

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

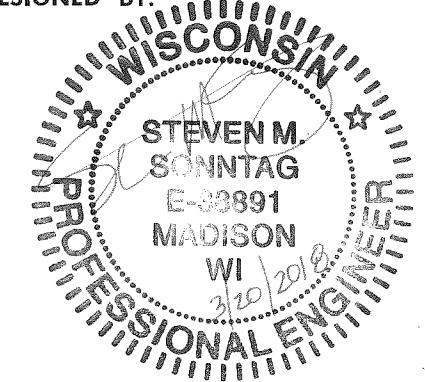
MARCH 6, 2018

BY THE COMMON COUNCIL OF MADISON, WISCONSIN

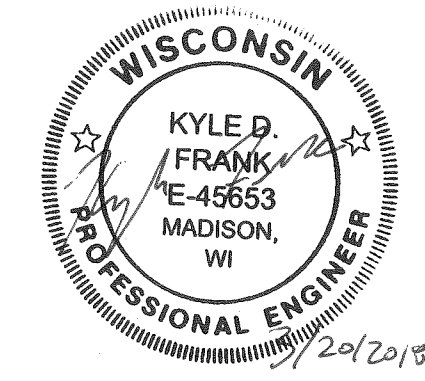
PUBLIC IMPROVEMENT DESIGN APPROVED BY:

[Signature] 3/22/18
City Engineer Date

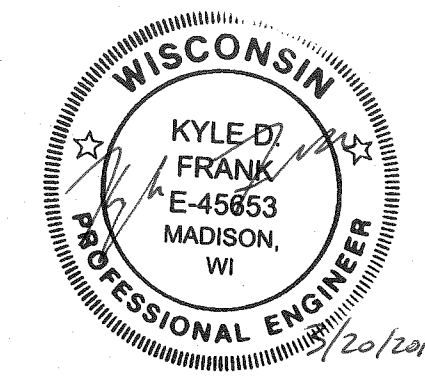
STREET DESIGNED BY:



SANITARY SEWER DESIGNED BY:



STORM SEWER DESIGNED BY:



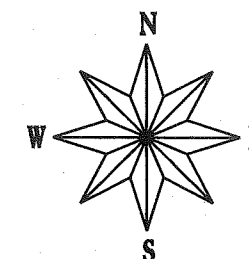
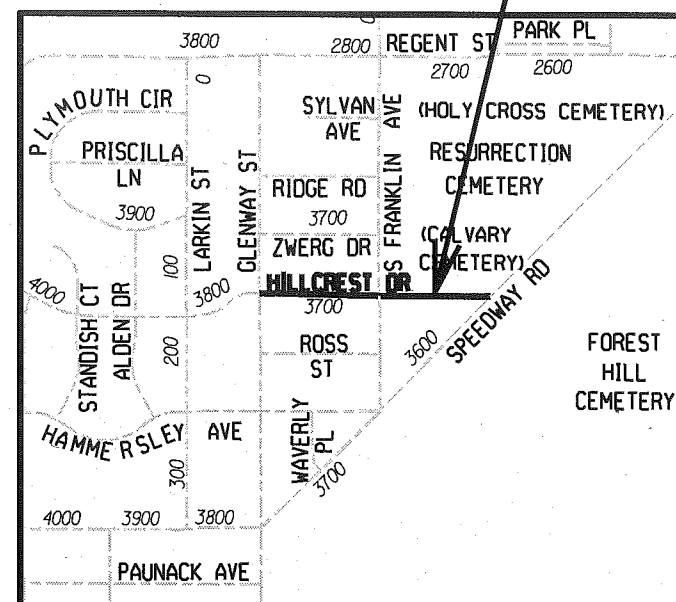
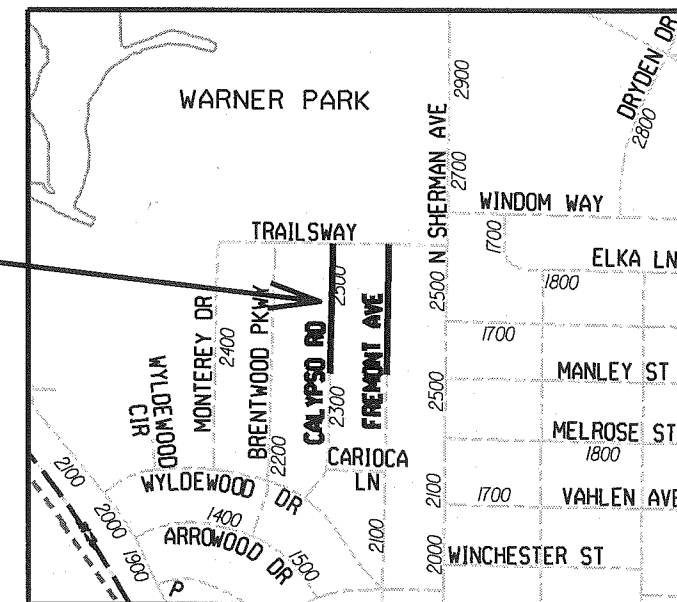
INDEX OF SHEETS

SHEET NO.	TITLE
1	
D-1	DETAIL
EC1-EC4	EROSION CONTROL
P1-P7	PLAN & PROFILE
U1-U6	SEWER PLAN & PROFILE
U7-U8	SEWER SCHEDULES
W1-W4	WATER PLAN & PROFILE
W5	WATER SYSTEMS IMPACT PLAN
W6	WATER ESTIMATE OF MATERIALS

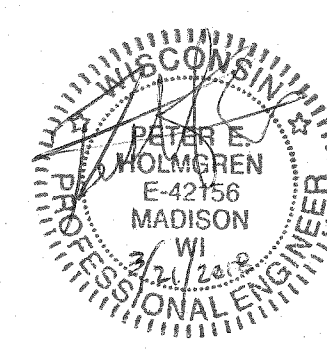
CALYPSO ROAD, FREMONT AVENUE AND HILLCREST DRIVE RESURFACING WITH UTILITIES ASSESSMENT DISTRICT - 2018

CITY PROJECT NO. 11654
CONTRACT NO. 8111

CONSTRUCTION PROJECT LOCATION



WATER DESIGNED BY:



CONVENTIONAL SIGNS	
FIELD VERIFY ALL UTILITY LOCATIONS	
GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□
ADA COMPLIANT RAMP W/ DETECTABLE WARNING FIELD	▣

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 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%.

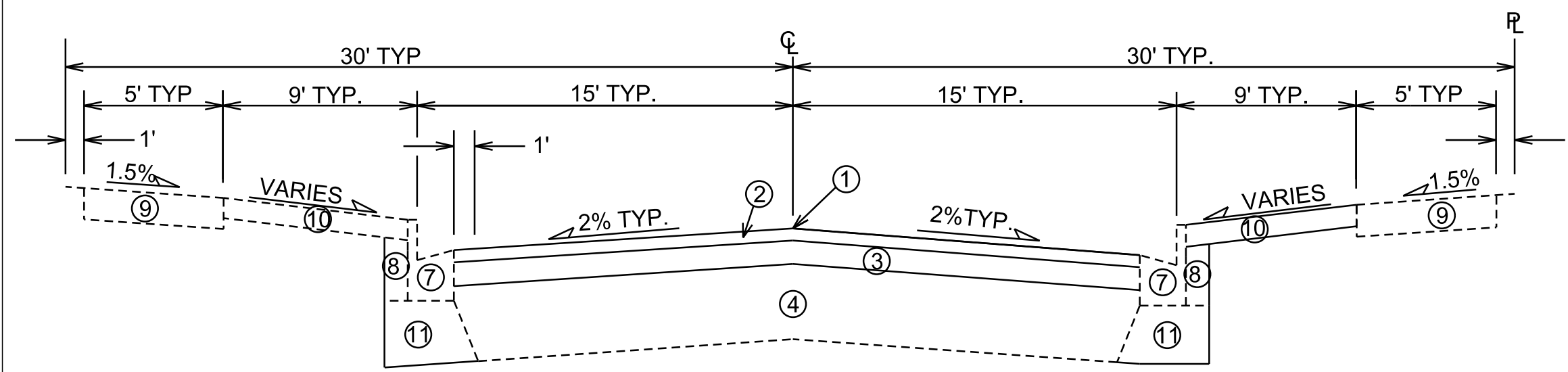
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ESTIMATED UNDISTRIBUTED UNDERCUT..... 615.00 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT..... 615.00 C.Y.

PLOT SCALE:

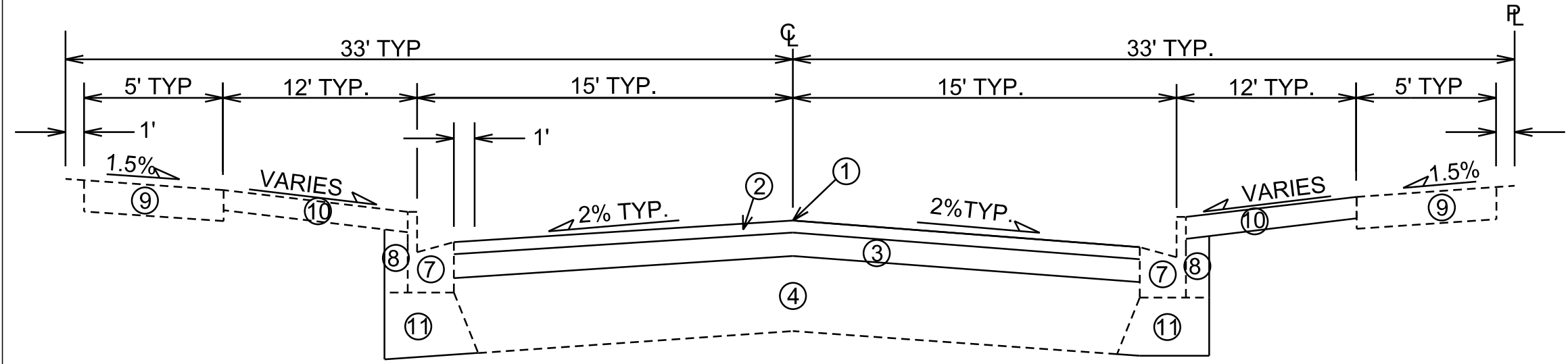
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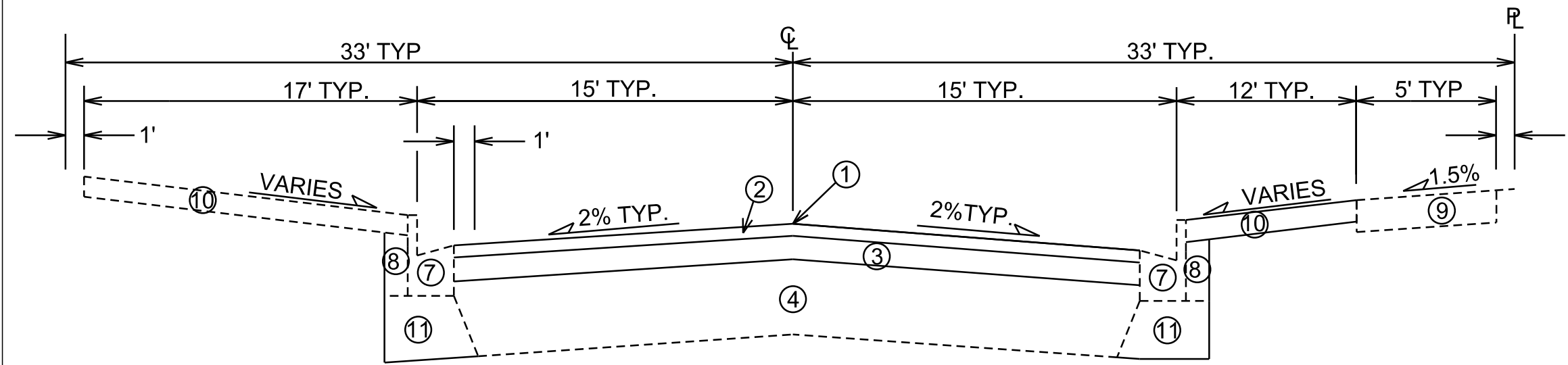
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



TYPICAL SECTION
CALYPSO ROAD
FREEMONT AVENUE



TYPICAL SECTION
HILLCREST STREET



TYPICAL SECTION
HILLCREST STREET

- ① POINT REFERRED TO ON PROFILE
- ② 1.75" BITUMINOUS UPPER LAYER, 4 LT 58-28 S
- ③ 1.75" BITUMINOUS LOWER LAYER, 4 LT 58-28 S
- ④ PULVERIZED ASPHALT AND EXISTING BASE
- ⑦ REMOVE & REPLACE CONCRETE CURB & GUTTER AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑧ FILL, INCIDENTAL WHERE CURB IS REPLACED
- ⑨ 5" CONCRETE SIDEWALK, REMOVE & REPLACE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER
- ⑩ RESTORE DISTURBED AREAS W/ 4" TOPSOIL, SEED & MAT
- ⑪ 4" MIN GRADATION 2 CRUSHED AGGREGATE AS NECESSARY FOR CURB REPLACEMENT

* SEE CROSS SECTION SHEETS FOR CROSS SLOPES AND TOP OF CURB ELEVATIONS.

TYPICAL SECTION NOT TO SCALE

PLOT SCALE: _____

PLOT NAME: _____

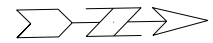
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL PLAN

CALYPSO RD

CITY OF MADISON



0809-364-0326-3
DERSCH PROPERTIES LLC
2310 Calypso Rd

0809-364-0327-1
STATZ, DANIEL & ELIZABETH
ATTN MADISON PROP MNGMT
2314 Calypso Rd

0809-364-0328-9
QUANTUM LEAP LLC
2402 Calypso Rd

0809-364-0329-7
ESIDE PROPERTIES LLC
2406 Calypso Rd

0809-364-0330-4
SCHWARTZ, WILLIAM J
& MARJORIE M SCHWARTZ
2410 Calypso Rd

0809-364-0210-8
CLEMENTS, KAMBUI
2309 Calypso Rd

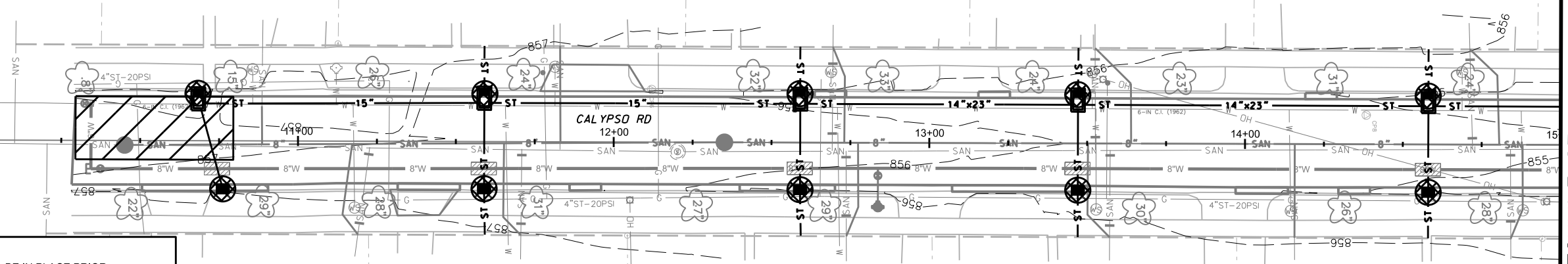
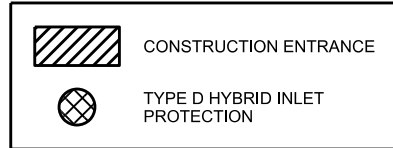
0809-364-0209-1
CARTMILL, RANDI S W
2313 Calypso Rd

0809-364-0208-3
WATTS & SONS CO, J C
2401 Calypso Rd

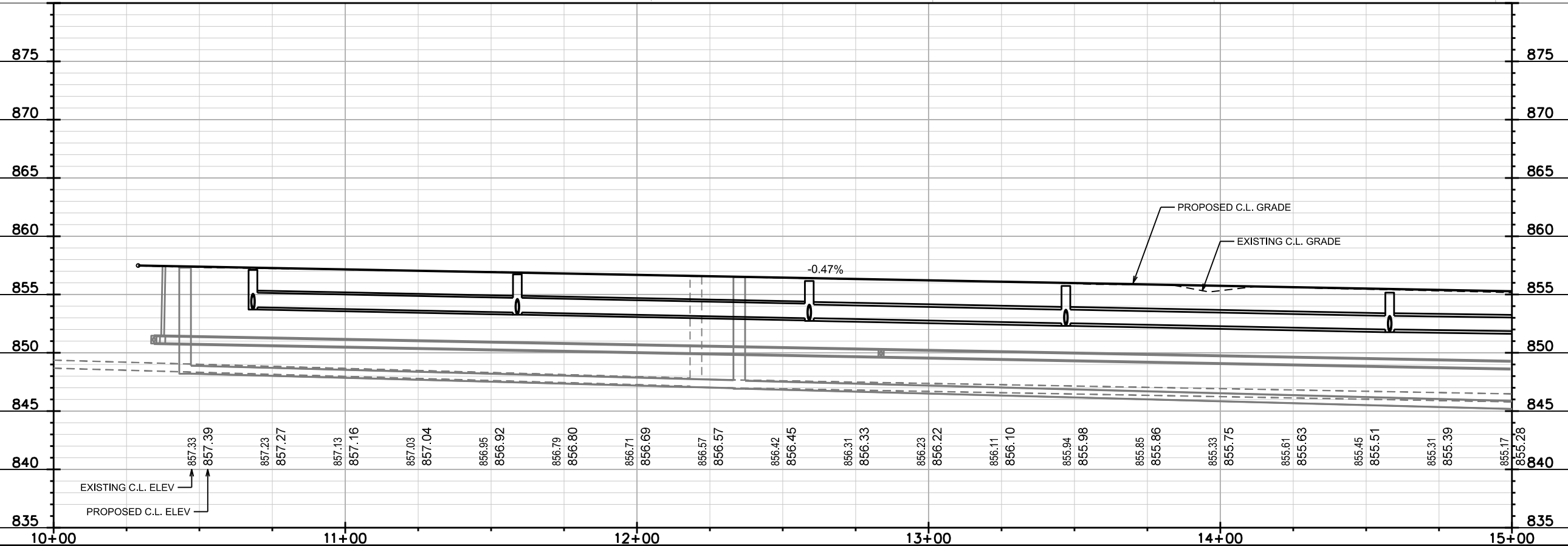
0809-364-0207-5
WATTS & SONS CO, J C
2405 Calypso Rd

0809-364-0206-7
WATTS & SONS CO, J C
2413 Calypso Rd

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.



