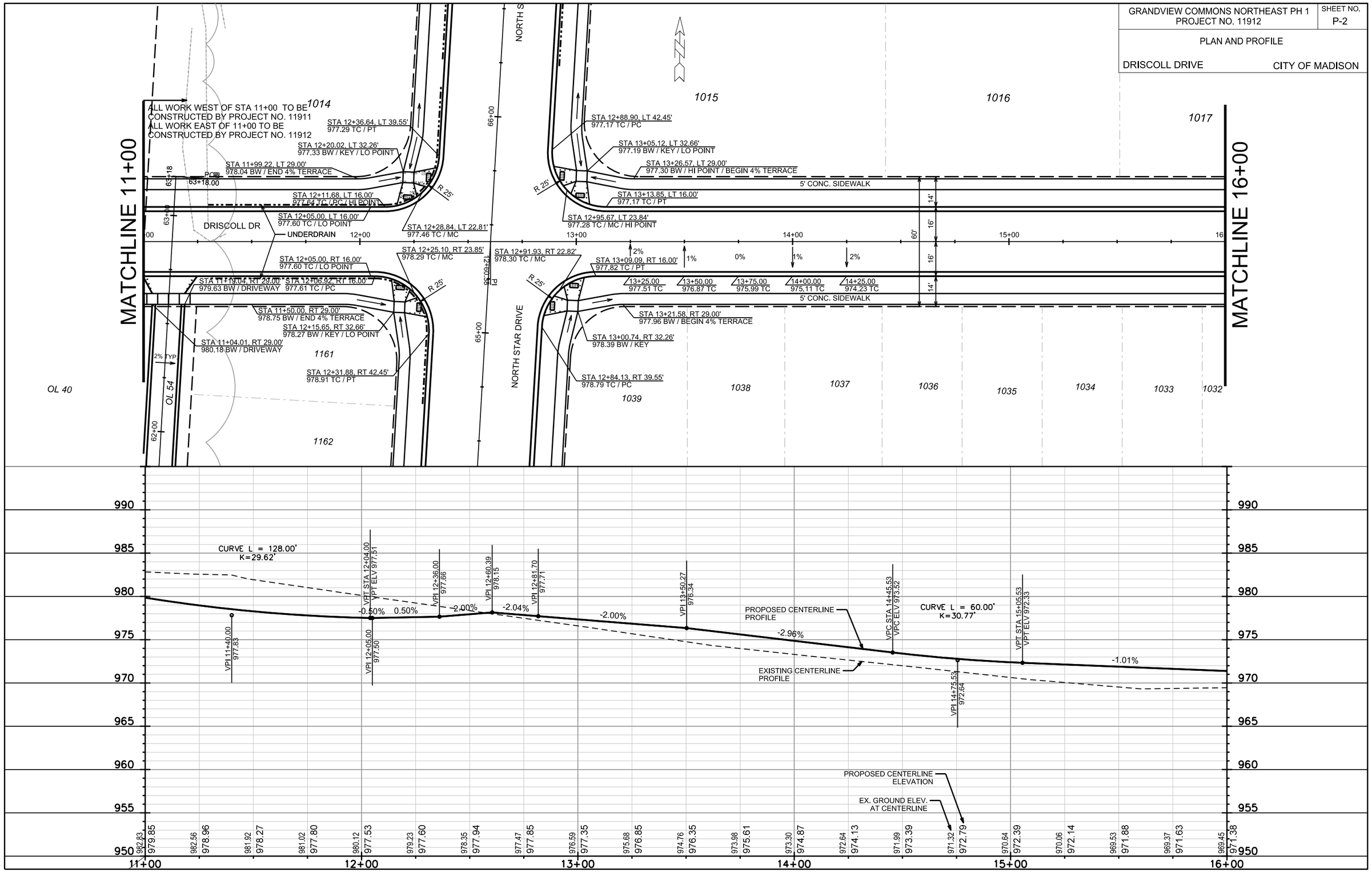
DATE: 7/27/2018

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. P-2
PLAN AND PROFILE	
DRISCOLL DRIVE	CITY OF MADISON



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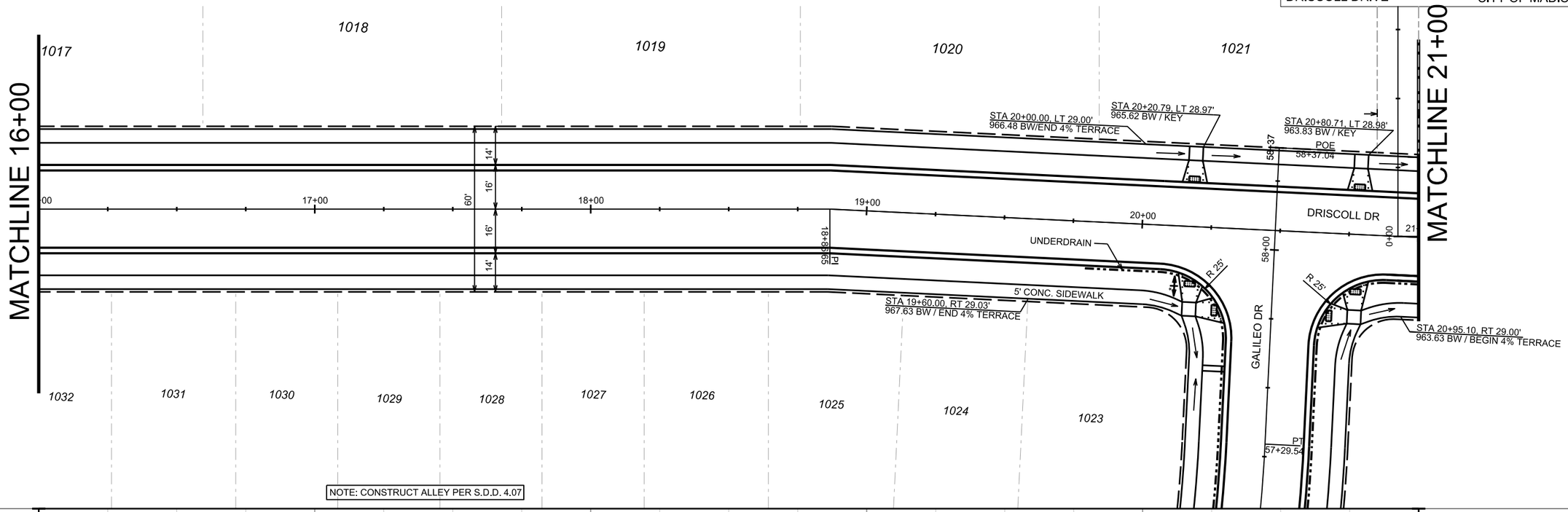
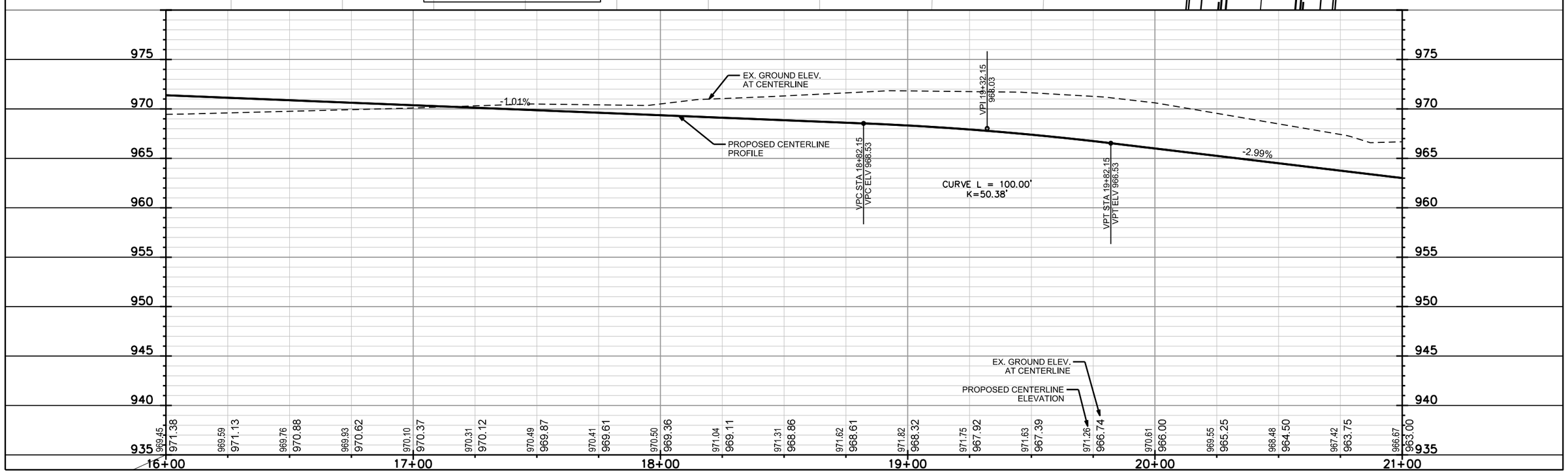
DATE: 7/27/2018

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. P-3
PLAN AND PROFILE	
DRISCOLL DRIVE	CITY OF MADISON



NOTE: CONSTRUCT ALLEY PER S.D.D. 4.07



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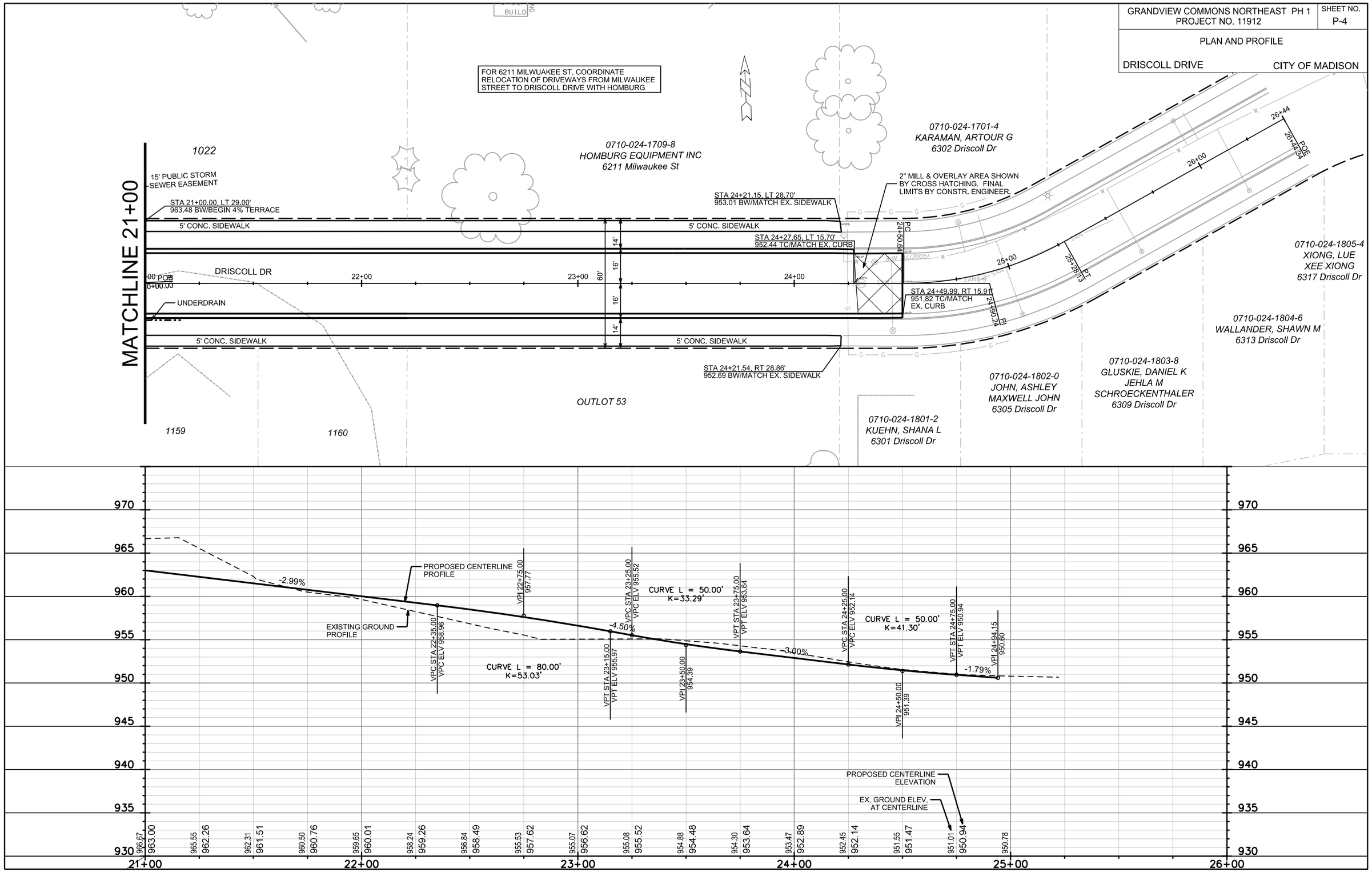
DATE: 7/27/2018

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. P-4
PLAN AND PROFILE	
DRISCOLL DRIVE	CITY OF MADISON



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DATE: 7/27/2018

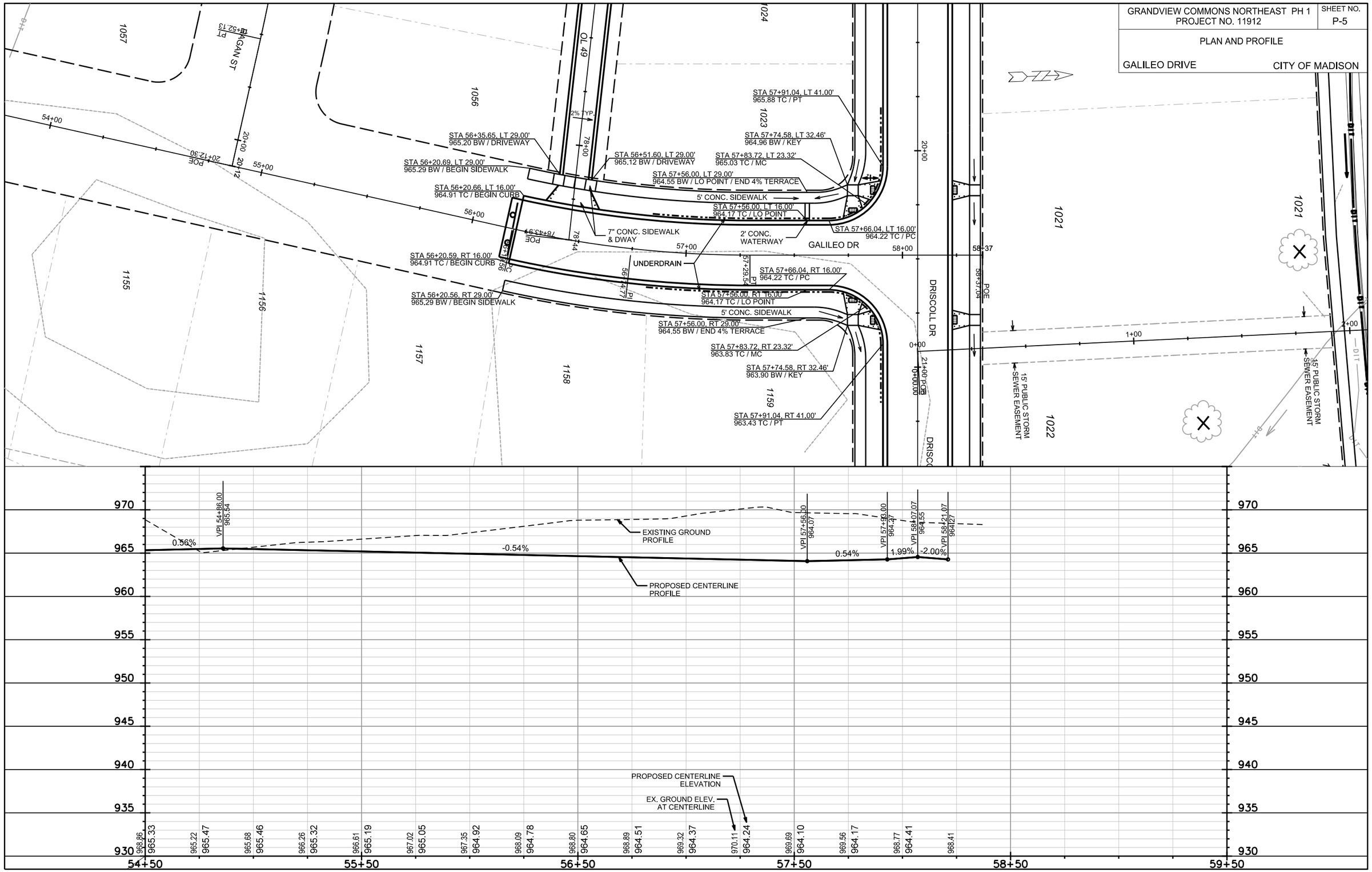
GRANDVIEW COMMONS NORTHEAST PH 1
PROJECT NO. 11912

SHEET NO. P-5

PLAN AND PROFILE

GALILEO DRIVE

CITY OF MADISON



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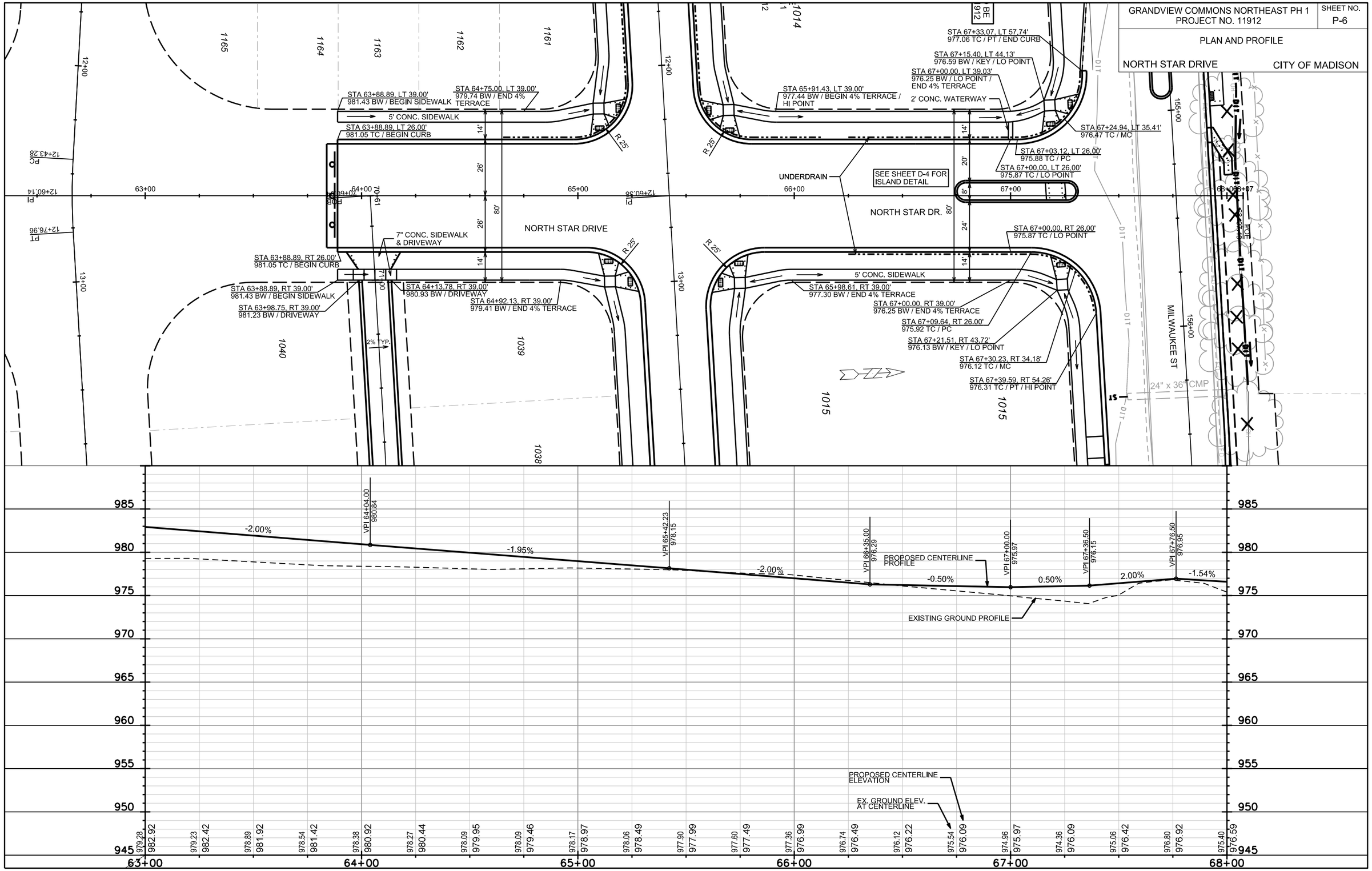
DATE: 7/27/2018

GRANDVIEW COMMONS NORTHEAST PH 1
PROJECT NO. 11912

SHEET NO. P-6

PLAN AND PROFILE

NORTH STAR DRIVE — CITY OF MADISON



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REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPNSD1.dgn

DATE: 7/27/2018

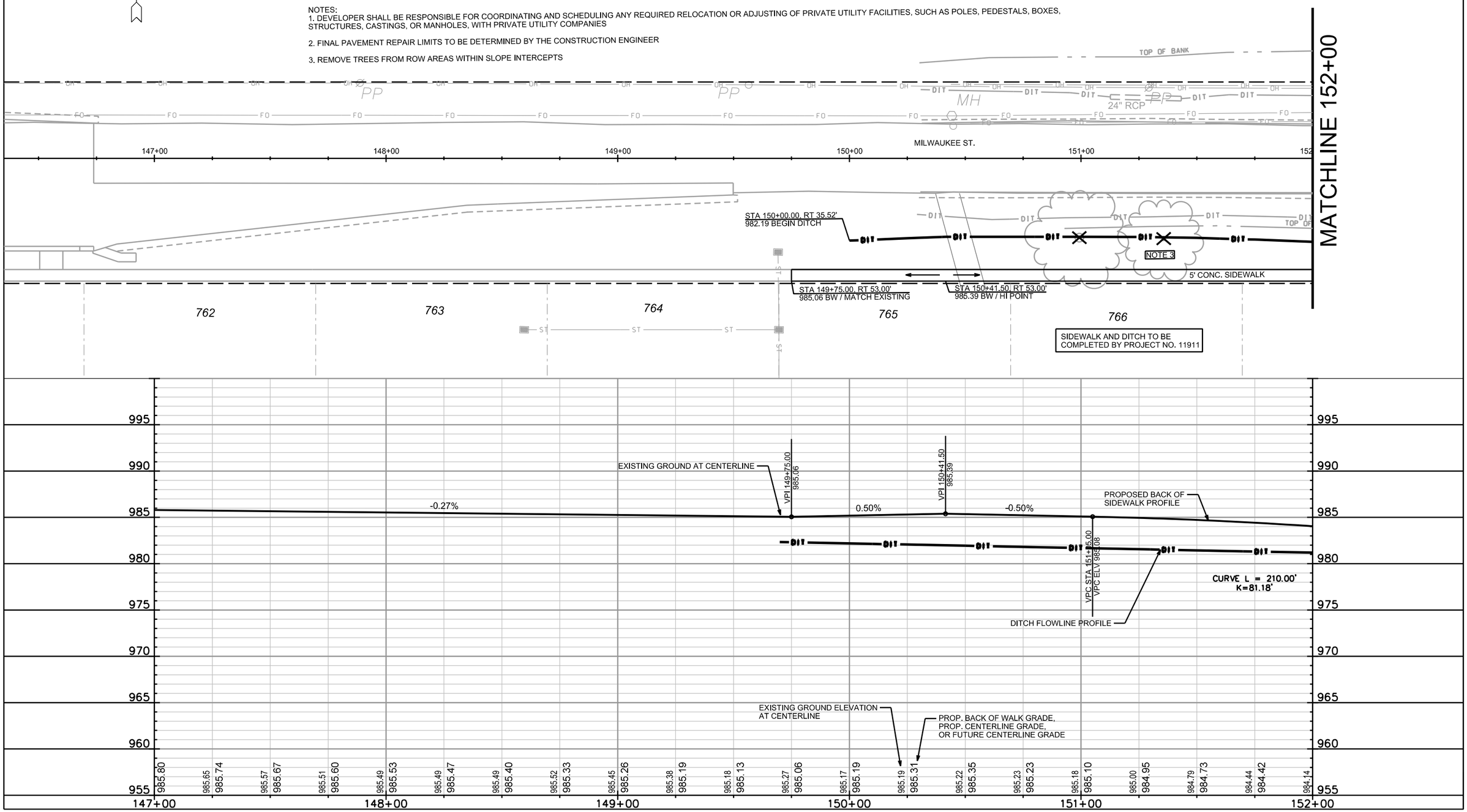
GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. P-7
PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON

0710-022-0099-8
HOMBURG EQUIPMENT INC
5622 Milwaukee St

NOTES:
1. DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS, OR MANHOLES, WITH PRIVATE UTILITY COMPANIES

2. FINAL PAVEMENT REPAIR LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER

3. REMOVE TREES FROM ROW AREAS WITHIN SLOPE INTERCEPTS



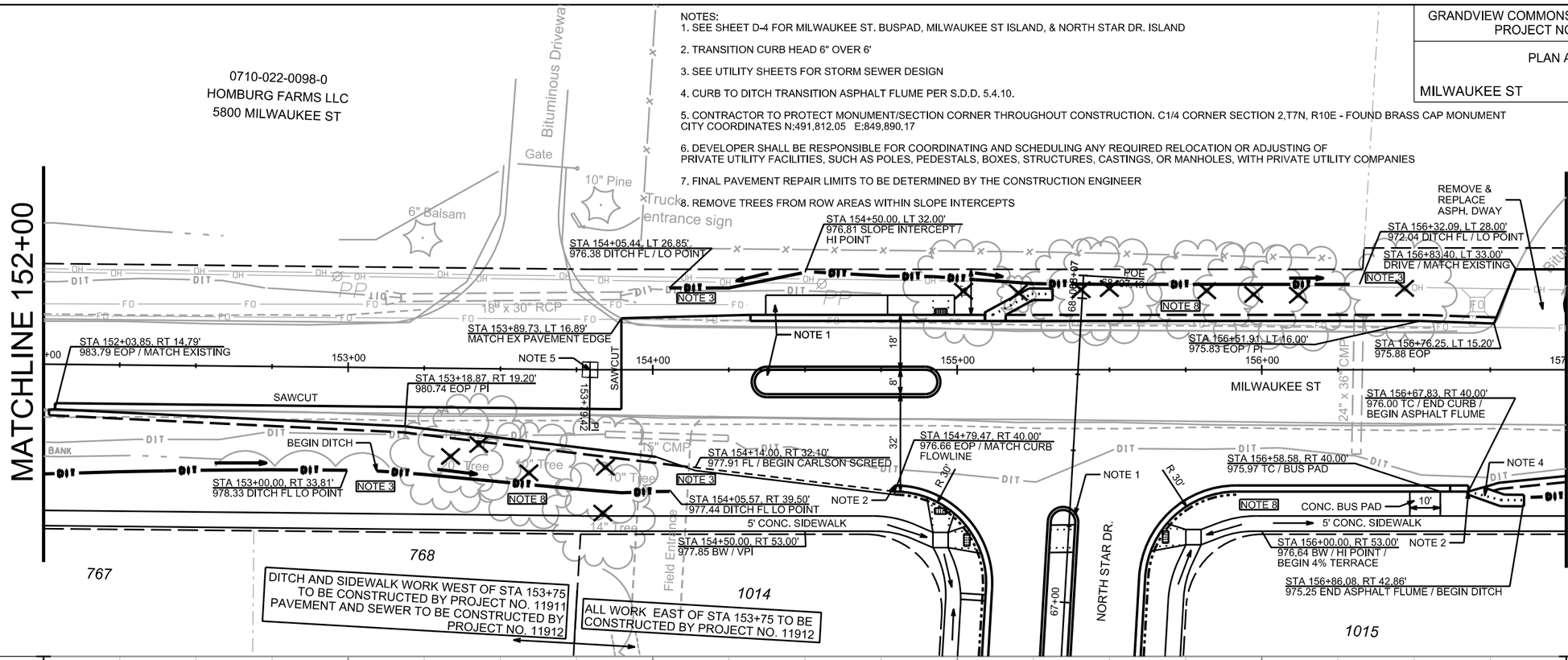
PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

