



Madison, Wisconsin

CONVENTIONAL SIGNS

COMBUSTIBLE FLUIDS



UNDERGROUND UTILITIES

NOTE: FIELD VERIFY UTILITIES

STORM SEWER	—ST—
SANITARY SEWER	—SAN—
WATER	—W—
POWER POLE	□
RAILROAD	=====

INDEX OF SHEETS

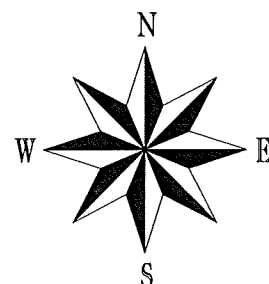
SHEET NO.	D1	TYPICAL SECTIONS
SHEET NO.	EC1-EC2	EROSION CONTROL PLAN
SHEET NO.	P1-P8	PLAN/PROFILE-
SHEET NO.	U1-U4	UTILITIES
SHEET NO.	U5	SANITARY SEWER SCHEDULE
SHEET NO.	U6	STORM SEWER SCHEDULE

EARTHWORK SUMMARY

EXCAVATION CUT	0 CY
(PAID AS PLAN QUANTITY)	
UNDERCUT (EST.)	400 CY
TOTAL	400 CY

NOTES:

THE CROSS SLOPE OF SIDEWALK AND BARRIER FREE WALK RAMP SHALL NOT EXCEED 2%. THE LONGITUDINAL GRADE OF BARRIER FREE WALK RAMP SHALL NOT EXCEED 8.33%.



CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

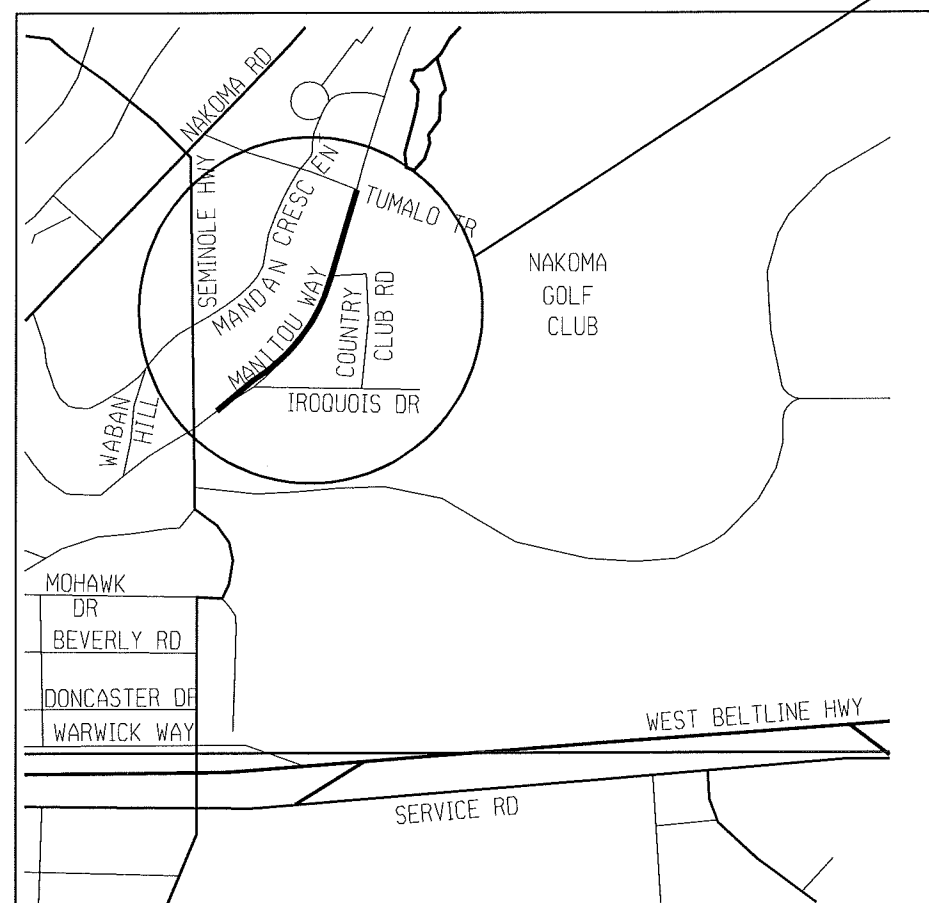
MANITOU WAY RESURFACING

ASSESSMENT DISTRICT-2012

SEMINOLE HWY TO TUMALO TRAIL

PROJECT NO. 53W1341
CONTRACT NO. 6791

PROJECT LOCATION



STREET PROJECT APPROVED
APR. 10, 2012
BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

DESIGN
APPROVED BY:

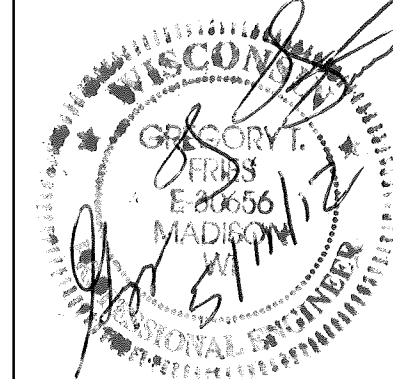
[Signature] 5/15/12
City Engineer Date

STREET
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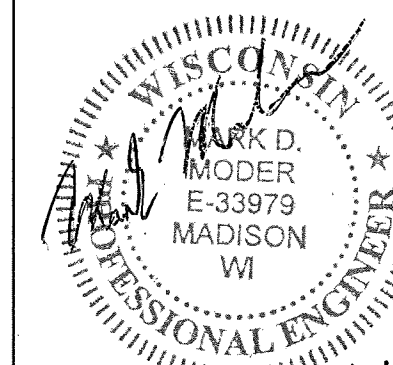


[Signature]
5/11/12

STORM SEWER
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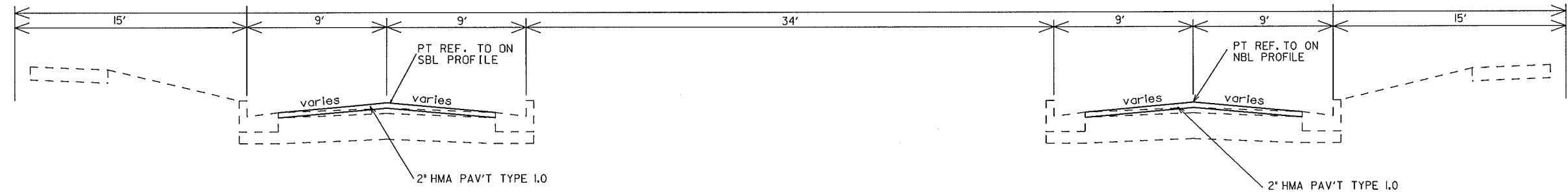


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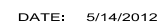