MATCHLINE STA 15+00.00

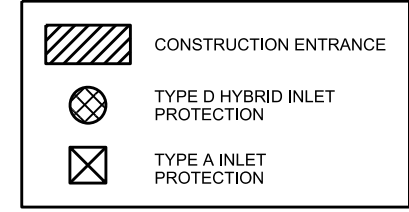
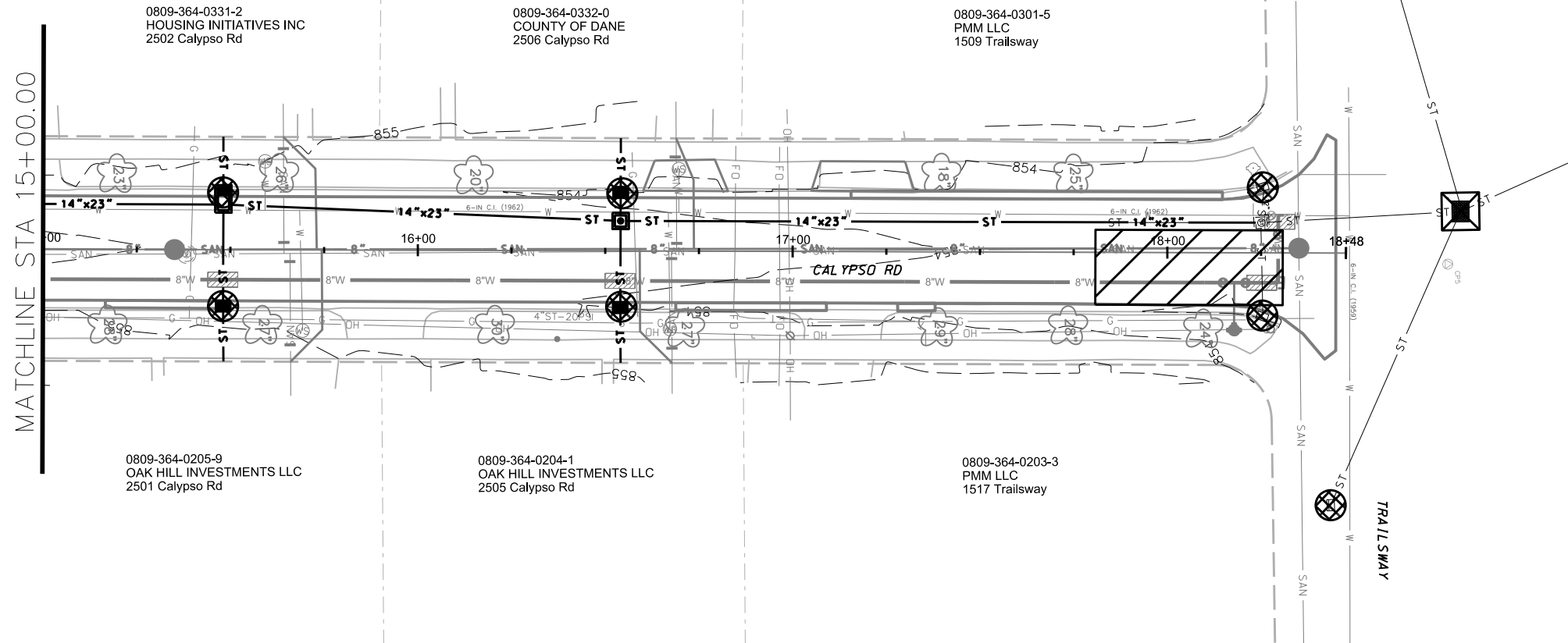
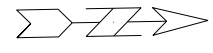


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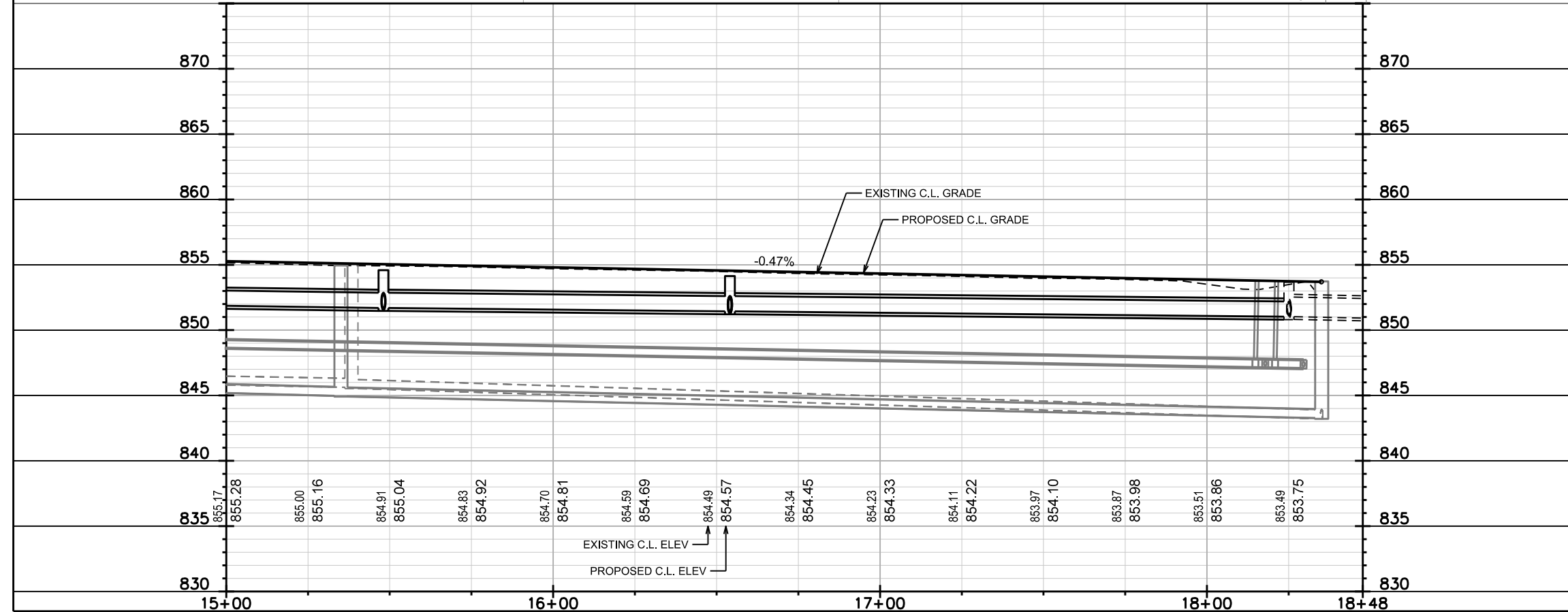
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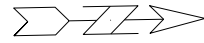
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REV. DATE:
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

EROSION CONTROL PLAN

FREMONT AVE CITY OF MADISON



CONSTRUCTION ENTRANCE (diagonal hatched box symbol)

TYPE D HYBRID INLET PROTECTION (circle with cross-hatch symbol)

0809-364-0221-5
SARASIN, GREGORY R
CARLA SULLIVAN
2310 Fremont Ave

0809-364-0222-3
FUEL, ELIZABETH M
2314 Fremont Ave

0809-364-0223-1
WATTS, THOMAS M &
ROBT L & RICHARD D WATTS
2402 Fremont Ave

0809-364-0224-9
WATTS, THOMAS M &
ROBT L & RICHARD D WATTS
2406 Fremont Ave

0809-364-0225-7
WATTS & SONS CO, J C
2410 Fremont Ave

0809-364-0226-5
WATTS & SONS CO, J C
2414 Fremont Ave

0809-364-0111-8
BENSON, DAVID & MARIA
2309 Fremont Ave

0809-364-0110-0
MOUCHON, MARC
2313 Fremont Ave

0809-364-0109-3
WATTS, THOMAS M
2401 Fremont Ave

CITY OF MADISON
FREMONT LIFT
STATION - LS #10
BUILDING

0809-364-0108-5
CITY OF MADISON ENGINEER
SEWER UTILITY 532
2405 Fremont Ave

0809-364-0107-7
WATTS & SONS CO, J C
2409 Fremont Ave

0809-364-0106-9
WATTS & SONS CO, J C
2413 Fremont Ave

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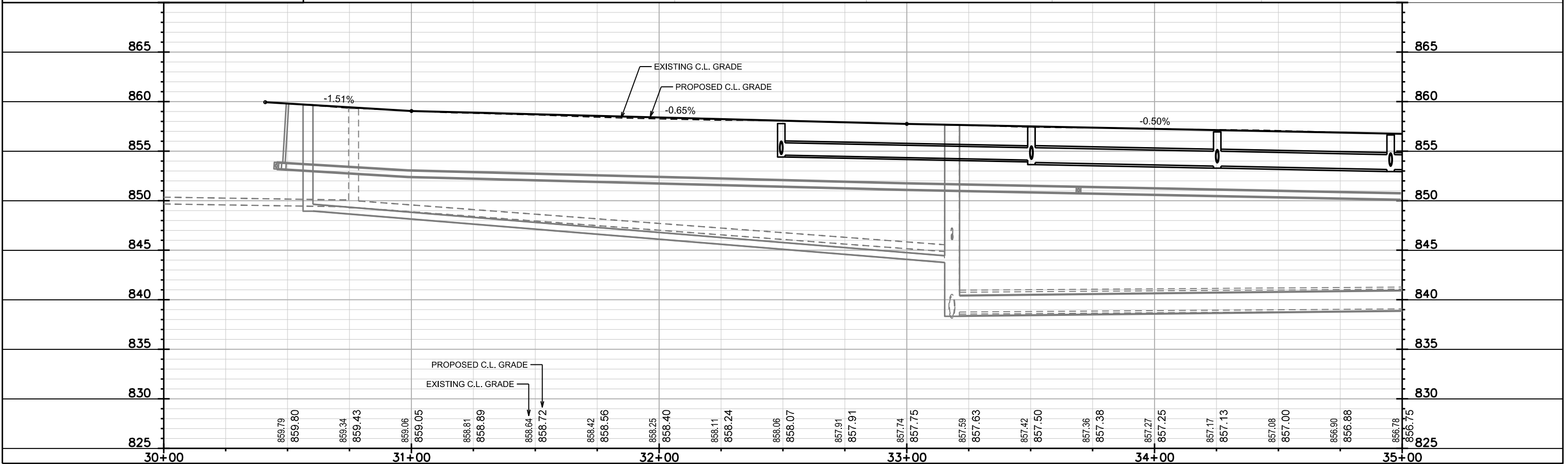
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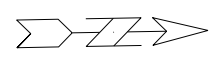


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MATCHLINE STA 35+00.00

0809-364-0226-5
WATTS & SONS CO, J C
2414 Fremont Ave

0809-364-0227-3
TAYLOR-CUEVAS, LISA
& LUIS CUEVAS
2502 Fremont Ave

0809-364-0228-1
TAYLOR-CUEVAS, LISA
& LUIS CUEVAS
2506 Fremont Ave

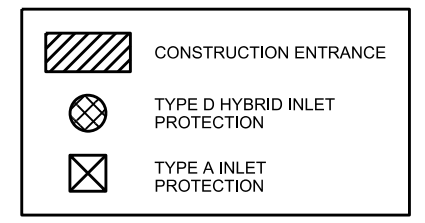
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SCHWARTZ, WILLIAM J
& MARJORIE M SCHWARTZ
1525 Trailsway

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WATTS & SONS CO, J C
2413 Fremont Ave

0809-364-0105-1
FASS, FREDERICK M
& MARIE L JACOBSON
2501 Fremont Ave

0809-364-0104-3
SMITH, BYRON R
& VIVIAN C SMITH
2505 Fremont Ave

0809-364-0103-5
GARTLEY ETAL, BRIAN D
1601 Trailsway



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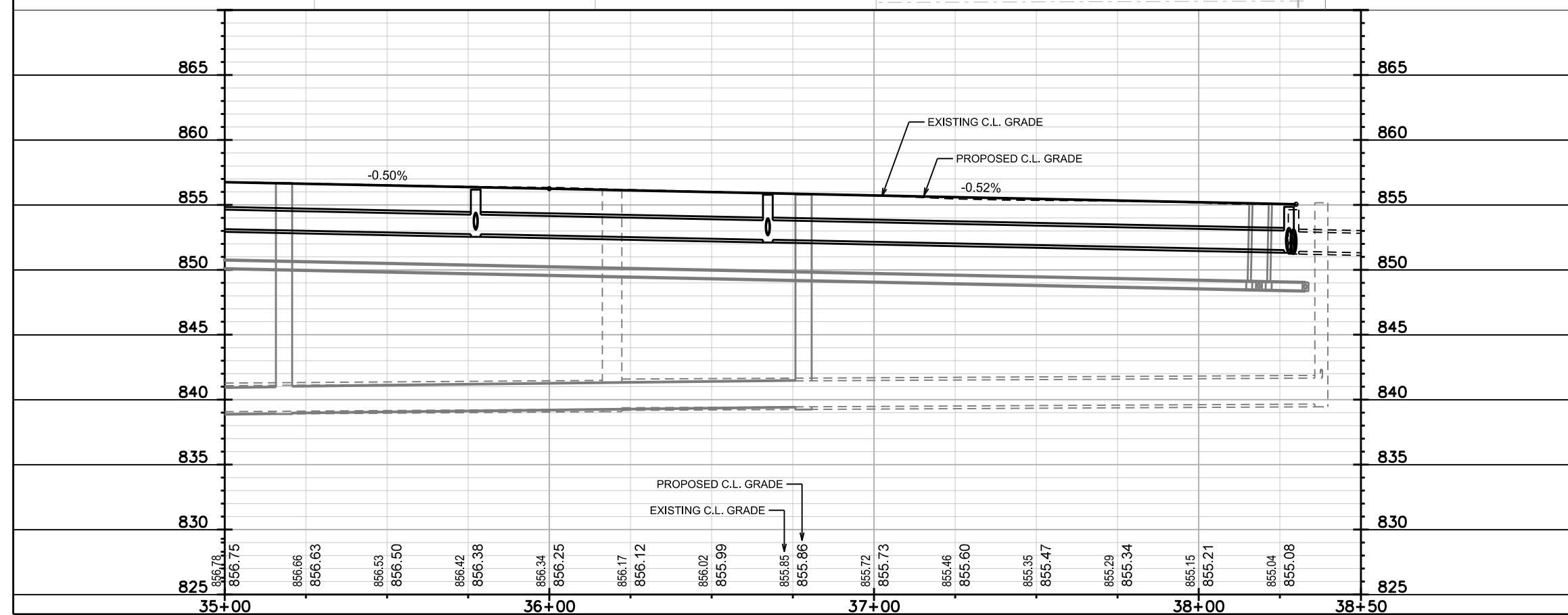
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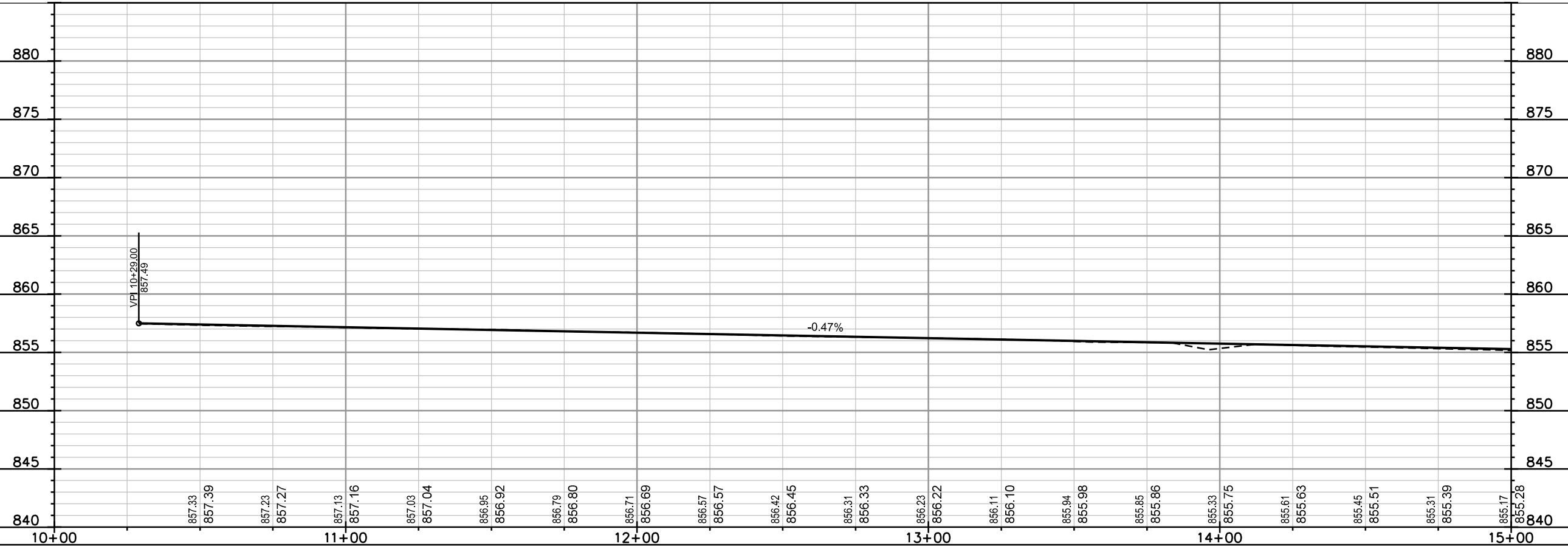
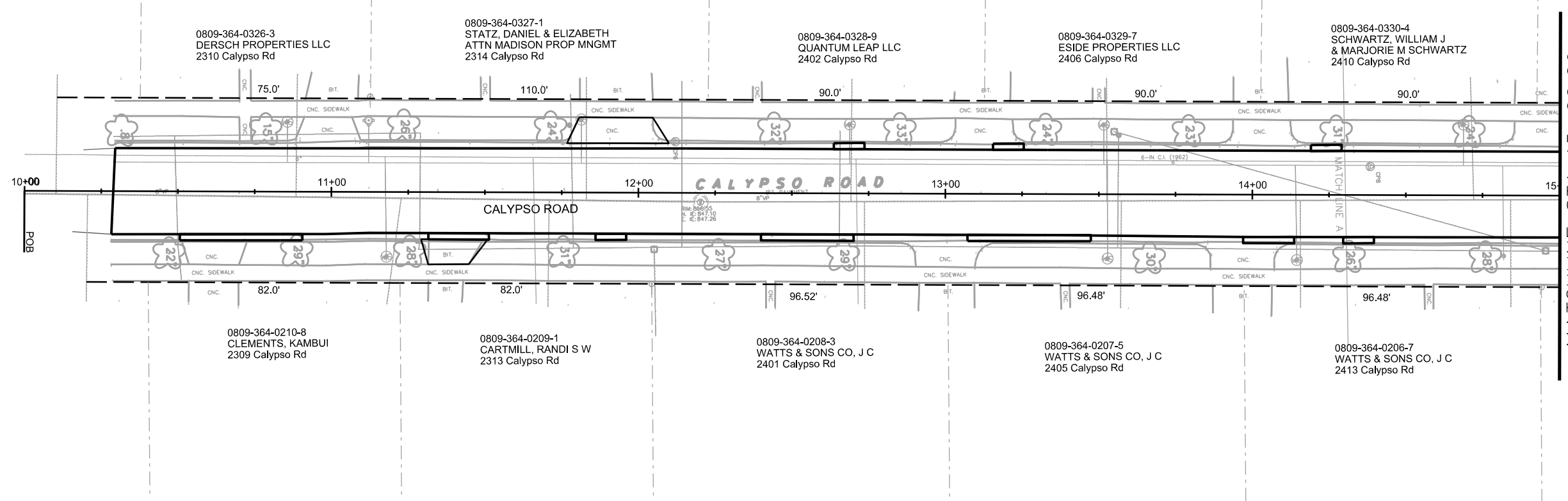
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLAN AND PROFILE

