

Madison, Wisconsin

# CITY OF MADISON

## CITY ENGINEERING DIVISION

### DEPARTMENT OF PUBLIC WORKS

# PLAN OF PROPOSED IMPROVEMENT

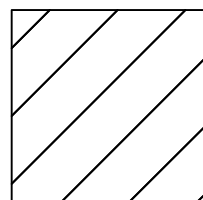
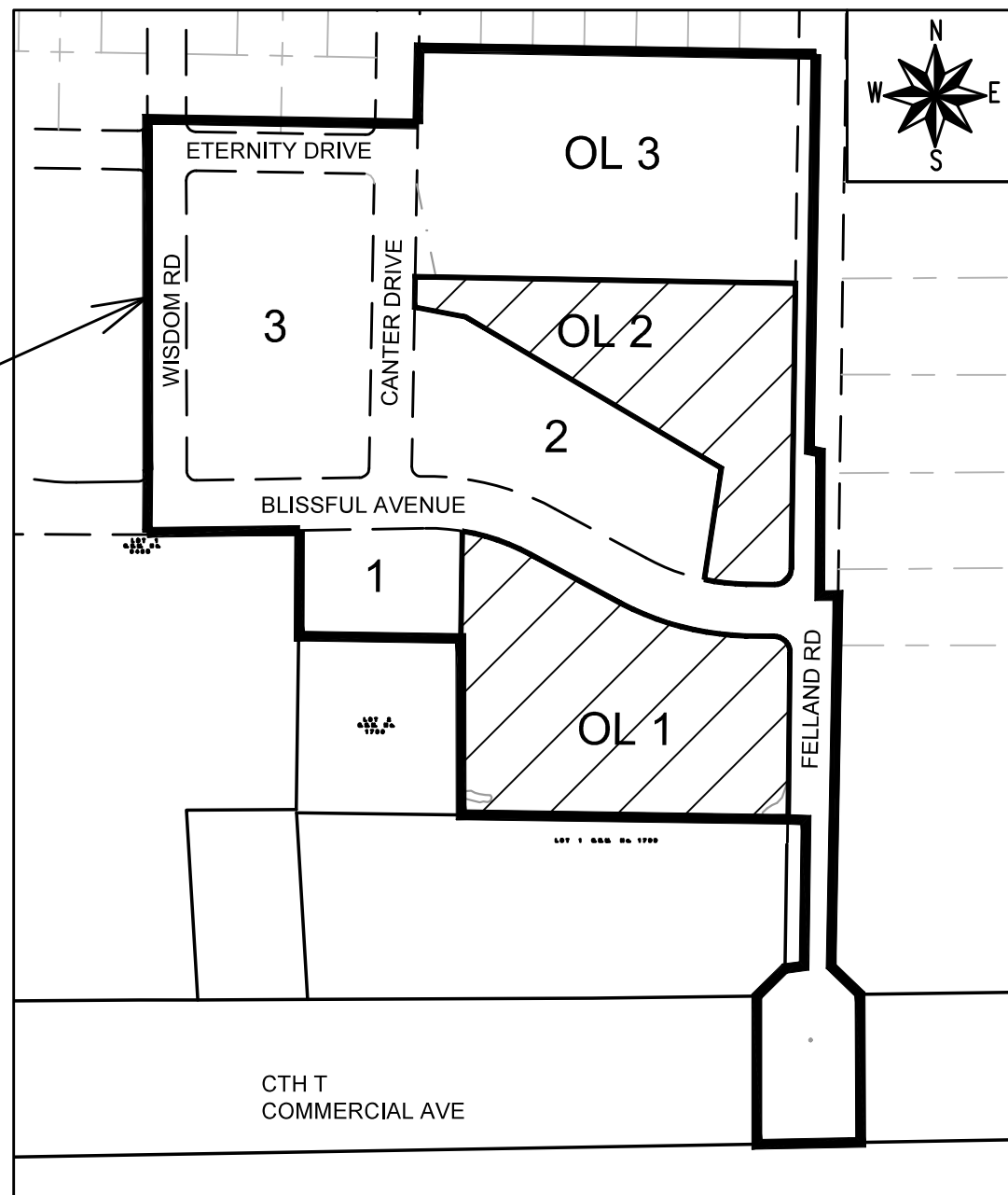
## JANNAH VILLAGE PHASE 1

CITY PROJECT NO. 12523  
CONTRACT NO. 8343

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**PROJECT LOCATION**



SEE PROJ. NO. 12524,  
CONT. NO. 8344 FOR  
STORMWATER  
MANAGEMENT PLAN.

PUBLIC IMPROVEMENT PROJECT  
APPROVED

MAY 18, 2021

BY THE COMMON COUNCIL  
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN  
APPROVED BY:

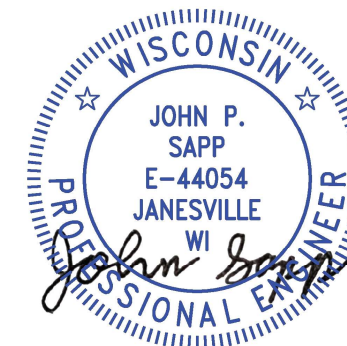
*Greg Fries*

Sep 16, 2021

City Engineer

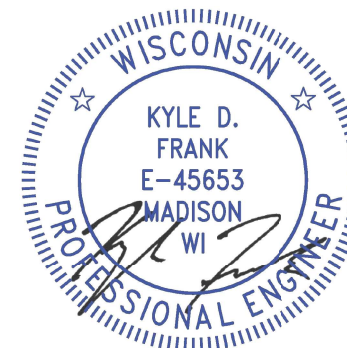
Date

STREET GRADES  
DESIGNED BY:



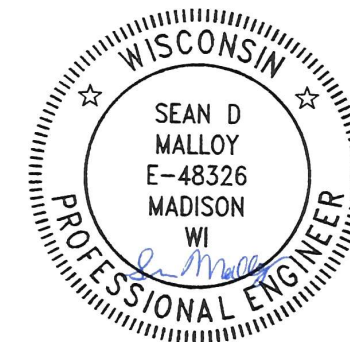
Sep 16, 2021

STORM & SANITARY SEWER  
DESIGNED BY:



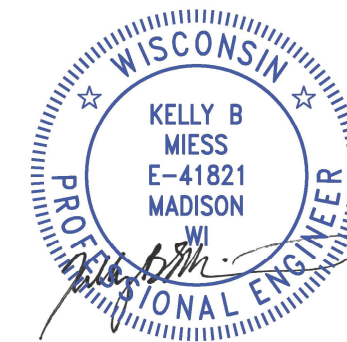
Sep 16, 2021

STREET GEOMETRICS & PAVEMENT  
MARKING DESIGNED BY:



Sep 16, 2021

WATER  
DESIGNED BY:



Sep 16, 2021

PLOT SCALE: 1" = 1'

PLOT NAME: ---

REV. DATE: 9/3/2021 10:59 AM




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 JOHN SAPP AT JSAPP@CITYOFMADISON.COM FOR CAD AND ALIGNMENT DATA PRIOR TO STAKING.

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

ALL PAVEMENT IN WISDOM RD ,ETERNITY DRIVE RIGHT-OF-WAY SHALL BE TYPE A PAVEMENT PER STANDARD DETAIL DRAWING 4.02

ALL PAVEMENT IN CANTER DRIVE RIGHT-OF-WAY SHALL BE TYPE B PAVEMENT PER STANDARD DETAIL DRAWING 4.02

ALL PAVEMENT IN BLISSFUL AVENUE AND FELLAND RD RIGHTS-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 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 BE LESS THAN 0.5% AND SHALL DRAIN TOWARD STORM SEWER INLETS. 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.

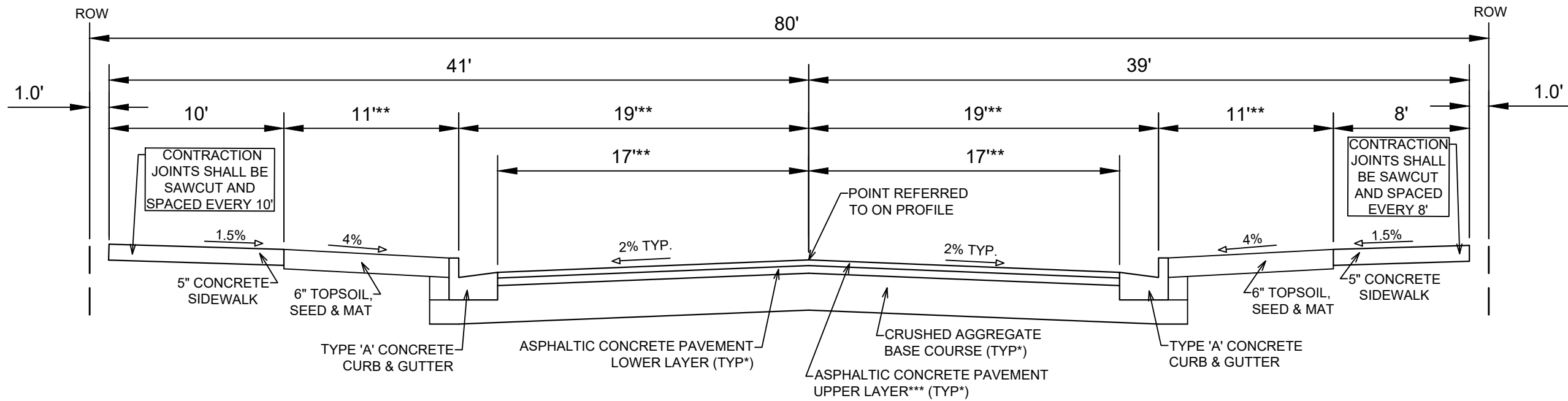
ALL WORK IN THE RIGHT OF WAY AND PUBLIC EASEMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

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Designed By: ##	Scale: #####		

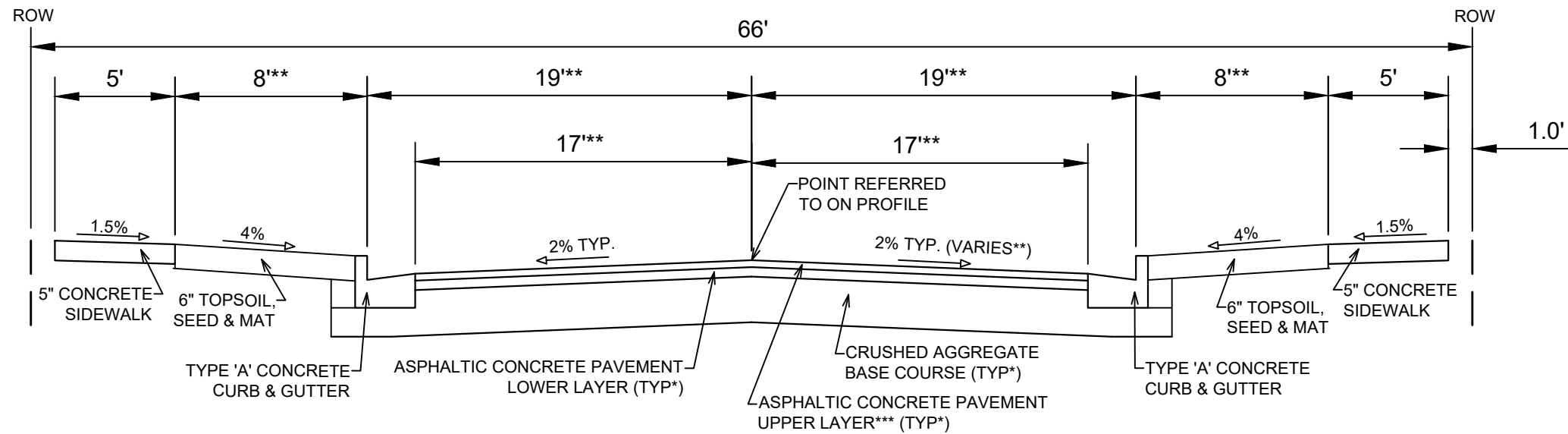
12523  
MADISON, WI  
8343  
CONTRACT NO:

GENERAL NOTES  
JANNAH VILLAGE PHASE 1  
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**TYPICAL SECTION**  
BLISSFUL AVENUE  
NOT TO SCALE



**TYPICAL SECTION**  
CANTER DR  
NOT TO SCALE

NOTES:

- \* BLISSFUL AVENUE SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \* CANTER DRIVE SHALL BE CONSTRUCTED AS TYPE 'B' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \*\* WIDTH VARIES AT BUMP-OUTS; SEE PLAN
- \*\*\* THE CITY SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 1

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

DATE	BY
REVISION	DATE
DESIGNED BY: ###	DATE: 9/27/2021 8:37 AM
MARK	Scale: #####
12523	D-2

12523  
MADISON, WI  
8343  
CONTRACT NO:

TYPICAL SECTION  
JANNAH VILLAGE PHASE 1  
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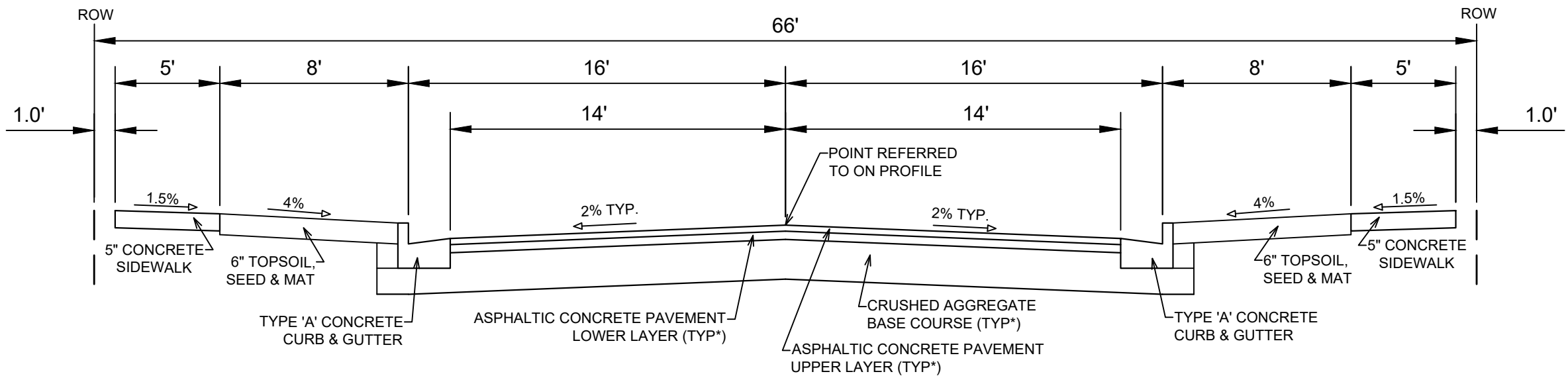
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12523  
MADISON, WI  
8343  
CONTRACT NO:

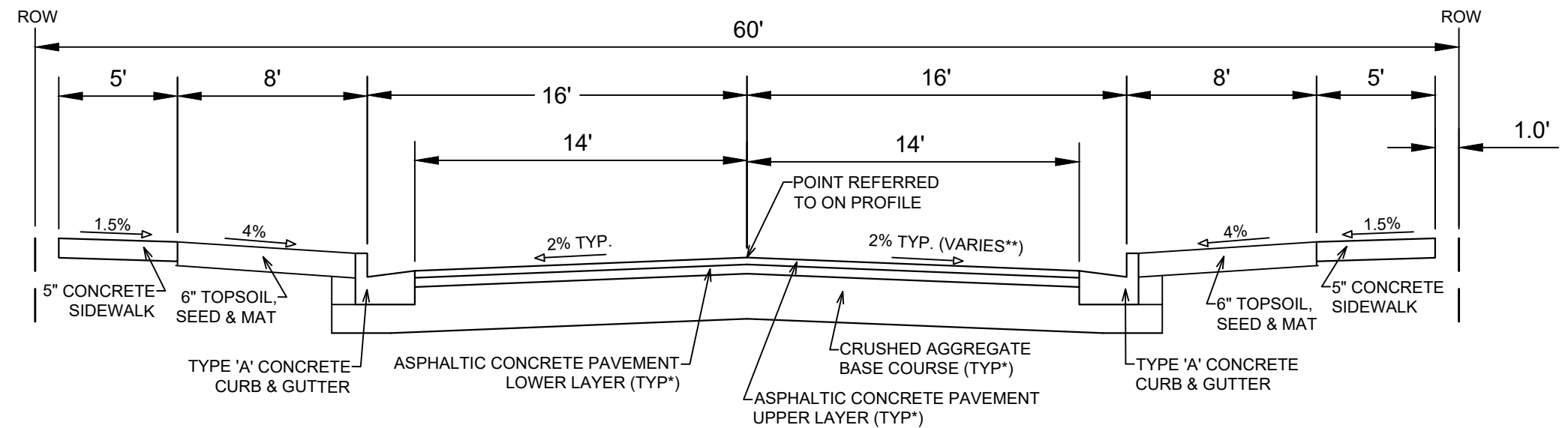
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JANNAH VILLAGE PHASE 1  
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12523  
D-3



**TYPICAL SECTION**  
WISDOM RD  
NOT TO SCALE



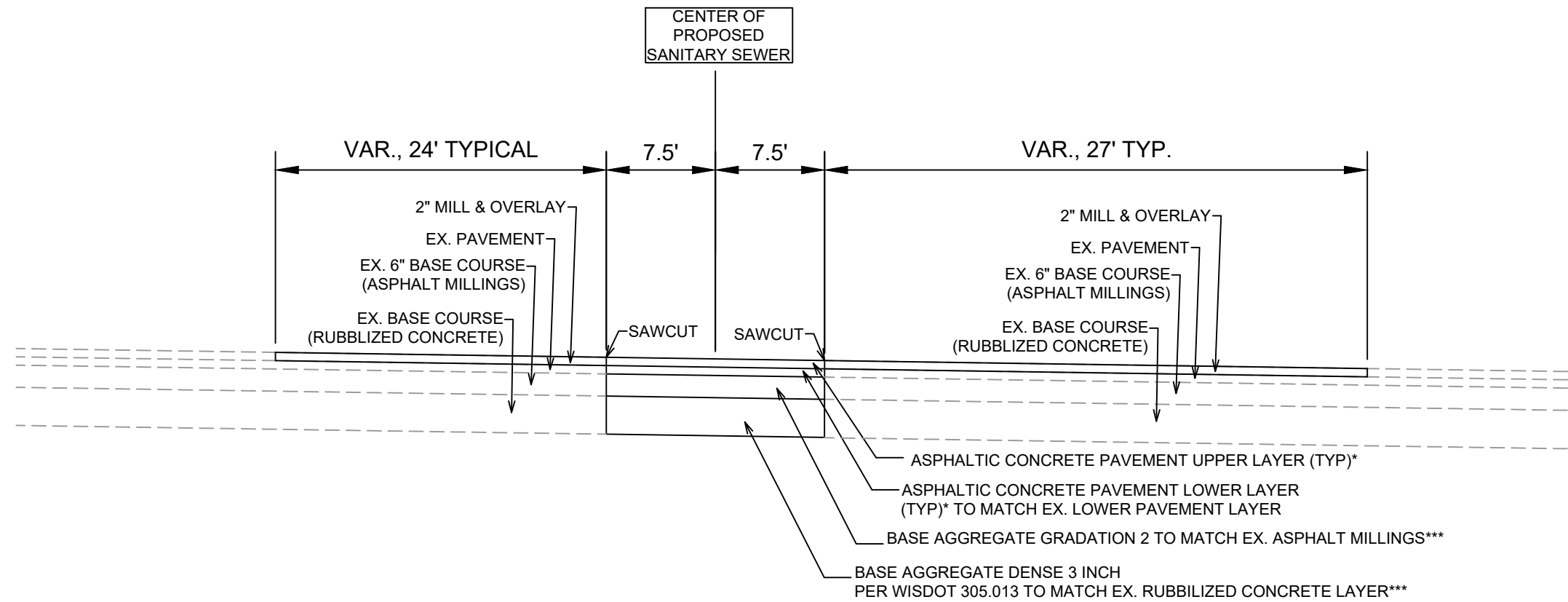
**TYPICAL SECTION**  
ETERNITY DRIVE  
NOT TO SCALE

NOTES:

- \* ETERNITY DRIVE SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \* WISDOM RD SHALL BE CONSTRUCTED AS TYPE 'A' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \* THE CITY SHALL BE RESPONSIBLE FOR SURFACE PAVING ALL OF PHASE 1 (PROJECT NO.12523, CONTRACT NO.8343)

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



**TYPICAL SECTION**  
**FELLAND RD. THROUGH COUNTY HIGHWAY T**  
**STA 0+78 TO STA 1+90**

**NOTES:**

\* FELLAND ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN

\*\* SEE PLANS FOR DIMENSIONS

\*\*\* BASE MATERIALS MUST BE REPLACED IN KIND.  
 CONTACT KEVIN ESLICK AT 608-206-0017 24 HOURS PRIOR TO STARTING THE WORK

CITY OF MADISON MINIMUM PAVEMENT DESIGN †

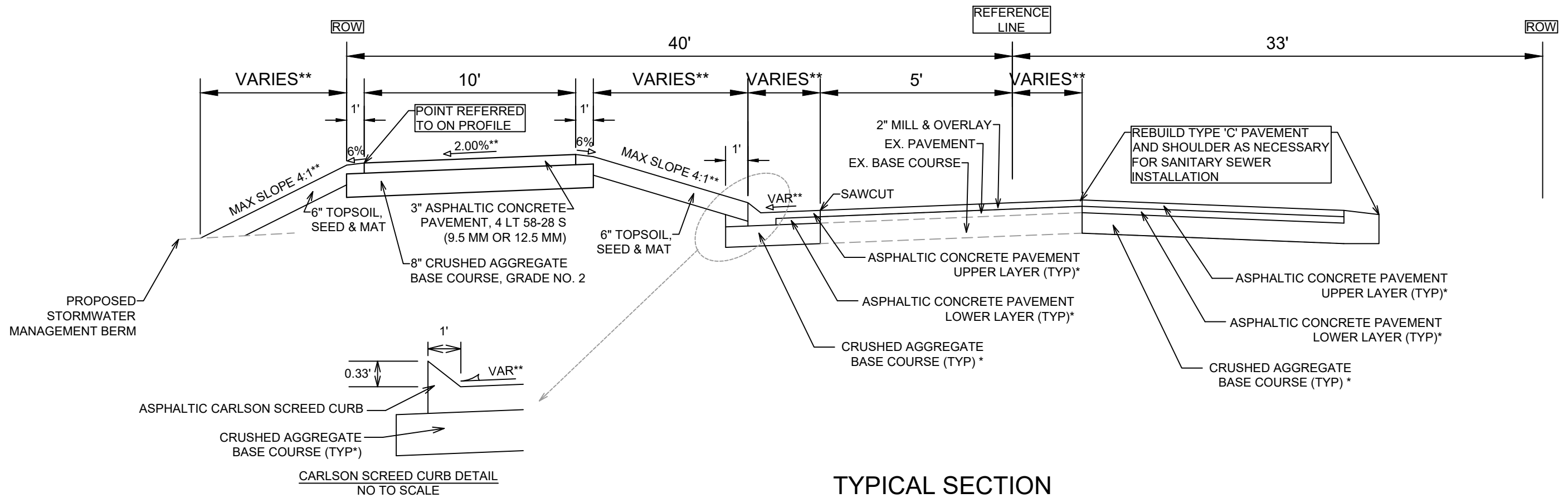
TYPE	ASPHALTIC CONCRETE PAVEMENT			
	LOWER LAYER		UPPER LAYER	
	TYPE	THICKNESS	TYPE	THICKNESS
C	3 MT 58-28 S/H	3.50"	4 MT 58-28 S/H	2.00"

MARK	REVISION	DATE	BY
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12523  
 MADISON, WI  
 8343  
 CONTRACT NO:  
 JANNAH VILLAGE PHASE 1  
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12523  
 D-4



**TYPICAL SECTION**  
**FELLAND RD.**  
**(STA 5+23 TO STA 9+00)**

**NOTES:**

- \* FELLAND ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \*\* SEE CROSS SECTIONS FOR SLOPES, DIMENSIONS, OFFSETS, AND ELEVATIONS

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

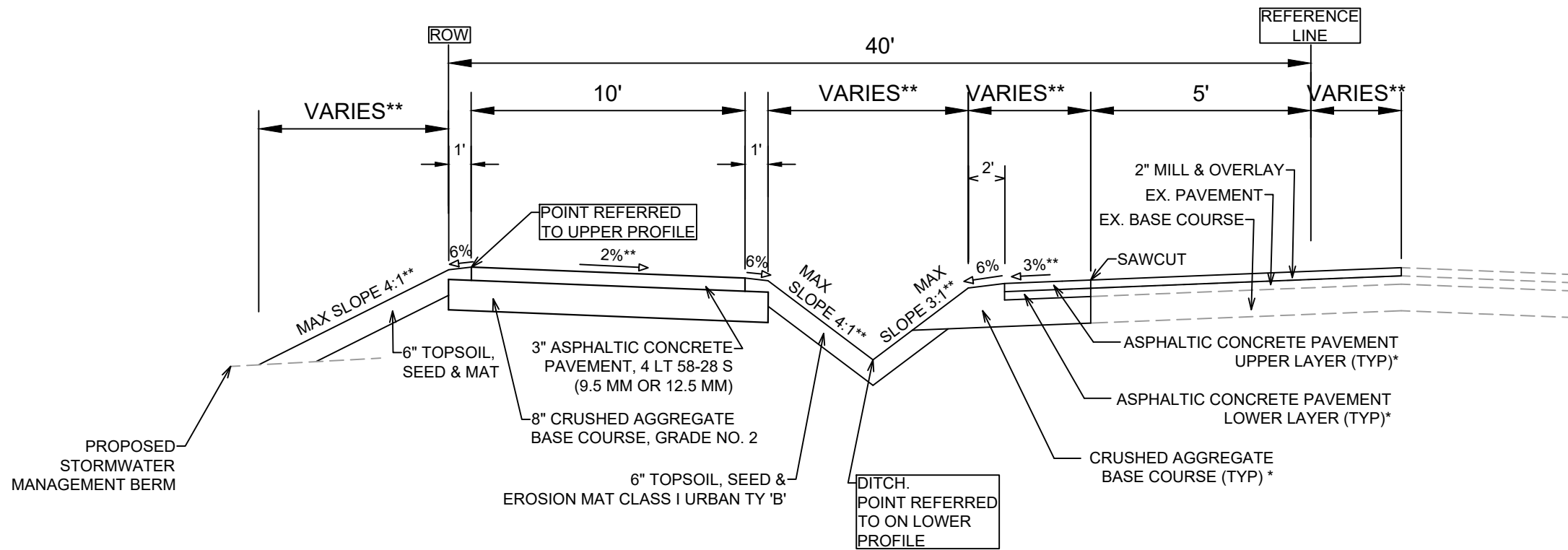
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12523  
MADISON, WI  
8343  
CONTRACT NO:

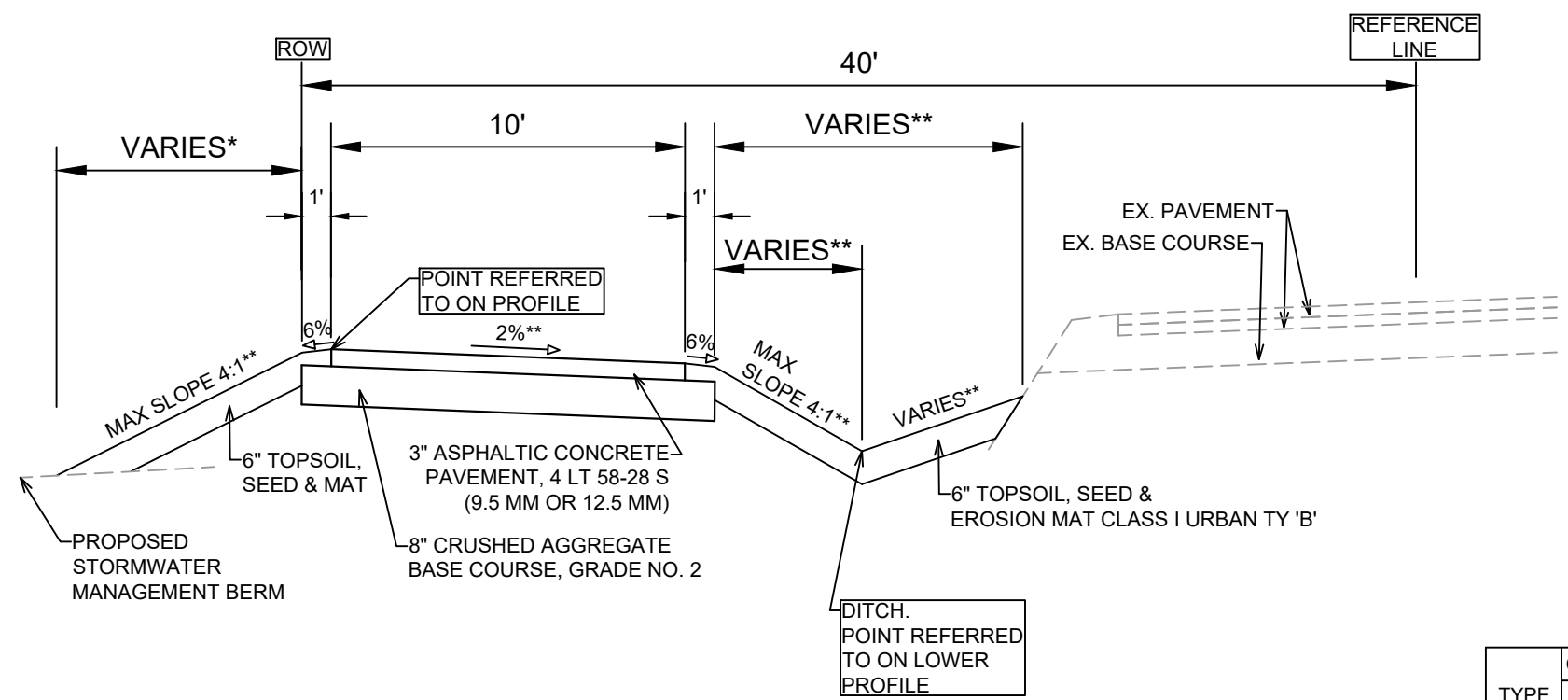
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JANNAH VILLAGE PHASE 1  
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12523  
D-5



**TYPICAL SECTION**  
**FELLAND RD.**  
**(STA 9+00 TO 10+47)**



**TYPICAL SECTION**  
**FELLAND RD.**  
**(STA 10+47 TO 16+50)**

**NOTES:**

- \* FELLAND ROAD SHALL BE CONSTRUCTED AS TYPE 'C' PAVEMENT PER CITY OF MADISON MINIMUM PAVEMENT DESIGN
- \*\* SEE CROSS SECTIONS FOR SLOPES, DIMENSIONS, OFFSETS, AND ELEVATIONS

**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	3.50"	4 MT 58-28 S/H	2.00"



TYPICAL SECTION  
 JANNAH VILLAGE PHASE 1  
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 12523  
 MADISON, WI  
 8343  
 CONTRACT NO:  
 D-6



12523  
 D-6

M-1 M-2

Felland Road

Replace 4" White Epoxy Edgeline as Needed

Replace 4' Double Yellow Epoxy as Needed

Replace 24" Stop Epoxy as Needed

Replace 10' Line X 30' Gap 4" Yellow Epoxy as Needed

Replace 4" Yellow Epoxy as Needed

Replace 10' Line X 30' Gap 6" Yellow Epoxy as Needed

Commercial Avenue (CTH T)

11'  
12'  
4'

10'  
5'  
11'  
11'  
12'

Replace 6" White Epoxy as Needed

Replace 12.5' Line X 37.5' Gap White Epoxy as Needed



MARK	REVISION	DATE	BY
12523	Designed By: SDM	Date: 8/31/2021 10:24 AM	Scale: 1:20
			M-1

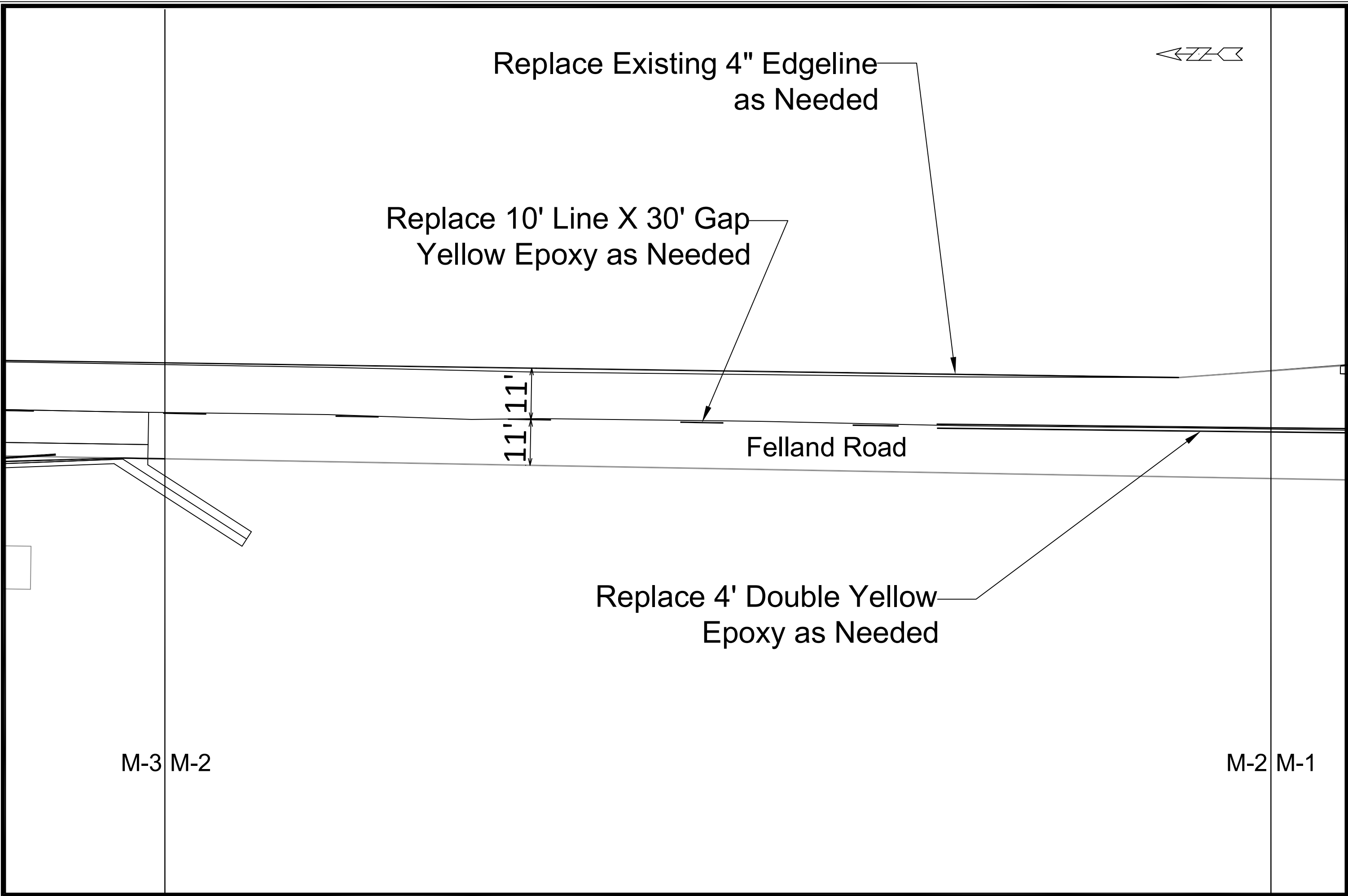
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MADISON, WI  
8343  
CONTRACT NO:

MARKING PLAN  
JANNAH VILLAGE PHASE 1  
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12523  
M-1





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12523  
 MADISON, WI  
 8343  
 CONTRACT NO:

MARKING PLAN  
 JANNAH VILLAGE PHASE 1  
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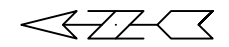


12523  
 M-2

Replace Existing 4" Edgeline as Needed

Replace Existing 4" Edgeline as Needed

Replace 10' Line X 30' Gap 6" Yellow Epoxy as Needed



11'

Felland Road

Install 12" Crosswalk Epoxy 17'

8'

5'

Install 24" Stop Epoxy

Blissful Avenue

M-4 M-3

Install 4" Edgeline Epoxy

Remove Existing 4" Edgeline

M-3 M-2

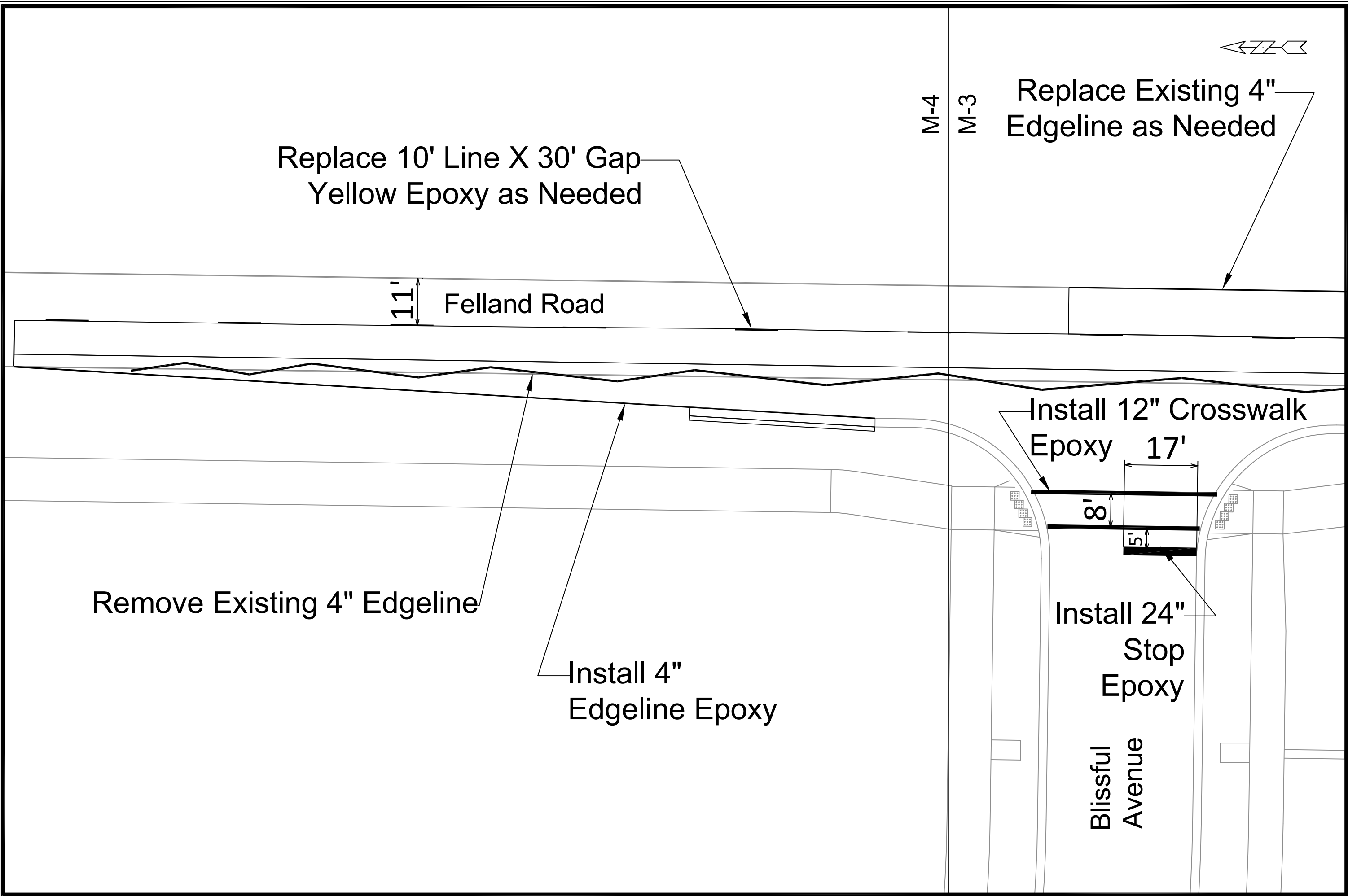
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12523  
MADISON, WI  
8343  
CONTRACT NO:

MARKING PLAN  
JANNAH VILLAGE PHASE 1  
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12523  
M-3



M-4

M-3

Replace Existing 4" Edgeline as Needed

Replace 10' Line X 30' Gap Yellow Epoxy as Needed

11' Felland Road

Remove Existing 4" Edgeline

Install 4" Edgeline Epoxy

Install 12" Crosswalk Epoxy 17'


8'

5'

Install 24" Stop Epoxy

Blissful Avenue

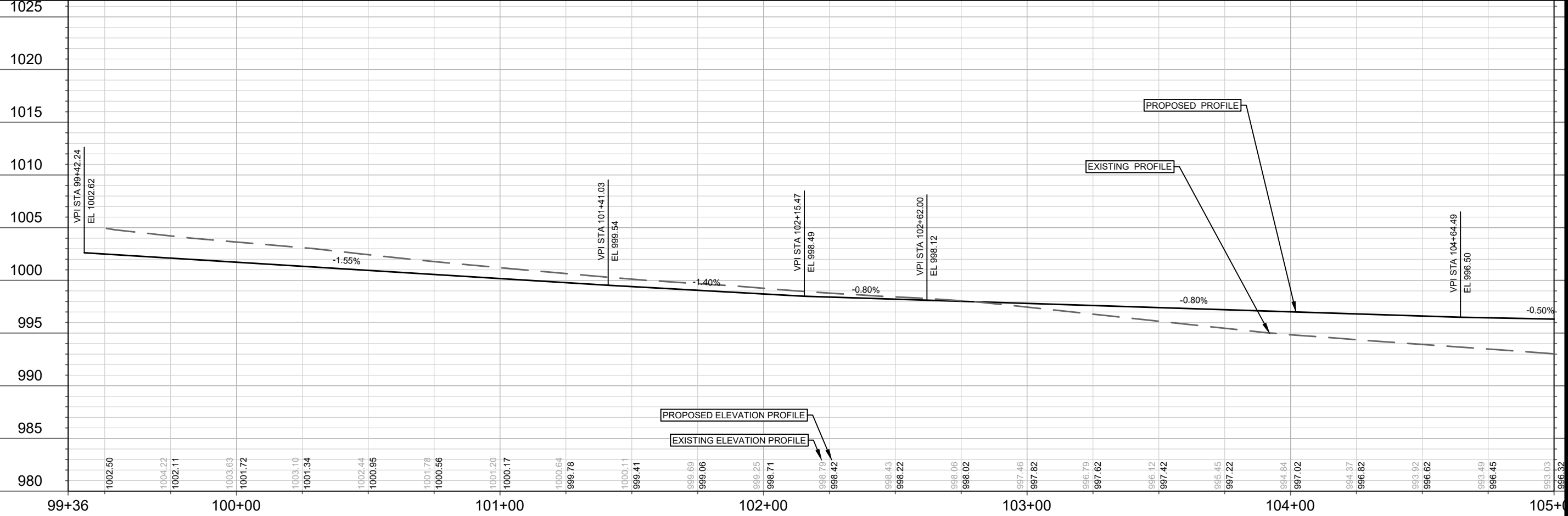
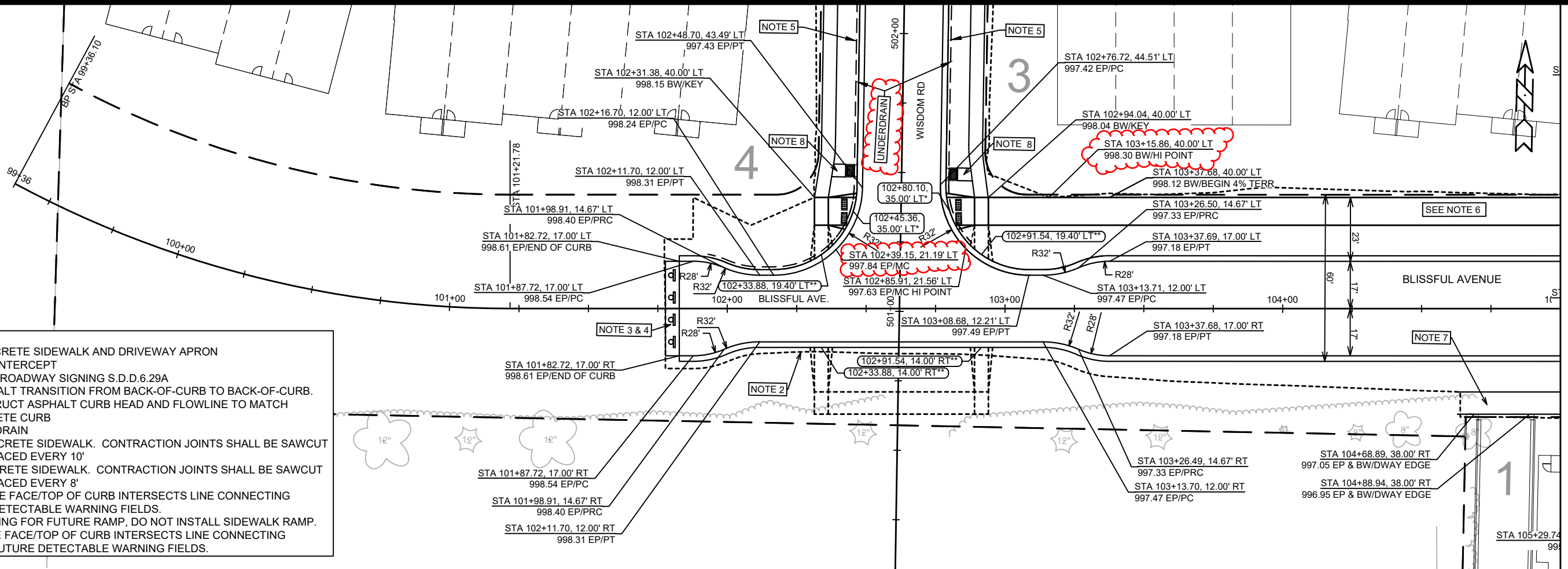


	12523	12523
	M-4	M-4
JANNAH VILLAGE PHASE 1 <small>M:\DESIGN\Projects\12523\CAD\Traffic\12523TE-PavementMarking.dwg</small>	MADISON, WI	8343
	CONTRACT NO:	
MARKING PLAN	12523	M-4

**NOTE**

- 7" CONCRETE SIDEWALK AND DRIVEWAY APRON
- SLOPE INTERCEPT
- END OF ROADWAY SIGNING S.D.D.6.29A
- 5' ASPHALT TRANSITION FROM BACK-OF-CURB TO BACK-OF-CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB
- UNDERDRAIN
- 10' CONCRETE SIDEWALK. CONTRACTION JOINTS SHALL BE SAWCUT AND SPACED EVERY 10'
- 8' CONCRETE SIDEWALK. CONTRACTION JOINTS SHALL BE SAWCUT AND SPACED EVERY 8'

\*POINT WHERE FACE/TOP OF CURB INTERSECTS LINE CONNECTING CENTER OF DETECTABLE WARNING FIELDS.  
 \*\*CURB OPENING FOR FUTURE RAMP, DO NOT INSTALL SIDEWALK RAMP. POINT WHERE FACE/TOP OF CURB INTERSECTS LINE CONNECTING CENTER OF FUTURE DETECTABLE WARNING FIELDS.