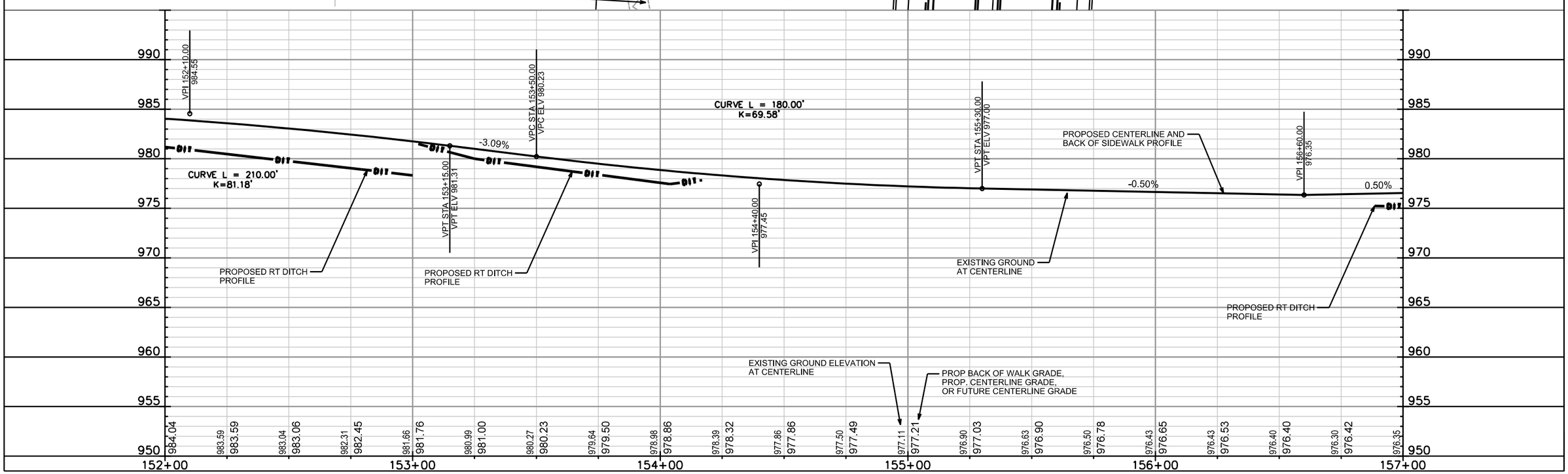
FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPMll1.dgn

DATE: 7/31/2018

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. P-8
PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON

NOTES:
1. SEE SHEET D-4 FOR MILWAUKEE ST. BUSPAD, MILWAUKEE ST ISLAND, & NORTH STAR DR. ISLAND
2. TRANSITION CURB HEAD 6" OVER 6'
3. SEE UTILITY SHEETS FOR STORM SEWER DESIGN
4. CURB TO DITCH TRANSITION ASPHALT FLUME PER S.D.D. 5.4.10.
5. CONTRACTOR TO PROTECT MONUMENT/SECTION CORNER THROUGHOUT CONSTRUCTION. C1/4 CORNER SECTION 2,T7N, R10E - FOUND BRASS CAP MONUMENT CITY COORDINATES N:491,812.05 E:849,890.17
6. DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS, OR MANHOLES, WITH PRIVATE UTILITY COMPANIES
7. FINAL PAVEMENT REPAIR LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER
8. REMOVE TREES FROM ROW AREAS WITHIN SLOPE INTERCEPTS





PLOT SCALE: ____
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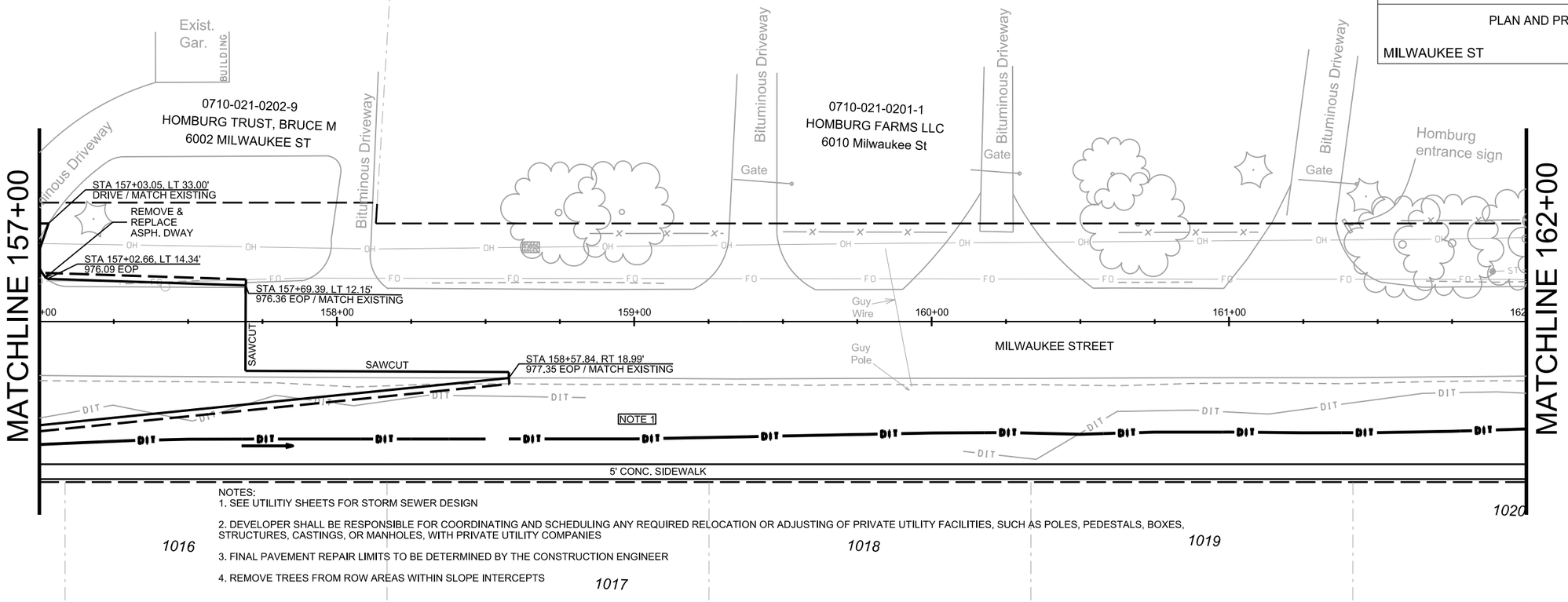
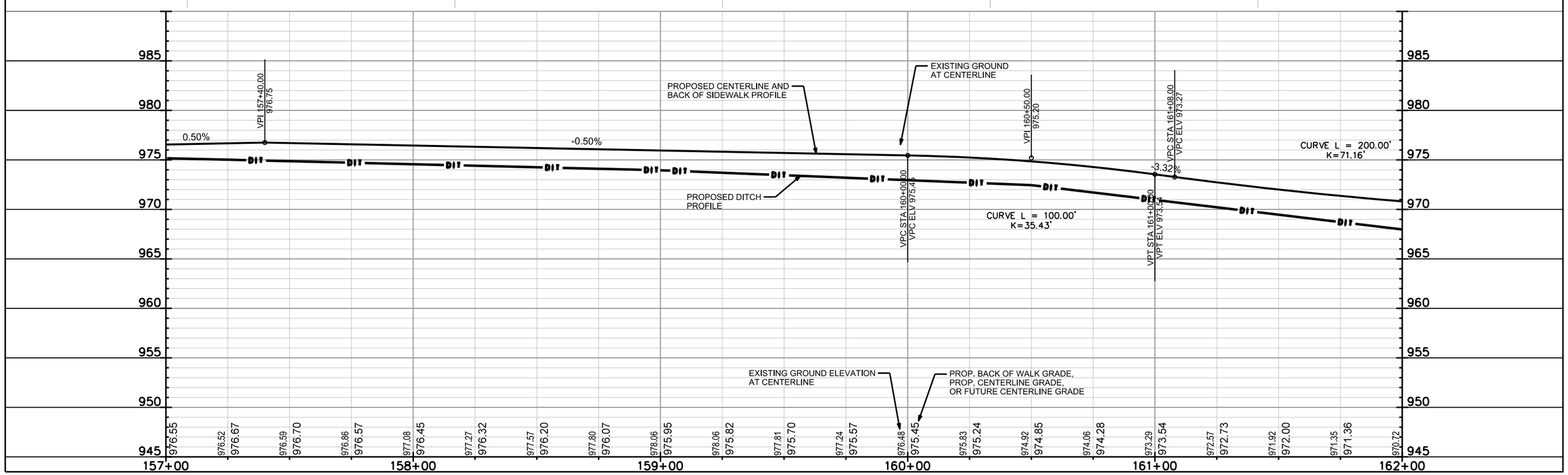
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPMII2.dgn
DATE: 7/31/2018

GRANDVIEW COMMONS NORTHEAST: PH 1 PROJECT NO. 11912	SHEET NO. P-9
PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON



NOTES:
1. SEE UTILITIY SHEETS FOR STORM SEWER DESIGN
2. DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS, OR MANHOLES, WITH PRIVATE UTILITY COMPANIES
3. FINAL PAVEMENT REPAIR LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER
4. REMOVE TREES FROM ROW AREAS WITHIN SLOPE INTERCEPTS



FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPMII3.dgn

DATE: 7/27/2018

PLOT SCALE:

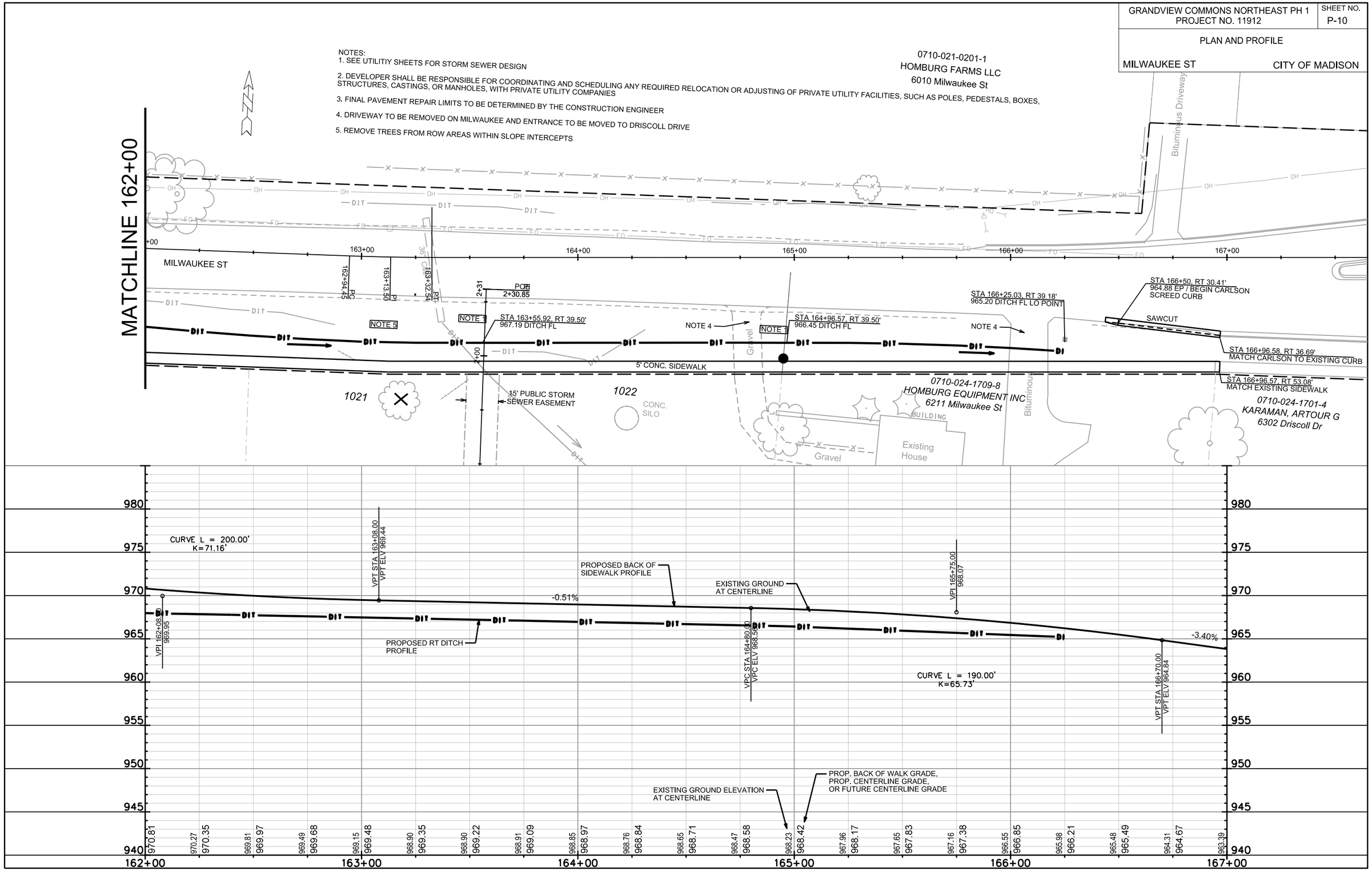
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. P-10
PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON

NOTES:
1. SEE UTILITIY SHEETS FOR STORM SEWER DESIGN
2. DEVELOPER SHALL BE RESPONSIBLE FOR COORDINATING AND SCHEDULING ANY REQUIRED RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, PEDESTALS, BOXES, STRUCTURES, CASTINGS, OR MANHOLES, WITH PRIVATE UTILITY COMPANIES
3. FINAL PAVEMENT REPAIR LIMITS TO BE DETERMINED BY THE CONSTRUCTION ENGINEER
4. DRIVEWAY TO BE REMOVED ON MILWAUKEE AND ENTRANCE TO BE MOVED TO DRISCOLL DRIVE
5. REMOVE TREES FROM ROW AREAS WITHIN SLOPE INTERCEPTS



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

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPMll4.dgn

DATE: 7/27/2018

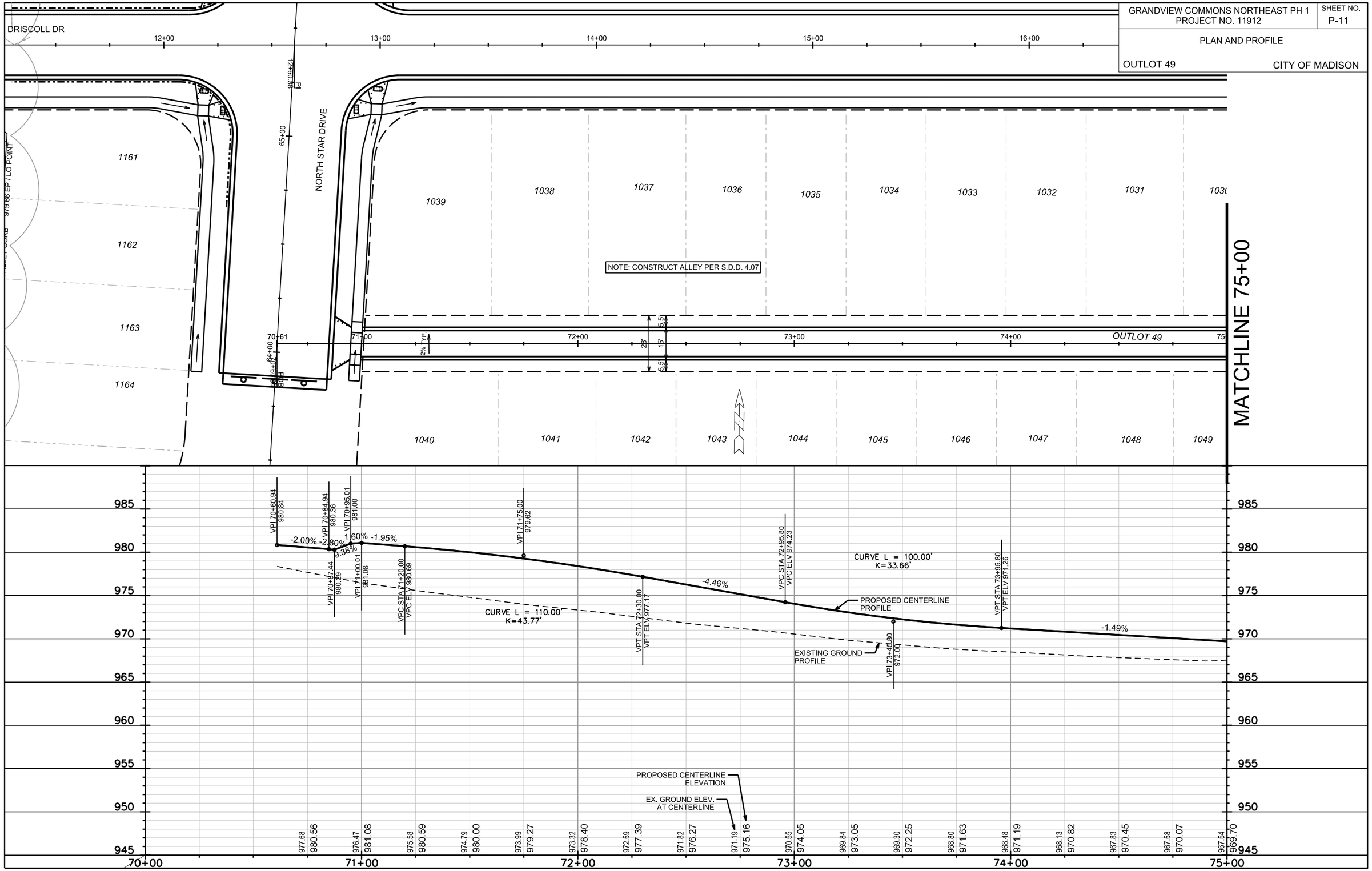
GRANDVIEW COMMONS NORTHEAST PH 1
PROJECT NO. 11912

SHEET NO. P-11

PLAN AND PROFILE

OUTLOT 49

CITY OF MADISON



PLOT SCALE:

PLOT NAME:

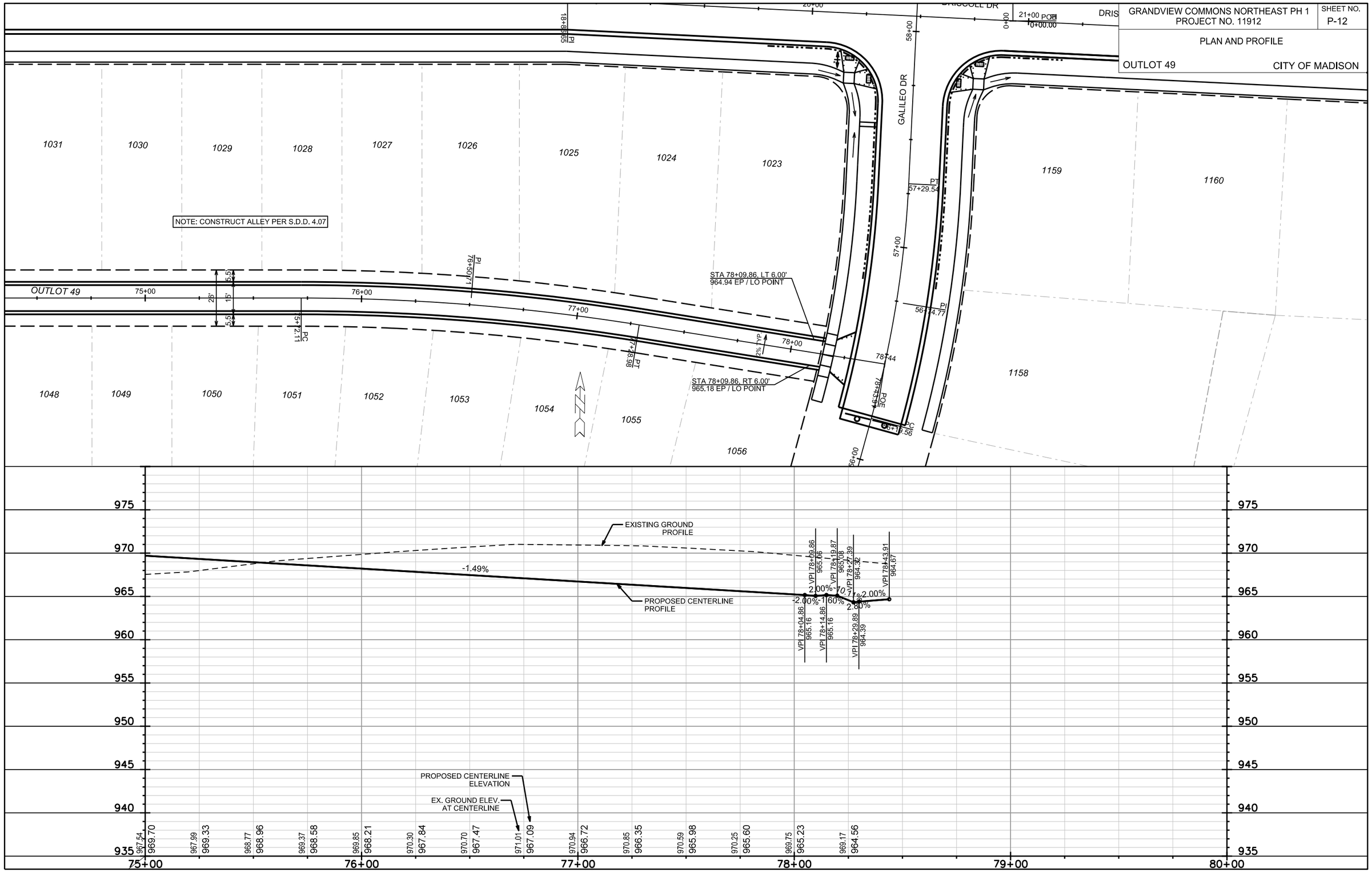
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPOL49-1.dgn

DATE: 7/27/2018

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. P-12
PLAN AND PROFILE	
OUTLOT 49	CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPOL49-2.dgn

DATE: 7/27/2018

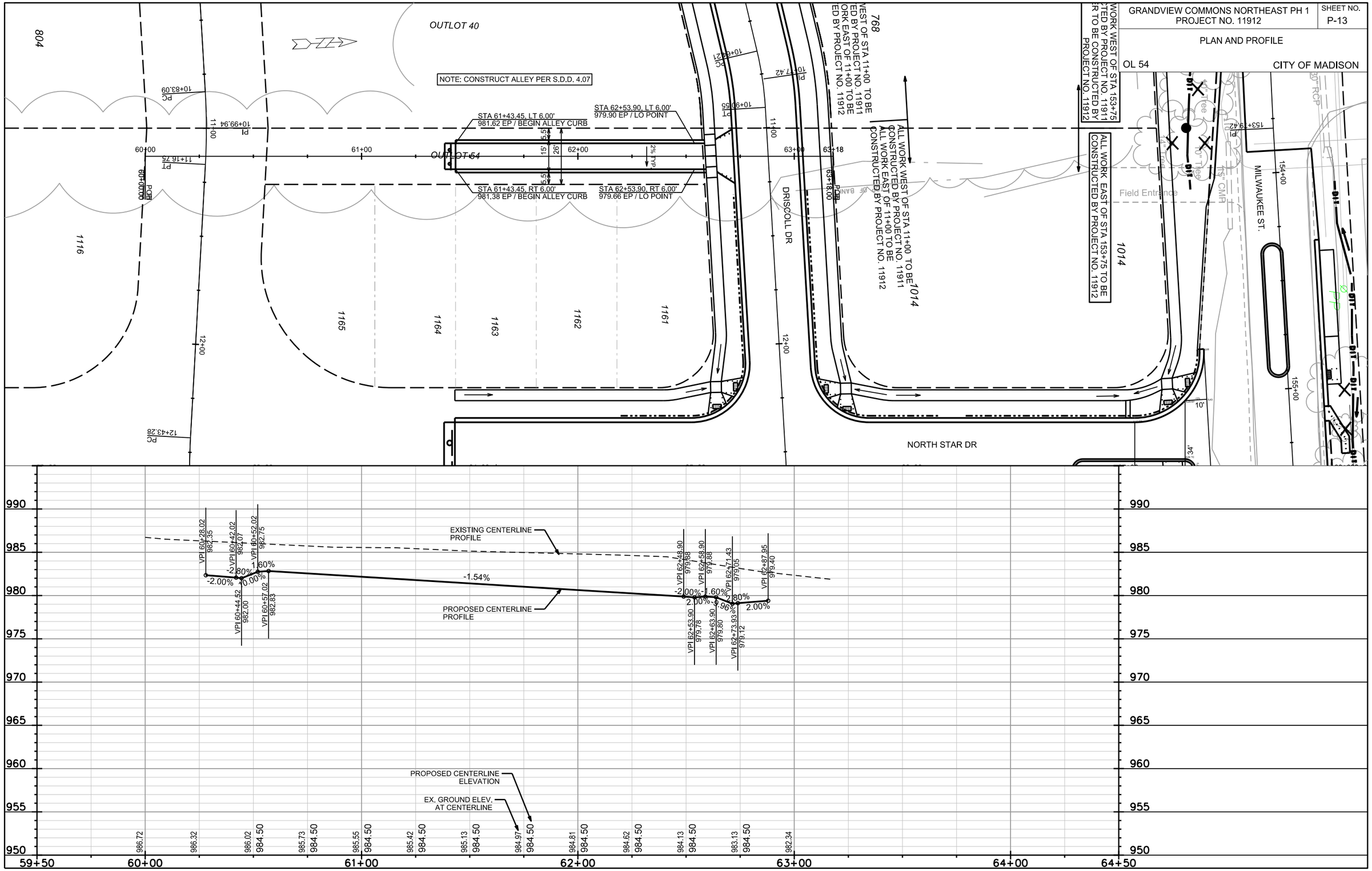
GRANDVIEW COMMONS NORTHEAST PH 1
PROJECT NO. 11912

