

Madison, Wisconsin

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W3	WATER IMPACT PLAN
W4	WATER ESTIMATE OF MATERIALS
X1	CROSS SECTIONS
NO MAINTENANCE PLAN REQUIRED	

CITY OF MADISON

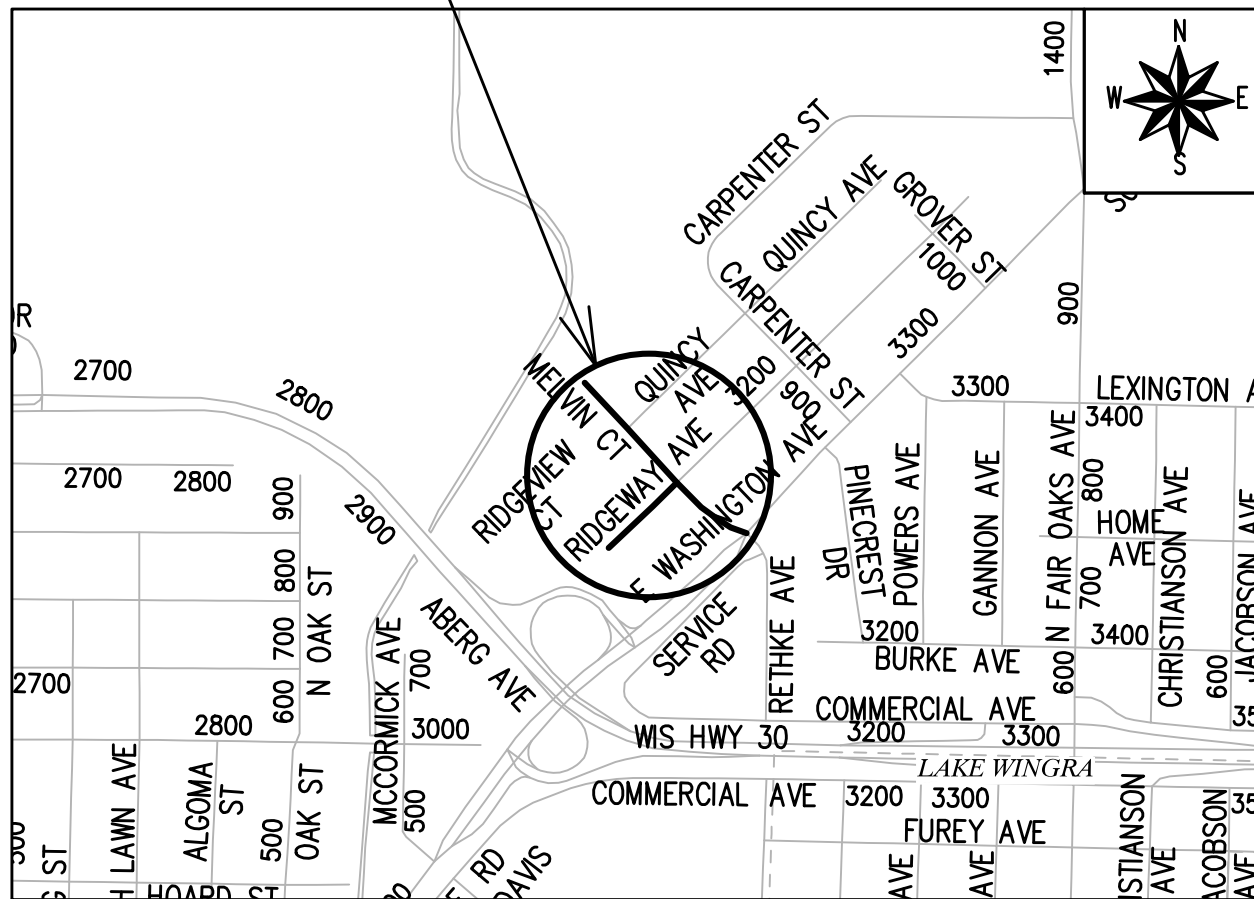
CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

MELVIN CT. AND RIDGEWAY AVE. RESURFACING ASSESSMENT DISTRICT - 2021

PROJECT LOCATION CITY PROJECT NO. 13177
CONTRACT NO. 8567



EARTH WORK SUMMARY:

EXCAVATION CUT(MEASURED PLAN QUANTITY) = 400 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT= 132 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT = 532 C.Y.

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

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

SIDEWALK RAMPS AND CURB THRU SIDEWALK RAMPS SHALL HAVE A MAXIMUM SLOPE OF 1" PER 12", SIDEWALK AND CURB RAMPS SHALL BE CONSTRUCTED WITH A SIDE SLOPE OF 1.50%. 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%.

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: JUNE 1, 2021

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Greg Fries Jun 11, 2021

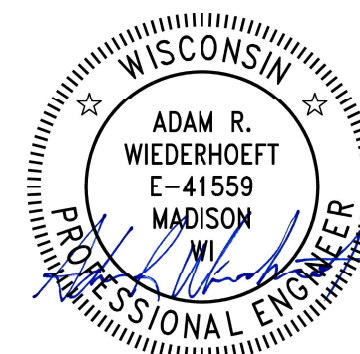
City Engineer Date

STREET DESIGNED BY:



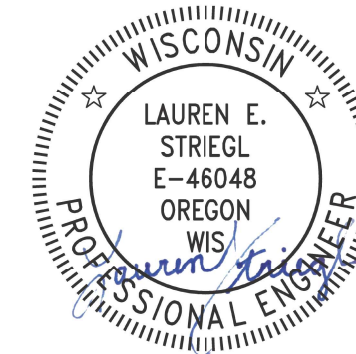
Jun 11, 2021

WATER MAIN DESIGNED BY:



Jun 11, 2021

STORM SEWER DESIGNED BY:



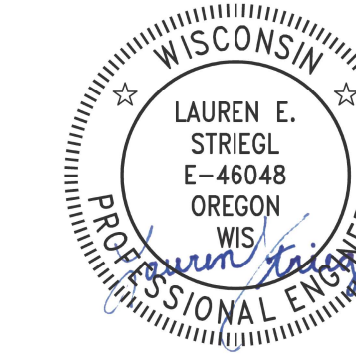
Jun 11, 2021

GEOMETRICS DESIGNED BY:



Jun 11, 2021

SANITARY SEWER DESIGNED BY:



Jun 11, 2021

PLOT SCALE: 1 IN=1 FT_XREF

REV. DATE: 6/8/2021 2:33 PM

ORIGINATOR: CITY OF MADISON

ROW

56.0'

ROW

VARIES
14.5' TO 15.0'

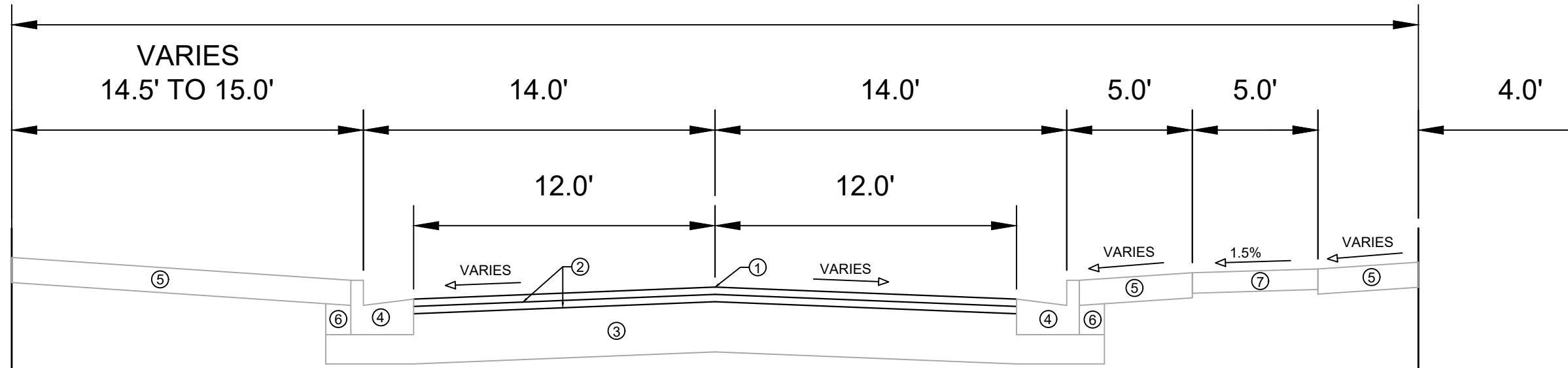
14.0'

14.0'

5.0'

5.0'

4.0'



TYPICAL SECTION
MELVIN COURT
QUINCY AVE. TO RIDGEWAY AVE.

ROW

56.0'

ROW

1.0'

5.0'

8.0'

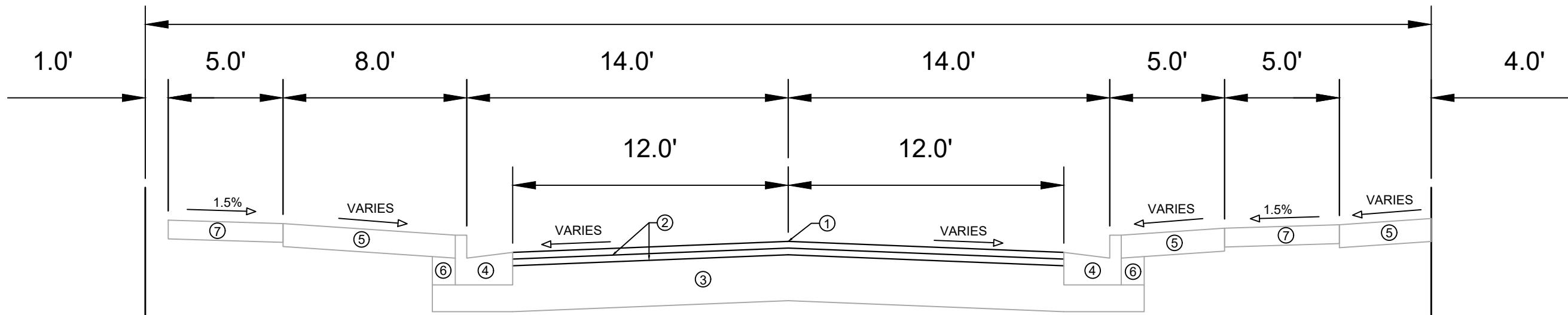
14.0'

14.0'

5.0'

5.0'

4.0'



TYPICAL SECTION
MELVIN COURT
CUL-DE-SAC TO QUINCY AVE

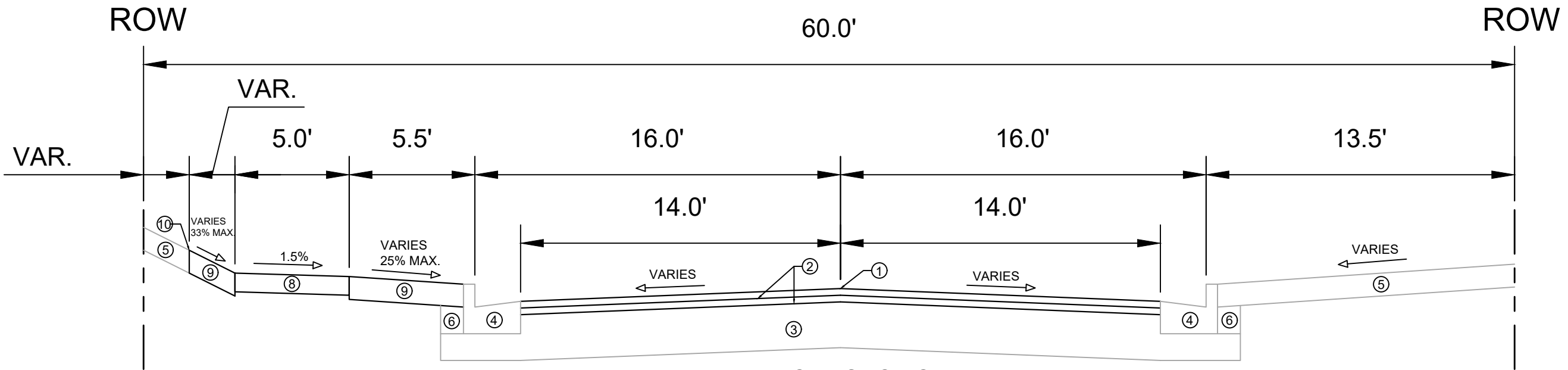
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- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ EXISTING BASE COURSE TO REMAIN.
- ④ EXISTING CONCRETE CURB AND GUTTER TYPE 'A'. REMOVE AND REPLACE AS SHOWN ON THE P-SHEETS OR AS DIRECTED BY THE ENGINEER.
- ⑤ RESTORE DISTURBED AREAS WITH 6" TOPSOIL, SEED AND MATTING
- ⑥ FILL INCIDENTAL TO CURB AND GUTTER REPLACEMENT.
- ⑦ EXISTING 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE P-SHEETS OR AS DIRECTED BY THE ENGINEER

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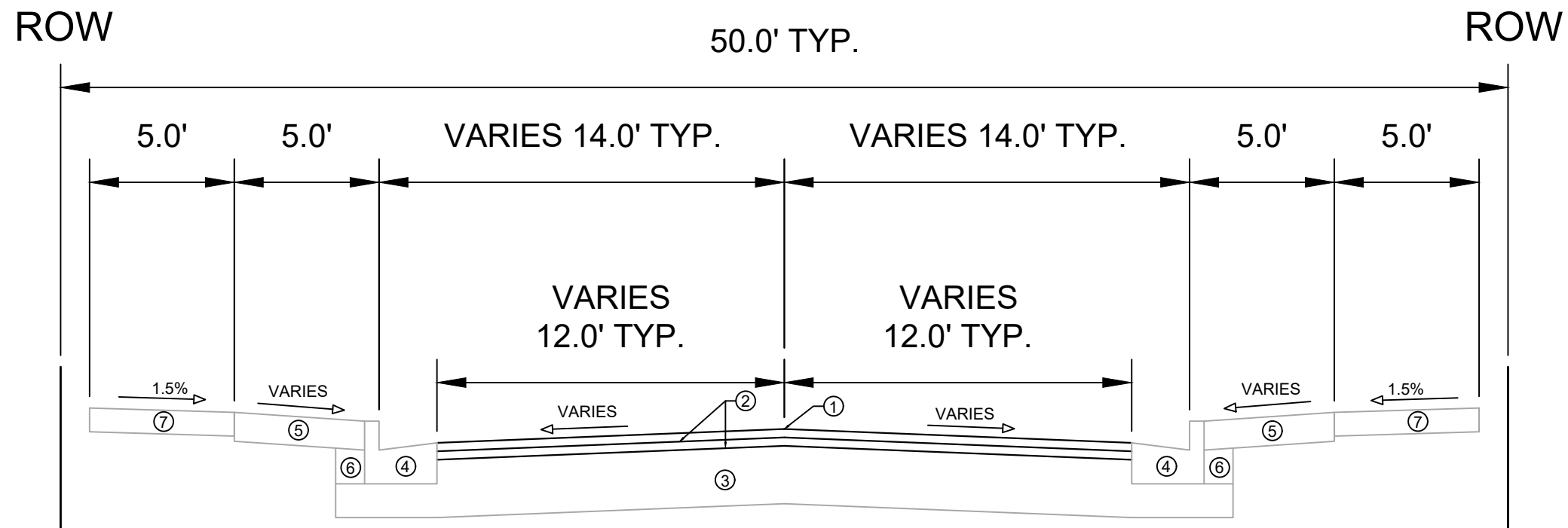
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 TYPICAL SECTIONS
 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021 MADISON, WI
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 CONTRACT NO: 8567



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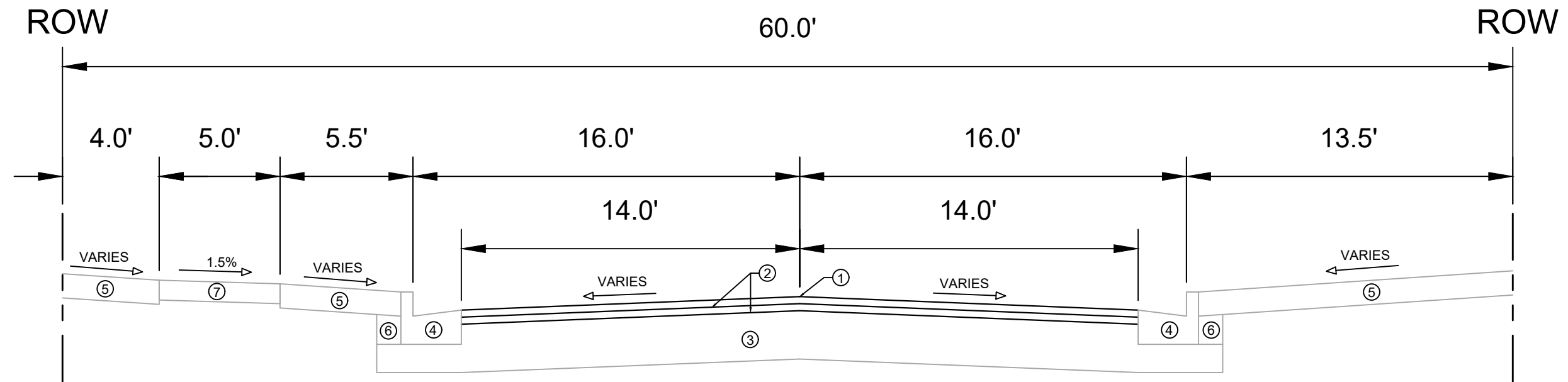
TYPICAL SECTION
RIDGEWAY AVENUE
STA 21+22 TO STA 22+19



TYPICAL SECTION
MELVIN COURT
RIDGEWAY AVE. TO E WASHINGTON AVE.

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ EXISTING BASE COURSE TO REMAIN.
- ④ EXISTING CONCRETE CURB AND GUTTER TYPE 'A'. REMOVE AND REPLACE AS SHOWN ON THE P-SHEETS OR AS DIRECTED BY THE ENGINEER.
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- ⑦ EXISTING 5" CONCRETE SIDEWALK, REMOVE AND REPLACE AS SHOWN ON THE P-SHEETS OR AS DIRECTED BY THE ENGINEER.
- ⑧ NEW 5" CONCRETE SIDEWALK.
- ⑨ 6" TOPSOIL, SEED AND MATTING.
- ⑩ SLOPE INTERCEPT.