CALYPSO ROAD

CITY OF MADISON

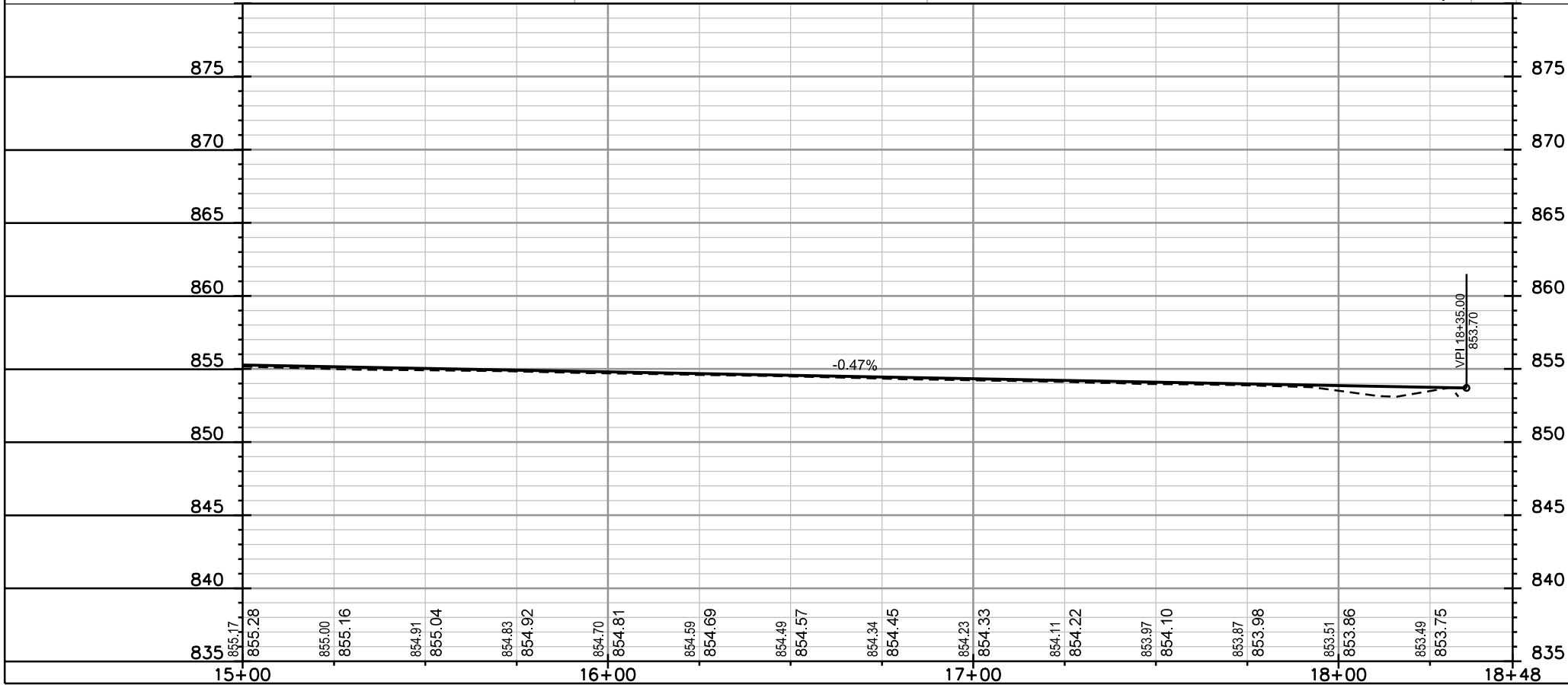
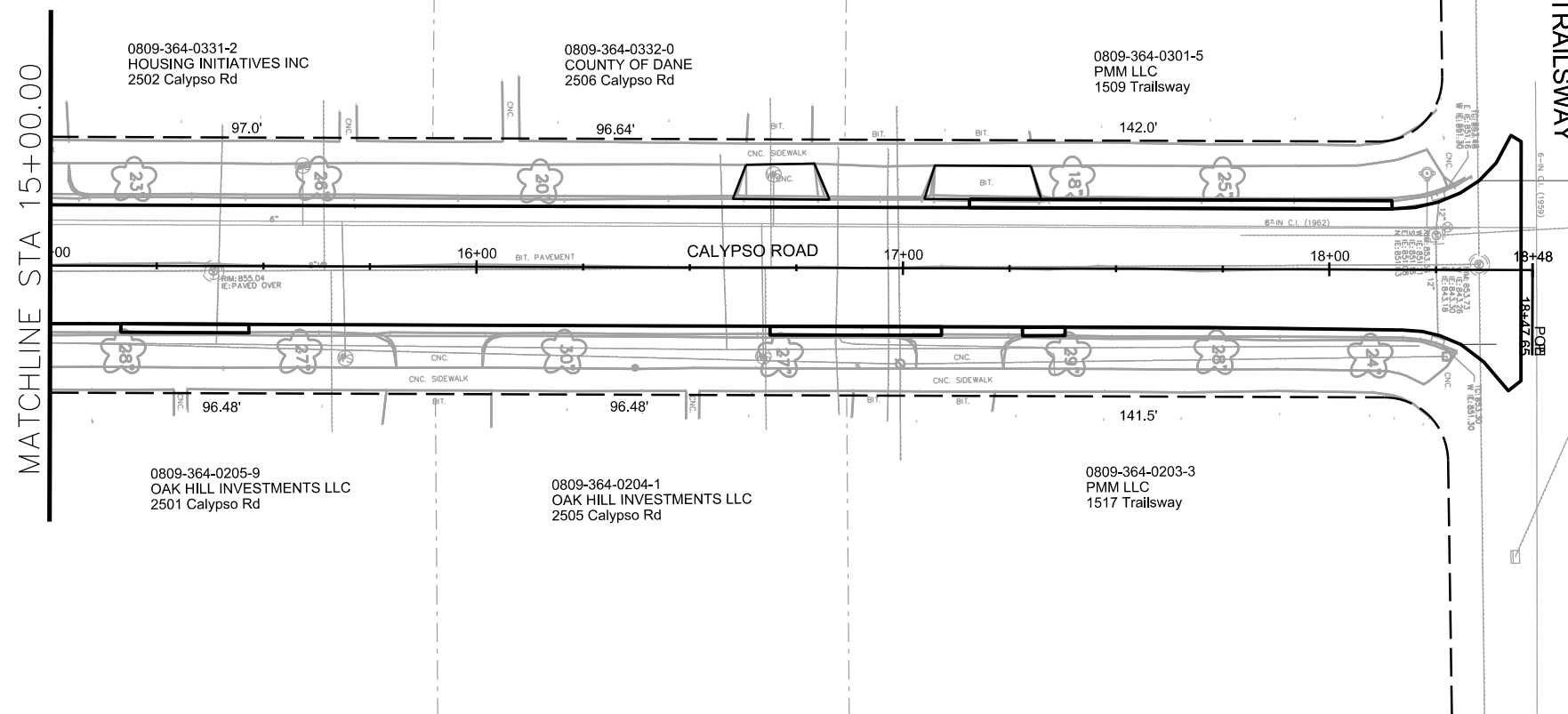


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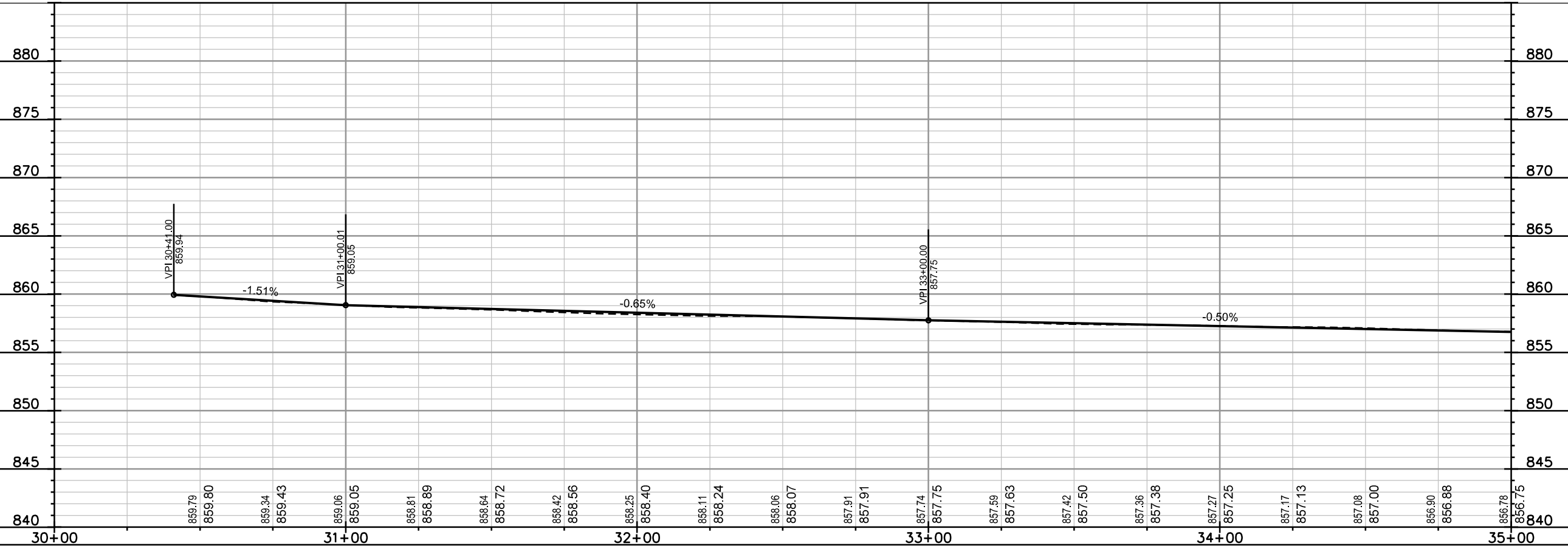
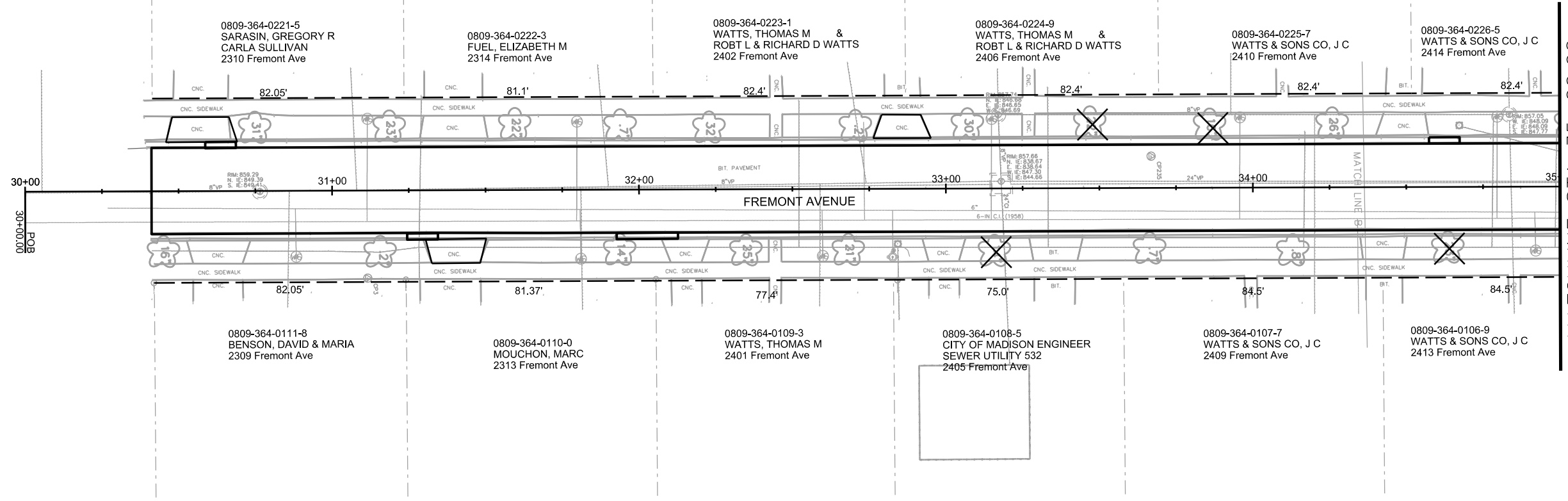