SHEET NO. P-13

PLAN AND PROFILE

OL 54

CITY OF MADISON



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-PnPOL54.dgn

DATE: 7/27/2018

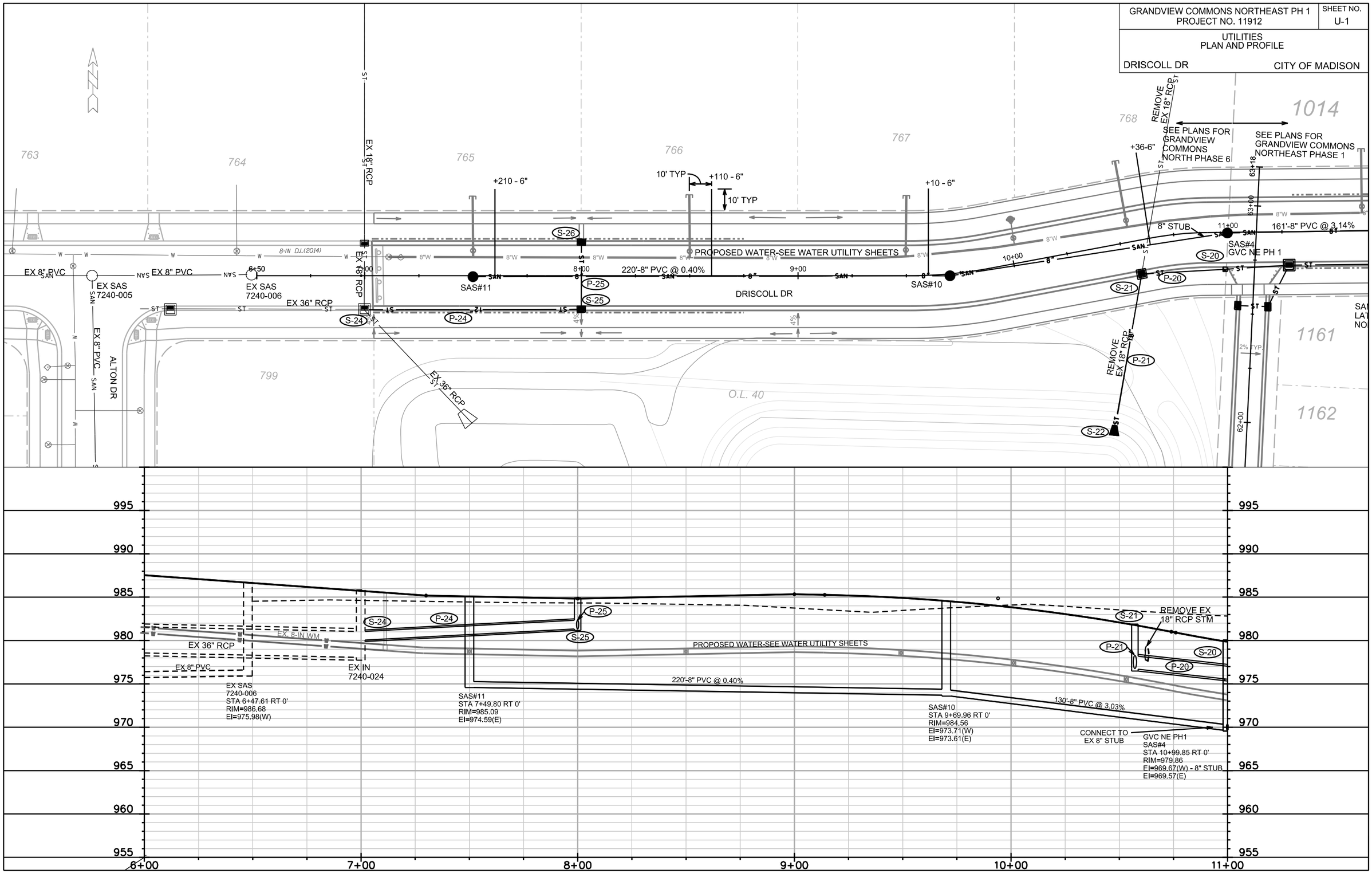
GRANDVIEW COMMONS NORTHEAST PH 1
PROJECT NO. 11912

SHEET NO. U-1

UTILITIES
PLAN AND PROFILE

DRISCOLL DR

CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPDD1.dgn

DATE: 7/30/2018

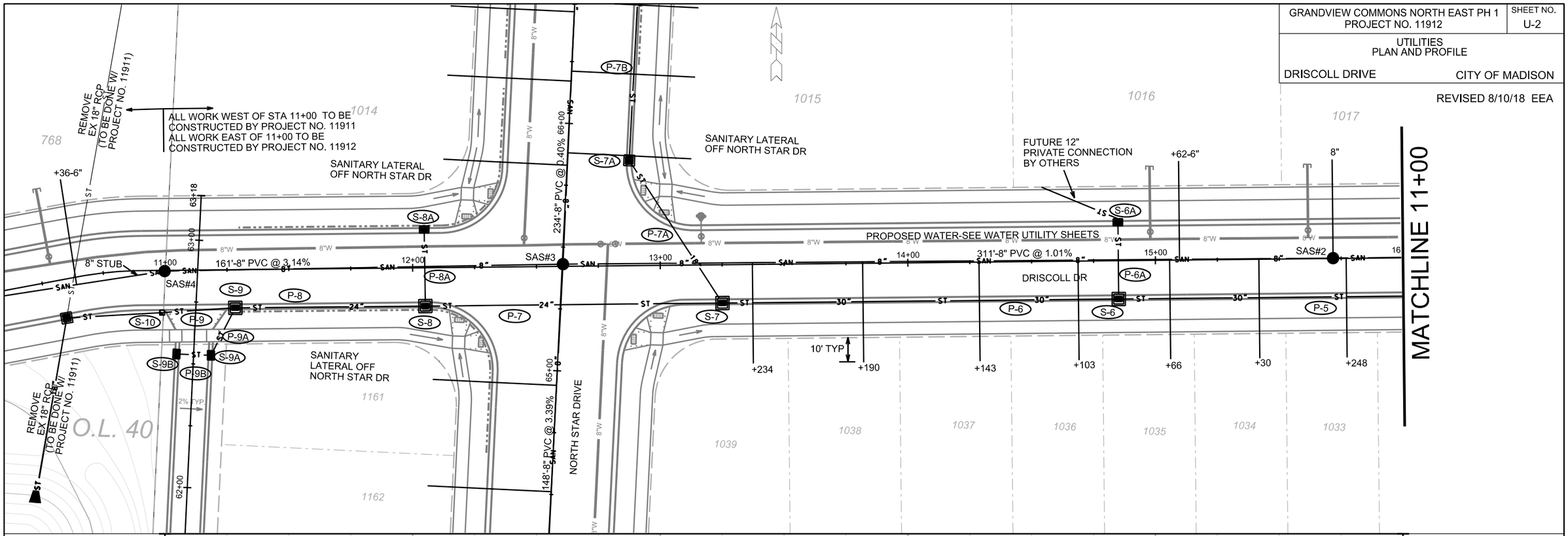
GRANDVIEW COMMONS NORTH EAST PH 1
PROJECT NO. 11912

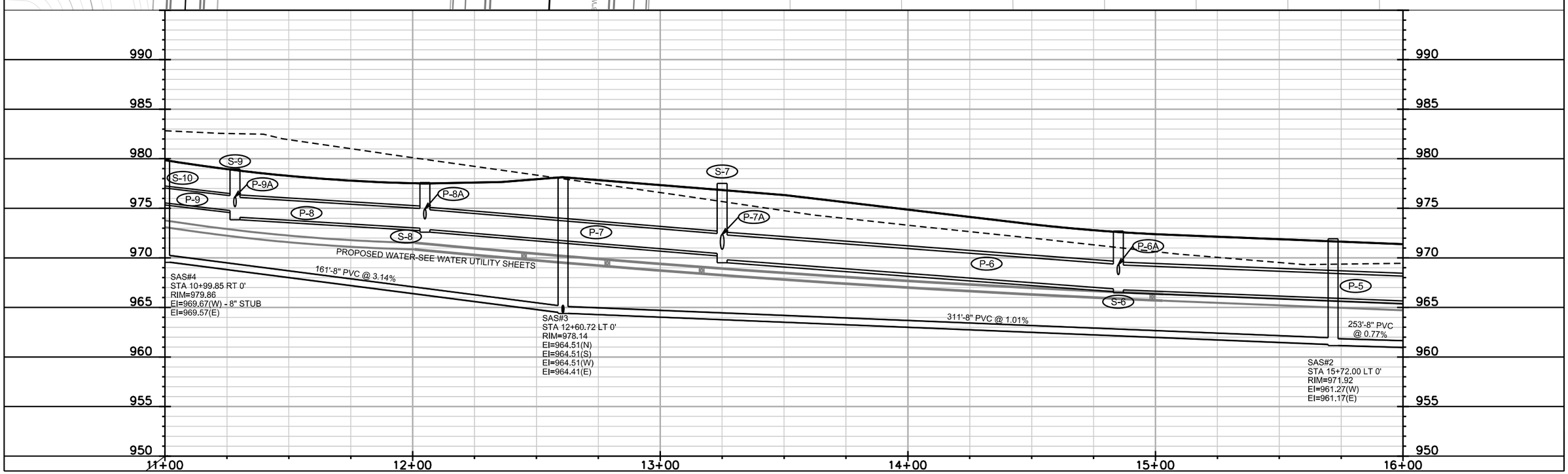
SHEET NO. U-2

UTILITIES
PLAN AND PROFILE

DRISCOLL DRIVE — CITY OF MADISON

REVISED 8/10/18 EEA





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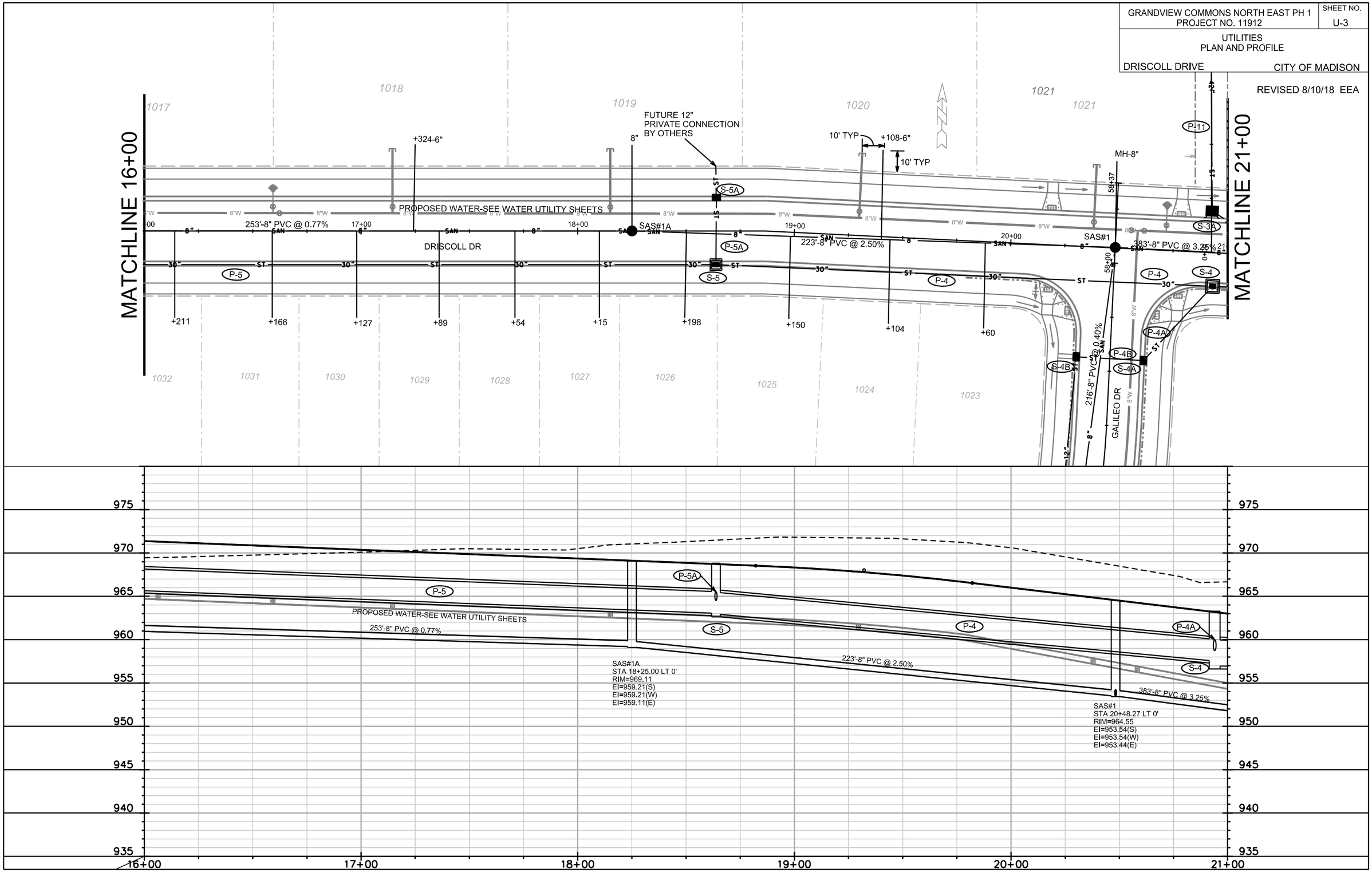
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPDD2.dgn

DATE: 8/10/2018

GRANDVIEW COMMONS NORTH EAST PH 1 PROJECT NO. 11912	SHEET NO. U-3
UTILITIES PLAN AND PROFILE	
DRISCOLL DRIVE	CITY OF MADISON

REVISED 8/10/18 EEA



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPDD3.dgn

DATE: 8/10/2018

GRANDVIEW COMMONS NORTH EAST PH 1
PROJECT NO. 11912

SHEET NO. U-4

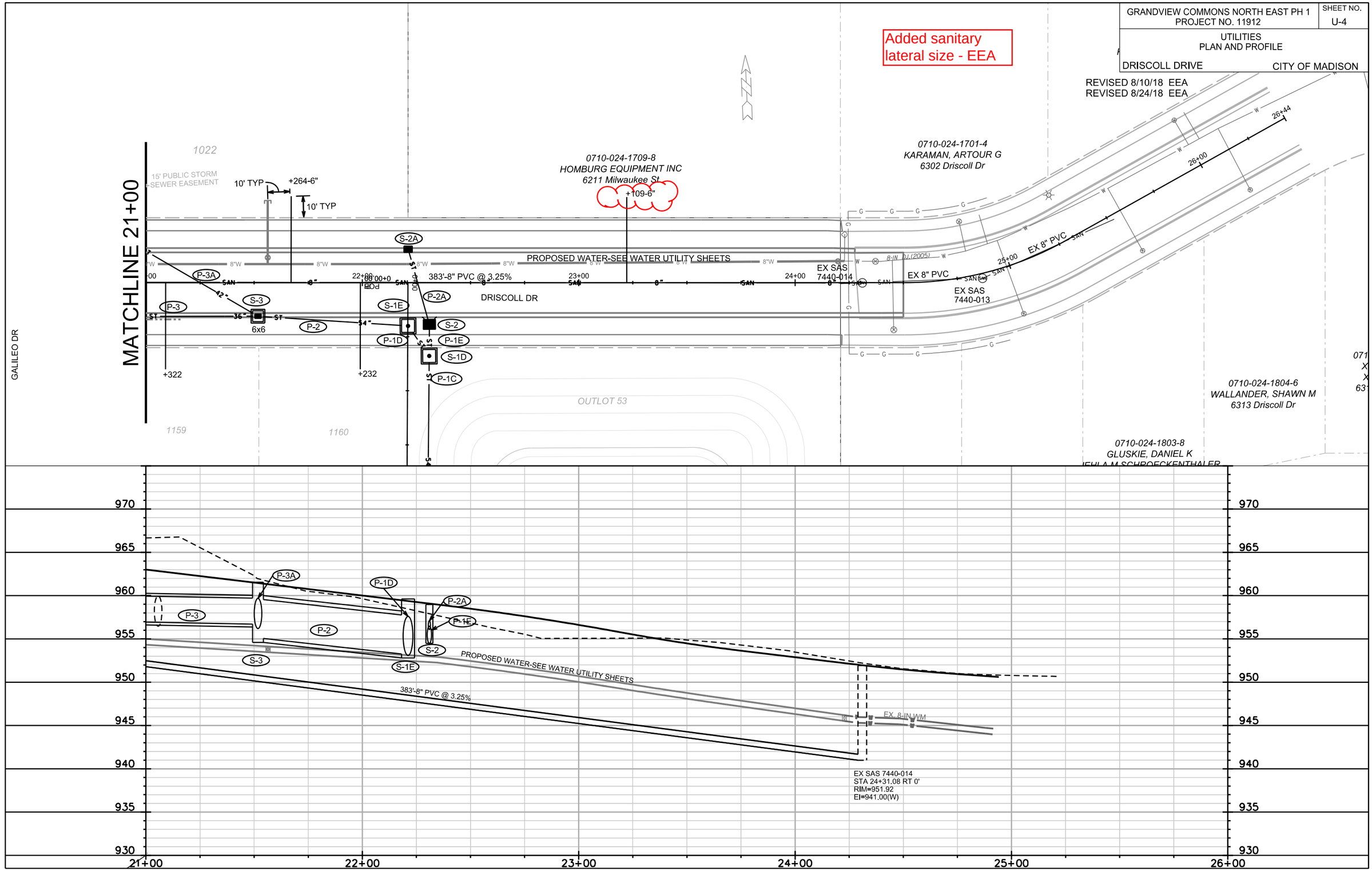
UTILITIES
PLAN AND PROFILE

DRISCOLL DRIVE

CITY OF MADISON

REVISED 8/10/18 EEA
REVISED 8/24/18 EEA

Added sanitary lateral size - EEA



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DATE: 8/24/2018

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

GRANDVIEW COMMONS NORTH EAST PH 1
PROJECT NO. 11912

SHEET NO. U-4

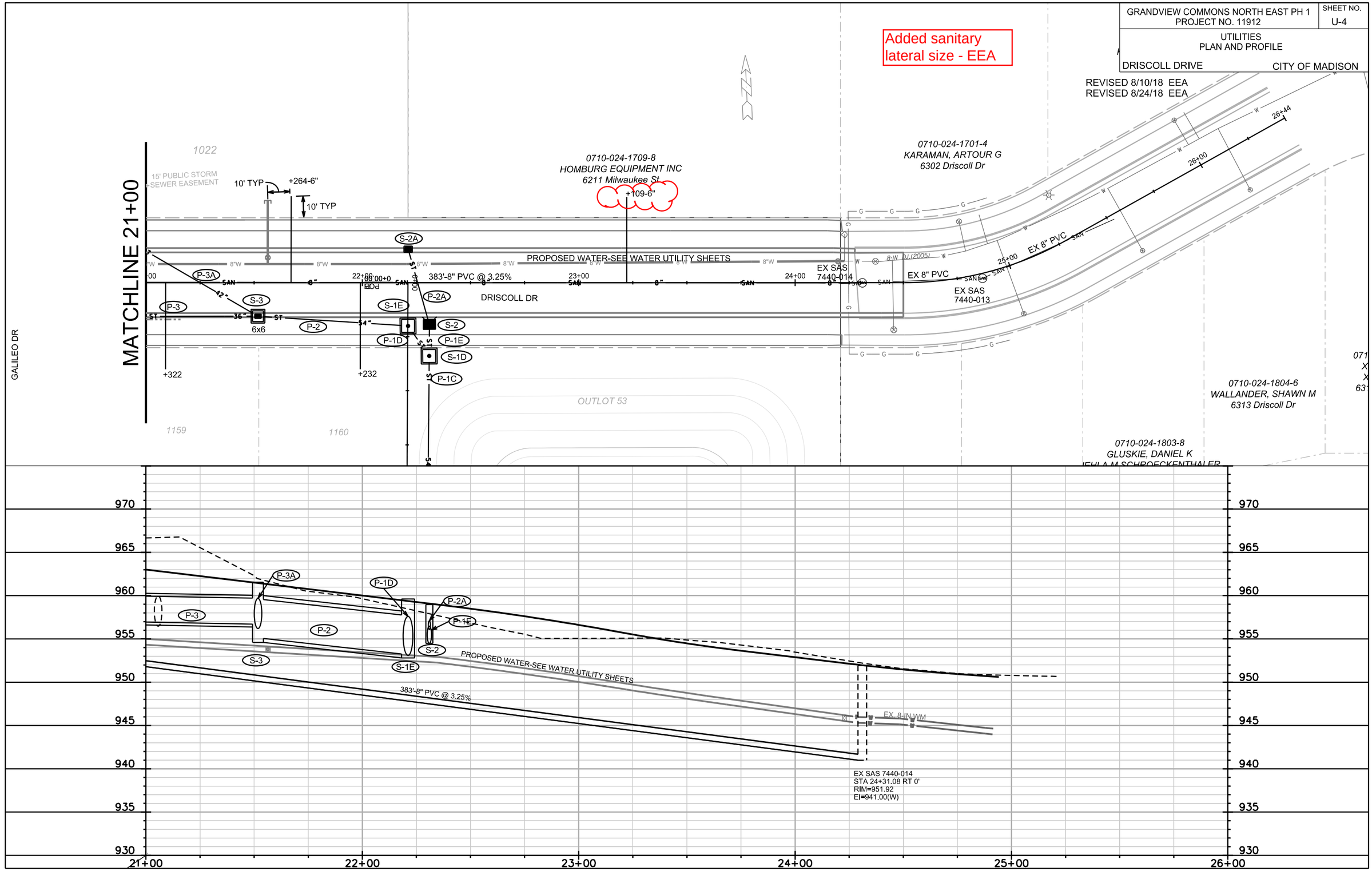
UTILITIES
PLAN AND PROFILE

DRISCOLL DRIVE

CITY OF MADISON

REVISED 8/10/18 EEA
REVISED 8/24/18 EEA

Added sanitary lateral size - EEA



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DATE: 8/24/2018

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

GRANDVIEW COMMONS NORTH EAST PH 1
PROJECT NO. 11912

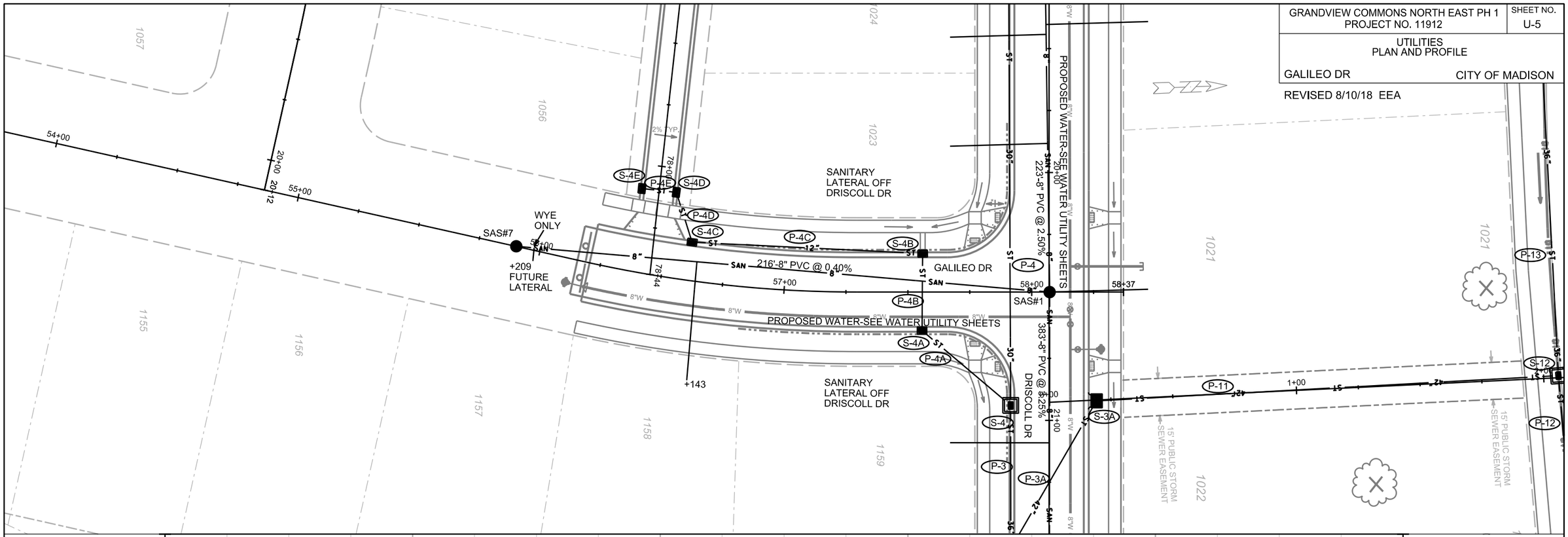
SHEET NO. U-5

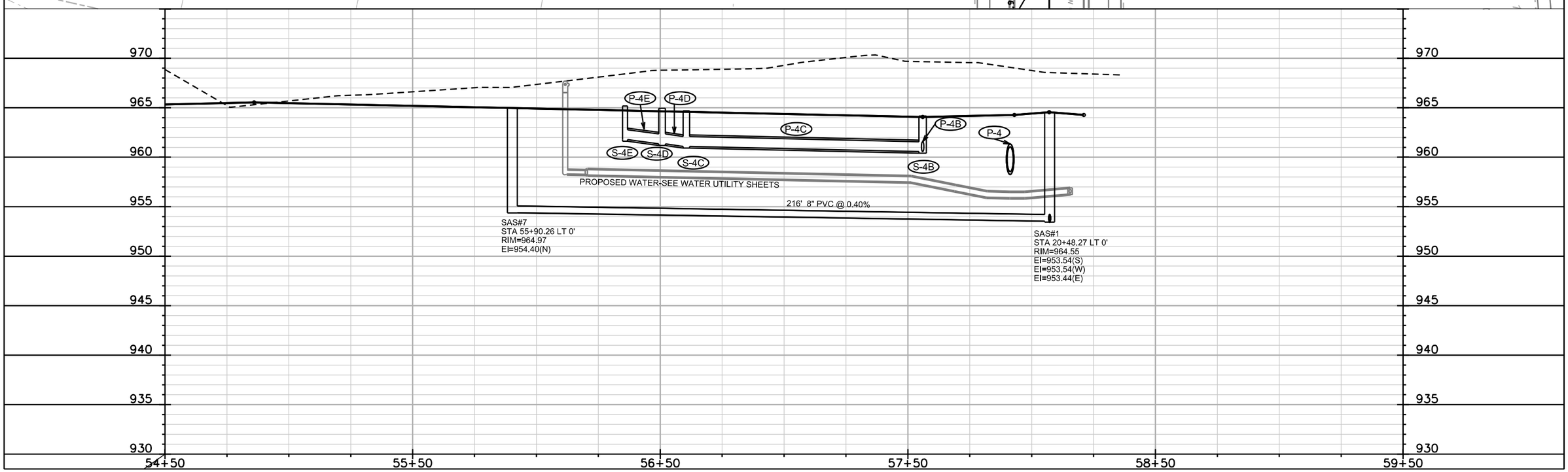
UTILITIES
PLAN AND PROFILE

GALILEO DR

CITY OF MADISON

REVISED 8/10/18 EEA





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REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPGD1.dgn