MATCH LINE 105+00.00

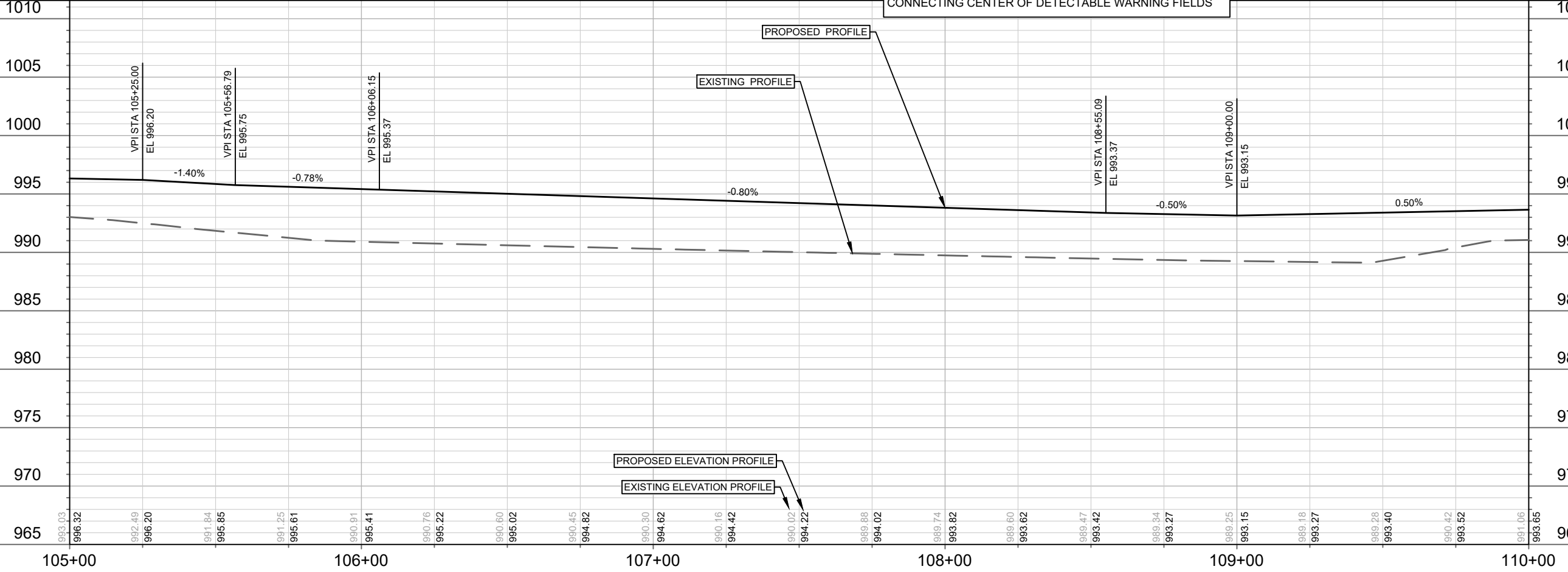
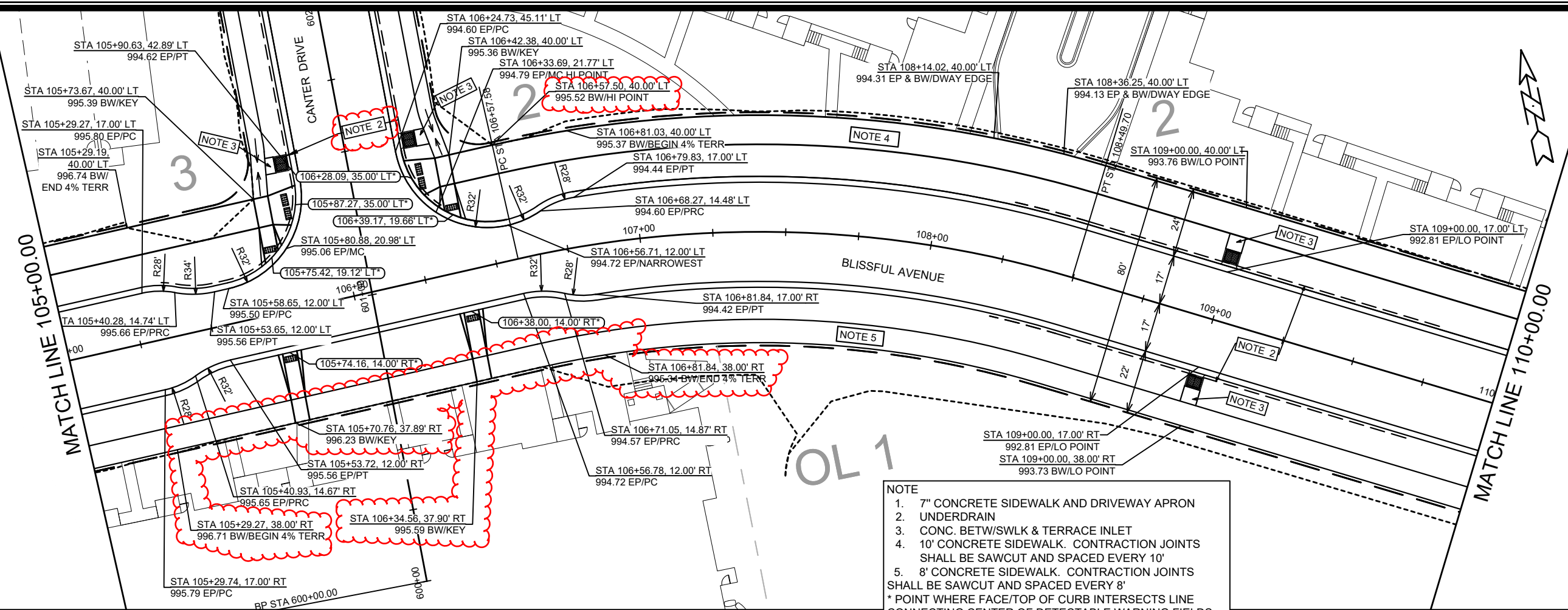
DATE	BY
REVISION	Scale: #####
MARK	12523
Designed By: ###	P-1

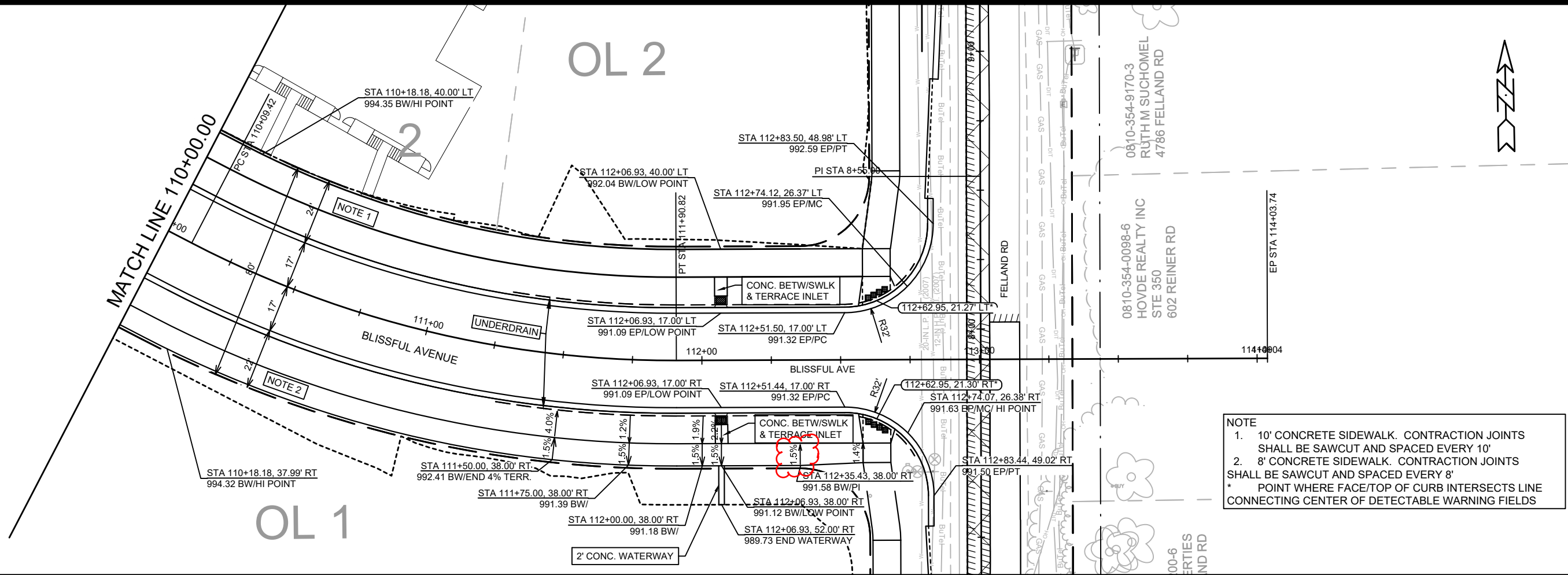
12523  
 MADISON, WI  
 8343  
 CONTRACT NO:

BLISSFUL AVENUE-PLAN & PROFILE  
 JANNAH VILLAGE PHASE 1  
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12523  
 P-1

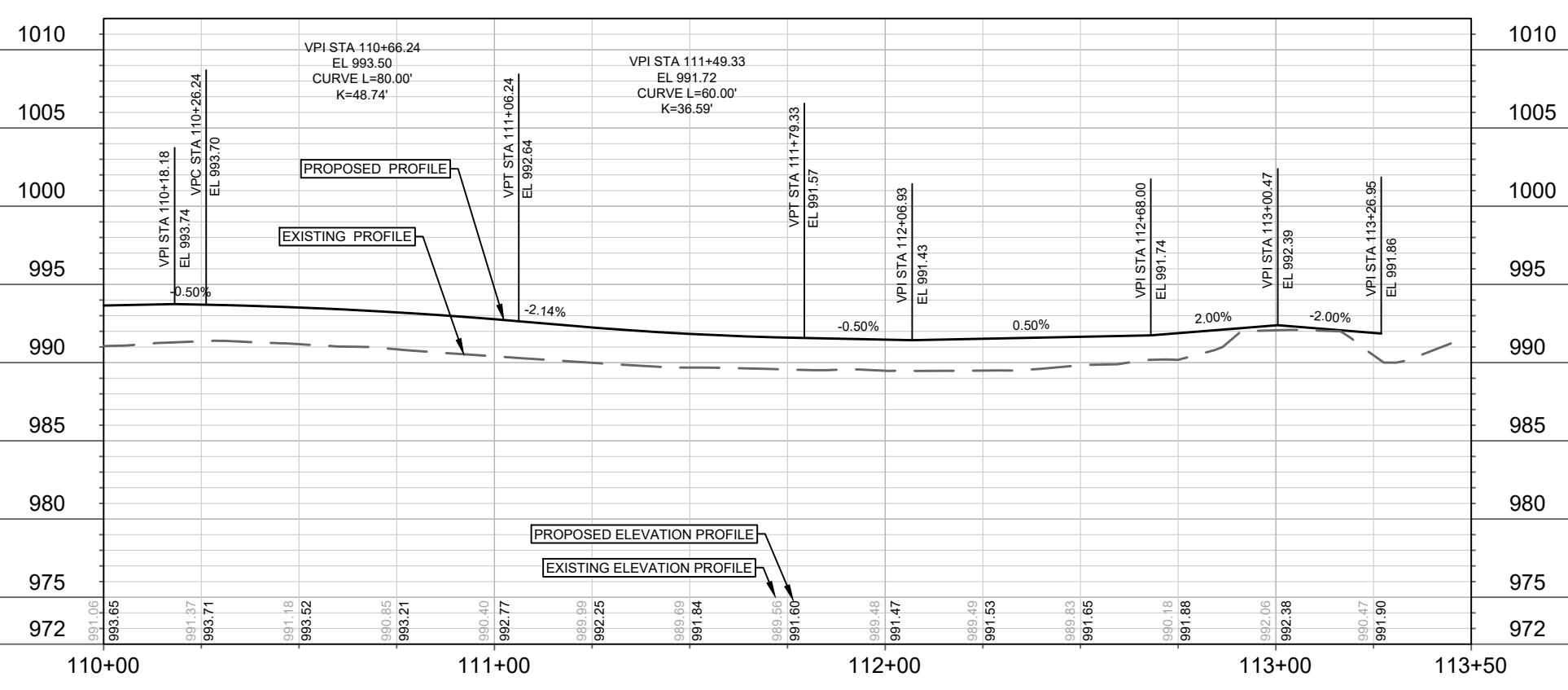




**NOTE**

- 10' CONCRETE SIDEWALK. CONTRACTION JOINTS SHALL BE SAWCUT AND SPACED EVERY 10'
- 8' CONCRETE SIDEWALK. CONTRACTION JOINTS SHALL BE SAWCUT AND SPACED EVERY 8'

\* POINT WHERE FACE/TOP OF CURB INTERSECTS LINE CONNECTING CENTER OF DETECTABLE WARNING FIELDS



12523  
MADISON, WI  
CONTRACT NO: 8343

BLISSFUL AVENUE-PLAN & PROFILE  
JANNAH VILLAGE PHASE 1

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12523  
P-3

MARK	REVISION	DATE	BY
1	UNDNRN, SDWLK, PRIV SITE PLAN	11/2/2022	JPS

Designed By: ###  
Date: 11/4/2021 2:23 PM  
Scale: #####  
P-3

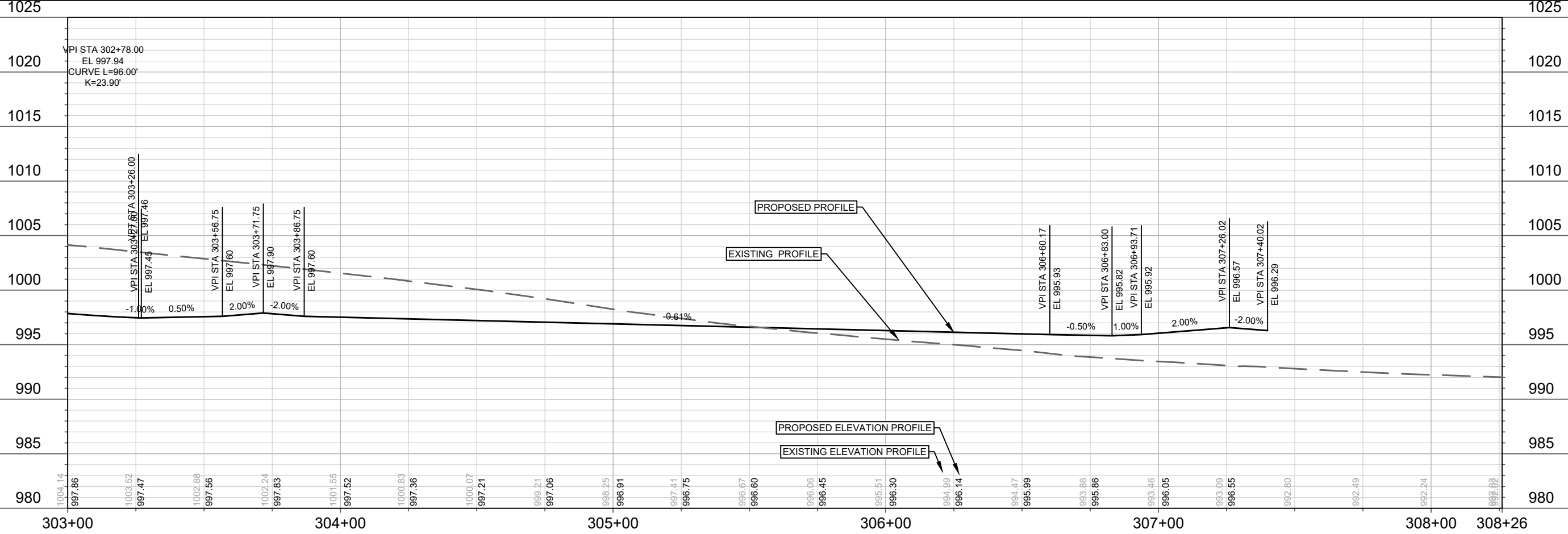
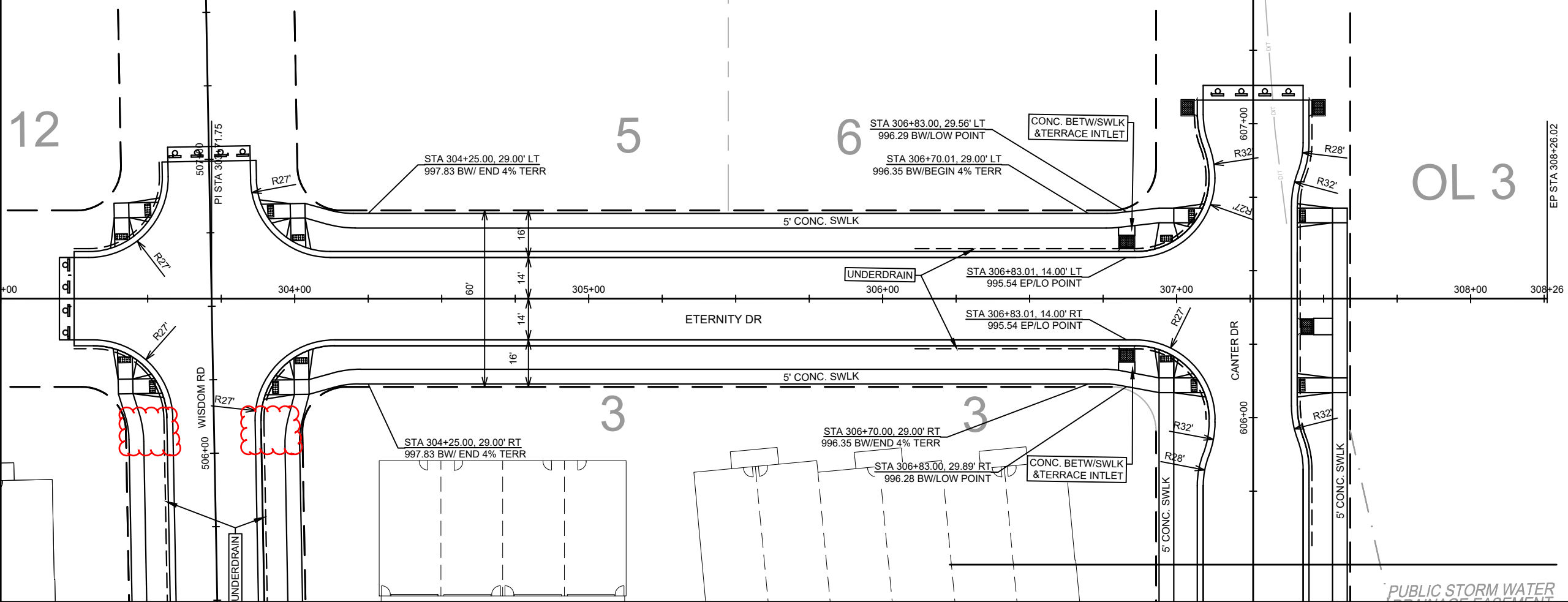
MATCH LINE 303+00.00

12

5

6

OL 3



REVISION	DATE	BY
1	11/2/21	JFS
2	01/28/22	JFS

REM. TERR. CONC. (TERR. INCL. REM.)  
 UNDRN. SDWLK. PRIV. SITE PLAN

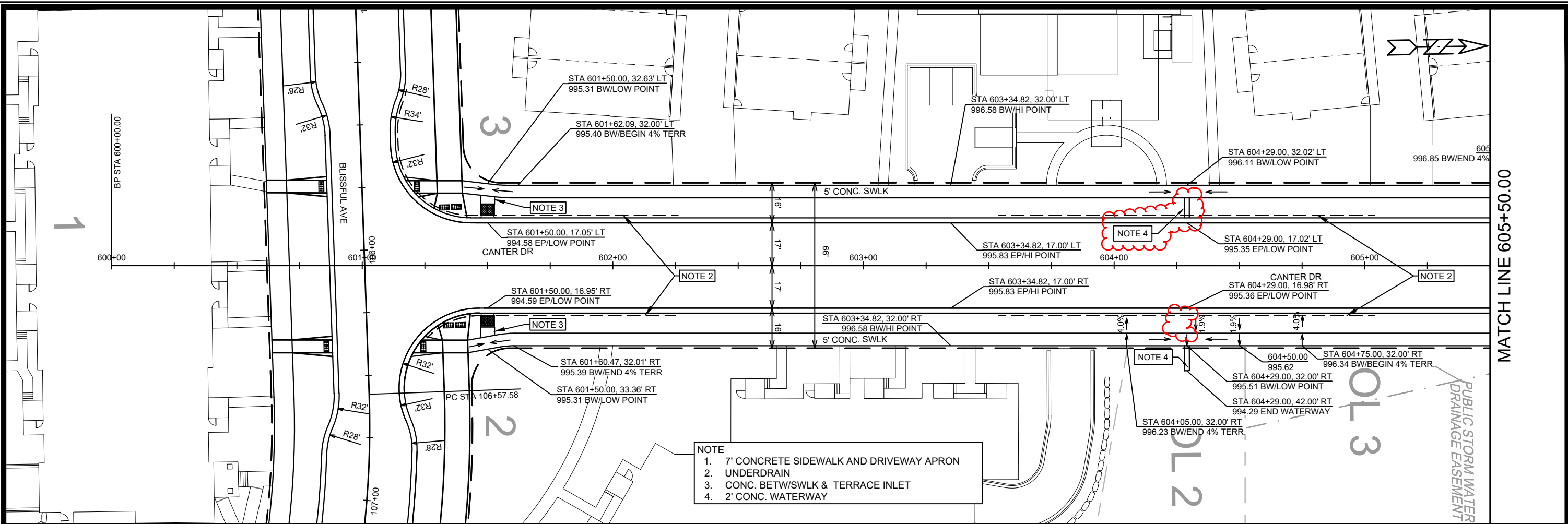
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12523  
 MADISON, WI  
 CONTRACT NO: 8343

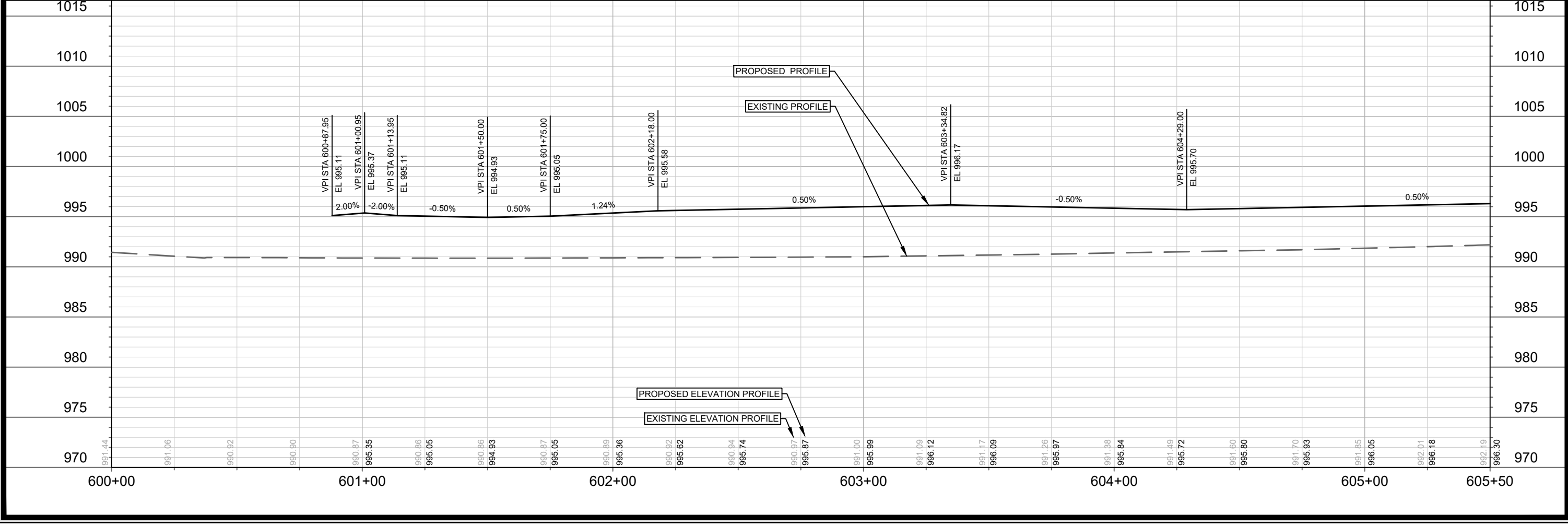
ETERNITY DRIVE-PLAN & PROFILE  
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12523  
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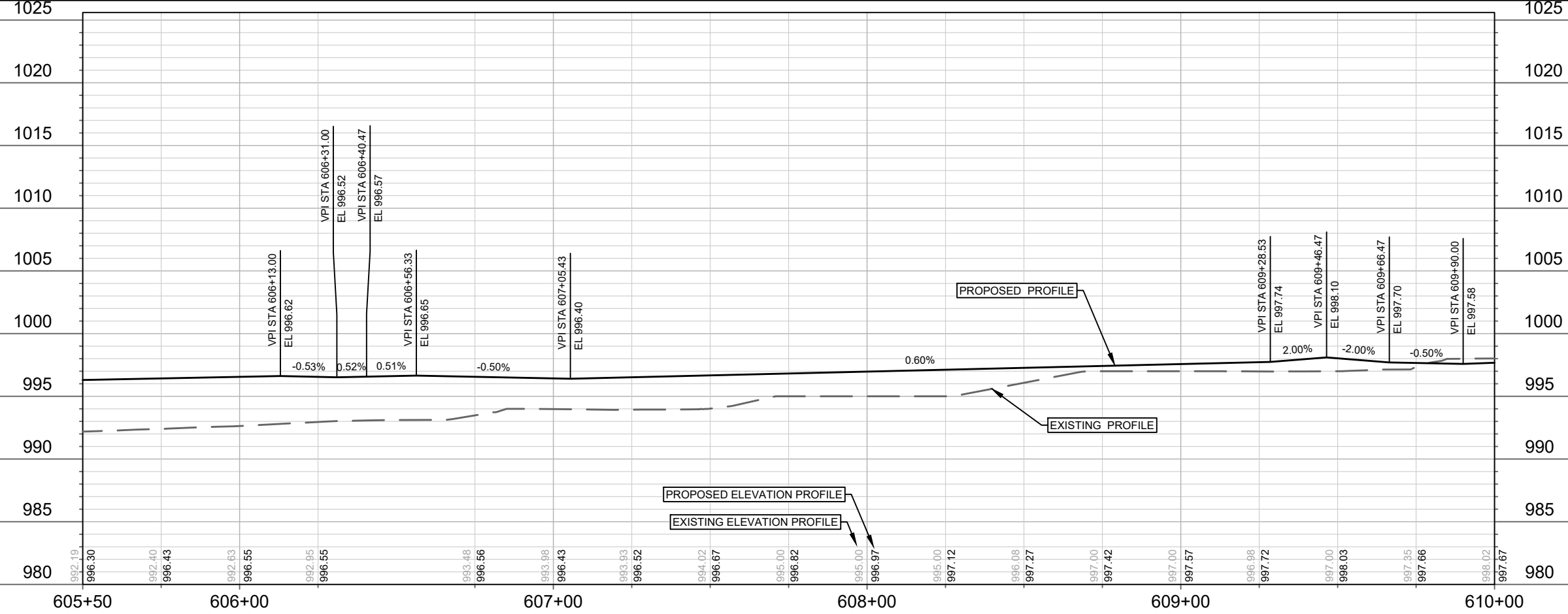
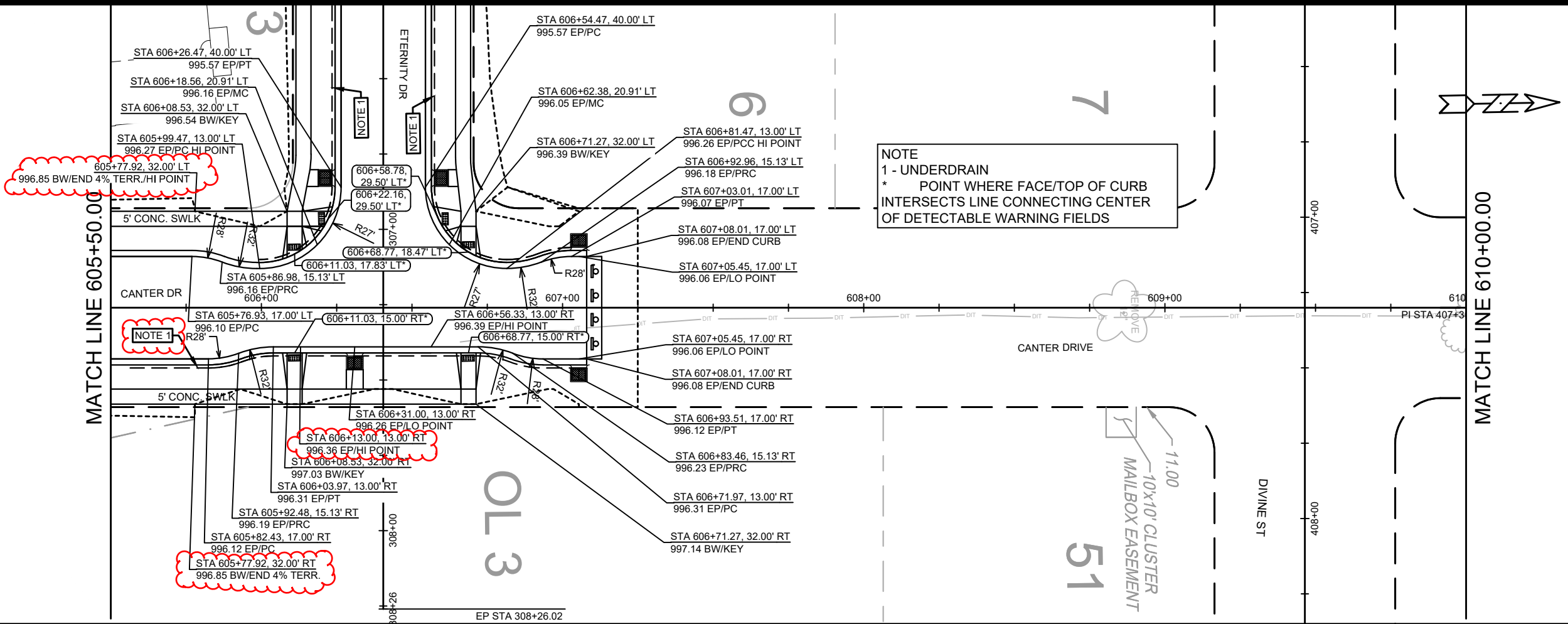
- NOTE
1. 7' CONCRETE SIDEWALK AND DRIVEWAY APRON
  2. UNDERDRAIN
  3. CONC. BETW/SWLK & TERRACE INLET
  4. 2' CONC. WATERWAY



12523	12523	12523	12523
MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
JANNAH VILLAGE PHASE 1	JANNAH VILLAGE PHASE 1	JANNAH VILLAGE PHASE 1	JANNAH VILLAGE PHASE 1
CANTER DRIVE-PLAN AND PROFILE	CANTER DRIVE-PLAN AND PROFILE	CANTER DRIVE-PLAN AND PROFILE	CANTER DRIVE-PLAN AND PROFILE
12523	12523	12523	12523
P-5	P-5	P-5	P-5

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 Scale: #####  
 Designed By: ###  
 REVISION  
 DATE  
 BY  
 JPS  
 11/2/21  
 JPS  
 01/28/22





NOTE  
 1 - UNDERDRAIN  
 \* POINT WHERE FACE/TOP OF CURB  
 INTERSECTS LINE CONNECTING CENTER  
 OF DETECTABLE WARNING FIELDS

NOTE 1

605+77.92, 32.00' LT  
 996.85 BW/END 4% TERR./HI POINT

606+13.00, 13.00' RT  
 996.36 EP/HI POINT

605+77.92, 32.00' RT  
 996.85 BW/END 4% TERR.

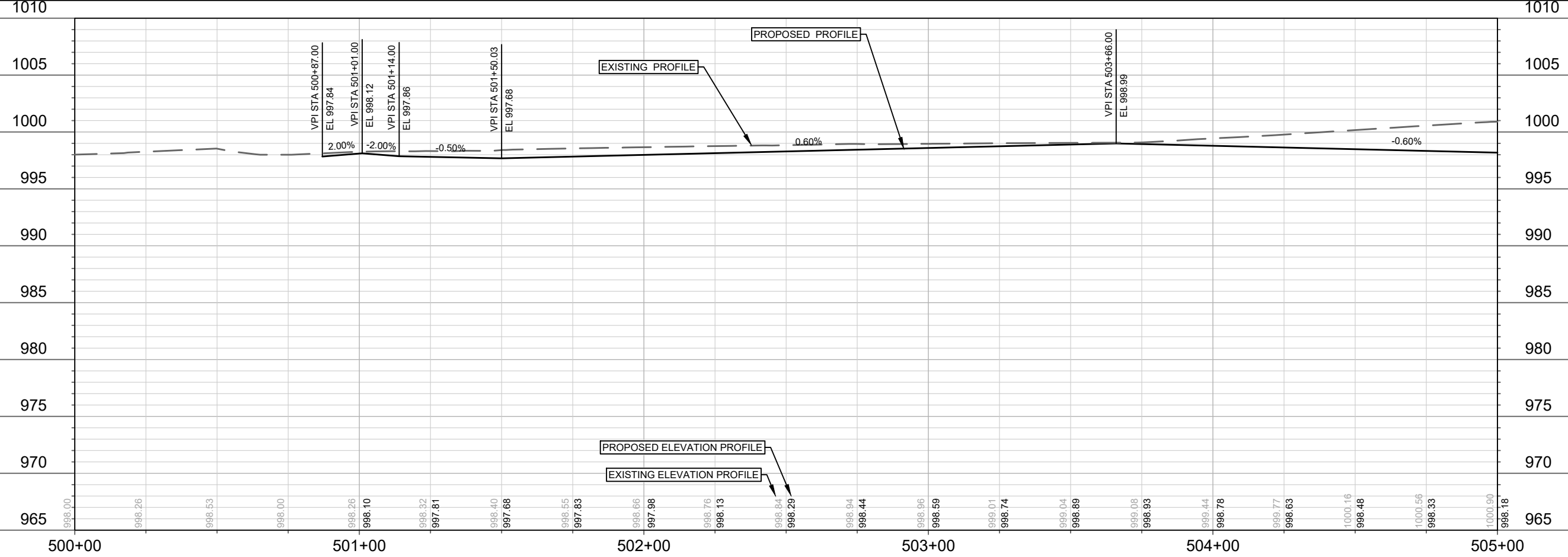
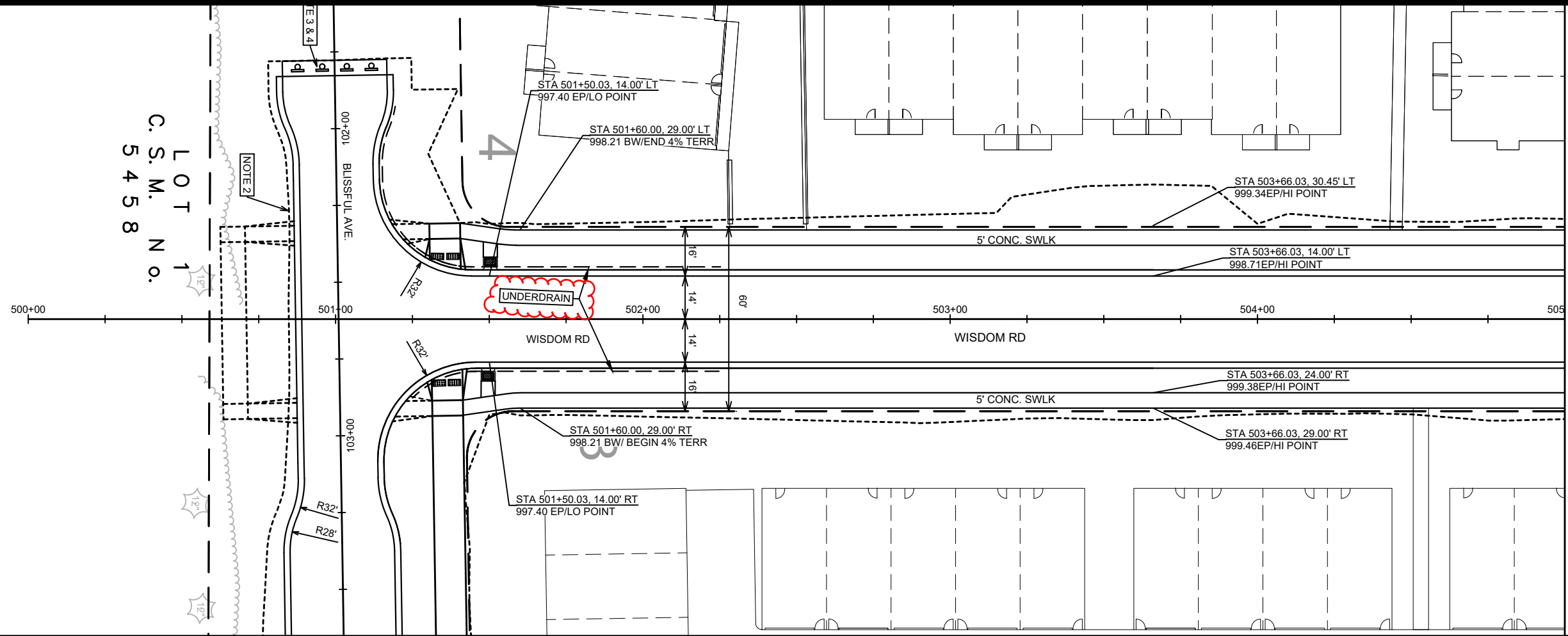
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REVISION			
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Designated By: ###	12523	Date:	11/14/2021 2:24 PM
Scale:	#####		

12523  
 MADISON, WI  
 CONTRACT NO: 8343

CANTER DRIVE-PLAN AND PROFILE  
 JANNAH VILLAGE PHASE 1  
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LOT 1  
C.S.M. N.O.  
5458

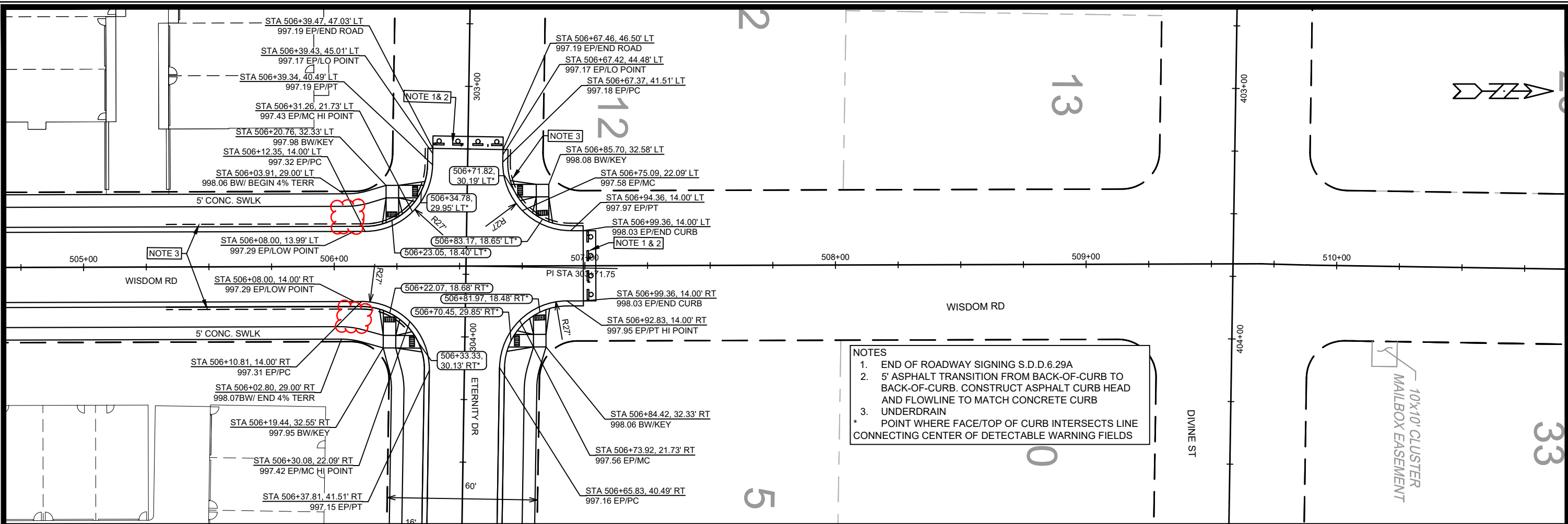


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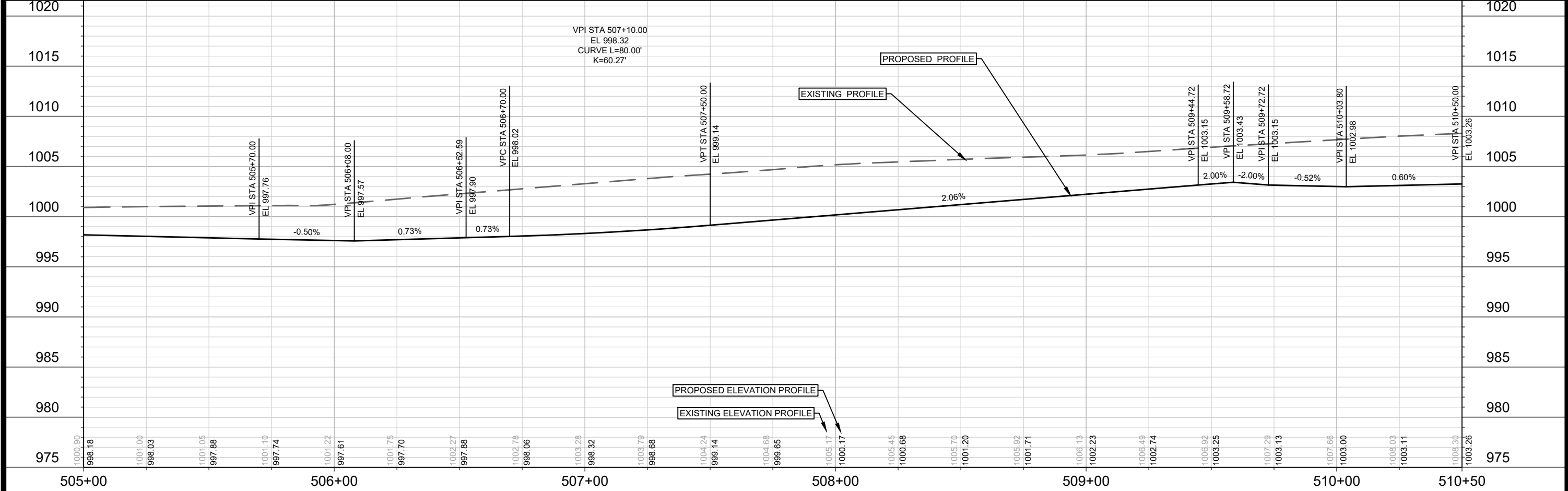
12523  
MADISON, WI  
8343  
CONTRACT NO:

WISDOM ROAD-PLAN & PROFILE  
JANNAH VILLAGE PHASE 1  
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12523  
P-7



NOTES  
 1. END OF ROADWAY SIGNING S.D.D.6.29A  
 2. 5' ASPHALT TRANSITION FROM BACK-OF-CURB TO BACK-OF-CURB. CONSTRUCT ASPHALT CURB HEAD AND FLOWLINE TO MATCH CONCRETE CURB AND UNDERDRAIN  
 3. POINT WHERE FACE/TOP OF CURB INTERSECTS LINE CONNECTING CENTER OF DETECTABLE WARNING FIELDS

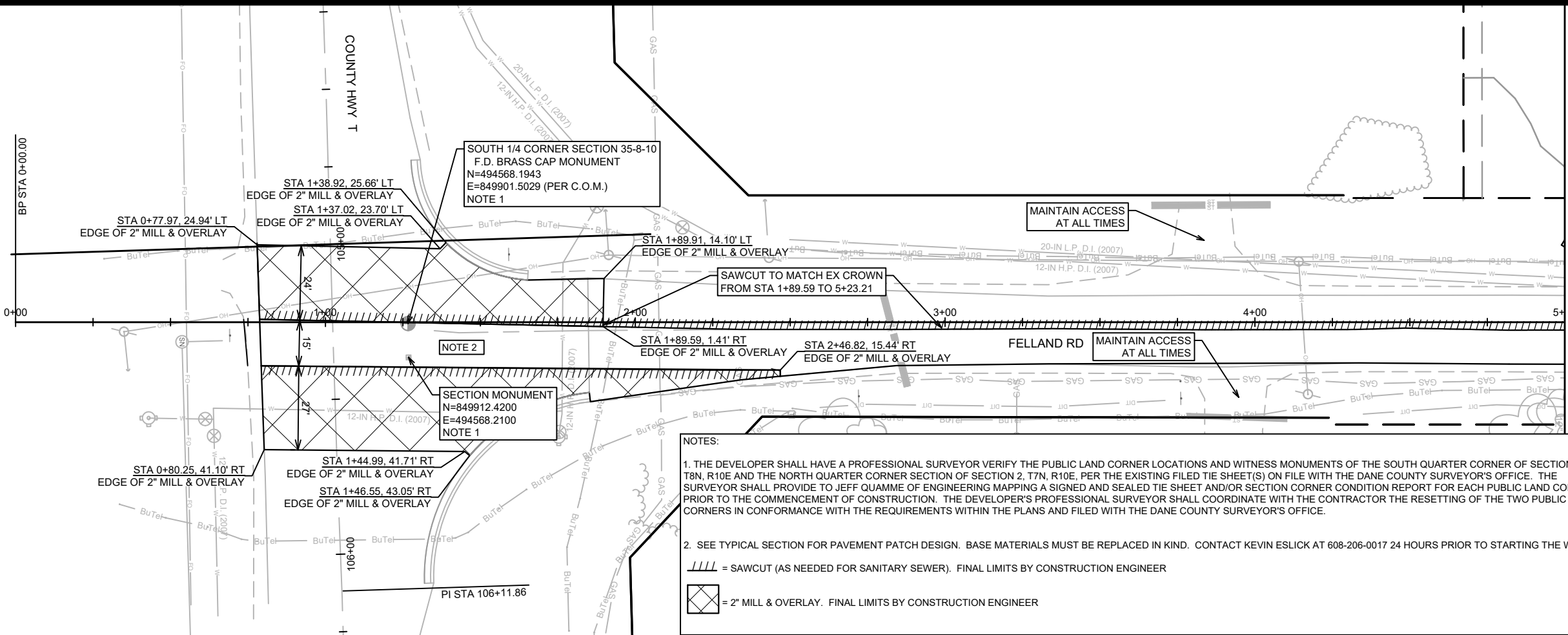


12523	MADISON, WI	8343	CONTRACT NO:
WISDOM ROAD-PLAN & PROFILE		JANNAH VILLAGE PHASE 1	
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P-8		P-8	

REVISIONS:  
 1. 11/20/21 JPS  
 2. 01/28/22 JPS  
 3. 11/20/21 JPS  
 4. 11/20/21 JPS

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 Checked By: ###  
 Drawn By: ###



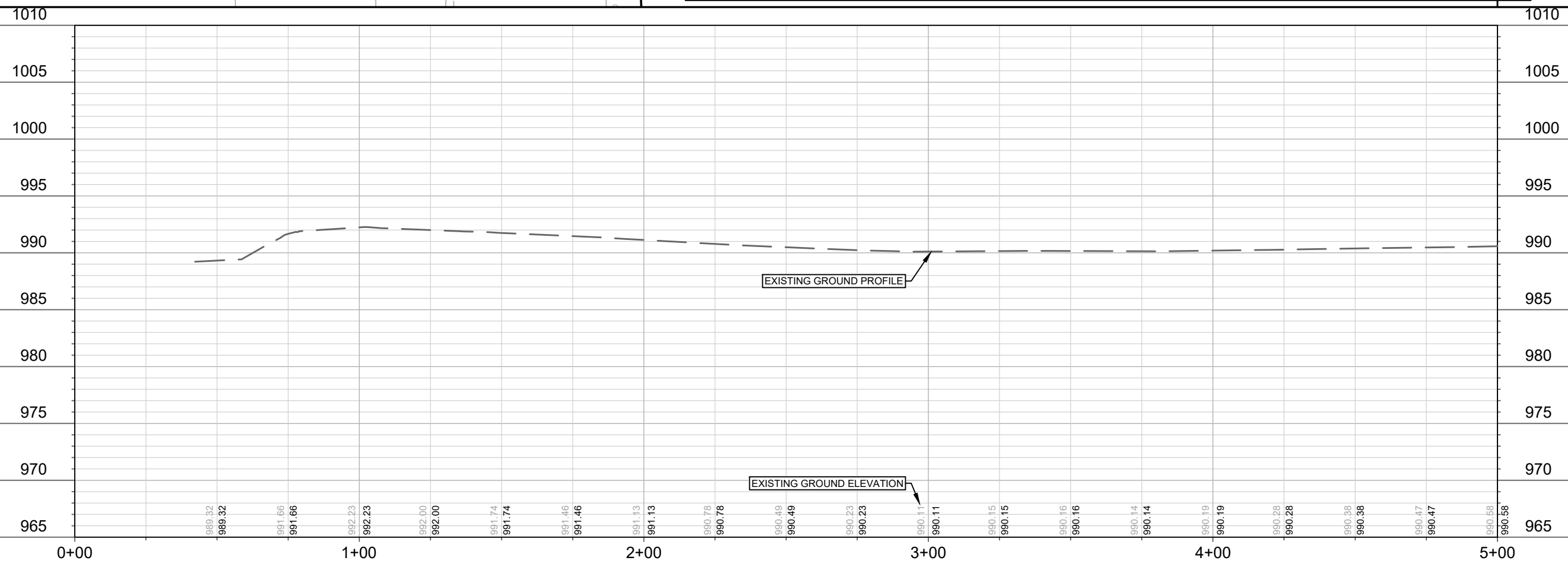


MATCH LINE 5+00.00

**NOTES:**

1. THE DEVELOPER SHALL HAVE A PROFESSIONAL SURVEYOR VERIFY THE PUBLIC LAND CORNER LOCATIONS AND WITNESS MONUMENTS OF THE SOUTH QUARTER CORNER OF SECTION 35, T8N, R10E AND THE NORTH QUARTER CORNER SECTION OF SECTION 2, T7N, R10E, PER THE EXISTING FILED TIE SHEET(S) ON FILE WITH THE DANE COUNTY SURVEYOR'S OFFICE. THE SURVEYOR SHALL PROVIDE TO JEFF QUAMME OF ENGINEERING MAPPING A SIGNED AND SEALED TIE SHEET AND/OR SECTION CORNER CONDITION REPORT FOR EACH PUBLIC LAND CORNER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE DEVELOPER'S PROFESSIONAL SURVEYOR SHALL COORDINATE WITH THE CONTRACTOR THE RESETTling OF THE TWO PUBLIC LAND CORNERS IN CONFORMANCE WITH THE REQUIREMENTS WITHIN THE PLANS AND FILED WITH THE DANE COUNTY SURVEYOR'S OFFICE.
2. SEE TYPICAL SECTION FOR PAVEMENT PATCH DESIGN. BASE MATERIALS MUST BE REPLACED IN KIND. CONTACT KEVIN ESLICK AT 608-206-0017 24 HOURS PRIOR TO STARTING THE WORK

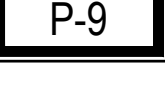
= SAWCUT (AS NEEDED FOR SANITARY SEWER). FINAL LIMITS BY CONSTRUCTION ENGINEER  
 = 2" MILL & OVERLAY. FINAL LIMITS BY CONSTRUCTION ENGINEER



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Designed By: ##	Scale: #####		
			P-9

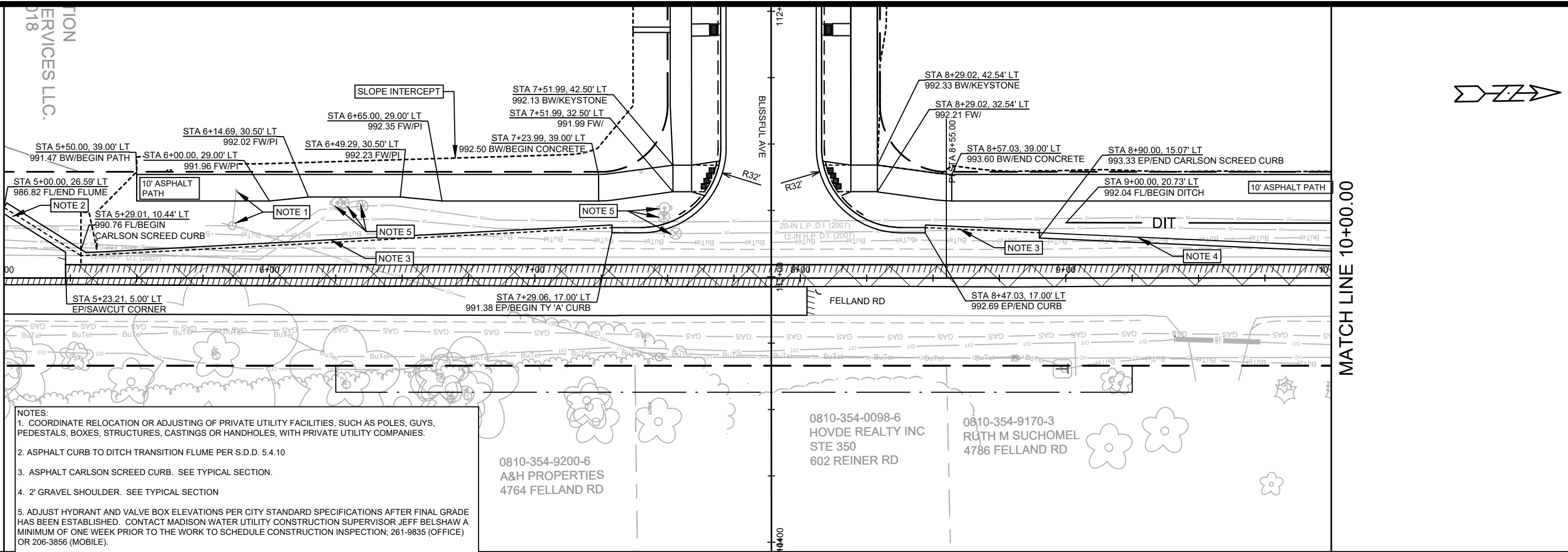
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8343  
CONTRACT NO:

FELLAND-PLAN & PROFILE  
JANNAH VILLAGE PHASE 1  
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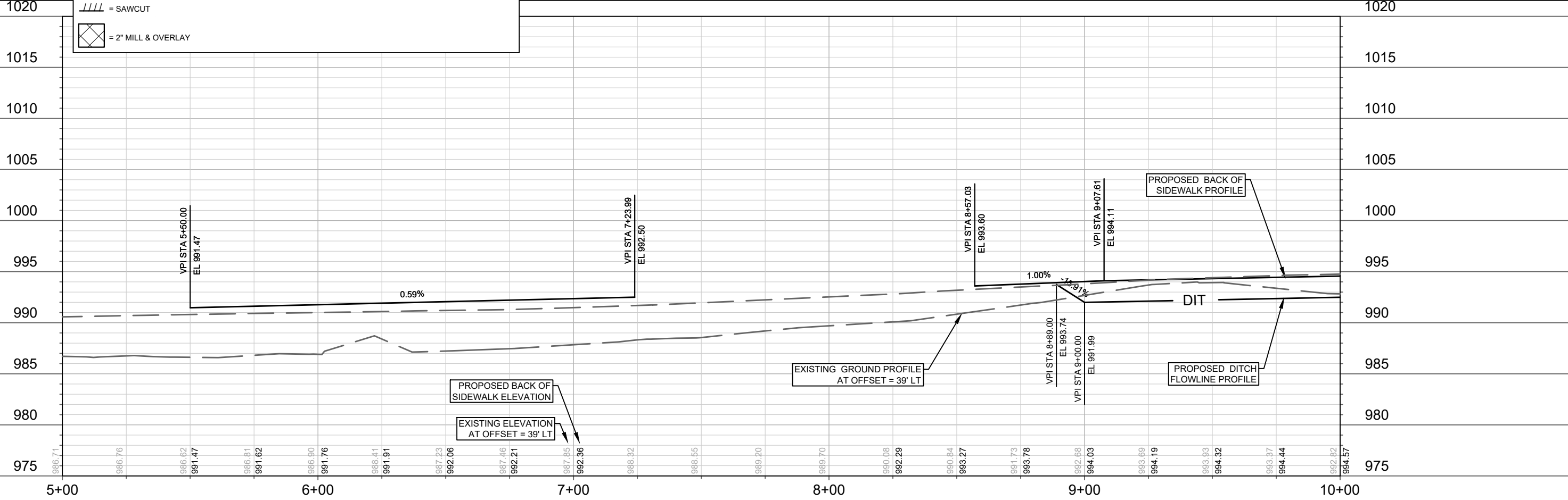
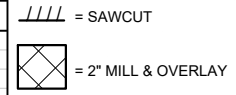


MATCH LINE 5+00.00

MATCH LINE 10+00.00



- NOTES:
- COORDINATE RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, GUYS, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES, WITH PRIVATE UTILITY COMPANIES.
  - ASPHALT CURB TO DITCH TRANSITION FLUME PER S.D.D. 5.4.10
  - ASPHALT CARLSON SCREED CURB. SEE TYPICAL SECTION.
  - 2' GRAVEL SHOULDER. SEE TYPICAL SECTION
  - ADJUST HYDRANT AND VALVE BOX ELEVATIONS PER CITY STANDARD SPECIFICATIONS AFTER FINAL GRADE HAS BEEN ESTABLISHED. CONTACT MADISON WATER UTILITY CONSTRUCTION SUPERVISOR JEFF BELSHAW A MINIMUM OF ONE WEEK PRIOR TO THE WORK TO SCHEDULE CONSTRUCTION INSPECTION; 261-9835 (OFFICE) OR 206-3856 (MOBILE).