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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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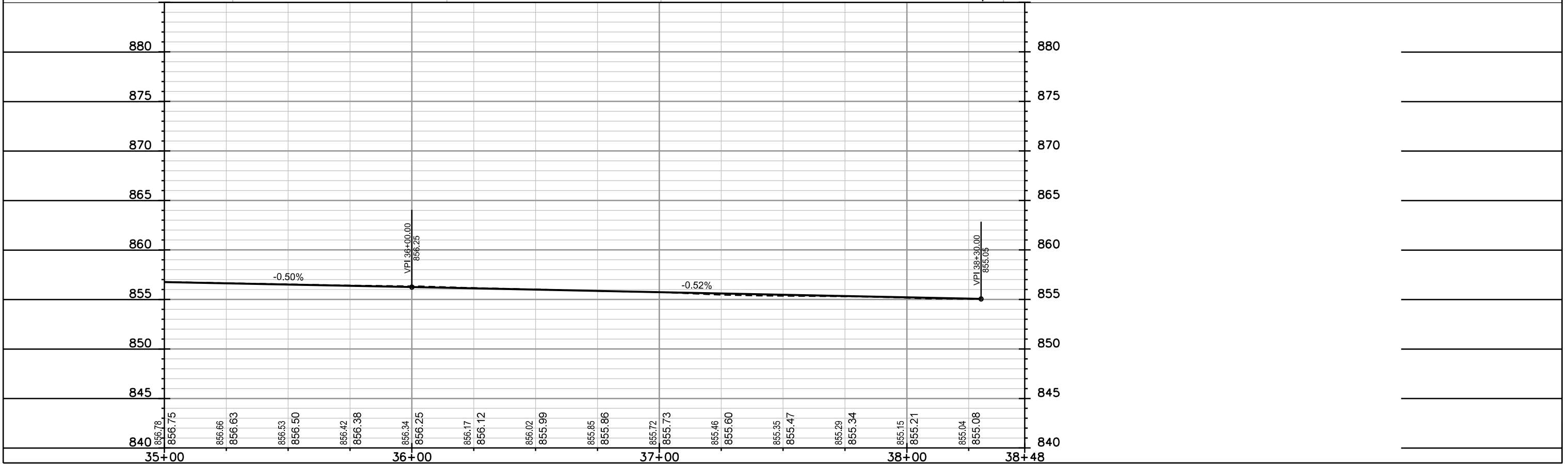
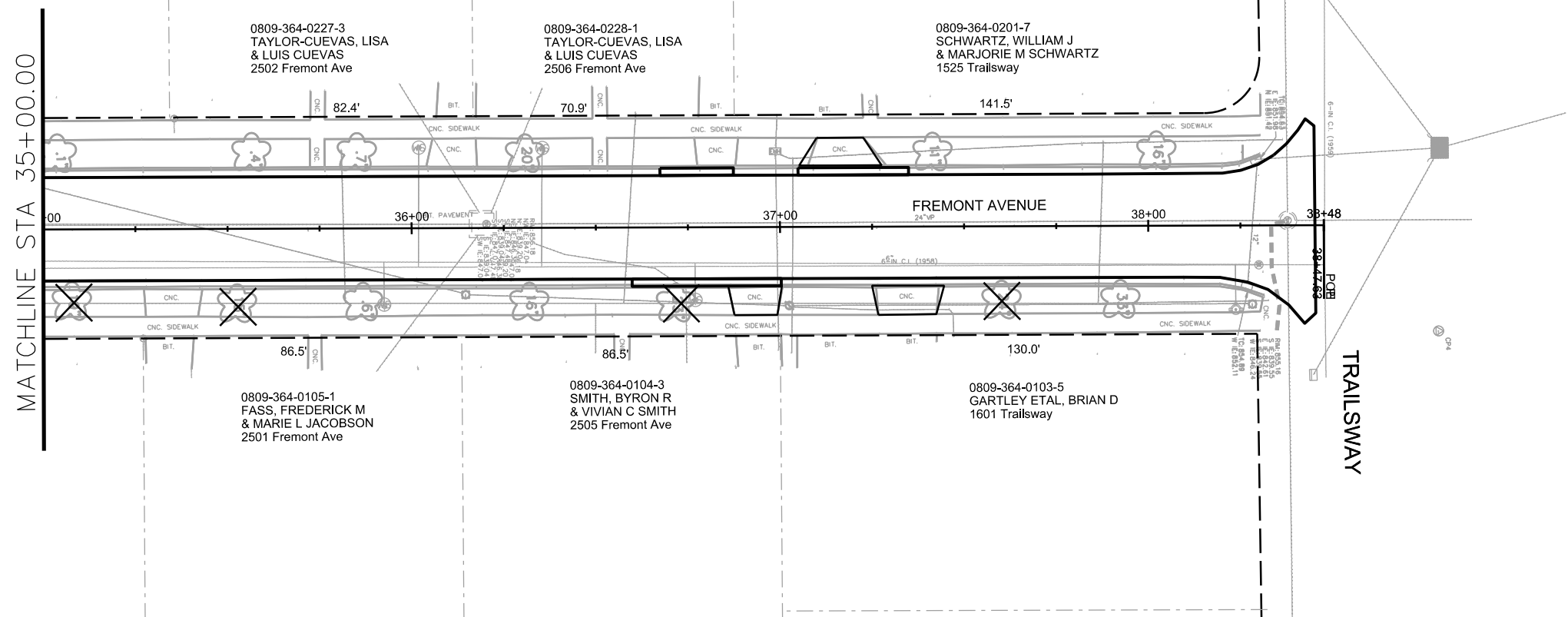
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DATE: _____

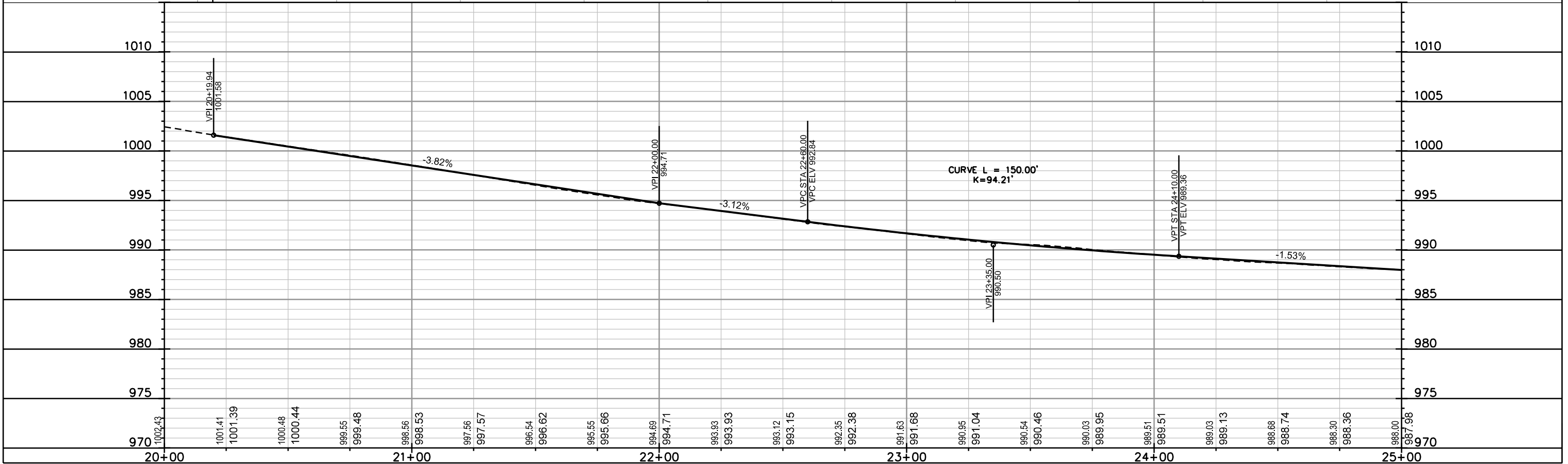
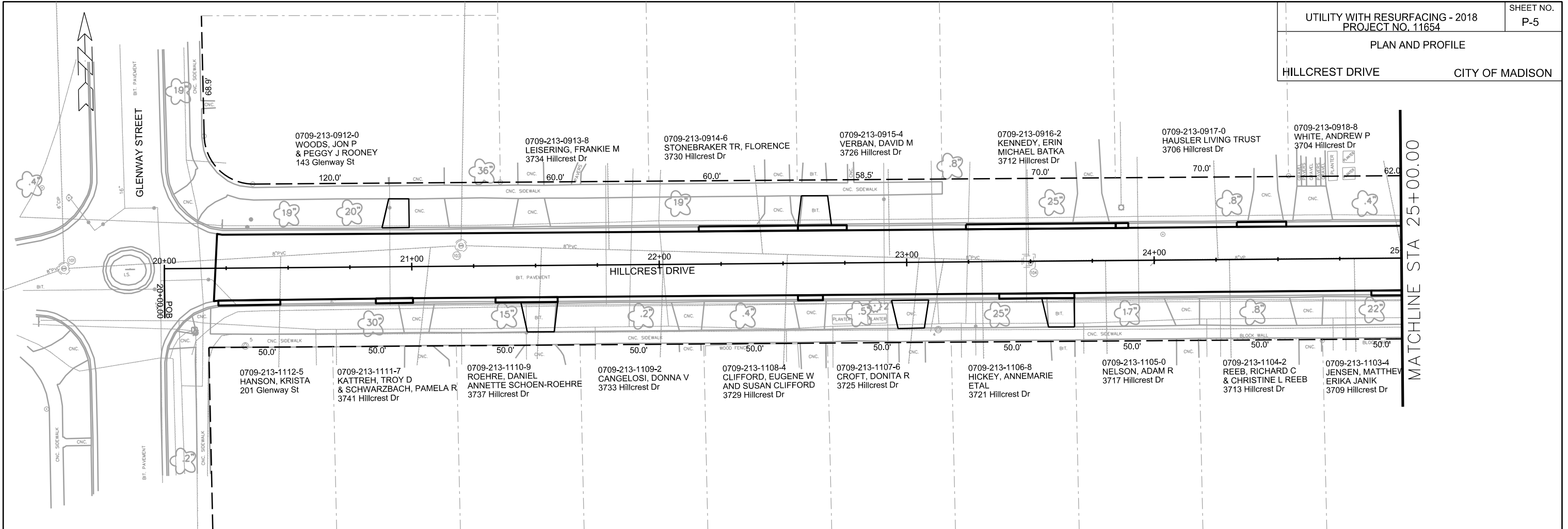


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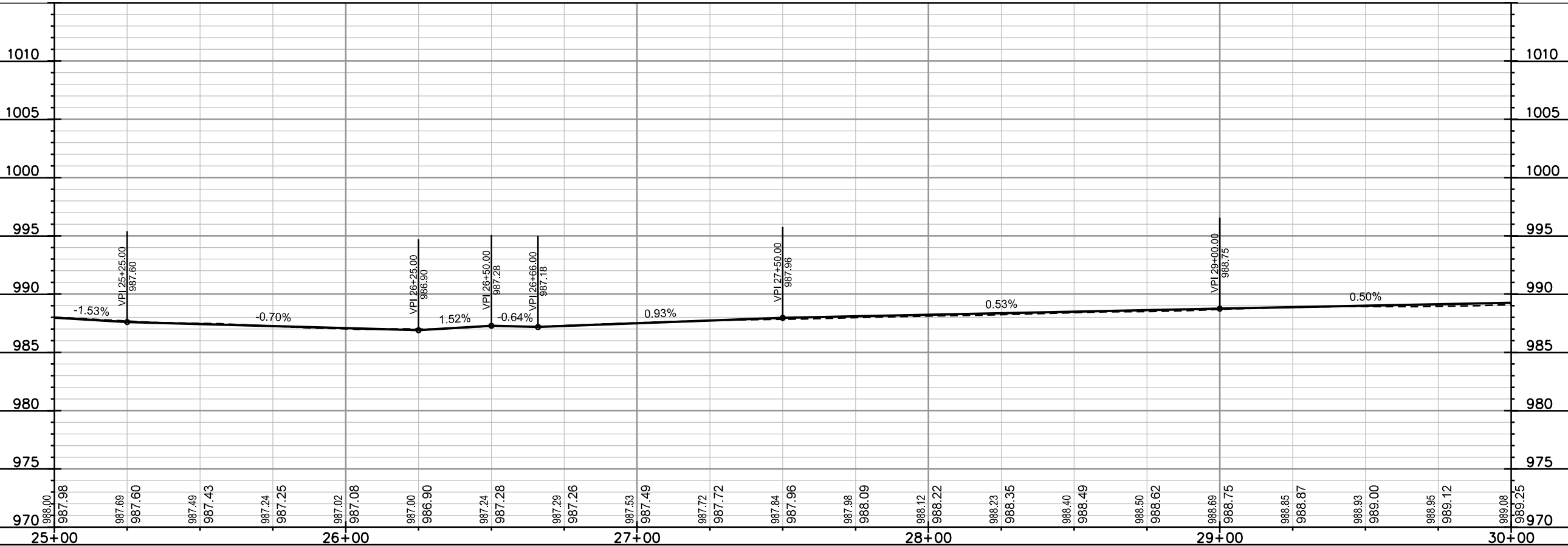
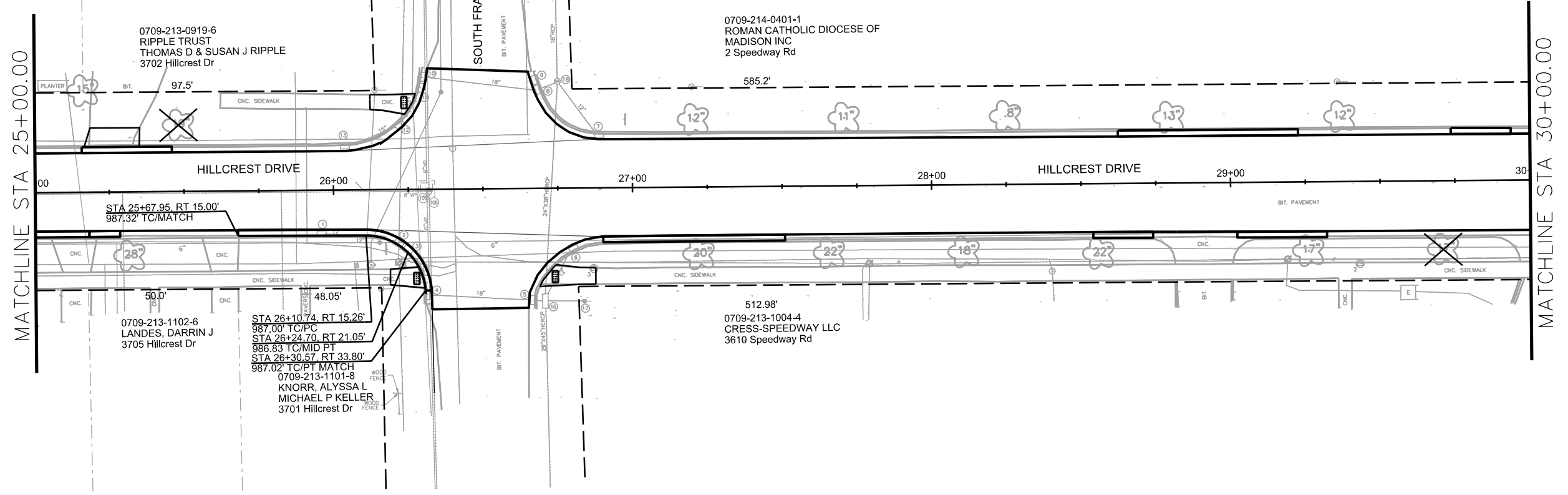