DATE: 8/10/2018

GRANDVIEW COMMONS NORTH EAST PH 1
PROJECT NO. 11912

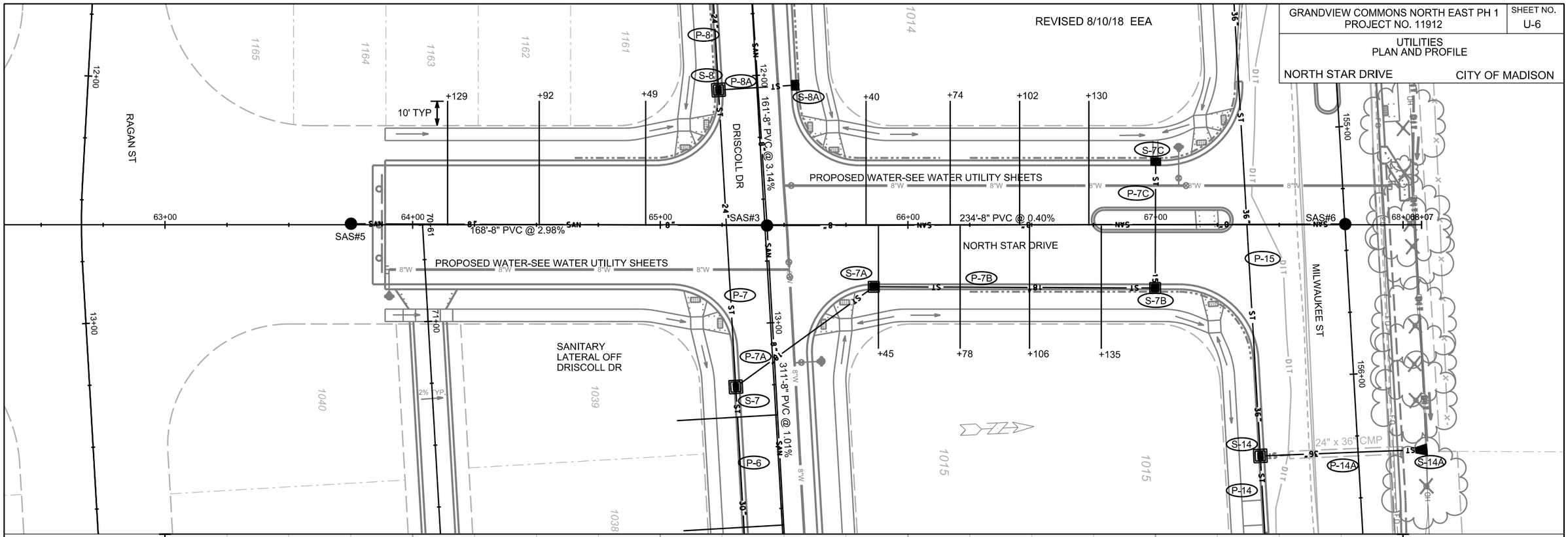
SHEET NO. U-6

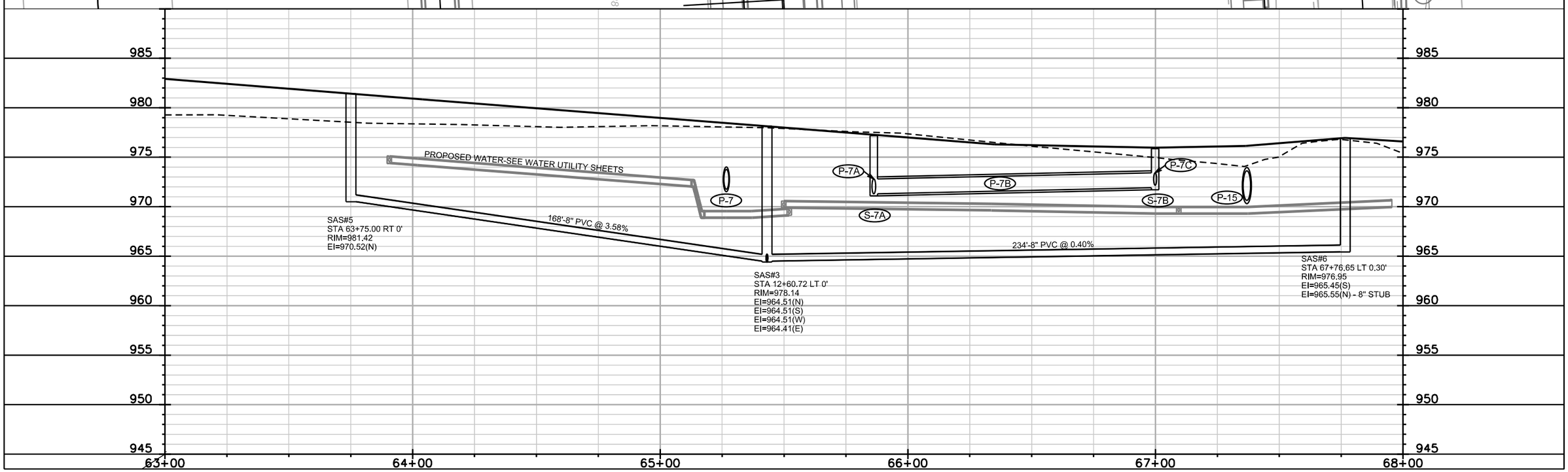
UTILITIES
PLAN AND PROFILE

NORTH STAR DRIVE

CITY OF MADISON

REVISED 8/10/18 EEA





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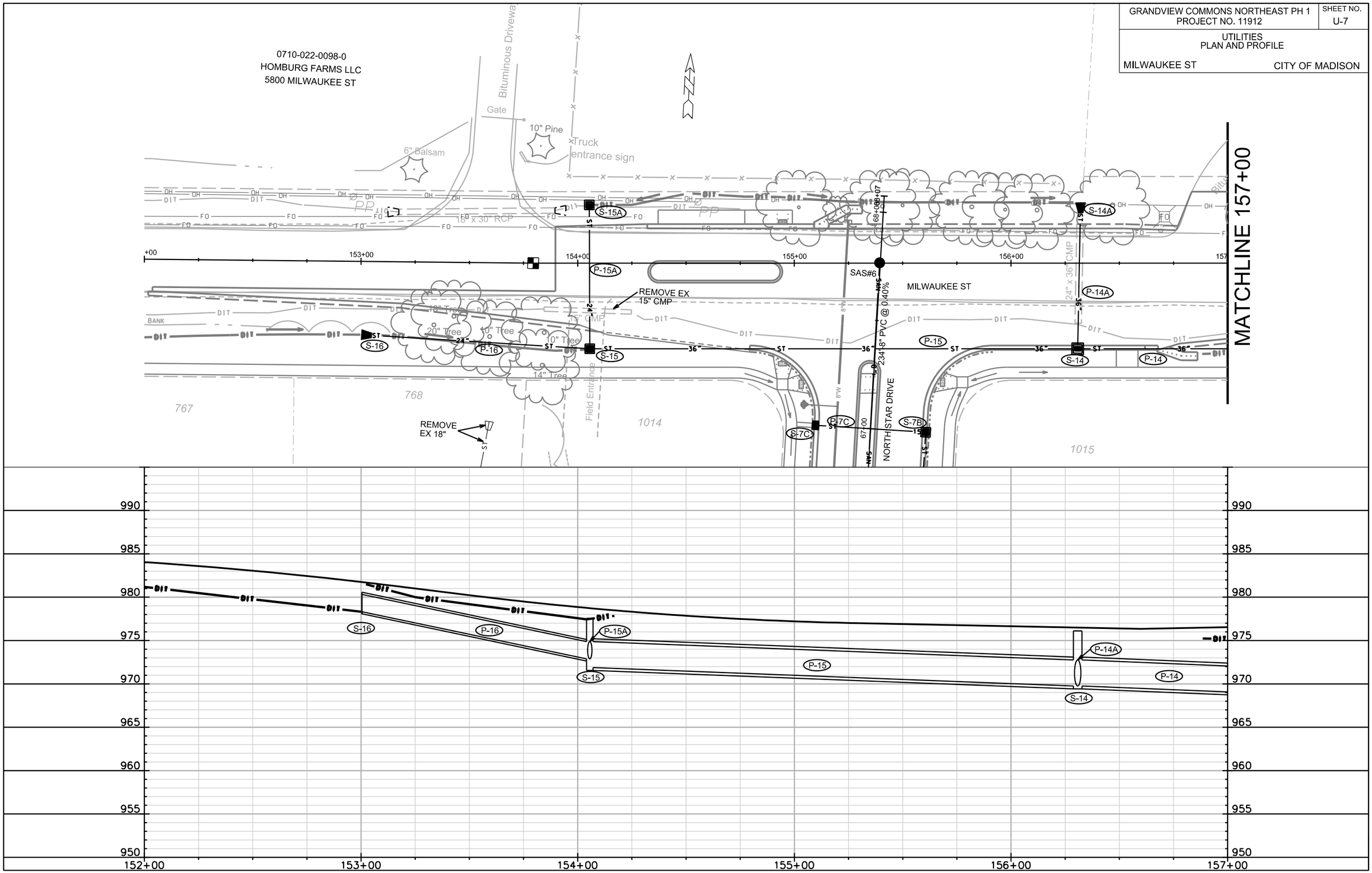
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPNSD1.dgn

DATE: 8/10/2018

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. U-7
UTILITIES PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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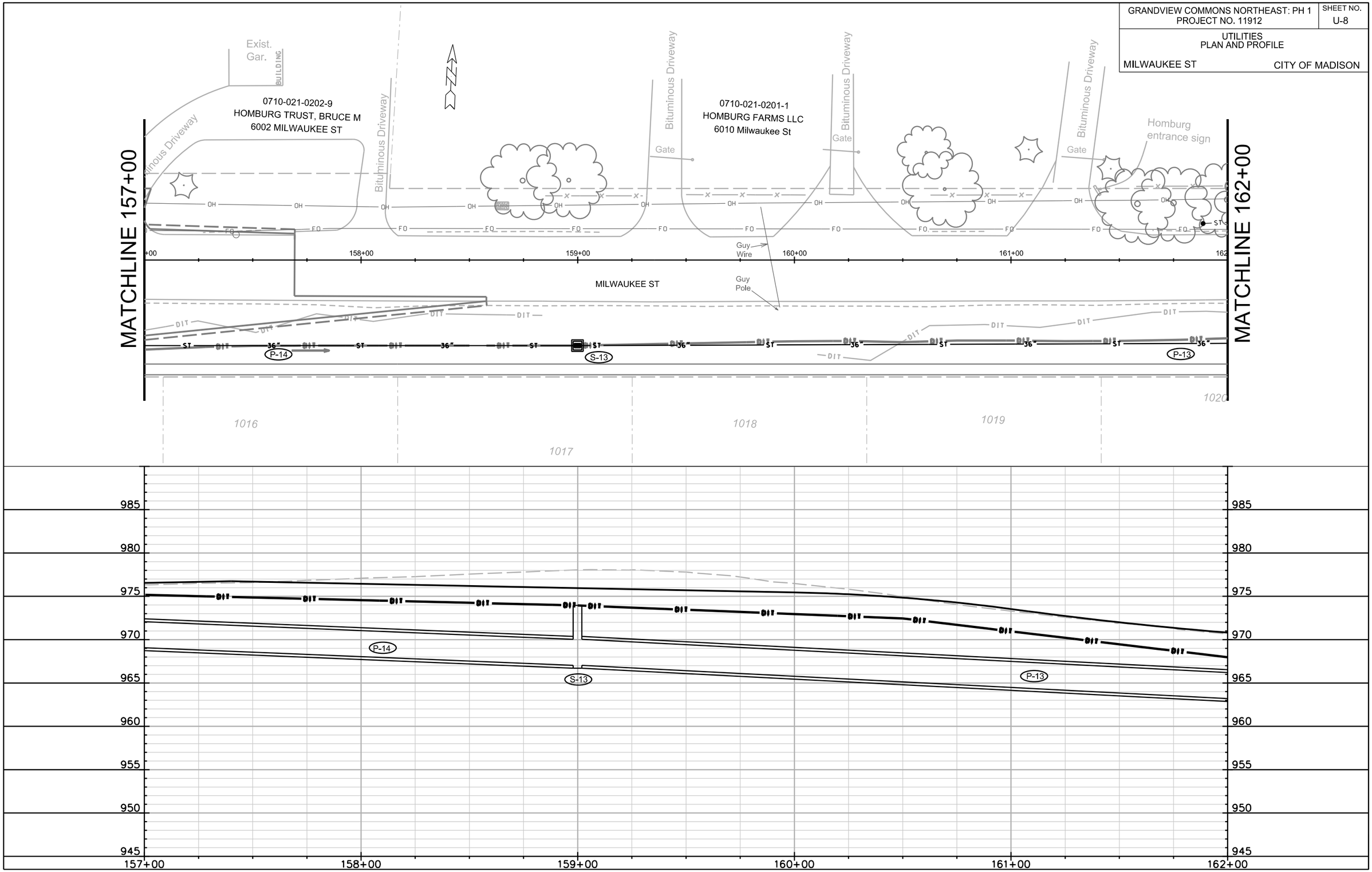
DATE: 8/13/2018

GRANDVIEW COMMONS NORTHEAST: PH 1 PROJECT NO. 11912	SHEET NO. U-8
UTILITIES PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON



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PLOT NAME: ____

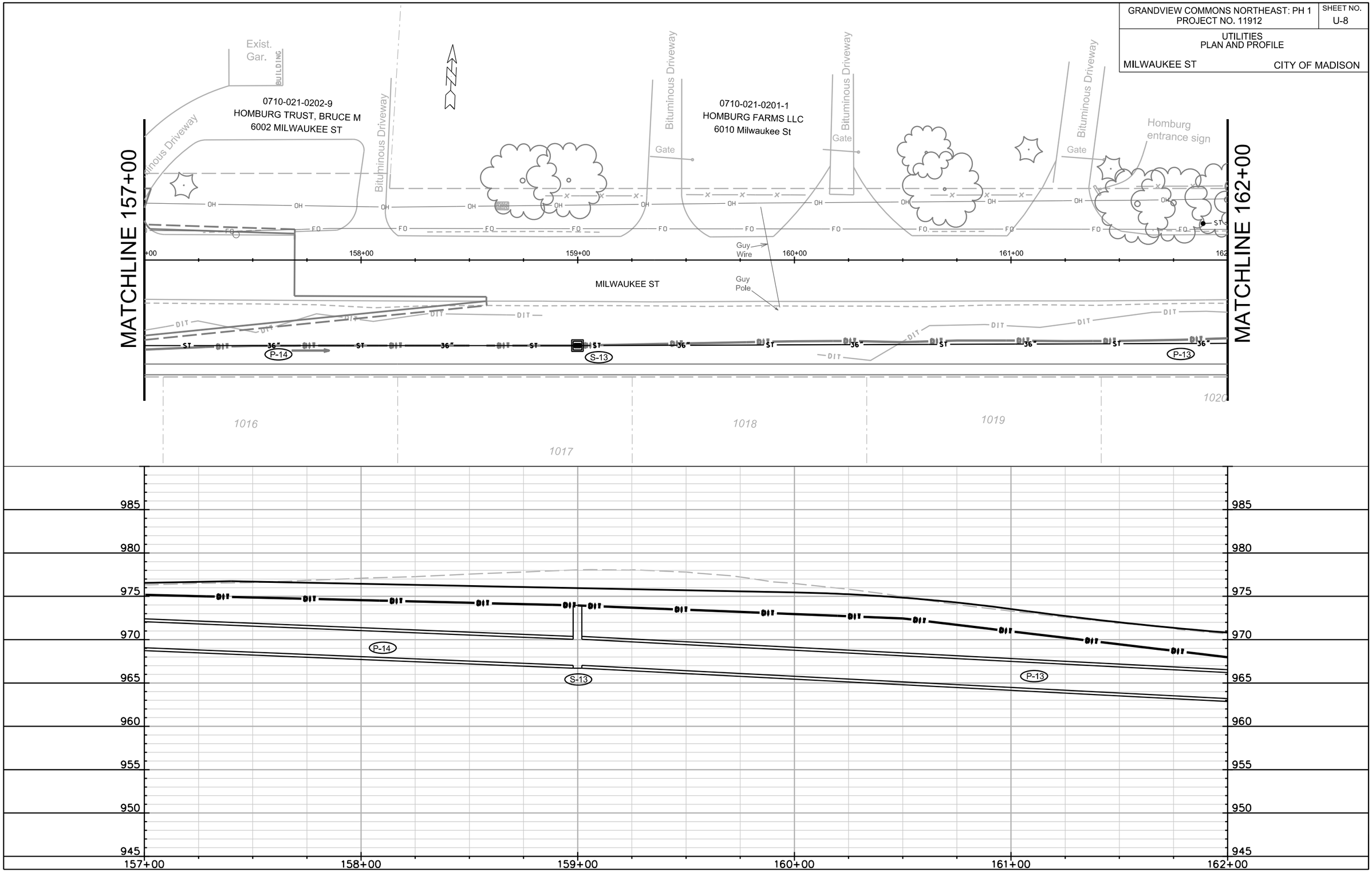
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPMII4.dgn

DATE: 8/13/2018

GRANDVIEW COMMONS NORTHEAST: PH 1 PROJECT NO. 11912	SHEET NO. U-8
UTILITIES PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON



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PLOT NAME: ____

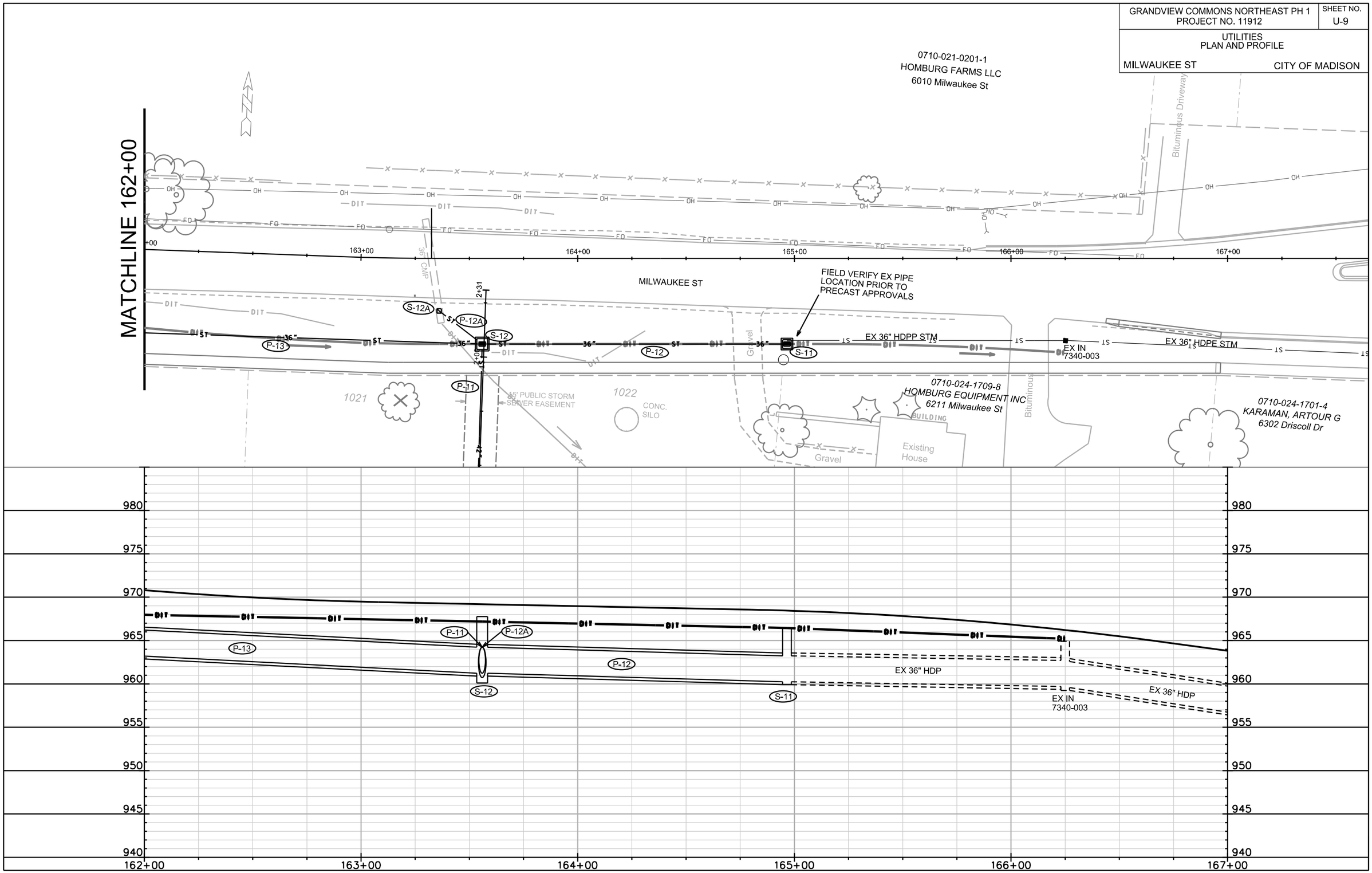
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPMII4.dgn

DATE: 7/30/2018

GRANDVIEW COMMONS NORTHEAST PH 1 PROJECT NO. 11912	SHEET NO. U-9
UTILITIES PLAN AND PROFILE	
MILWAUKEE ST	CITY OF MADISON



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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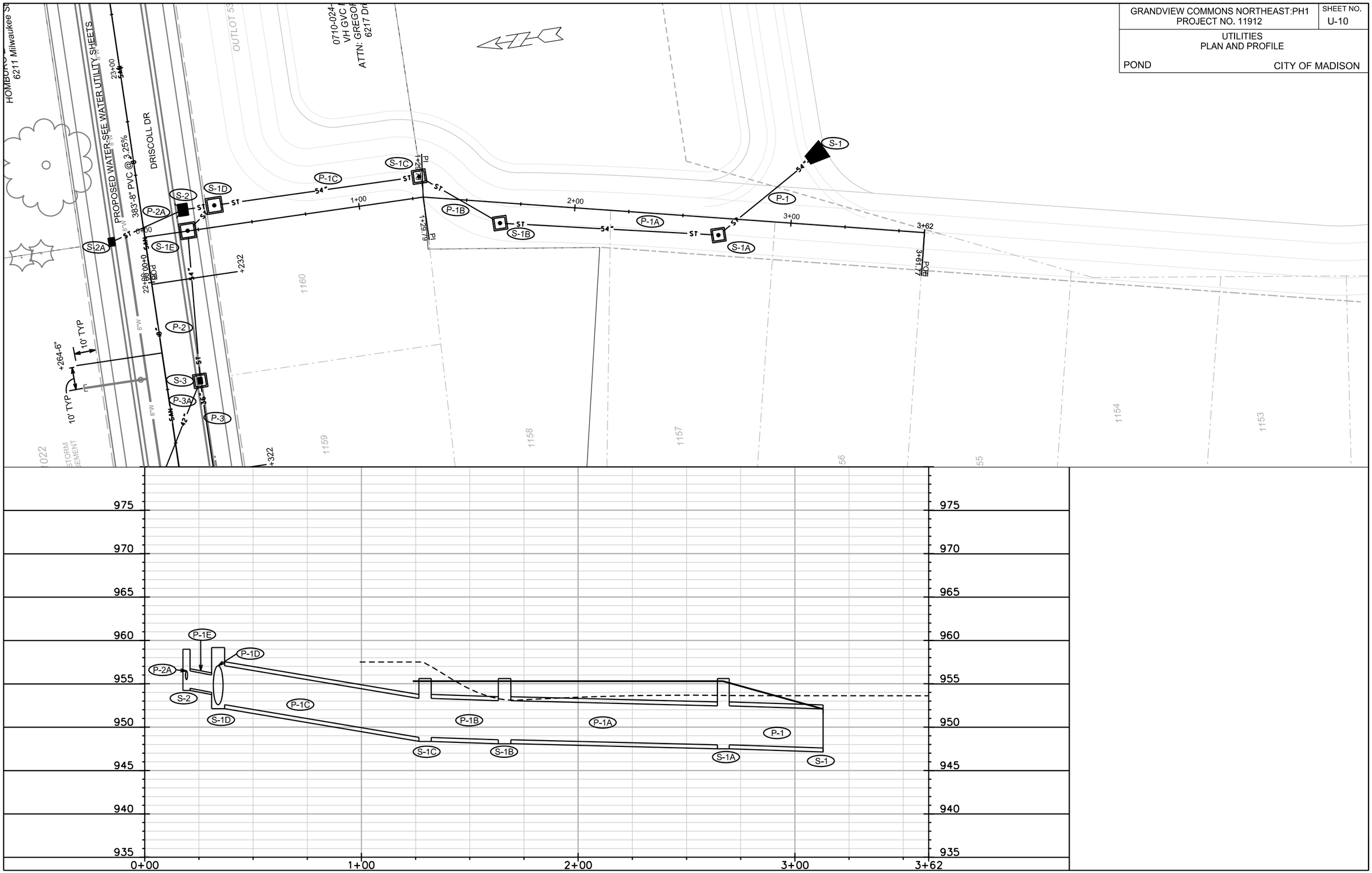
DATE: 7/30/2018

