

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10

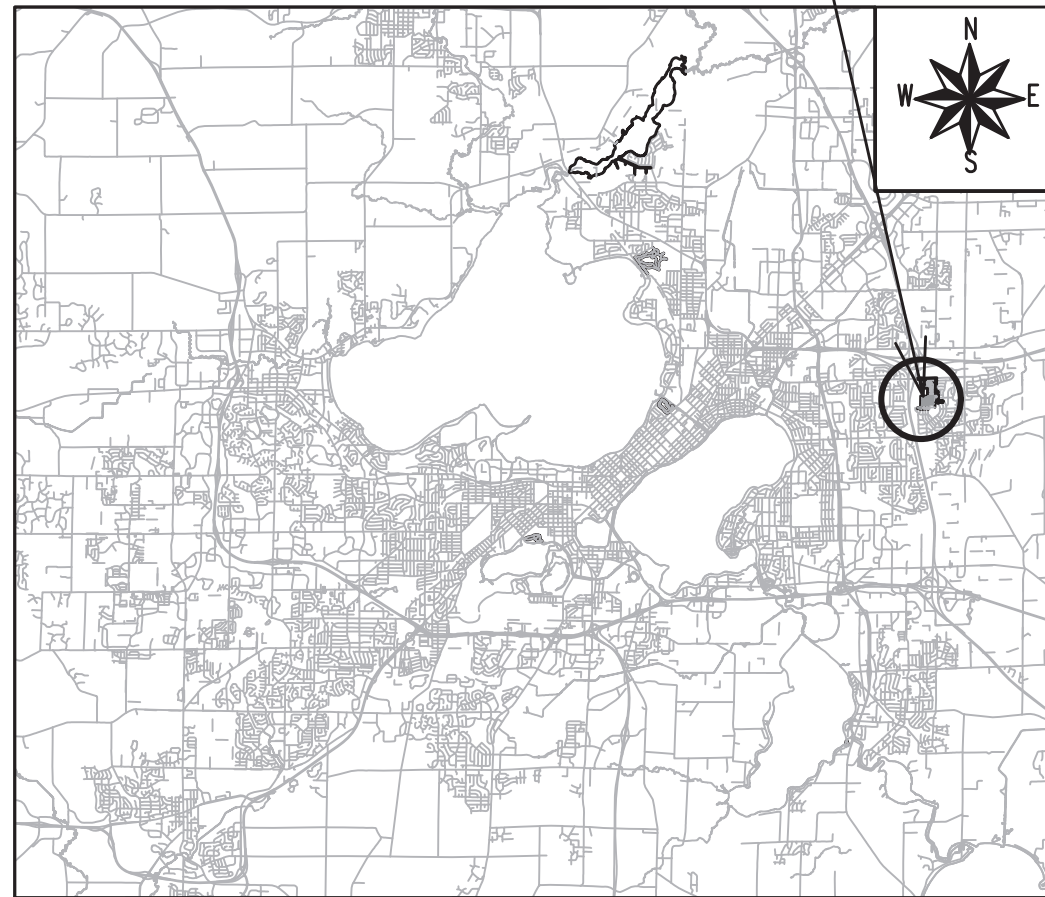
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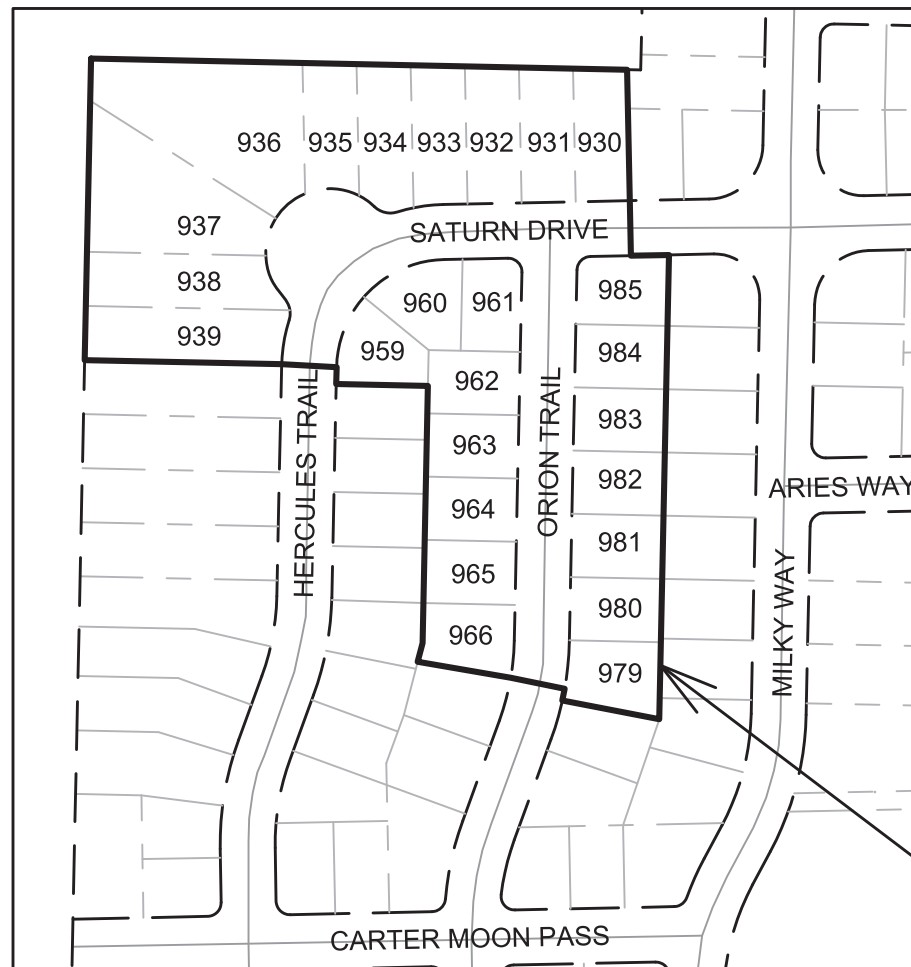
REVISED 11/17/23 BY EMMA ALMY

CITY PROJECT NO. 13854
CONTRACT NO. 9094

PROJECT LOCATION



PHASE LIMITS



PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: JANUARY 3, 2023

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Oct 19, 2023

City Engineer

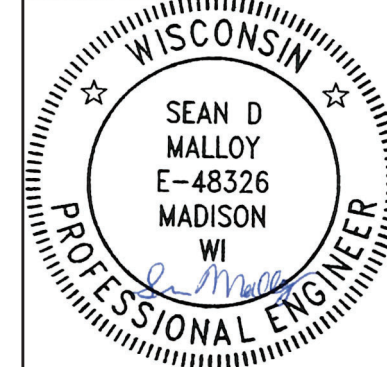
Date

STREET DESIGNED BY:



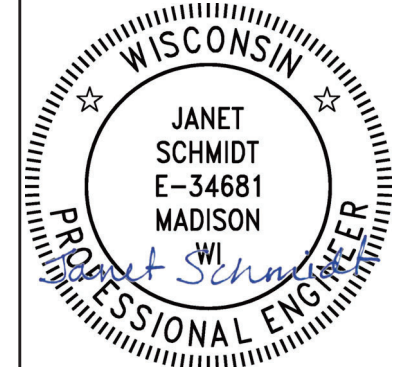
Oct 17, 2023

STREET GEOMETRY DESIGNED BY:



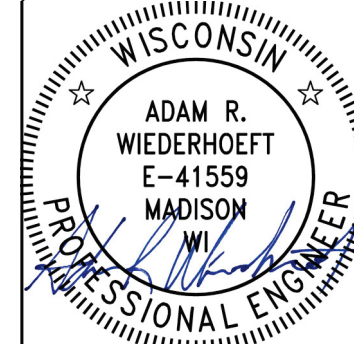
Oct 17, 2023

STORM SEWER DESIGNED BY:



Oct 17, 2023

WATER DESIGNED BY:



Oct 19, 2023

SANITARY SEWER DESIGNED BY:



Oct 17, 2023

PLOT SCALE: 1 IN=1 FT_XREF

PLOT NAME: STREETS-A/C

REV. DATE: 2/21/2023 1:43 PM




ORIGINATOR: CITY_OF_MADISON

ALL PROPOSED STREET TREE REMOVALS WITHIN THE RIGHT OF WAY SHALL BE REVIEWED BY CITY FORESTRY BEFORE THE PLAN COMMISSION MEETING. STREET TREE REMOVALS REQUIRE APPROVAL AND A TREE REMOVAL PERMIT ISSUED BY CITY FORESTRY. ANY STREET TREE REMOVALS REQUESTED AFTER THE DEVELOPMENT PLAN IS APPROVED BY THE PLAN COMMISSION OR THE BOARD OF PUBLIC WORKS AND CITY FORESTRY WILL REQUIRE A MINIMUM OF A 72-HOUR REVIEW PERIOD WHICH SHALL INCLUDE THE NOTIFICATION OF THE ALDERPERSON WITHIN WHO'S DISTRICT IS AFFECTED BY THE STREET TREE REMOVAL(S) PRIOR TO A TREE REMOVAL PERMIT BEING ISSUED.

AS DEFINED BY THE SECTION 107.13 OF CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION: NO EXCAVATION IS PERMITTED WITHIN 5 FEET OF THE TRUNK OF THE STREET TREE OR WHEN CUTTING ROOTS OVER 3 INCHES IN DIAMETER. IF EXCAVATION IS NECESSARY, THE CONTRACTOR SHALL CONTACT MADISON CITY FORESTRY (266-4816) PRIOR TO EXCAVATION. CITY OF MADISON FORESTRY PERSONNEL SHALL ASSESS THE IMPACT TO THE TREE AND TO ITS ROOT SYSTEM PRIOR TO WORK COMMENCING. TREE PROTECTION SPECIFICATIONS CAN BE FOUND ON THE FOLLOWING WEBSITE: [HTTPS://WWW.CITYOFMADISON.COM/BUSINESS/PW/SPECS.CFM](https://www.cityofmadison.com/business/pw/specs.cfm)

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.

CONTACT PROJECT ENGINEER AND STREET DESIGNER EMMA ALMY AT EALMY@CITYOFMADISON.COM FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

CONVENTIONAL SIGNS	
<i>FIELD VERIFY ALL UTILITY LOCATIONS</i>	
GAS	—— G ——
STORM SEWER	—— ST ——
SANITARY SEWER	—— SAN ——
WATER	—— W ——
BURIED ELECTRIC	—— E ——
OVERHEAD ELECTRIC	—— OH ——
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

ALL PAVEMENT IN THE HERCULES TRAIL, SATURN DRIVE, AND ORION TRAIL RIGHTS-OF-WAY SHALL BE TYPE A 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 GRADE OF 0.5% TOWARD STORM SEWER INLETS.

ALL DITCHES SHALL DRAIN WITH A MINIMUM GRADE 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. 3.04. 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 4:1. 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.

CURB STATION AND OFFSETS SHALL BE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE INDICATED. CURB ELEVATIONS SHALL BE TO THE EDGE OF PAVEMENT 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 RIGHT-OF-WAY 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.

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 LATEST EDITION.

#####	DATE	BY
#####	DATE	
#####	REVISION	BY
#####	REVISION	
#####	Date: 12/17/2022 11:43 AM	
#####	Designd By: EEA	Scale:

STANDARD NOTES
 13854
 NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
 MADISON, WI
 CONTRACT NO.: 9094
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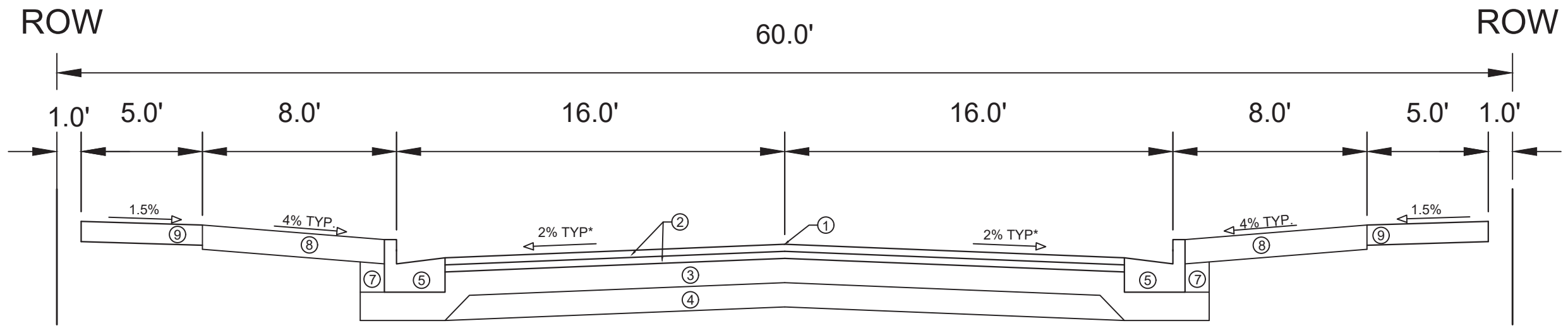


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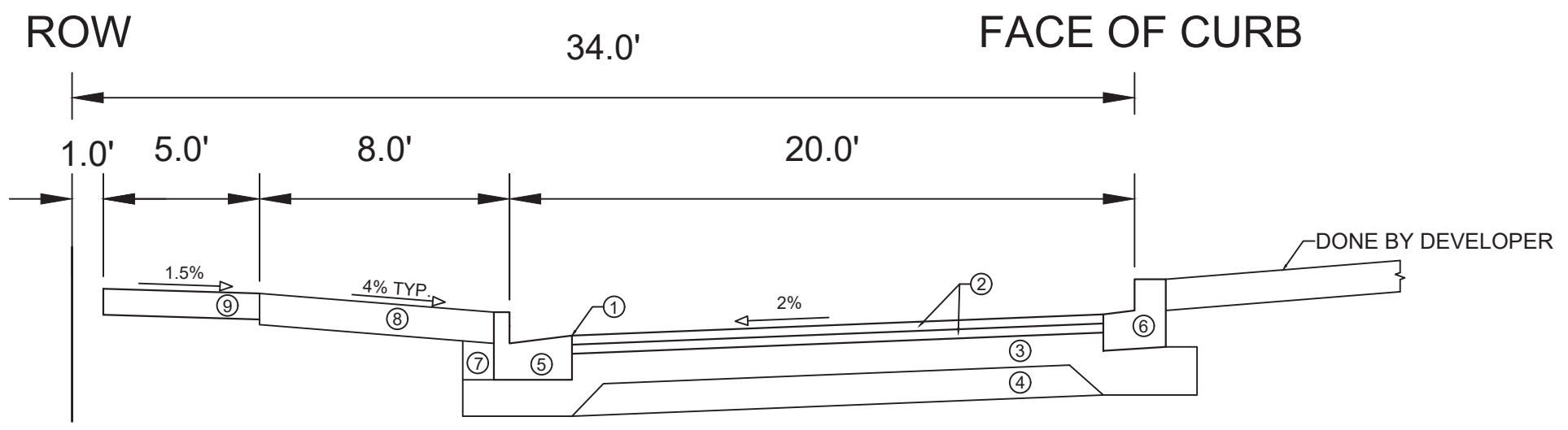
13854
 MADISON, WI
 NORTHERN ADDITION TO GRANDVIEW COMMONS - PHASE 10
 CONTRACT NO: 9094
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13854
 D-2



TYPICAL SECTION
 HERCULES TRAIL / SATURN DRIVE
 ORION TRAIL

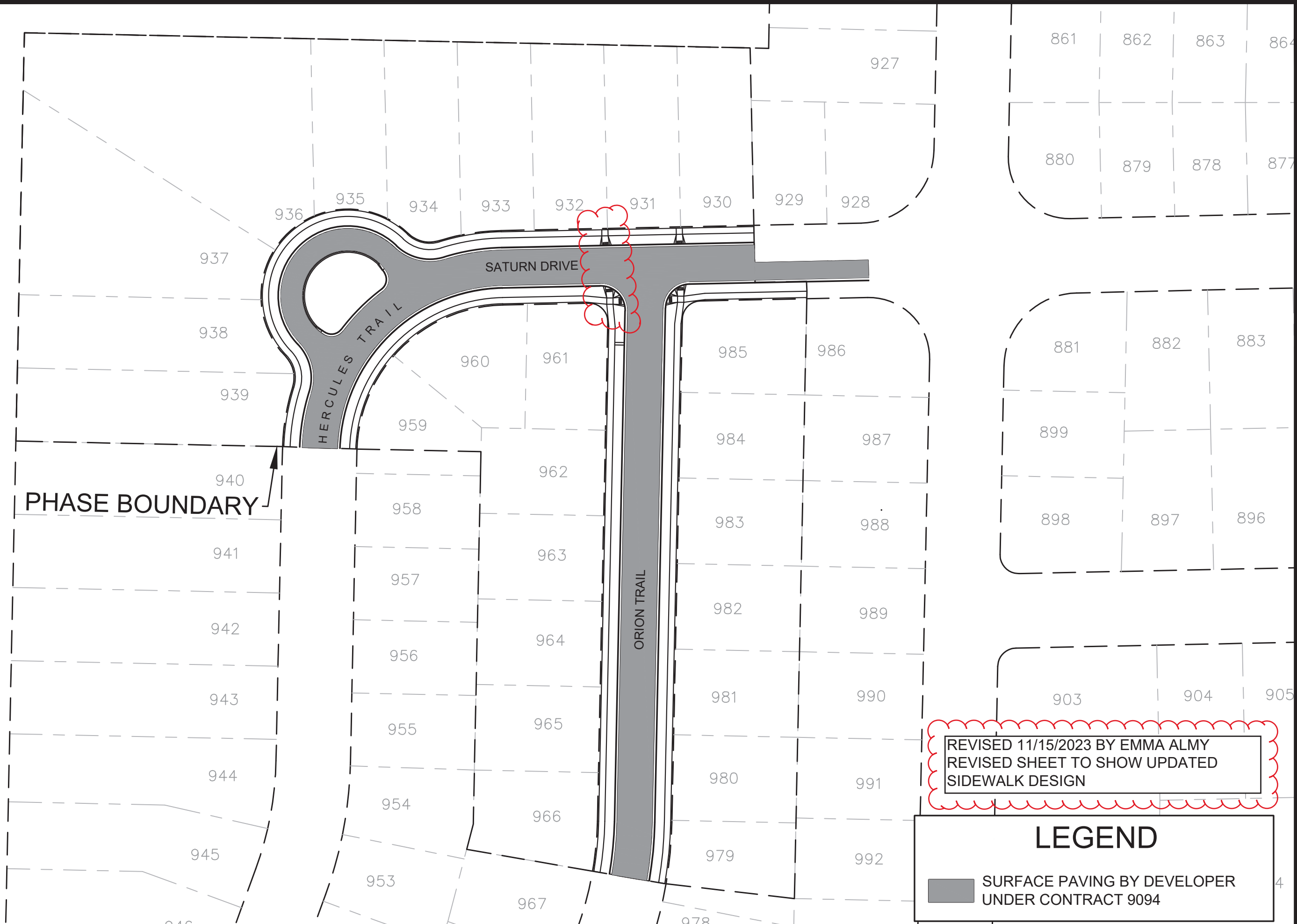


TYPICAL SECTION
 HERCULES TRAIL / SATURN DRIVE
 CULDESAC

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" H.M.A. PAVEMENT- TYPE 4 LT 58-28 S
- ③ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 2
- ④ 6" CRUSHED AGGREGATE BASE COURSE GRADATION 1
- ⑤ CONCRETE CURB AND GUTTER TYPE 'A'
- ⑥ CONCRETE CURB AND GUTTER TYPE 'E'
- ⑦ FILL
- ⑧ 6" TOPSOIL, SEED AND MATTING
- ⑨ 5" CONCRETE SIDEWALK