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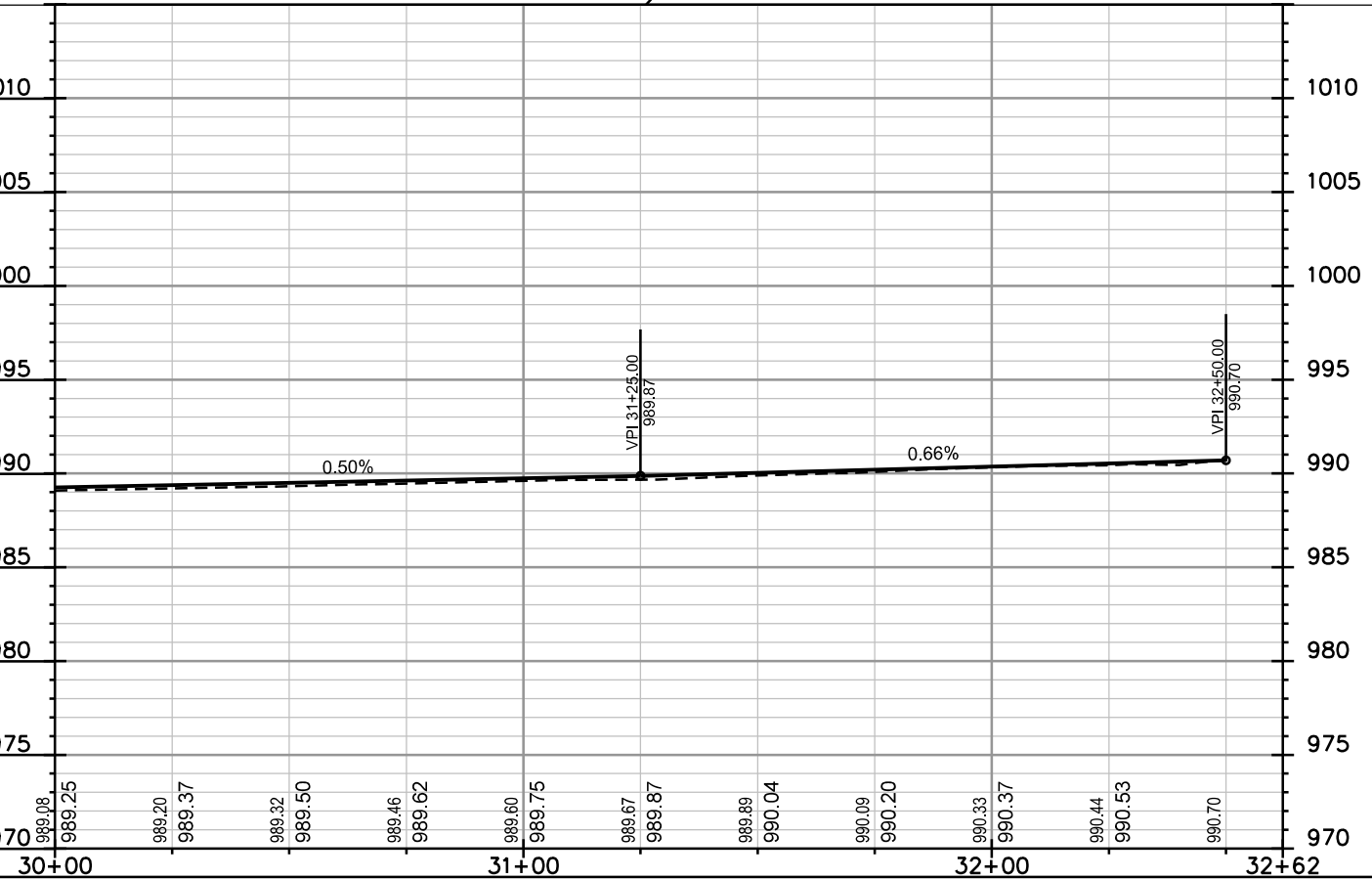
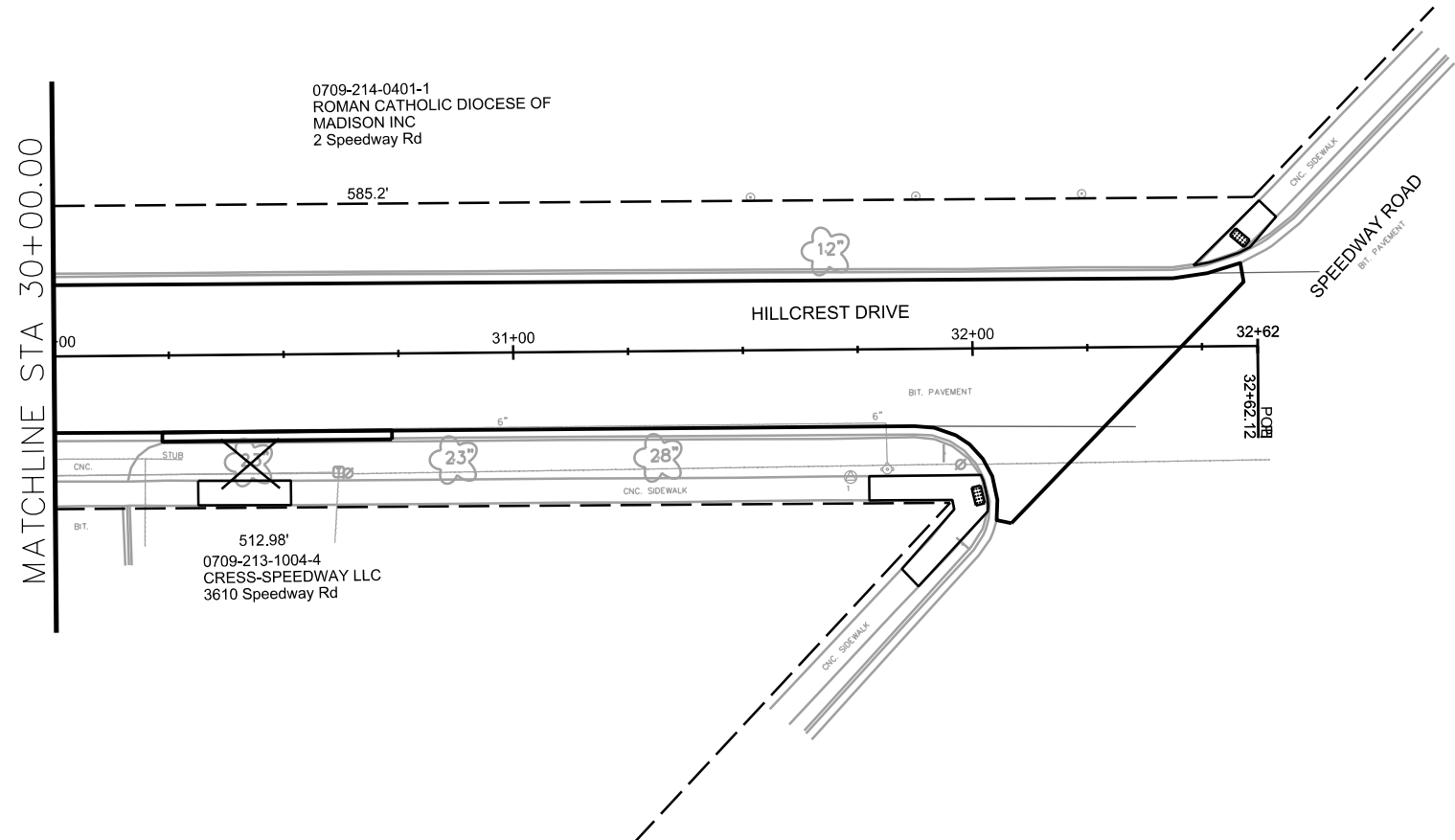
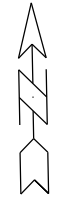


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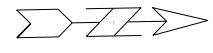


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0809-364-0326-3 DERSCH PROPERTIES LLC 2310 Calypso Rd

0809-364-0327-1 STATZ, DANIEL & ELIZABETH ATTN MADISON PROP MNGMT 2314 Calypso Rd

0809-364-0328-9 QUANTUM LEAP LLC 2402 Calypso Rd

0809-364-0329-7 ESIDE PROPERTIES LLC 2406 Calypso Rd

0809-364-0330-4 SCHWARTZ, WILLIAM J & MARJORIE M SCHWARTZ 2410 Calypso Rd

0809-364-0210-8 CLEMENTS, KAMBUI 2309 Calypso Rd

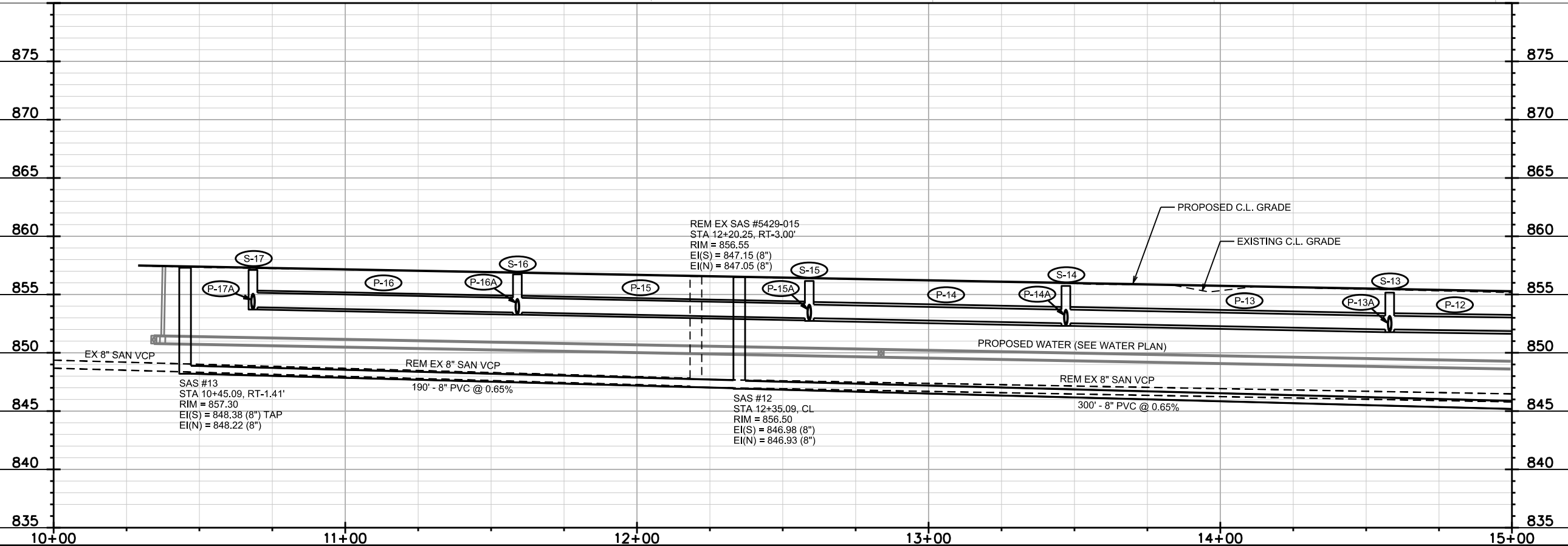
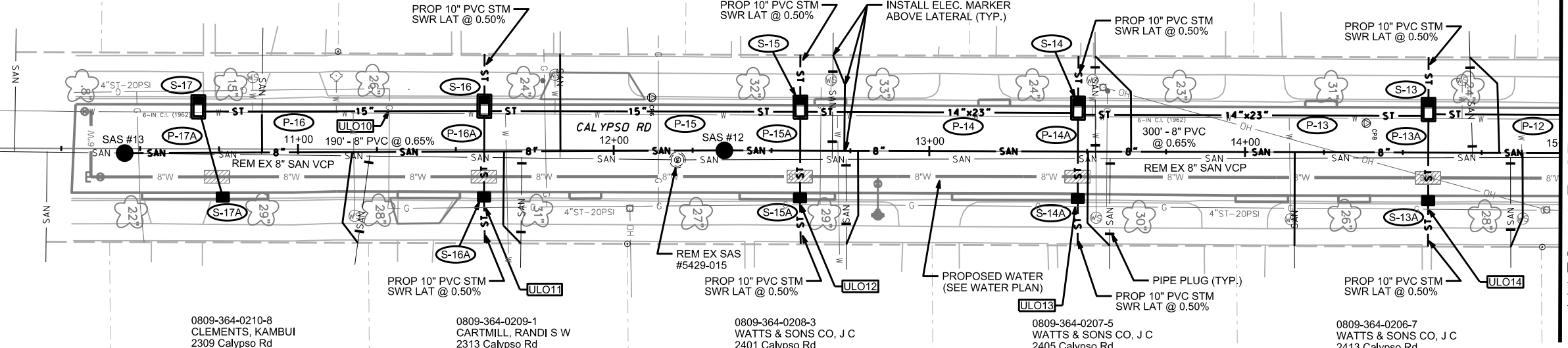
0809-364-0209-1 CARTMILL, RANDI S W 2313 Calypso Rd

0809-364-0208-3 WATTS & SONS CO, J C 2401 Calypso Rd

0809-364-0207-5 WATTS & SONS CO, J C 2405 Calypso Rd

0809-364-0206-7 WATTS & SONS CO, J C 2413 Calypso Rd

CONTRACTOR SHALL REM & REP SIDEWALK & CURB AS NEEDED FOR LATERALS (MAX. OF 4 SW SQUARES & 20 FEET OF CURB PER LATERAL)

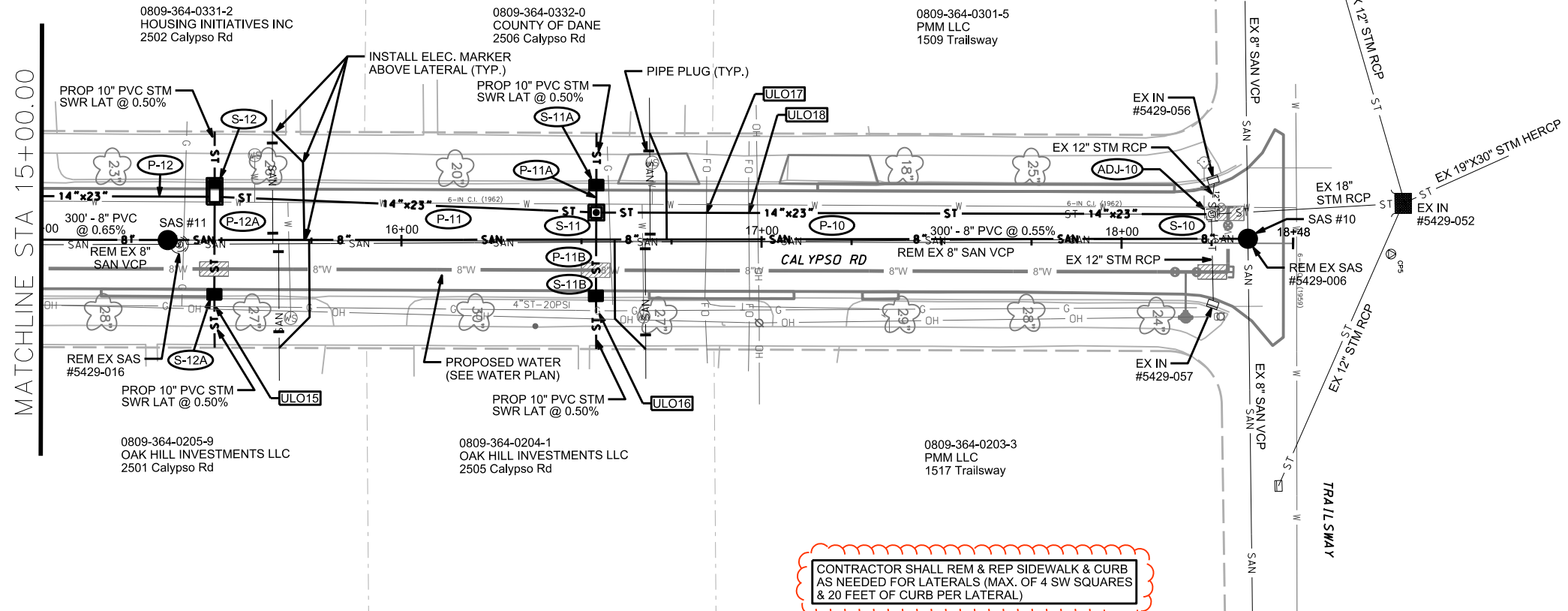
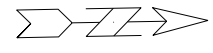


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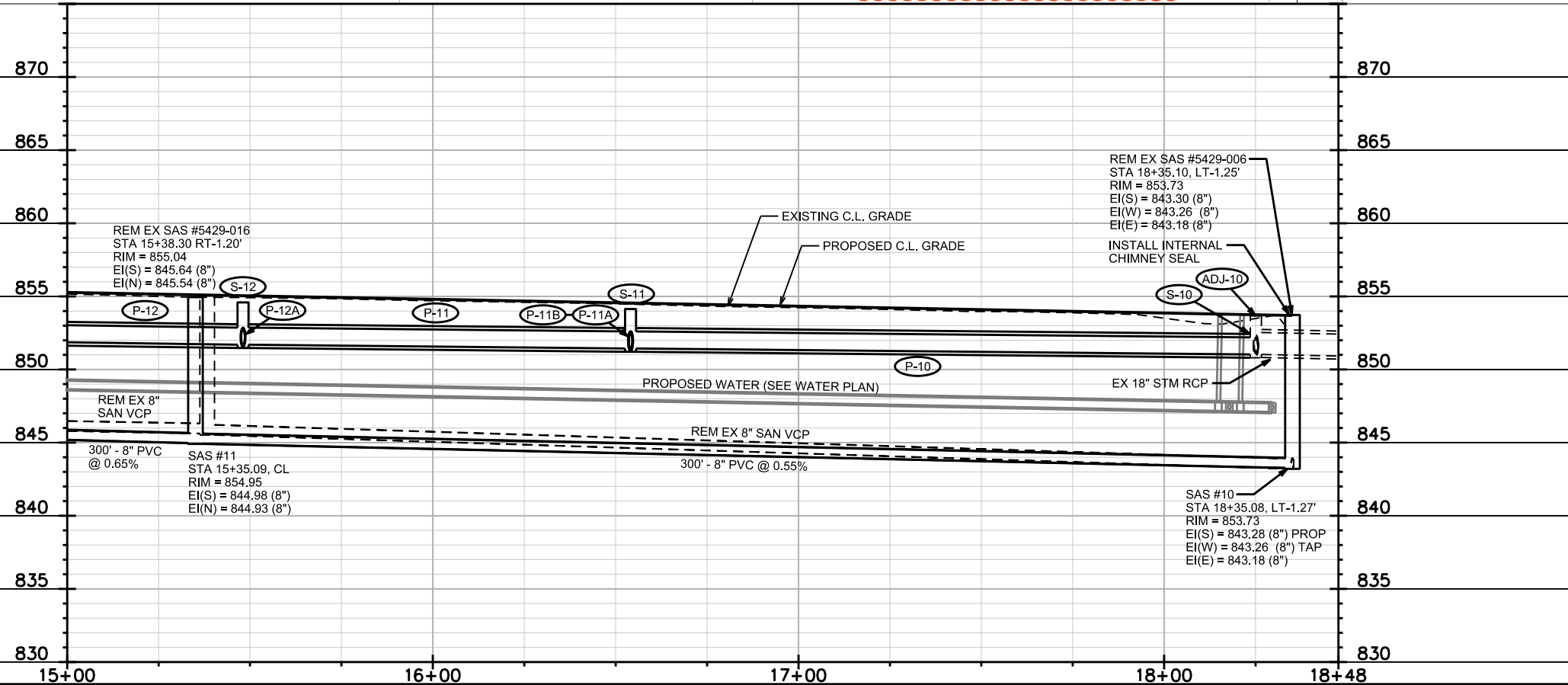
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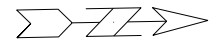
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UTILITY PLAN AND PROFILE