5/14/12

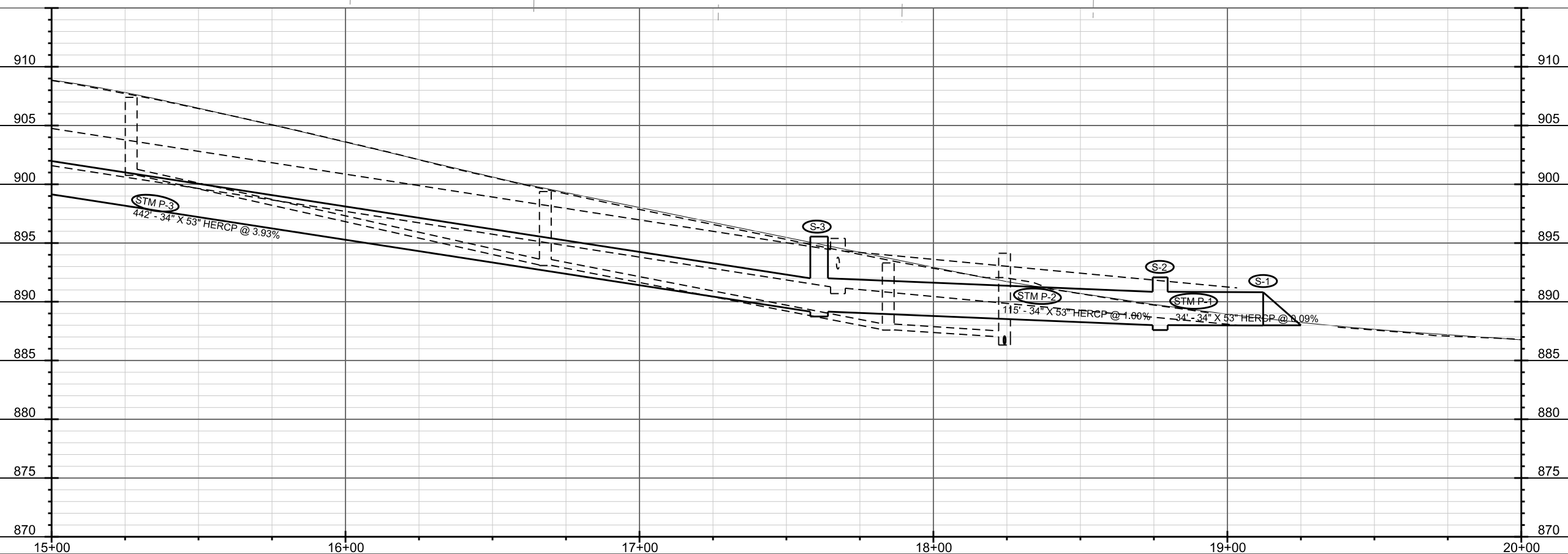
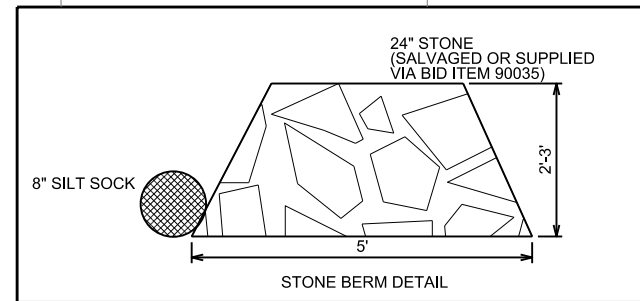
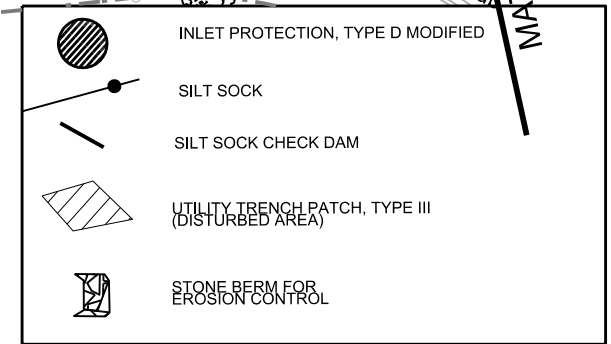
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MANITOU WAY CITY OF MADISON