GRANDVIEW COMMONS NORTHEAST:PH1 PROJECT NO. 11912	SHEET NO. U-10
UTILITIES PLAN AND PROFILE	
POND	CITY OF MADISON



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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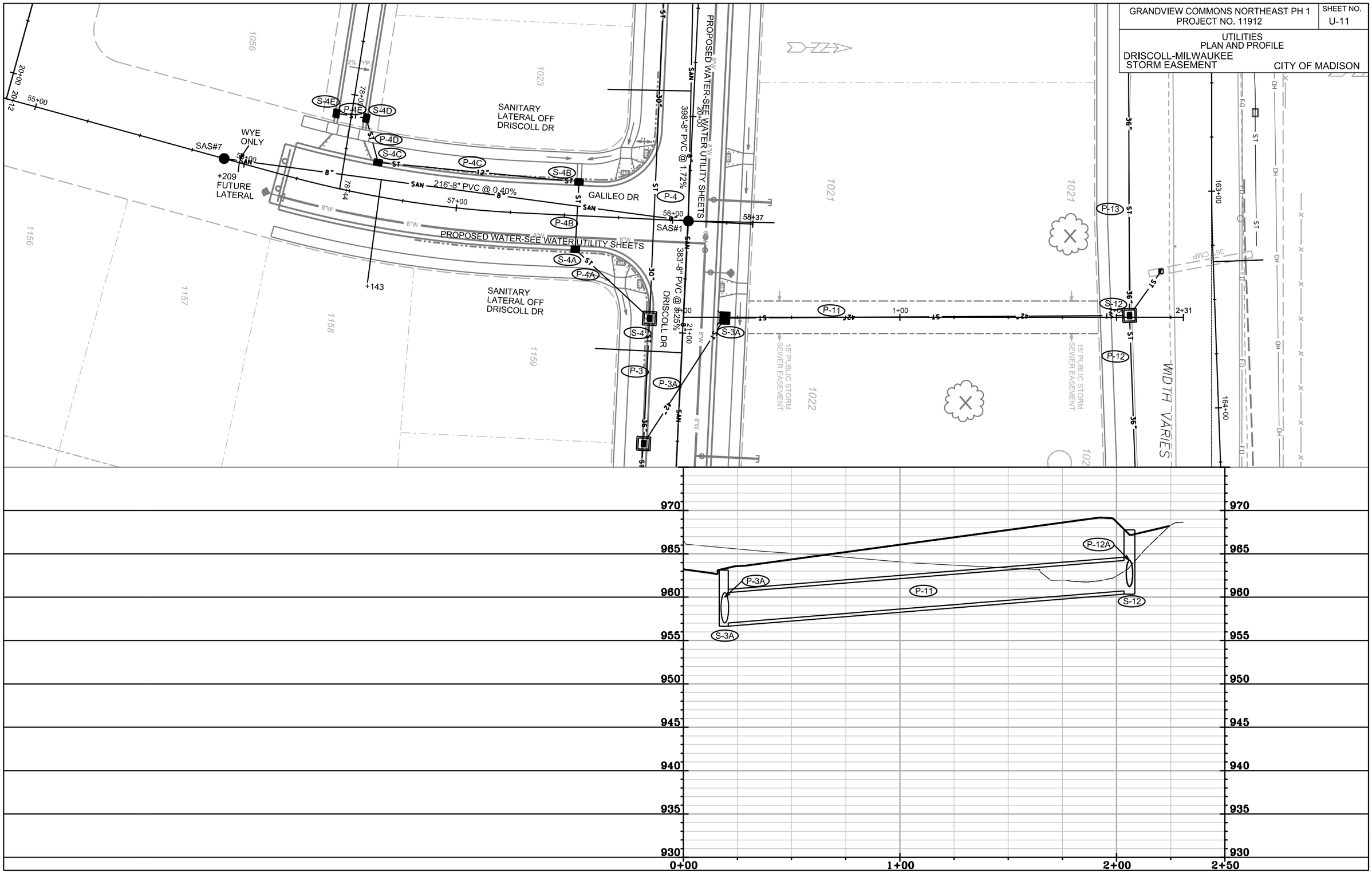
DATE: 7/30/2018

GRANDVIEW COMMONS NORTHEAST PH 1
PROJECT NO. 11912

SHEET NO.
U-11

UTILITIES
PLAN AND PROFILE
DRISCOLL-MILWAUKEE
STORM EASEMENT

CITY OF MADISON



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Sanitary\Design\11912SAN-PnPDD-MII_ESMT.dgn

DATE: 7/30/2018

SANITARY SEWER SCHEDULE

*** REVISED 8/9/18 EEA**

GRANDVIEW COMMONS NE PHASE 1	SHEET NO.
11912	U-SAN
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
DRISCOLL DRIVE						
SAS#1	20+48.27	CL	964.55	953.44	11.11	-
*** SAS#1A**	**18+25.00**	**CL**	**969.11**	**959.11**	**10.00**	**-**
***** SAS#2	**15+72.00**	CL	**971.92**	**961.17**	**10.75**	-
SAS#3	12+60.72	CL	978.14	964.41	13.73	-
SAS#4	11+00.00	CL	979.86	969.57	10.29	-
NORTH STAR DRIVE						
SAS#5	63+75.00	CL	981.42	970.52	10.90	-
SAS#6	67+76.65	CL	976.95	965.45	11.50	-
GALILEO DRIVE						
SAS#7	55+90.26	CL	964.97	954.40	10.57	-

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX SAS 7440-014	SAS#1	941.00	953.44	383	3.25%	8"	SDR-35	-
*** SAS#1**	**SAS#1A**	**953.54**	**959.11**	**223**	**2.50%**	**8"**	**SDR-35**	**-**
*** SAS#1A**	SAS#2	**959.21**	**961.17**	**253**	**0.77%**	8"	SDR-35	-
***** SAS#2	SAS#3	**961.27**	964.41	**311**	**1.01%**	8"	SDR-35	-
SAS#3	SAS#4	964.51	969.57	161	3.14%	8"	SDR-35	-
SAS#3	SAS#5	964.51	970.52	168	3.58%	8"	SDR-35	-
SAS#3	SAS#6	964.51	965.45	234	0.40%	8"	SDR-35	-
SAS#1	SAS#7	953.54	954.40	216	0.40%	8"	SDR-35	-

STORM SEWER SCHEDULE

*** REVISED 8/9/18 EEA**

GRANDVIEW COMMONS NORTHEAST PH 1	SHEET NO.
PROJECT NO. 11912	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
POND							
S-1	3+13.02	LT-35.54	48" RCP APRON END	-	947.60	-	
S-1A	2+67.00	RT-7.88	5X5 SAS	955.60	947.95	7.65	FP; W/ R-1550-0054
S-1B	1+66.05	RT-9.50	5X5 SAS	955.60	948.55	7.05	FP; W/ R-1550-0054
S-1C	1+29.35	LT-9.60	5X5 SAS	955.60	948.80	6.80	FP; W/ R-1550-0054
S-1D	0+33.86	LT-10.00	6X6 SAS	959.17	952.58	6.59	W/ R-1550-0054
S-1E	0+20.03	CL	6X6 SAS	959.62	953.10	6.52	W/ R-1550-0054
DRISCOLL DRIVE							
S-2	22+31.00	RT-19.24	TERRACE INLET TYPE II	958.98	954.48	4.50	FP; W/ R-3067-7004-V
S-2A	22+21.19	LT-15.50	H INLET	959.48	956.26	3.22	W/ R-3067-7004-V
S-3	21+51.79	RT-15.50	6X6 SAS	961.55	955.19	6.36	FP; W/ R-3067-7004-V
S-3A	20+92.17	LT-19.16	TERRACE INLET TYPE II	963.13	957.03	6.10	W/ R-3067-7004-V
S-4	20+94.00	RT-15.50	5X5 SAS	963.28	956.98	6.30	FP; W/ R-3067-7004-V
S-5	18+63.80	RT-15.50	4X4 SAS	968.82	963.02	5.80	W/ R-3067-7004-V
*** S-5A**	**18+64.00**	**LT-15.50**	**H INLET**	**968.82**	**965.02**	**3.80**	**W/ R-3067-7004-V; (3)**
***** S-6	**14+85.00**	RT-15.50	4X4 SAS	**972.71**	**966.81**	**5.90**	W/ R-3067-7004-V
***** S-6A	**14+85.00**	LT-15.50	H INLET	**972.71**	**968.91**	3.80	**W/ R-3067-7004-V; (3)**
S-7	13+25.00	RT-15.50	4X4 SAS	977.51	969.87	7.64	FP; W/ R-3067-7004-V
S-8	12+05.00	RT-15.50	4X4 SAS	977.60	972.93	4.67	LP; W/ R-3067-7004-VB
S-8A	12+05.00	LT-15.50	H INLET	977.60	974.12	3.48	LP; W/ R-3067-7004-VB
S-9	11+28.23	RT-15.50	4X4 SAS	978.96	974.16	4.80	W/ R-3067-7004-V
S-9A	11+18.20	RT-34.50	H INLET	979.66	976.06	3.60	LP; W/ R-3362-L PER SDD 5.7.33
S-9B	11+04.29	RT-33.83	H INLET	979.90	976.50	3.40	LP; W/ R-3362-L PER SDD 5.7.33
S-10	10+98.66	RT-17.05	PIPE END	-	975.58	-	-
GALILEO DRIVE							
S-4A	57+56.00	RT-15.50	3X3 SAS	964.17	959.92	4.25	LP; W/ R-3067-7004-VB
S-4B	57+56.00	LT-15.50	H INLET	964.17	960.57	3.60	LP; W/ R-3067-7004-VB
S-4C	56+50.53	LT-15.50	H INLET	964.69	961.09	3.60	W/ R-3067-7004-V
S-4D	56+50.75	LT-34.47	H INLET	964.94	961.34	3.60	LP; W/ R-3362-L PER SDD 5.7.33
S-4E	56+35.79	LT-33.60	H INLET	965.18	961.78	3.40	LP; W/ R-3362-L PER SDD 5.7.33
NORTH STAR DRIVE							
S-7A	65+86.23	RT-25.50	3X3 SAS	977.17	971.31	5.86	W/ R-3067-7004-V
S-7B	67+00.00	RT-25.50	3X3 SAS	975.87	971.92	3.95	LP; FP; W/ R-3067-7004-VB
S-7C	67+00.00	LT-25.50	H INLET	975.87	972.47	3.40	LP; W/ R-3067-7004-VB
MILWAUKEE STREET							
S-11	164+96.58	RT-39.50	4X4 SAS	967.03	960.24	6.79	FP; W/ R-2560-D7; (1); (2)
S-12	163+55.92	RT-39.50	6X6 SAS	967.77	960.73	7.04	FP; W/ R-2560-D7; (2)
S-12A	163+36.03	RT-24.21	FIELD BEND	-	963.14	-	W/ CONCRETE COLLAR
S-13	159+00.00	RT-39.50	4X4 SAS	974.53	967.04	7.49	FP; W/ R-2560-D7: (2)
S-14	156+30.76	RT-39.50	4X4 SAS	976.11	969.76	6.35	FP; W/ R-3067-7004-V
S-14A	156+32.09	LT-28.00	24" RCP APRON END	-	972.04	-	W/ GATE
S-15	154+05.58	RT-39.50	3X3 SAS	977.44	971.88	5.56	W/ R-1878-B7G
S-15A	154+05.44	LT-26.85	3X3 SAS	976.99	973.21	3.78	FP; W/ R-2560-D7; (2)
S-16	153+00.00	RT-33.81	24" RCP APRON END	-	978.33	-	W/ GATE

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
P-1	S-1	S-1A	947.60	947.95	63	60	0.56%	54"	TYPE I	-
P-1A	S-1A	S-1B	947.95	948.55	101	96	0.59%	54"	TYPE I	-
P-1B	S-1B	S-1C	948.55	948.80	43	37	0.58%	54"	TYPE I	-
P-1C	S-1C	S-2	948.80	952.58	95	90	3.98%	54"	TYPE I	-
P-1D	S-1D	S-1E	952.58	953.10	17	10	3.06%	54"	TYPE I	-
P-1E	S-1D	S-2	954.00	954.48	15	10	3.20%	24"	TYPE I	NCM
P-2	S-1E	S-3	953.10	955.19	69	64	3.03%	54"	TYPE I	-
P-2A	S-2	S-2A	955.48	956.26	36	33	2.17%	12"	TYPE I	-
P-3	S-3	S-4	956.69	956.98	58	53	0.50%	36"	TYPE II	-
P-3A	S-3	S-3A	956.19	957.03	67	62	1.25%	42"	TYPE I	-
P-4	S-4	S-5	957.48	963.02	229	225	2.42%	30"	TYPE II	-
P-4A	S-4	S-4A	958.73	959.92	46	42	2.59%	15"	TYPE II	-
P-4B	S-4A	S-4B	960.17	960.57	31	29	1.29%	12"	TYPE I	-
P-4C	S-4B	S-4C	960.57	961.09	93	90	0.56%	12"	TYPE I	-
P-4D	S-4C	S-4D	961.09	961.34	21	18	1.19%	12"	TYPE I	-
P-4E	S-4D	S-4E	961.34	961.78	14	12	3.14%	12"	TYPE I	-
***** P-5	S-5	S-6	963.02	**966.81**	**379**	**375**	**1.00%**	30"	TYPE II	-
*** P-5A**	**S-5**	**S-5A**	**964.52**	**965.02**	**31**	**28**	**1.61%**	**12"**	**TYPE I**	**-**
***** P-6	S-6	S-7	**966.81**	969.87	**160**	**156**	**1.91%**	30"	TYPE II	-
***** P-6A	S-6	S-6A	**968.31**	**968.91**	31	28	**1.94%**	12"	TYPE I	-
P-7	S-7	S-8	970.37	972.93	120	116	2.13%	24"	TYPE I	-
P-7A	S-7	S-7A	970.87	971.31	76	72	0.58%	18"	TYPE II	-
P-7B	S-7A	S-7B	971.31	971.92	104	101	0.59%	18"	TYPE II	-
P-7C	S-7B	S-7C	972.17	972.47	51	49	0.59%	15"	TYPE I	-
P-8	S-8	S-9	972.93	974.16	77	73	1.60%	24"	TYPE II	-
P-8A	S-8	S-8A	973.93	974.12	31	28	0.61%	12"	TYPE I	-
P-9	S-9	S-10	974.66	975.58	30	28	3.07%	18"	TYPE II	-
P-9A	S-9	S-9A	975.16	976.06	22	18	4.09%	12"	TYPE II	-
P-9B	S-9A	S-9B	976.06	976.50	13	11	3.38%	12"	TYPE I	-
P-11	S-3A	S-12	957.03	960.73	187	183	1.98%	42"	TYPE I	-
P-12	S-11	S-12	960.24	961.23	141	137	0.70%	36"	TYPE II	-
P-12A	S-12	S-12A	961.23	963.14	25	22	7.64%	36"	TYPE II	-
P-13	S-12	S-13	961.23	967.04	457	453	1.27%	36"	TYPE II	-
P-14	S-13	S-14	967.04	969.76	269	265	1.01%	36"	TYPE II	-
P-14A	S-14	S-14A	969.76	972.04	68	66	3.35%	36"	TYPE I	-
P-15	S-14	S-15	969.76	971.88	225	222	0.94%	36"	TYPE I	-
P-15A	S-15	S-15A	972.88	973.21	66	65	0.50%	24"	TYPE I	-
P-16	S-15	S-16	972.88	978.33	106	104	5.14%	24"	TYPE I	-

SPECIFIC NOTES

(1) CONNECT 36" STM TO EAST

(2) TOP OF CASTING FOR R-2560-D7 IS 7 INCHES ABOVE PROPOSED GRADE

*** (3) BOX OUT TO NORTH FOR FUTURE PRIVATE 12" CONNECTION**

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.

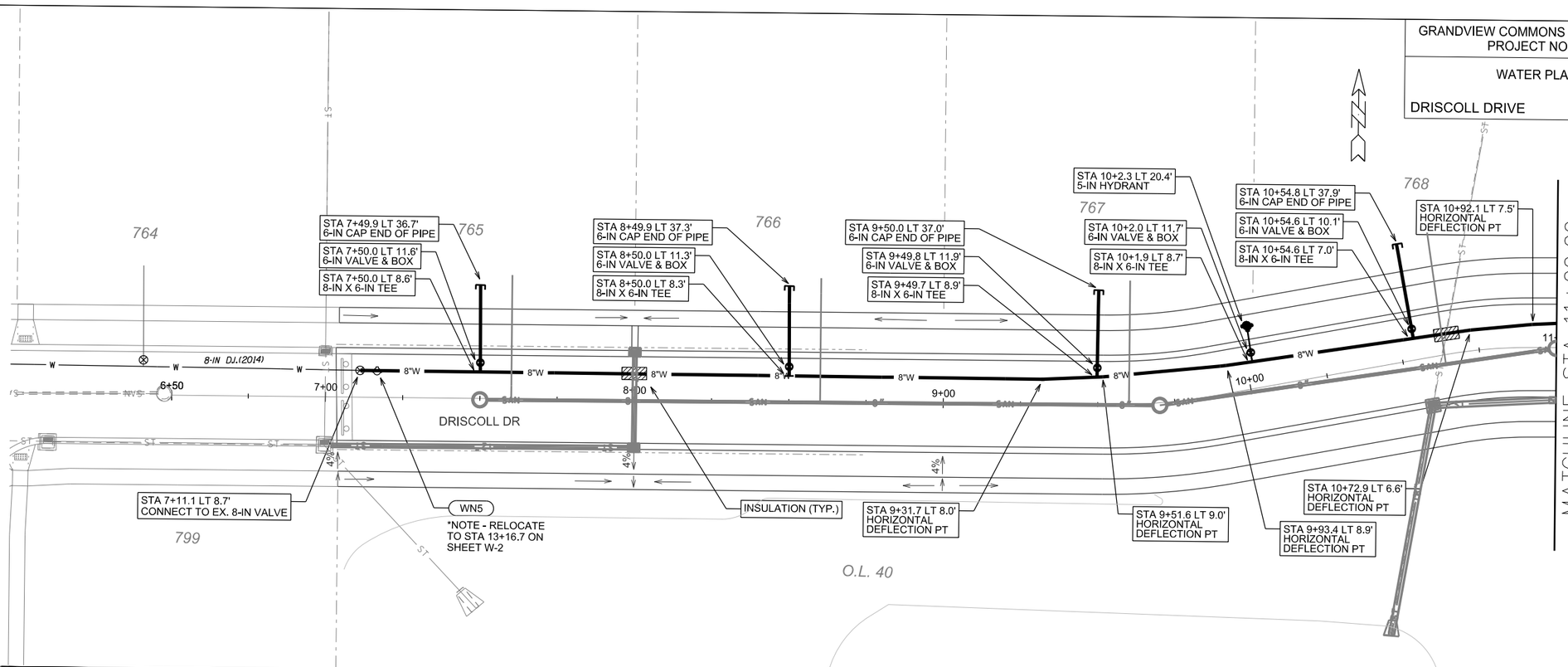
GRANDVIEW COMMONS NORTH - PHASE 6
PROJECT NO. 11911

SHEET NO. W-1

WATER PLAN AND PROFILE

DRISCOLL DRIVE

CITY OF MADISON



GENERAL REQUIREMENTS - PROPOSED WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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DATE: 8/9/2018

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

GRANDVIEW COMMONS NORTHEAST - PH 1
PROJECT NO. 11912

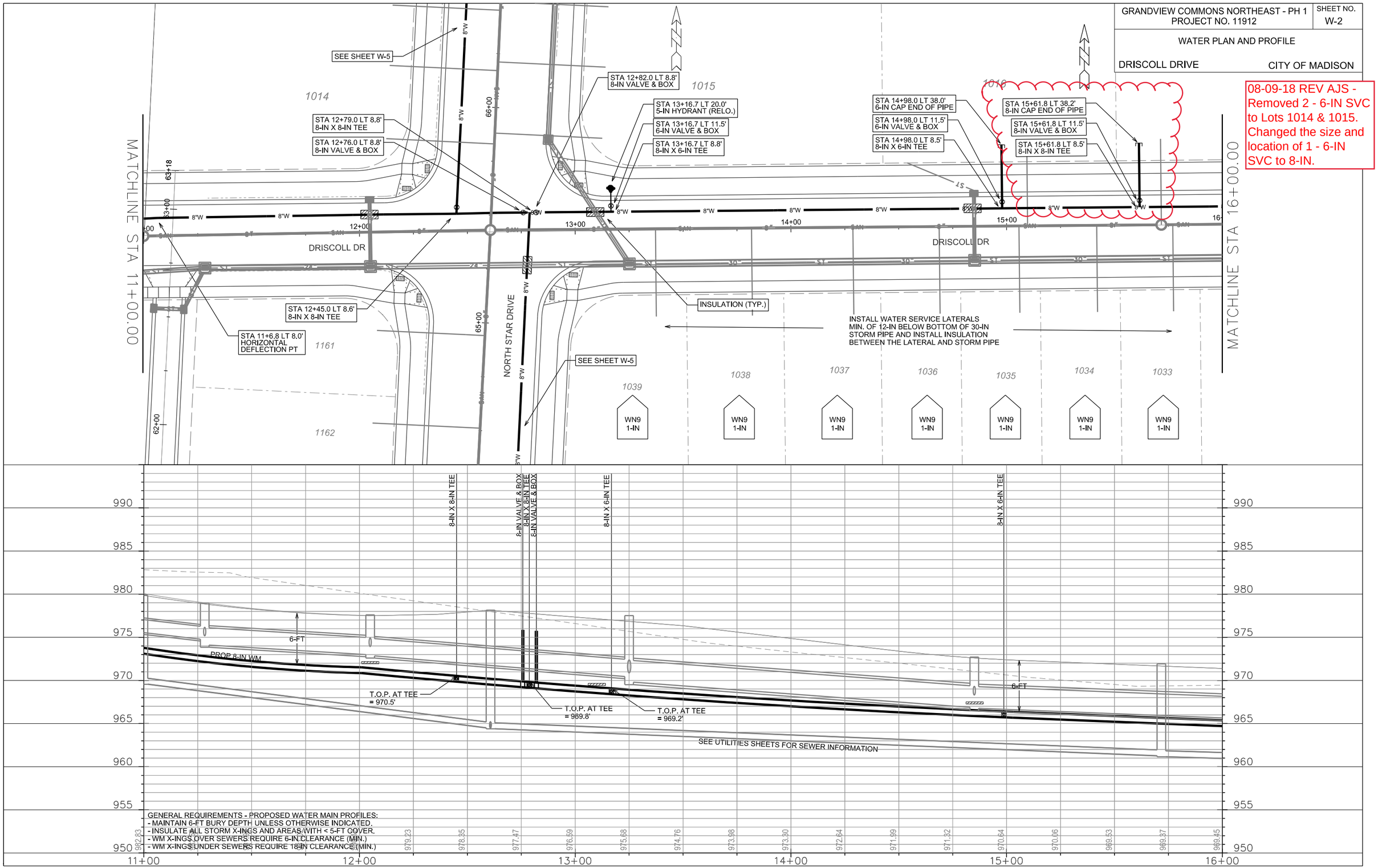
SHEET NO. W-2

WATER PLAN AND PROFILE

DRISCOLL DRIVE

CITY OF MADISON

08-09-18 REV AJS - Removed 2 - 6-IN SVC to Lots 1014 & 1015. Changed the size and location of 1 - 6-IN SVC to 8-IN.



GENERAL REQUIREMENTS - PROPOSED WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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

FILE NAME: M:\DESIGN\Projects\11912\Water\Design\11912WU-02PnPDD2.dgn

DATE: 8/9/2018

GRANDVIEW COMMONS NORTHEAST - PH 1
PROJECT NO. 11912

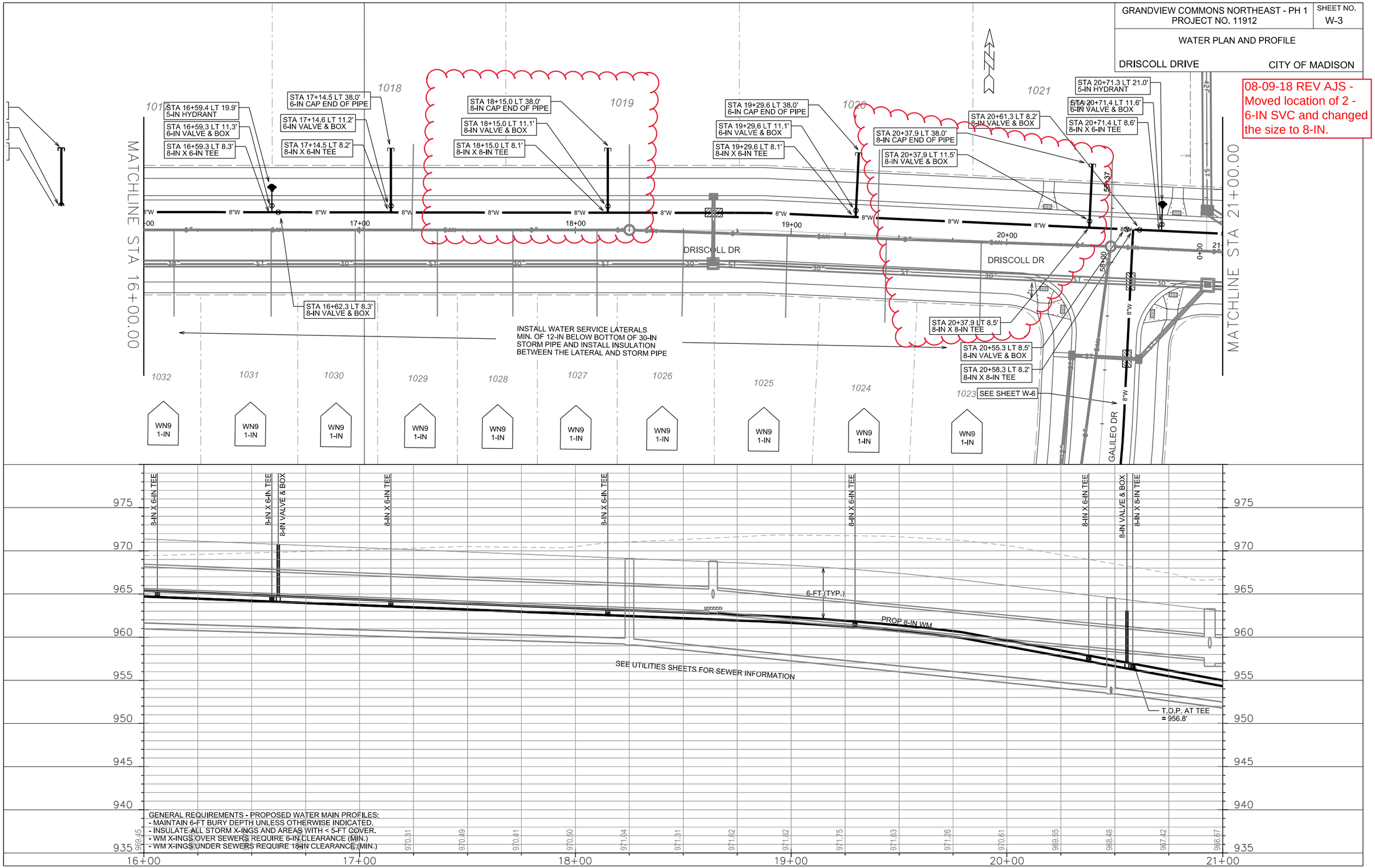
SHEET NO. W-3

WATER PLAN AND PROFILE

DRISCOLL DRIVE

CITY OF MADISON

08-09-18 REV AJS - Moved location of 2 - 6-IN SVC and changed the size to 8-IN.