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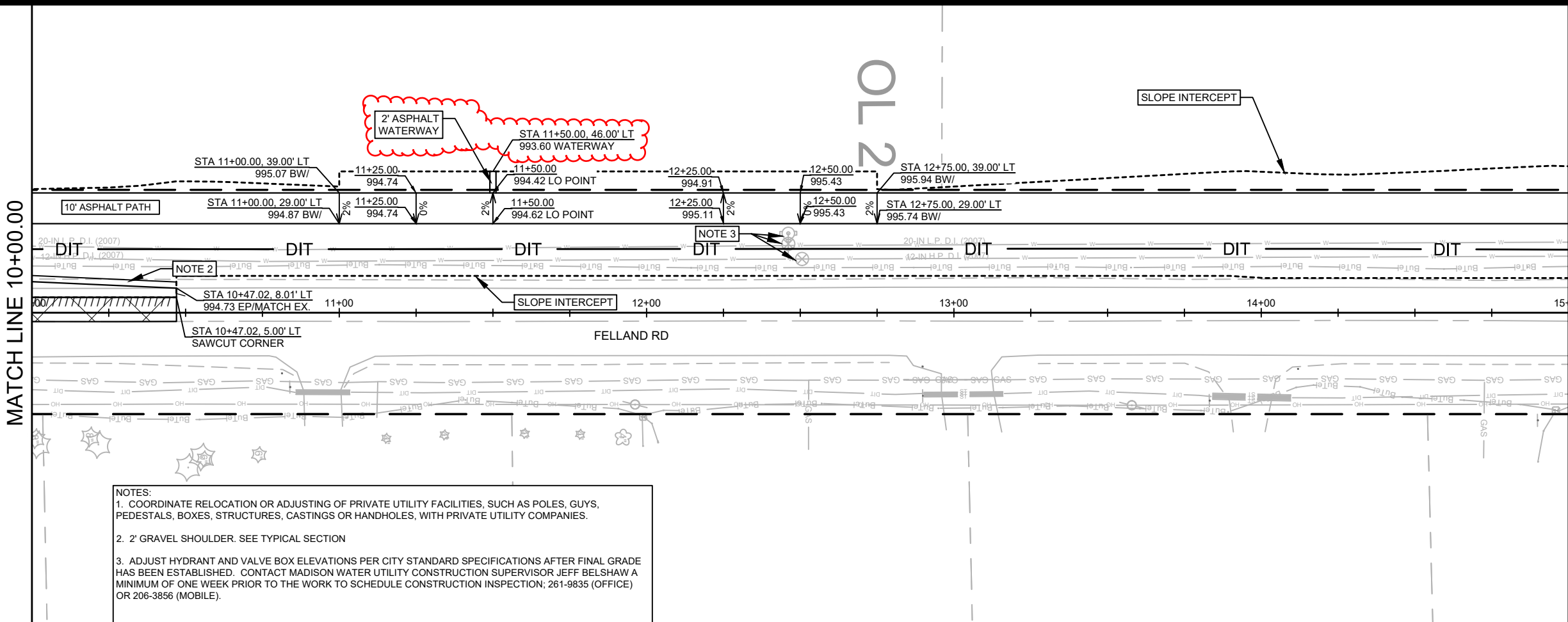
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MADISON, WI  
8343  
CONTRACT NO:

FELLAND - PLAN & PROFILE  
JANNAH VILLAGE PHASE 1  
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MATCH LINE 10+00.00

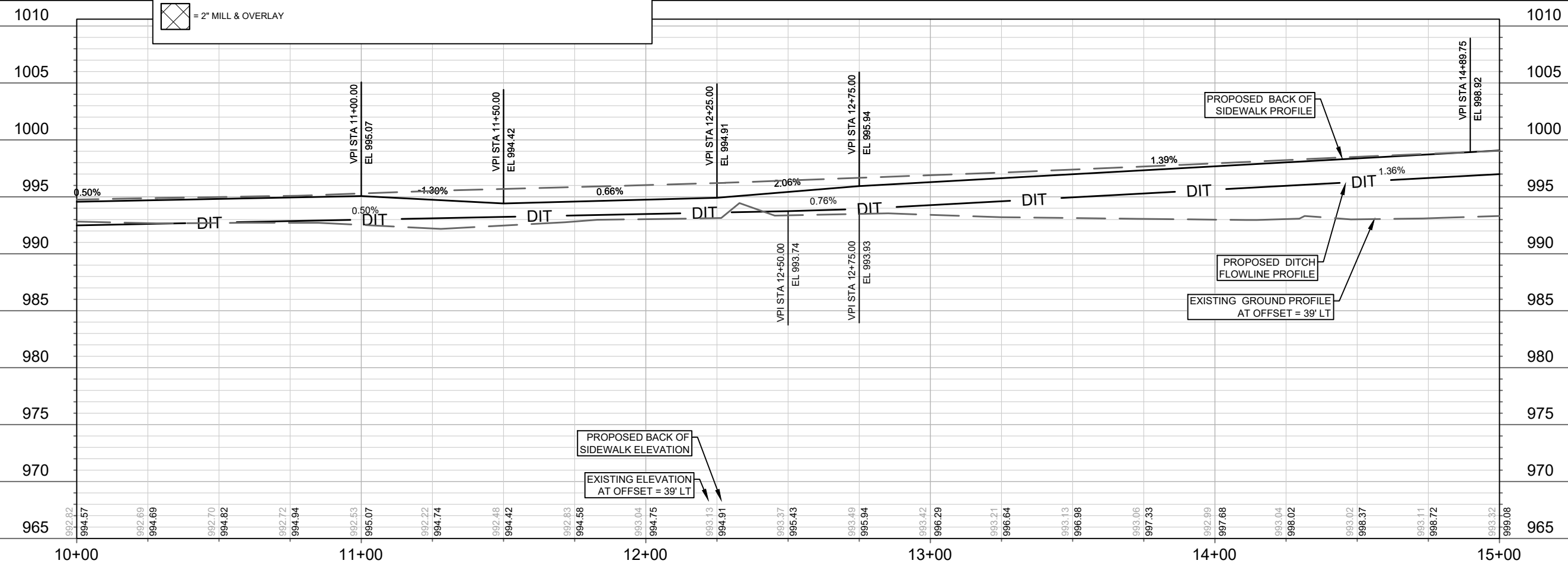
MATCH LINE 15+00.00



**NOTES:**

- COORDINATE RELOCATION OR ADJUSTING OF PRIVATE UTILITY FACILITIES, SUCH AS POLES, GUYS, PEDESTALS, BOXES, STRUCTURES, CASTINGS OR HANDHOLES, WITH PRIVATE UTILITY COMPANIES.
- 2' GRAVEL SHOULDER. SEE TYPICAL SECTION
- ADJUST HYDRANT AND VALVE BOX ELEVATIONS PER CITY STANDARD SPECIFICATIONS AFTER FINAL GRADE HAS BEEN ESTABLISHED. CONTACT MADISON WATER UTILITY CONSTRUCTION SUPERVISOR JEFF BELSHAW A MINIMUM OF ONE WEEK PRIOR TO THE WORK TO SCHEDULE CONSTRUCTION INSPECTION; 261-9835 (OFFICE) OR 206-3856 (MOBILE).

= SAWCUT  
 = 2" MILL & OVERLAY

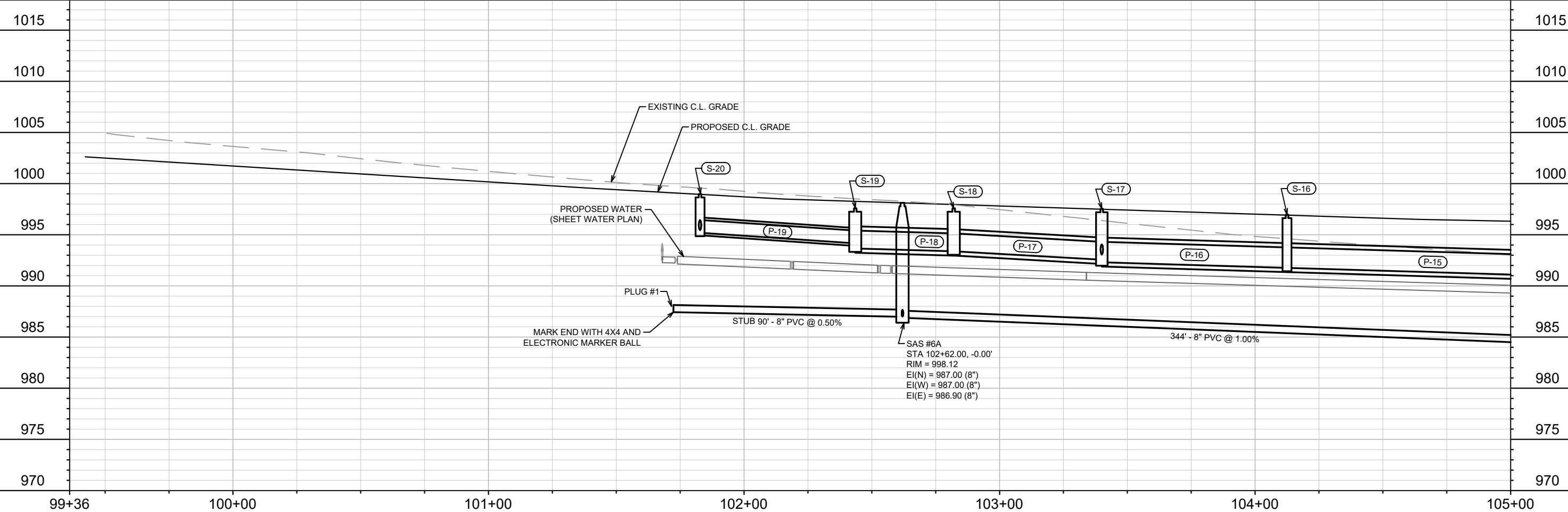
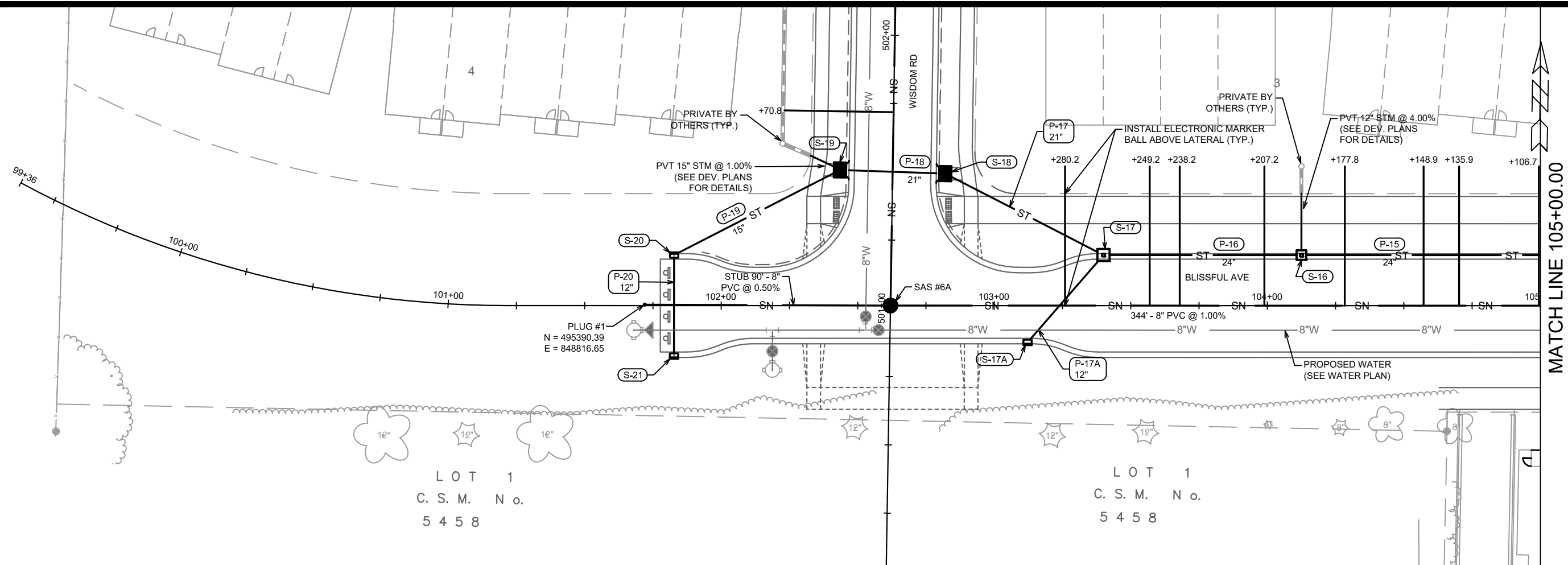


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REVISION										
12523										

12523  
MADISON, WI  
8343  
CONTRACT NO:

FELLAND-PLAN & PROFILE  
JANNAH VILLAGE PHASE 1  
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P-11



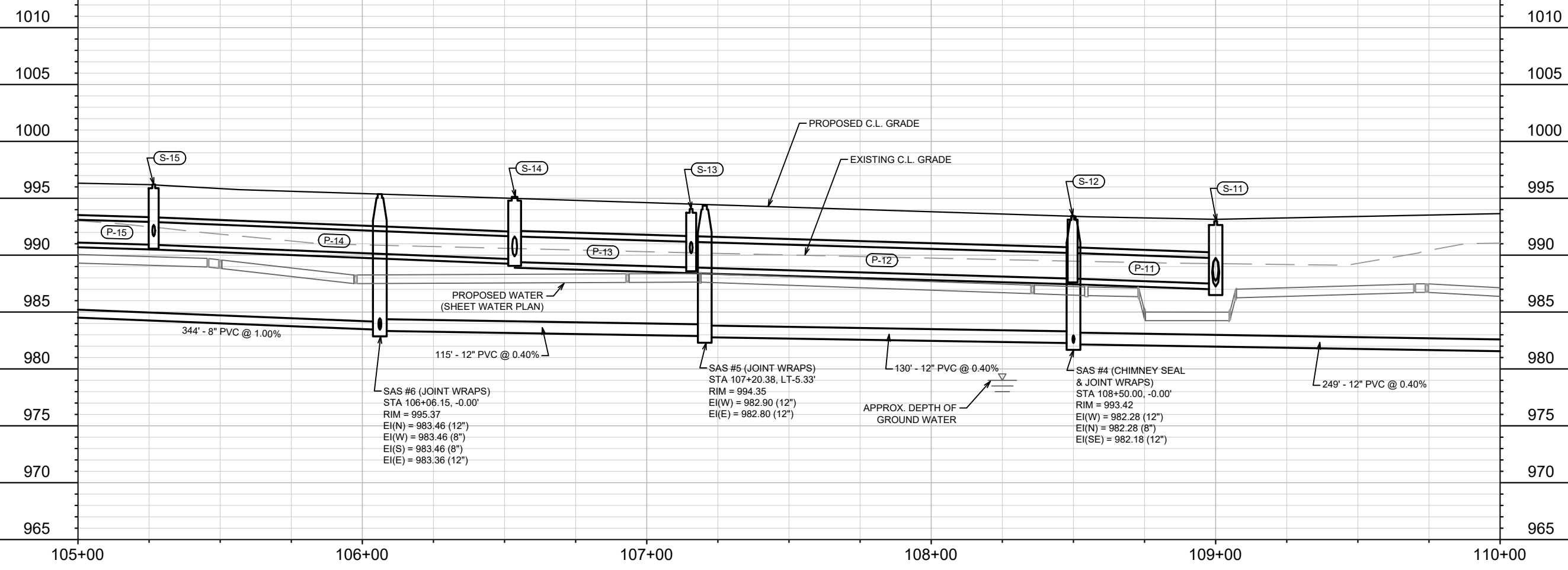
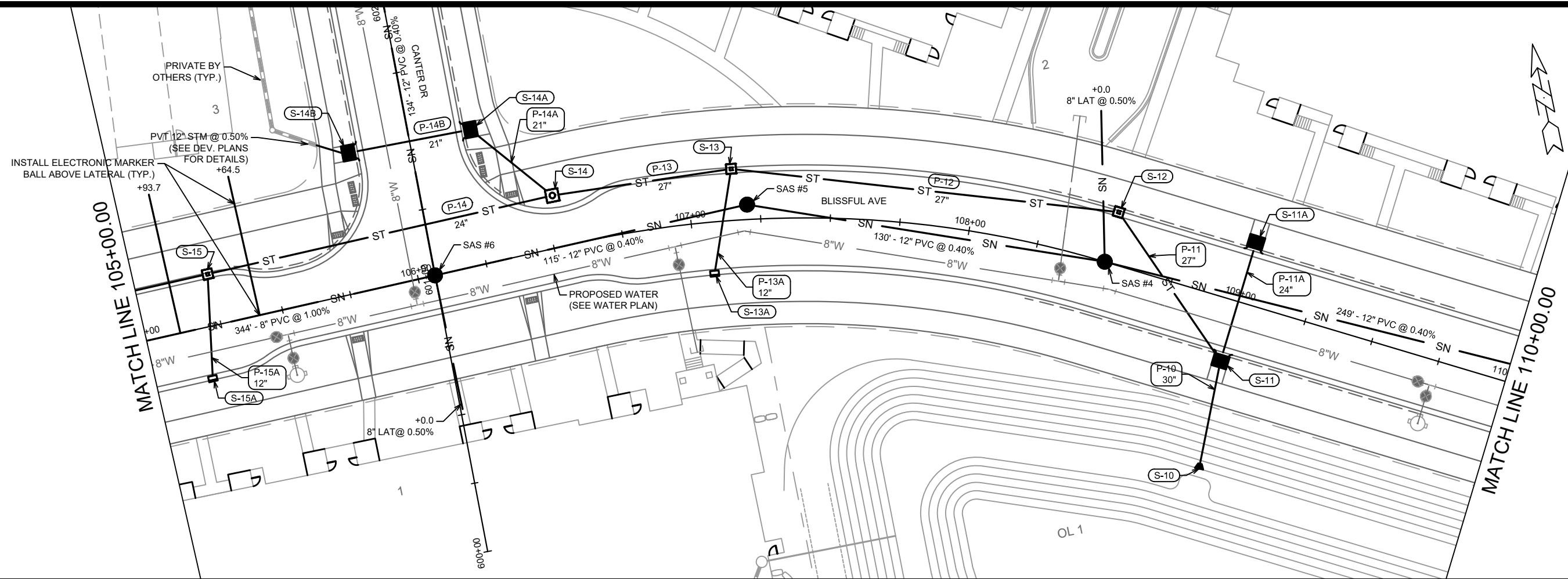
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1	11/2/21	KDF
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12523  
MADISON, WI  
8343  
CONTRACT NO:

SEWER PLAN AND PROFILE - BLISSFUL AVE  
JANNAH VILLAGE PHASE 1  
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12523  
U-1



MARK	REVISION	DATE	BY
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2			
3			

Designed By: ###  
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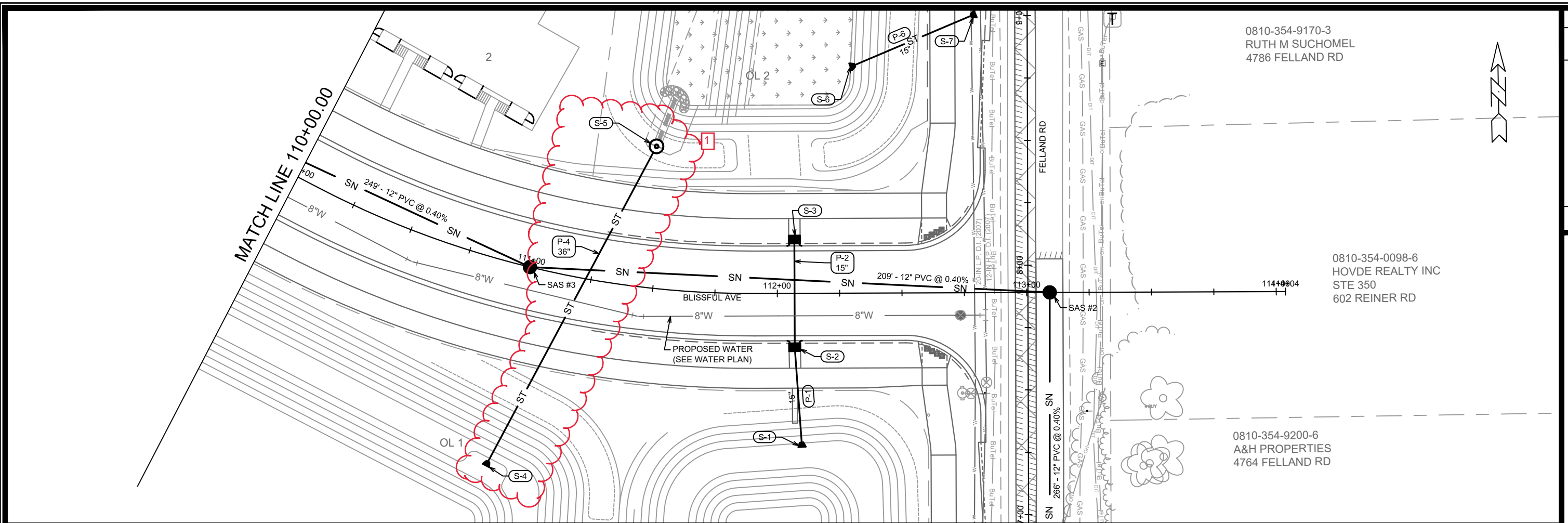
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SEWER PLAN AND PROFILE - BLISSFUL AVE  
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U-2

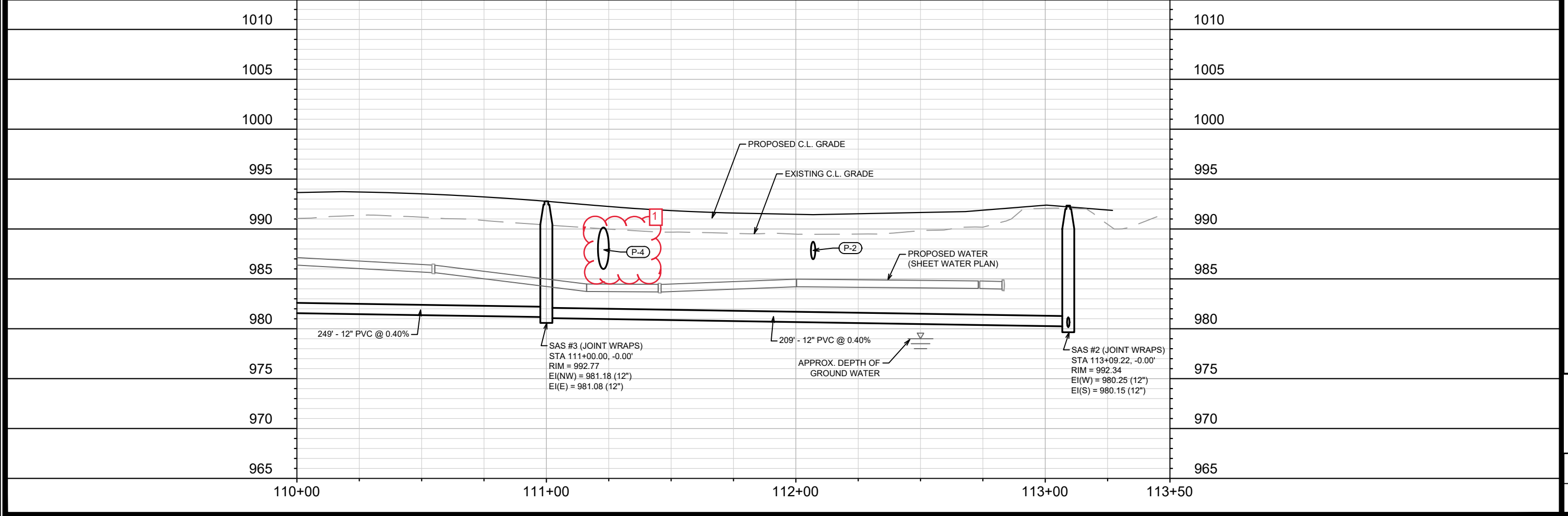




0810-354-9170-3  
RUTH M SUCHOMEL  
4786 FELLAND RD

0810-354-0098-6  
HOVDE REALTY INC  
STE 350  
602 REINER RD

0810-354-9200-6  
A&H PROPERTIES  
4764 FELLAND RD

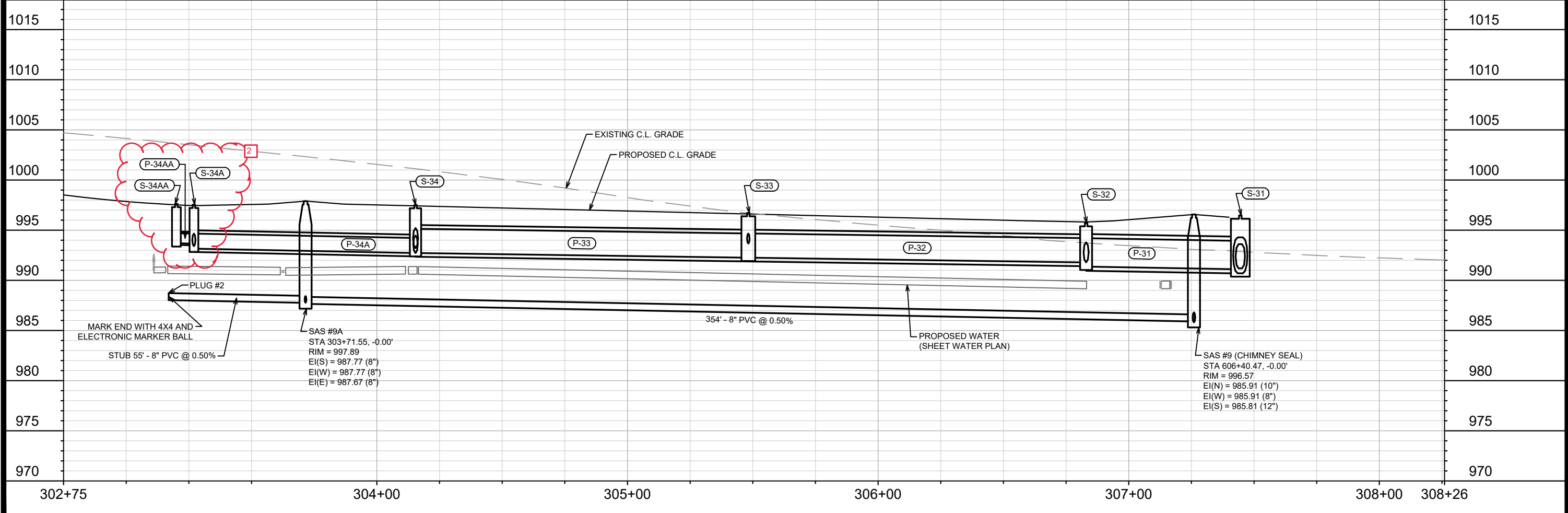
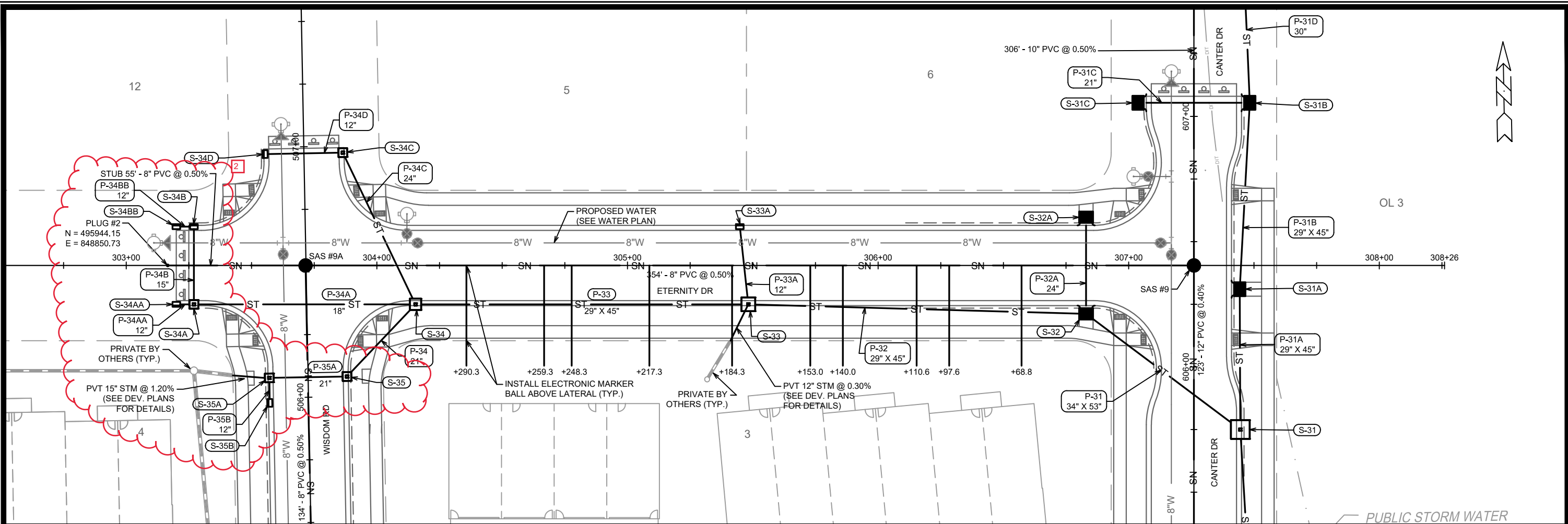


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MADISON, WI  
8343  
CONTRACT NO:

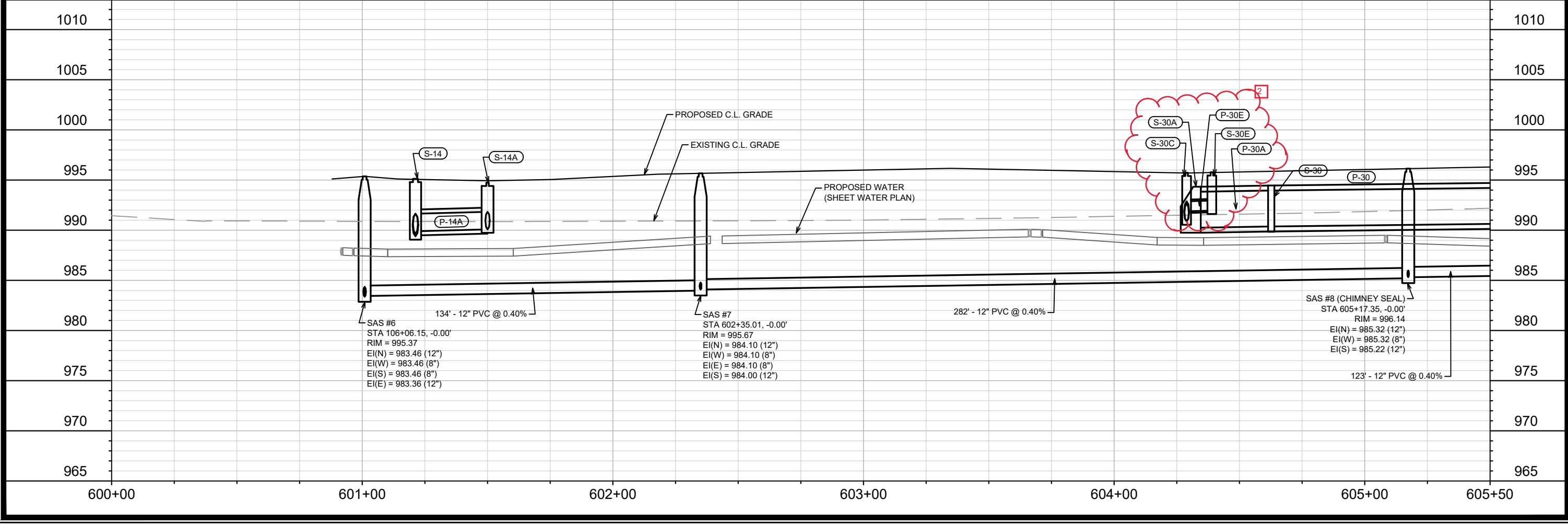
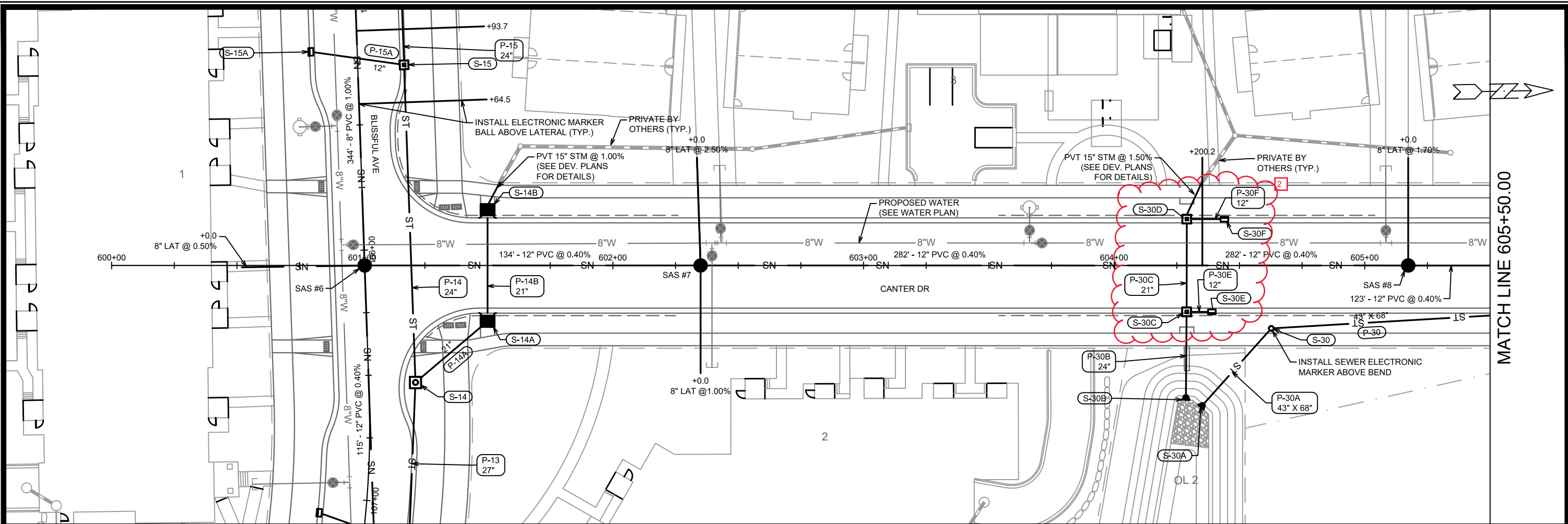
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JANNAH VILLAGE PHASE 1  
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12523  
U-3



12523	MADISON, WI	8343	CONTRACT NO.
SEWER PLAN AND PROFILE - ETERNITY DR		JANNAH VILLAGE PHASE 1	
12523		U-4	

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 U-4



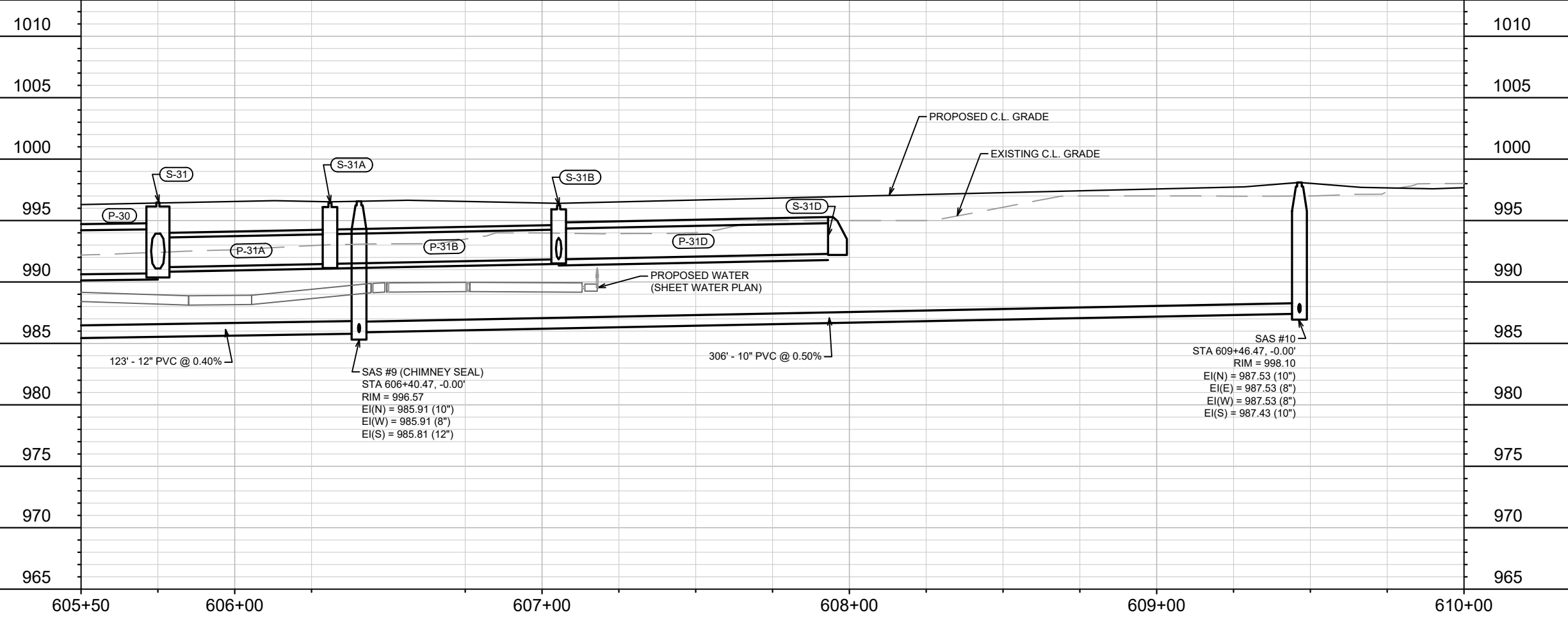
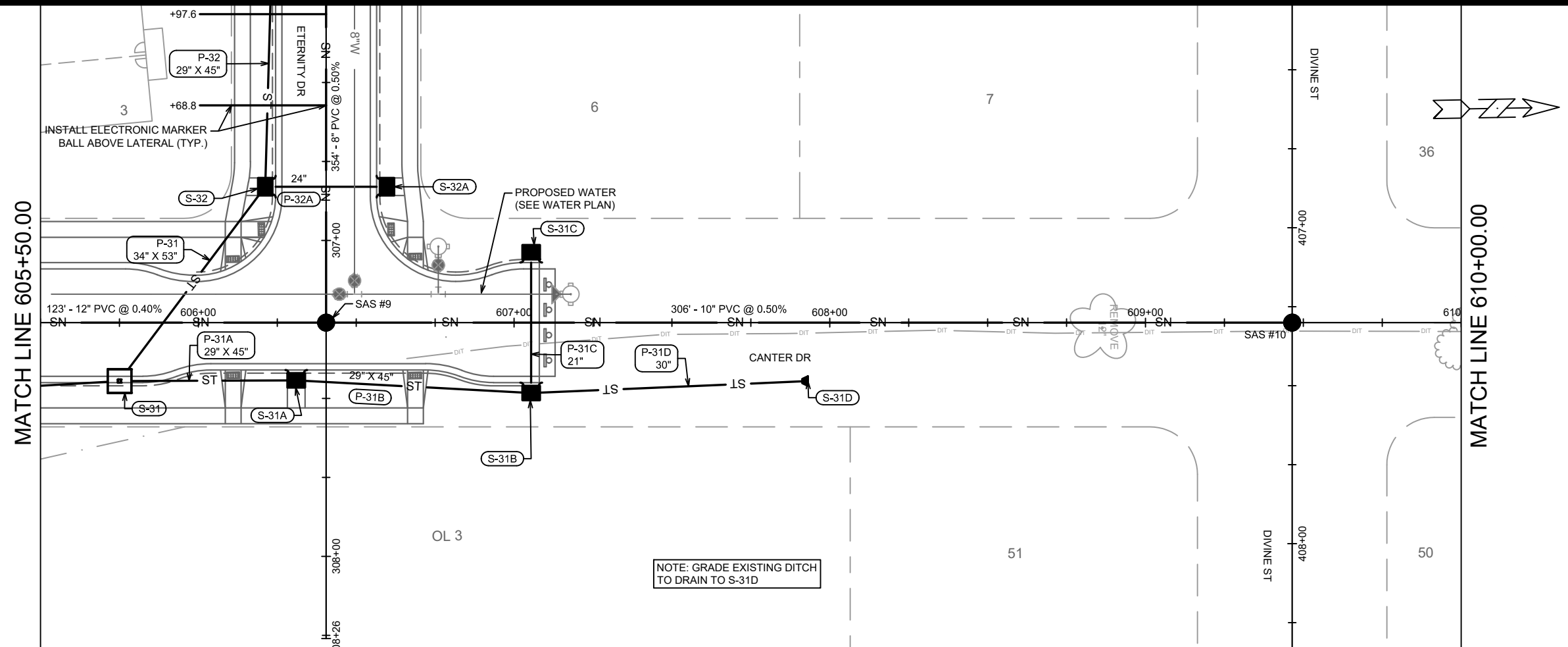
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1	STORM SEWER	12/6/21	KDF
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MARK	REVISION	DATE	BY
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12523  
 MADISON, WI  
 8343  
 CONTRACT NO:

SEWER PLAN AND PROFILE - CANTER DR  
 JANNAH VILLAGE PHASE 1  
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 U-5

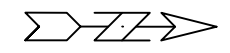
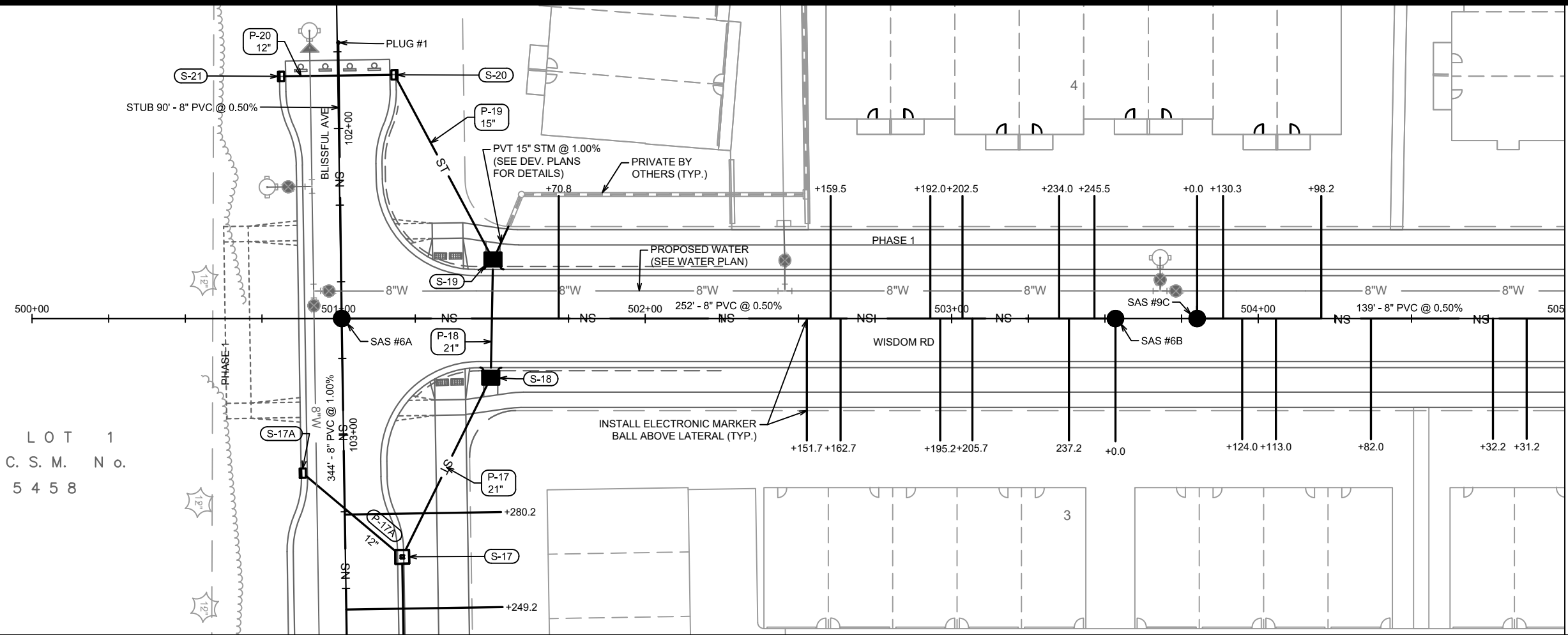


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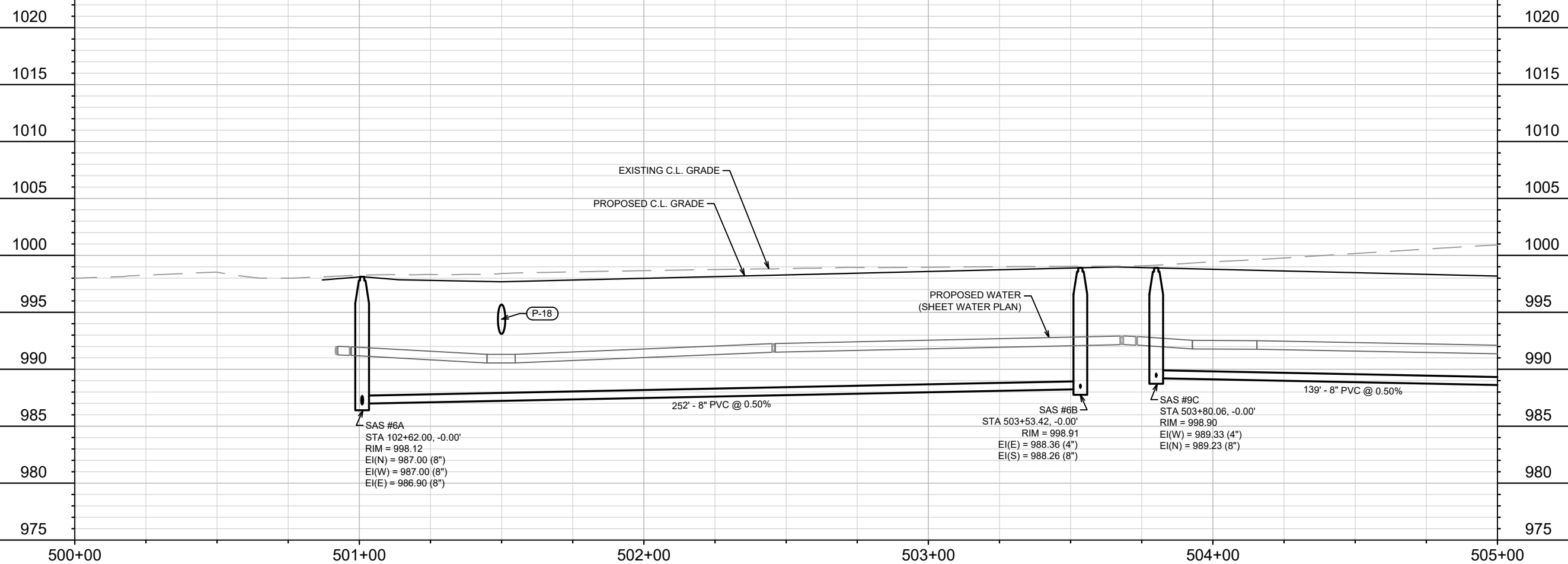
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8343  
CONTRACT NO:

SEWER PLAN AND PROFILE - CANTER DR  
JANNAH VILLAGE PHASE 1  
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12523  
U-6



MATCH LINE 505+00.00



MARK	REVISION	DATE	BY
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Designed By: ###			Date: 11/2/2021 2:16 PM
Scale: #####			U-7

12523  
MADISON, WI  
8343  
CONTRACT NO:

SEWER PLAN AND PROFILE - WISDOM RD  
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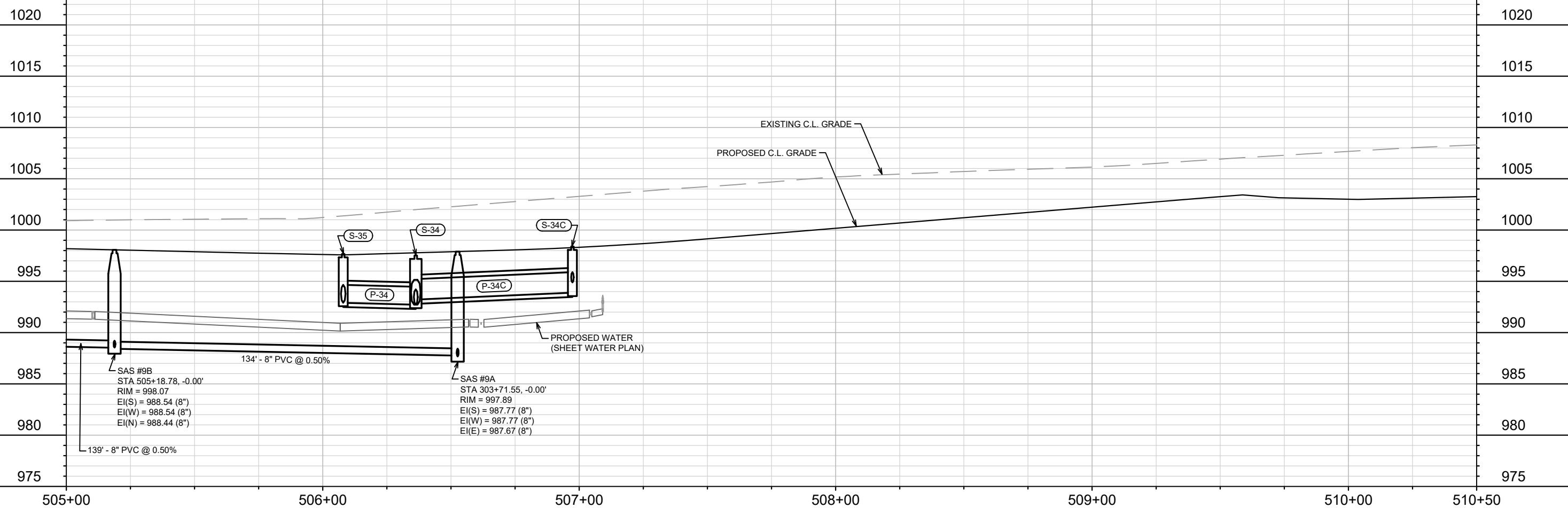
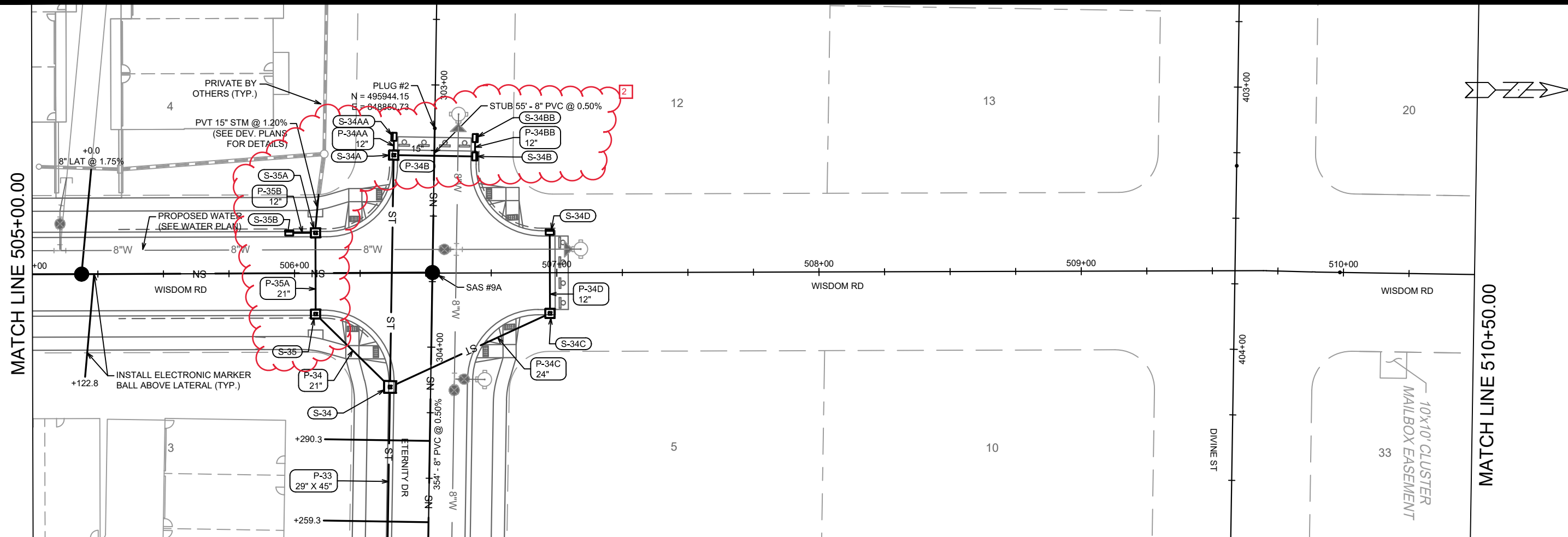


12523  
U-7

MATCH LINE 505+00.00



MATCH LINE 510+50.00



MARK	REVISION	DATE	BY
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1	REPRINT TO SHOW UNDERDRAIN	11/2/21	KDF

Designed By: ###  
Date: 12/6/2021 6:41 PM  
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U-8

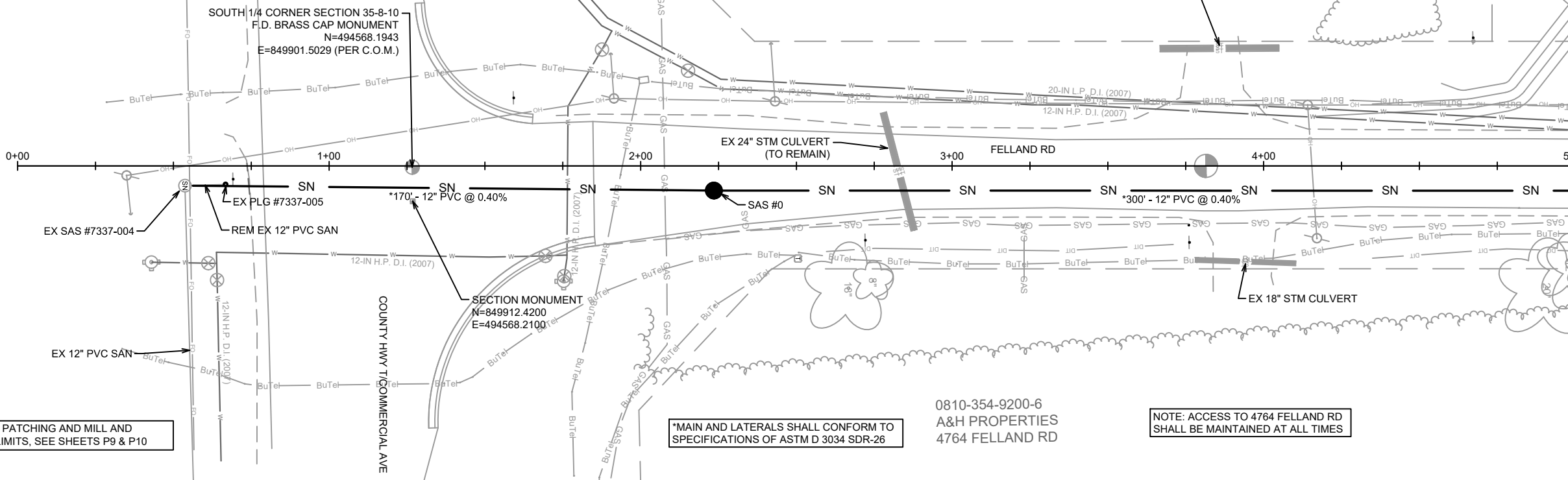
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MADISON, WI  
8343  
CONTRACT NO:

SEWER PLAN AND PROFILE - WISDOM RD  
JANNAH VILLAGE PHASE 1  
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12523  
U-8

THE DEVELOPER SHALL HAVE A PROFESSIONAL SURVEYOR VERIFY THE PUBLIC LAND CORNER LOCATIONS AND WITNESS MONUMENTS OF THE SOUTH QUARTER CORNER OF SECTION 35, T8N, R10E AND THE NORTH QUARTER CORNER SECTION 2, T7N, R10E, PER THE EXISTING FILED TIE SHEET(S) ON FILE WITH THE DANE COUNTY SURVEYOR'S OFFICE. THE SURVEYOR SHALL PROVIDE TO JEFF QUAMME OF ENGINEERING MAPPING A SIGNED AND SEALED TIE SHEET AND/OR SECTION CORNER CONDITION REPORT FOR EACH PUBLIC LAND CORNER PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. THE DEVELOPER'S PROFESSIONAL SURVEYOR SHALL COORDINATE WITH THE CONTRACTOR THE RESETTING OF THE TWO PUBLIC LAND CORNERS IN CONFORMANCE WITH THE REQUIREMENTS WITHIN THE PLANS AND FILED WITH THE DANE COUNTY SURVEYOR'S OFFICE.