CITY OF MADISON

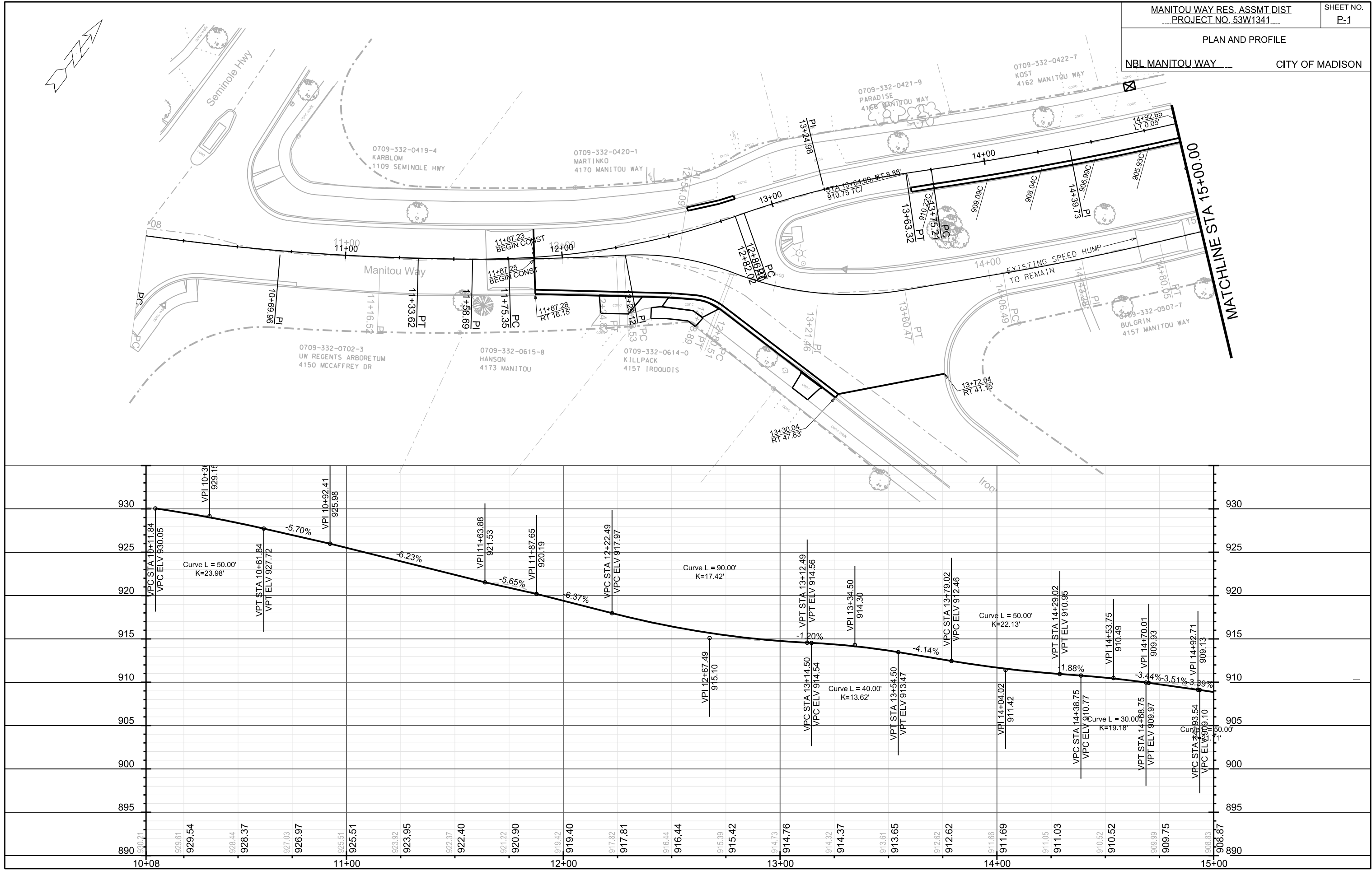


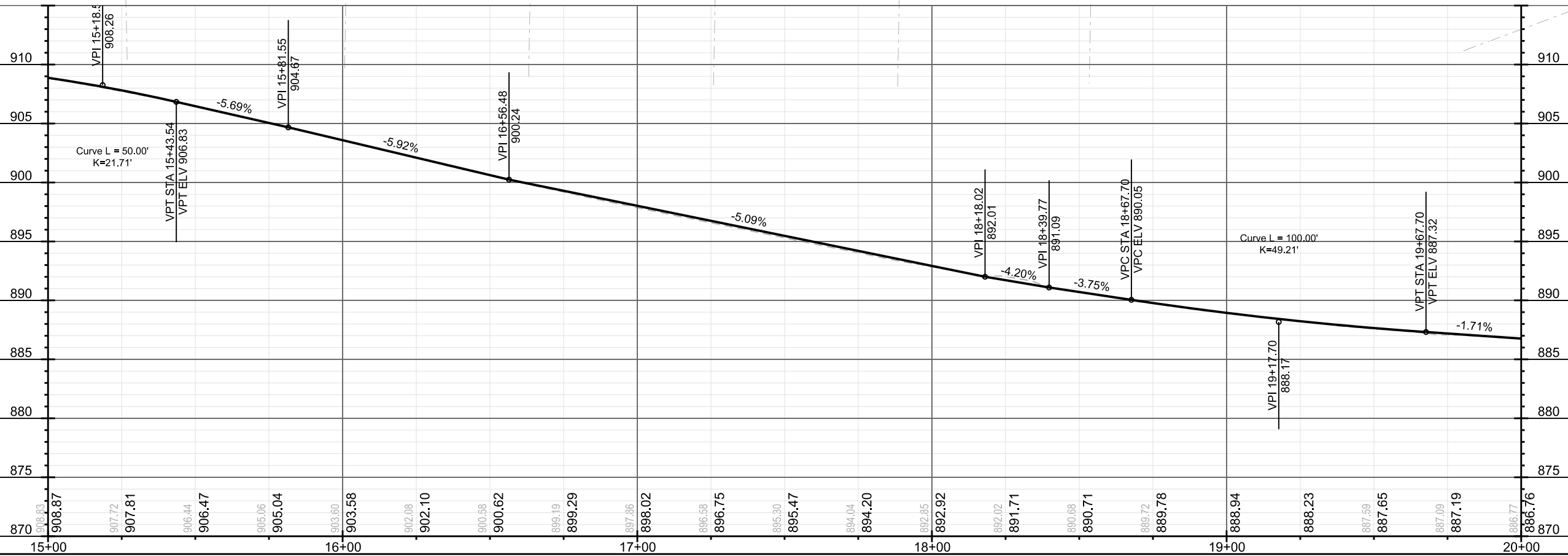
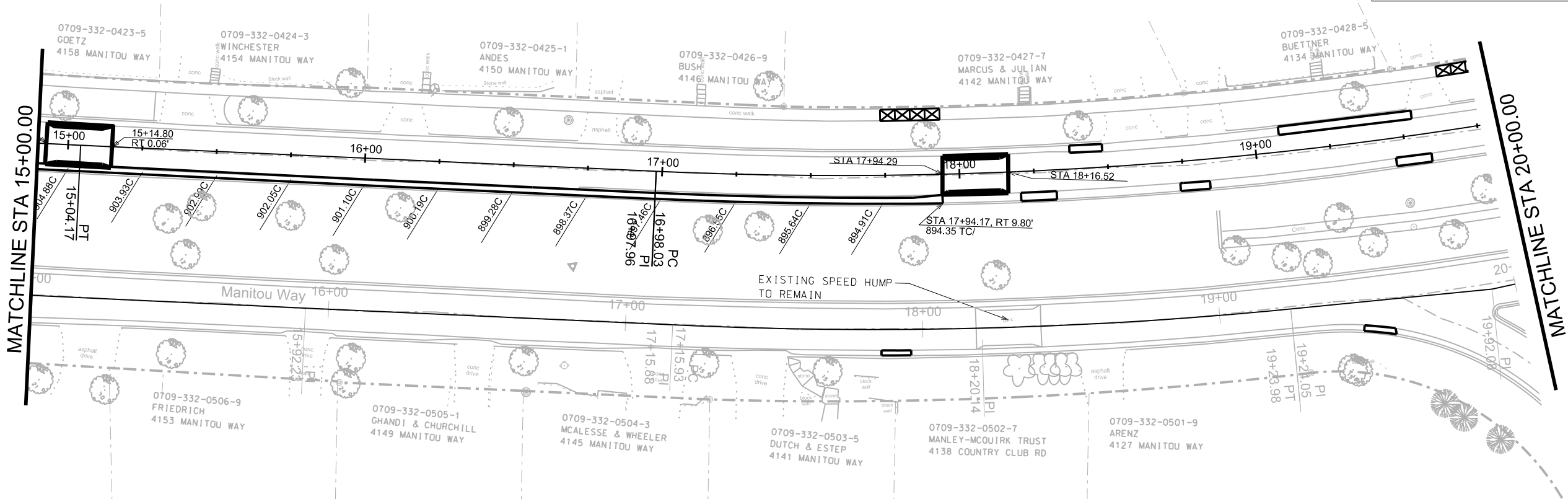
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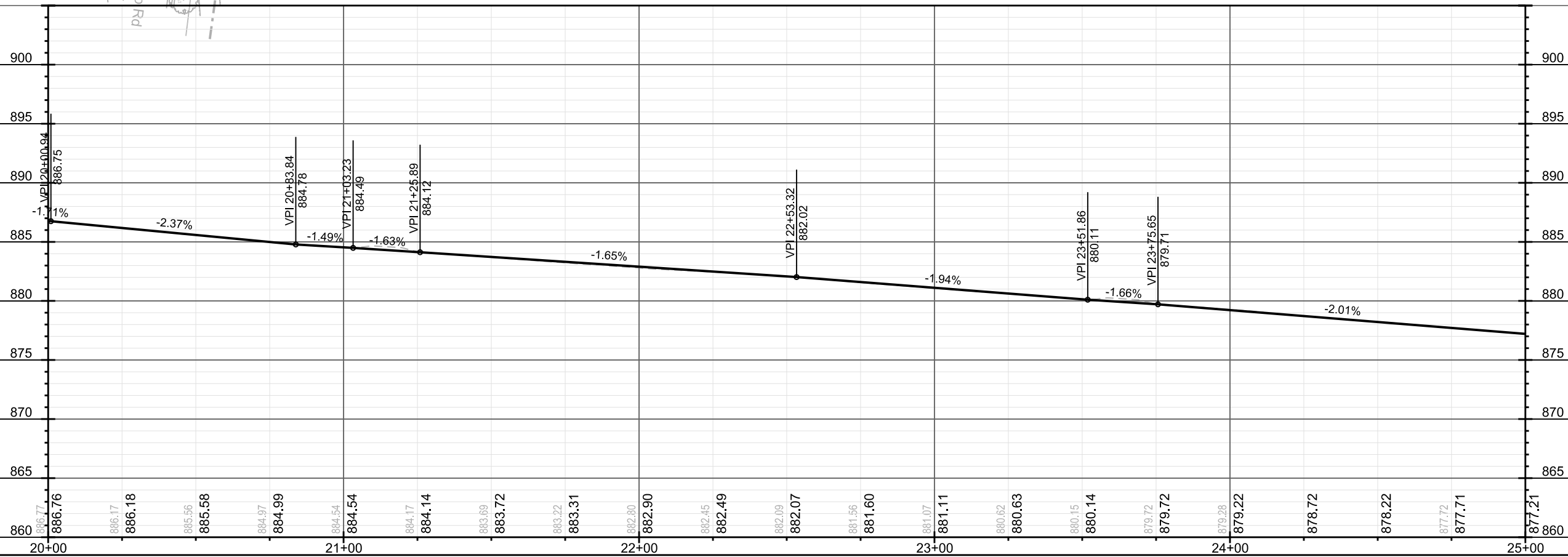
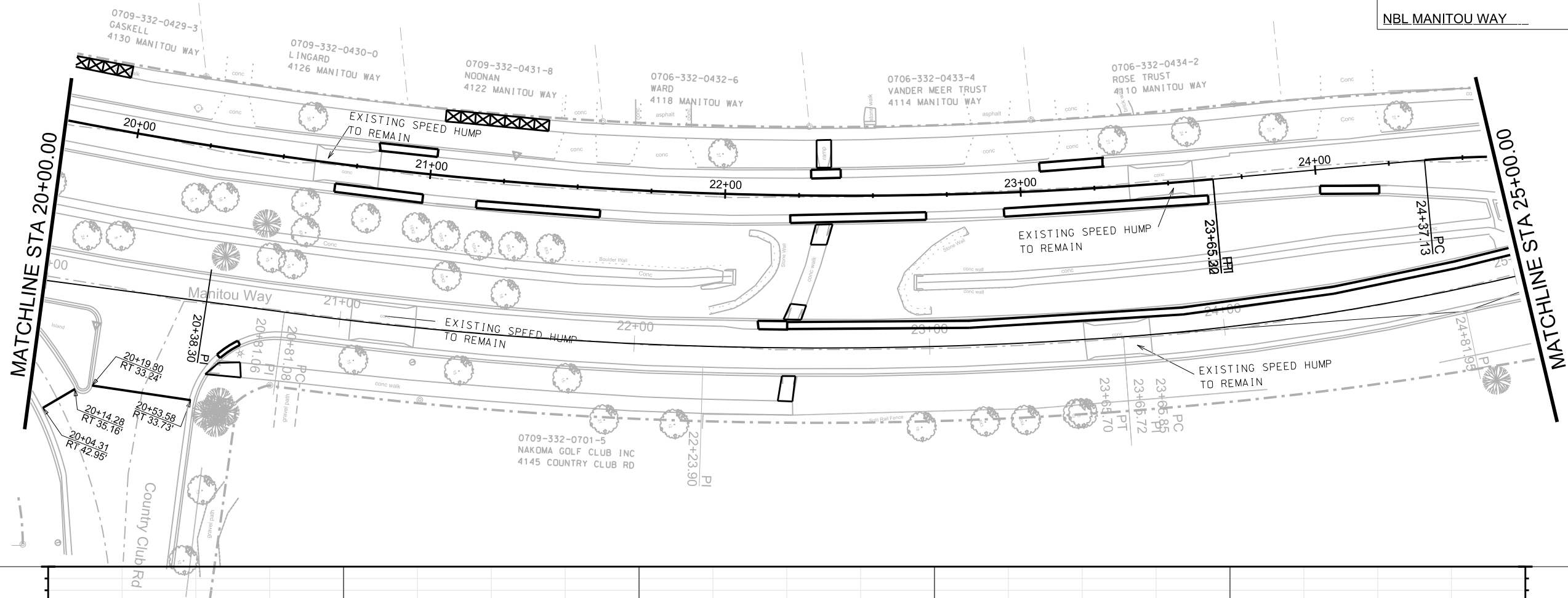
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION





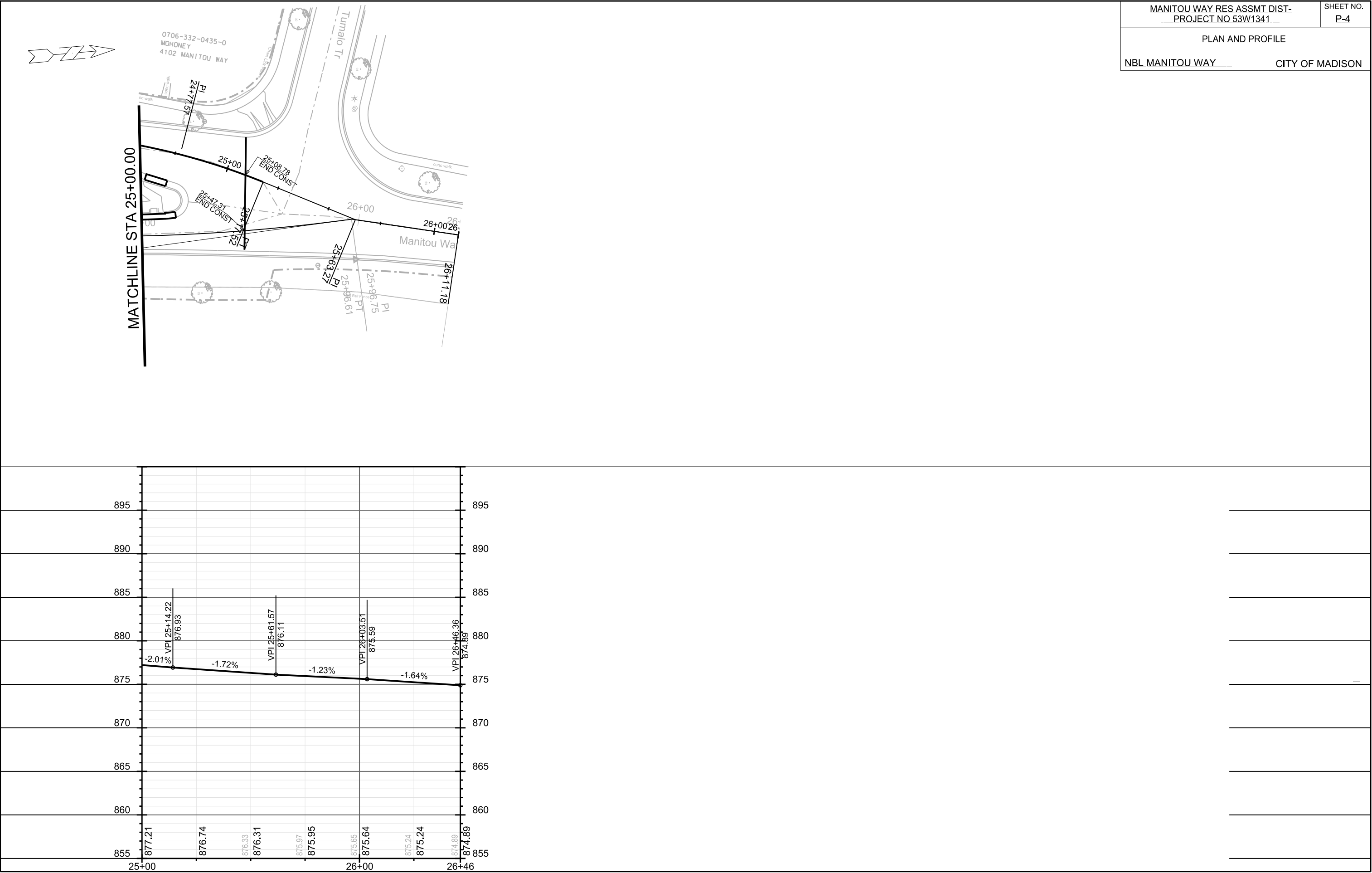


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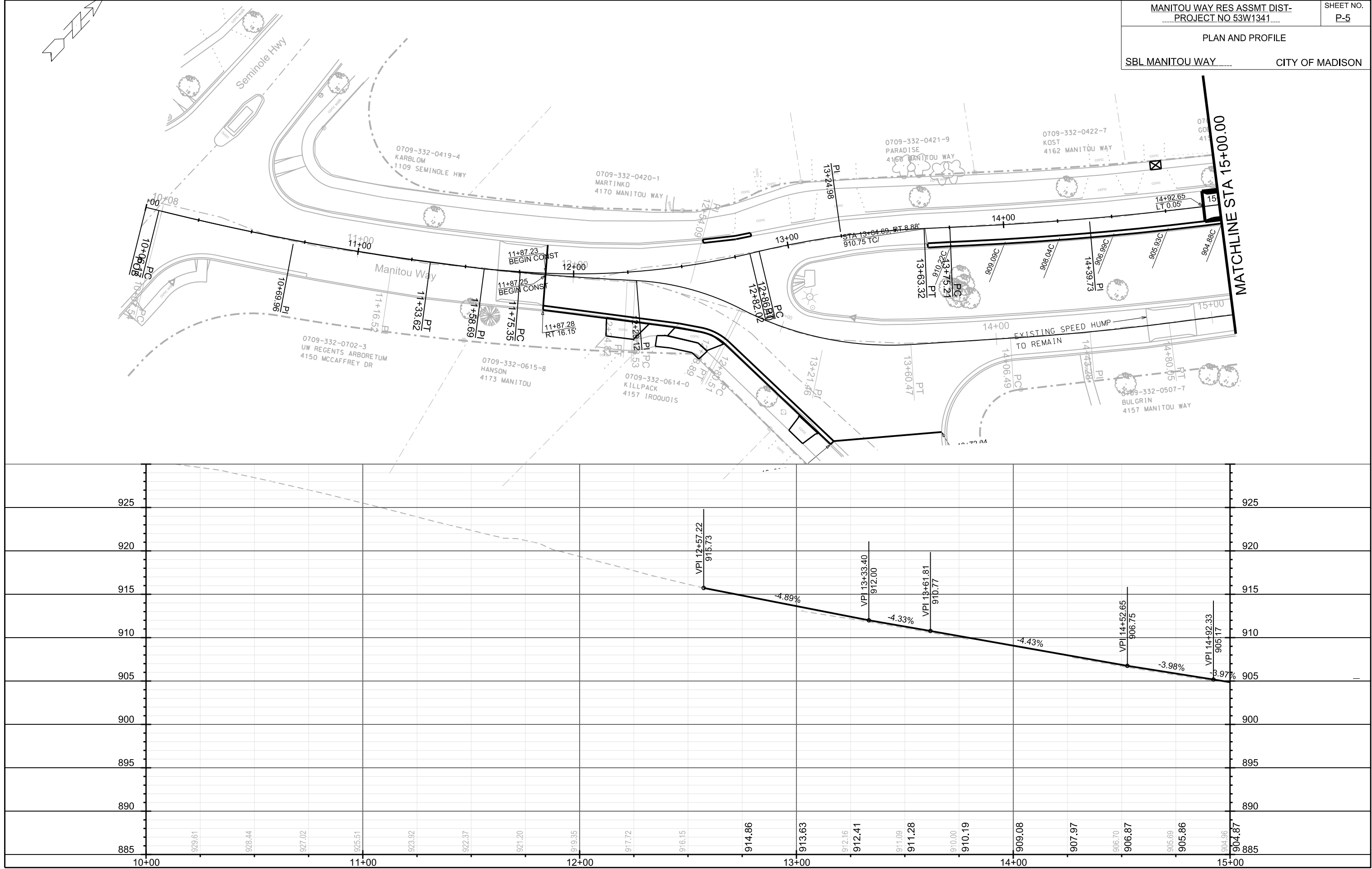