SPECIAL NOTES:

* SEE X-SHEETS FOR CROSS SLOPES



REVISED 11/15/2023 BY EMMA ALMY
 REVISED SHEET TO SHOW UPDATED
 SIDEWALK DESIGN

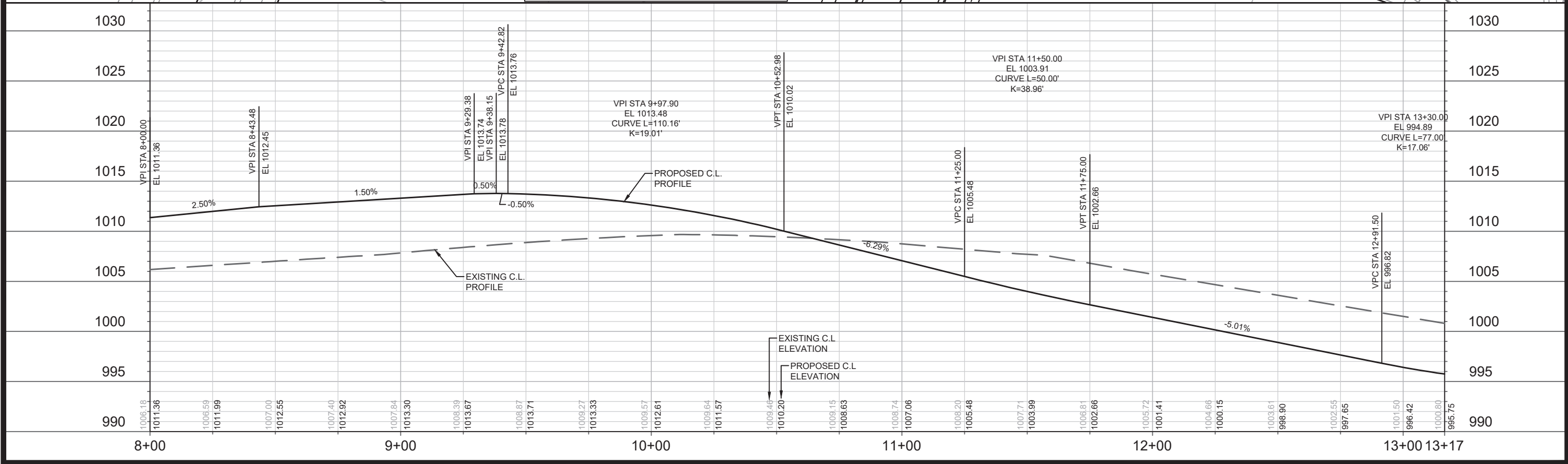
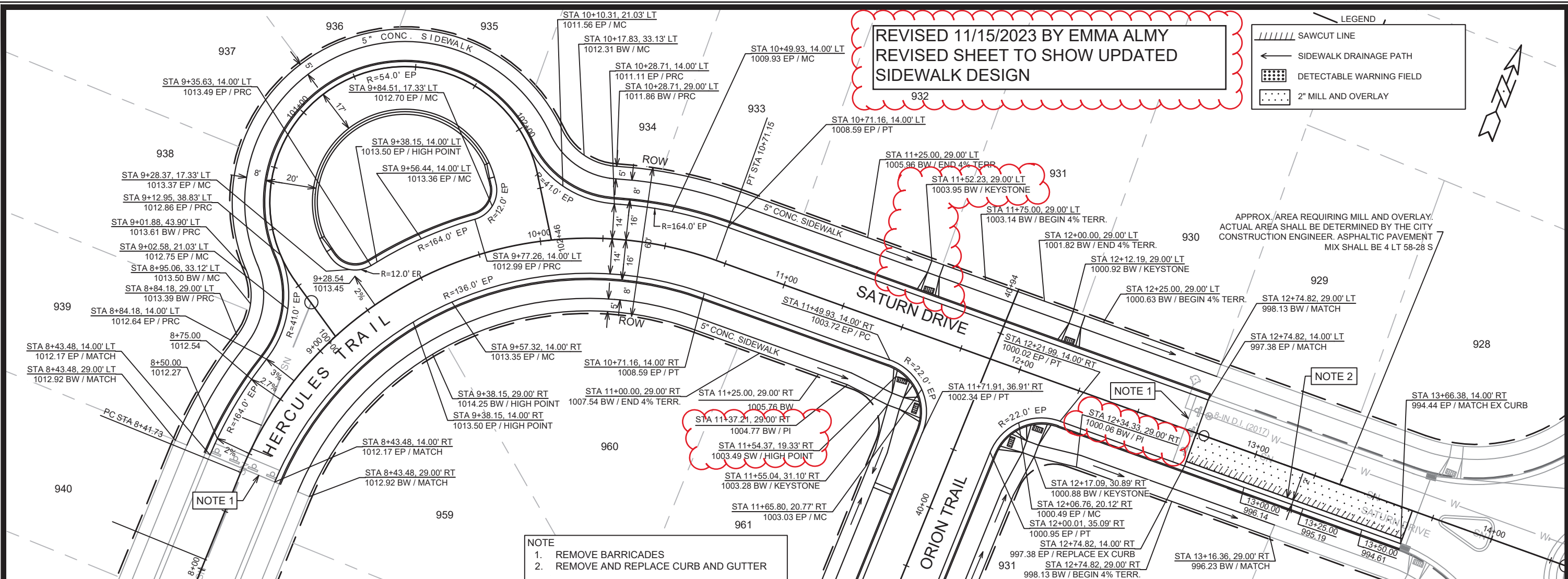
LEGEND

 SURFACE PAVING BY DEVELOPER
 UNDER CONTRACT 9094

13854	OVERVIEW PLAN
MADISON, WI	NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
9094	CONTRACT NO:
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0-1	REVISION
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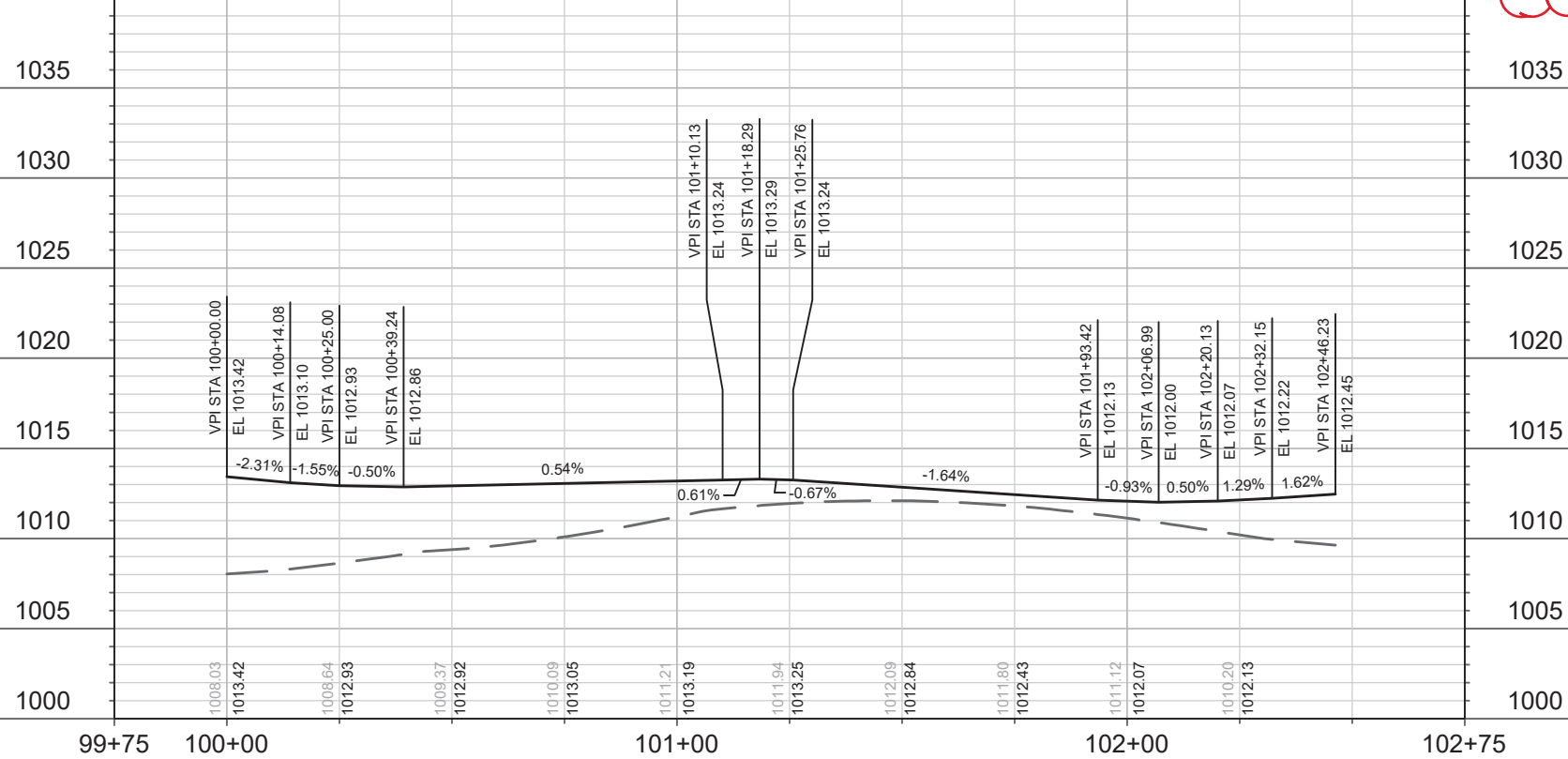
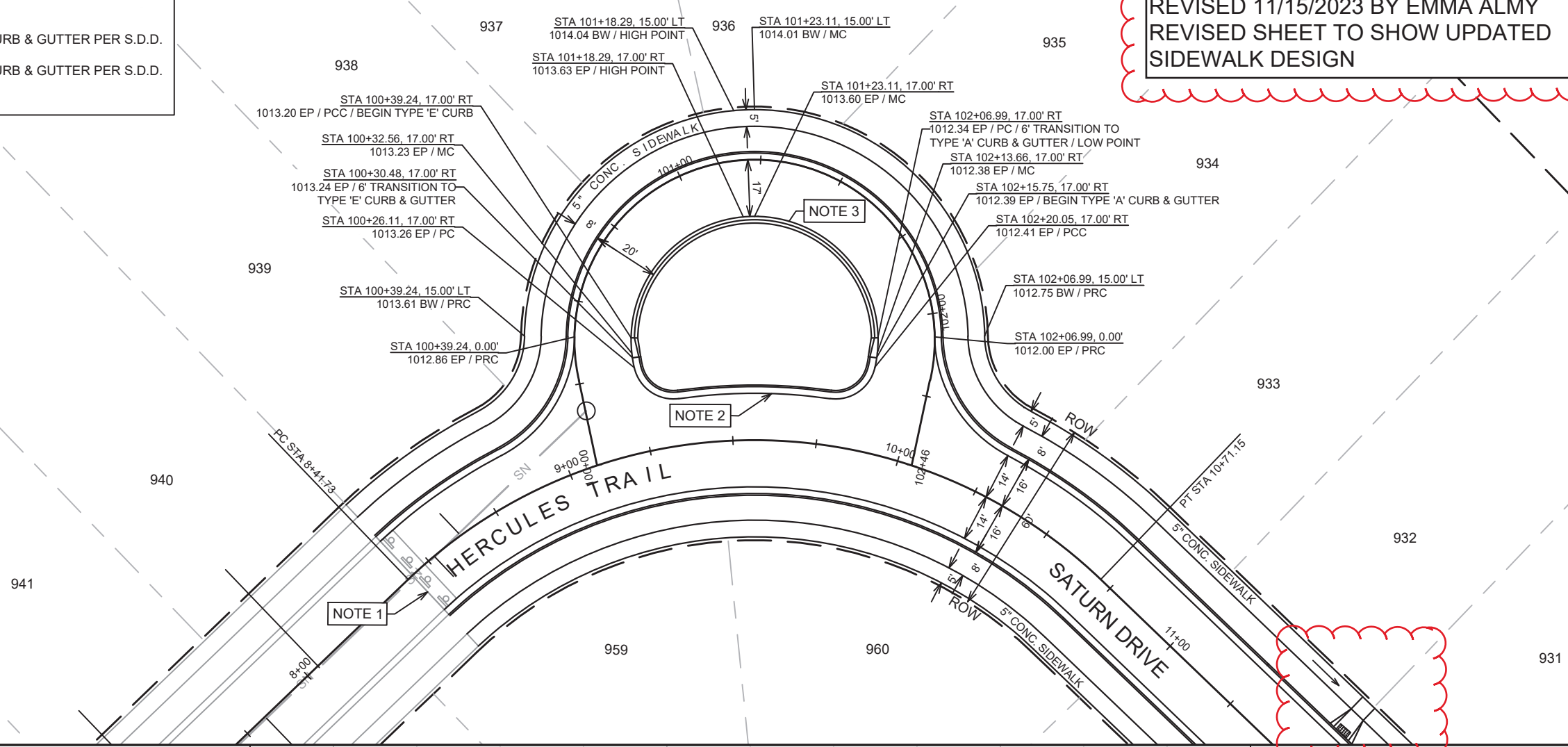
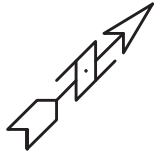


13854
 0-1



- NOTE
1. REMOVE BARRICADES
 2. INSTALL TYPE 'A' CONCRETE CURB & GUTTER PER S.D.D. 3.06
 3. INSTALL TYPE 'E' CONCRETE CURB & GUTTER PER S.D.D. 3.08

REVISED 11/15/2023 BY EMMA ALMY
 REVISED SHEET TO SHOW UPDATED
 SIDEWALK DESIGN

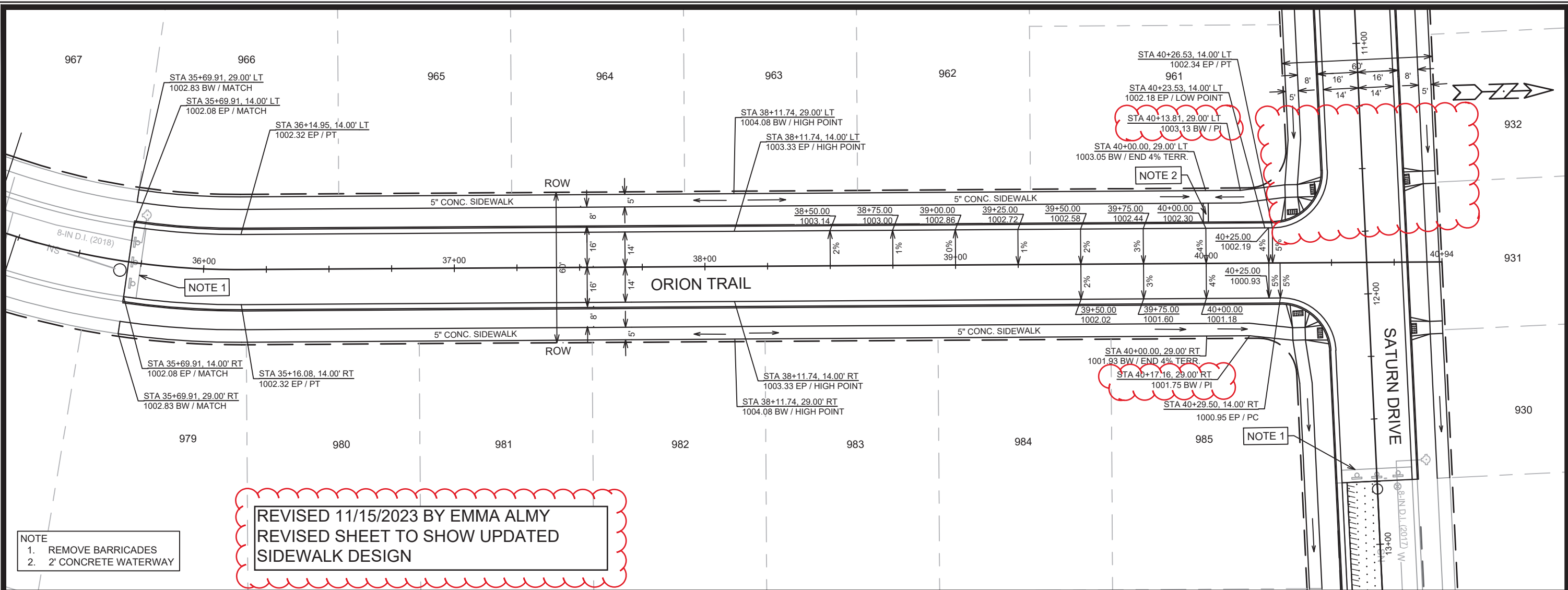


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 Designed By: ###
 MARK: 13854