13177	MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021	MADISON, WI	13177	8567	D-2
TYPICAL SECTIONS M:\DESIGN\Projects\13177\CAD\Plan Sheets\13177-D SHEETS.dwg					
13177 D-2					



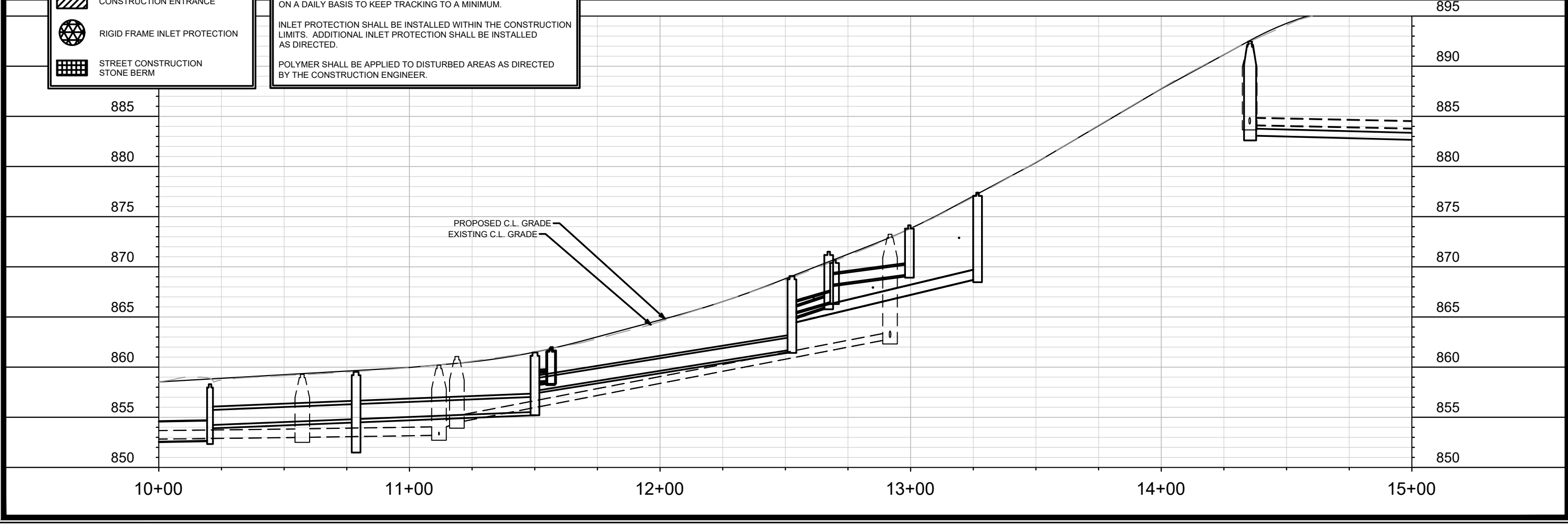
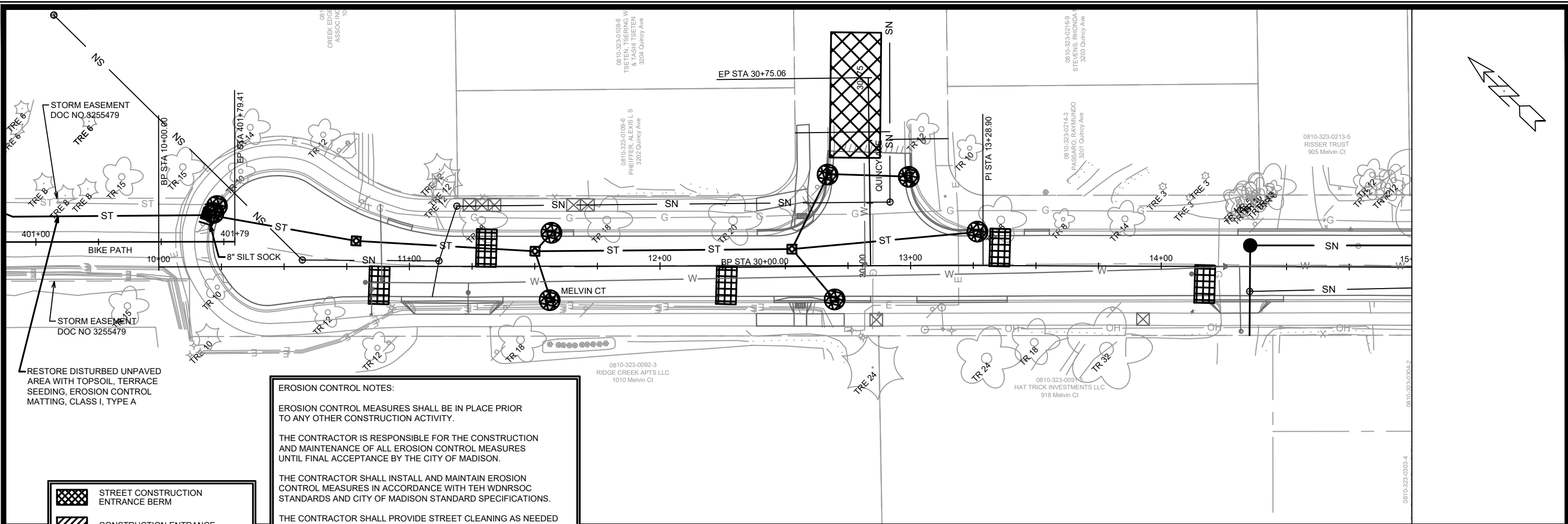
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 RIDGEWAY AVENUE
 STA 22+19 TO STA 23+93

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ EXISTING BASE COURSE TO REMAIN.
- ④ EXISTING CONCRETE CURB AND GUTTER TYPE 'A'. REMOVE AND REPLACE AS SHOWN ON THE P-SHEETS OR AS DIRECTED BY THE ENGINEER.
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13177
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 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021 MADISON, WI
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 CONTRACT NO: 8567





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 WDRSOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

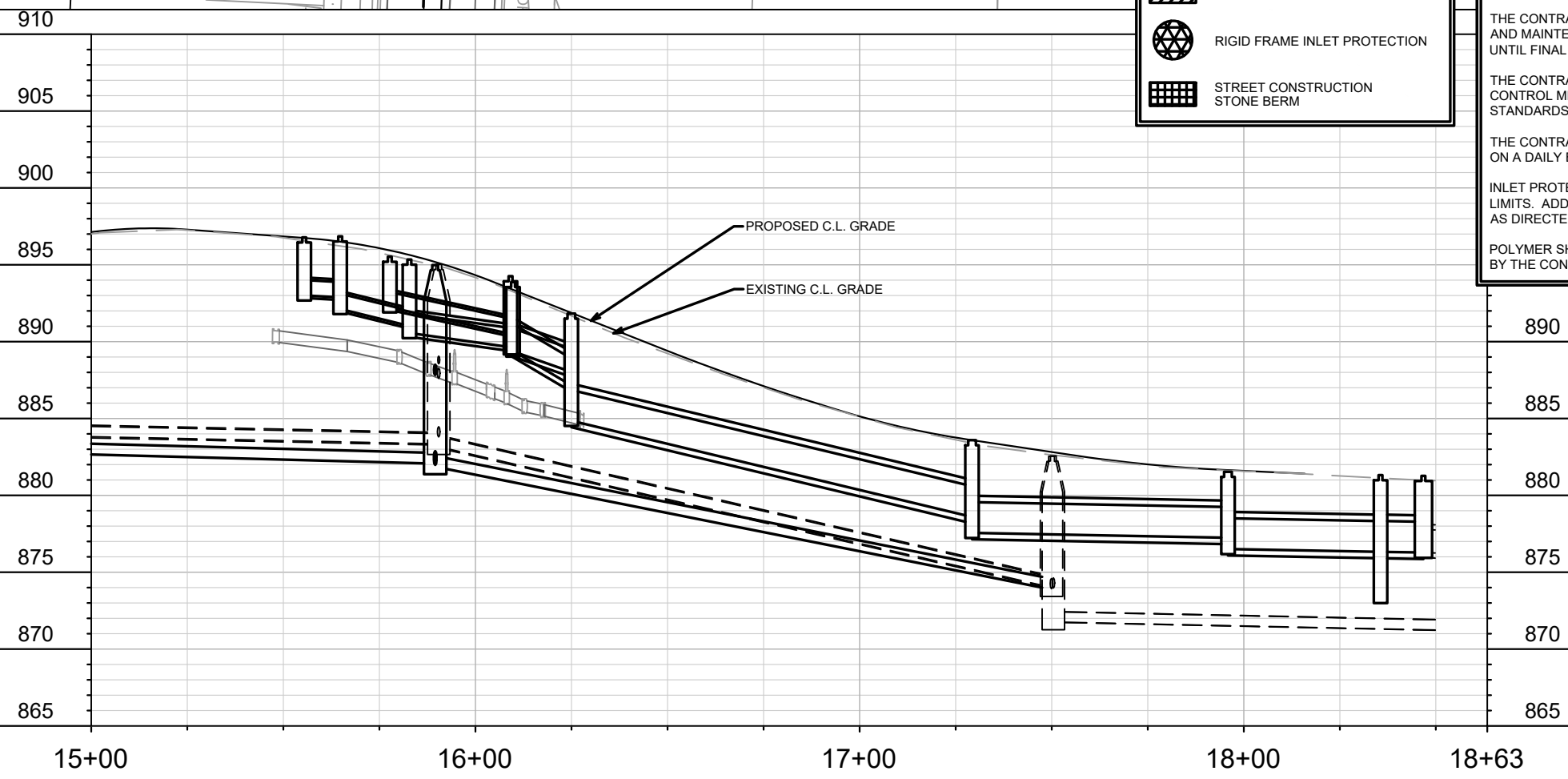
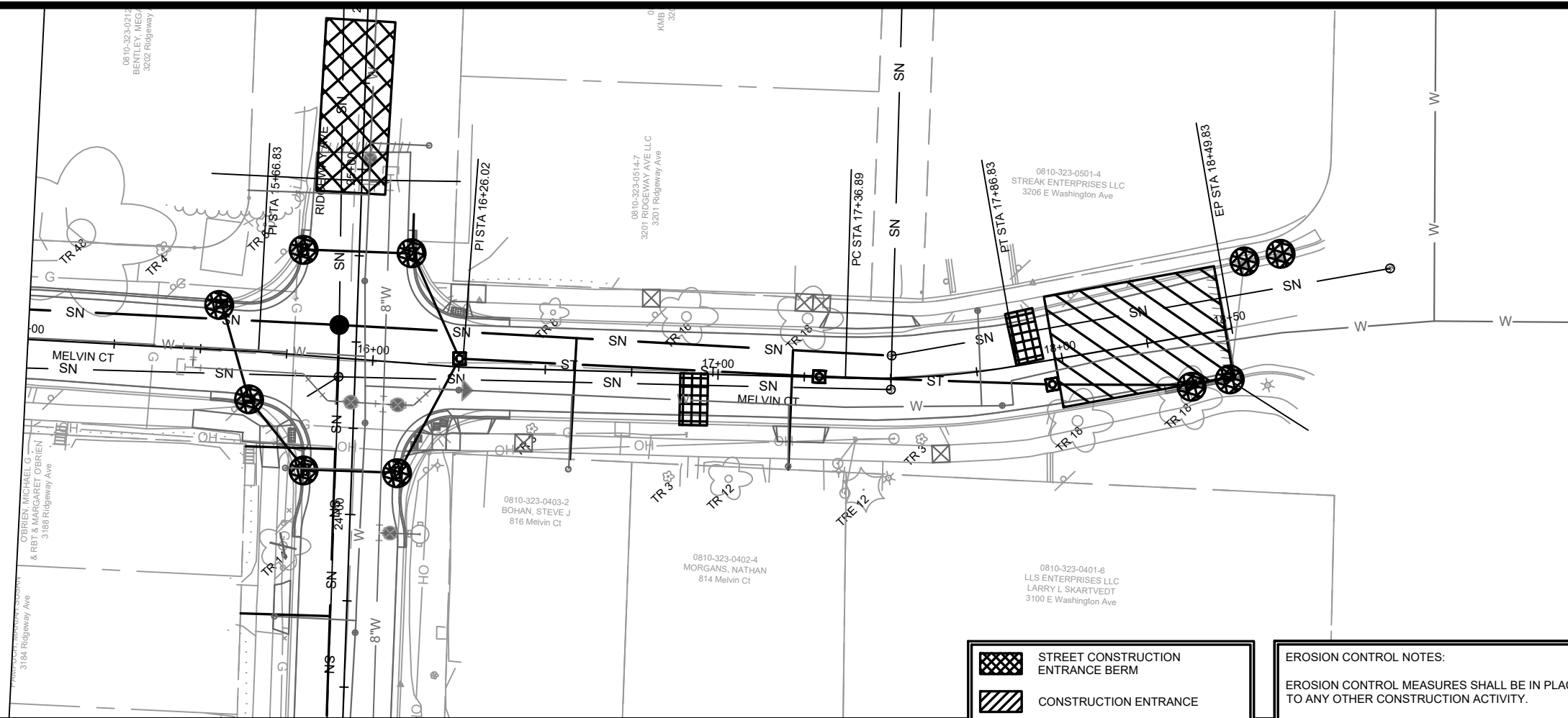
THE CONTRACTOR SHALL PROVIDE STREET CLEANING AS NEEDED ON A DAILY BASIS TO KEEP TRACKING TO A MINIMUM.





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
-  STREET CONSTRUCTION STONE BERM

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Contract No: 8567				
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-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  RIGID FRAME INLET PROTECTION
-  STREET CONSTRUCTION STONE BERM

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THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE 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.

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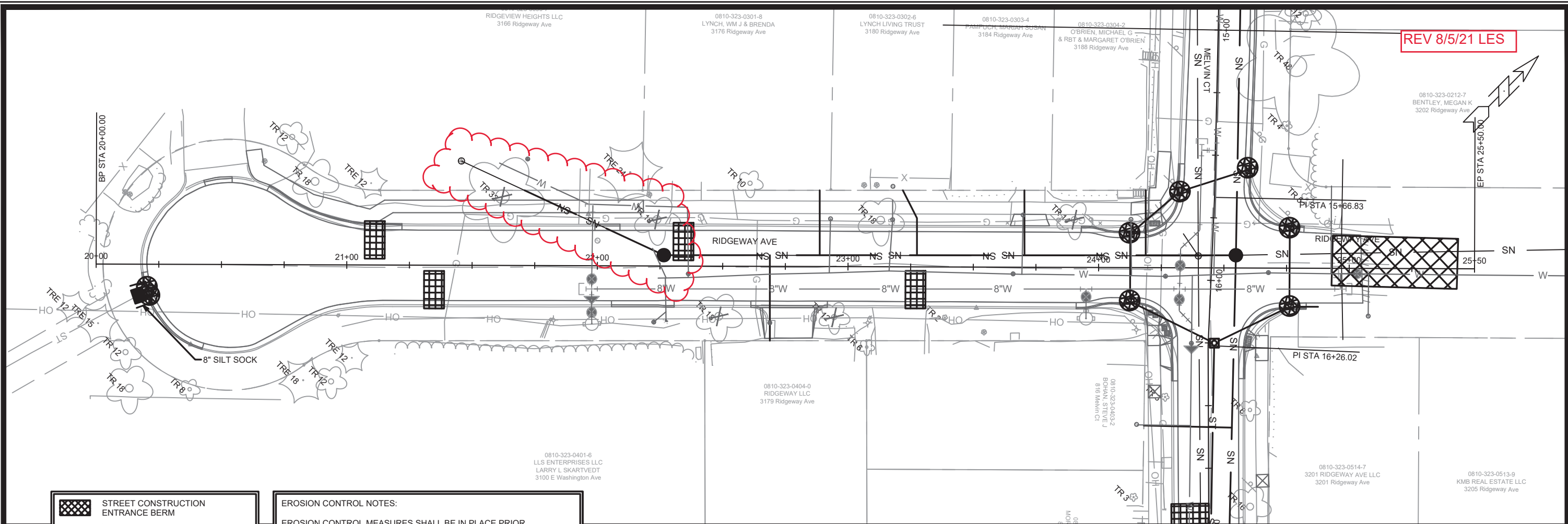
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13177
 MADISON, WI
 CONTRACT NO: 8567





EROSION CONTROL PLAN - MELVIN CT
 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021
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13177
 EC-2



REV 8/5/21 LES

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

EROSION CONTROL NOTES:

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

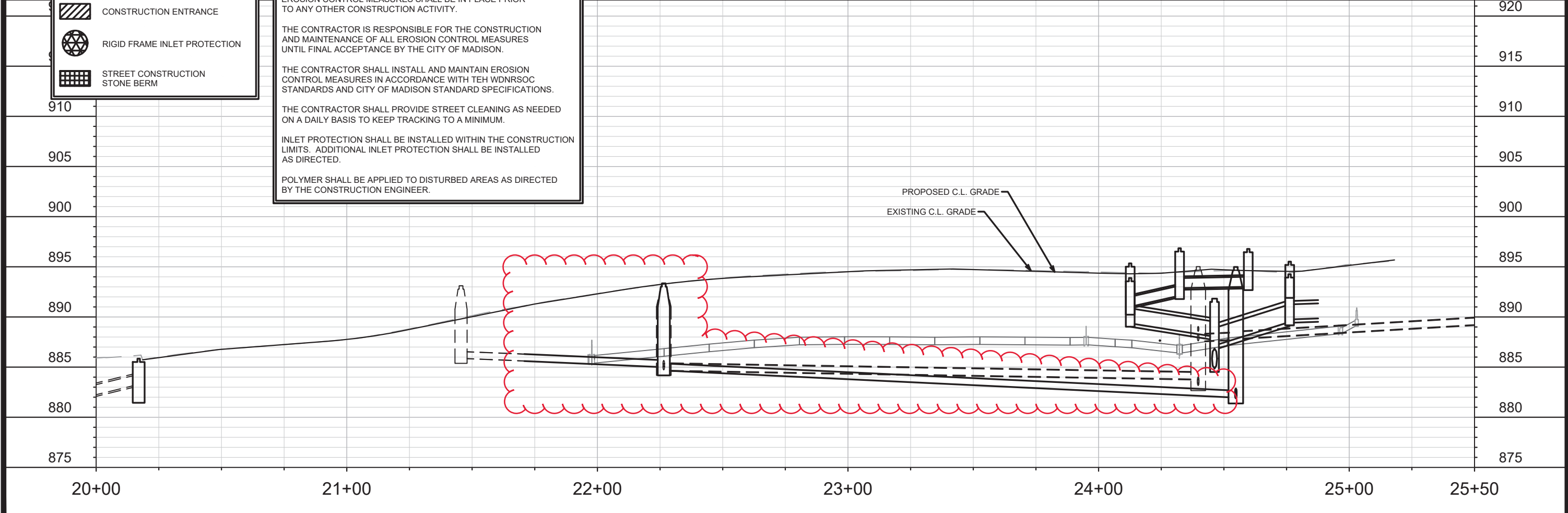
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THE CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES IN ACCORDANCE WITH THE WDNR SOC STANDARDS AND CITY OF MADISON STANDARD SPECIFICATIONS.