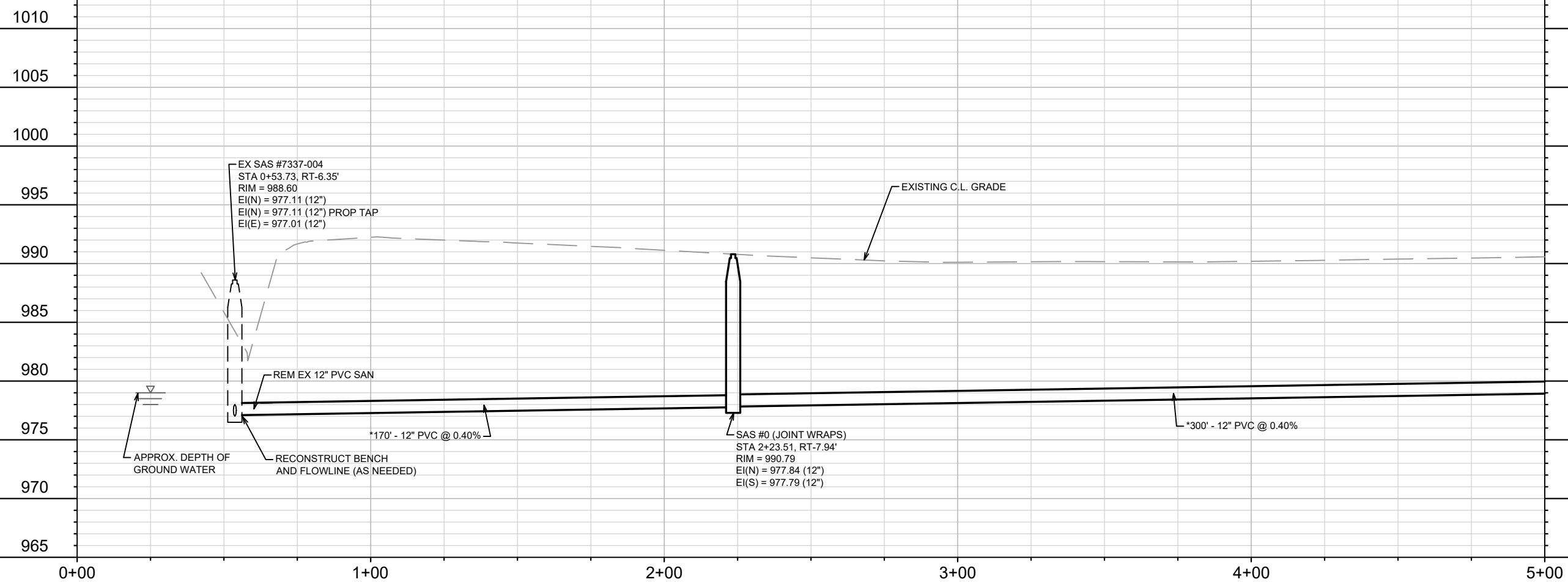
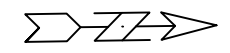


NOTE: FOR PATCHING AND MILL AND OVERLAY LIMITS, SEE SHEETS P9 & P10

\*MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D 3034 SDR-26

NOTE: ACCESS TO 4764 FELLAND RD SHALL BE MAINTAINED AT ALL TIMES

MATCH LINE 5+00.00



MARK	REVISION	DATE	BY
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12523  
MADISON, WI  
8343  
CONTRACT NO:

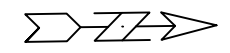
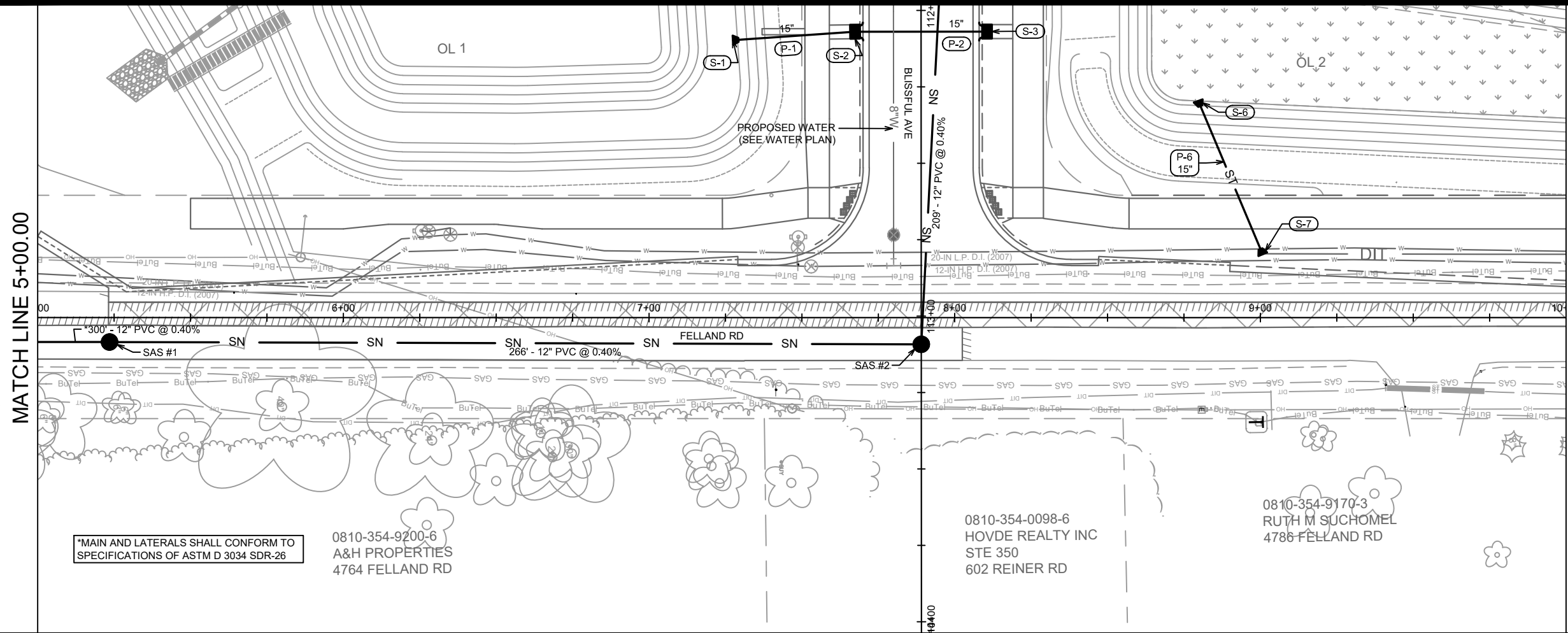
SEWER PLAN AND PROFILE - FELLAND RD  
JANNAH VILLAGE PHASE 1  
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12523  
U-9

MATCH LINE 5+00.00

MATCH LINE 10+00.00

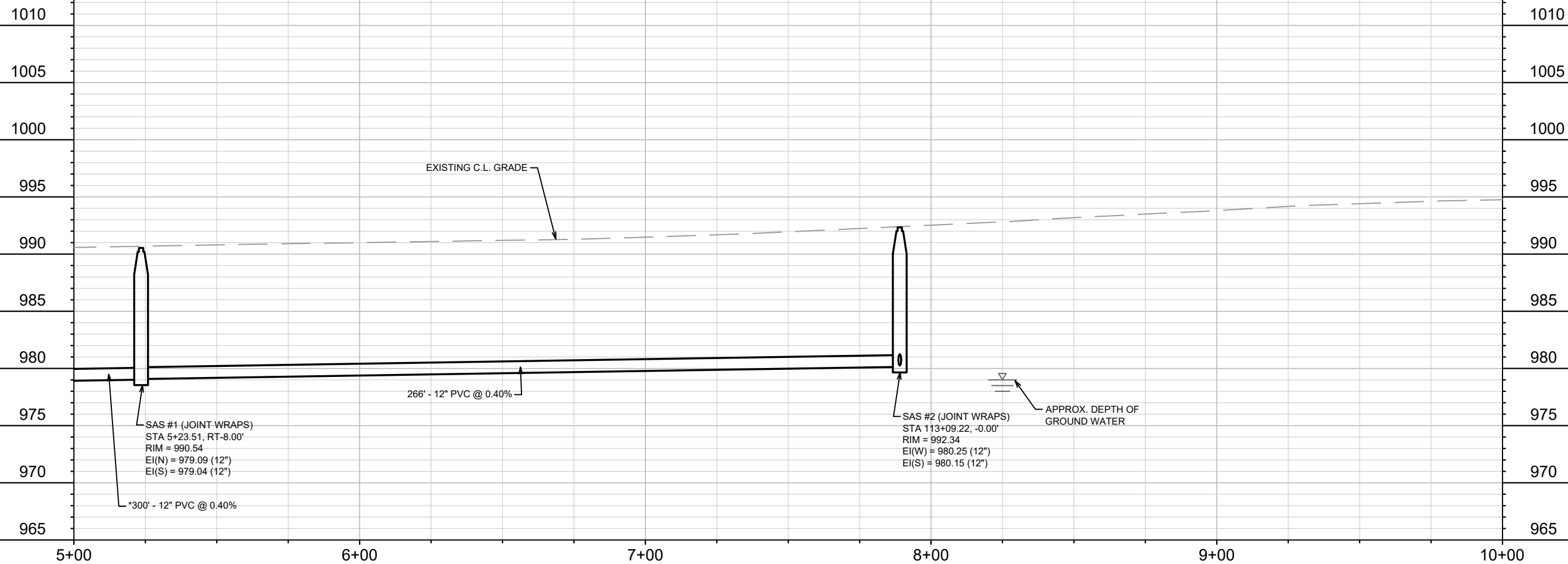


\*MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D 3034 SDR-26

0810-354-9200-6  
A&H PROPERTIES  
4764 FELLAND RD

0810-354-0098-6  
HOVDE REALTY INC  
STE 350  
602 REINER RD

0810-354-9170-3  
RUTH M SUCHOMEL  
4786 FELLAND RD



SAS #1 (JOINT WRAPS)  
STA 5+23.51, RT-8.00'  
RIM = 990.54  
EI(N) = 979.09 (12")  
EI(S) = 979.04 (12")

SAS #2 (JOINT WRAPS)  
STA 113+09.22, -0.00'  
RIM = 992.34  
EI(W) = 980.25 (12")  
EI(S) = 980.15 (12")

APPROX. DEPTH OF GROUND WATER

MARK	REVISION	DATE	BY
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Designed By: ###			Scale: #####
Date: 11/2/2021 2:17 PM			U-10
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12523  
MADISON, WI  
8343  
CONTRACT NO:

SEWER PLAN AND PROFILE - FELLAND RD  
JANNAH VILLAGE PHASE 1  
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12523  
U-10



# SANITARY SEWER SCHEDULE

## PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>FELLAND AVENUE</b>						
SAS #0	2+23.51	RT-7.94	990.79	977.79	13.00	[1]
SAS #1	5+23.51	RT-8.00	990.54	979.04	11.50	[1]
<b>BLISSFUL AVENUE</b>						
SAS #2	113+09.22	CL	992.34	980.15	12.19	[1]
SAS #3	111+00.00	CL	992.50	981.08	11.42	[1]
SAS #4	108+50.00	CL	993.42	982.18	11.24	[1], [2]
SAS #5	107+20.38	LT-5.33	994.35	982.80	11.55	[1]
SAS #6	106+06.15	CL	995.37	983.36	12.01	[1]
SAS #6A	102+62.00	CL	998.12	986.90	11.22	-
<b>CANTER DR</b>						
SAS #7	602+35.01	CL	995.67	984.00	11.67	-
SAS #8	605+17.35	CL	996.14	985.22	10.92	[2]
SAS #9	606+40.47	CL	996.57	985.81	10.76	[2]
SAS #10	609+46.47	CL	998.10	987.43	10.67	-
<b>ETERNITY DRIVE</b>						
SAS #9A	303+71.55	CL	997.89	987.67	10.22	-
<b>WISDOM ROAD</b>						
SAS #6B	503+53.42	CL	998.91	988.26	10.65	-
SAS #9B	505+28.95	CL	998.01	988.44	9.57	-
SAS #9C	503+80.06	CL	998.90	989.23	9.67	-

## PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
<b>FELLAND AVENUE</b>								
SAS #7337-004	SAS #0	977.11	977.79	170	0.40%	12"	SDR-26	-
SAS #0	SAS #1	977.84	979.04	300	0.40%	12"	SDR-26	-
SAS #1	SAS #2	979.09	980.15	266	0.40%	12"	SDR-35	-
<b>BLISSFUL AVENUE</b>								
SAS #2	SAS #3	980.25	981.08	209	0.40%	12"	SDR-35	-
SAS #3	SAS #4	981.18	982.18	249	0.40%	12"	SDR-35	-
SAS #4	SAS #5	982.28	982.80	130	0.40%	12"	SDR-35	-
SAS #5	SAS #6	982.90	983.36	115	0.40%	12"	SDR-35	-
SAS #6	SAS #6A	983.46	986.90	344	1.00%	8"	SDR-35	-
SAS #6A	PLUG #1	987.00	987.45	90	0.50%	8"	SDR-35	-
<b>CANTER DR</b>								
SAS #6	SAS #7	983.46	984.00	134	0.40%	12"	SDR-35	-
SAS #7	SAS #8	984.10	985.22	282	0.40%	12"	SDR-35	-
SAS #8	SAS #9	985.32	985.81	123	0.40%	12"	SDR-35	-
SAS #9	SAS #10	985.91	987.43	306	0.50%	10"	SDR-35	-
<b>ETERNITY DRIVE</b>								
SAS #9	SAS #9A	985.91	987.67	354	0.50%	8"	SDR-35	-
SAS #9A	PLUG #2	987.77	988.04	55	0.50%	8"	SDR-35	-
<b>WISDOM ROAD</b>								
SAS #6A	SAS #6B	987.00	988.26	252	0.50%	8"	SDR-35	-
SAS #9A	SAS #9B	987.77	988.44	134	0.50%	8"	SDR-35	-
SAS #9B	SAS #9C	988.54	989.23	139	0.50%	8"	SDR-35	-

## SPECIFIC NOTES

- [1] INSTALL EXTERNAL RUBBERIZED JOINT WRAP PER S.D.D. 5.7.2
- [2] INSTALL INTERNAL CHIMNEY SEAL PER S.D.D. 5.7.17

# STORM SEWER SCHEDULE

\*REVISED 11/2/21 KDF  
 \*\*REVISED 12/6/21 KDF

JANNAH VILAGE PHASE 1  
 PROJECT NO. 12523

SHEET NO.  
 U-12

STORM SEWER SCHEDULE

CITY OF MADISON

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>BLISSFUL AVE</b>							
S-1	111+20.89	RT-94.82	15" RCP AE	-	986.50	-	[4], W/GATE
S-2	112+06.93	RT-21.59	TERR INLET TYPE 3	991.27	987.11	4.16	[3], FP, LP
S-3	112+06.93	LT-21.57	TERR INLET TYPE 3	991.27	987.33	3.94	[3], FP, LP
S-4	111+15.37	RT-79.37	36" RCP AE	-	985.50	-	W/GATE
* S-5	<b>111+44.75</b>	<b>LT-56.66</b>	60" DIA SAS	<b>994.50</b>	<b>987.32</b>	<b>7.18</b>	[1]
S-10	109+03.71	RT-61.50	30" RCP AE	-	985.75	-	[4], [5], W/GATE
S-11	109+00.00	RT-22.28	TERR INLET TYPE 2	992.99	987.24	5.75	[3], FP, LP
S-11A	109+00.00	LT-22.29	TERR INLET TYPE 2	992.99	988.21	4.78	[3], FP, LP
S-12	108+49.70	LT-18.50	3X3 SAS	993.45	987.94	5.51	W/R-3067-7004-V
S-13	107+15.59	LT-18.50	3X3 SAS	994.06	988.92	5.14	W/R-3067-7004-V
S-13A	107+06.72	RT-18.50	H INLET	994.60	990.55	4.05	W/R-3067-7004-V
S-14	106+53.52	LT-18.64	4X4 SAS	995.11	989.39	5.72	W/1550-0054
S-15	105+26.64	LT-18.50	3X3 SAS	996.21	990.91	5.30	W/R-3067-7004-V
S-15A	105+20.17	RT-18.50	H INLET	996.26	991.85	4.41	W/R-3067-7004-V
S-16	104+12.48	LT-18.50	3X3 SAS	996.96	991.77	5.19	W/R-3067-7004-V
S-17	103+40.00	LT-18.50	4X4 SAS	997.53	992.31	5.22	W/R-3067-7004-V
S-17A	103+12.20	RT-13.50	3X3 SAS	997.86	993.27	4.59	W/R-3067-7004-V
S-18	102+82.06	LT-48.32	TERR INLET TYPE 2	997.58	993.38	4.20	[3], FP, LP
S-19	102+43.51	LT-49.67	TERR INLET TYPE 2	997.58	993.66	3.92	[3], FP, LP
S-20	101+82.79	LT-18.50	H INLET	998.99	995.19	3.80	W/R-3067-7004-V
S-21	101+82.70	RT-18.50	H INLET	998.99	995.62	3.37	W/R-3067-7004-V
<b>CANTER DR</b>							
S-14A	601+50.00	RT-22.25	TERR INLET TYPE 2	994.77	990.08	4.69	[3], FP, LP
S-14B	601+50.00	LT-22.28	TERR INLET TYPE 2	994.77	990.30	4.47	[3], FP, LP
S-30B	604+28.63	RT-53.62	24" RCP AE	-	990.50	-	[4], W/GATE
** S-30C	<b>604+29.00</b>	<b>RT-22.27</b>	<b>3X3 SAS</b>	<b>995.73</b>	990.88	<b>4.85</b>	<b>[3], LP, W/R-3067-7004-VB</b>
** S-30D	<b>604+29.00</b>	<b>LT-22.29</b>	<b>3X3 SAS</b>	<b>995.73</b>	991.23	<b>4.50</b>	<b>[3], LP, W/R-3067-7004-VB</b>
** S-30E	<b>604+39.00</b>	<b>RT-18.50</b>	<b>H INLET</b>	<b>995.78</b>	<b>991.95</b>	<b>3.83</b>	<b>W/R-3067-7004-V</b>
** S-30F	<b>604+39.00</b>	<b>LT-18.50</b>	<b>H INLET</b>	<b>995.81</b>	<b>992.16</b>	<b>3.65</b>	<b>W/R-3067-7004-V</b>
** S-30A	604+34.59	RT-56.58	43"X68" HERCP AE	-	<b>990.25</b>	-	[4], [5], W/GATE
S-30	604+62.71	RT-25.12	BEND	-	990.37	-	-
S-31	605+75.00	RT-18.50	7X7 SAS	996.47	990.70	5.77	FP, W/R-3067-7004-V
S-31A	606+31.00	RT-18.28	TERR INLET TYPE 2	996.44	991.47	4.97	[2], [3], FP, LP
S-31B	607+05.42	RT-22.28	TERR INLET TYPE 2	996.24	991.84	4.40	[2], [3], FP, LP
S-31C	607+05.42	LT-22.29	TERR INLET TYPE 2	996.24	992.06	4.18	[3], FP, LP
S-31D	607+93.09	RT-18.50	30" RCP AE	-	992.28	-	[4], [5], 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
<b>BLISSFUL AVE</b>										
P-1	S-1	S-2	986.50	987.11	40	39.2	1.56%	15"	RCP	-
P-2	S-2	S-3	987.11	987.33	43	41.4	0.53%	15"	RCP	-
* P-4	S-4	S-5	985.50	987.32	<b>145</b>	<b>142.5</b>	<b>1.28%</b>	<b>36"</b>	<b>RCP</b>	-
P-10	S-10	S-11	985.75	987.24	39.5	37.8	3.94%	30"	RCP	-
P-11	S-11	S-12	987.49	987.94	65	60.1	0.75%	27"	TYPE 2	-
P-11A	S-11	S-11A	987.74	988.21	44.5	41.4	1.14%	24"	TYPE 2	-
P-12	S-12	S-13	987.94	988.92	140	137.0	0.72%	27"	TYPE 2	-
P-13	S-13	S-14	988.92	989.39	65	61.4	0.77%	27"	TYPE 2	-
P-13A	S-13	S-13A	990.17	990.55	38	35.5	1.07%	12"	TYPE 2	-
P-14	S-14	S-15	989.64	990.91	127	123.4	1.03%	24"	TYPE 2	-
P-15	S-15	S-16	990.91	991.77	114	111.2	0.77%	24"	TYPE 2	-
P-15A	S-15	S-15A	991.66	991.85	37.5	35.0	0.54%	12"	TYPE 2	-
P-16	S-16	S-17	991.77	992.31	72.5	69.5	0.78%	24"	TYPE 2	-
P-17	S-17	S-18	992.56	993.38	65	61.7	1.33%	21"	TYPE 2	-
P-17A	S-17	S-17A	993.06	993.27	42.5	38.3	0.55%	12"	TYPE 2	-
P-18	S-18	S-19	993.38	993.66	38.5	35.4	0.79%	21"	RCP	-
P-19	S-19	S-20	994.16	995.19	68.5	64.8	1.59%	15"	TYPE 2	-
P-20	S-20	S-21	995.44	995.62	37	34.8	0.52%	12"	RCP	-
<b>CANTER DR</b>										
P-14A	S-14	S-14A	989.89	990.08	38	32.4	0.59%	21"	TYPE 2	-
P-14B	S-14A	S-14B	990.08	990.30	44.5	41.3	0.53%	21"	TYPE 2	-
P-30B	S-30B	S-30C	990.50	990.88	31.5	29.8	1.28%	24"	RCP	-
P-30C	S-30C	S-30D	990.88	<b>991.23</b>	44.5	41.4	0.85%	21"	RCP	NCM
** P-30E	<b>S-30C</b>	<b>S-30E</b>	<b>991.88</b>	<b>991.95</b>	<b>10</b>	<b>7.0</b>	<b>1.00%</b>	<b>12"</b>	<b>RCP</b>	-
** P-30F	<b>S-30D</b>	<b>S-30F</b>	<b>991.98</b>	<b>992.16</b>	<b>15</b>	<b>12.0</b>	<b>1.50%</b>	<b>12"</b>	<b>RCP</b>	-
P-30A	S-30A	S-30	990.25	990.37	42.5	41.2	0.29%	43"X68"	HERCP	-
P-30	S-30	S-31	990.37	990.70	112.5	108.0	0.31%	43"X68"	HERCP	-
P-31A	S-31	S-31A	991.19	991.47	56	50.4	0.56%	29"X45"	HERCP	-
P-31B	S-31A	S-31B	991.47	991.84	74.5	70.3	0.53%	29"X45"	HERCP	-
P-31C	S-31B	S-31C	991.84	992.06	44.5	41.4	0.53%	21"	RCP	-
P-31D	S-31B	S-31D	991.84	992.28	88	83.6	0.53%	30"	RCP	-
P-31	S-31	S-32	991.10	991.37	77	69.8	0.39%	34"X53"	HERCP	-

## 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
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SASs.
- 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 REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- 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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

## SPECIFIC NOTES

- [1] SEE DEVELOPER POND DETAIL PLAN FOR OUTLET STRUCTURE DETAILS, PER PROJECT #12524
- [2] STRUCTURE SHALL UTILIZE A TERRACE INLET TYPE 5 BOX WITH A TERRACE INLET TYPE 2 DIMENSIONS ON TOP
- [3] INSTALL LOW POINT PVC DRAIN, SEE S.D.D. 5.7.7A
- [4] CONCRETE CUTOFF WALLS SHALL BE CONSTRUCTED PER S.D.D. 5.4.4
- [5] PIPE JOINT TIES SHALL BE USED IN ACCORDANCE WITH S.D.D. 5.4.6

# STORM SEWER SCHEDULE

\*REVISED 11/2/21 KDF

\*\*REVISED 12/6/21 KDF

JANNAH VILAGE PHASE 1

PROJECT NO. 12523

SHEET NO.

U-13

STORM SEWER SCHEDULE

CITY OF MADISON

## PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
<b>ETERNITY DR</b>							
* S-32	306+83.00	RT-19.29	TERR INLET TYPE 2	995.72	<b>991.37</b>	<b>4.35</b>	[1], [2], FP, LP
S-32A	306+83.00	LT-19.28	TERR INLET TYPE 2	995.72	991.98	3.74	[2], FP, LP
S-33	305+48.21	RT-15.50	5X5 SAS	996.72	992.26	4.46	W/R-3067-7004-V
S-33A	305+44.82	LT-15.50	H INLET	996.74	993.82	2.92	W/R-3067-7004-V
S-34	304+15.43	RT-15.50	4X4 SAS	997.52	992.72	4.80	W/R-3067-7004-V
** S-34A	303+27.00	<b>RT-15.50</b>	<b>3X3 SAS</b>	<b>997.54</b>	<b>993.16</b>	<b>4.38</b>	<b>[2], LP, W/R-3067-7004-VB</b>
** S-34B	303+27.00	<b>LT-15.50</b>	<b>H INLET</b>	<b>997.54</b>	<b>993.64</b>	<b>3.90</b>	<b>[2], LP, W/R-3067-7004-VB</b>
** S-34AA	303+20.00	<b>RT-15.50</b>	<b>H INLET</b>	<b>997.62</b>	<b>993.70</b>	<b>3.92</b>	<b>W/R-3067-7004-V</b>
** S-34BB	303+20.00	<b>LT-15.50</b>	<b>H INLET</b>	<b>997.62</b>	<b>993.92</b>	<b>3.70</b>	<b>W/R-3067-7004-V</b>
<b>WISDOM RD</b>							
S-34C	506+97.36	RT-15.50	3X3 SAS	998.39	993.89	4.50	W/R-3067-7004-V
S-34D	506+97.36	LT-15.50	H INLET	998.39	995.05	3.34	W/R-3067-7004-V
** S-35	<b>506+07.98</b>	<b>RT-15.50</b>	<b>3X3 SAS</b>	<b>997.67</b>	<b>992.91</b>	<b>4.76</b>	<b>[2], LP, W/R-3067-7004-VB</b>
** S-35A	<b>506+08.03</b>	<b>LT-15.50</b>	<b>3X3 SAS</b>	<b>997.67</b>	<b>993.10</b>	<b>4.57</b>	<b>[2], LP, W/R-3067-7004-VB</b>
** S-35B	<b>505+98.02</b>	<b>LT-15.50</b>	<b>H INLET</b>	<b>997.72</b>	<b>993.90</b>	<b>3.82</b>	<b>W/R-3067-7004-V</b>
<b>FELLAND RD</b>							
S-6	8+79.67	LT-70.86	15" RCP AE	-	989.60	-	[3]
S-7	9+00.72	LT-20.75	15" RCP AE	-	992.00	-	[3]

## PROPOSED STORM PIPES

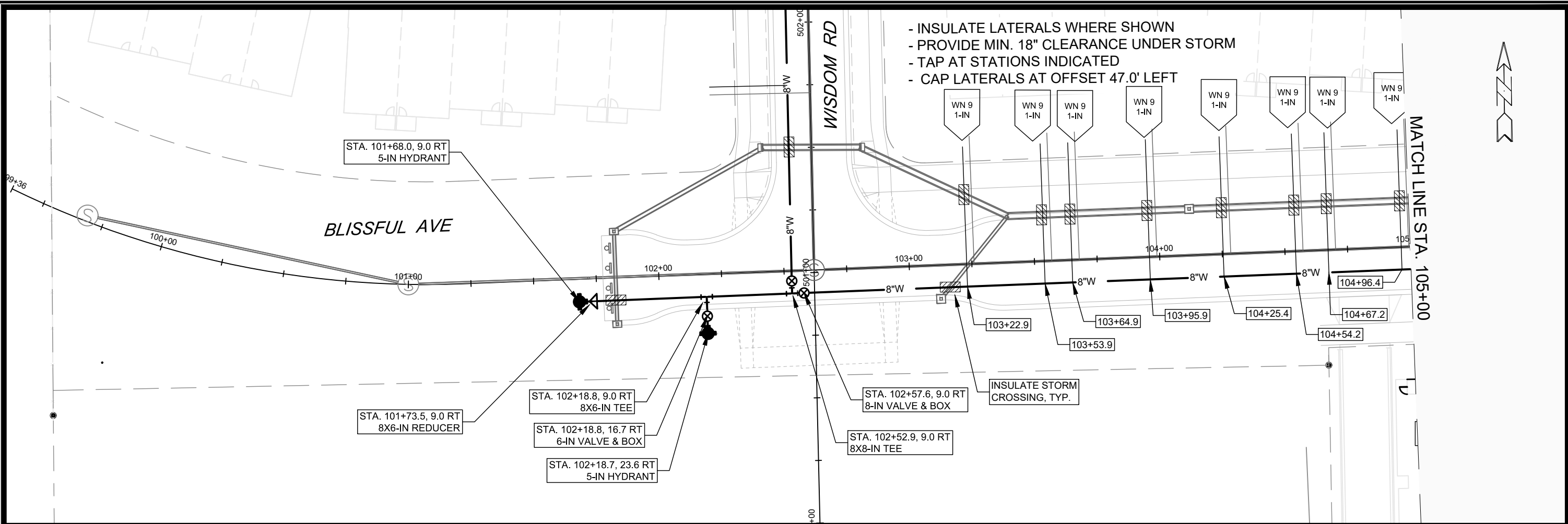
PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
<b>ETERNITY DR</b>										
P-32	S-32	S-33	991.79	992.26	135	130.2	0.36%	29"X45	HERCP	-
P-32A	S-32	S-32A	991.79	991.98	39	35.4	0.54%	24"	RCP	-
P-33	S-33	S-34	992.26	992.72	133	128.3	0.36%	29"X45	HERCP	-
P-33A	S-33	S-33A	993.67	993.82	31	27.7	0.54%	12"	RCP	-
** P-34	S-34	S-35	992.72	992.91	<b>40</b>	<b>34.7</b>	<b>0.55%</b>	21"	TYPE 2	NCM
** P-34A	S-34	S-34A	<b>992.72</b>	<b>993.16</b>	<b>88</b>	<b>85.0</b>	<b>0.52%</b>	18"	RCP	NCM
** P-34B	S-34A	S-34B	<b>993.41</b>	<b>993.64</b>	<b>31</b>	<b>28.5</b>	<b>0.81%</b>	15"	RCP	NCM
** P-34AA	S-34A	S-34AA	<b>993.66</b>	<b>993.70</b>	<b>7</b>	<b>4.0</b>	<b>1.00%</b>	12"	RCP	-
** P-34BB	S-34B	S-34BB	<b>993.89</b>	<b>993.92</b>	<b>7</b>	<b>4.0</b>	<b>0.75%</b>	12"	RCP	-
<b>WISDOM RD</b>										
P-34C	S-34	S-34C	993.22	993.89	67	63.3	1.06%	24"	RCP	-
P-34D	S-34C	S-34D	994.89	995.05	31	28.0	0.57%	12"	RCP	-
** P-35A	S-35	S-35A	992.91	993.10	<b>31</b>	<b>28.0</b>	<b>0.68%</b>	21"	RCP	-
** P-35B	S-35A	S-35B	<b>993.85</b>	<b>993.90</b>	<b>10</b>	<b>7.0</b>	<b>0.71%</b>	12"	TYPE 2	-
<b>FELLAND RD</b>										
P-6	S-6	S-7	989.60	992.00	54.5	54.4	4.41%	15"	TYPE 2	-

## SPECIFIC NOTES

- [1] STRUCTURE SHALL UTILIZE A TERRACE INLET TYPE 5 BOX WITH A TERRACE INLET TYPE 2 DIMENSIONS ON TOP
- [2] INSTALL LOW POINT PVC DRAIN, SEE S.D.D. 5.7.7A
- [3] CONCRETE CUTOFF WALLS SHALL BE CONSTRUCTED PER S.D.D. 5.4.4

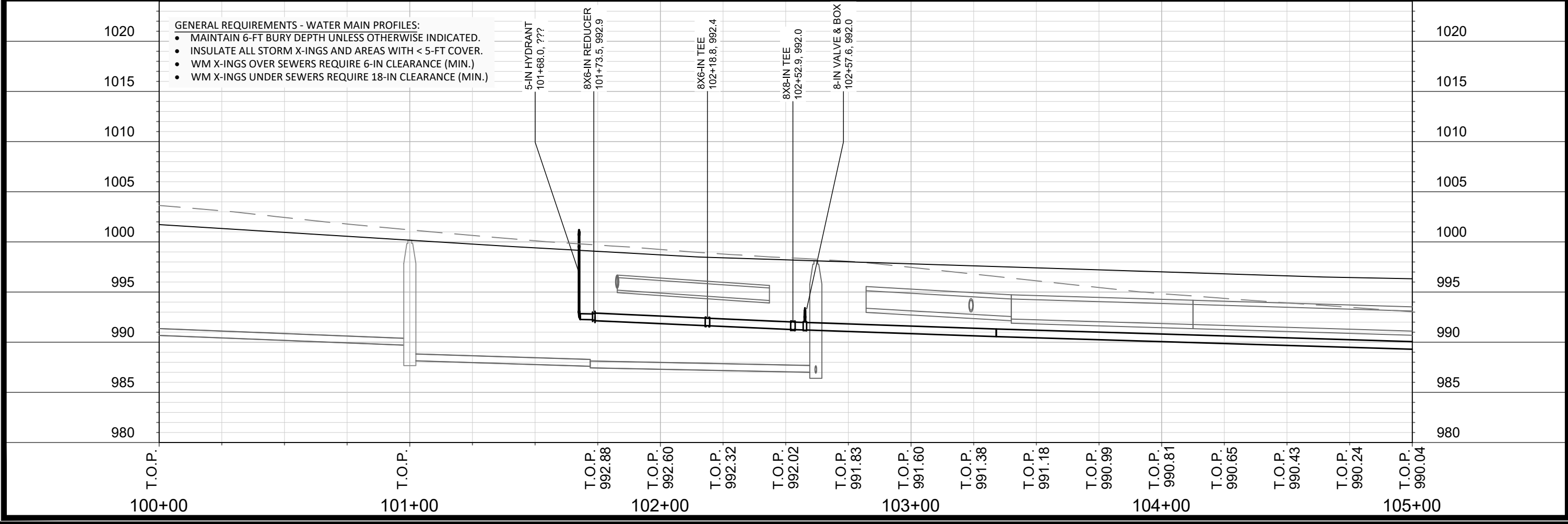
## STANDARD NOTES:

- 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
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SASs.
- 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 REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.
- 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 KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR PRECAST APPROVALS OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.



- INSULATE LATERALS WHERE SHOWN
- PROVIDE MIN. 18" CLEARANCE UNDER STORM
- TAP AT STATIONS INDICATED
- CAP LATERALS AT OFFSET 47.0' LEFT

- 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.)



SCALE: 1" = 40'  
 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 9/9/21

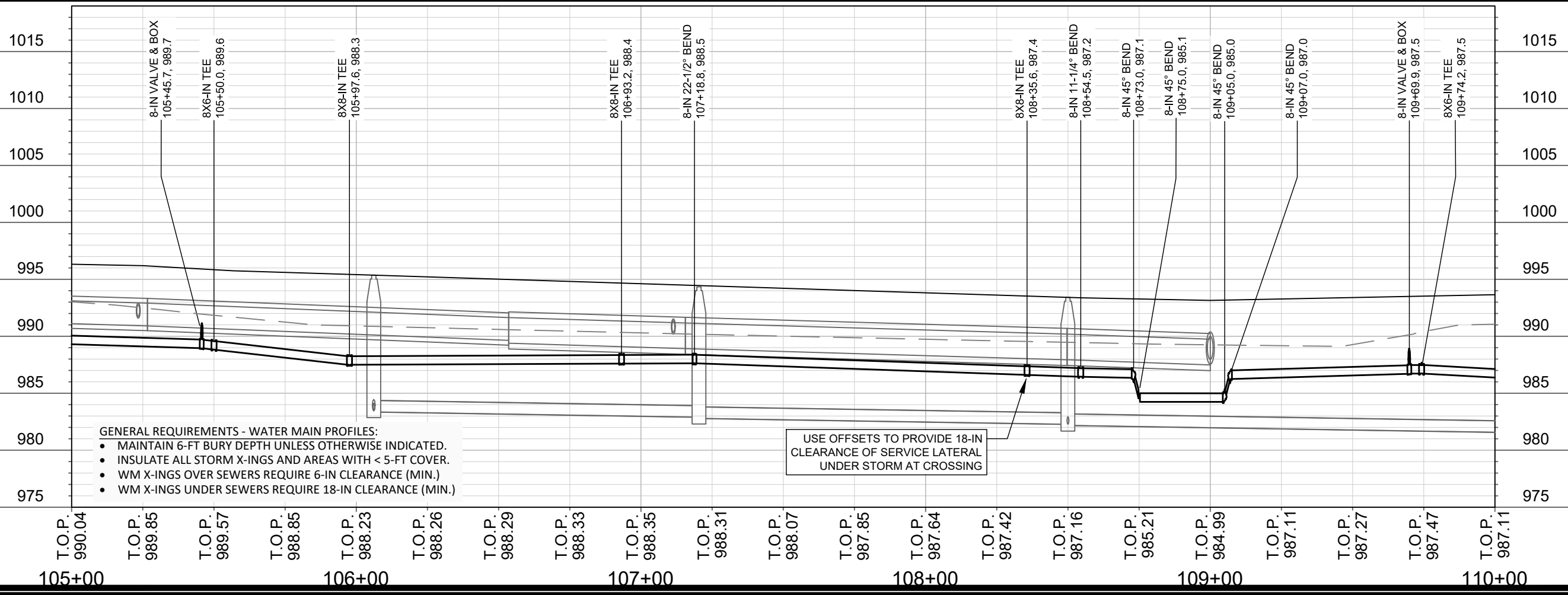
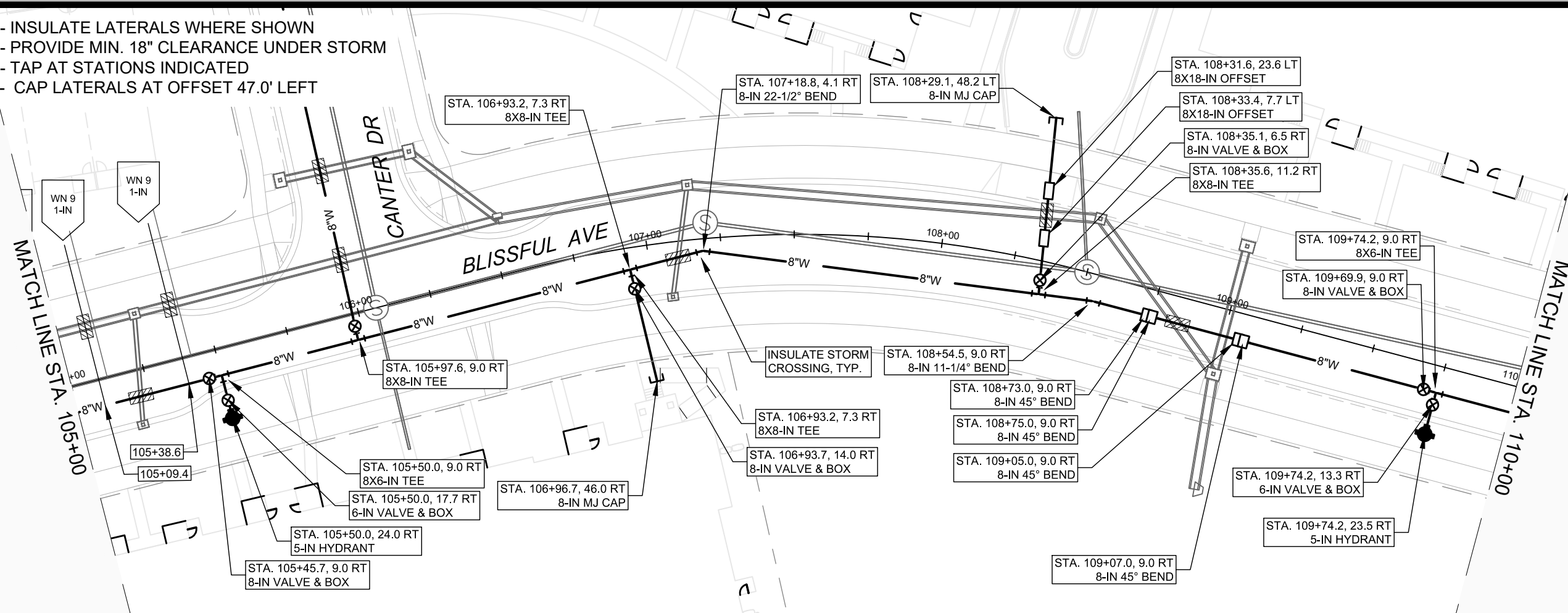
CONTRACT NO: 8343

**JANNAH VILLAGE PHASE 1**  
 - WATER PLAN AND PROFILE - BLISSFUL AVE  
**CITY OF MADISON, WISCONSIN**



12523  
 W-1

- INSULATE LATERALS WHERE SHOWN
- PROVIDE MIN. 18" CLEARANCE UNDER STORM
- TAP AT STATIONS INDICATED
- CAP LATERALS AT OFFSET 47.0' LEFT



- 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.)

USE OFFSETS TO PROVIDE 18-IN CLEARANCE OF SERVICE LATERAL UNDER STORM AT CROSSING

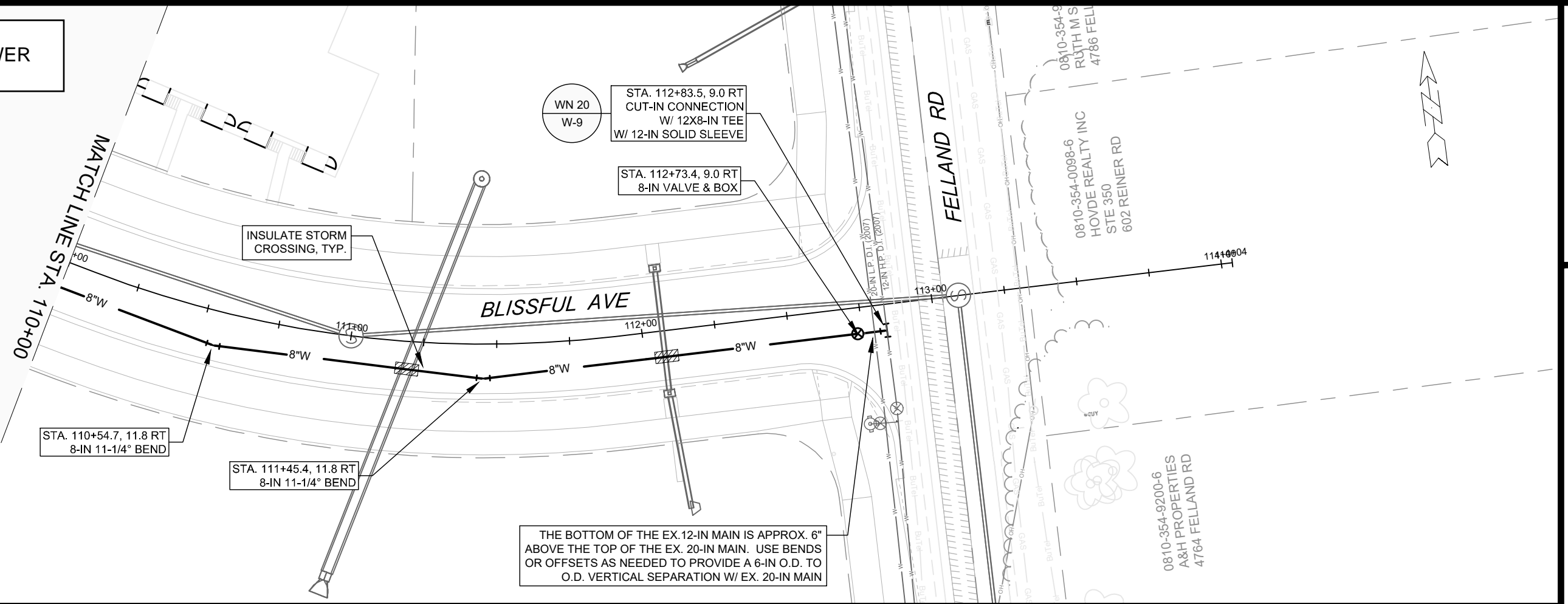
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 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 9/9/21

CONTRACT NO: 8343

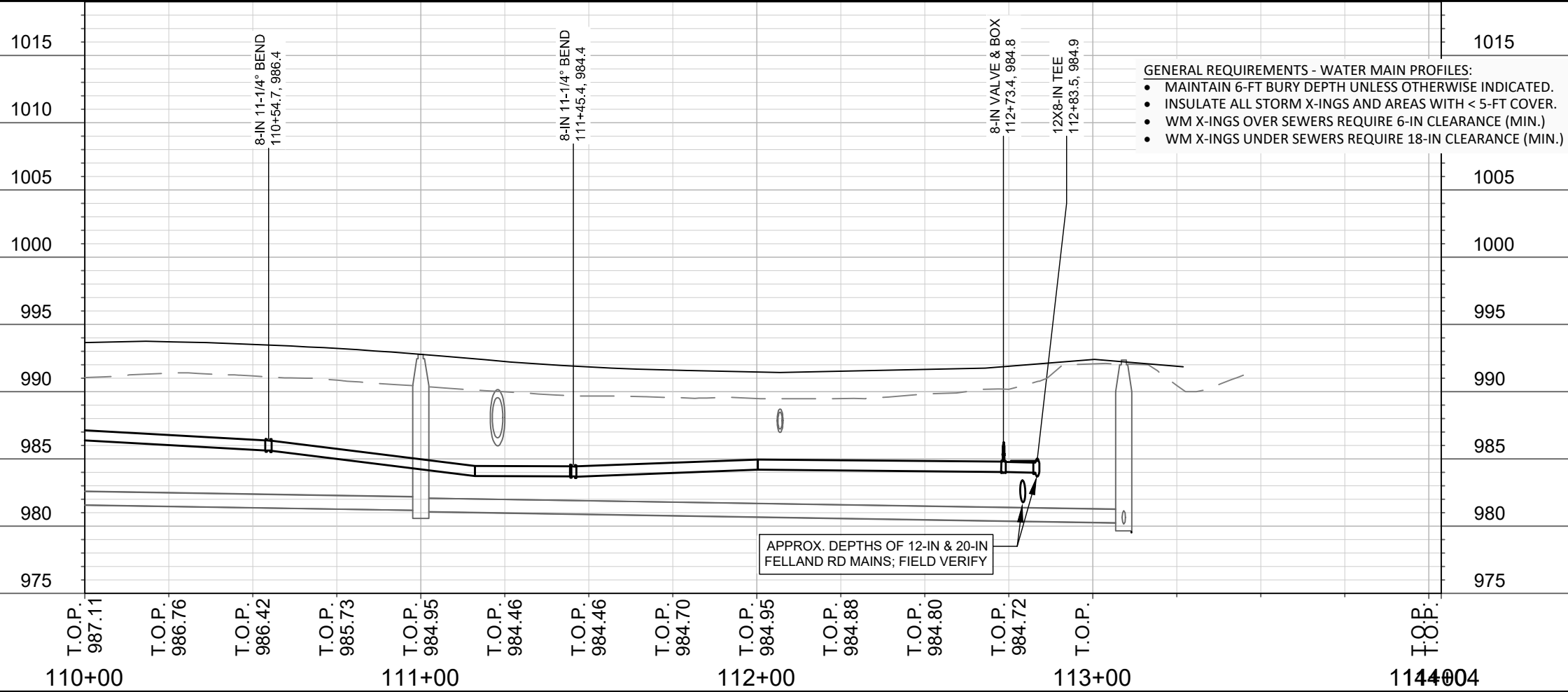
JANNAH VILLAGE PHASE 1  
 - WATER PLAN AND PROFILE - BLISSFUL AVE  
 CITY OF MADISON, WISCONSIN



REPRINTED 11/2/2021  
TO REFLECT STORM SEWER  
REVISION - KBM



THE BOTTOM OF THE EX. 12-IN MAIN IS APPROX. 6" ABOVE THE TOP OF THE EX. 20-IN MAIN. USE BENDS OR OFFSETS AS NEEDED TO PROVIDE A 6-IN O.D. TO O.D. VERTICAL SEPARATION W/ EX. 20-IN MAIN



- 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.)