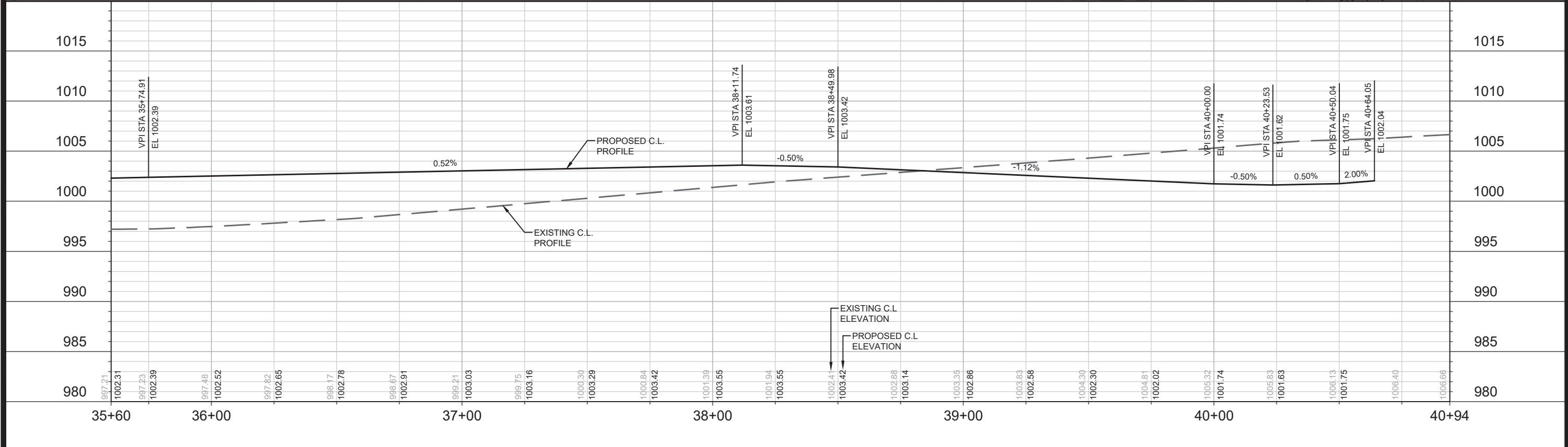
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 MADISON, WI
 CONTRACT NO: 9094
 PLAN & PROFILE - HERCULES TRAIL & SATURN DRIVE CUL-DE-SAC
 NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
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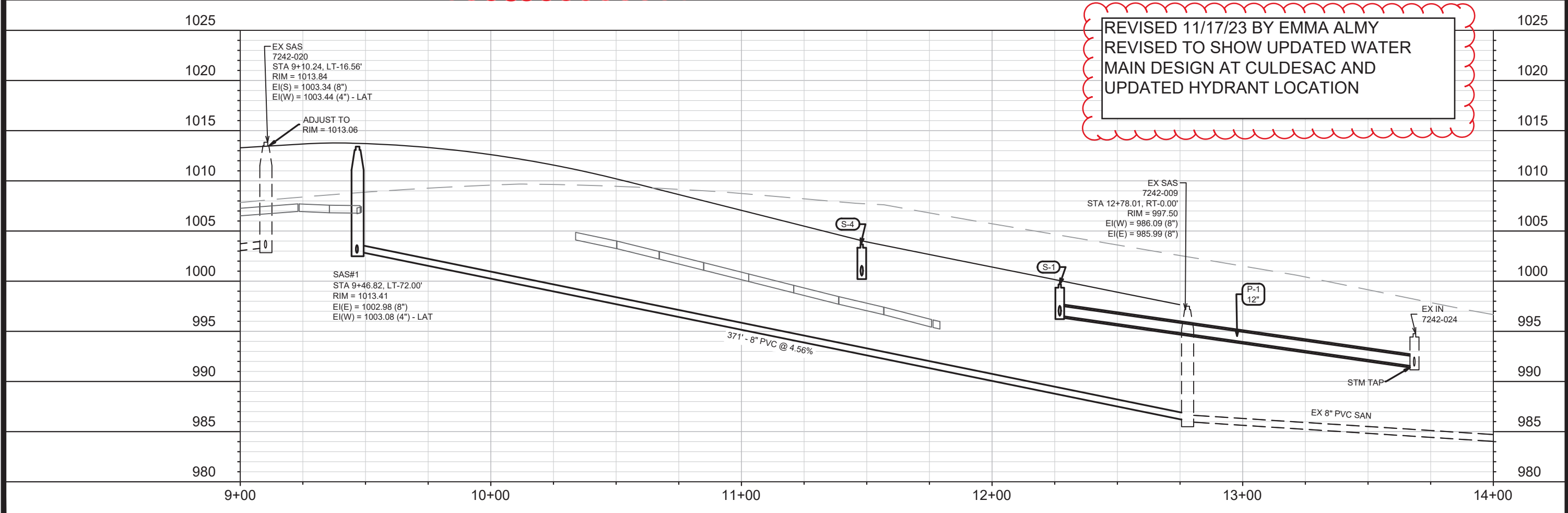
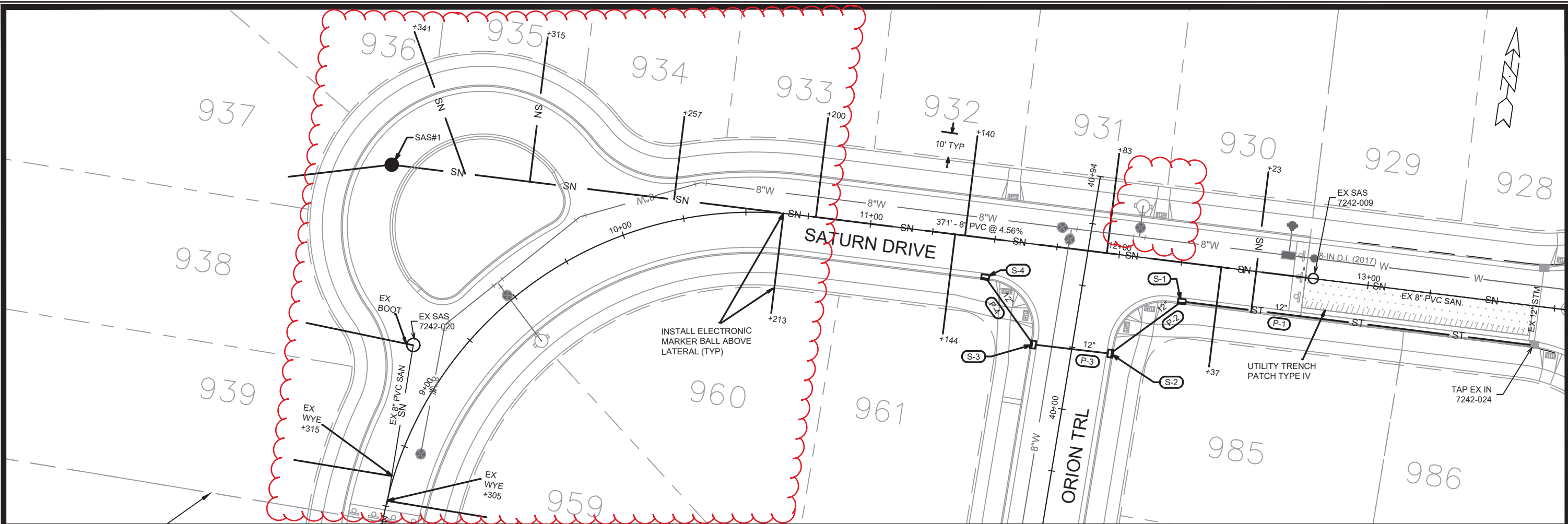


REVISED 11/15/2023 BY EMMA ALMY
 REVISED SHEET TO SHOW UPDATED
 SIDEWALK DESIGN

NOTE
 1. REMOVE BARRICADES
 2. 2' CONCRETE WATERWAY



13854	MADISON, WI	9094	CONTRACT NO.
PLAN & PROFILE - ORION TRAIL NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10			
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		13854 P-3	
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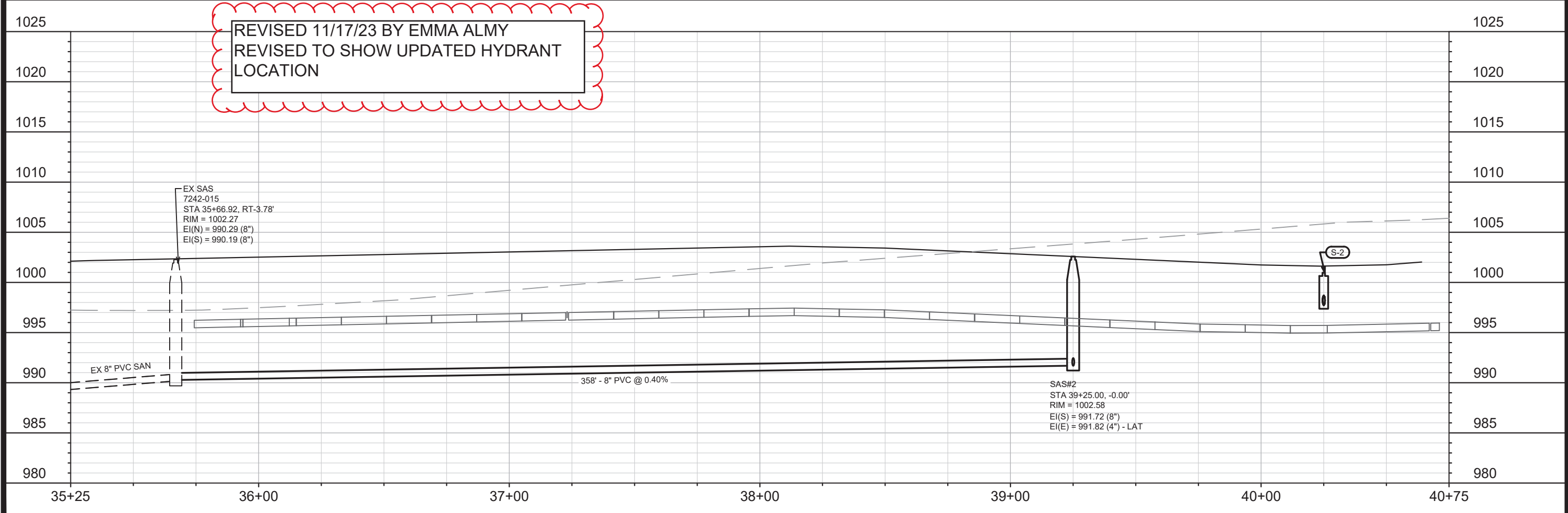
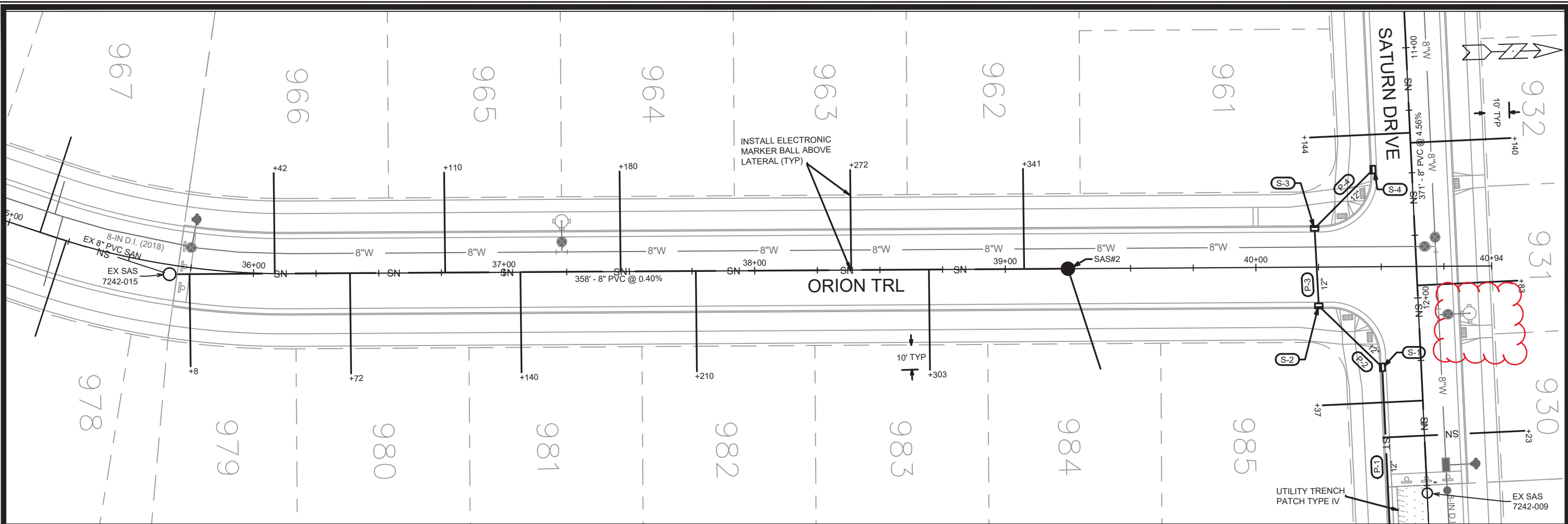
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	13854		U-1

13854
 MADISON, WI
 CONTRACT NO.: 9094

SATURN DIVE - UTILITIES PLAN & PROFILE
 NORTH ADDITION TO GRANDVIEW COMMONS PHASE 10
 M:\DESIGN\Projects\13854\CAD\Sewer\13854SWR-PipeNetwork.dwg



13854
 U-1



REVISED 11/17/23 BY EMMA ALMY
REVISED TO SHOW UPDATED HYDRANT
LOCATION

MARK	REVISION	DATE	BY
13854	U-2	11/17/2023 1:52 PM	Scale: 1" = 40'

13854
MADISON, WI
9094
CONTRACT NO:

ORION TRAIL - UTILITIES PLAN & PROFILE
NORTH ADDITION TO GRANDVIEW COMMONS PHASE 10
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13854
U-2

SANITARY SEWER SCHEDULE

NORTH ADDITION TO GRANDVIEW COMMONS PH 10

SHEET NO.

PROJECT NO. 13854

U-SAN

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
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SATURN DRIVE

SAS#1	9+46.82	LT-72.00	1013.41	1002.98	10.43	-
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ORION TRAIL

SAS#2	39+25.00	CL	1002.58	991.72	10.86	-
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PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
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SATURN DRIVE

7242-009	SAS#1	986.09	1002.98	371	4.56%	8"	SDR-35	-
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ORION TRAIL

7242-015	SAS#2	990.29	991.72	358	0.40%	8"	SDR-35	-
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ADJUST SANITARY STRUCTURES

STRUC. ID NO.	STATION	LOCATION (OFFSET)	EX. RIM	PROP. RIM	NOTES
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7242-020	9+10.24	LT-16.56	1013.84	1013.06	-
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NOTES:

- ALL STRUCTURES SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. 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.

STORM SEWER SCHEDULE

NORTH ADDITION TO GRANDVIEW COMMONS PH 10	SHEET NO.
PROJECT NO. 13854	U-STM
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
SATURN DRIVE							
S-1	12+27.00	RT-15.50	H INLET	1000.15	996.55	3.60	W/ R-3067-7004-V
S-4	11+48.00	RT-15.50	H INLET	1004.14	1000.54	3.60	W/ R-3067-7004-V
ORION TRAIL							
S-2	40+25.00	RT-15.50	H INLET	1001.31	997.71	3.60	W/ R-3067-7004-V
S-3	40+23.53	LT-15.50	H INLET	1002.56	998.96	3.60	LP; W/ R-3067-7004-VB

PROPOSED STORM PIPES

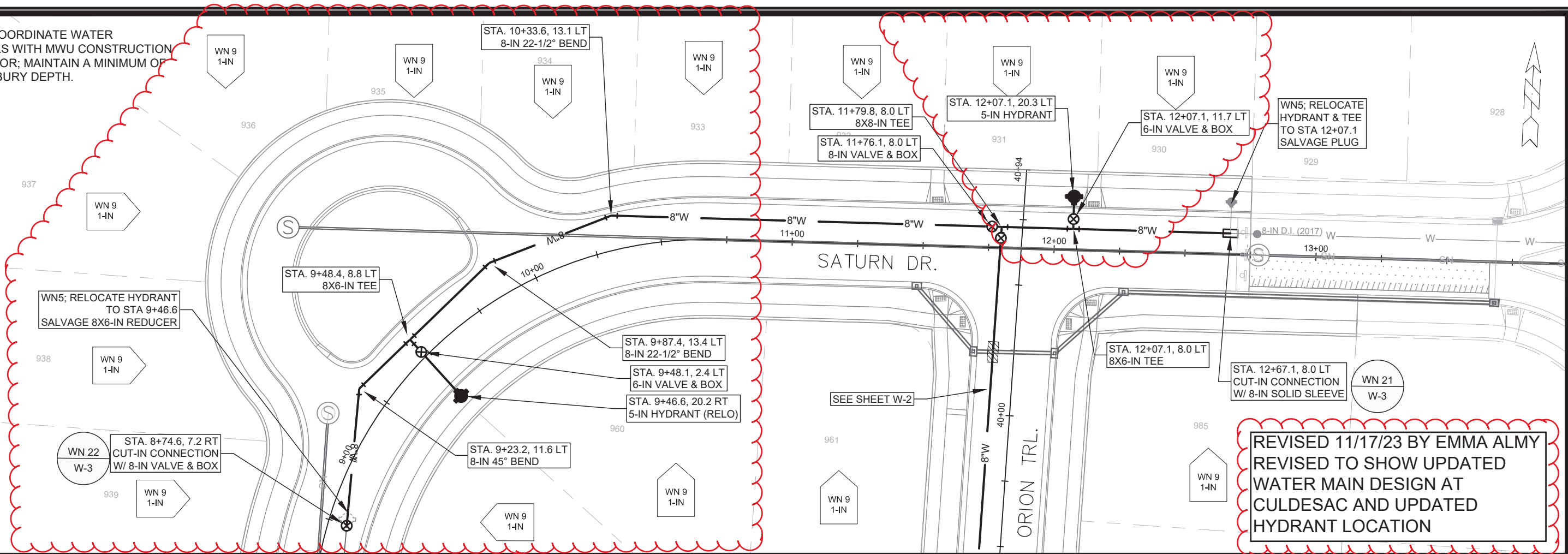
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
SATURN DRIVE										
P-1	EX 7242-024	S-1	991.49	996.55	143	140	3.61%	12"	TYPE II	-
P-4	S-3	S-4	998.96	1000.54	33	30	5.27%	12"	TYPE II	-
ORION TRAIL										
P-2	S-1	S-2	996.55	997.71	34	31	3.74%	12"	TYPE II	-
P-3	S-2	S-3	997.71	998.96	31	29	4.31%	12"	TYPE I	-

STANDARD NOTES:

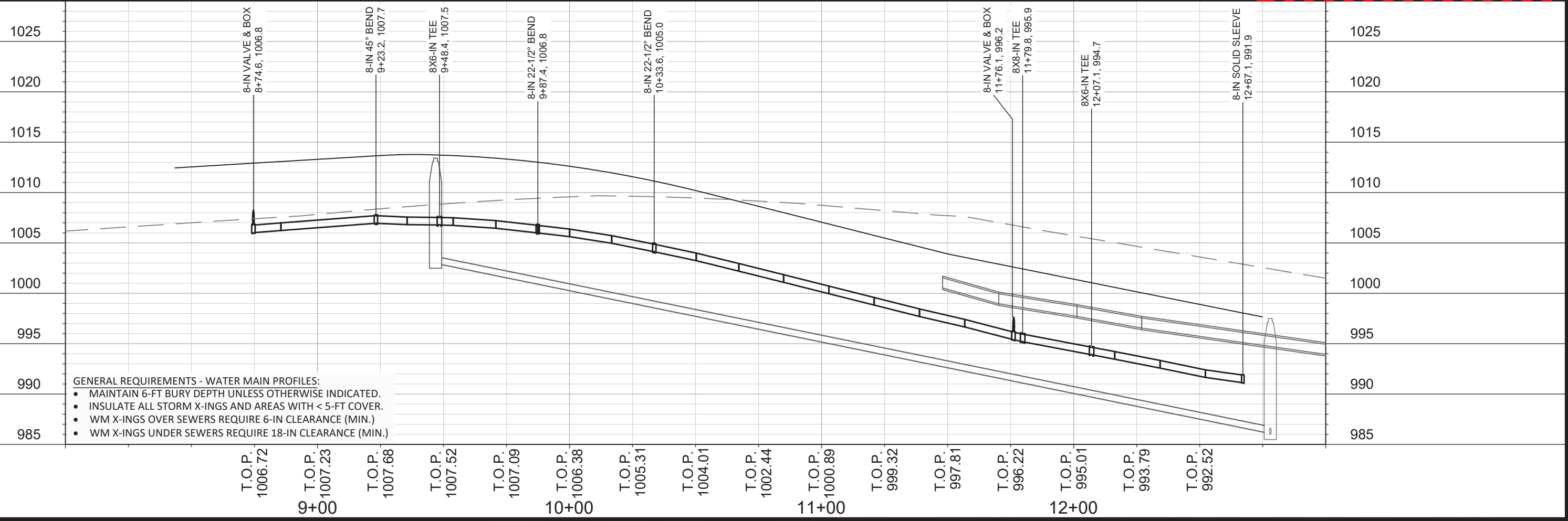
- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED 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.
- 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 FIELD Poured SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.
- 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 STORM SEWER PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO EACOSTA@CITYOFMADISON.COM.
- FOR SWM PRECAST APPROVALS CONTACT PHIL GAEBLER AT (608) 266-4059 OR EMAIL SWM SHOP DRAWINGS TO PGAEBLER@CITYOFMADISON.COM

NOTE* COORDINATE WATER
LATERALS WITH MWU CONSTRUCTION
INSPECTOR; MAINTAIN A MINIMUM OF
6 FOOT BURY DEPTH.