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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

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DATE: 8/9/2018

GRANDVIEW COMMONS NORTHEAST - PH 1
PROJECT NO. 11912

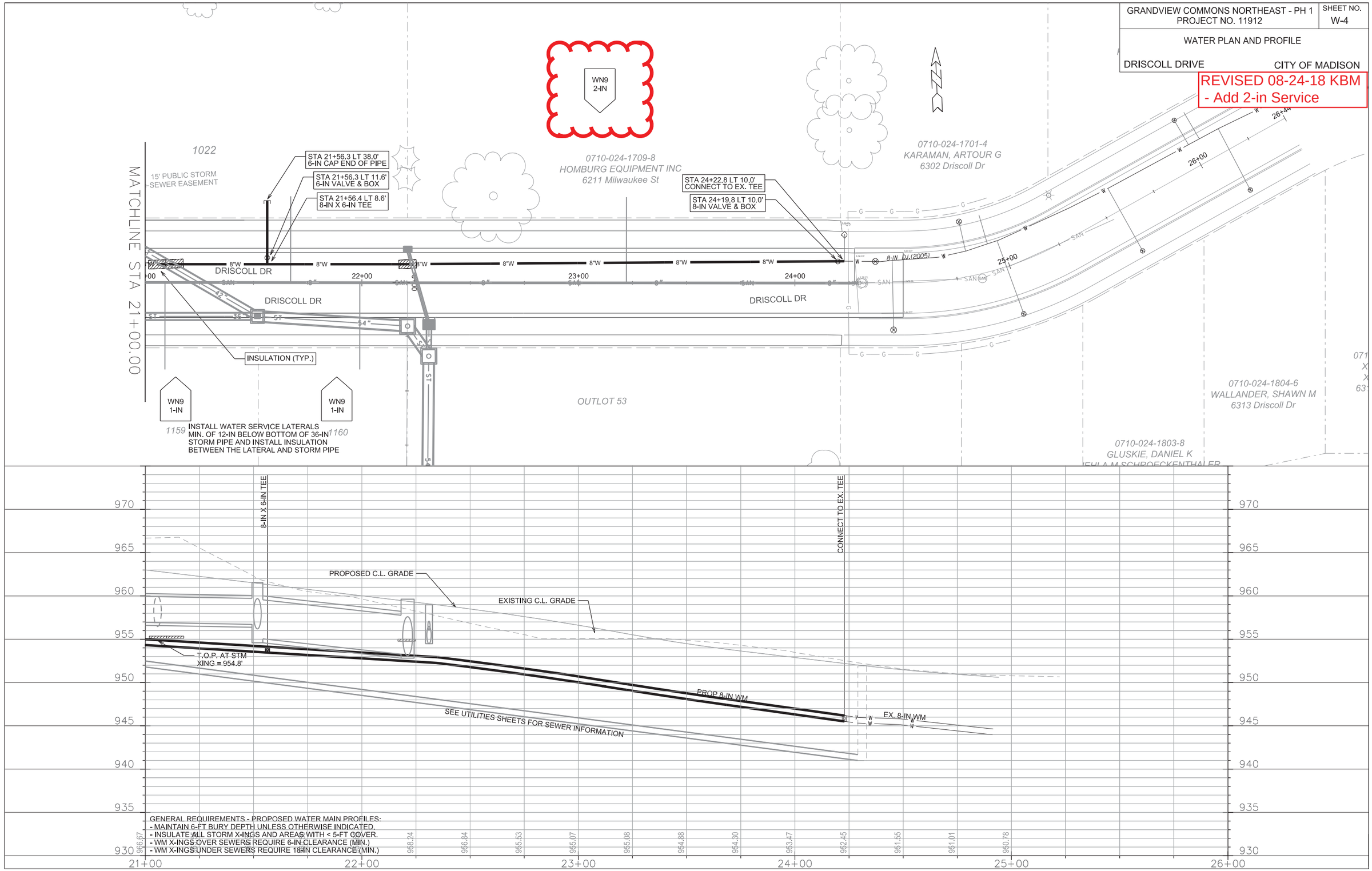
SHEET NO. W-4

WATER PLAN AND PROFILE

DRISCOLL DRIVE

CITY OF MADISON

REVISED 08-24-18 KBM
- Add 2-in Service



GENERAL REQUIREMENTS - PROPOSED WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
- INSULATE ALL STORM X-INGS AND AREAS WITH < 5-FT COVER.
- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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

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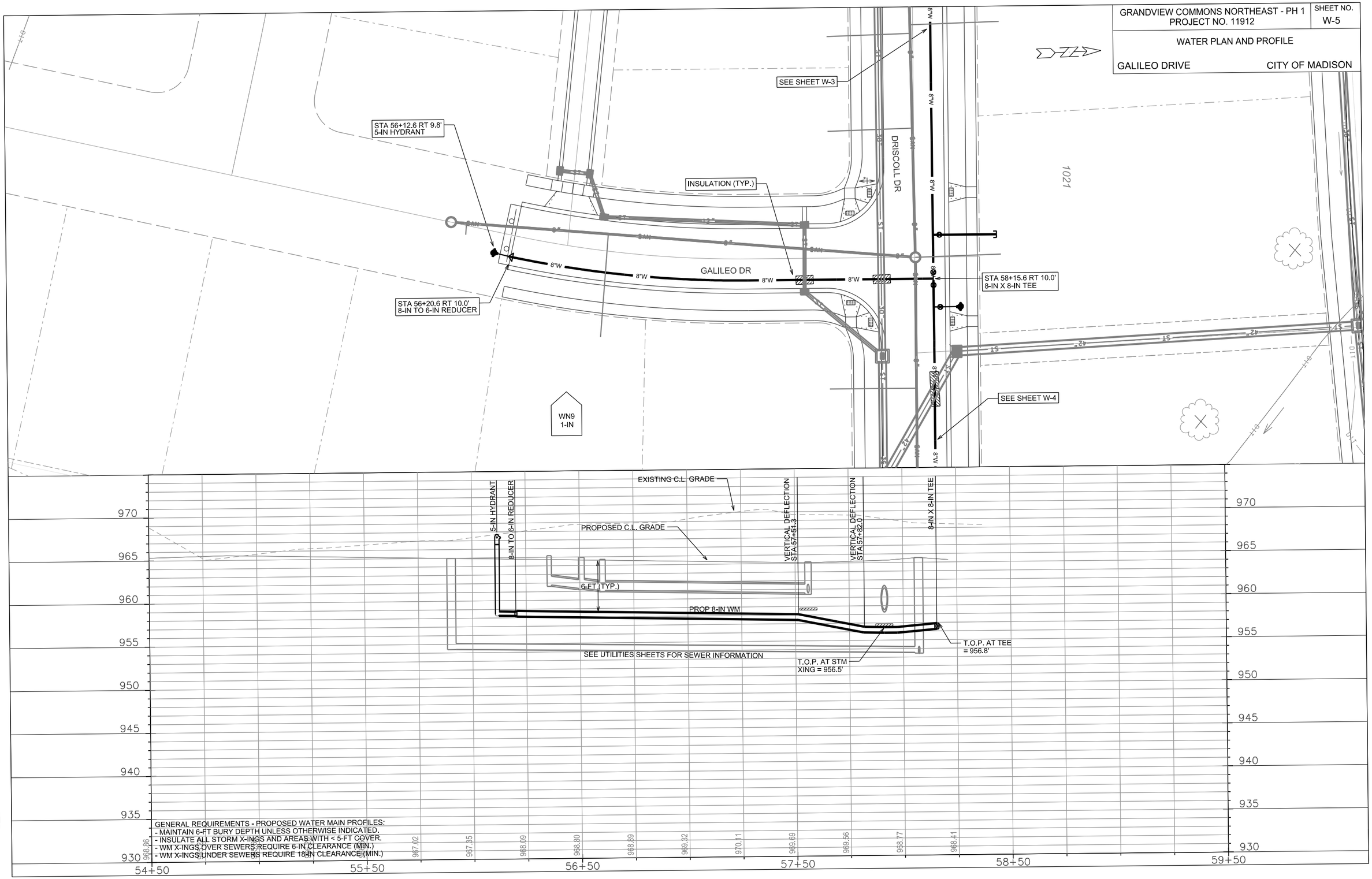
DATE: 8/24/2018

GRANDVIEW COMMONS NORTHEAST - PH 1
PROJECT NO. 11912

SHEET NO. W-5

WATER PLAN AND PROFILE

GALILEO DRIVE — CITY OF MADISON



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- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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

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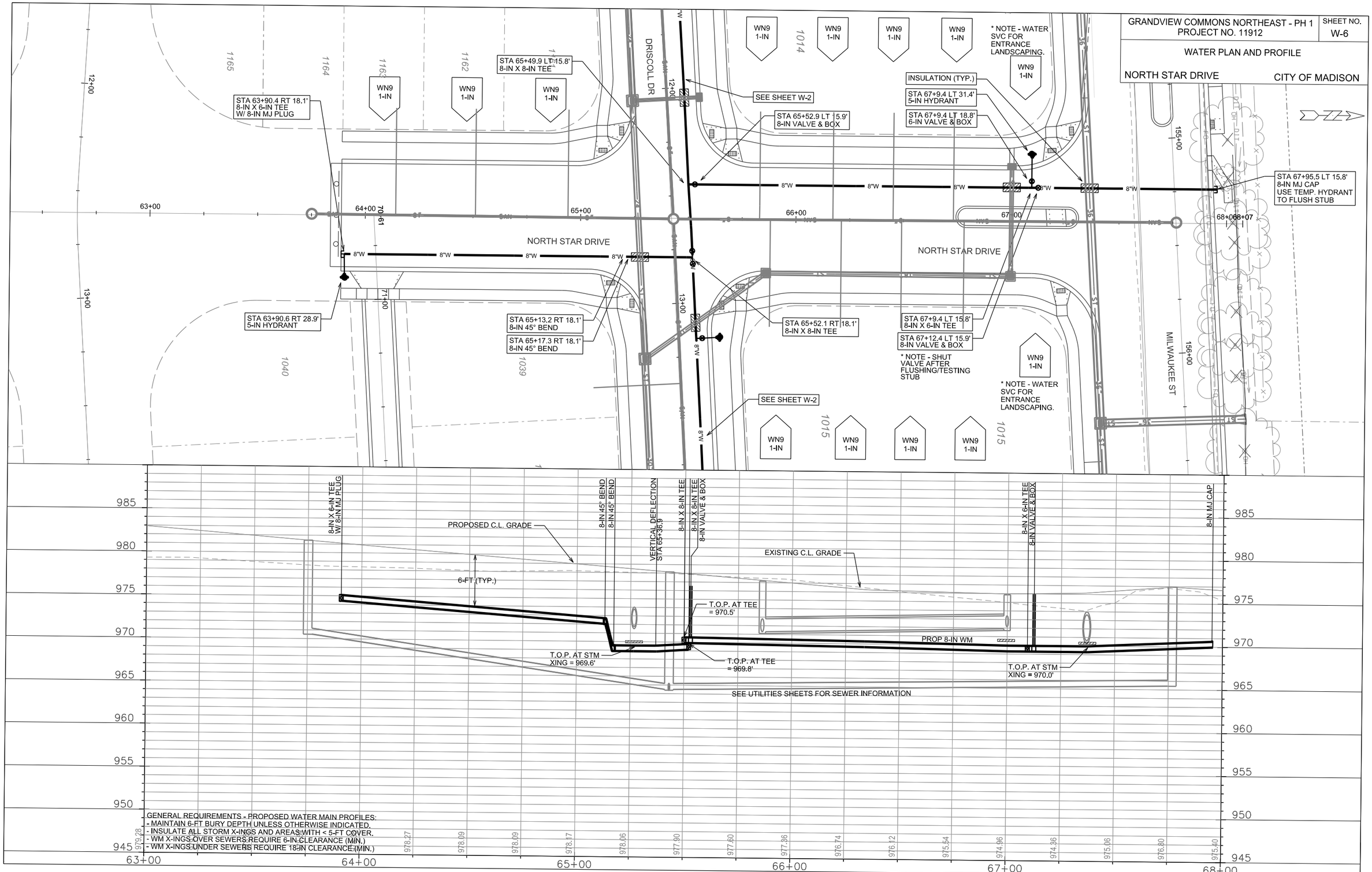
DATE: 8/9/2018

GRANDVIEW COMMONS NORTHEAST - PH 1
PROJECT NO. 11912

SHEET NO. W-6

WATER PLAN AND PROFILE

NORTH STAR DRIVE — CITY OF MADISON



GENERAL REQUIREMENTS - PROPOSED WATER MAIN PROFILES:
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- WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
- WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

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

FILE NAME: M:\DESIGN\Projects\11912\Water\Design\11912WU-06PnPNSD1.dgn

DATE: 8/9/2018

GRANDVIEW COMMONS NORTHEAST - PH 1 PROJECT NO. 11912	SHEET NO. W-7
WATER ESTIMATE OF MATERIALS	
N STAR DR, GALILEO DR, DRISCOLL DR	CITY OF MADISON

08-09-18 REV AJS - Updated materials estimate.

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.

ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

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

240-FT - 6-IN PIPE
2400-FT - 8-IN PIPE

14 - 6-IN VALVE & BOX
10 - 8-IN VALVE & BOX

15 - 8-IN X 6-IN TEE
5 - 8-IN X 8-IN TEE

2 - 8-IN 45° BEND

1 - 8-IN X 6-IN REDUCER

1 - 8-IN MJ PLUG
9 - 6-IN MJ CAP
3 - 8-IN MJ CAP

6 - 5-IN HYDRANT

256-FT - 2-IN STYROFOAM INSULATION

3250-FT - POLY WRAP

1-IN TO 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

ESTIMATE OF MATERIALS REUSED:

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

1 - 5-IN HYDRANT

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

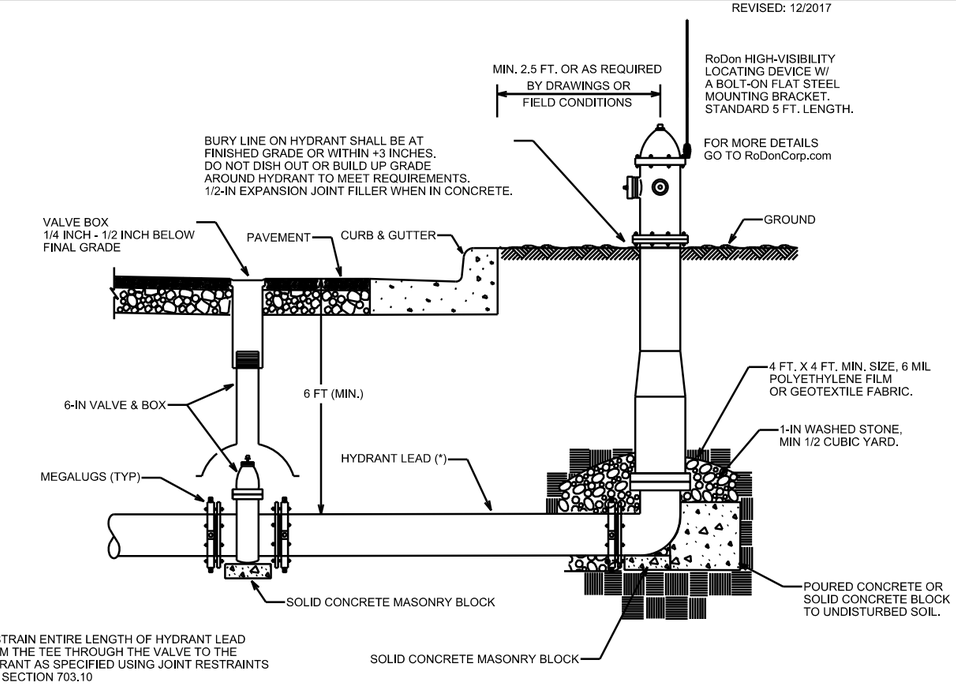
WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

MEMBER ONE CALL SYSTEMS INTERNATIONAL

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: 12/2017



NOTE:

(*) RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

CITY OF MADISON WATER UTILITY	NOT TO SCALE	TYPICAL HYDRANT INSTALLATION

City of Madison Standard Specifications for Public Works Construction

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

FILE NAME: M:\DESIGN\Projects\11912\Water\Design\11912WU-Materials##.dgn DATE: 8/9/2018

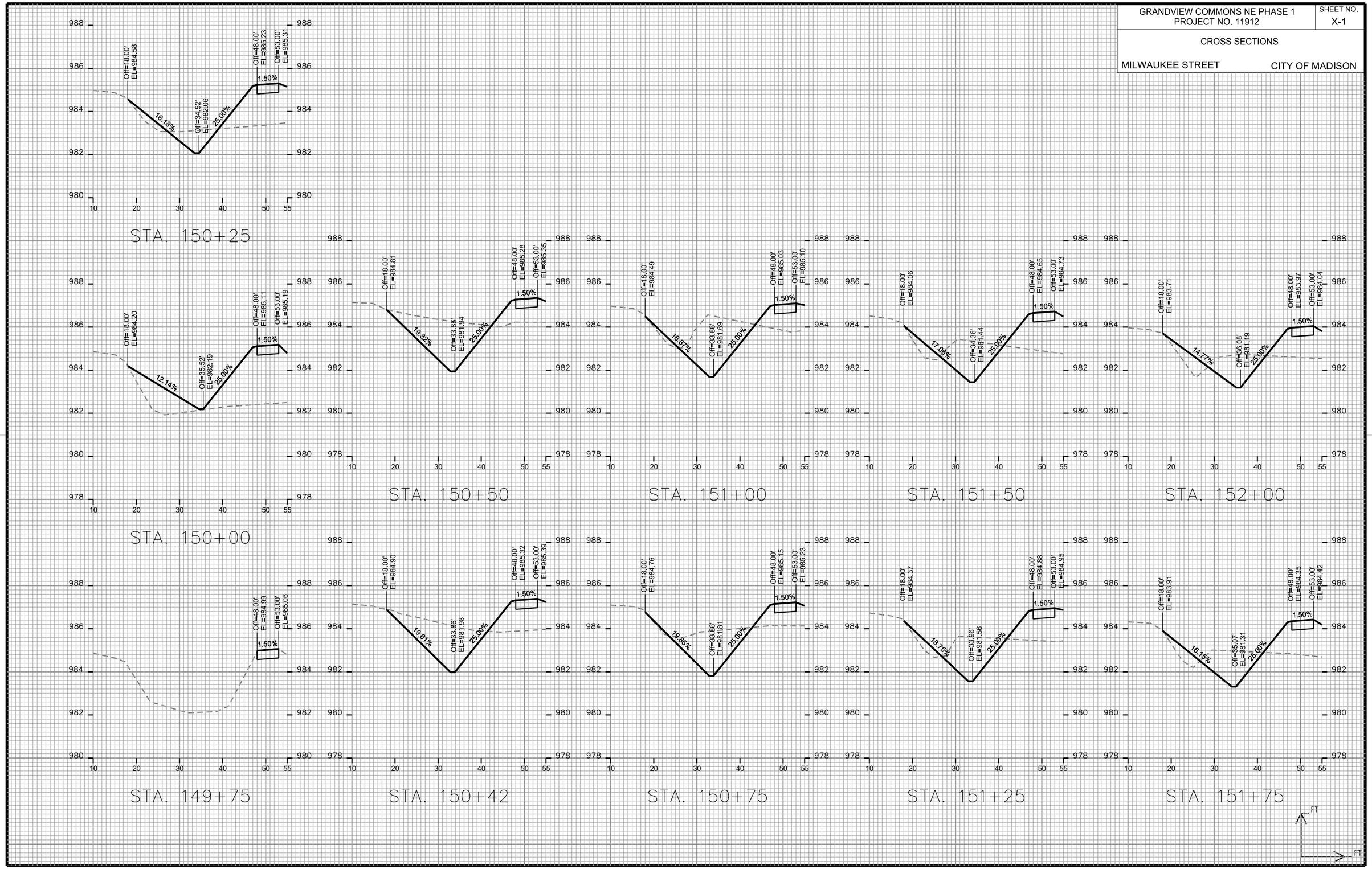
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-1

CROSS SECTIONS

MILWAUKEE STREET

CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

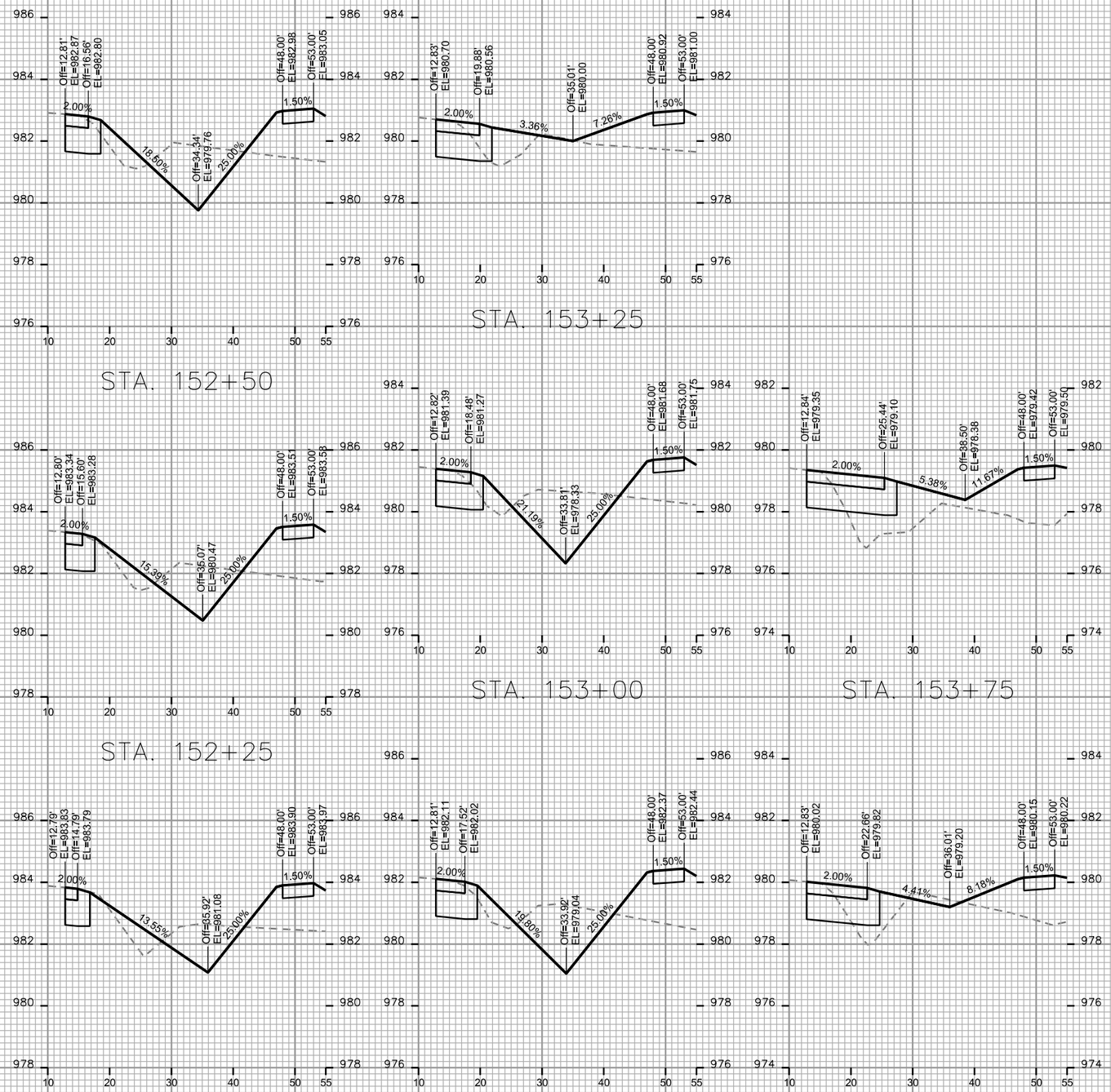
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-2

CROSS SECTIONS

MILWAUKEE STREET

CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

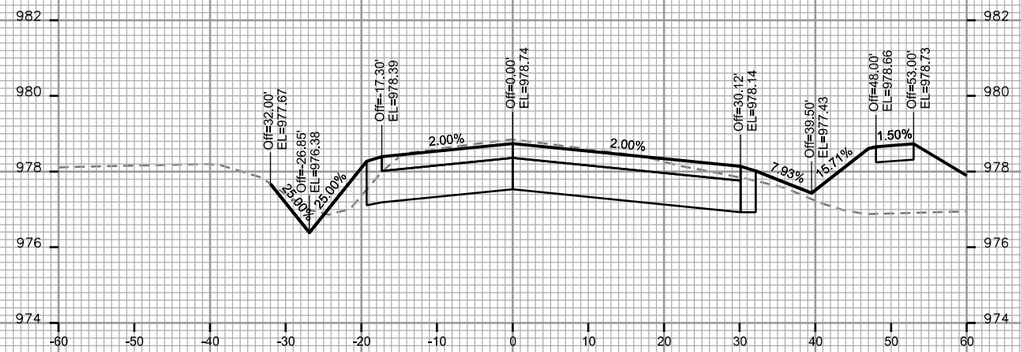
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

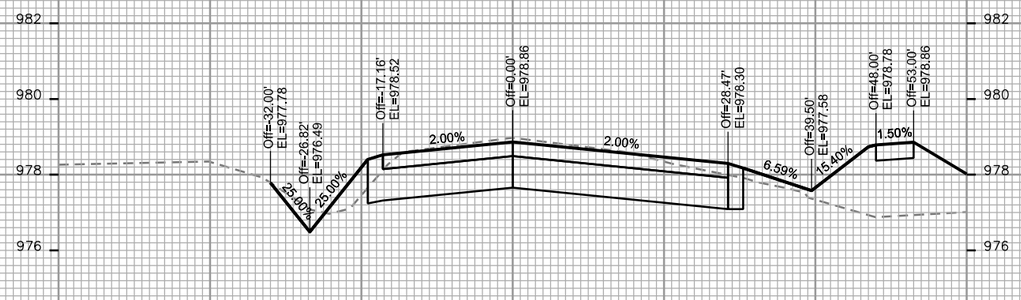
FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

