

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

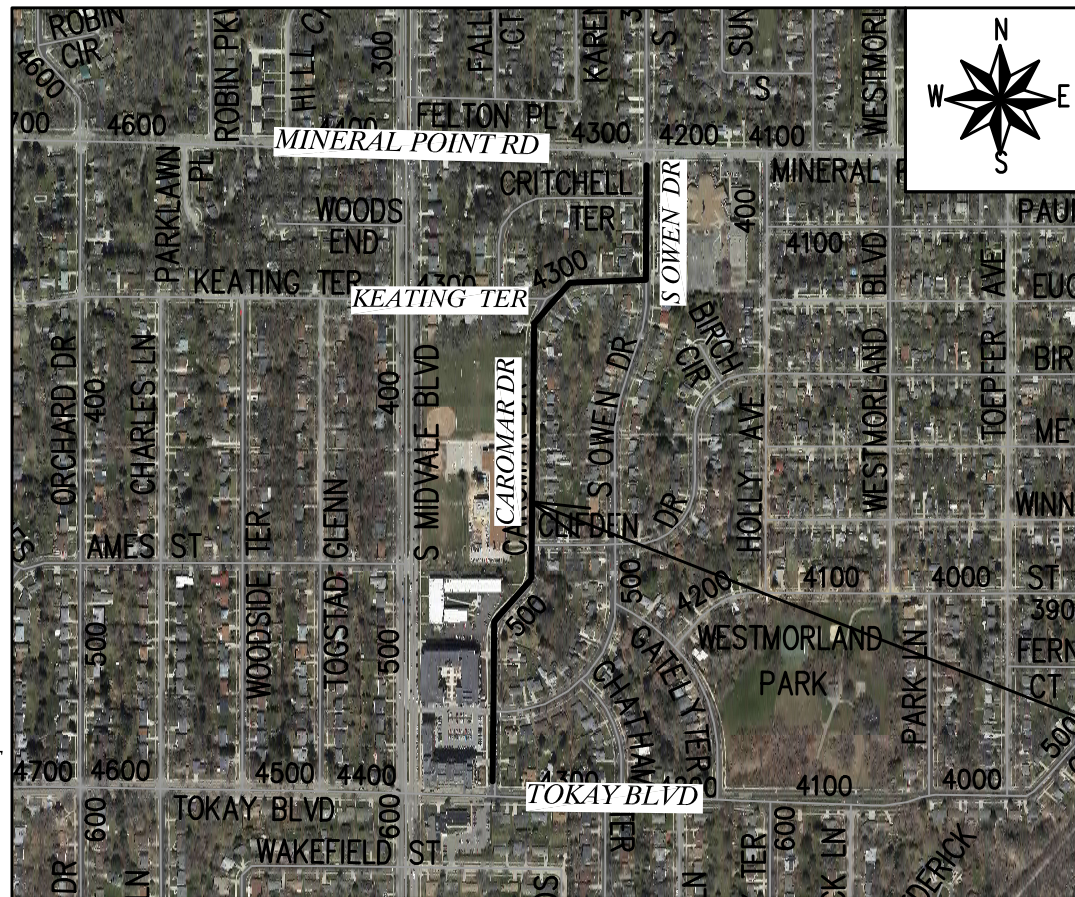
INDEX OF SHEETS

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P1-P6	PLAN & PROFILE
U1-U6	SEWER PLAN & PROFILES
U7-U10	SEWER SCHEDULES
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PM1-PM4	PAVEMENT MARKING PLAN

SOUTH OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RESURFACING ASSESSMENT DISTRICT-2022

CITY PROJECT NO. 13706
CONTRACT NO. 8622

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	



PROJECT LOCATION

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

EARTH WORK SUMMARY:

ESTIMATED UNDERCUT PERVIOUS PAYMENT	= 400.0 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT	= 630.0 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT	= 1030.0 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE: FEBRUARY 22, 2022

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

W. Greg Fries

Mar 11, 2022

City Engineer

Date

STREET DESIGNED BY:

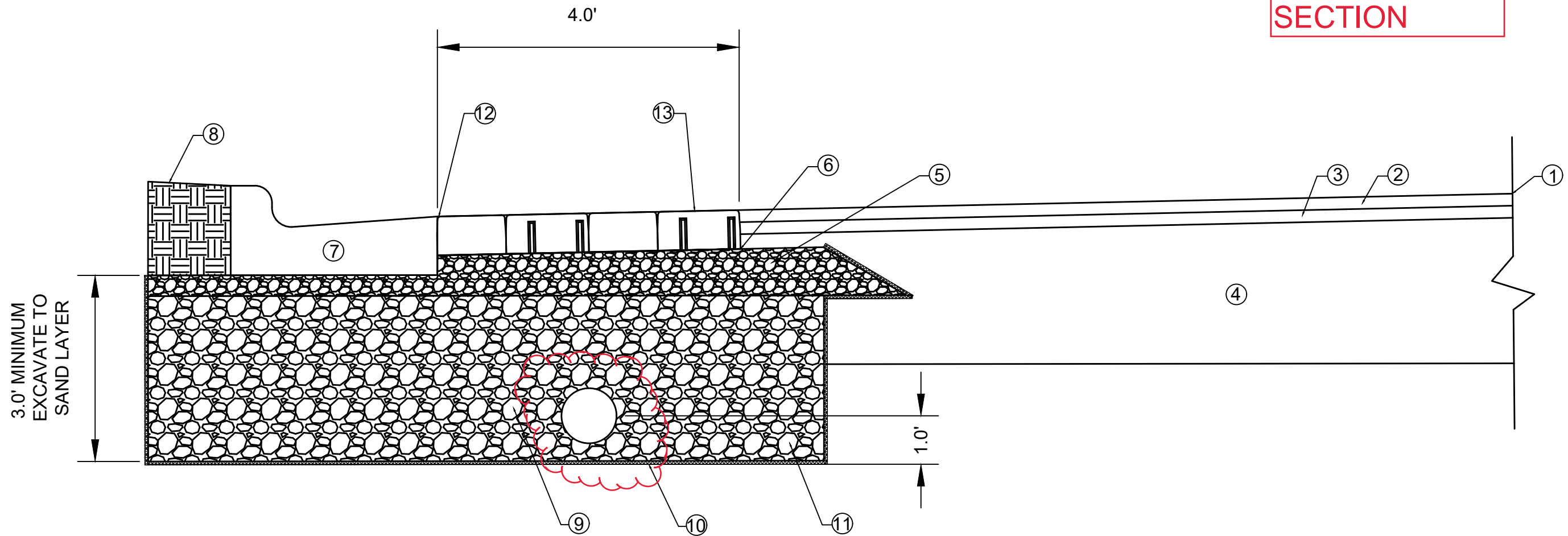


SANITARY SEWER DESIGNED BY:



STORM SEWER DESIGNED BY:





R1: MOVE
UNDERDRAIN
TO CENTER OF
PAVER
SECTION

- ① POINT REFERRED TO ON PROFILE
- ② 2.00" HMA PAVEMENT- TYPE 4 LT 58-28 S
- ③ 2.50" HMA PAVEMENT- TYPE 3 LT 58-28 S
- ④ EXISTING BASE COURSE TO REMAIN.
- ⑤ ASTM #57 STONE(CLEAN ANGULAR, NO FINES)
- ⑥ GEOGRID
- ⑦ TYPE 'A' CURB AND GUTTER
- ⑧ RESTORE DISTURBED AREAS WITH 6" TOPSOIL, SEED AND MATTING
- ⑨ 3" CLEAR STONE (24" MINIMUM)
- ⑩ GEOTEXTILE
- ⑪ 8" PVC UNDERDRAIN WRAPPED
- ⑫ POLYMERIC SAND PLACED IN GAP BETWEEN PAVERS AND CURB
- ⑬ SEALED IN ACCORDANCE WITH SPECIFICATION

NOT TO SCALE

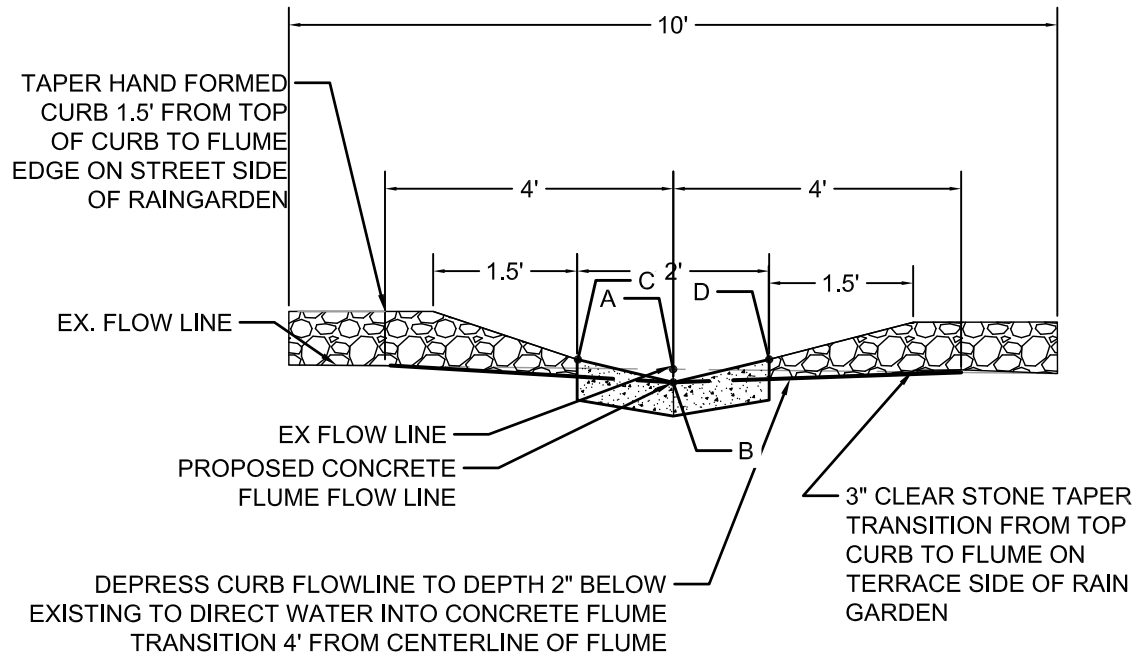
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Designed By: SMS	Date: 5/31/2022	Scale:	D-2

13706
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
MADISON, WI
CONTRACT NO: 8622
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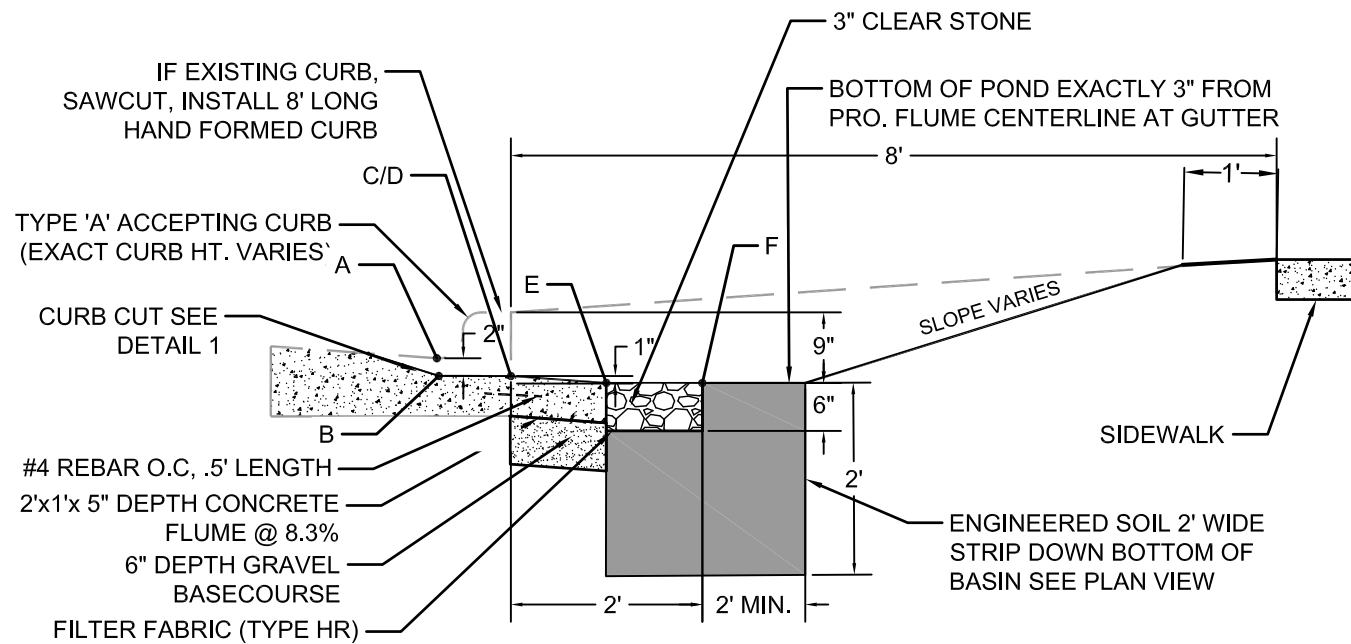


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D-2

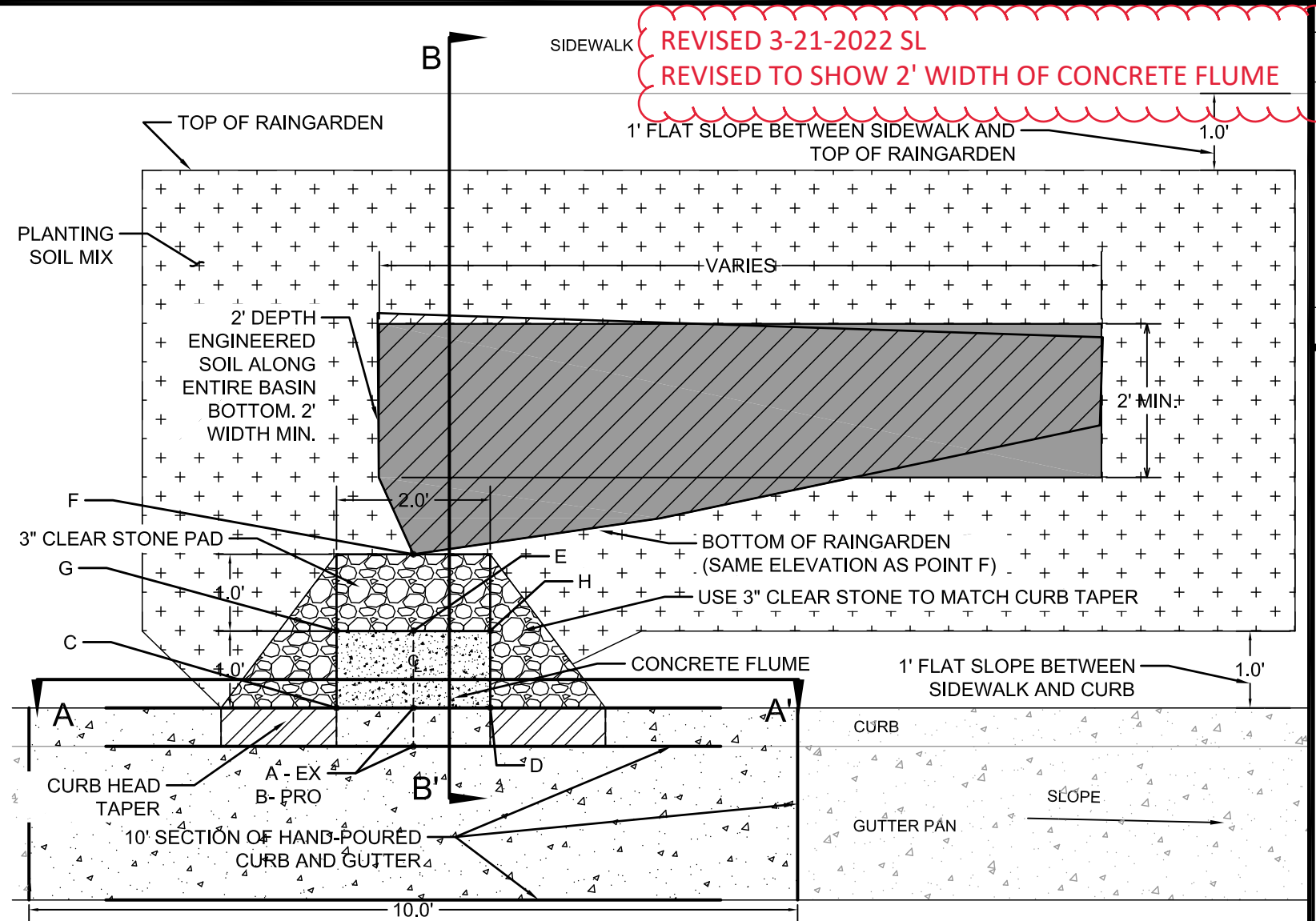
- 1.) ENGINEERED SOIL: SEE STANDARD SPECIFICATIONS
70-85% PRE WASHED COURSE SAND
15-30% COMPOST PER SPECIAL PROVISIONS
- 2.) SEE PLANS FOR SITE SPECIFIC LOCATIONS AND ELEVATIONS
- 3.) 3" CLEAR STONE IS NOT TO HAVE ANY PORTION ABOVE CONCRETE FLUME ON DOWNSTREAM TO BASIN.



1 SECTION A-A' NOT TO SCALE



2 SECTION B-B'



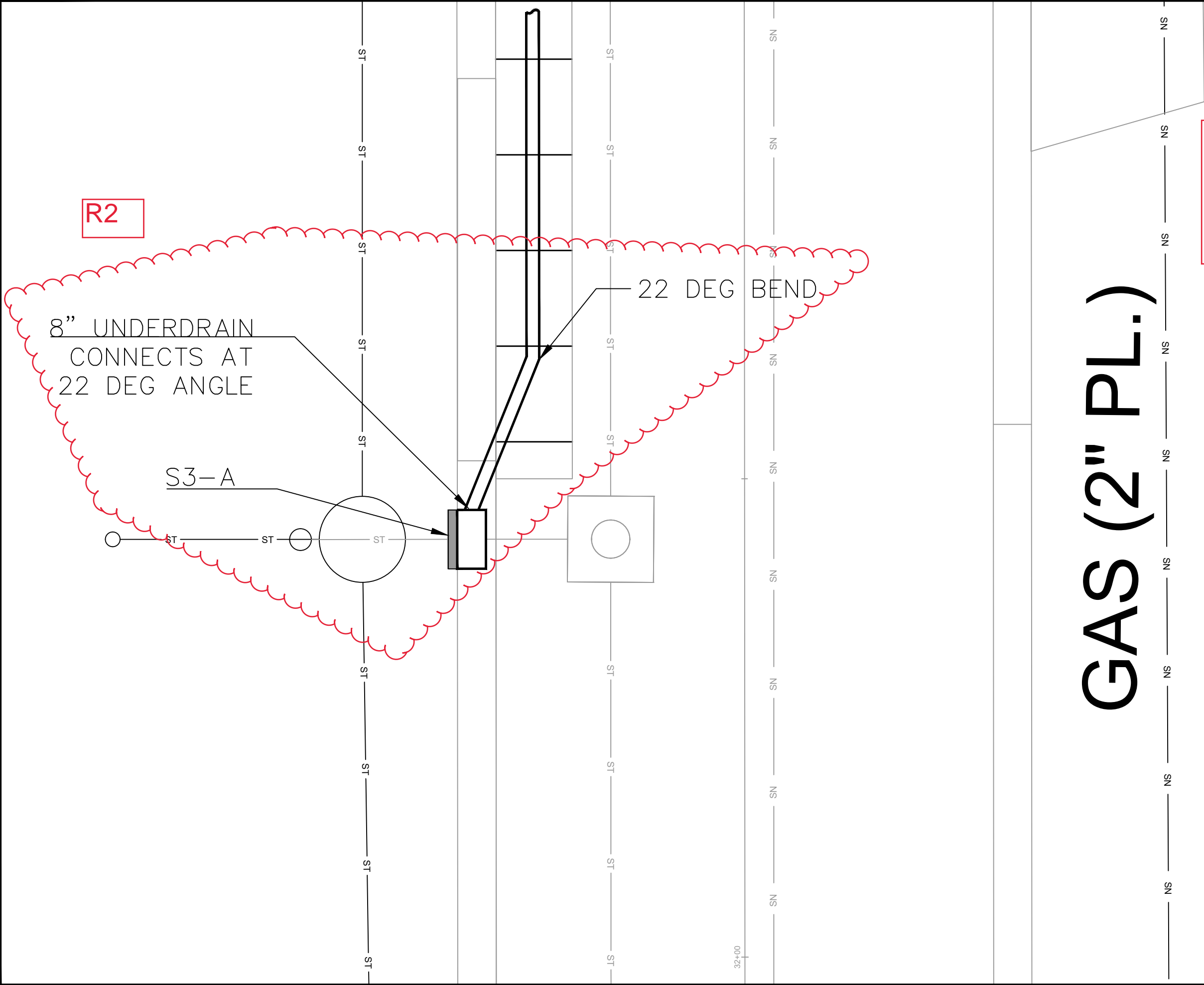
3 PLAN VIEW

DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Required Target Distance from Existing FlowLine (ft)	FIELD VERIFY CURB HEIGHT. ADJUST IF CURB TO FLINE LINE IS NOT 6 INCHES.	
			(ft)	(inches)
A	Ex. Flow Line at CL of Flume	0	-0.5	-6
B	Pro. Gutter Flow Line at CL of Flume	-0.17	-0.67	-8
C	Edge of Flume @ Gutter (Uphill)	varies	varies	
D	Edge of Flume @ Gutter (Downhill)	varies	varies	
E	Bottom of Flume at CL	-0.25	-0.75	-9.00
F	Bottom of Stone/Pond	-0.25	-0.75	-9.00
G	Edge of Flume @ Outfall (Uphill)	varies	0.00	varies
H	Edge of Flume @ Outfall (Downhill)	varies	0.00	varies

REVISED 3-21-2022 SL
REVISED TO SHOW 2' WIDTH OF CONCRETE FLUME

13706
 MADISON, WI
 CONTRACT NO: 8622
 TERRACE RAIN GARDEN DETAIL
 S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
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 13706
 D-3



R2

8" UNDERDRAIN
CONNECTS AT
22 DEG ANGLE

S3-A

22 DEG BEND

GAS (2" PL.)