FREMONT AVE CITY OF MADISON

REVISED 3/28/2018 KDF
REVISED 7/19/2018 KDF



0809-364-0221-5
SARASIN, GREGORY R
CARLA SULLIVAN
2310 Fremont Ave

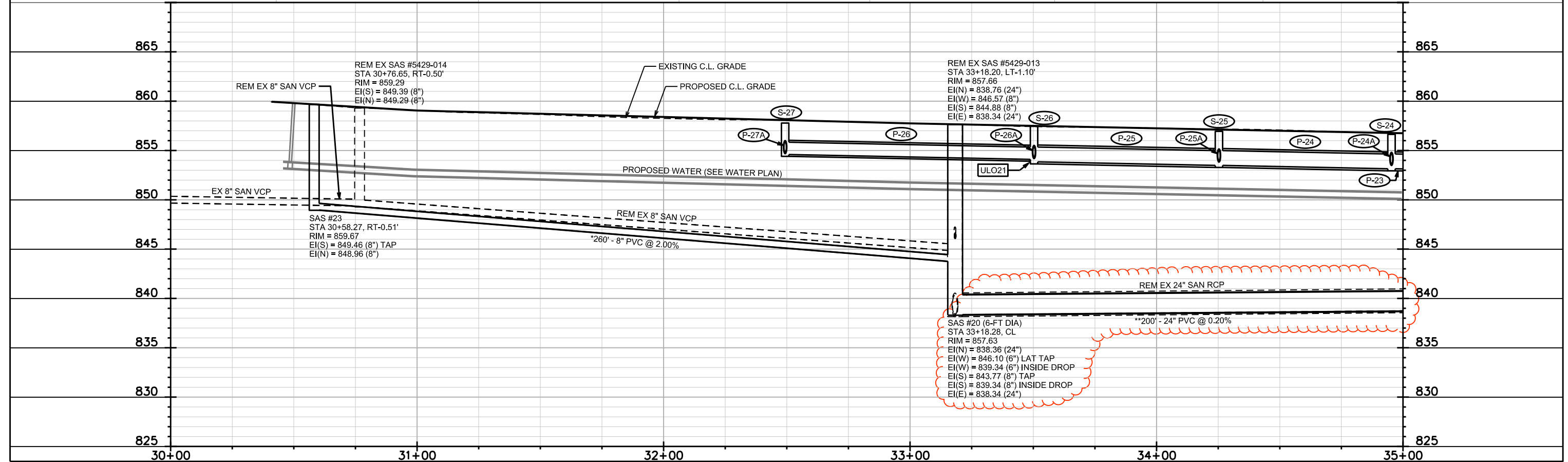
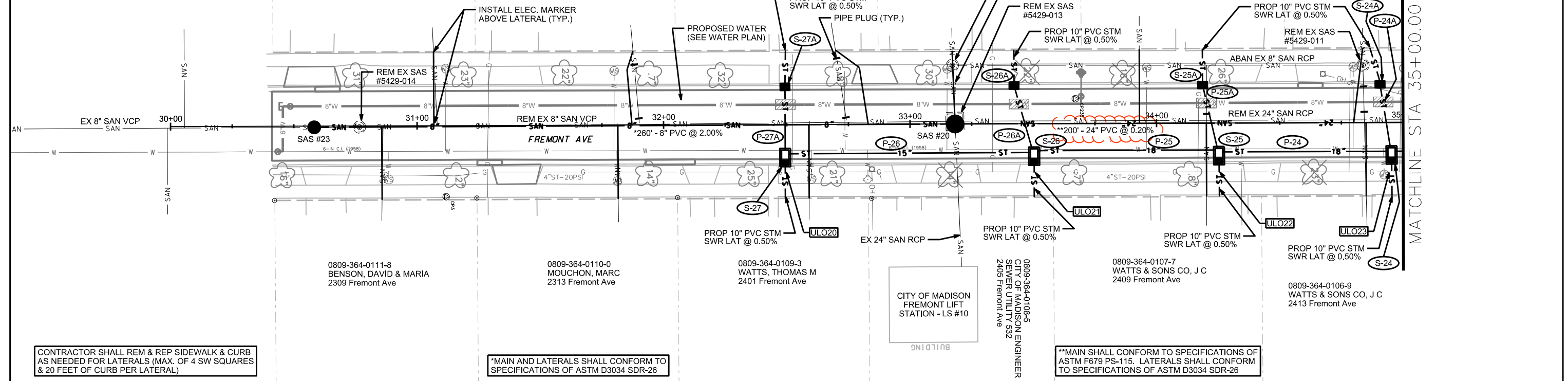
0809-364-0222-3
FUEL, ELIZABETH M
2314 Fremont Ave

0809-364-0223-1
WATTS, THOMAS M &
ROBT L & RICHARD D WATTS
2402 Fremont Ave

0809-364-0224-9
WATTS, THOMAS M &
ROBT L & RICHARD D WATTS
2406 Fremont Ave

0809-364-0225-7
WATTS & SONS CO, J C
2410 Fremont Ave

0809-364-0226-5
WATTS & SONS CO, J C
2414 Fremont Ave

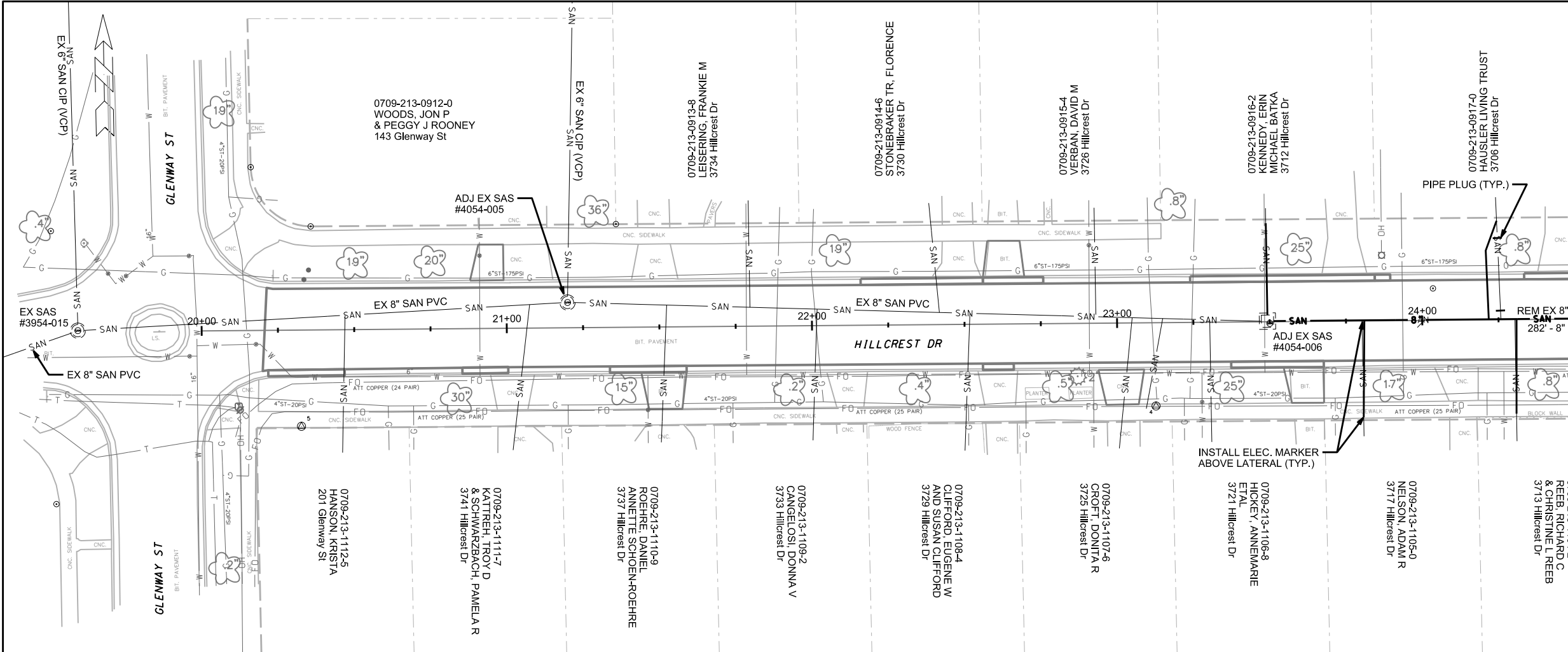


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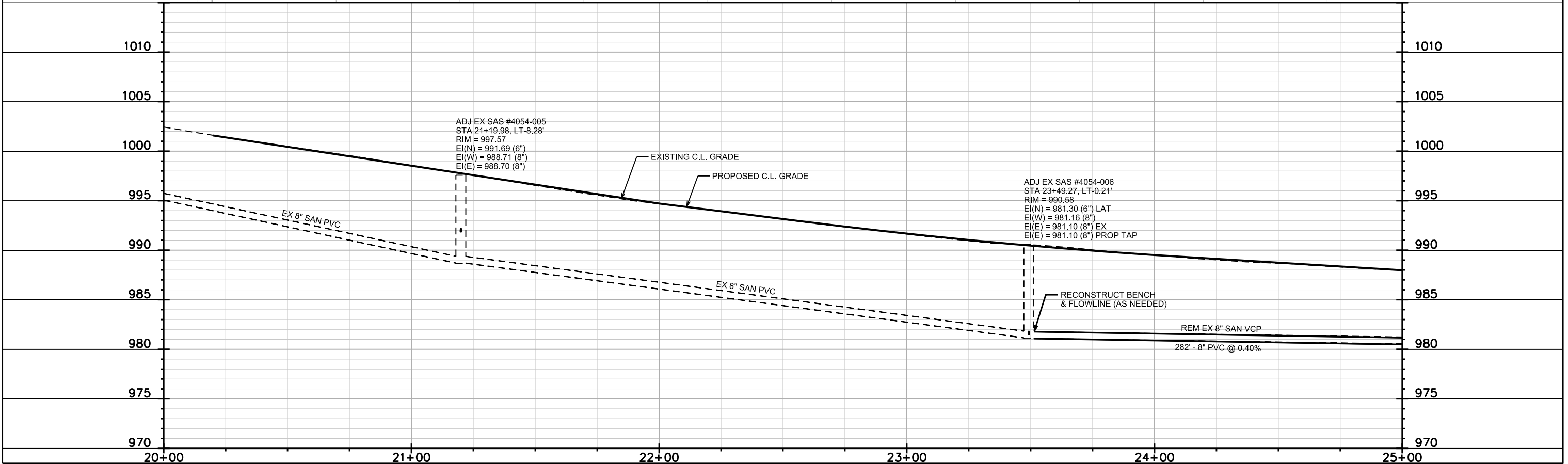
PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



MATCHLINE STA 25+00.00



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

*REVISED 3/28/2018 KDF
**REVISED 7/19/2018 KDF

UTILITY WITH RESURFACING - 2018	SHEET NO.
PROJECT NO. 11654	U-7
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
HILLCREST DR						
SAS #1	26+31.17	LT-0.18	987.01	979.87	7.14	[1]
CALYPSO RD						
SAS #10	18+35.08	LT-1.27	853.73	843.18	10.55	[1]
SAS #11	15+35.09	CL	854.95	844.93	10.02	-
SAS #12	12+35.09	CL	856.50	846.93	9.57	-
SAS #13	10+45.09	RT-1.41	857.30	848.22	9.08	-
FREMONT AVE						
SAS #20	33+18.28	CL	857.63	838.34	19.29	[2], 6-FT DIA SAS, TWO INSIDE DROPS
** SAS #21	35+18.28	CL	856.70	838.76	17.94	5-FT DIA SAS
** SAS #22	36+78.28	LT-1.13	855.79	839.09	16.70	5-FT DIA SAS
* SAS #23	30+58.27	RT-0.51	859.67	848.96	10.71	-

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
HILLCREST DR						
EX SAS #4054-007	26+31.17	LT-0.18	987.00	979.87	7.13	-
CALYPSO RD						
EX SAS #5429-006	18+35.10	LT-1.25	853.73	843.18	10.55	-
EX SAS #5429-015	12+20.25	RT-3.00	856.55	847.05	9.50	-
EX SAS #5429-016	15+38.30	RT-1.20	855.04	845.54	9.50	-
FREMONT AVE						
EX SAS #5429-010	36+19.30	LT-1.05	856.18	839.28	16.90	6'X6' BOX
EX SAS #5429-011	34+83.85	LT-23.25	857.05	847.85	9.20	-
EX SAS #5429-012	33+17.25	LT-23.75	857.74	846.65	11.09	-
EX SAS #5429-013	33+18.20	LT-1.10	857.66	838.34	19.32	-
EX SAS #5429-014	30+76.65	RT-0.50	859.29	849.29	10.00	6'X6' BOX

UTILITY LINE OPENINGS (ULOs) [4]

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
CALYPSO RD					
** ULO10	12+13.50	LT-11.95	6" ST GAS	852.52	[5]
ULO11	11+59.05	RT-18.35	GAS	-	-
ULO12	12+59.10	RT-17.15	GAS	-	-
** ULO13	13+47.80	RT-22.50	6" ST GAS	852.02	[5]
ULO14	14+58.10	RT-18.00	GAS	-	-
** ULO15	15+48.20	RT-22.40	6" ST GAS	851.46	[5]
** ULO16	16+58.50	RT-21.60	6" ST GAS	851.26	[5]
** ULO 17	16+84.40	LT-7.90	3" FO	851.19	OK
** ULO18	16+96.40	LT-8.10	3" FO	850.80	OK

[3] FIVE (5) ADDITIONAL UNDISTRIBUTED ULOS INCLUDED IN CONTRACT

SPECIFIC NOTES

- [1] INSTALL INTERNAL CHIMNEY SEAL PER S.D.D. 5.7.17
- [2] CONSTRUCT INSIDE DROP PER S.D.D. 5.7.30
- [3] PIPE PLUGS SHALL BE CONSIDERED INCIDENTAL TO ABANDONMENT
- [4] FIVE (5) ADDITIONAL UNDISTRIBUTED ULOS INCLUDED IN CONTRACT
- [5] UTILITY TO BE RELOCATED, CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITY OWNERS

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
HILLCREST DR								
SAS #1	EX SAS #4054-006	979.97	981.10	282	0.40%	8"	SDR-35	-
CALYPSO RD								
SAS #10	SAS #11	843.28	844.93	300	0.55%	8"	SDR-35	-
SAS #11	SAS #12	844.98	846.93	300	0.65%	8"	SDR-35	-
SAS #12	SAS #13	846.98	848.22	190	0.65%	8"	SDR-35	-
FREMONT AVE								
** SAS #20	SAS #21	838.36	838.76	200	0.20%	24"	PS-115	-
SAS #20	SAS #23	843.77	848.96	260	2.00%	8"	SDR-26	[2]
** SAS #21	SAS #22	838.78	839.09	160	0.20%	24"	PS-115	-

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
HILLCREST DR						
EX SAS #4054-007	EX SAS #4054-006	282	8"	VCP	N	-
CALYPSO RD						
EX SAS #5429-006	EX SAS #5429-016	297	8"	VCP	N	-
EX SAS #5429-016	EX SAS #5429-015	318	8"	VCP	N	-
EX SAS #5429-015	SAS #13	177	8"	VCP	N	-
FREMONT AVE						
EX SAS #5429-013	EX SAS #5429-010	301	24"	RCP	N	-
EX SAS #5429-010	SAS #22	60	24"	RCP	N	-
EX SAS #5429-013	EX SAS #5429-014	242	8"	VCP	N	-
EX SAS #5429-014	SAS #23	20	8"	VCP	N	-
EX SAS #5429-013	EX SAS #5429-012	24	8"	VCP	N	-

SANITARY PIPE ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
FREMONT AVE						
EX SAS #5429-012	EX SAS #5429-011	163	8"	VCP	N	[3]

UTILITY LINE OPENINGS (ULOs)

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
FREMONT AVE					
ULO20	32+49.35	RT-19.24	GAS	-	-
** ULO21	33+48.60	RT-20.00	6" ST GAS	853.84	[5]
ULO22	34+25.35	RT-19.80	GAS	-	-
ULO23	34+95.35	RT-20.05	GAS	-	-
** ULO24	35+75.80	RT-20.40	6" ST GAS	853.20	[5]
ULO25	36+67.40	RT-20.60	GAS	-	-
** ULO26	37+00.30	RT-11.10	3" TELE	852.08	CONFLICT, [5]
** ULO27	37+03.50	RT-10.90	3" TELE	852.61	CONFLICT, [5]

STORM SEWER SCHEDULE

*REVISED 7/19/2018 KDF

UTILITY WITH RESURFACING - 2018	SHEET NO.
PROJECT NO. 11654	U-8
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
CALYPSO RD							
S-10	18+25.08	LT-8.06	TAP	-	851.03	-	-
S-11	16+54.08	LT-8.00	3X3 SAS	854.14	851.44	2.70	FP, W/R-1550-0054
S-11A	16+54.08	LT-15.62	H INLET	854.18	851.49	2.69	[1], W/R-3067-7004-V
S-11B	16+54.07	RT-15.12	H INLET	854.24	851.54	2.70	[1], W/R-3067-7004-V
* S-12	15+48.08	LT-13.56	3X6 SAS	854.59	851.70	2.89	[1], [5], FP
S-12A	15+48.08	RT-15.03	H INLET	854.77	851.82	2.95	[1], W/R-3067-7004-V
* S-13	14+58.08	LT-13.63	3X6 SAS	855.16	852.00	3.16	[1], [5], FP
S-13A	14+58.08	RT-15.20	H INLET	855.22	852.12	3.10	[1], W/R-3067-7004-V
* S-14	13+47.07	LT-13.73	3X6 SAS	855.74	852.54	3.20	[1], [5], FP
S-14A	13+47.08	RT-14.85	H INLET	855.79	852.66	3.13	[1], W/R-3067-7004-V
* S-15	12+59.09	LT-13.79	3X6 SAS	856.16	852.97	3.19	[1], [5], FP
S-15A	12+59.08	RT-14.95	H INLET	856.18	853.09	3.09	[1], W/R-3067-7004-V
* S-16	11+59.00	LT-13.76	3X6 SAS	856.73	853.46	3.27	[1], [5], FP
S-16A	11+58.99	RT-14.95	H INLET	856.63	853.58	3.05	[1], W/R-3067-7004-V
* S-17	10+68.37	LT-13.31	3X6 SAS	857.11	853.90	3.21	[5], FP
S-17A	10+76.20	RT-15.26	H INLET	857.01	854.03	2.98	W/R-3067-7004-V