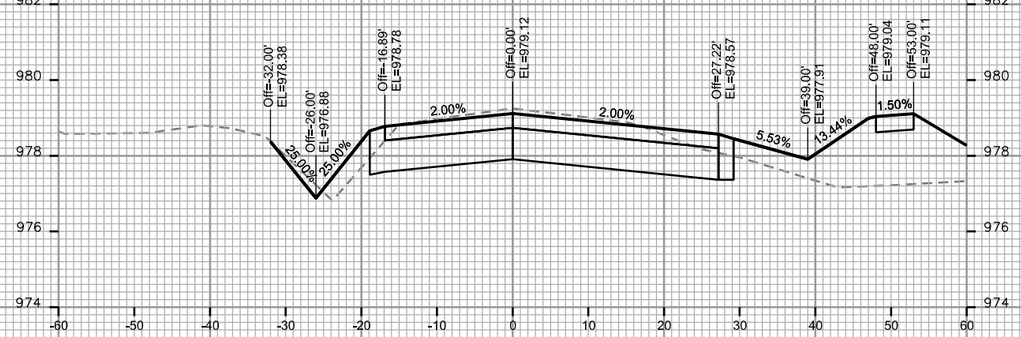
GRANDVIEW COMMONS NE PHASE 1 PROJECT NO. 11912	SHEET NO. X-3
CROSS SECTIONS	
MILWAUKEE STREET	CITY OF MADISON



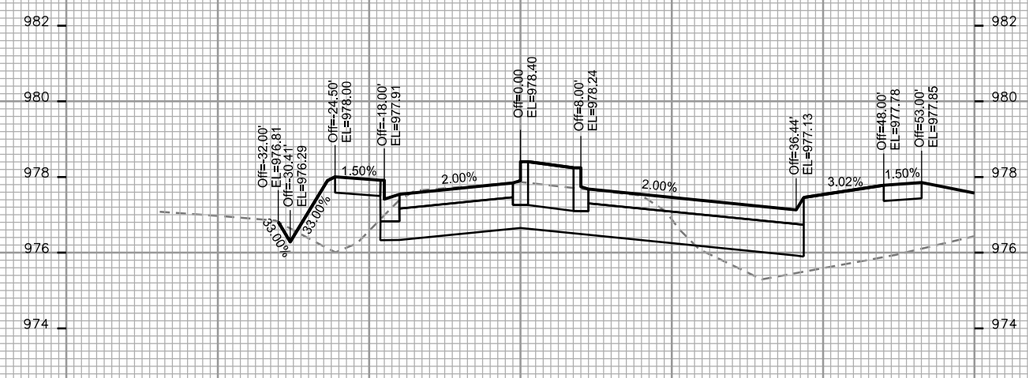
STA. 154+05



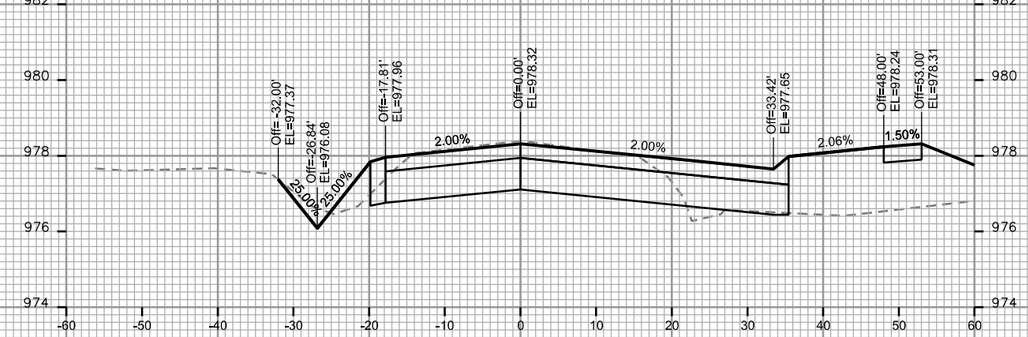
STA. 154+00



STA. 153+90



STA. 154+50



STA. 154+25

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

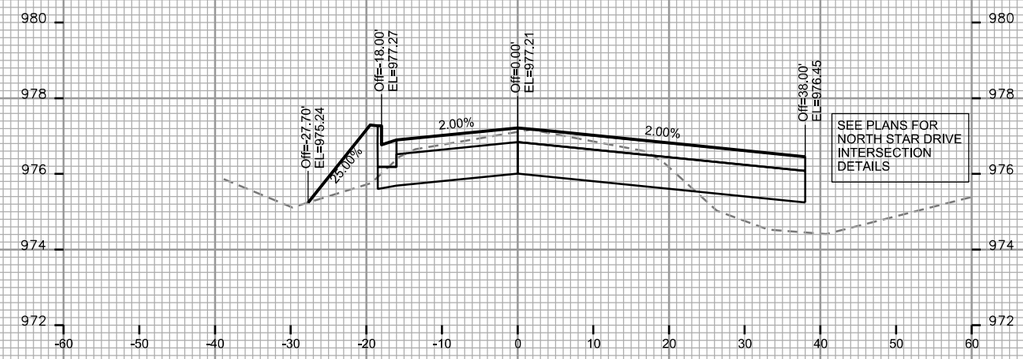
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-4

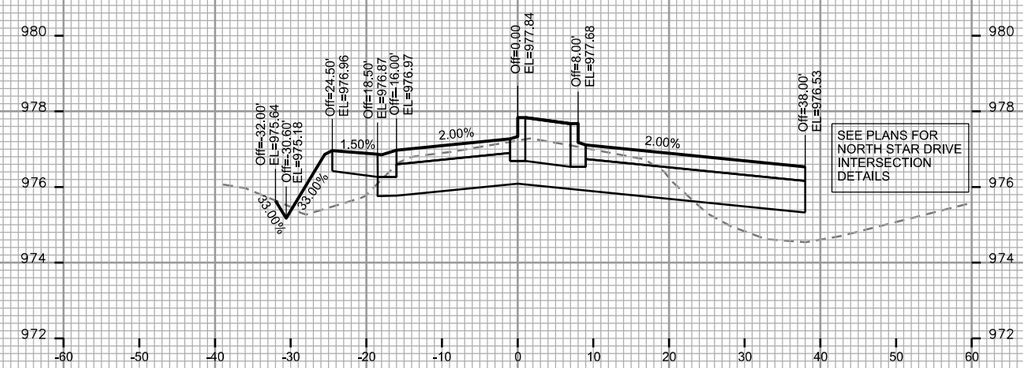
CROSS SECTIONS

MILWAUKEE STREET

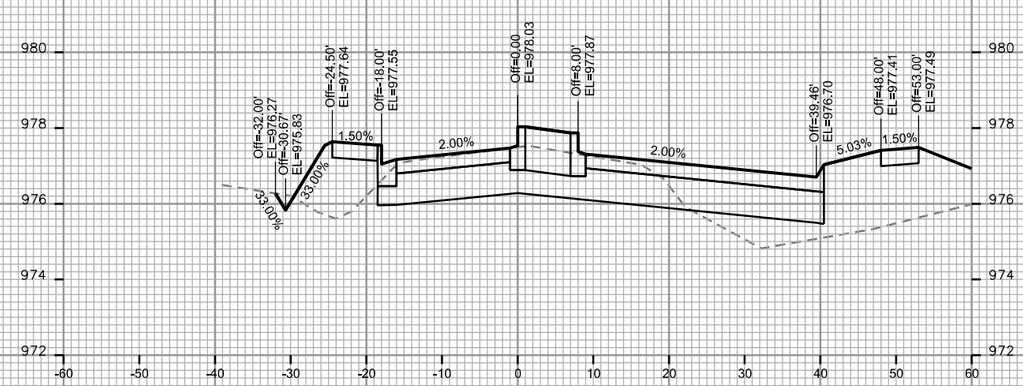
CITY OF MADISON



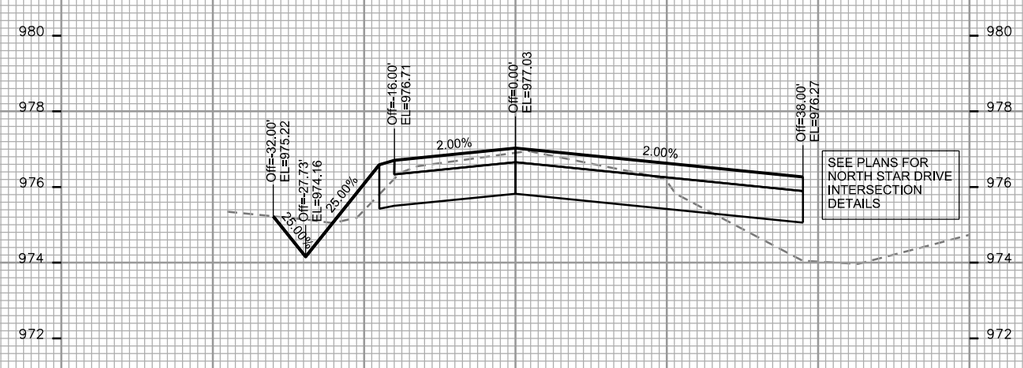
STA. 155+00



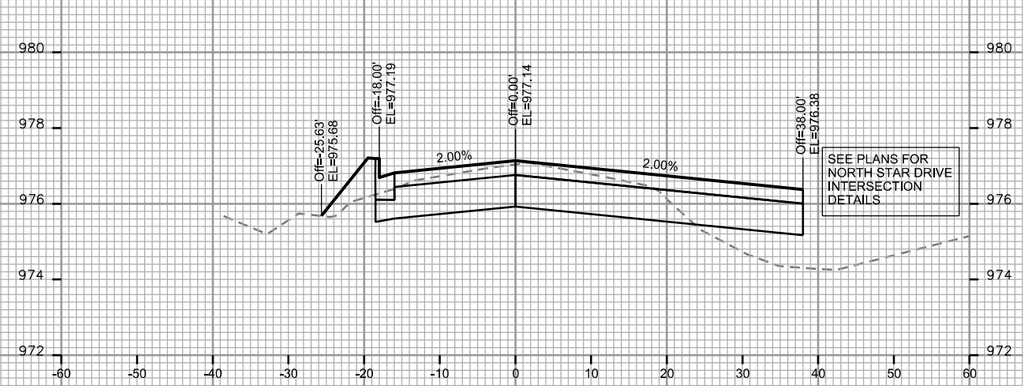
STA. 154+92



STA. 154+75



STA. 155+25



STA. 155+09

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

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

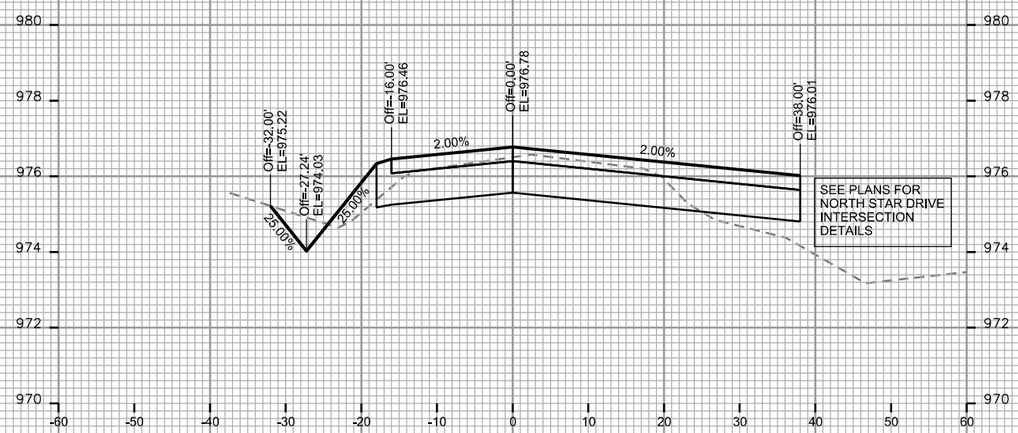
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO.
X-5

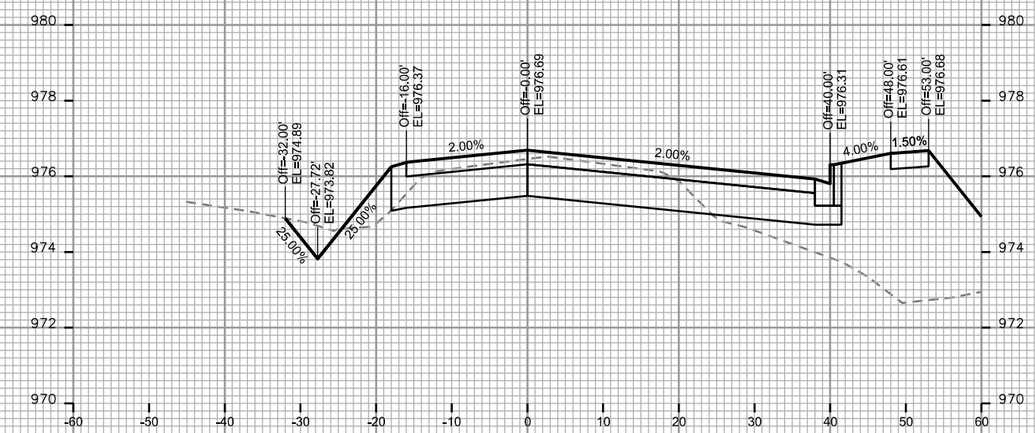
CROSS SECTIONS

MILWAUKEE STREET

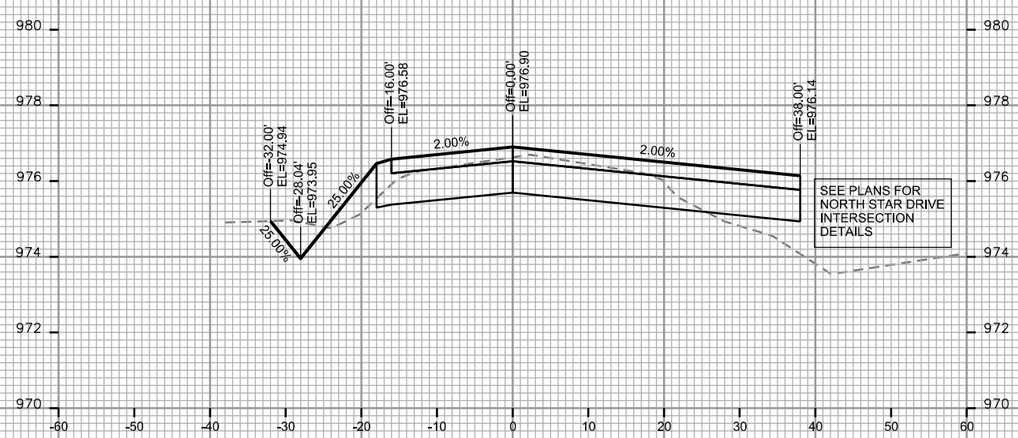
CITY OF MADISON



STA. 155+75



STA. 155+92



STA. 155+50

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

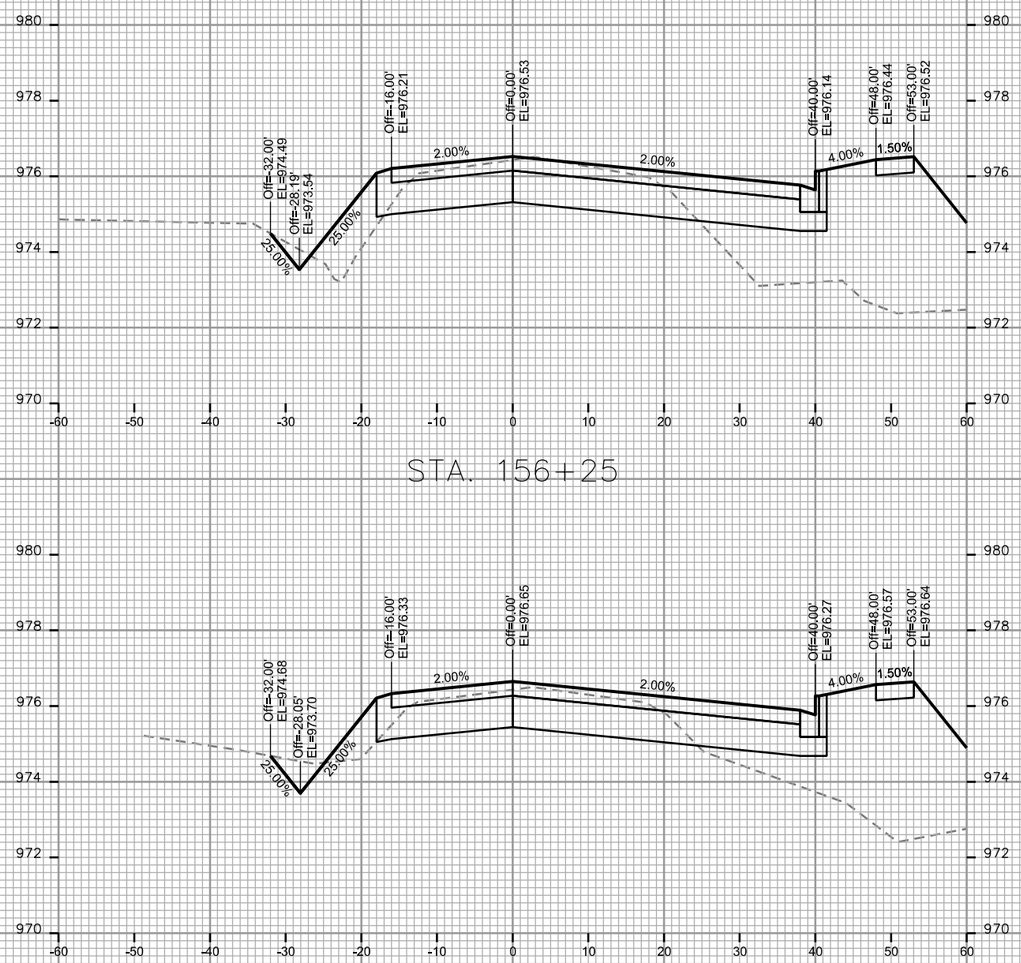
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-6

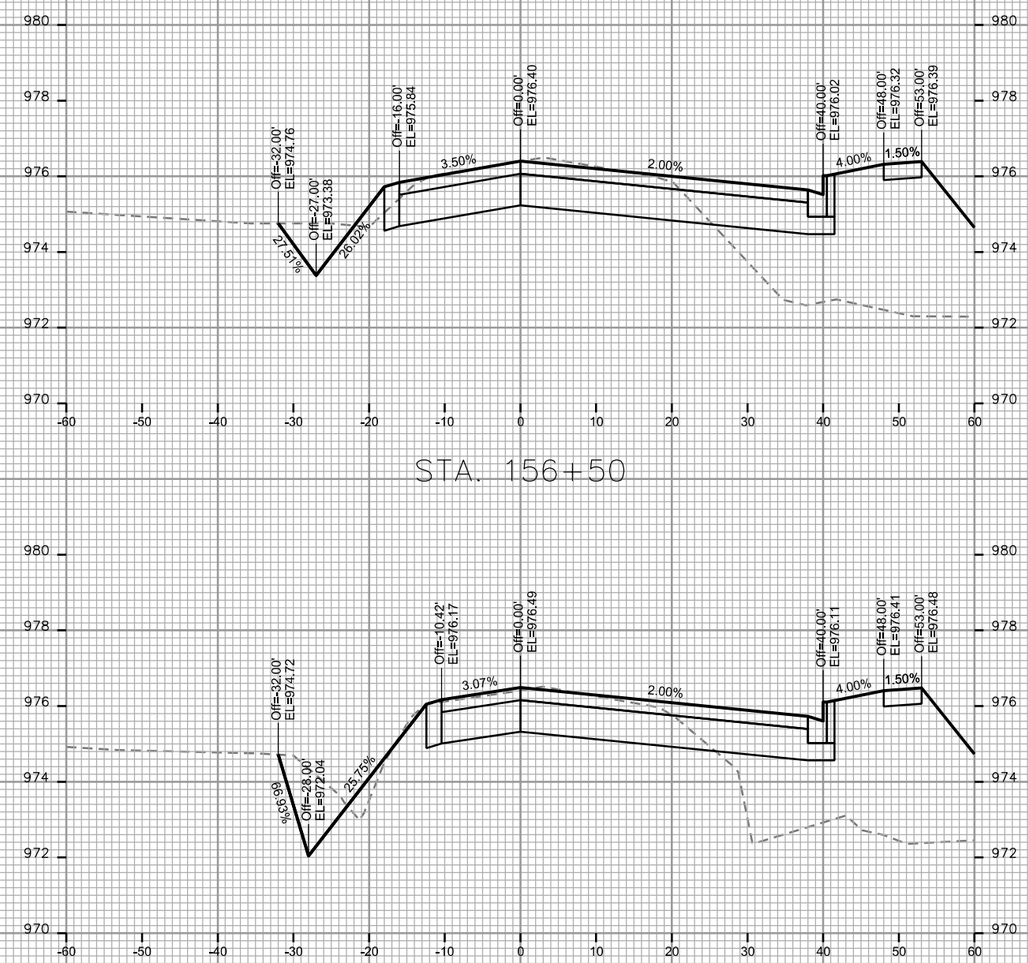
CROSS SECTIONS

MILWAUKEE STREET

CITY OF MADISON



STA. 156+25



STA. 156+50

STA. 156+00

STA. 156+32

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

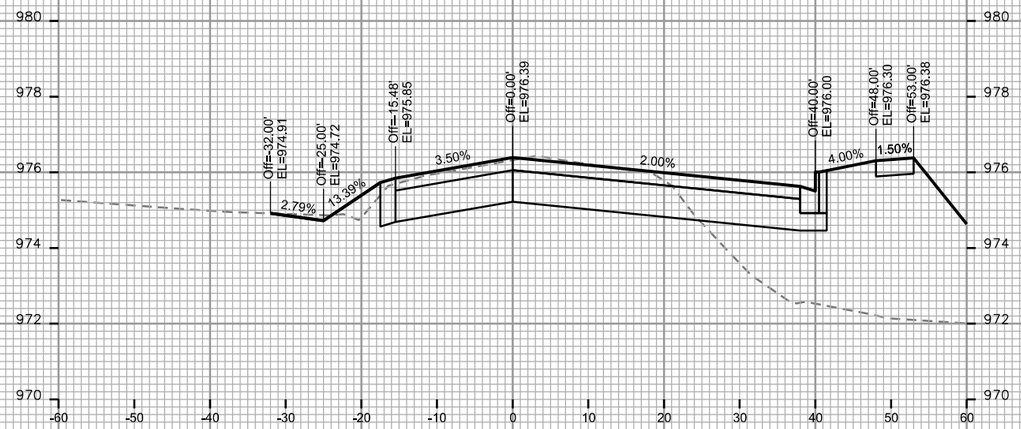
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-7

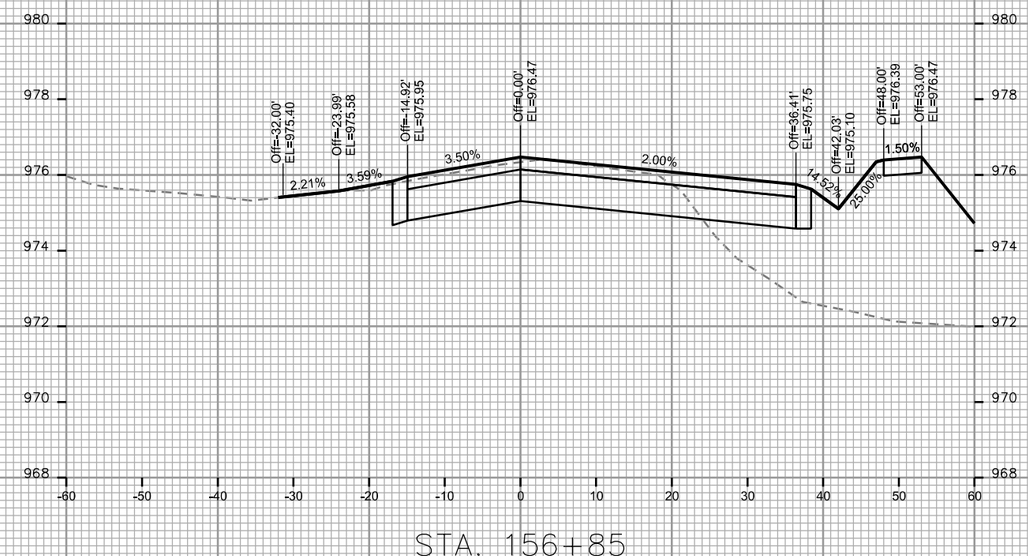
CROSS SECTIONS

MILWAUKEE STREET

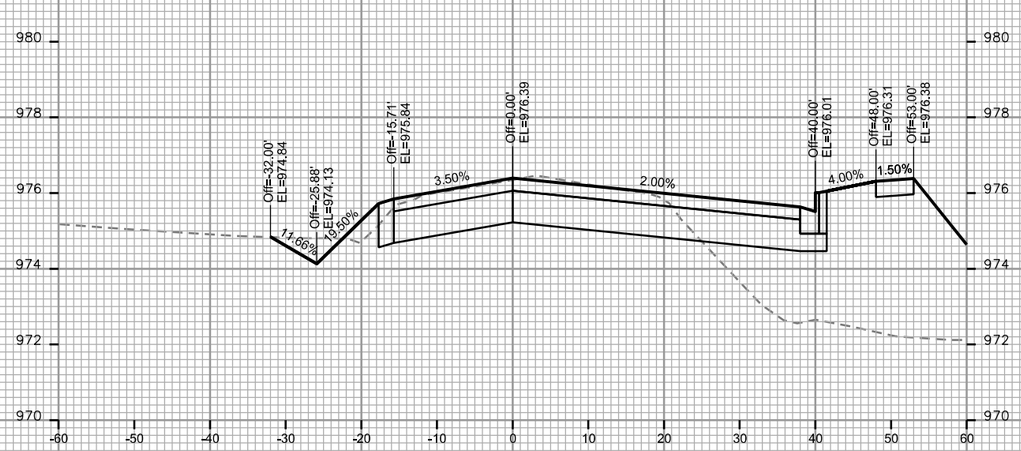
CITY OF MADISON



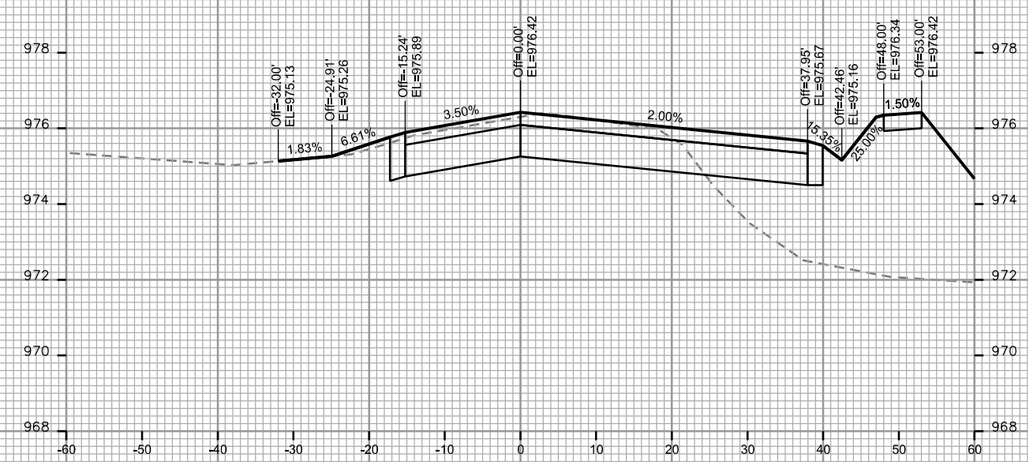
STA. 156+68



STA. 156+85



STA. 156+60



STA. 156+75

FT

FT

PLOT SCALE: ____

PLOT NAME: ____

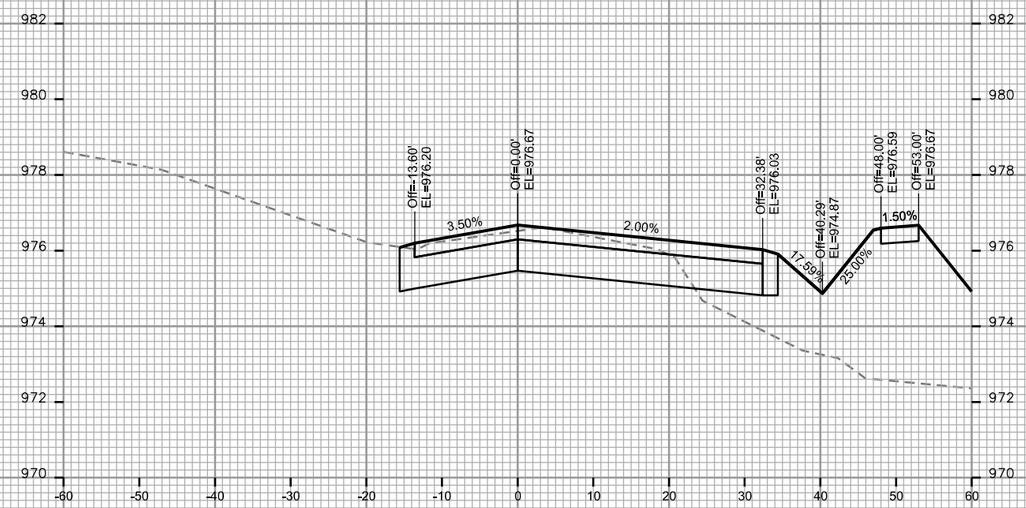
REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