R2: Pervious Pavers
now end at 32+ 25
and the 8" underdrain
connects at S3-A.

NC



13706
D-4

UNDERDRAIN CONNECTION TO S2-A

S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022 MADISON, WI

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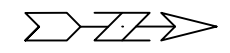
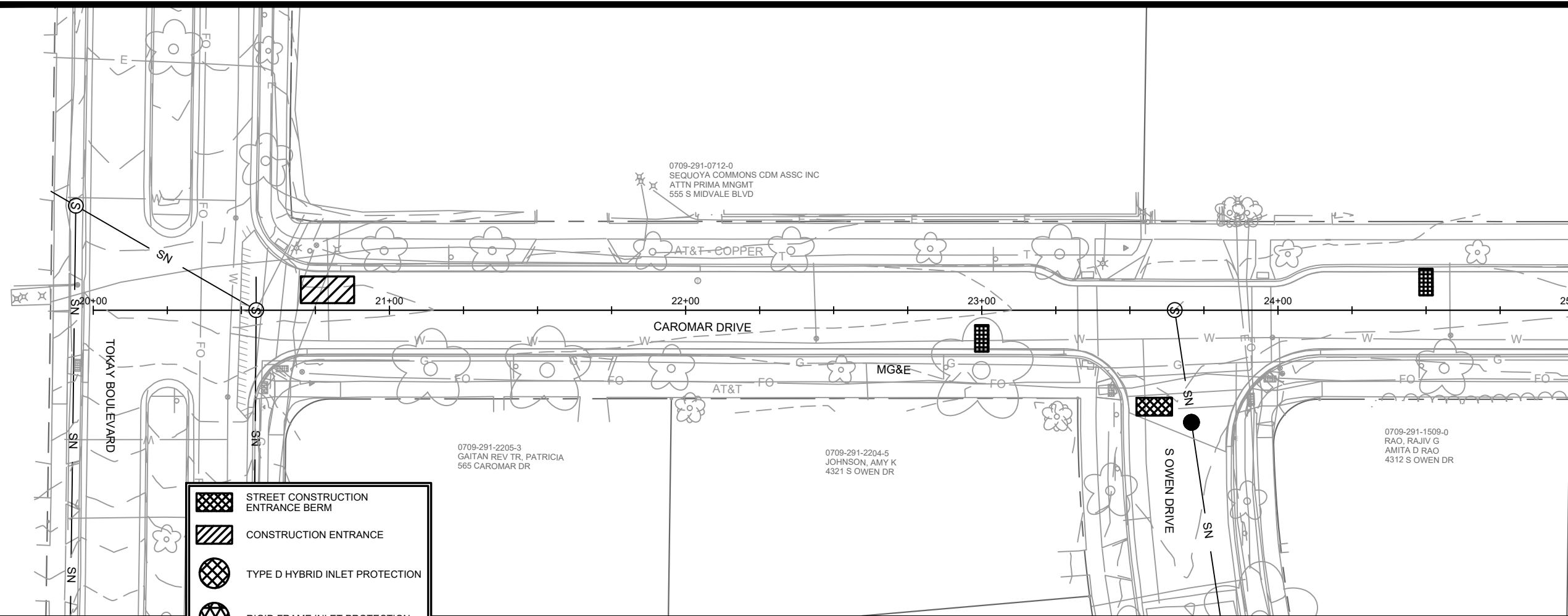
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
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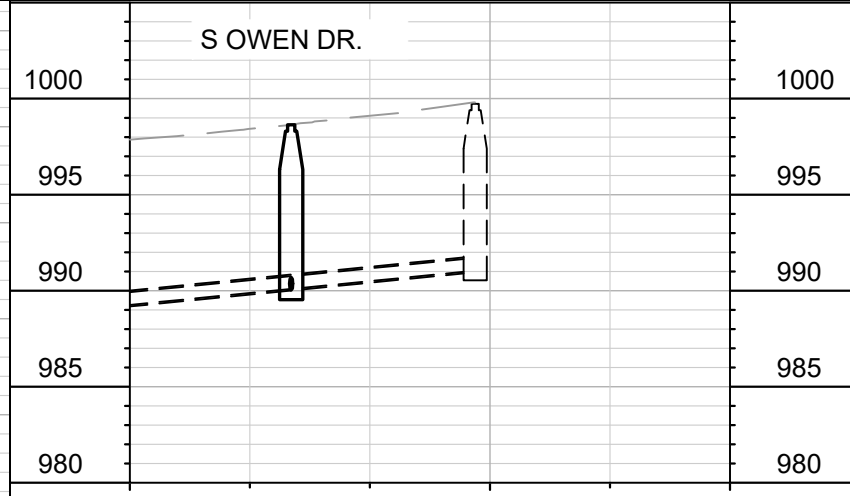
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D-4



-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  RIGID FRAME INLET PROTECTION
-  SILT FENCE/SILT SOCK
-  STREET CONSTRUCTION STONE BERM



1030
1025
1020
1015
1010
1005
1000
995
990
985

20+00 21+00 22+00 23+00 24+00 25+00

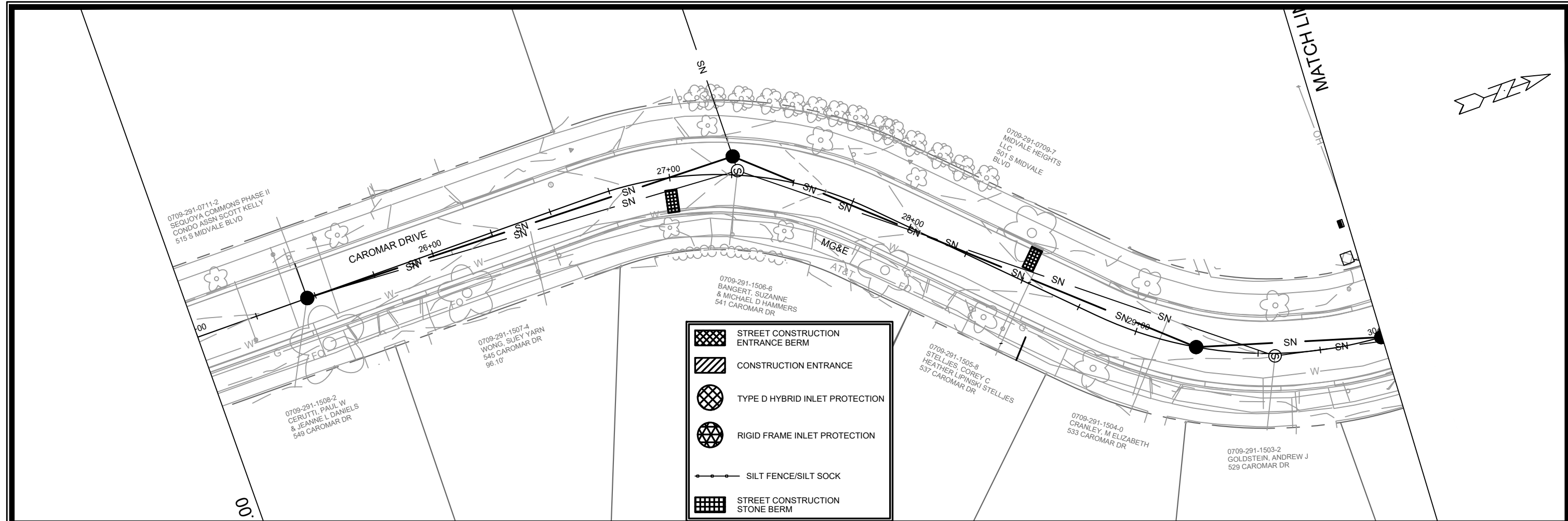
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
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MADISON, WI
8622
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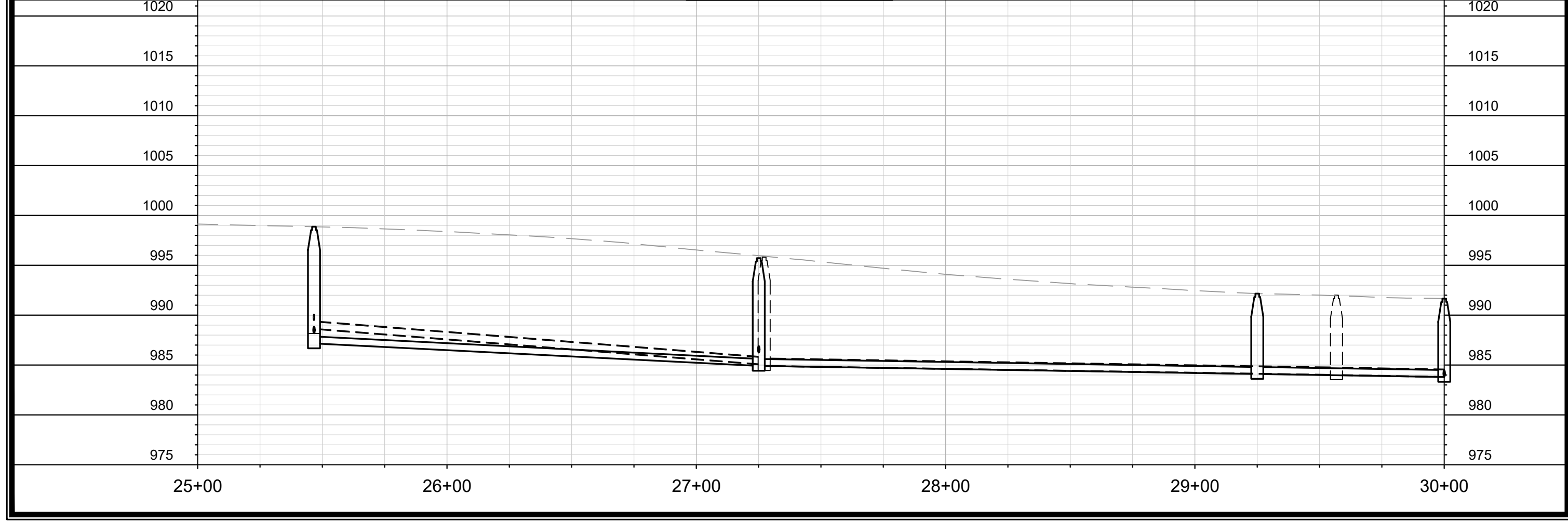
EROSION CONTROL PLAN & PROFILE - CAROMAR DRIVE
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
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13706
EC-1



-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  RIGID FRAME INLET PROTECTION
-  SILT FENCE/SILT SOCK
-  STREET CONSTRUCTION STONE BERM



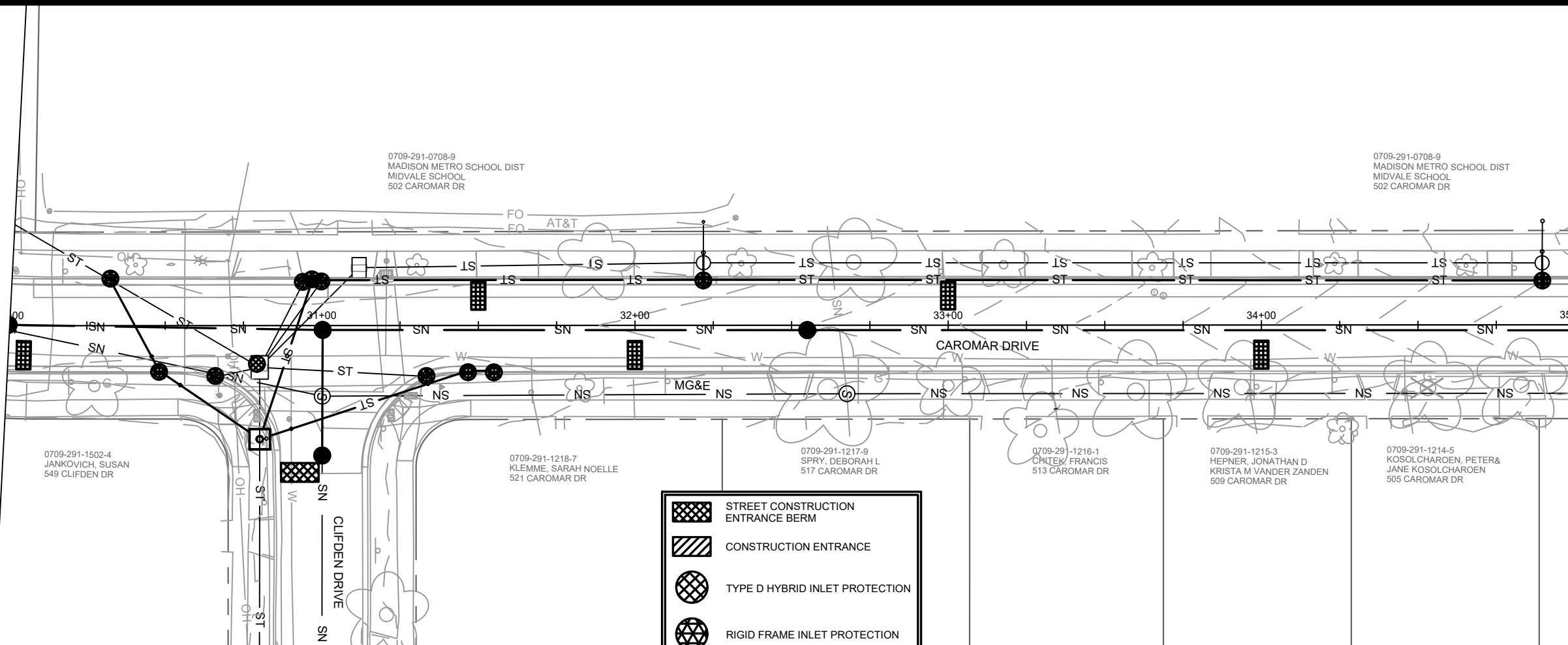
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 MADISON, WI
 CONTRACT NO: 8622

EROSION CONTROL PLAN & PROFILE - CAROMAR DRIVE
 S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
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 13706
 EC-2

E 30+00.00



0709-291-0708-9
MADISON METRO SCHOOL DIST
MIDVALE SCHOOL
502 CAROMAR DR

0709-291-0708-9
MADISON METRO SCHOOL DIST
MIDVALE SCHOOL
502 CAROMAR DR

0709-291-1502-4
JANKOVICH, SUSAN
549 CLIFDEN DR

0709-291-1218-7
KLEMM, SARAH NOELLE
521 CAROMAR DR

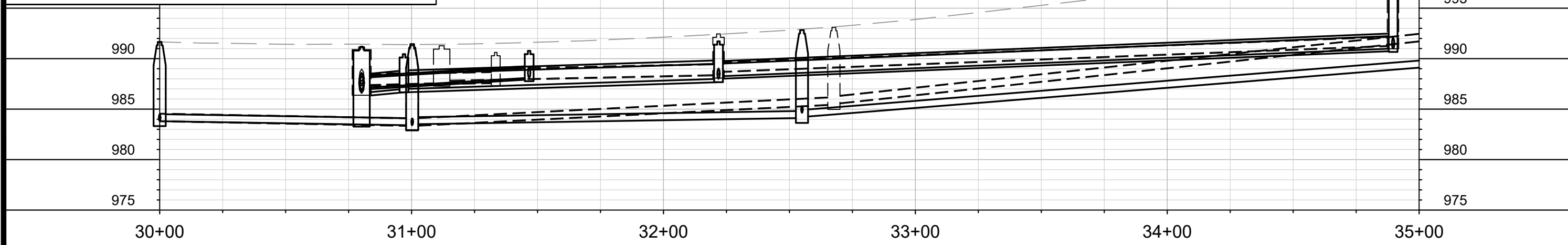
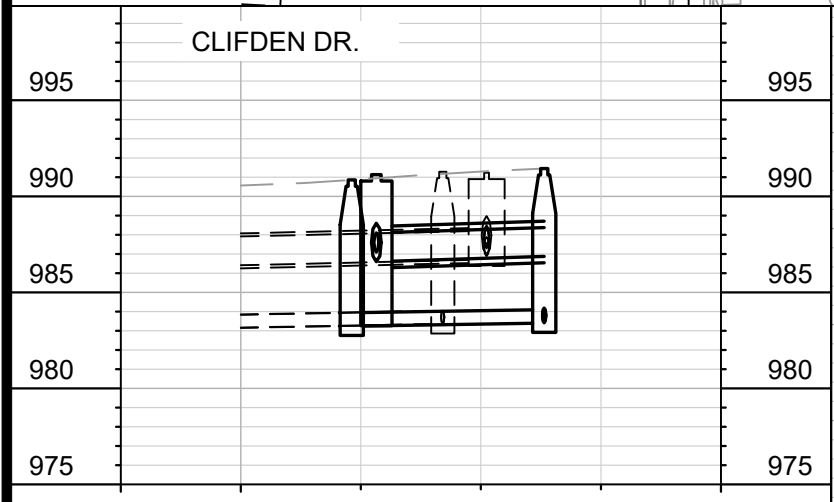
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SPRY, DEBORAH L
517 CAROMAR DR

0709-291-1216-1
CHITEK, FRANCIS
513 CAROMAR DR

0709-291-1215-3
HEPNER, JONATHAN D
KRISTA M VANDER ZANDEN
509 CAROMAR DR

0709-291-1214-5
KOSOLCHAROEN, PETER &
JANE KOSOLCHAROEN
505 CAROMAR DR

	STREET CONSTRUCTION ENTRANCE BERM
	CONSTRUCTION ENTRANCE
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	RIGID FRAME INLET PROTECTION
	SILT FENCE/SILT SOCK
	STREET CONSTRUCTION STONE BERM