APPROX. DEPTHS OF 12-IN & 20-IN  
FELLAND RD MAINS; FIELD VERIFY

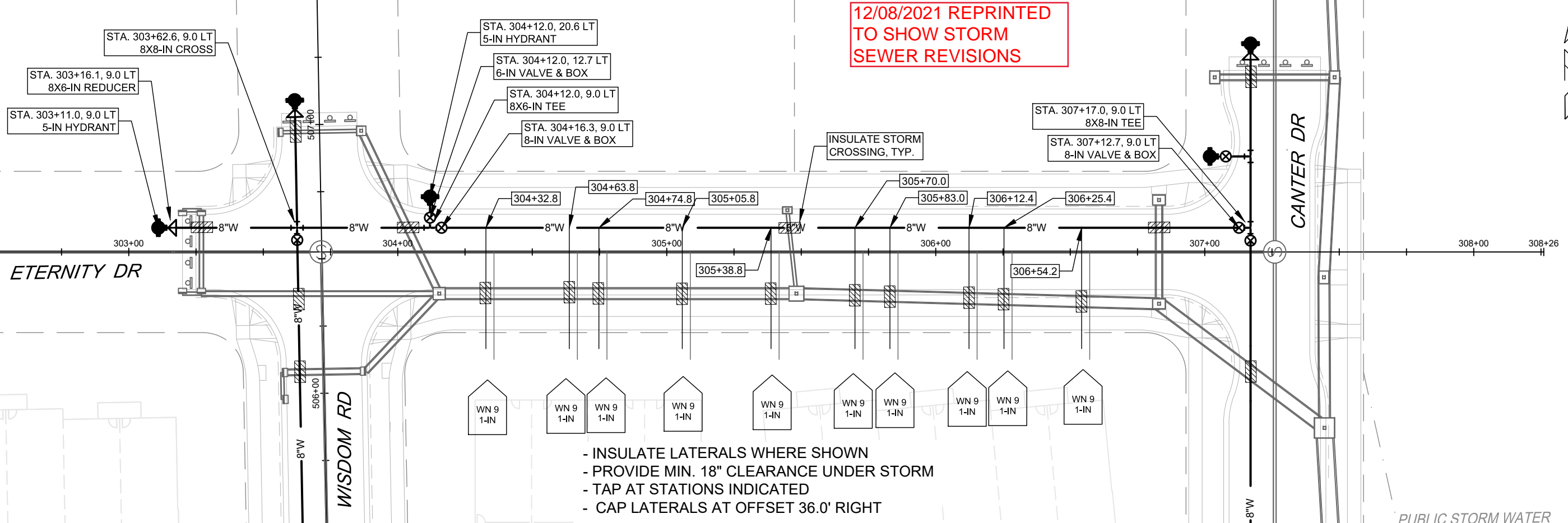
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DESIGNED BY: KBM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 10/19/21

CONTRACT NO: 8343

JANNAH VILLAGE PHASE 1  
- WATER PLAN AND PROFILE - BLISSFUL AVE  
CITY OF MADISON, WISCONSIN

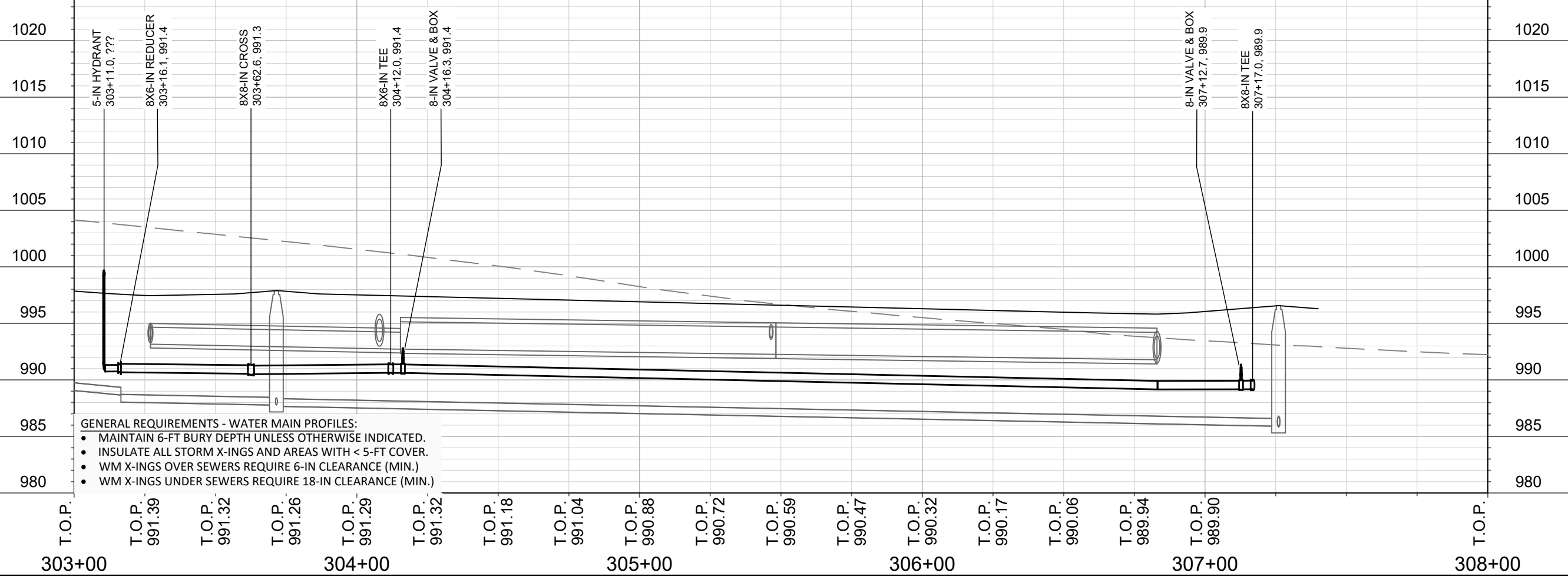


12523  
W-3



12/08/2021 REPRINTED  
TO SHOW STORM  
SEWER REVISIONS

- INSULATE LATERALS WHERE SHOWN
- PROVIDE MIN. 18" CLEARANCE UNDER STORM
- TAP AT STATIONS INDICATED
- CAP LATERALS AT OFFSET 36.0' RIGHT



- 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.)

SCALE: 1" = 40'  
DESIGNED BY: KBM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 12/7/21

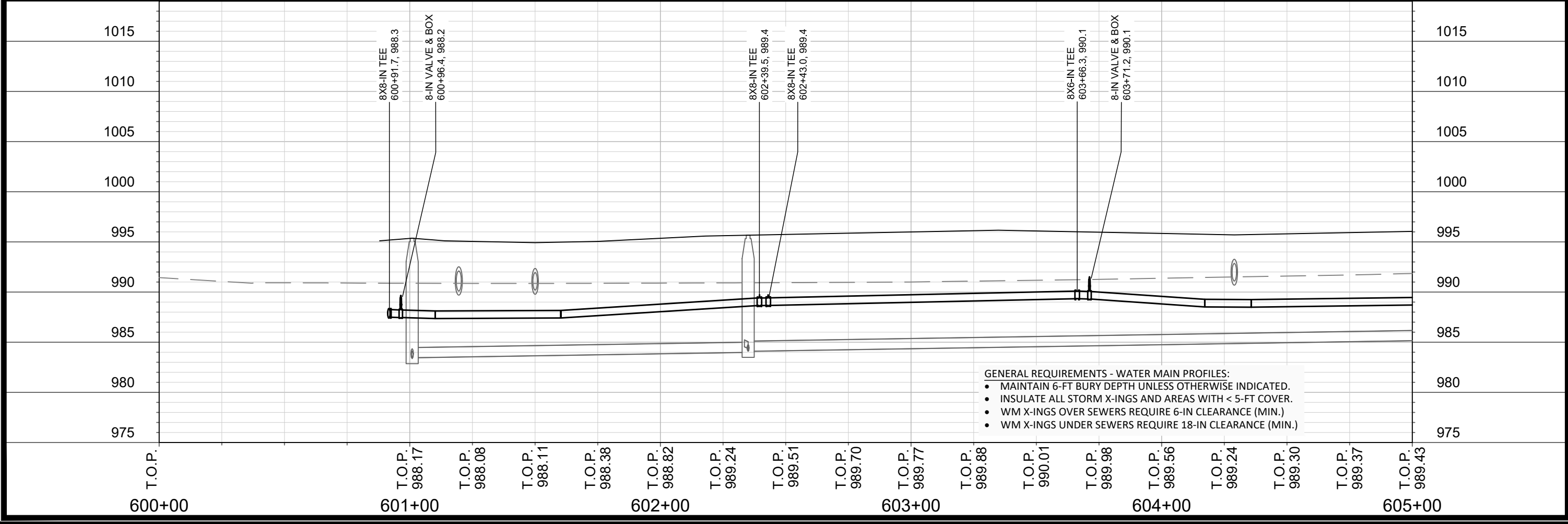
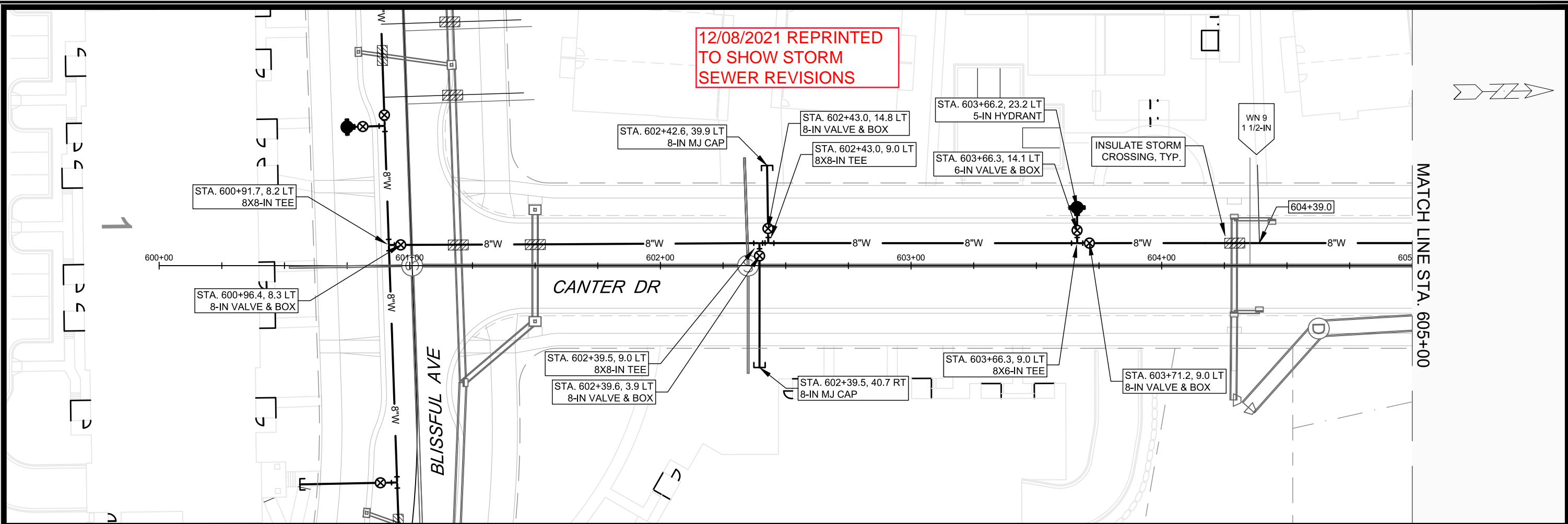
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JANNAH VILLAGE PHASE 1  
- WATER PLAN AND PROFILE - ETERNITY DRIVE  
CITY OF MADISON, WISCONSIN



12523  
W-4

12/08/2021 REPRINTED  
TO SHOW STORM  
SEWER REVISIONS



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

SCALE: 1" = 40'  
DESIGNED BY: KBM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 12/17/21

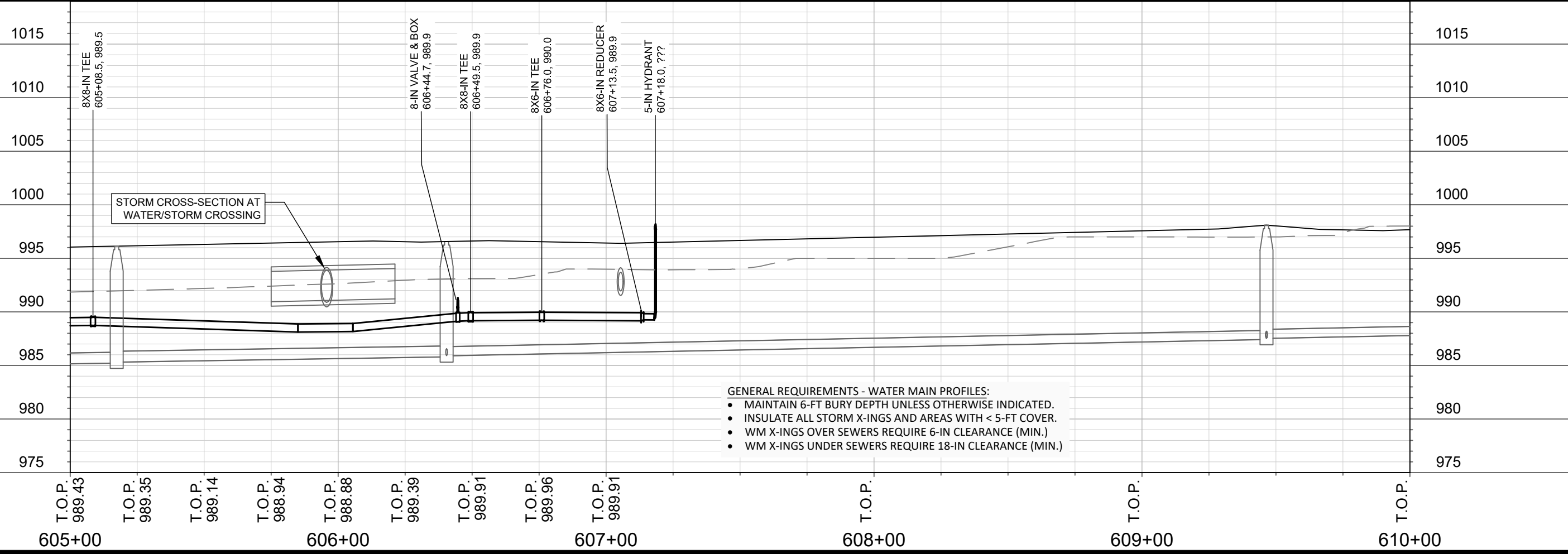
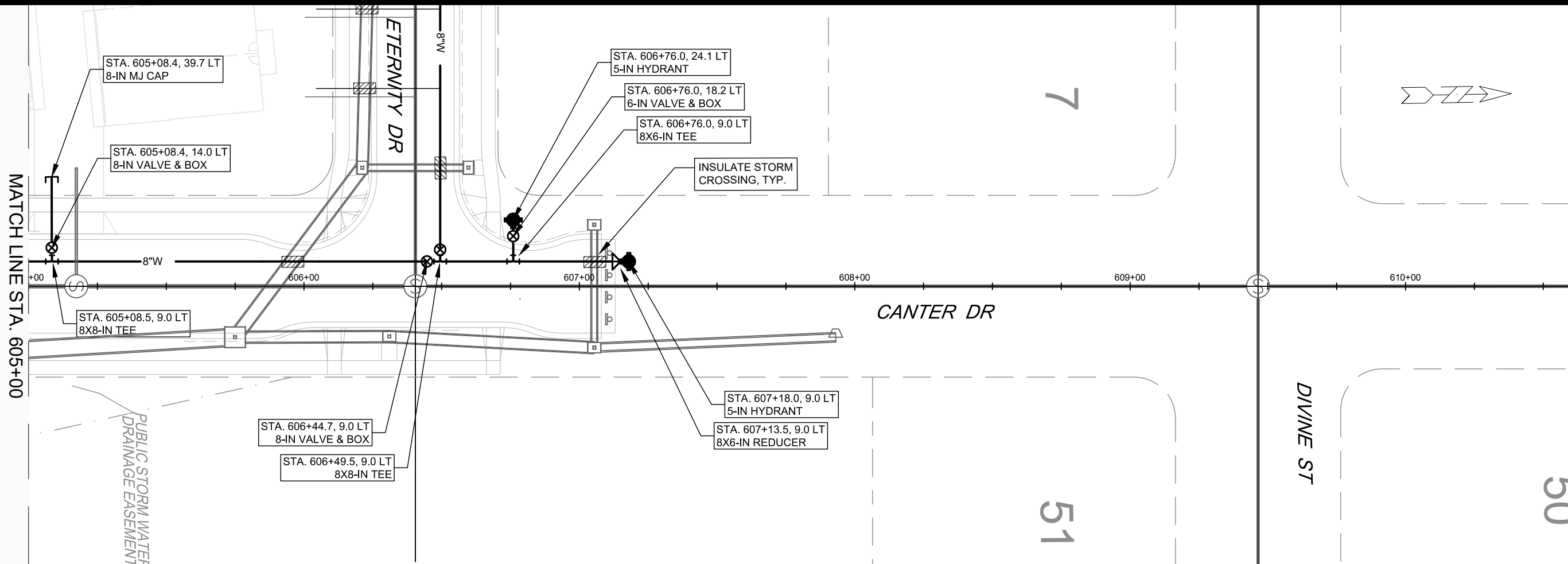
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JANNAH VILLAGE PHASE 1  
- WATER PLAN AND PROFILE - CANTER DRIVE  
CITY OF MADISON, WISCONSIN



12523  
W-5





- GENERAL REQUIREMENTS - WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
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  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

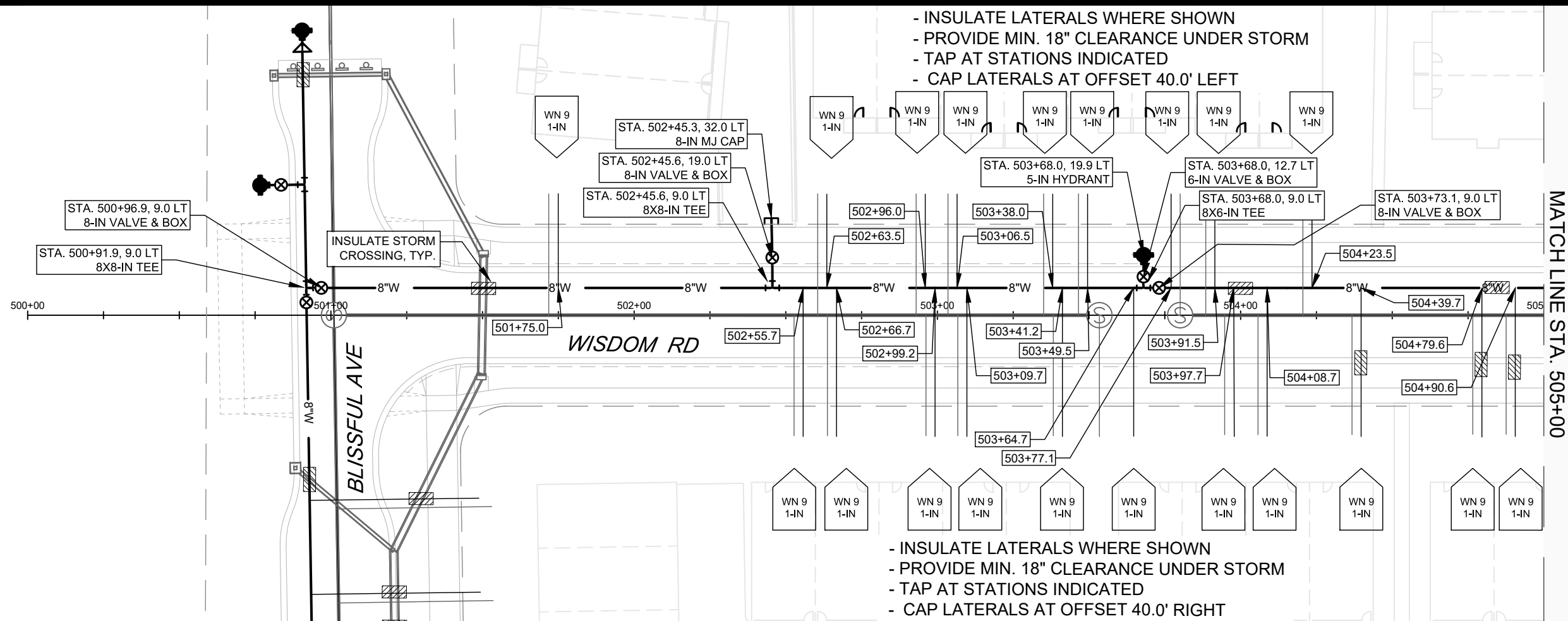
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 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 9/9/21

CONTRACT NO: 8343

JANNAH VILLAGE PHASE 1  
 - WATER PLAN AND PROFILE - CANTER DRIVE  
 CITY OF MADISON, WISCONSIN

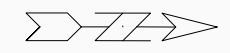


12523  
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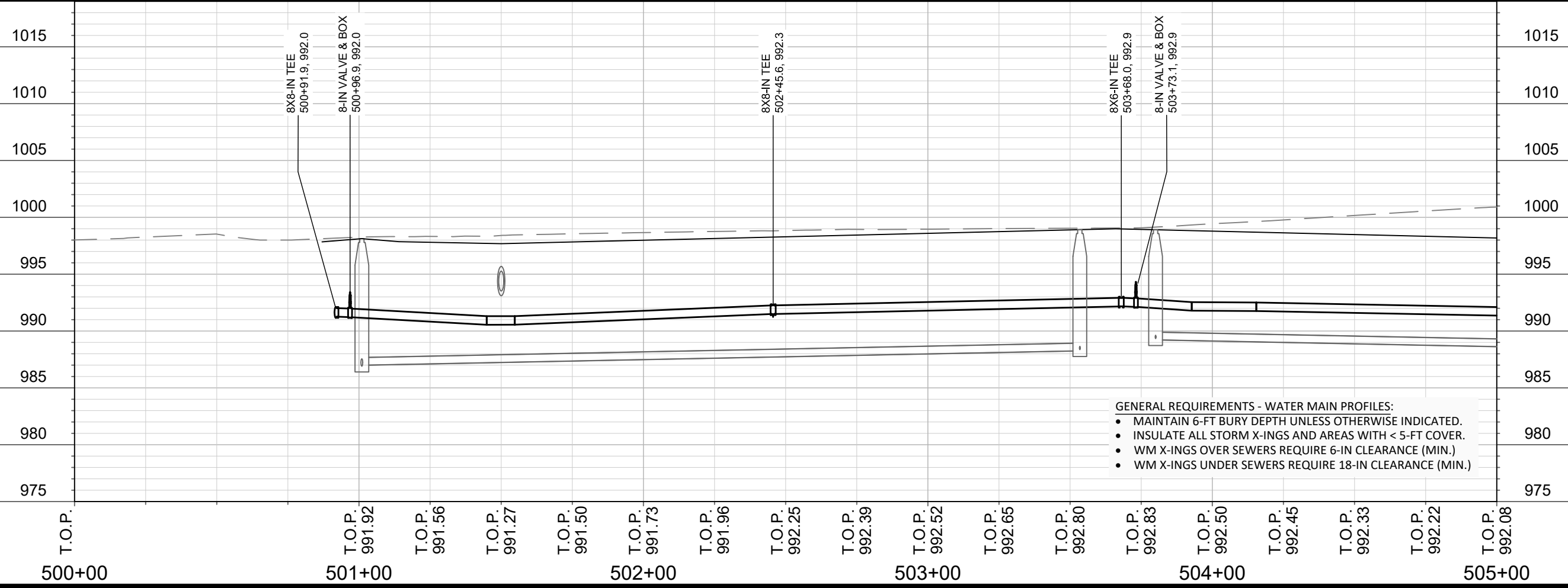


- INSULATE LATERALS WHERE SHOWN  
 - PROVIDE MIN. 18" CLEARANCE UNDER STORM  
 - TAP AT STATIONS INDICATED  
 - CAP LATERALS AT OFFSET 40.0' LEFT

- INSULATE LATERALS WHERE SHOWN  
 - PROVIDE MIN. 18" CLEARANCE UNDER STORM  
 - TAP AT STATIONS INDICATED  
 - CAP LATERALS AT OFFSET 40.0' RIGHT



MATCH LINE STA. 505+00



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.)  
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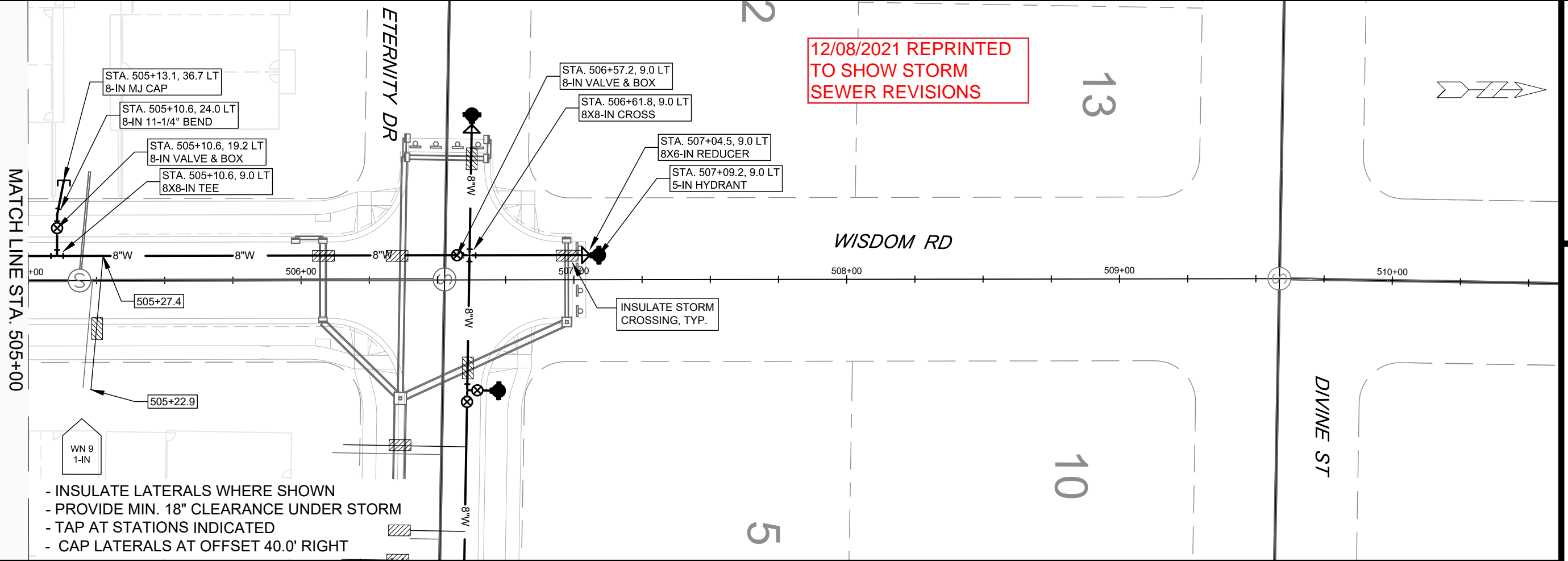
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 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 9/9/21

CONTRACT NO: 8343

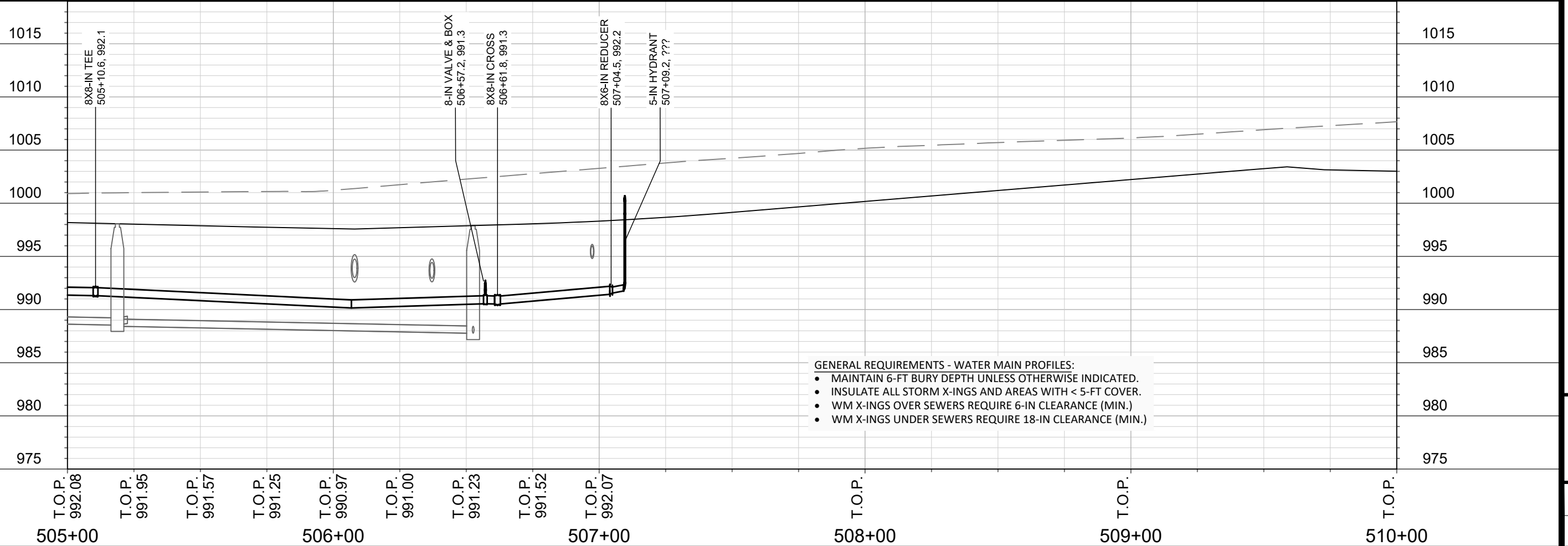
JANNAH VILLAGE PHASE 1  
 - WATER PLAN AND PROFILE - WISDOM ROAD  
 CITY OF MADISON, WISCONSIN



12523  
 W-7



- INSULATE LATERALS WHERE SHOWN
- PROVIDE MIN. 18" CLEARANCE UNDER STORM
- TAP AT STATIONS INDICATED
- CAP LATERALS AT OFFSET 40.0' RIGHT



- GENERAL REQUIREMENTS - WATER MAIN PROFILES:
- MAINTAIN 6-FT BURY DEPTH UNLESS OTHERWISE INDICATED.
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  - WM X-INGS OVER SEWERS REQUIRE 6-IN CLEARANCE (MIN.)
  - WM X-INGS UNDER SEWERS REQUIRE 18-IN CLEARANCE (MIN.)

SCALE: 1" = 40'  
 DESIGNED BY: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 12/17/21

CONTRACT NO: 8343

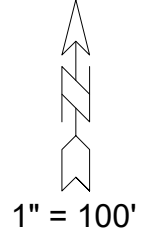
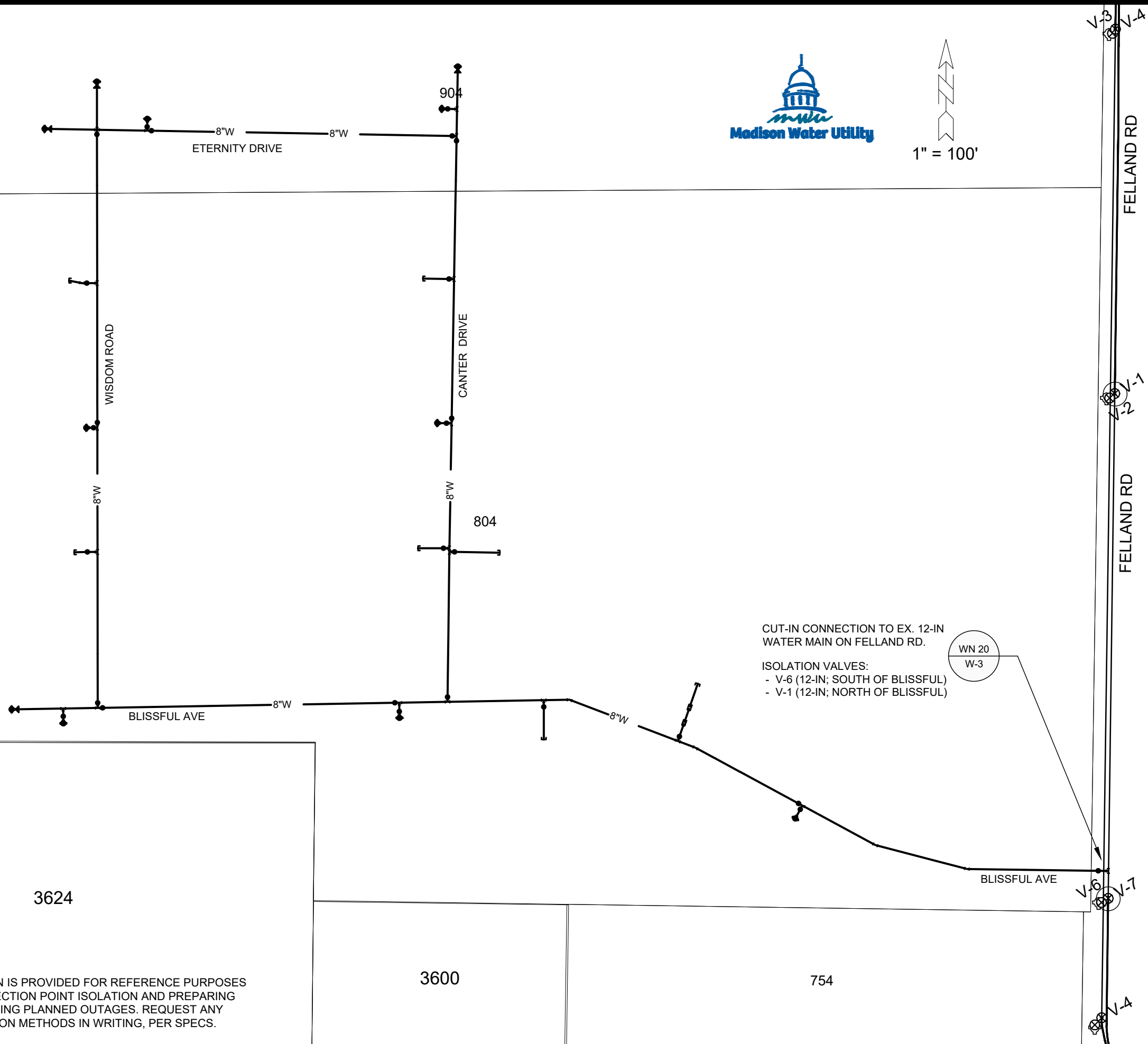
JANNAH VILLAGE PHASE 1  
 - WATER PLAN AND PROFILE - WISDOM ROAD  
 CITY OF MADISON, WISCONSIN



12523  
 W-8

text

text



CUT-IN CONNECTION TO EX. 12-IN WATER MAIN ON FELLAND RD.

- ISOLATION VALVES:
- V-6 (12-IN; SOUTH OF BLISSFUL)
  - V-1 (12-IN; NORTH OF BLISSFUL)



**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: KBM  
 MADISON WATER UTILITY  
 119 E OLIN AVE, MADISON, WI 53713  
 PRINTING DATE: 7/26/2021

JANNAH VILLAGE PHASE 1  
 WATER IMPACT PLAN  
 CITY OF MADISON, WISCONSIN  
 CONTRACT NO: 8343



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 W-9



**CONSTRUCTION NOTES:**

- 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.
- VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
- MINIMIZE DISRUPTION OF SERVICE TO CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
- THE EXISTING UTILITIES SHOWN ON THIS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN-2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN-3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN-4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW WATER MAIN.
- WN-5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN-6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN-7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN-8 ABANDON THE VALVE BOX.
- WN-9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN-10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN-11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE
- WN-20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

**WATER UTILITY ULO SCHEDULE**

N/A

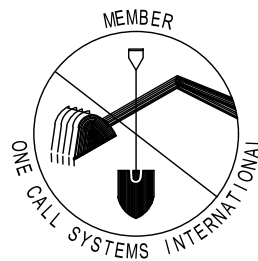
**ESTIMATE OF NEW MATERIALS\***

DESCRIPTION	QUANTITY	UNIT
6 INCH WATER PIPE	11	LNFT
8 INCH WATER PIPE	3100	LNFT
6 INCH WATER VALVE & BOX	7	EACH
8 INCH WATER VALVE & BOX	19	EACH
1 INCH COPPER SERVICES/BOXES/STOPS	41	EACH
1.5 INCH COPPER SERVICES/BOXES/STOPS	1	EACH
8 IN MJ CAP	7	EACH
8X8 IN CROSS	1	EACH
8 IN 45° BEND	4	EACH
8 IN 22 1/2° BEND	1	EACH
8 IN 11 1/4° BEND	4	EACH
8X6 IN REDUCER	4	EACH
8X6 IN TEE	7	EACH
8X8 IN TEE	12	EACH
12X8 IN TEE	1	EACH
12 IN SOLID SLEEVE	1	EACH
8X18 IN OFFSET	2	EACH
5 IN HYDRANT	11	EACH
STYROFOAM INSULATION BOARDS	47	EACH

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.



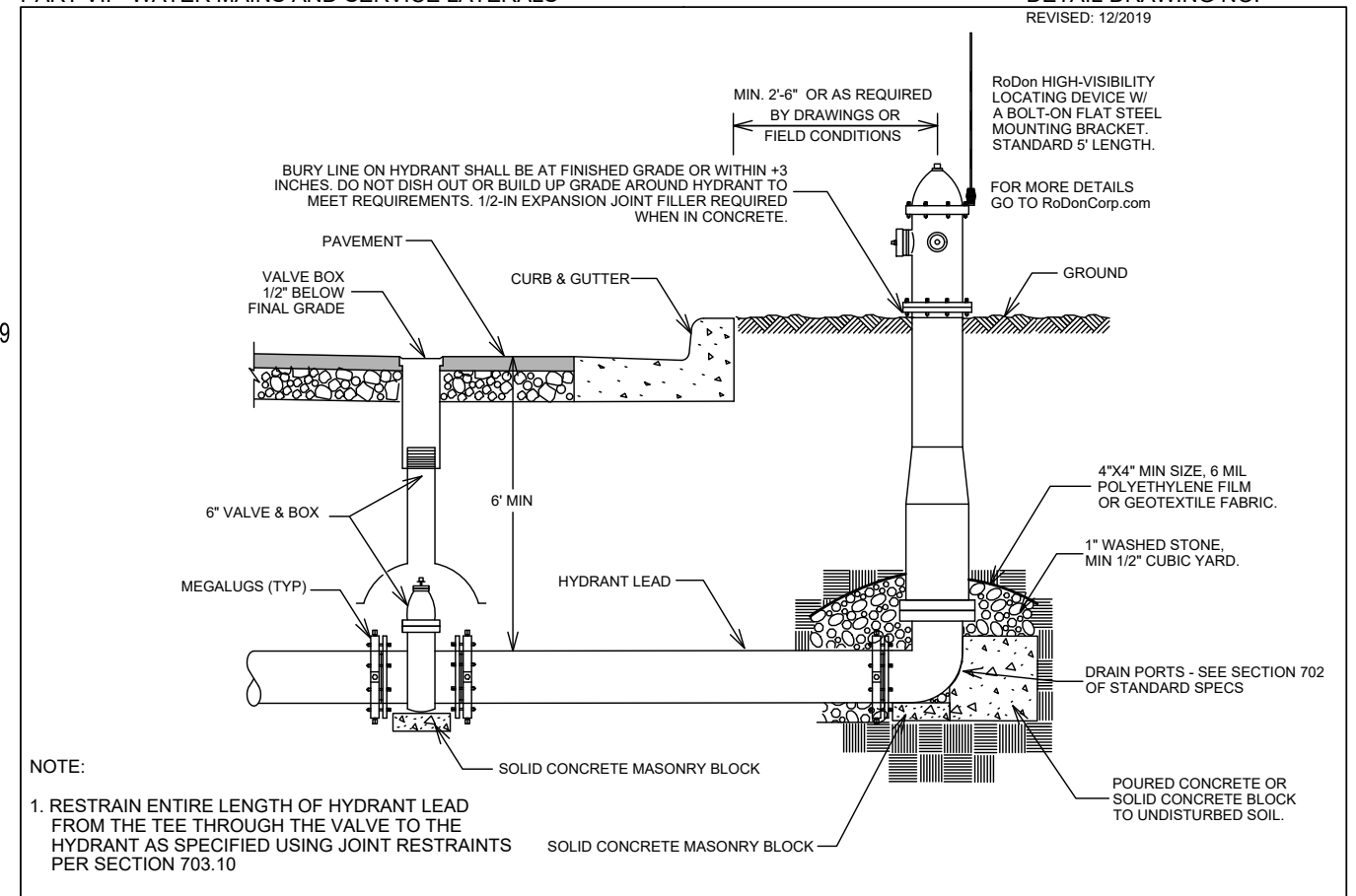
\* ESTIMATES OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE OFF.

**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: 12/2019



**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

SCALE: N/A  
DESIGNED BY: KBM  
MADISON WATER UTILITY  
119 E OLIN AVE, MADISON, WI 53713  
PRINTING DATE: 7/26/2021

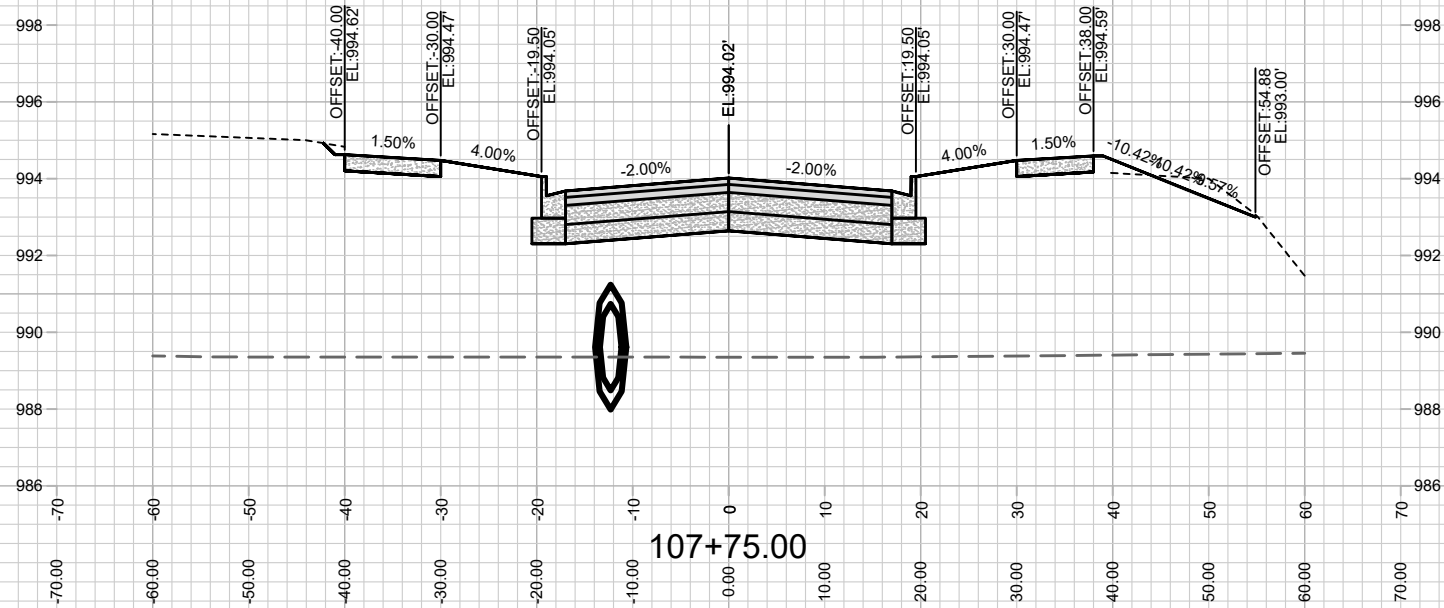
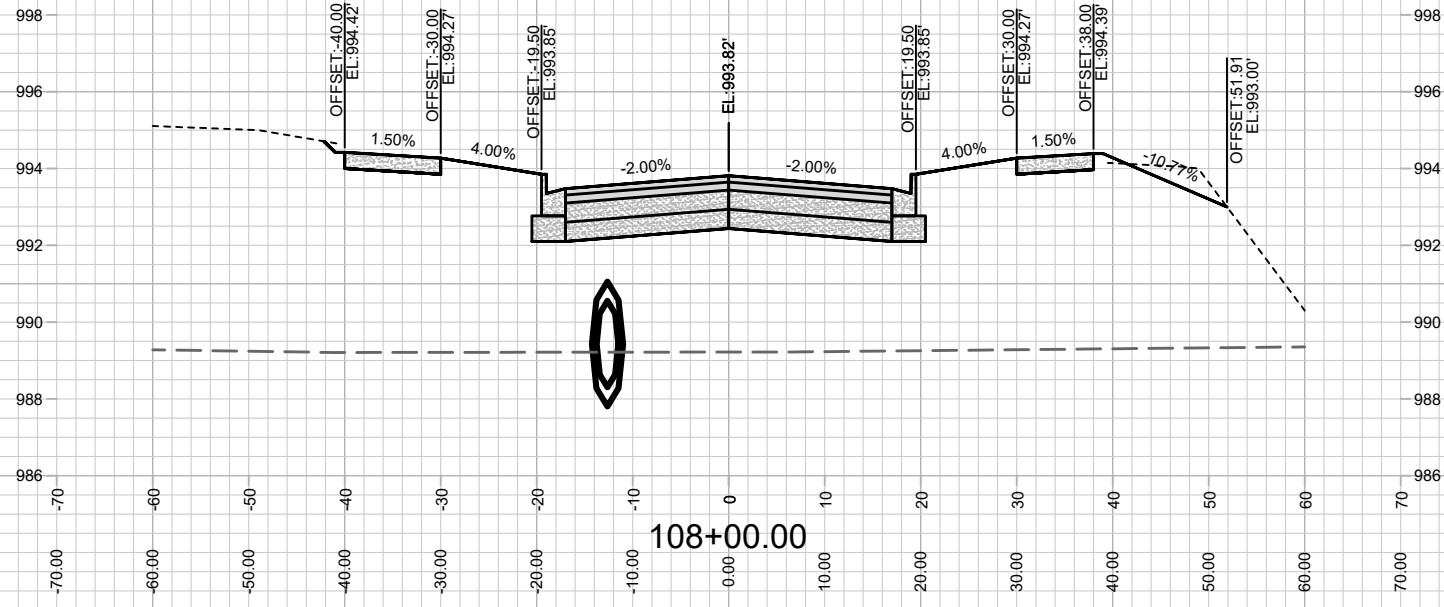
CONTRACT NO: 8343

JANNAH VILLAGE PHASE 1  
- WATER MATERIALS & DETAILS  
CITY OF MADISON, WISCONSIN



12523

W-10



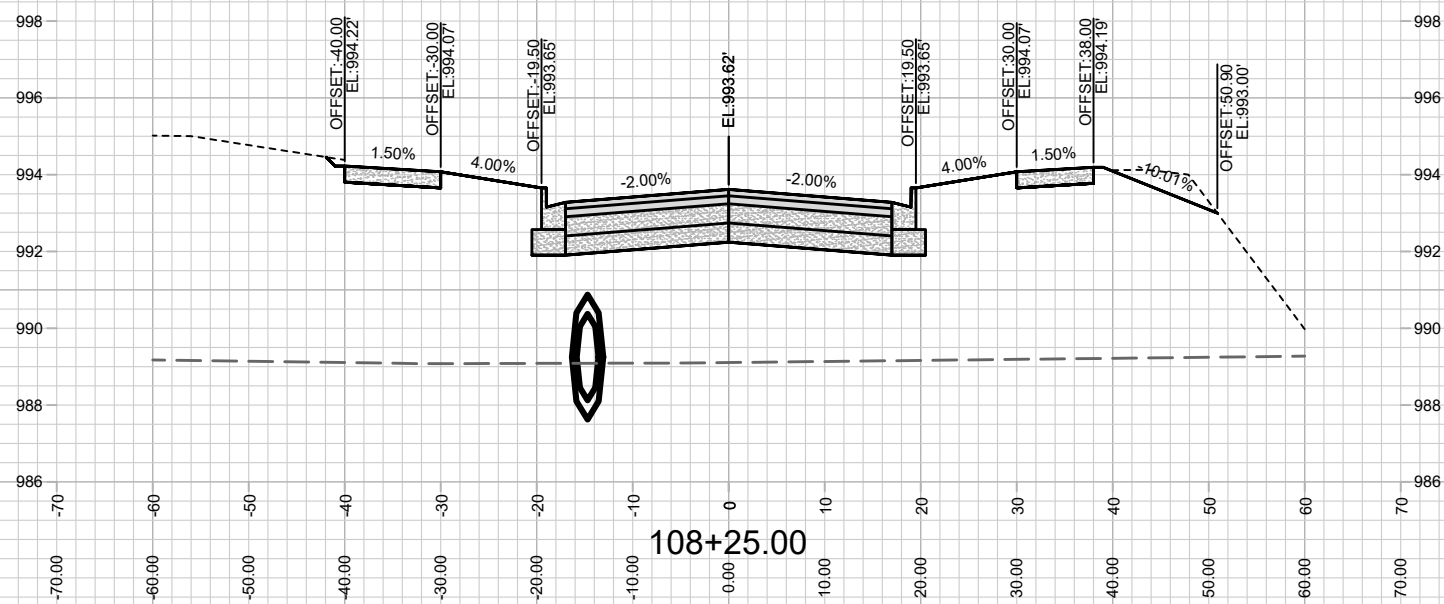
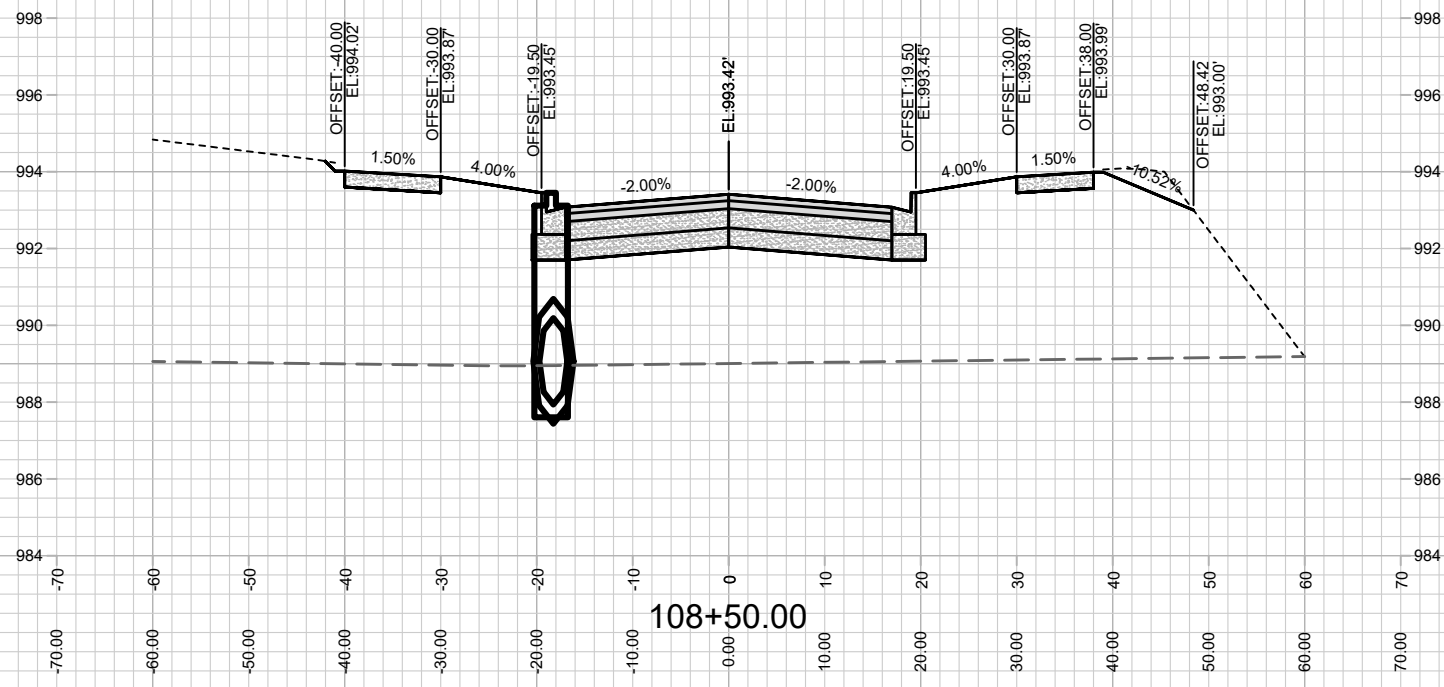
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12523			
Designed By: ###	Date: 9/16/2021 8:20 AM	Scale: #####	X-1

12523  
MADISON, WI  
8343  
CONTRACT NO:

CROSS SECTIONS-BLISSFUL AVE  
JANNAH VILLAGE PHASE 1  
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MARK	REVISION	DATE	BY

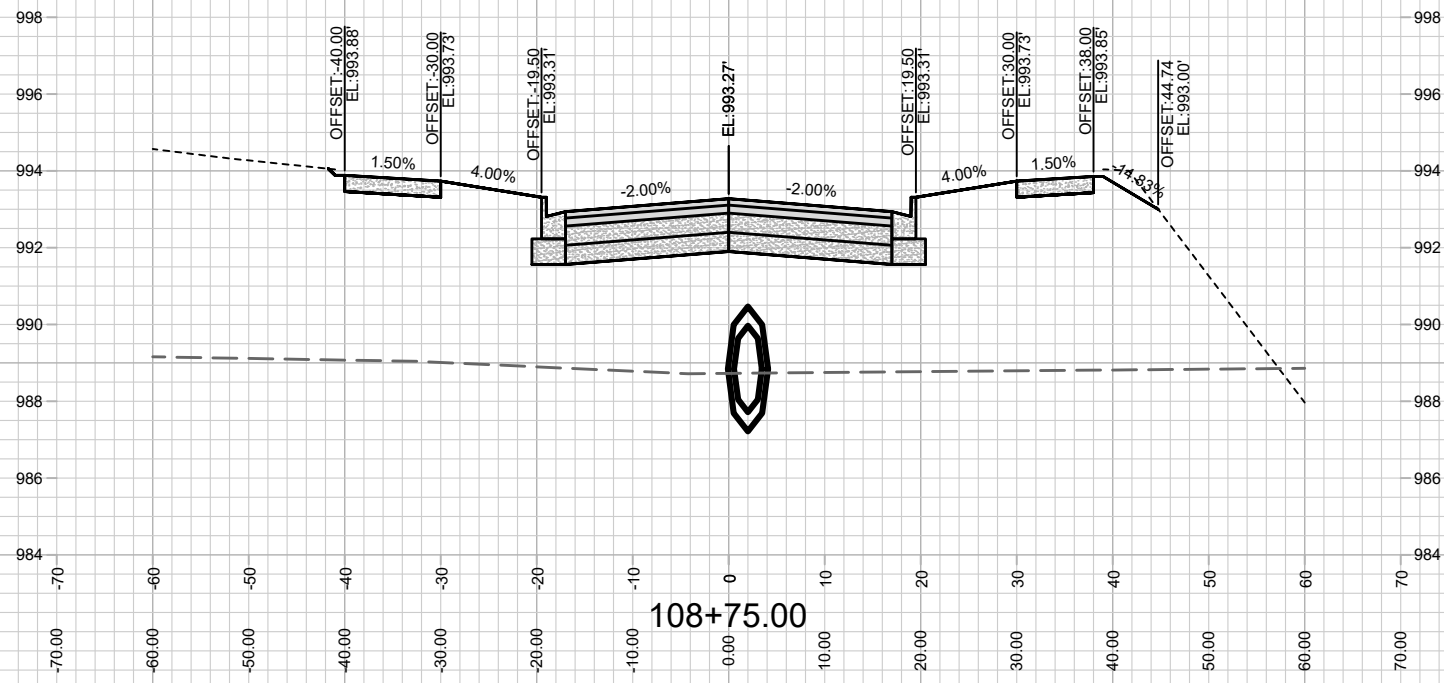
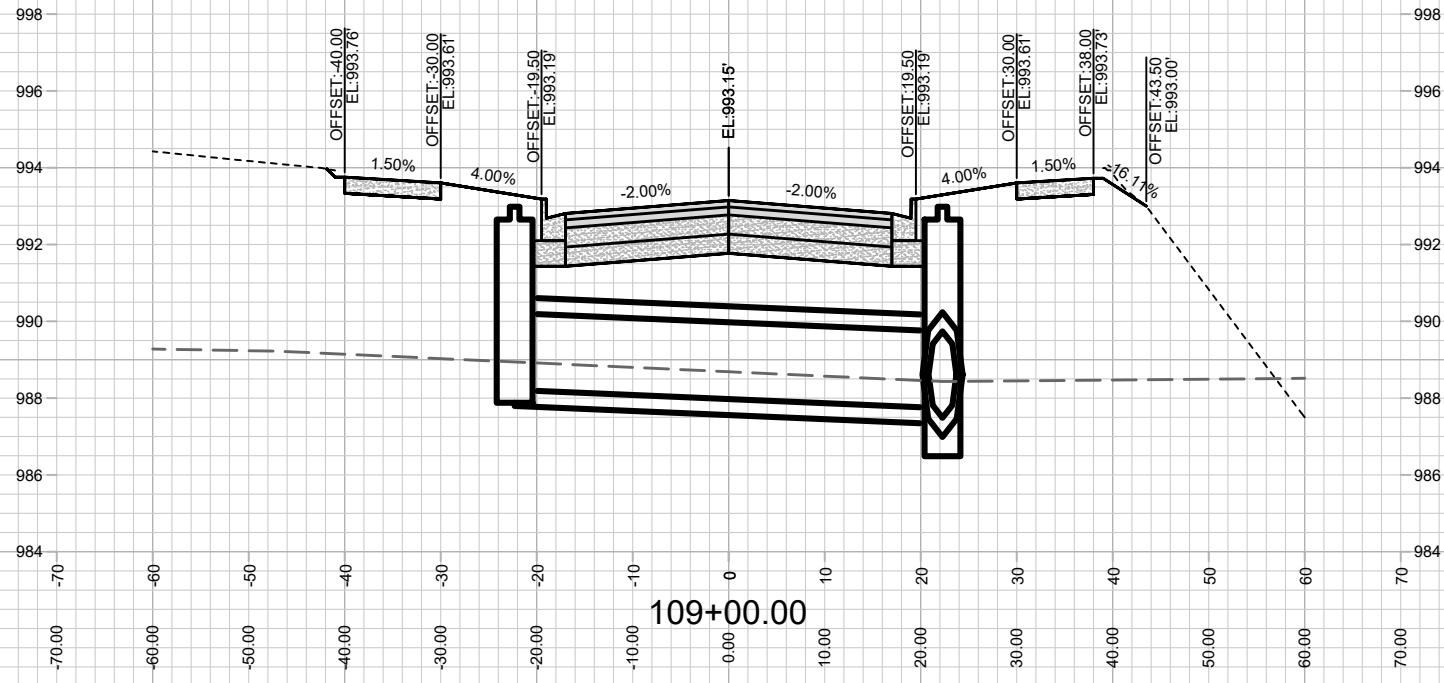
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 MADISON, WI  
 8343  
 CONTRACT NO:

CROSS SECTIONS-BLISSFUL AVE  
 JANNAH VILLAGE PHASE 1  
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Designed By: ###  
 12523  
 Scale: #####  
 X-2



CROSS SECTIONS-BLISSFUL AVE  
JANNAH VILLAGE PHASE 1

12523  
MADISON, WI

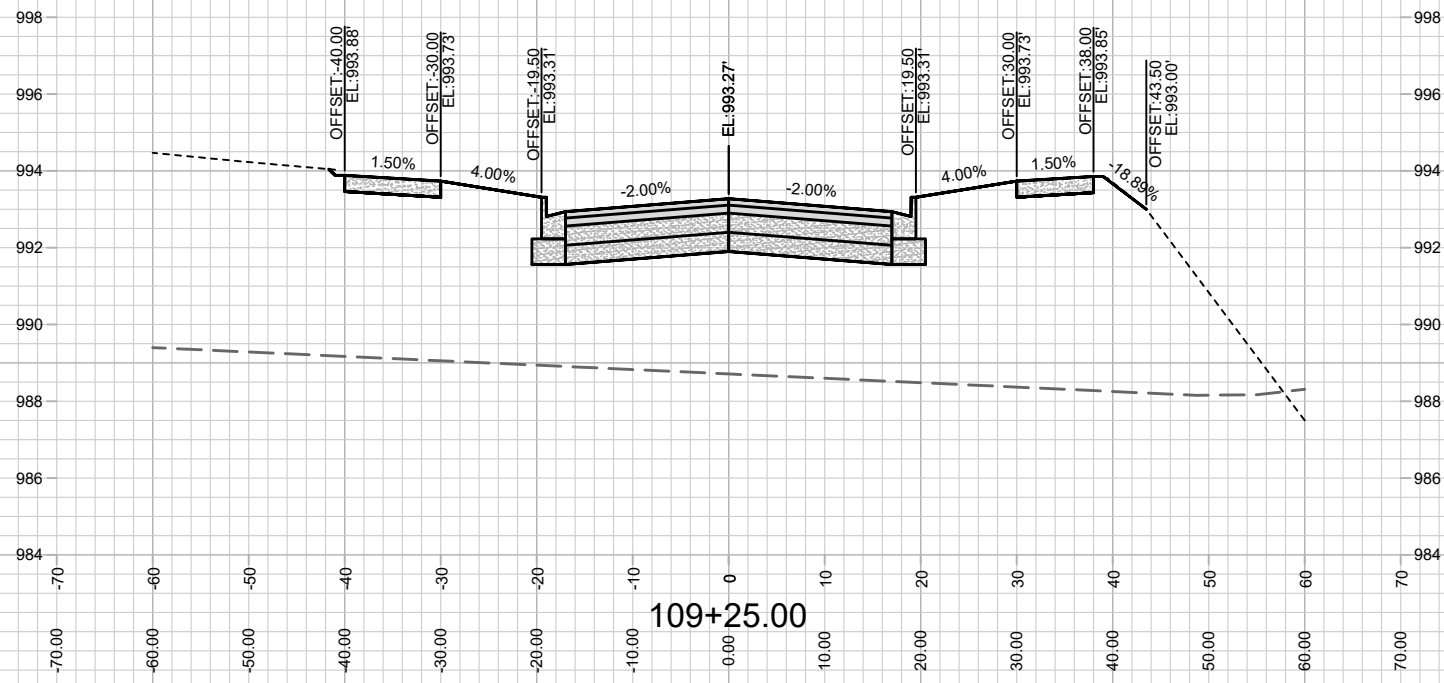
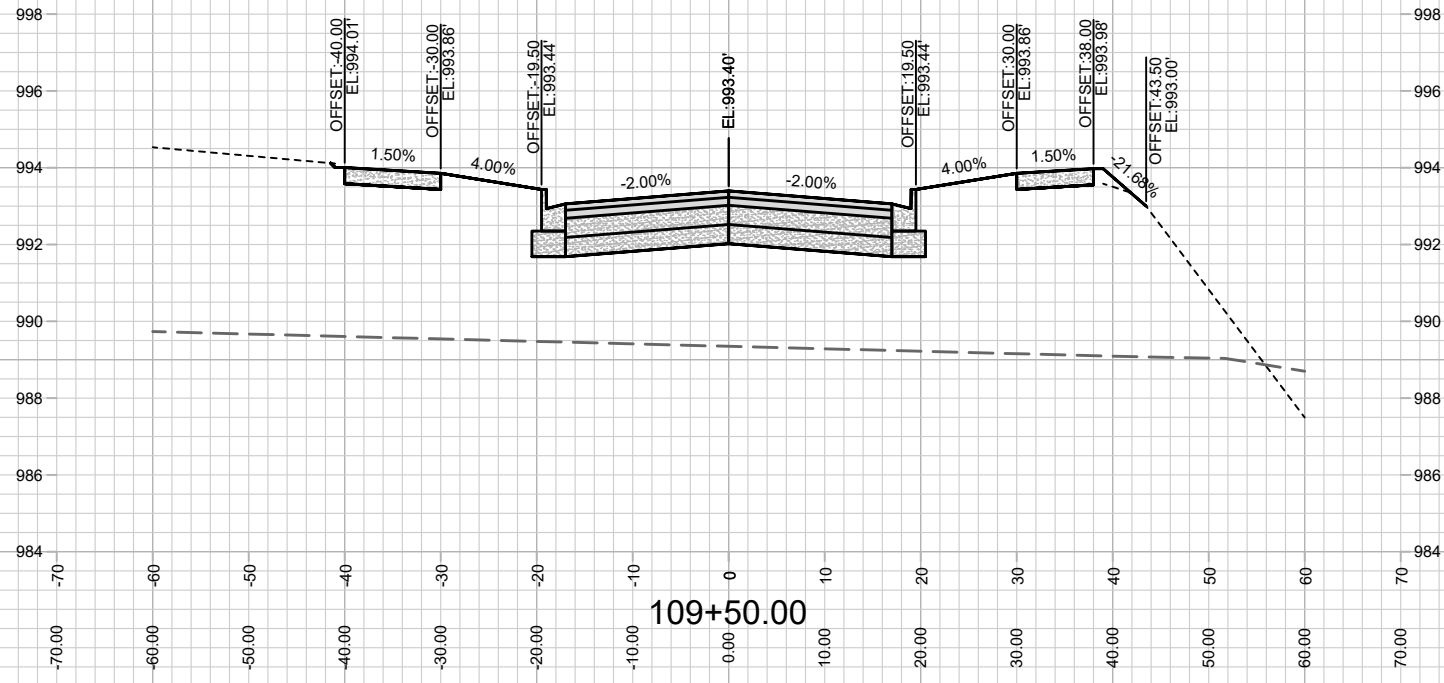
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X-3



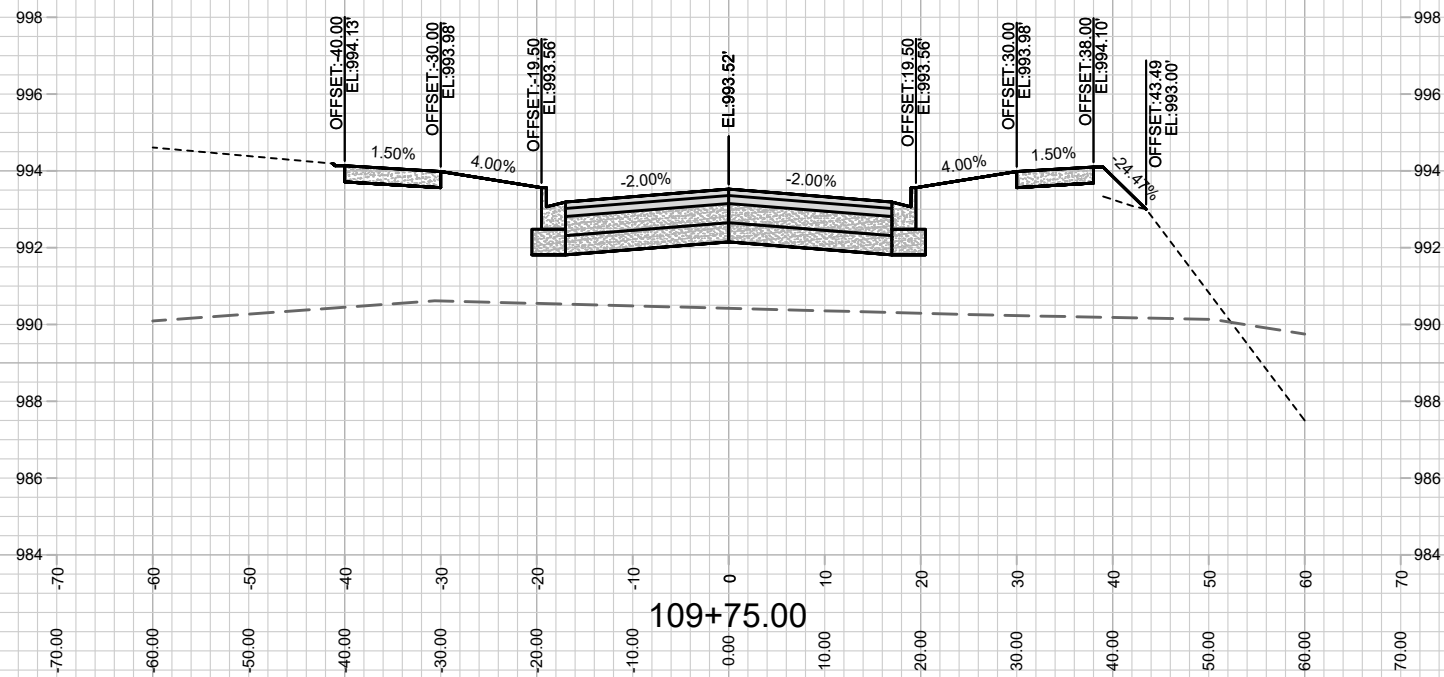
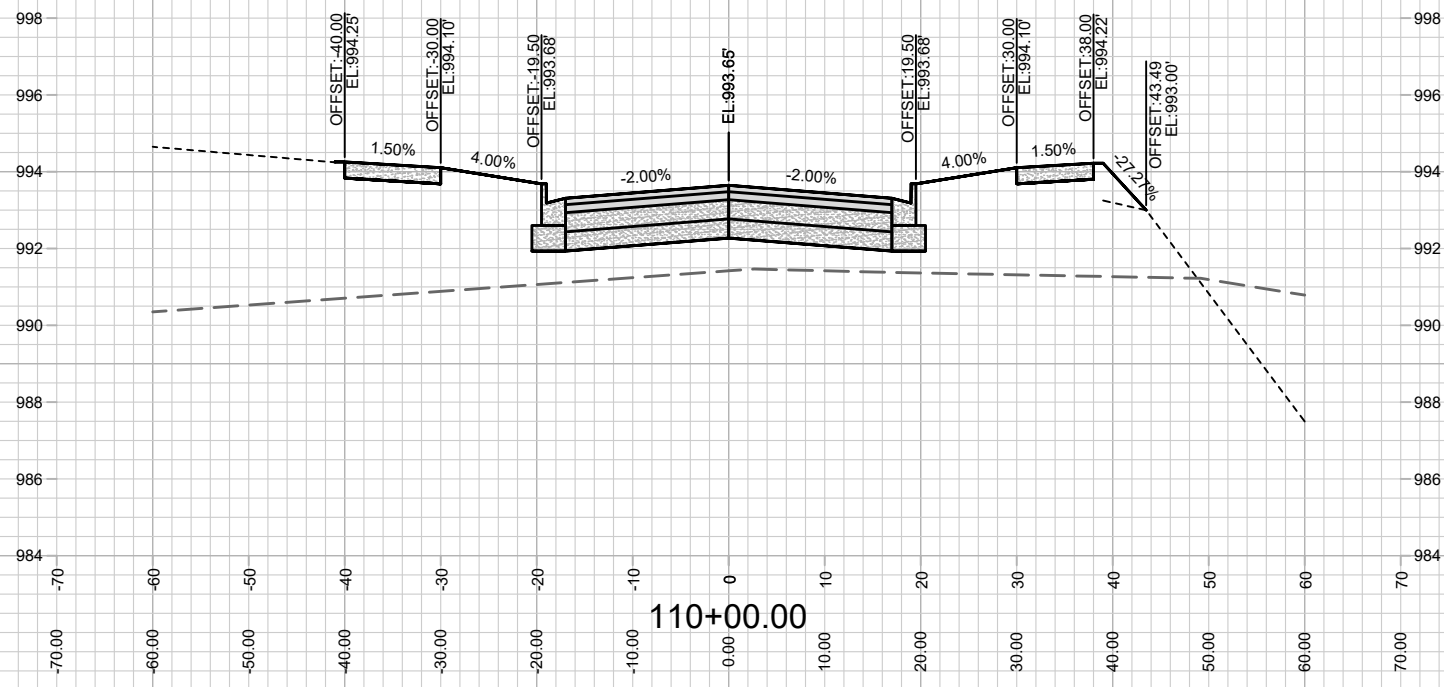


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MADISON, WI  
8343  
CONTRACT NO:

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JANNAH VILLAGE PHASE 1  
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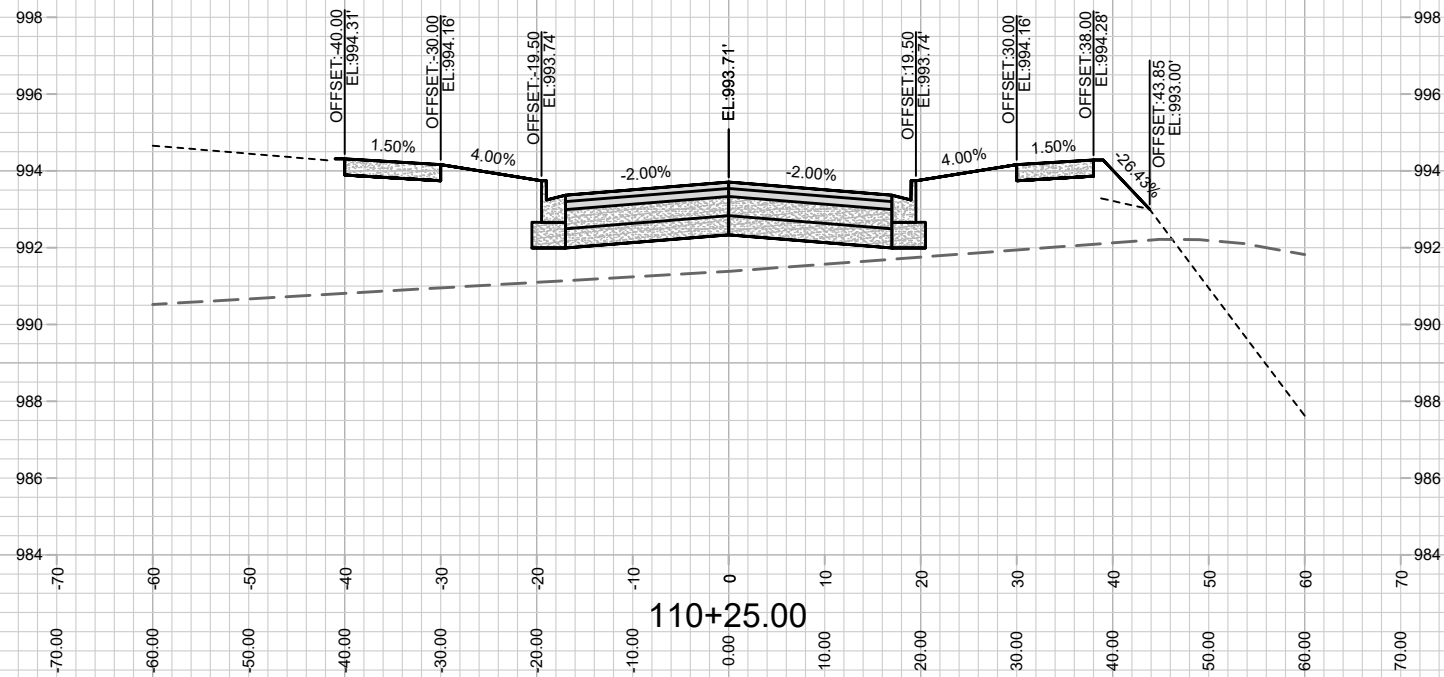
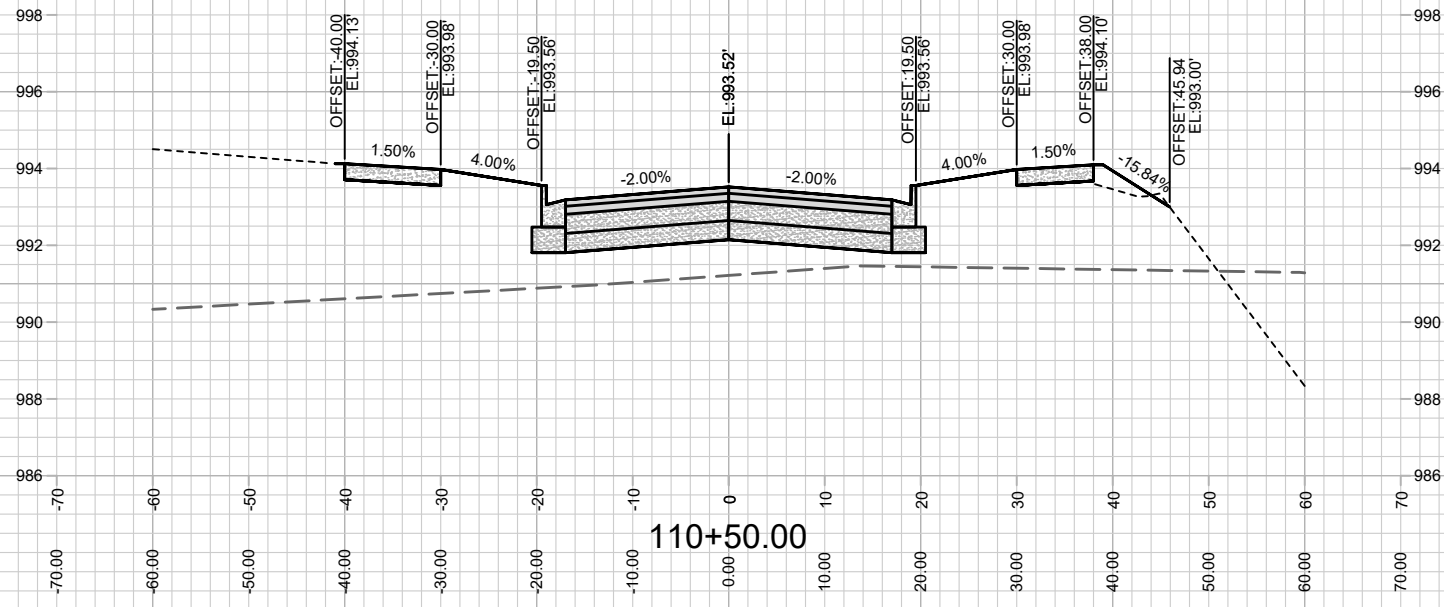
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12523  
 MADISON, WI  
 8343  
 CONTRACT NO:

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 JANNAH VILLAGE PHASE 1  
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12523  
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CROSS SECTIONS-BLISSFUL AVE  
JANNAH VILLAGE PHASE 1  
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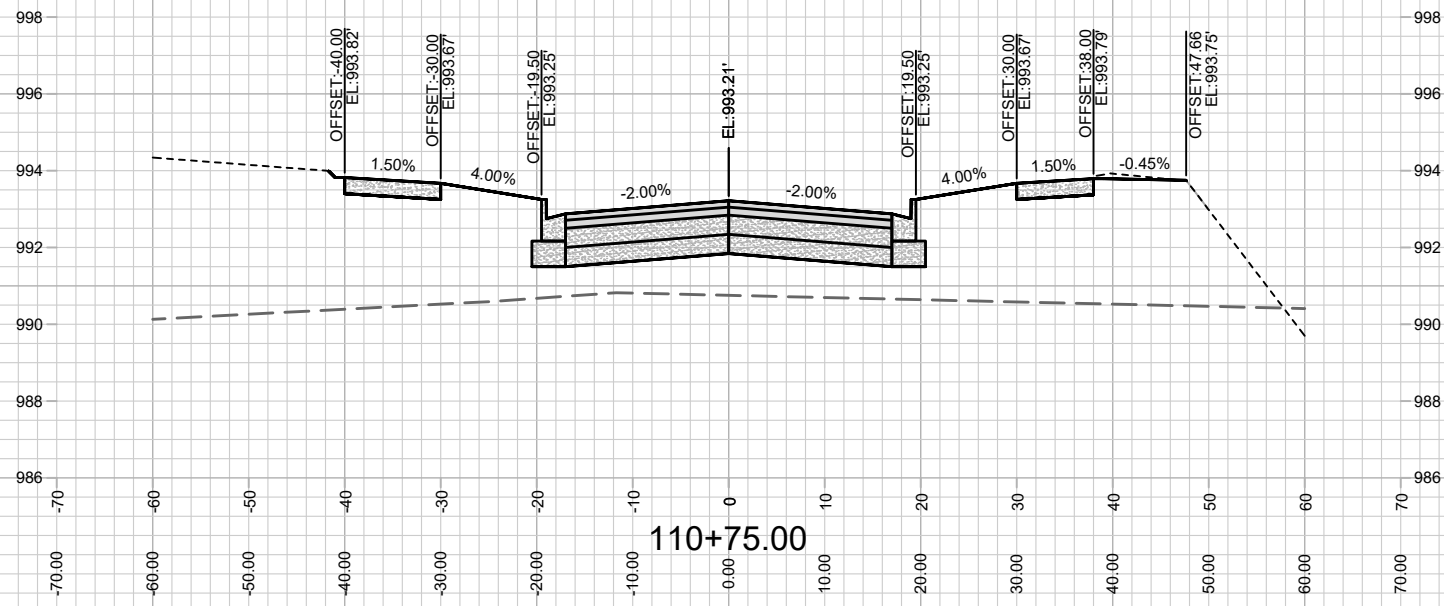
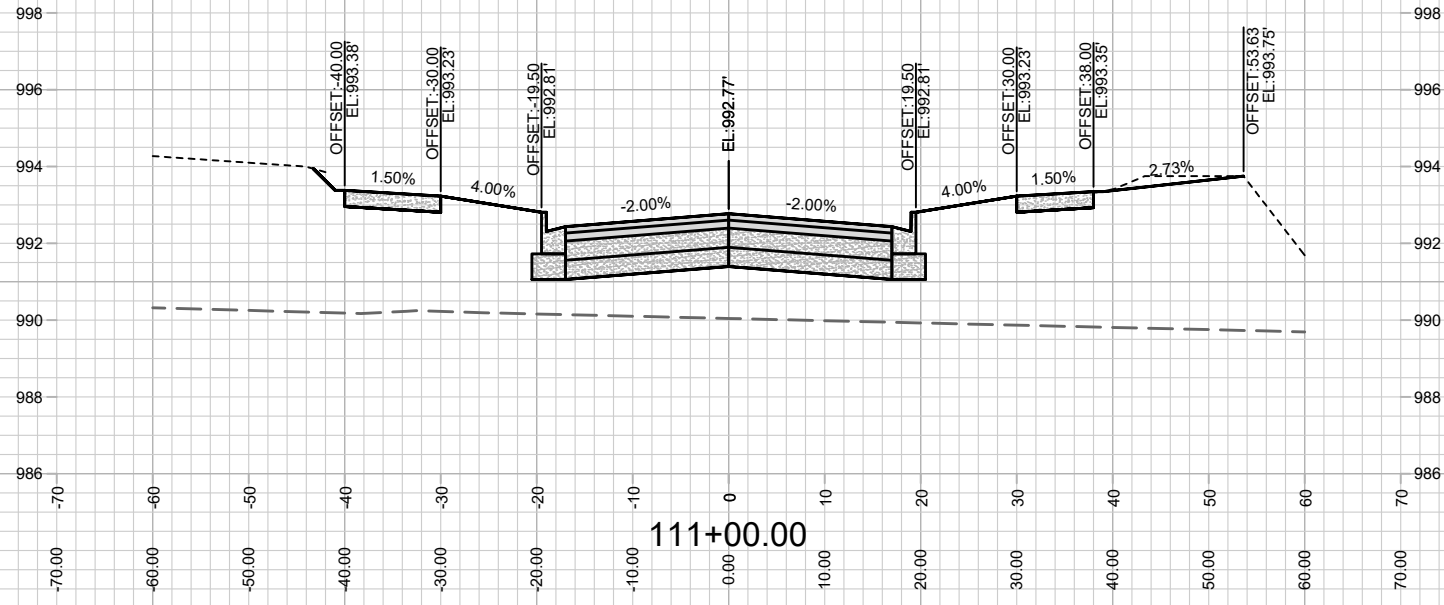
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CONTRACT NO: 8343

12523

MADISON, WI

8343



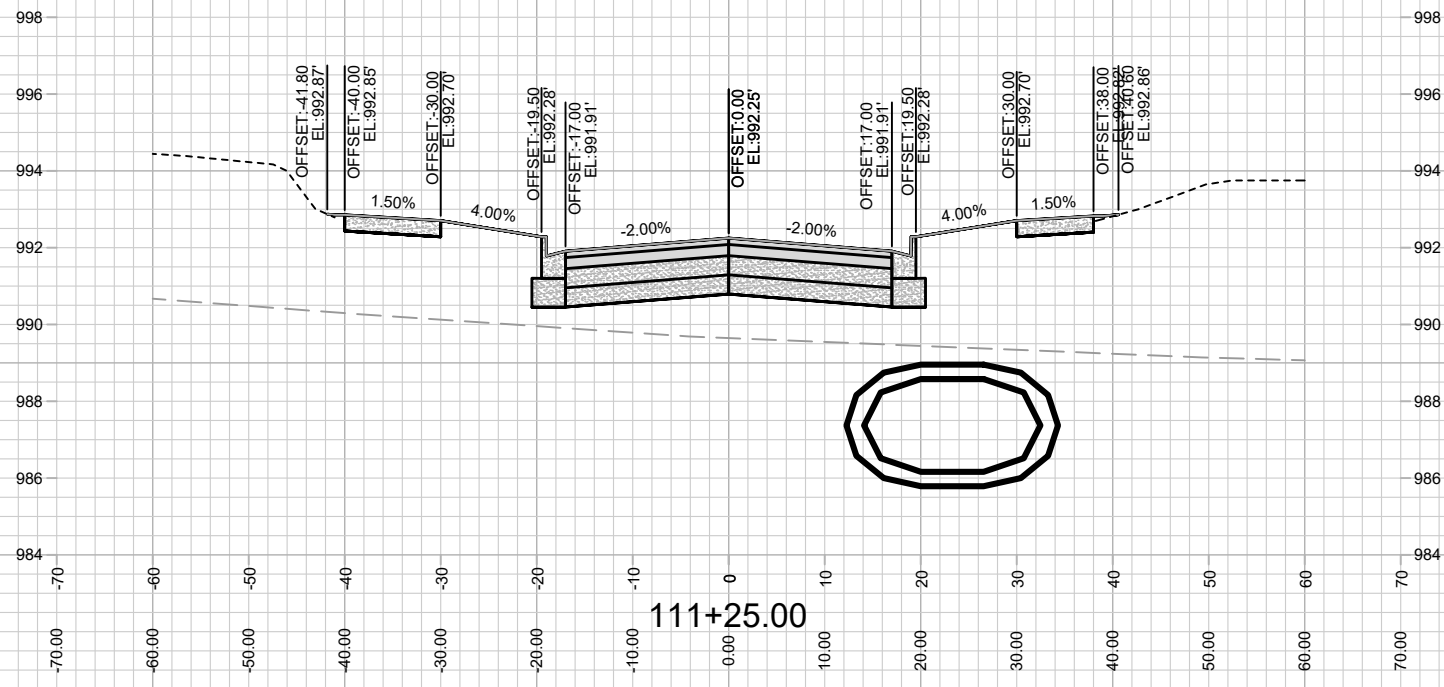
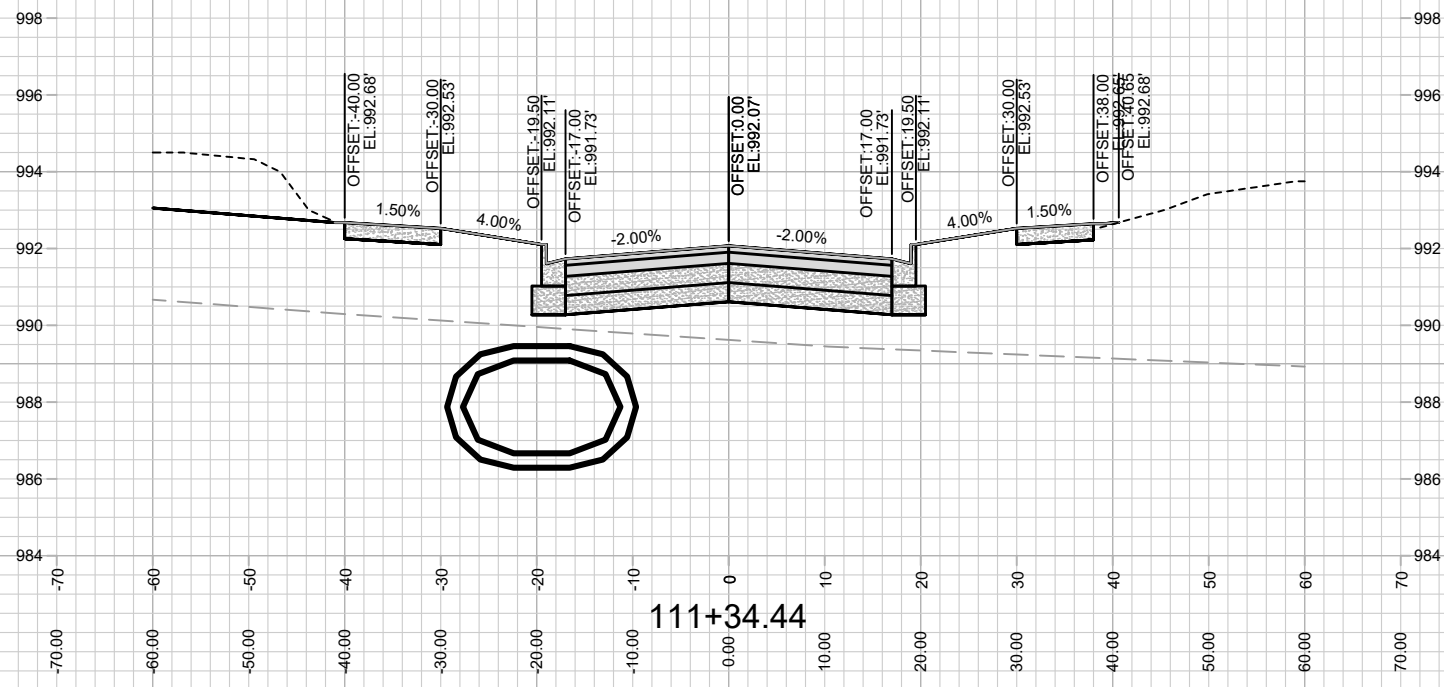
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CROSS SECTIONS-BLISSFUL AVE  
JANNAH VILLAGE PHASE 1  
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12523  
MADISON, WI  
8343

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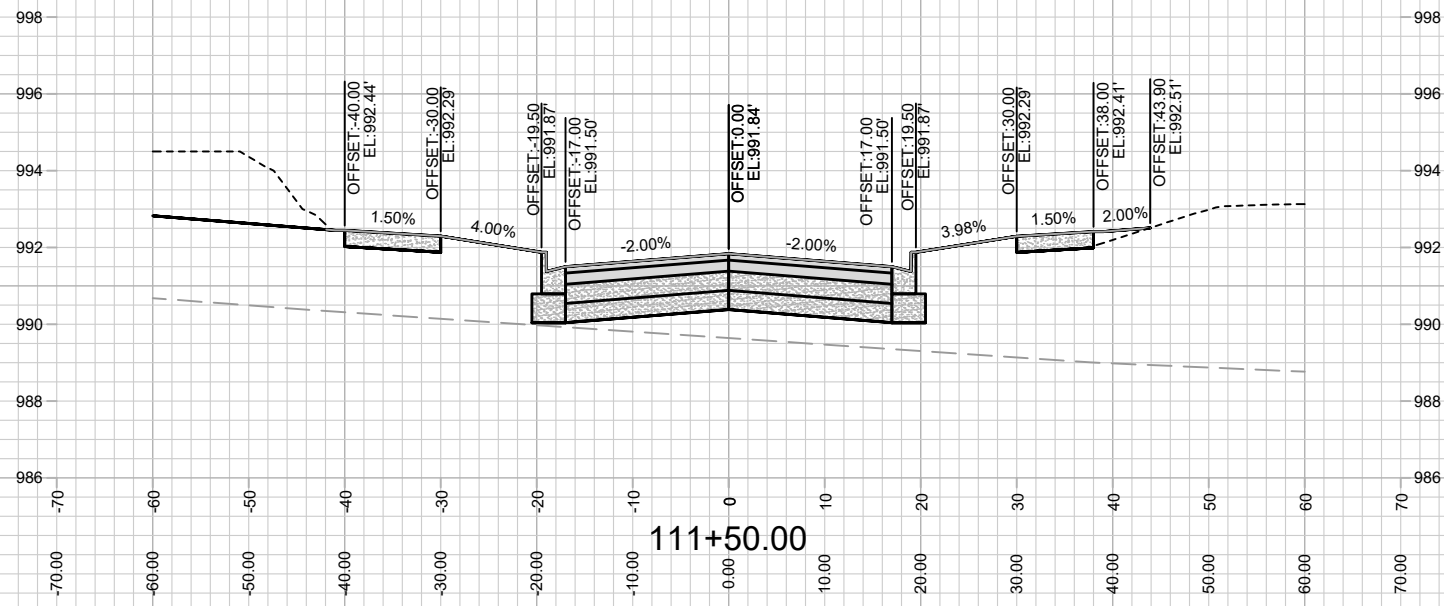
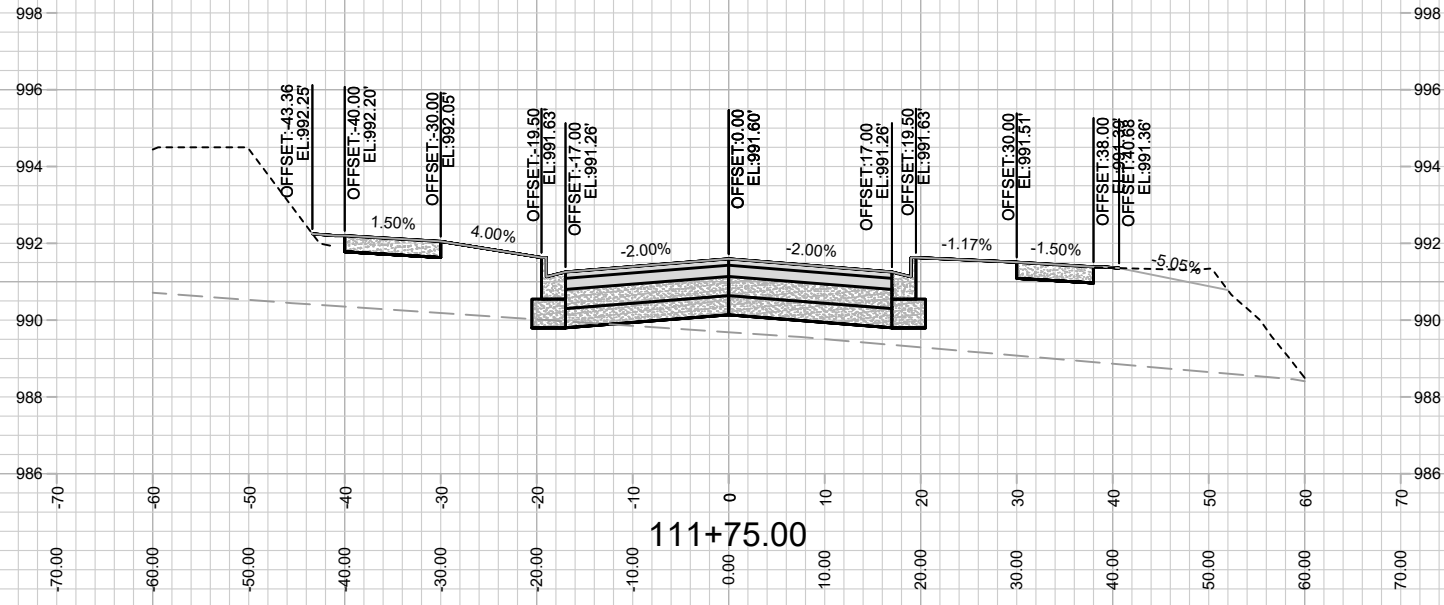
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12523  
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8343  
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CROSSSECTIONS-BLISSFUL AVE  
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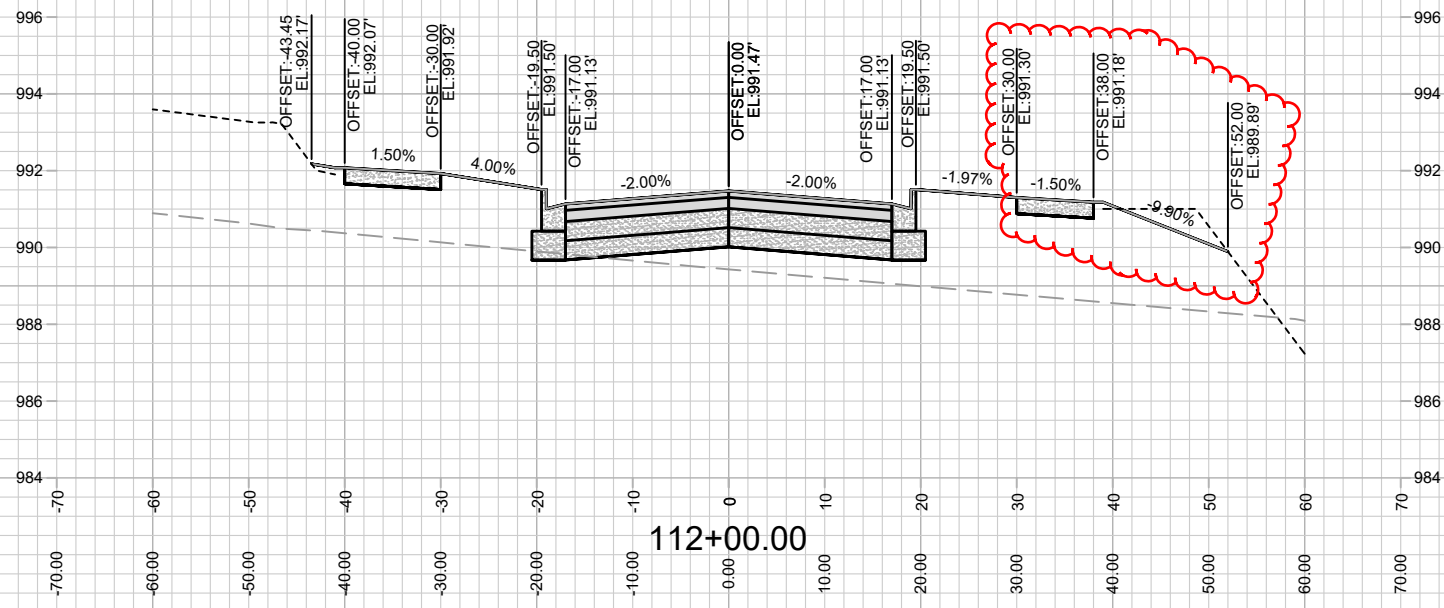
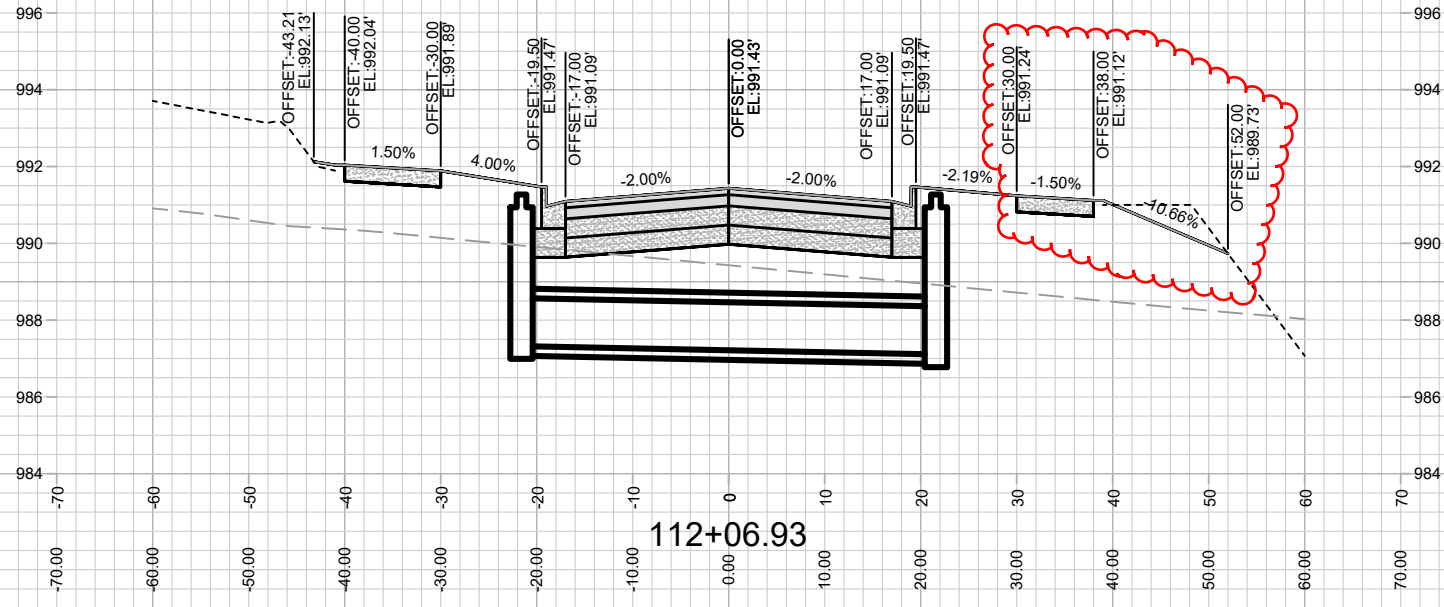
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MADISON, WI  
8343  
CONTRACT NO:

CROSSSECTIONS-BLISSFUL AVE  
JANNAH VILLAGE PHASE 1  
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X-9



12523  
X-10

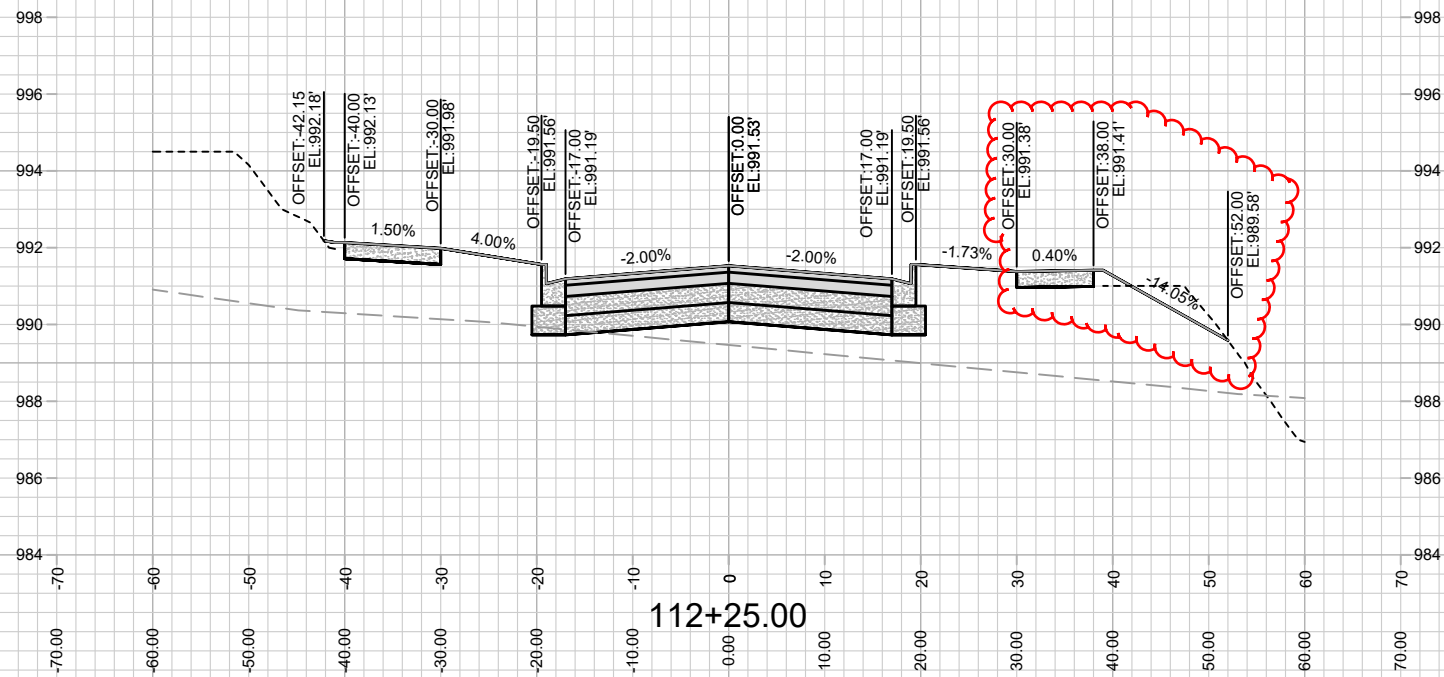
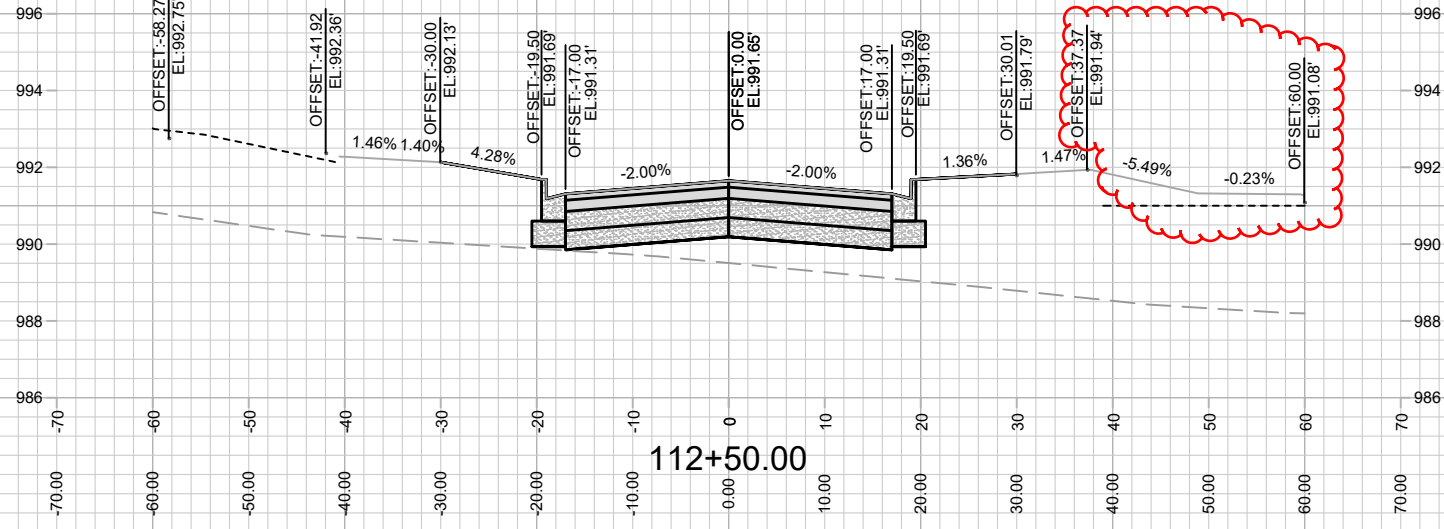
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JANNAH VILLAGE PHASE 1

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MADISON, WI  
8343  
CONTRACT NO:

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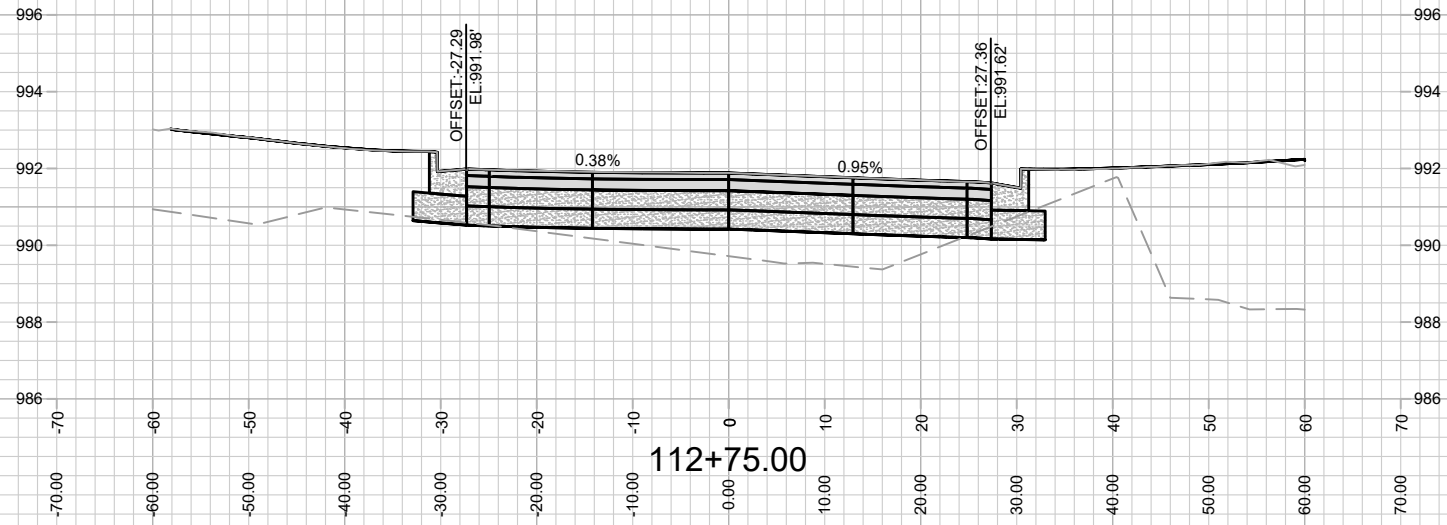
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12523  
 MADISON, WI  
 8343  
 CONTRACT NO:  
 CROSSSECTIONS-BLISSFUL AVE  
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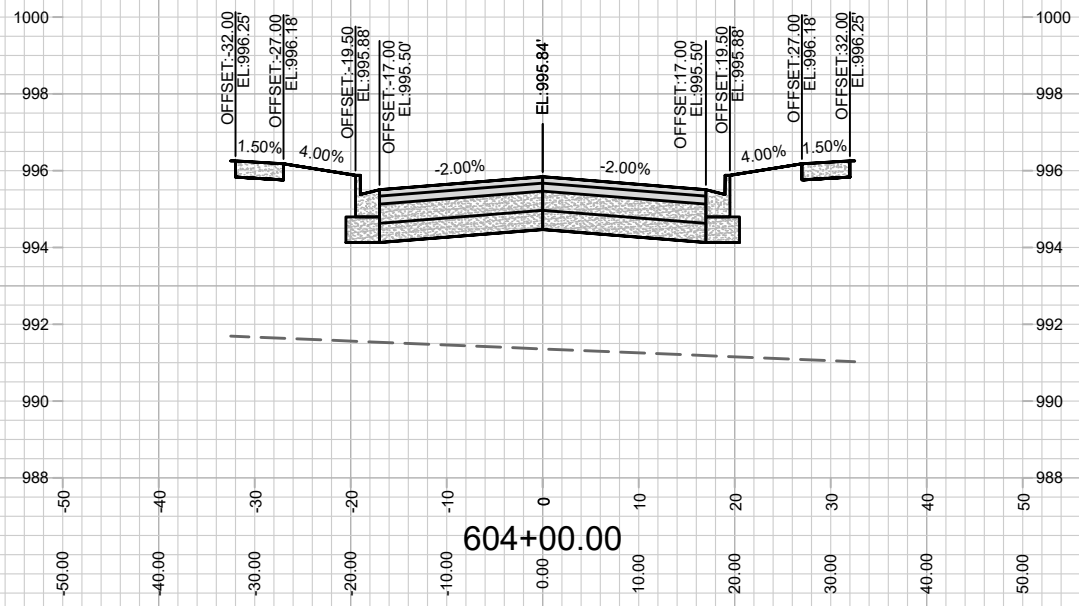
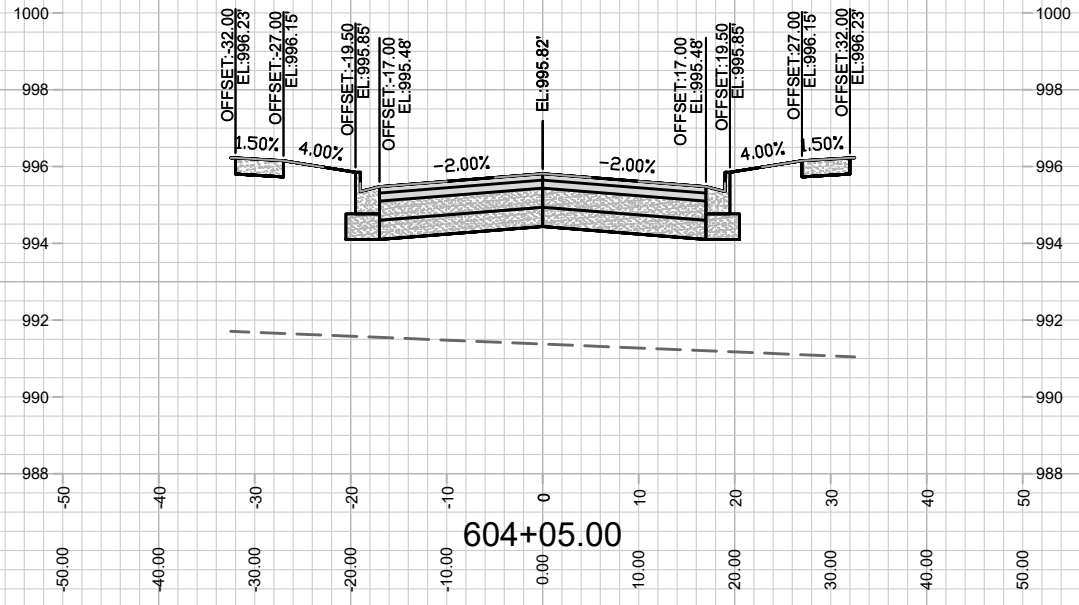
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CROSSECTIONS-BLISSFUL AVE  
JANNAH VILLAGE PHASE 1

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MADISON, WI  
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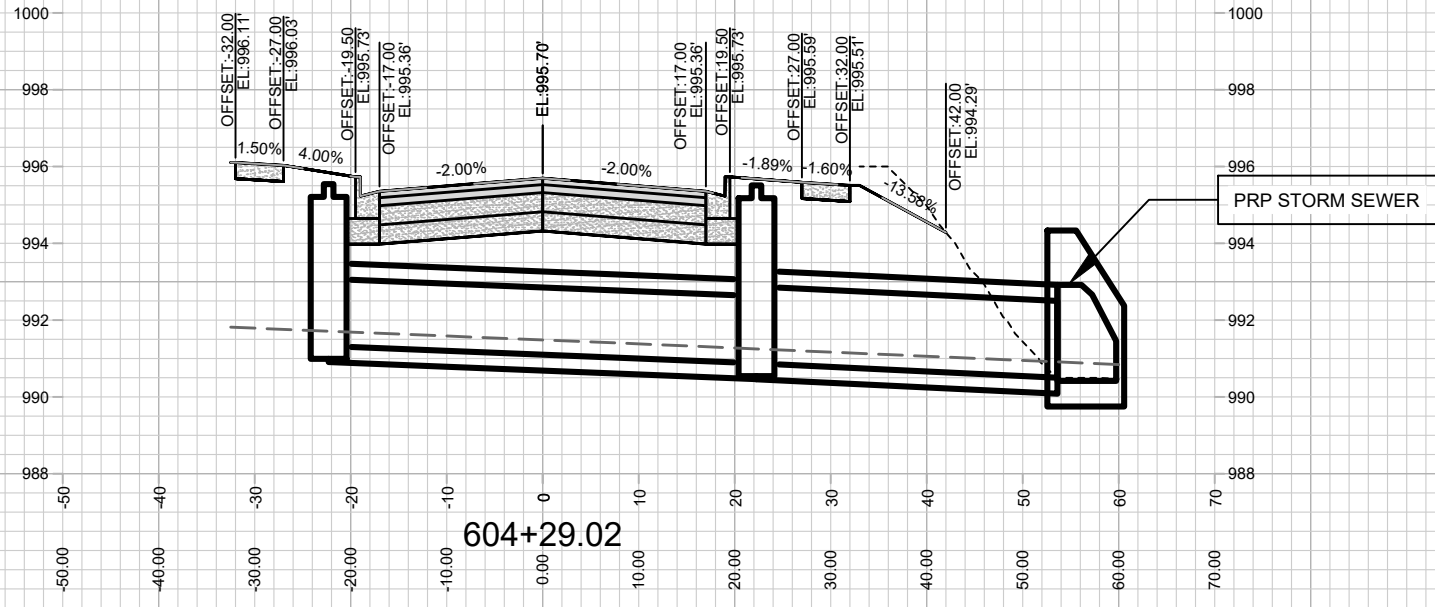
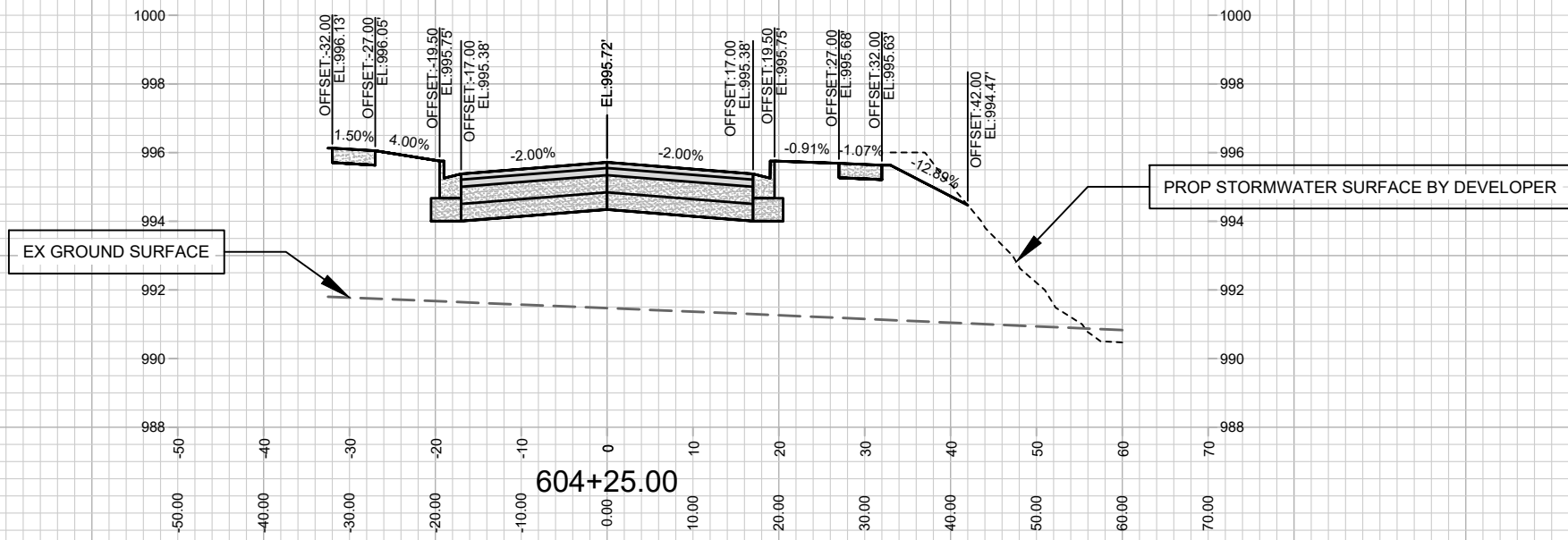
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JANNAH VILLAGE PHASE 1

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MADISON, WI  
8343

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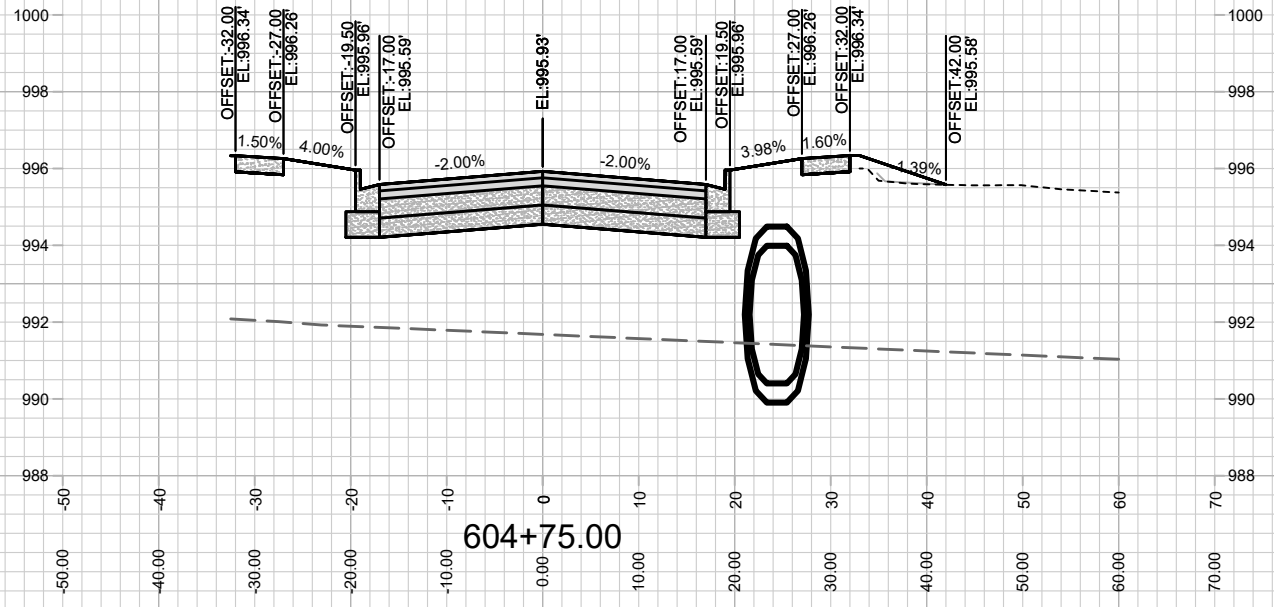
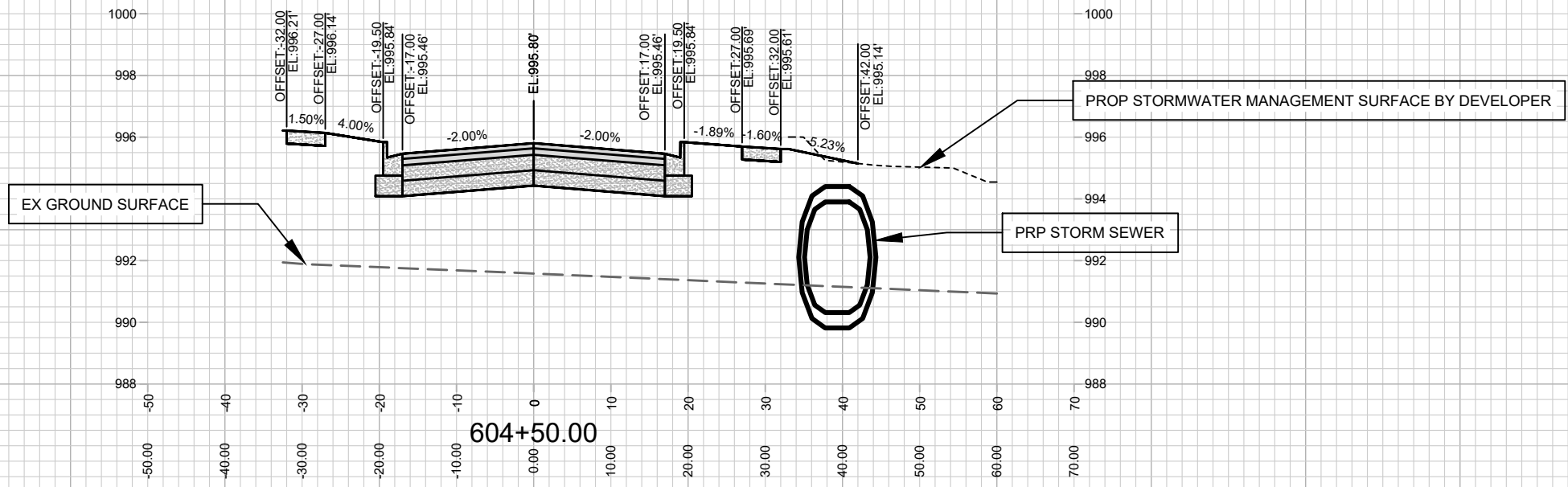
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CROSSECTIONS-CANTER DR  
JANNAH VILLAGE PHASE 1

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MADISON, WI  
8343  
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CROSSECTIONS-CANTER DR  
JANNAH VILLAGE PHASE 1

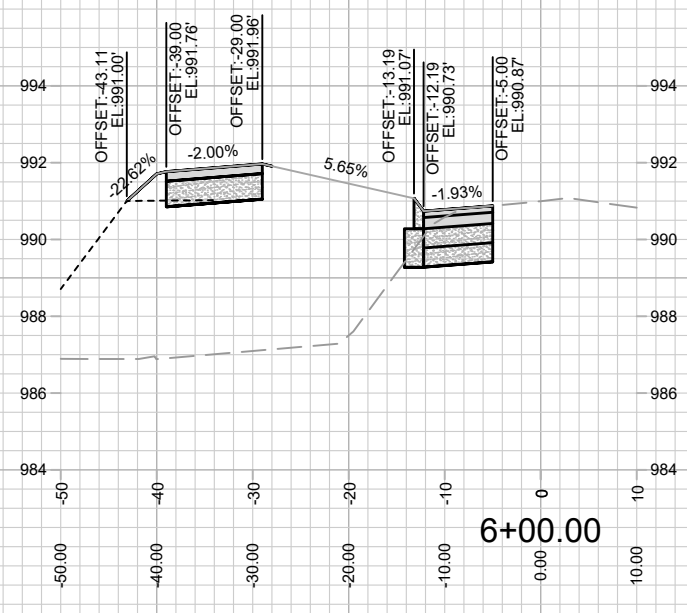
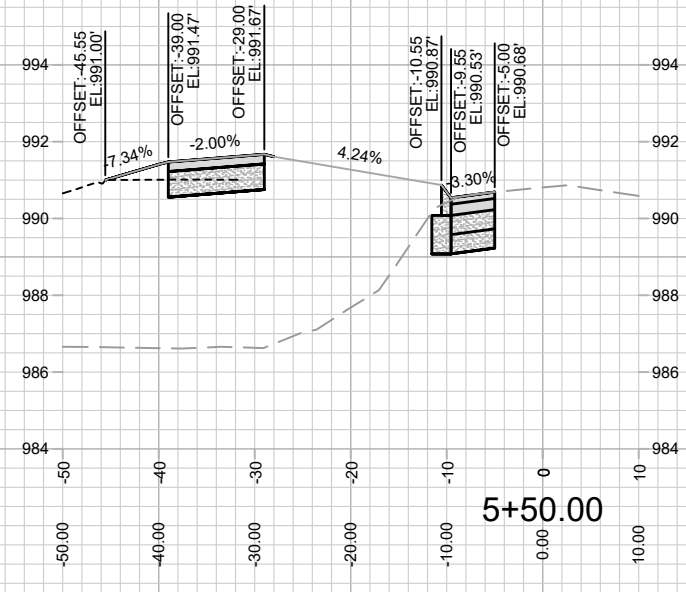
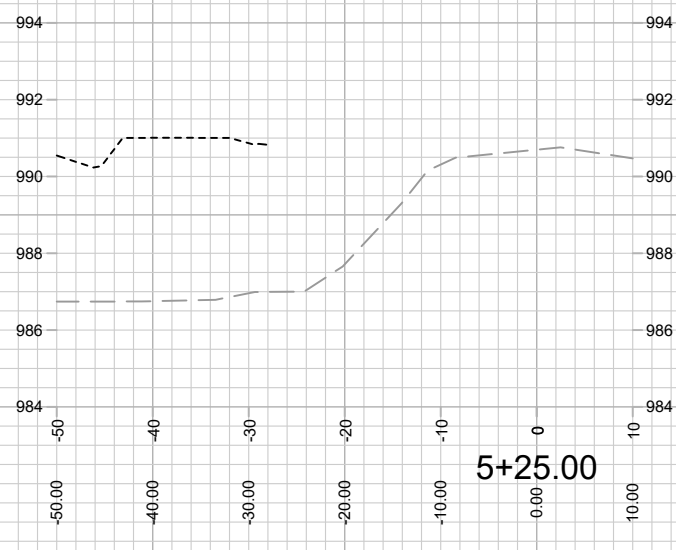
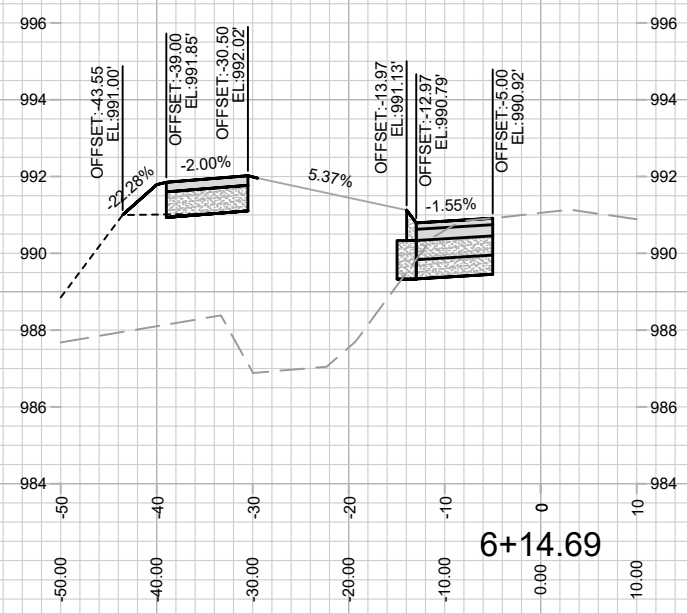
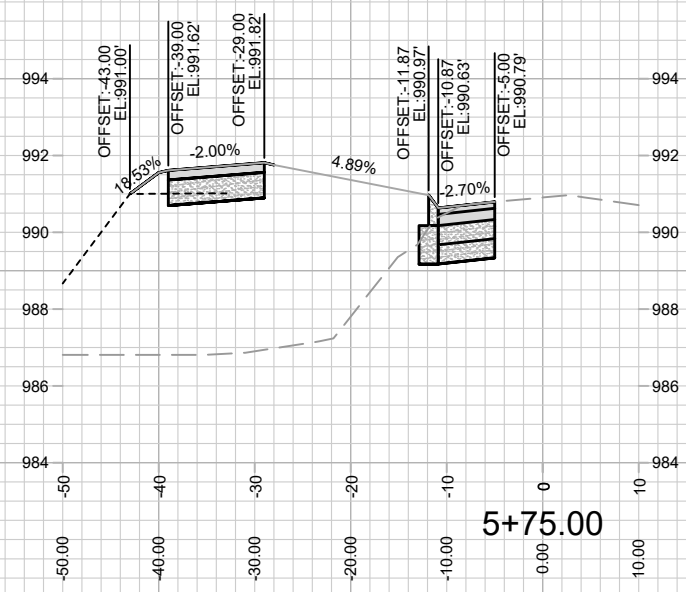
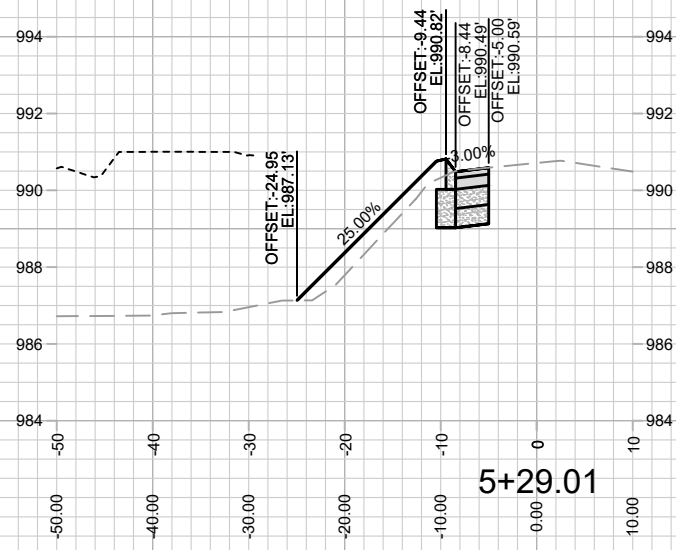
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MADISON, WI

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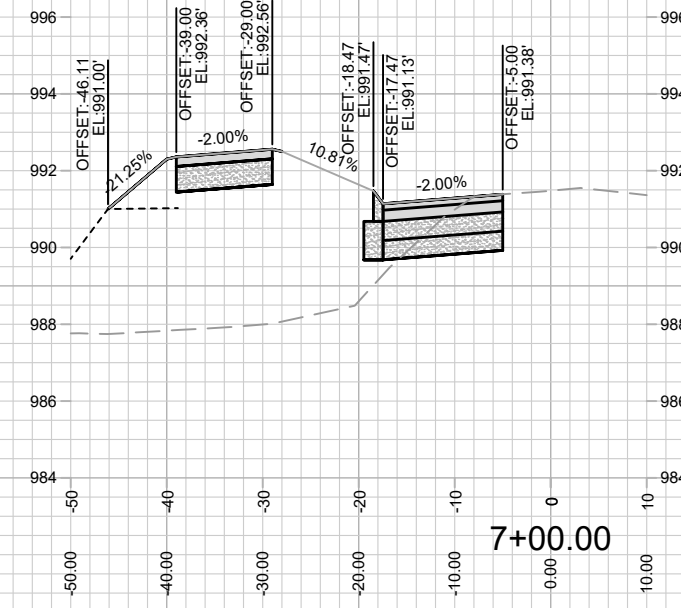
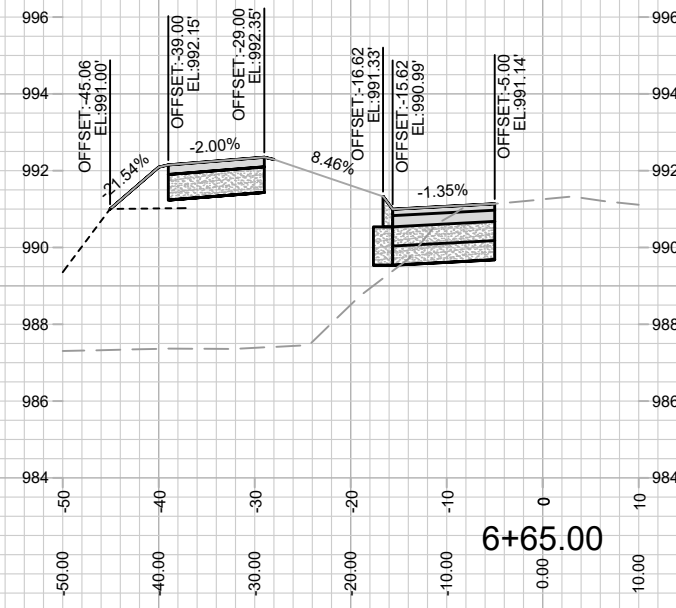
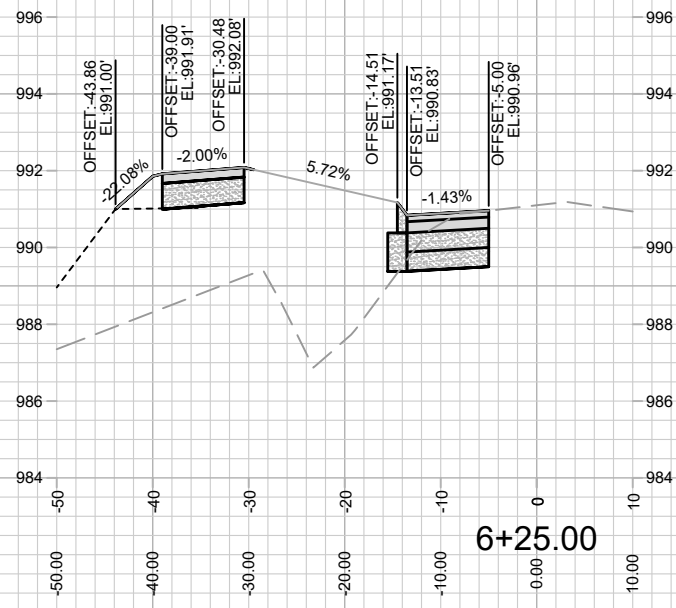
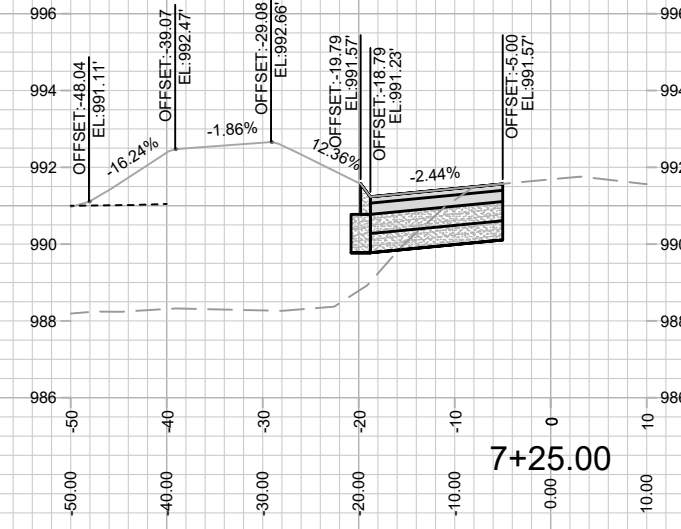
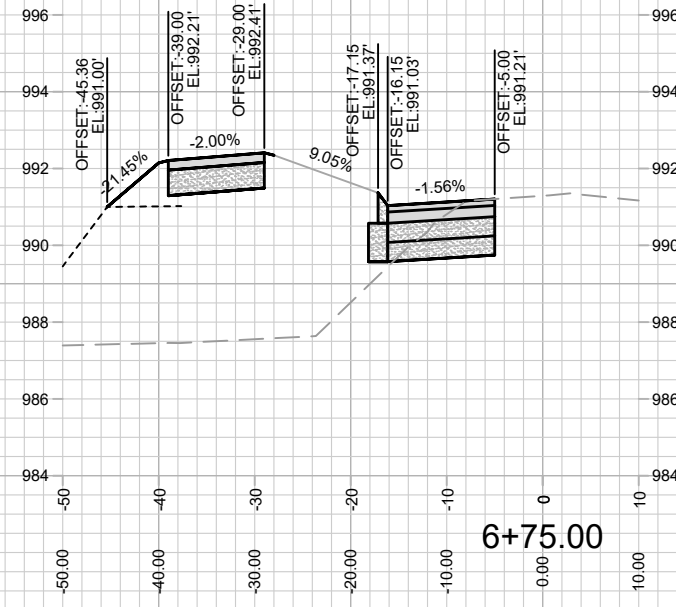
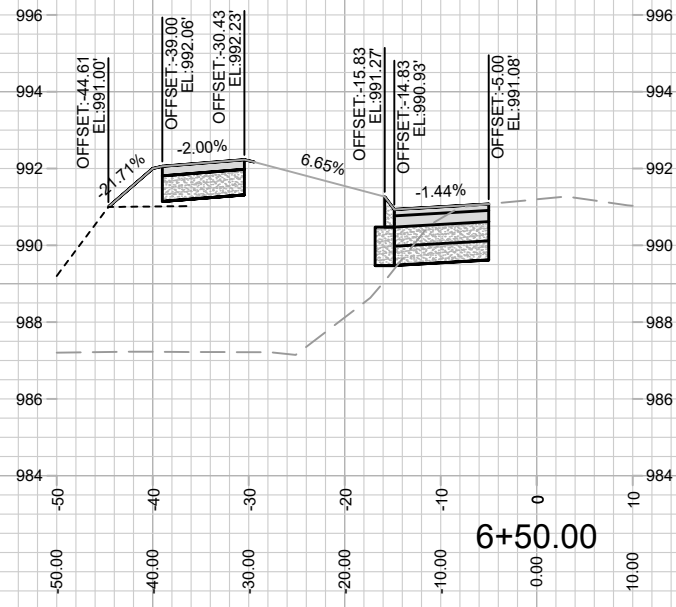
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MADISON, WI  
8343  
CONTRACT NO:

CROSSSECTIONS-FELLAND RD  
JANNAH VILLAGE PHASE 1  
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X-16



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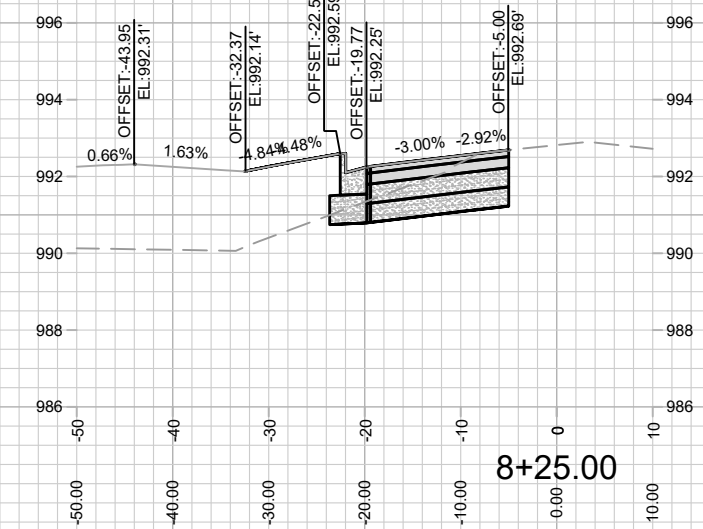
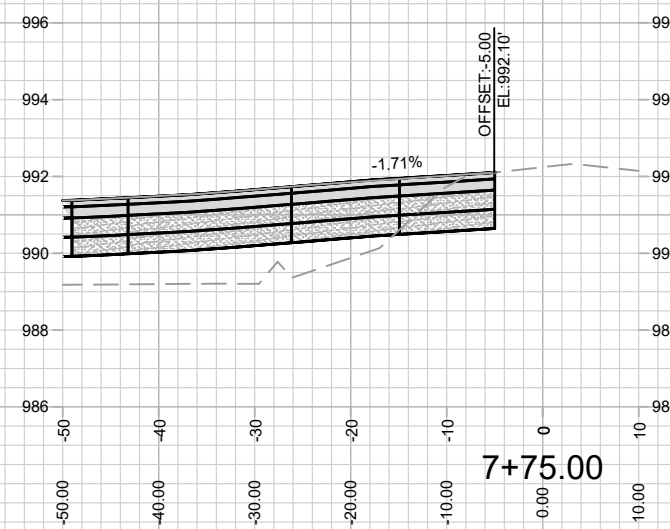
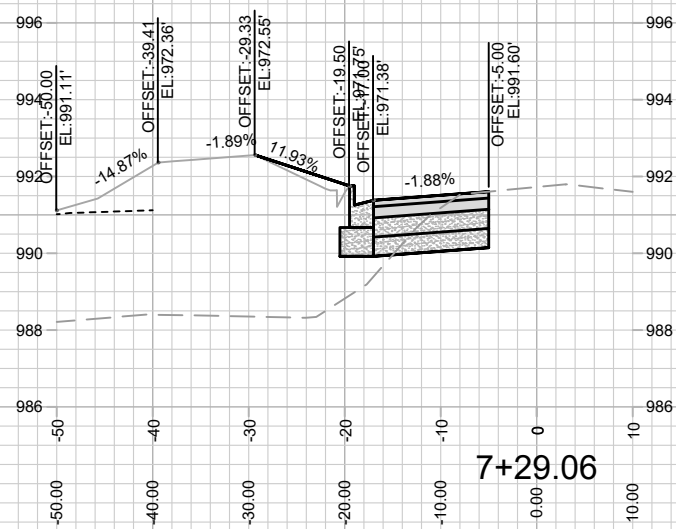
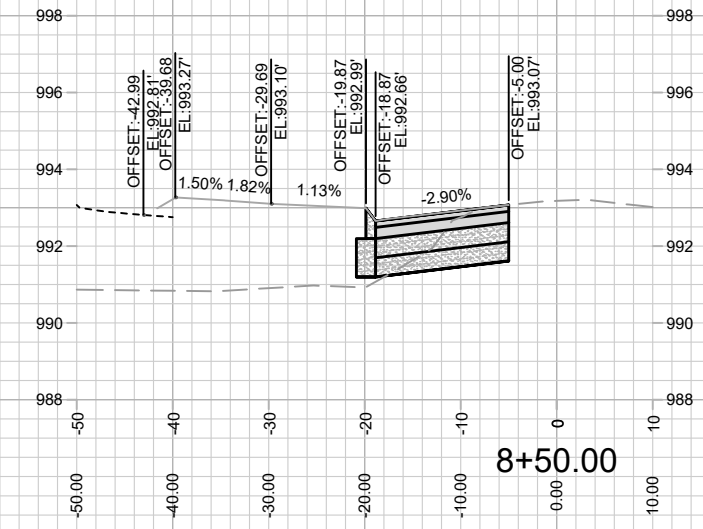
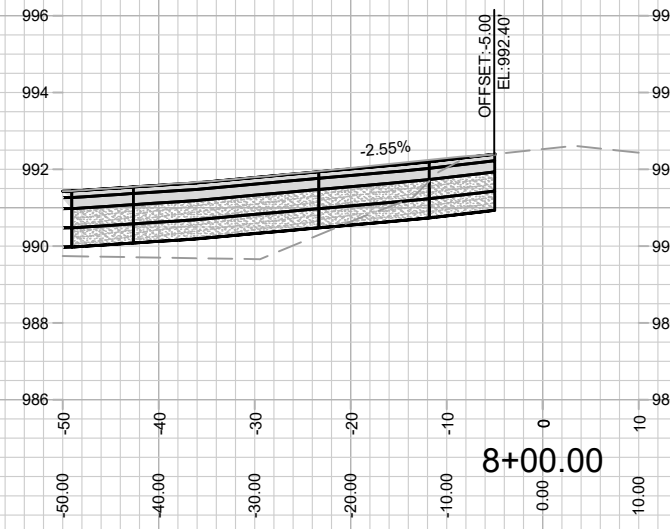
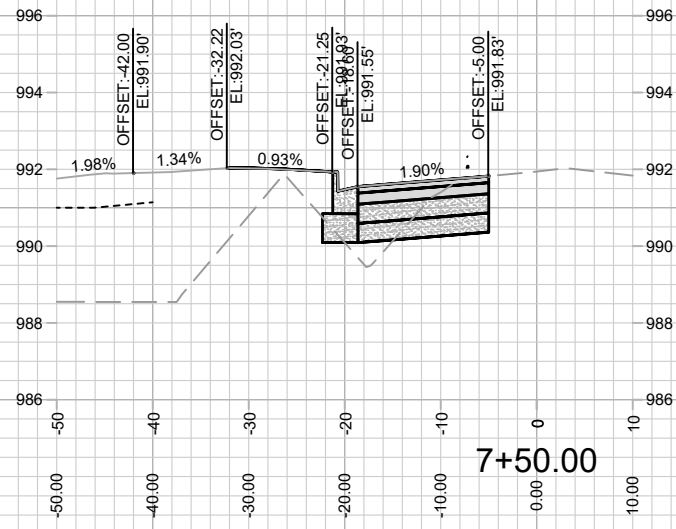
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MADISON, WI  
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CONTRACT NO:

CROSSSECTIONS-FELLAND RD  
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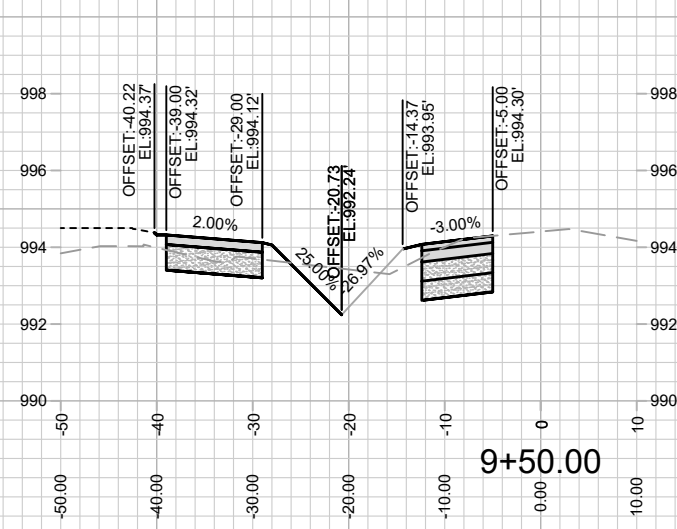
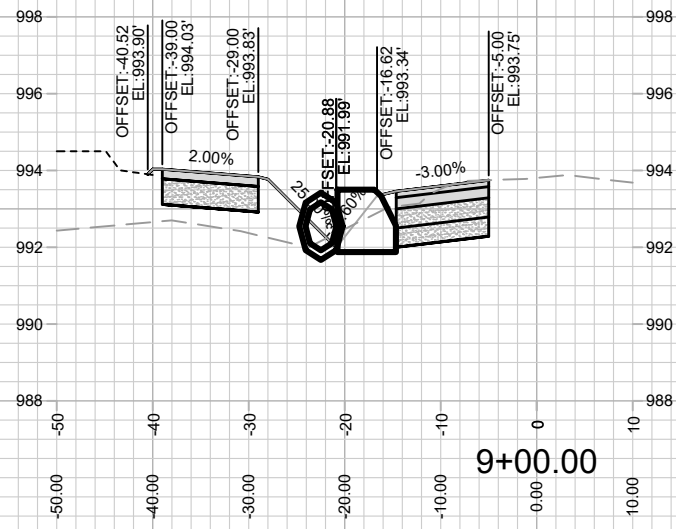
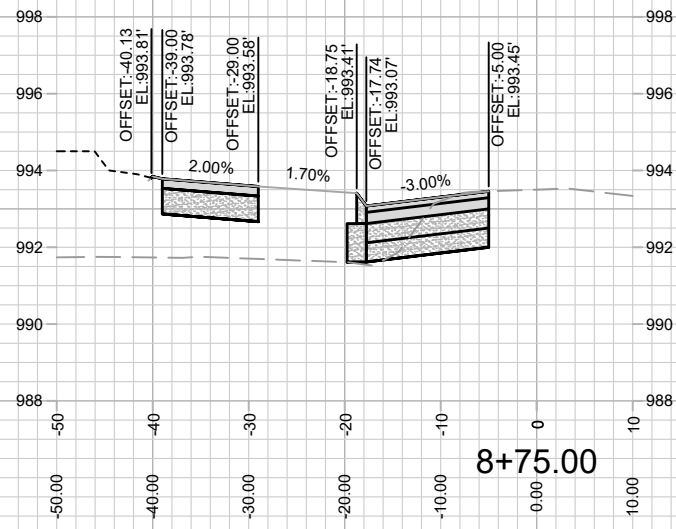
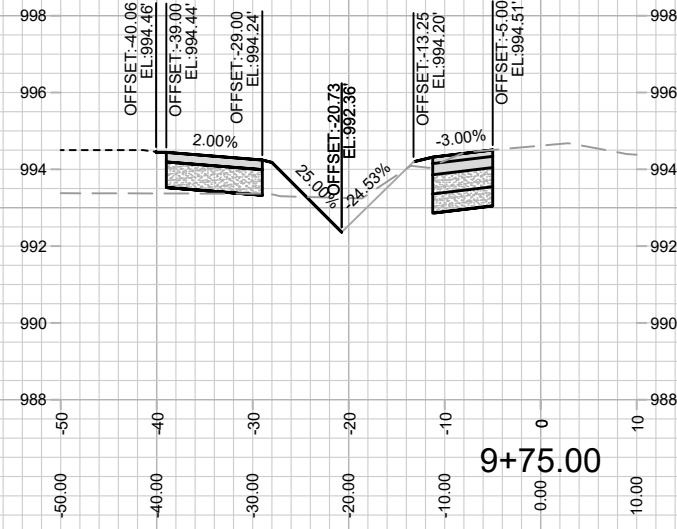
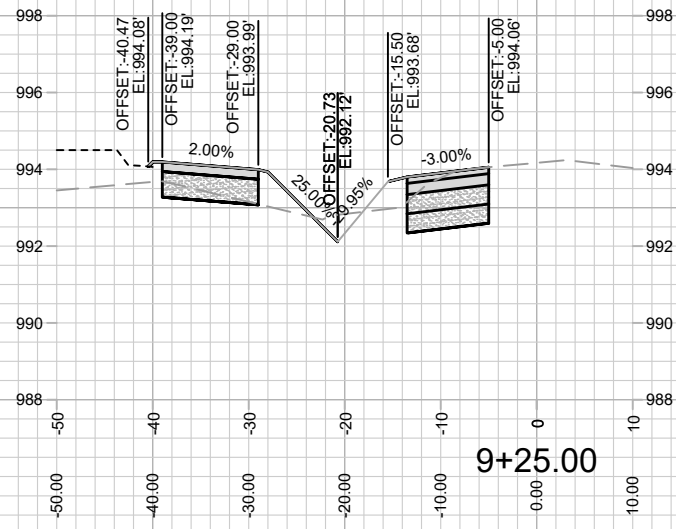
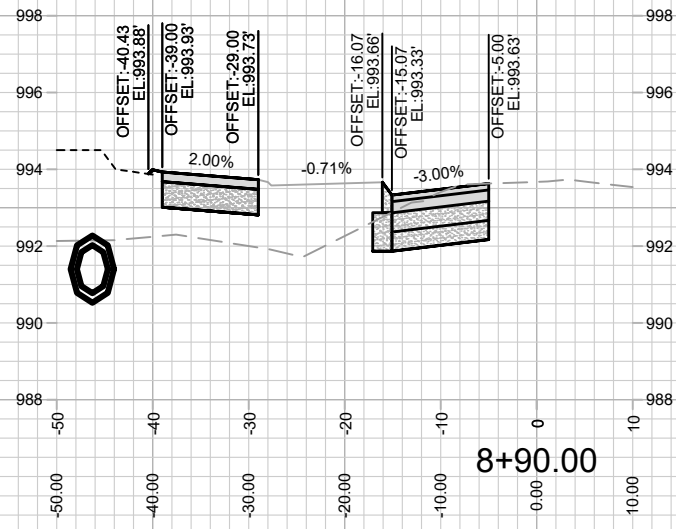


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12523  
MADISON, WI  
8343  
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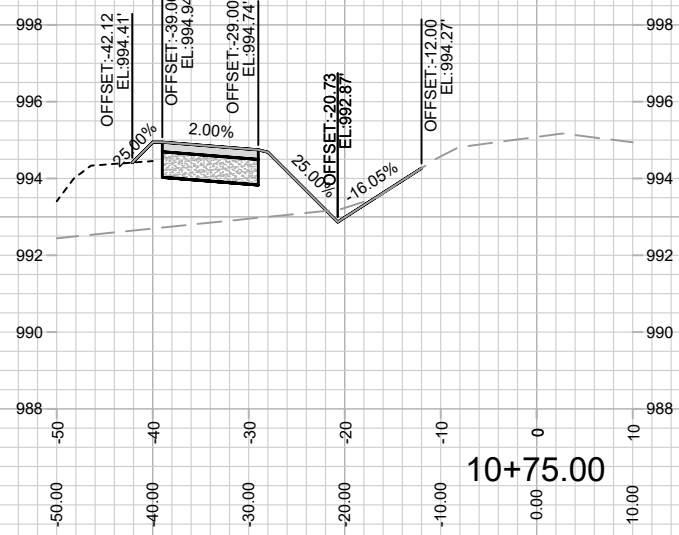
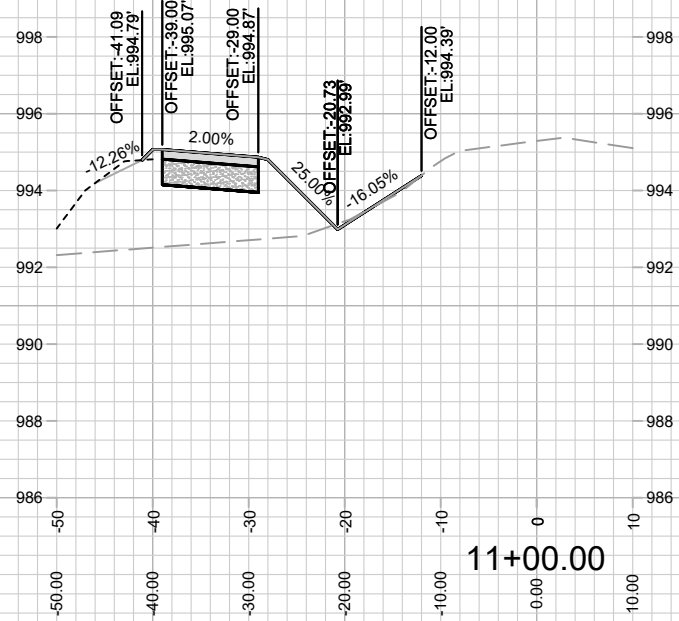
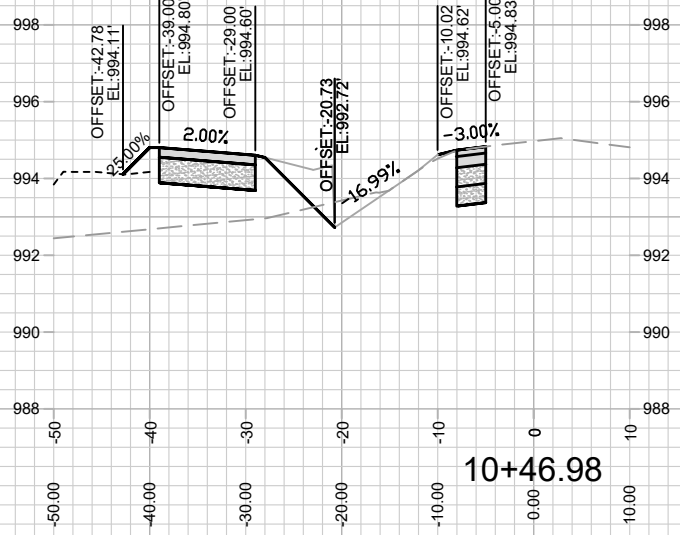
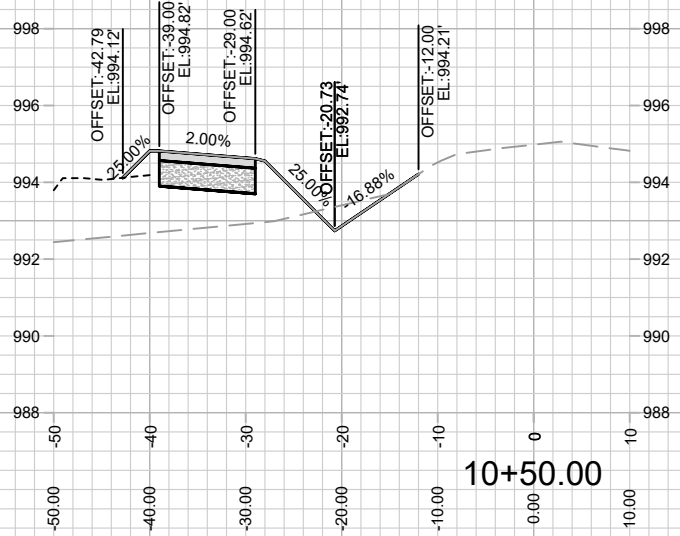
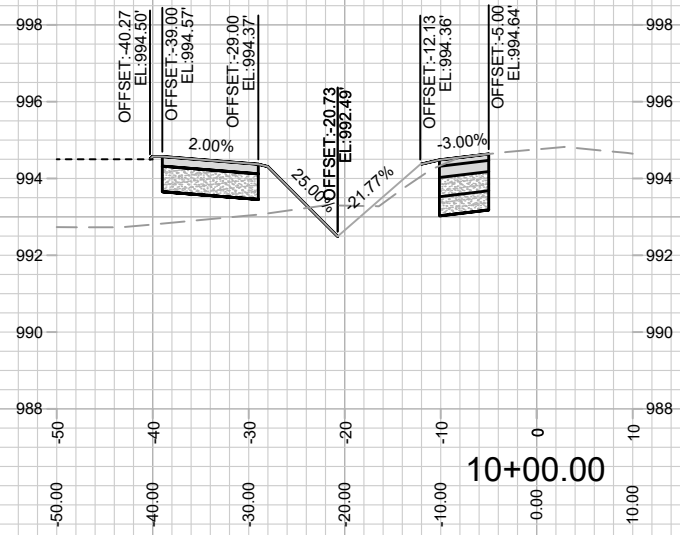
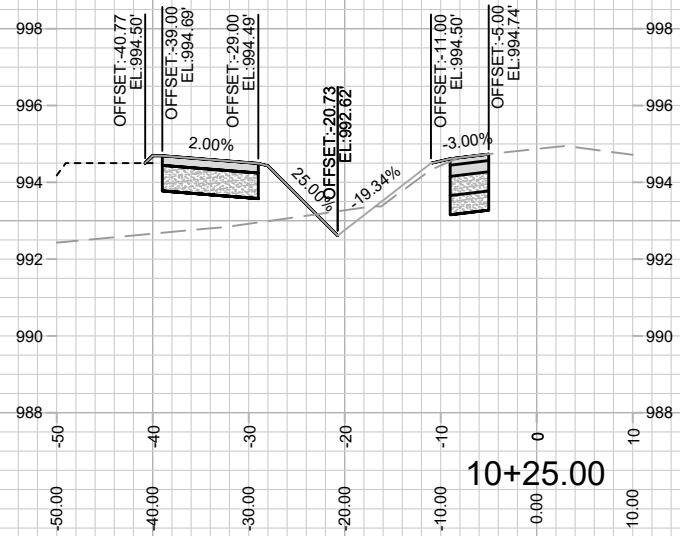
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MADISON, WI  
8343  
CONTRACT NO:

CROSSSECTIONS-FELLAND RD  
JANNAH VILLAGE PHASE 1  
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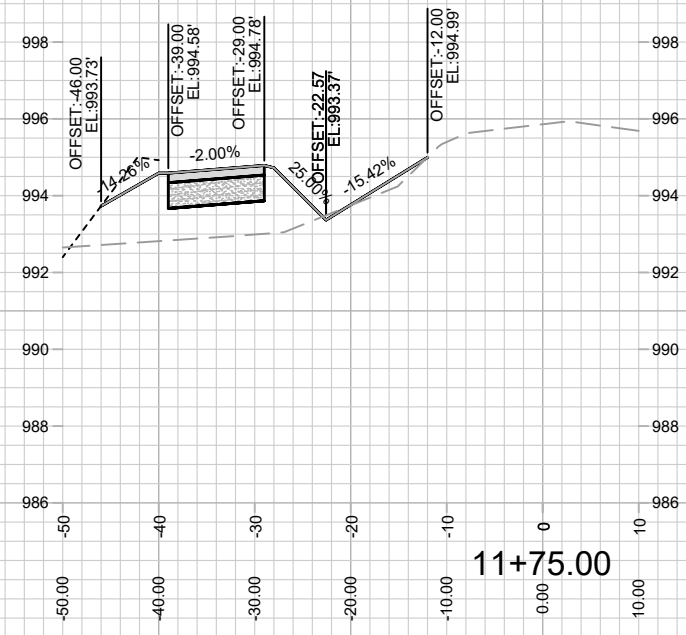
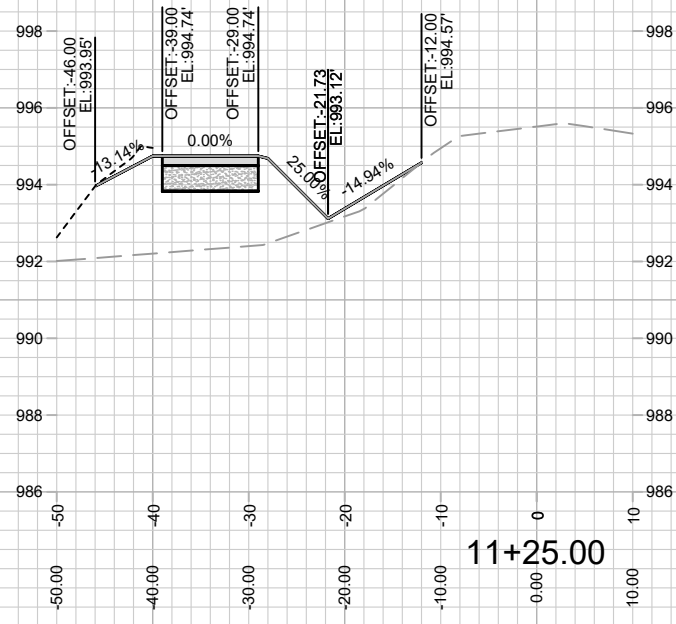
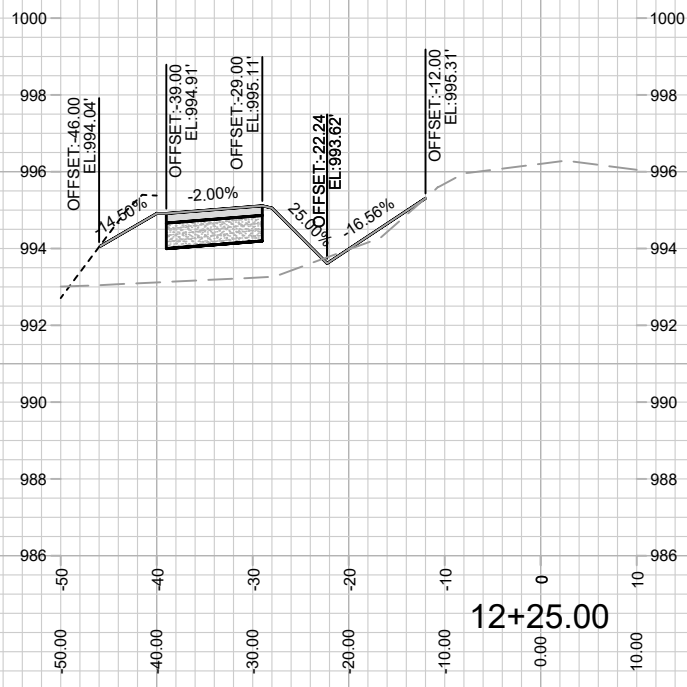
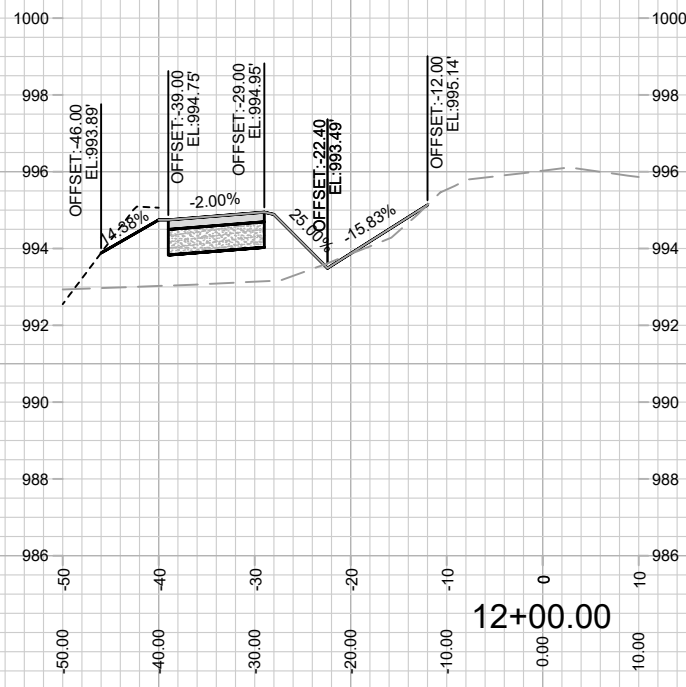
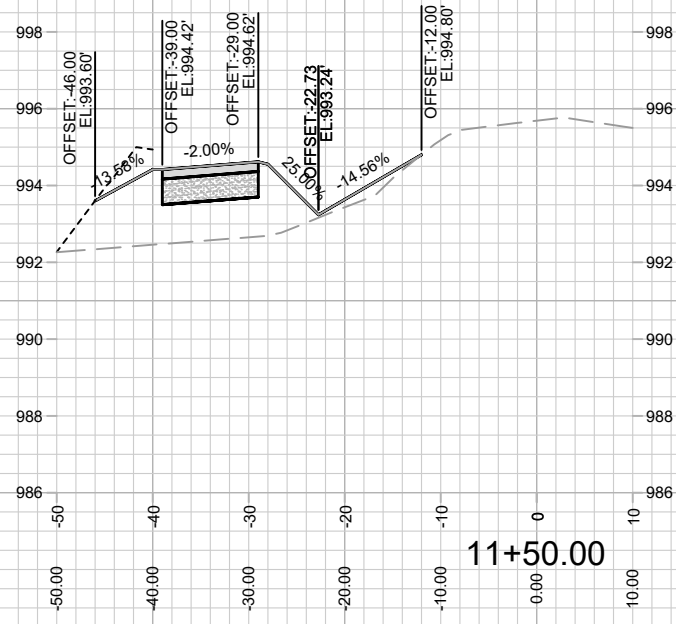
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MADISON, WI  
8343  
CONTRACT NO:

CROSSSECTIONS-FELLAND RD  
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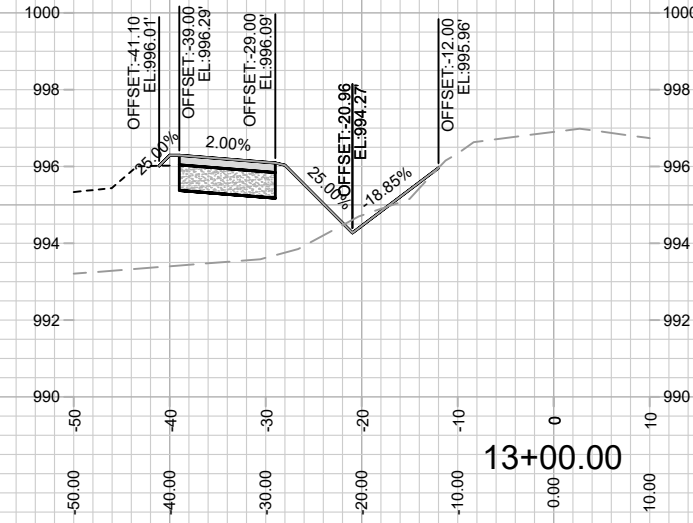
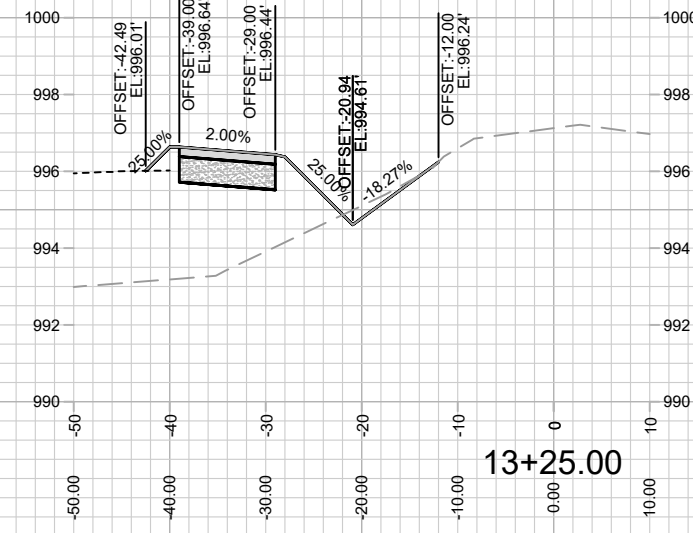
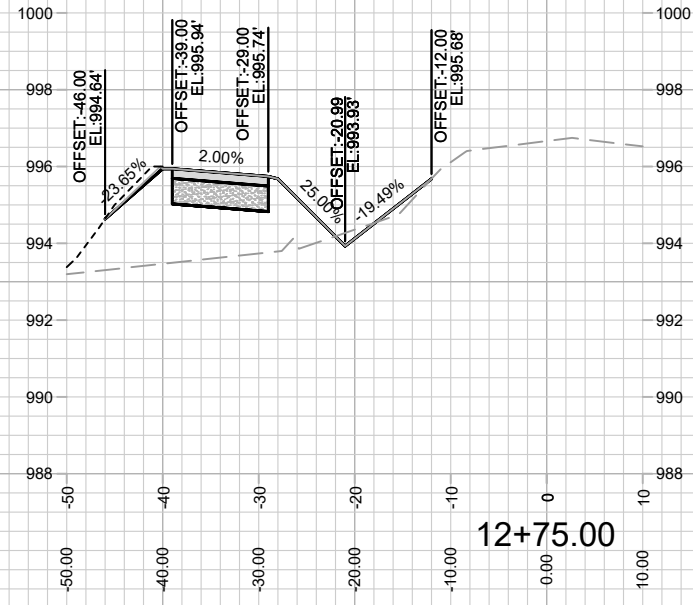
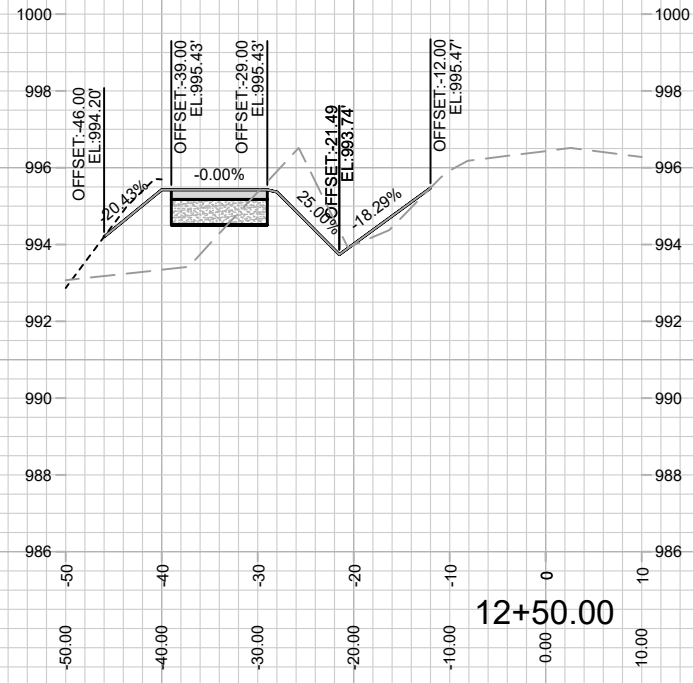
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MADISON, WI  
8343  
CONTRACT NO:

CROSSSECTIONS-FELLAND RD  
JANNAH VILLAGE PHASE 1  
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12523  
X-22

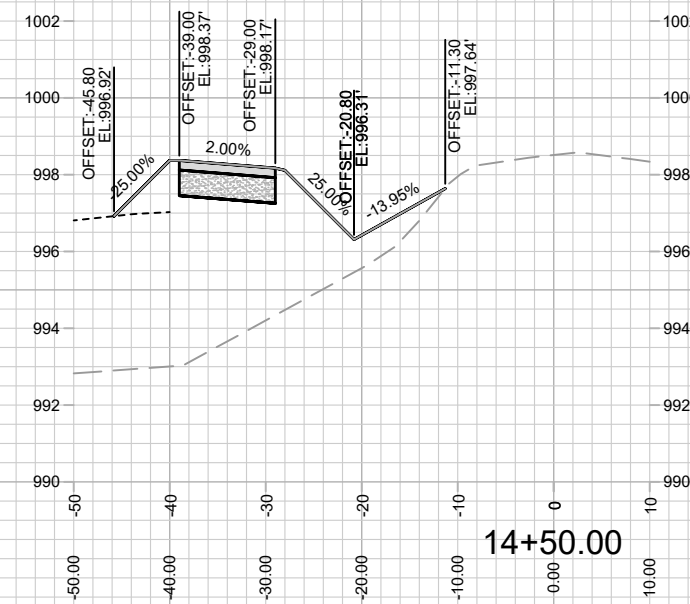
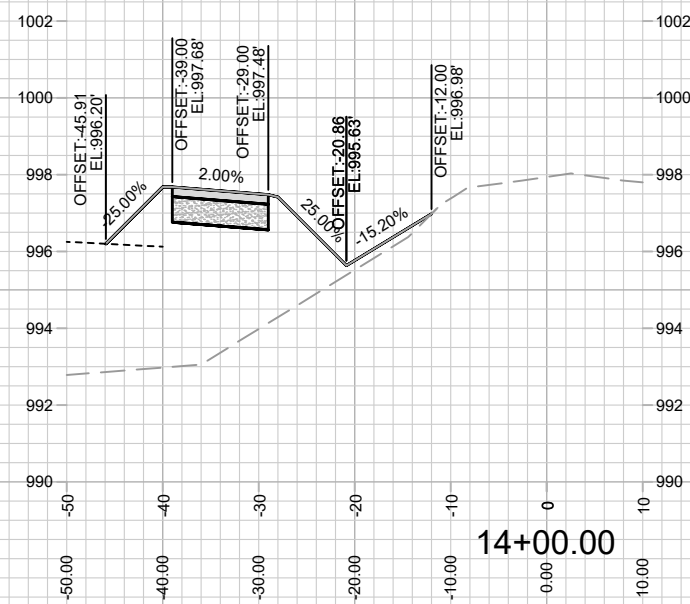
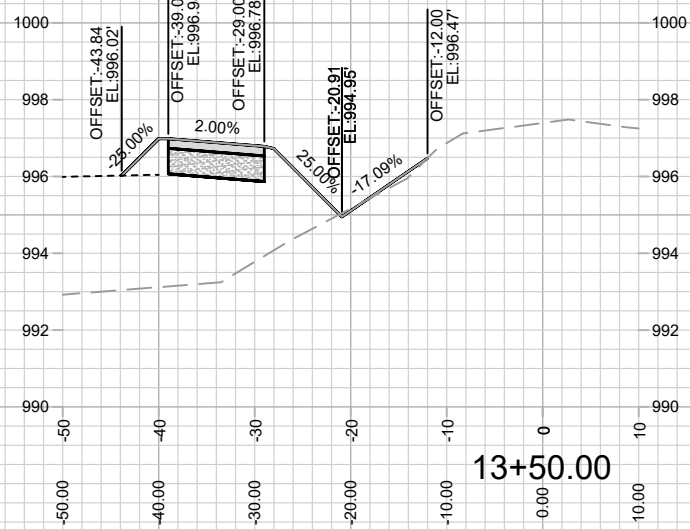
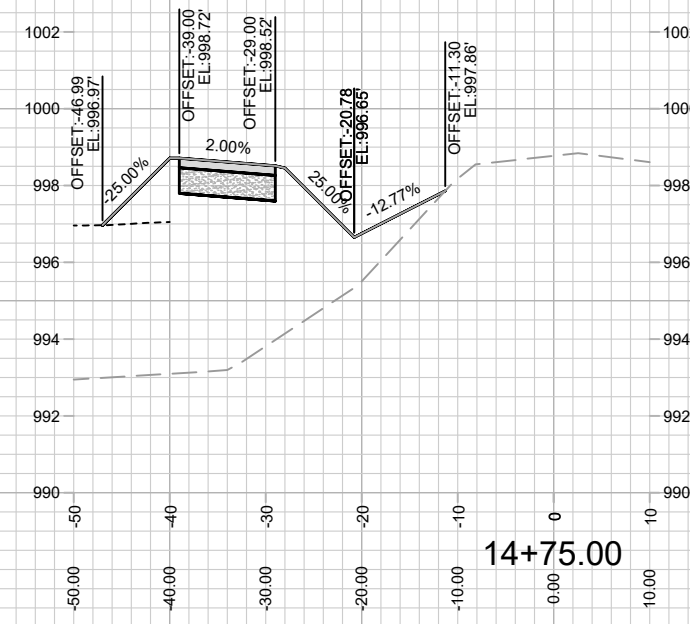
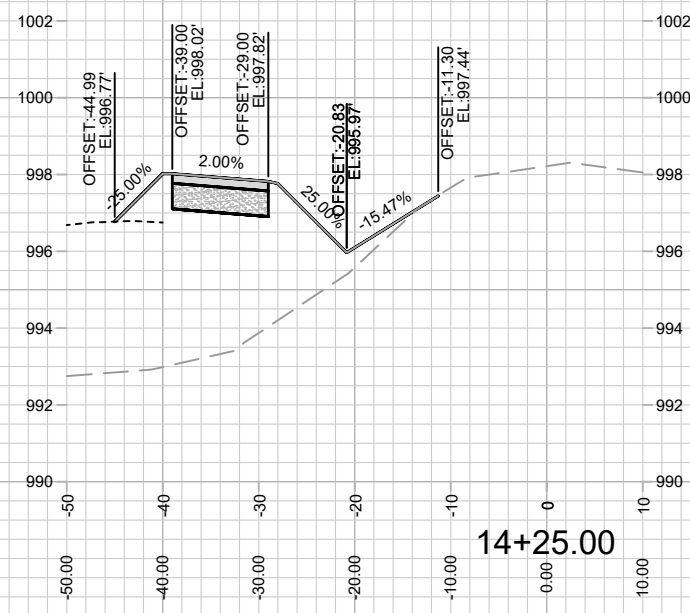
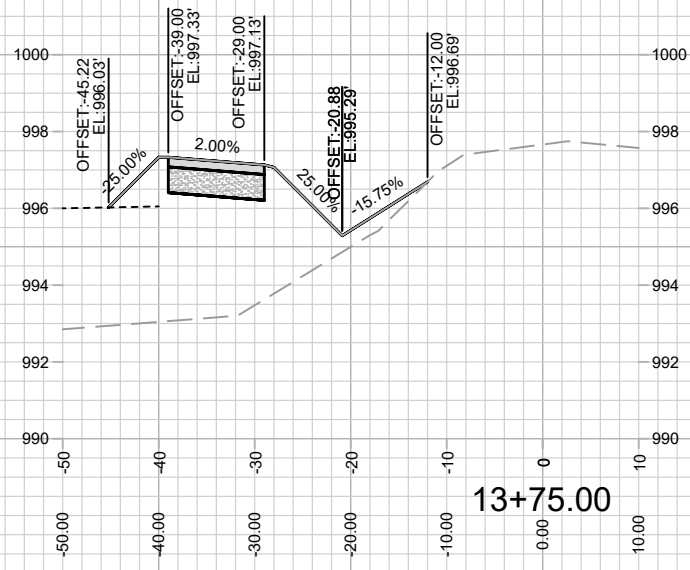
CROSSSECTIONS-FELLAND RD  
JANNAH VILLAGE PHASE 1

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MADISON, WI  
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CONTRACT NO:

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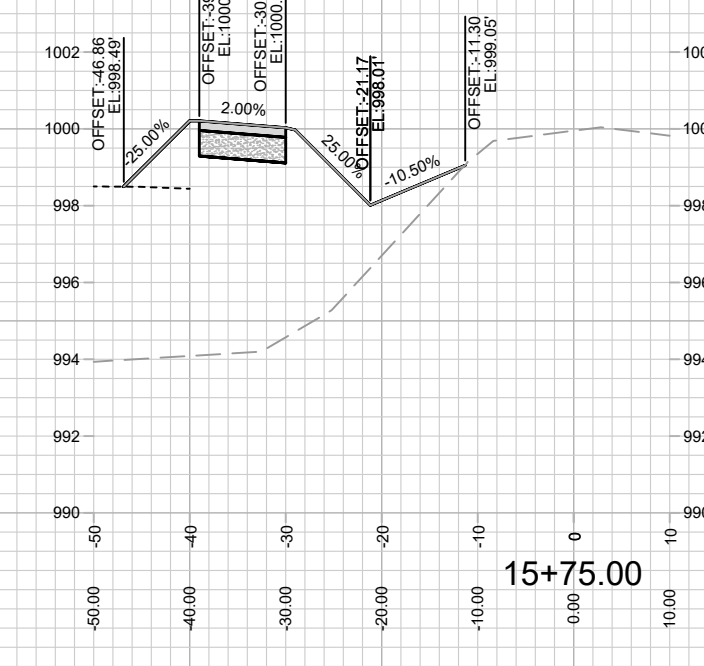
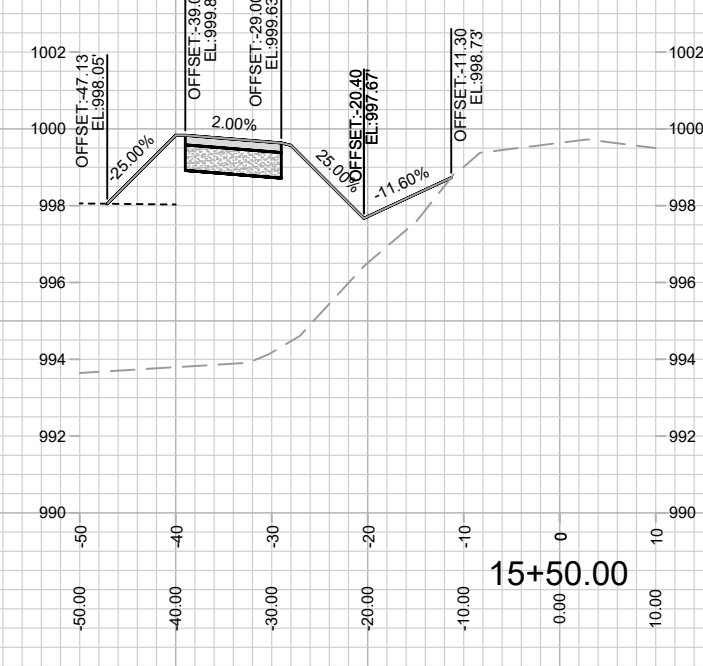
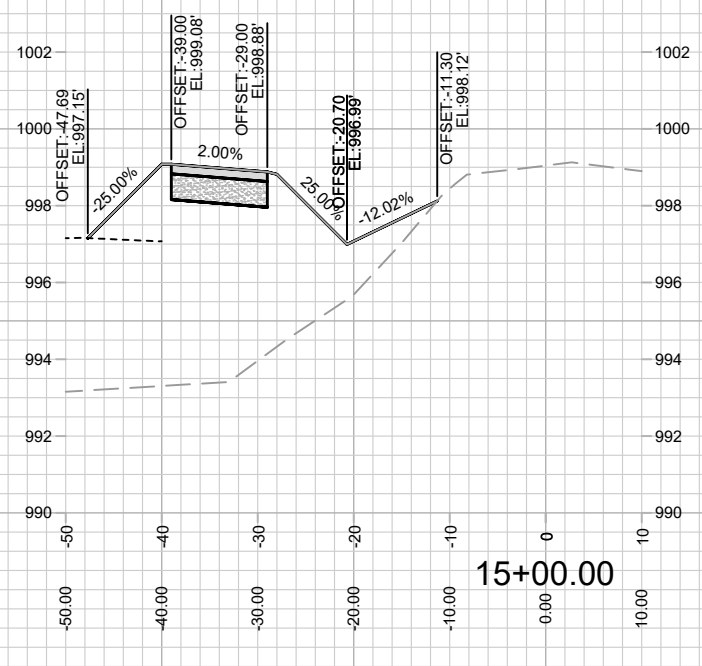
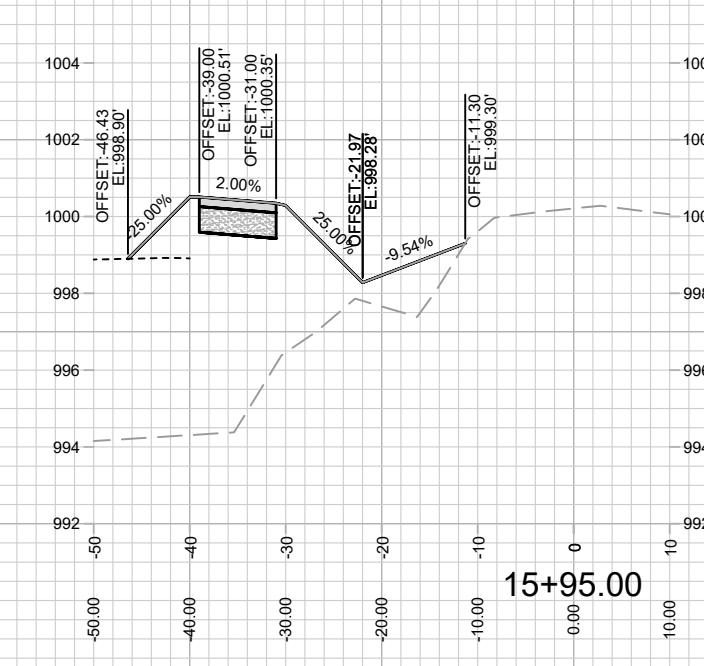
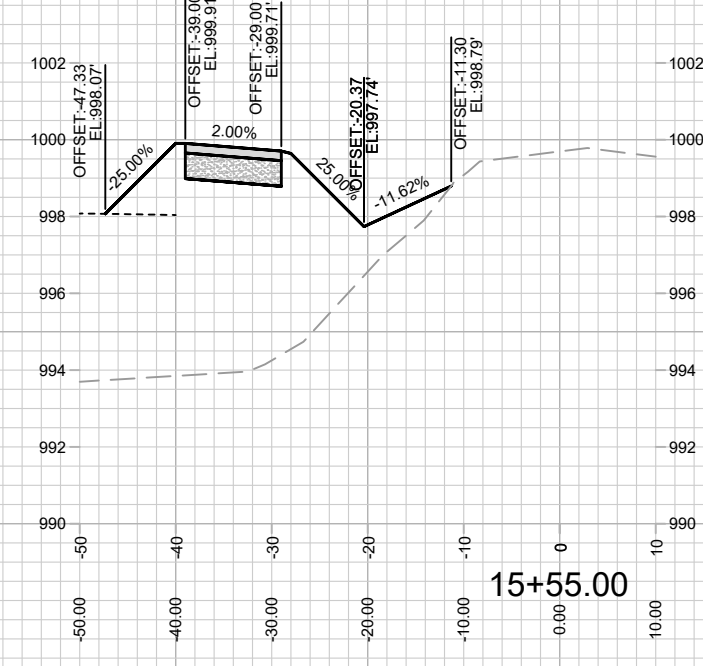
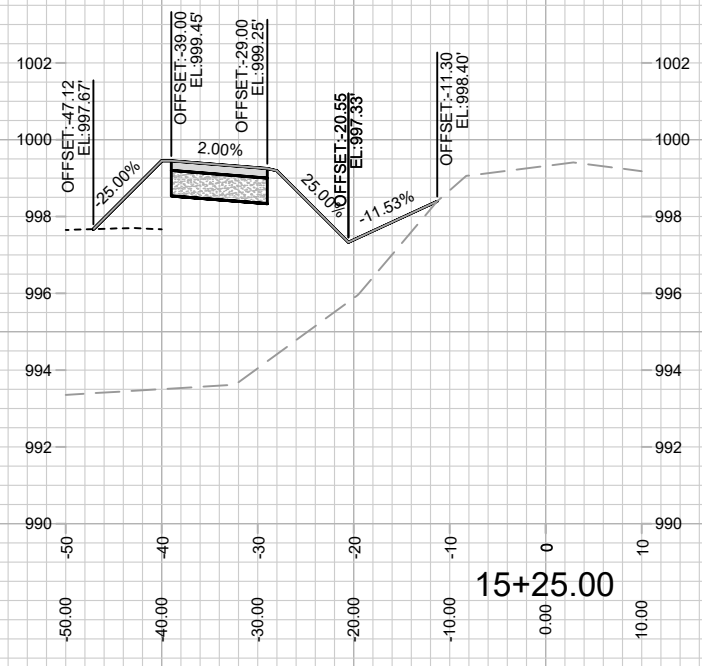
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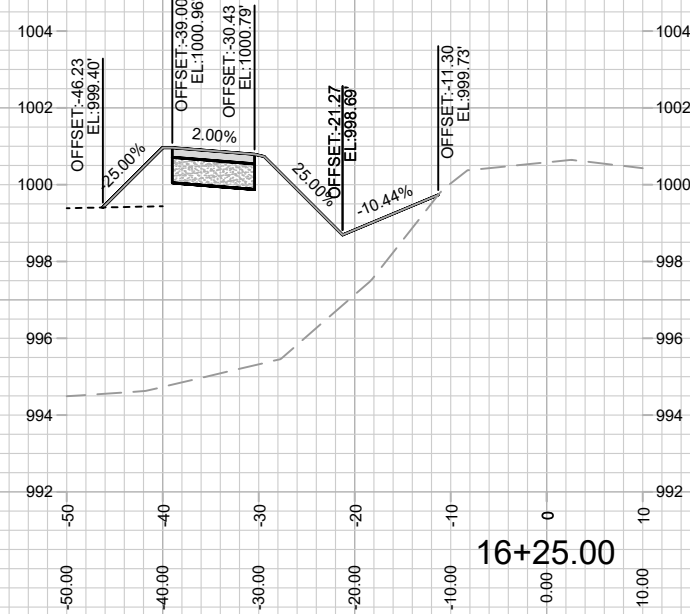
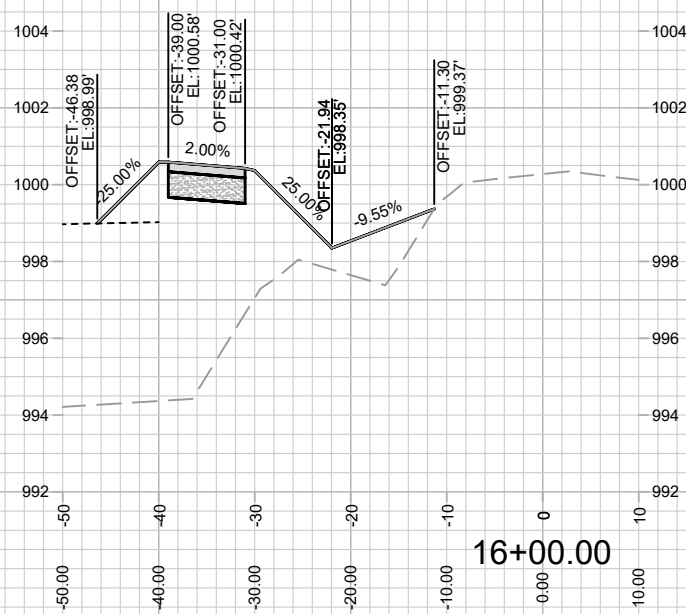
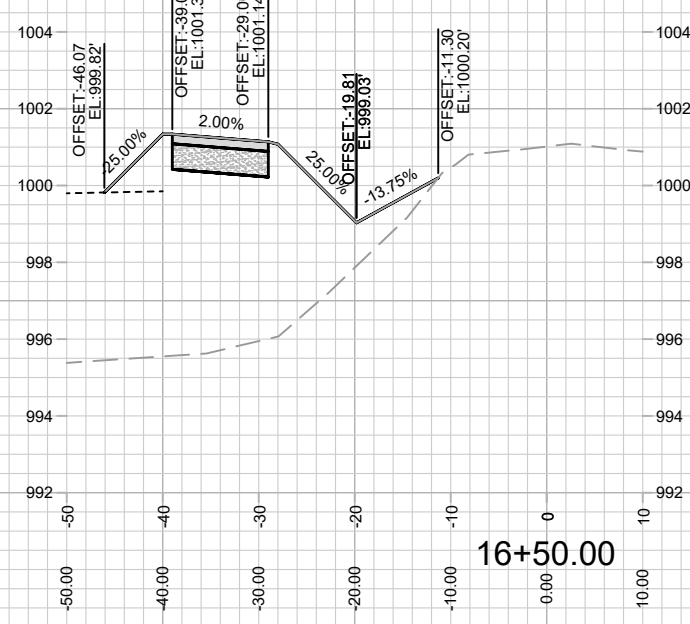
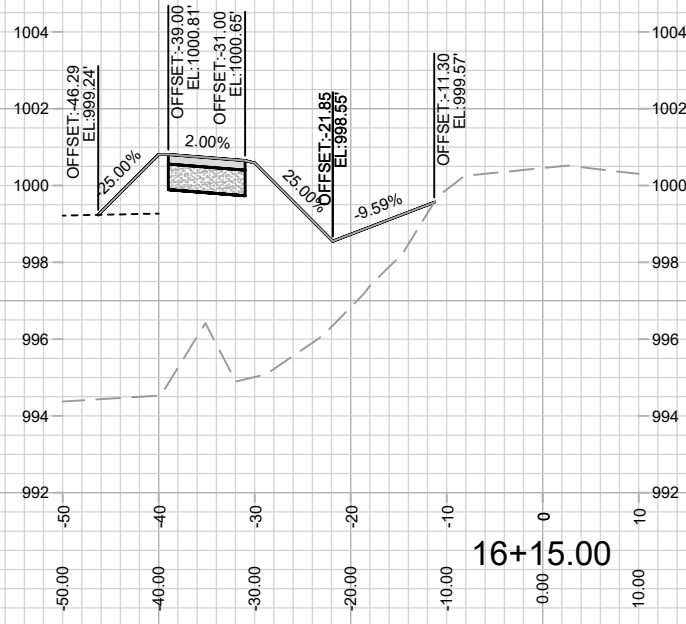
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12523  
MADISON, WI  
8343  
CONTRACT NO:

CROSSSECTIONS-FELLAND RD  
JANNAH VILLAGE PHASE 1  
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12523  
MADISON, WI  
8343  
CONTRACT NO:

CROSSSECTIONS-FELLAND RD  
JANNAH VILLAGE PHASE 1  
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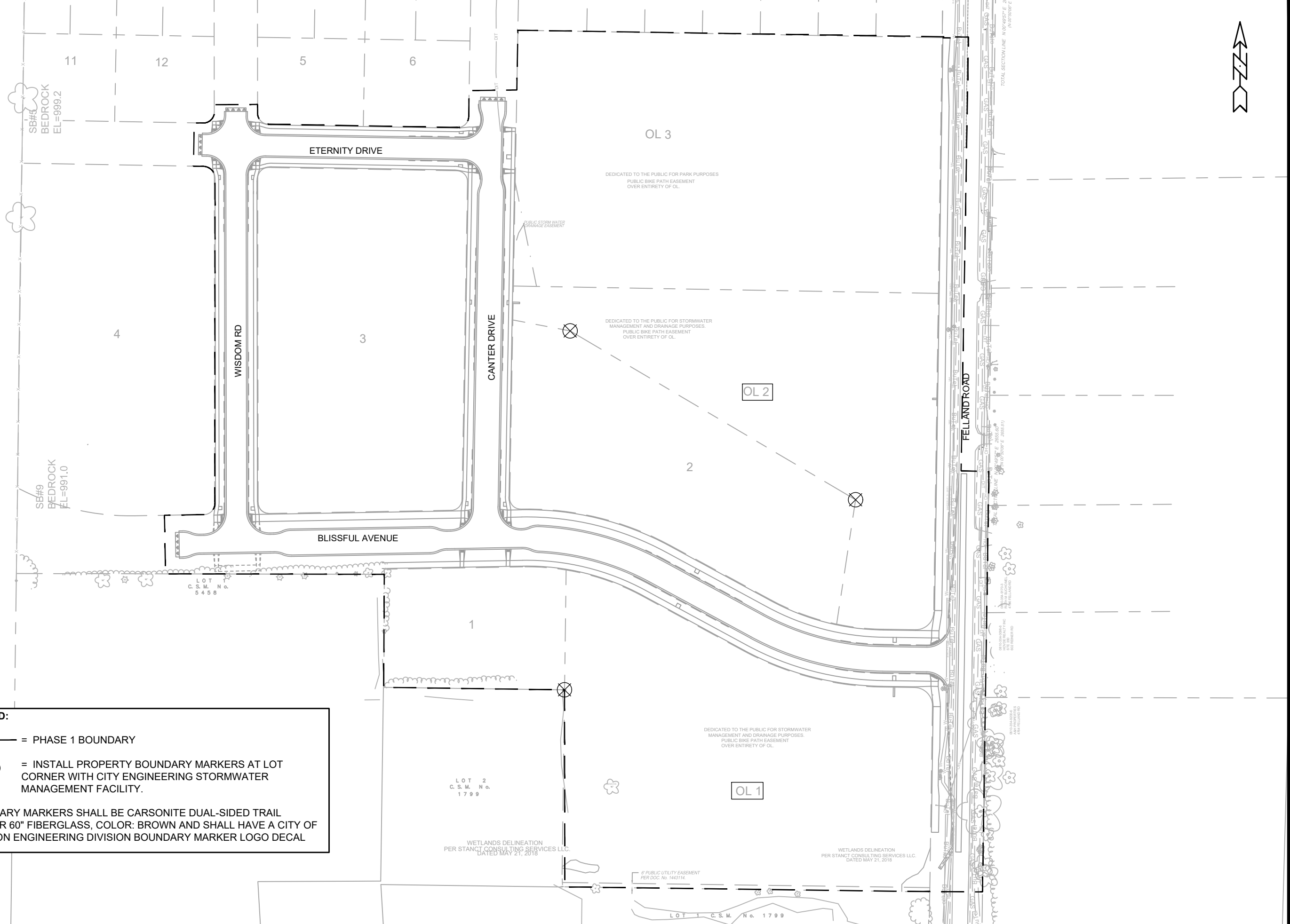
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**LEGEND:**

— — = PHASE 1 BOUNDARY

⊗ = INSTALL PROPERTY BOUNDARY MARKERS AT LOT CORNER WITH CITY ENGINEERING STORMWATER MANAGEMENT FACILITY.

BOUNDARY MARKERS SHALL BE CARSONITE DUAL-SIDED TRAIL MARKER 60" FIBERGLASS, COLOR: BROWN AND SHALL HAVE A CITY OF MADISON ENGINEERING DIVISION BOUNDARY MARKER LOGO DECAL



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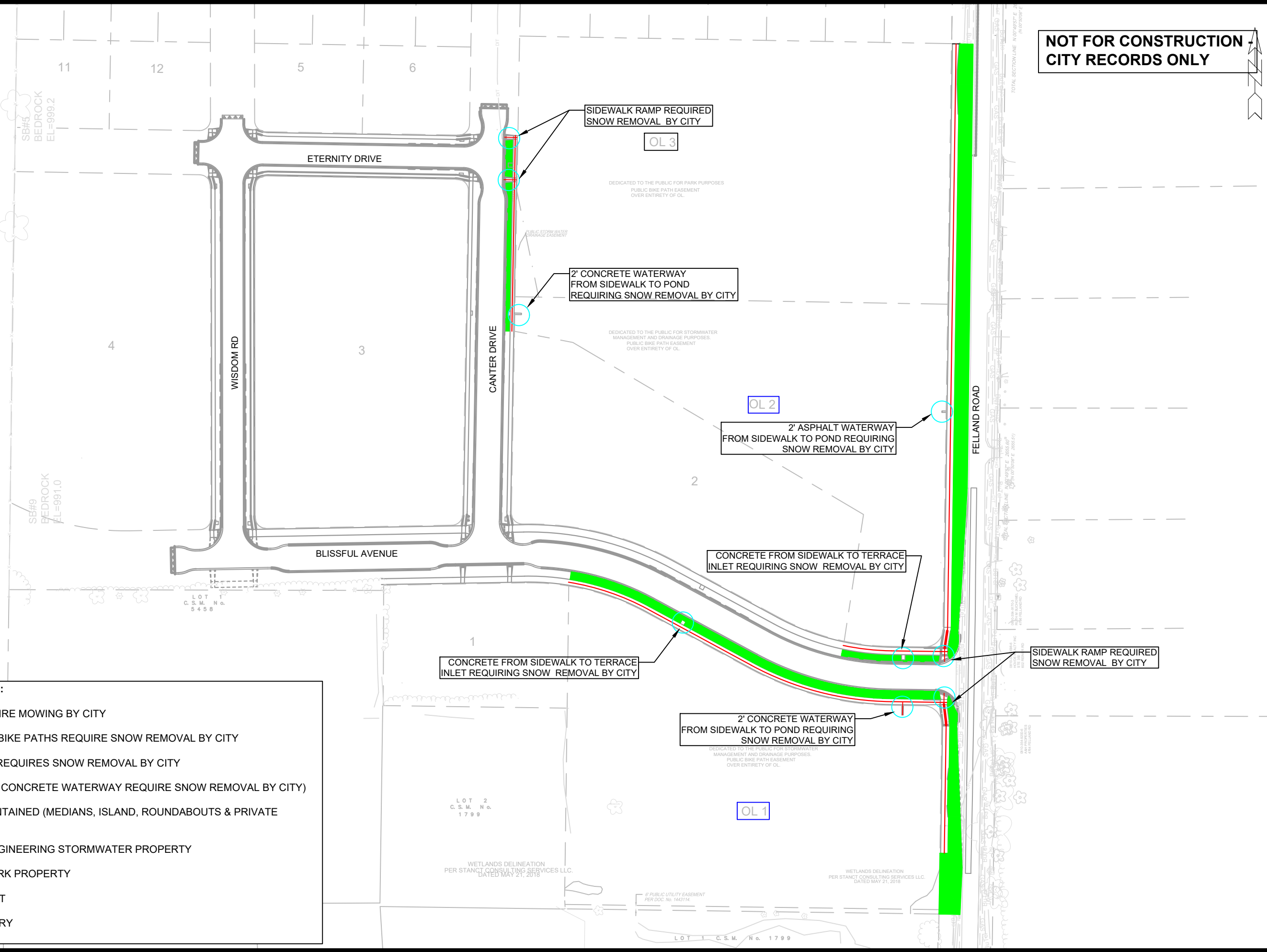
12523  
MADISON, WI  
8343  
CONTRACT NO:

PROPERTY BOUNDARY MARKER PLAN  
JANNAH VILLAGE PHASE 1  
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PBM-1

NOT FOR CONSTRUCTION  
CITY RECORDS ONLY



**MAINTENANCE LEGEND:**

- = TERRACE REQUIRE MOWING BY CITY
- = SIDEWALK AND BIKE PATHS REQUIRE SNOW REMOVAL BY CITY
- = BUS STOP PAD REQUIRES SNOW REMOVAL BY CITY
- = CROSSWALK OR CONCRETE WATERWAY REQUIRE SNOW REMOVAL BY CITY)
- = PRIVATELY MAINTAINED (MEDIANS, ISLAND, ROUNDABOUTS & PRIVATE OUTLOTS)
- = PUBLIC CITY ENGINEERING STORMWATER PROPERTY
- = PUBLIC CITY PARK PROPERTY
- = PRIVATE OUTLOT
- = PHASE BOUNDARY

<b>12523</b>	<b>MADISON, WI</b>	<b>8343</b>	<b>CONTRACT NO:</b>
<b>MAINTENANCE PLAN</b>			
<b>JANNAH VILLAGE PHASE 1</b>			
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<b>12523</b>		<b>MN-1</b>	