REVISED 11/17/23 BY EMMA ALMY
REVISED TO SHOW UPDATED
WATER MAIN DESIGN AT
CULDESAC AND UPDATED
HYDRANT LOCATION



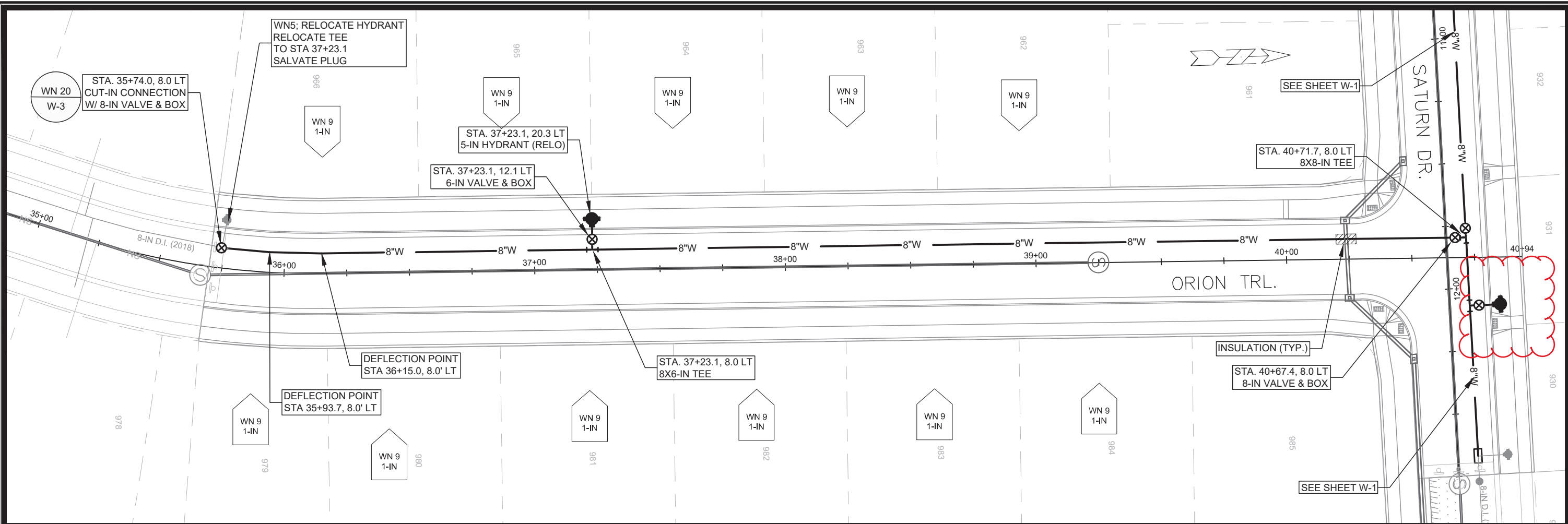
SCALE: 1" = 40'
DESIGNED BY: RJN
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 11/17/23

CONTRACT NO: 9094

NORTH ADDITION TO GRANDVIEW COMMONS PHASE 10
WATER PLAN & PROFILE HERCULES TRAIL & SATURN DRIVE
CITY OF MADISON, WISCONSIN



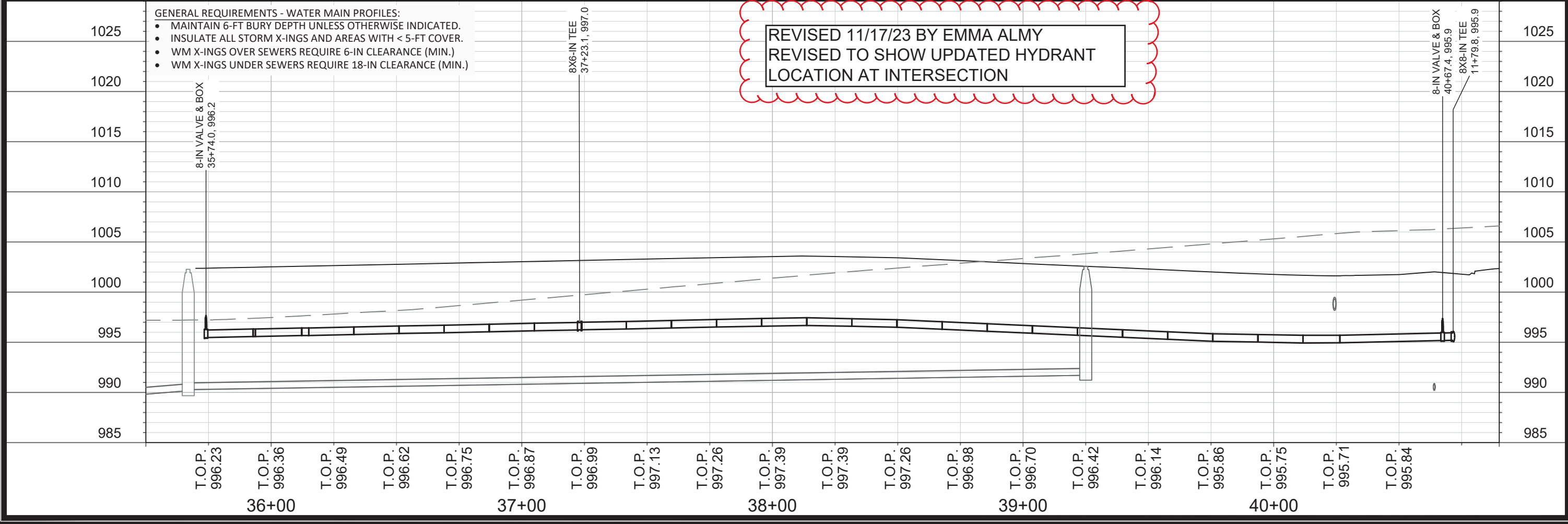
13854
W-1



GENERAL REQUIREMENTS - 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.)

REVISED 11/17/23 BY EMMA ALMY
 REVISED TO SHOW UPDATED HYDRANT
 LOCATION AT INTERSECTION



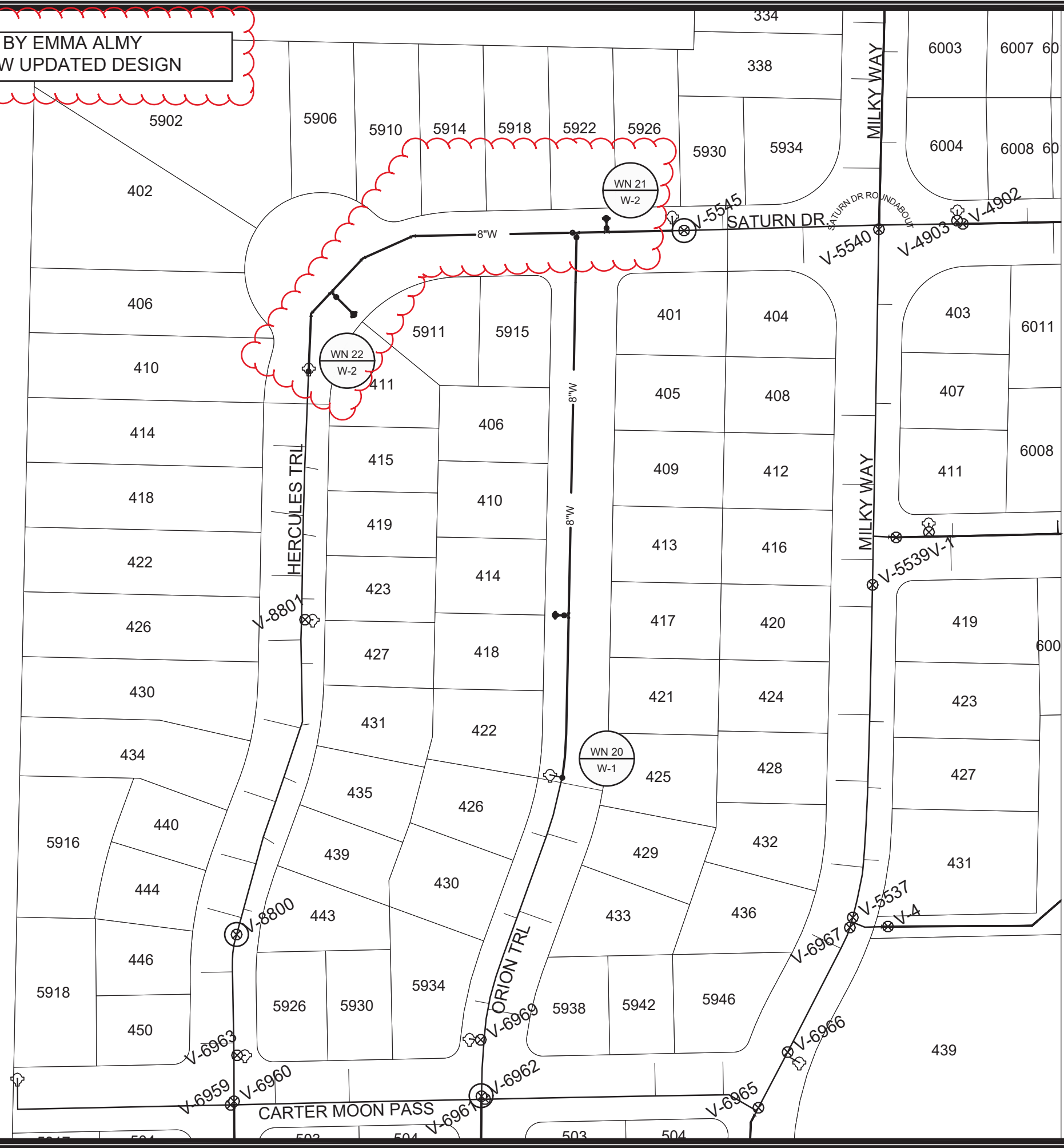
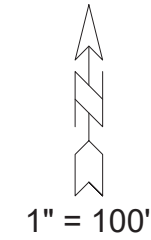
NORTH ADDITION TO GRANDVIEW COMMONS PHASE 10
WATER PLAN & PROFILE ORION TRAIL
CITY OF MADISON, WISCONSIN

SCALE: 1" = 40'
 DESIGNED BY: R.JN
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 11/17/23

CONTRACT NO: 9094

13854
 W-2

REVISED 11/17/23 BY EMMA ALMY
 REVISED TO SHOW UPDATED DESIGN



WN 20: CUT-IN CONNECTION; 422 ORION TRL.

ISOLATION VALVES:

- V-6962 (ORION AT CARTER MOON PASS)

PROVIDE NOTICE:

- 5934, 5938 CARTER MOON PASS
- 426, 429, 430, 433 ORION TRL

WN 21: CUT-IN CONNECTION; 5926 SATURN DR.

ISOLATION VALVES:

- V-5545 (5930 SATURN DR.)

PROVIDE NOTICE:

- NONE

WN 22: CUT-IN CONNECTION; 410 HERCULES TRL.

ISOLATION VALVES:

- V-8800 (444 HERCULES TRL.)

PROVIDE NOTICE:

- 414, 415, 418, 419, 422, 423, 426, 427, 430, 431, 434, 435, 439, 440, 443, 444 HERCULES TRL.

DISCLAIMER NOTE:

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

SCALE: 1" = 100'
 DESIGNED BY: RJN
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 11/9/23

NORTH ADDITION TO GRANDVIEW COMMONS PHASE 10
 WATER IMPACT PLAN

CITY OF MADISON, WISCONSIN



13854
 W-3



REVISED 11/17/23 BY EMMA ALMY
REVISED QUANTITY FOR PAY ITEM 70002

CONSTRUCTION NOTES:

- | | |
|---|---|
| <ol style="list-style-type: none"> 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 CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE. | <p>WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.</p> <p>WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.</p> <p>WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.</p> <p>WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.</p> <p>WN-5 RELOCATE THE EXISTING FIRE HYDRANT.</p> <p>WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.</p> <p>WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.</p> <p>WN-8 ABANDON THE VALVE BOX.</p> <p>WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.</p> <p>WN-10 REMOVE AND SALVAGE EXISTING HYDRANT</p> <p>WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE</p> <p>WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.</p> |
|---|---|

***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY ITEM	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	50	LNFT
70003	FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	950	LNFT
70031	FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
70032	FURNISH AND INSTALL 8-INCH WATER VALVE	4	EACH
70050	FURNISH AND INSTALL 1-INCH SERVICE LATERALS	25	EACH
70101	FURNISH AND INSTALL STYROFOAM	1	EACH
71026	8-IN SOLID SLEEVE	1	EACH
71134	8-IN 22 1/2° BEND	2	EACH
71135	8-IN 45° BEND	1	EACH
71210	8X6-IN TEE	3	EACH
71211	8X8-IN TEE	1	EACH

***ESTIMATE OF MATERIALS SALVAGED & REUSED:**

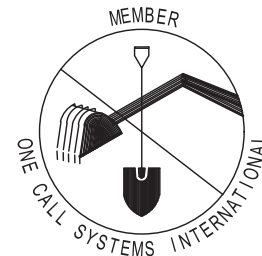
HYDRANT RELO	3	EACH
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* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

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

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

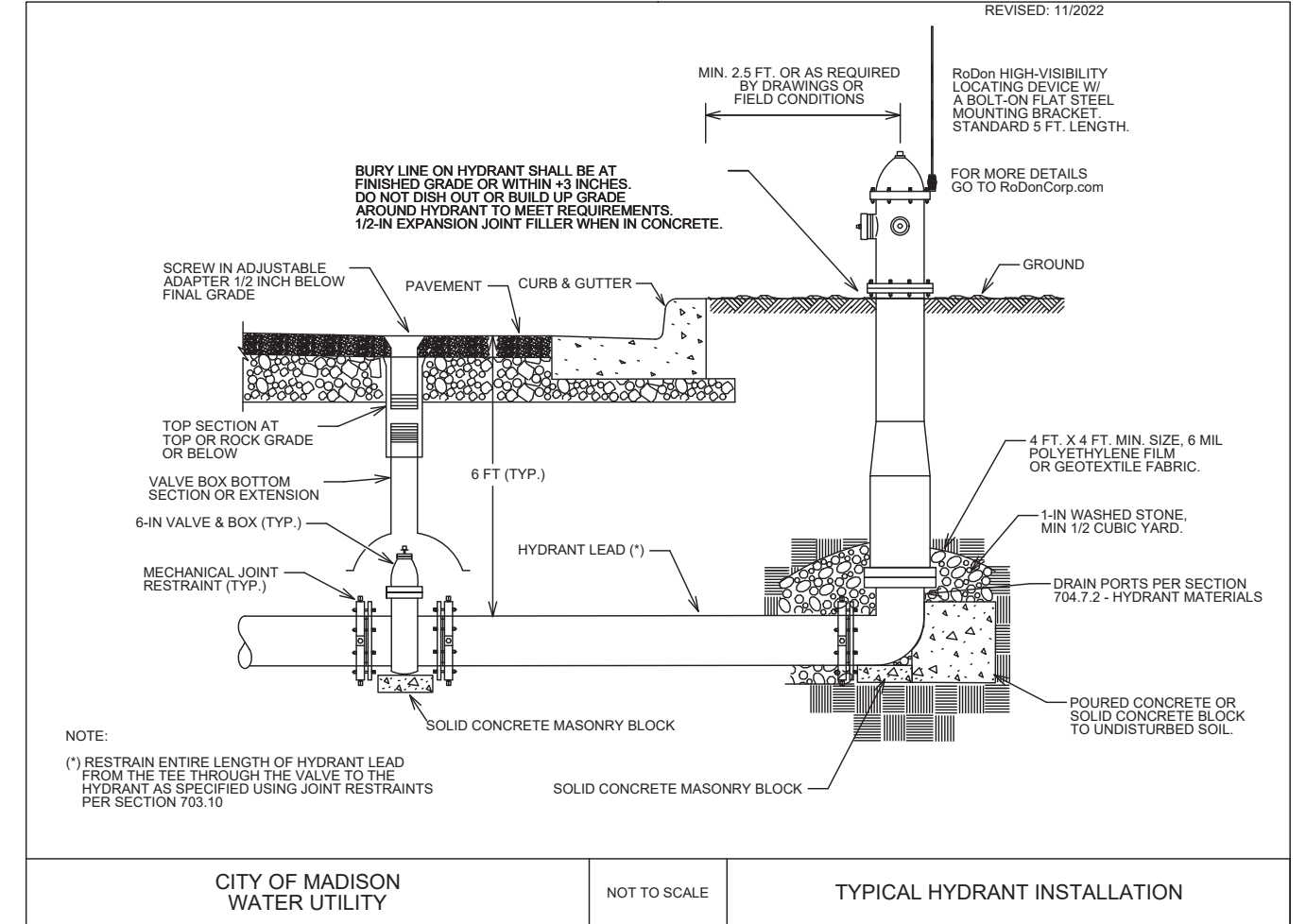
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