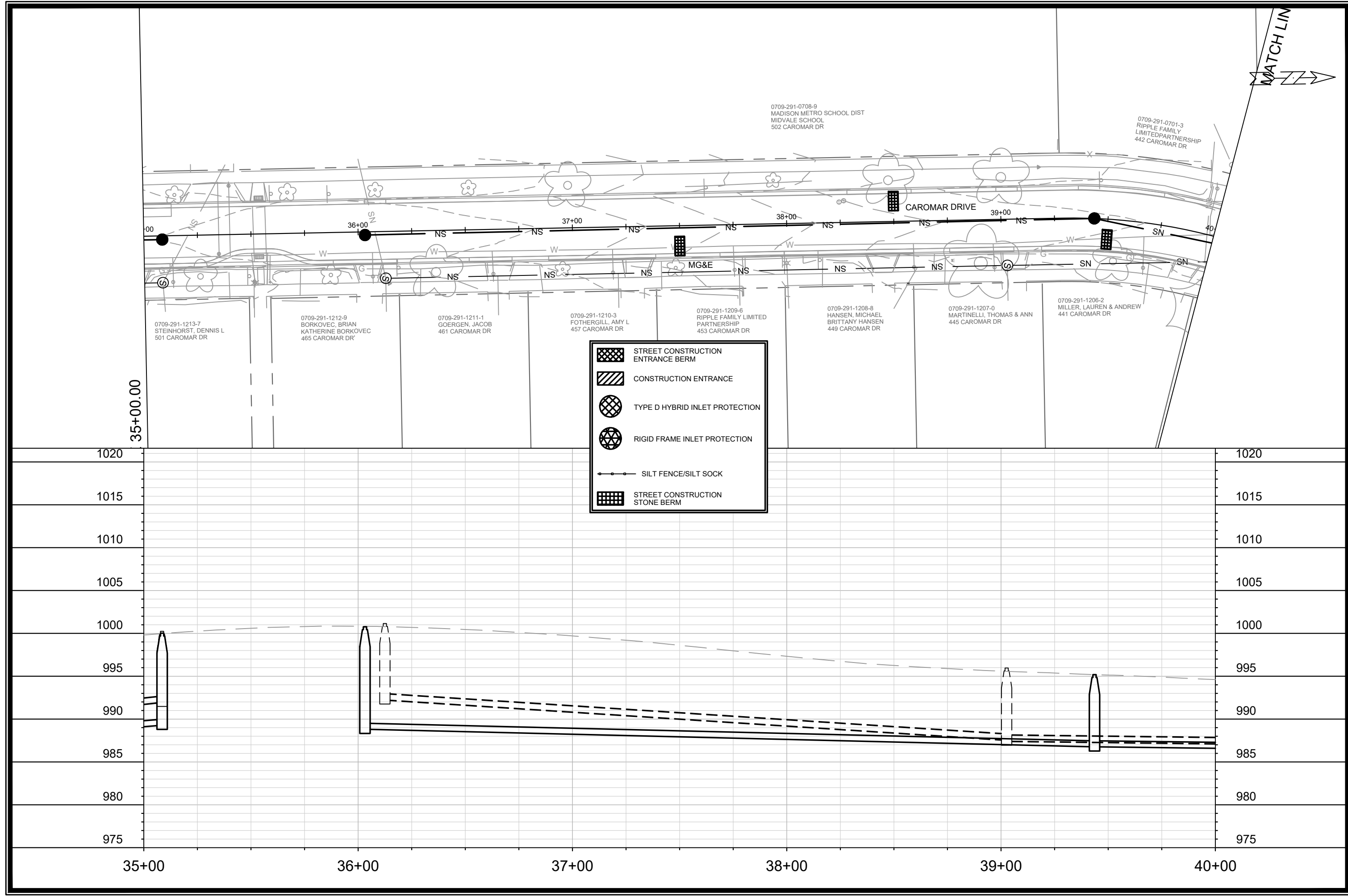
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 MADISON, WI
 S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
 CONTRACT NO: 8622
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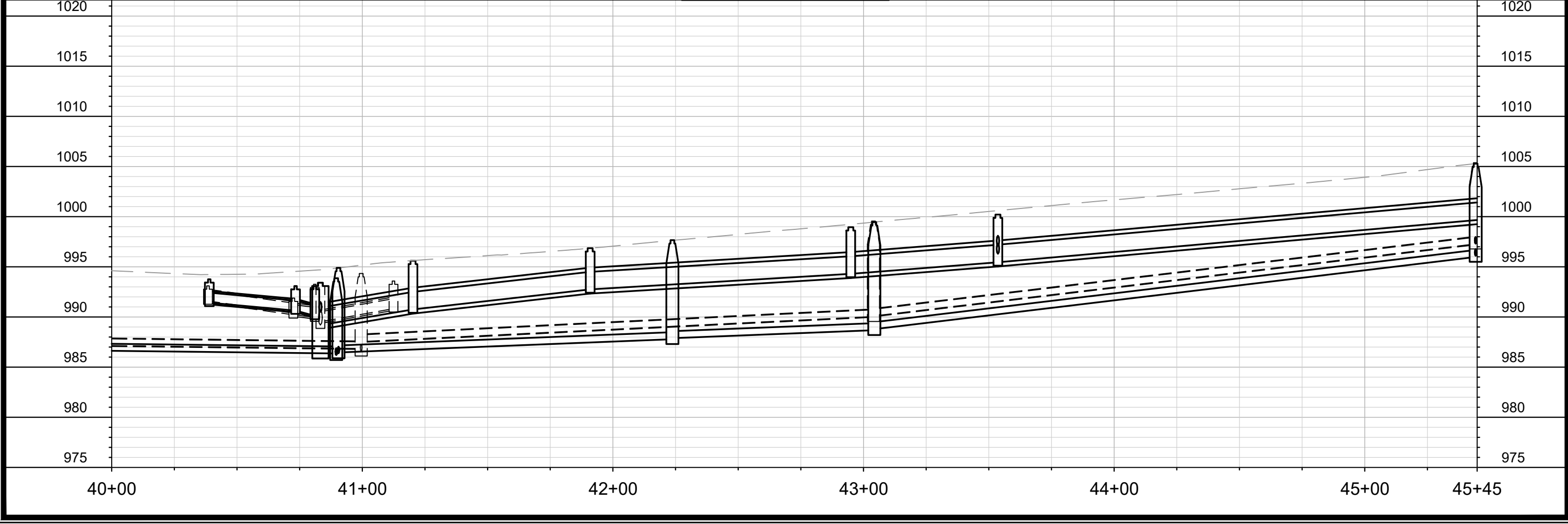
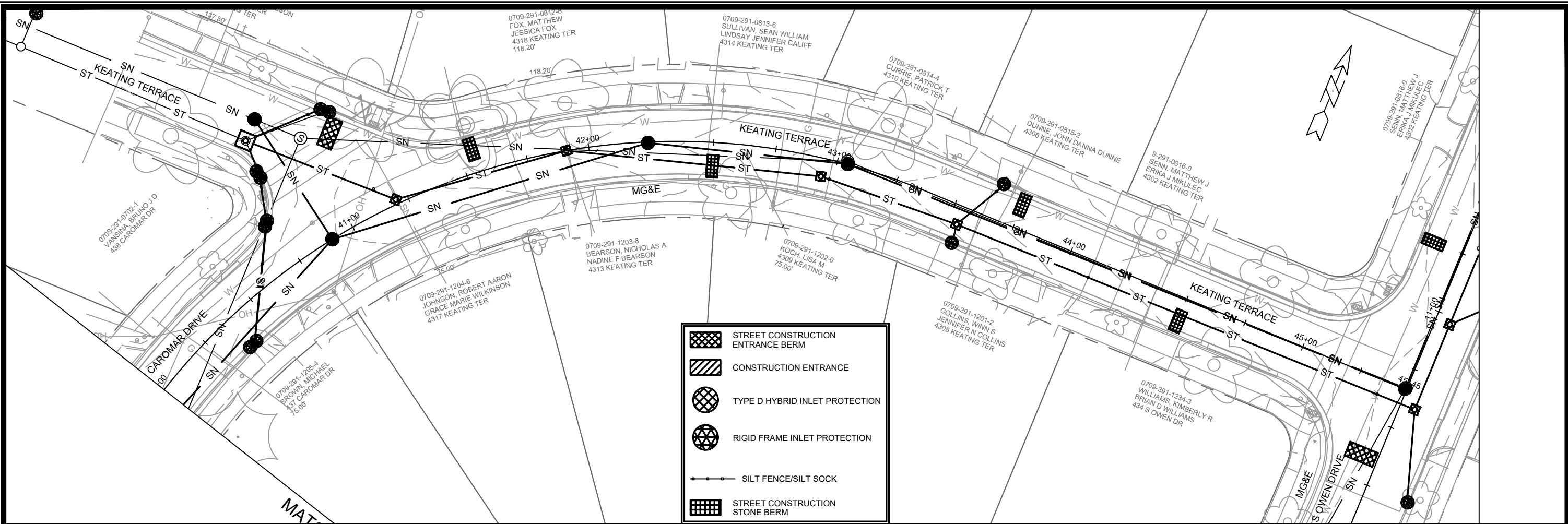
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 MADISON, WI
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 CONTRACT NO: 8622
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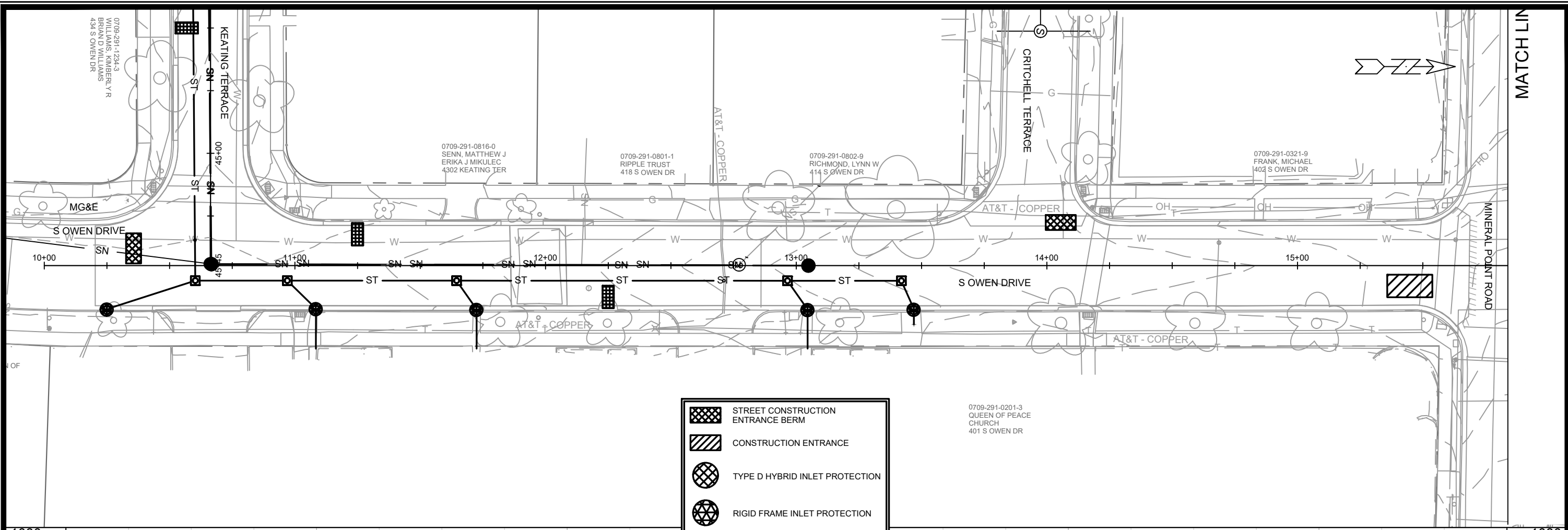

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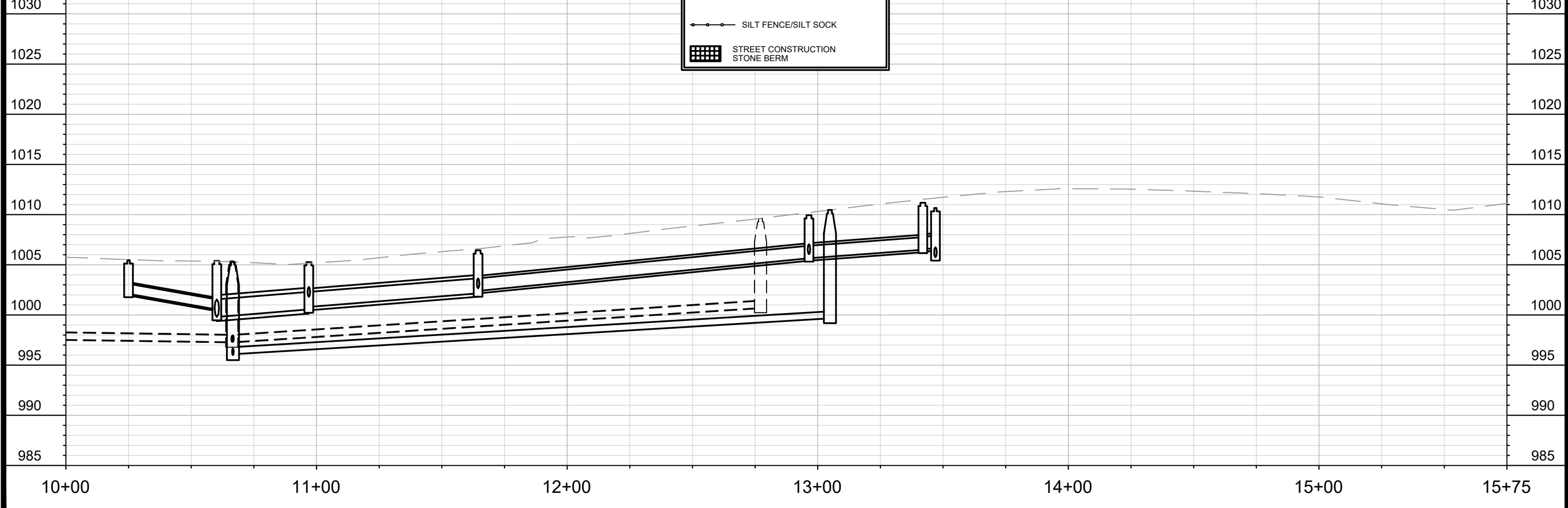
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EROSION CONTROL PLAN & PROFILE - CAROMAR DRIVE		MADISON, WI	
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022		CONTRACT NO: 8622	
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13706
EC-5



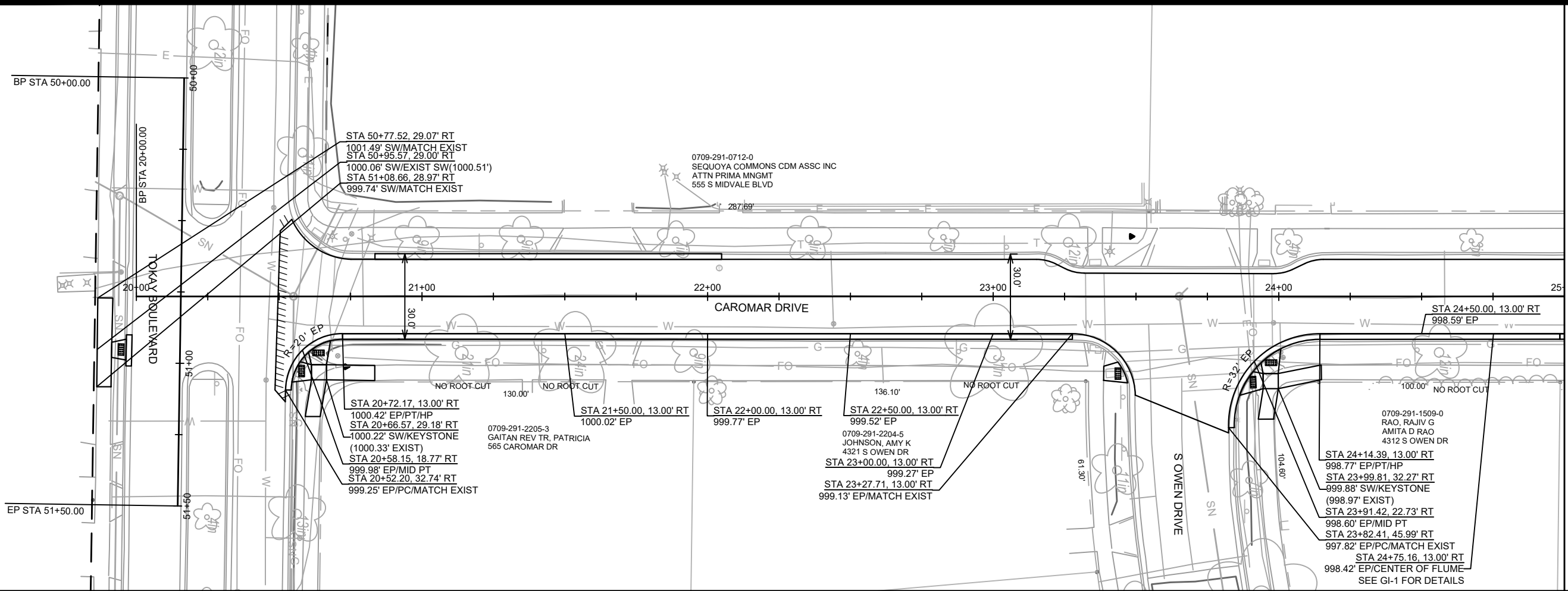
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	CONSTRUCTION ENTRANCE
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	RIGID FRAME INLET PROTECTION
	SILT FENCE/SILT SOCK
	STREET CONSTRUCTION STONE BERM



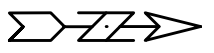
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 MADISON, WI
 S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
 CONTRACT NO: 8622
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 EC-6



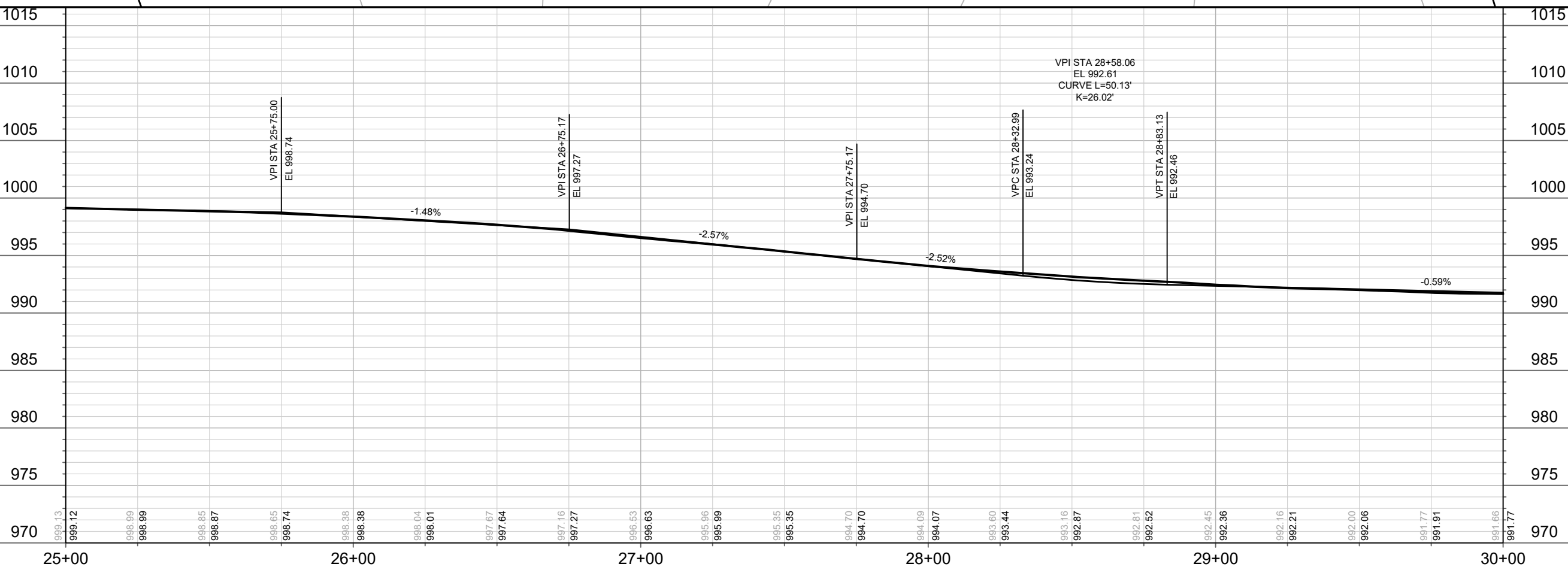
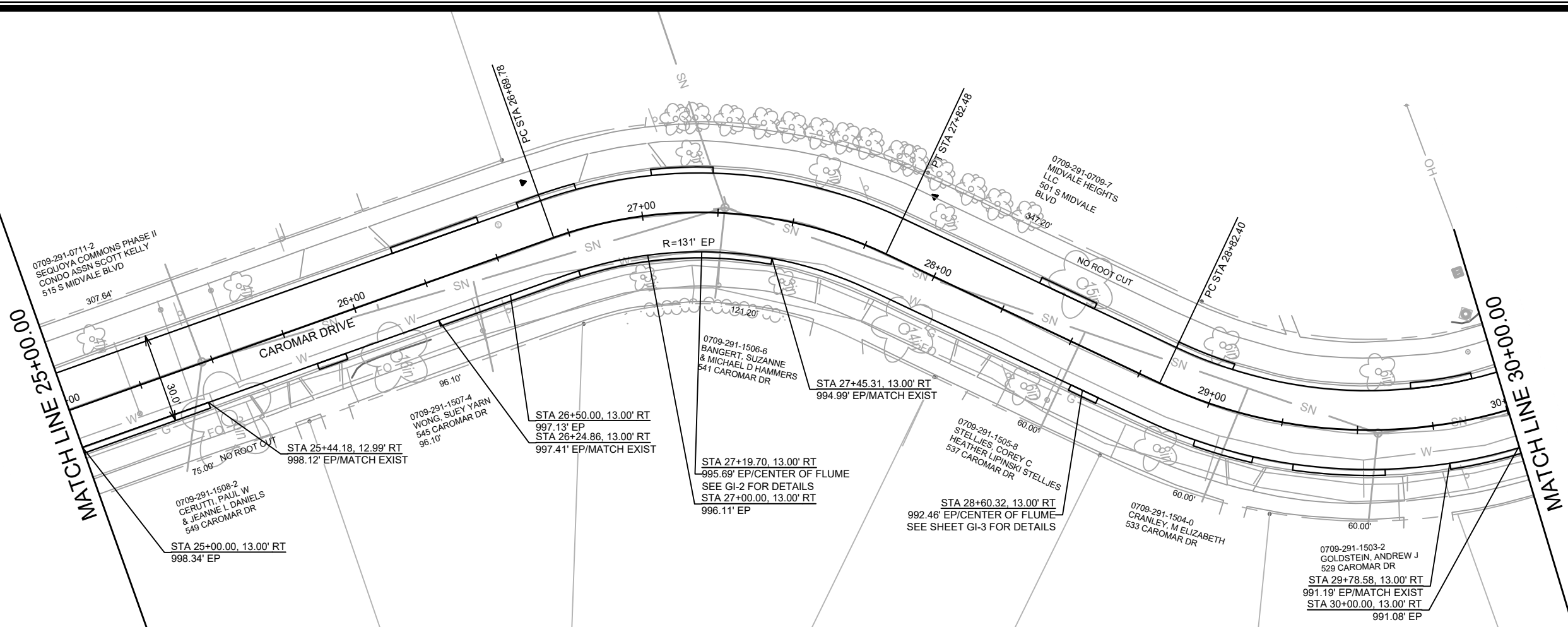
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 S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
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13706	P-2

13706

MADISON, WI

CONTRACT NO: 8622

PLAN & PROFILE - CAROMAR DRIVE

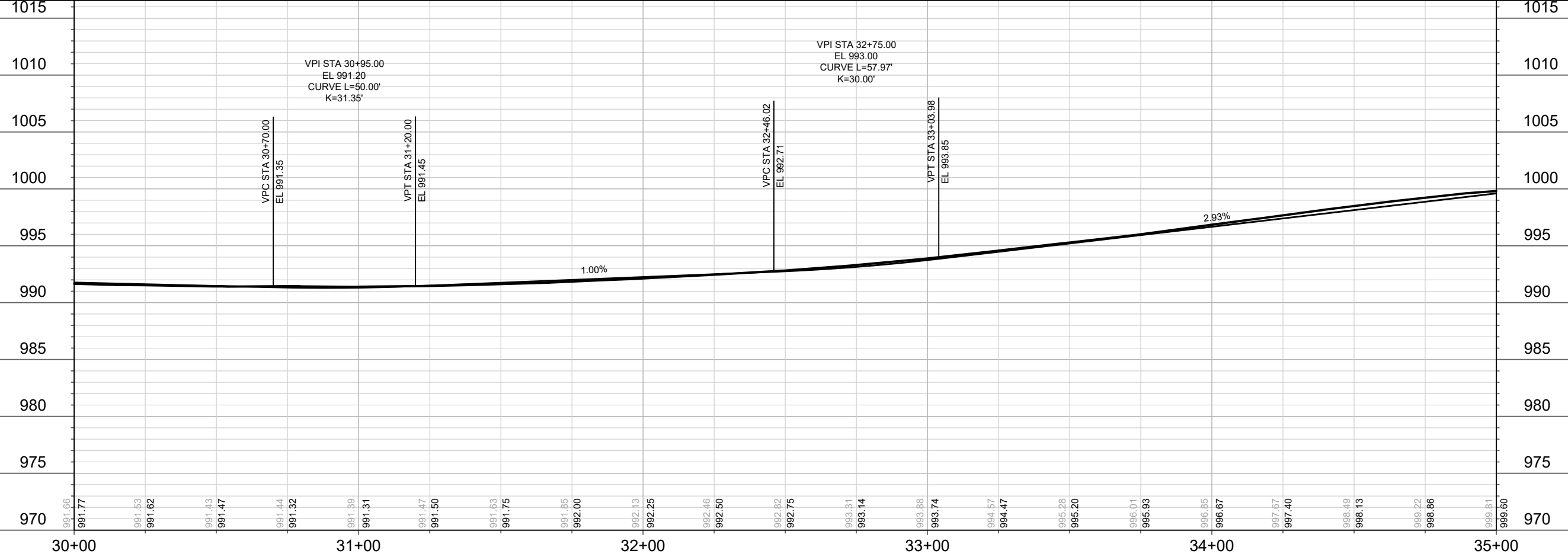
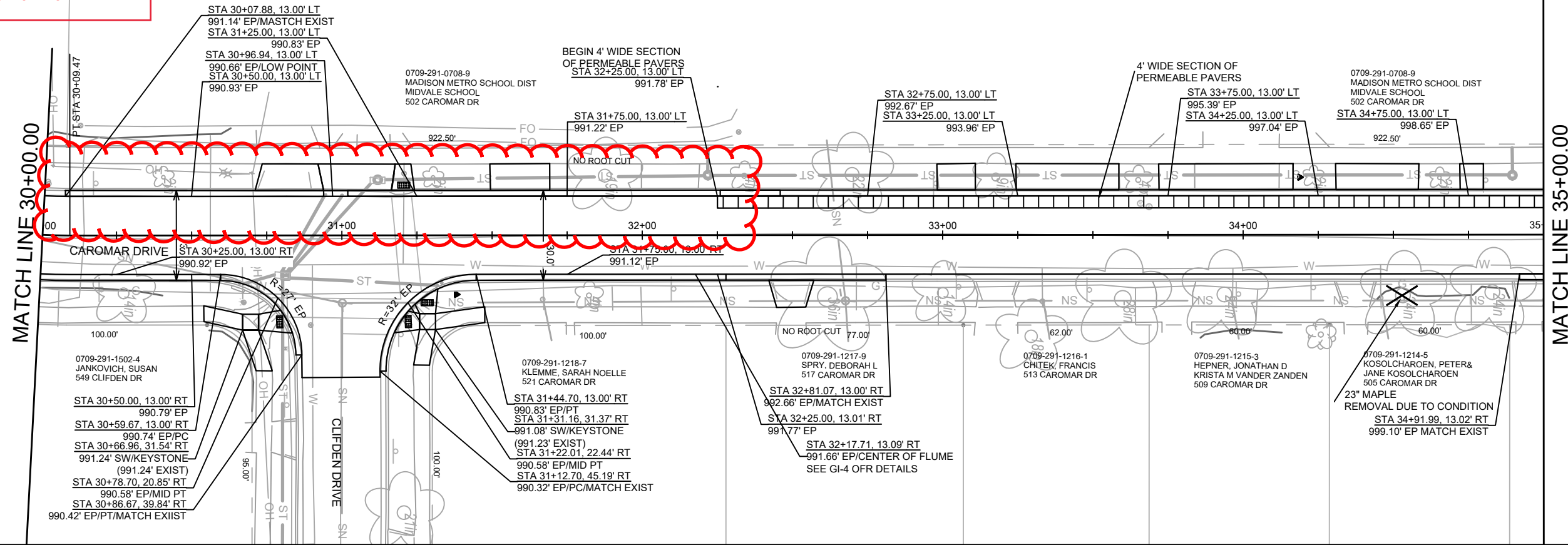
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022

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13706

P-2

REVISED START OF 4' WIDE PERVIOUS
PAVERS TO STATION 32+25



DATE	BY
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P-3	

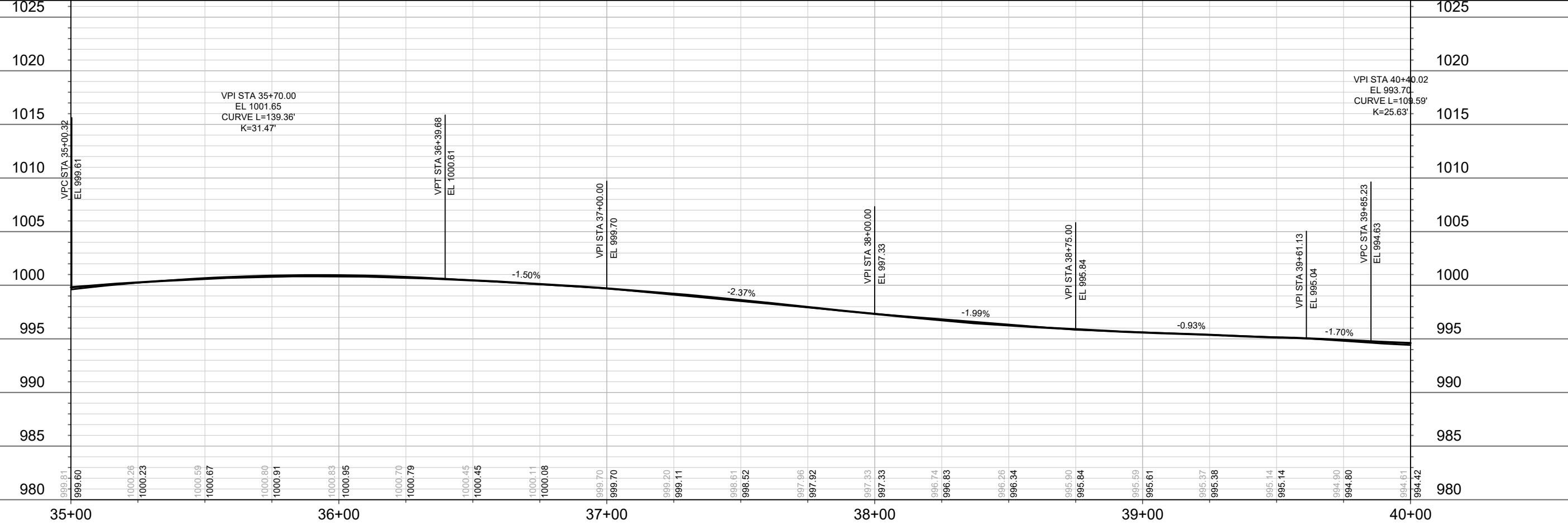
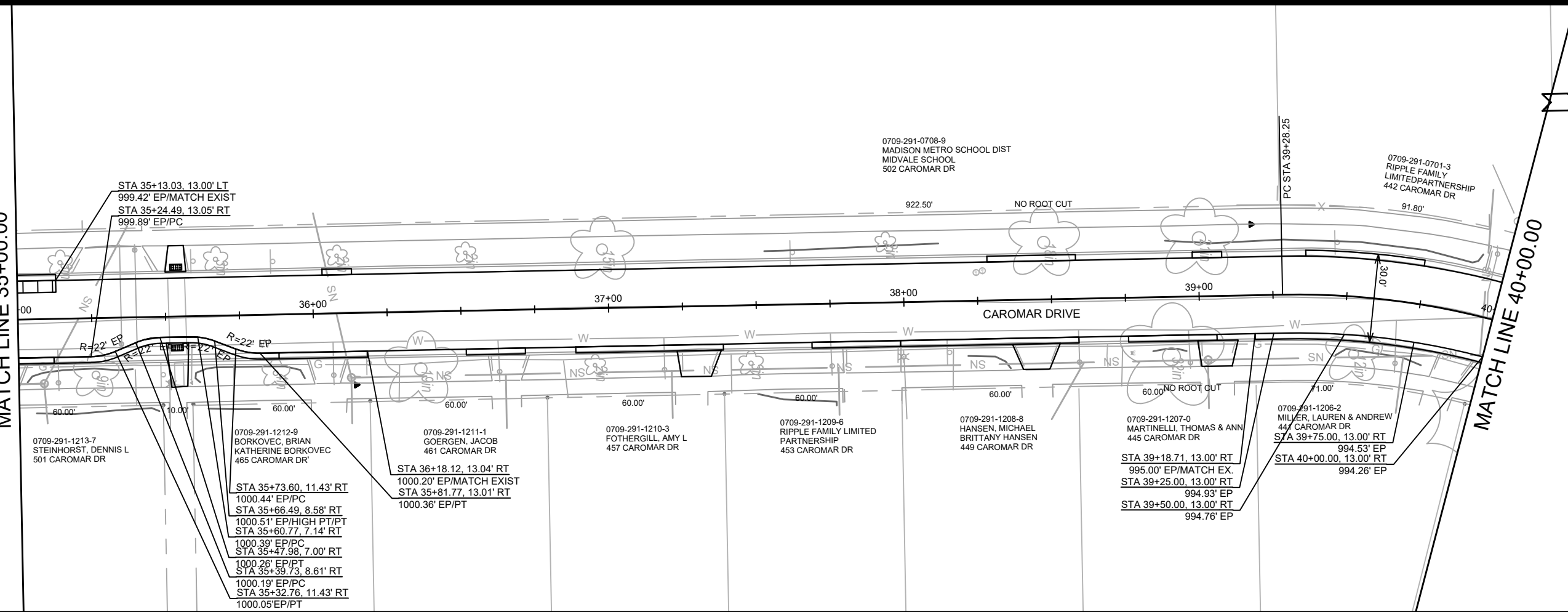
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MADISON, WI
CONTRACT NO: 8622
PLAN & PROFILE - CAROMAR DRIVE
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
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13706
P-3

MATCH LINE 35+00.00

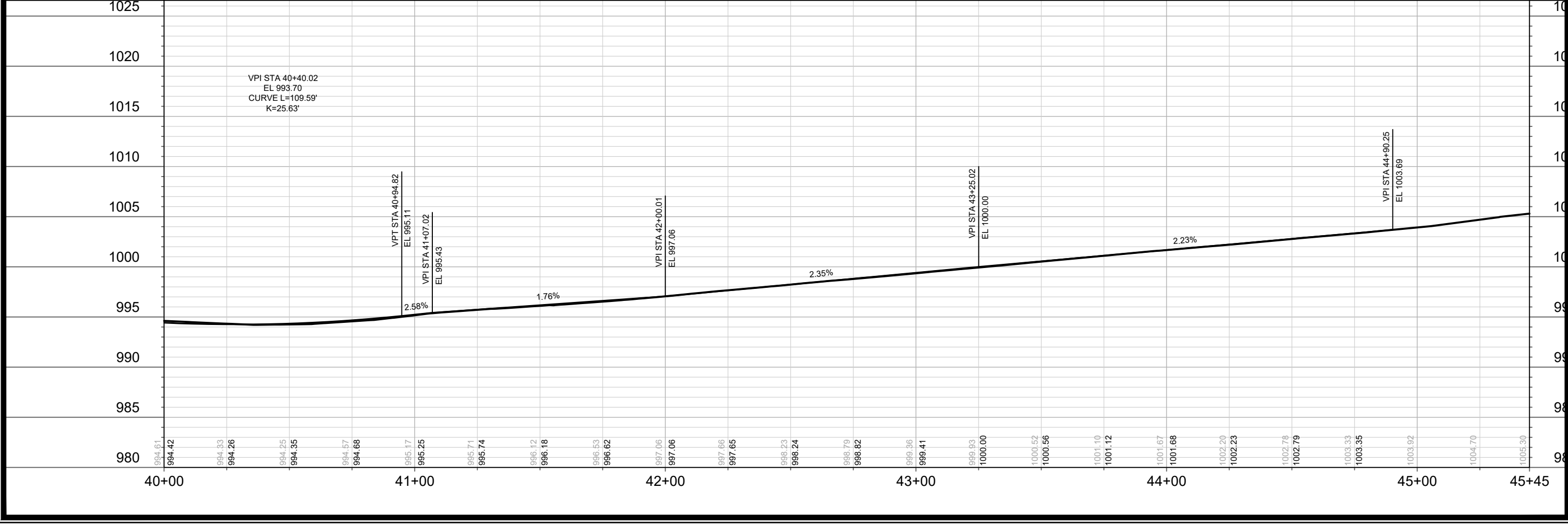
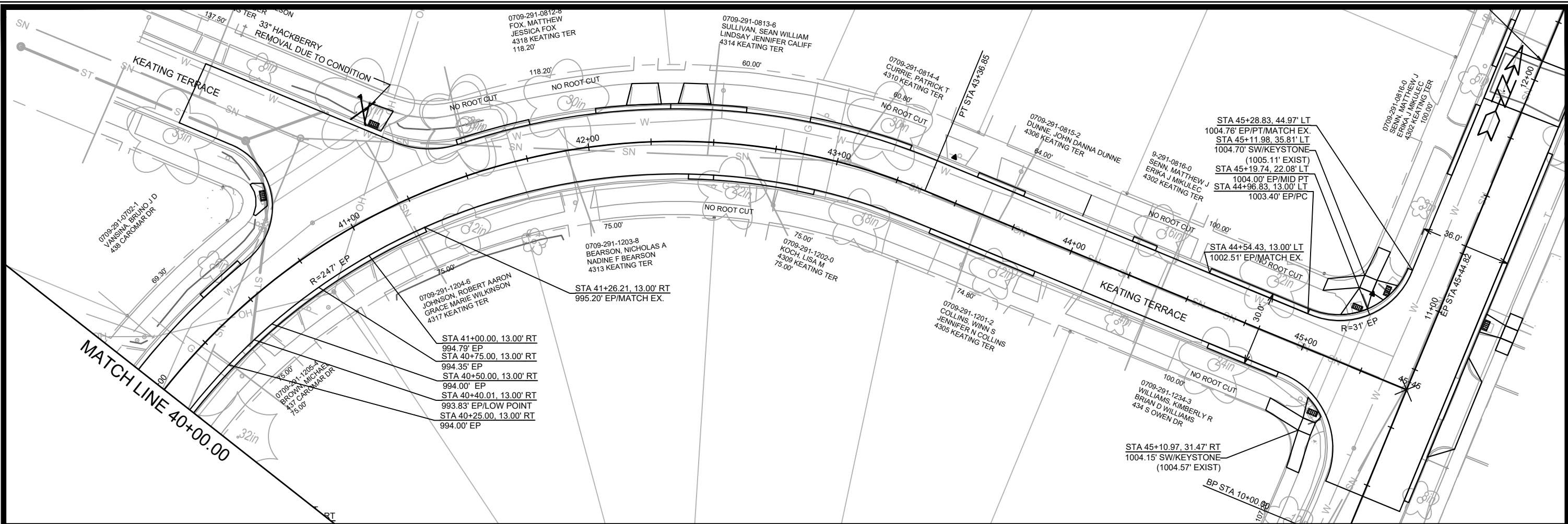
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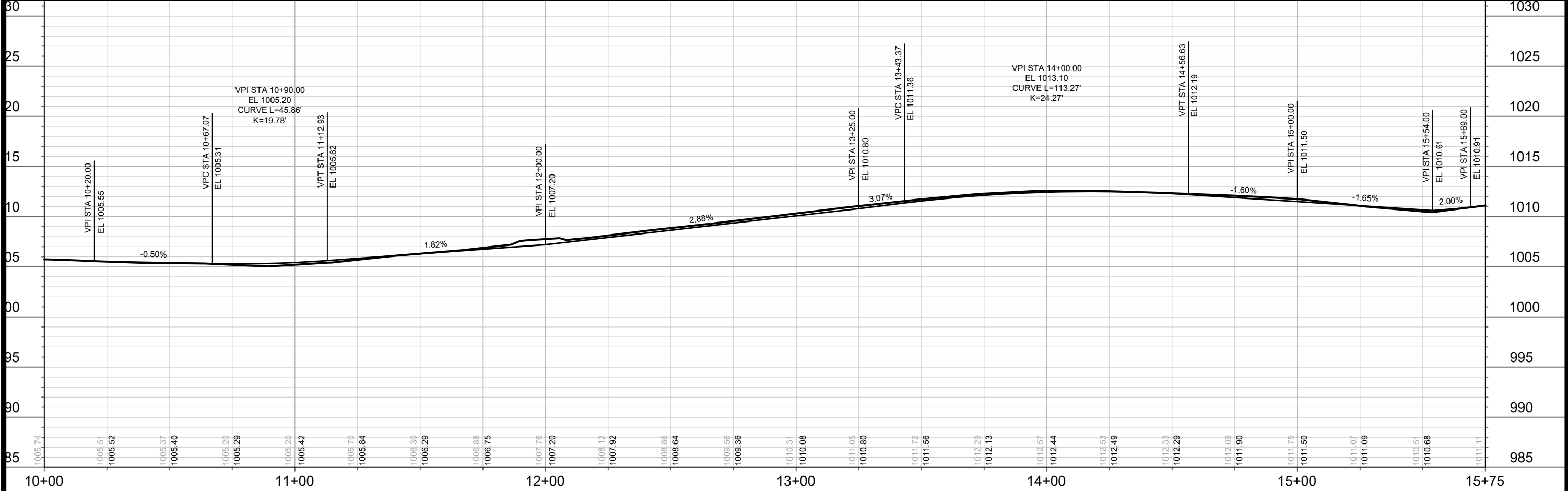
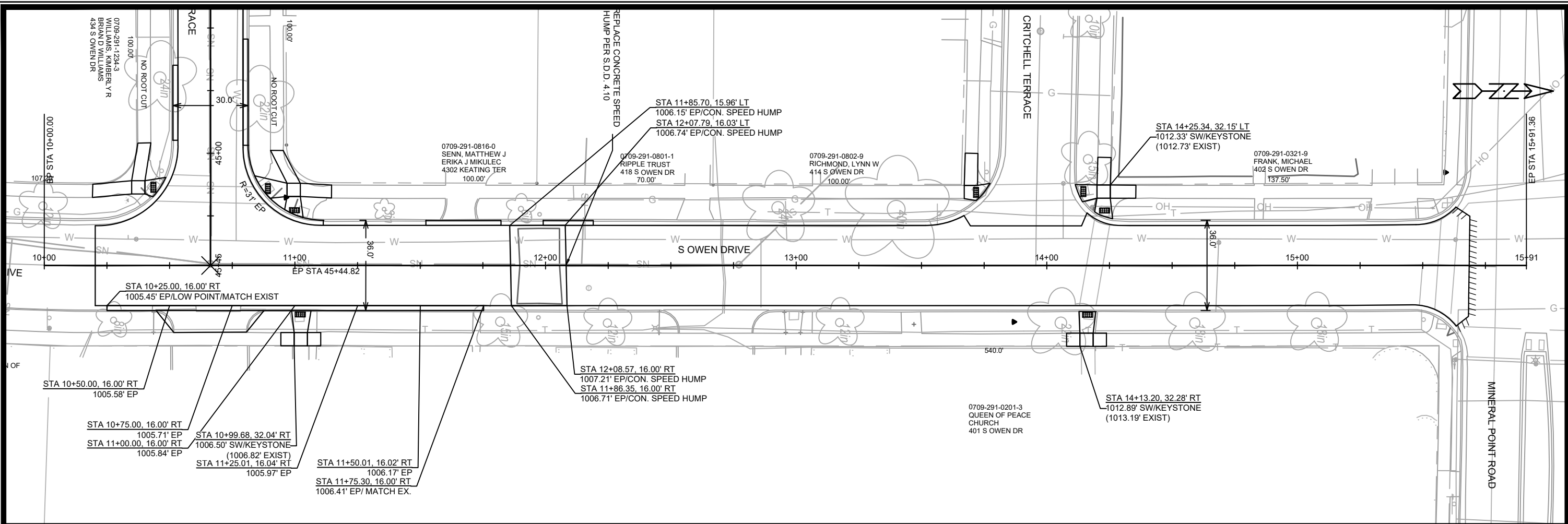
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 MADISON, WI
 S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
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13706	MADISON, WI	8622	CONTRACT NO:
PLAN & PROFILE - CAROMAR DRIVE			
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022			
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13706		P-5	



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8622	P-6

13706 MADISON, WI CONTRACT NO: 8622

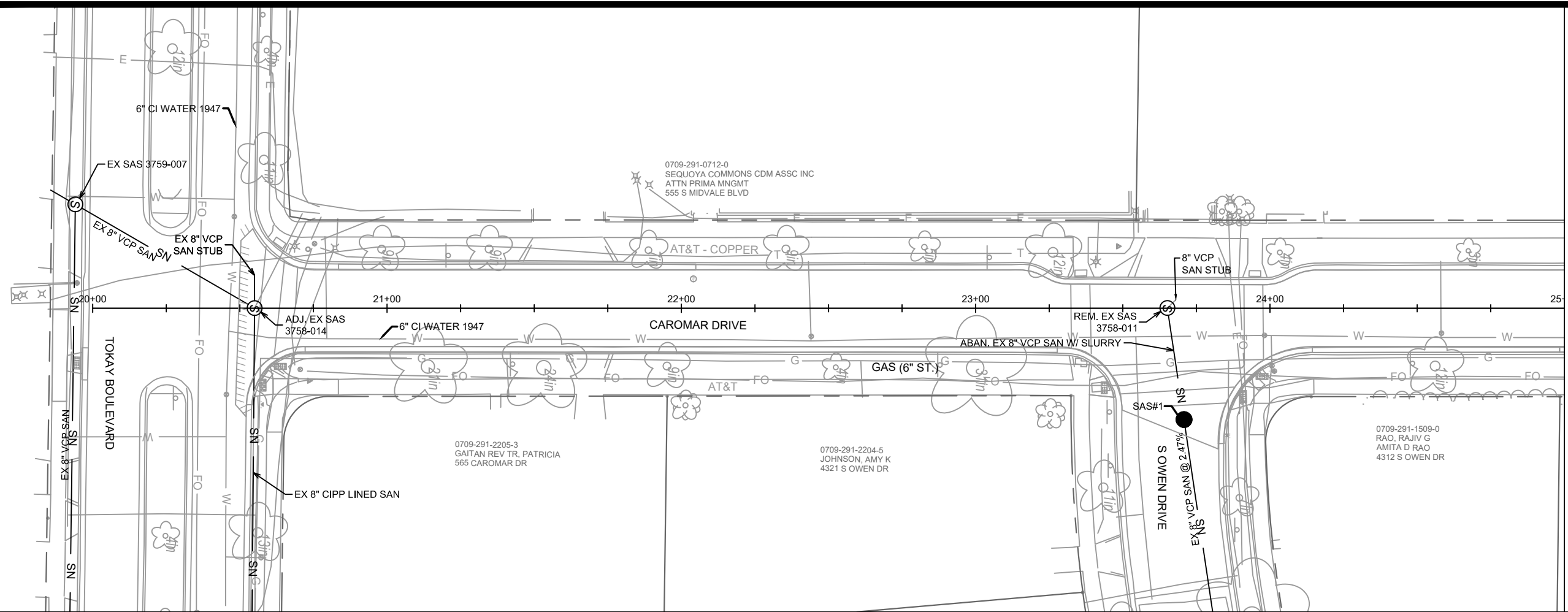
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S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022

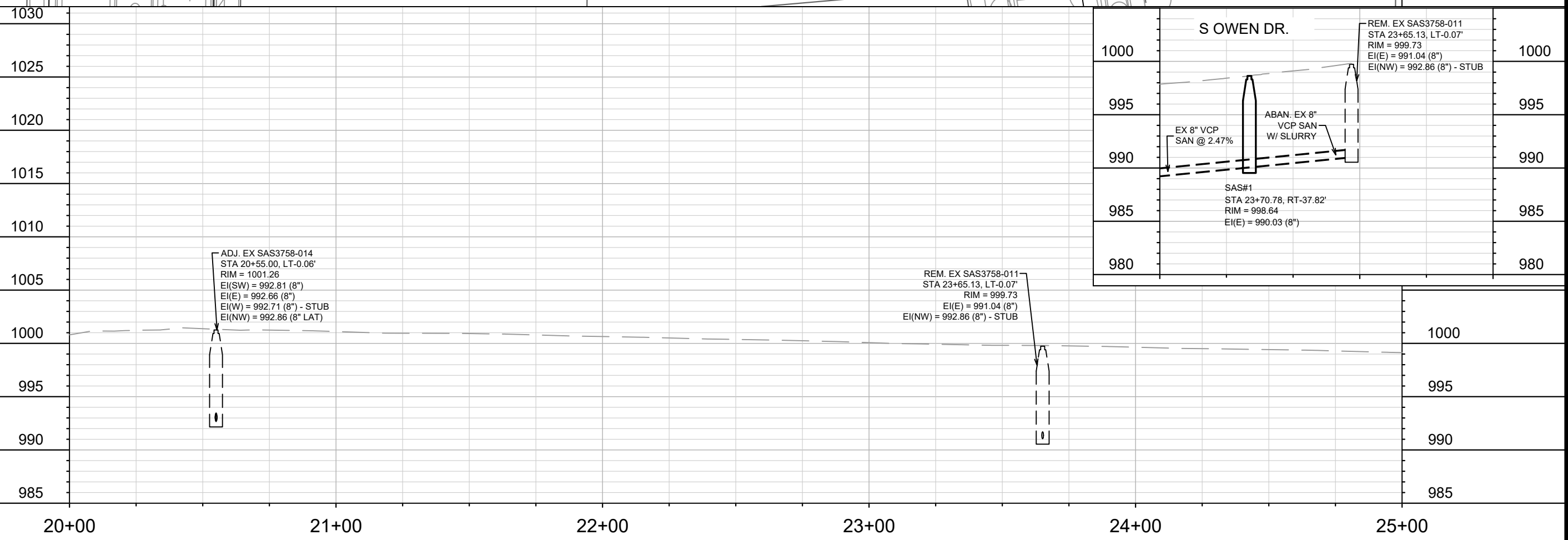
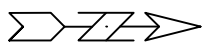
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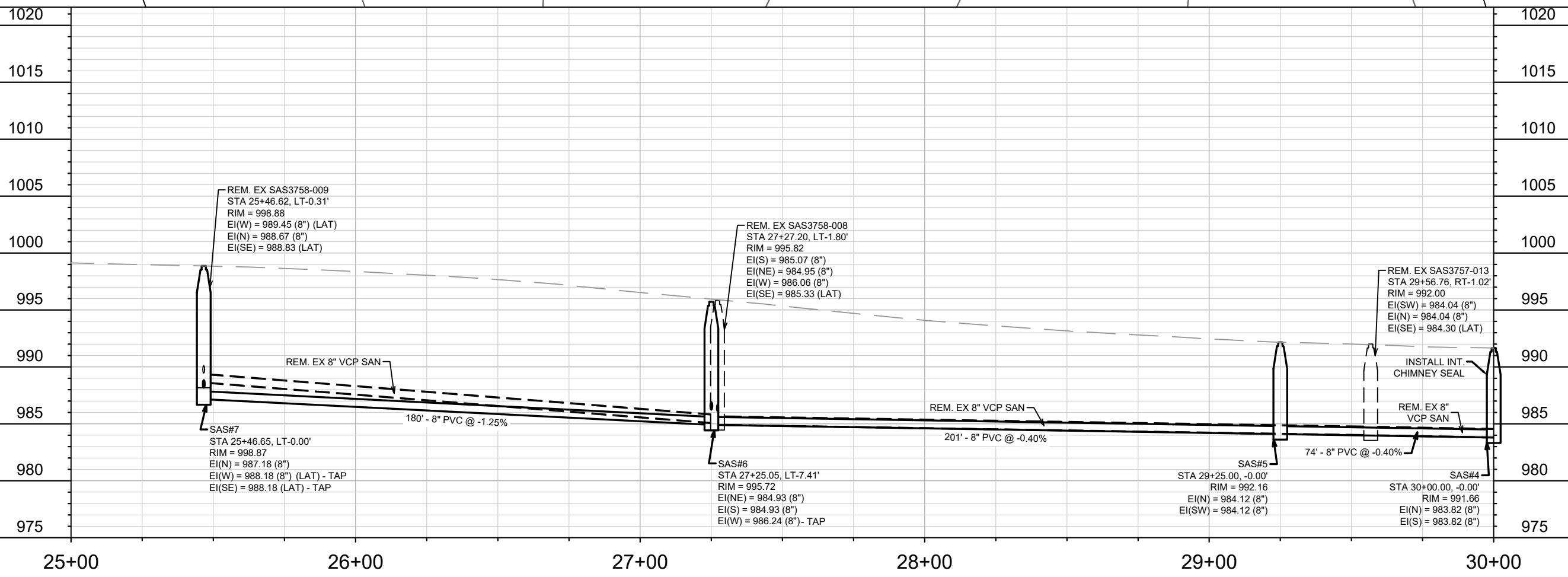
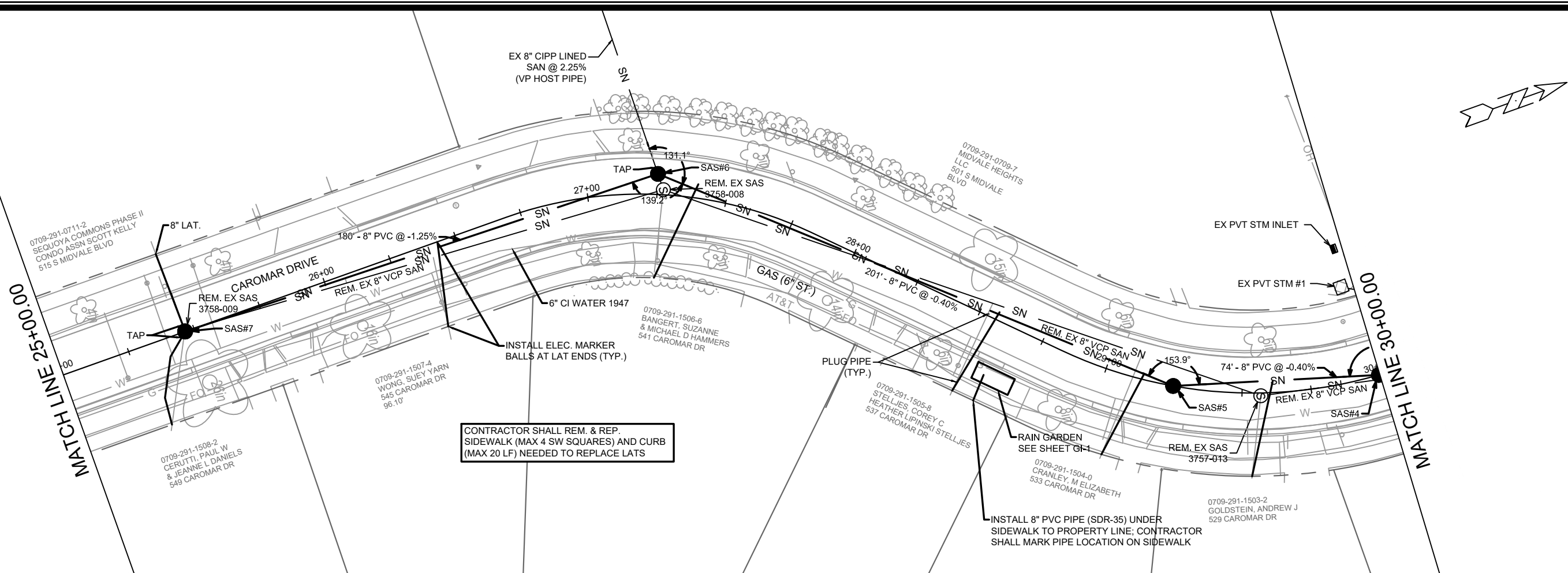
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MATCH LINE 25+00.00



13706	MADISON, WI	8622	U-1
UTILITY PLAN & PROFILE - CAROMAR DRIVE		CONTRACT NO:	
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MADISON, WI

CONTRACT NO: 8622

UTILITY PLAN & PROFILE - CAROMAR DRIVE

S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022

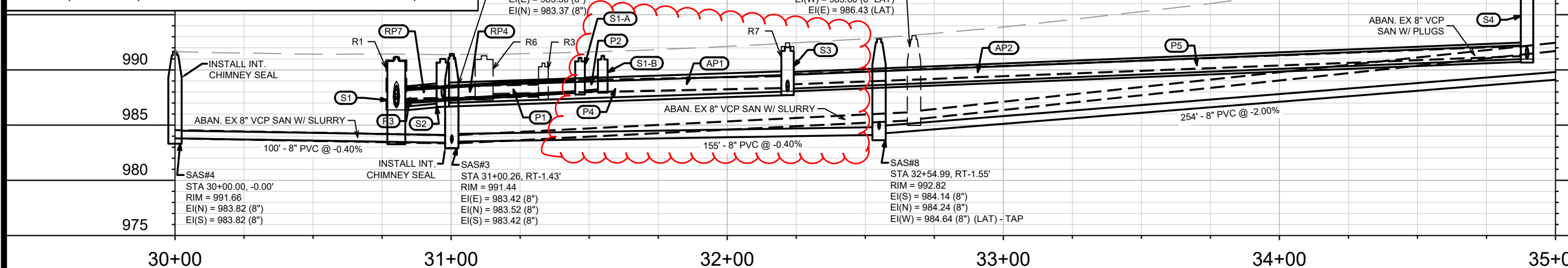
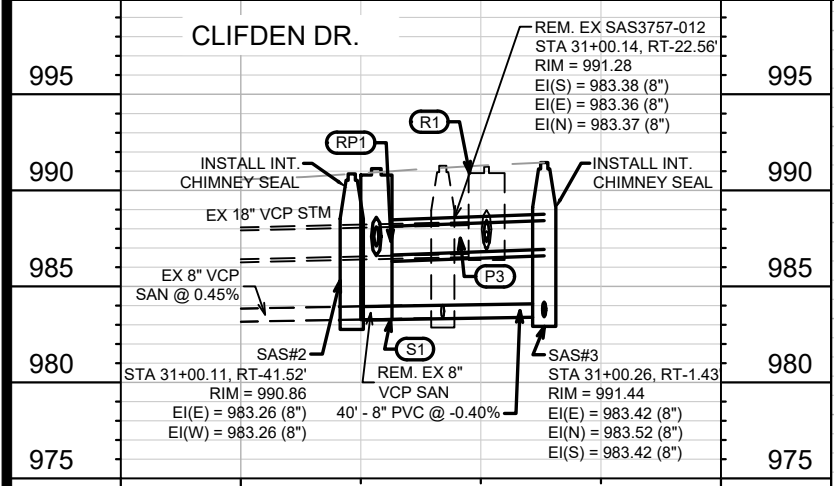
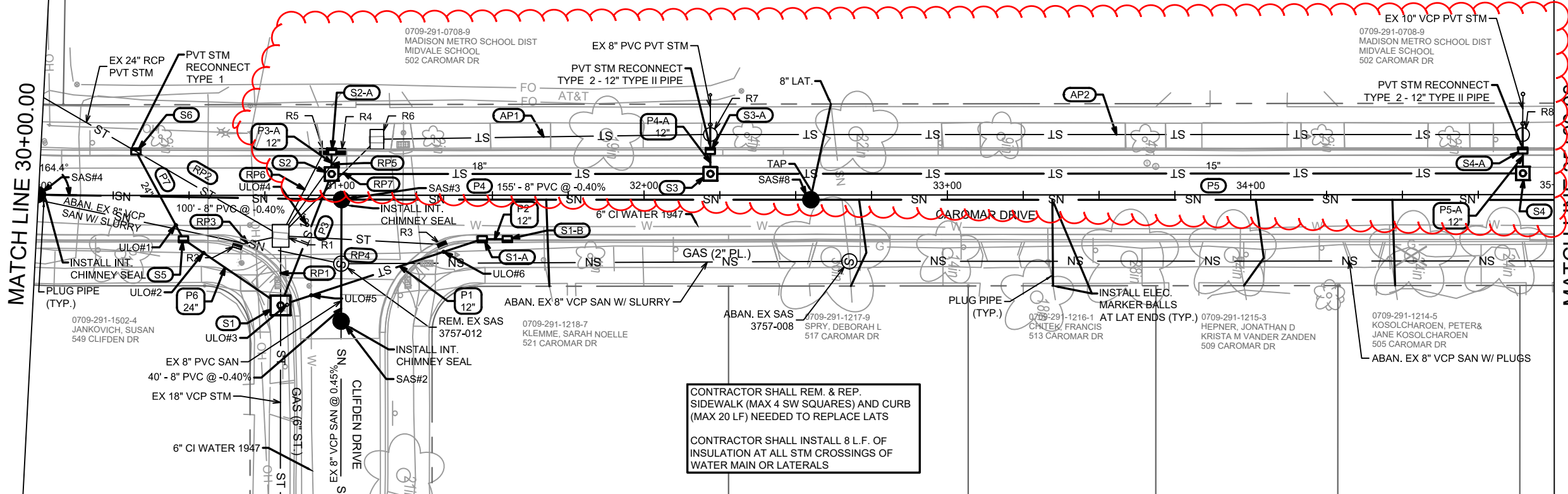
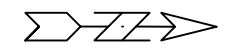
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MATCHLINE 30+00.00