FREMONT AVE

S-20	38+29.20	LT-17.95	TAP	-	851.42	-	-
S-21	38+27.82	RT-5.00	3X3 SAS	854.85	851.52	3.33	[2], FP, W/R-1550-0054
* S-22	36+67.30	RT-13.50	3X6 SAS	855.78	852.31	3.47	[1], [5], FP
S-22A	36+61.70	LT-15.45	H INLET	855.73	852.94	2.79	[1], W/R-3067-7004-V
* S-23	35+77.32	RT-13.18	3X6 SAS	856.17	852.75	3.42	[1], [5], FP
S-23A	35+69.21	LT-15.56	H INLET	856.18	853.38	2.80	[1], W/R-3067-7004-V
* S-24	34+95.32	RT-13.16	3X6 SAS	856.63	853.15	3.48	[1], [5], FP
S-24A	34+90.71	LT-15.48	H INLET	856.57	853.78	2.79	[1], W/R-3067-7004-V
* S-25	34+25.32	RT-13.19	3X6 SAS	856.94	853.49	3.45	[1], [5], FP
S-25A	34+18.74	LT-15.43	H INLET	856.91	854.12	2.79	[1], W/R-3067-7004-V
* S-26	33+50.31	RT-13.15	3X6 SAS	857.45	853.85	3.60	[1], [5], FP
S-26A	33+42.24	LT-15.45	H INLET	857.34	854.48	2.86	[1], W/R-3067-7004-V
* S-27	32+49.32	RT-13.39	3X6 SAS	857.78	854.59	3.19	[1], [5], FP
S-27A	32+49.31	LT-15.26	H INLET	857.76	854.96	2.80	[1], W/R-3067-7004-V

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	I.D. NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
HILLCREST DR							
ADJ-1	IN #4054-013	25+95.90	RT-14.55	987.02	987.02	0.00	[4]
ADJ-2	IN #4054-014	26+24.75	RT-20.20	986.83	986.83	0.00	[4], TWO CASTINGS
ADJ-3	IN #4054-015	RT-2631.10	RT-35.30	987.02	987.02	0.00	[4]
CALYPSO RD							
ADJ-10	AS #5429-053	18+25.10	LT-8.05	853.66	853.65	-0.01	-

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
CALYPSO RD										
P-10	S-10	S-11	851.03	851.44	171	168	0.25%	14"X23"	HERCP	-
P-11	S-11	S-12	851.44	851.70	106	103.1	0.25%	14"X23"	HERCP	-
P-11A	S-11	S-11A	851.44	851.49	7.5	5.1	1.00%	12"	RCP	-
P-11B	S-11	S-11B	851.44	851.54	23	20.6	0.50%	12"	RCP	-
P-12	S-12	S-13	851.70	852.00	90	87	0.35%	14"X23"	HERCP	[3]
P-12A	S-12	S-12A	851.70	851.82	28.5	24.6	0.50%	12"	RCP	-
P-13	S-13	S-14	852.00	852.54	111	108	0.50%	14"X23"	HERCP	[3]
P-13A	S-13	S-13A	852.00	852.12	29	24.8	0.50%	12"	RCP	-
P-14	S-14	S-15	852.54	852.97	88	85	0.50%	14"X23"	HERCP	[3]
P-14A	S-14	S-14A	852.54	852.66	28.5	24.6	0.50%	12"	RCP	-
P-15	S-15	S-16	852.97	853.46	100	97.1	0.50%	15"	RCP	[3]
P-15A	S-15	S-15A	852.97	853.09	29	24.7	0.50%	12"	RCP	-
P-16	S-16	S-17	853.46	853.90	90.5	87.6	0.50%	15"	RCP	[3]
P-16A	S-16	S-16A	853.46	853.58	29	24.7	0.50%	12"	RCP	-
P-17A	S-17	S-17A	853.90	854.03	29.5	25.5	0.50%	12"	RCP	-

FREMONT AVE

P-20	S-20	S-21	851.42	851.52	23	20.3	0.50%	18"	RCP	-
P-21	S-21	S-22	851.52	852.31	161	157.7	0.50%	18"	RCP	-
P-22	S-22	S-23	852.31	852.75	90	87	0.50%	18"	RCP	[3]
P-22A	S-22	S-22A	852.81	852.94	29.5	25.4	0.50%	12"	RCP	-
P-23	S-23	S-24	852.75	853.15	82	79	0.50%	18"	RCP	[3]
P-23A	S-23	S-23A	853.25	853.38	30	25.7	0.50%	12"	RCP	-
P-24	S-24	S-25	853.15	853.49	70	67	0.50%	18"	RCP	[3]
P-24A	S-24	S-24A	853.65	853.78	29	25	0.50%	12"	RCP	-
P-25	S-25	S-26	853.49	853.85	75	72	0.50%	18"	RCP	[3]
P-25A	S-25	S-25A	853.99	854.12	29.5	25.3	0.50%	12"	RCP	-
P-26	S-26	S-27	854.10	854.59	101	98	0.50%	15"	RCP	[3]
P-26A	S-26	S-26A	854.35	854.48	30	25.6	0.50%	12"	RCP	-
P-27A	S-27	S-27A	854.84	854.96	28.5	24.6	0.50%	12"	RCP	-

REMOVE STORM PIPES

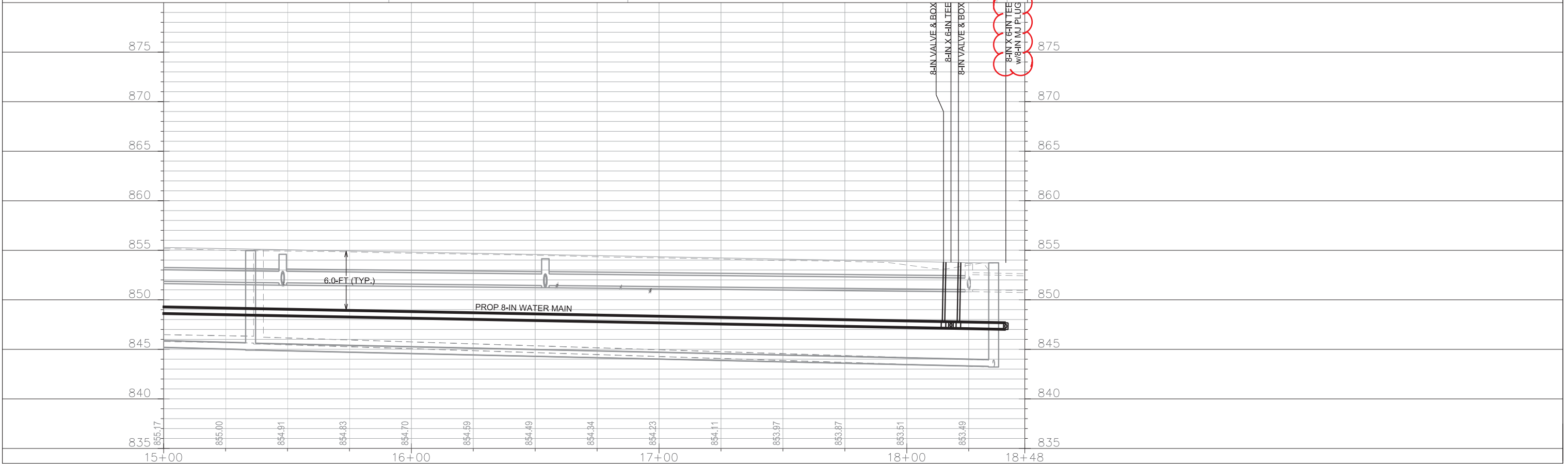
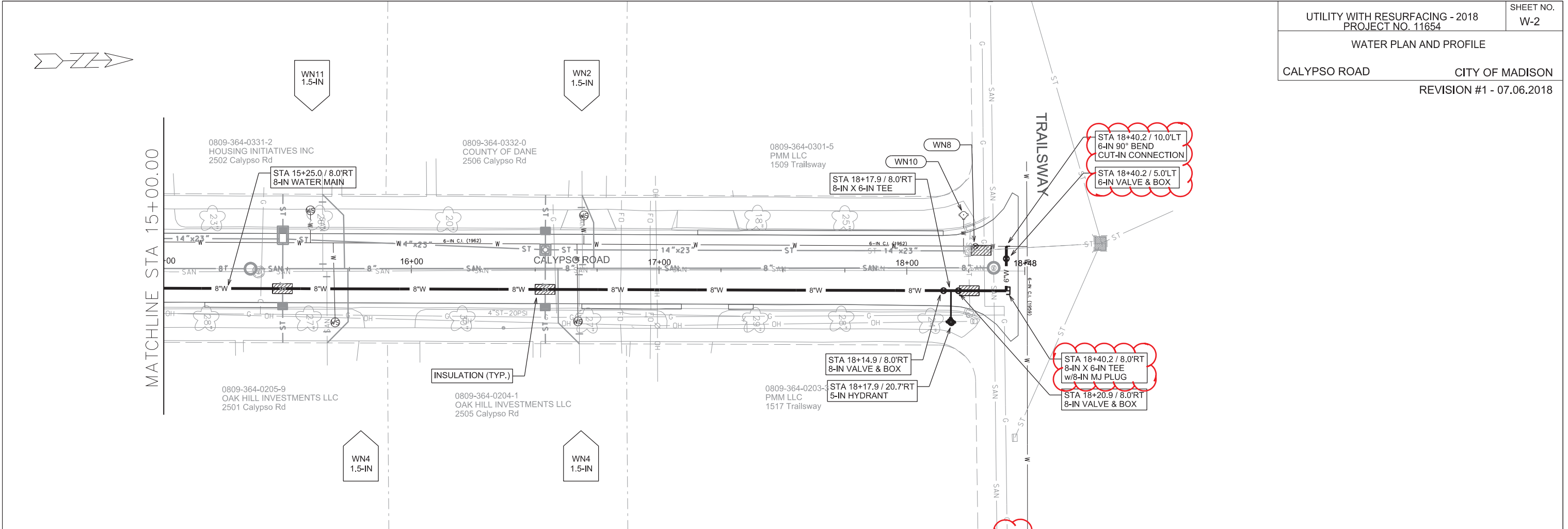
REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
FREMONT AVE							
RP-20	S-20	S-21	24	12"	RCP	N	-

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO 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.
- 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.
- 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.
- 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 CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR APPROVALS. FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

SPECIFIC NOTES

- [1] EXTEND PRIVATE STORM SEWER LATERAL FROM STRUCTURE TO PROPERTY LINE
- [2] EXISTING STORM SEWER TO BE CONNECTED TO PROPOSED STRUCTURE
- [3] OFFSET PIPE 1.5' FROM CENTER OF STRUCTURE TOWARDS STREET CENTER
- [4] INLET TO BE REBUILT NOT ADJUSTED; SHALL BE PAID UNDER BID ITEM 40366 - REBUILD INLET - RESURFACING
- * [5] BOTH R-3067-7004-V AND R-1550-0054 SHALL BE INSTALLED ON STRUCTURE. R-1550-0054 SHALL BE OFFSET 1.5' FROM CENTER OF STRUCTURE, AWAY FROM PAVEMENT EDGE

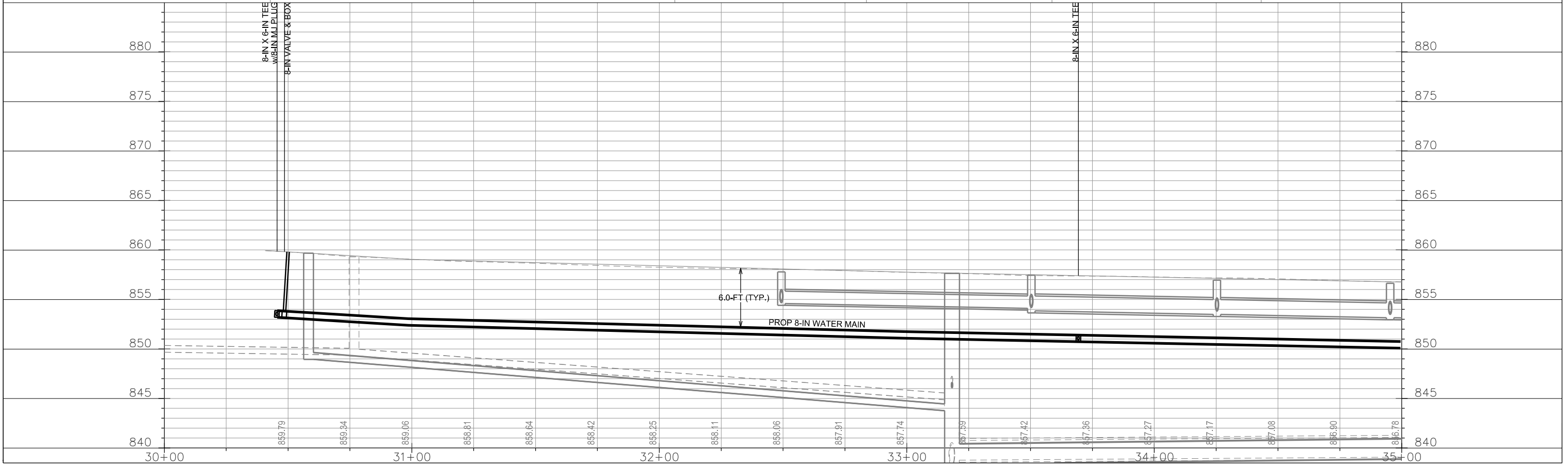
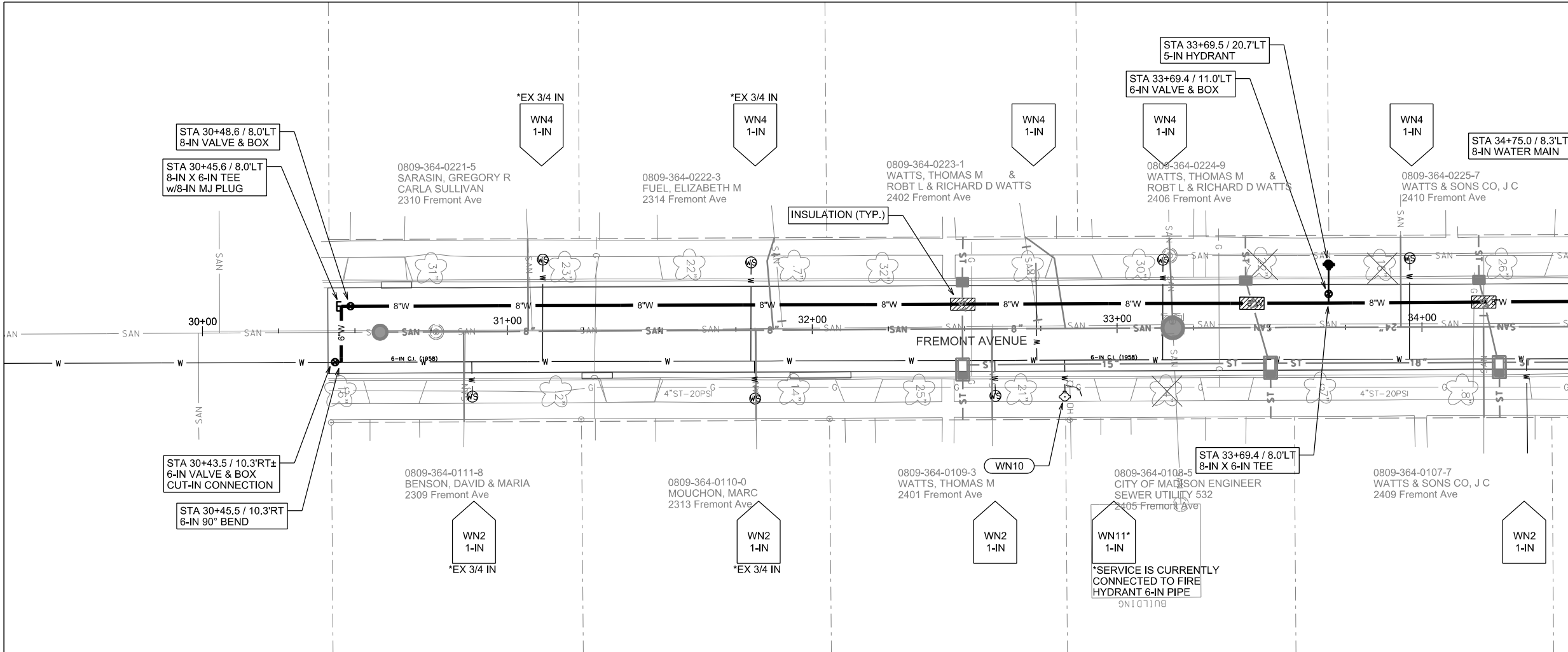