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

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04
REVISED: 11/2022



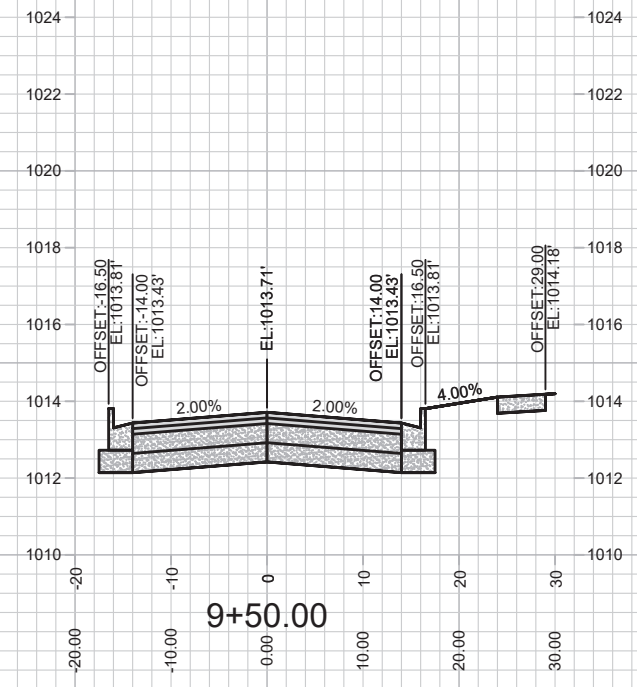
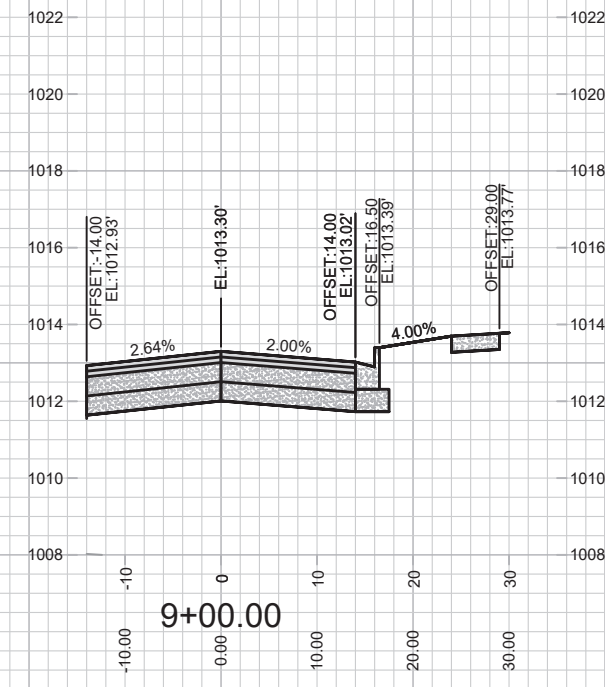
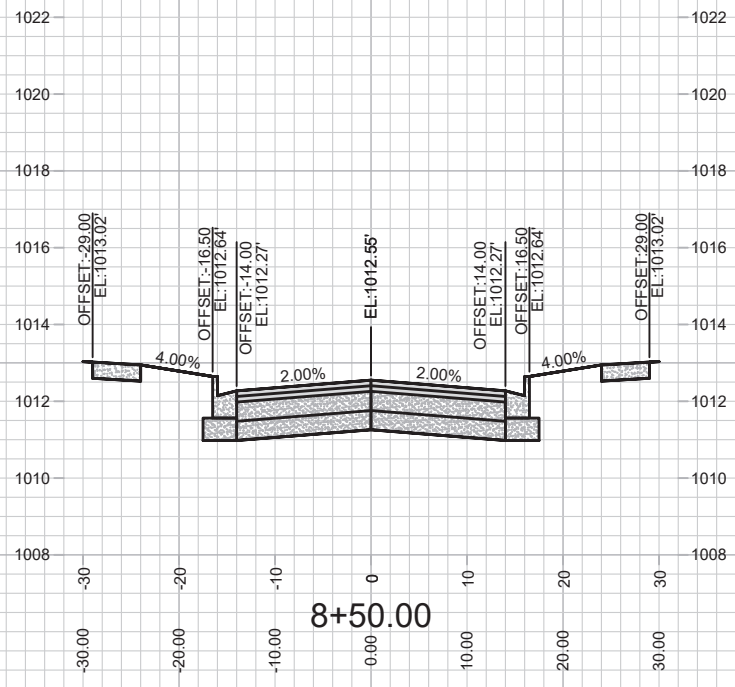
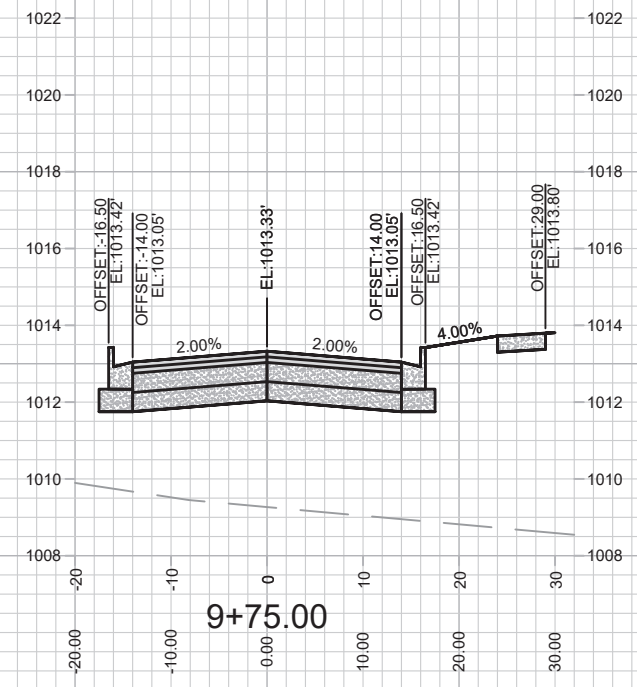
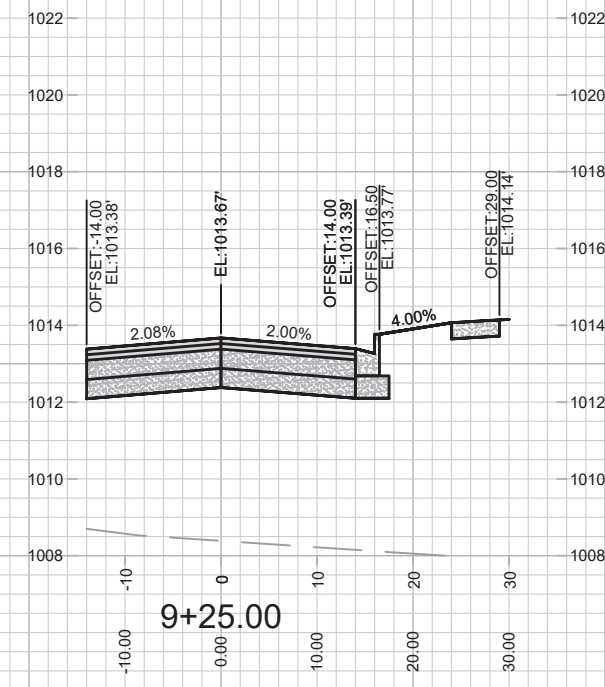
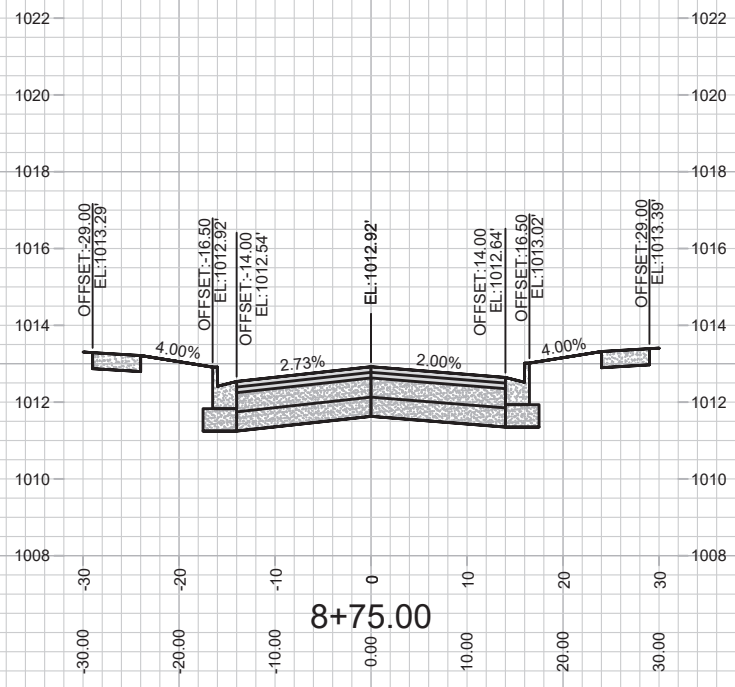
NORTH ADDITION TO GRANDVIEW COMMONS PHASE 10
WATER ESTIMATE OF MATERIALS

SCALE: N/A
DESIGNED BY: RJN
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 11/9/23

CONTRACT NO: 9094



13854
W-4



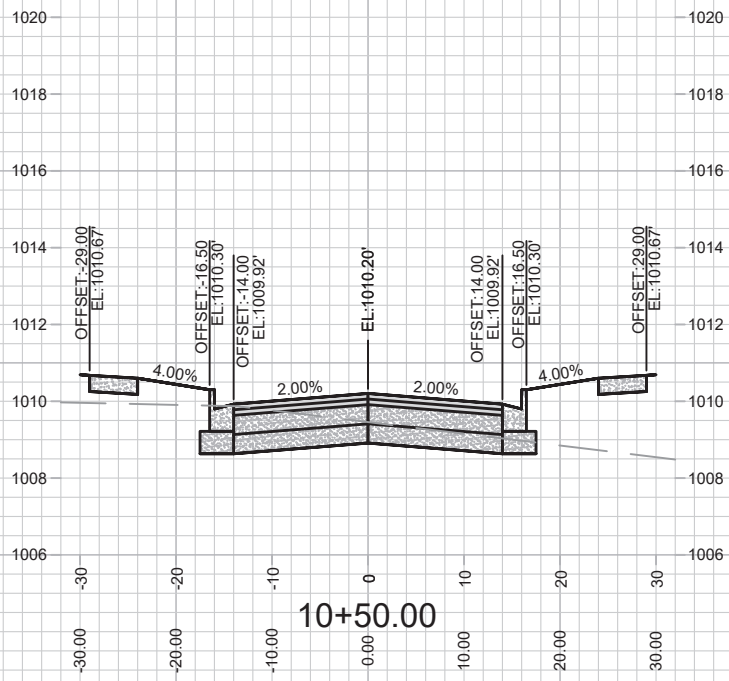
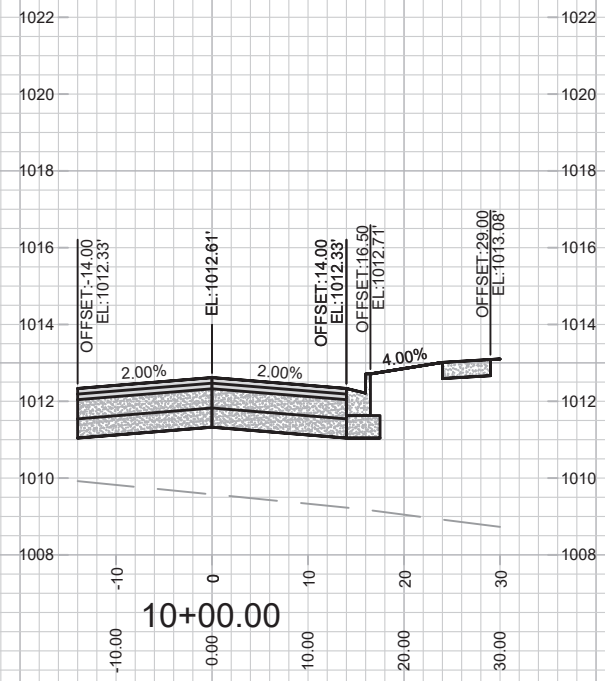
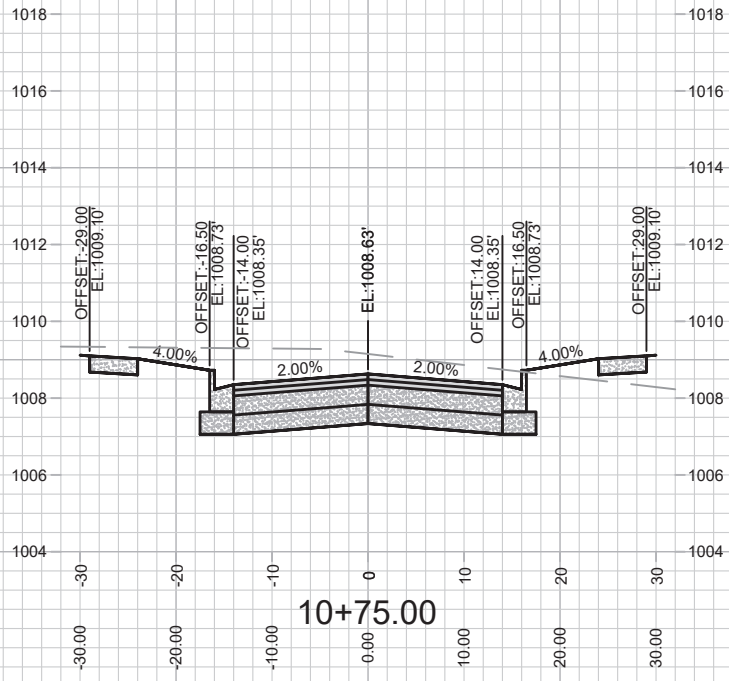
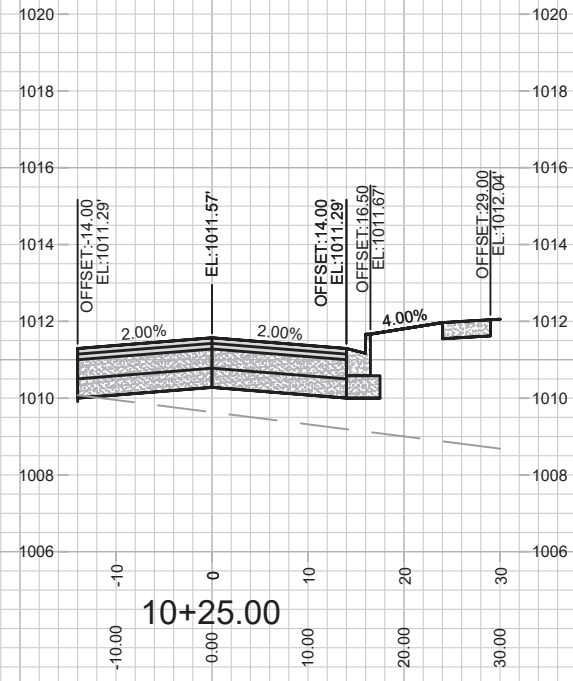
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13854
 MADISON, WI
 CONTRACT NO: 9094

CROSS SECTIONS - HERCULES TRAIL & SATURN DRIVE
 NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
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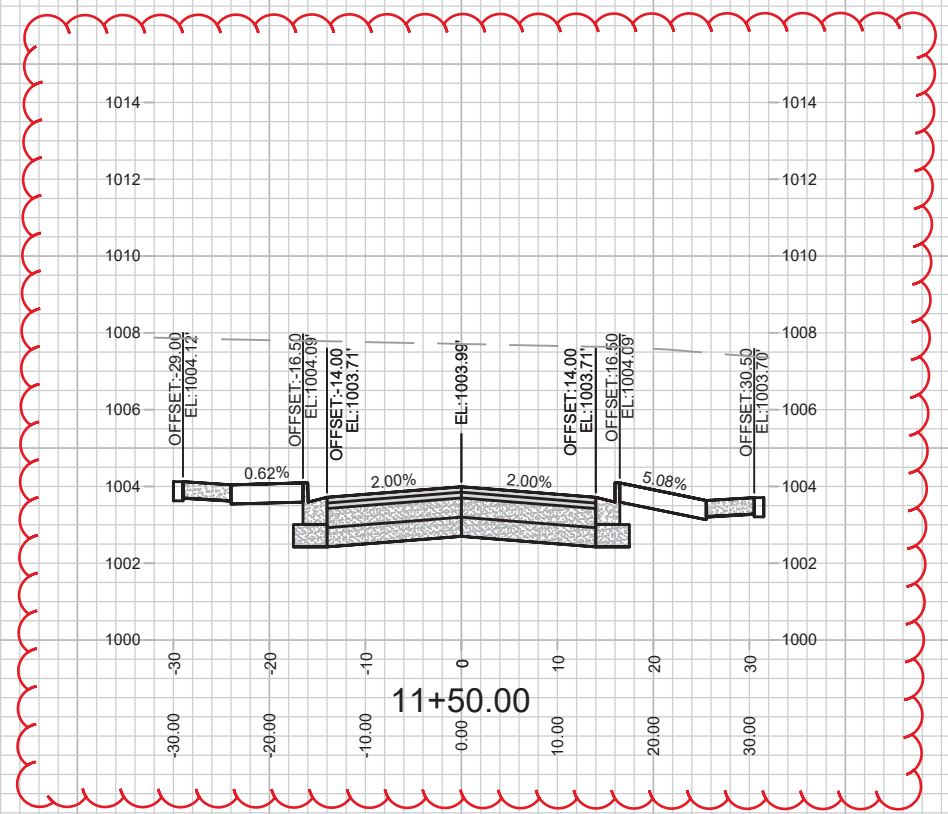
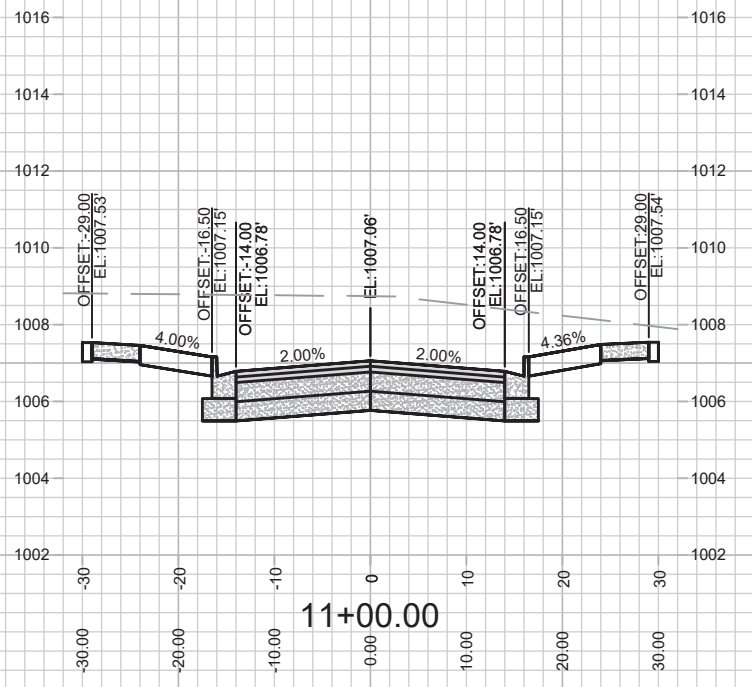
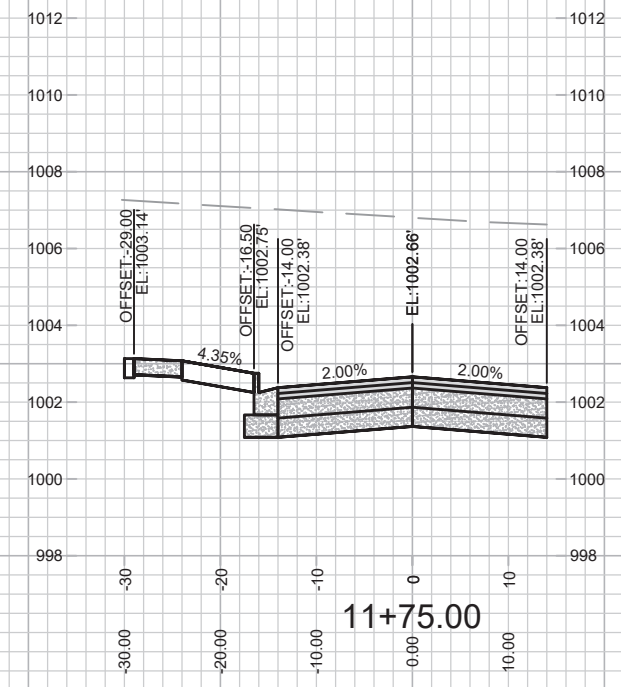
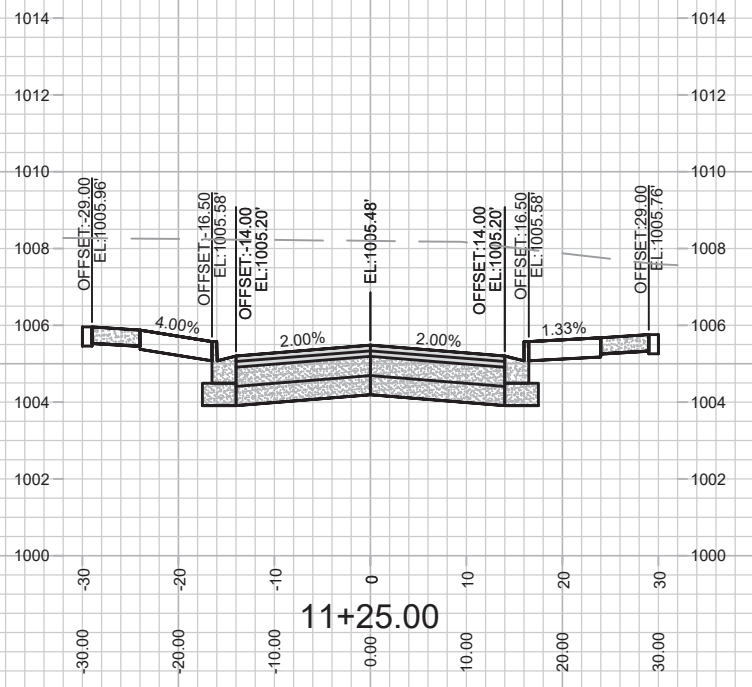
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MADISON, WI
9094
CONTRACT NO:

CROSS SECTIONS - HERCULES TRAIL & SATURN DRIVE
NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
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REVISED 11/15/2023 BY EMMA ALMY
 REVISED SHEET TO SHOW UPDATED
 SIDEWALK DESIGN



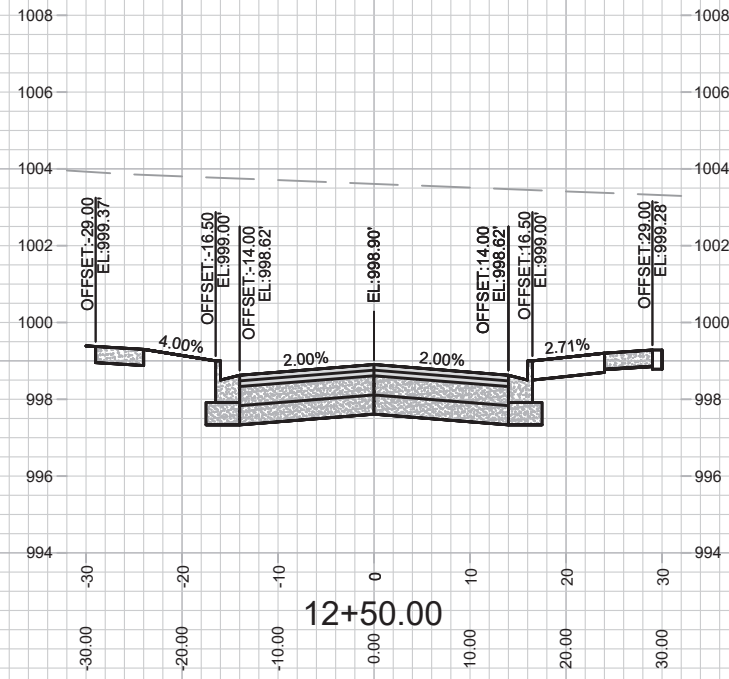
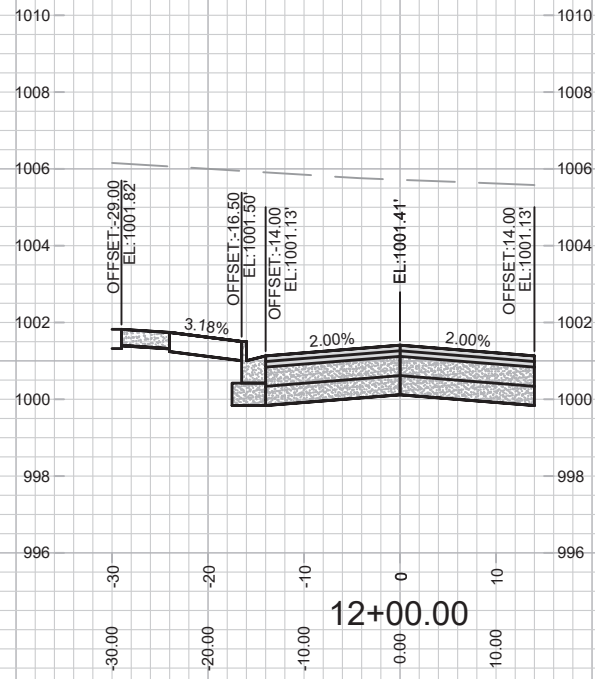
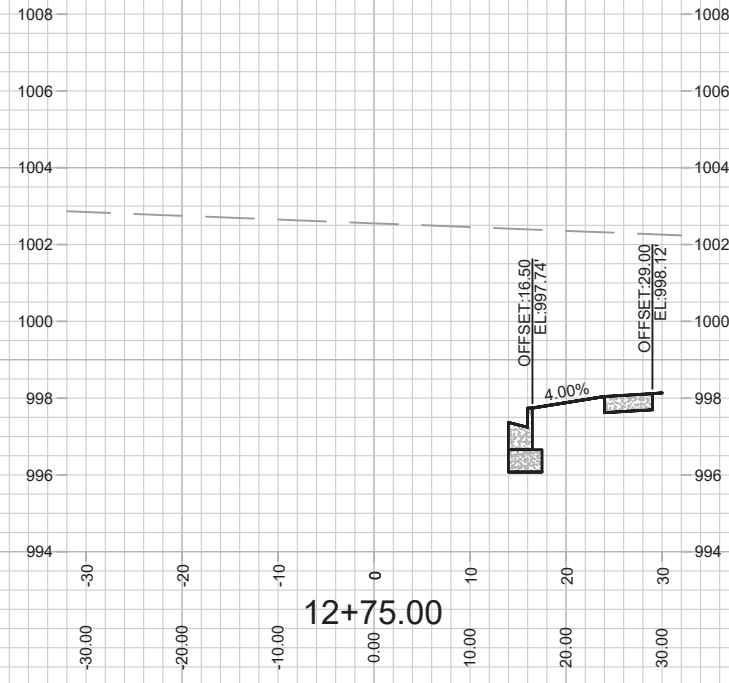
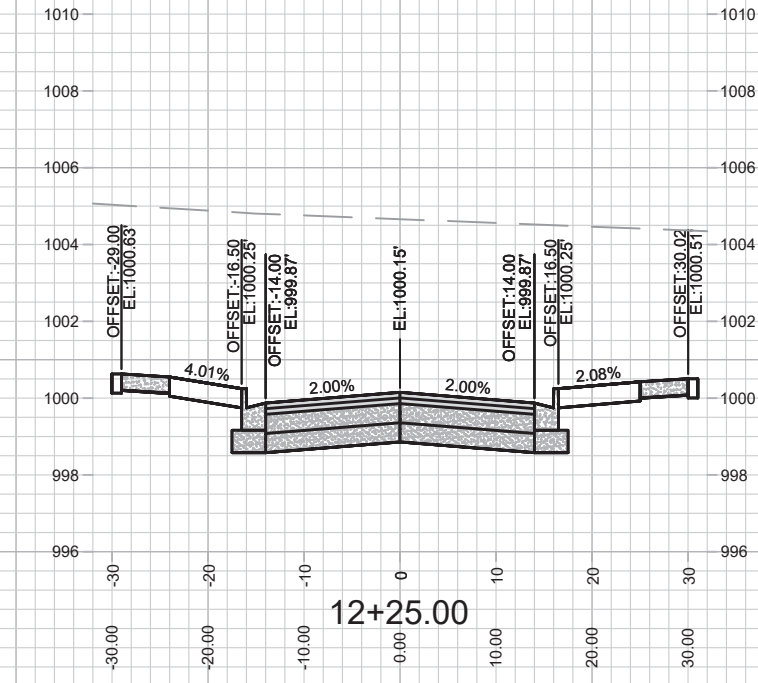
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 MADISON, WI
 CONTRACT NO: 9094
 CROSS SECTIONS - HERCULES TRAIL & SATURN DRIVE
 NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
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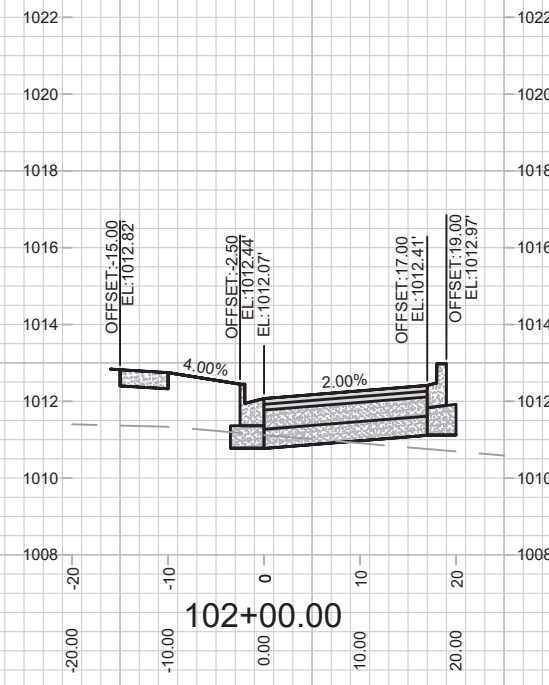
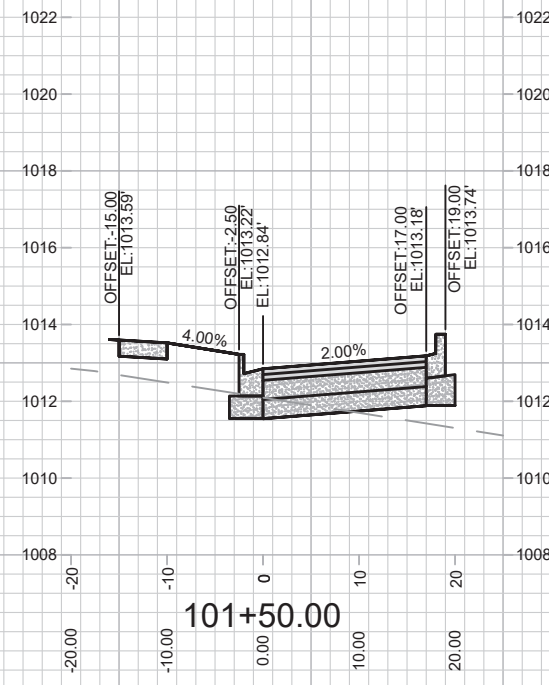
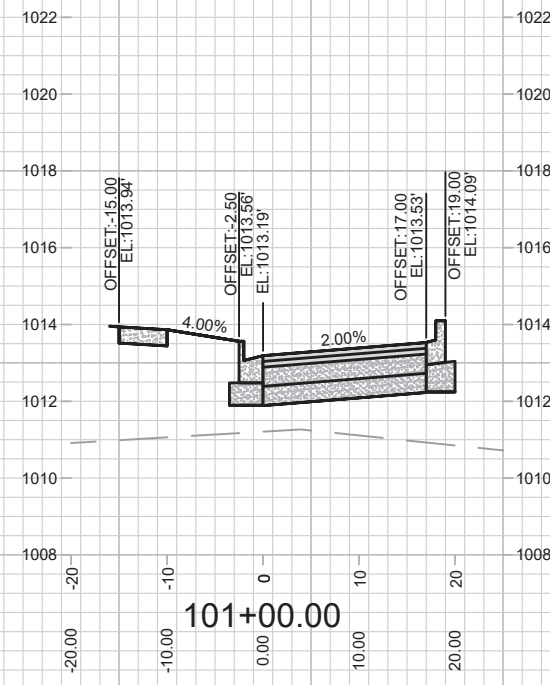
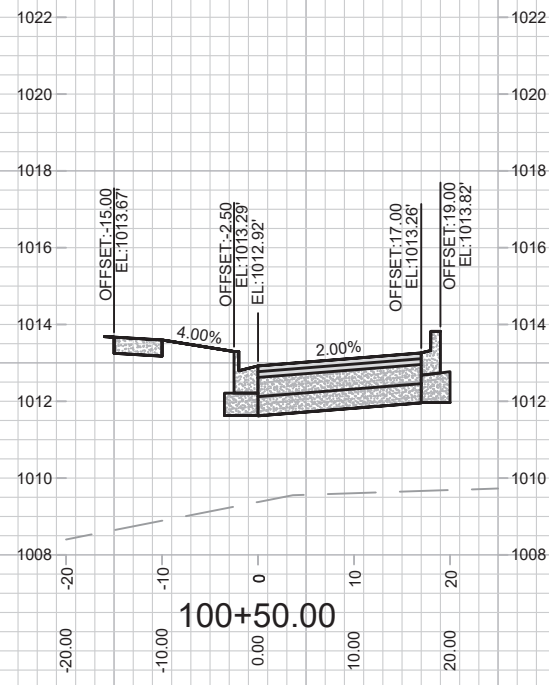
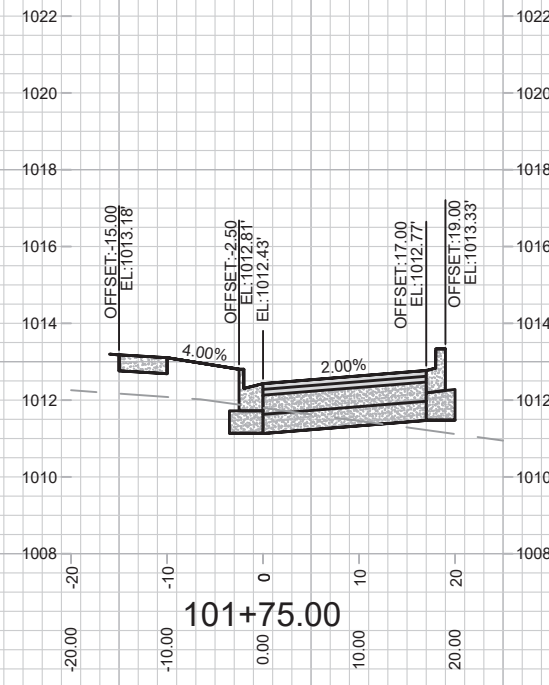
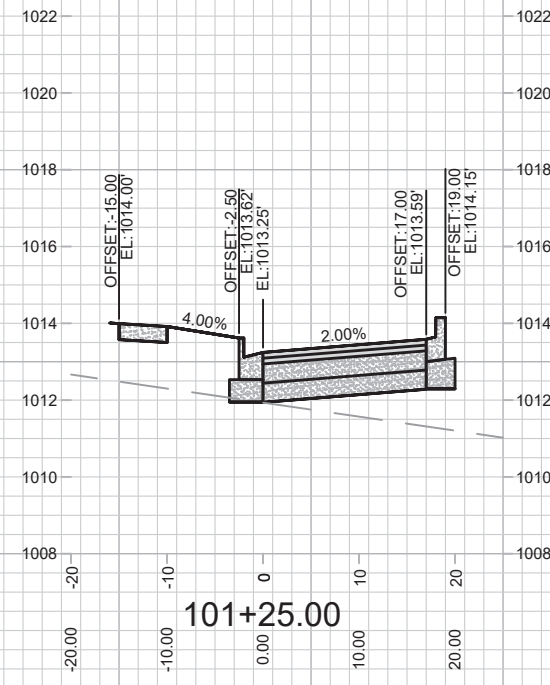
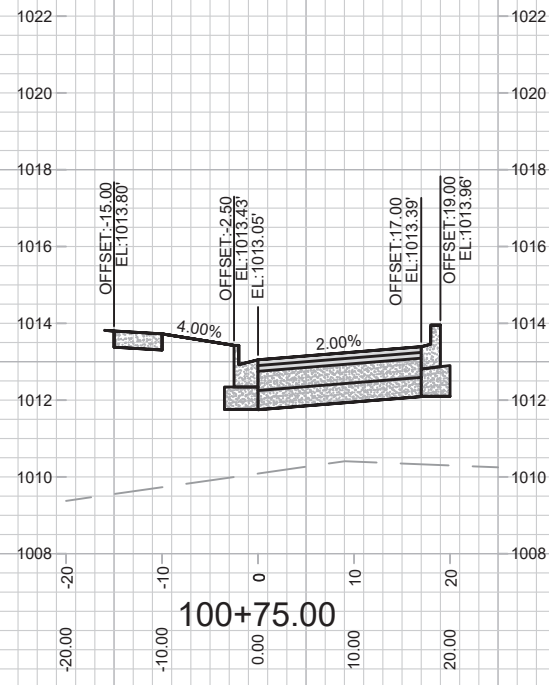
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CONTRACT NO:

CROSS SECTIONS - HERCULES TRAIL & SATURN DRIVE
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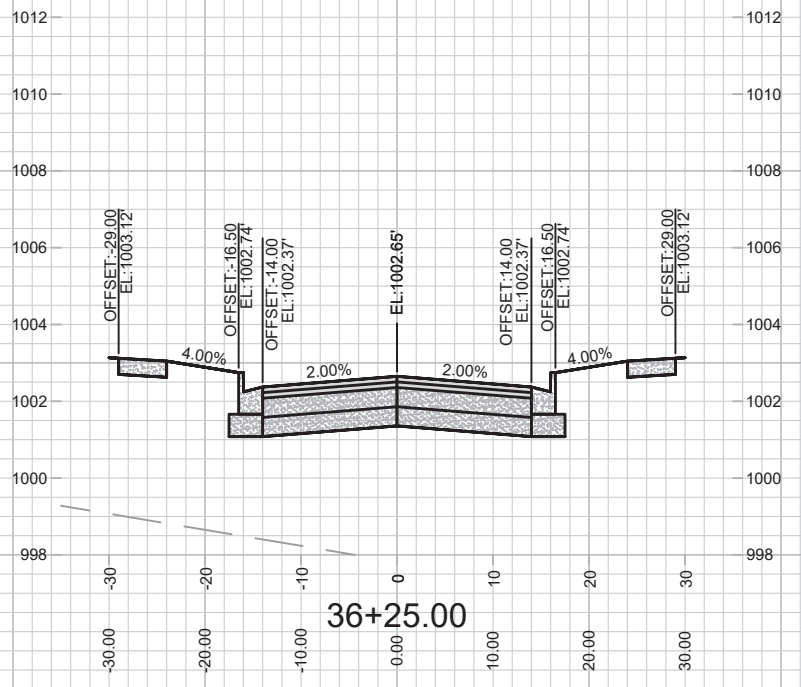
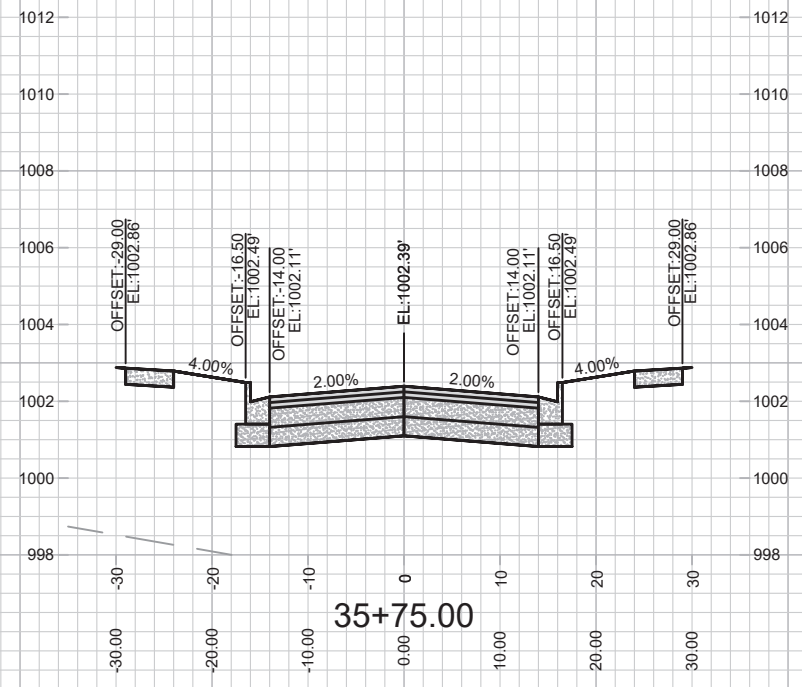
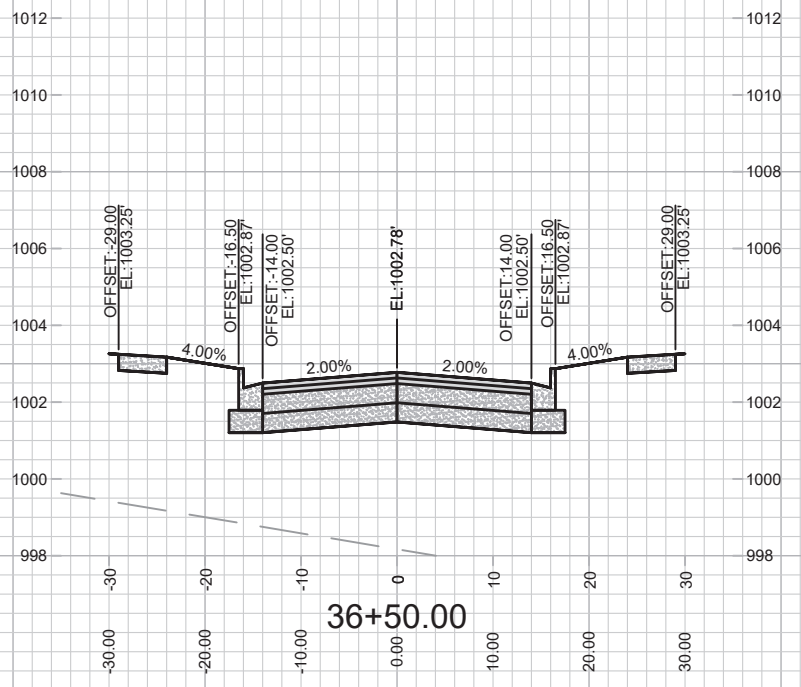
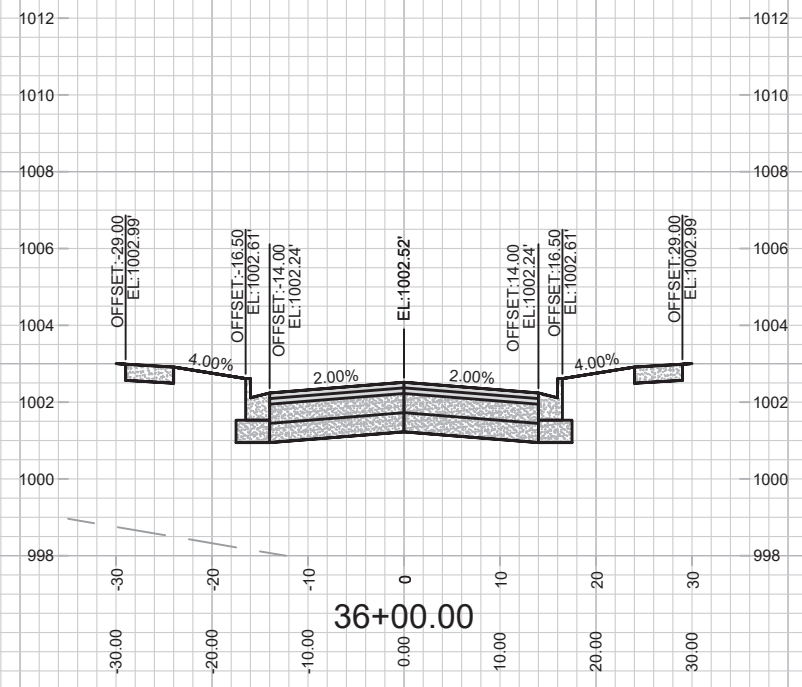
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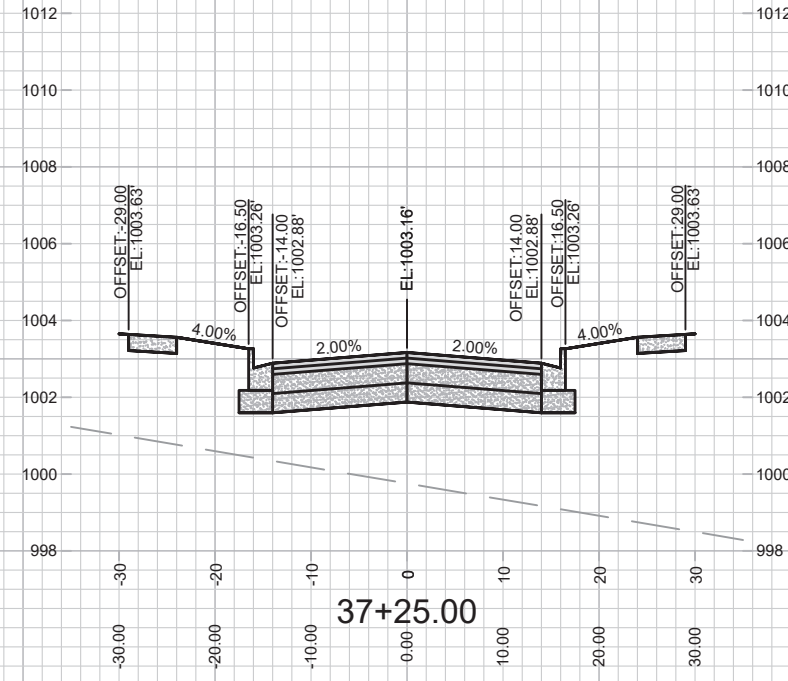
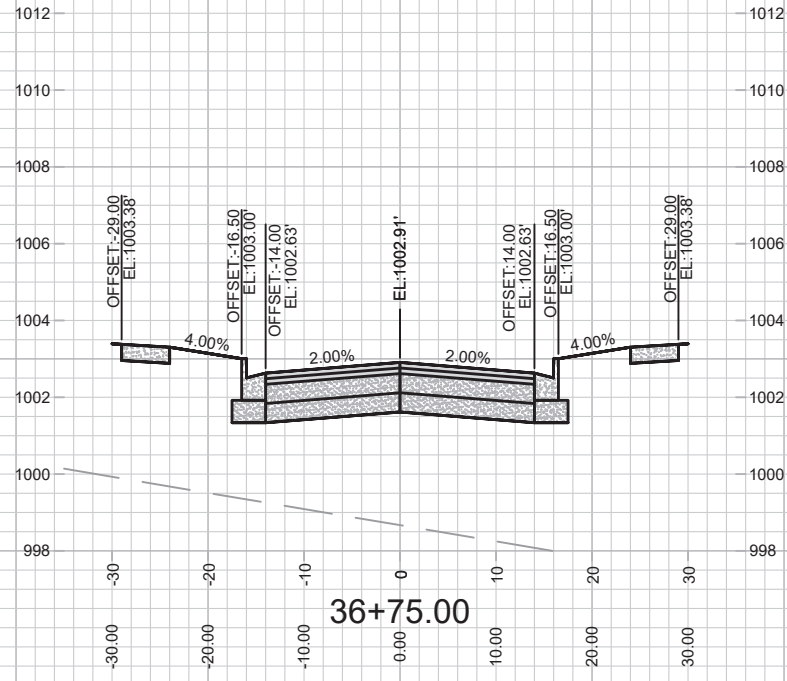
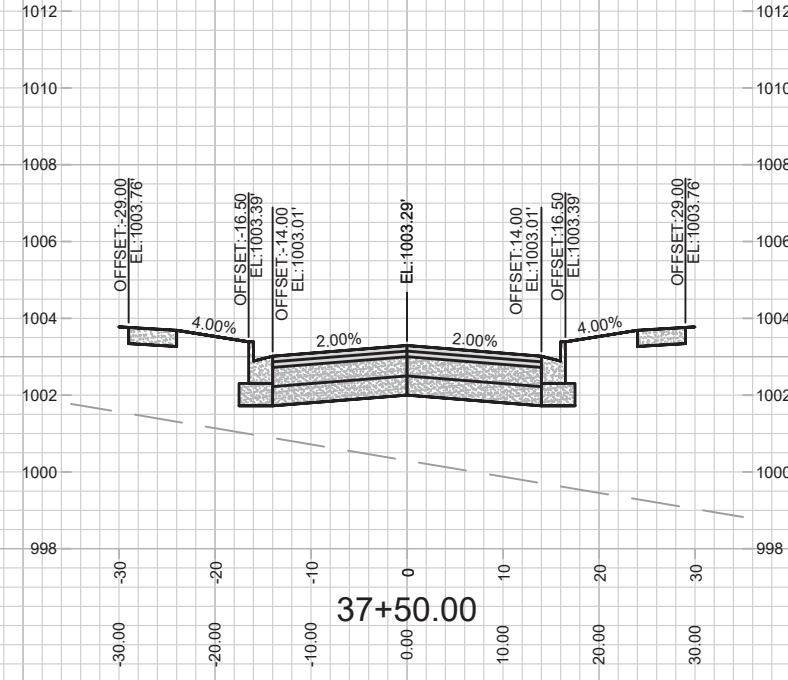
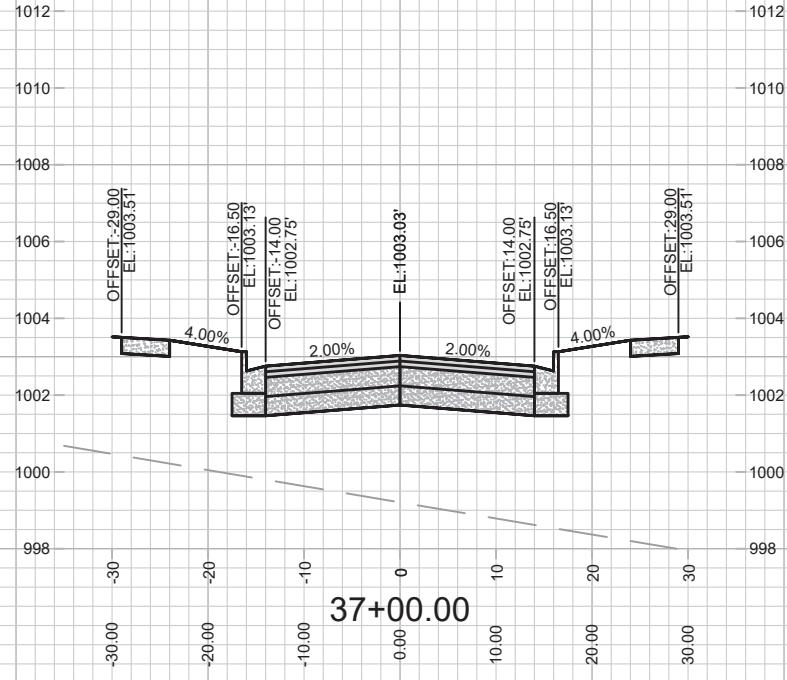
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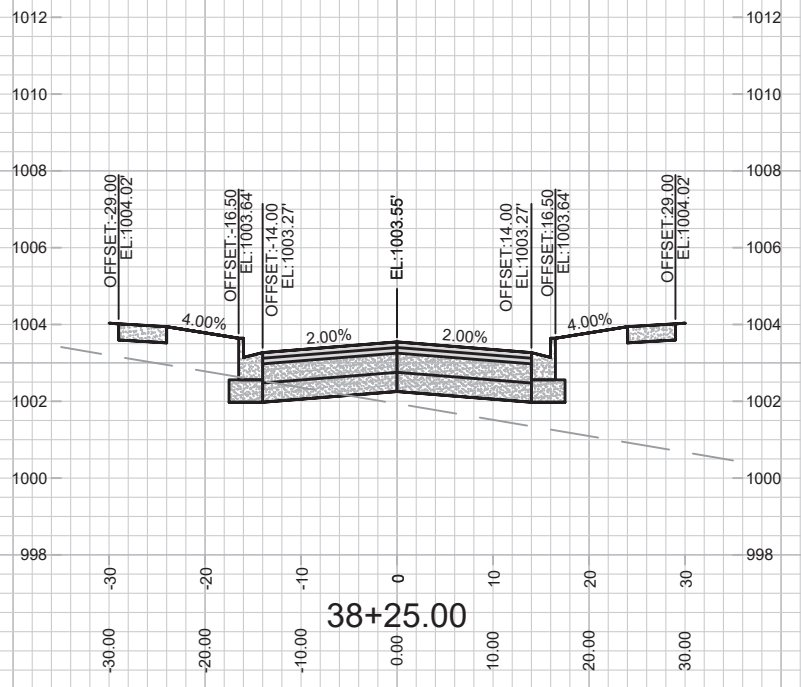
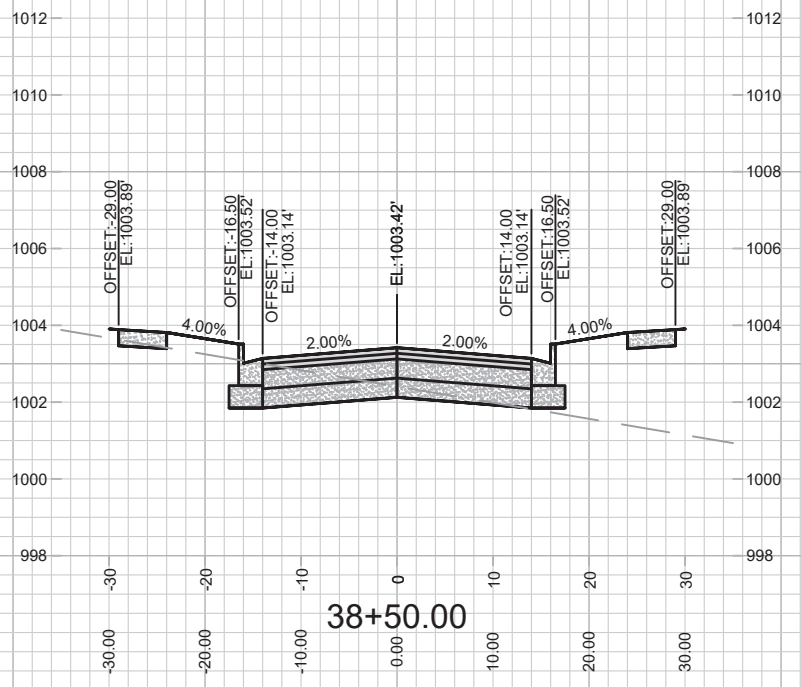
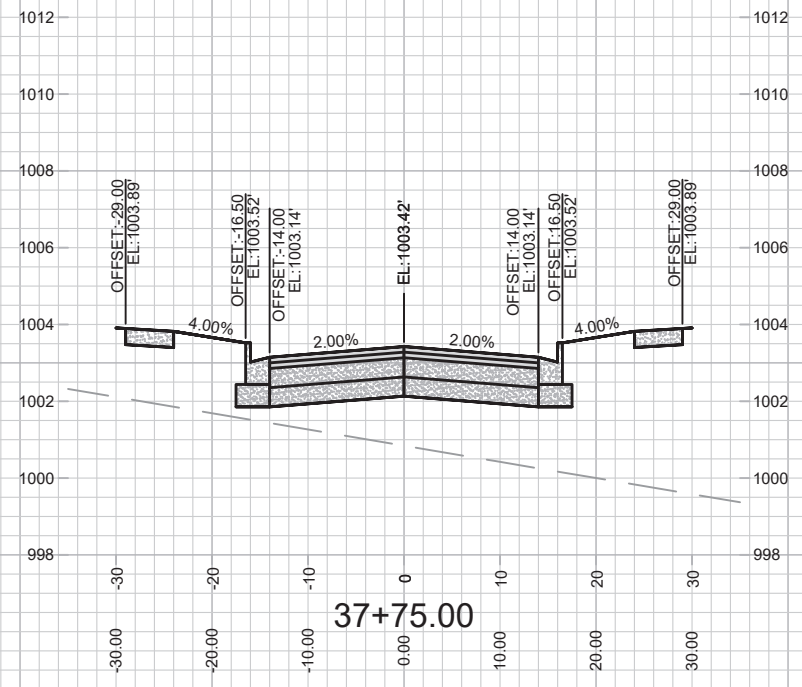
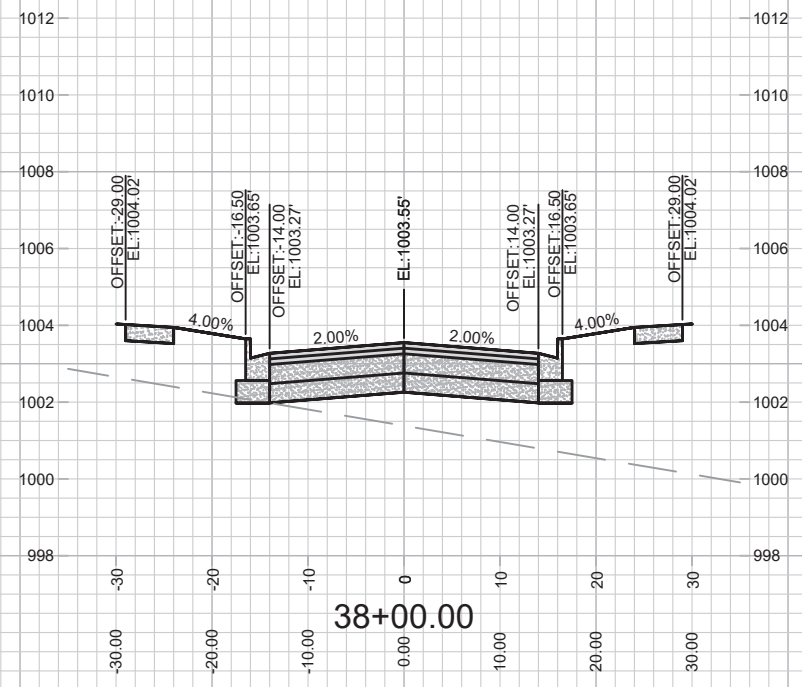
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NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
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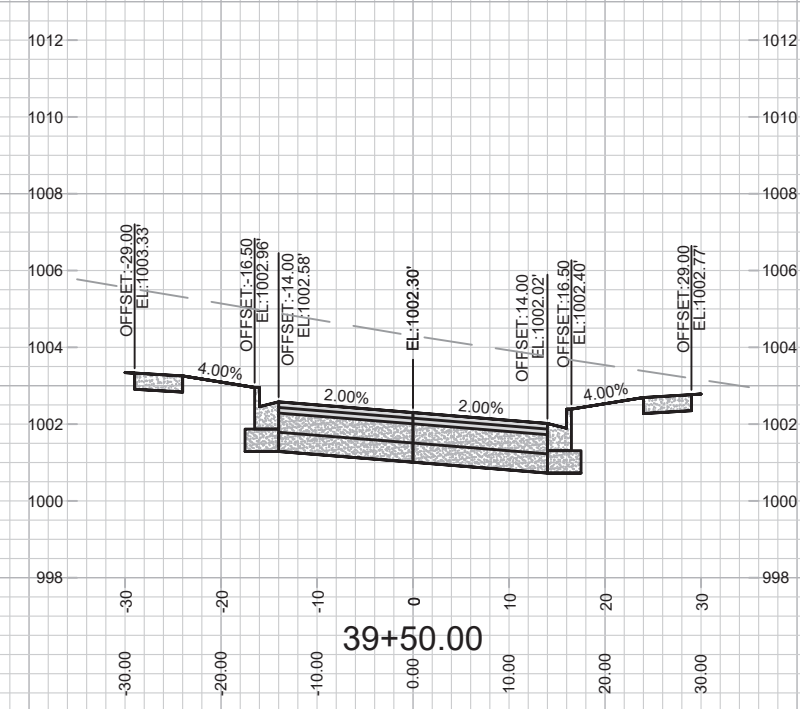
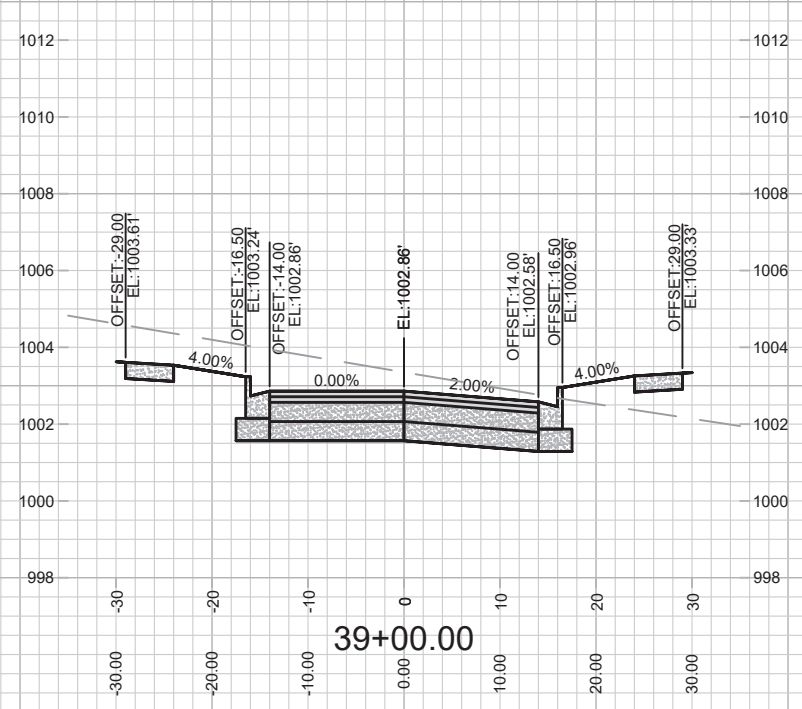
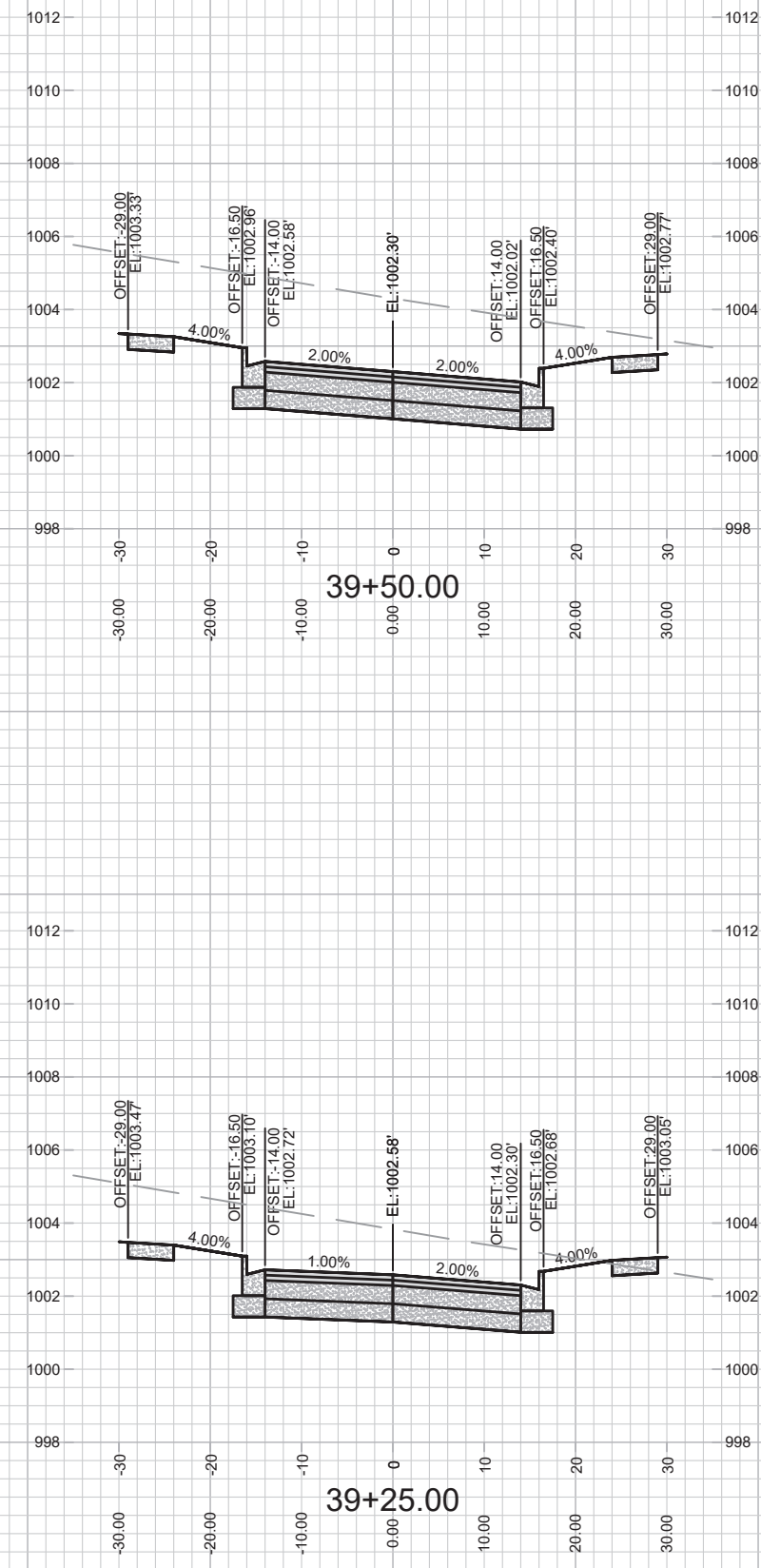
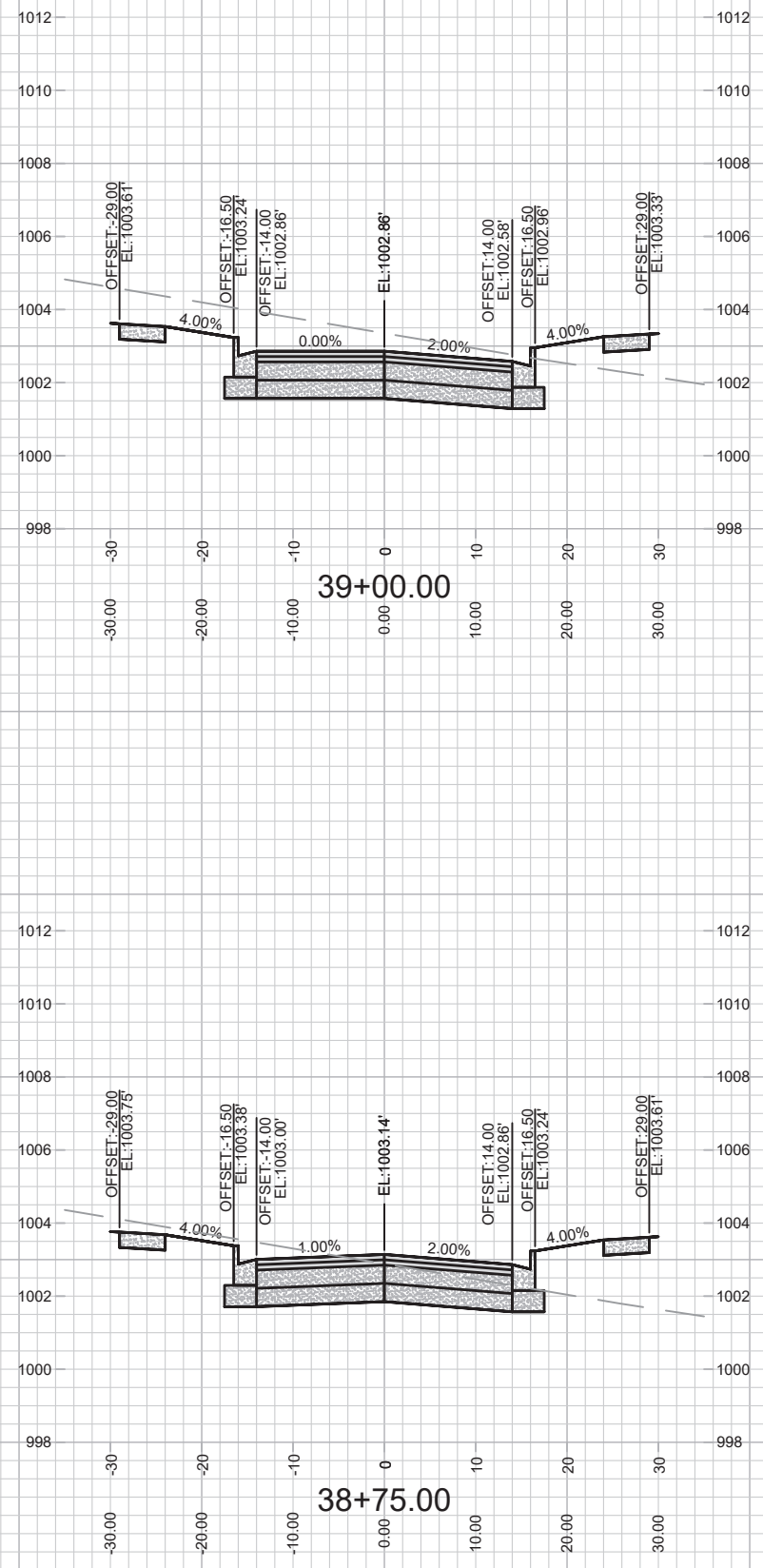
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MADISON, WI

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CROSS SECTIONS - ORION TRAIL

NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10

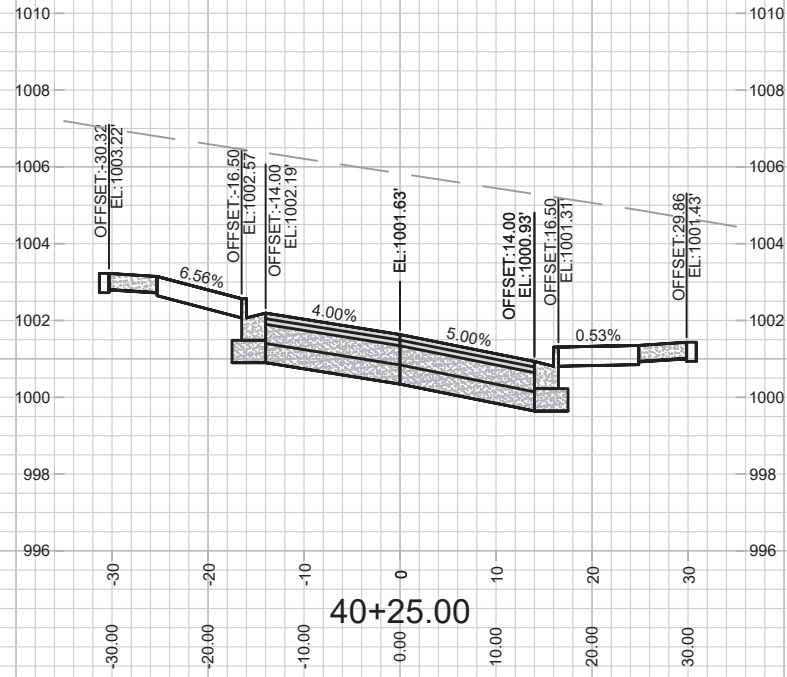
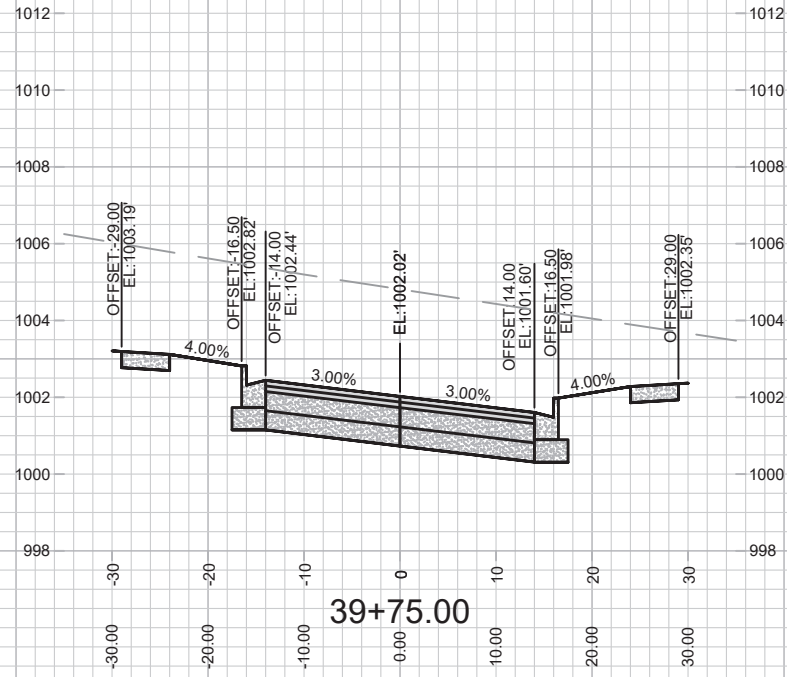
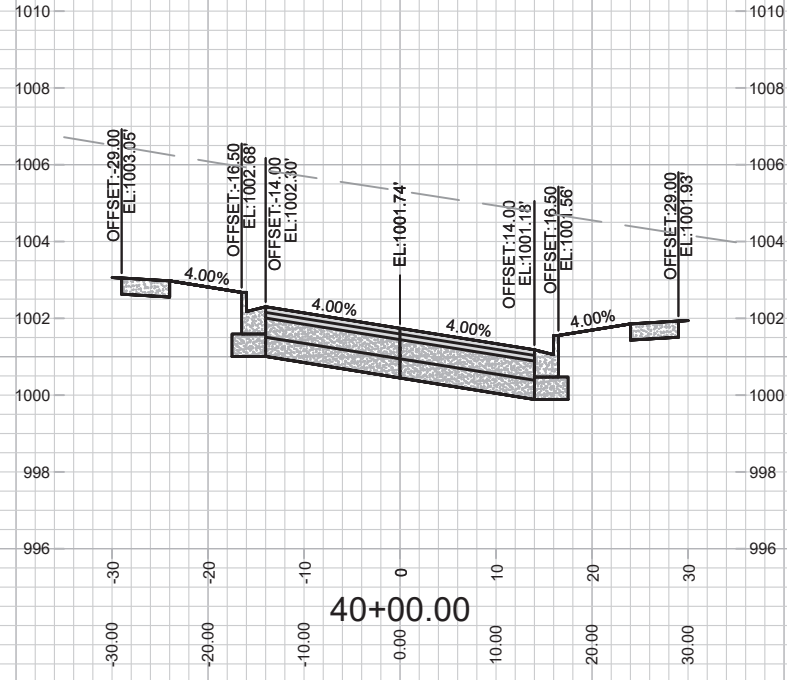
MADISON, WI

13854

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CONTRACT NO: 9094

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CROSS SECTIONS - ORION TRAIL
NORTH ADDITION TO GRANDVIEW COMMONS - PHASE 10
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