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





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



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13177	8567	8/5/21	LES

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 EROSION CONTROL PLAN - RIDGEWAY AVE
 MADISON, WI
 CONTRACT NO: 8567

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

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

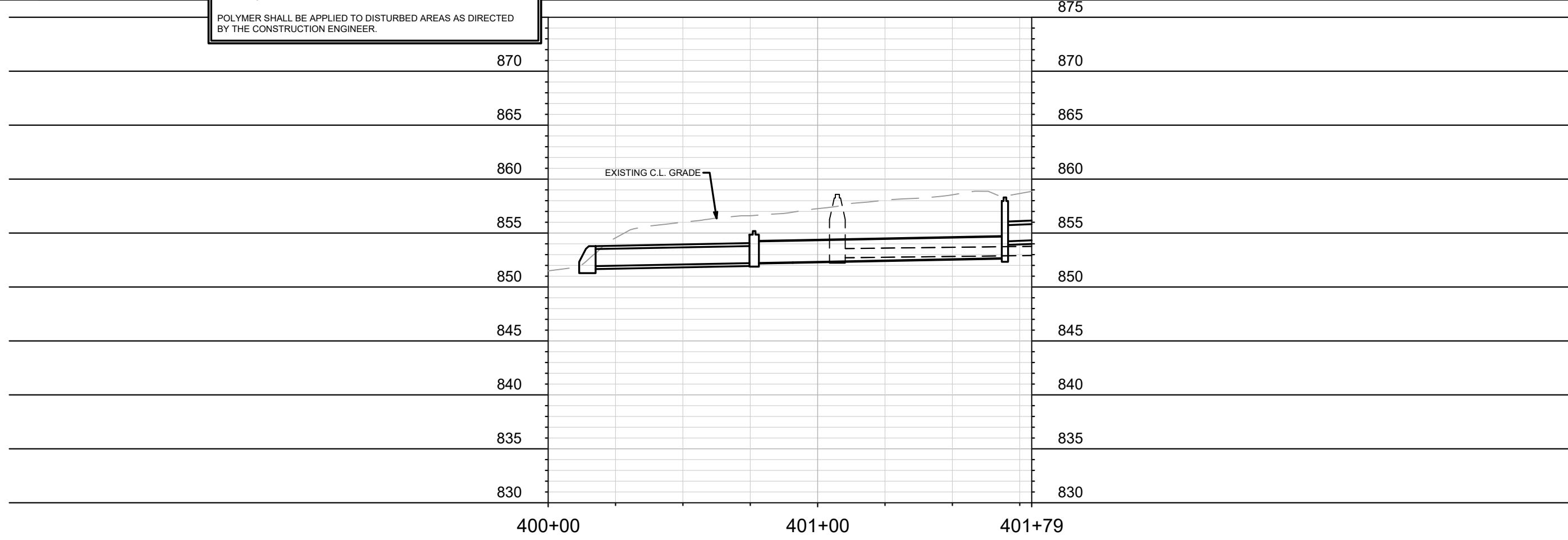
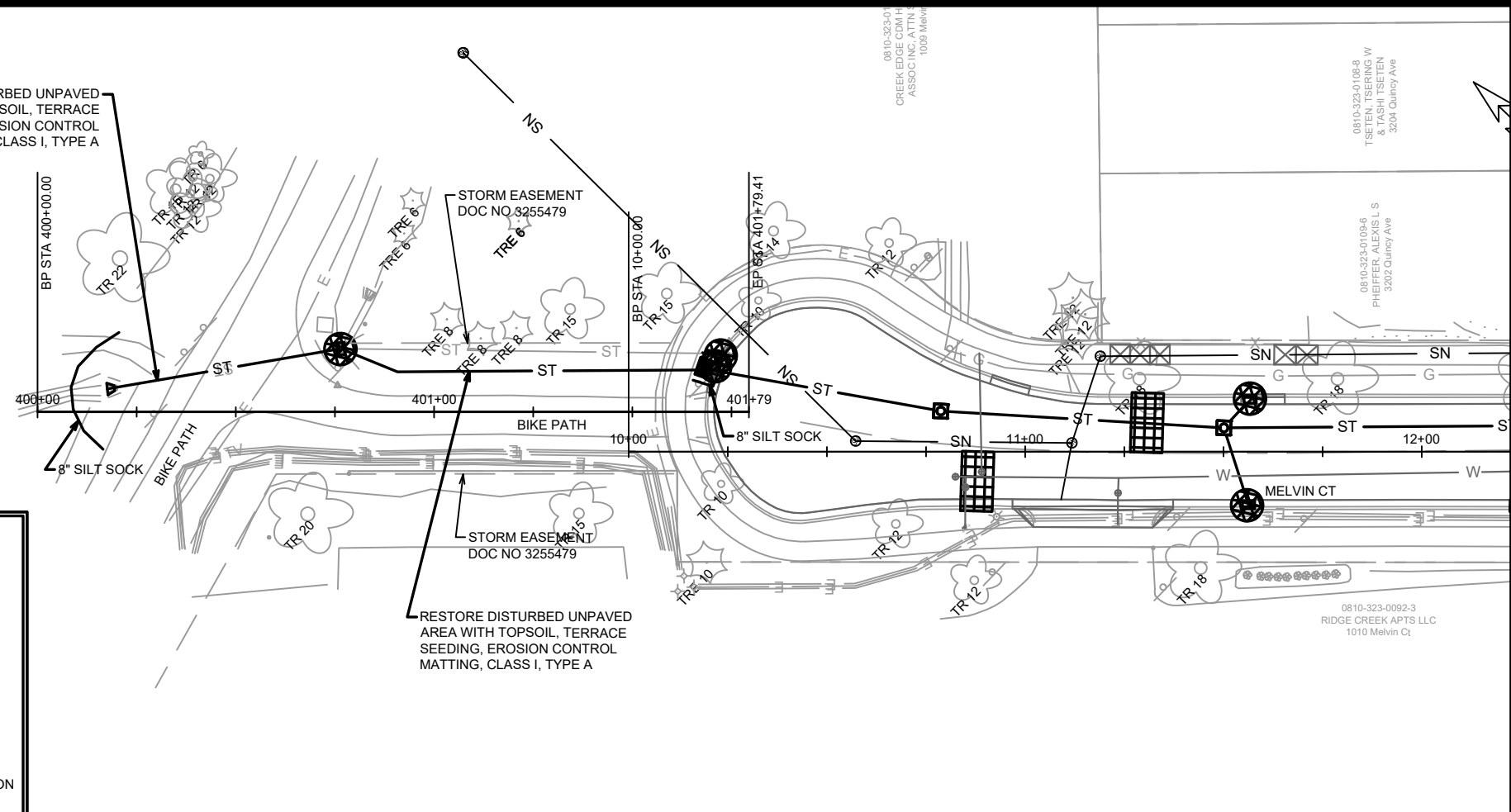
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.


RESTORE DISTURBED UNPAVED AREA WITH TOPSOIL, TERRACE SEEDING, EROSION CONTROL MATTING, CLASS I, TYPE A

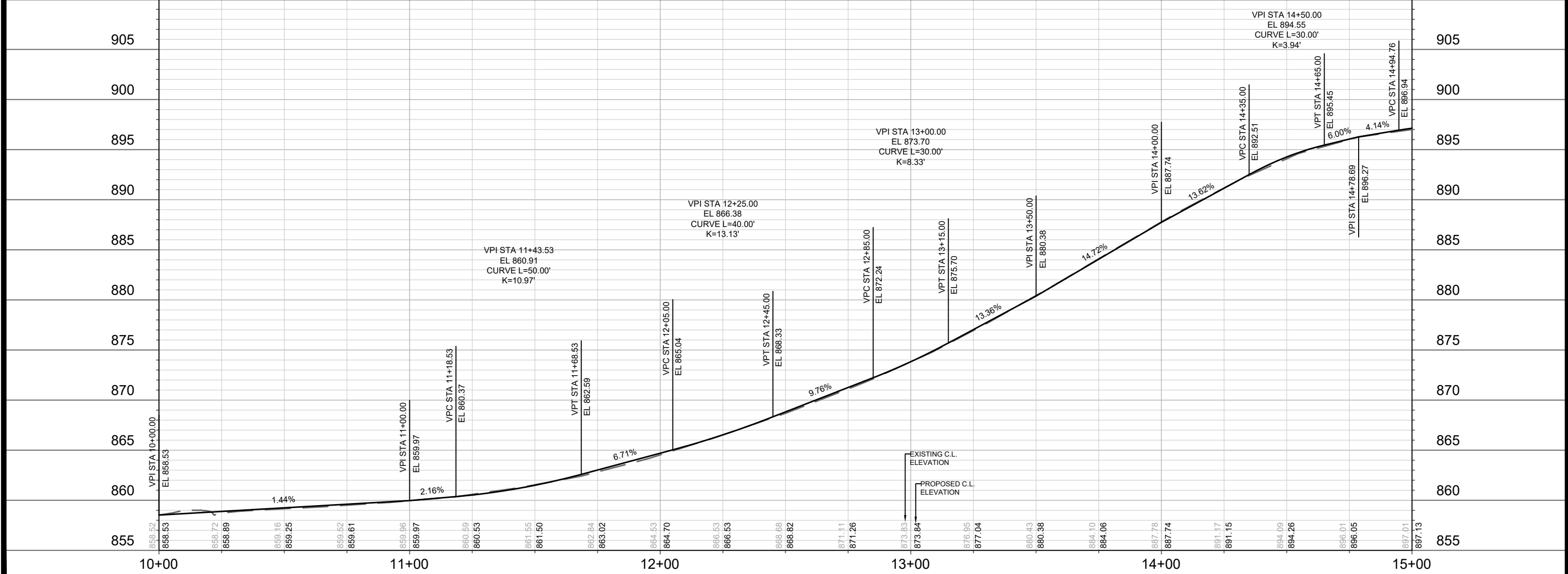
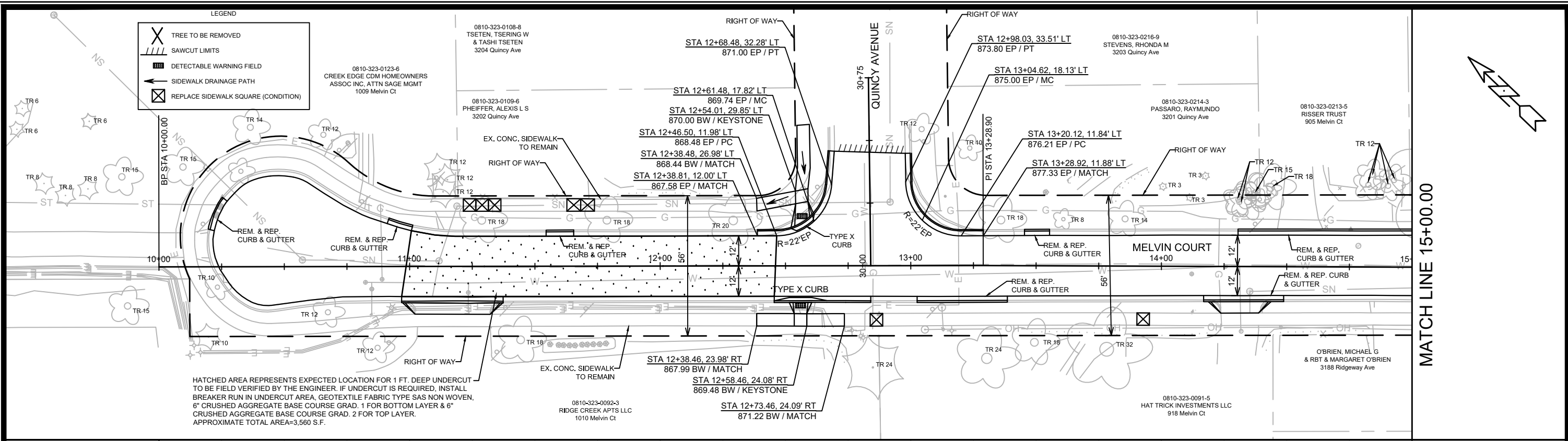
STORM EASEMENT DOC NO. 3255479

STORM EASEMENT DOC NO. 3255479

RESTORE DISTURBED UNPAVED AREA WITH TOPSOIL, TERRACE SEEDING, EROSION CONTROL MATTING, CLASS I, TYPE A



EROSION CONTROL PLAN - STORM SEWER DISCHARGE	
13177	MADISON, WI
MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021	
13177	CONTRACT NO.: 8567
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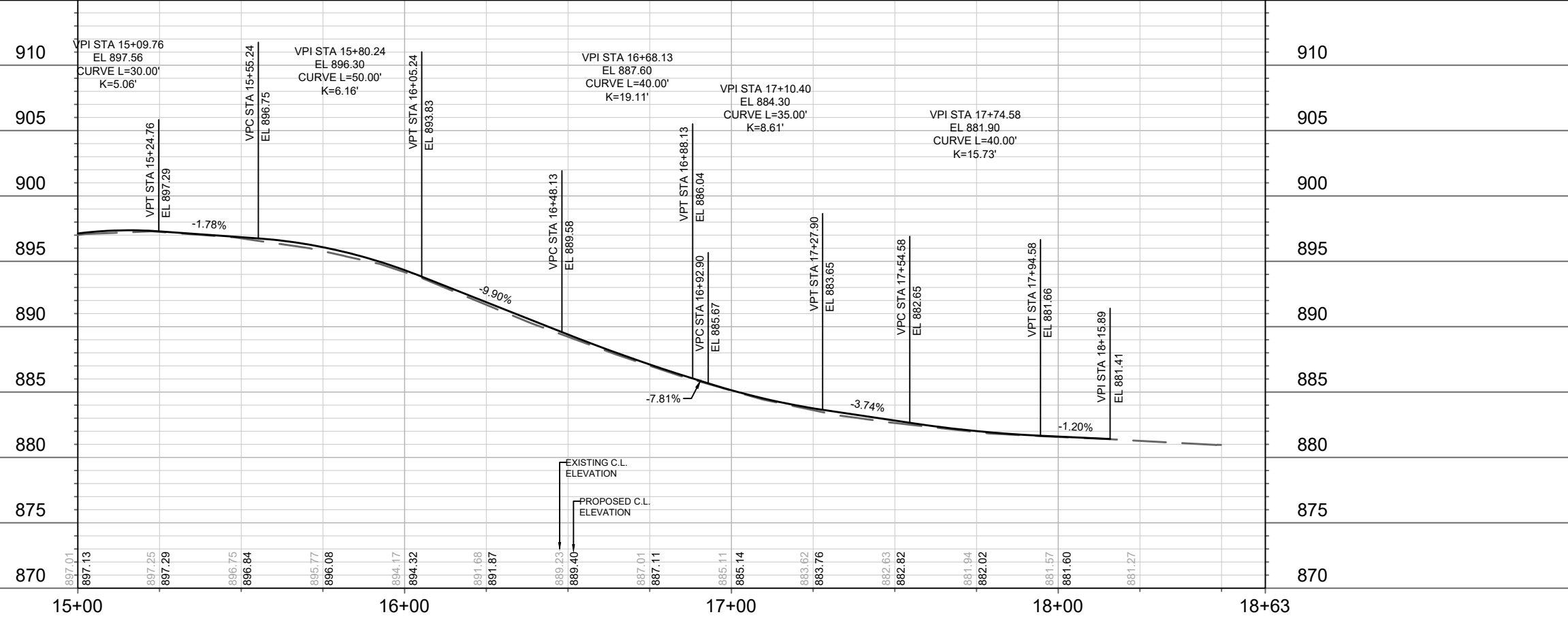
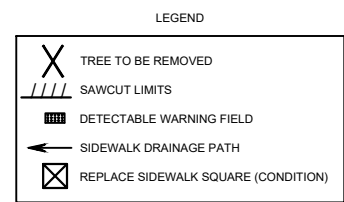
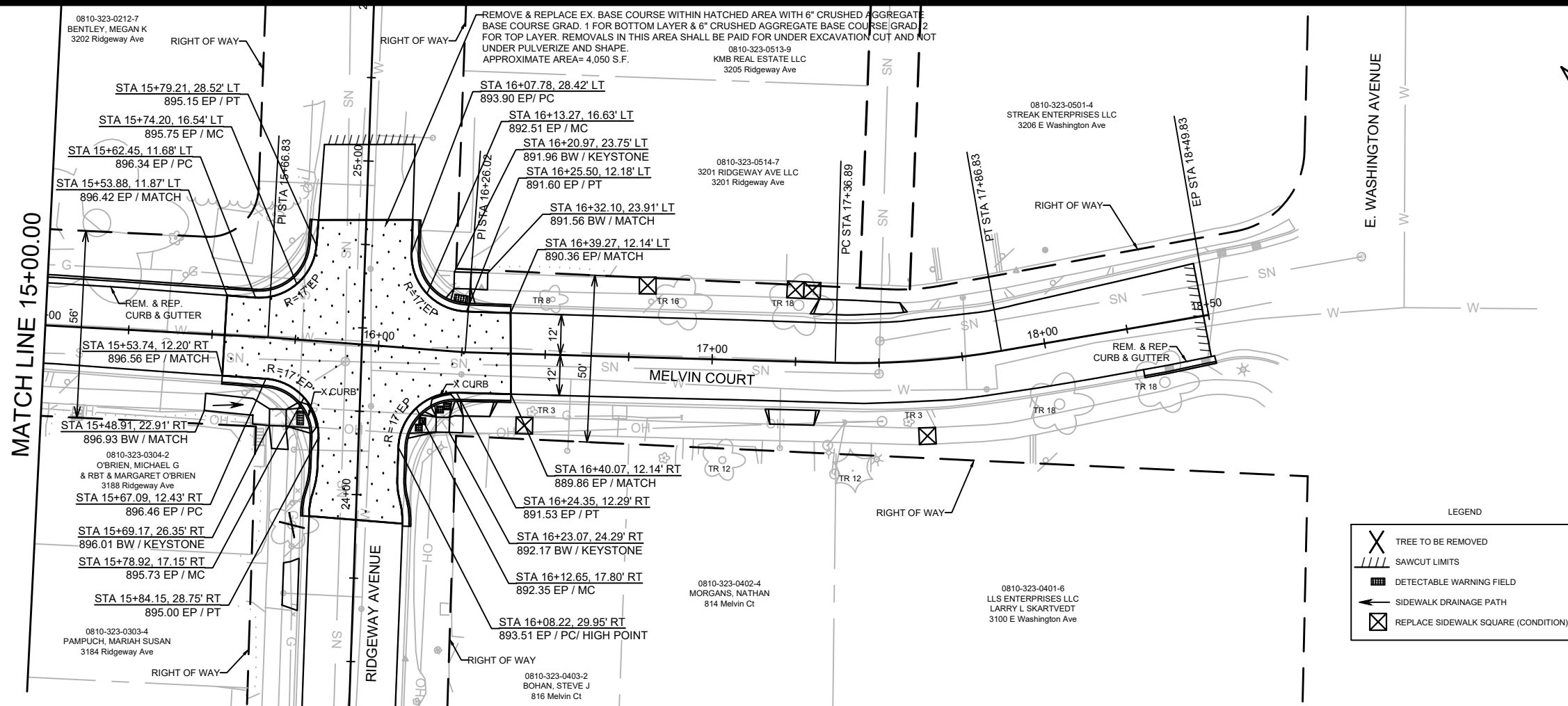