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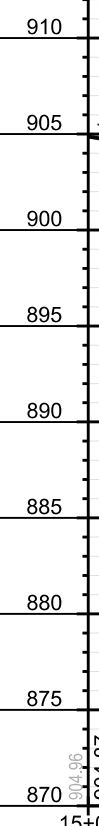
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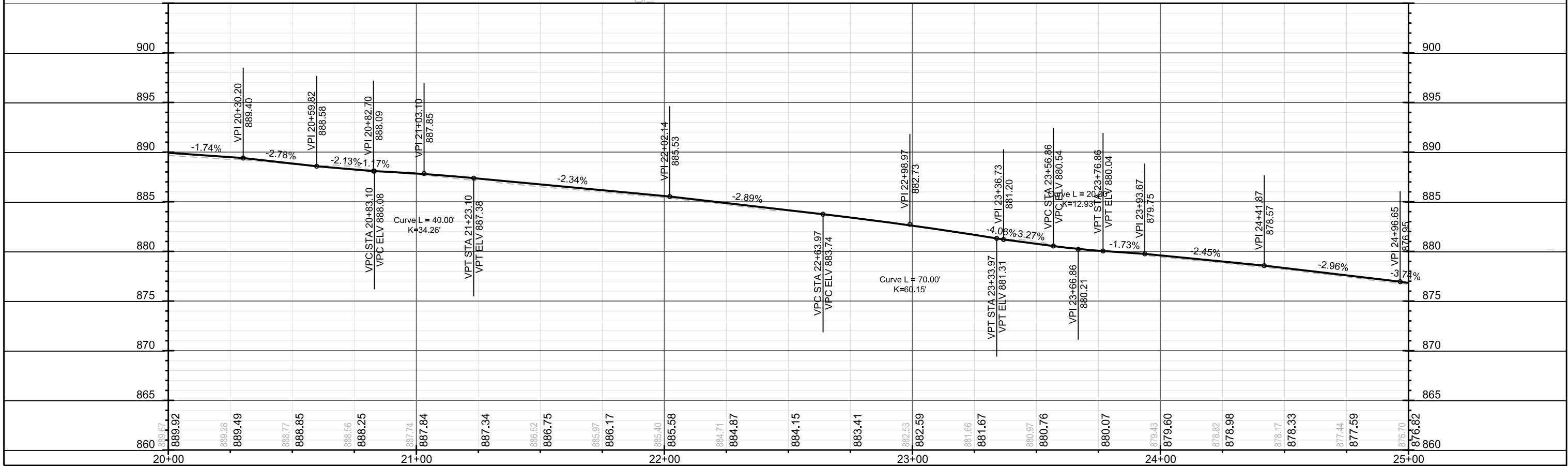
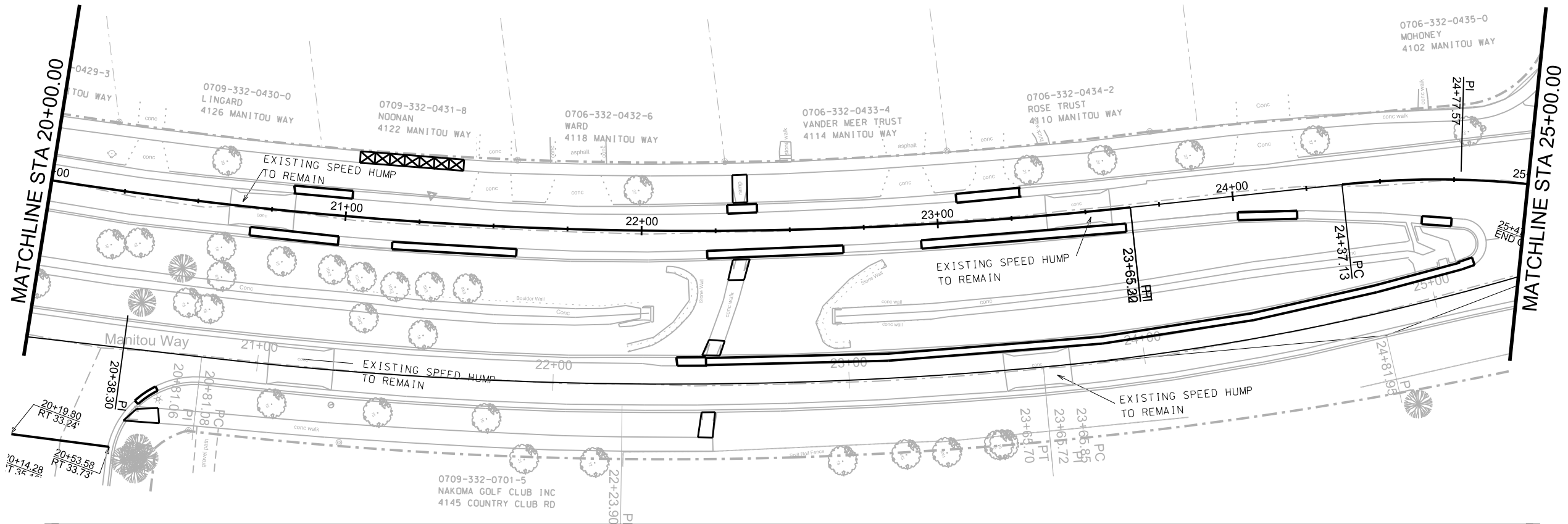
REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



SBL MANITOU WAY_____ CITY OF MADISON



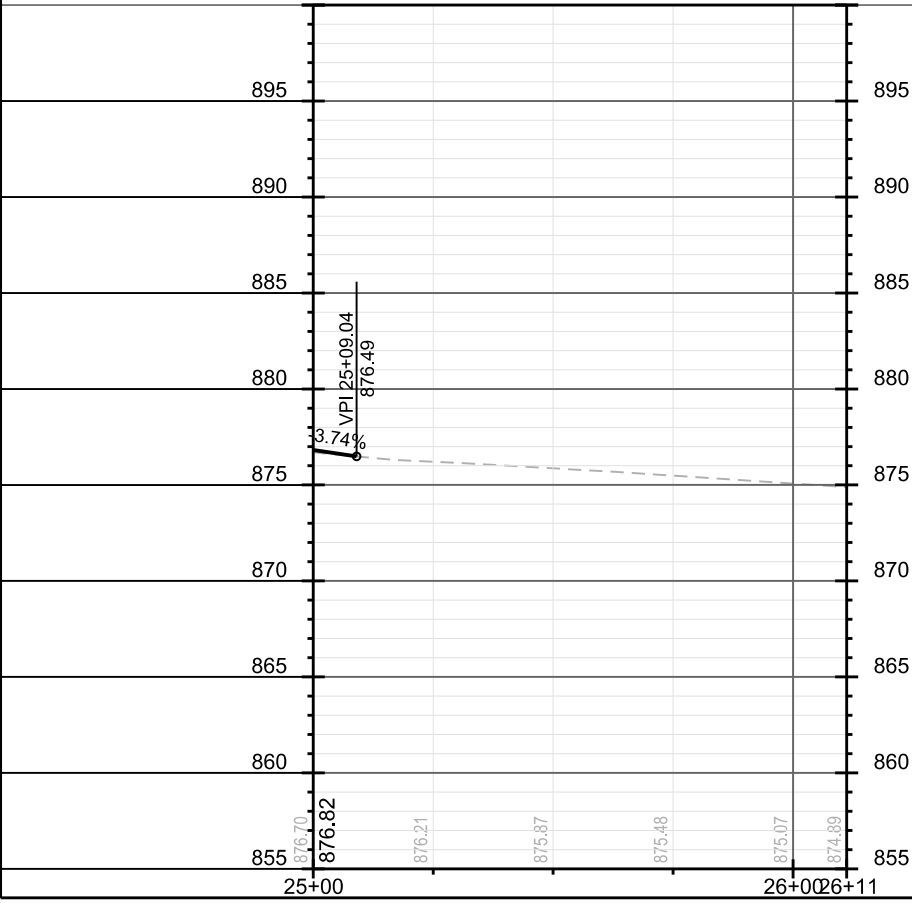
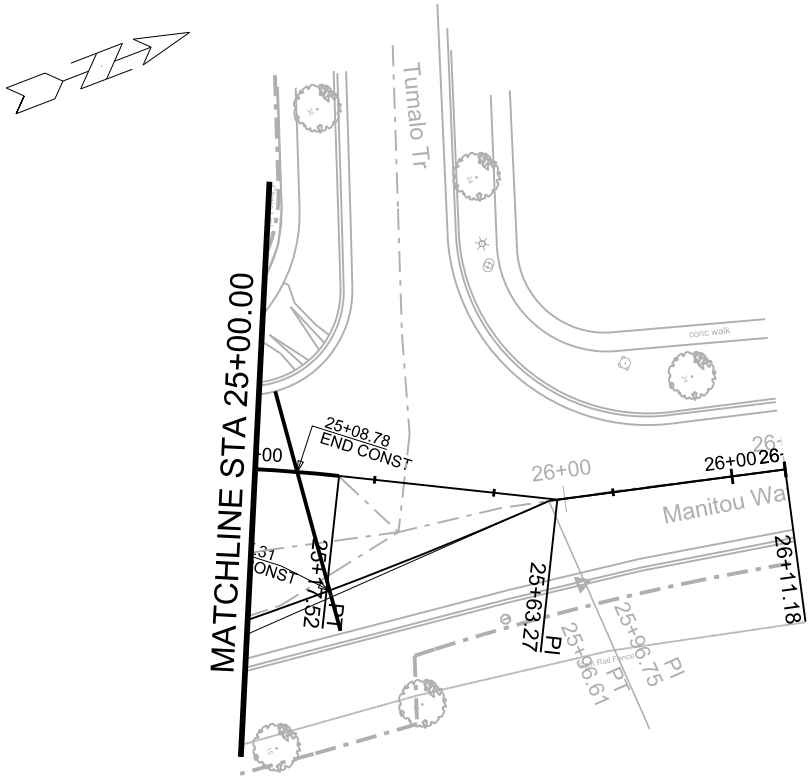