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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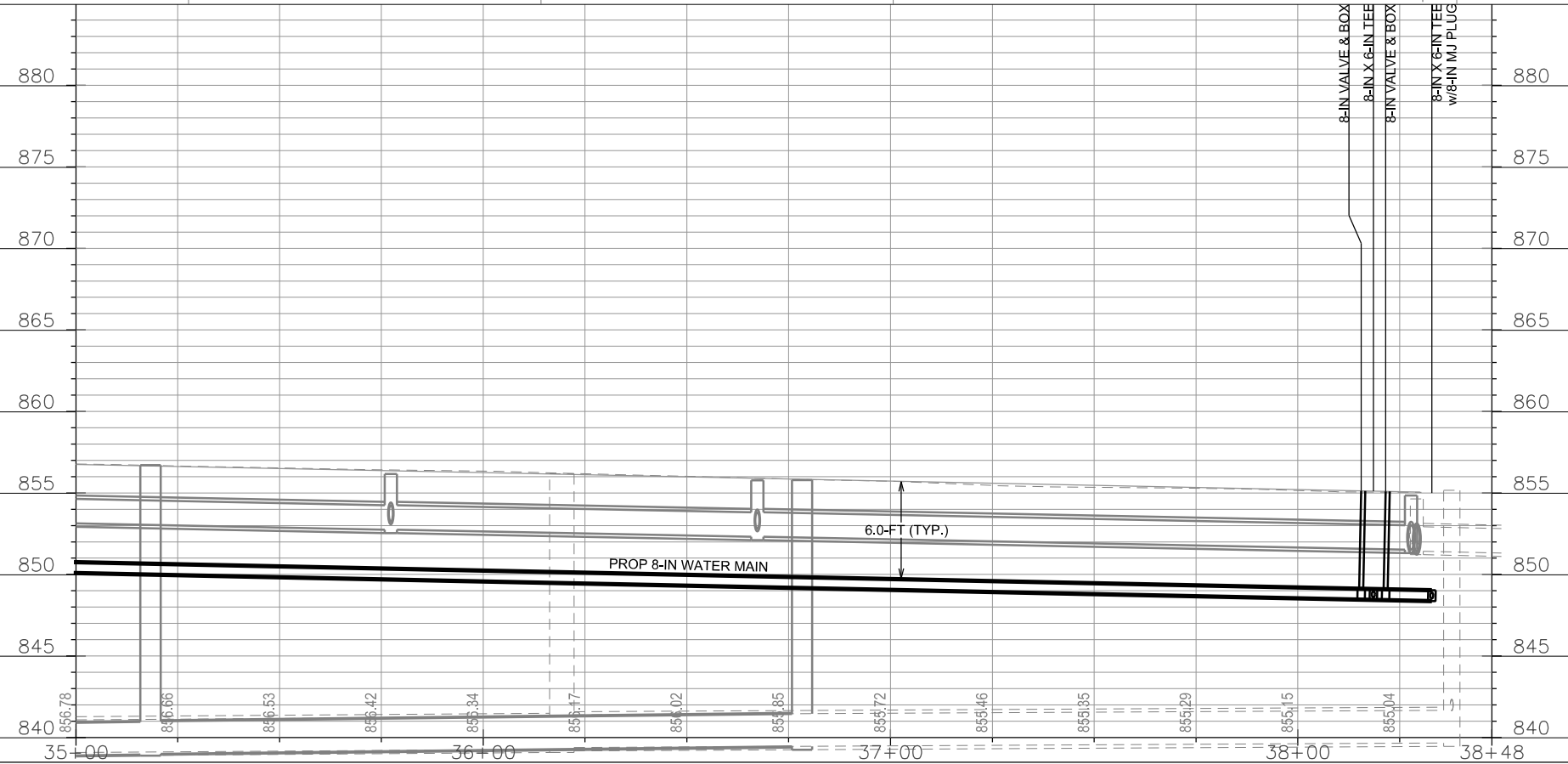
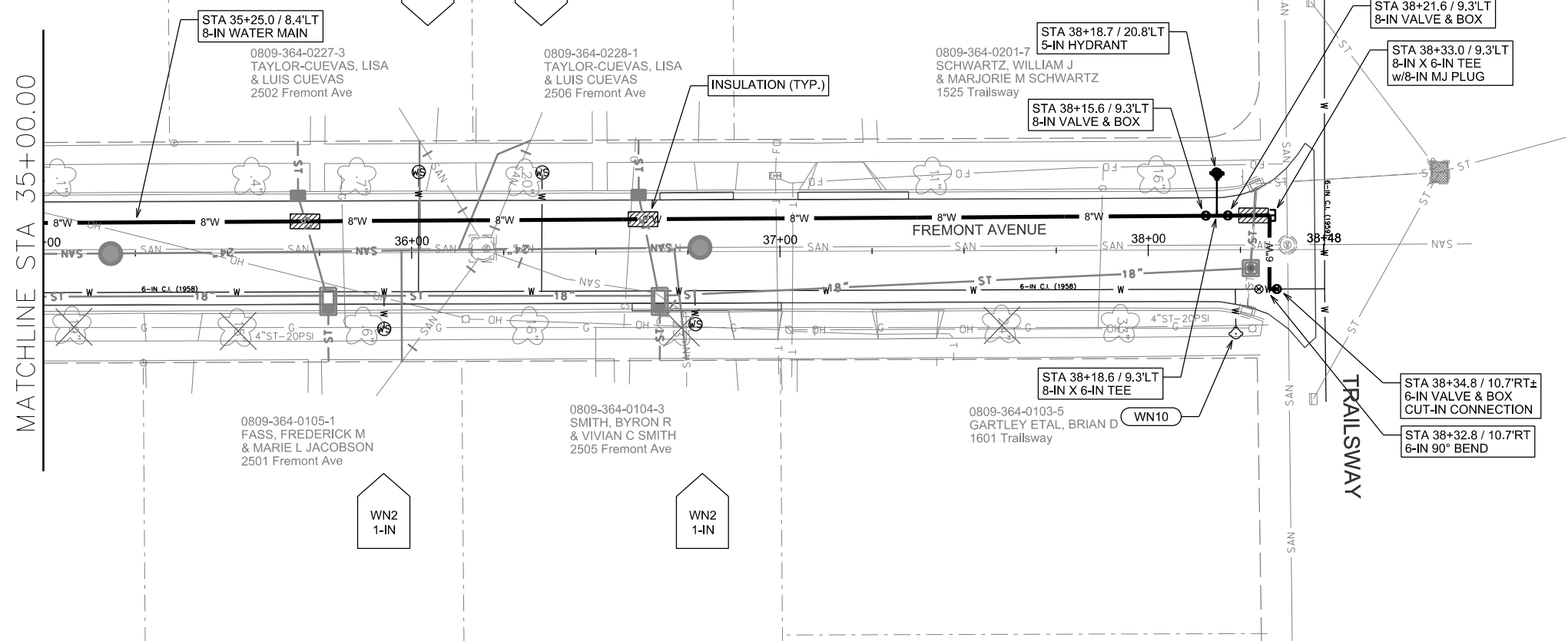
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MATCHLINE STA 35+00.00

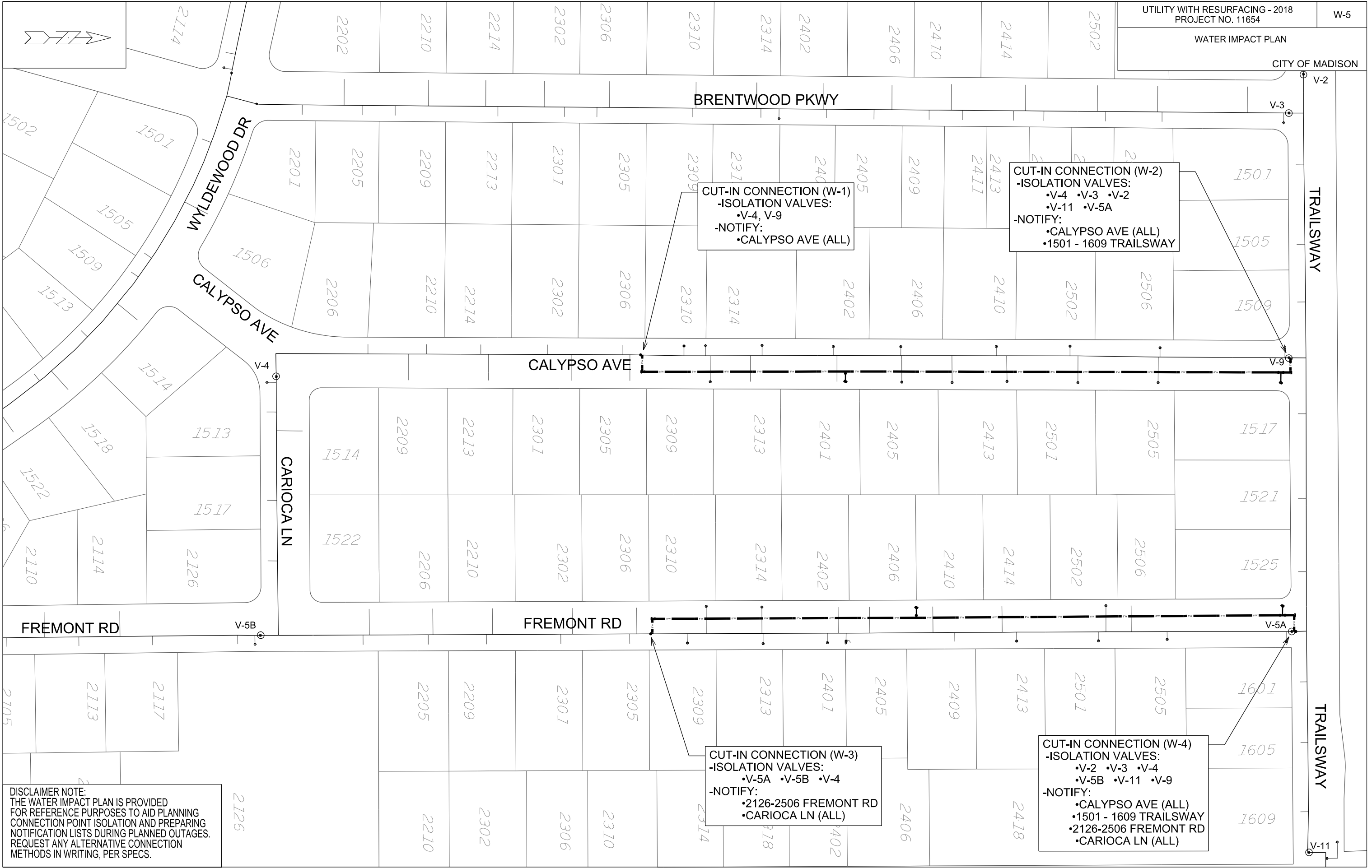


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



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.

PLOT SCALE:

PLOT NAME:

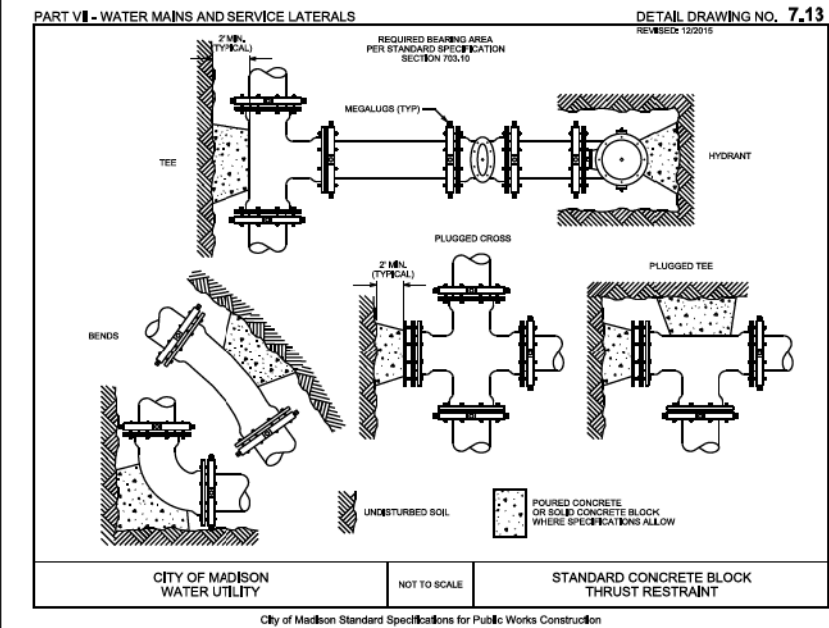
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CONSTRUCTION NOTES:

1. 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.
2. VERIFY SIZE OF EXISTING WATER SERVICES AND RECONNECT SERVICES AS INDICATED.
3. MINIMIZE DISRUPTION OF SERVICE TO EXISTING CUSTOMERS. NOTIFY PER CONTRACT REQUIREMENTS OF ANY PLANNED WATER OUTAGE.
4. THE EXISTING UTILITIES SHOWN ON THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE TO THE WATER UTILITY AT THE TIME OF PLAN PREPARATION. CONTRACTOR IS RESPONSIBLE FOR HAVING EACH UTILITY LOCATED PRIOR TO COMMENCING WORK.

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE FROM THE OLDER WATER MAIN TO THE NEWER WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF; ABANDON CURB BOX AS REQUIRED.
- WN4 DISCONNECT FROM THE OLDER WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEWER WATER MAIN.
- WN5 RELOCATE THE EXISTING FIRE HYDRANT.
- WN6 ABANDON WATER VALVE ACCESS STRUCTURE.
- WN7 FURNISH AND INSTALL THE NEW TOP SECTION FOR THE WATER ACCESS STRUCTURE.
- WN8 ABANDON THE VALVE BOX.
- WN9 FURNISH THE DITCH, COMPACTION, AND ALL MATERIALS AND LABOR FOR THE INSTALLATION OF NEW SERVICE LATERAL.
- WN10 REMOVE AND SALVAGE EXISTING HYDRANT
- WN11 REPLACE THE EXISTING COPPER SERVICE WITH A COPPER SERVICE



ESTIMATE OF PROJECT WATER MATERIALS:

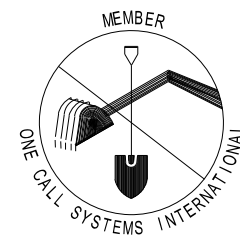
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF. ALWAYS REFER TO PLANS.

WATER MAINS	TOTAL
6-IN PIPE (LF)	140
8-IN PIPE (LF)	1600
POLY WRAP	2000
6-IN VALVE & BOX	6
8-IN VALVE & BOX	6
6-IN - 90° BEND	4
8-IN X 6-IN TEE	8
5-IN HYDRANT	4
8-IN MJ PLUG	4
2-IN STYROFOAM (LF)	120
1-IN COPPER PIPING	AS REQ
1.5-IN COPPER PIPING	AS REQ

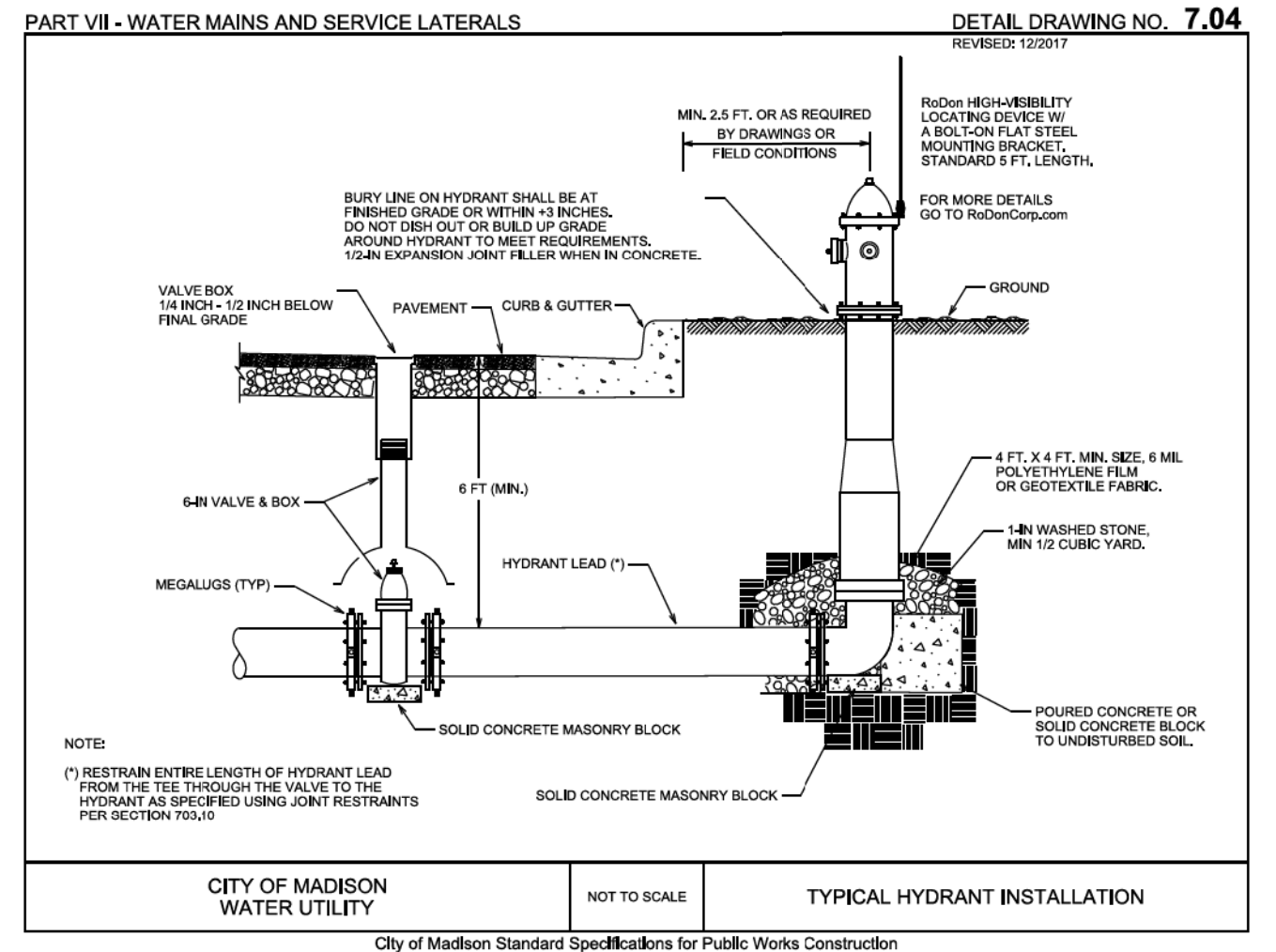
TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

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.



PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION