



Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

HILLCREST DRIVE, STANDISH COURT, AND ALDEN DRIVE ASSESSMENT DISTRICT - 2021

CITY PROJECT NO. 12195
CONTRACT NO. 8561

INDEX OF SHEETS

SHEET NO.	TITLE
1	TYPICAL SECTIONS & DETAILS
EC1-EC6	EROSION CONTROL PLANS
P1-P6	STREET PLAN & PROFILES
U1-U6	UTILITY PLAN & PROFILES
U7	SANITARY SEWER SCHEDULE
U8-U9	STORM SEWER SCHEDULE
W1-W6	WATER PLAN & PROFILES
W7-W8	WATER IMPACT PLAN
W9	WATER MATERIALS, NOTES, & DETAILS
X1-X7	HILLCREST DRIVE CROSS SECTIONS
X8-X10	STANDISH COURT CROSS SECTIONS
X10-X14	ALDEN DRIVE CROSS SECTIONS

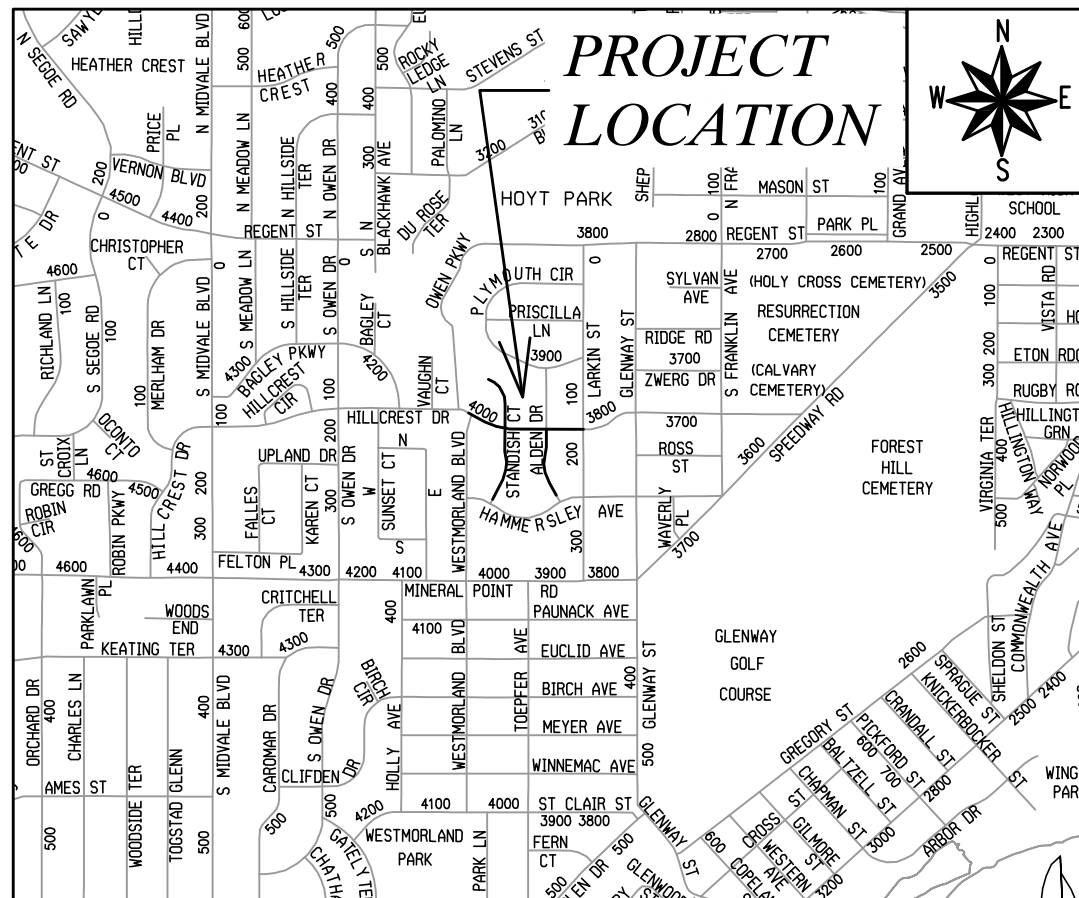
CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SN —
WATER	— W —
BURIED ELECTRIC	— E —
OVERHEAD ELECTRIC	— OH —
POWER POLE	
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	
COMBUSTIBLE FLUIDS	

NOTES:

ALL GUTTERS SHALL DRAIN WITH A MINIMUM GRADE OF 0.50% TOWARD STORM SEWER INLETS.

SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12". SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 2.00%. SIDEWALK SHALL HAVE A MINIMUM LONGITUDINAL SLOPE OF 0.50% AND A MAXIMUM LONGITUDINAL SLOPE OF 5.00% EXCEPT WHERE STREET GRADES EXCEED 5.00%.

CITY MAINTENANCE PLAN NOT REQUIRED



EARTH WORK SUMMARY:

EXCAVATION CUT (MEASURED PLAN QUANTITY) = 2,950 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT = 850 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT = 3,800 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: March 30, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

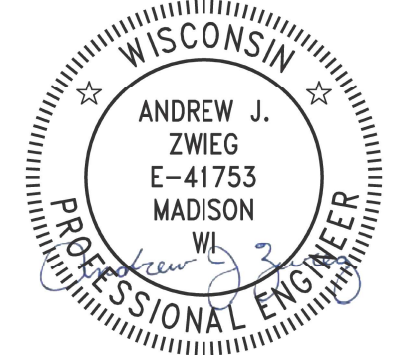
Greg Fries

Apr 9, 2021

City Engineer

Date

STREET DESIGNED BY:



Apr 9, 2021

SANITARY SEWER/STORM SEWER DESIGNED BY:

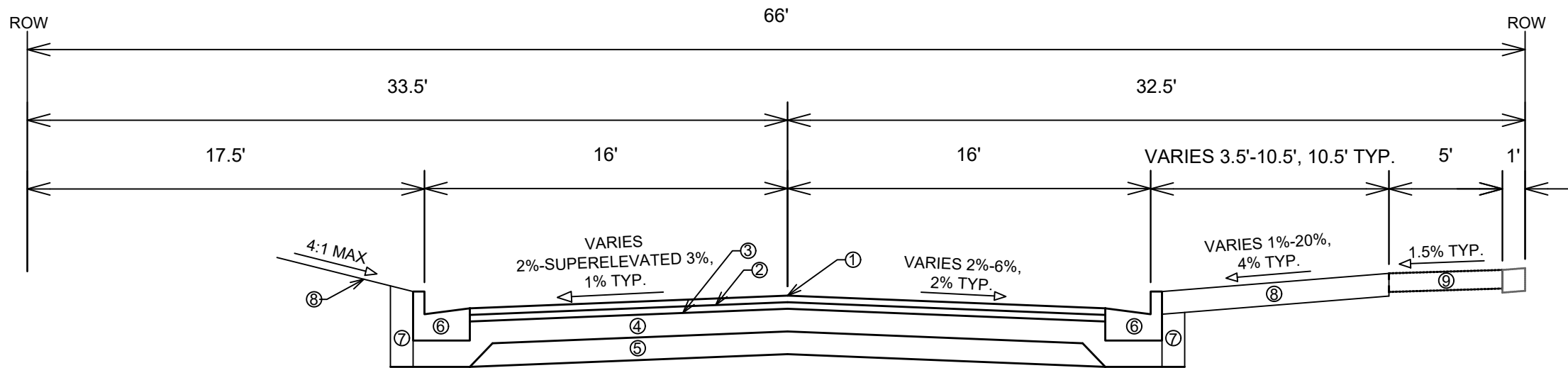


Apr 9, 2021

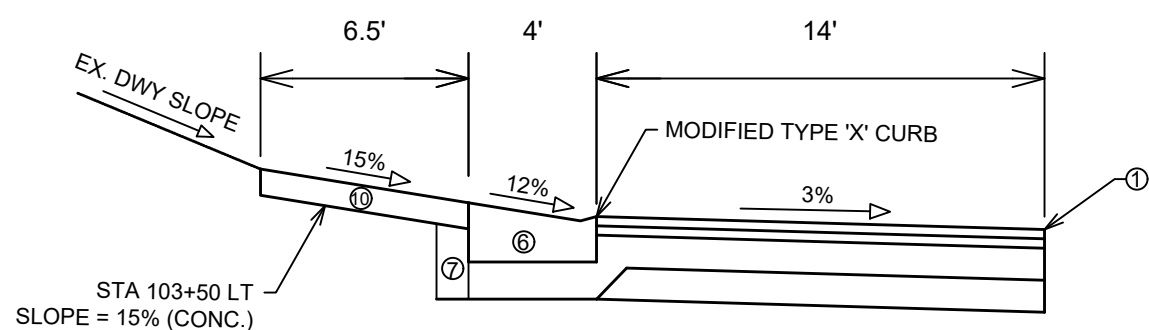
WATER DESIGNED BY:



Apr 9, 2021



TYPICAL SECTION
HILLCREST DRIVE
STA 101+75.92 TO STA 111+02.64

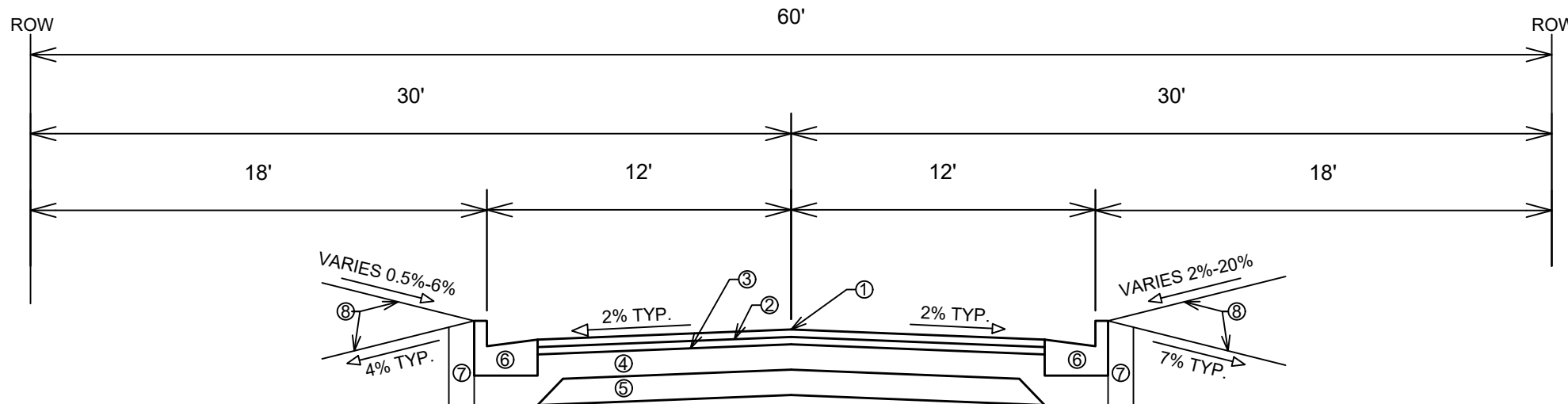


MODIFIED TYPE 'X' CURB
PAY AS TYPE 'X' CURB
NOT TO SCALE
4002 HILLCREST DRIVE

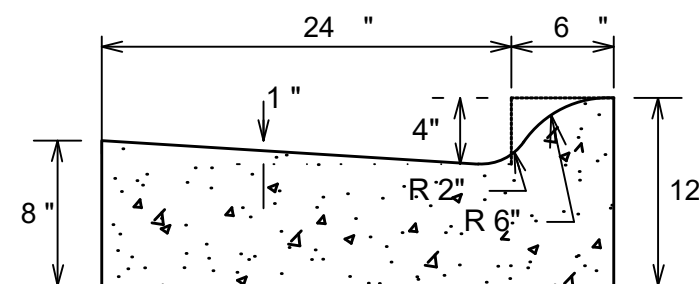
- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S (UPPER LAYER)
- ③ 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S (LOWER LAYER)
- ④ 6" GRADATION 2 CRUSHED AGGREGATE BASE COURSE (UPPER LAYER)
- ⑤ 6" GRADATION 1 CRUSHED AGGREGATE BASE COURSE (LOWER LAYER)
- ⑥ STND. TYPE 'A' OR DWY TYPE 'X' OR MODIFIED TYPE 'A' OR MODIFIED DWY 'X' CONCRETE CURB AND GUTTER TYPE 'A', SEE P-SHEETS FOR LOCATIONS
- ⑦ FILL INCIDENTAL TO CURB AND GUTTER INSTALLATION
- ⑧ RESTORE DISTURBED AREAS W/ 6" TOPSOIL, SEED, AND EROSION MATTING
- ⑨ 5" CONCRETE SIDEWALK SPOT REPLACEMENT AS NEEDED, SEE PLAN AND PROFILE SHEETS FOR LOCATIONS
- ⑩ 7" CONCRETE DRIVEWAY

SPECIAL NOTES:

- SEE X-SHEETS FOR CROSS SLOPES, EDGE OF PAVEMENT ELEVATIONS, & TOP OF CURB ELEVATIONS.
- TYPICAL SECTION NOT TO SCALE.



TYPICAL SECTION
STANDISH COURT
STA 201+58.28 TO STA 206+81.89
ALDEN DRIVE
STA 301+00.00 TO STA 306+50.69



MODIFIED TYPE 'A' CURB DETAIL
PAY AS TYPE 'A' CONC. CURB & GUTTER
NOT TO SCALE

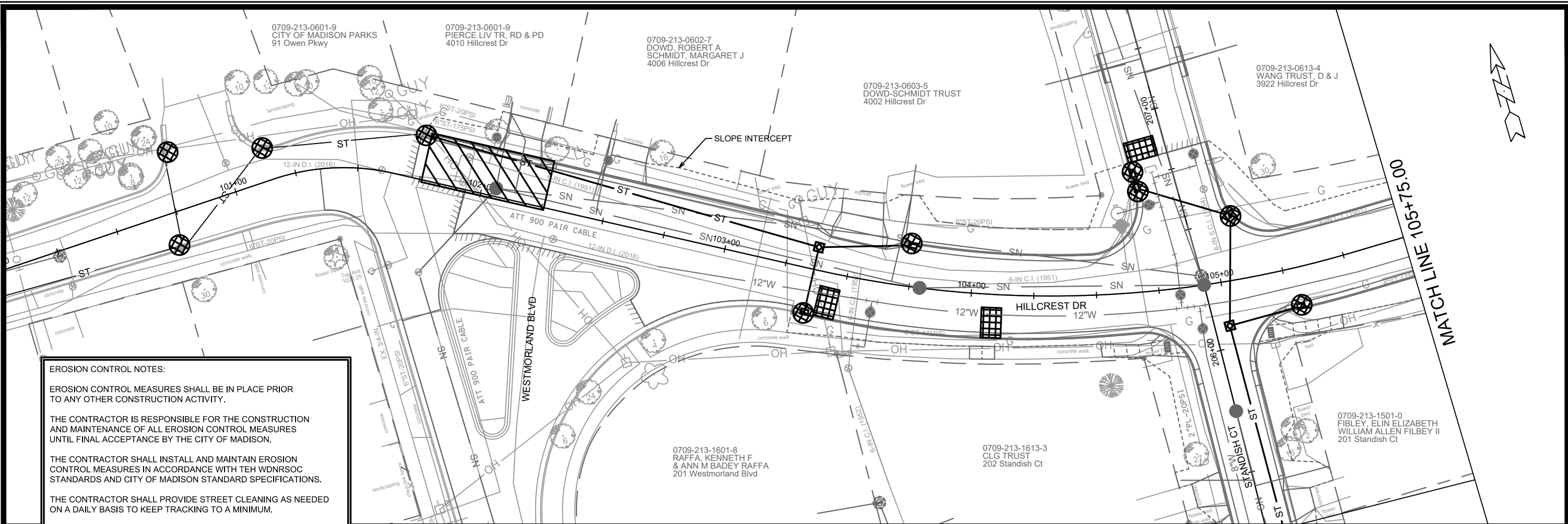


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12195
MADISON, WI
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
8561
CONTRACT NO:



12195
D-1



EROSION CONTROL NOTES:

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






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

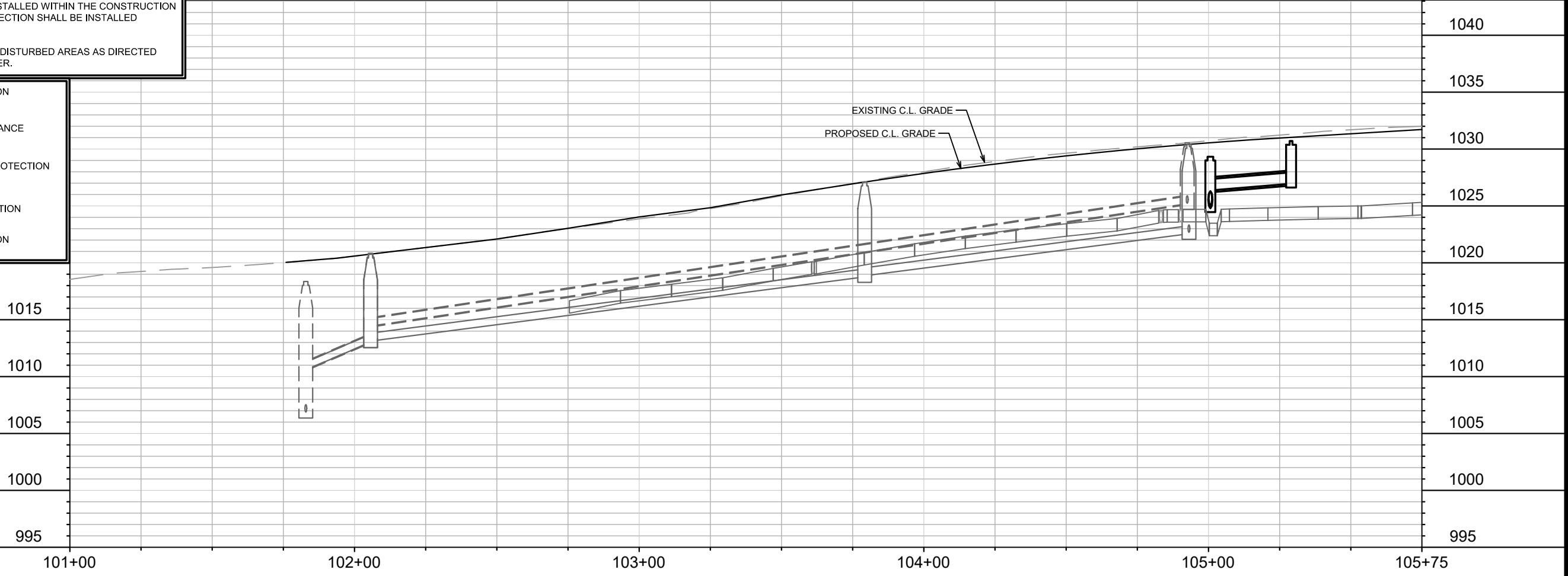
THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH TEH WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.


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

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






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

-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE A INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM



12195	EROSION CONTROL PLAN - HILLCREST DRIVE	12195	MADISON, WI	EC-1
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT		CONTRACT NO: 8561		BY: _____
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MATCH LINE 105+75.00

-  STREET CONSTRUCTION ENTRANCE BERM
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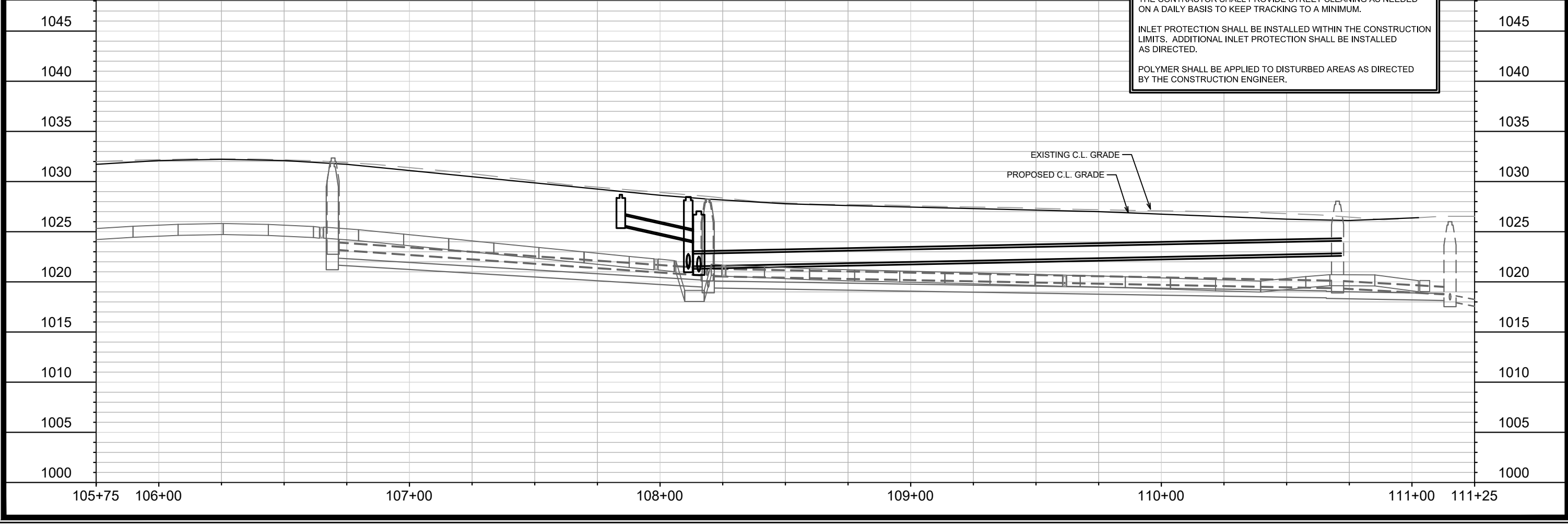
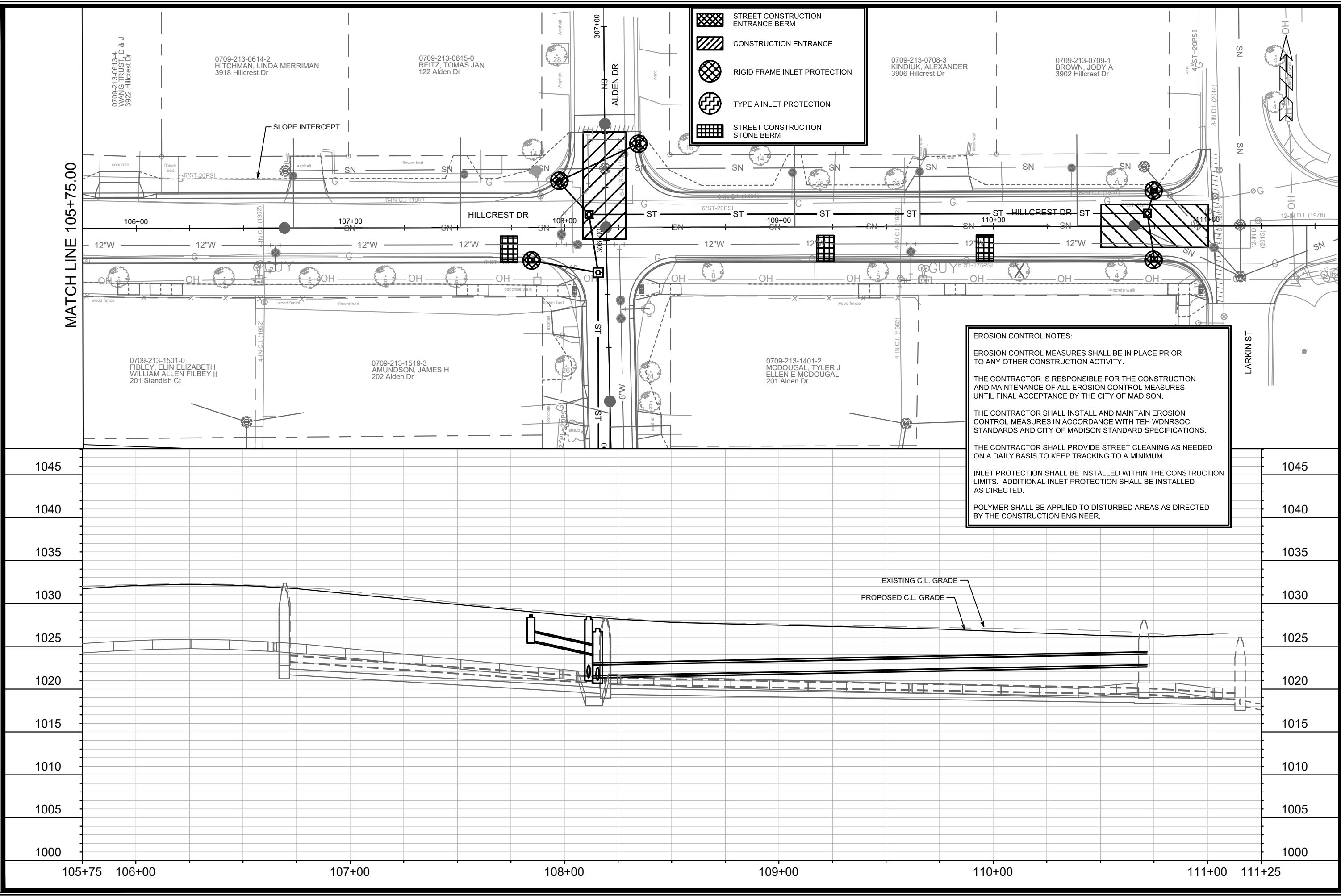
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EXISTING C.L. GRADE
PROPOSED C.L. GRADE

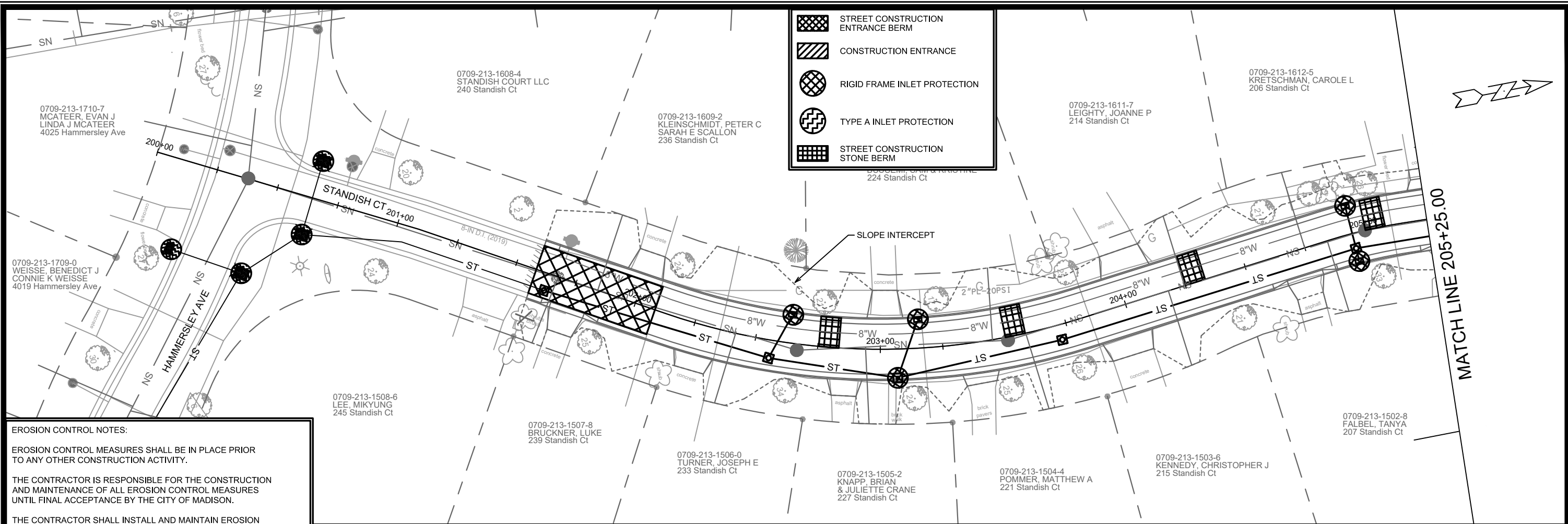


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EROSION CONTROL PLAN - HILLCREST DRIVE
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
MADISON, WI
CONTRACT NO: 8561
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EC-2



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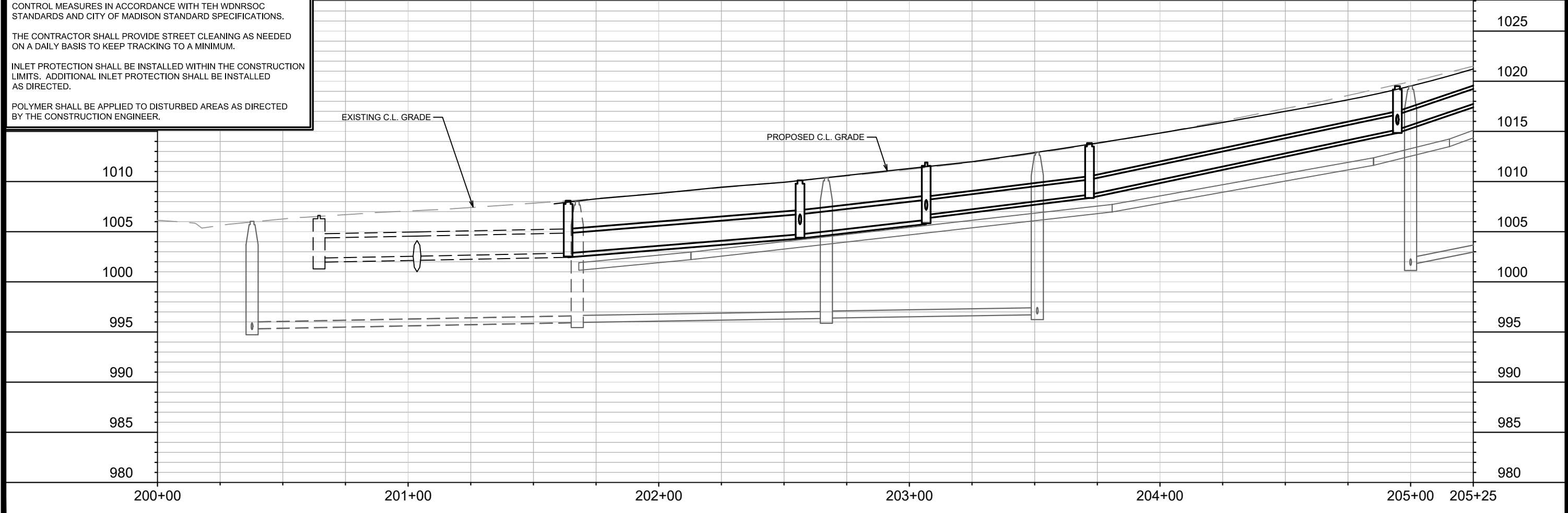
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EROSION CONTROL PLAN - STANDISH COURT

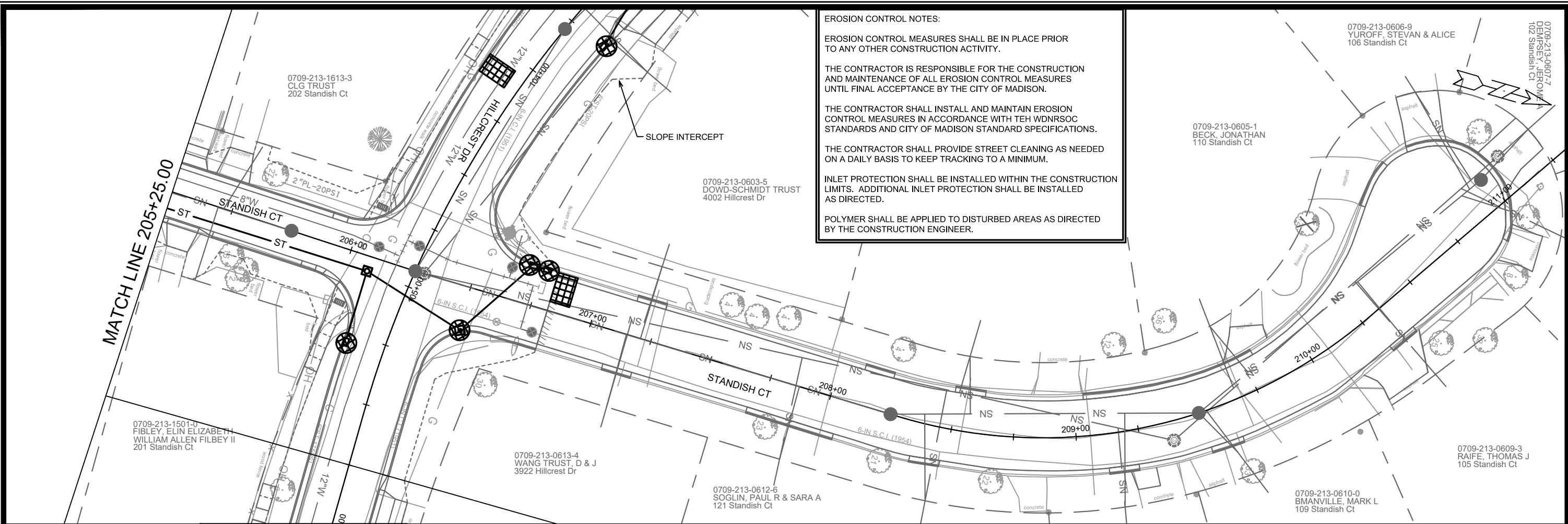
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI

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CONTRACT NO: 8561

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EC-3



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0709-213-0606-9
YUROFF, STEVAN & ALICE
106 Standish Ct

0709-213-0607-7
DEMSEY, JEROME
102 Standish Ct

0709-213-0605-1
BECK, JONATHAN
110 Standish Ct

0709-213-0609-3
RAIFE, THOMAS J
105 Standish Ct

0709-213-0610-0
BMANVILLE, MARK L
109 Standish Ct

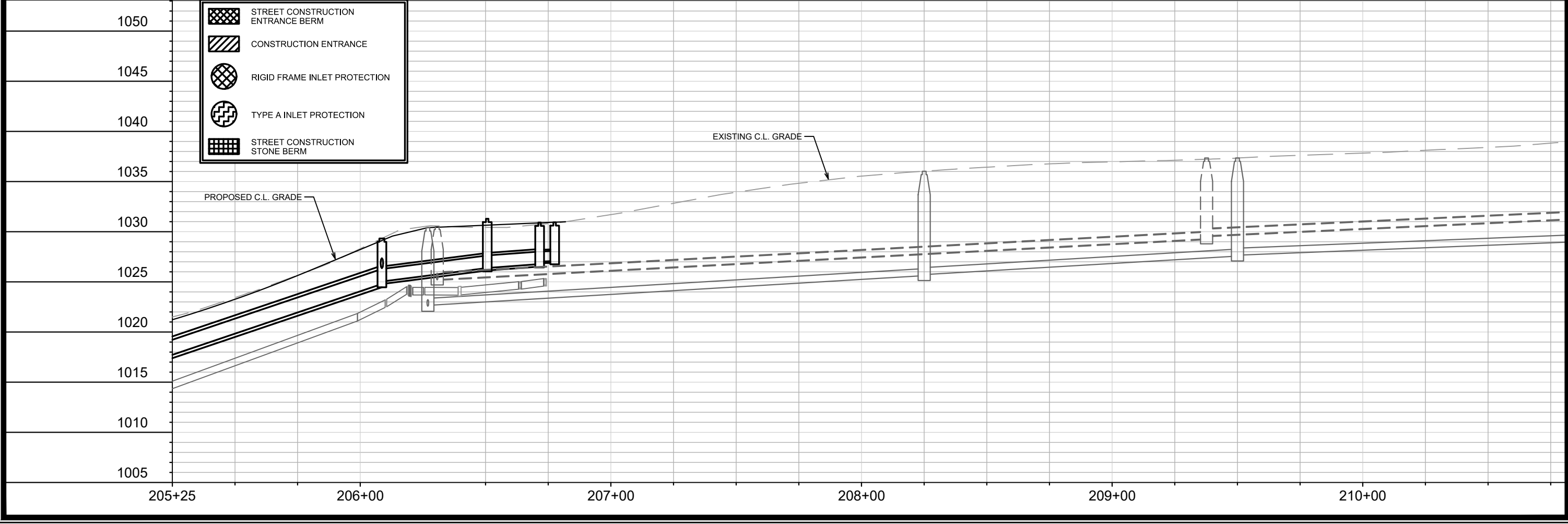
0709-213-0612-6
SOGLIN, PAUL R & SARA A
121 Standish Ct

0709-213-0613-4
WANG TRUST, D & J
3922 Hillcrest Dr

0709-213-0603-5
DOWD-SCHMIDT TRUST
4002 Hillcrest Dr

0709-213-1613-3
CLG TRUST
202 Standish Ct

0709-213-1501-0
FIBLEY, ELIN ELIZABETH
WILLIAM ALLEN FIBLEY II
201 Standish Ct



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EROSION CONTROL PLAN - STANDISH COURT

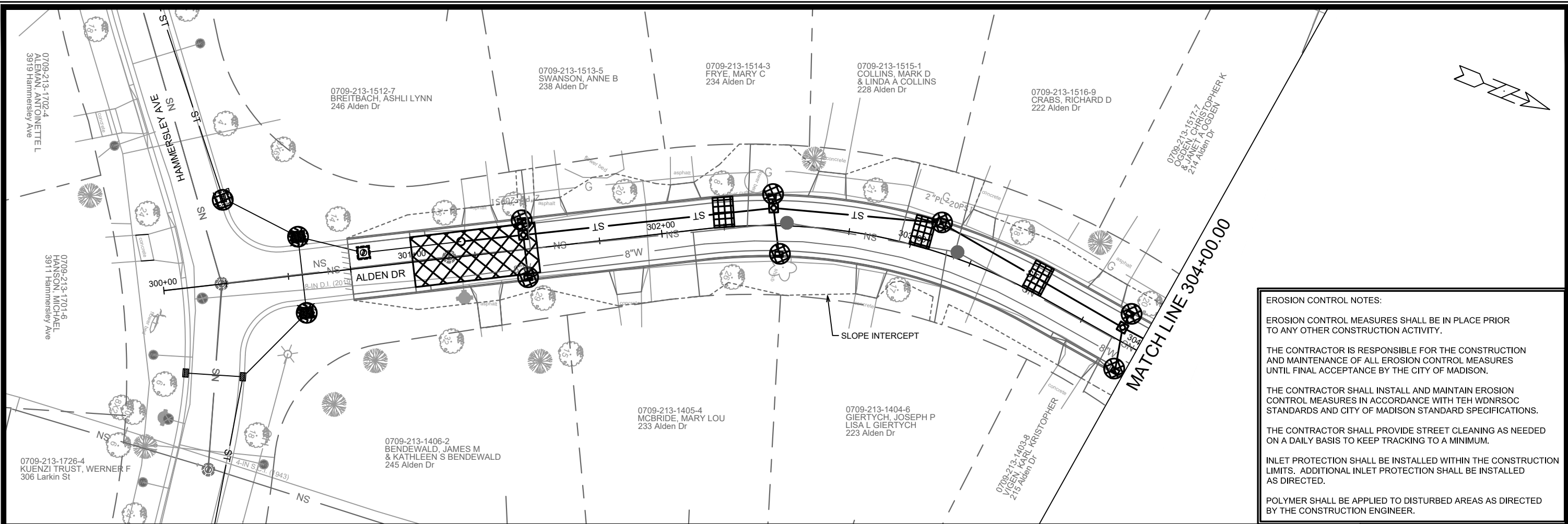
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI

CONTRACT NO: 8561

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EROSION CONTROL NOTES:

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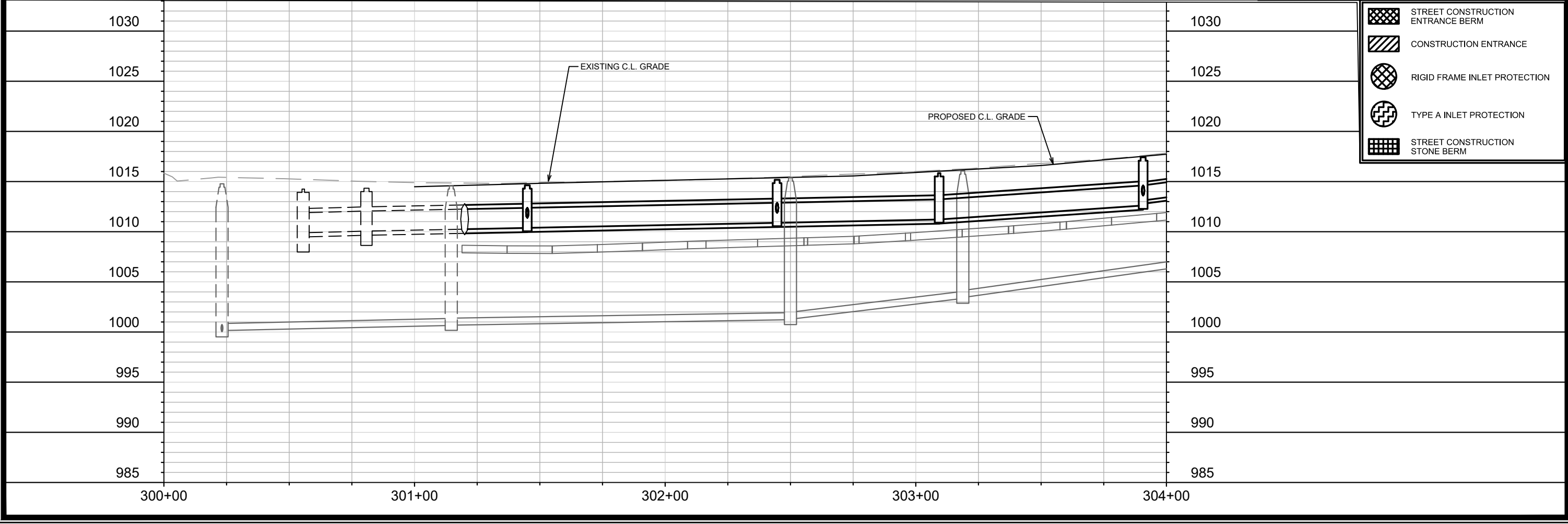
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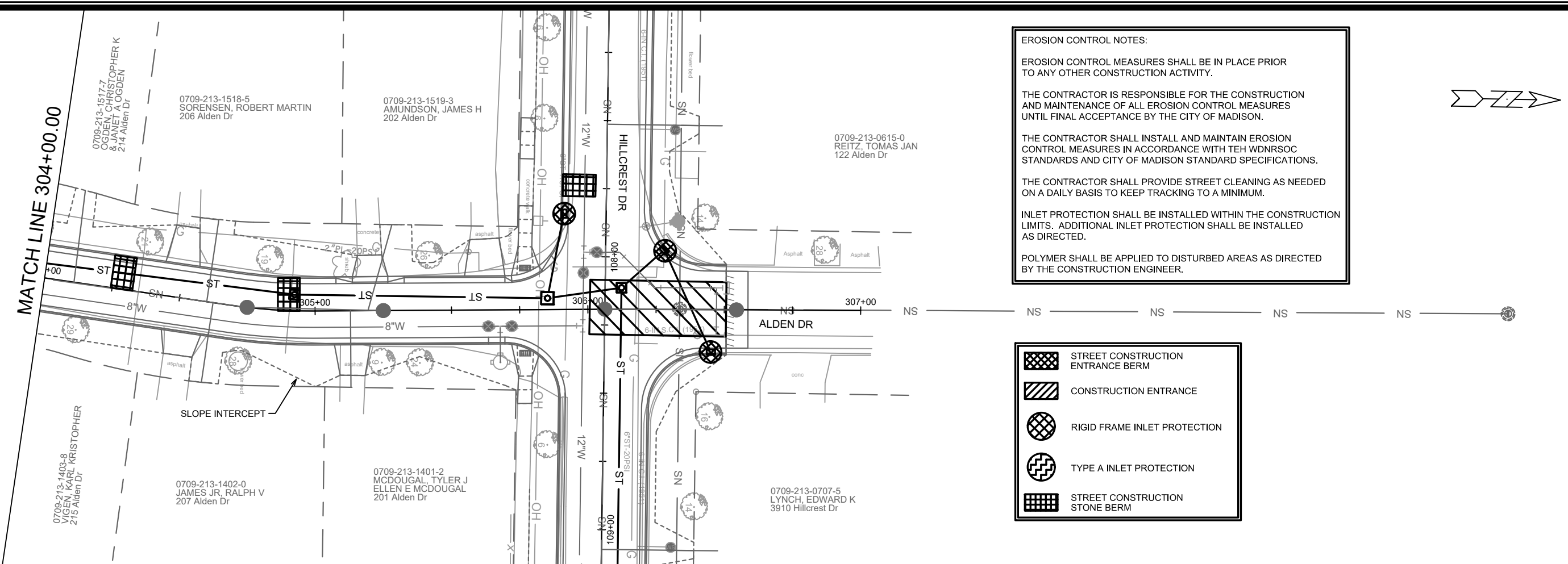
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-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  TYPE A INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM

12195	MADISON, WI	8561	EC-5
EROSION CONTROL PLAN - ALDEN DRIVE		CONTRACT NO.:	
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT		M:\DESIGN\Projects\12195\CAD\Sanitary\12195SWR-Erosion Control.dwg	
			
12195		EC-5	



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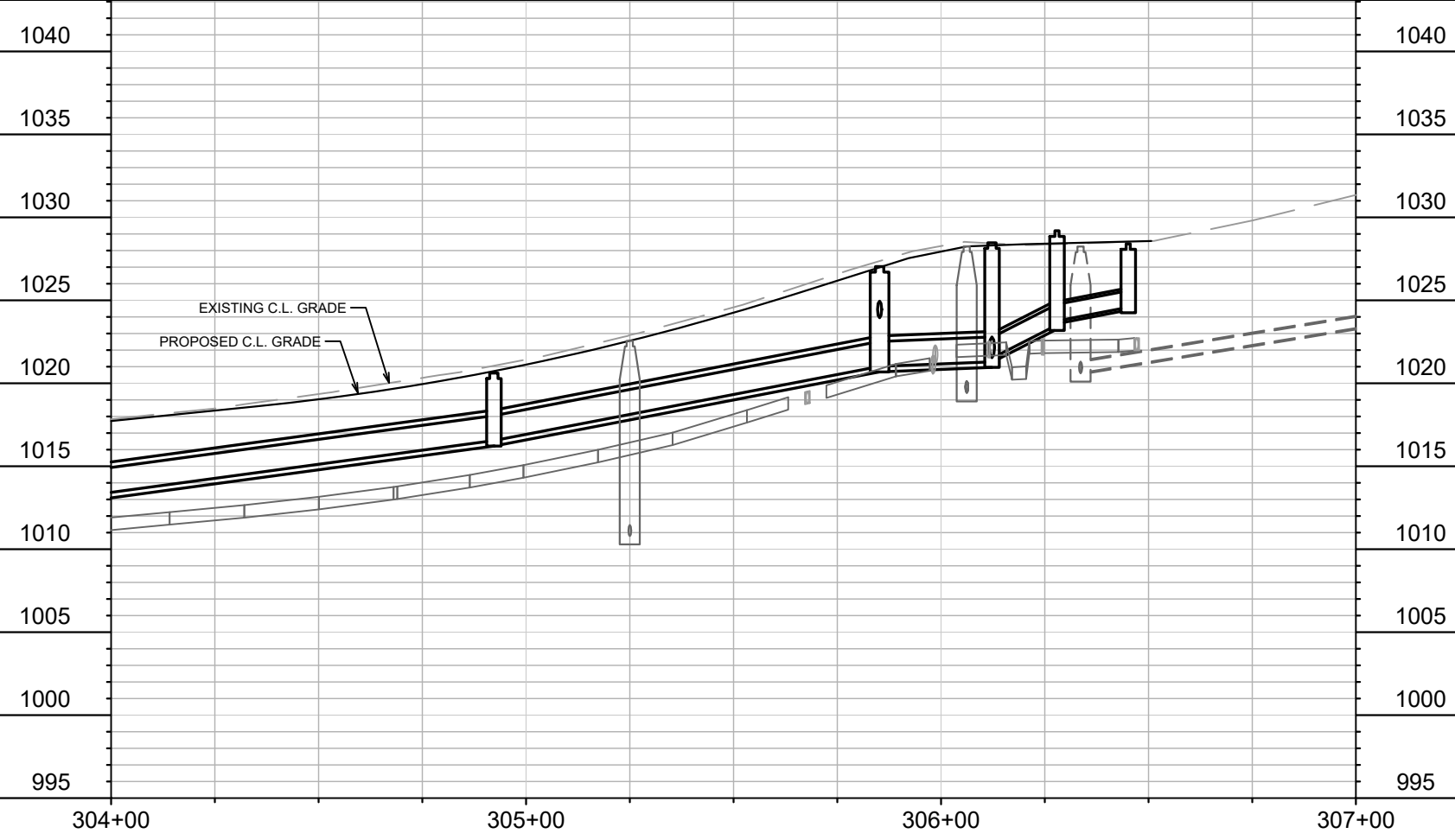
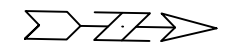
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- STREET CONSTRUCTION STONE BERM

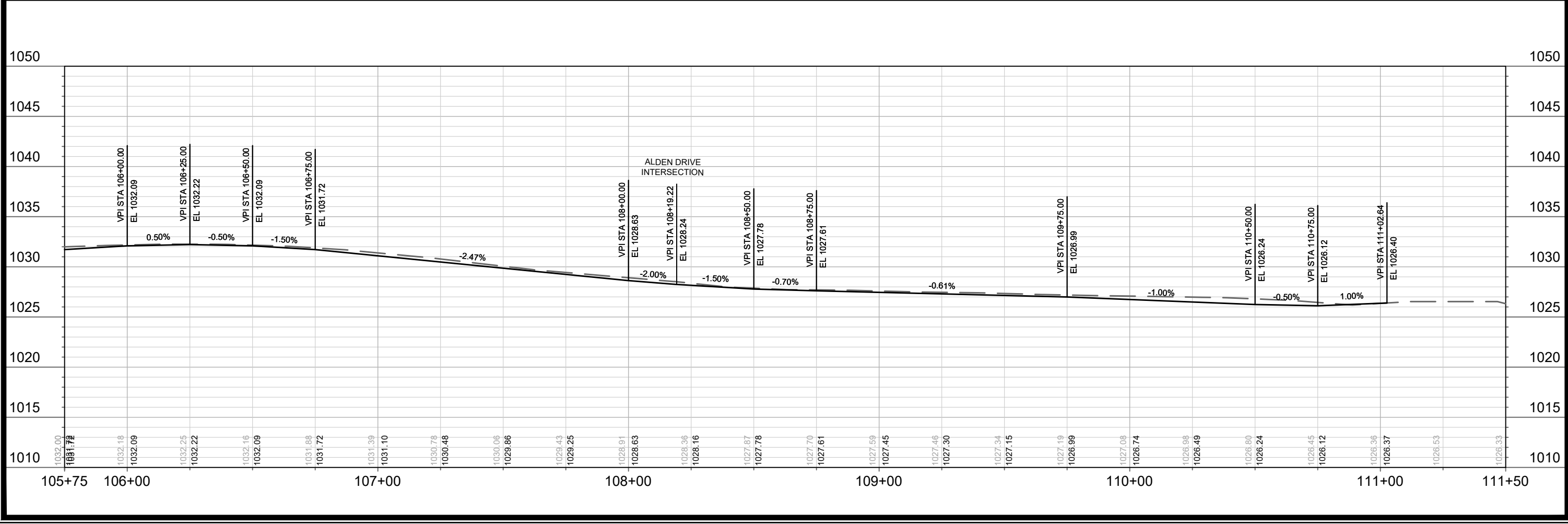
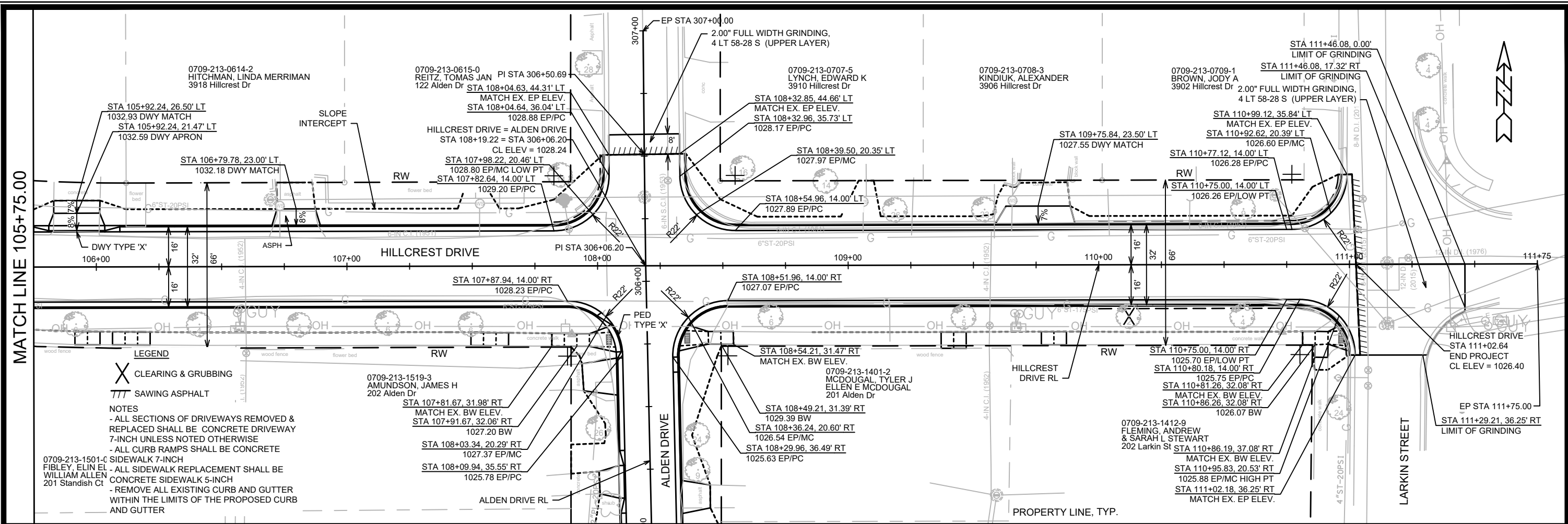


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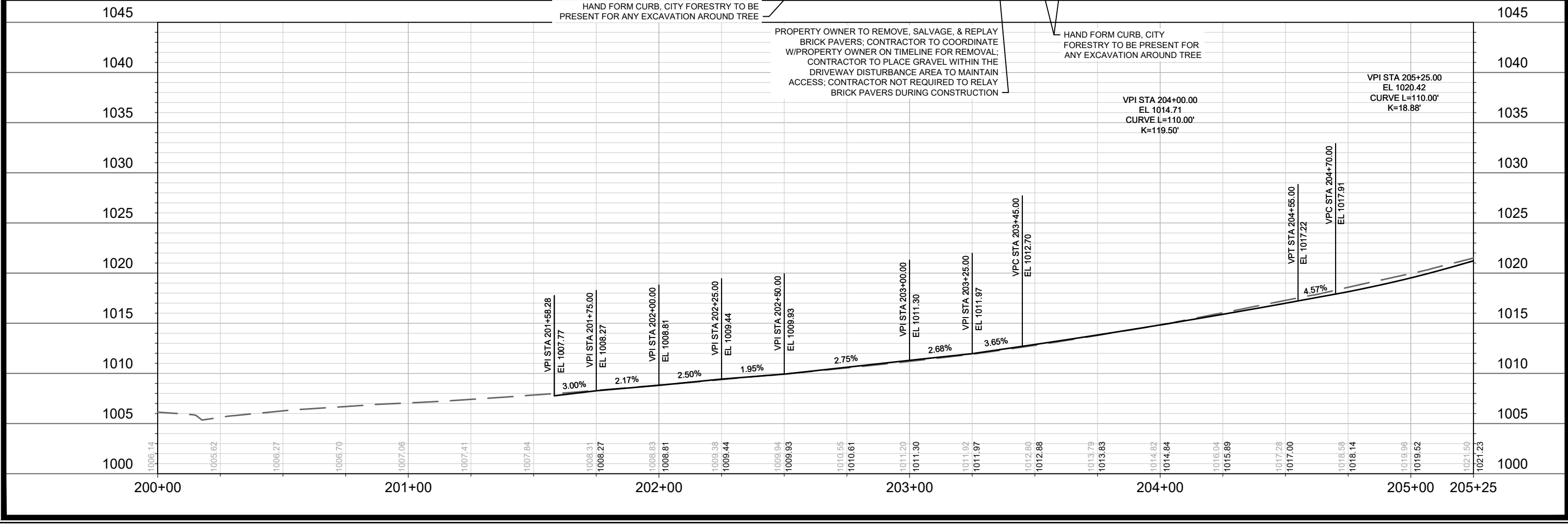
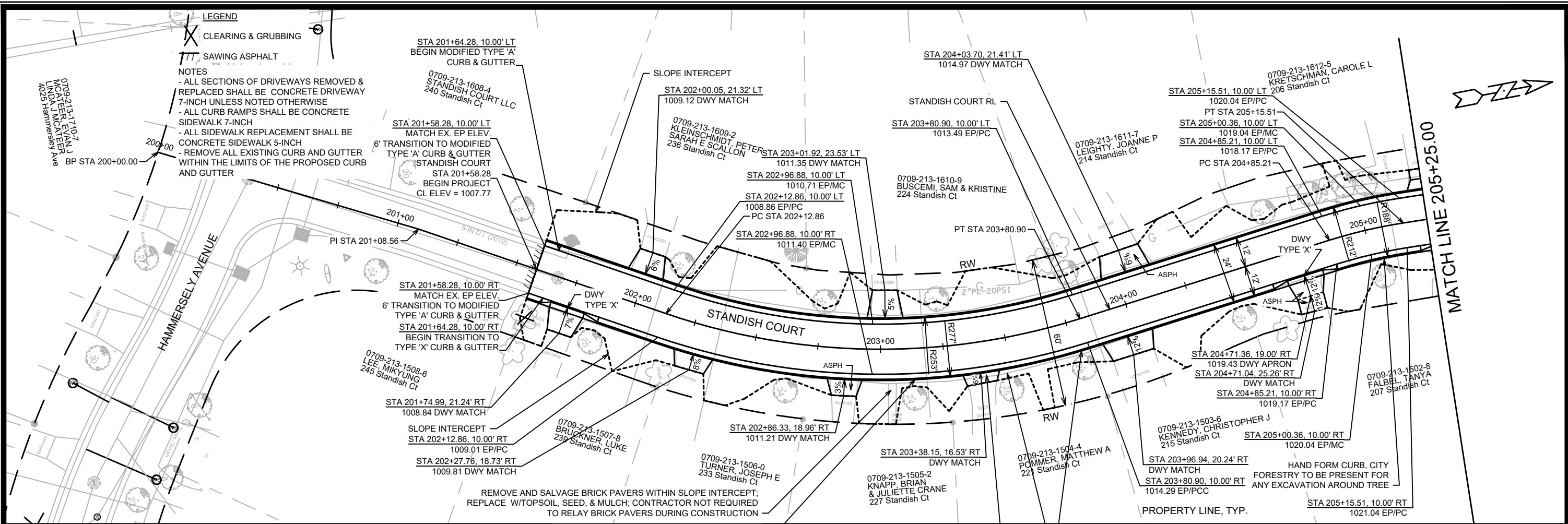
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 EROSION CONTROL PLAN - ALDEN DRIVE
 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 MADISON, WI
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 CONTRACT NO:



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HILLCREST DRIVE PLAN AND PROFILE		
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI		
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LEGEND

CLEARING & GRUBBING

SAWING ASPHALT

NOTES

- ALL SECTIONS OF DRIVEWAYS REMOVED & REPLACED SHALL BE CONCRETE DRIVEWAY 7-INCH UNLESS NOTED OTHERWISE
- ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH
- ALL SIDEWALK REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH
- REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER

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Designed By: ALZ	Date: 4/9/2021 11:40 AM
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CONTRACT NO:

12195

MADISON, WI

STANDISH COURT PLAN AND PROFILE

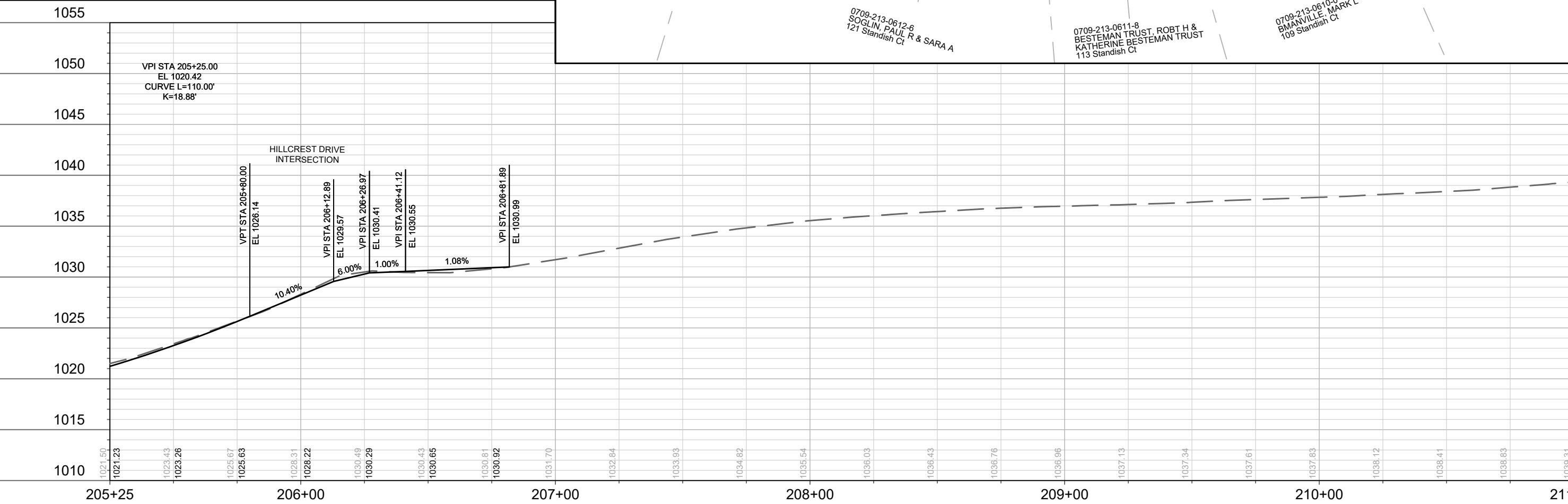
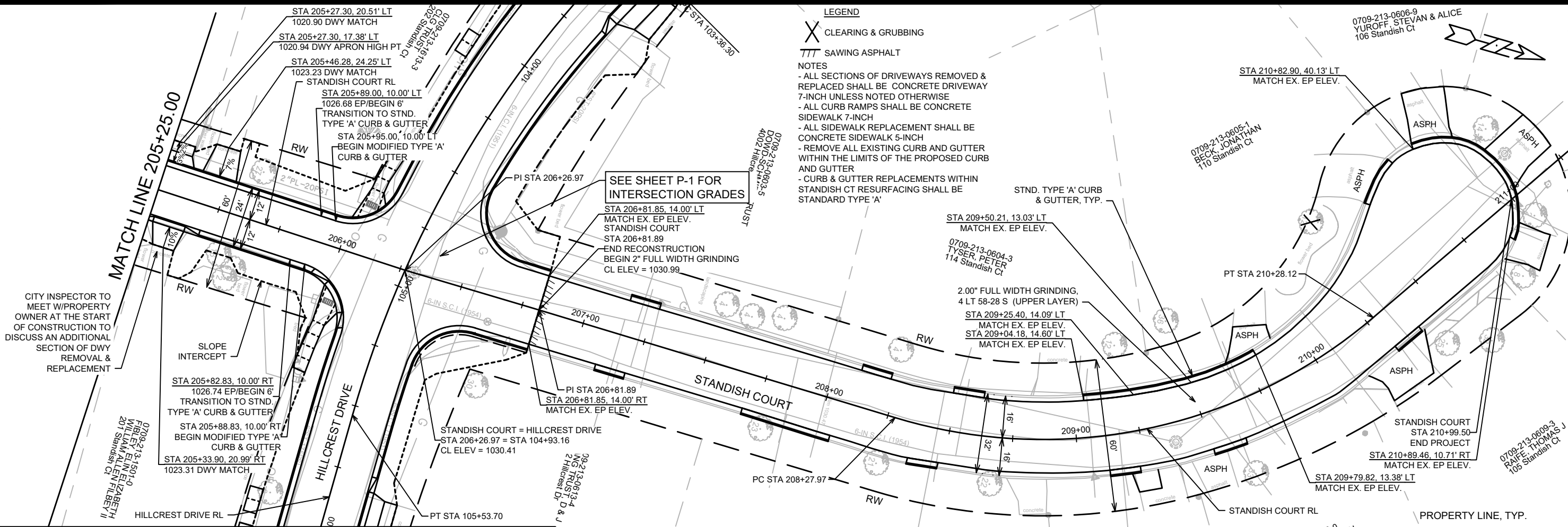
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT

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CITY OF MADISON WISCONSIN

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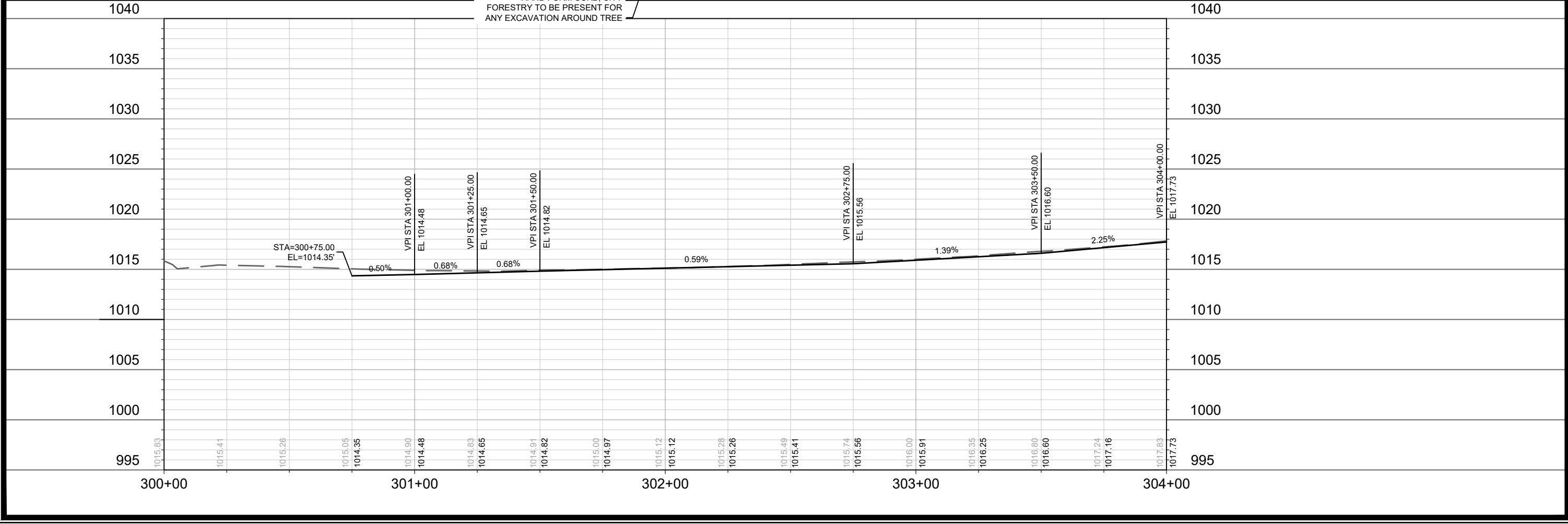
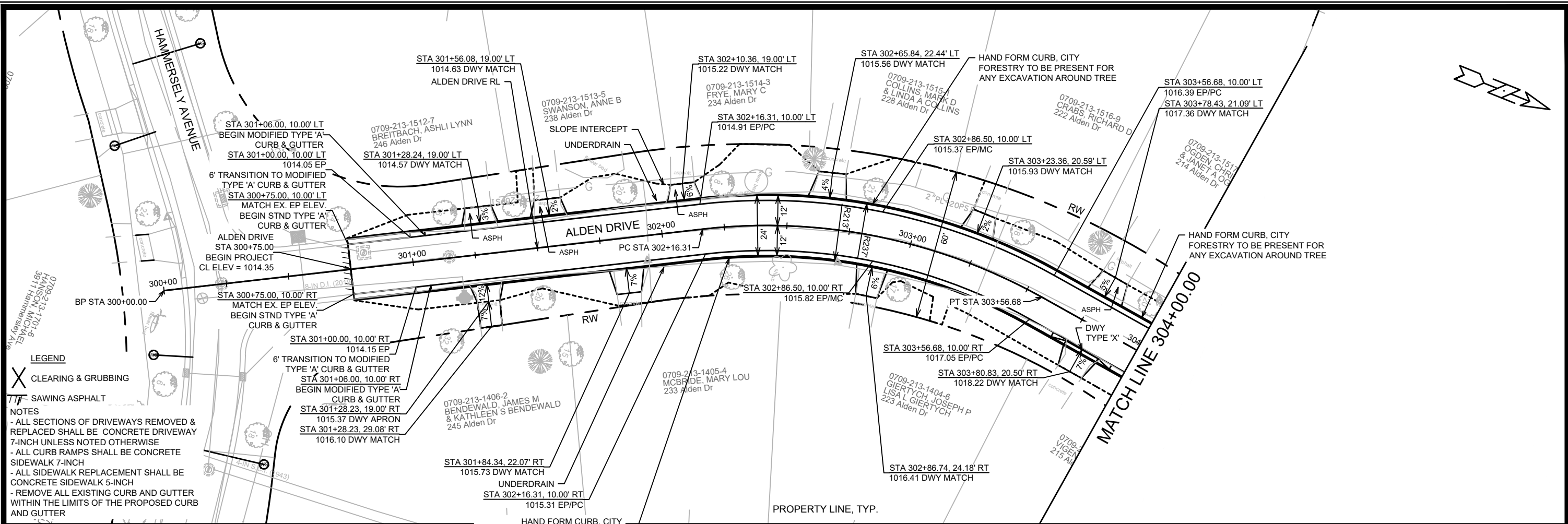
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P-4	

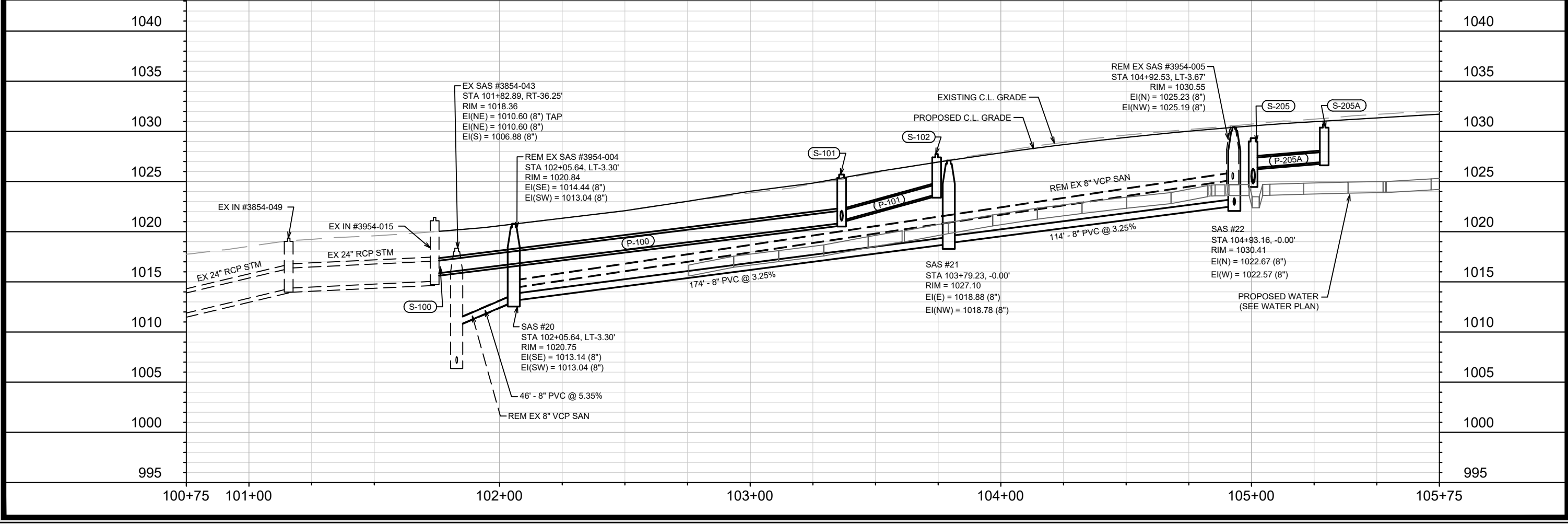
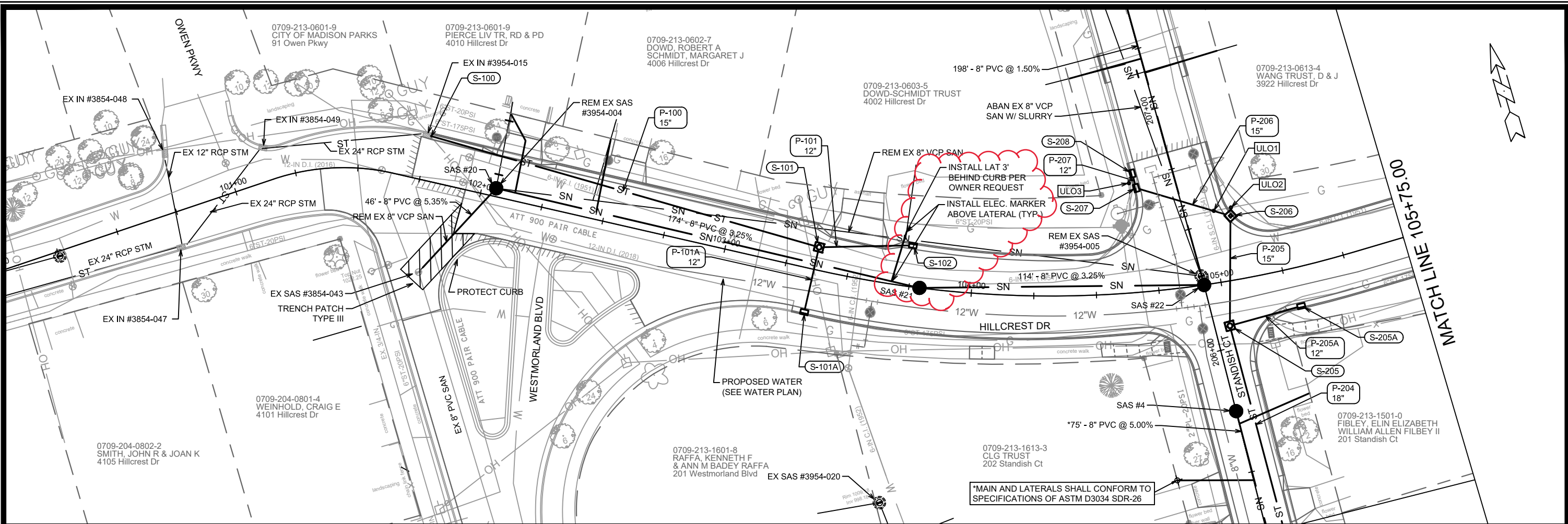
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 STANDISH COURT PLAN AND PROFILE
 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI
 CONTRACT NO: 8561
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 P-4



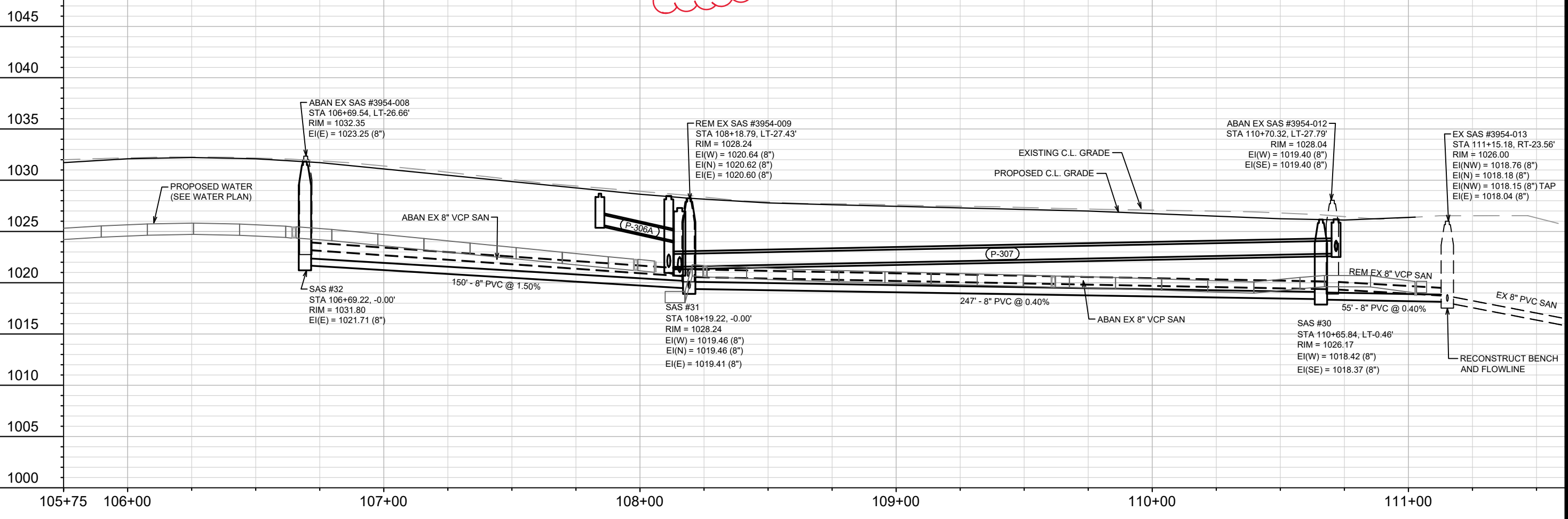
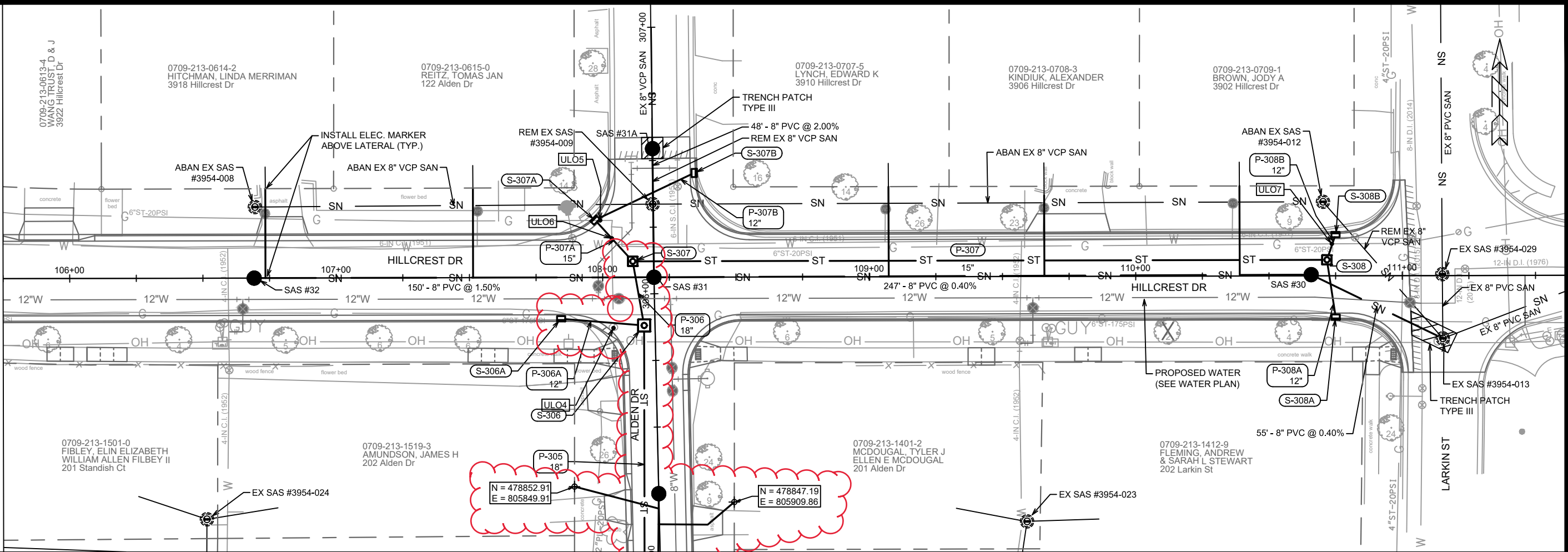
- LEGEND**
- X CLEARING & GRUBBING
 - SAWING ASPHALT
- NOTES**
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 - ALL CURB RAMPS SHALL BE CONCRETE SIDEWALK 7-INCH
 - ALL SIDEWALK REPLACEMENT SHALL BE CONCRETE SIDEWALK 5-INCH
 - REMOVE ALL EXISTING CURB AND GUTTER WITHIN THE LIMITS OF THE PROPOSED CURB AND GUTTER

12195	ALDEN DRIVE PLAN AND PROFILE	12195	HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT	MADISON, WI
		CONTRACT NO: 8561		P-5
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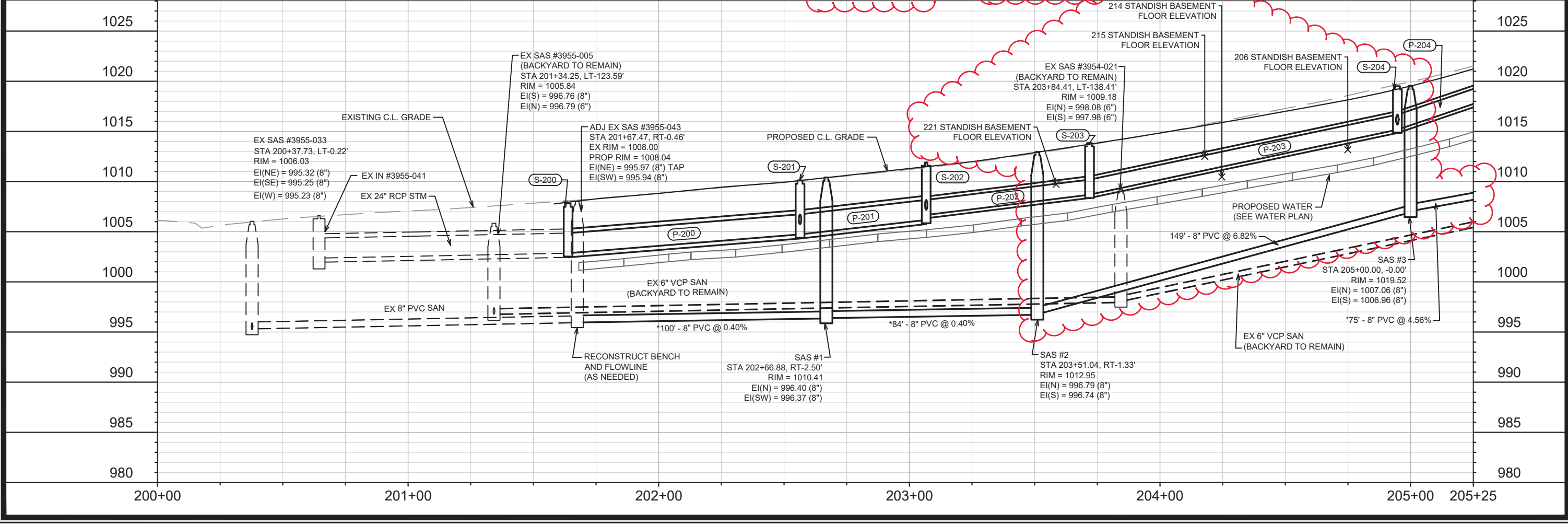
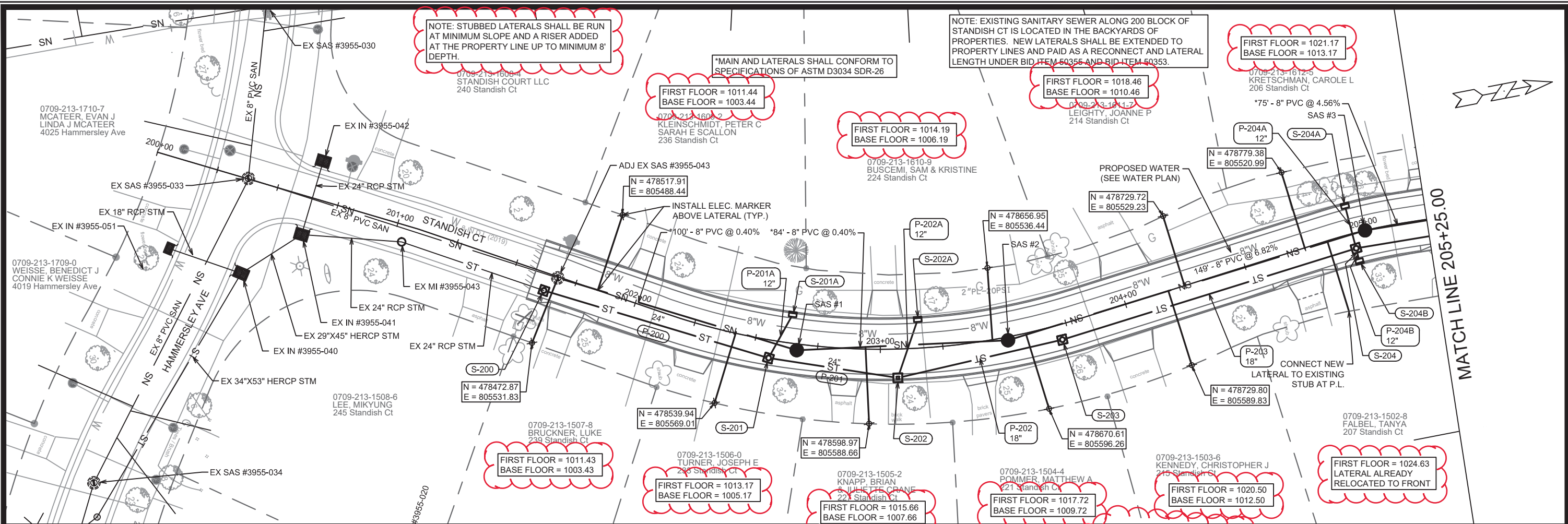


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HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT	MADISON, WI	U-1
SEWER PLAN AND PROFILE - HILLCREST DR	CONTRACT NO: 8561	U-1
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MATCHLINE 105+75.00



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SEWER PLAN AND PROFILE - HILLCREST DR		
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI		
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12195	8561	U-2



NOTE: STUBBED LATERALS SHALL BE RUN AT MINIMUM SLOPE AND A RISER ADDED AT THE PROPERTY LINE UP TO MINIMUM 8' DEPTH.

*MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D3034 SDR-26

NOTE: EXISTING SANITARY SEWER ALONG 200 BLOCK OF STANDISH CT IS LOCATED IN THE BACKYARDS OF PROPERTIES. NEW LATERALS SHALL BE EXTENDED TO PROPERTY LINES AND PAID AS A RECONNECT AND LATERAL LENGTH UNDER BID ITEM 50356 AND BID ITEM 50353.

FIRST FLOOR = 1021.17
BASE FLOOR = 1013.17

FIRST FLOOR = 1011.44
BASE FLOOR = 1003.44

FIRST FLOOR = 1014.19
BASE FLOOR = 1006.19

FIRST FLOOR = 1018.46
BASE FLOOR = 1010.46

FIRST FLOOR = 1011.43
BASE FLOOR = 1003.43

FIRST FLOOR = 1013.17
BASE FLOOR = 1005.17

FIRST FLOOR = 1015.66
BASE FLOOR = 1007.66

FIRST FLOOR = 1017.72
BASE FLOOR = 1009.72

FIRST FLOOR = 1020.50
BASE FLOOR = 1012.50

FIRST FLOOR = 1024.63
LATERAL ALREADY RELOCATED TO FRONT

1	7/22/21	KDF	U-3
2	6/24/21	KDF	
		REVISION	
		DATE	###/###/###
		BY	
		Scale	12195
		Designed By	ALZ
		Date	7/22/2021 2:12 PM

12195
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
MADISON, WI
CONTRACT NO.: 8561
M:\DESIGN\Projects\12195\CAD\Sanitary\12195SWR-PipeNetwork.dwg



12195
U-3

*MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D3034 SDR-26

FIRST FLOOR = 1026.35
BASE FLOOR = 1018.35

NOTE: STUBBED LATERALS SHALL BE RUN AT MINIMUM SLOPE AND A RISER ADDED AT THE PROPERTY LINE UP TO MINIMUM 8' DEPTH.

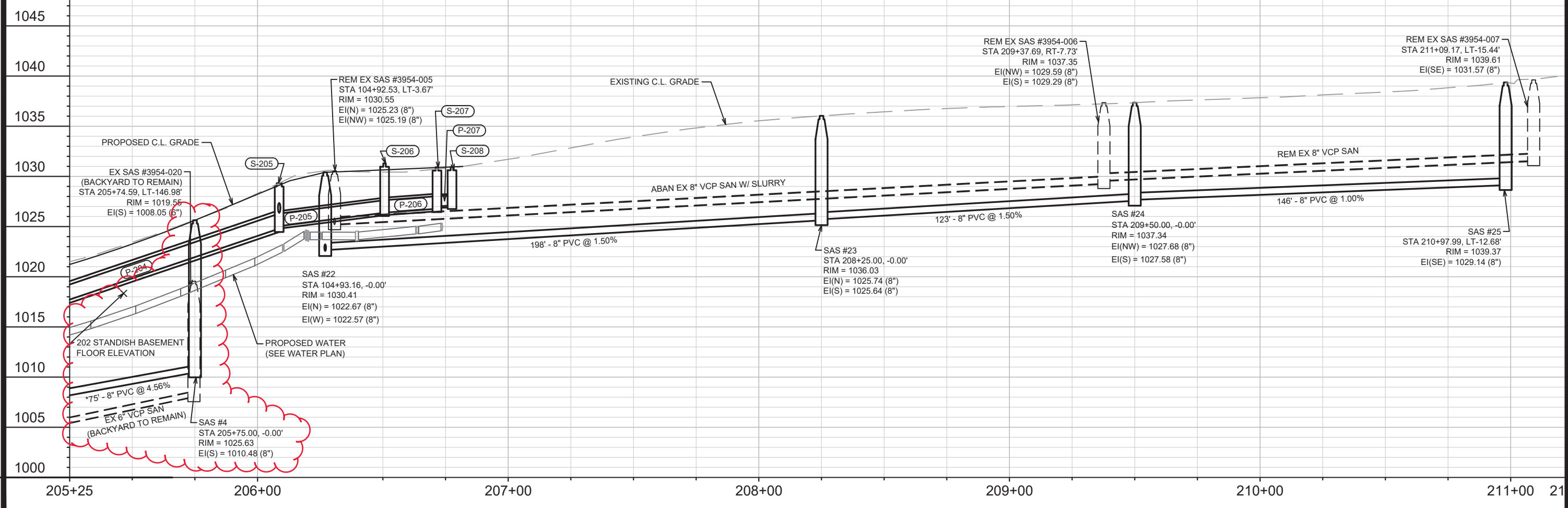
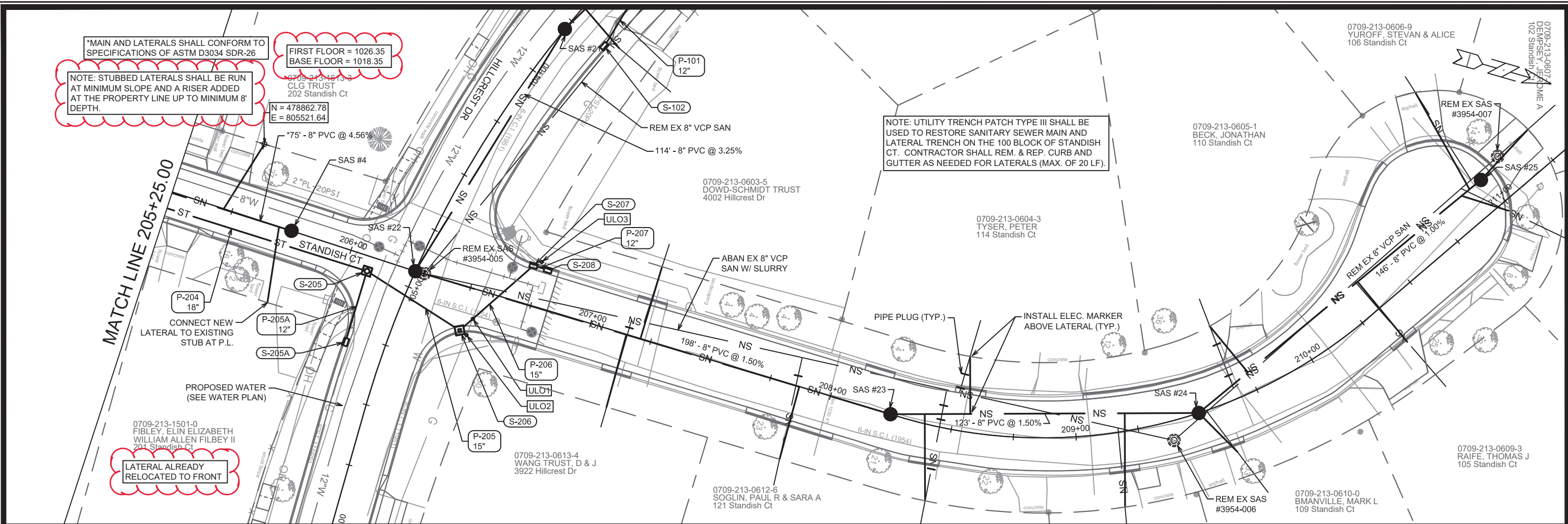
0709-213-1613-3
CLG TRUST
202 Standish Ct
N = 478862.78
E = 805521.64

NOTE: UTILITY TRENCH PATCH TYPE III SHALL BE USED TO RESTORE SANITARY SEWER MAIN AND LATERAL TRENCH ON THE 100 BLOCK OF STANDISH CT. CONTRACTOR SHALL REM. & REP. CURB AND GUTTER AS NEEDED FOR LATERALS (MAX. OF 20 LF).

MATCH LINE 205+25.00

0709-213-1501-0
FIBLEY, ELIN ELIZABETH
WILLIAM ALLEN FIBLEY II
204 Standish Ct

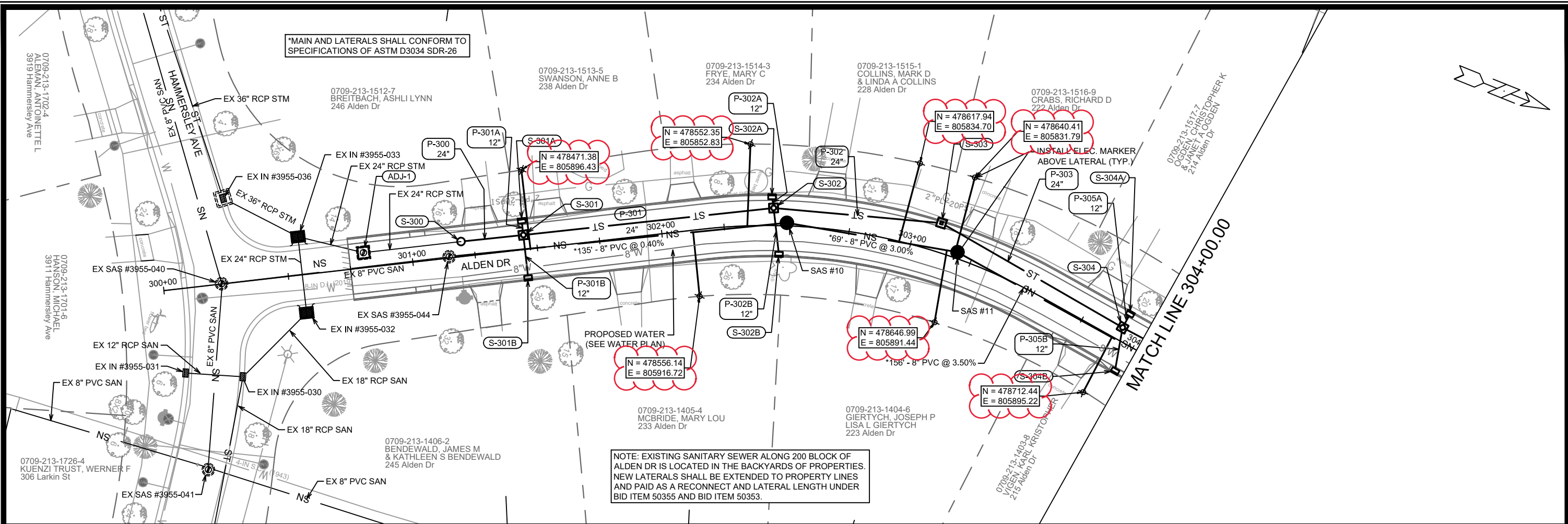
LATERAL ALREADY RELOCATED TO FRONT



DATE	7/22/21	BY	KDF
REVISION	1	DATE	7/22/21
SCALE	AS SHOWN	DATE	7/22/21
DESIGNED BY	ALZ	DATE	7/22/21
PROJECT NO.	12195	SCALE	AS SHOWN

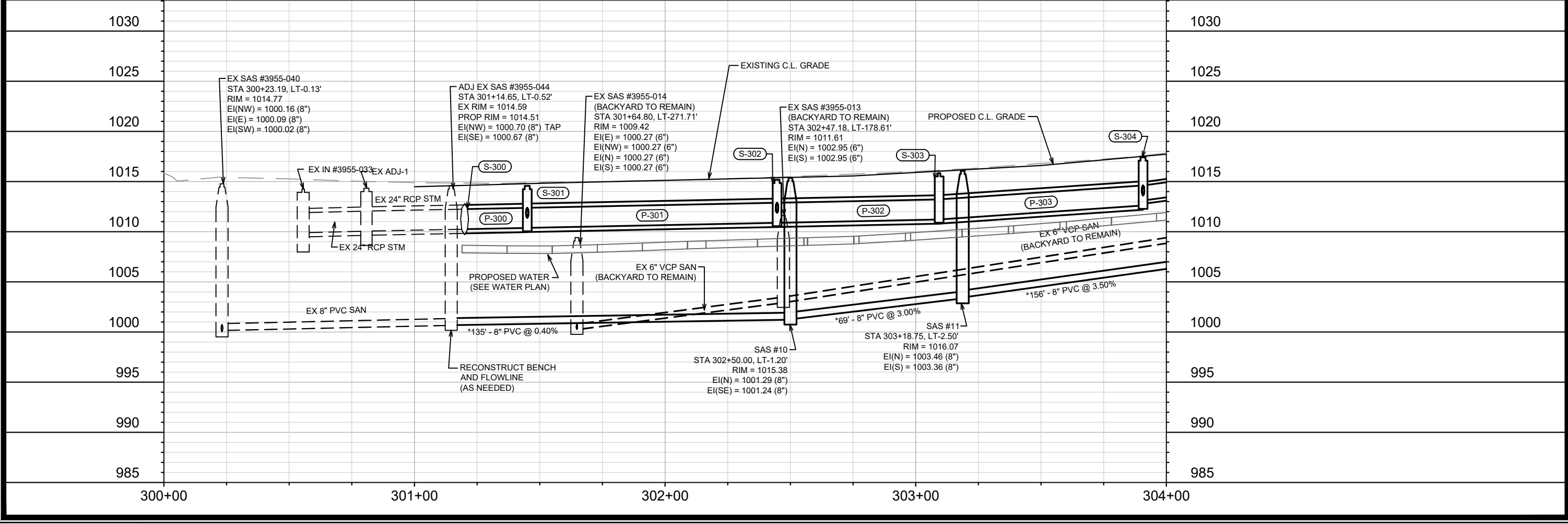
12195
MADISON, WI
CONTRACT NO.: 8561
SEWER PLAN AND PROFILE - STANDISH CT
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT

12195
U-4



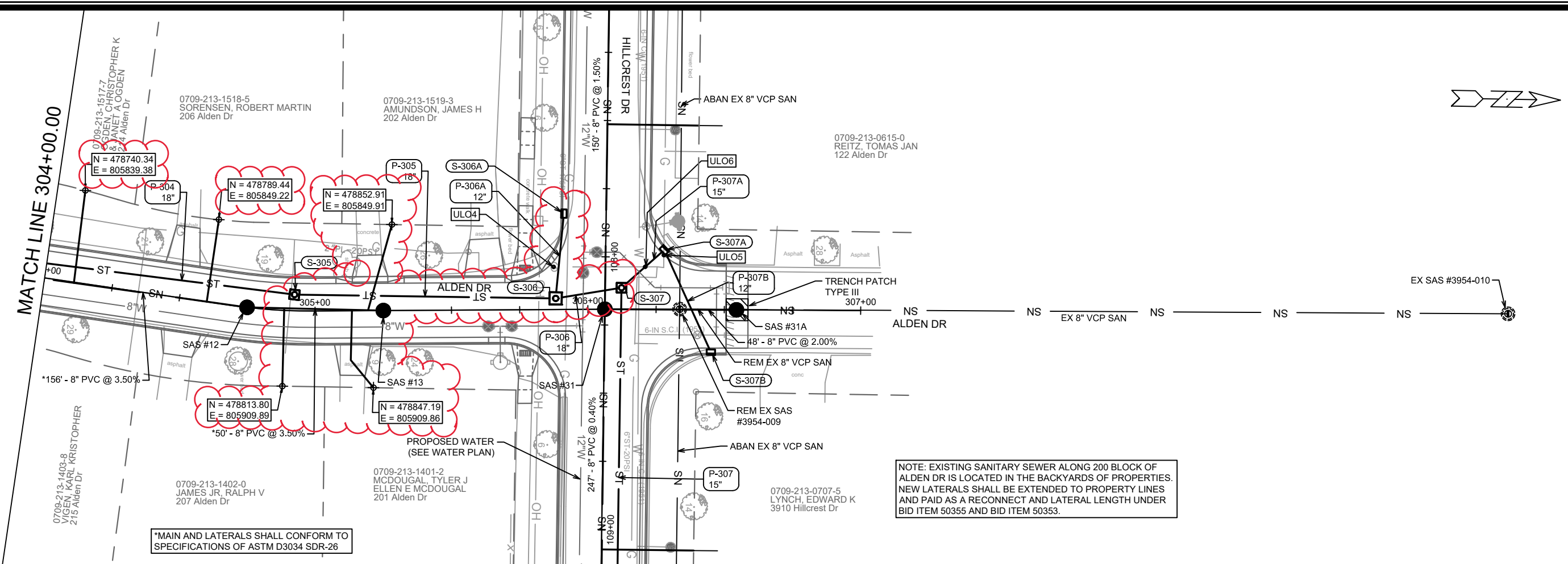
*MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D3034 SDR-26

NOTE: EXISTING SANITARY SEWER ALONG 200 BLOCK OF ALDEN DR IS LOCATED IN THE BACKYARDS OF PROPERTIES. NEW LATERALS SHALL BE EXTENDED TO PROPERTY LINES AND PAID AS A RECONNECT AND LATERAL LENGTH UNDER BID ITEM 50355 AND BID ITEM 50353.



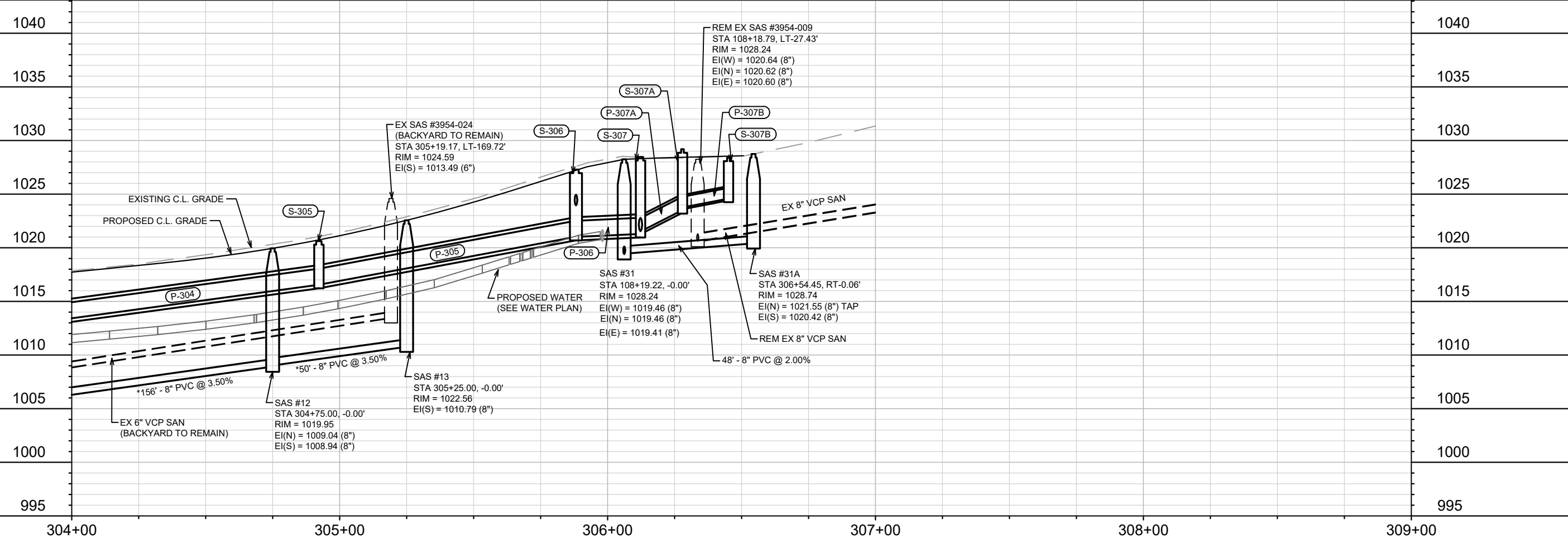
DATE	6/24/21	BY	KDF
REVISION			
SCALE	#/###/###		
DESIGNED BY	ALZ	DATE	6/24/2021 3:42 PM
PROJECT NO.	12195	CONTRACT NO.	8561
SEWER PLAN AND PROFILE - ALDEN DR		HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI	
12195		U-5	

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*MAIN AND LATERALS SHALL CONFORM TO SPECIFICATIONS OF ASTM D3034 SDR-26

NOTE: EXISTING SANITARY SEWER ALONG 200 BLOCK OF ALDEN DR IS LOCATED IN THE BACKYARDS OF PROPERTIES. NEW LATERALS SHALL BE EXTENDED TO PROPERTY LINES AND PAID AS A RECONNECT AND LATERAL LENGTH UNDER BID ITEM 50355 AND BID ITEM 50353.



DATE	BY
6/24/21	KDF
REVISION	
Scale: #####	
Date: 6/24/2021 3:42 PM	
Designed By: ALZ	
12195	

12195
 MADISON, WI
 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 CONTRACT NO: 8561

SEWER PLAN AND PROFILE - ALDEN DR

12195

U-6

SANITARY SEWER SCHEDULE

*REV 7/22/21 KDF

HILLCREST, STANDISH, & ALDEN RECON	SHEET NO.
PROJECT NO. 12195	U-7
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
HILLCREST DRIVE						
SAS #20	102+05.64	LT-3.30	1020.75	1013.04	7.71	-
SAS #21	103+79.23	CL	1027.10	1018.78	8.32	-
SAS #22	104+93.16	CL	1030.41	1022.57	7.84	-
SAS #30	110+65.84	LT-0.46	1026.17	1018.37	7.80	-
SAS #31	108+19.22	CL	1028.24	1019.41	8.83	-
SAS #32	106+69.22	CL	1031.80	1021.71	10.09	-
STANDISH COURT						
SAS #1	202+66.88	RT-2.50	1010.41	996.37	14.04	-
SAS #2	203+51.04	RT-1.33	1012.95	996.74	16.21	-
* SAS #3	205+00.00	CL	1019.52	1006.96	12.56	-
* SAS #4	205+75.00	CL	1025.63	1010.48	15.15	-
SAS #23	208+25.00	CL	1036.03	1025.64	10.39	-
SAS #24	209+50.00	CL	1037.34	1027.58	9.76	-
SAS #25	210+97.99	LT-12.68	1039.37	1029.14	10.23	-
ALDEN DRIVE						
SAS #10	302+50.00	LT-1.20	1015.38	1001.24	14.14	-
SAS #11	303+18.75	LT-2.50	1016.07	1003.36	12.71	-
SAS #12	304+75.00	CL	1019.95	1008.94	11.01	-
SAS #13	305+25.00	CL	1022.56	1010.79	11.77	-
SAS #31A	306+54.45	RT-0.06	1028.74	1020.42	8.32	-

SANITARY STRUCTURES ADJUSTMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	PROP ELEV.	ADJUST DIFF.	NOTES
STANDISH COURT						
SAS #3955-043	201+67.47	RT-0.46	1008.00	1008.04	0.04	-
ALDEN DRIVE						
SAS #3955-044	301+14.65	LT-0.52	1014.59	1014.58	-0.01	-

SANITARY STRUCTURE REMOVALS & ABANDONMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
HILLCREST DRIVE						
SAS #3954-004	102+05.64	LT-3.30	1020.84	1013.04	7.80	REMOVE
SAS #3954-005	104+92.53	LT-3.67	1030.55	1025.19	5.36	REMOVE
SAS #3954-008	106+69.54	LT-26.66	1032.35	1023.25	9.10	ABANDON
SAS #3954-009	108+18.79	LT-27.43	1028.24	1020.60	7.64	REMOVE
SAS #3954-012	110+70.32	LT-27.79	1028.04	1019.40	8.64	ABANDON
STANDISH COURT						
SAS #3954-006	209+37.69	RT-7.73	1037.35	1029.29	8.06	REMOVE
SAS #3954-007	211+09.17	LT-15.44	1039.61	1031.57	8.04	REMOVE

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
HILLCREST DRIVE								
SAS #3854-043	SAS #20	1010.60	1013.04	46	5.35%	8"	SDR-35	-
SAS #20	SAS #21	1013.14	1018.78	174	3.25%	8"	SDR-35	-
SAS #21	SAS #22	1018.88	1022.57	114	3.25%	8"	SDR-35	-
SAS #3954-013	SAS #30	1018.15	1018.37	55	0.40%	8"	SDR-35	-
SAS #30	SAS #31	1018.42	1019.41	247	0.40%	8"	SDR-35	-
SAS #31	SAS #32	1019.46	1021.71	150	1.50%	8"	SDR-35	-
STANDISH COURT								
SAS #3955-043	SAS #1	995.97	996.37	100	0.40%	8"	SDR-26	-
SAS #1	SAS #2	996.40	996.74	84	0.40%	8"	SDR-26	-
* SAS #2	SAS #3	996.79	1006.96	149	6.82%	8"	SDR-26	-
* SAS #3	SAS #4	1007.06	1010.48	75	4.56%	8"	SDR-26	-
SAS #22	SAS #23	1022.67	1025.64	198	1.50%	8"	SDR-35	-
SAS #23	SAS #24	1025.74	1027.58	123	1.50%	8"	SDR-35	-
SAS #24	SAS #25	1027.68	1029.14	146	1.00%	8"	SDR-35	-
ALDEN DRIVE								
SAS #3955-044	SAS #10	1000.70	1001.24	135	0.40%	8"	SDR-26	-
SAS #10	SAS #11	1001.29	1003.36	69	3.00%	8"	SDR-26	-
SAS #11	SAS #12	1003.46	1008.94	156	3.50%	8"	SDR-26	-
SAS #12	SAS #13	1009.04	1010.79	50	3.50%	8"	SDR-26	-
SAS #31	SAS #31A	1019.46	1020.42	48	2.00%	8"	SDR-35	-

SANITARY PIPES REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PAY LGTH (FT)	PIPE TYPE	PAID (Y/N)	NOTES
HILLCREST DRIVE						
SAS #3854-043	SAS #3954-004	42	0	8"	VCP	N REMOVE
SAS #3954-004	SAS #3954-005	280	280	8"	VCP	Y REMOVE
SAS #3954-013	SAS #3954-012	64	64	8"	VCP	Y REMOVE
SAS #3954-012	SAS #3954-009	248	10	8"	VCP	N [1], ABAN W/ PLUGS (PLUGS INCIDENTAL)
SAS #3954-009	SAS #3954-008	146	10	8"	VCP	N [1], ABAN W/ PLUGS (PLUGS INCIDENTAL)
STANDISH COURT						
SAS #3954-005	SAS #3954-006	303	303	8"	VCP	Y ABAN W/ SLURRY
SAS #3954-006	SAS #3954-007	168	0	8"	VCP	N REMOVE
ALDEN DRIVE						
SAS #3954-009	SAS #31A	15	0	8"	VCP	N REMOVE

SPECIFIC NOTES

[1] CONTRACTOR SHALL REMOVE AND BE PAID FOR REMOVAL OF PIPE UNDER NEW PAVEMENT AND CURB.

STORM SEWER SCHEDULE

*REV 6/24/21 KDF

HILLCREST, STANDISH, & ALDEN RECON PROJECT NO. 12195	SHEET NO. U-8
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
HILLCREST DRIVE							
S-100	101+74.07	LT-17.90	TAP	-	1015.81	-	-
S-101	103+36.49	LT-9.07	3X3 SAS	1025.70	1020.85	4.85	W/R-1550-0054
S-101A	103+36.48	RT-17.50	H INLET	1025.11	1021.23	3.88	W/R-3067-7004-V
S-102	103+74.38	LT-16.51	H INLET	1027.74	1023.72	4.02	W/R-3067-7004-V
S-306A	107+84.36	RT-15.50	H INLET	1028.69	1025.69	3.00	W/R-3067-7004-V
S-308	110+71.75	LT-6.00	3X3 SAS	1026.20	1022.84	3.36	W/R-1550-0054
S-308A	110+75.00	RT-15.50	H INLET	1026.08	1023.20	2.88	FP, LP, W/R-3067-7004-VB
* S-308B	110+75.00	LT-15.50	H INLET	1026.64	1023.59	3.05	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
HILLCREST DRIVE										
P-100	S-100	S-101	1015.81	1020.85	163	159.7	3.16%	15"	TYPE II	-
P-101	S-101	S-102	1021.10	1023.72	37.5	34.5	7.60%	12"	TYPE II	-
P-101A	S-101	S-101A	1021.10	1021.23	26.5	24.1	0.54%	12"	TYPE II	-
P-306A	S-306	S-306A	1023.95	1025.69	31.5	28.1	6.19%	12"	RCP	-
P-307	S-307	S-308	1021.54	1022.84	260.5	257.5	0.50%	15"	RCP	-
P-308A	S-308	S-308A	1023.09	1023.20	22	19.2	0.57%	12"	RCP	-
* P-308B	S-308	S-308B	1023.09	1023.59	11	8.4	5.98%	12"	RCP	-
STANDISH COURT										
P-200	S-200	S-201	1002.86	1004.73	93.5	90.6	2.06%	24"	TYPE II	-
P-201	S-201	S-202	1004.73	1006.17	52.5	49.3	2.92%	24"	TYPE II	-
P-201A	S-201	S-201A	1005.73	1006.08	20	17.4	2.02%	12"	RCP	-
P-202	S-202	S-203	1006.67	1008.69	67.5	64.4	3.14%	18"	TYPE II	-
P-202A	S-202	S-202A	1007.17	1007.42	25	22.0	1.14%	12"	RCP	-
P-203	S-203	S-204	1008.69	1015.17	123	119.9	5.40%	18"	RCP	-
P-204	S-204	S-205	1015.17	1024.79	113.5	110.4	8.72%	18"	RCP	-
P-204A	S-204	S-204A	1015.67	1015.76	18	15.1	0.60%	12"	RCP	-
P-204B	S-204	S-204B	1015.67	1015.70	5.5	2.9	1.03%	12"	TYPE II	-
P-205	S-205	S-206	1025.04	1026.38	44	40.3	3.33%	15"	TYPE II	-
P-205A	S-205	S-205A	1026.36	1026.95	29.5	26.6	2.22%	12"	RCP	-
P-206	S-206	S-207	1026.38	1026.77	39.5	36.2	1.08%	15"	RCP	-
P-207	S-207	S-208	1027.02	1027.08	6	3.0	1.99%	12"	TYPE II	-

STORM SEWER ULOs (5 ADDITIONAL INDISTRIBUTED ULOs INCLUDED)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
HILLCREST DRIVE					
* ULO1	105+01.90	LT-27.25	8" STEEL GAS	1027.38	[1], CONFLICT
* ULO2	105+09.85	LT-27.50	8" STEEL GAS	1027.51	[1], CONFLICT
* ULO3	104+65.60	LT-44.50	3" STEEL GAS	1027.16	OK
* ULO4	108+03.35	RT-18.50	6" STEEL GAS	1023.96	OK, BTM STM = 1024.46
* ULO5	107+99.40	LT-20.60	8" STEEL GAS	1025.09	[1], CONFLICT
* ULO6	108+02.75	LT-14.50	6" STEEL GAS	1024.90	OK, TOP STM = 1024.16
* ULO7	110+73.15	LT-12.10	8" STEEL GAS	1023.04	CONFLICT, STM REVISED

NOTE: 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.

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, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

SPECIFIC NOTES

- * [1] UTILITY RELOCATE TO RESOLVE CONFLICT.

STORM SEWER SCHEDULE

*REV 6/24/21 KDF

HILLCREST, STANDISH, & ALDEN RECON	SHEET NO.
PROJECT NO. 12195	U-9
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
ALDEN DRIVE							
S-300	301+20.00	LT-6.00	COLLAR	-	1010.25	-	-
S-301	301+45.00	LT-5.77	3X3 SAS	1014.56	1010.38	4.18	W/R-1550-0054
S-301A	301+45.00	LT-11.50	H INLET	1014.66	1011.41	3.25	LP, W/R-3067-7004-VB
S-301B	301+45.00	RT-11.50	H INLET	1015.02	1011.47	3.55	LP, W/R-3067-7004-VB
S-302	302+44.66	LT-7.00	3X3 SAS	1015.17	1010.88	4.29	W/R-1550-0054
S-302A	302+44.03	LT-11.50	H INLET	1015.29	1011.90	3.39	W/R-3067-7004-V
S-302B	302+47.14	RT-11.50	H INLET	1015.71	1011.97	3.74	W/R-3067-7004-V
S-303	303+09.34	LT-11.50	3X3 SAS	1015.84	1011.22	4.62	W/R-3067-7004-V
S-304	303+90.71	LT-5.18	3X3 SAS	1017.41	1012.61	4.80	W/R-1550-0054
S-304A	303+90.71	LT-11.50	H INLET	1017.51	1013.67	3.84	W/R-3067-7004-V
S-304B	303+96.56	RT-11.50	H INLET	1018.16	1013.79	4.37	W/R-3067-7004-V
S-305	304+92.25	LT-5.93	3X3 SAS	1020.62	1016.55	4.07	W/R-1550-0054
* S-306	305+88.20	LT-4.09	3X3 SAS	1027.29	1021.02	6.27	W/R-1550-0054
S-307	306+12.29	LT-7.90	3X3 SAS	1028.46	1021.29	7.17	W/R-1550-0054
S-307A	306+27.96	LT-21.83	H INLET	1029.19	1023.51	5.68	LP, W/R-3067-7004-VB
S-307B	306+45.13	RT-15.62	H INLET	1028.41	1024.58	3.83	W/R-3067-7004-V

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
ALDEN DRIVE										
P-300	S-300	S-301	1010.25	1010.38	25	23.5	0.55%	24"	RCP	-
P-301	S-301	S-302	1010.38	1010.88	100.5	97.5	0.51%	24"	RCP	-
P-301A	S-301	S-301A	1011.38	1011.41	6	3.2	0.93%	12"	RCP	-
P-301B	S-301	S-301B	1011.38	1011.47	17.5	14.8	0.61%	12"	RCP	-
P-302	S-302	S-303	1010.88	1011.22	67.5	64.2	0.53%	24"	RCP	-
P-302A	S-302	S-302A	1011.88	1011.90	5	2.1	0.98%	12"	RCP	-
P-302B	S-302	S-302B	1011.88	1011.97	19	16.1	0.56%	12"	RCP	-
P-303	S-303	S-304	1011.22	1012.61	83.5	80.4	1.73%	24"	RCP	-
P-304	S-304	S-305	1013.11	1016.55	101	97.9	3.51%	18"	RCP	-
P-304A	S-304	S-304A	1013.61	1013.67	6.5	3.8	1.57%	12"	RCP	-
P-304B	S-304	S-304B	1013.61	1013.79	18	15.0	1.20%	12"	TYPE II	-
* P-305	S-305	S-306	1016.55	1021.02	96	92.3	4.84%	18"	RCP	-
* P-306	S-306	S-307	1021.02	1021.29	24.5	20.9	1.29%	18"	TYPE II	-
P-307A	S-307	S-307A	1021.52	1023.51	21	18.0	11.05%	15"	TYPE II	-
P-307B	S-307A	S-307B	1023.76	1024.58	41.5	38.5	2.13%	12"	TYPE II	-

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	STATION	LOCATION (OFFSET)	TYPE	EX. TOC ELEV.	PROP ELEV.	ADJUST DIFF.	NOTES
ALDEN DRIVE							
ADJ-1	300+80.83	LT-6.00	SAS	1014.33	1014.26	0.07	-

P-307A	S-307	S-307A	1021.52	1023.51	21	18.0	11.05%	15"	TYPE II	-
P-307B	S-307A	S-307B	1023.76	1024.58	41.5	38.5	2.13%	12"	TYPE II	-

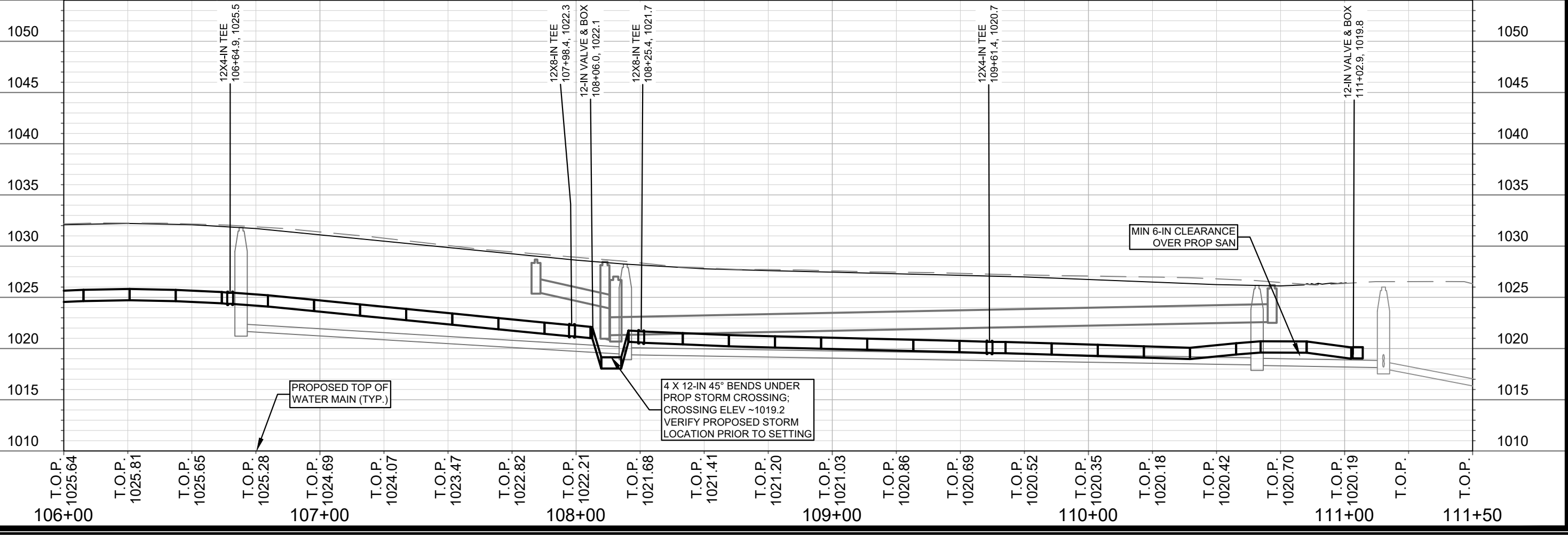
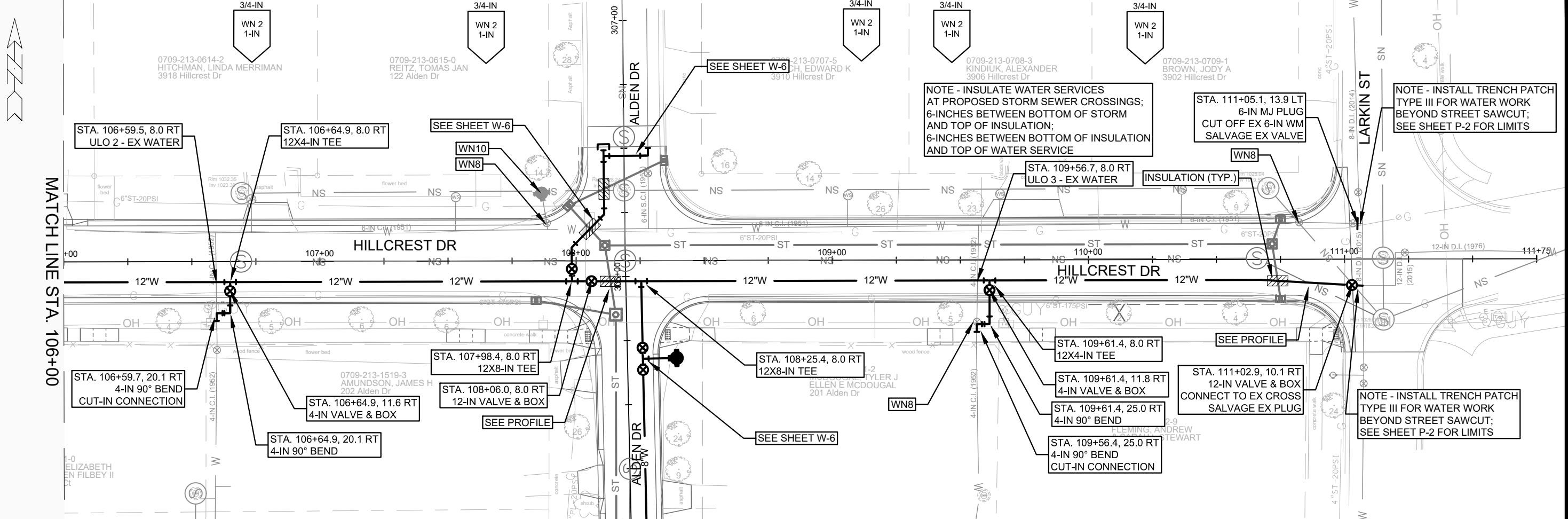
NOTE: PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.

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, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

NOTE: 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.

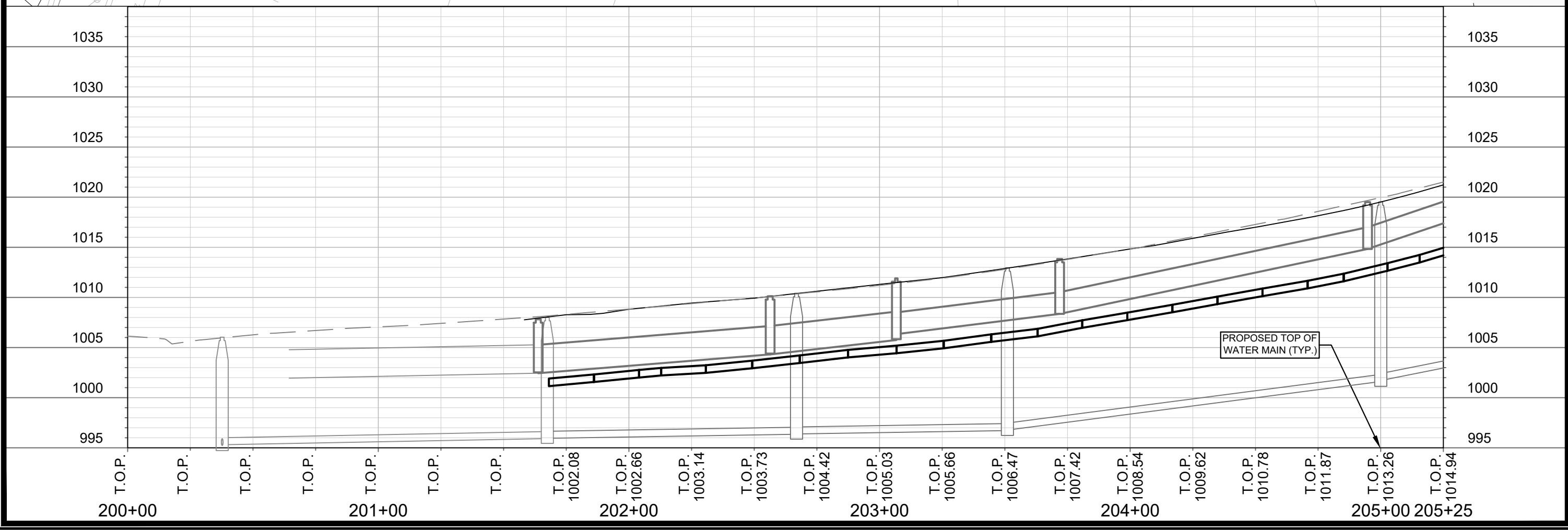
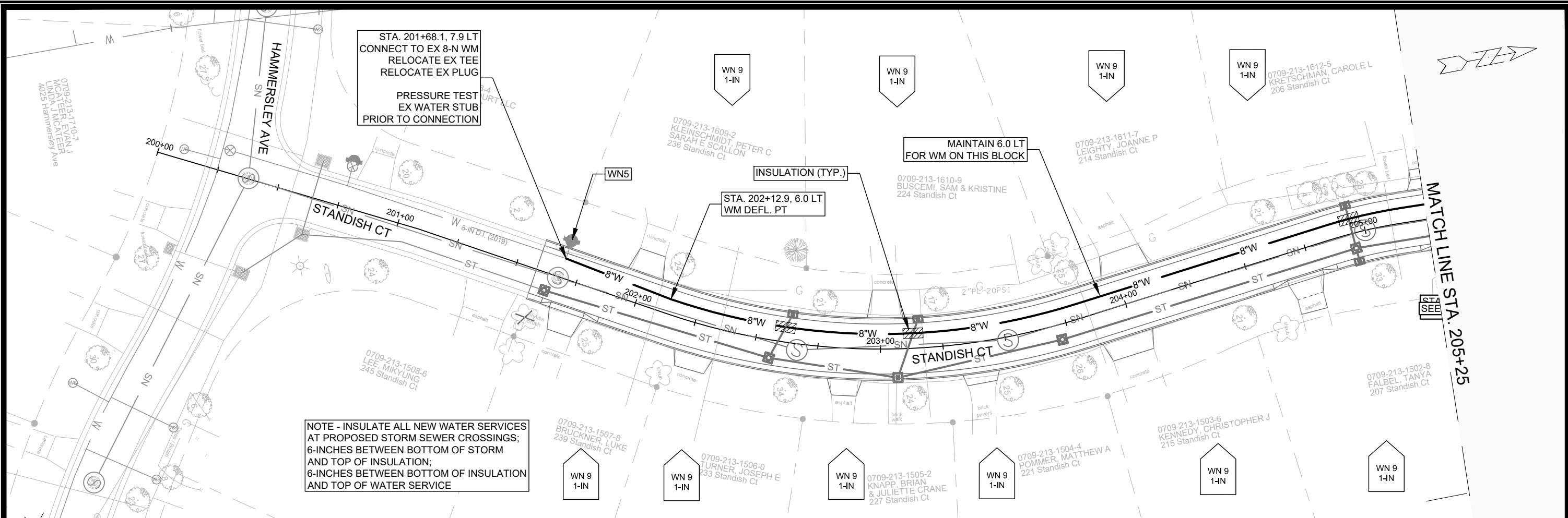
SPECIFIC NOTES



12195
 WATER PLAN AND PROFILE - HILLCREST DRIVE
 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 MADISON, WI
 CONTRACT NO: 8561
 W-2

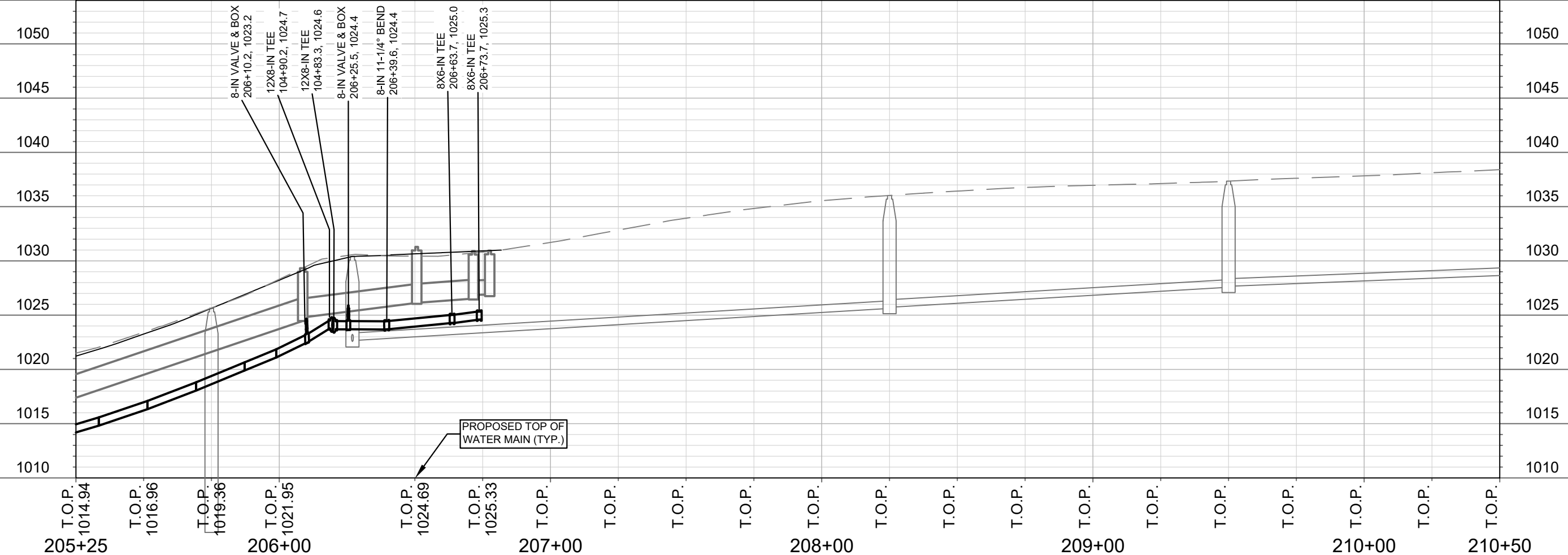
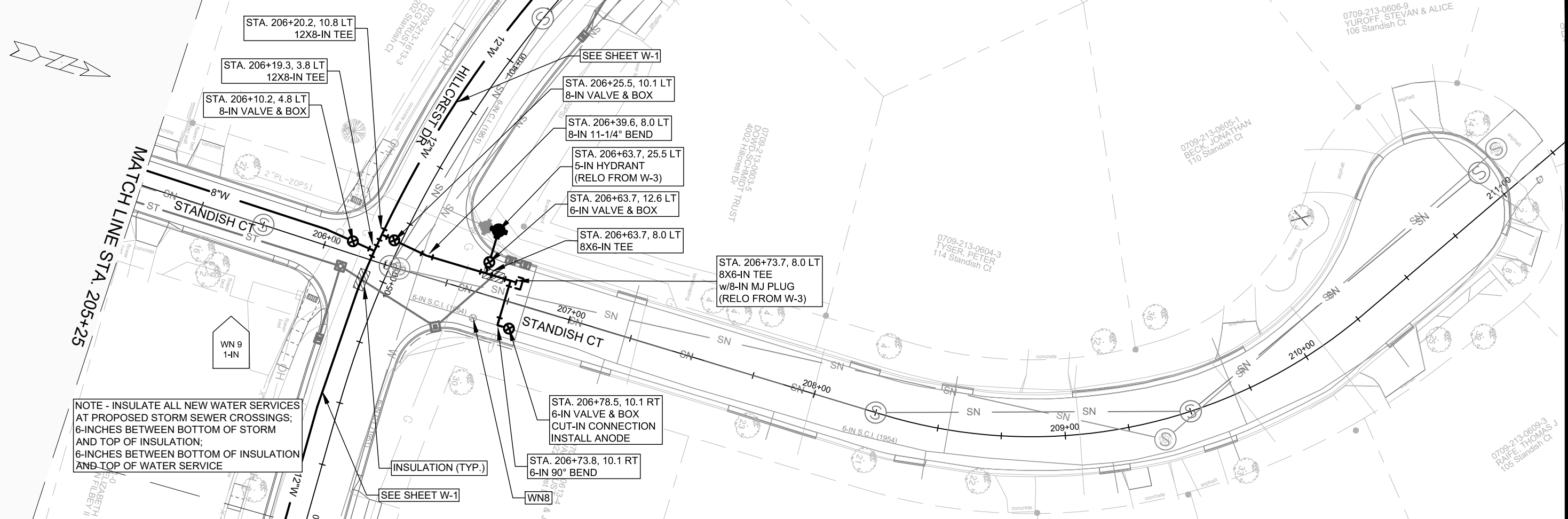
City of Madison Wisconsin logo

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 W-2



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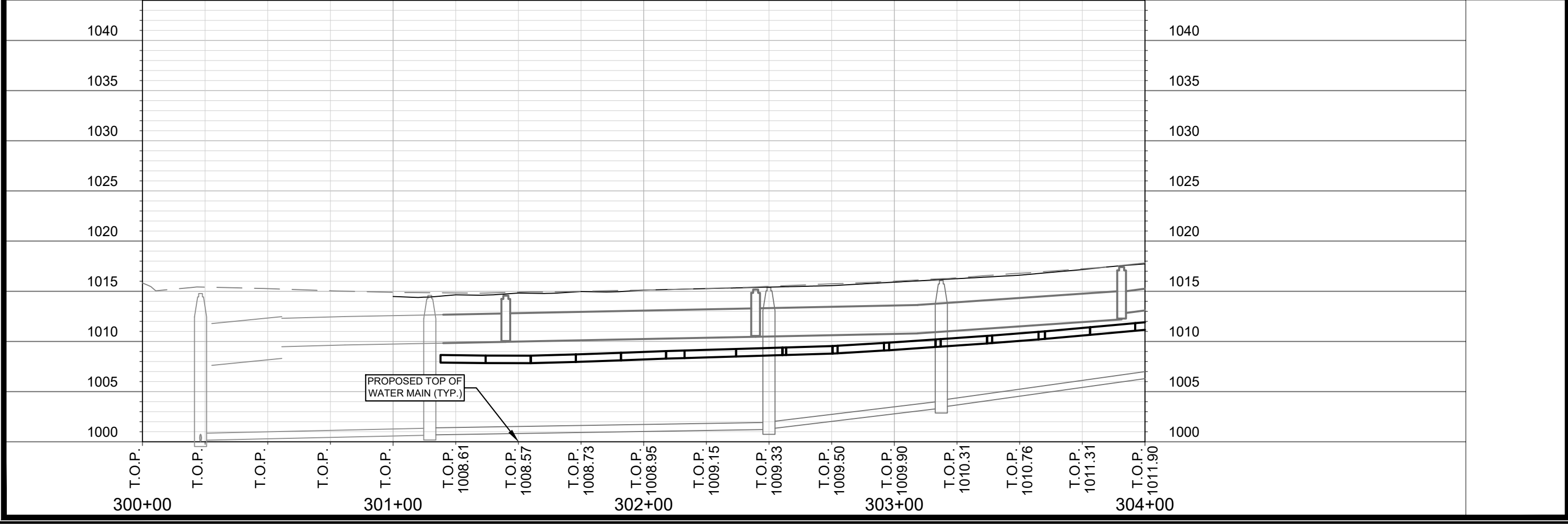
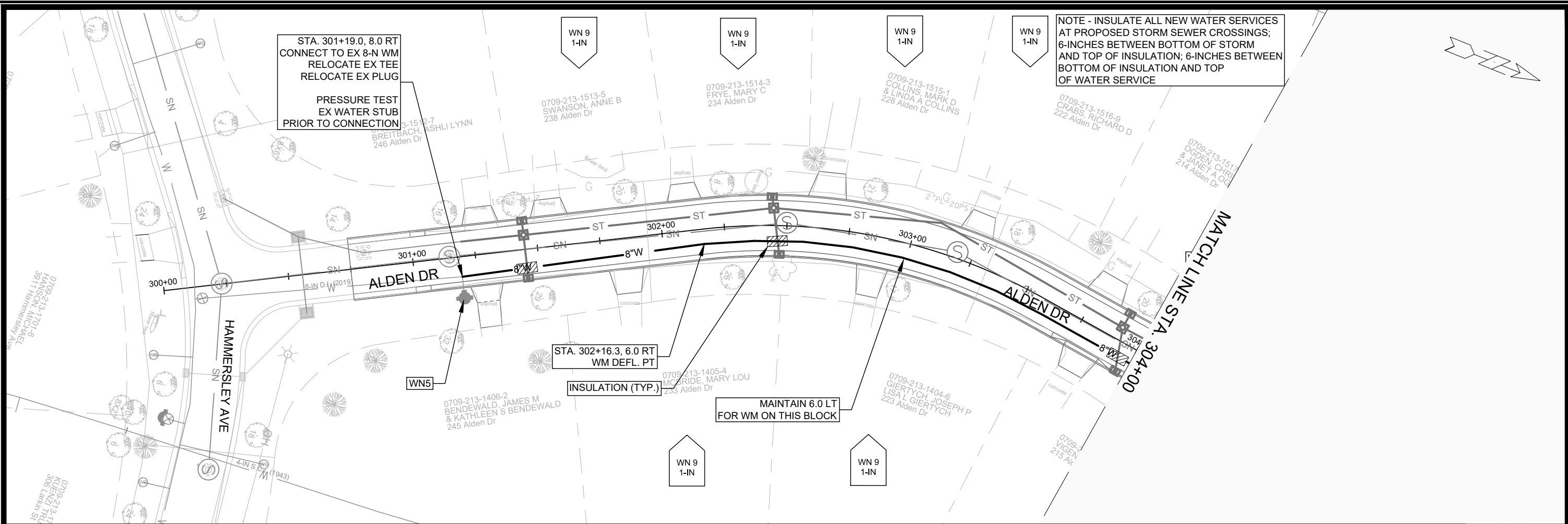
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W-3




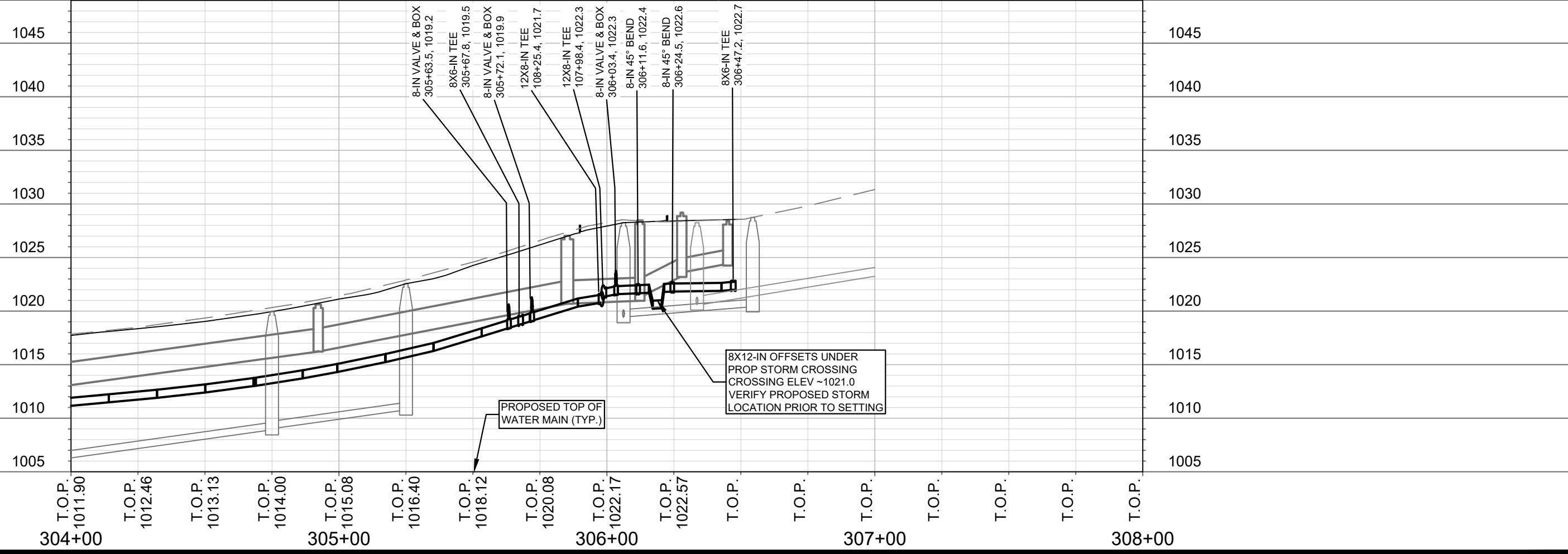
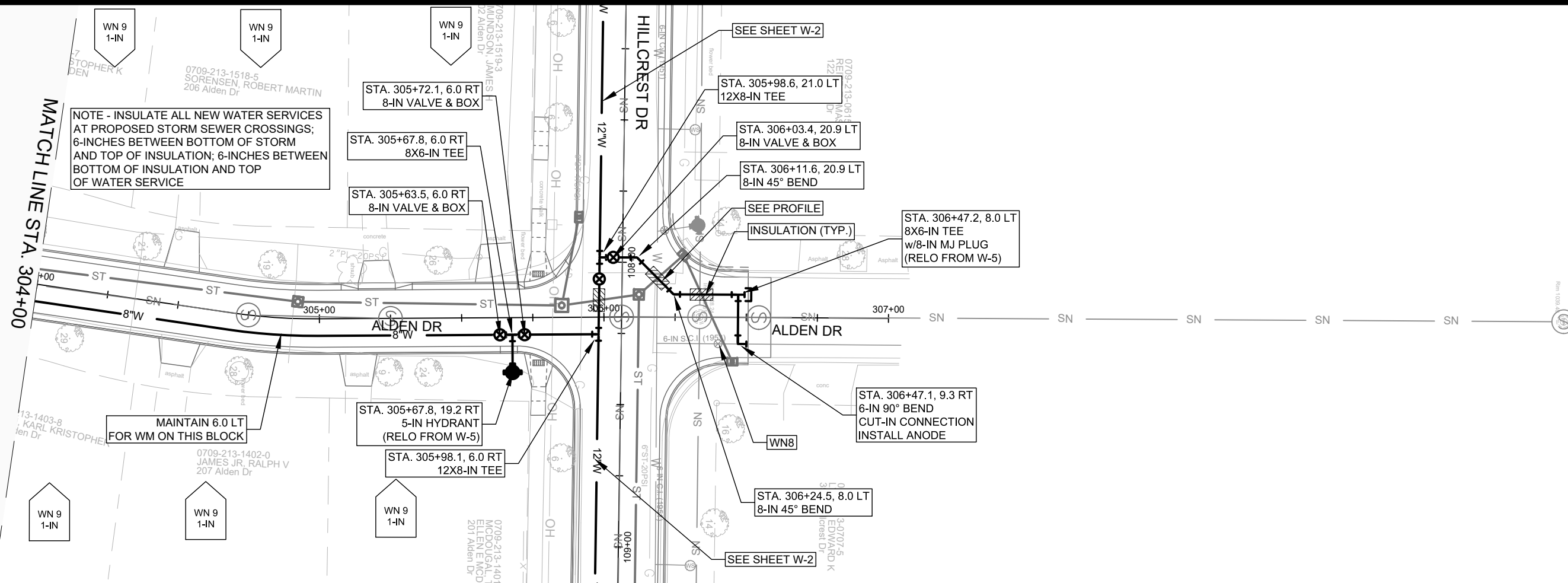
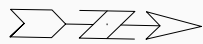
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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 MADISON, WI
 CONTRACT NO: 8561

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 City of Madison Wisconsin logo
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WATER PLAN AND PROFILE - ALDEN DRIVE	HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT	MADISON, WI
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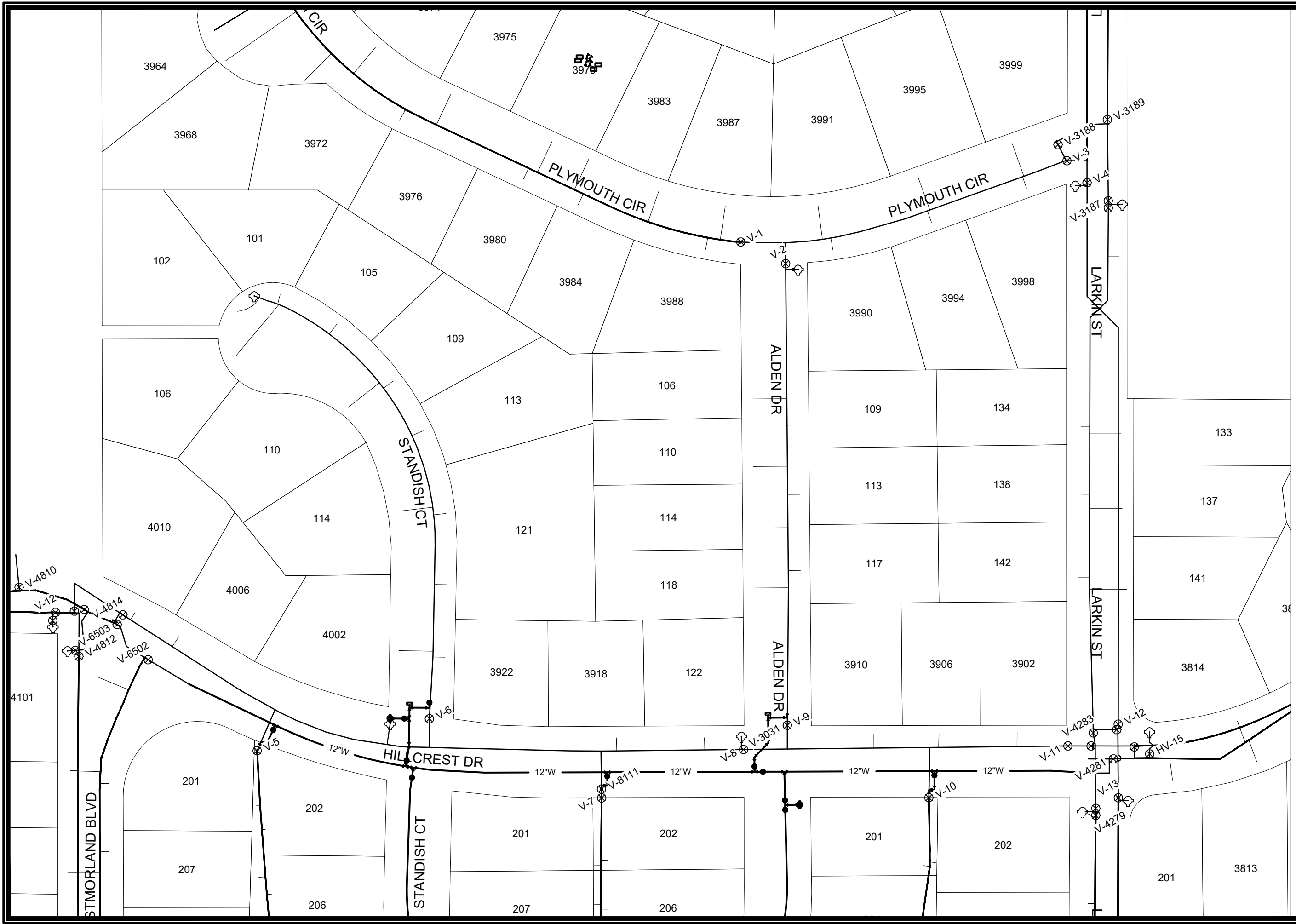


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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI
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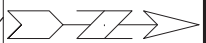


DISCLAIMER NOTE:
 THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
 TO AID PLANNING CONNECTION POINT ISOLATION AND PREPARING
 NOTIFICATION LISTS DURING PLANNED OUTAGES. REQUEST ANY
 ALTERNATIVE CONNECTION METHODS IN WRITING, PER SPECS.

SCALE: 1" = 80'
 DESIGNED BY: PEH
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 4/9/21

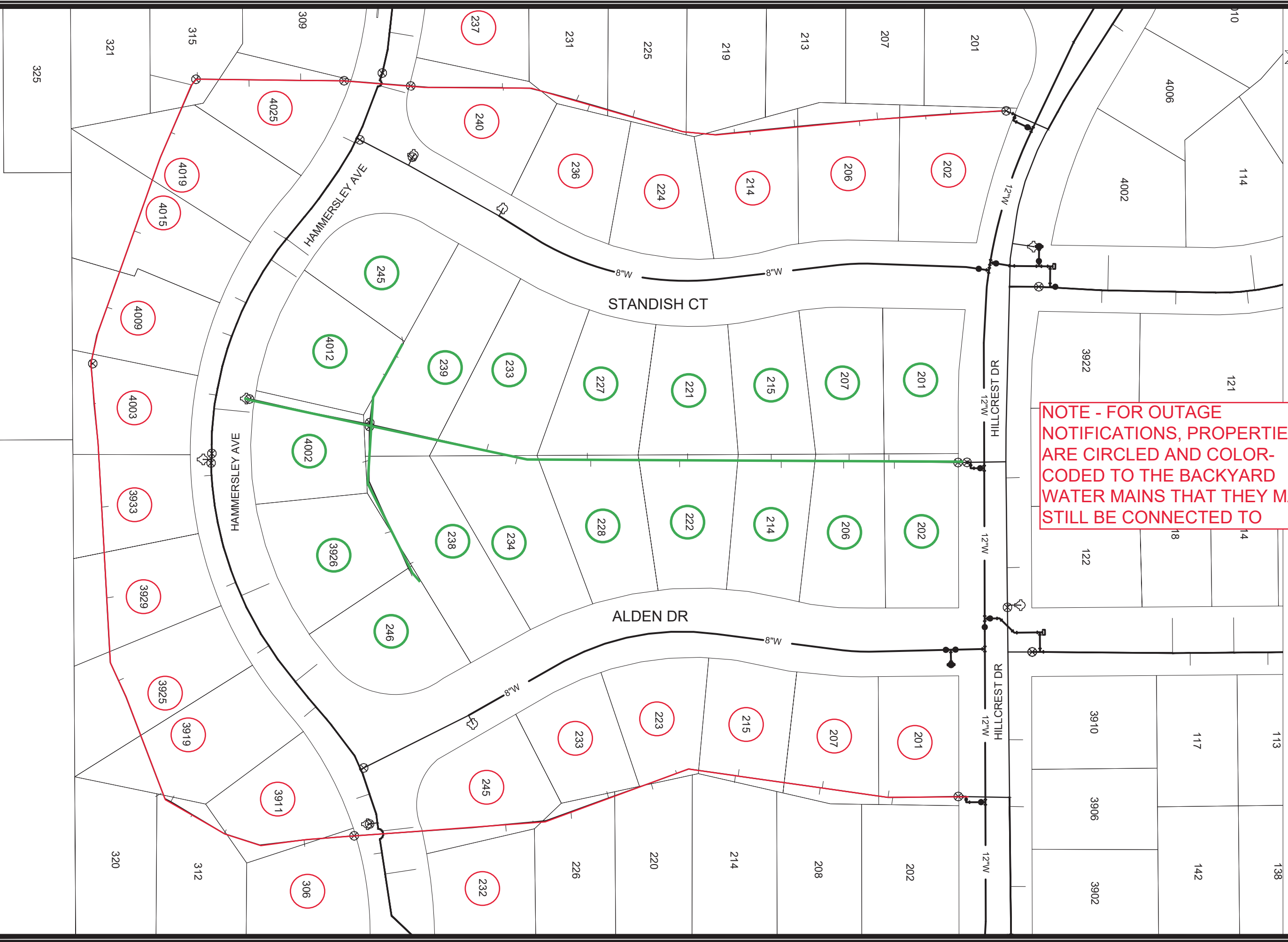
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 WATER IMPACT PLAN WATER SHEETS
CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8561

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 W-7



NOTE - FOR OUTAGE NOTIFICATIONS, PROPERTIES ARE CIRCLED AND COLOR-CODED TO THE BACKYARD WATER MAINS THAT THEY MAY STILL BE CONNECTED TO

SEE SPECIFICATIONS FOR CONNECTIONS TO EXISTING WATER MAINS. ANY PROPERTY NOT CIRCLED IS NOT TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN GREEN IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN RED IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN BLACK IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN BLUE IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN YELLOW IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN PINK IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN PURPLE IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN BROWN IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN GREY IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT BLUE IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT GREEN IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT RED IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT PINK IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT PURPLE IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT BROWN IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT GREY IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT LIGHT BLUE IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT LIGHT GREEN IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT LIGHT RED IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT LIGHT PINK IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT LIGHT PURPLE IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT LIGHT BROWN IS TO BE NOTIFIED FOR OUTAGE. PROPERTY CIRCLED IN LIGHT LIGHT GREY IS TO BE NOTIFIED FOR OUTAGE.





CONSTRUCTION NOTES:

1. CONSTRUCT NEW WATER MAIN BELOW FINISHED GRADE AS NOTED IN THE PROFILES. INSULATE MAIN WITH POLYSTYRENE BOARD AT UTILITY CROSSINGS OR OTHER AREAS IDENTIFIED BY THE ENGINEER AS HAVING INADEQUATE COVER.
2. MINIMIZE DISRUPTIONS OF SERVICE TO EXISTING WATER CUSTOMERS. NOTIFY PER STANDARD SPECIFICATION REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
3. THE EXISTING UTILITIES SHOWN ON THESE PLANS REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN REPARATION. THE CONTRACTOR IS RESPONSIBLE OR HAVING EACH UTILITY LOCATED AND MARKED PRIOR TO COMMENCING WORK.

ESTIMATE OF NEW MATERIALS*

DESCRIPTION	QUANTITY	UNIT
FURNISH AND INSTALL 4-INCH PIPE & FITTINGS	40	LNFT
FURNISH AND INSTALL 6-INCH PIPE & FITTINGS	100	LNFT
FURNISH AND INSTALL 8-INCH PIPE & FITTINGS	1080	LNFT
FURNISH AND INSTALL 12-INCH PIPE & FITTINGS	880	LNFT
FURNISH AND INSTALL 4-INCH WATER VALVE	2	EACH
FURNISH AND INSTALL 6-INCH WATER VALVE	3	EACH
FURNISH AND INSTALL 8-INCH WATER VALVE	5	EACH
FURNISH AND INSTALL 12-INCH WATER VALVE	2	EACH
FURNISH AND INSTALL 1-INCH SERVICE LATERALS	24	EACH
RECONNECT 1-INCH SERVICE LATERAL	7	EACH
6-IN MJ PLUG	2	EACH
8-IN MJ PLUG	2	EACH
4-IN 90° BEND	4	EACH
6-IN 90° BEND	4	EACH
8-IN 45° BEND	2	EACH
12-IN 45° BEND	4	EACH
8-IN 11-1/4° BEND	1	EACH
8X6-IN TEE	2	EACH
12X4-IN TEE	2	EACH
12X6-IN TEE	1	EACH
12X8-IN TEE	4	EACH
8X18-IN OFFSET	2	EACH
12X18-IN OFFSET	2	EACH
STYROFOAM INSULATION BOARDS	30	EACH
ANODE	2	EACH

REUSED AND SALVAGED MATERIALS*

DESCRIPTION	QUANTITY	TYPE
5-IN HYDRANT	2	REUSE
8X6-IN TEE	2	REUSE
8-IN MJ PLUG	2	REUSE
5-IN HYDRANT	2	SALVAGE
12-IN MJ PLUG	1	SALVAGE
12-IN MJ CAP	1	SALVAGE

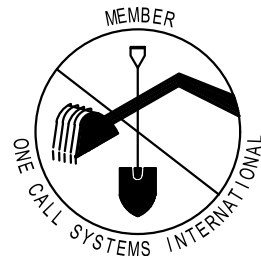
* ESTIMATES OF MATERIALS ARE FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

- 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.

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.

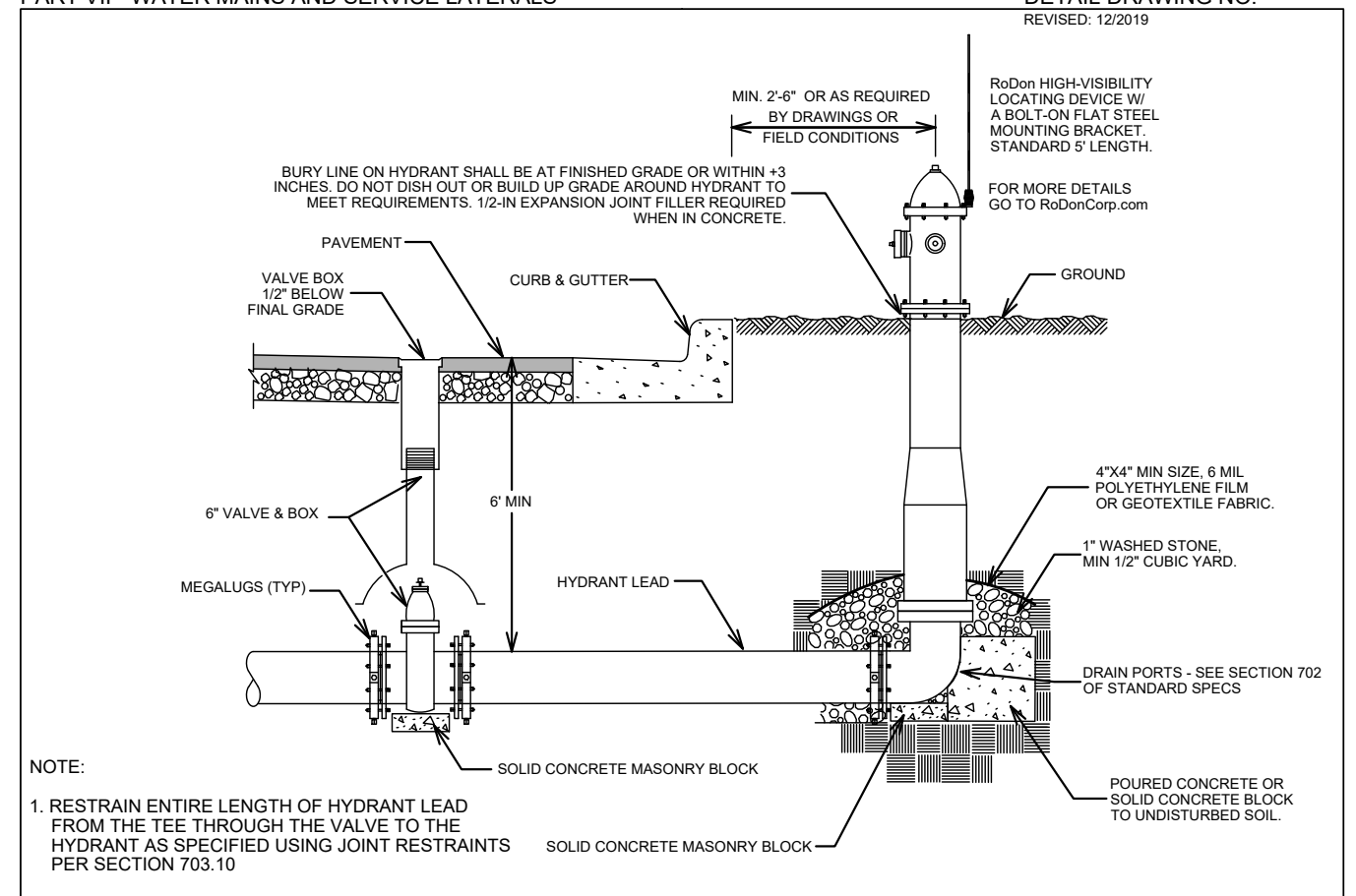
WATER UTILITY ULO SCHEDULE

ULO	UTILITY	SHEET
1	WATER	W-1
2	WATER	W-2
3	WATER	W-2

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2019



NOTE:

1. 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: PEH
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 4/9/21

HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT

WATER ESTIMATE OF MATERIALS

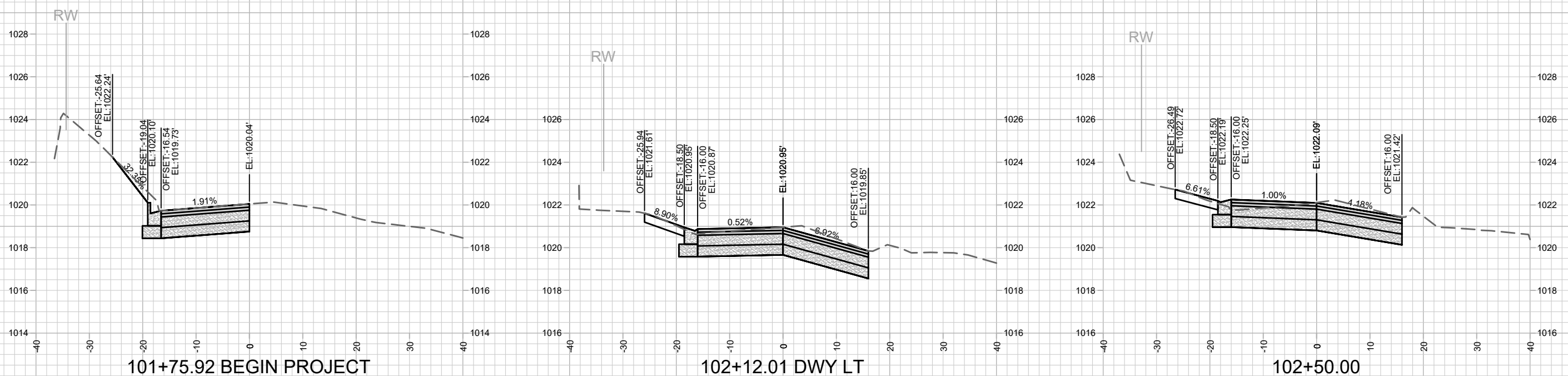
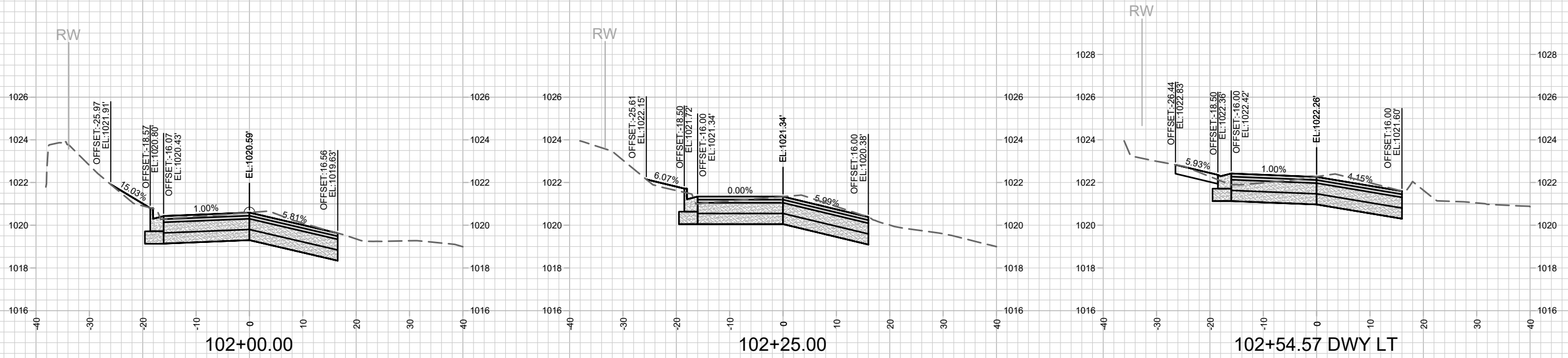
CITY OF MADISON, WISCONSIN

CONTRACT NO: 8561




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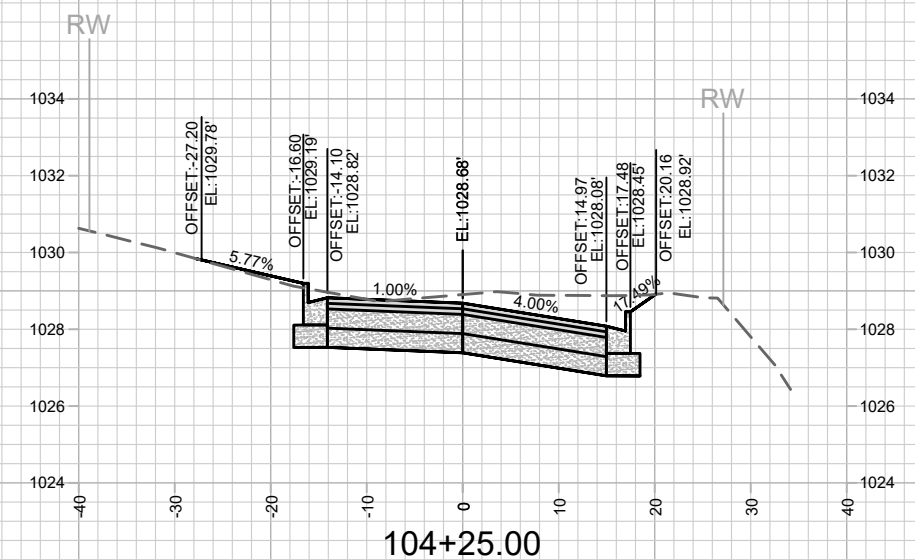
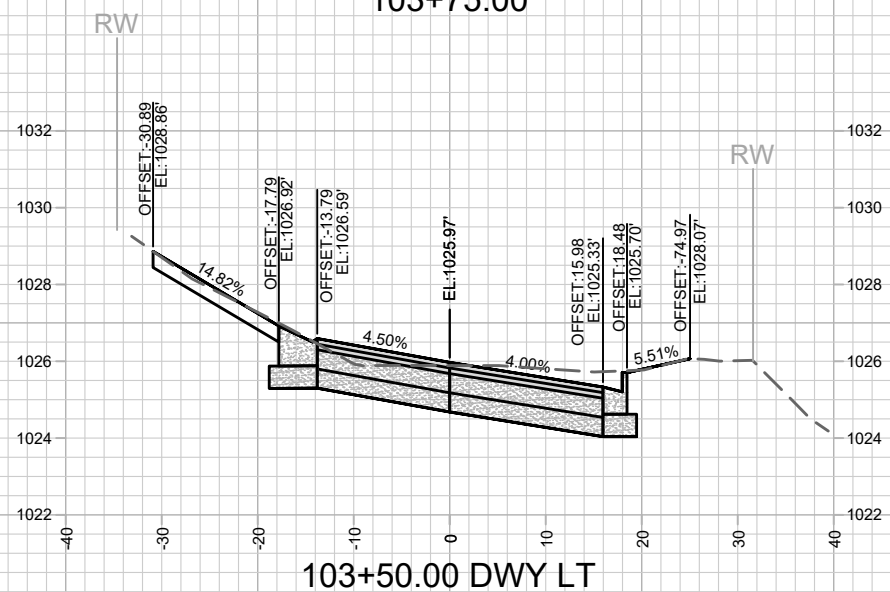
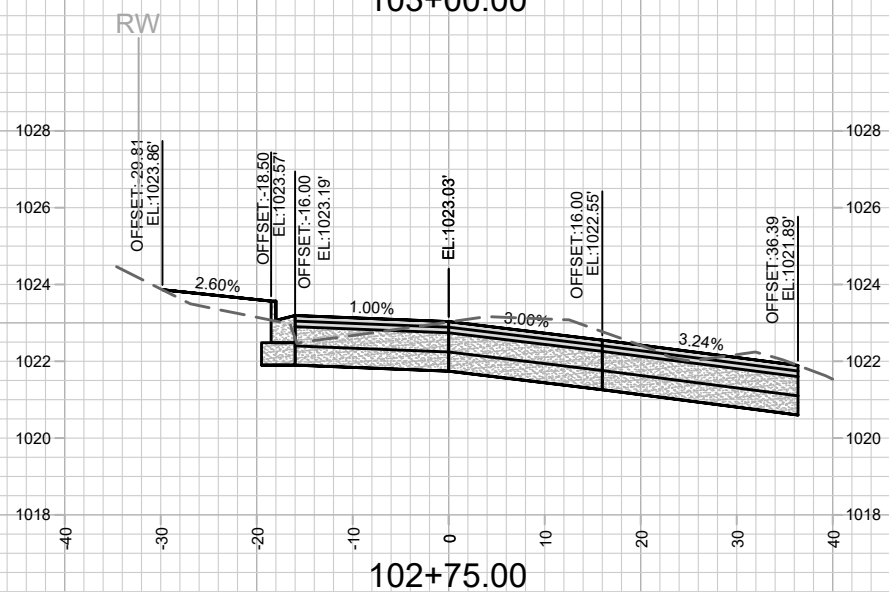
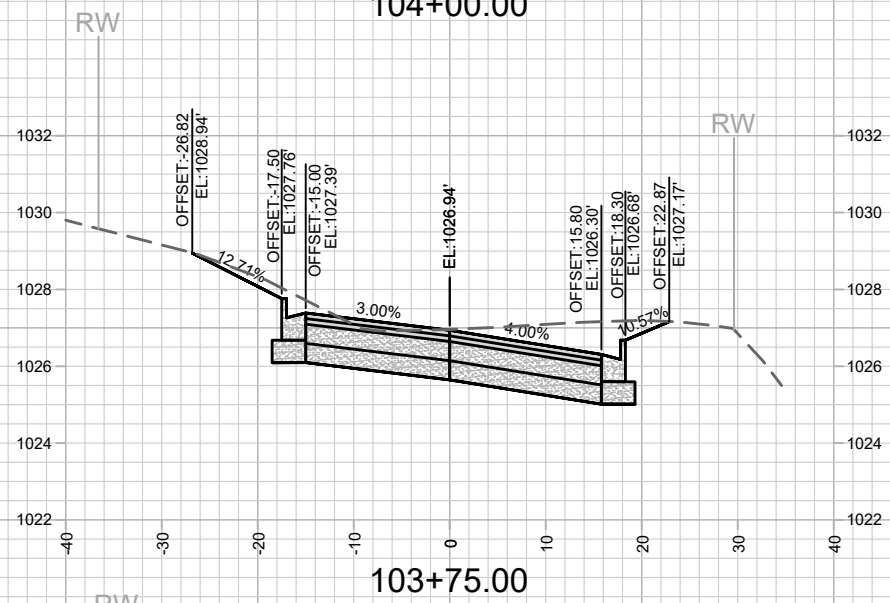
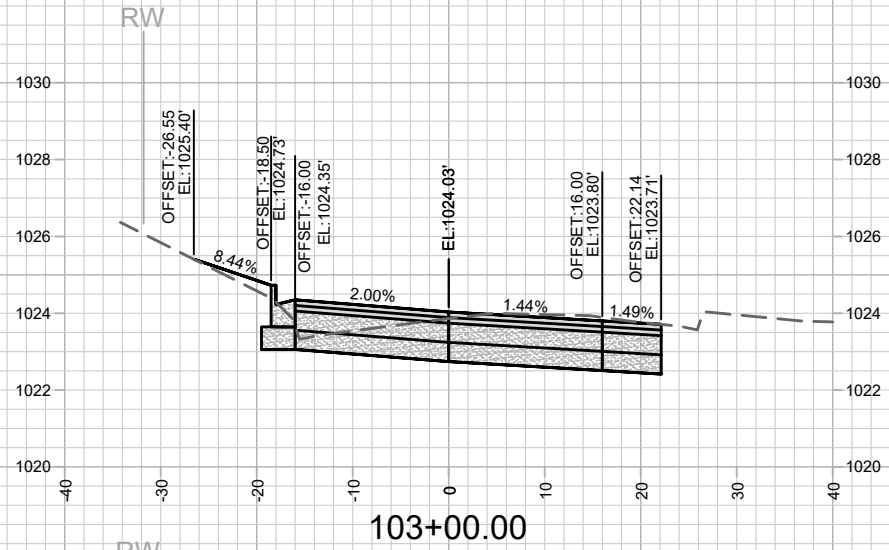
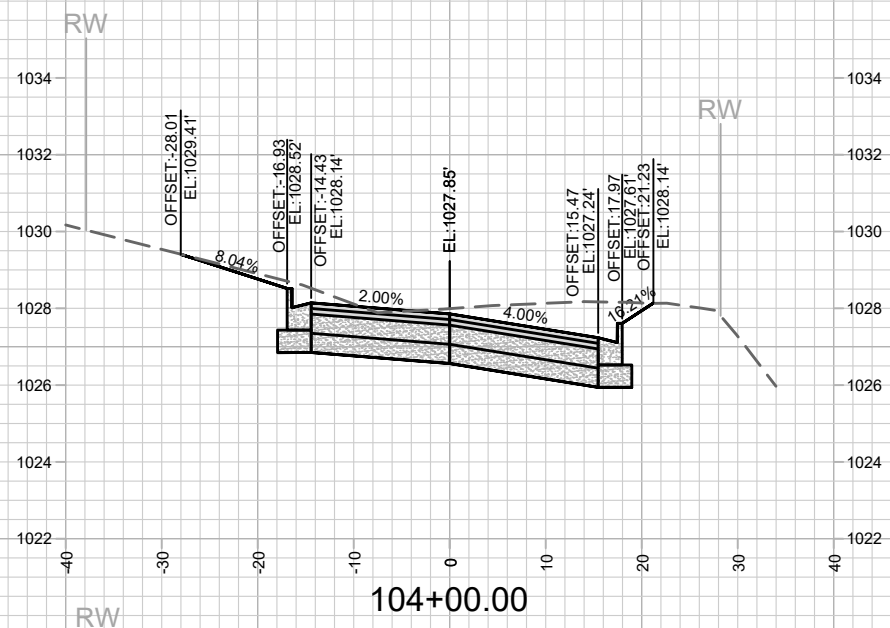
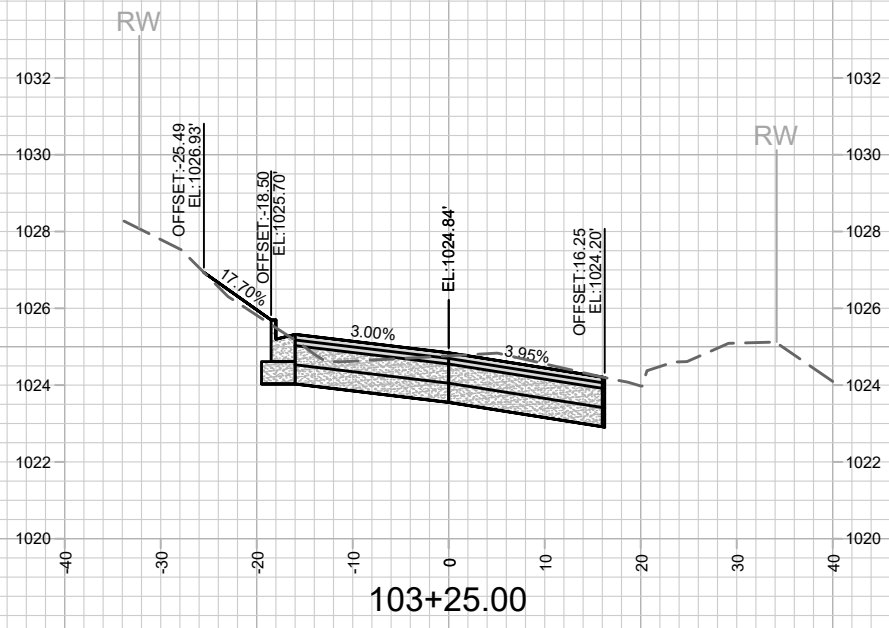


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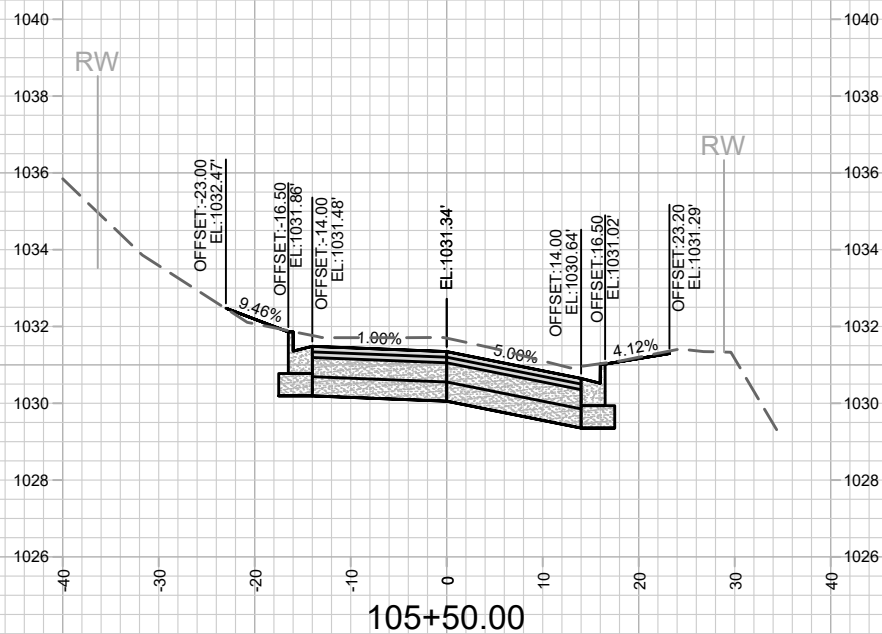
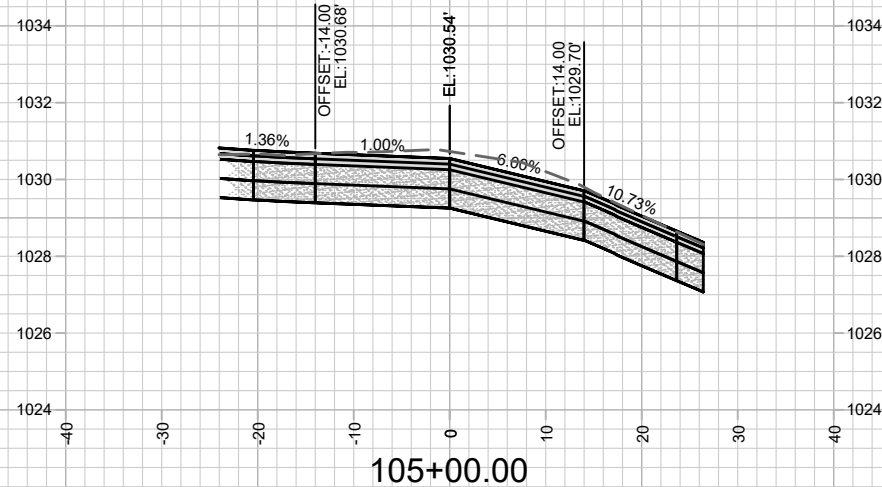
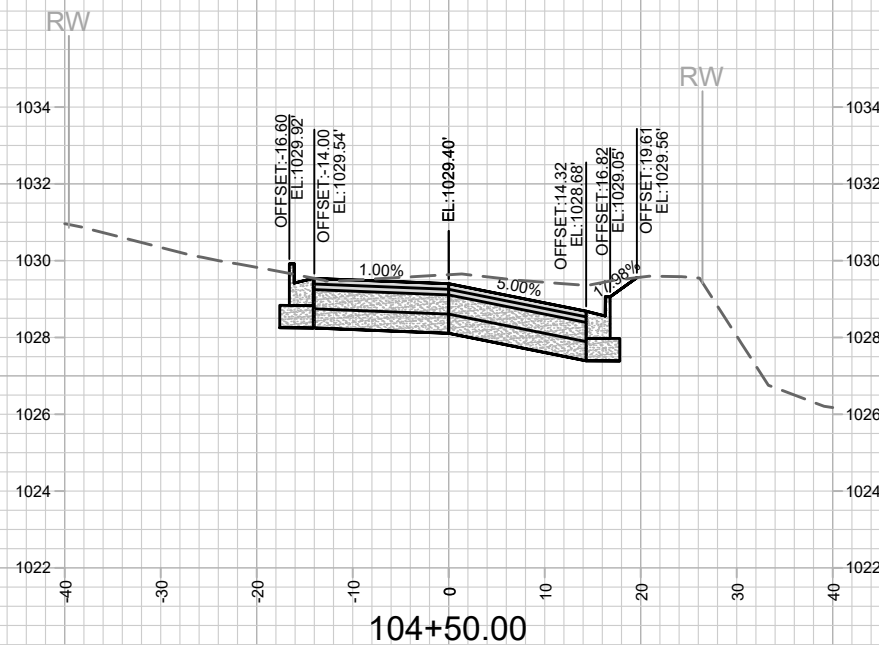
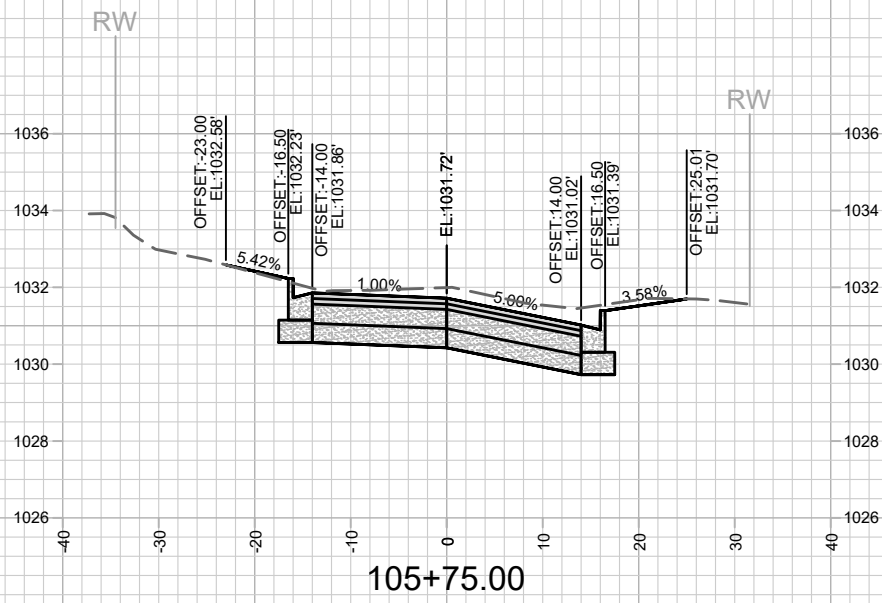
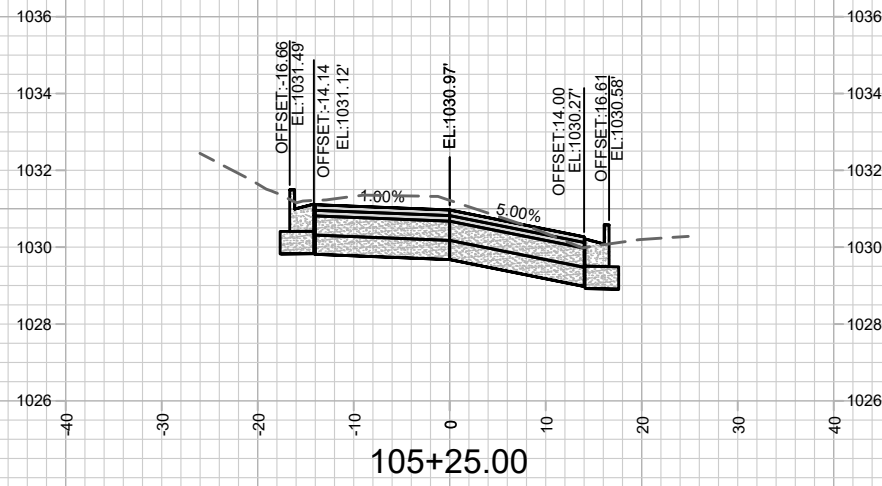
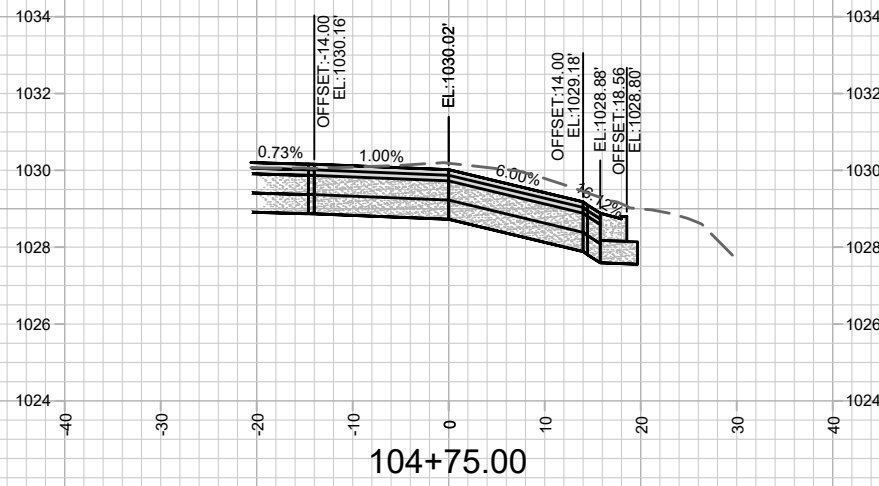


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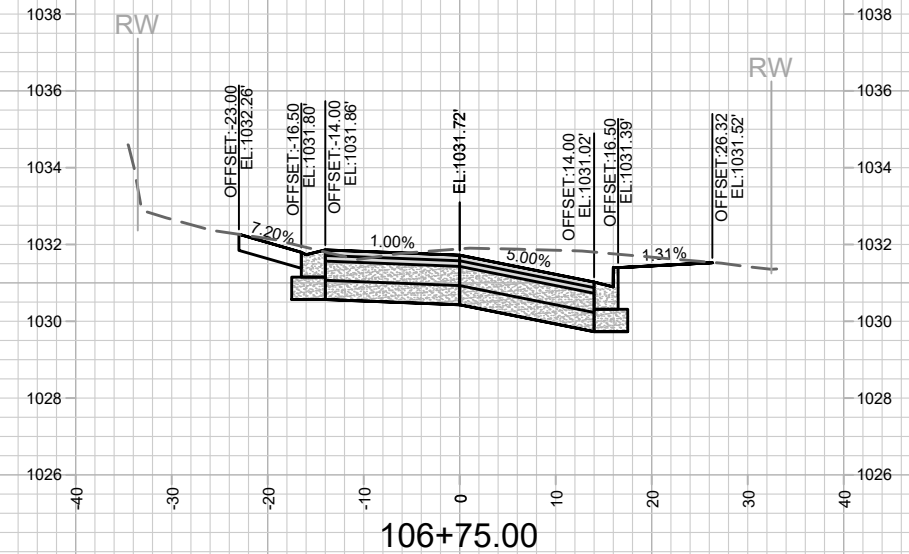
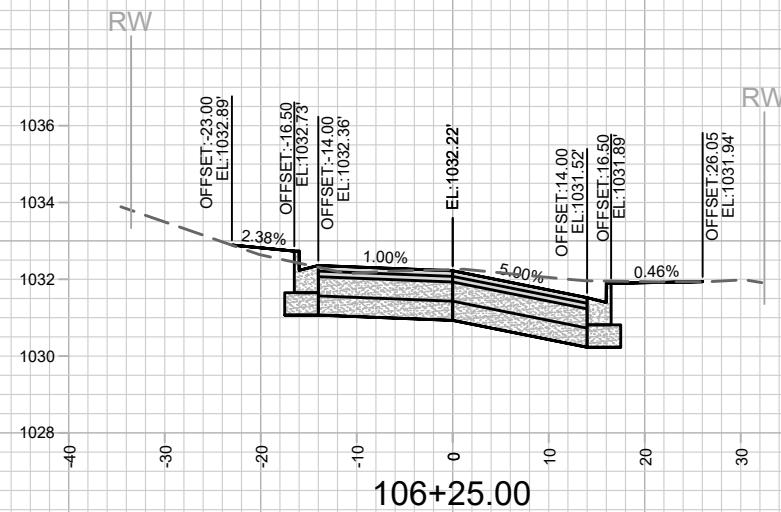
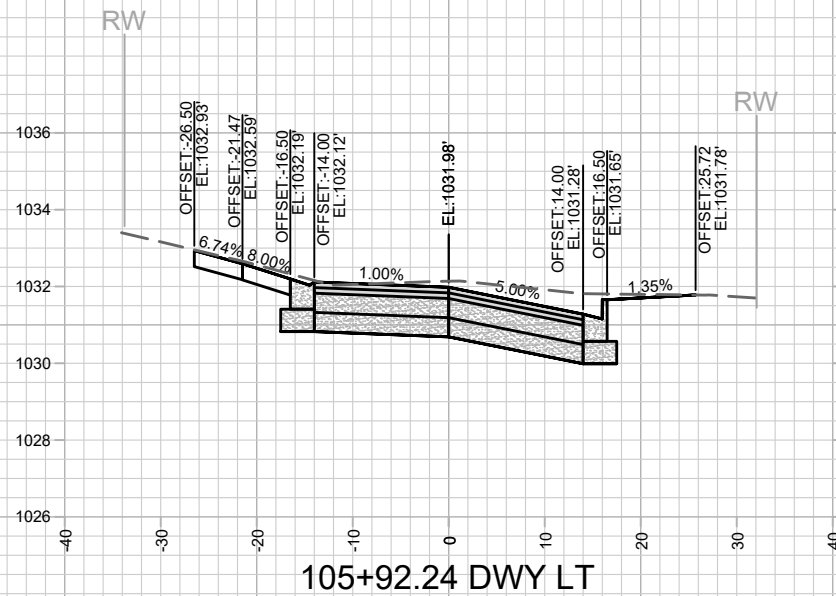
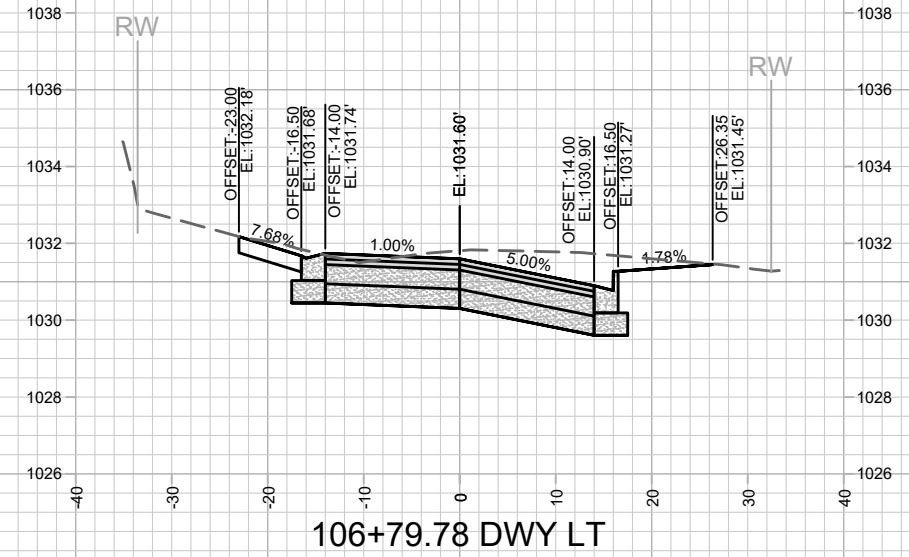
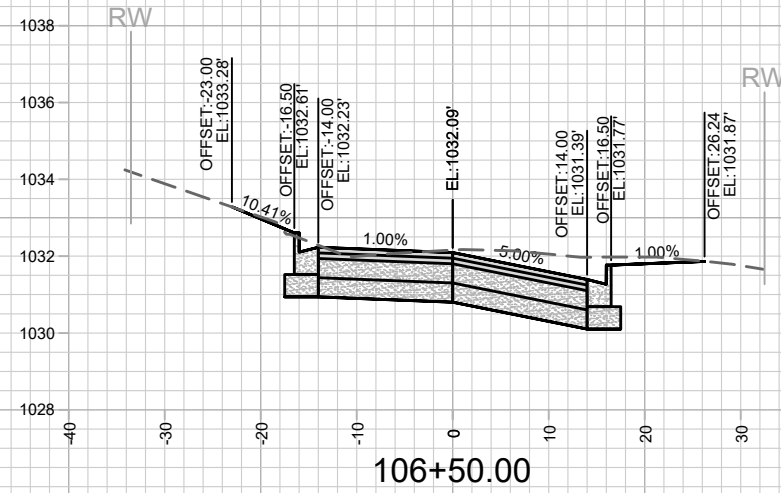
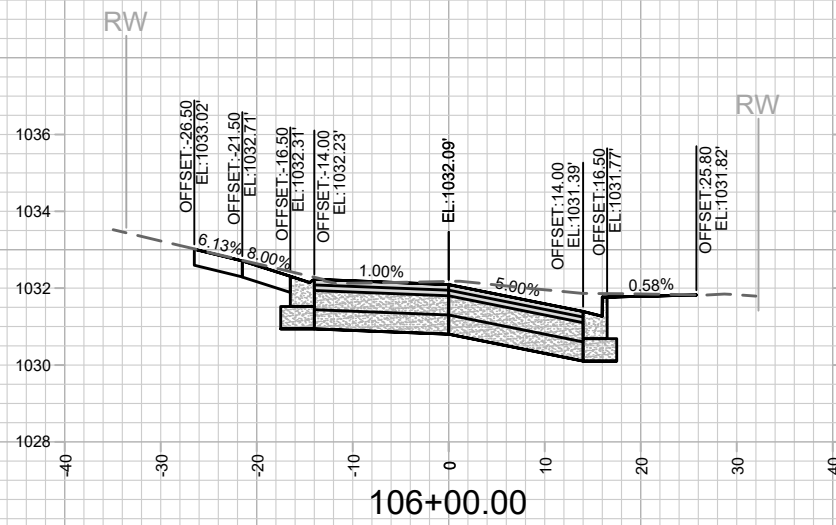


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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 MADISON, WI
 CONTRACT NO: 8561

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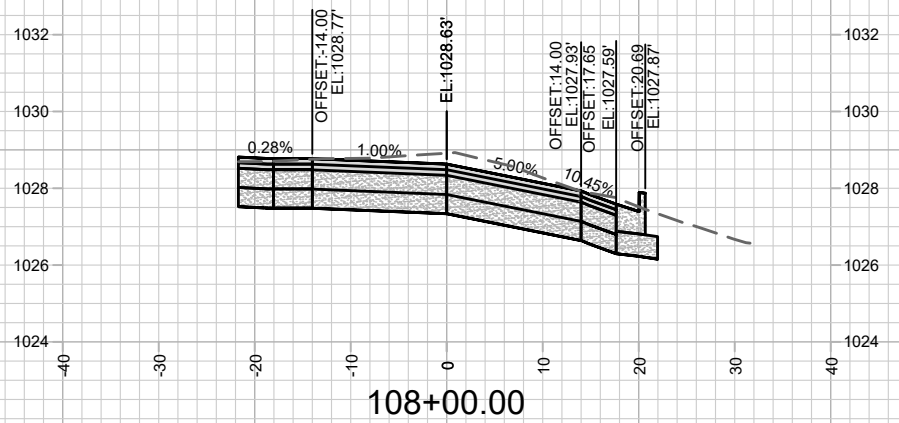
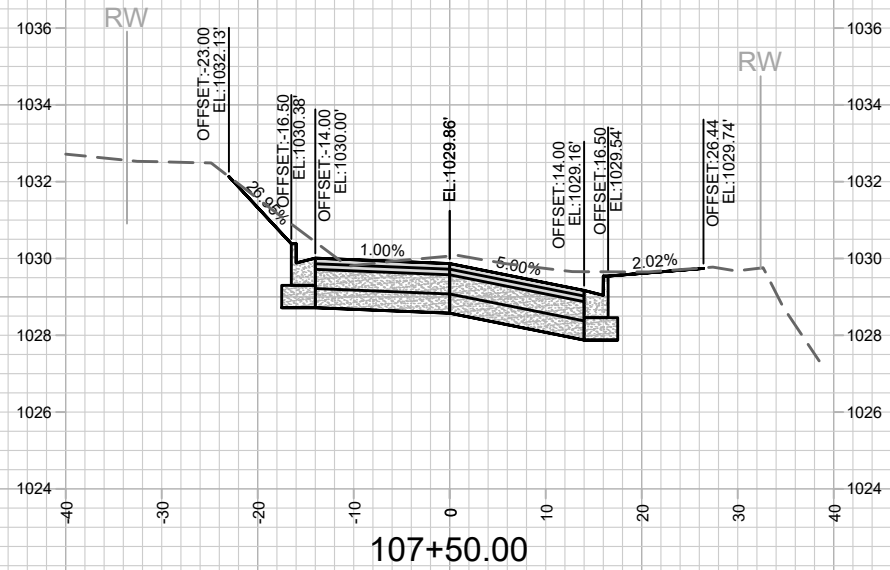
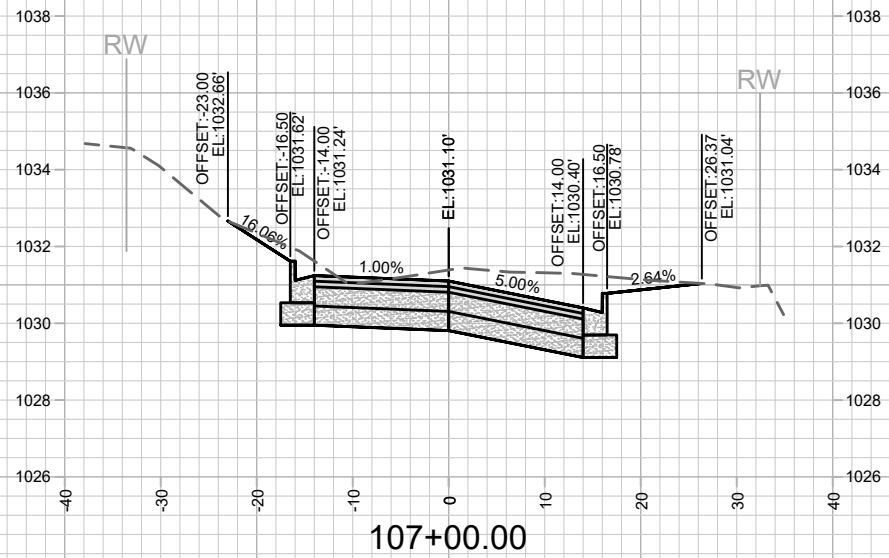
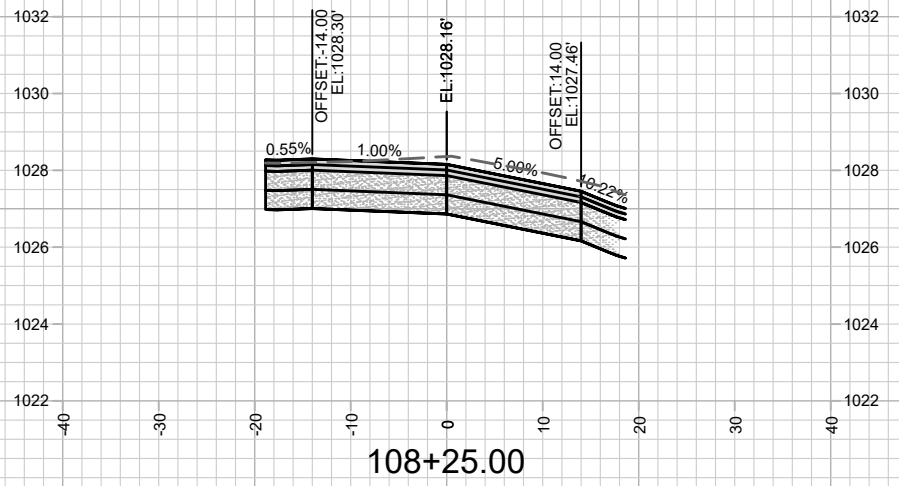
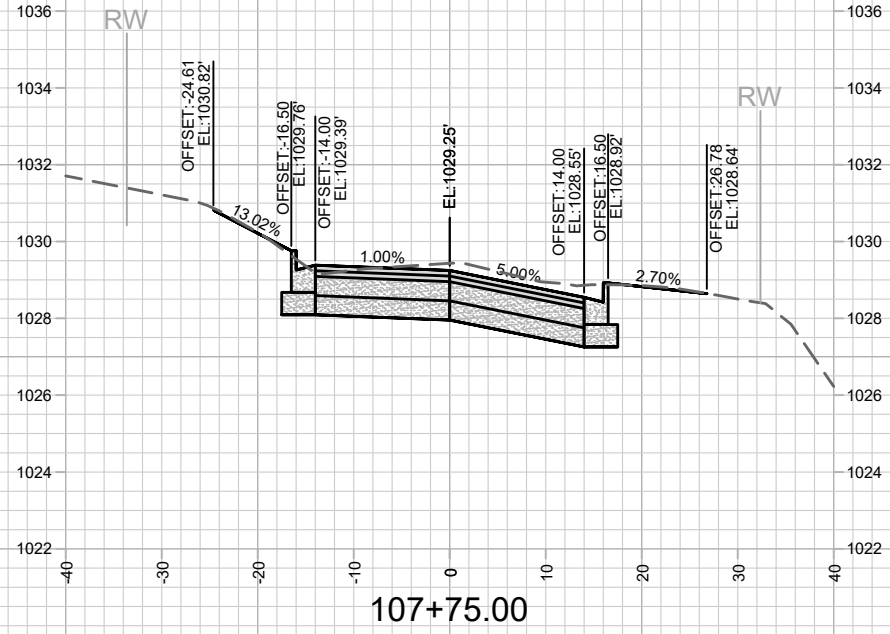
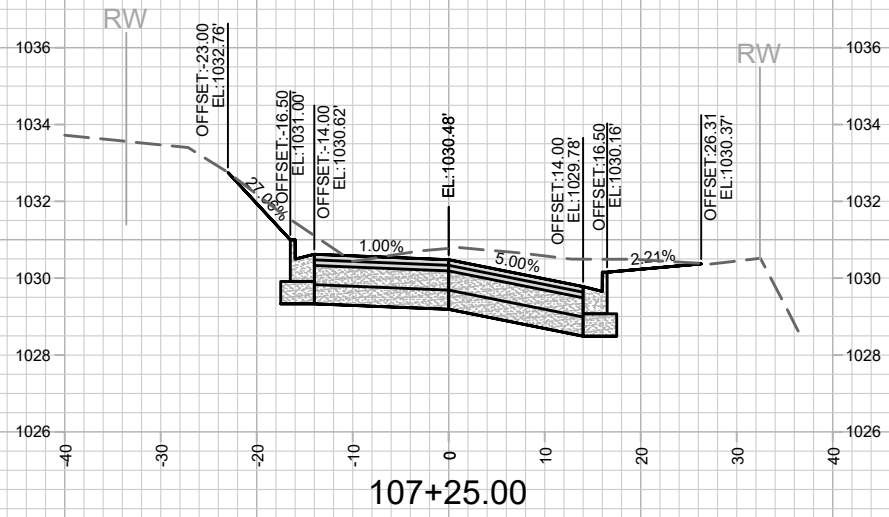


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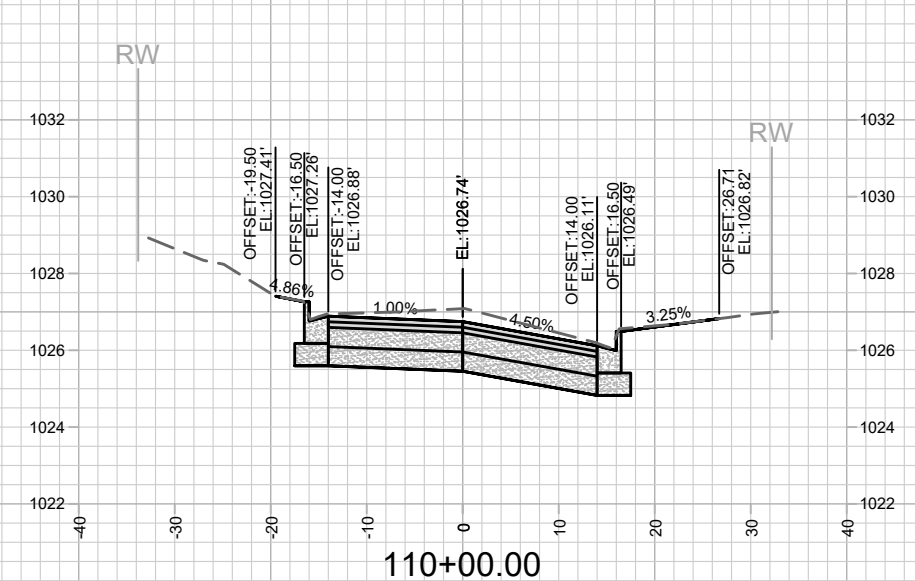
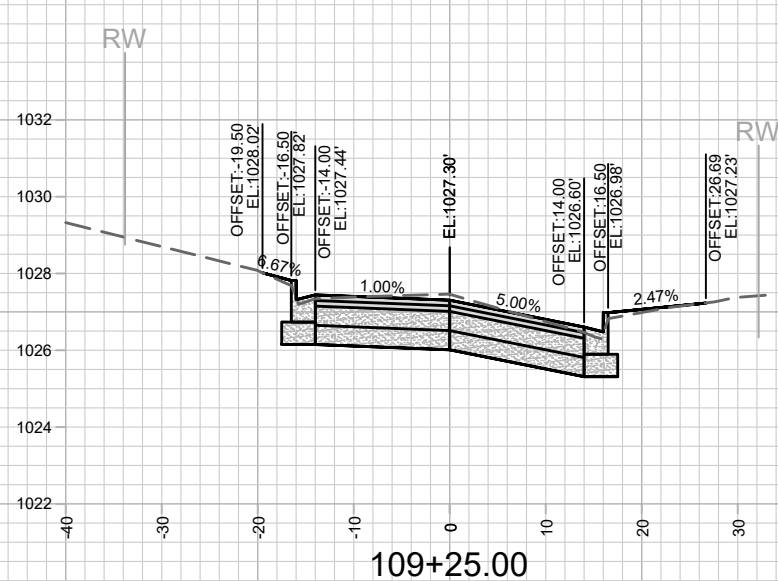
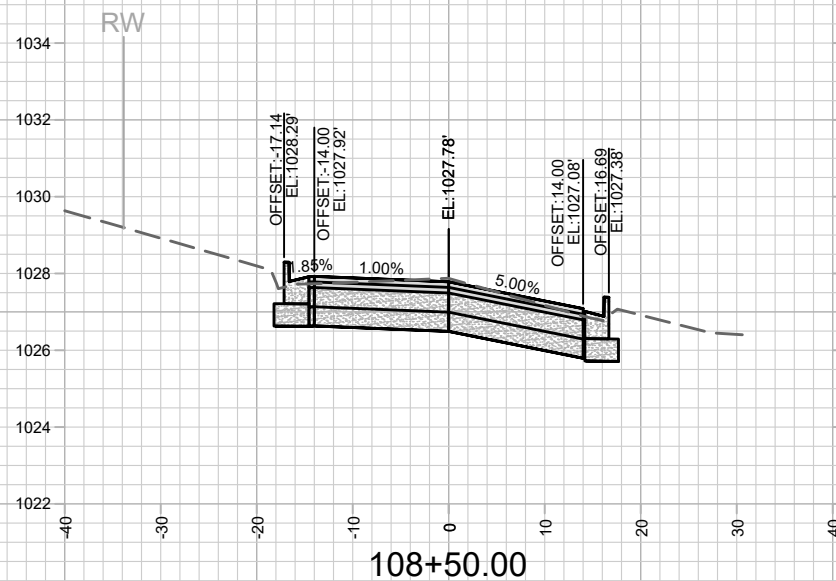
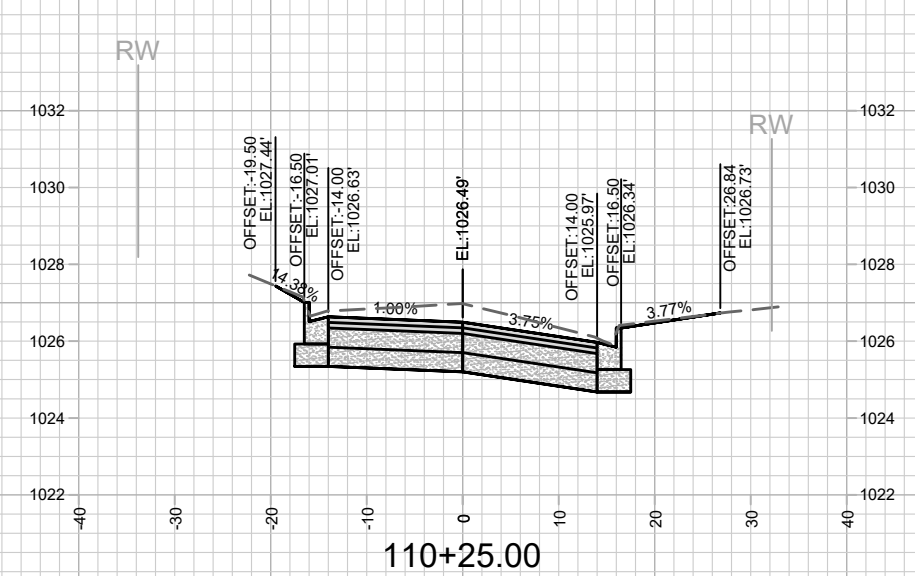
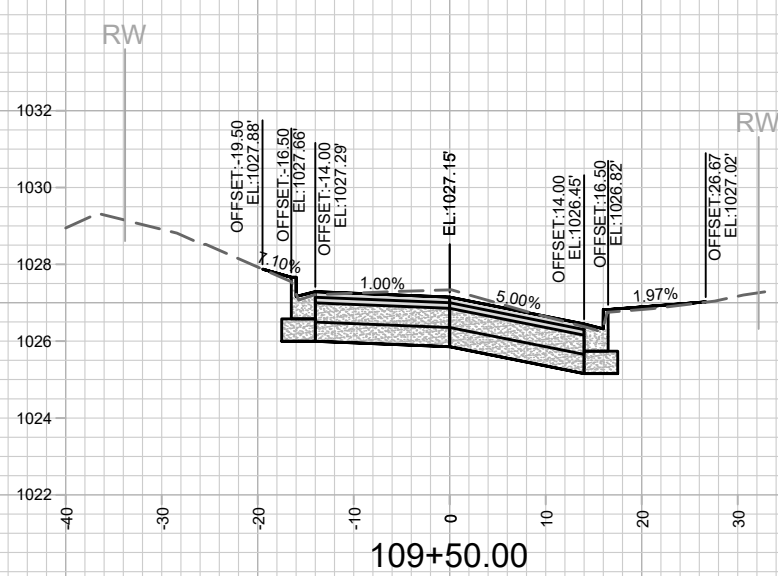
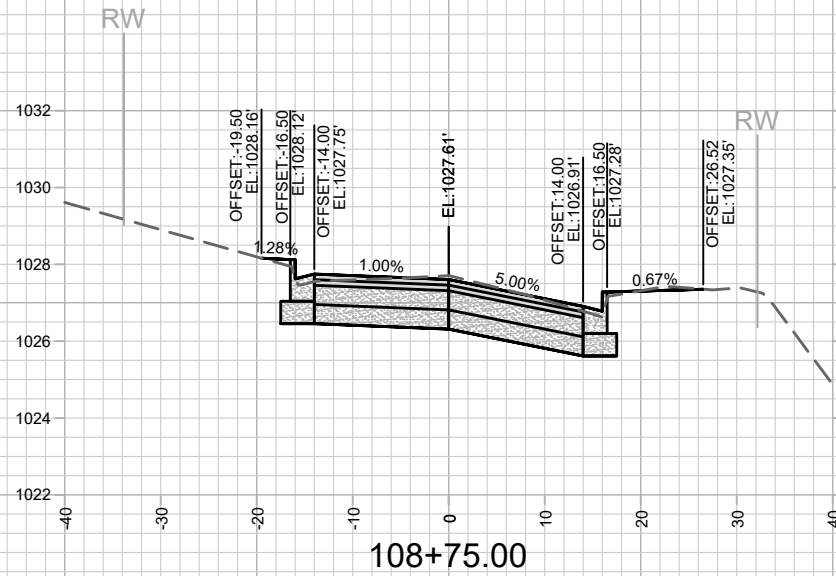
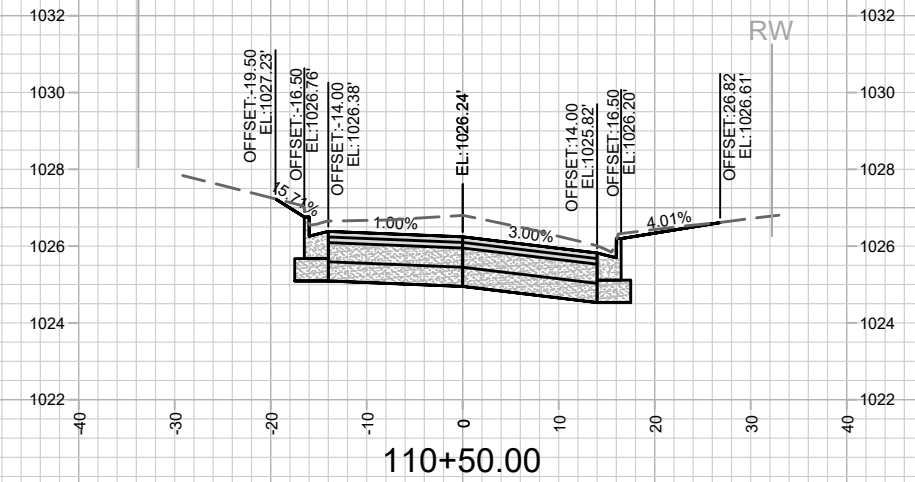
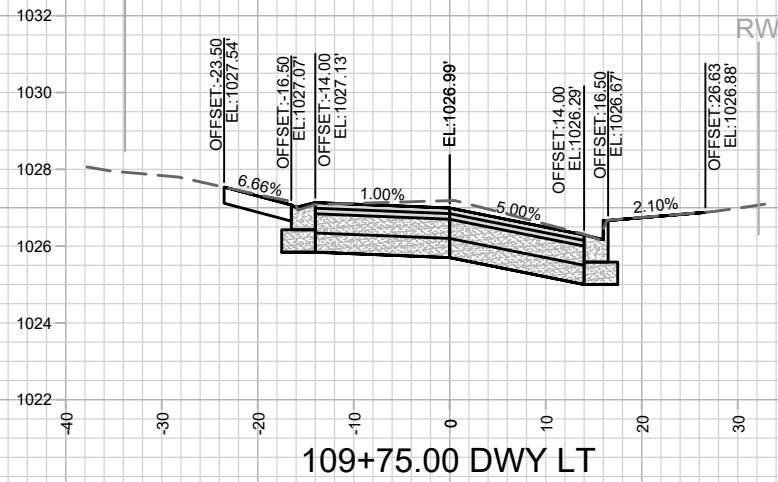
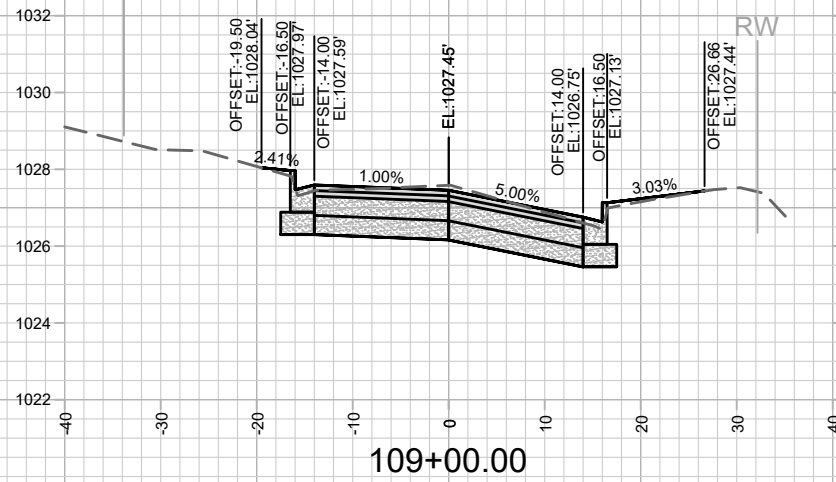


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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI
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 CONTRACT NO: 8561

12195
 X-5

Designed By: ALZ
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 X-5



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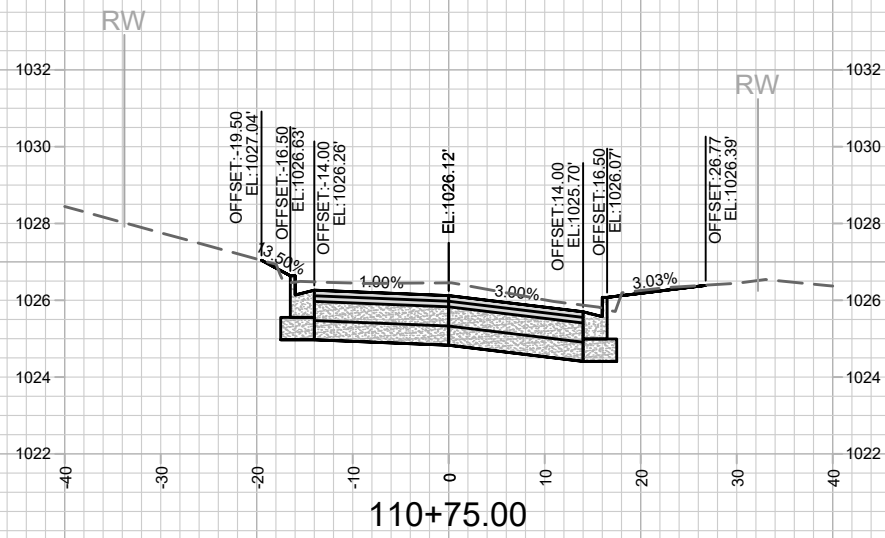
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MADISON, WI
CONTRACT NO: 8561

HILLCREST DRIVE CROSS SECTIONS
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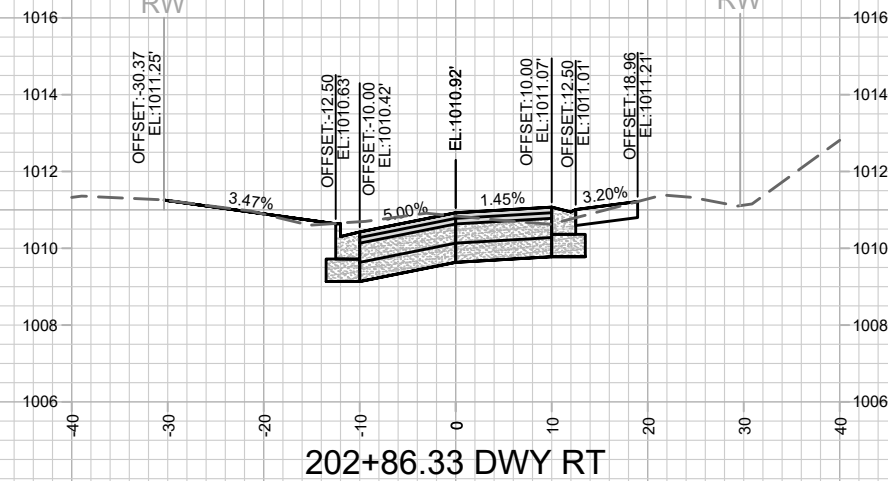
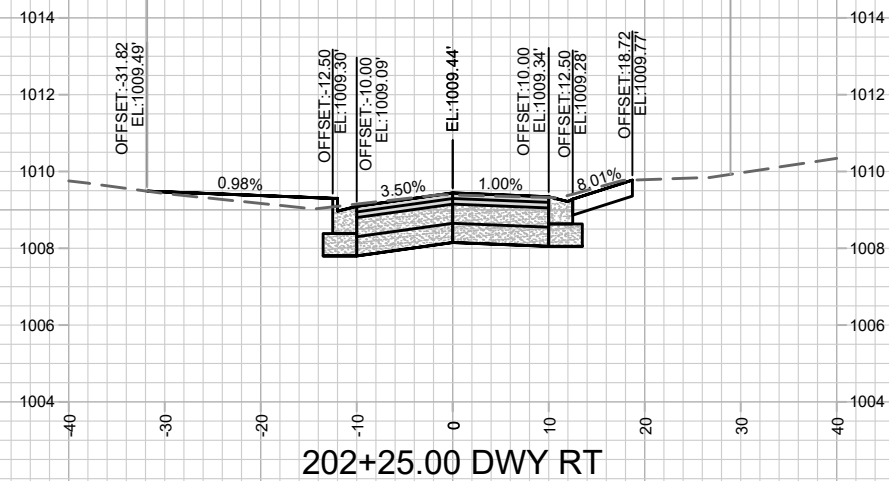
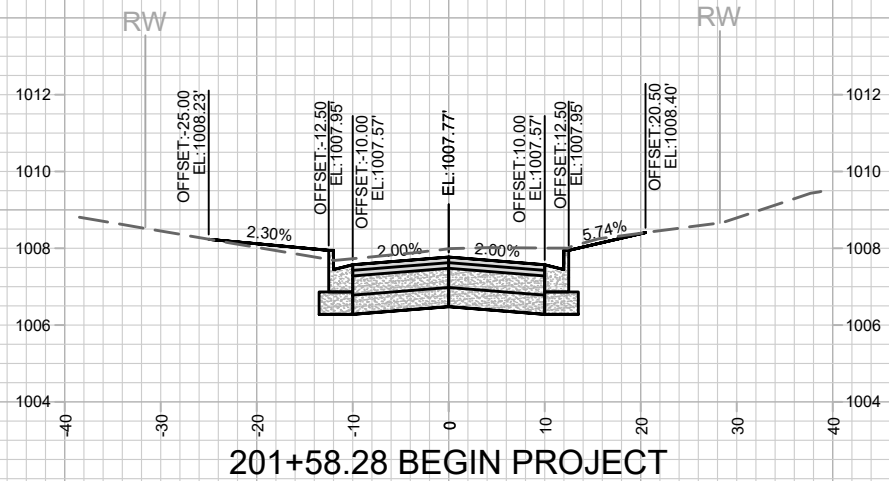
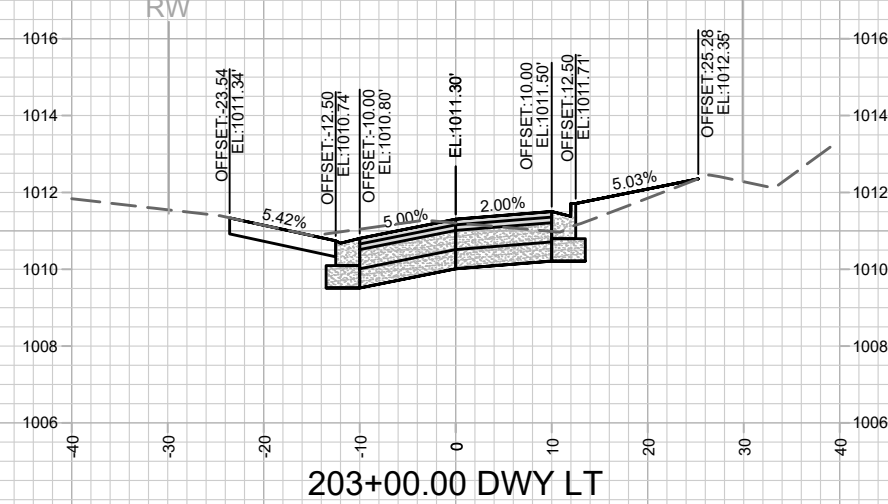
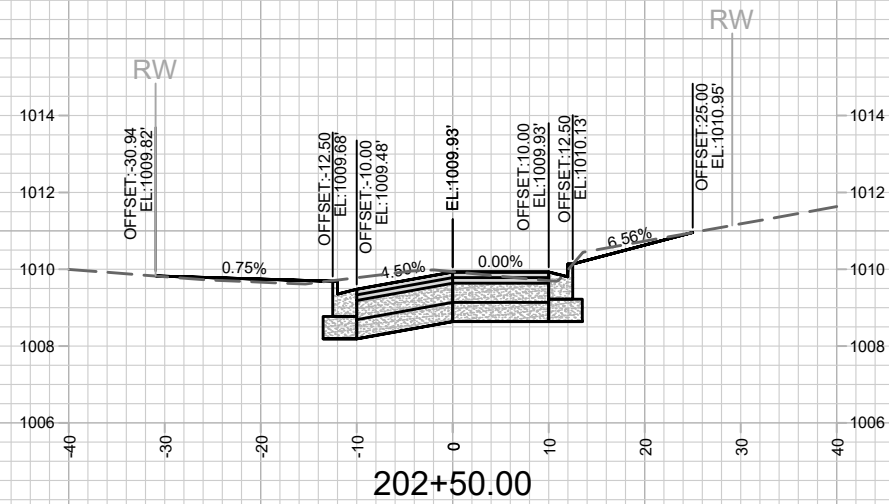
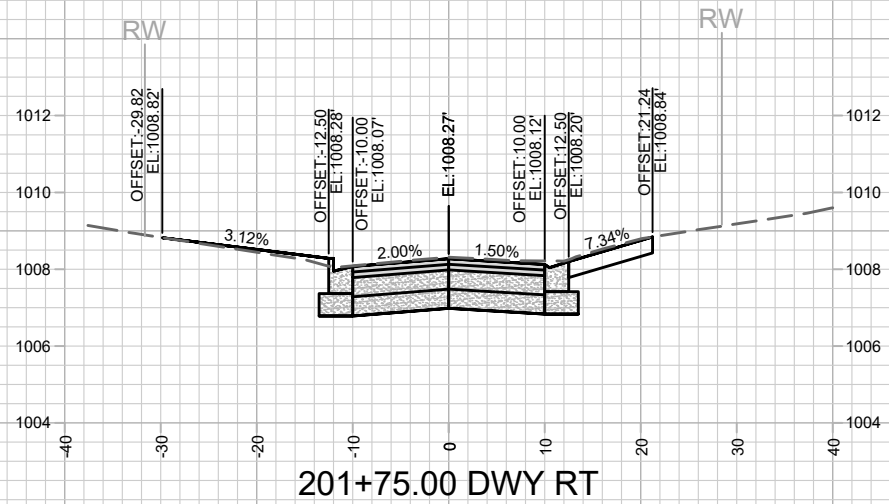
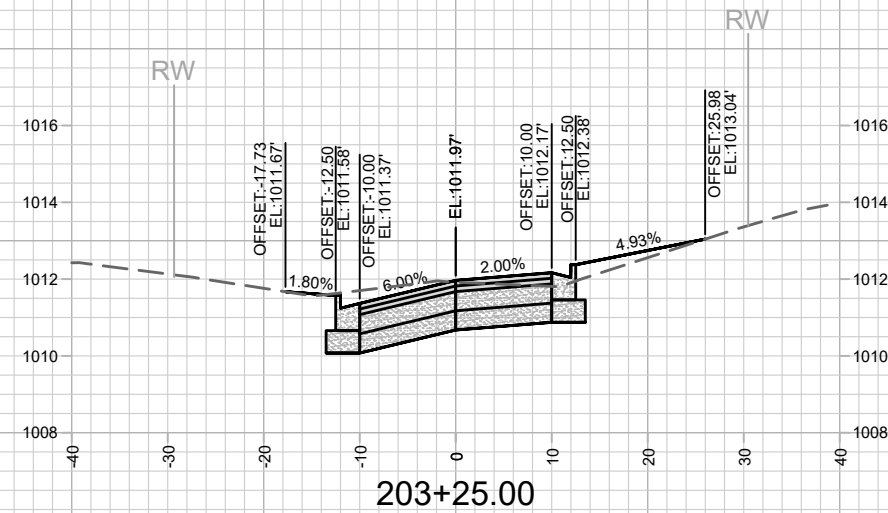
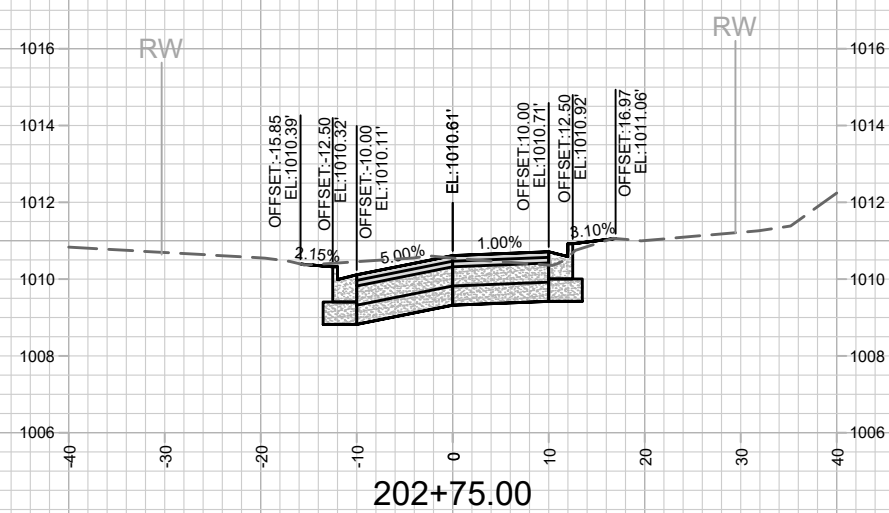
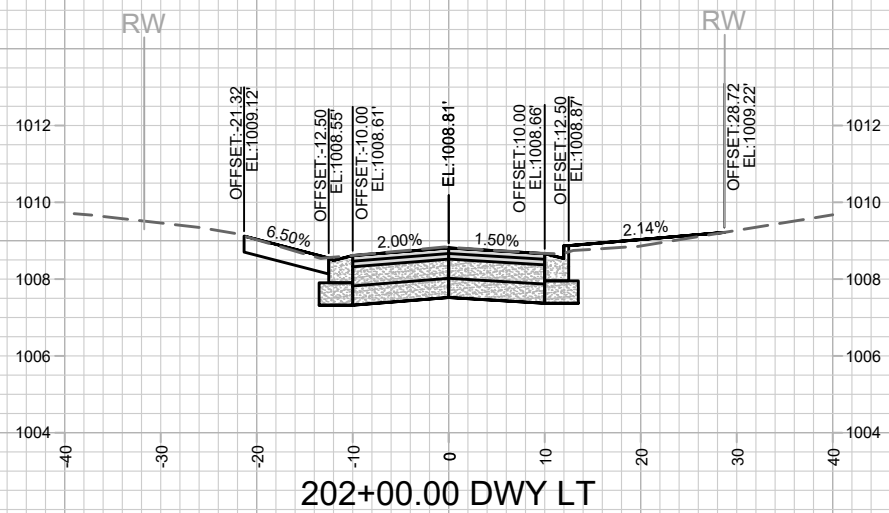


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HILLCREST DRIVE CROSS SECTIONS
HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
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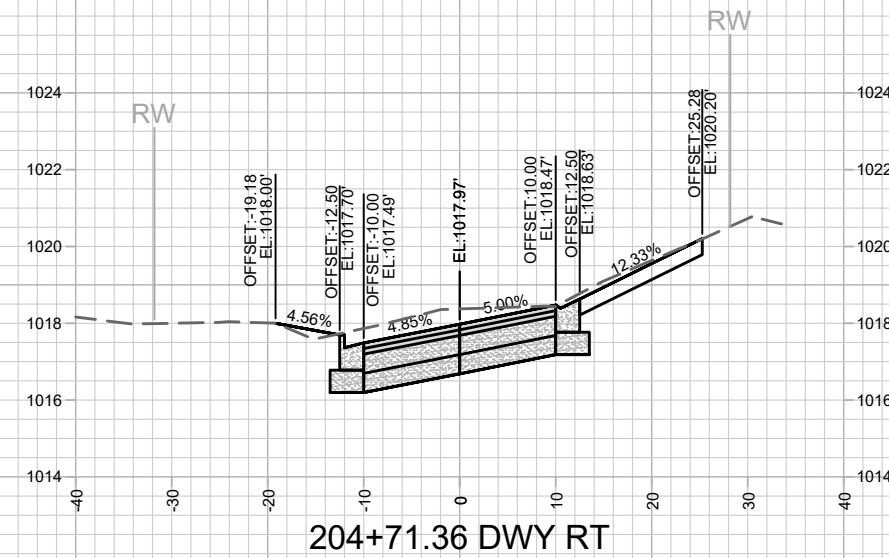
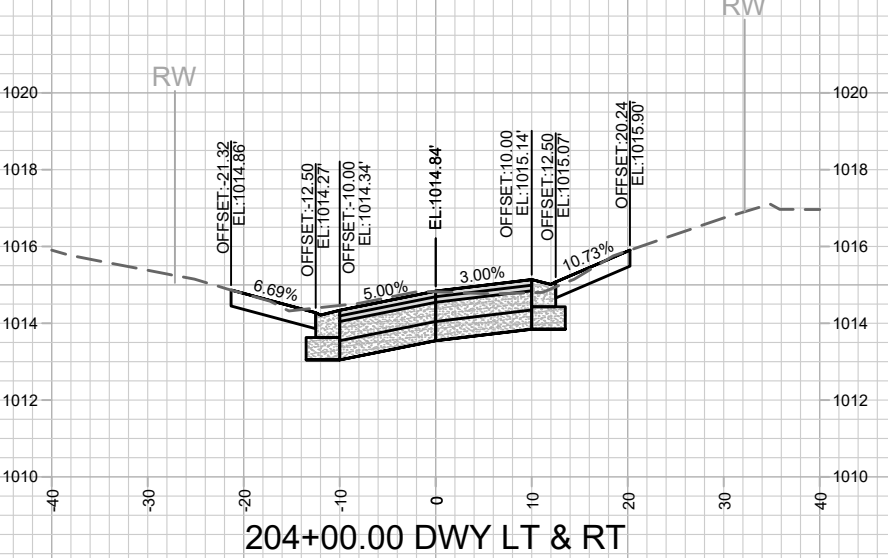
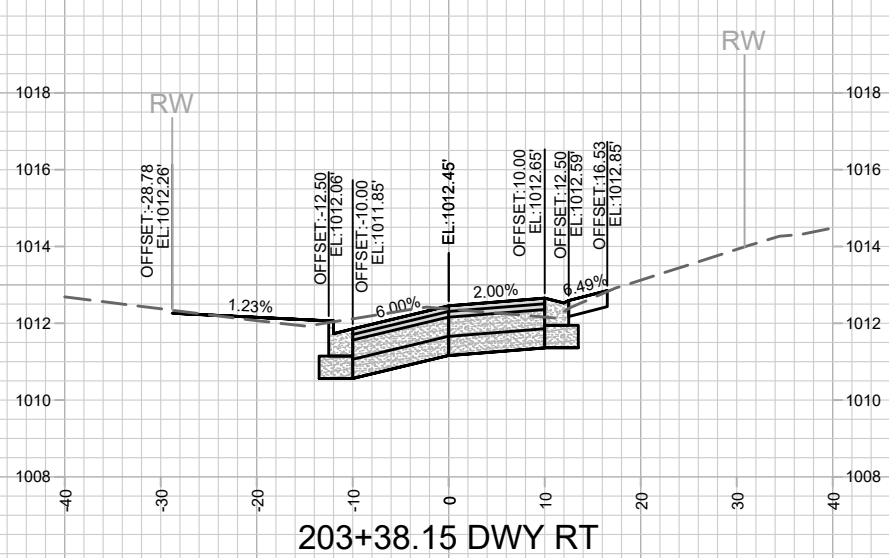
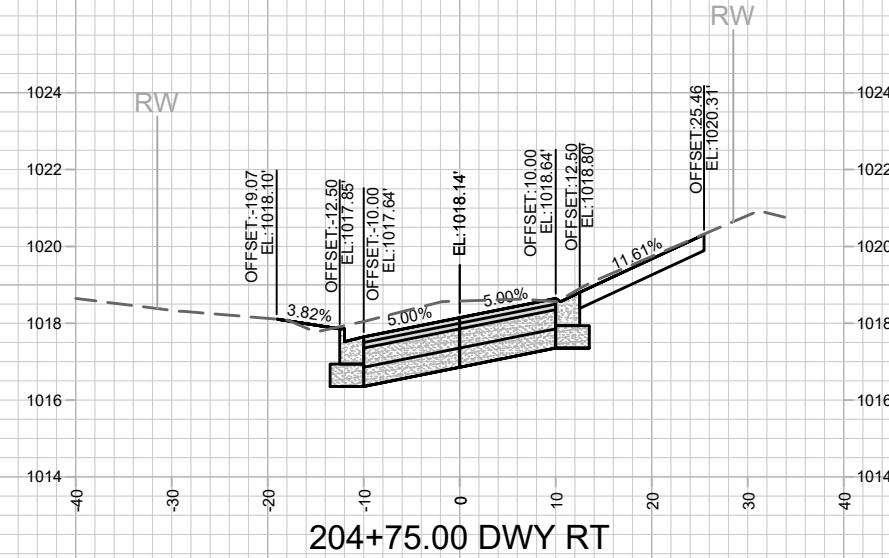
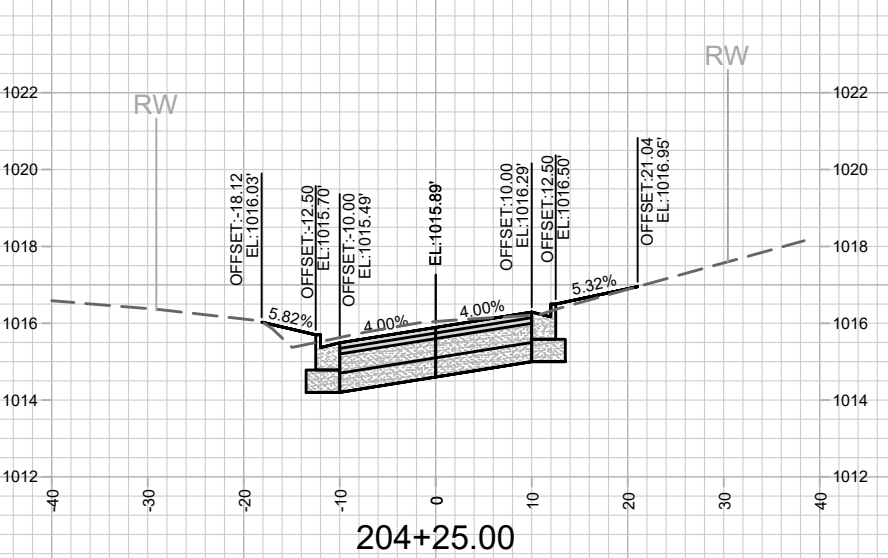
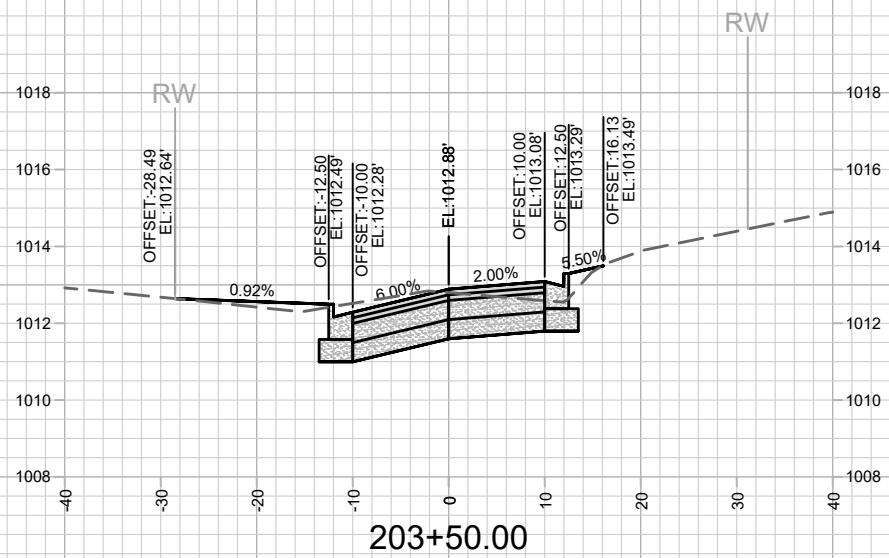
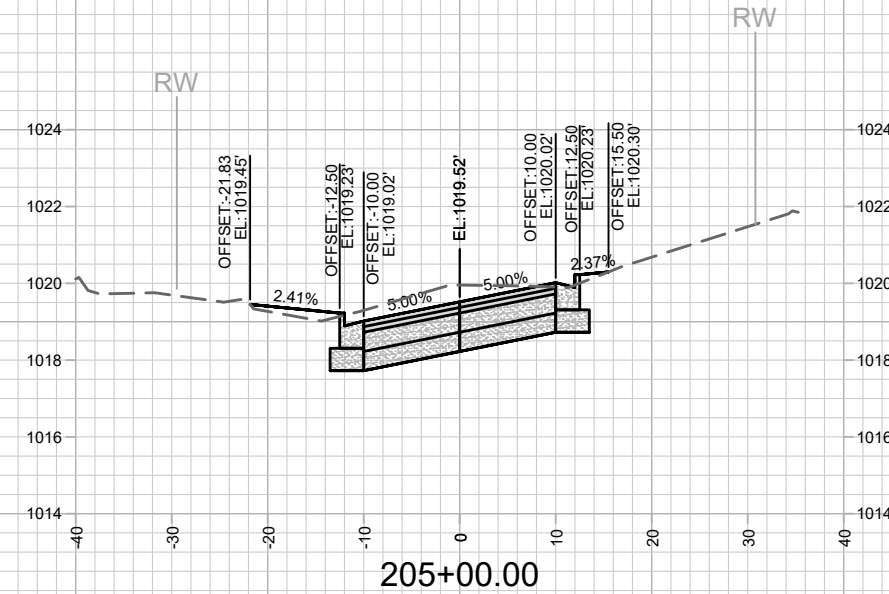
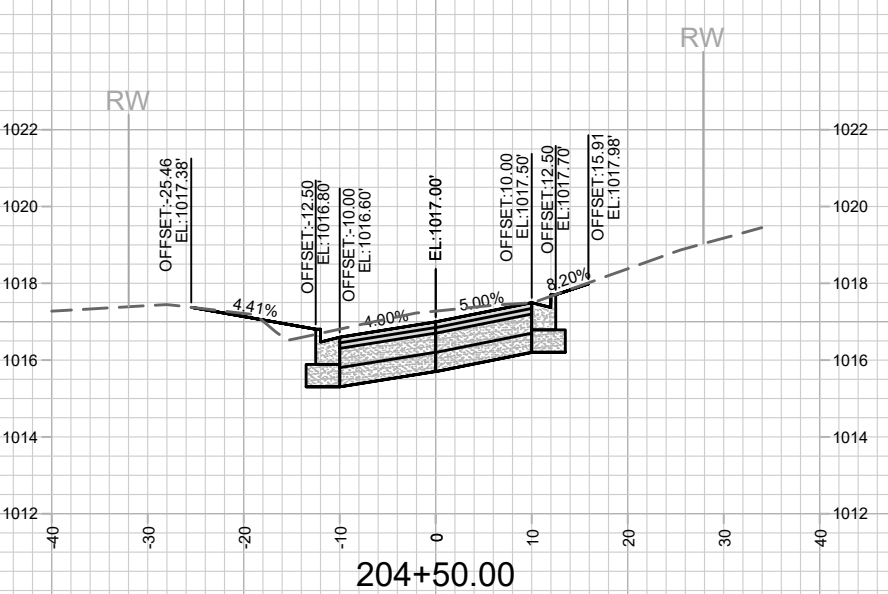
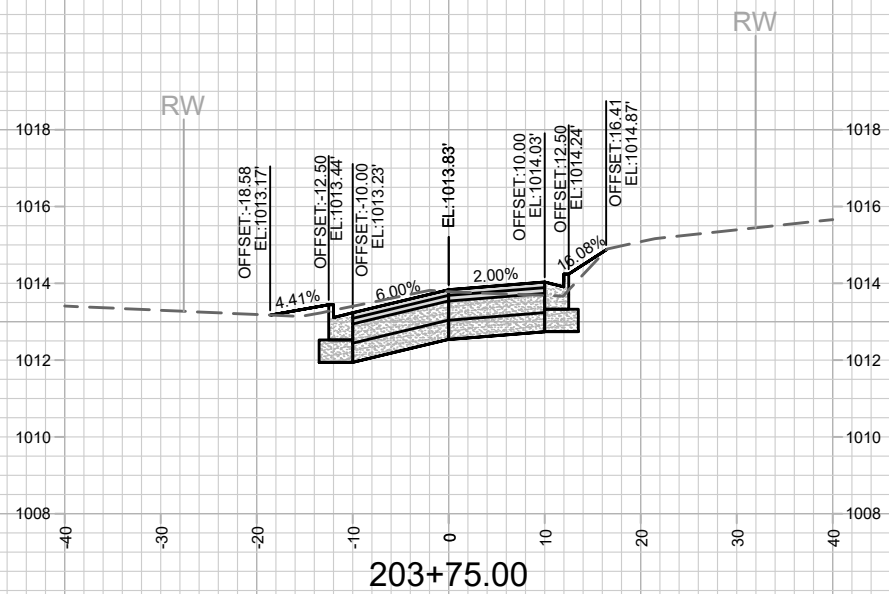
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MADISON, WI
CONTRACT NO: 8561

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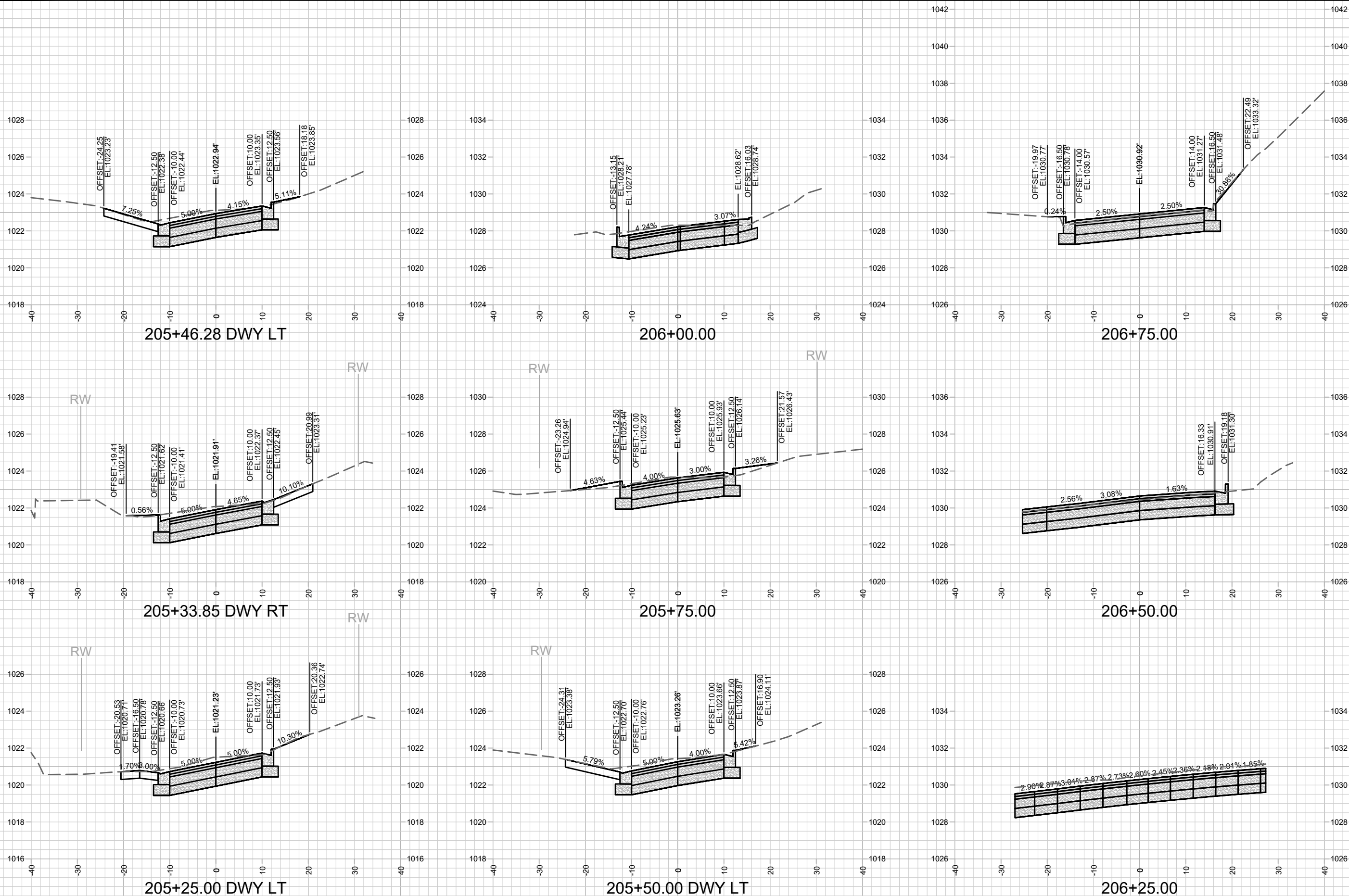
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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 MADISON, WI
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 CONTRACT NO: 8561



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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
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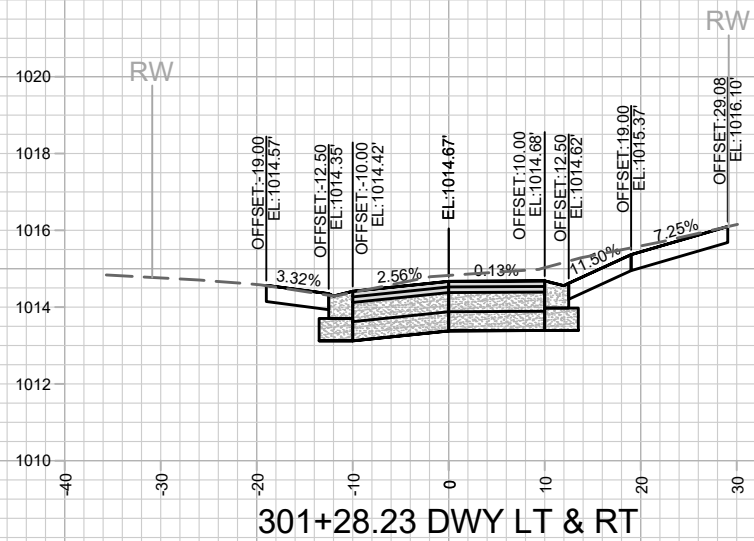


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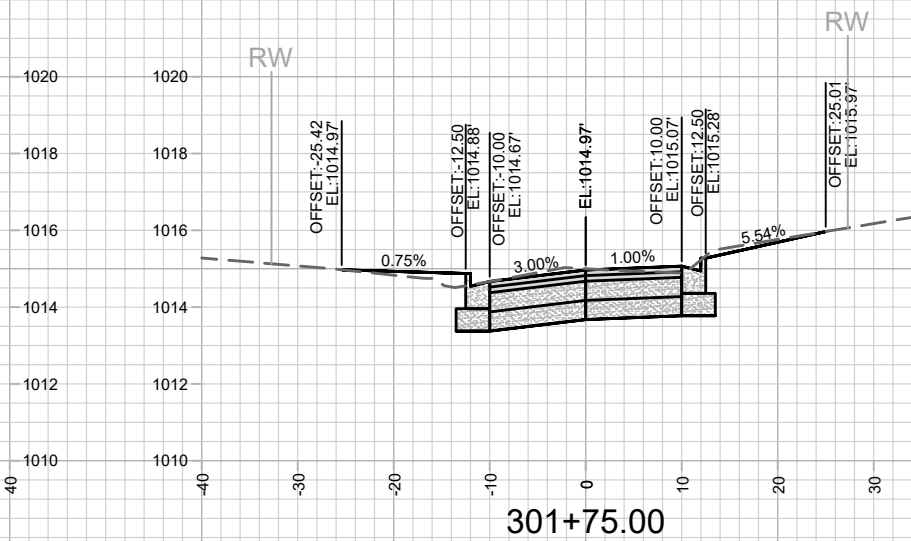
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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI
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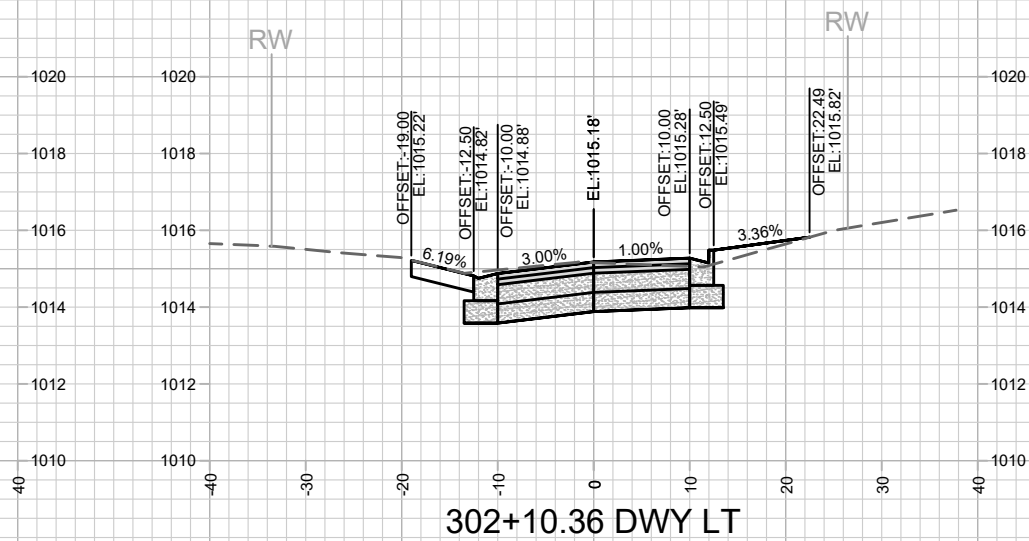
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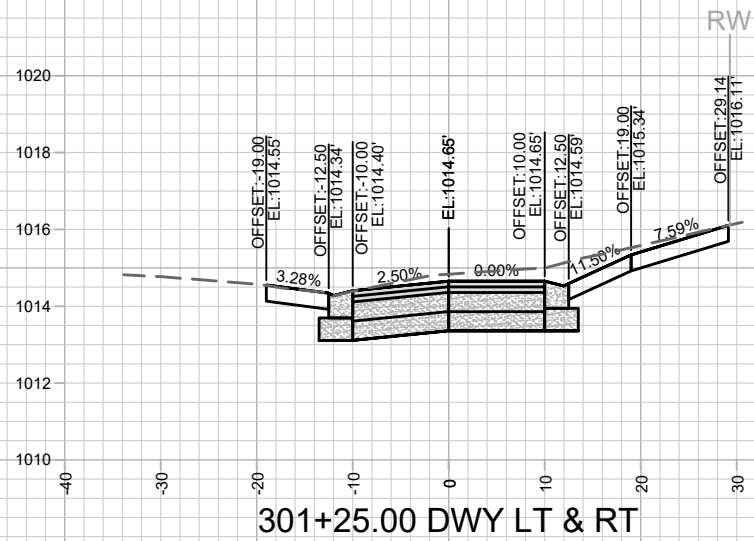
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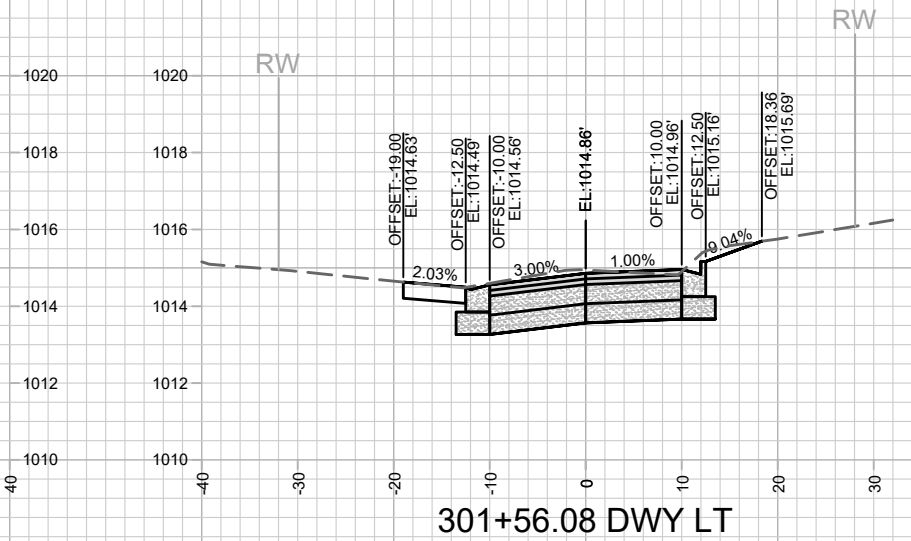
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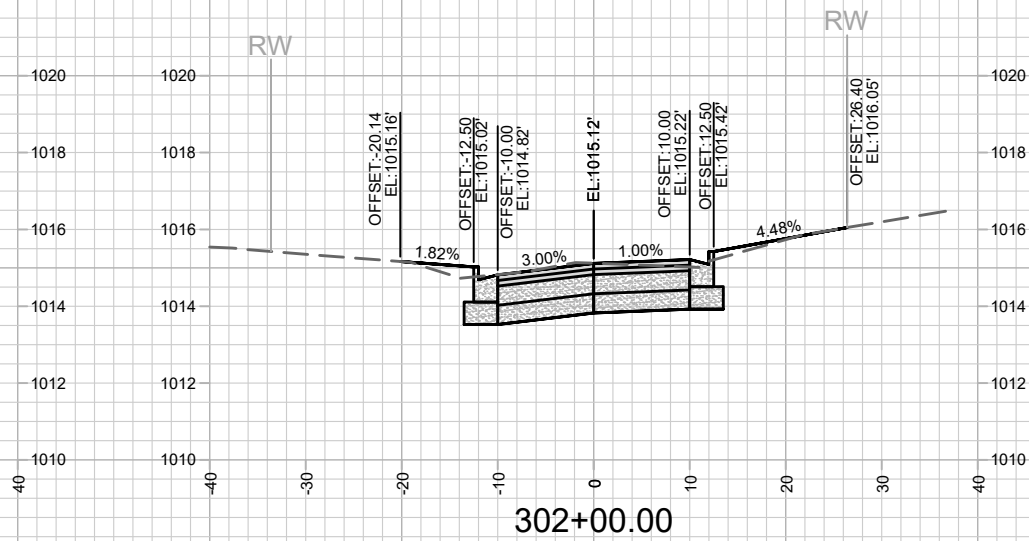
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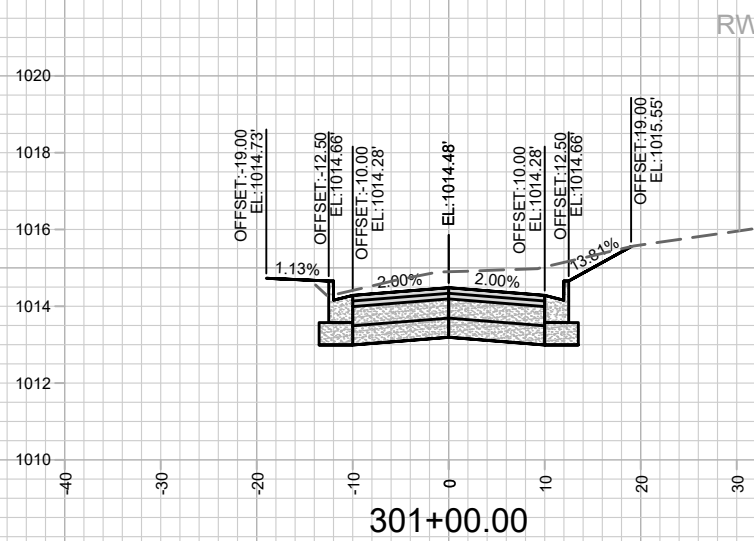
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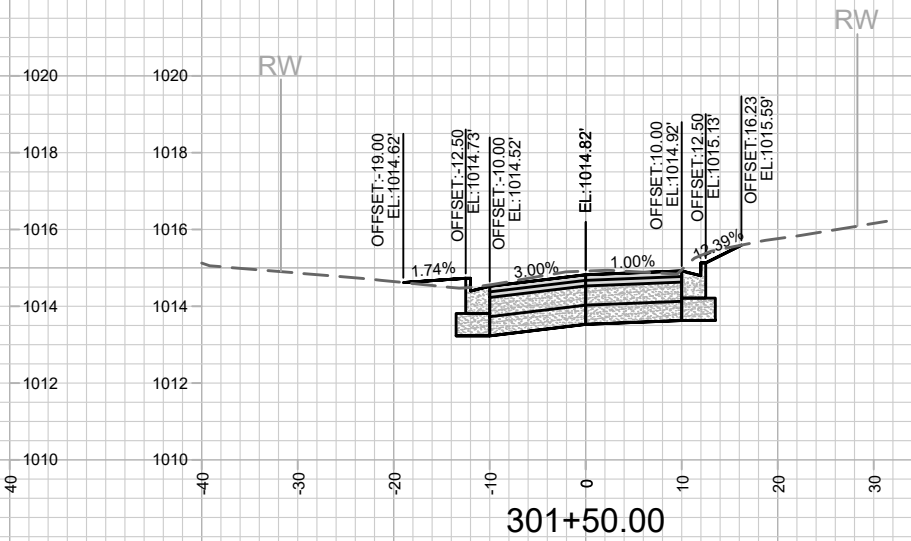
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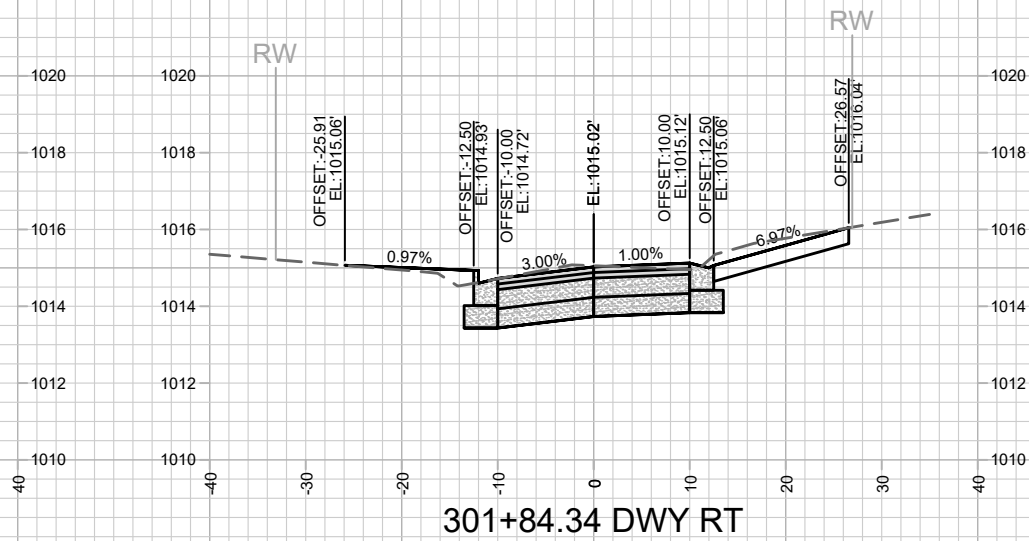
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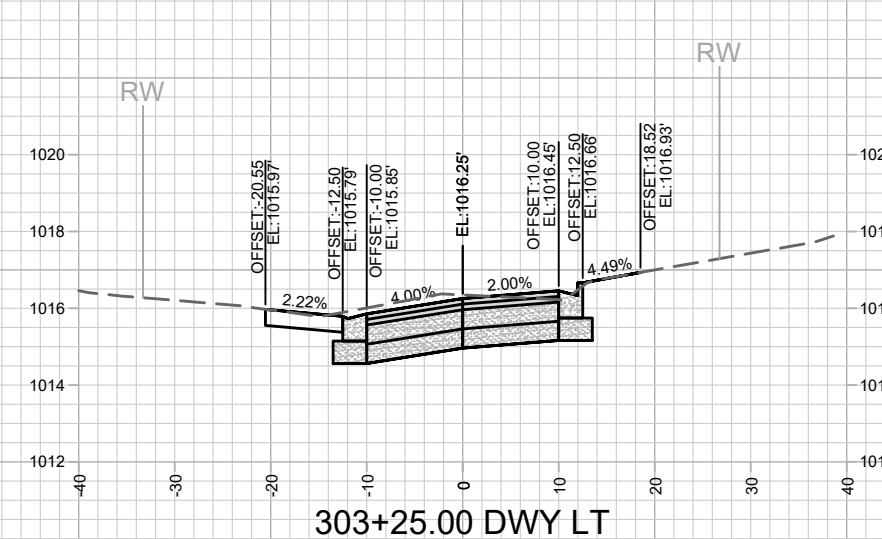
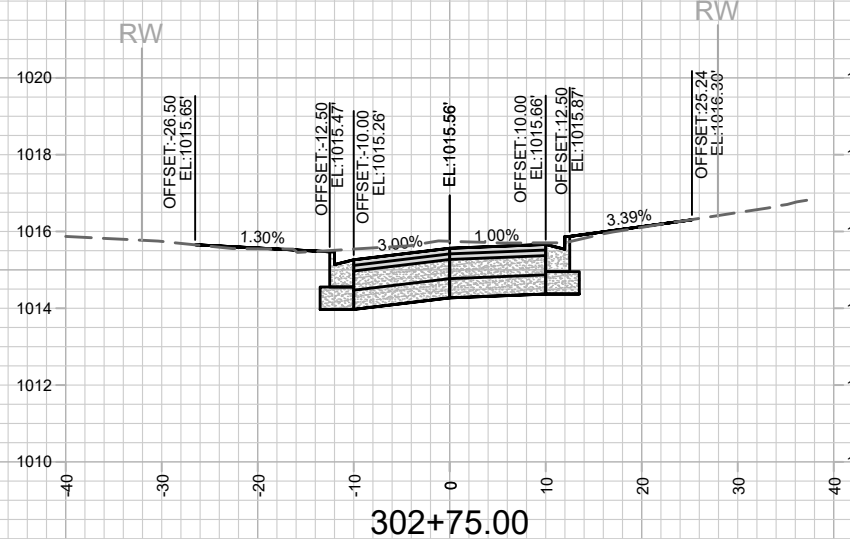
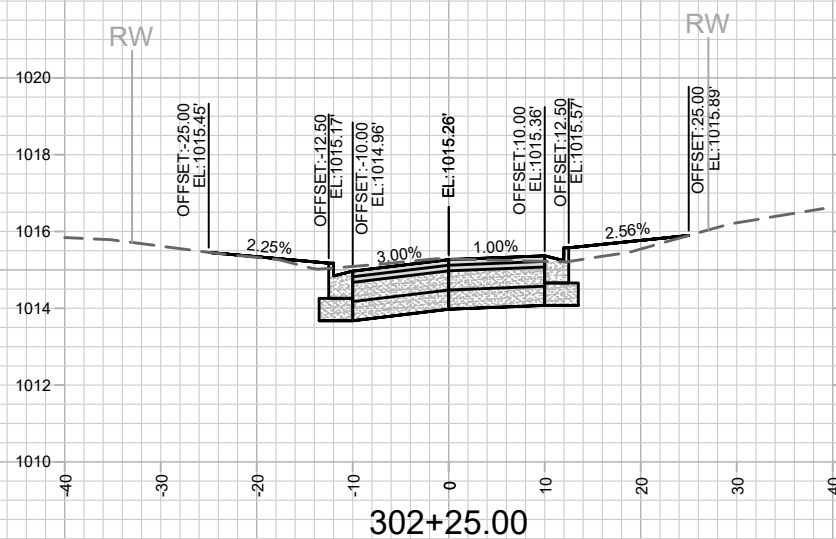
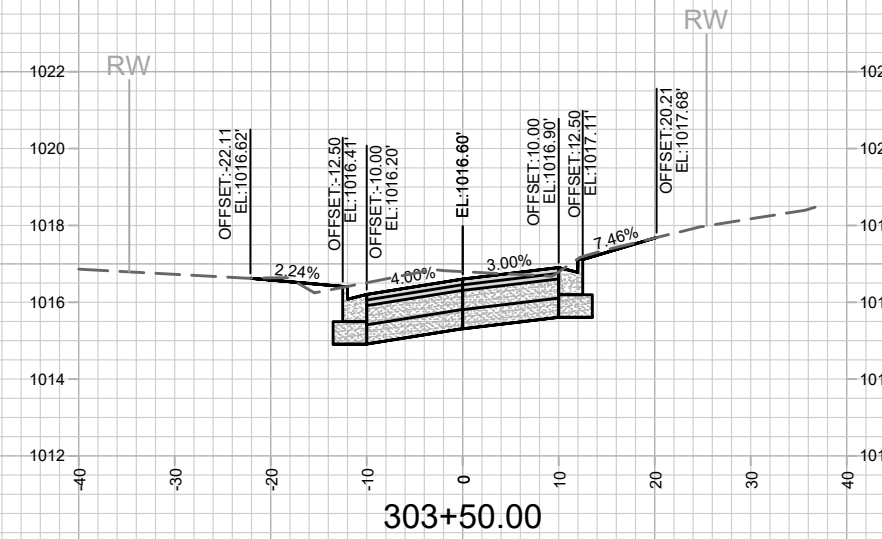
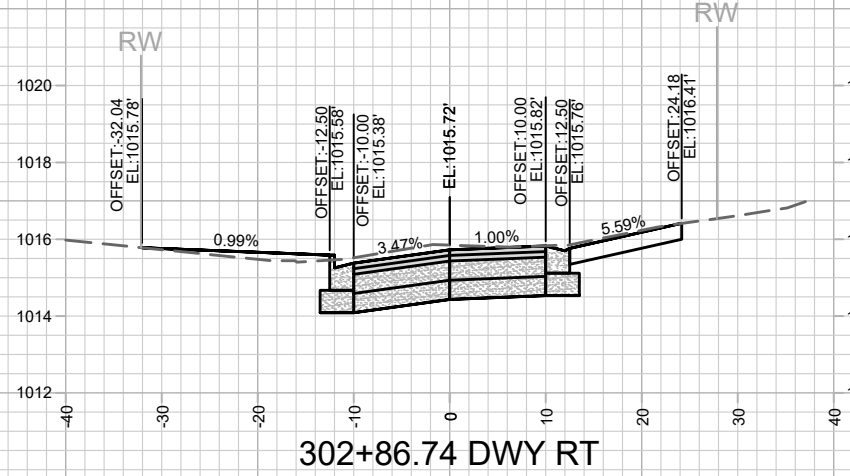
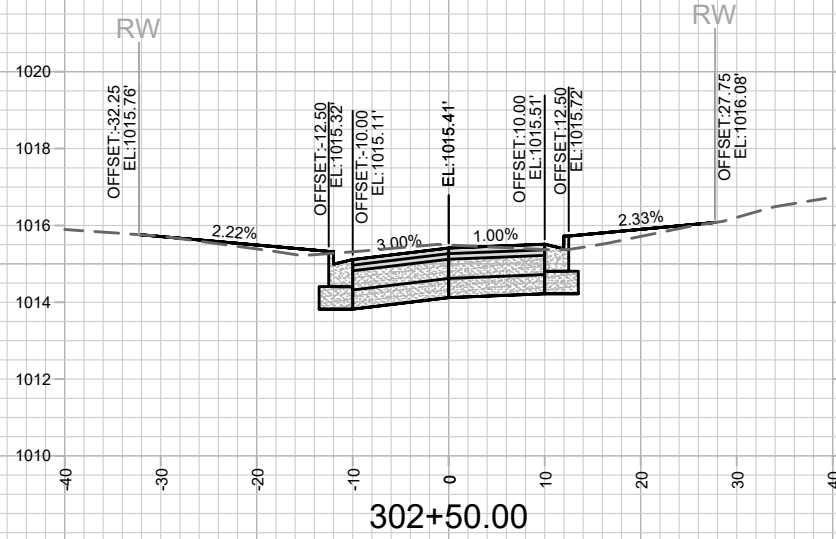
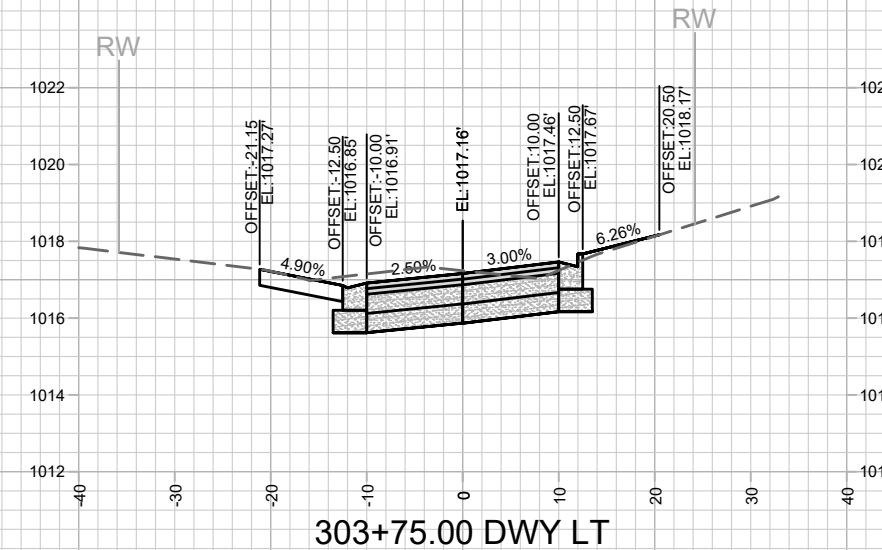
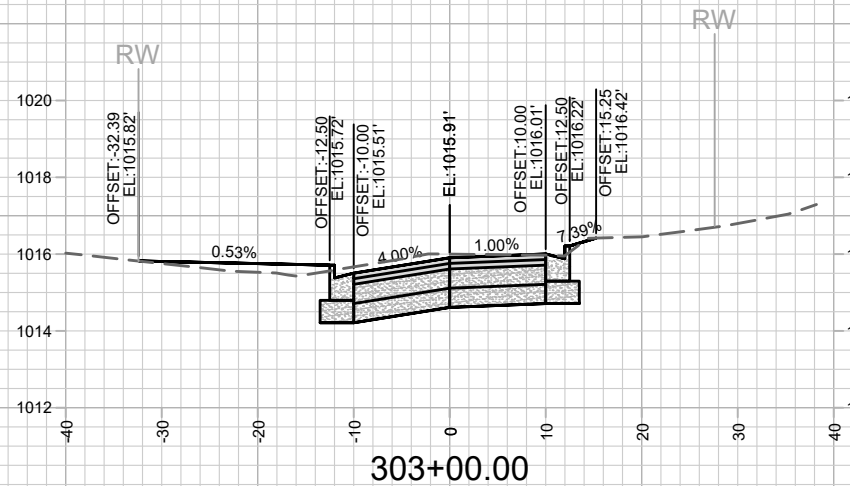
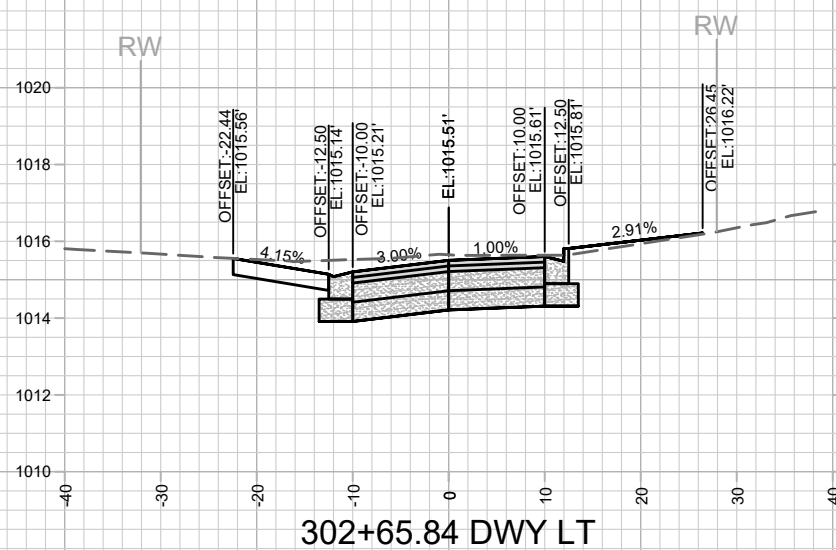
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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT
 MADISON, WI
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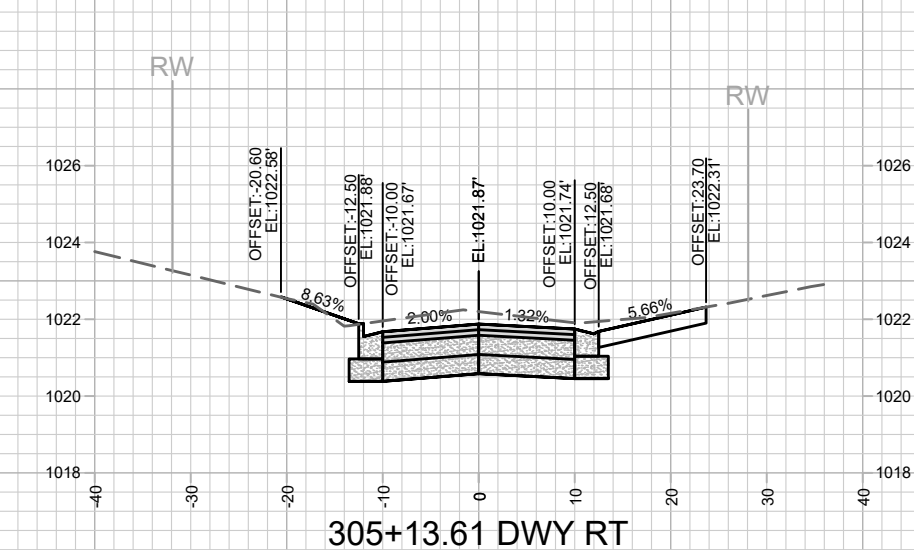
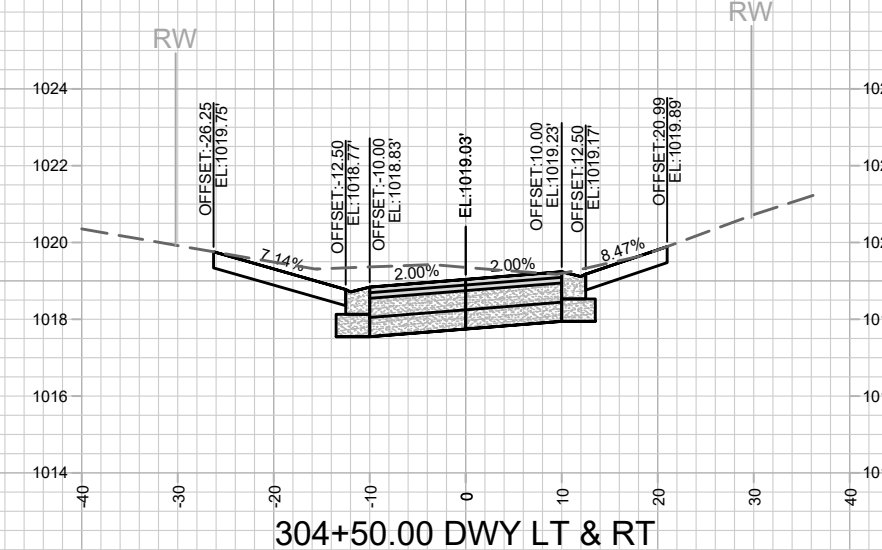
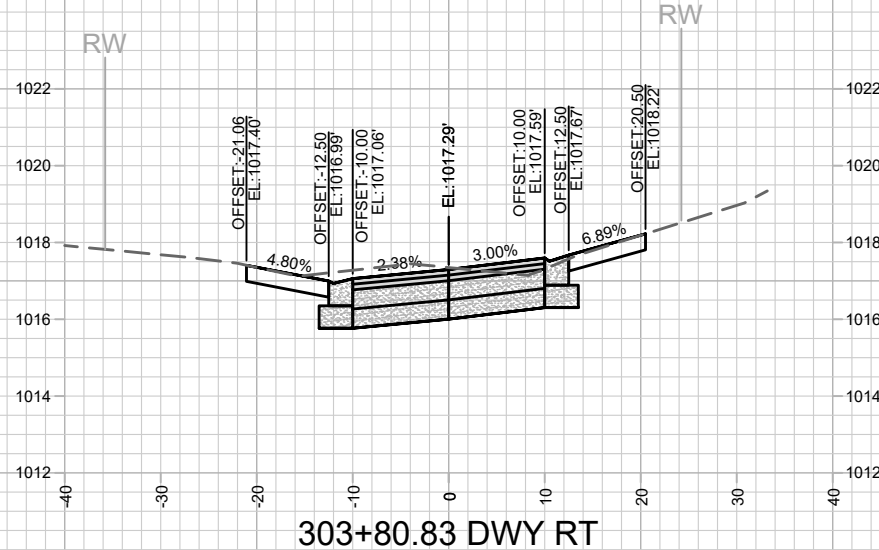
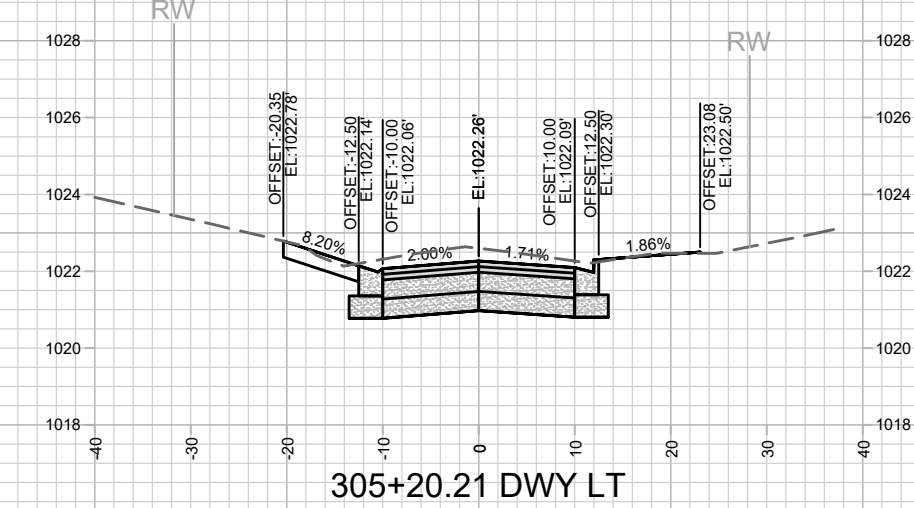
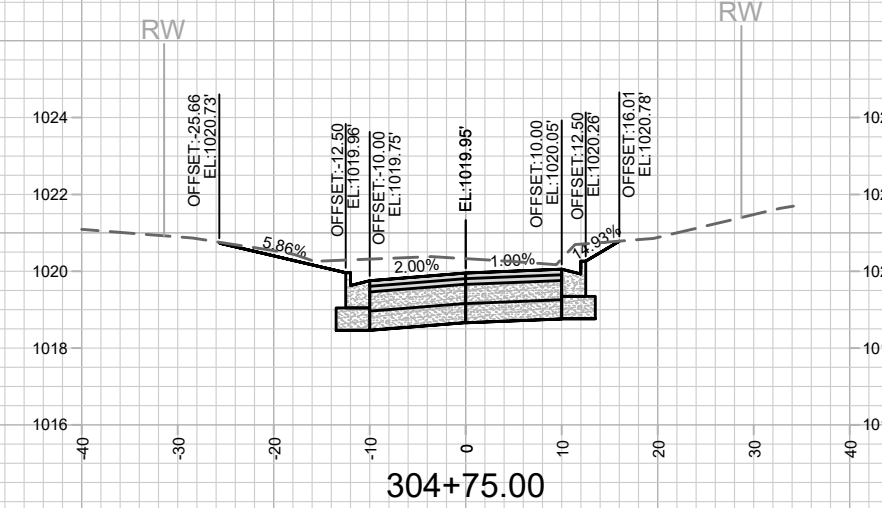
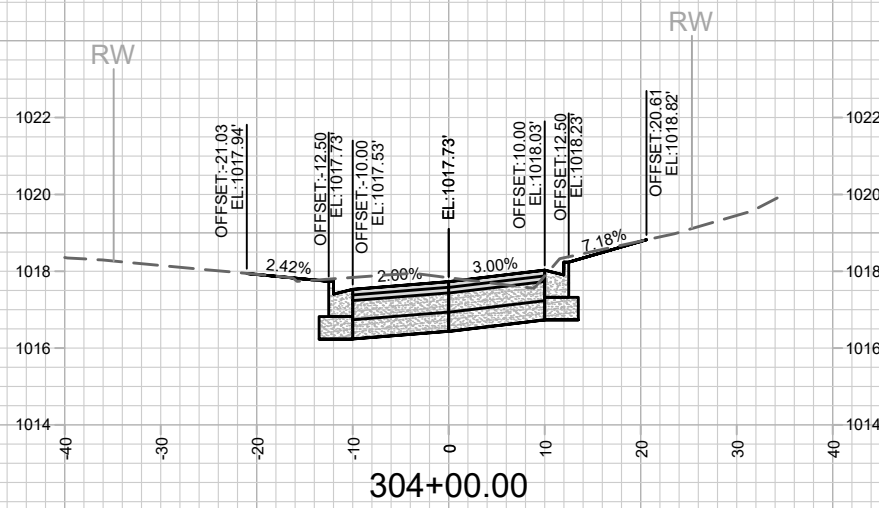
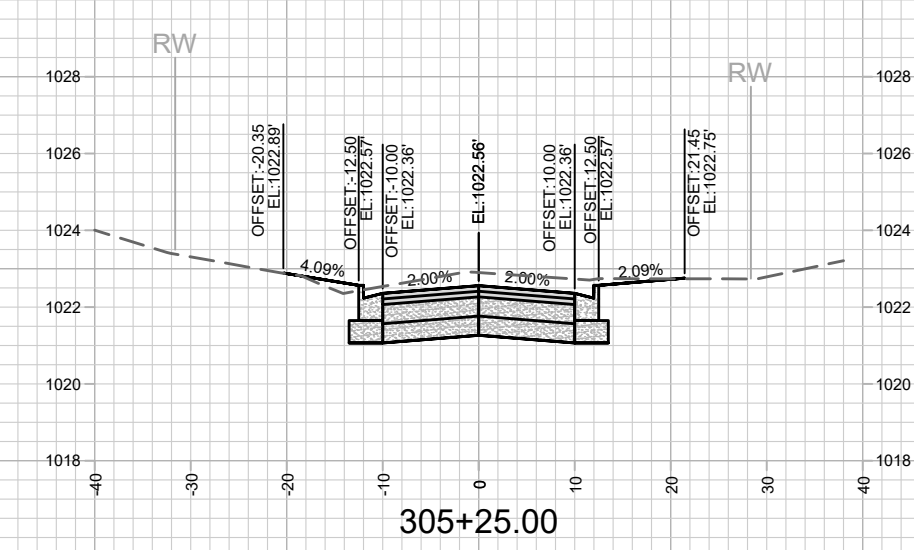
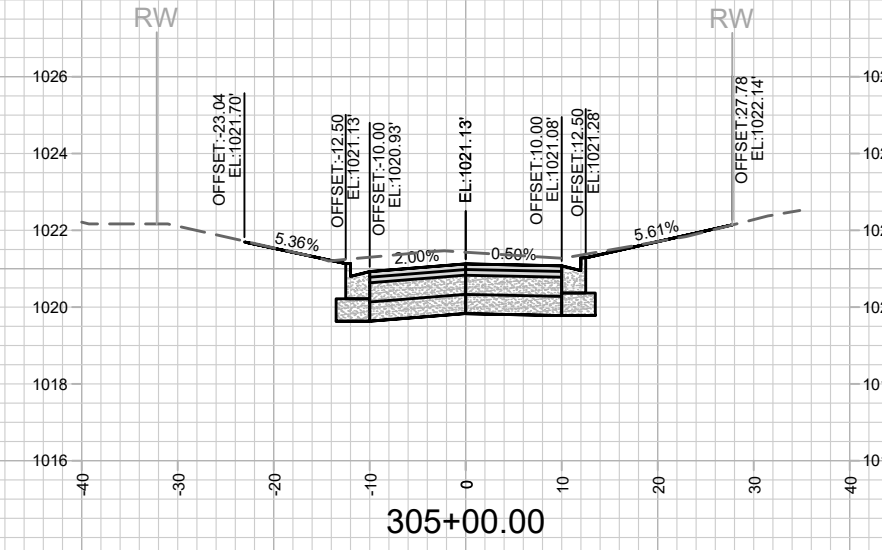
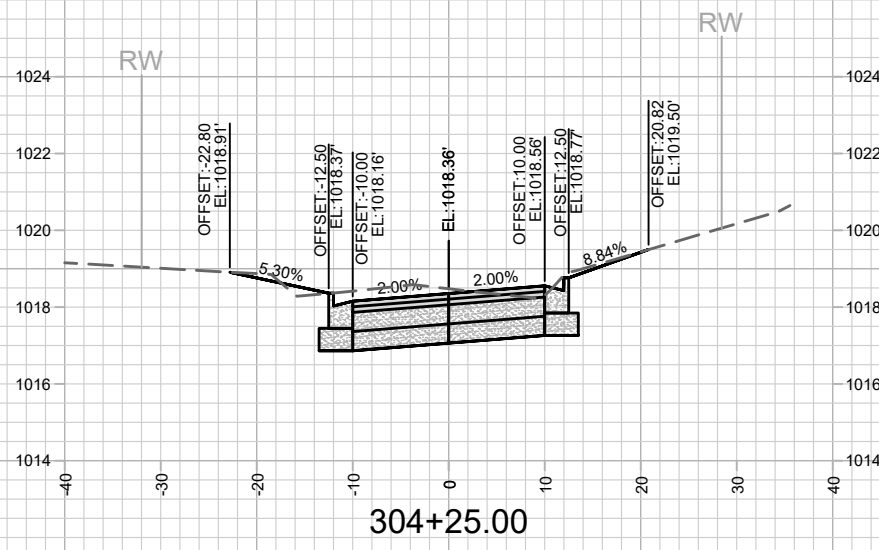
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 HILLCREST DR, STANDISH CT, & ALDEN DR RECONSTRUCTION PROJECT MADISON, WI
 CONTRACT NO: 8561
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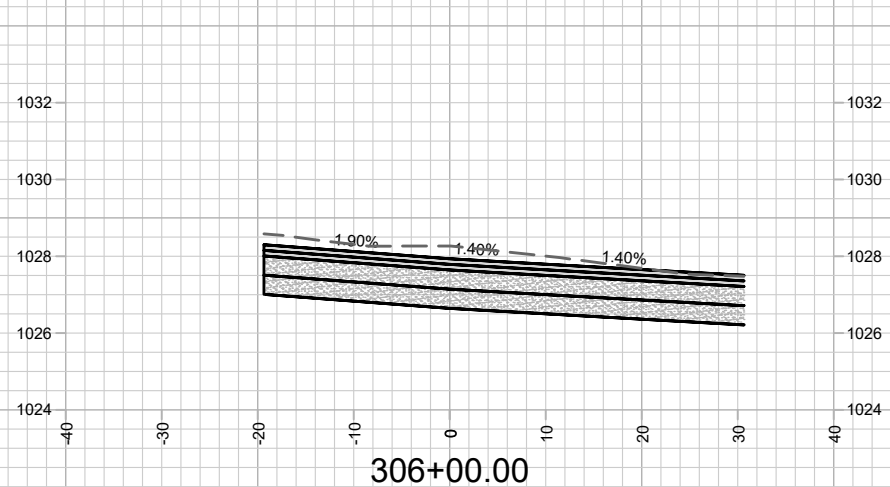
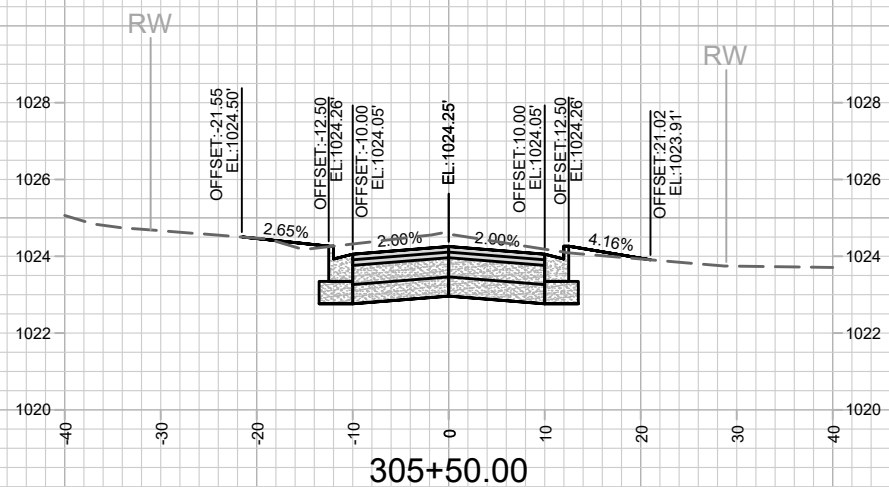
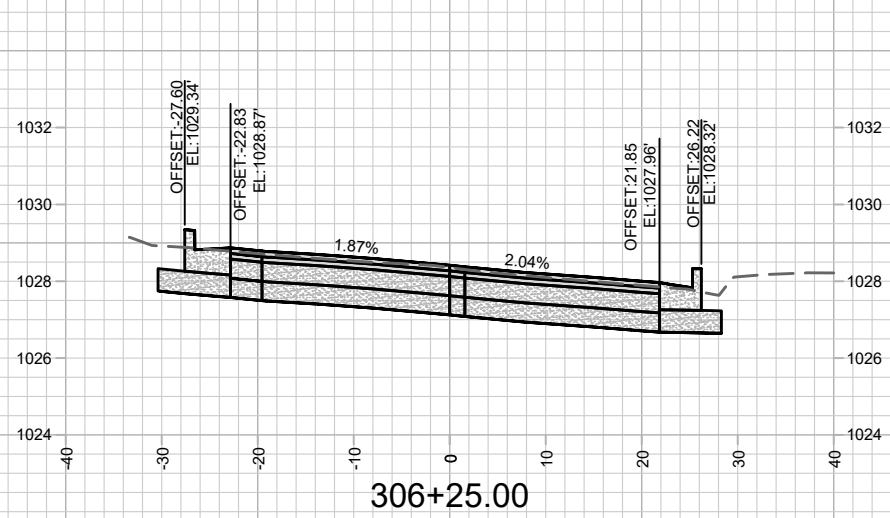
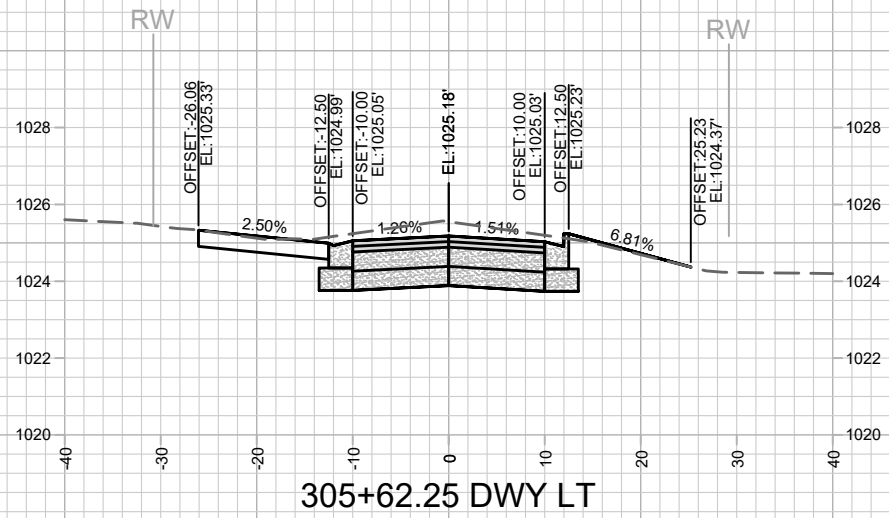
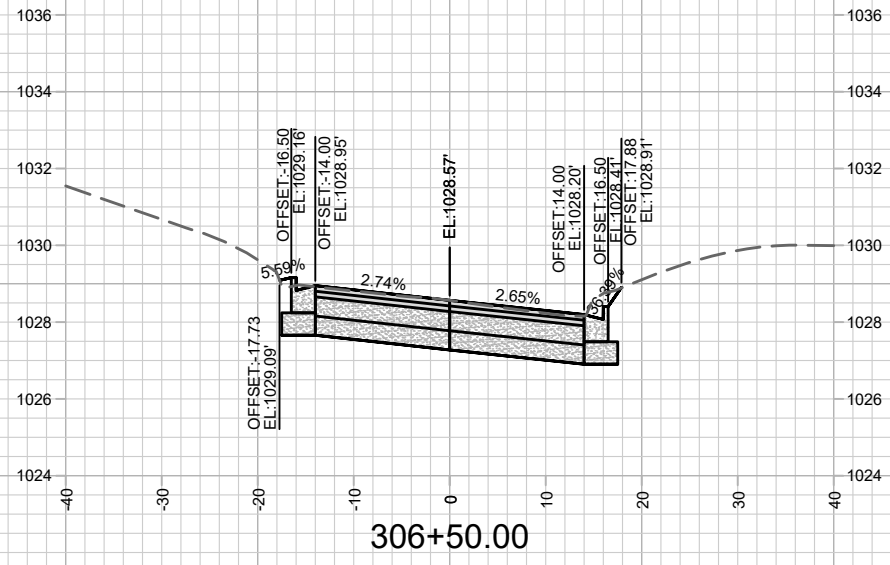
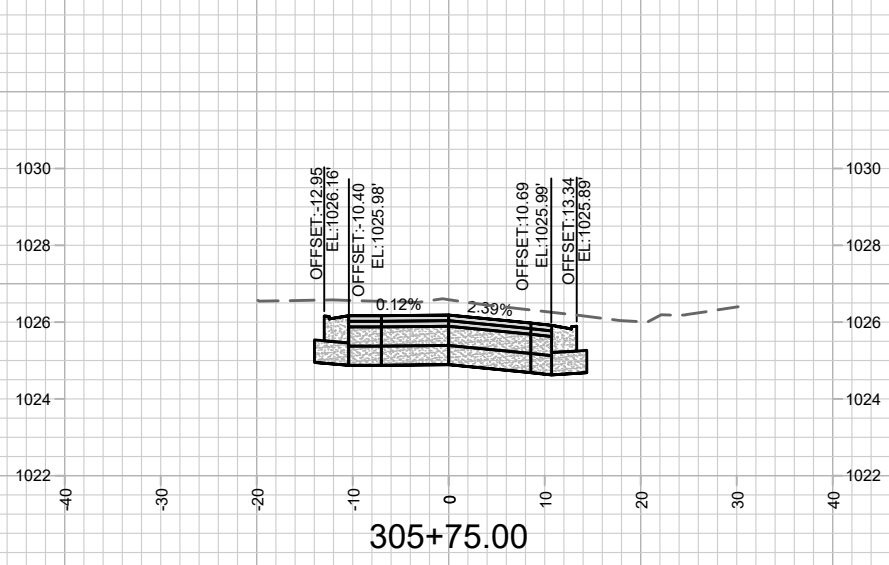


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Contract No: 8561			X-13

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 ALDEN DRIVE CROSS SECTIONS
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