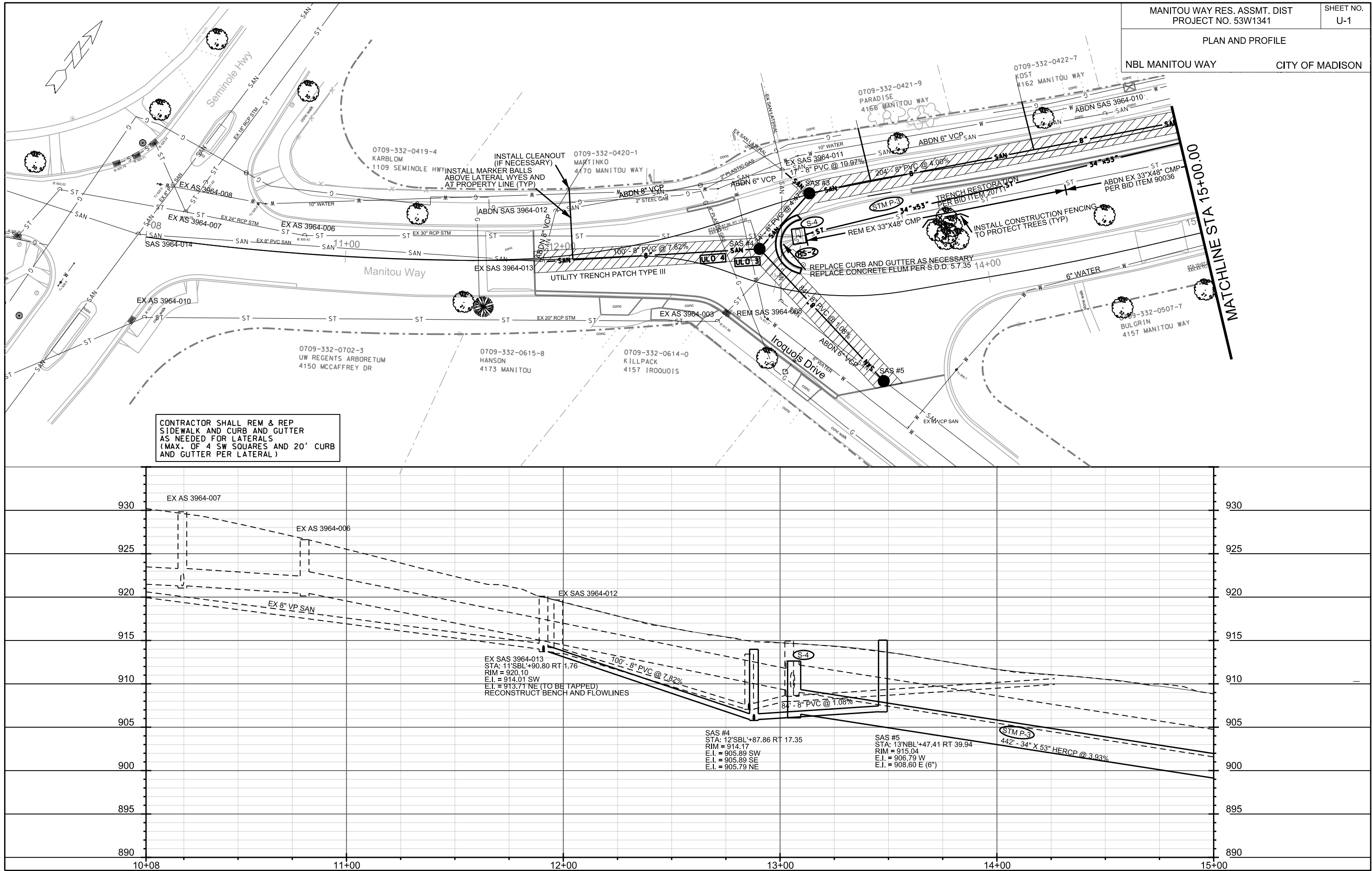
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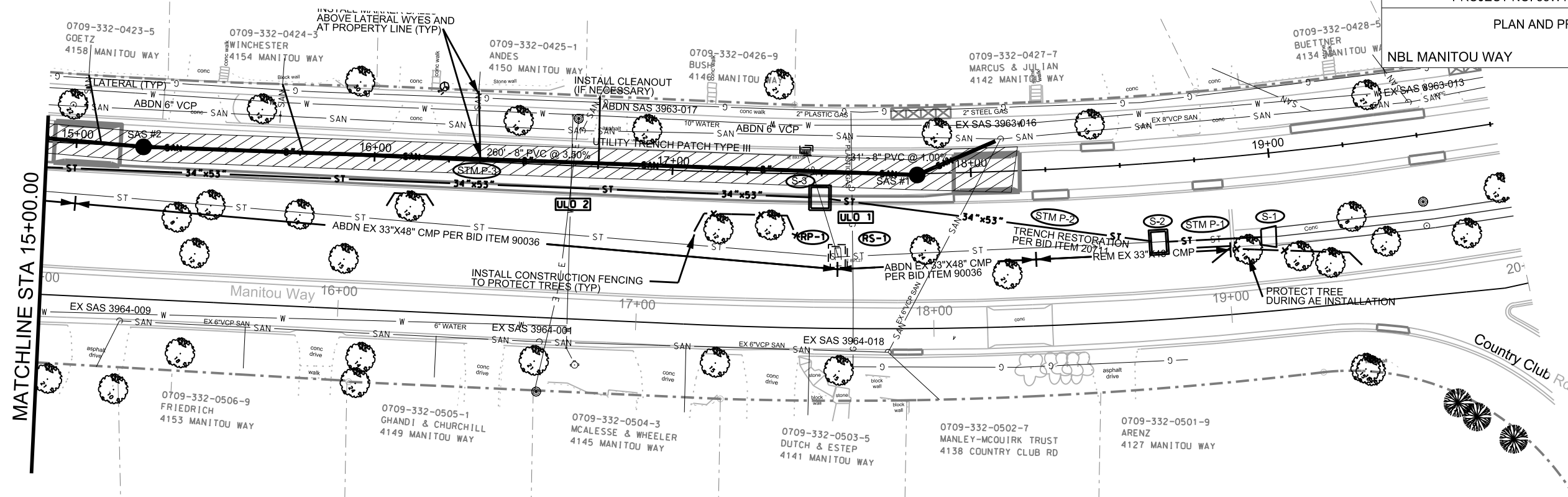
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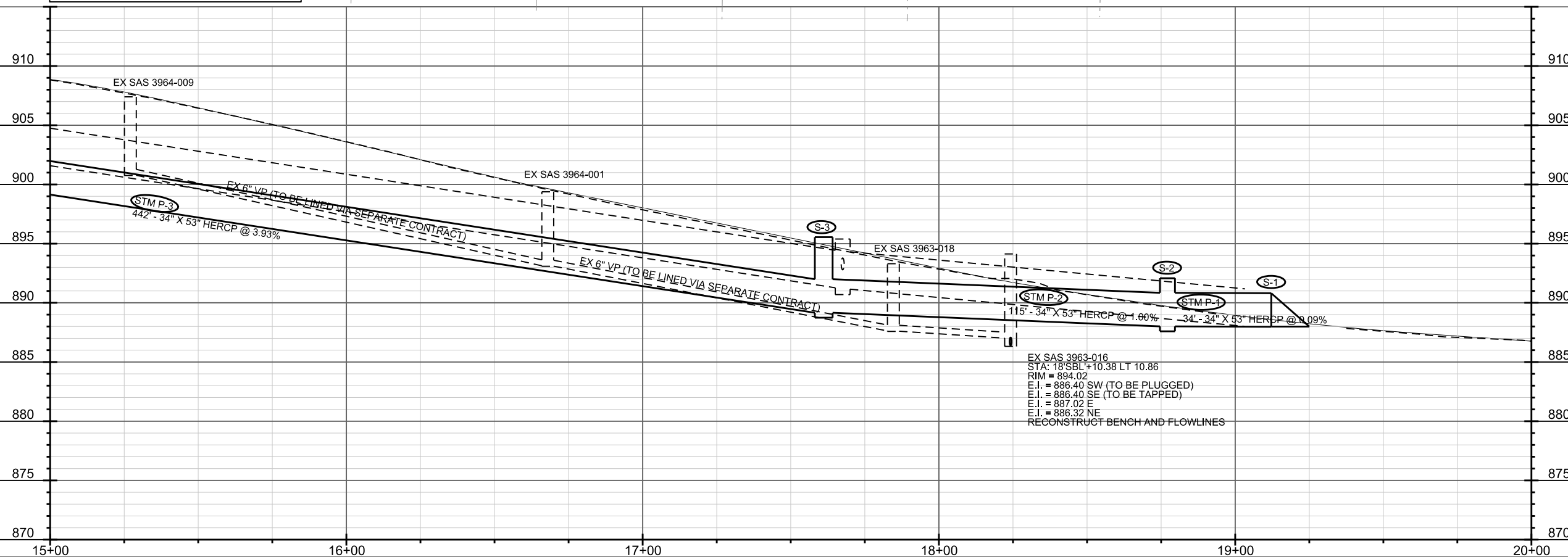
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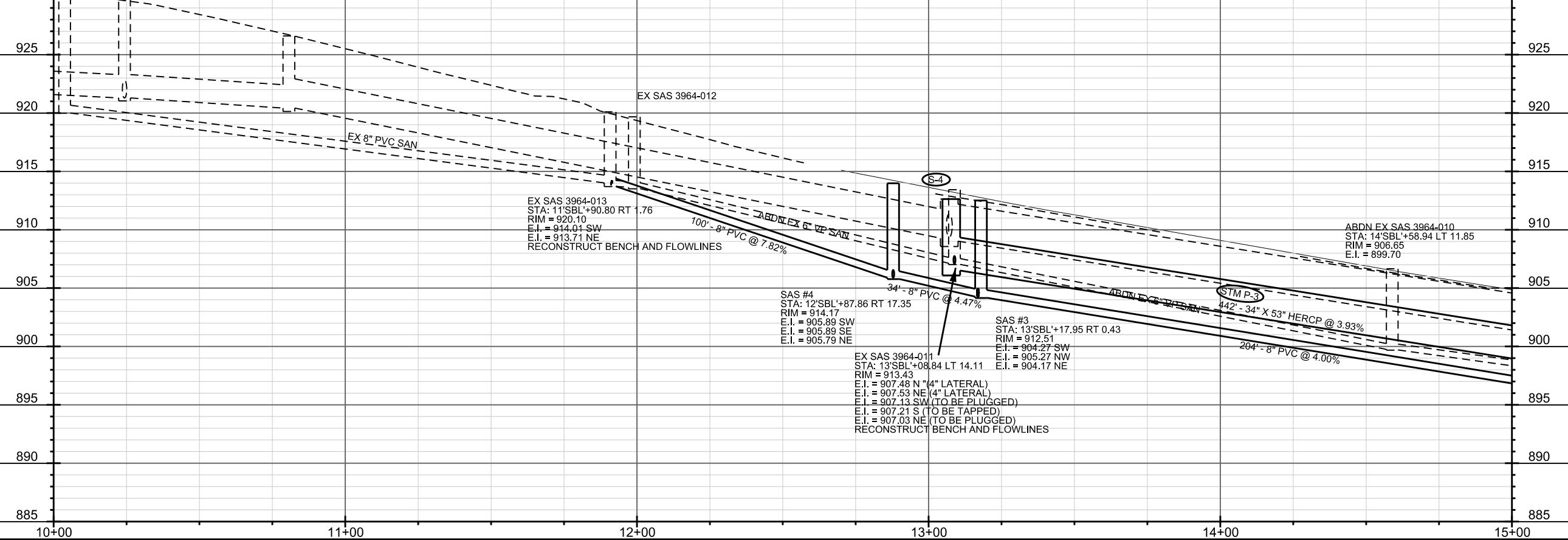
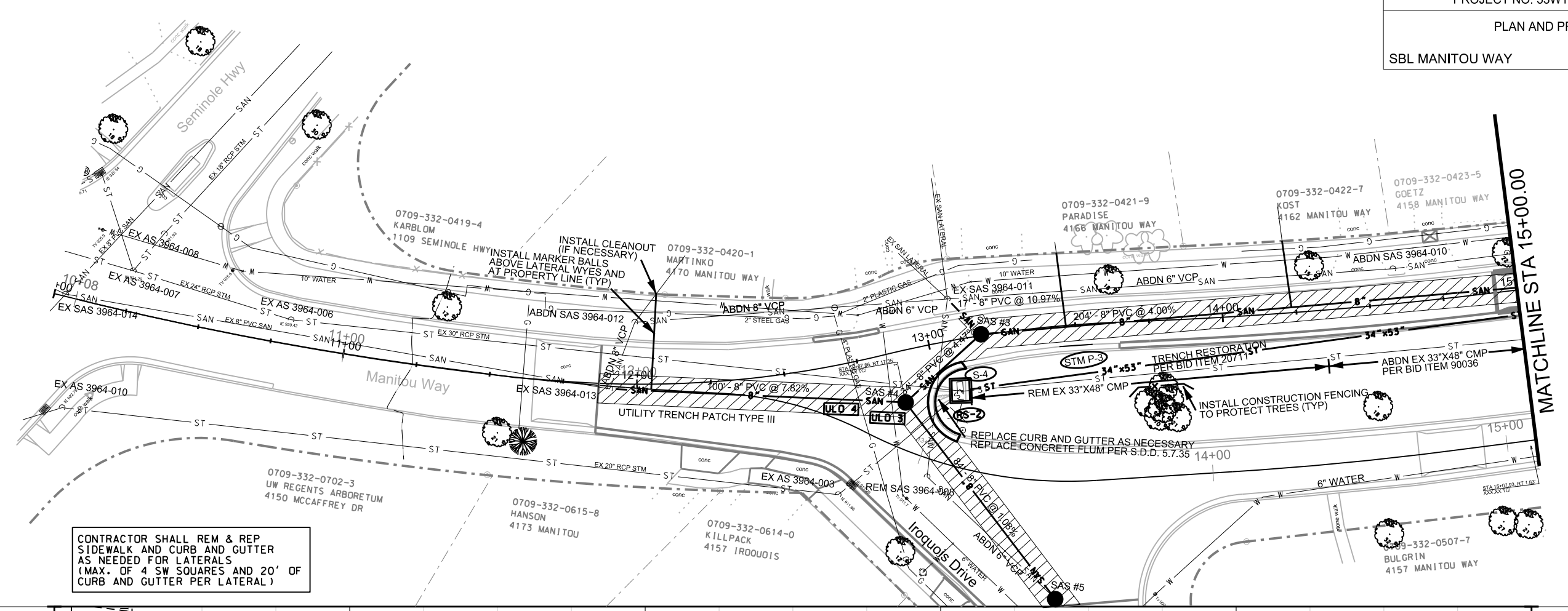


