



Madison, Wisconsin

INDEX OF SHEETS

SHEET NO.	EC1-EC4	EROSION CONTROL
SHEET NO.	U1-U10	UTILITY PLAN & PROFILES
SHEET NO.	U11-U12	STORM SEWER SCHEDULE

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

2024 RESURFACING

CITY PROJECT NO. 14896
 CONTRACT NO. 8736

PROJECT
 LOCATION



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	□

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

PUBLIC IMPROVEMENT PROJECT APPROVED

APPROVED DATE

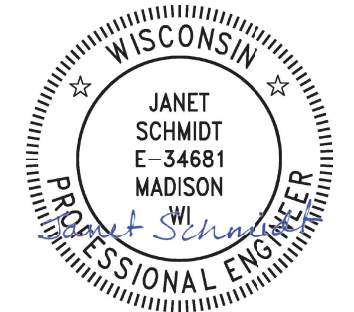
BY THE COMMON COUNCIL OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN APPROVED BY:

Janet Feb 21, 2024

City Engineer Date

STORM SEWER DESIGNED BY:



Feb 21, 2024

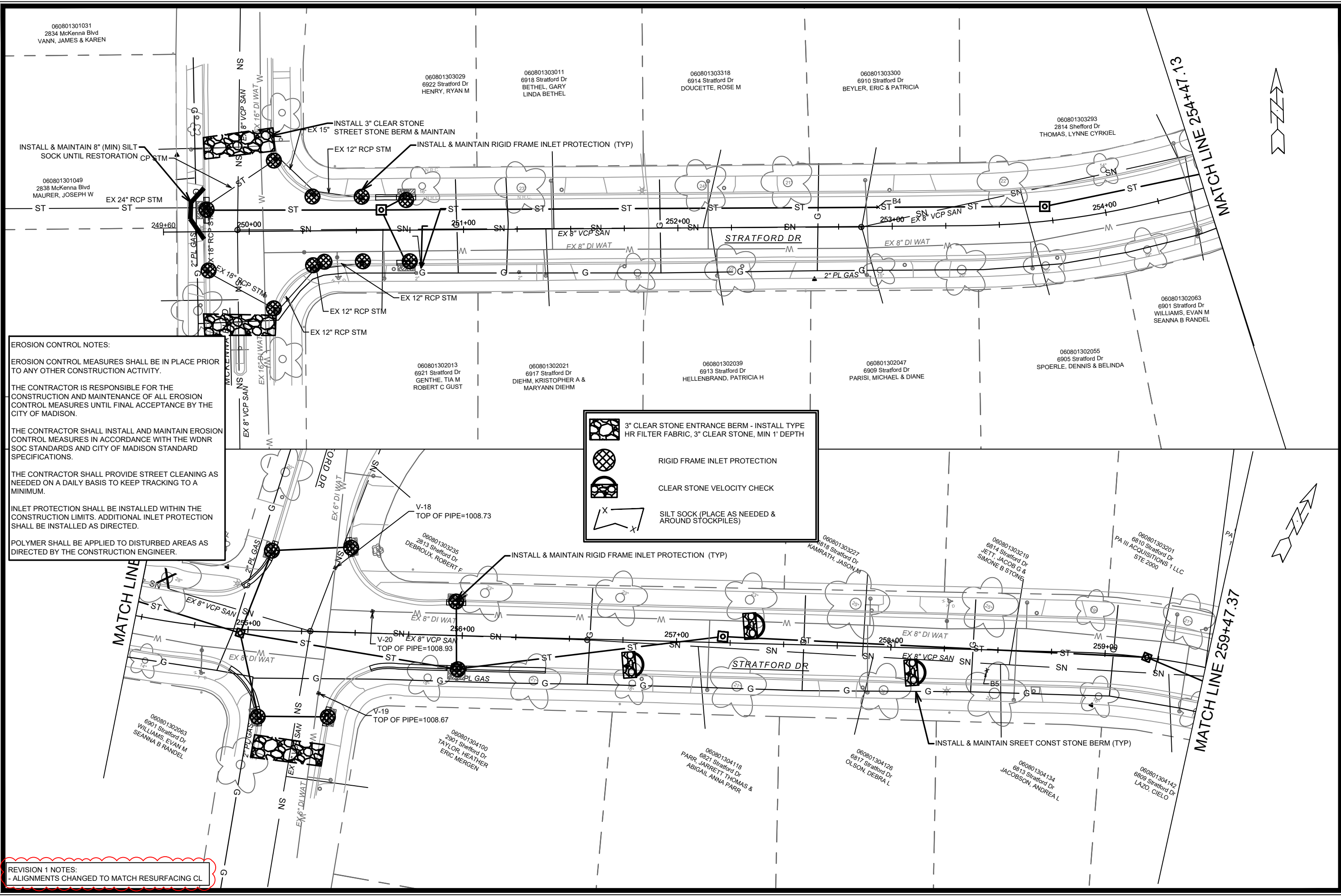
Revision 1 - 5/15/2024
 Revised: Title, EC1-EC3, U1-U6,U11-U12
Revision 2 - 7/18/2024
 Revised: Title, EC4, U1, U5-U12

PLOT SCALE: 1" = 1'

PLOT NAME: ---

REV. DATE: 2/17/2024 4:35 PM

ORIGINATOR: CITY_OF_MADISON



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 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.

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.

	3" CLEAR STONE ENTRANCE BERM - INSTALL TYPE HR FILTER FABRIC, 3" CLEAR STONE, MIN 1' DEPTH
	RIGID FRAME INLET PROTECTION
	CLEAR STONE VELOCITY CHECK
	SILT SOCK (PLACE AS NEEDED & AROUND STOCKPILES)

REVISION 1 NOTES:
 - ALIGNMENTS CHANGED TO MATCH RESURFACING CL

14896	14896	14896	14896	14896	14896
MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
8736	8736	8736	8736	8736	8736
EROSION CONTROL - STRATFORD DR	EROSION CONTROL - STRATFORD DR	EROSION CONTROL - STRATFORD DR	EROSION CONTROL - STRATFORD DR	EROSION CONTROL - STRATFORD DR	EROSION CONTROL - STRATFORD DR
2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING
14896	14896	14896	14896	14896	14896
EC-1	EC-1	EC-1	EC-1	EC-1	EC-1

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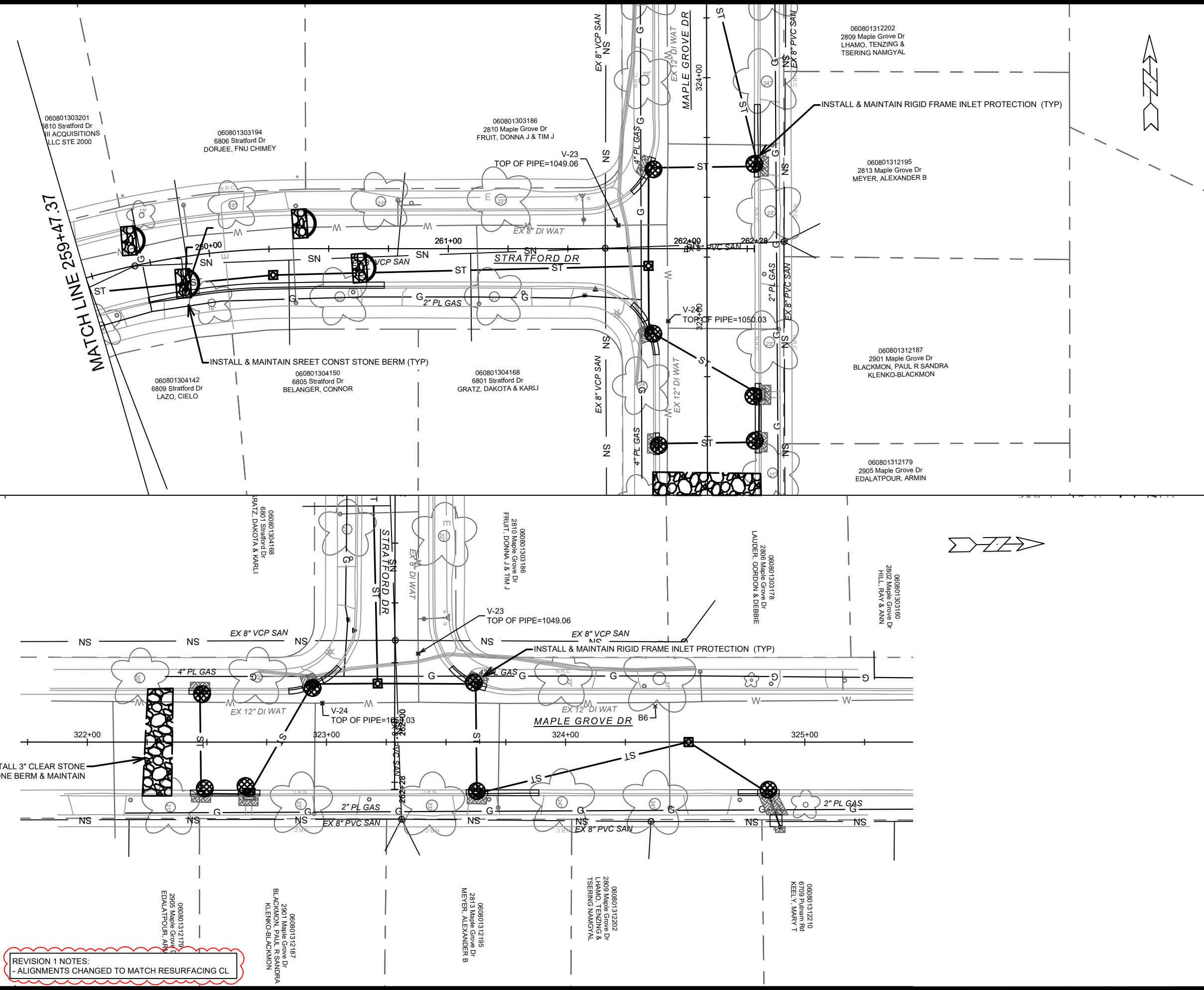
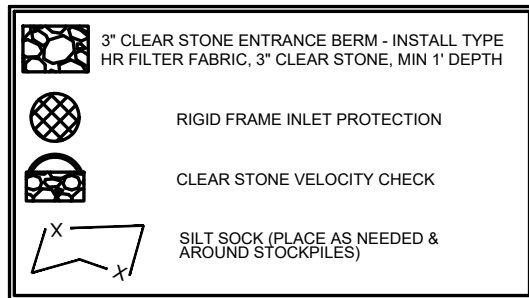
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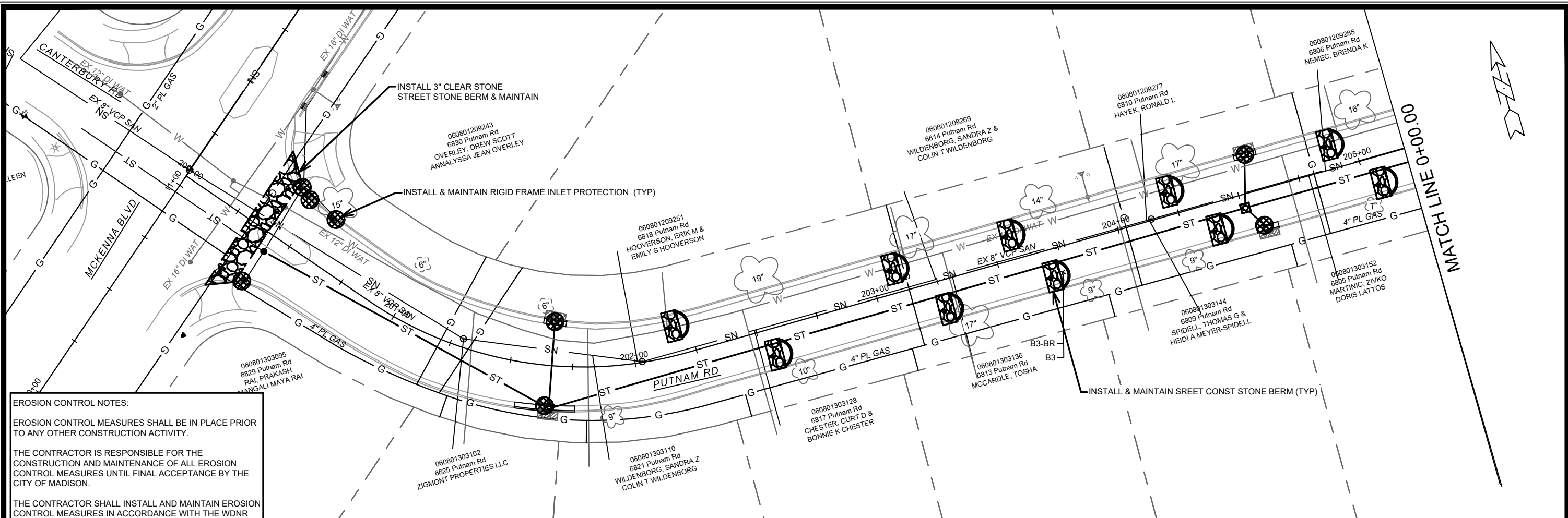
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14896	14896	14896	14896	14896
MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING
EROSION CONTROL - STRATFORD DR & MAPLE GROVE DR	EROSION CONTROL - STRATFORD DR & MAPLE GROVE DR	EROSION CONTROL - STRATFORD DR & MAPLE GROVE DR	EROSION CONTROL - STRATFORD DR & MAPLE GROVE DR	EROSION CONTROL - STRATFORD DR & MAPLE GROVE DR
14896	14896	14896	14896	14896
EC-2	EC-2	EC-2	EC-2	EC-2

CONTRACT NO: 8736
 M:\DESIGN\Projects\14896\CAD\Sewers\14896SWR-PipeNetwork.dwg
 060801312202
 2809 Maple Grove Dr
 LHAMO, TENZING &
 TSERING NAMGYAL
 060801312195
 2813 Maple Grove Dr
 MEYER, ALEXANDER B
 060801312187
 2901 Maple Grove Dr
 BLACKMON, PAUL R SANDRA
 KLENKO-BLACKMON
 060801312179
 2905 Maple Grove Dr
 EDALATPOUR, ARMIN
 060801303169
 2802 Maple Grove Dr
 HILL, RAY & ANN
 060801303178
 2808 Maple Grove Dr
 LAUDER, GORDON & DEBBIE
 060801303186
 2810 Maple Grove Dr
 FRUIT, DONNA J & TIM J
 060801304168
 6801 Stratford Dr
 GRATZ, DAKOTA & KARLI
 060801304150
 6805 Stratford Dr
 BELANGER, CONNOR
 060801304142
 6809 Stratford Dr
 LAZO, CIELO
 060801303194
 6806 Stratford Dr
 DORJEE, FNU CHIMEY
 060801303201
 6810 Stratford Dr
 III ACQUISITIONS
 LLC STE 2000



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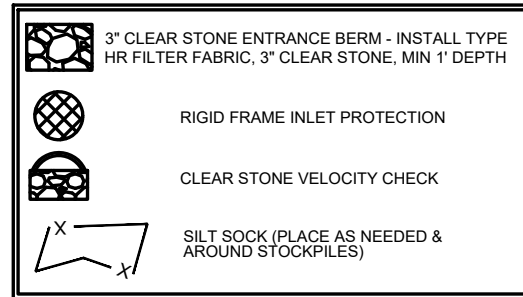
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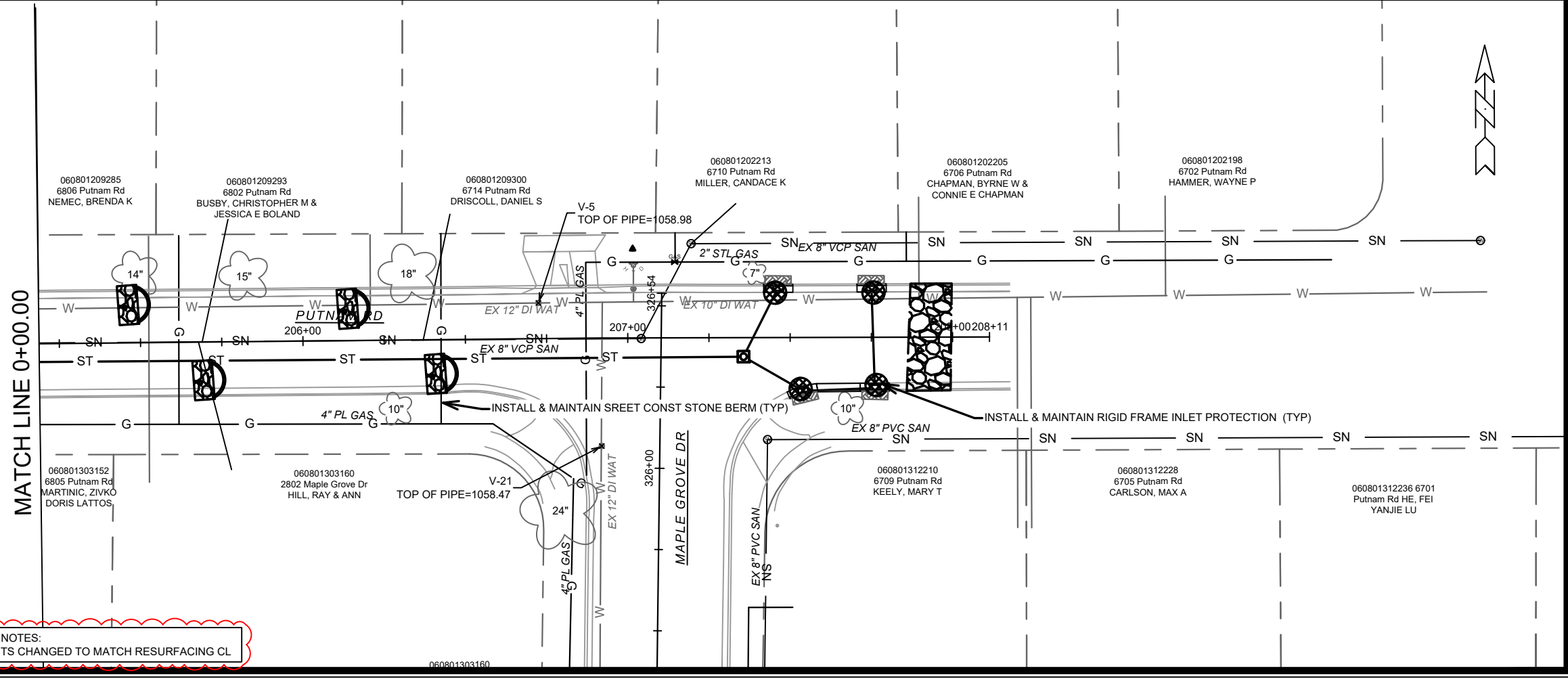
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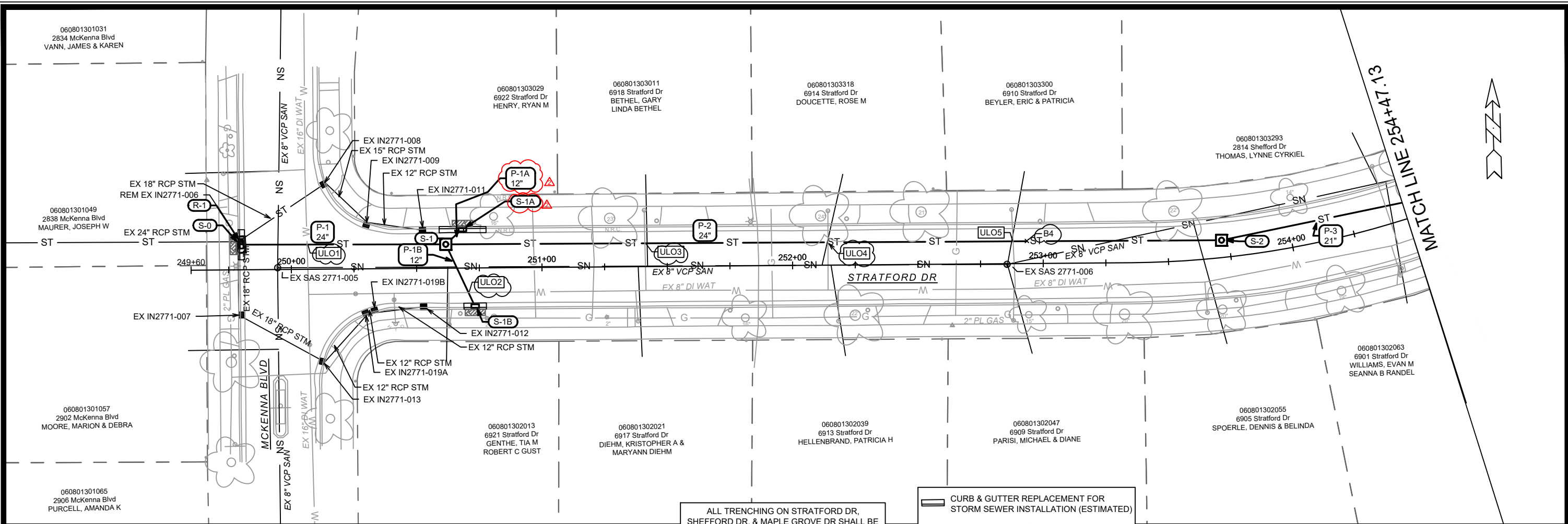


REVISION 1 NOTES:
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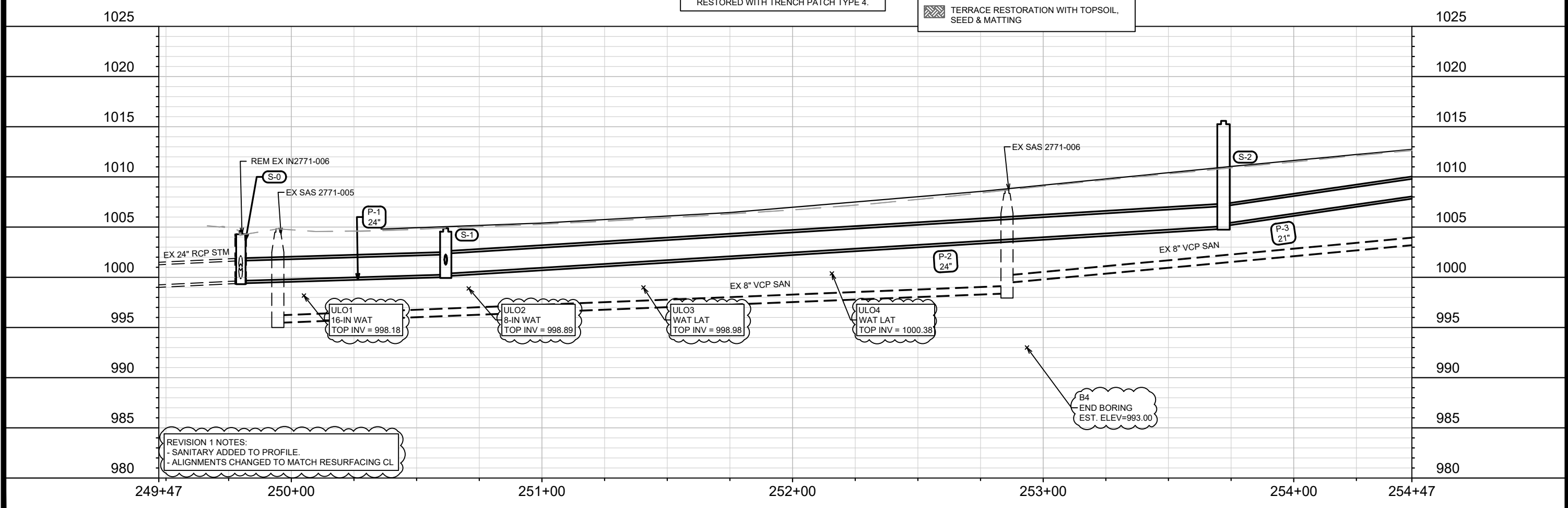
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MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI	MADISON, WI
8736	8736	8736	8736	8736	8736
EROSION CONTROL - PUTNAM RD	EROSION CONTROL - PUTNAM RD	EROSION CONTROL - PUTNAM RD	EROSION CONTROL - PUTNAM RD	EROSION CONTROL - PUTNAM RD	EROSION CONTROL - PUTNAM RD
2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING	2024 RESURFACING
14896	14896	14896	14896	14896	14896
EC-3	EC-3	EC-3	EC-3	EC-3	EC-3

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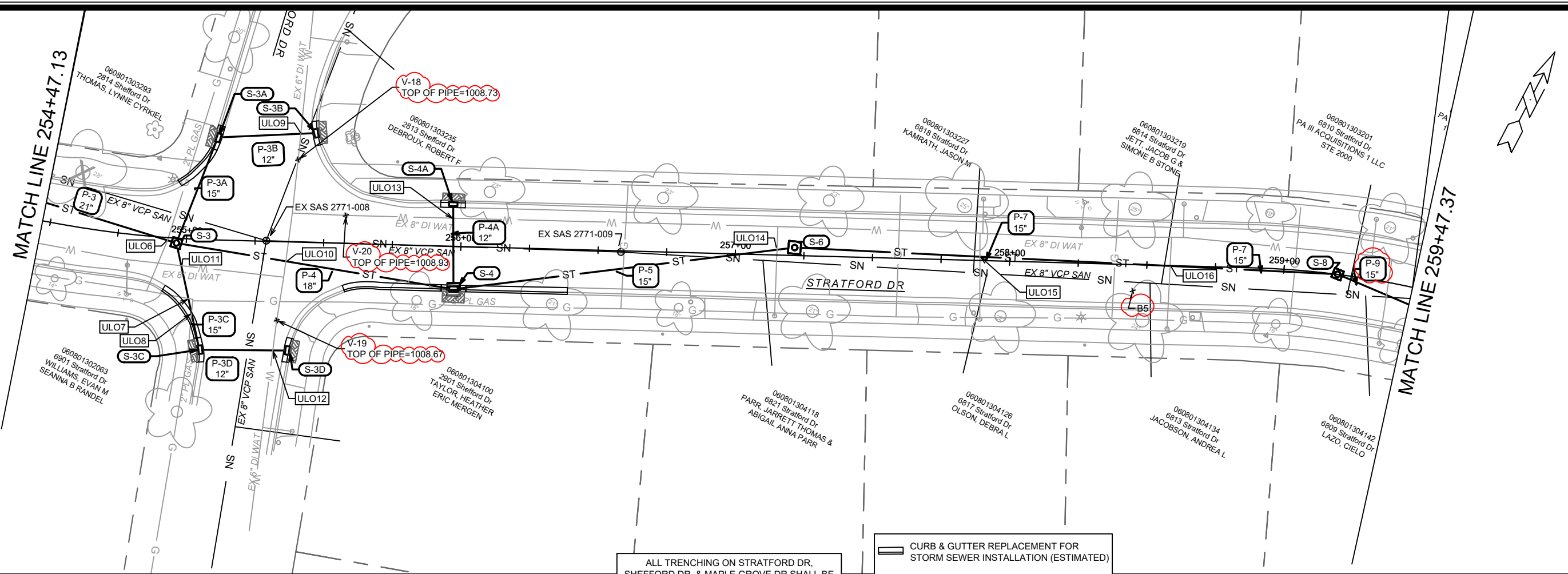
ALL TRENCHING ON STRATFORD DR, SHEFFORD DR, & MAPLE GROVE DR SHALL BE RESTORED WITH TRENCH PATCH TYPE 4.

- CURB & GUTTER REPLACEMENT FOR STORM SEWER INSTALLATION (ESTIMATED)
- TERRACE RESTORATION WITH TOPSOIL, SEED & MATTING



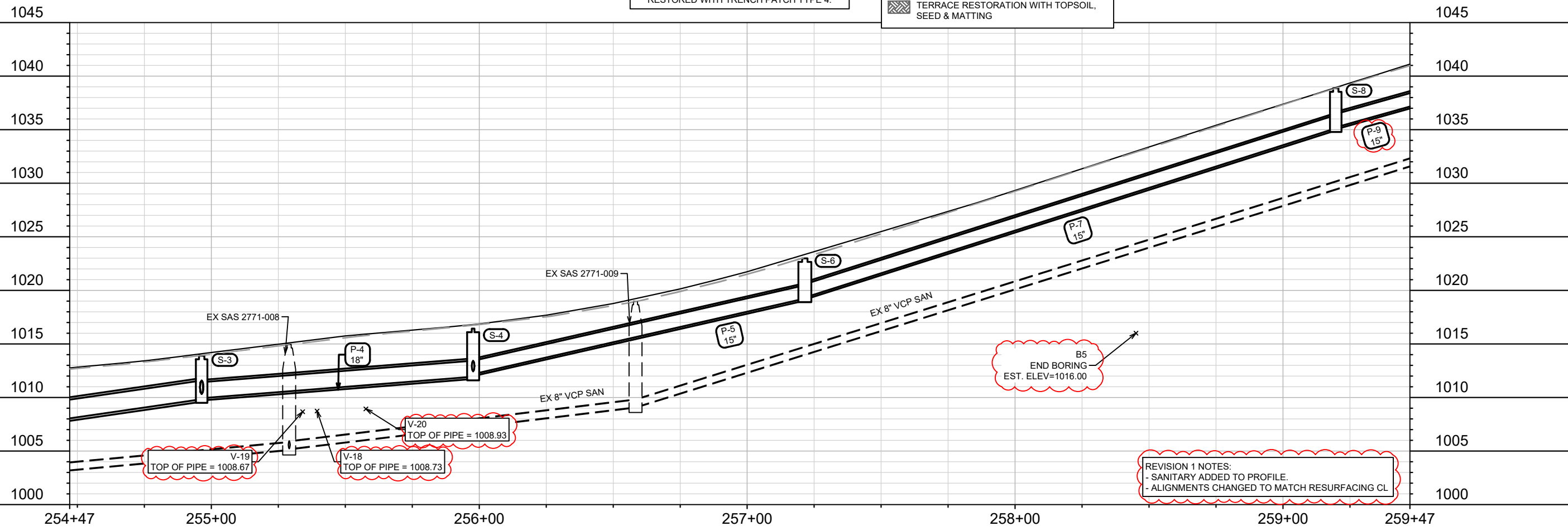
REVISION 1 NOTES:
 - SANITARY ADDED TO PROFILE.
 - ALIGNMENTS CHANGED TO MATCH RESURFACING CL

14896	MADISON, WI	8736	14896	U-1
STORM SEWER PLAN & PROFILE - STRATFORD DR		2024 RESURFACING		U-1
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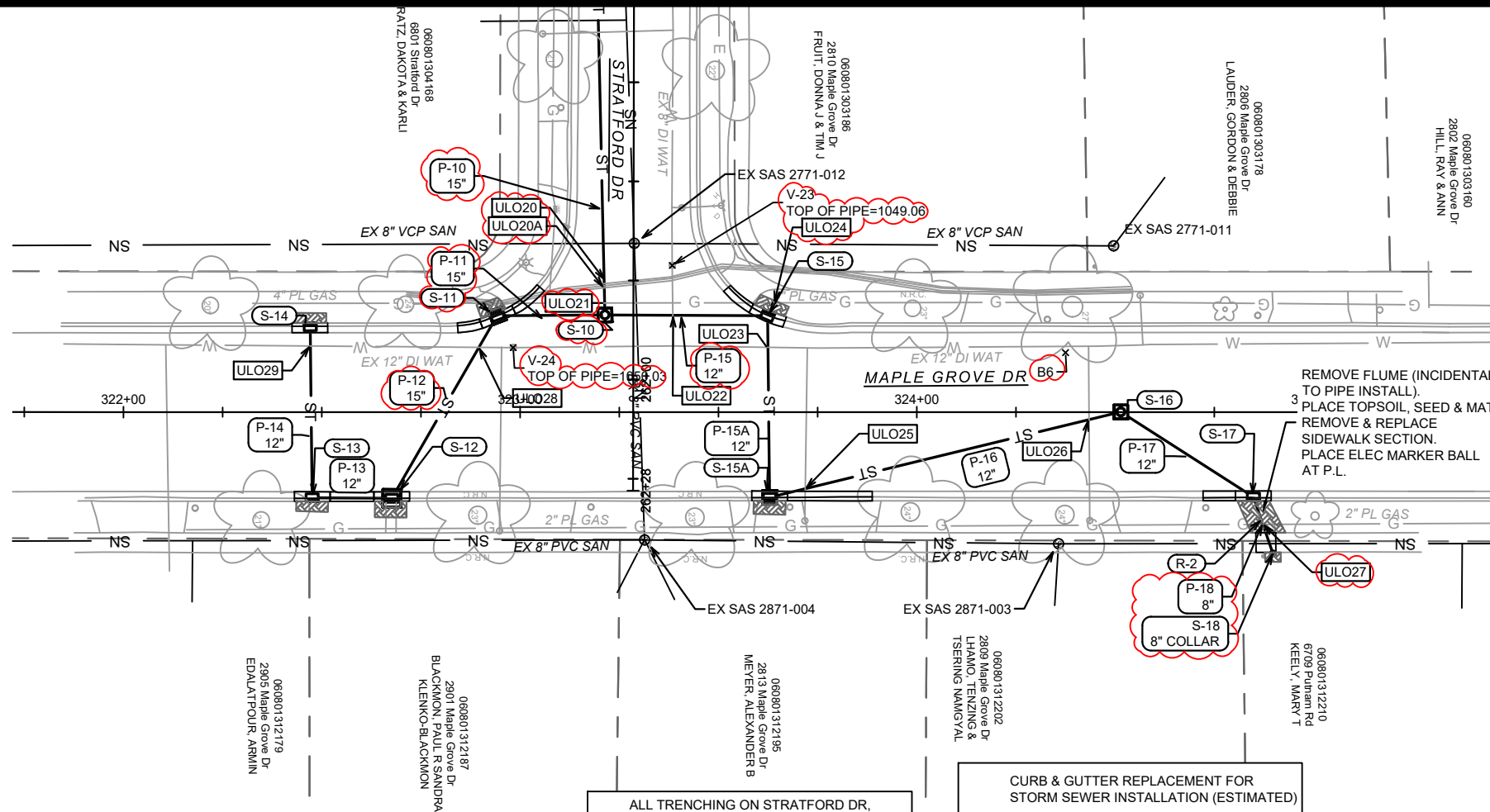
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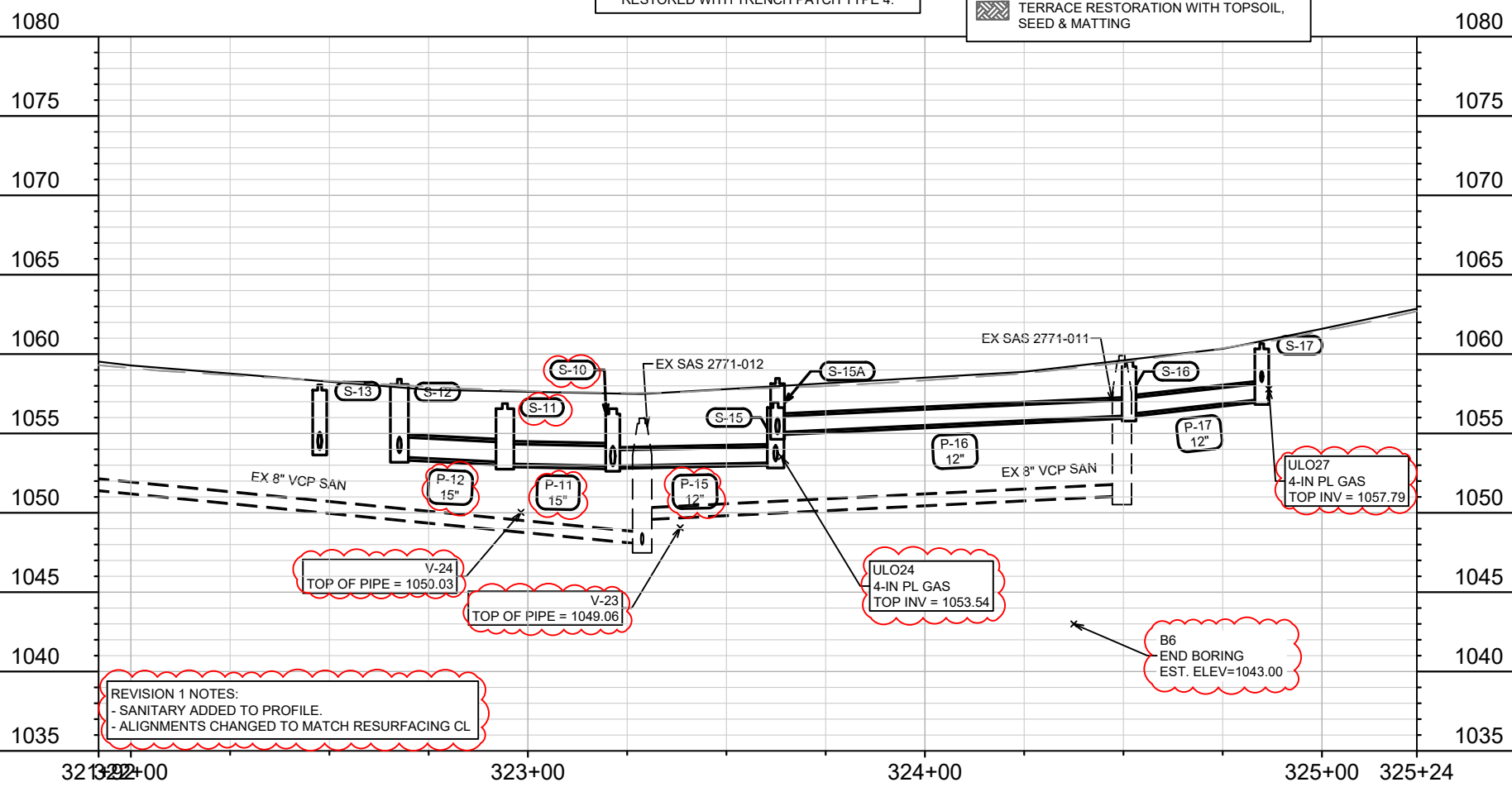
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STORM SEWER PLAN & PROFILE - STRATFORD DR				
2024 RESURFACING				
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14896				
U-2				



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CURB & GUTTER REPLACEMENT FOR STORM SEWER INSTALLATION (ESTIMATED)

TERRACE RESTORATION WITH TOPSOIL, SEED & MATTING



REVISION 1 NOTES:
 - SANITARY ADDED TO PROFILE.
 - ALIGNMENTS CHANGED TO MATCH RESURFACING CL

B6
 END BORING
 EST. ELEV=1043.00

ULO27
 4-IN PL GAS
 TOP INV = 1057.79

ULO24
 4-IN PL GAS
 TOP INV = 1053.54

V-24
 TOP OF PIPE = 1050.03

V-23
 TOP OF PIPE = 1049.06

14896	14896	14896	14896	14896	14896
MADISON, WI	UJO & STM UPDATE	5/15/24	DAO	BY	U-4
CONTRACT NO: 8736	REVISION	DATE	SCALE	DESIGNED BY: DAO	DATE: 5/22/2024 12:42 PM
14896	14896	14896	14896	14896	14896

STORM SEWER PLAN & PROFILE - MAPLE GROVE DR

2024 RESURFACING

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14896

U-4

STORM SEWER SCHEDULE

* REVISION 1 - 5/15/2024 DAO
 ^ REVISION 2 - 7/18/2024 DAO

2024 RESURFACING PROJECT NO. 14896	SHEET NO. U-11	U-11
STORM SEWER SCHEDULE		
CITY OF MADISON		

* STRUCTURE STATION, OFFSET UPDATED TO PAVING CL ALIGNMENTS

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
STRATFORD DR							
S-0	249+79.94	LT-10.02	3X6 STORM SAS	1004.62	999.65	4.97	FP; W/R-3067-7004-V; [1]
S-1	250+61.67	LT-9.52	4X4 STORM SAS	1004.74	1000.26	4.48	W/R-1050-1550-0054
* S-1A	250+68.40	LT-15.63	H INLET	1005.08	1001.83	3.25	W/R-3067-7004-V
S-1B	250+73.24	RT-15.50	H INLET	1004.59	1001.78	2.81	FP; W/R-3067-7004-V
S-2	253+71.95	LT-6.91	4X4 STORM SAS	1010.58	1005.08	5.50	W/R-1050-1550-0054
S-3	254+96.41	RT-1.77	3X3 STORM SAS	1013.89	1009.83	4.06	FP; W/R-1050-1550-0054
S-3A	255+10.43	LT-37.33	H INLET	1014.77	1011.27	3.50	FP; W/R-3067-7004-V
S-3B	255+46.47	LT-39.90	H INLET	1015.64	1012.39	3.25	W/R-3067-7004-V
S-3C	255+06.15	RT-40.18	H INLET	1014.63	1011.13	3.50	FP; W/R-3067-7004-V
S-3D	255+38.07	RT-39.59	H INLET	1015.43	1012.18	3.25	W/R-3067-7004-V
S-4	255+97.72	RT-15.63	4X4 STORM SAS	1016.43	1011.93	4.50	W/R-3067-7004-V
S-4A	255+96.81	LT-15.63	H INLET	1016.52	1013.05	3.47	W/R-3067-7004-V
S-6	257+21.53	LT-2.88	4X4 STORM SAS	1022.98	1019.23	3.75	W/R-1050-1550-0054
S-8	259+19.59	LT-0.06	3X3 STORM SAS	1038.87	1035.12	3.75	W/R-1050-1550-0054
* S-9	260+26.44	RT-10.91	3X3 STORM SAS	1047.11	1042.76	4.35	W/R-1050-1550-0054
* S-10	261+83.70	RT-7.18	3X3 STORM SAS	1056.56	1052.95	3.61	W/R-1050-1550-0054
MAPLE GROVE DR							
* S-11	322+94.21	LT-24.30	3X3 STORM SAS	1056.89	1053.09	3.80	W/R-3067-7004-V
S-12	322+67.64	RT-21.74	4X4 STORM SAS	1058.42	1053.52	4.90	W/R-3067-7004-VB
S-13	322+47.57	RT-21.58	H INLET	1058.06	1053.98	4.08	W/R-3067-7004-V
S-14	322+47.07	LT-21.53	H INLET	1057.80	1054.30	3.50	W/R-3067-7004-V
S-15	323+62.38	LT-24.33	H INLET	1056.96	1053.16	3.80	W/R-3067-7004-V
S-15A	323+62.88	RT-21.49	3X3 STORM SAS	1058.47	1054.97	3.50	W/R-3067-7004-V
S-16	324+51.41	LT-0.05	3X3 STORM SAS	1059.54	1056.12	3.42	W/R-1050-1550-0054
S-17	324+84.85	RT-21.38	H INLET	1060.66	1057.16	3.50	W/R-3067-7004-V
* S-18	324+89.74	RT-35.60	8" PIPE COLLAR	-	1059.00	-	-

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
STRATFORD DR										
P-1	S-0	S-1	999.65	1000.26	82	78	0.78%	24"	RCP	-
* P-1A	S-1	S-1A	1001.26	1001.83	9	5	11.92%	12"	RCP	-
P-1B	S-1	S-1B	1001.26	1001.78	28	24	2.15%	12"	RCP	-
P-2	S-1	S-2	1000.36	1005.08	310	306	1.54%	24"	RCP	-
P-3	S-2	S-3	1005.33	1009.83	123	120	3.75%	21"	RCP	-
P-3A	S-3	S-3A	1010.33	1011.27	41	38	2.45%	15"	RCP	-
P-3B	S-3A	S-3B	1011.52	1012.39	36	34	2.55%	12"	RCP	-
P-3C	S-3	S-3C	1010.33	1011.13	40	37	2.19%	15"	RCP	-
P-3D	S-3C	S-3D	1011.38	1012.18	32	30	2.64%	12"	RCP	-
P-4	S-3	S-4	1009.93	1011.93	102	99	2.02%	18"	RCP	-
P-4A	S-4	S-4A	1012.43	1013.05	31	28	2.19%	12"	RCP	-
P-5	S-4	S-6	1012.18	1019.23	125	121	5.81%	15"	RCP	-
P-7	S-6	S-8	1019.33	1035.12	198	195	8.09%	15"	RCP	-
* P-9	S-8	S-9	1035.22	1042.76	105	102	7.36%	15"	RCP	-
* P-10	S-9	S-10	1043.71	1052.95	157	154	5.99%	15"	RCP	NCM
* P-11	S-10	S-11	1052.95	1053.09	27	24	0.58%	15"	RCP	-
* P-15	S-10	S-15	1052.95	1053.16	41	38	0.55%	12"	RCP	-
MAPLE GROVE DR										
* P-12	S-11	S-12	1053.19	1053.52	53	49	0.68%	15"	RCP	-
P-13	S-12	S-13	1053.77	1053.98	20	17	1.27%	12"	RCP	-
P-14	S-13	S-14	1054.08	1054.30	43	41	0.54%	12"	RCP	-
P-15A	S-15	S-15A	1053.26	1054.97	46	43	3.95%	12"	RCP	-
P-16	S-15A	S-16	1055.07	1056.12	91	88	1.19%	12"	RCP	-
P-17	S-16	S-17	1056.22	1057.16	40	36	2.60%	12"	RCP	-
* P-18	S-17	S-18	1058.25	1059.00	15	14	5.36%	8"	PVC	NCM, [2]

STORM STRUCTURE REMOVALS & ABANDONMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	DEPTH (FT)	NOTES
STRATFORD DR						
R-1	IN2771-006	249+79.86	LT-11.16	INLET	4.99	-
MAPLE GROVE DR						
R-2	UNK	324+86.89	RT-27.17	FLUME & PLATE		REM INCIDENTAL TO PIPE INSTALL

ULO SCHEDULE

ID NO.	STATION	LOC (OFFSET)	TYPE	NOTES
STRATFORD DR				
* ULO1	250+06.37	LT-10.16	16" WATER MAIN	TOP = 998.18, NO CONFLICT
* ULO2	250+70.59	RT-9.77	8" WATER MAIN	TOP = 998.89, NO CONFLICT
* ULO3	251+41.24	LT-9.30	WAT LAT	TOP = 998.98, NO CONFLICT
* ULO4	252+14.18	LT-8.86	WAT LAT	TOP = 1000.38, NO CONFLICT
ULO5	252+88.17	LT-8.89	WAT LAT	

ULO SCHEDULE

ID NO.	STATION	LOC (OFFSET)	TYPE	NOTES
STRATFORD DR				
ULO6	254+93.07	RT-1.20	2" GAS	
ULO7	255+01.75	RT-21.85	2" GAS	
ULO8	255+03.04	RT-27.06	2" GAS	
ULO9	255+40.92	LT-39.51	6" WAT MAIN	
ULO10	255+36.57	RT-7.13	6" WAT MAIN	
ULO11	254+98.59	RT-9.71	8" WAT MAIN	
ULO12	255+32.47	RT-39.69	6" WAT MAIN	
ULO13	255+96.97	LT-9.96	8" WAT MAIN	
ULO14	257+15.22	LT-2.38	WAT LAT	
ULO15	257+89.13	LT-1.44	WAT LAT	
ULO16	258+58.49	RT-0.12	WAT LAT	
* ULO17	260+06.58	RT-11.62	UG 2" ELEC	TOP = 1043.22
ULO18	260+35.70	RT-10.68	WAT LAT	
ULO19	261+12.40	RT-8.35	WAT LAT	
* ULO20	261+74.96	RT-7.18	UG 6" ELEC	TOP = 1050.92, NO CONFLICT
* ULO20A	261+76.82	RT-7.49	3" FO	TOP = 1052.31, MIN CLEARANCE
* ULO21	261+80.69	RT-7.29	4" GAS	TOP = 1053.45. RELOCATE GAS
MAPLE GROVE DR				
ULO22	323+38.52	LT-24.43	8" WAT MAIN	
ULO23	323+62.47	LT-16.29	12" WAT MAIN	
* ULO24	323+63.99	LT-27.58	4" GAS	TOP = 1053.54; [3]
ULO25	323+71.88	RT-19.31	WAT LAT	
ULO26	324+43.42	RT-1.85	WAT LAT	
* ULO27	324+87.21	RT-28.31	4" GAS	TOP = 1057.79; [3]
ULO28	322+89.51	LT-16.34	12" WAT MAIN	
ULO29	322+47.15	LT-16.68	12" WAT MAIN	

SPECIFIC NOTES:

- [1] RECONNECT EX 24" RCP STM, EI = 999.65
- [2] PLACE ELECTRONIC MARKER BALL AT PROPERTY LINE
- * [3] NO CONFLICT (ULO)

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.
- 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 REBAR FOR FIELD POURED STRUCTURES SHALL BE EPOXY COATED. ANY EXPOSED STEEL SHALL BE TOUCHED UP OR RECOATED

- 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 3 UNLESS OTHERWISE NOTED.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- 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 DANIEL OLIVARES OF CITY ENGINEERING AT (608) 261-9285 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO DAOLIVARES@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

* REVISION 1 - 5/15/2024 DAO
 ^ REVISION 2 - 7/18/2024 DAO

2024 RESURFACING PROJECT NO. 14896	SHEET NO. U-12	U-12
STORM SEWER SCHEDULE		
CITY OF MADISON		

** STRUCTURE STATION, OFFSET UPDATED TO PAVING CL ALIGNMENTS

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
PUTNAM RD							
T-20	200+42.59	RT-7.40	18" STORM TAP	-	1006.64	-	TAP AT ADJ-1
* S-20	201+66.78	RT-17.18	3X3 STORM SAS	1018.39	1012.07	6.32	W/R-3067-7004-V
* S-20A	201+66.40	LT-17.81	H INLET	1017.75	1013.56	4.19	W/R-3067-7004-V
S-21	204+61.21	RT-5.44	3X3 STORM SAS	1043.94	1039.36	4.58	W/R-1050-1550-0054
S-21A	204+56.71	LT-15.37	H INLET	1044.59	1041.08	3.51	W/R-3067-7004-V
S-21B	204+57.69	RT-15.72	H INLET	1044.68	1041.18	3.50	W/R-3067-7004-V
^ S-21X	205+33.00	RT-5.66	3X3 STORM SAS	1051.53	1046.98	4.55	FP; W/R-1050-1550-0054
^ S-22	207+35.60	RT-5.87	3X3 STORM SAS	1069.73	1065.88	3.85	W/R-1050-1550-0054
S-23	207+46.37	LT-15.40	H INLET	1070.75	1067.25	3.50	W/R-3067-7004-V
S-24	207+53.98	RT-16.45	H INLET	1071.24	1067.84	3.40	W/R-3067-7004-V
S-25	207+76.02	RT-15.63	H INLET	1073.20	1068.67	4.53	W/R-3067-7004-V
S-26	207+75.07	LT-15.35	H INLET	1073.30	1069.80	3.50	W/R-3067-7004-V
MCKENNA BLVD & PILGRIM RD							
^ T-30	REMOVED FROM PLAN						
^ S-29	410+18.66	LT-50.91	30" AE W/GATE	-	1007.99	-	INSTALL CUTOFF WALL & RIPRAI
^ S-30	409+94.15	LT-8.54	4X4 STORM SAS	1016.27	1008.92	7.35	W/R-1050-1550-0054
^ S-31	29+42.18	LT-8.61	6X6 STORM SAS	1020.28	1012.94	7.34	FP; W/TWO R-1050-1550-0054
^ S-31A	26+48.81	LT-10.93	6X6 STORM SAS	1018.94	1013.44	5.50	FP; W/TWO R-1050-1550-0054
^ S-32	23+43.68	LT-12.54	6X6 CATCH BASIN W/3' SUMP	1017.77	1014.15	3.62	FP; W/TWO-R-1689-1550-0054; [3]
T-33	23+53.09	RT-23.73	19"X30" STORM TAP	-	1014.85	-	TAP AT ADJ-3
^ T-34	23+40.84	LT-23.47	18" STORM TAP	-	1014.21	-	TAP AT ADJ-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
PUTNAM RD										
* P-20	T-20	S-20	1006.64	1012.07	130	128	4.23%	18"	RCP	-
* P-20A	S-20	S-20A	1012.57	1013.56	35	33	3.04%	12"	RCP	-
* P-21	S-20	S-21	1012.17	1039.36	289	288	9.45%	18"	RCP	-
P-21A	S-21	S-21A	1039.86	1041.08	22	19	6.41%	12"	RCP	-
P-21B	S-21	S-21B	1039.86	1041.18	12	9	14.21%	12"	RCP	-
^ P-22	S-21	S-21X	1039.61	1046.98	82	79	9.29%	15"	RCP	-
^ P-22X	S-21X	S-22	1048.38	1065.88	203	200	8.73%	15"	RCP	-
P-23	S-22	S-23	1066.13	1067.25	24	21	5.32%	12"	RCP	-
P-24	S-22	S-24	1066.13	1067.84	21	18	9.48%	12"	RCP	-
P-25	S-24	S-25	1067.94	1068.67	22	19	3.83%	12"	RCP	-
P-26	S-25	S-26	1068.77	1069.80	31	29	3.54%	12"	RCP	-
MCKENNA BLVD & PILGRIM RD										
^ P-29	S-29	S-30	1007.99	1008.92	49	47	2.00%	30"	RCP	-
^ P-30	S-30	S-31	1009.02	1012.94	150	145	2.70%	30"	RCP	-
^ P-31	S-31	S-31A	1013.44	1013.44	293	288	0.00%	24"	TYPE 2	[5][6]
^ P-31A	S-31	S-31A	1013.44	1013.44	293	288	0.00%	24"	TYPE 2	[5][6]
^ P-32	S-31A	S-32	1013.54	1014.15	305	299	0.20%	24"	TYPE 2	[5]
^ P-32A	S-31A	S-32	1013.54	1014.15	305	299	0.20%	24"	TYPE 2	[5]
^ P-33	S-32	T-33	1014.15	1014.85	37	33	2.09%	19"X30"	HERCP	-
^ P-34	S-32	T-34	1014.15	1014.21	11	7	0.84%	18"	RCP	-

STORM STRUCTURE ADJUSTMENTS

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	EX TOC	PROP TOC	ADJ (FT)	NOTES
PUTNAM RD							
ADJ-1	AS2770-005	200+42.59	RT-7.40	1010.95	1010.95	0.00	18" STM TAP (T-20)
MCKENNA BLVD & PILGRIM RD							
^ ADJ-2	IN2870-001	23+40.74	LT-23.50	1017.79	1017.79	0.00	18" STM TAP (T-34); [4]
^ ADJ-3	IN2870-002	23+53.12	RT-23.81	1017.96	1017.96	0.00	19"X30" STM TAP (T-33); [4]

STORM PIPE REMOVALS & ABANDONMENTS

PIPE REM NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PAID (Y/N)	REM LGTH PAID (FT)	ABN LGTH (FT)	SLURRY (CY)	PIPE SIZE	PIPE TYPE	NOTES
MCKENNA BLVD										
RP-1	ADJ-2	ADJ-3	49	N	0.00	0.00	0.00	18"	RCP	

ULO SCHEDULE

ID NO.	STATION	LOCATION (OFF TYPE)	NOTES
MCKENNA BLVD & PILGRIM RD			
^ ULO70	23+52.60	RT-21.78	16" WAT MAIN TOP = 1012.90, NO CONFLICT
^ ULO71	23+77.15	LT-12.63	WAT LAT TOP = 1011.58, NO CONFLICT
^ ULO72	24+37.09	LT-12.50	WAT LAT TOP = 1011.02, NO CONFLICT
^ ULO73	25+05.31	LT-11.21	WAT LAT TOP = 1011.24, NO CONFLICT
^ ULO73A	25+05.82	LT-11.19	SAN LAT TOP = 1010.74, NO CONFLICT
^ ULO74	25+77.28	LT-11.42	WAT LAT TOP = 1011.14, NO CONFLICT
^ ULO75	26+64.19	LT-11.08	WAT LAT TOP = 1012.11, NO CONFLICT
^ ULO76	27+34.40	LT-10.21	WAT LAT TOP = 1013.31; [7]
^ ULO77	27+97.49	LT-9.78	WAT LAT TOP = 1013.38; [7]
^ ULO78	28+75.20	LT-9.18	WAT LAT TOP = 1013.90; [7]
^ ULO79	29+28.75	LT-8.71	4" GAS TOP = 1016.88, NO CONFLICT
^ ULO80	29+42.15	LT-32.58	4" GAS TOP = 1016.84, NO CONFLICT
^ ULO81	26+61.30	LT-0.98	SAN LAT TOP = 1011.36; [6]
^ ULO82	27+35.42	LT-0.81	SAN LAT TOP = 1011.65; [6]
^ ULO83	27+98.64	LT-0.71	SAN LAT TOP = 1011.91; [6]
^ ULO84	28+77.31	LT-0.56	SAN LAT TOP = 1012.33; [6]
^ ULO85	410+02.24	LT-16.44	UG ELEC
^ ULO86	410+06.32	LT-21.84	4" GAS & FO
^ ULO87	410+06.72	LT-30.83	FO SPECTRUM

ULO SCHEDULE

ID NO.	STATION	LOC (OFST)	TYPE	NOTES
PUTNAM RD				
ULO40	201+35.89	RT-9.84	WAT LAT	
* ULO41	201+63.80	RT-22.54	4" GAS	TOP = 1015.04, NO CONFLICT
* ULO42	201+68.73	LT-10.42	12" WAT MAIN	TOP = 1011.94, NO CONFLICT
ULO43	201+81.10	RT-8.75	WAT LAT	
ULO44	202+46.96	RT-3.57	WAT LAT	
ULO45	203+29.97	RT-4.09	WAT LAT	
ULO46	204+00.97	RT-4.54	WAT LAT	
ULO47	204+56.04	LT-13.02	12" WAT MAIN	
ULO48	204+70.77	RT-5.42	WAT LAT	
^ ULO49	205+46.00	RT-5.70	AT&T COMM	TOP = 1049.02, 4" AT&T COMM CONDUIT
^ ULO50	206+84.11	RT-7.93	4" GAS	TOP = 1060.80, MINIMAL CLEARANCE
ULO51	206+92.03	RT-6.14	12" WAT MAIN	
ULO52	207+44.64	LT-12.89	10" WAT MAIN	
ULO53	207+75.15	LT-12.55	10" WAT MAIN	

SPECIFIC NOTES:

- ^ [3] INSTALL 3' SUMP BELOW PIPE INVERT, GIVEN IN CHART; INSTALL 4" CASTINGS; RCP MAY BE INSTALLED INTO ROOF; HP STORM PIPE MUST BE INSTALLED BELOW ROOF
- ^ [4] EX STRUCTURE IS DOUBLE-H INLET
- ^ [5] DOUBLE STORM MAIN, TYPE A SLURRY BACKFILL BETWEEN PIPES
- ^ [6] INSTALL CONCRETE SUPPORTS
- ^ [7] ADJUST WATER LATERAL