MATCHLINE 35+00.00



13706

MADISON, WI

CONTRACT NO.: 8622

UTILITY PLAN & PROFILE - CAROMAR DRIVE

S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022

13706

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REVISION

DATE

BY

5/27/22

MAA

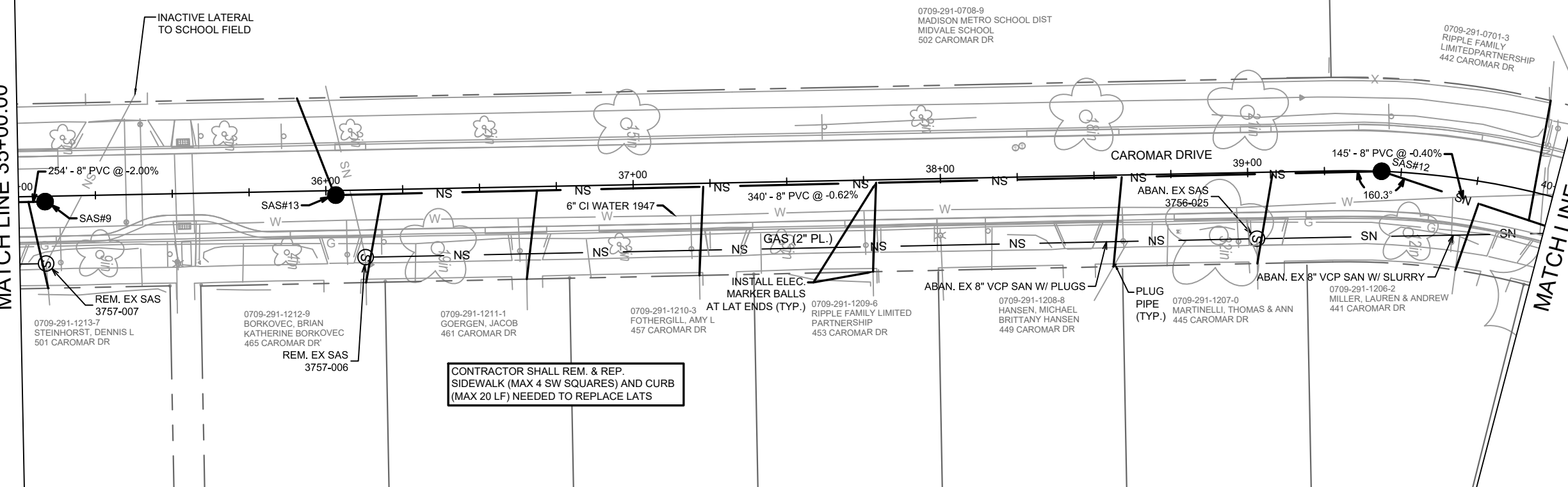
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U-3

MATCH LINE 35+00.00

MATCH LINE 40+00.00



1020

1015

1010

1005

1000

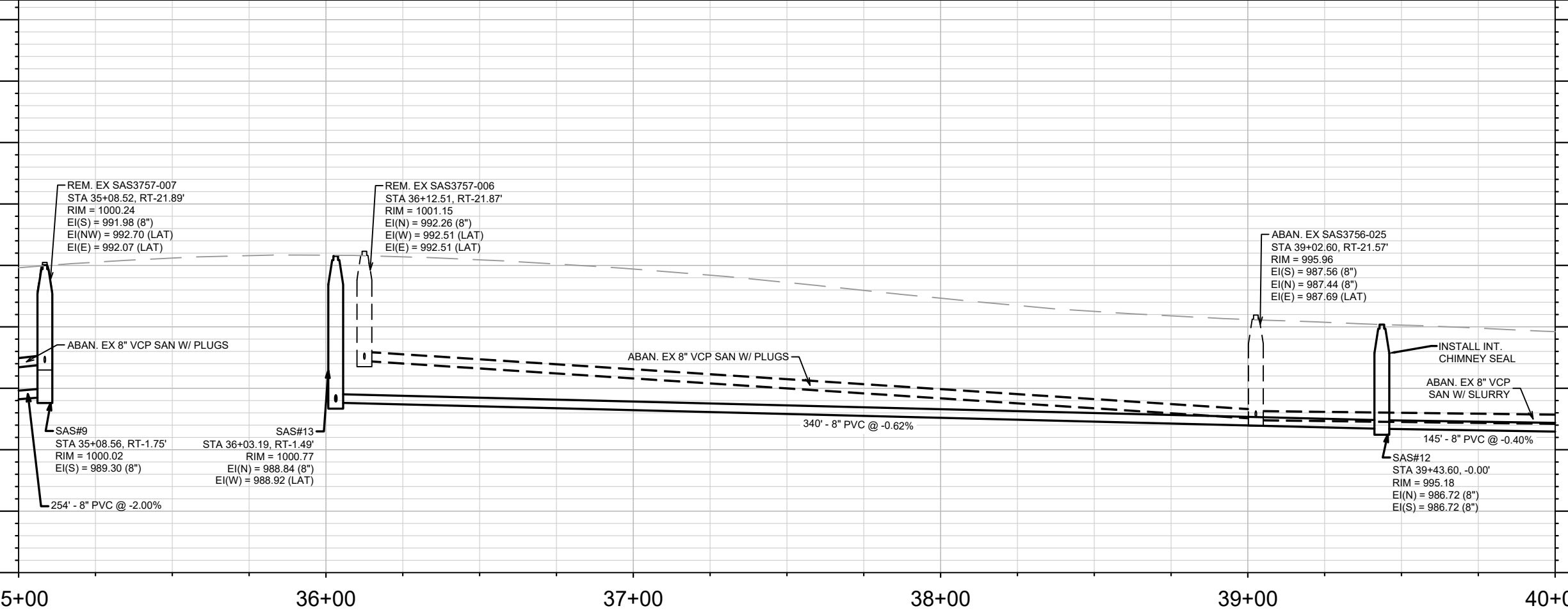
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1010

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1000

995

990

985

980

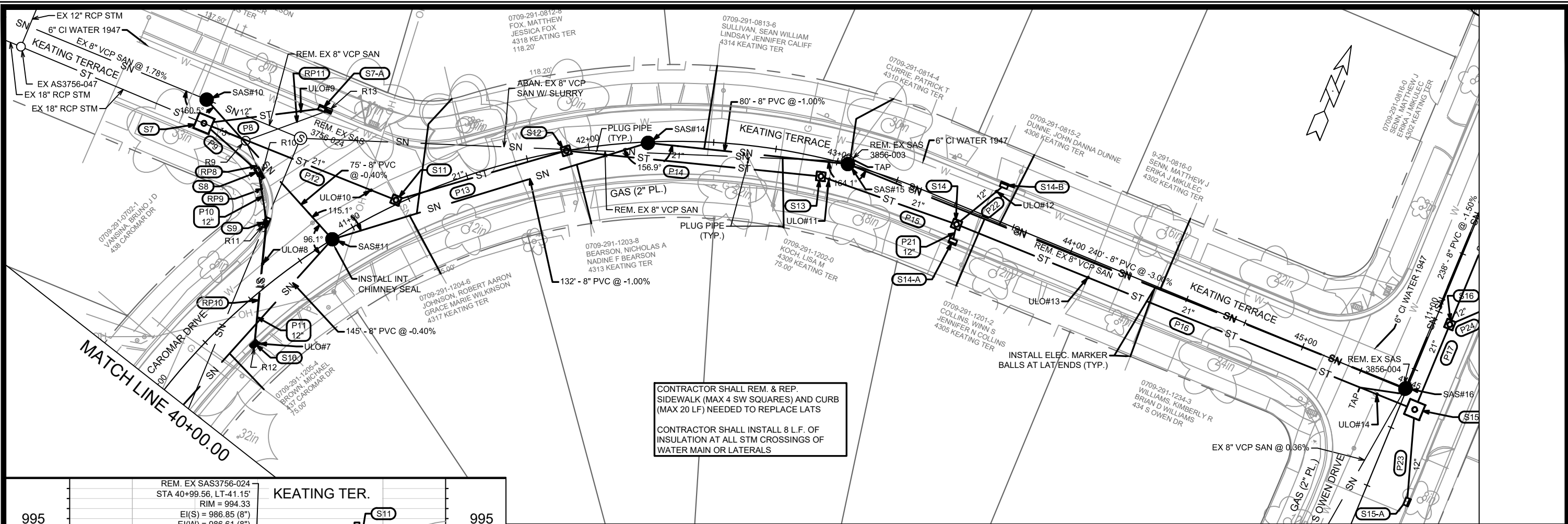
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13706
MADISON, WI
CONTRACT NO: 8622

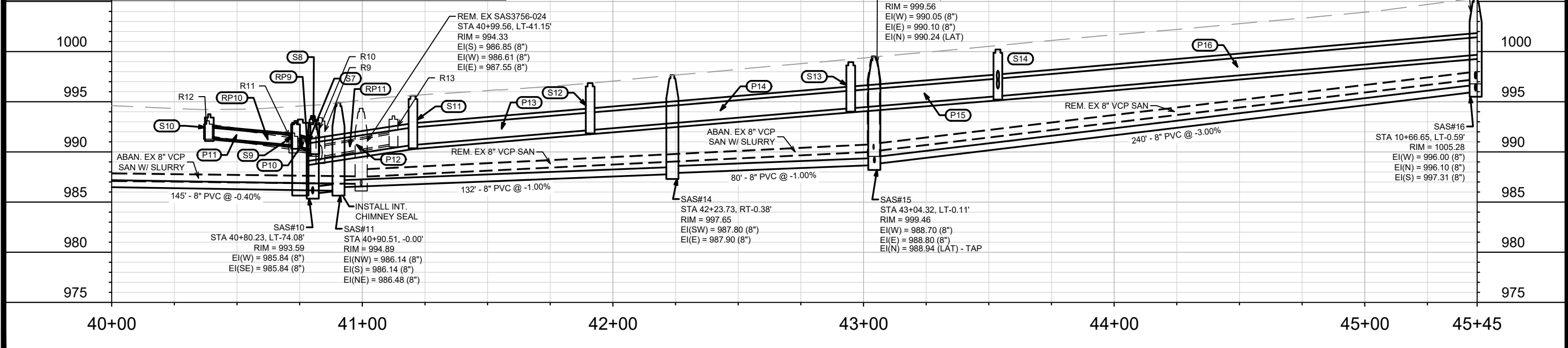
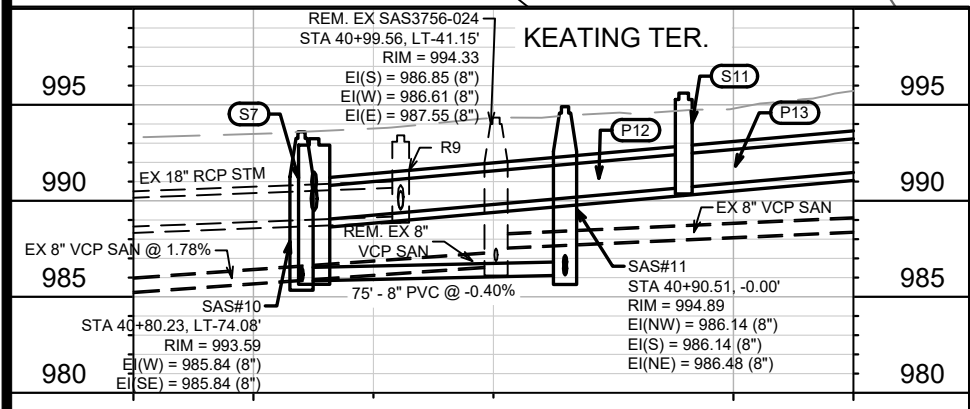
UTILITY PLAN & PROFILE - CAROMAR DRIVE
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022

13706
U-4



CONTRACTOR SHALL REM. & REP. SIDEWALK (MAX 4 SW SQUARES) AND CURB (MAX 20 LF) NEEDED TO REPLACE LATS

CONTRACTOR SHALL INSTALL 8 L.F. OF INSULATION AT ALL STM CROSSINGS OF WATER MAIN OR LATERALS



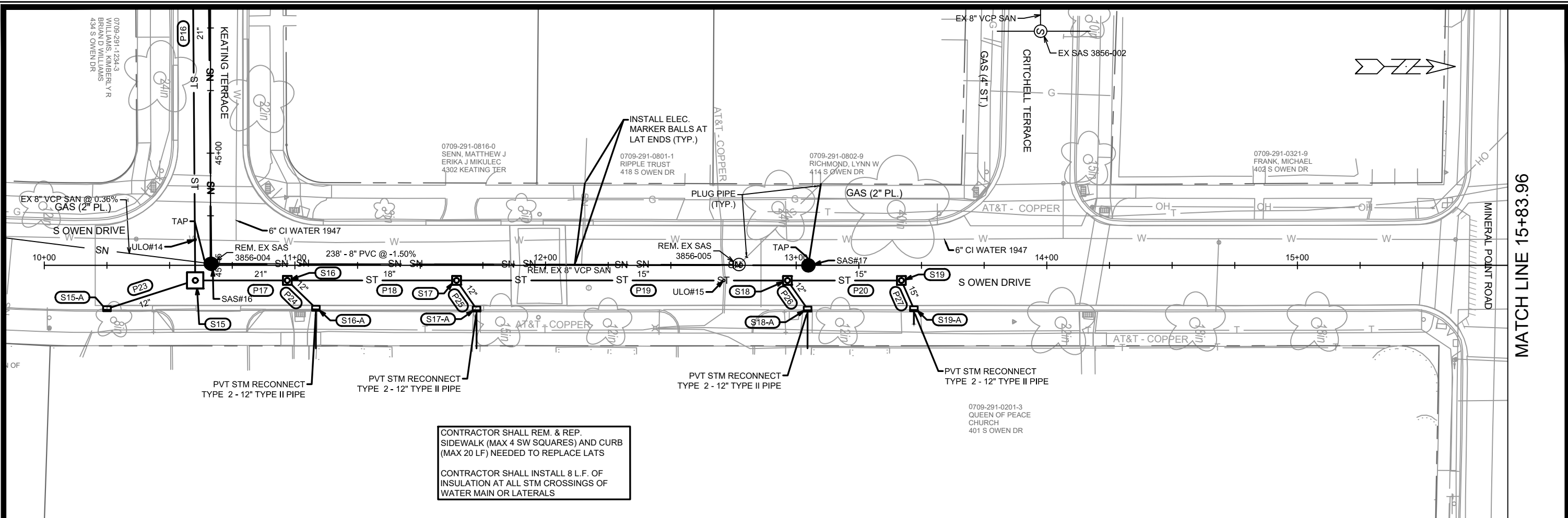
MARK	REVISION	DATE	BY
13706	U-5	3/11/2022	SMS

13706
MADISON, WI
CONTRACT NO: 8622

UTILITY PLAN & PROFILE - KEATING TERRACE
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022

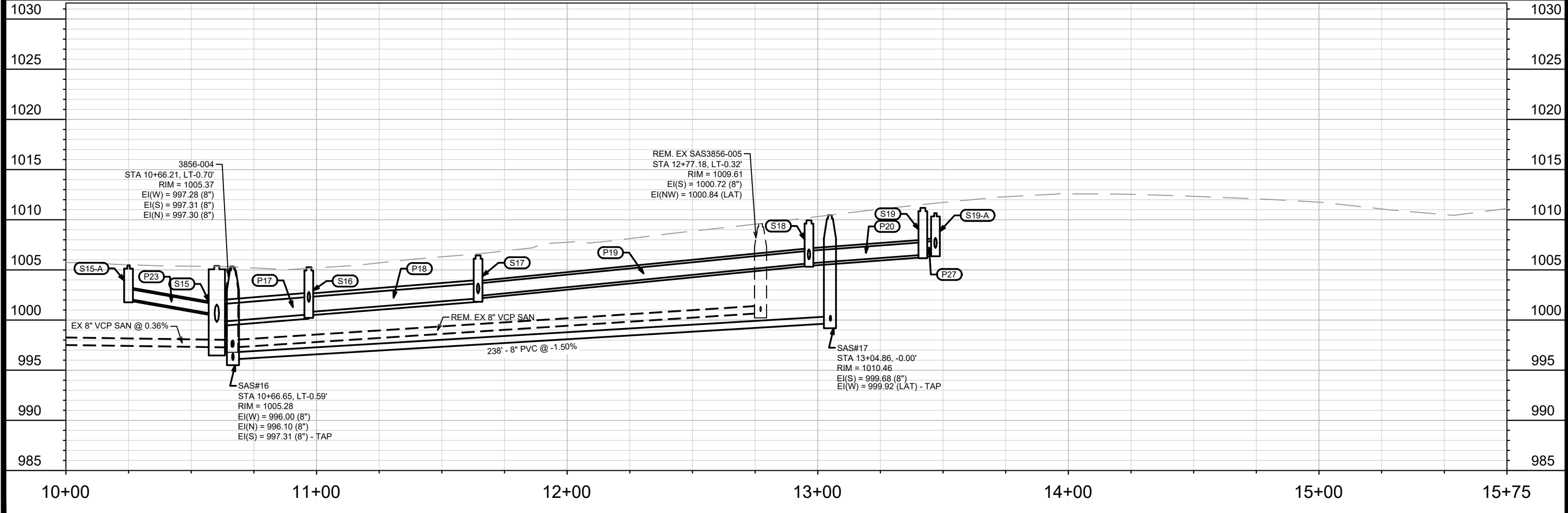


13706
U-5



CONTRACTOR SHALL REM. & REP. SIDEWALK (MAX 4 SW SQUARES) AND CURB (MAX 20 LF) NEEDED TO REPLACE LATS

CONTRACTOR SHALL INSTALL 8 L.F. OF INSULATION AT ALL STM CROSSINGS OF WATER MAIN OR LATERALS



MARK	REVISION	DATE	BY
13706	U-6	3/11/2022 1:21 PM	Scale: 1" = 40'

13706
MADISON, WI
CONTRACT NO: 8622

UTILITY PLAN & PROFILE - S. OWEN DRIVE
S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
M:\DESIGN\Projects\13706\CAD\Sewers\13706SWR-PipeNetwork.dwg



13706
U-6

SANITARY SEWER SCHEDULE

CAROMAR DR, S OWEN DR, KEATING TER RESURF. PROJECT NO. 13706	SHEET NO. U-7
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
CAROMAR DR						
SAS#1	23+70.78	RT-37.82	998.64	990.03	8.61	-
SAS#2	31+00.11	RT-41.52	990.86	983.26	7.60	[1]
SAS#3	31+00.26	RT-1.43	991.44	983.42	8.02	[1]
SAS#4	30+00.00	CL	991.66	983.82	7.84	[1]
SAS#5	29+25.00	CL	992.16	984.12	8.04	-
SAS#6	27+25.05	LT-7.41	995.72	984.93	10.79	[2]
SAS#7	25+46.65	CL	998.87	987.18	11.69	[2]
SAS#8	32+54.99	RT-1.55	992.82	984.14	8.68	[2]
SAS#9	35+08.56	RT-1.75	1000.02	989.30	10.72	-
SAS#11	40+90.51	CL	994.89	986.14	8.75	[1]
SAS#12	39+43.60	CL	995.18	986.72	8.46	[1]
SAS#13	36+03.19	RT-1.49	1000.77	988.84	11.93	-
KEATING TER						
SAS#10	40+80.23	LT-74.08	993.59	985.84	7.75	-
SAS#14	42+23.73	RT-0.38	997.65	987.80	9.85	-
SAS#15	43+04.32	LT-0.11	999.46	988.70	10.76	[2]
S OWEN DR						
SAS#16	10+66.65	LT-0.59	1005.28	996.00	9.28	-
SAS#17	13+04.86	CL	1010.46	999.68	10.78	[2]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
CAROMAR DR								
SAS#2	SAS#3	983.26	983.42	40	0.40%	8"	SDR-35	[3]
SAS#3	SAS#4	983.42	983.82	100	0.40%	8"	SDR-35	[3]
SAS#4	SAS#5	983.82	984.12	74	0.40%	8"	SDR-35	[3]
SAS#5	SAS#6	984.12	984.93	201	0.40%	8"	SDR-35	[3]
SAS#6	SAS#7	984.93	987.18	180	1.25%	8"	SDR-35	[3]
SAS#3	SAS#8	983.52	984.14	155	0.40%	8"	SDR-35	[3]
SAS#8	SAS#9	984.24	989.30	254	2.00%	8"	SDR-35	[3]
SAS#11	SAS#12	986.14	986.72	145	0.40%	8"	SDR-35	[3]
SAS#12	SAS#13	986.72	988.84	340	0.62%	8"	SDR-35	[3]
KEATING TER								
SAS#10	SAS#11	985.84	986.14	75	0.40%	8"	SDR-35	[3]
SAS#11	SAS#14	986.48	987.80	132	1.00%	8"	SDR-35	[3]
SAS#14	SAS#15	987.90	988.70	80	1.00%	8"	SDR-35	[3]
SAS#15	SAS#16	988.80	996.00	240	3.00%	8"	SDR-35	[3]
S OWEN DR								
SAS#16	SAS#17	996.10	999.68	238	1.50%	8"	SDR-35	[3]

SPECIFIC NOTES:

- [1] INSTALL INTERNAL CHIMNEY SEAL
- [2] LATERAL CONNECTION SHALL BE FIELD CORED AND COMPENSATED UNDER BID ITEM 50791 SANITARY SEWER TAP
- [3] UTILITY TRENCH PATCH TYPE IV OVER PIPE

SANITARY SEWER SCHEDULE

CAROMAR DR, S OWEN DR, KEATING TER RESURF. PROJECT NO. 13706	SHEET NO. U-8
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

SANITARY STRUCTURE REMOVALS & ABANDONMENTS

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
CAROMAR DR						
EX SAS3756-025	39+02.60	RT-21.57	995.94	987.44	8.50	ABANDON
EX SAS3757-006	36+12.51	RT-21.87	1001.18	992.26	8.92	-
EX SAS3757-007	35+08.52	RT-21.89	1000.46	991.98	8.48	-
EX SAS3757-008	32+67.65	RT-21.88	993.19	985.48	7.71	ABANDON
EX SAS3757-012	31+00.14	RT-22.56	991.17	983.36	7.81	-
EX SAS3757-013	29+56.76	RT-1.02	991.98	984.04	7.94	-
EX SAS3758-008	27+27.20	LT-1.80	995.85	984.95	10.90	-
EX SAS3758-009	25+46.62	LT-0.31	998.89	988.67	10.22	-
EX SAS3758-011	23+65.13	LT-0.07	999.80	991.04	8.76	-
EX SAS3758-014	20+55.00	LT-0.06	1001.33	992.66	8.67	-
KEATING TER						
EX SAS3756-024	40+99.56	LT-41.15	994.33	986.61	7.72	-
EX SAS3856-003	43+03.97	LT-1.16	999.41	990.05	9.36	-
S OWEN DR						
EX SAS3856-004	10+66.21	LT-0.70	1005.28	997.28	8.00	-
EX SAS3856-005	12+77.18	LT-0.32	1009.61	1000.72	8.89	-

SANITARY PIPE REMOVALS & ABANDONMENTS

REMOVE FROM	REMOVE TO	PLAN LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	PAY LGTH	NOTES
CAROMAR DR							
SAS#1	EX SAS3758-011		41 8"	VCP	N	-	ABANDON W/ SLURRY
SAS#2	EX SAS3757-012		22 8"	VCP	N	-	-
EX SAS3757-012	PLUG		100 8"	VCP	Y	100	ABANDON W/ SLURRY
PLUG	EX SAS3757-013		46 8"	VCP	Y	39	-
EX SAS3757-013	EX SAS3758-008		228 8"	VCP	Y	130	-
EX SAS3758-008	EX SAS3758-009		180 8"	VCP	Y	138	-
EX SAS3757-012	EX SAS3757-008		168 8"	VCP	Y	168	ABANDON W/ SLURRY
EX SAS3757-008	EX SAS3757-007		241 8"	VCP	Y	241	ABANDON W/ PLUGS
EX SAS3756-024	EX SAS3756-025		210 8"	VCP	Y	210	ABANDON W/ SLURRY
EX SAS3756-025	EX SAS3757-006		290 8"	VCP	Y	290	ABANDON W/ PLUGS
KEATING TER							
SAS#10	EX SAS3756-024		43 8"	VCP	Y	-	-
EX SAS3756-024	PLUG		118 8"	VCP	Y	118	ABANDON W/ SLURRY
PLUG	EX SAS3856-003		100 8"	VCP	Y	39	-
EX SAS3856-003	EX SAS3856-004		240 8"	VCP	N	-	-
S OWEN DR							
EX SAS3856-004	EX SAS3856-005		211 8"	VCP	N	-	-

SPECIFIC NOTES:

CAROMAR DR, S OWEN DR, KEATING TER RESURF.	SHEET NO.
PROJECT NO. 13706	U-10
STORM SEWER SCHEDULE	
CITY OF MADISON	

STORM SEWER SCHEDULE

REMOVE STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
CAROMAR DR				
R1	30+80.19	RT-13.36	7X5 RECT AS	AS3757-009
R2	30+66.00	RT-15.81	H INLET	IN3757-010
R3	31+33.24	RT-15.77	H INLET	IN3757-011
R4	31+00.10	LT-13.31	H INLET	IN3757-012
R5	30+94.56	LT-13.45	H INLET	IN3757-013
R6	31+11.95	LT-18.46	6X4 RECT AS	AS3757-018
R7	32+21.85	LT-19.98	4X4 AS	AS3757-019
R8	34+89.62	LT-19.80	4X4 AS	AS3757-020
R11	40+73.17	LT-18.96	H INLET	IN3756-052
R12	40+38.20	RT-13.19	H INLET	IN3756-059
KEATING TER				
R9	40+83.29	LT-51.77	3X3 AS	AS3756-049
R10	40+82.09	LT-36.73	H INLET	IN3756-051
R13	41+12.79	LT-45.91	H INLET	IN3756-050

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	PAY LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
CAROMAR DR								
RP1	S1	R1	26.2	N	0.0	18"	VCP	-
RP2	R1	S6	57.0	Y	36.3	24"	RCP	-
RP3	R1	R2	14.4	Y	14.4	12"	RCP	-
RP4	R1	R3	53.1	Y	53.1	12"	VCP	-
RP5	R1	R4	33.3	Y	14.0	12"	VCP	-
RP6	R1	R5	30.4	Y	26.9	12"	VCP	-
RP7	R1	R6	45.0	Y	31.5	12"	VCP	-
RP9	R10	R11	20.3	N	0.0	12"	RCP	-
RP10	R11	R12	47.7	N	0.0	12"	RCP	-
KEATING TER								
RP8	R9	R10	15.1	N	0.0	15"	RCP	-
RP11	R9	R13	35.5	N	0.0	12"	RCP	-

UTILITY LINE OPENINGS (ULOs)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
CAROMAR DR					
ULO#1	30+45.66	RT-9.9	WATER	985.28	-
ULO#2	30+54.77	RT-19.0	GAS	986.04	-
ULO#3	30+82.29	RT-36.1	GAS	985.42	-
ULO#4	30+88.95	RT-9.8	WATER	985.29	-
ULO#5	30+90.25	RT-33.0	WATER	985.05	-
ULO#6	31+33.88	RT-18.7	GAS	985.91	-
ULO#7	40+40.46	RT-15.4	GAS	991.13	-
ULO#8	40+62.49	LT-7.9	WATER	988.19	-
KEATING TER					
ULO#9	41+04.12	LT-50.5	WATER	986.99	-
ULO#10	41+13.17	LT-9.5	WATER	988.47	-
ULO#11	42+98.51	RT-7.7	GAS	994.42	-
ULO#12	43+63.38	LT-10.6	WATER	995.28	-
ULO#13	44+10.25	RT-7.2	GAS	998.28	-
ULO#14	45+34.62	RT-6.2	WATER	999.46	-
S OWEN DR					
ULO#15	12+71.11	RT-6.0	TEL	1005.98	-

ABANDON STORM PIPES

PIPE NO.	FROM (DNSTR)	TO (UPSTR)	LENGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
CAROMAR DR							
AP1	R6	R7	109.9	12"	VCP	Y	-
AP2	R7	R8	267.8	10"	VCP	Y	-

SPECIFIC NOTES:

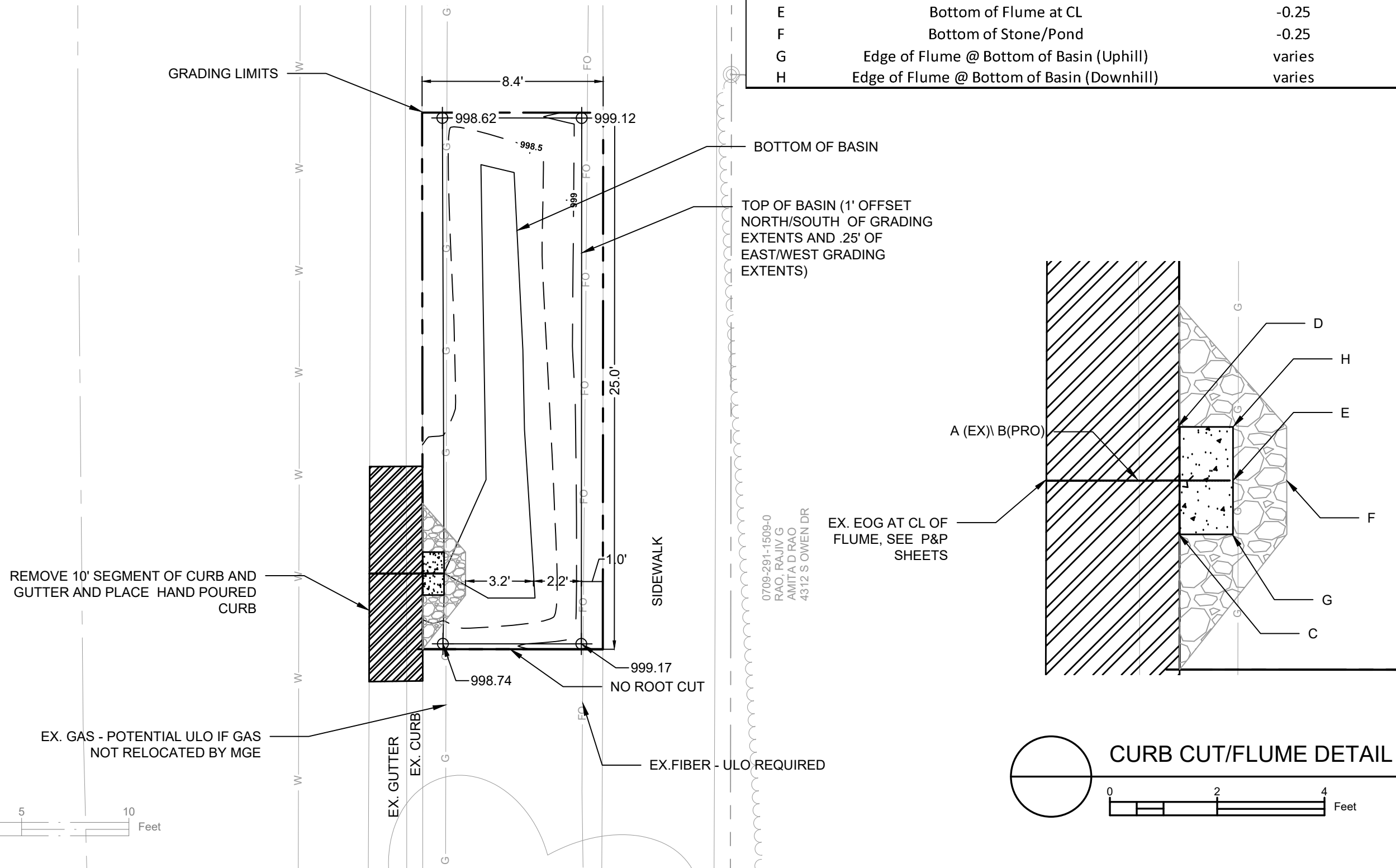
STANDARD NOTES:

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

- ALL FIELD POURED SAS STORM STRUCTURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW STANDARD DETAIL DRAWING FOR 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 MATT ALLIE OF CITY ENGINEERING AT (608) 266-4058 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608) 264-9275, OR EMAIL SHOP DRAWINGS TO MALLIE@CITYOFMADISON.COM.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.

DETAIL POINT ELEVATIONS/DESCRIPTIONS

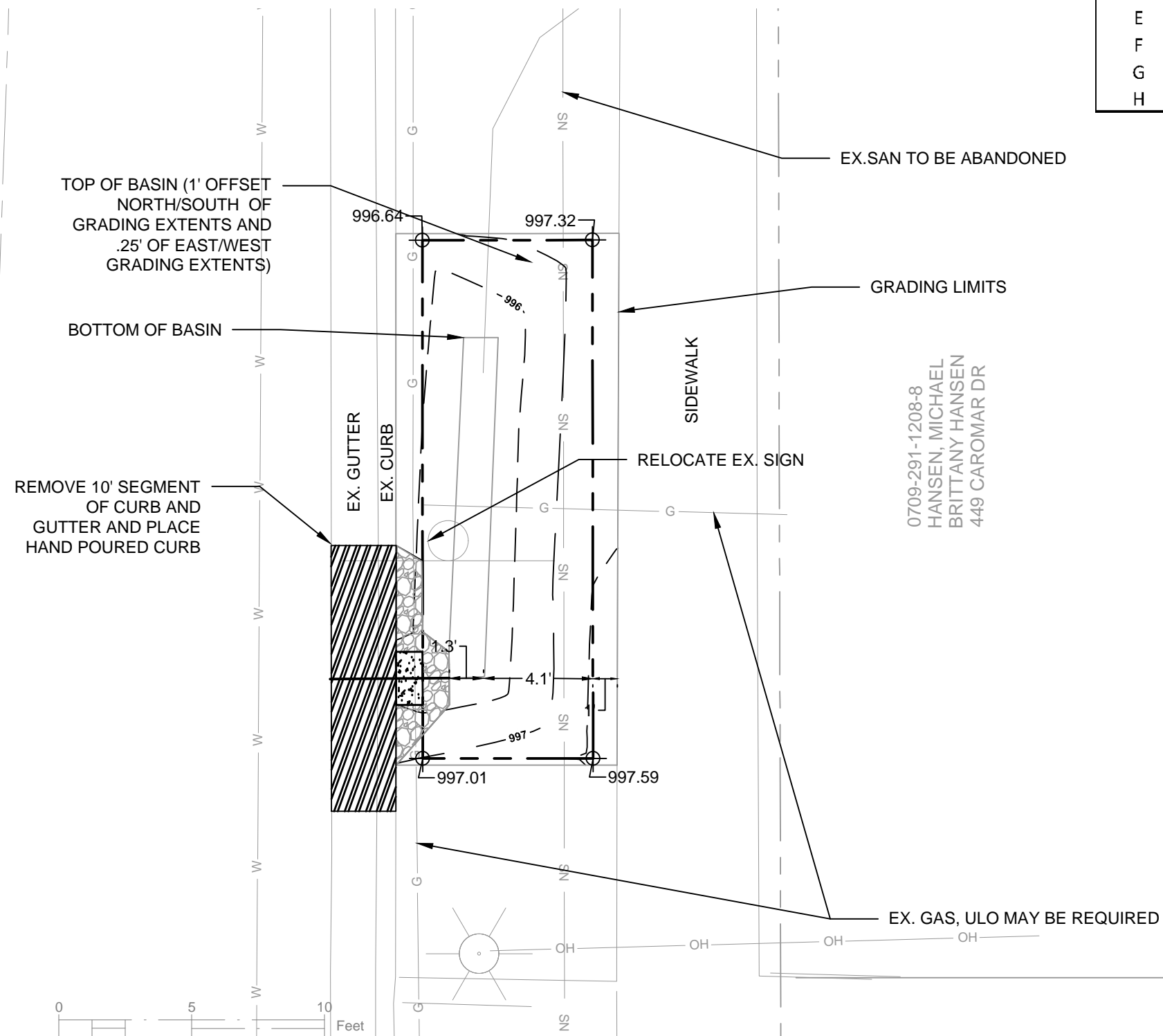
Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	998.41
A	Ex. Flow Line at CL of Flume	0	998.29
B	Pro. Gutter Flow Line at CL of Flume	-0.17	998.12
C	Edge of Flume @ Gutter (Uphill)	varies	998.30
D	Edge of Flume @ Gutter (Downhill)	varies	998.23
E	Bottom of Flume at CL	-0.25	998.04
F	Bottom of Stone/Pond	-0.25	998.04
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	998.21
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	998.14



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RAO, RAJIV G
AMITA D RAO
4312 S OWEN DR

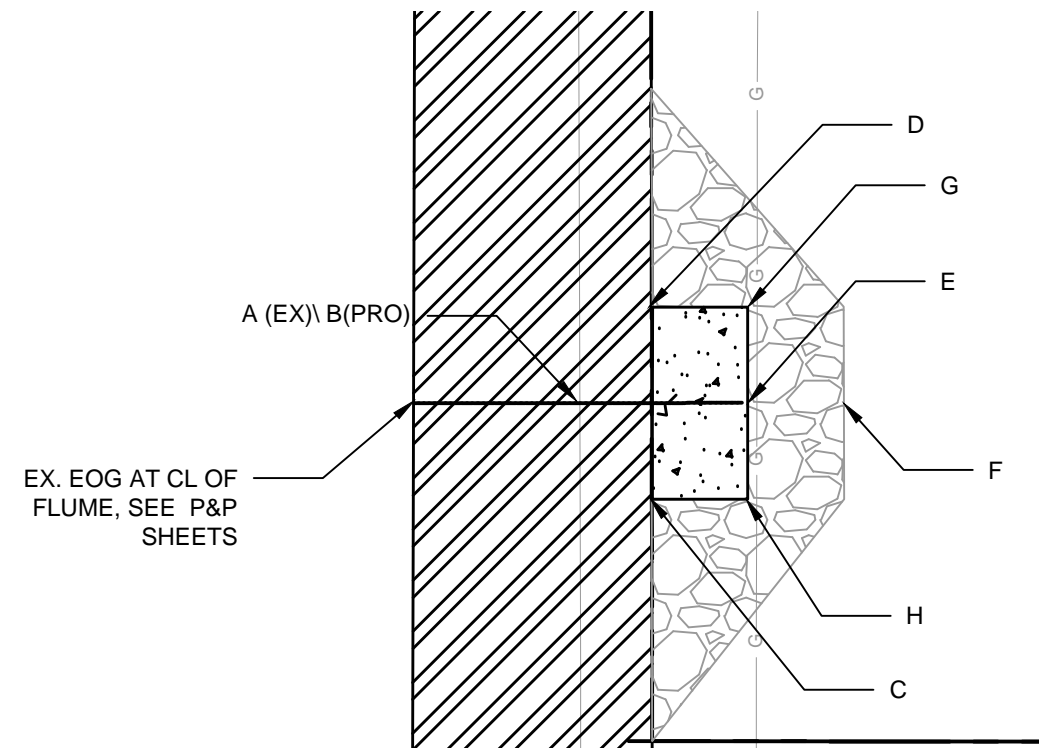
13706	MADISON, WI	13706	8622	GI-1
RANGARDEN TERRACE 4312 S OWEN S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022 M:\DESIGN\Projects\13706\CAD\GreenInfrastructure\13706_GI_Grading.dwg				
CONTRACT NO:				
13706 GI-1				

REVISED 3/21/2022 SCL
REPLACED PLAN WITH CORRECT ADDRESS AND RAINGARDEN



DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	996.57
A	Ex. Flow Line at CL of Flume	0	996.45
B	Pro. Gutter Flow Line at CL of Flume	-0.17	996.28
C	Edge of Flume @ Gutter (Uphill)	varies	996.49
D	Edge of Flume @ Gutter (Downhill)	varies	996.41
E	Bottom of Flume at CL	-0.25	996.20
F	Bottom of Stone/Pond	-0.25	996.20
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	996.41
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	996.32



CURB CUT/FLUME DETAIL

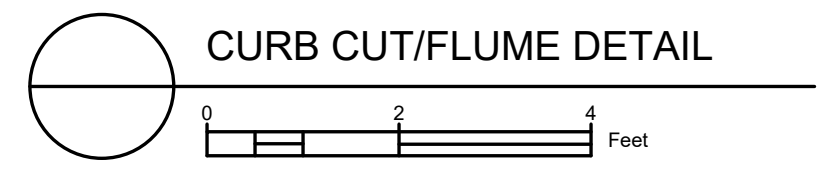
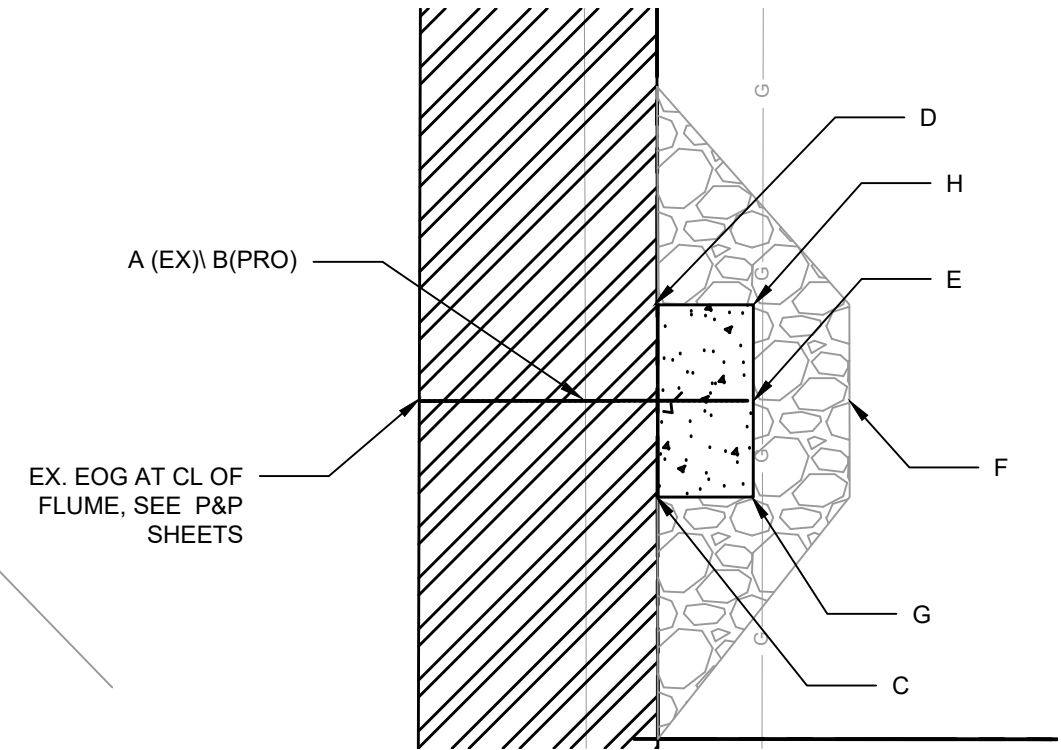
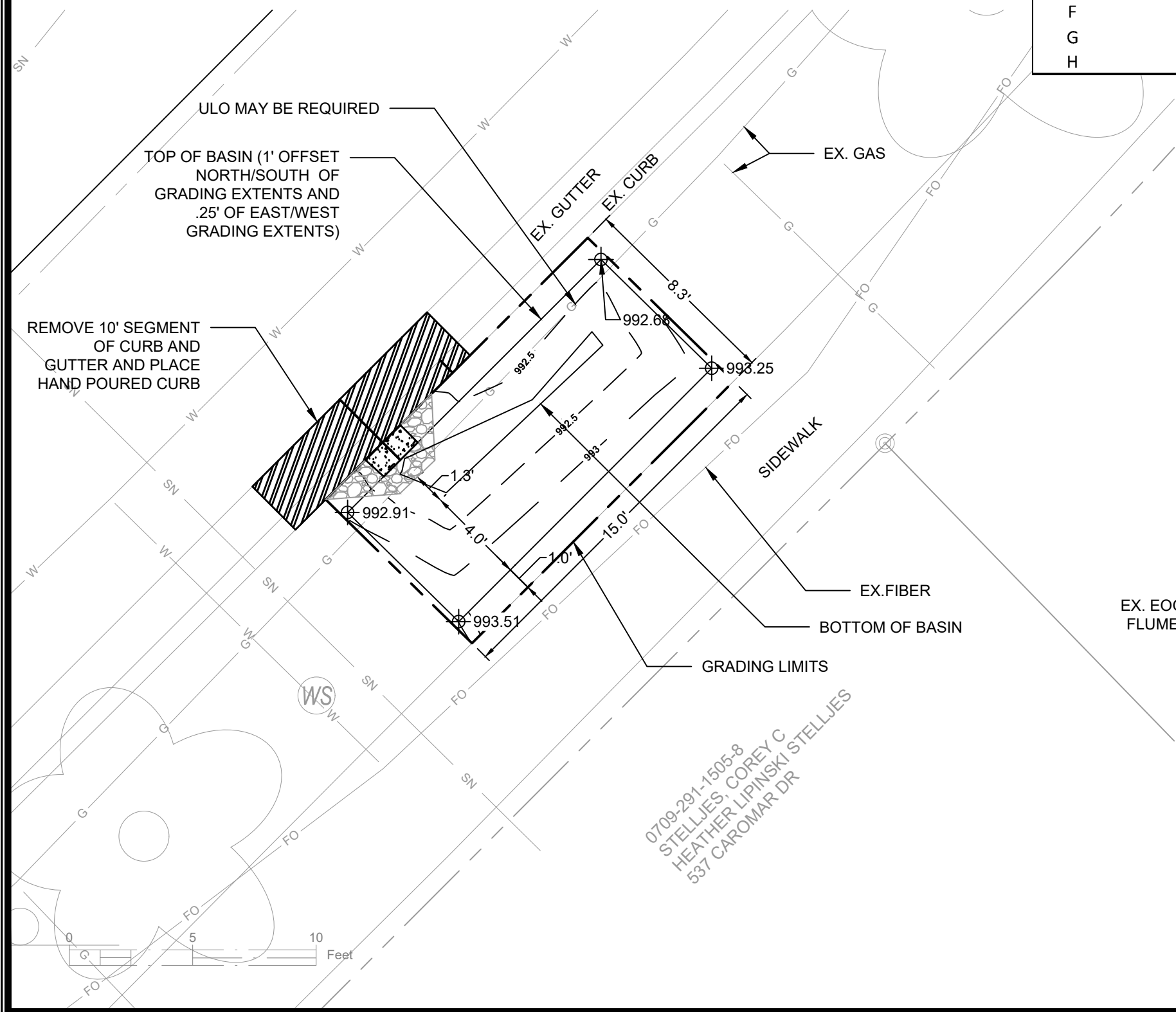


PROJECT NO.	13706
DATE	3/21/22
BY	SCL
REVISION	ADDENDA 1
DATE	3/21/2022 8:50 AM
SCALE	1" = 4'
CONTRACT NO.	8622
PROJECT ADDRESS	13706 MADISON, WI
CITY	MADISON, WI
PROJECT NAME	RAINGARDEN TERRACE 449 CAROMAR DR
CLIENT	S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022
DRAWN BY	MADESIGNPROJECTS/13706/CAD/Grading.dwg
CHECKED BY	
SCALE	
DATE	
PROJECT NO.	13706
SHEET NO.	GI-2



DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	992.46
A	Ex. Flow Line at CL of Flume	0	992.34
B	Pro. Gutter Flow Line at CL of Flume	-0.17	992.17
C	Edge of Flume @ Gutter (Uphill)	varies	992.36
D	Edge of Flume @ Gutter (Downhill)	varies	992.29
E	Bottom of Flume at CL	-0.25	992.09
F	Bottom of Stone/Pond	-0.25	992.09
G	Edge of Flume @ Outfall (Uphill)	varies	992.28
H	Edge of Flume @ Outfall (Downhill)	varies	992.20

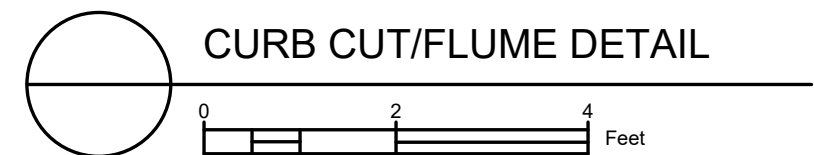
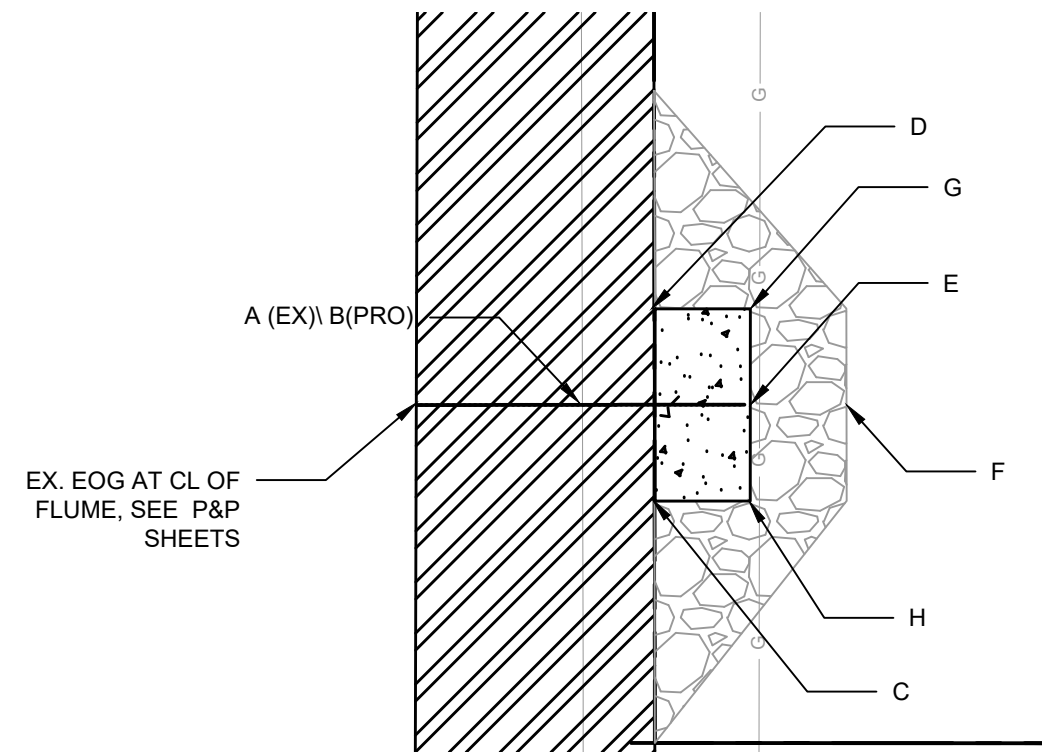
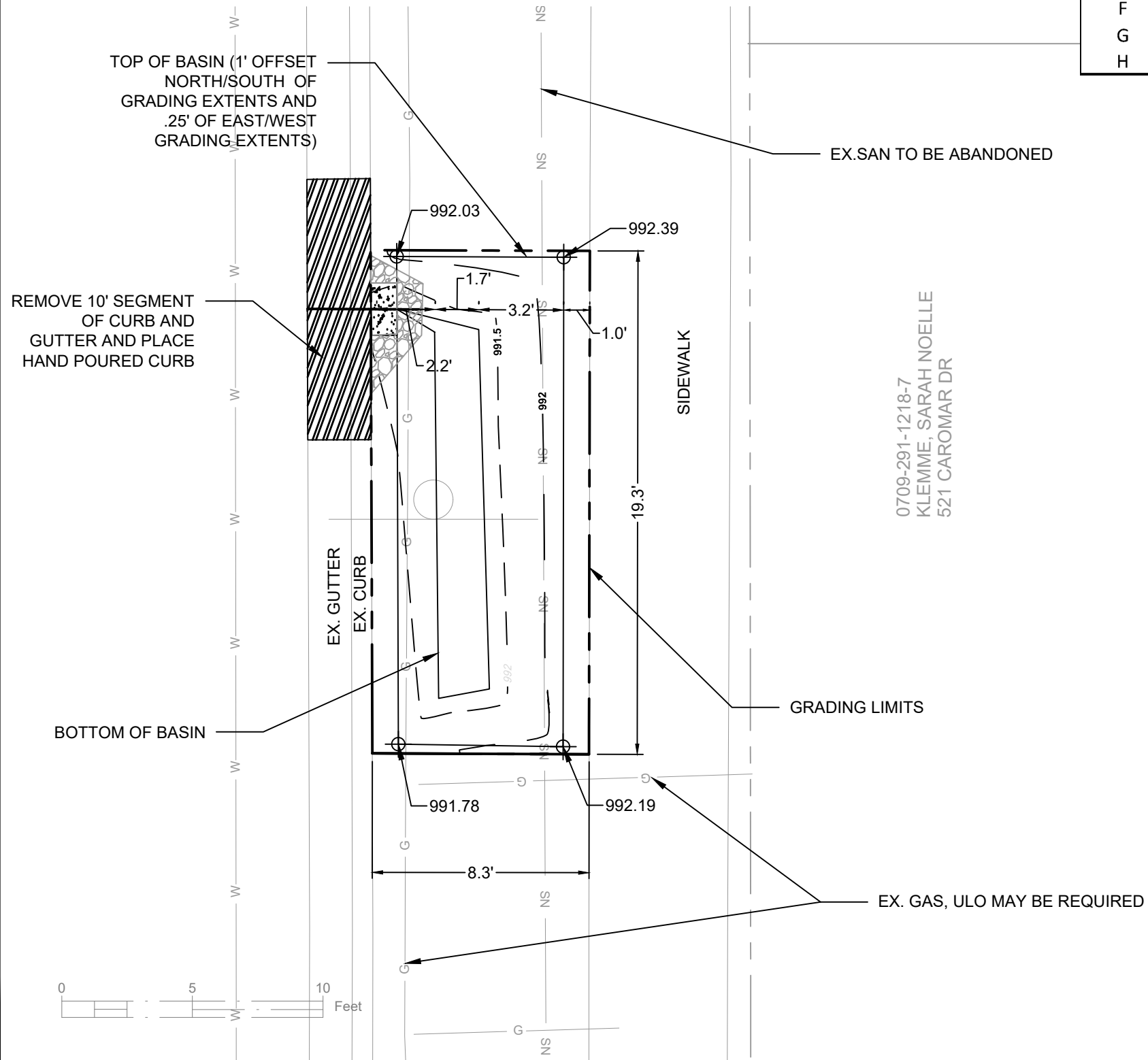


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 STELLJES, COREY C
 HEATHER LIPINSKI STELLJES
 537 CAROMAR DR

	13706 GI-3	13706 MADISON, WI	8622 CONTRACT NO:
RAINGARDEN TERRACE 537 CAROMAR S. OWEN DRIVE, KEATING TERRACE AND CAROMAR DRIVE RES - 2022 M:\DESIGN\Projects\13706\CAD\GreenInfrastructure\13706_GI_Grading.dwg			

DETAIL POINT ELEVATIONS/DESCRIPTIONS

Point	Point Description	Distance from Existing FlowLine (ft)	Elevation
	Ex. EOG at CL of Flume	+0.125	991.66
A	Ex. Flow Line at CL of Flume	0	991.54
B	Pro. Gutter Flow Line at CL of Flume	-0.17	991.37
C	Edge of Flume @ Gutter (Uphill)	varies	991.57
D	Edge of Flume @ Gutter (Downhill)	varies	991.49
E	Bottom of Flume at CL	-0.25	991.29
F	Bottom of Stone/Pond	-0.25	991.29
G	Edge of Flume @ Bottom of Basin (Uphill)	varies	991.48
H	Edge of Flume @ Bottom of Basin (Downhill)	varies	991.40





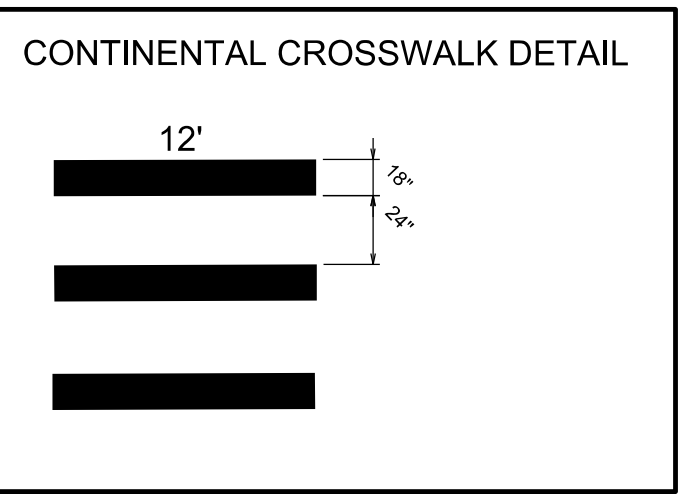
Install 6" crosswalk with stop bar

Install continental crosswalk with stop bar

KEATING TER

S OWEN DR

KEATING TER



MATCH 1

PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



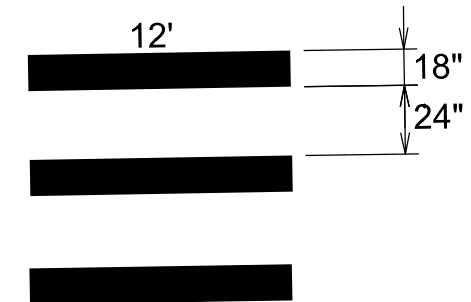
Install continental
crosswalk

MATCH 2

MATCH 1

CAROMAR DR

CONTINENTAL CROSSWALK DETAIL



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



MATCH 3

Install continental
crosswalk

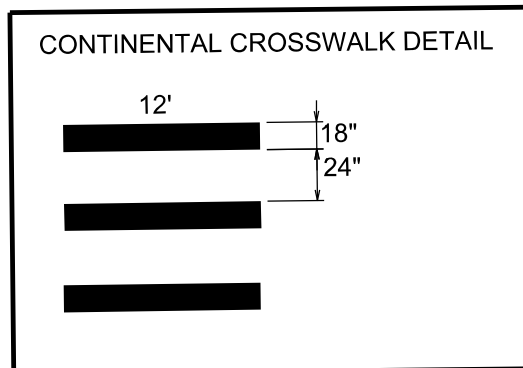
CAROMAR DR

MATCH 2

Install 6" crosswalk
and stop bar

CLIFDEN DR

6'



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

Install 6" crosswalks and stop bar

Install 6" crosswalks



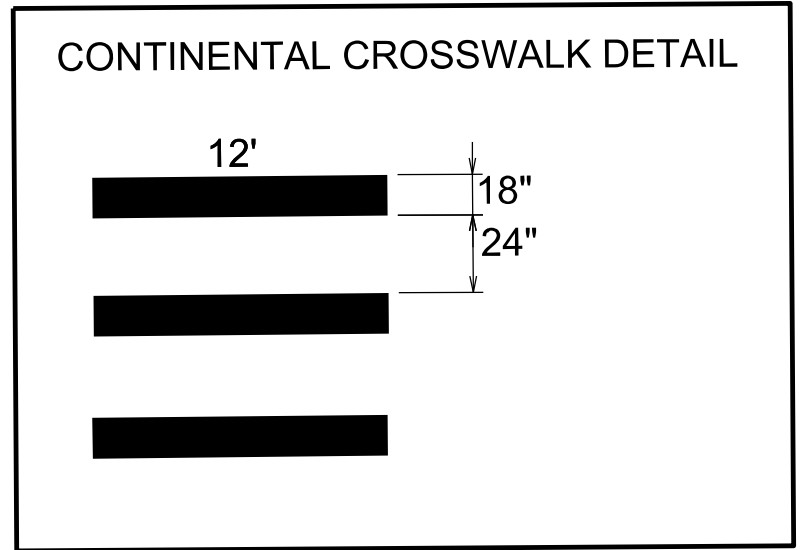
TOKAY BLVD

CAROMAR DR

S OWEN DR

MATCH 3

Install 6" crosswalk and stop bar



PLOT SCALE:
PLOT NAME:
REV. DATE:
ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.