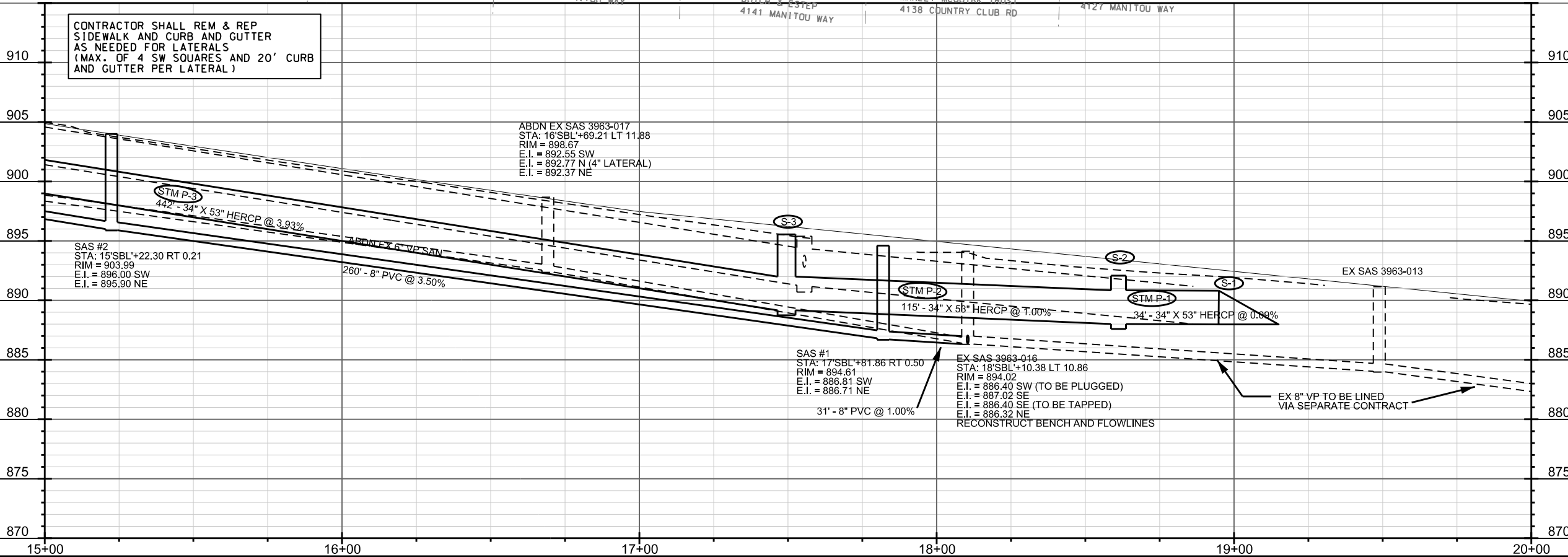
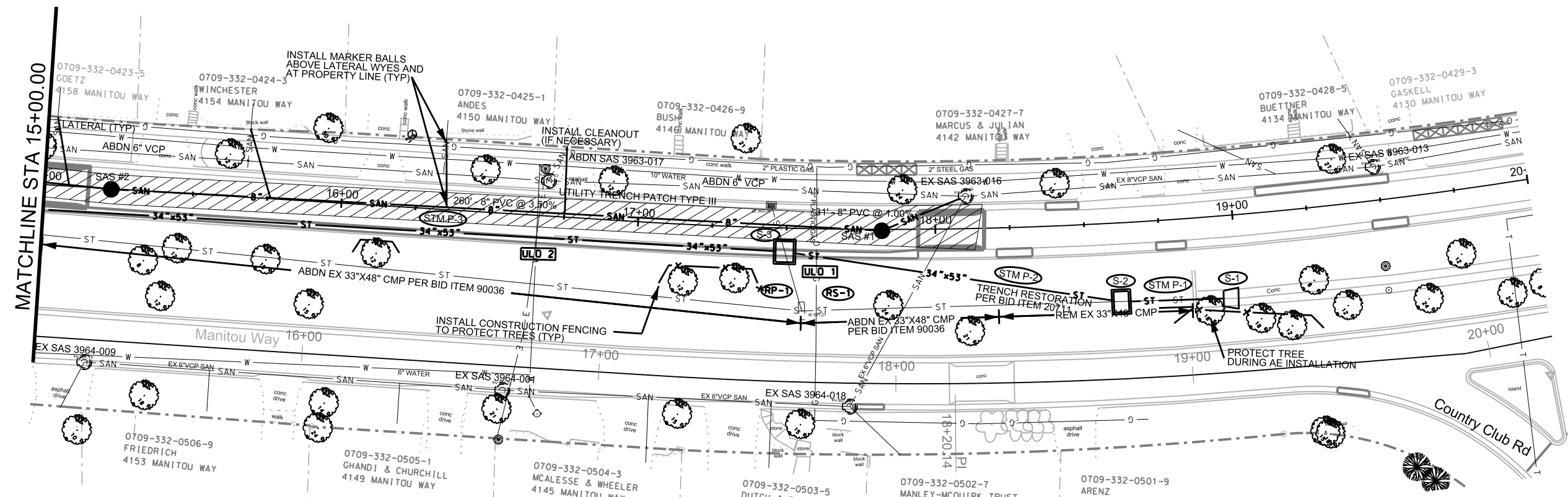