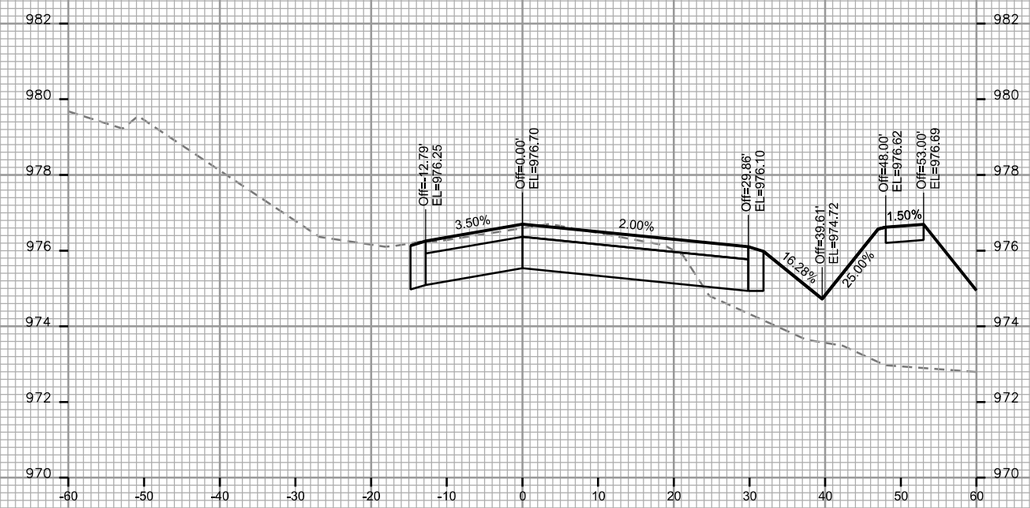
FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

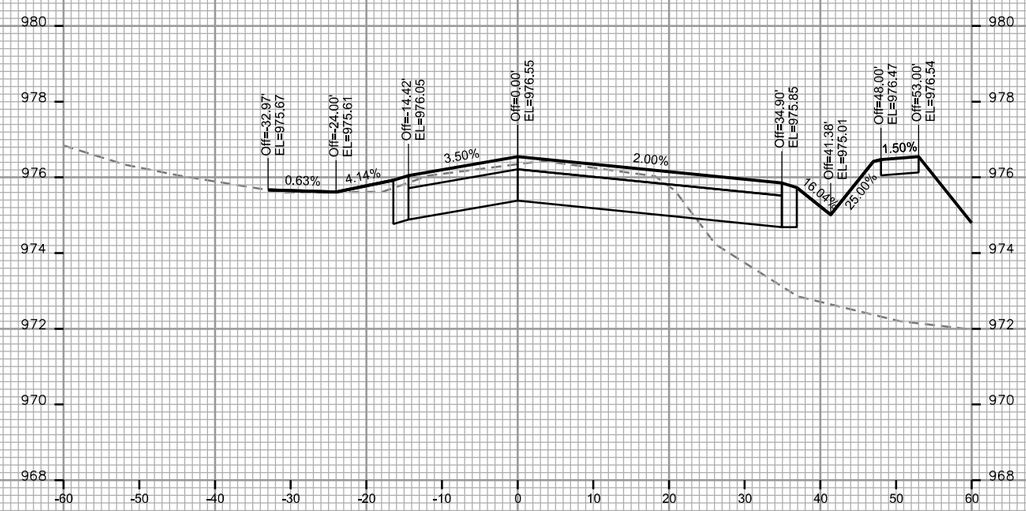
GRANDVIEW COMMONS NE PHASE 1 PROJECT NO. 11912	SHEET NO. X-8
CROSS SECTIONS	
MILWAUKEE STREET	CITY OF MADISON



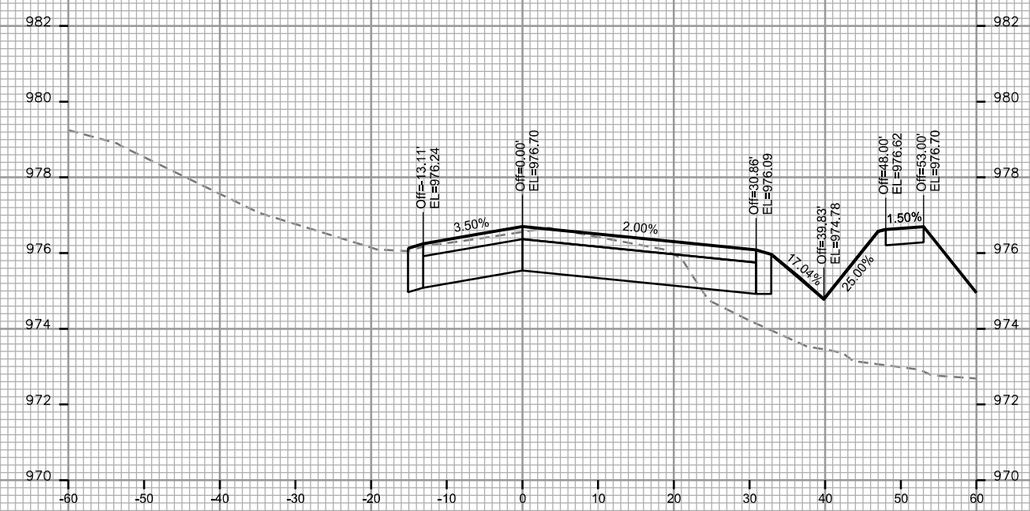
STA. 157+25



STA. 157+50



STA. 157+00



STA. 157+40

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

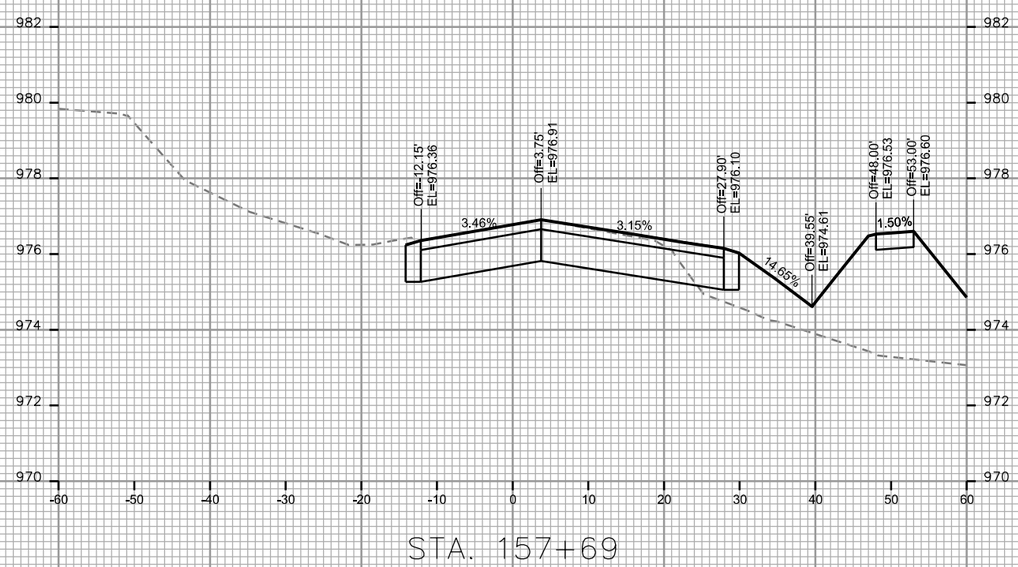
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO.
X-9

CROSS SECTIONS

MILWAUKEE STREET

CITY OF MADISON



STA. 157+69

PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

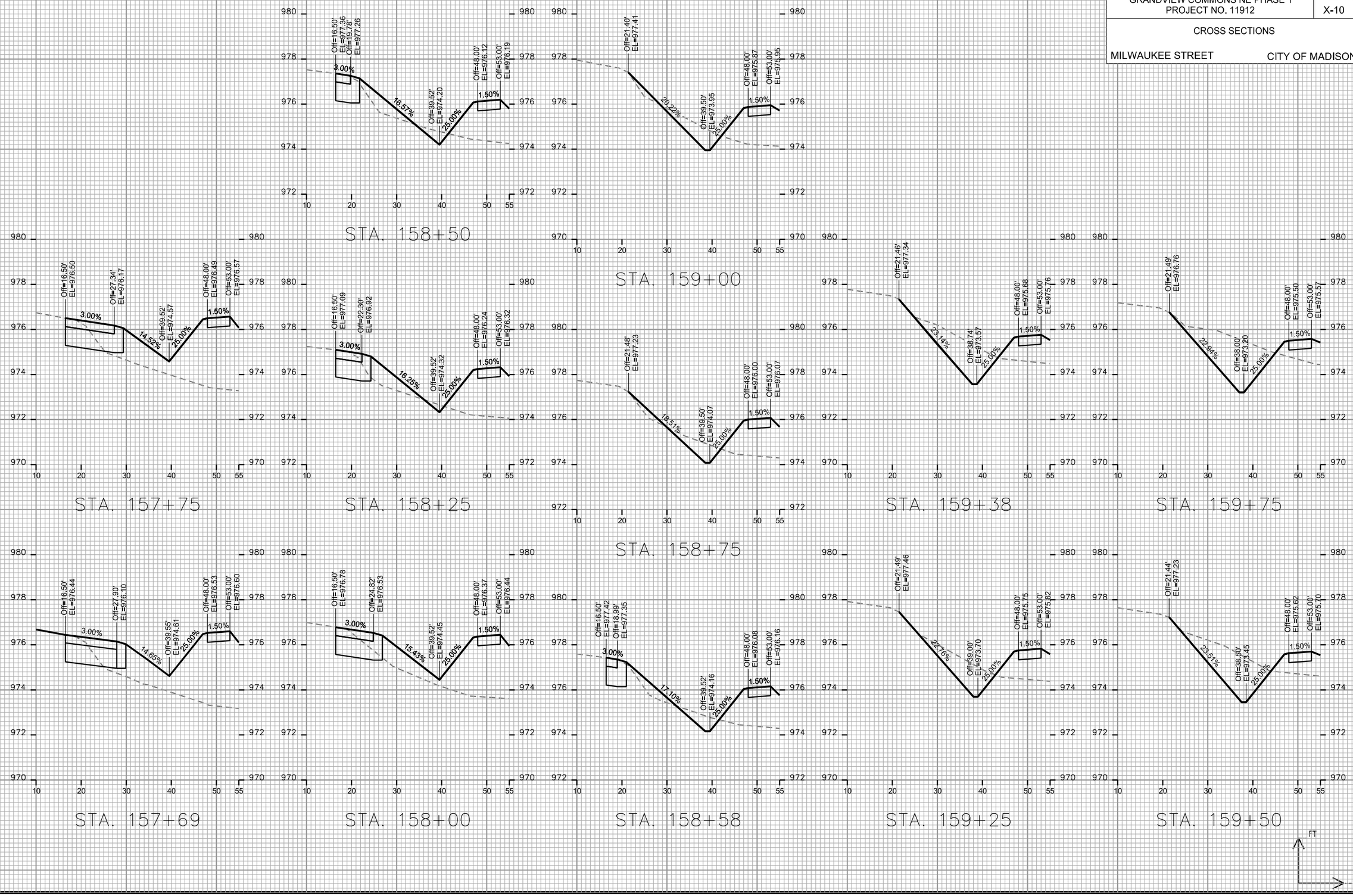
DATE: 7/9/2018

GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-10

CROSS SECTIONS

MILWAUKEE STREET — CITY OF MADISON

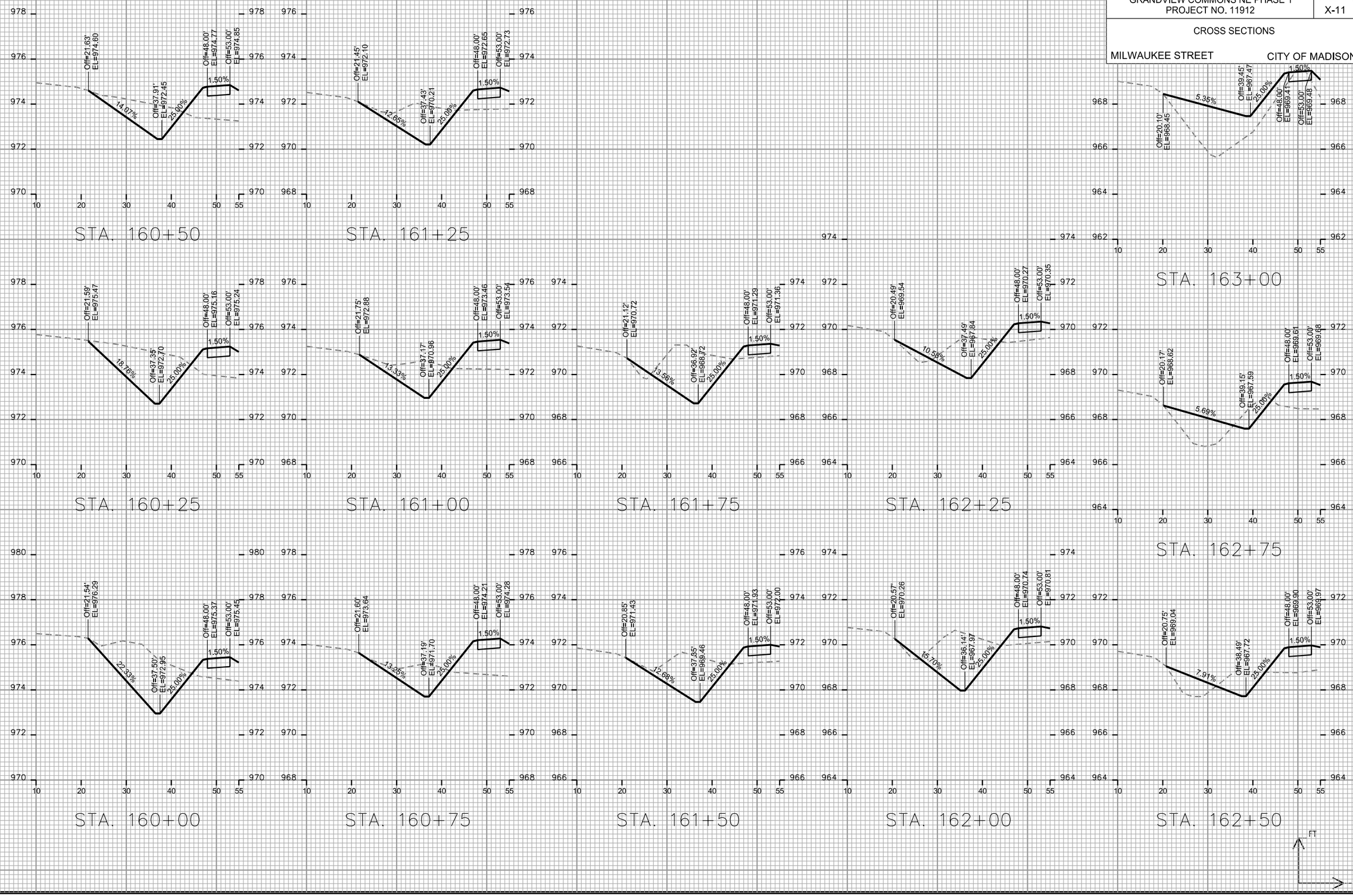


PLOT SCALE: ____
PLOT NAME: ____
REV. DATE: ____
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

GRANDVIEW COMMONS NE PHASE 1 PROJECT NO. 11912	SHEET NO. X-11
CROSS SECTIONS	
MILWAUKEE STREET	CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

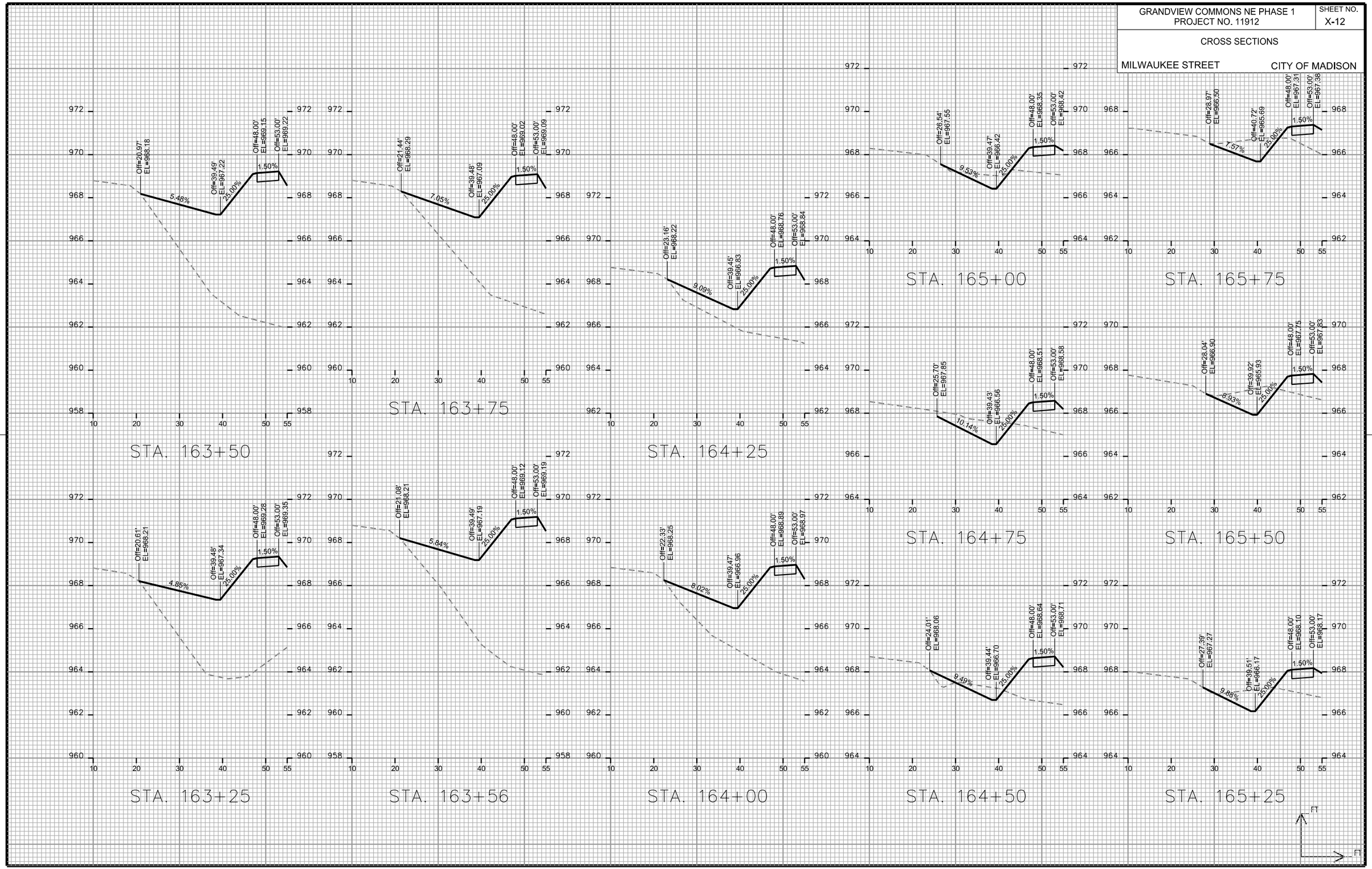
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-12

CROSS SECTIONS

MILWAUKEE STREET

CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018

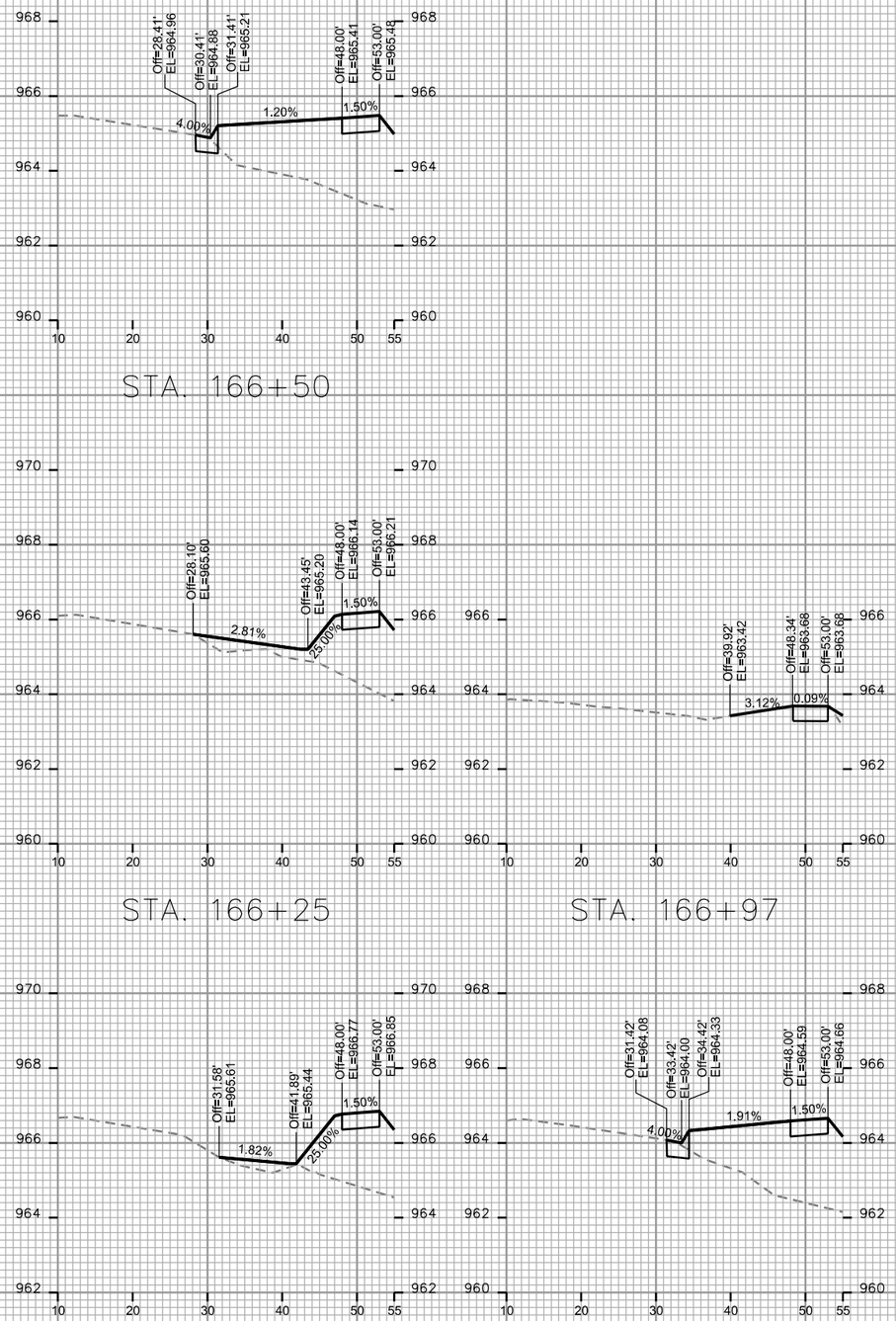
GRANDVIEW COMMONS NE PHASE 1
PROJECT NO. 11912

SHEET NO. X-13

CROSS SECTIONS

MILWAUKEE STREET

CITY OF MADISON



PLOT SCALE: ____

PLOT NAME: ____

REV. DATE: ____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

FILE NAME: M:\DESIGN\Projects\11912\Streets\Design\11912EN-XSection##07-09-18.dgn

DATE: 7/9/2018