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MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021
CONTRACT NO: 8567
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P-1

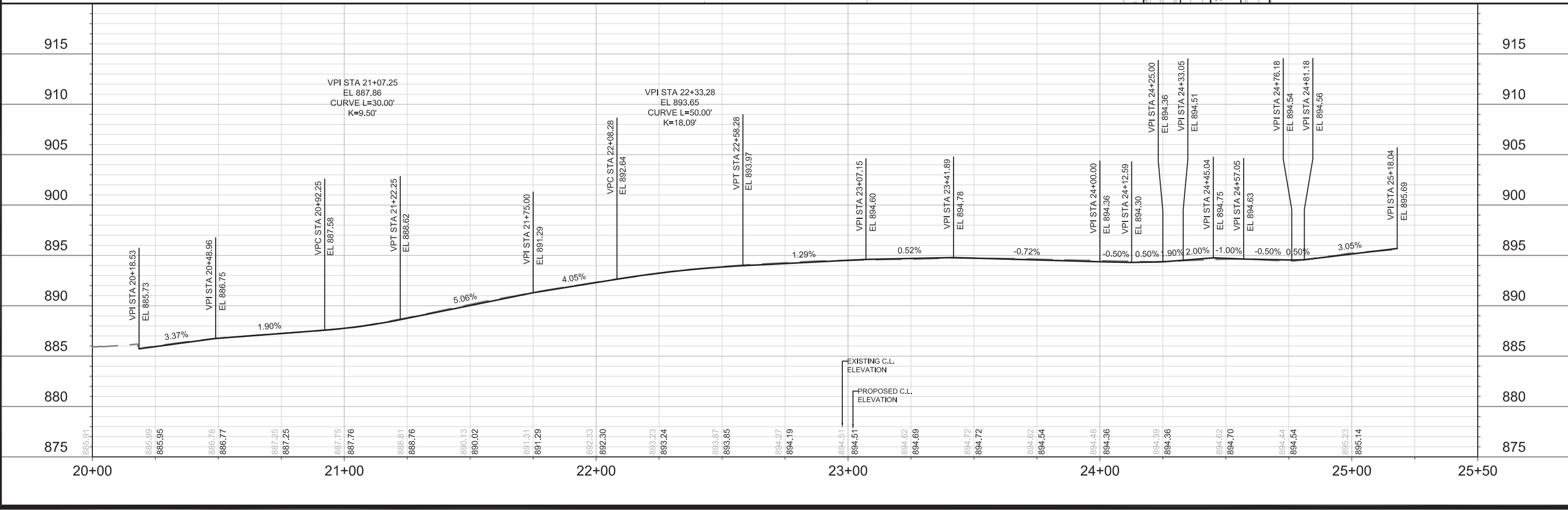
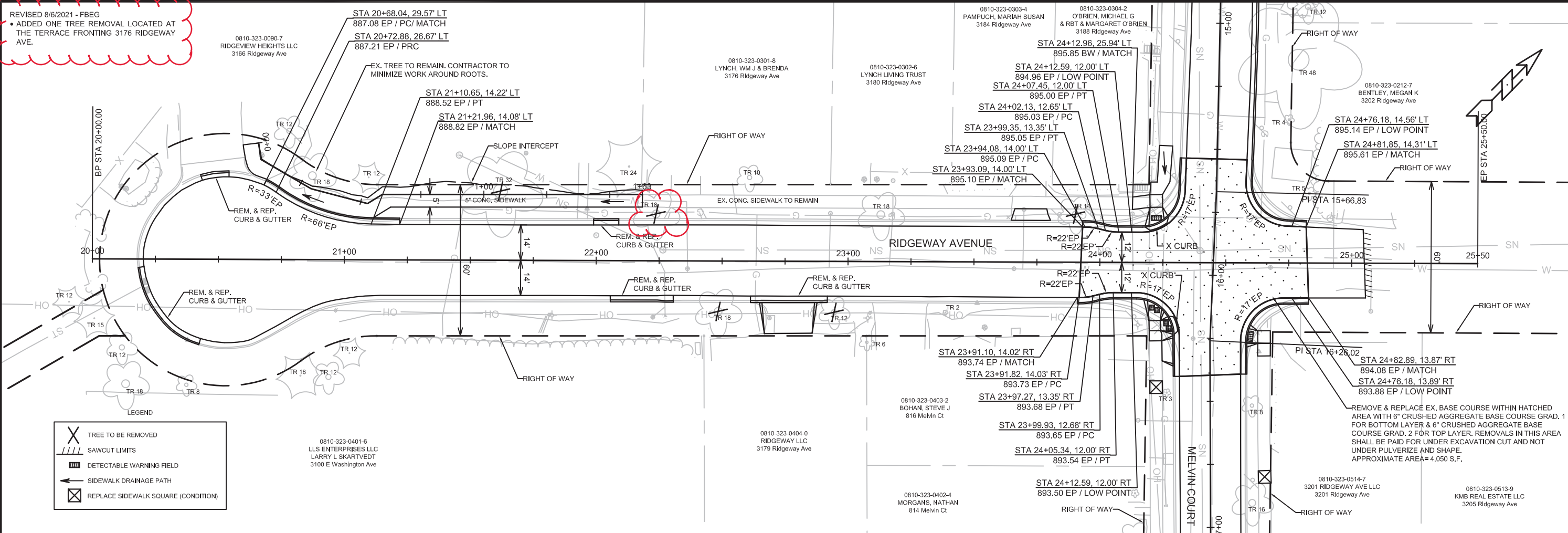


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 CONTRACT NO: 8567
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 MELVIN CT AND RIDGEMAN AVE RESURFACING ASSESSMENT DIST. 2021
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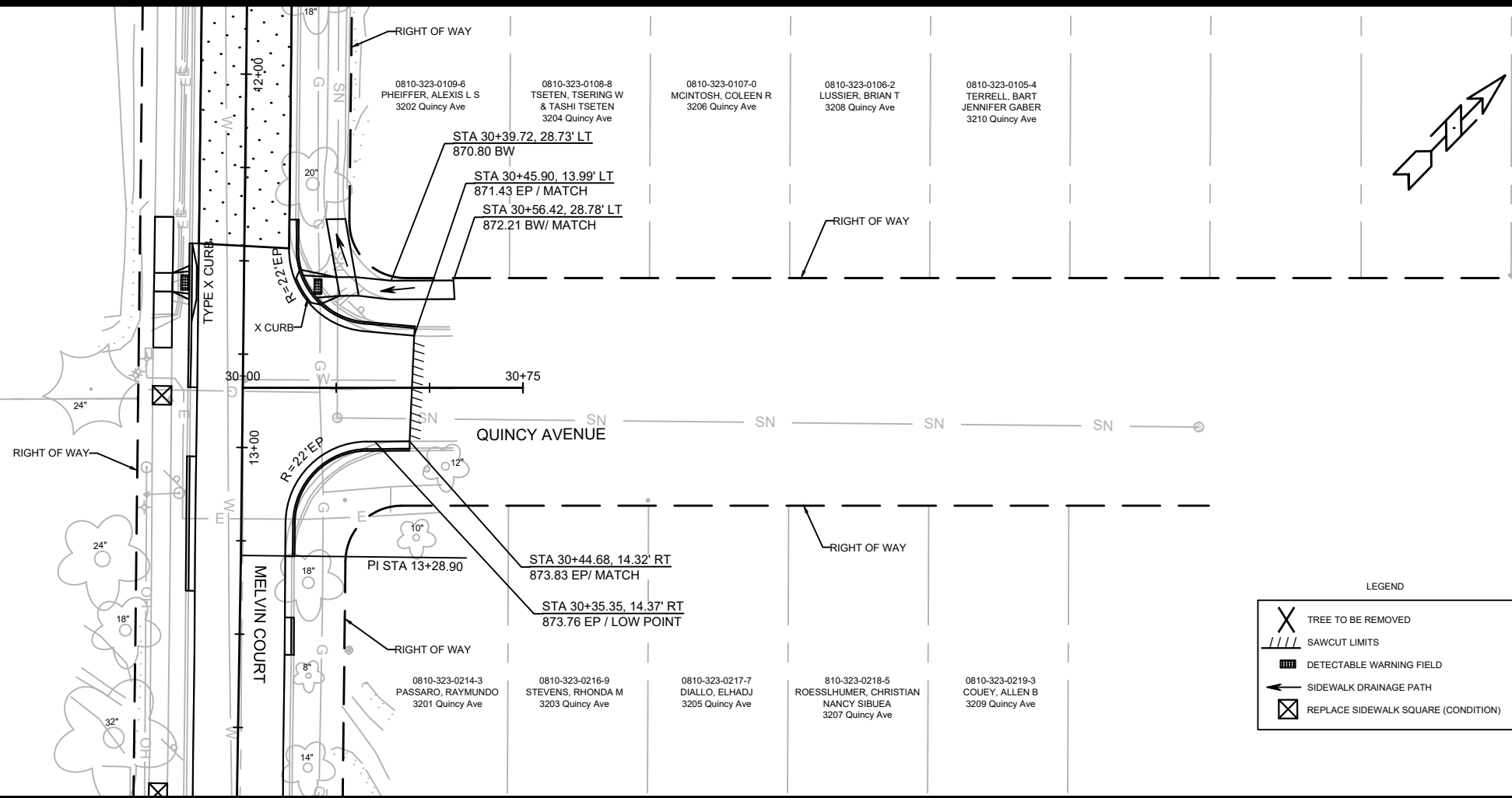
REVISED 8/6/2021 - FBEG
 • ADDED ONE TREE REMOVAL LOCATED AT THE TERRACE FRONTING 3176 RIDGEWAY AVE.



13177
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 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021 MADISON, WI
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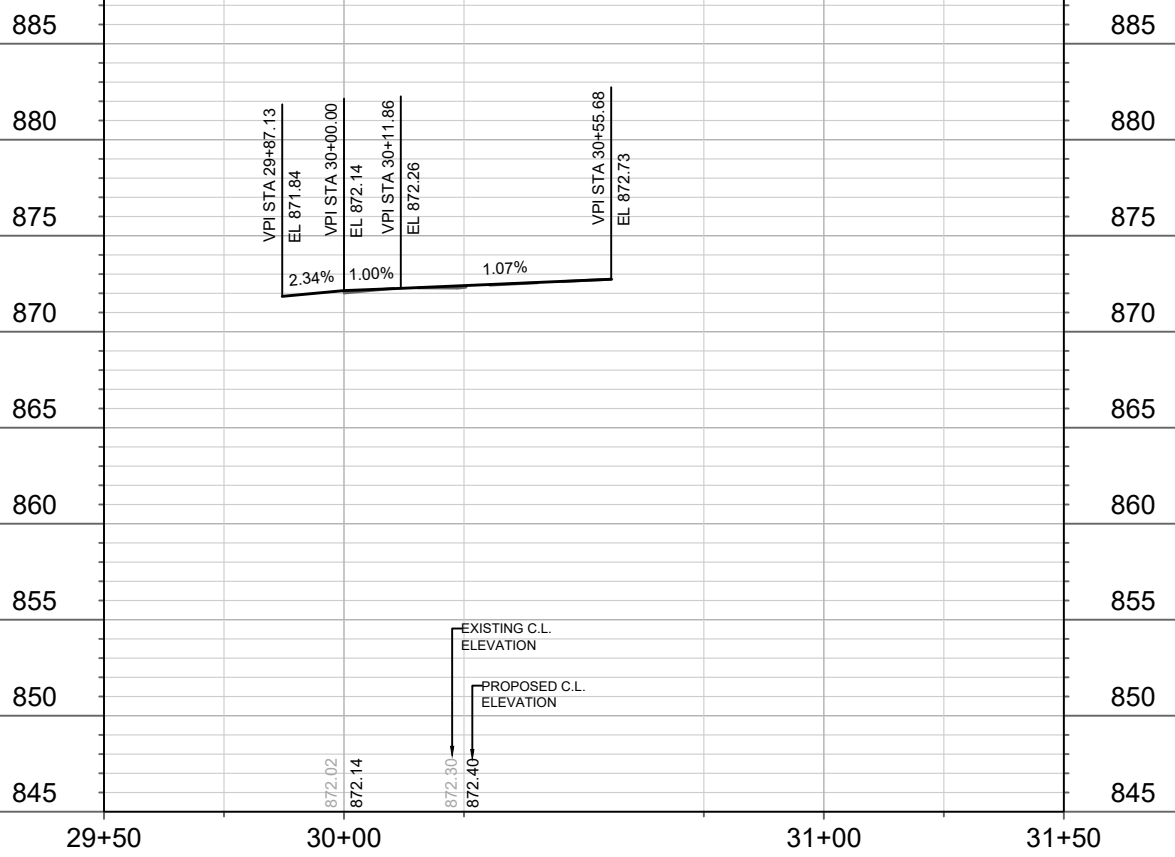
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RIDGE CREEK APTS LLC
1010 Melvin Ct

0810-323-0091-5
HAT TRICK INVESTMENTS LLC
918 Melvin Ct



LEGEND

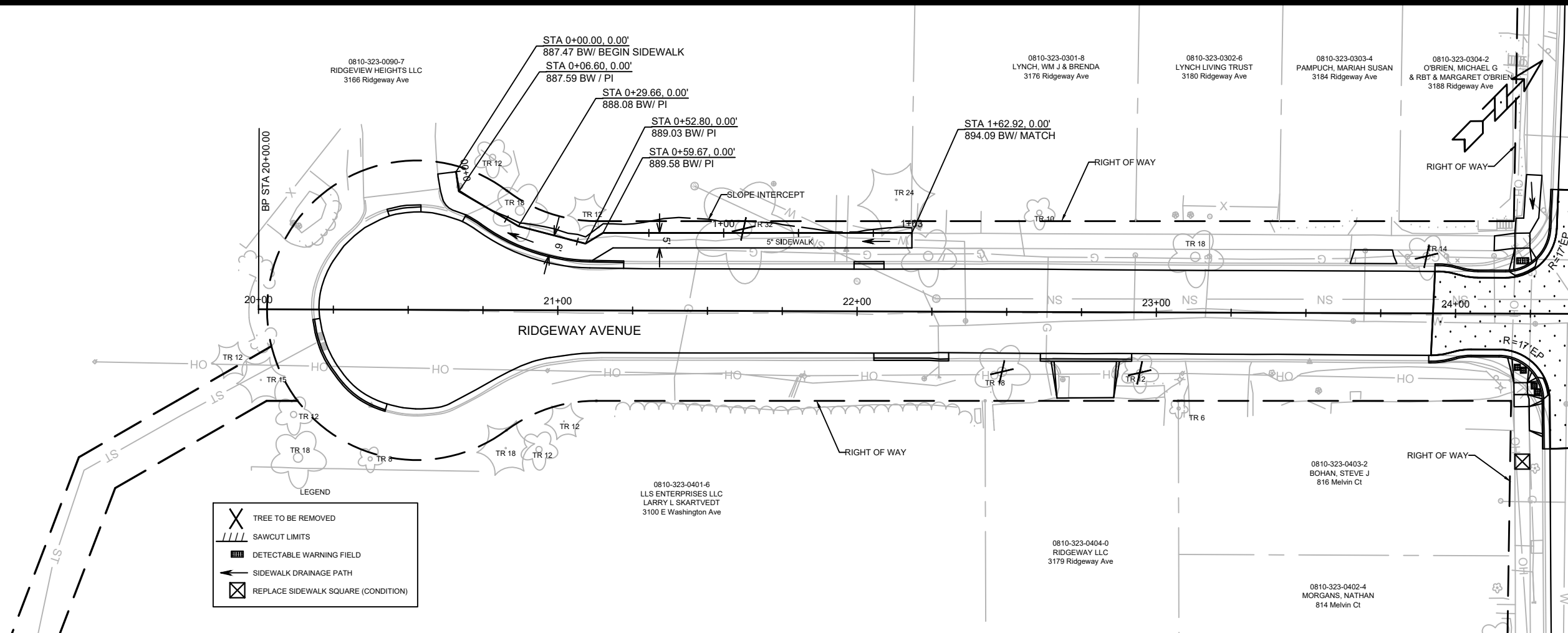
- TREE TO BE REMOVED
- SAWCUT LIMITS
- DETECTABLE WARNING FIELD
- SIDEWALK DRAINAGE PATH
- REPLACE SIDEWALK SQUARE (CONDITION)



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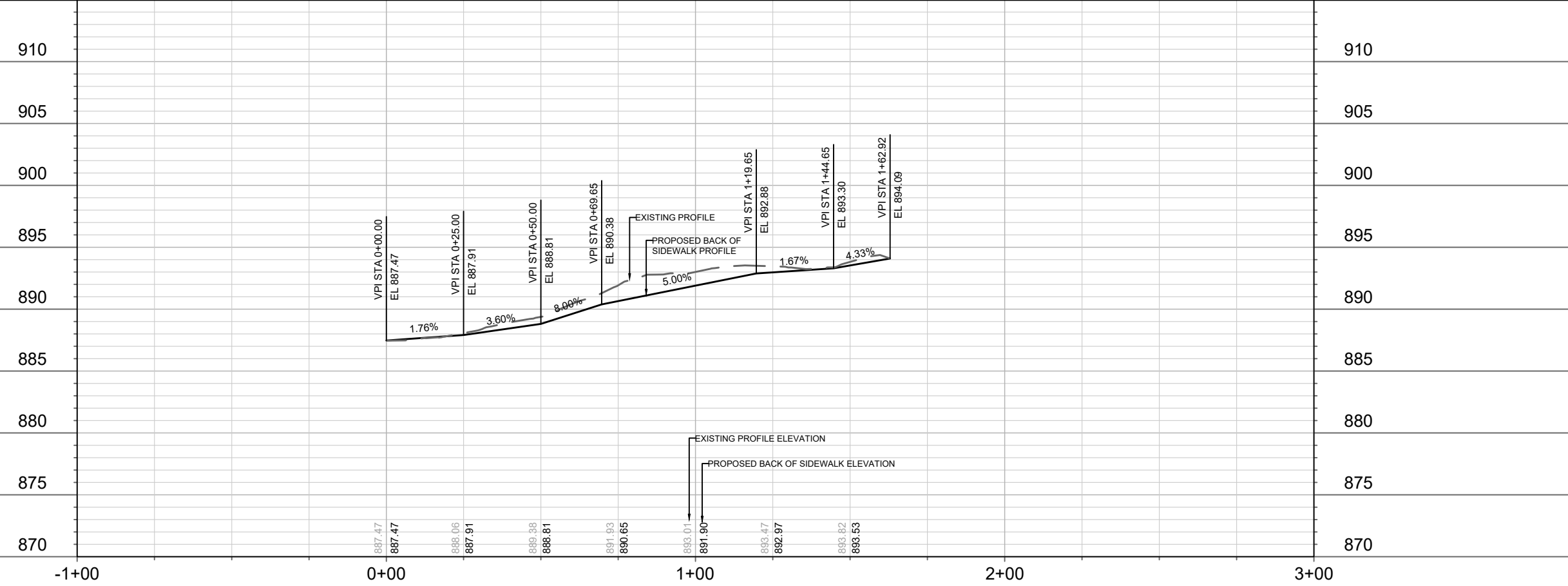
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MADISON, WI
CONTRACT NO.: 8567
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P-4



LEGEND

X	TREE TO BE REMOVED
	SAWCUT LIMITS
▨	DETECTABLE WARNING FIELD
→	SIDEWALK DRAINAGE PATH
⊠	REPLACE SIDEWALK SQUARE (CONDITION)

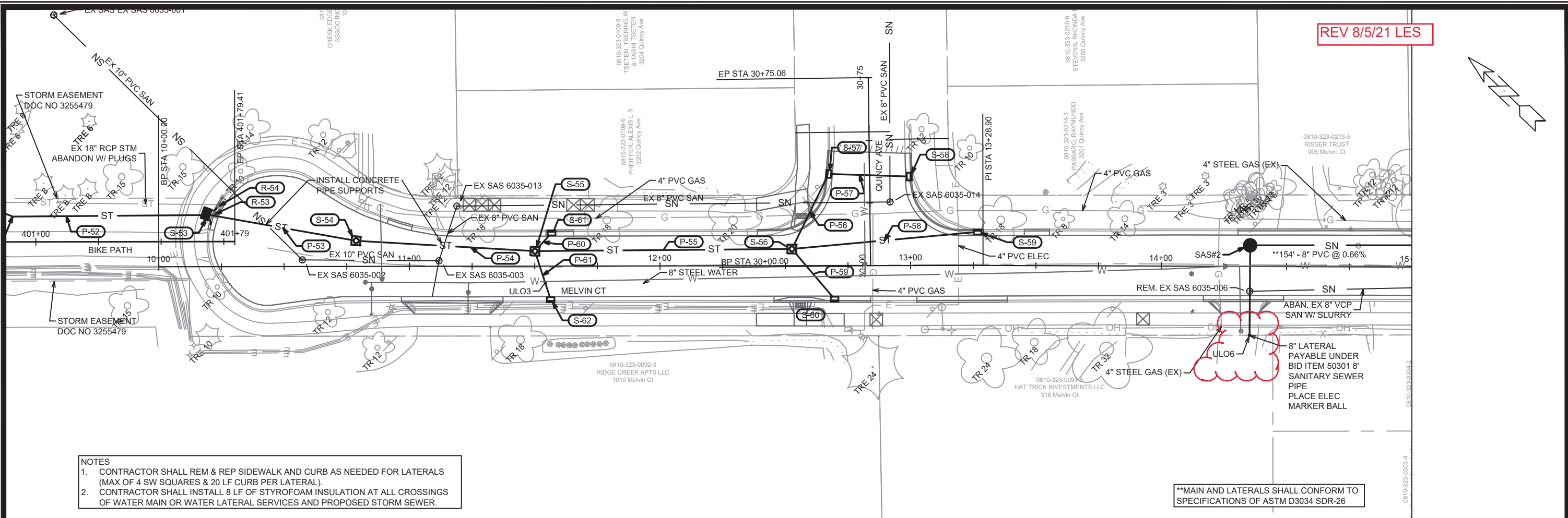


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MADISON, WI
CONTRACT NO: 8567
PLAN & PROFILE - NEW SIDEWALK
MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021
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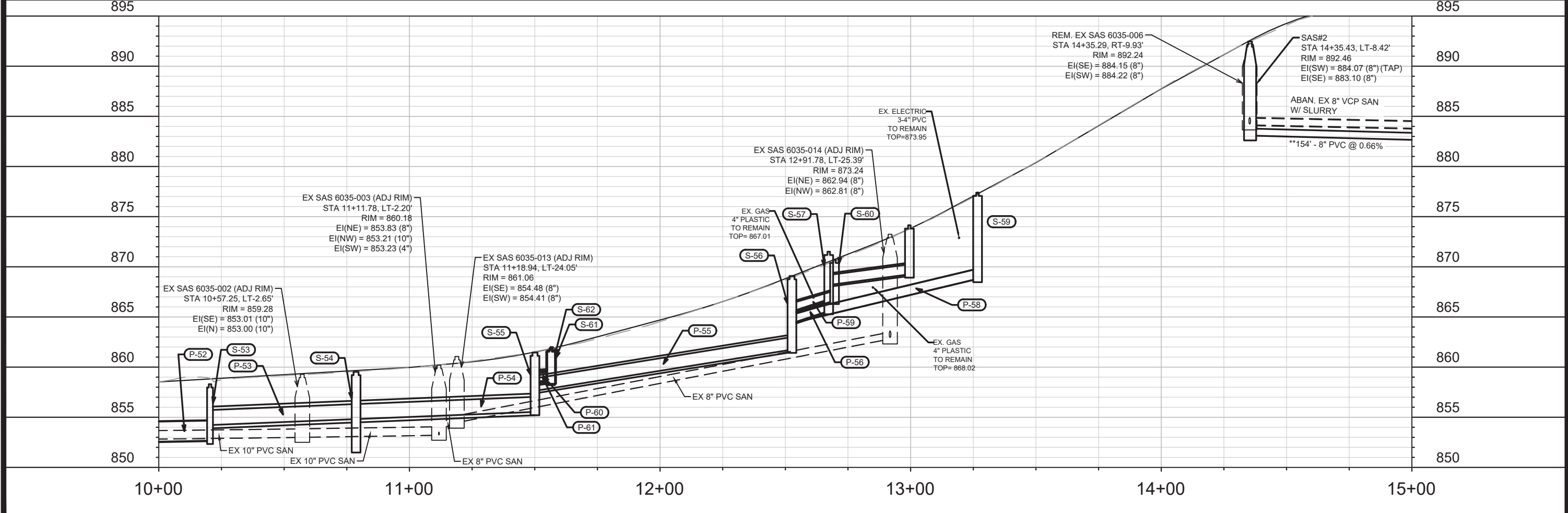
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P-5

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- NOTES
- CONTRACTOR SHALL REM & REP SIDEWALK AND CURB AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES & 20 LF CURB PER LATERAL).
 - CONTRACTOR SHALL INSTALL 8 LF OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.

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



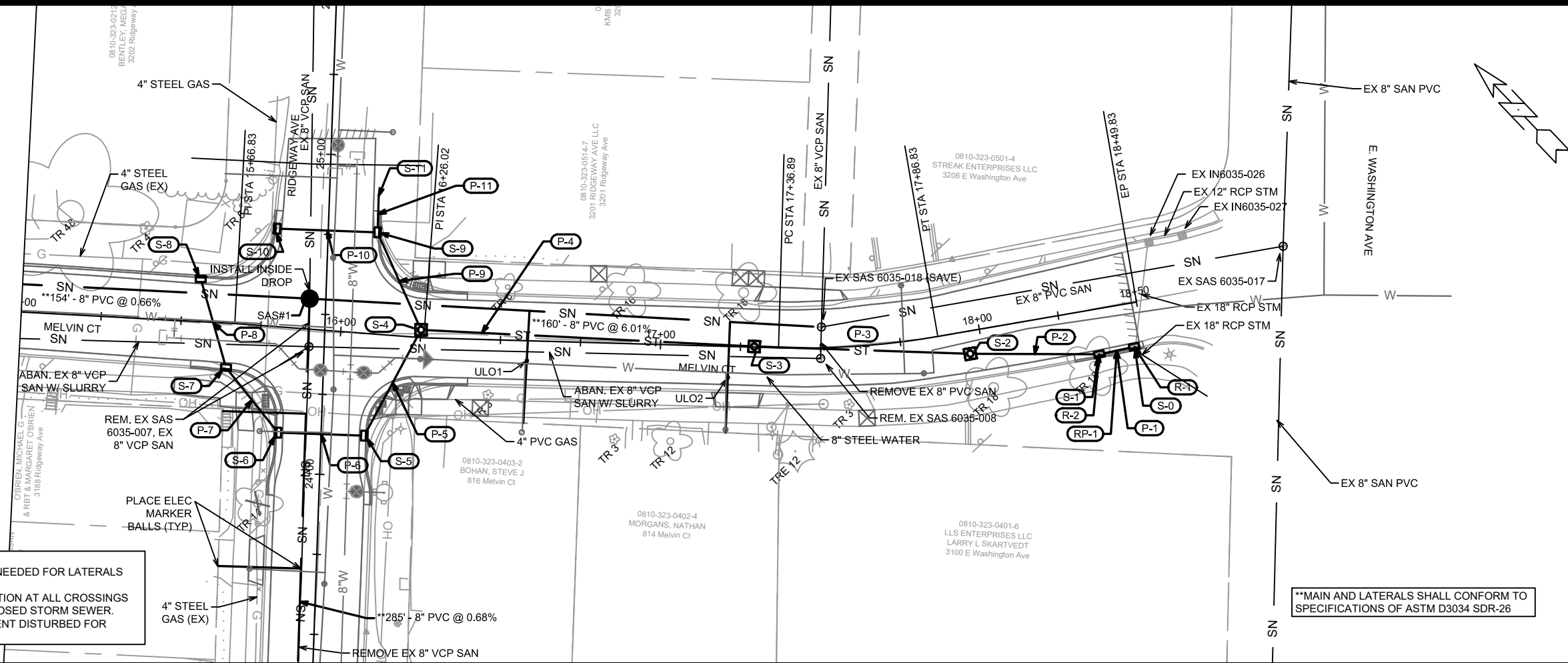
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 MADISON, WI
 CONTRACT NO: 8567
 UTILITIES PLAN & PROFILE - MELVIN CT
 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021
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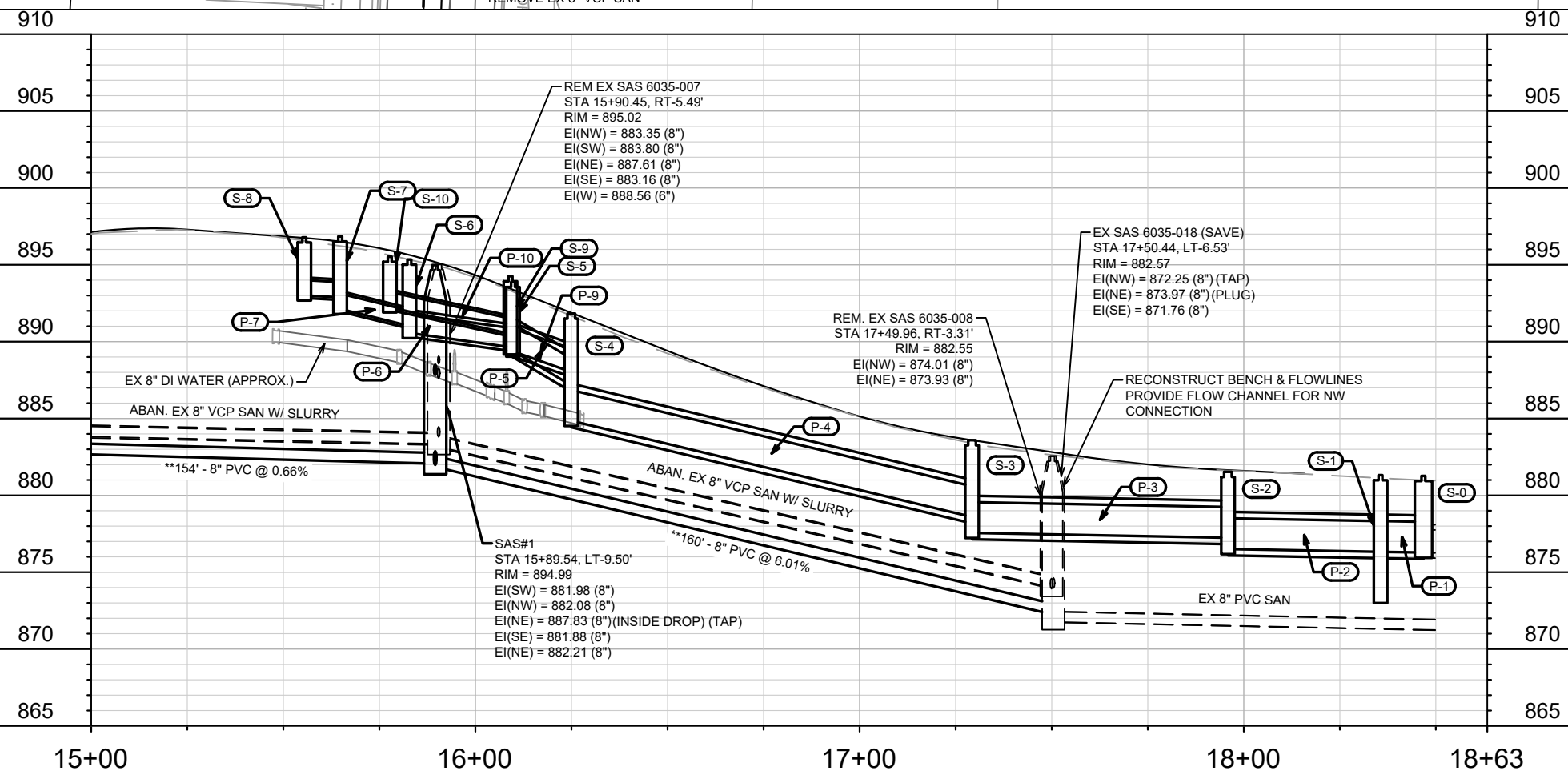


13177
 U-1

- NOTES**
1. CONTRACTOR SHALL REM & REP SIDEWALK AND CURB AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES & 20 LF CURB PER LATERAL).
 2. CONTRACTOR SHALL INSTALL 8 LF OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.
 3. TRENCH PATCH TYPE III SHALL BE USED TO PATCH PAVEMENT DISTURBED FOR STORM SEWER INSTALL OUTSIDE PROJECT LIMITS.



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

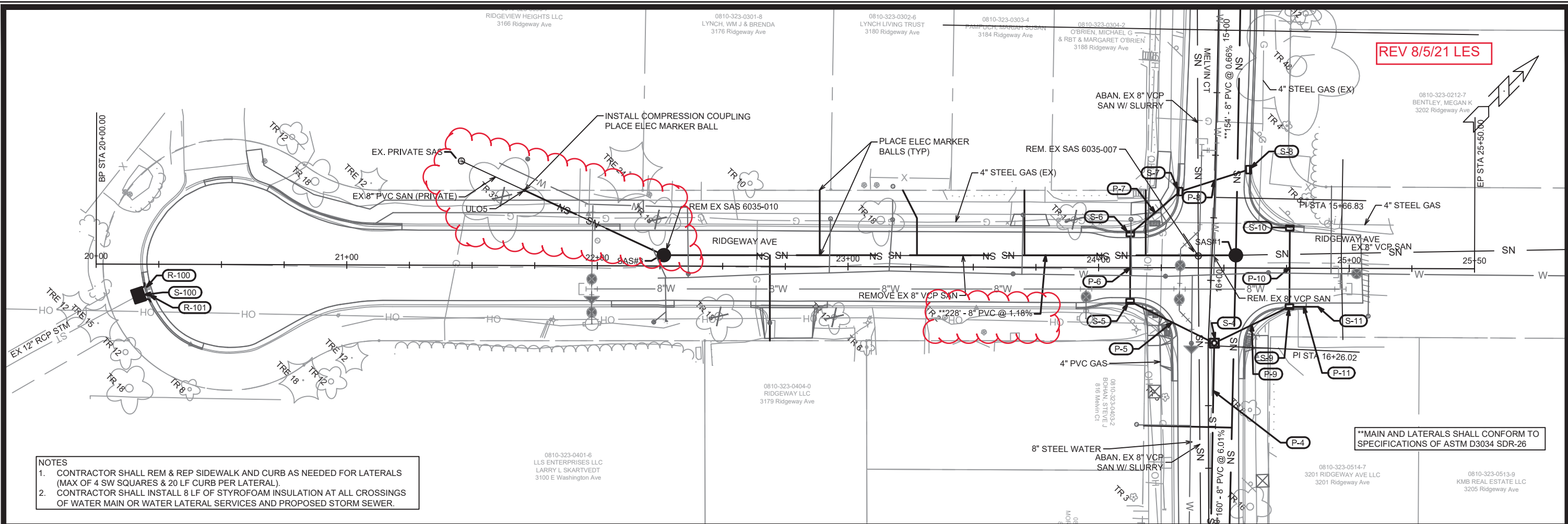


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13177
 MADISON, WI
 CONTRACT NO: 8567
 UTILITIES PLAN & PROFILE - MELVIN CT
 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021
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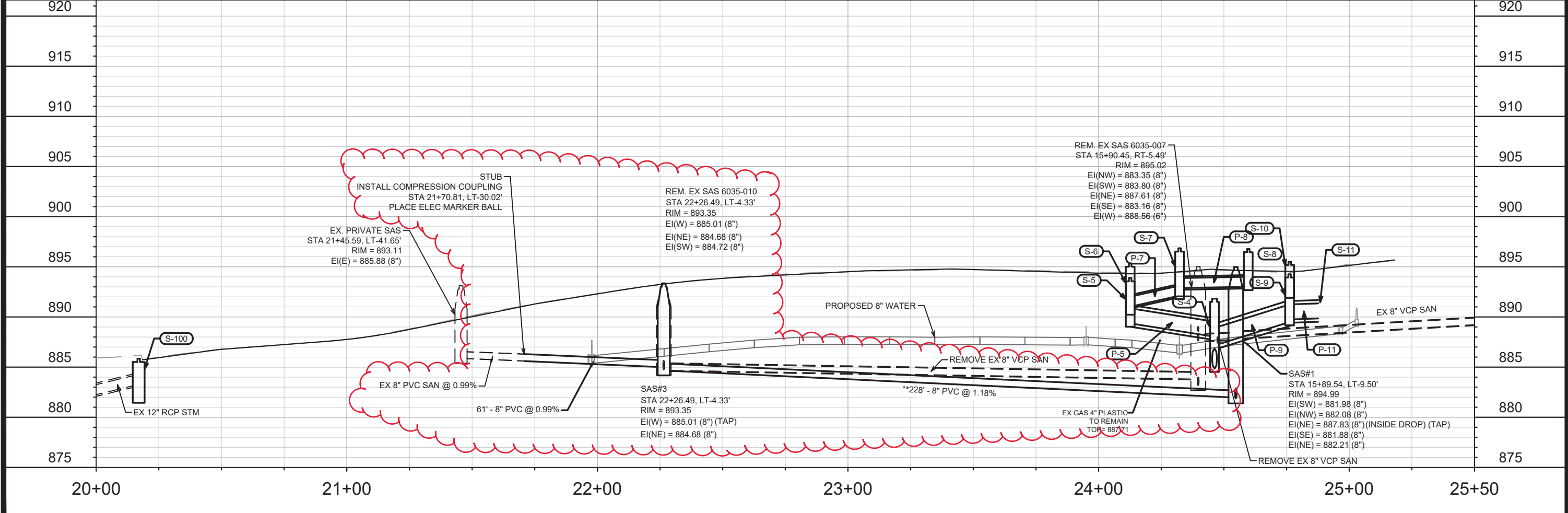


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 U-2



REV 8/5/21 LES

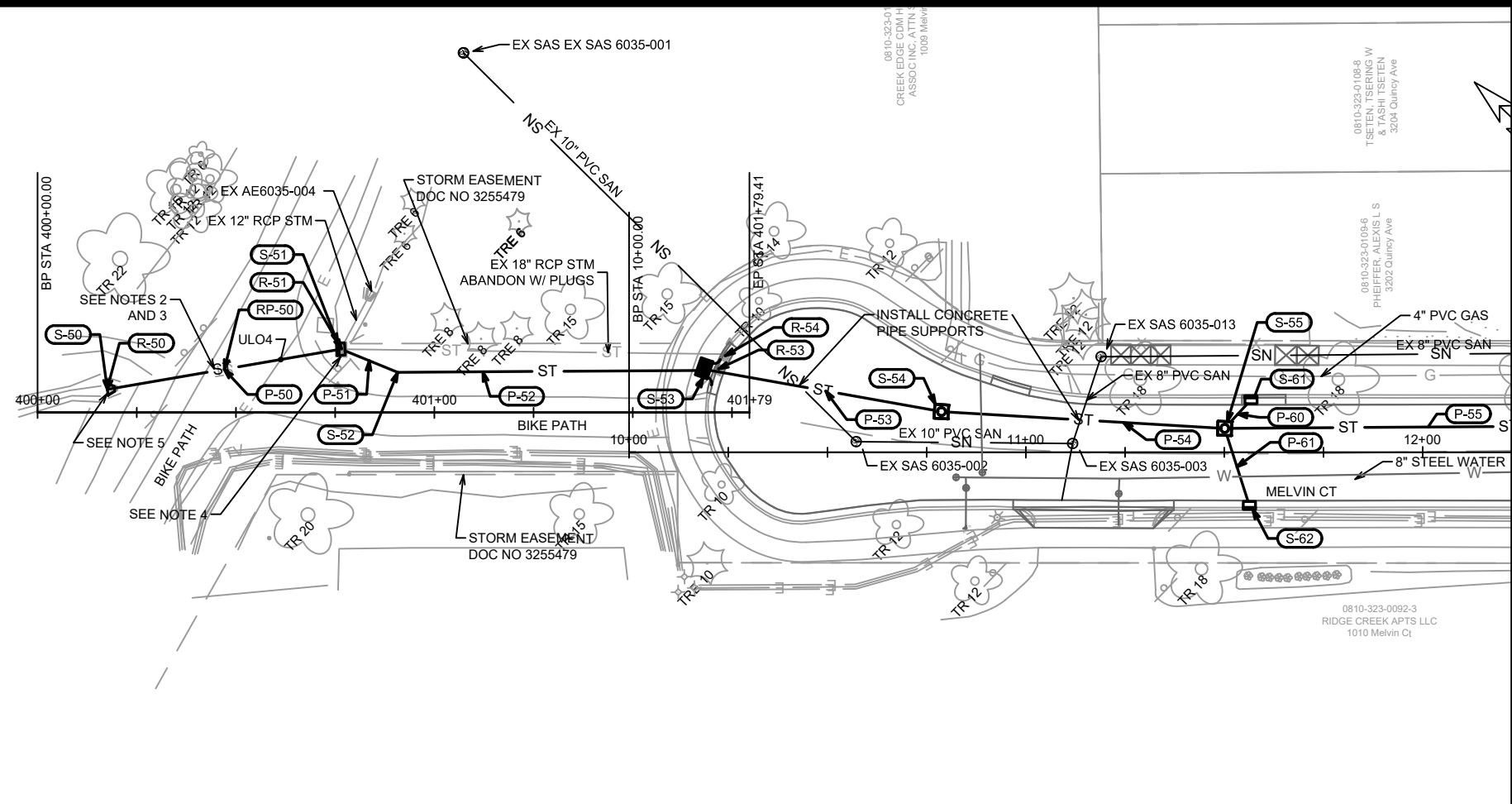
- NOTES**
- CONTRACTOR SHALL REM & REP SIDEWALK AND CURB AS NEEDED FOR LATERALS (MAX OF 4 SW SQUARES & 20 LF CURB PER LATERAL).
 - CONTRACTOR SHALL INSTALL 8 LF OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.



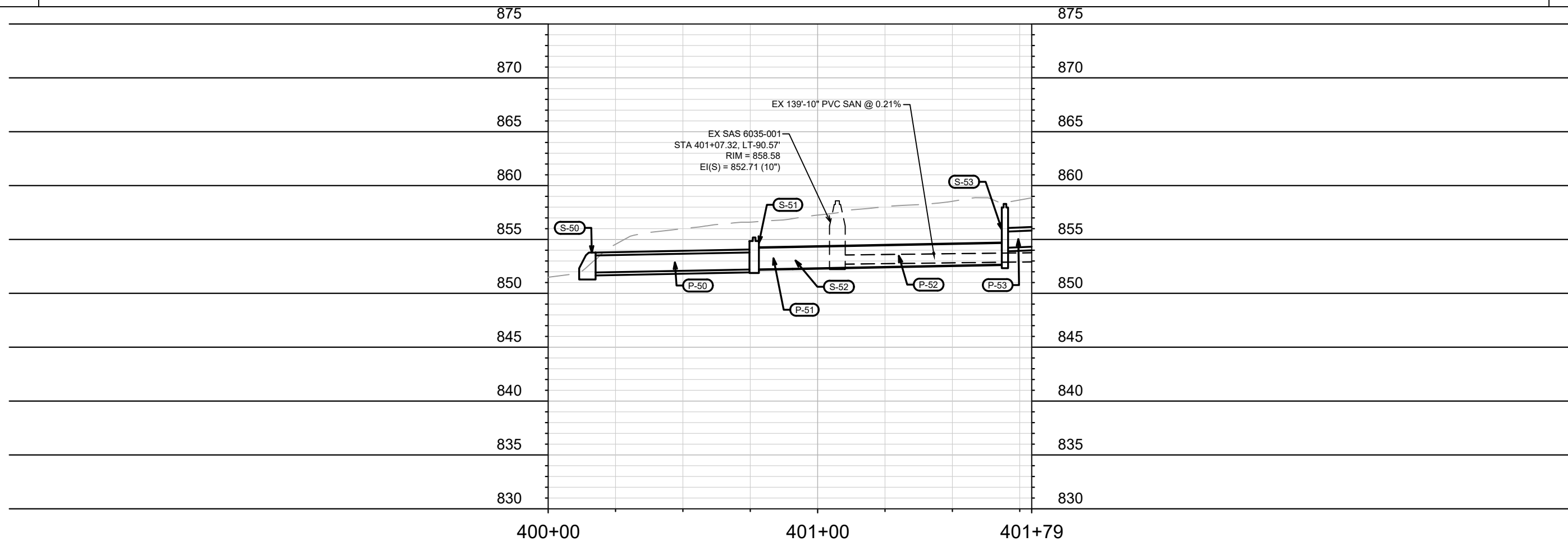
DATE	BY
REVISION	REVISION
MARK	MARK
DESIGNED BY: 13177	SCALE: #####
DATE: 8/6/2021 9:58 AM	U-3

13177
 UTILITIES PLAN & PROFILE - RIDGEWAY AVE
 MADISON, WI
 CONTRACT NO.: 8567
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13177
 U-3



- NOTES**
1. CONTRACTOR SHALL INSTALL 8 LF OF STYROFOAM INSULATION AT ALL CROSSINGS OF WATER MAIN OR WATER LATERAL SERVICES AND PROPOSED STORM SEWER.
 2. TRENCH PATCH TYPE III SHALL BE USED TO PATCH BIKE PATH PAVEMENT DISTURBED FOR STORM SEWER INSTALL.
 3. BIKE PATH SHALL REMAIN OPEN TO BICYCLE/PEDESTRIAN TRAFFIC AT ALL TIMES DURING CONSTRUCTION. IF NECESSARY, CONTRACTOR WILL PHASE BIKE PATH WORK TO MAINTAIN SAFE ACCESS.
 4. CONTRACTOR SHALL TAKE CARE WHILE INSTALLING P-50 - P52, S-51 AND S-52 TO STAY WITHIN CITY OF MADISON EASEMENT LIMITS.
 5. CONTRACTOR SHALL LIMIT DISTURBANCE WHILE INSTALLING S-50 TO NO MORE THAN 5' FROM THE PLAN LOCATION OF S-50 TO AVOID IMPACTS TO WETLANDS.



MARK	REVISION	DATE	BY
13177	U-4	6/10/2021 6:36 PM	

13177
 UTILITIES PLAN & PROFILE - STORM SEWER DISCHARGE
 MADISON, WI
 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021
 CONTRACT NO: 8567
 M:\DESIGN\Projects\13177\CAD\sewers\13177_Sewers.dwg

13177
 U-4

SANITARY SEWER SCHEDULE

***REV 8/5/21 LES

MELVIN CT AND RIDGEWAY AVE
RESURFACING ASSESSMENT DIST. 2021
PROJECT NO. 13177

SHEET NO.
U-5

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
Melvin Ct							
SAS#1	15+89.54	LT-9.50	5' DIA.	894.99	881.88	13.11	INSIDE DROP 5.6 VF
SAS#2	14+35.43	LT-8.42	4' DIA.	892.46	883.10	9.36	
Ridgeway Ave							
*** SAS#3	22+26.49	LT-4.33	4' DIA.	893.35	884.68	8.67	

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
EX. SAS 6035-018	SAS#1	872.25	881.88	160	6.01%	8	SDR-26	
SAS#1	SAS#2	882.08	883.10	154	0.66%	8	SDR-26	
*** SAS#1	SAS#3	881.98	884.68	228	1.18%	8	SDR-26	
*** SAS#3	STUB	885.01	885.62	61	0.99%	8	SDR-35	

SANITARY STRUCTURE REMOVALS OR ABANDONMENTS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
Melvin Ct							
EX SAS 6035-008	17+49.96	RT-3.31	5' DIA.	882.55	873.93	8.62	REMOVE SAS
EX SAS 6035-007	15+90.45	RT-5.49	5' DIA.	895.02	883.16	11.86	REMOVE SAS
EX SAS 6035-006	14+35.29	RT-9.93	5' DIA.	892.24	884.15	8.09	REMOVE SAS
Ridgeway Ave							
EX SAS 6035-010	22+26.49	LT-4.33	5' DIA.	893.35	884.68	8.67	REMOVE SAS

SANITARY PIPE ABANDONMENT

ABANDON FROM	ABANDON TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
Melvin Ct						
EX SAS 6035-008	EX SAS 6035-007	160	VCP	8	Y	2.1 CY SLURRY
EX SAS 6035-007	EX SAS 6035-006	155	VCP	8	Y	2.0 CY SLURRY
EX SAS 6035-010	STA 21+53.20 LT-29.96	77	PVC	8	Y	1.0 CY SLURRY

SANITARY PIPE REMOVAL

ABANDON FROM	ABANDON TO	LGTH (FT)	PIPE TYPE	PIPE SIZE	PAID (Y/N)	NOTES
Melvin Ct						
EX SAS 6035-018	EX SAS 6035-008	10	PVC	8	N	
Ridgeway Ave						
EX SAS 6035-007	EX SAS 6035-010	213	VCP	8	N	
SAS#1	EX SAS 6035-007	15	VCP	8	N	

SPECIFIC NOTES

STORM SEWER SCHEDULE

*REV 6/18/21 LES

**REV 7/26/21 LES

***REV 8/5/21 LES

MELVIN CT AND RIDGEWAY AVE
RESURFACING ASSESSMENT DIST. 2021

SHEET NO.

PROJECT NO. 13177

U-6

STORM SEWER SCHEDULE

CITY OF MADISON

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
Melvin Ct							
S-0	18+46.77	RT-13.67	4X4 STORM SAS	881.27	876.28	4.99	FP; W/ R-3067-7004V
S-1	18+35.59	RT-14.10	3X3 CATCHBASIN	881.32	876.33	4.99	[1]; W/ R-3067-7004V
S-2	17+95.89	RT-7.06	3X3 STORM SAS	881.53	876.51	5.02	W/ R-1550-0054
S-3	17+29.27	LT-0.20	3X3 STORM SAS	883.59	877.56	6.03	W/ R-1550-0054
S-4	16+24.96	LT-2.40	3X3 STORM SAS	891.82	884.85	6.97	W/ R-1550-0054
S-7	15+64.80	RT-13.90	TYPE "H" INLET	896.85	892.12	4.73	W/ R-3067-7004V
S-8	15+55.44	LT-13.34	TYPE "H" INLET	896.78	893.01	3.77	W/ R-3067-7004V
S-53	10+18.94	LT-21.14	TERRACE INLET TYPE 3	858.30	852.68	5.62	FP; SEE S.D.D. 5.7.12B
S-54	10+78.72	LT-10.23	3X3 CATCHBASIN	859.52	854.82	4.70	[1]; W/ R-1550-0054
S-55	11+50.10	LT-5.99	3X3 STORM SAS	861.46	855.54	5.92	W/ R-1550-0054
S-56	12+52.64	LT-6.69	3X3 STORM SAS	869.08	861.75	7.33	W/ R-1550-0054
** S-57	12+67.32	LT-36.61	TYPE "H" INLET	871.51	865.60	5.91	W/ R-3067-7004V
*** S-58	12+99.50	LT-35.53	TYPE "H" INLET	874.14	869.25	4.89	LP; UD; W/ R-3067-7004VB
S-59	13+26.70	LT-13.36	TYPE "H" INLET	877.40	868.80	8.60	W/ R-3067-7004V
S-60	12+69.63	RT-13.42	TYPE "H" INLET	870.72	866.62	4.10	W/ R-3067-7004V
S-61	11+56.75	LT-13.23	TYPE "H" INLET	862.00	858.67	3.33	W/ R-3067-7004V
S-62	11+56.33	RT-13.43	TYPE "H" INLET	861.87	858.54	3.33	W/ R-3067-7004V
Storm Sewer Discharge							
S-50	40+17.60	LT-5.81	19X30-IN HERCP AE W/ GATE	853.78	851.93	-	
S-51	40+76.40	LT-15.95	TYPE "H" INLET	855.18	852.22	2.96	FP; W/ R-1878-B7G
S-52	40+90.70	LT-10.13	22.5° TYPE II PAVEMENT STORM BEND	854.44	852.29	-	BY PIPE MANUFACTURER
Ridgeway Ave							
*** S-5	24+12.59	RT-13.50	3X3 STORM SAS	893.88	889.36	4.52	LP; UD; W/ R-3067-7004VB
*** S-6	24+12.59	LT-13.50	TYPE "H" INLET	895.34	890.56	4.78	LP; UD; W/ R-3067-7004VB
*** S-9	24+76.19	RT-15.39	3X3 STORM SAS	894.26	889.50	4.76	LP; UD; W/ R-3067-7004VB
*** S-10	24+76.25	LT-16.06	TYPE "H" INLET	895.52	892.23	3.29	LP; UD; W/ R-3067-7004VB
S-11	24+87.61	RT-15.36	PLUG	891.79	889.85	-	
S-100	20+16.97	RT-12.41	TERRACE INLET TYPE 2	885.84	883.28	2.56	FP; SEE S.D.D. 5.7.12A; [2]

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
Melvin Ct										
P-1	S-0	S-1	876.28	876.33	11	8	0.65%	24	RCP	
P-2	S-1	S-2	876.33	876.51	40	37	0.48%	24	RCP	
P-3	S-2	S-3	877.24	877.56	68	64	0.50%	24	RCP	
P-4	S-3	S-4	878.60	884.85	104	101	6.16%	24	RCP	
P-5	S-4	S-5	888.03	889.36	37	34	3.89%	18	RCP	
* P-7	S-6	S-7	891.02	892.12	26	23	4.79%	12	TYPE II PAVEMENT STORM	
P-8	S-7	S-8	892.87	893.01	29	27	0.52%	12	RCP	
P-9	S-4	S-9	887.16	889.50	33	30	7.76%	21	RCP	
P-53	S-53	S-54	854.22	854.82	59	56	1.07%	18	RCP	
P-54	S-54	S-55	854.82	855.54	72	69	1.05%	18	RCP	
P-55	S-55	S-56	857.63	861.75	103	100	4.14%	15	RCP	
** P-56	S-56	S-57	864.38	865.60	33	30	4.06%	12	TYPE II PAVEMENT STORM	
* P-57	S-57	S-58	868.18	869.25	32	30	3.54%	12	TYPE II PAVEMENT STORM	
P-58	S-56	S-59	864.38	868.80	74	71	6.19%	12	TYPE II PAVEMENT STORM	
P-59	S-56	S-60	865.38	866.62	26	23	5.41%	12	RCP	
P-60	S-55	S-61	858.57	858.67	10	6	1.58%	12	RCP	
P-61	S-55	S-62	858.34	858.54	20	18	1.13%	12	RCP	
Storm Sewer Discharge										
P-50	S-50	S-51	851.93	852.22	60	59	0.50%	19x30	HERCP	
P-51	S-51	S-52	852.22	852.29	15	14	0.50%	24	TYPE II PAVEMENT STORM	
P-52	S-52	S-53	852.29	852.68	79	77	0.50%	24	TYPE II PAVEMENT STORM	
Ridgeway Ave										
* P-6	S-5	S-6	889.61	890.56	27	25	3.87%	15	TYPE II PAVEMENT STORM	
P-10	S-9	S-10	890.50	892.23	31	29	5.96%	12	RCP	
P-11	S-9	S-11	889.75	889.85	11	10	1.00%	18	RCP	

SPECIFIC NOTES:

[1] STRUCTURE DEPTH LISTED DOES NOT INCLUDE 3' SUMP.

[2] STRUCTURE DEPTH LISTED DOES NOT INCLUDE 1.5' SUMP. TERRACE INLET TYPE 2 TO BE CONSTRUCTED PER S.D.D. 5.7.12A.

STANDARD NOTES:

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

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES; UD = UNDERDRAIN

- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.

- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.

- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.

- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.3. ALL PRECAST SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL DRAWING 5.7.5.

- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT LAUREN STRIEGL OF CITY ENGINEERING AT (608) 266-4094 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO LSTRIEGL@CITYOFMADISON.COM.

- ALL REBAR FOR FIELD POUR STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED PRIOR TO USE.

STORM SEWER SCHEDULE

**REV 7/26/21 LES

***REV 8/5/21 LES

MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021	SHEET NO. U-7
PROJECT NO. 13177	
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM REMOVALS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
Melvin Ct					
R-1	IN6035-024	18+46.83	RT-13.77	H INLET	
R-2	IN6035-025	18+35.57	RT-14.17	H INLET	
R-53	IN6035-006(1)	10+22.59	LT-20.98	H INLET	
R-54	IN6035-006(2)	10+24.24	LT-24.29	H INLET	
Storm Sewer Discharge					
R-50	AE6035-003	40+17.50	LT-5.78	18-IN RCP AE W/ GATE	
R-51	IN6035-005	40+76.60	LT-16.01	H INLET	
Ridgeway Ave					
R-100	IN6036-011(1)	20+20.27	RT-9.05	H INLET	
R-101	IN6036-011(2)	20+21.53	RT-12.38	H INLET	

PROPOSED STORM PIPE REMOVALS

REMOVAL NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
Melvin Ct							
RP-1	R-1	R-2	11	12	RCP	N	
Storm Sewer Discharge							
RP-50	R-50	R-51	60	18	RCP	N	

PROPOSED ULOS

ULO NO.	STATION	LOCATION (OFFSET)	UTILITY TYPE	DEPTH	NOTES
Melvin Ct					
ULO1	16+58.39	RT-6.26	WATER	-	
ULO2	17+21.30	RT-9.70	WATER	-	
ULO3	11+54.09	RT-6.56	WATER	-	
Storm Sewer Discharge					
ULO4	400+61.28	LT-13.34	ELECTRICAL	-	
** Ridgeway Ave					
*** ULO5	21+70.81	LT-30.02	PRIVATE SANITARY LATERAL	-	

SPECIFIC NOTES:

STANDARD NOTES:

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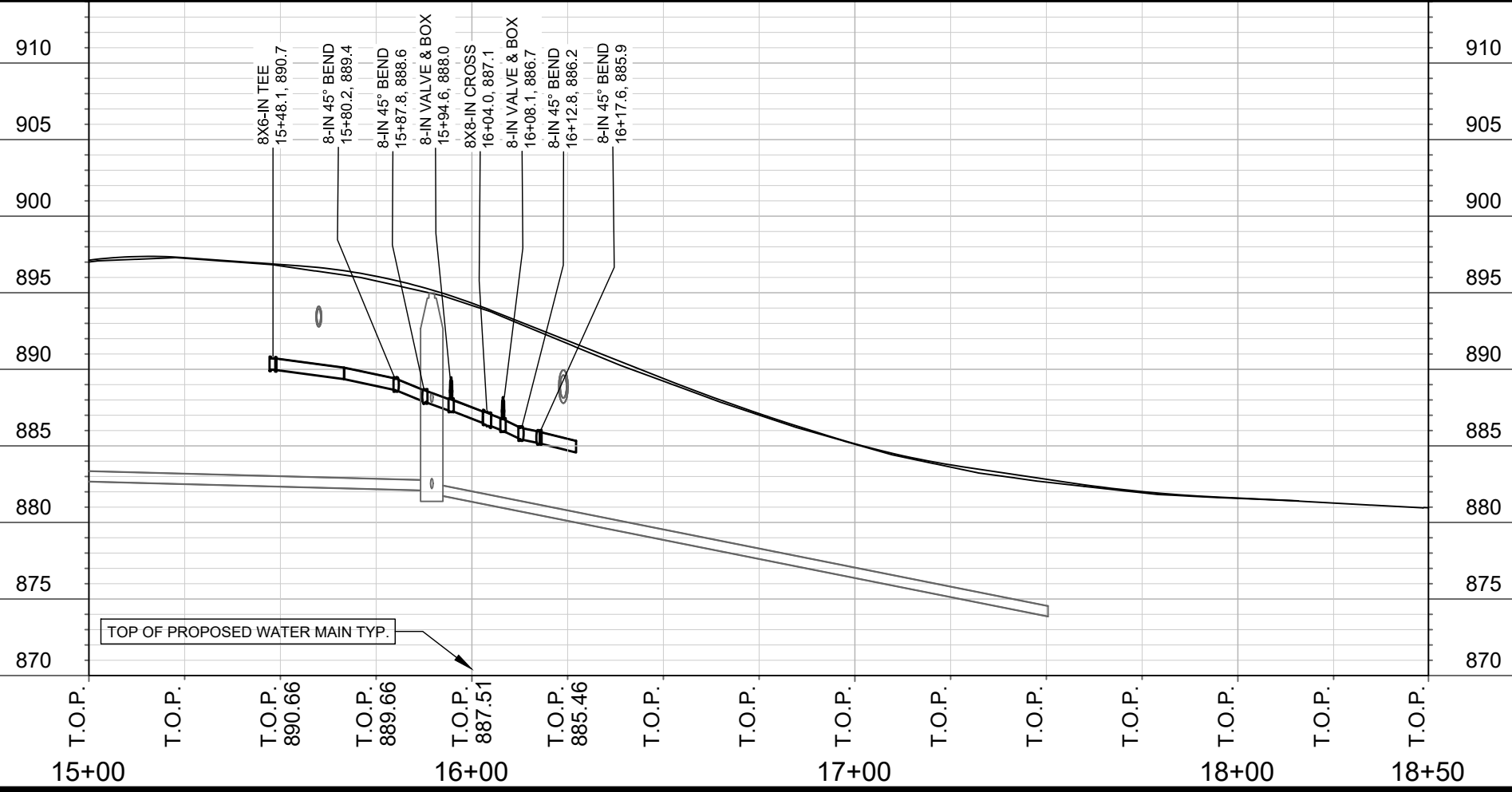
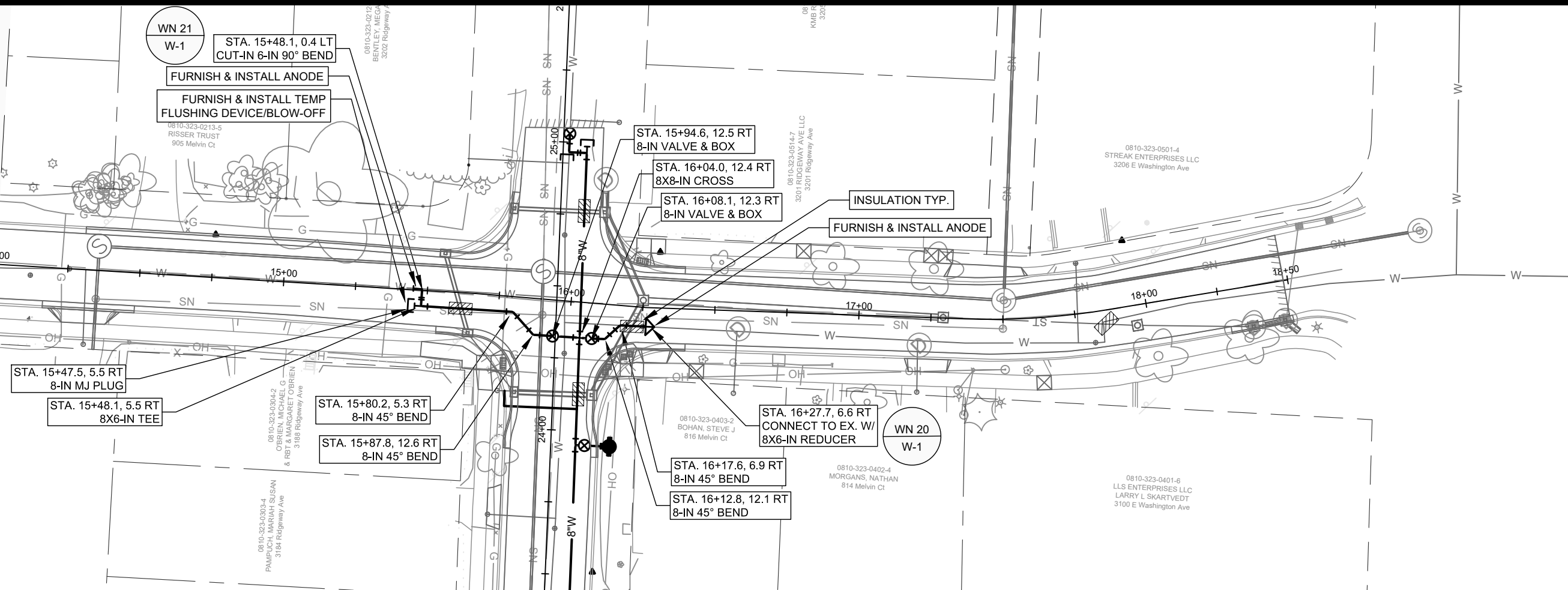
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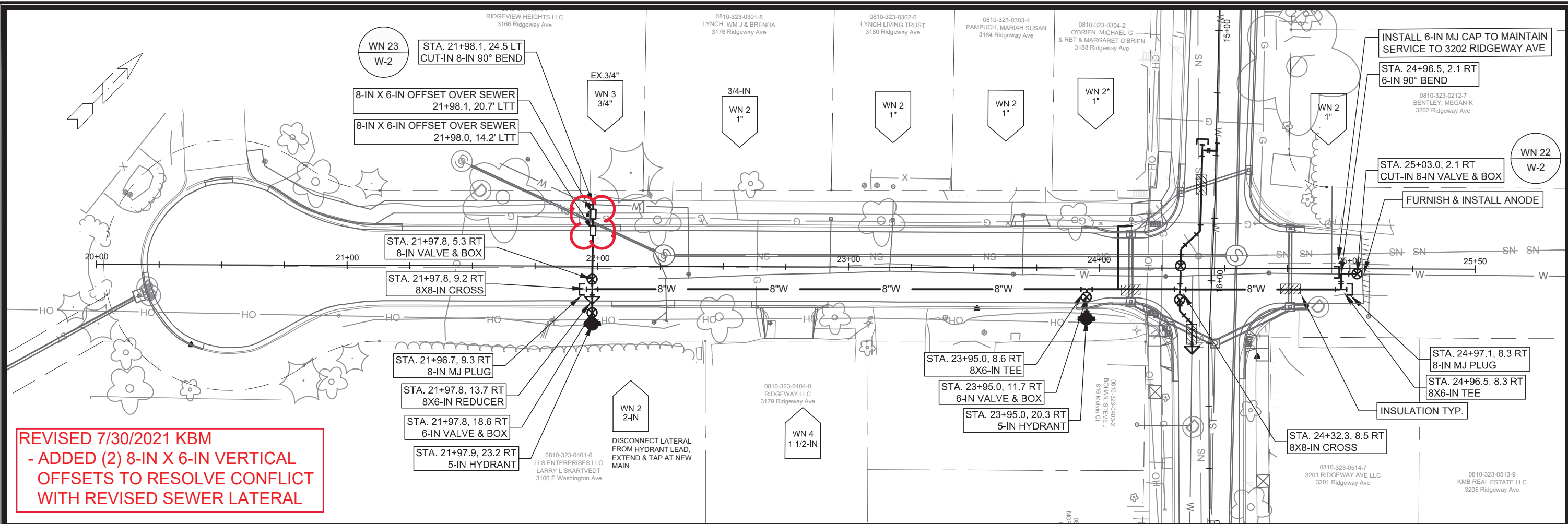
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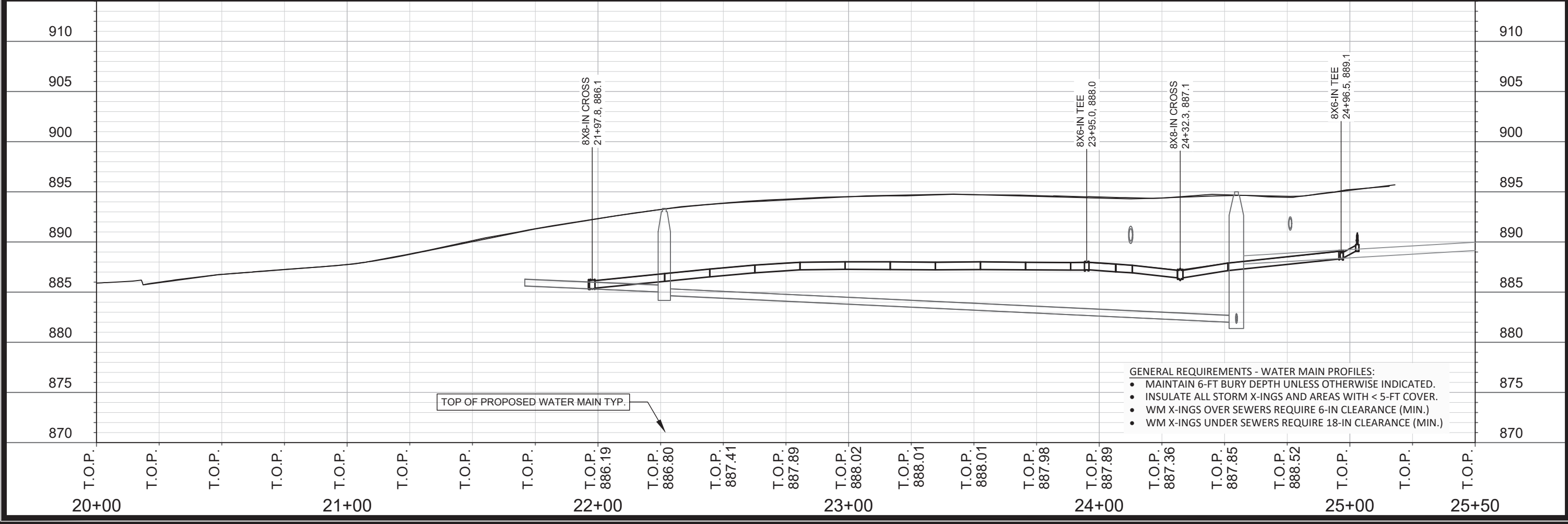
SCALE: 1" = 40'
 DESIGNED BY: TDP/ARW
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 6/10/21

MELVIN CT & RIDGEWAY AVE RESURFACING W/ UTILITIES
 W-1
 MELVIN CT W-SHEETS PLAN & PROFILE
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8567

13177
 W-1



REVISED 7/30/2021 KBM
- ADDED (2) 8-IN X 6-IN VERTICAL
OFFSETS TO RESOLVE CONFLICT
WITH REVISED SEWER LATERAL



- 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.)

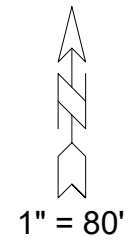
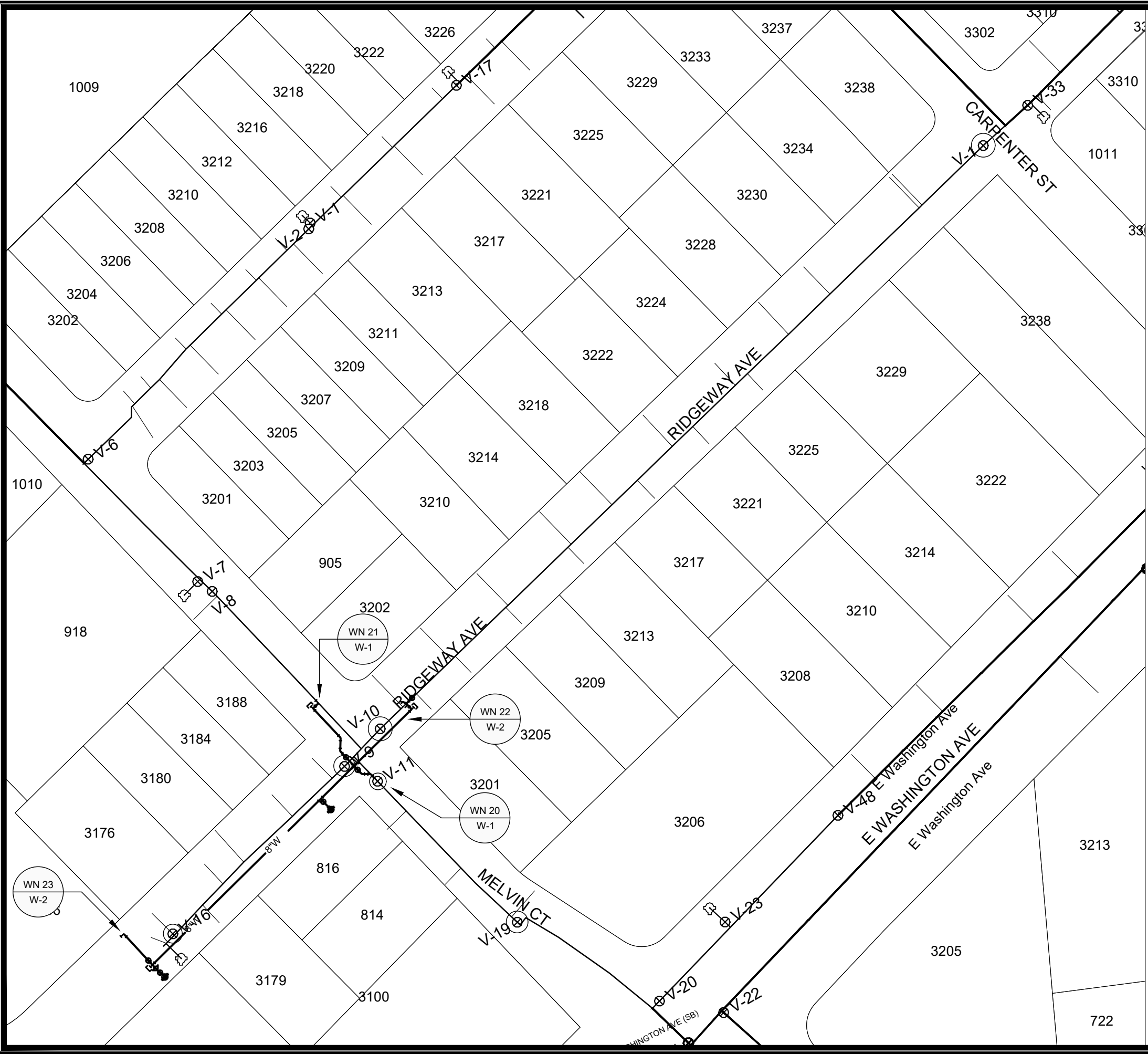
SCALE: 1" = 40'
 DESIGNED BY: TDP/ARW
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 7/30/21

CONTRACT NO: 8567

MELVIN CT & RIDGEWAY AVE RESURFACING W/ UTILITIES
 - W-2 PLAN & PROFILE RIDGEWAY AVE
CITY OF MADISON, WISCONSIN



13177
 W-2



WN20 - W-1 CUT-IN CONNECTION @ MELVIN CT SOUTH OF RIDGEWAY AVE
 ISOLATING VALVES: V-8, V-9, V-10, V-11, AND V-19
 NOTIFY: 814 & 816 MELVIN CT AND 3206 E. WASHINGTON AVE.

WN21 - W-1 CUT-IN CONNECTION @ MELVIN CT NORTH OF RIDGEWAY AVE
 ISOLATING VALVES: V-8, V-9, V-10, AND V-11
 NOTIFY: 918 MELVIN CT

WN22 - W-2 CUT-IN CONNECTION @ RIDGEWAY AVE EAST OF MELVIN CT
 ISOLATING VALVES: V-10 AT RIDGEWAY AVE AND V-1 AT CARPENTER
 NOTIFY: 3201 -3238 RIDGEWAY AVE

WN23 - W-2 CUT-IN CONNECTION @ RIDGEVIEW HEIGHTS APARTEMNTS
 ISOLATING VALVES: SV-16 AT RIDGEWAY
 NOTIFY: 3154 -3166 RIDGEWAY AVE. 7 BUILDINGS/82 UNITS

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: TDP/ARW
 MADISON WATER UTILITY
 119 E OLIN AVE, MADISON, WI 53713
 PRINTING DATE: 5.14.21

MELVIN CT & RIDGEWAY AVE RESURFACING W/ UTILITIES
 WATER IMPACT PLAN MELVIN & RIDGEWAY
 CITY OF MADISON, WISCONSIN
 CONTRACT NO: 8567



13177
 W-3



CONSTRUCTION NOTES:

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

WATER UTILITY ULO SCHEDULE

ULO	UTILITY	STATION	OFFSET	SHEET
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***ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:**

PAY_ITEM_ID	DESCRIPTION	QUANTITY	UNIT
70002	FURNISH AND INSTALL 6 INCH PIPE & FITTINGS	30	LNFT
70003	FURNISH AND INSTALL 8 INCH PIPE & FITTINGS	435	LNFT
70031	FURNISH AND INSTALL 6 INCH WATER VALVE	3	EACH
70032	FURNISH AND INSTALL 8 INCH WATER VALVE	3	EACH
70040	FURNISH INSTALL AND SALVAGE HYDRANT	2	EACH
70056	RECONNECT 1 INCH SERVICE LATERAL	4	EACH
70057	RECONNECT 1 1/2 INCH SERVICE LATERAL	1	EACH
70058	RECONNECT 2 INCH SERVICE LATERAL	1	EACH
70080	CUT IN OR CONNECT TO EXISTING WATER SYSTEM	4	EACH
70090	ABANDON WATER VALVE BOX	5	EACH
70101	FURNISH AND INSTALL STYROFOAM	64	LNFT
70104	ADJUST WATER VALVE BOX	8	EACH
70111	FURNISH & INSTALL ANODE	3	EACH
71013	6 IN MJ CAP	1	EACH
71014	8 IN MJ PLUG	3	EACH
71041	8X8 IN CROSS	2	EACH
71110	6 IN 90° BEND	2	EACH
71111	8 IN 90° BEND	1	EACH
71123	8 IN 45° BEND	4	EACH
71159	8X6 IN REDUCER	2	EACH
71210	8X6 IN TEE	3	EACH

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

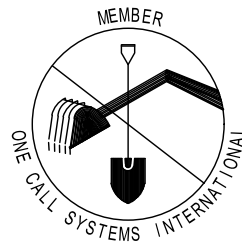
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE TOLL FREE 811 OR 1-800-242-8511

FAX-A-LOCATE 1-800-338-3860

TDD (FOR HEARING IMPAIRED) 1-800-542-2289

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

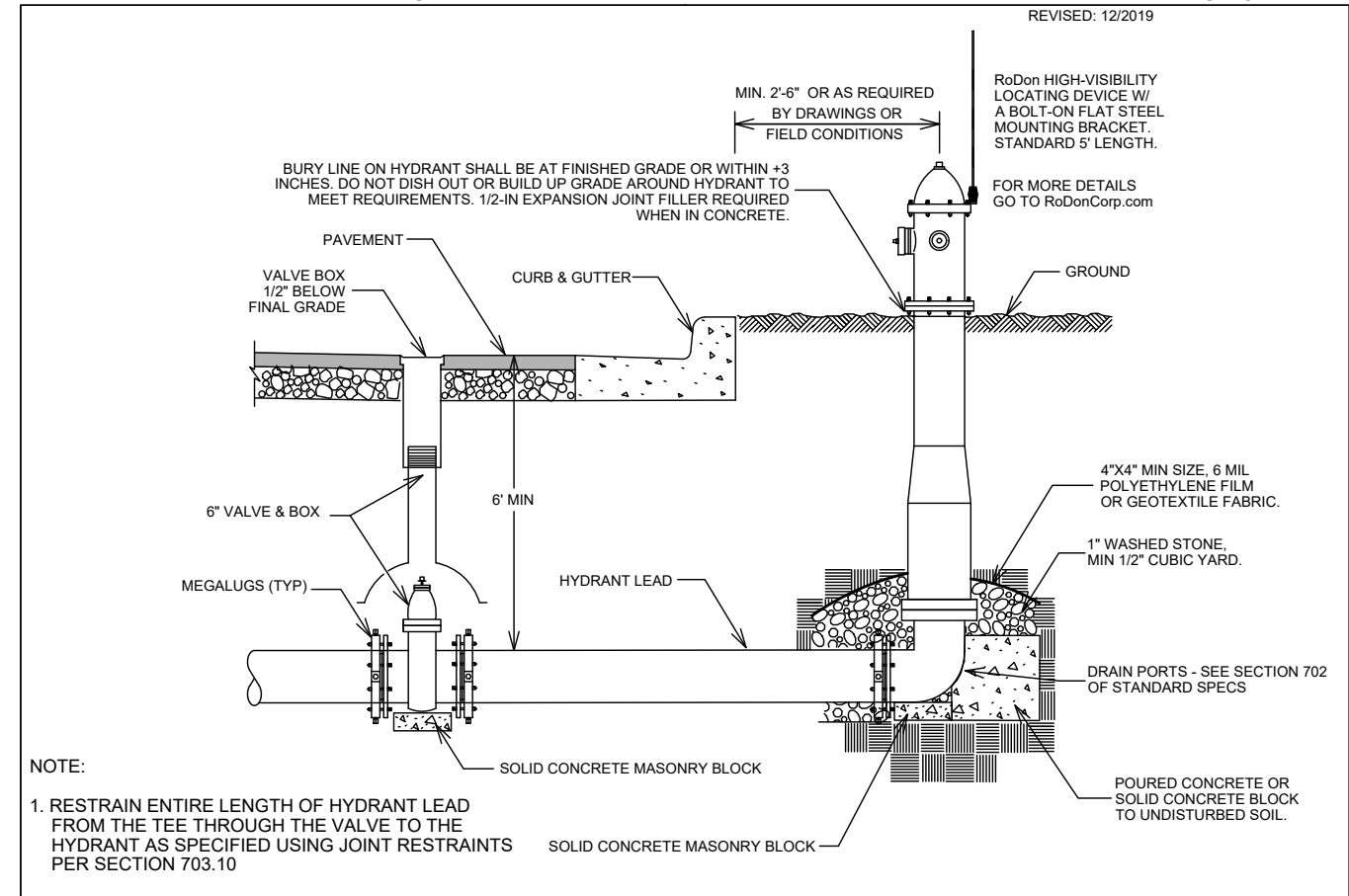


DISCLAIMER NOTE: UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 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: TDP/ARW
MADISON WATER UTILITY
119 E OLIN AVE, MADISON, WI 53713
PRINTING DATE: 5/15/21

MELVIN CT & RIDGEWAY AVE RESURFACING W/ UTILITIES

WATER ESTIMATE OF MATERIALS

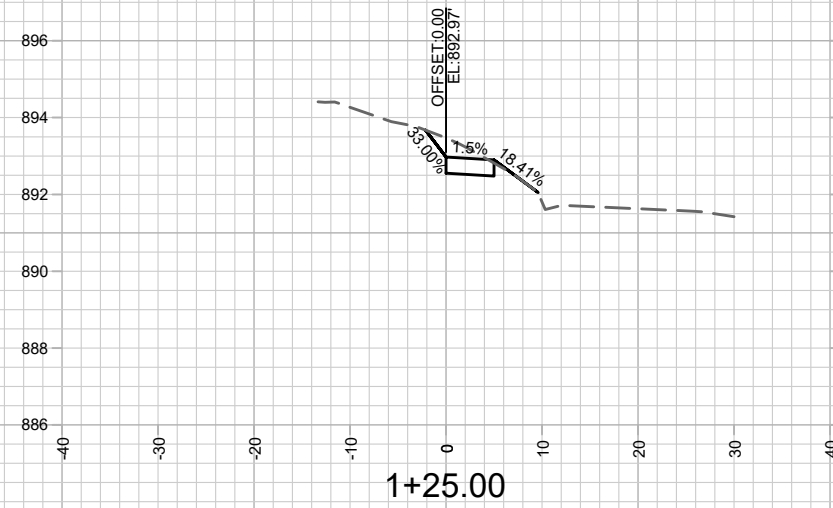
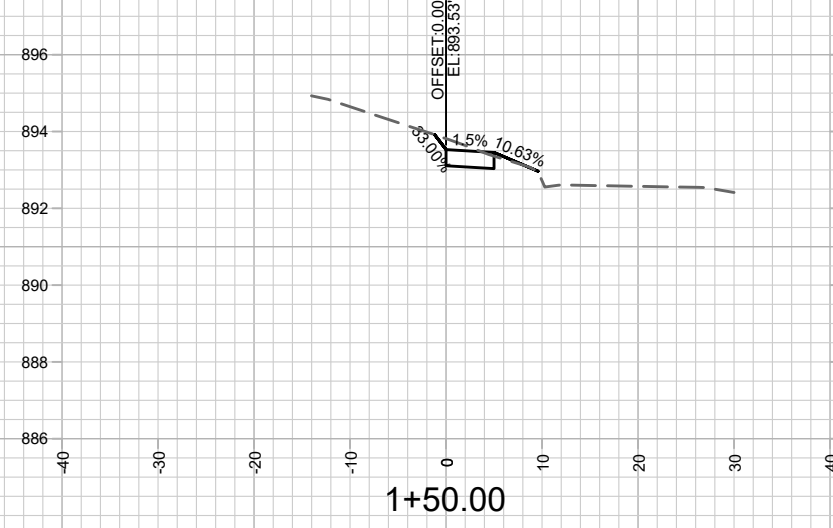
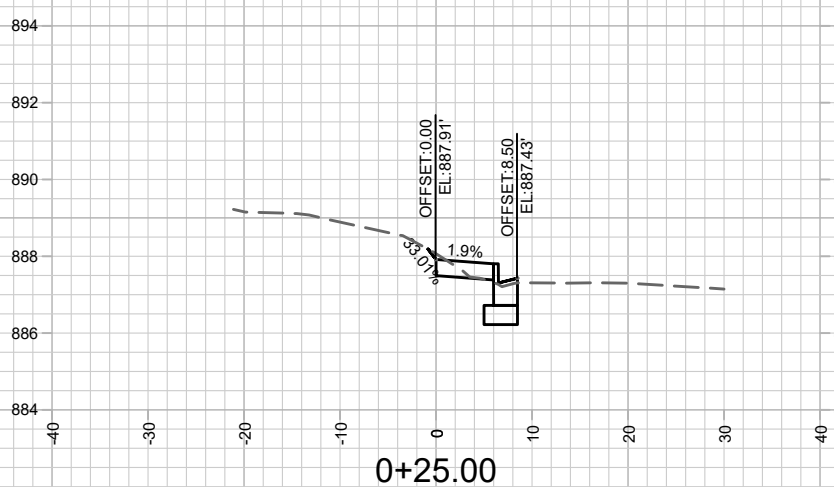
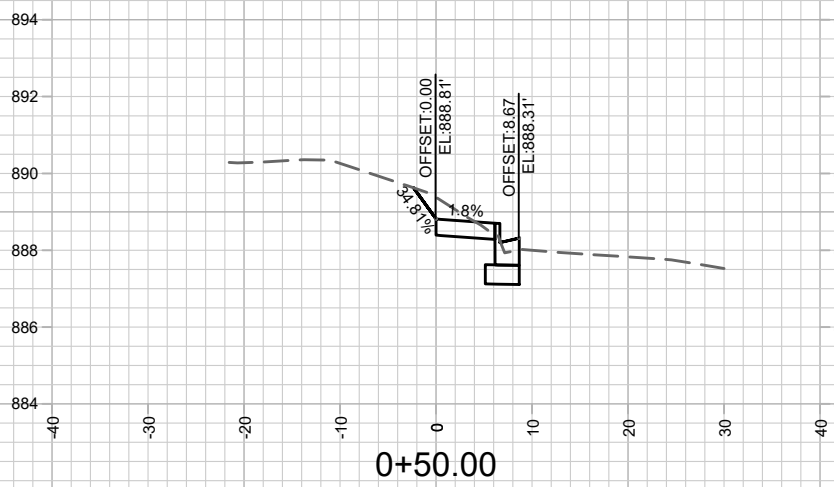
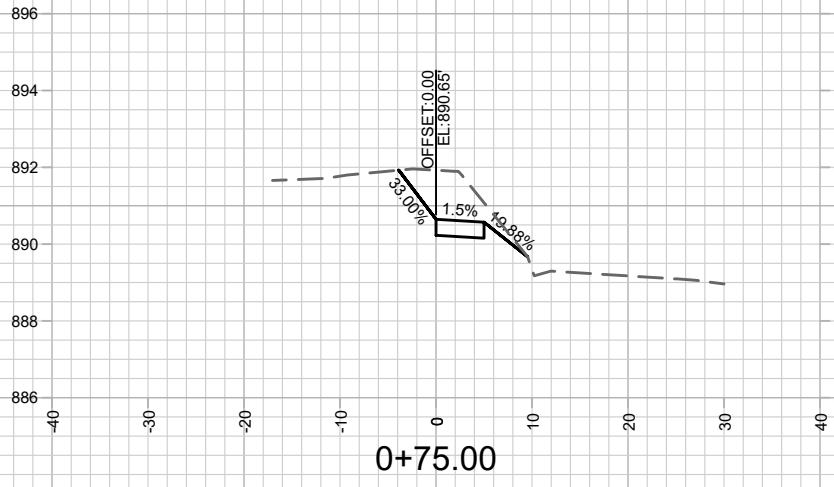
CITY OF MADISON, WISCONSIN

CONTRACT NO: 8567



13177

W-4



MARK	REVISION	DATE	BY

13177
 MADISON, WI
 CONTRACT NO: 8567

CROSS SECTIONS - NEW SIDEWALK
 MELVIN CT AND RIDGEWAY AVE RESURFACING ASSESSMENT DIST. 2021
 M:\DESIGN\Projects\13177\CAD\Plan Sheets\13177-X SHEETS.dwg