CONTRACTOR SHALL REM & REP
SIDEWALK AND CURB AND GUTTER
AS NEEDED FOR LATERALS
(MAX. OF 4 SW SQUARES AND 20' CURB
AND GUTTER PER LATERAL)



EX SAS 3963-016
STA: 18+86.10 SBL+10.38 LT 10.86
RIM = 894.02
E.I. = 886.40 SW (TO BE PLUGGED)
E.I. = 886.40 SE (TO BE TAPPED)
E.I. = 887.02 E
E.I. = 886.32 NE
RECONSTRUCT BENCH AND FLOWLINES





SANITARY SEWER SCHEDULE

ALIGNMENT CODES:

"NBL" = NORTH BOUND LANE
"SBL" = SOUTH BOUND LANE

MANITOU WAY RES. ASSMT. DIST. PROJECT NO. 53W1341	SHEET NO. U-5
SANITARY SEWER SCHEDULE CITY OF MADISON	

STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
SAS 3963-016	18'SBL'+10.38	LT-10.86	EX STRUCTURE	894.13	886.32	7.81	EX STRUCTURE DATA FOR REF ONLY
SAS #1	17'SBL'+81.86	RT-.50	4' DIA	894.61	886.71	7.90	
SAS #2	15'SBL'+22.30	RT-.21	4' DIA	903.99	895.90	8.09	
SAS #3	13'SBL'+17.95	RT-.43	4' DIA	912.51	904.17	8.34	EX STRUCTURE DATA FOR REF ONLY
SAS 3964-011	13'SBL'+08.85	LT-14.11	EX STRUCTURE	913.43	907.08	6.35	
SAS #4	12'SBL'+87.86	RT-17.35	4' DIA	914.17	905.79	8.38	
SAS 3964-013	11'SBL'+90.80	RT-1.76	EX STRUCTURE	920.10	913.71	6.39	EX STRUCTURE DATA FOR REF ONLY
SAS #5	13'NBL'+47.41	RT-39.94	4' DIA	915.04	906.79	8.25	

PIPES

FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
SAS 3963-016	SAS #1	31	886.40	886.71	1.00%	8"	PVC	
SAS #1	SAS #2	260	886.81	895.90	3.50%	8"	PVC	
SAS #2	SAS #3	204	896.00	904.17	4.00%	8"	PVC	
SAS #3	SAS #4	34	904.27	905.79	4.47%	8"	PVC	
SAS #3	SAS 3964-011	17	905.27	907.08	10.65%	8"	PVC	
SAS #4	SAS 3964-013	100	905.89	913.71	7.82%	8"	PVC	
SAS #4	SAS #5	84	905.89	906.79	1.07%	8"	PVC	

SANITARY STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH
SAS 3964-008	13'NBL'+04.21	RT-5.97	914.93	907.98	6.95

SANITARY STRUCTURE ABANDONMENTS

STRUC. NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH
SAS 3964-012	11'SBL'+99.12	LT-20.96	919.67	913.59	6.08
SAS 3964-010	14'SBL'+58.94	LT-11.85	906.65	899.90	6.75
SAS 3963-017	16'SBL'+69.21	LT-11.88	898.67	892.53	6.14

SANITARY PIPE ABANDONMENTS

FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	TYPE	NOTE
SAS 3964-012	SAS 3964-013	24.10	6"	VCP	PIPE PLUGS AT BOTH ENDS
SAS 3964-011	SAS 3964-012	106.10	6"	VCP	PIPE PLUGS AT BOTH ENDS
SAS 3964-010	SAS 3964-011	151.20	6"	VCP	PIPE PLUGS AT BOTH ENDS
SAS 3963-017	SAS 3964-010	209.90	6"	VCP	PIPE PLUGS AT BOTH ENDS
SAS 3963-016	SAS 3963-017	140.20	6"	VCP	PIPE PLUGS AT BOTH ENDS

STANDARD NOTES:

- ALL SHOP DRAWINGS SHALL BE SUBMITTED TO CITY ENGINEERING FOR APPROVAL. CONTACT SALLY SWENSON OF CITY ENGINEERING AT (608) 266-4862 OR sswenson@cityofmadison.com.

ORIGINATOR: CITY OF MADISON STREETS DIVISION

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

STORM SEWER SCHEDULE

ALIGNMENT CODES:

"NBL" = NORTH BOUND LANE
"SBL" = SOUTH BOUND LANE

MANITOU WAY RES. ASSMT. DIST. PROJECT NO. 53W1341	SHEET NO. U-6
STORM SEWER SCHEDULE CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
S-1	18'SBL'+94.90	RT-27.80	APRON ENDWALL	--	887.98		W/ 34" X 53" AE GATE
S-2	18'SBL'+61.12	RT-26.56	6X7 SAS	892.08	888.01	4.07	W/ R-1877-ESM
S-3	17'SBL'+49.44	RT-8.16	6X7 SAS	895.55	889.16	6.39	W/ R-3067-7004-V
S-4	13'SBL'+07.08	RT-17.19	6X7 SAS	912.63	906.50	6.13	(1), W/R-3396

STORM STRUCTURE REMOVALS

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
IN 3964-005	13'SBL'+07.08	RT-17.19	5X7	912.66	909.02	3.64	
AS 3963-010	17'SBL'+55.60	RT-27.77	5X7	895.39	891.27	4.12	

UTILITY LINE OPENINGS

ULO NO.	STATION	LOCATION (OFFSET)	TYPE
ULO 1	17'SBL'+60.19	RT-8.98	GAS
ULO 2	16'SBL'+65.63	RT-7.28	ELEC, WATER
ULO 3	12'SBL'+83.25	RT-16.08	WATER
ULO 4	12'SBL'+73.03	RT-13.13	GAS

SPECIFIC NOTES

(1) CONTRACTOR SHALL ATTEMPT TO SALVAGE AND REUSE EXISTING INLET CASTING AT THIS LOCATION

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
STM P-1	S-1	S-2	34.2	887.98	888.01	0.09%	34X53	HERCP	
STM P-2	S-2	S-3	114.5	888.01	889.16	1.00%	34X53	HERCP	
STM P-3	S-3	S-4	441.7	889.16	906.50	3.93%	34X53	HERCP	

STORM PIPE ABANDONMENTS/REMOVALS

FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	SIZE	TYPE	NOTES
OUTLET	RS-2	580.6	33" X 48"	CMP	ABDN/REMOVE
RS-1	S-2	21	12"	RCP	REMOVE

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONC
- 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.
- 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 SALLY SWENSON OF CITY ENGINEERING AT (608) 266-4862 OR sswenson@cityofmadison.com.

length w/o str