

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

DOUGLAS TRAIL, LAMONT LANE, ACACIA LANE, LOUDEN LANE, AND KVAMME LANE RECONSTRUCTION ASSESSMENT DISTRICT - 2017

CITY MUNIS NO. 11433
CONTRACT NO. 7836

INDEX OF SHEETS

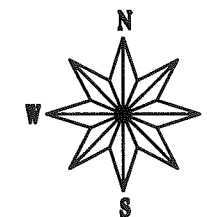
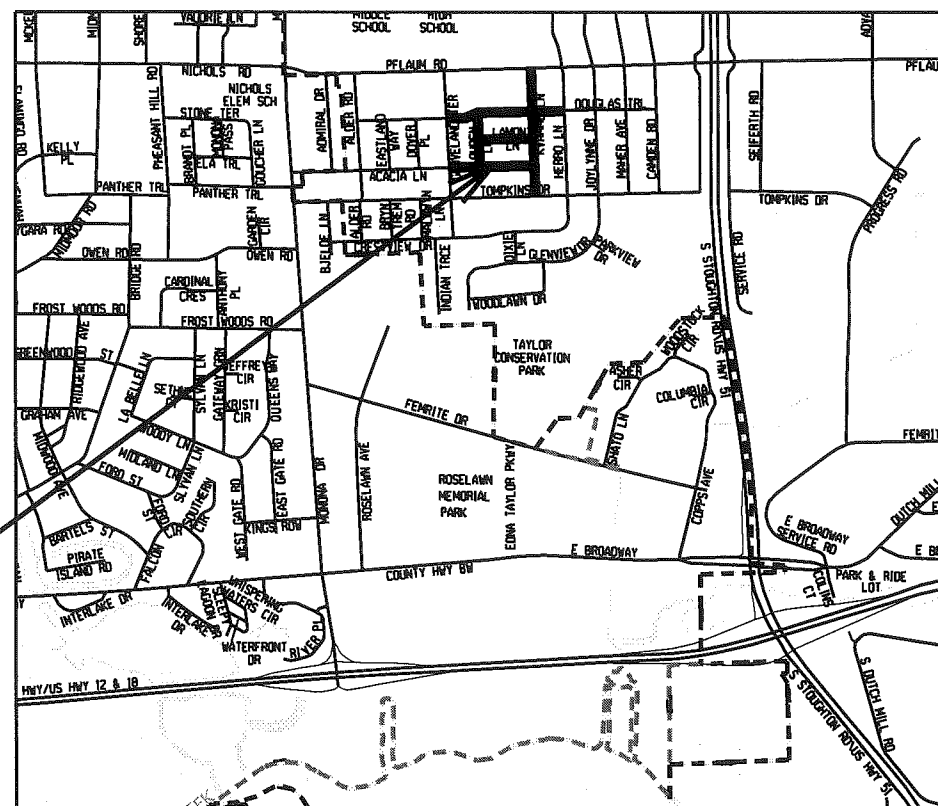
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W14	WATER ESTIMATE OF MATERIALS
W15	CROSS SECTIONS DOUGLAS TRAIL
X1-X11	CROSS SECTIONS LAMONT LANE
X12-X16	CROSS SECTIONS ACACIA LANE
X17-X23	CROSS SECTIONS LOUDEN LANE
X24-X28	CROSS SECTIONS KVAMME LANE
X29-X39	

CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

GAS	— G —
STORM SEWER	— ST —
SANITARY SEWER	— SAN —
WATER	— W —
OVERHEAD ELECTRIC	— OH —
POWER POLE	□

PROJECT
LOCATION



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%

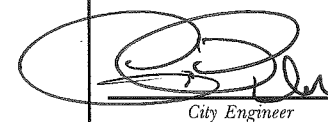
EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY).....4280 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....2360 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....6640 C.Y.

PUBLIC IMPROVEMENT PROJECT APPROVED

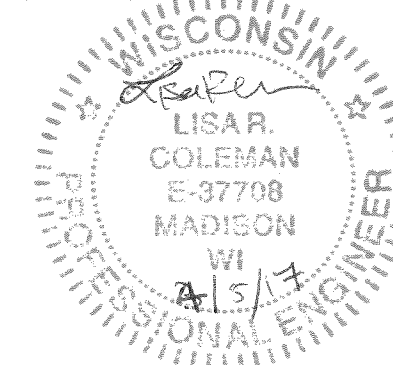
MARCH 21, 2017

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

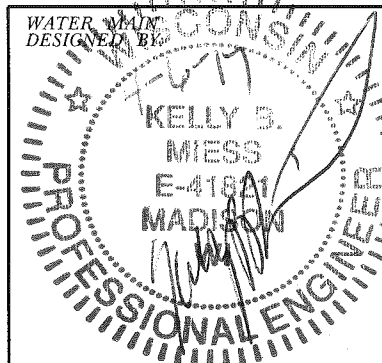
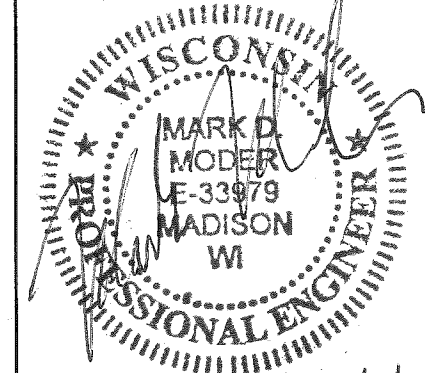
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APPROVED BY:

 4/7/17
City Engineer Date

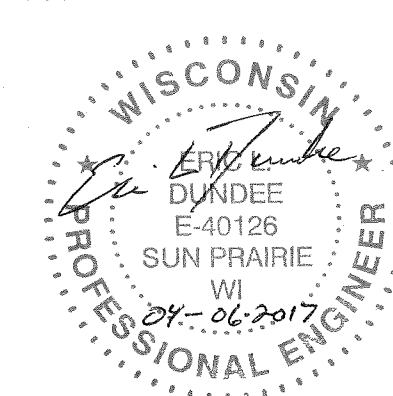
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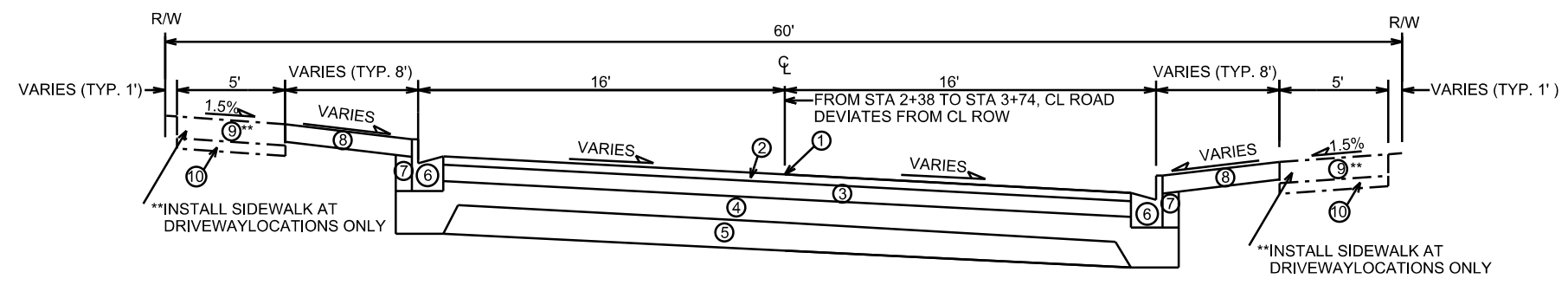


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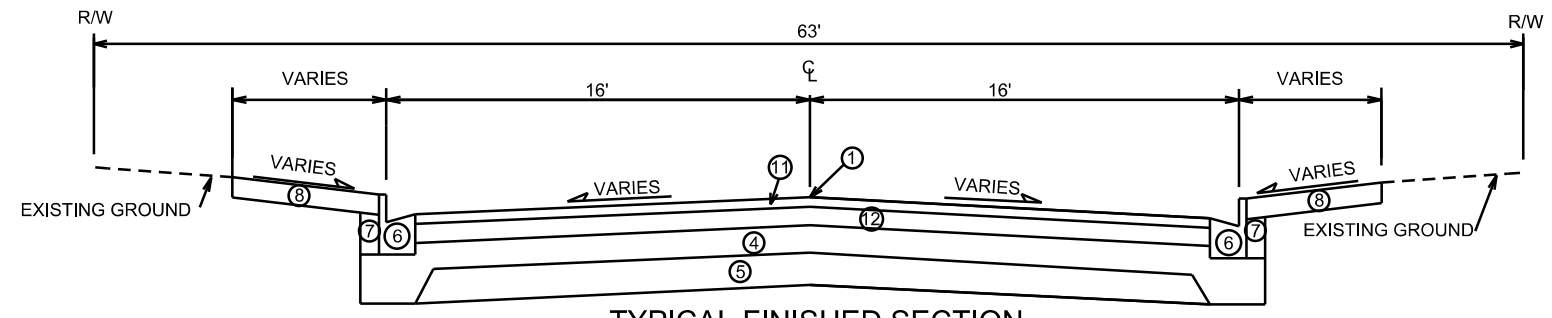


STORM SEWER
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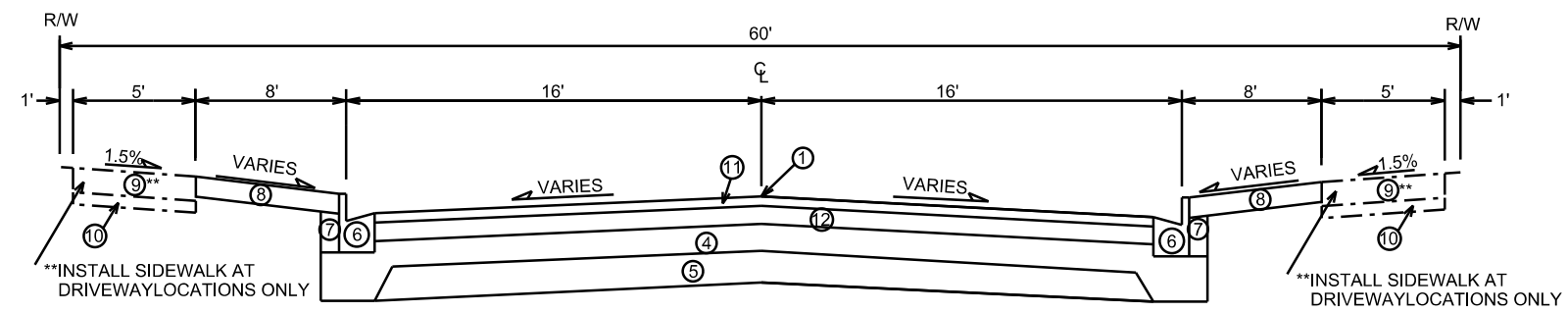




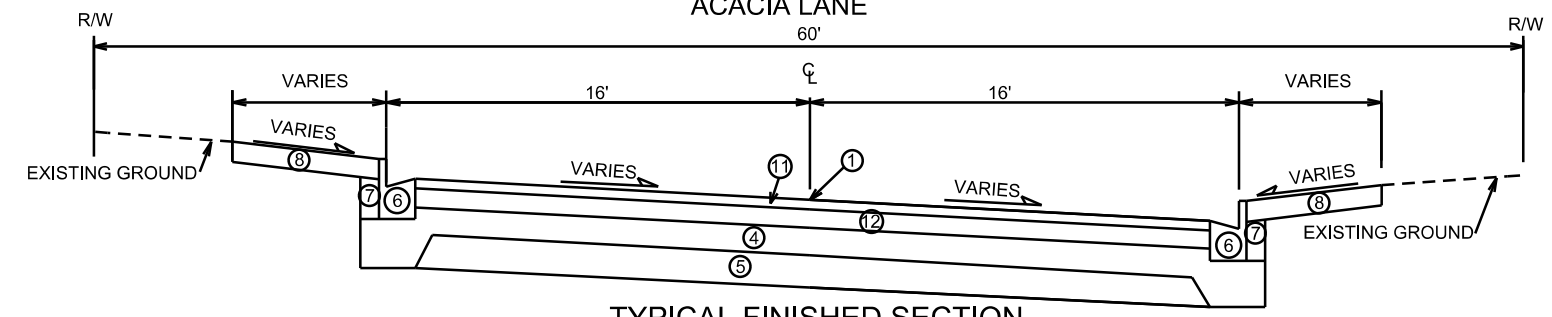
TYPICAL FINISHED SECTION
DOUGLAS TRAIL



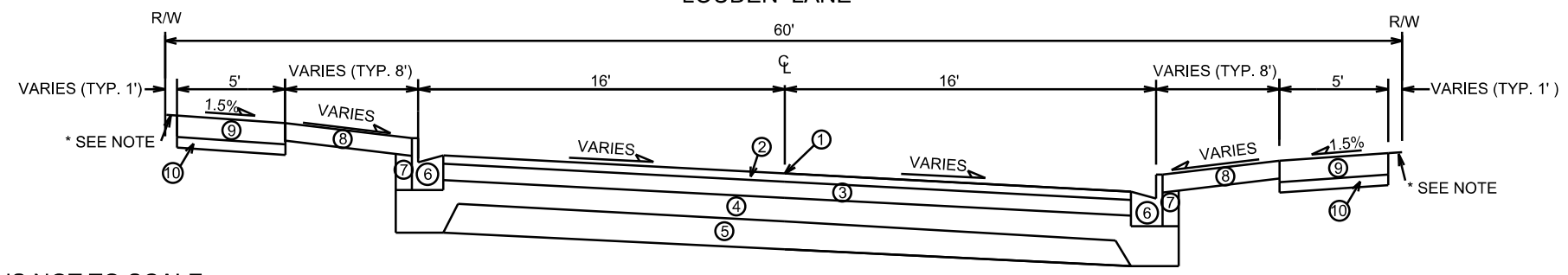
TYPICAL FINISHED SECTION
LAMONT LANE



TYPICAL FINISHED SECTION
ACACIA LANE



TYPICAL FINISHED SECTION
LOUDEN LANE



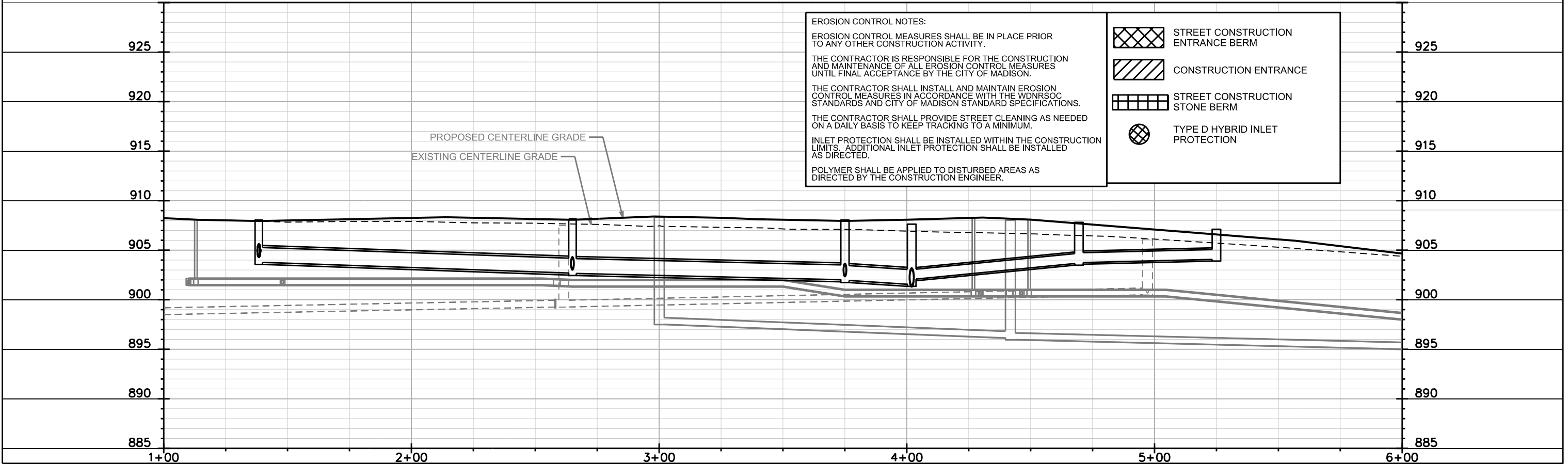
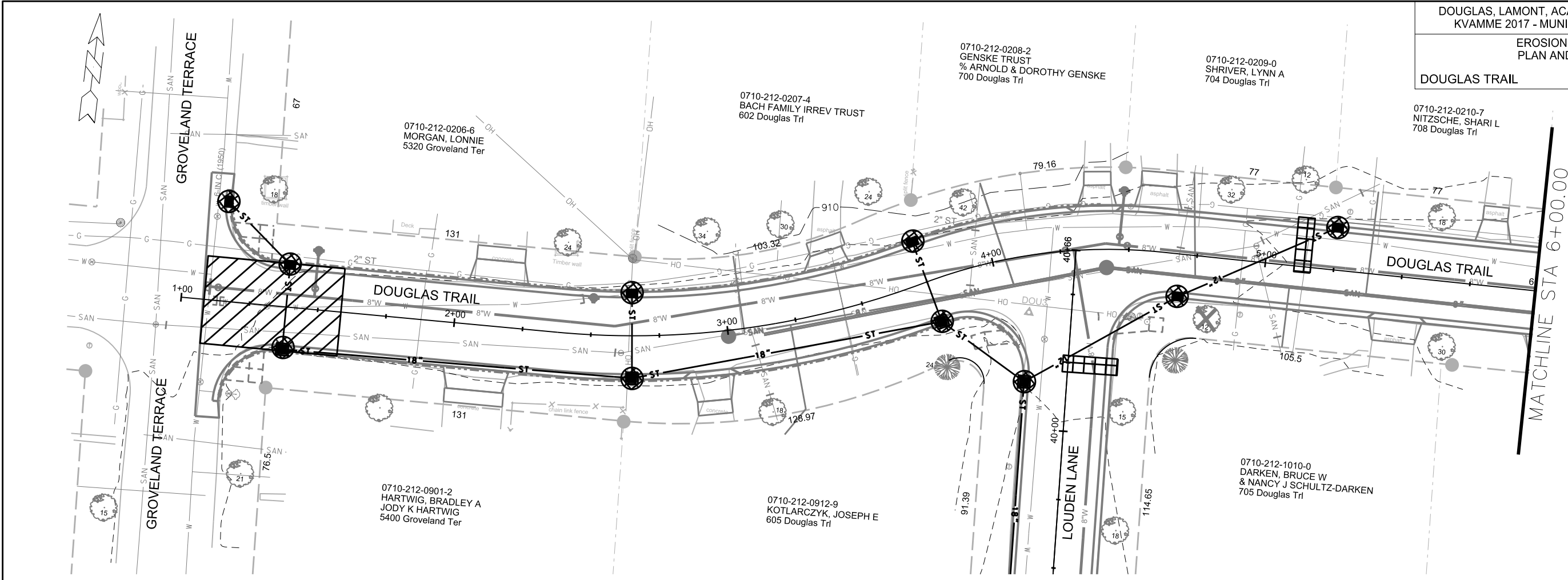
TYPICAL FINISHED SECTION
KVAMME LANE

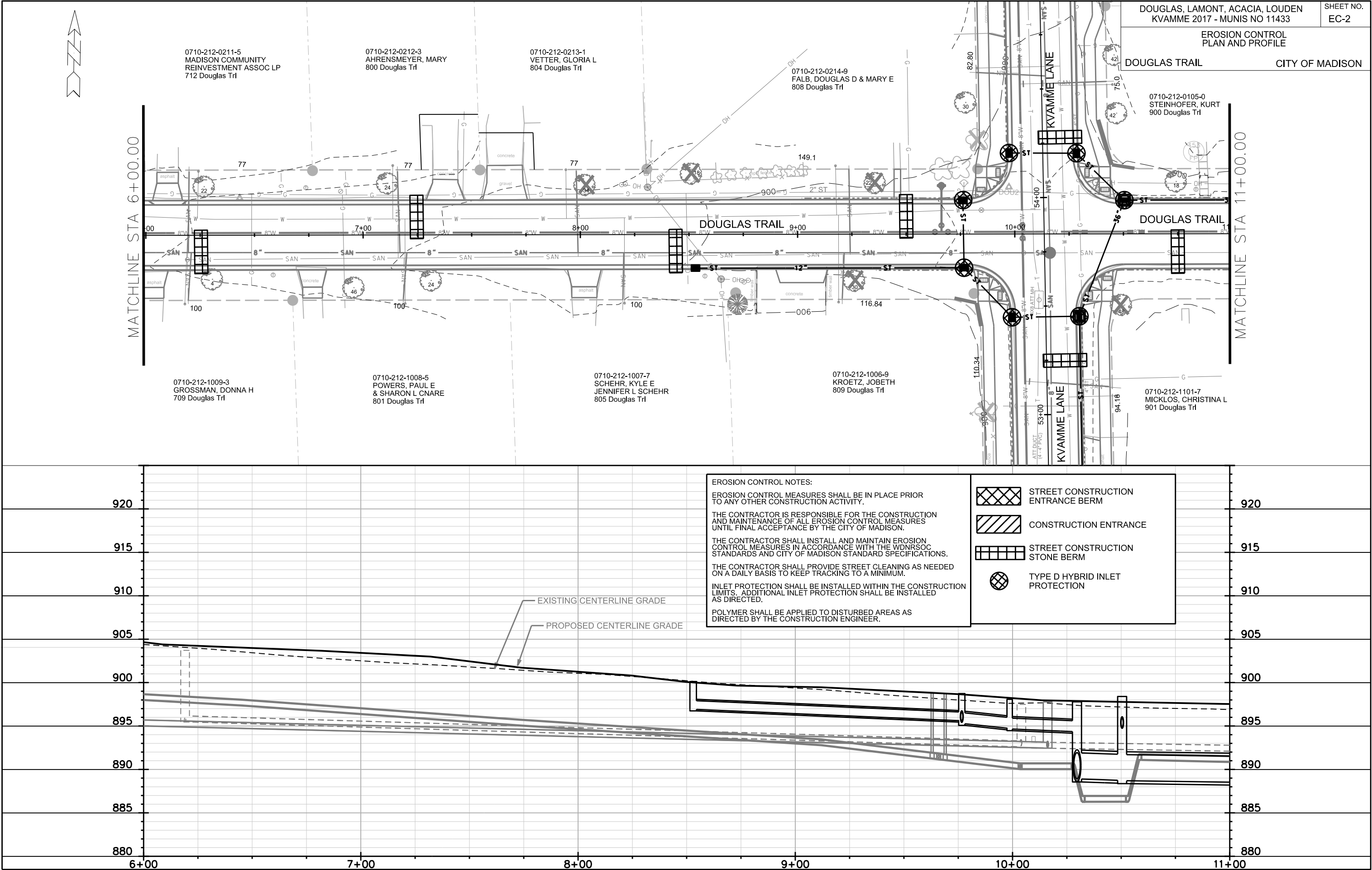
- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER E-1 12.5mm
- ③ 2.25" BITUMINOUS LOWER LAYER E-1 19mm
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER (TYPE X WHERE NOTED ON PLAN)
- ⑦ FILL, INCIDENTAL
- ⑧ 4" TOPSOIL, SEED & MAT
- ⑨ 5" CONCRETE SIDEWALK, 7" AT DRIVEWAY LOCATIONS
- ⑩ 2" SELECT FILL (3" GRADATION 3 WHERE SLOPE EXCEEDS 5%)
- ⑪ 1.75" BITUMINOUS UPPER LAYER E-0.3 12.5mm
- ⑫ 1.75" BITUMINOUS LOWER LAYER E-0.3 12.5mm

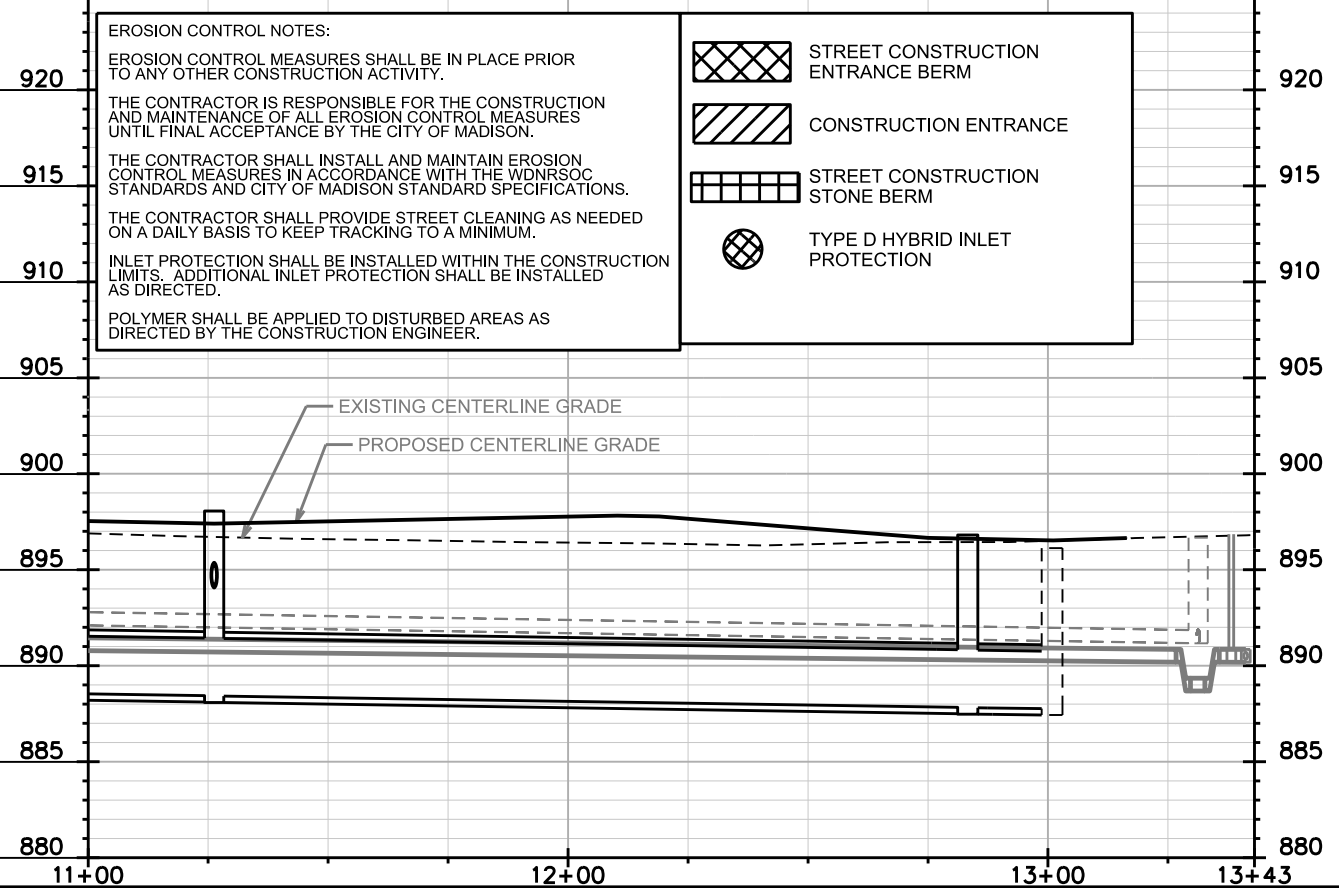
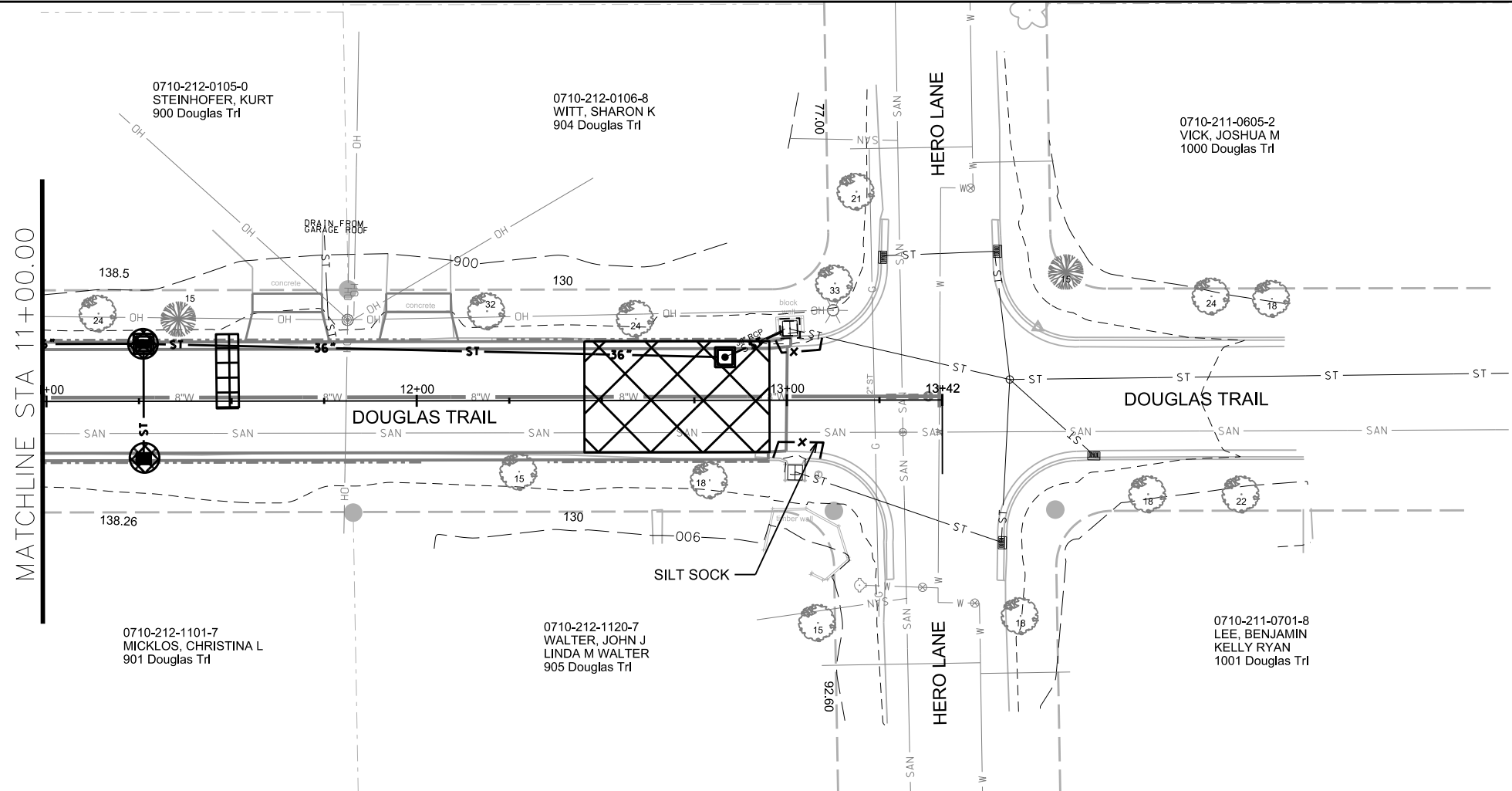
SEE CROSS SECTION SHEETS FOR CROSS
SLOPES, TOP OF CURB AND BACK OF WALK ELEVATIONS.

*WHERE SLOPES EXCEED 4:1, INSTALL RETAINING WALL.
SEE PLAN AND CROSS SECTIONS FOR LOCATIONS

TYPICAL SECTIONS NOT TO SCALE







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.

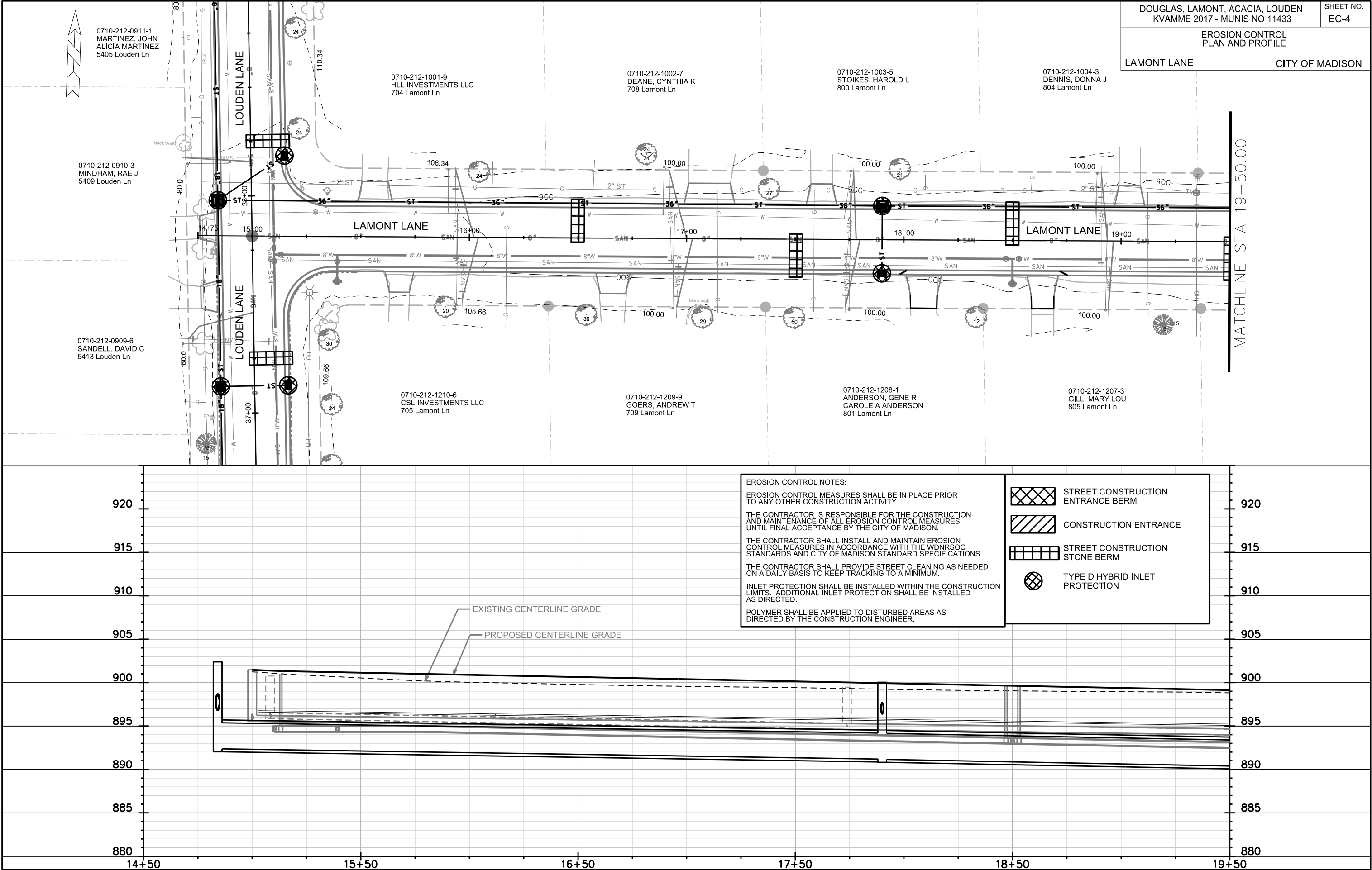
POLYMER SHALL BE APPLIED TO DISTURBED AREAS AS DIRECTED BY THE CONSTRUCTION ENGINEER.

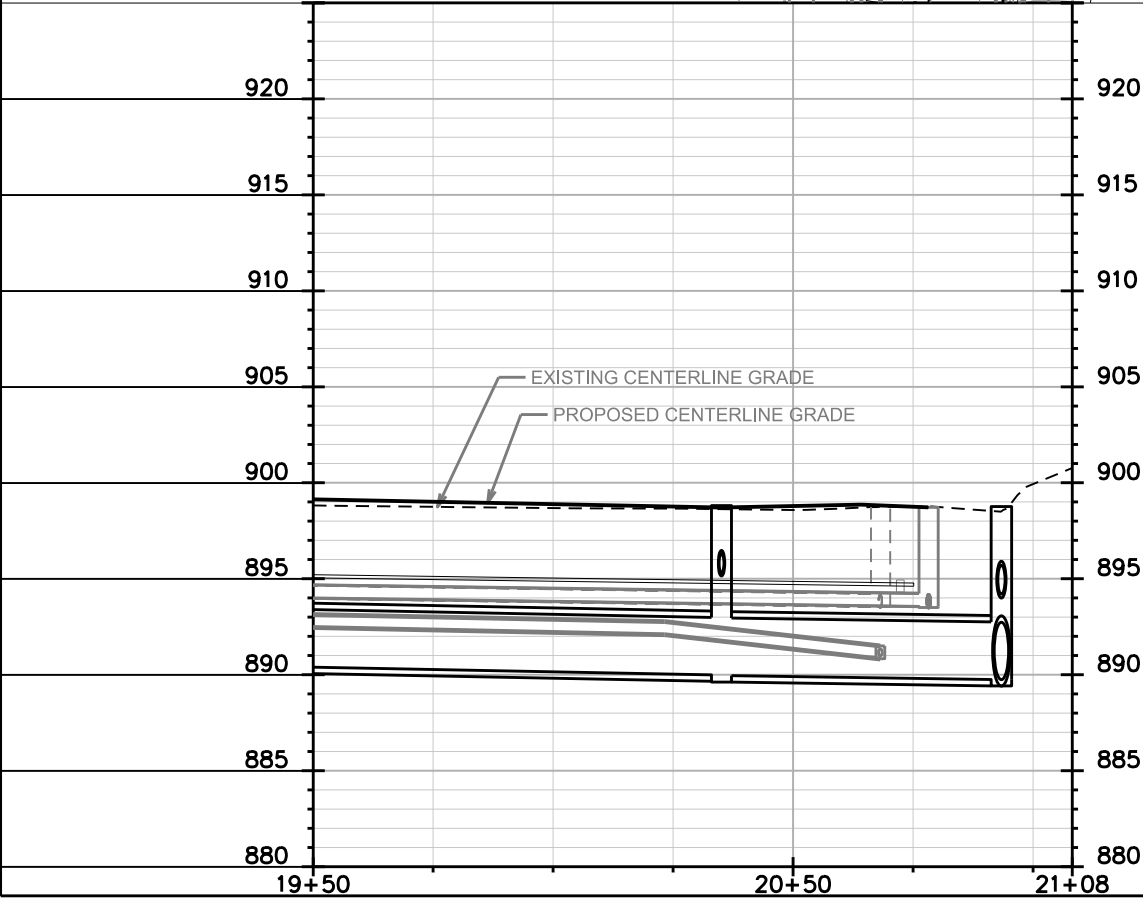
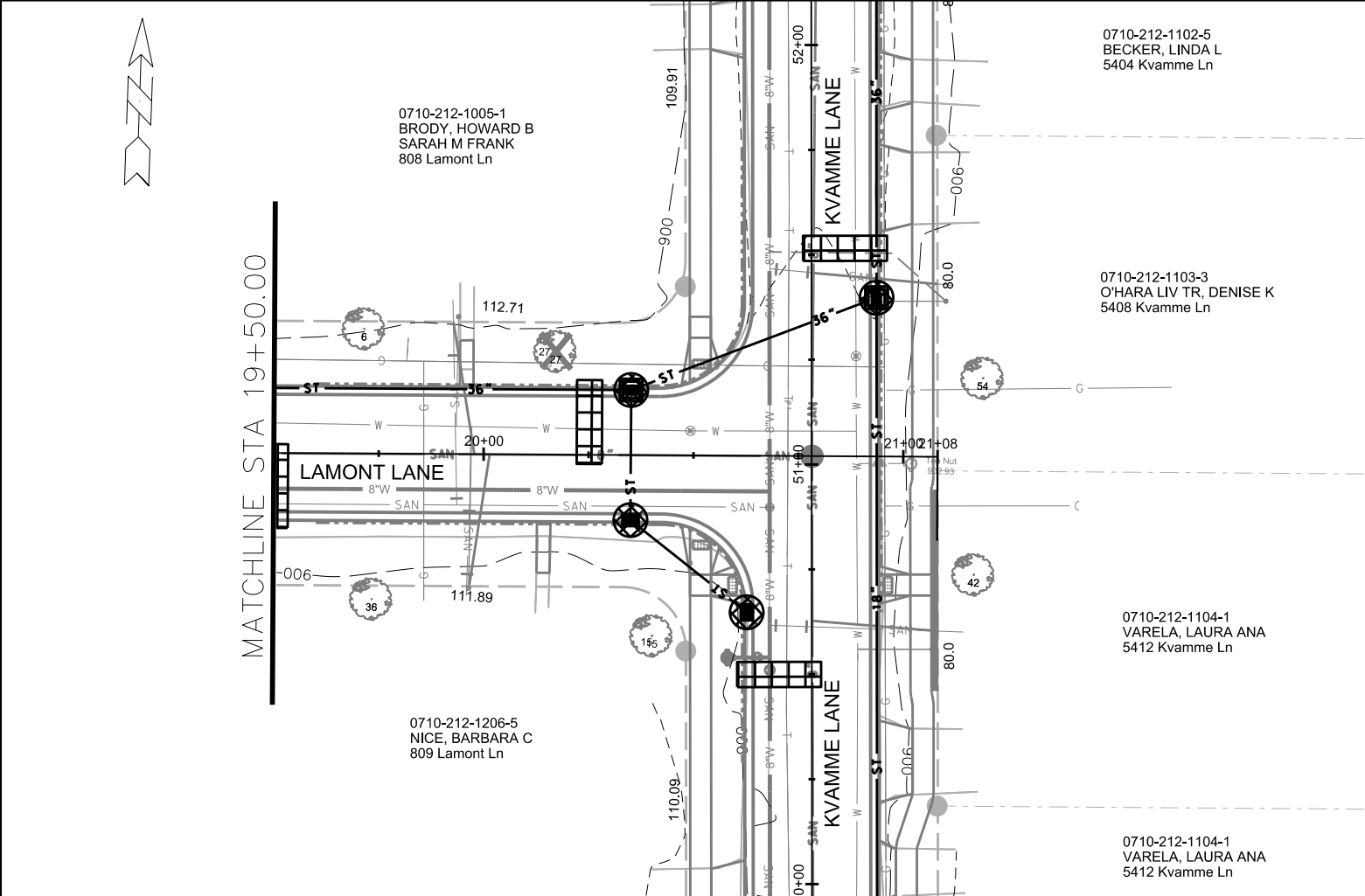
STREET CONSTRUCTION ENTRANCE BERM

CONSTRUCTION ENTRANCE

STREET CONSTRUCTION STONE BERM

TYPE D HYBRID INLET PROTECTION





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STREET CONSTRUCTION ENTRANCE BERM

CONSTRUCTION ENTRANCE

STREET CONSTRUCTION STONE BERM

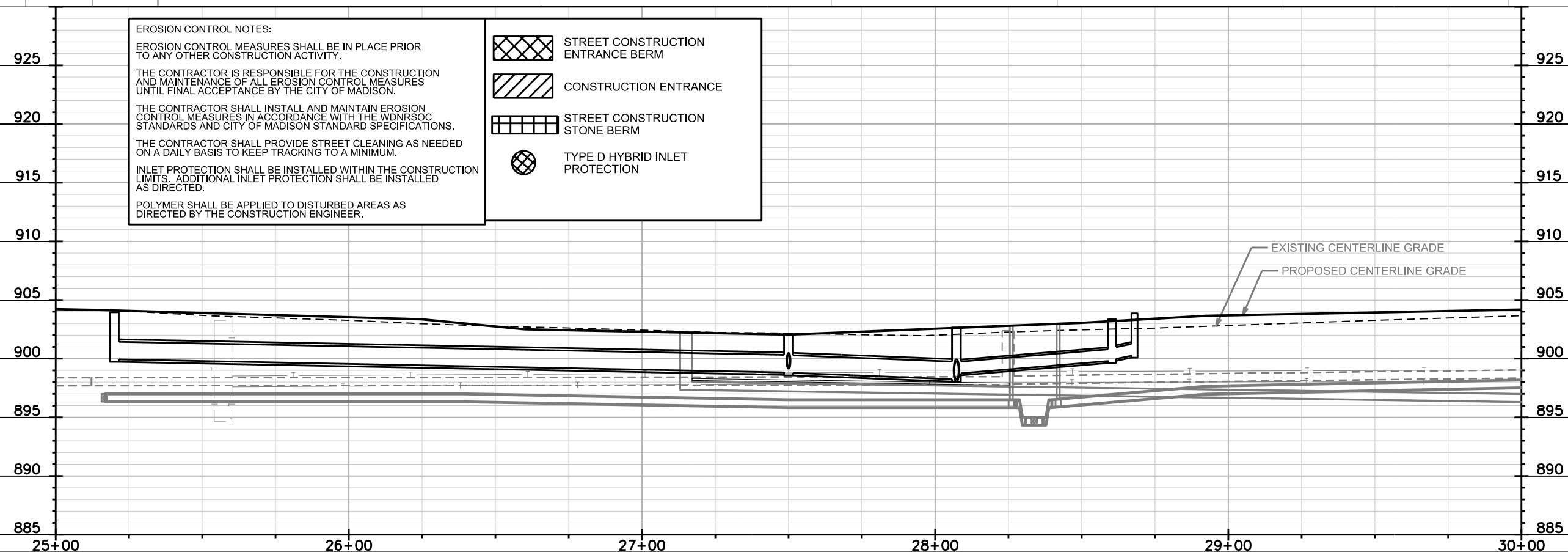
TYPE D HYBRID INLET PROTECTION

ACACIA LANE CITY OF MADISON



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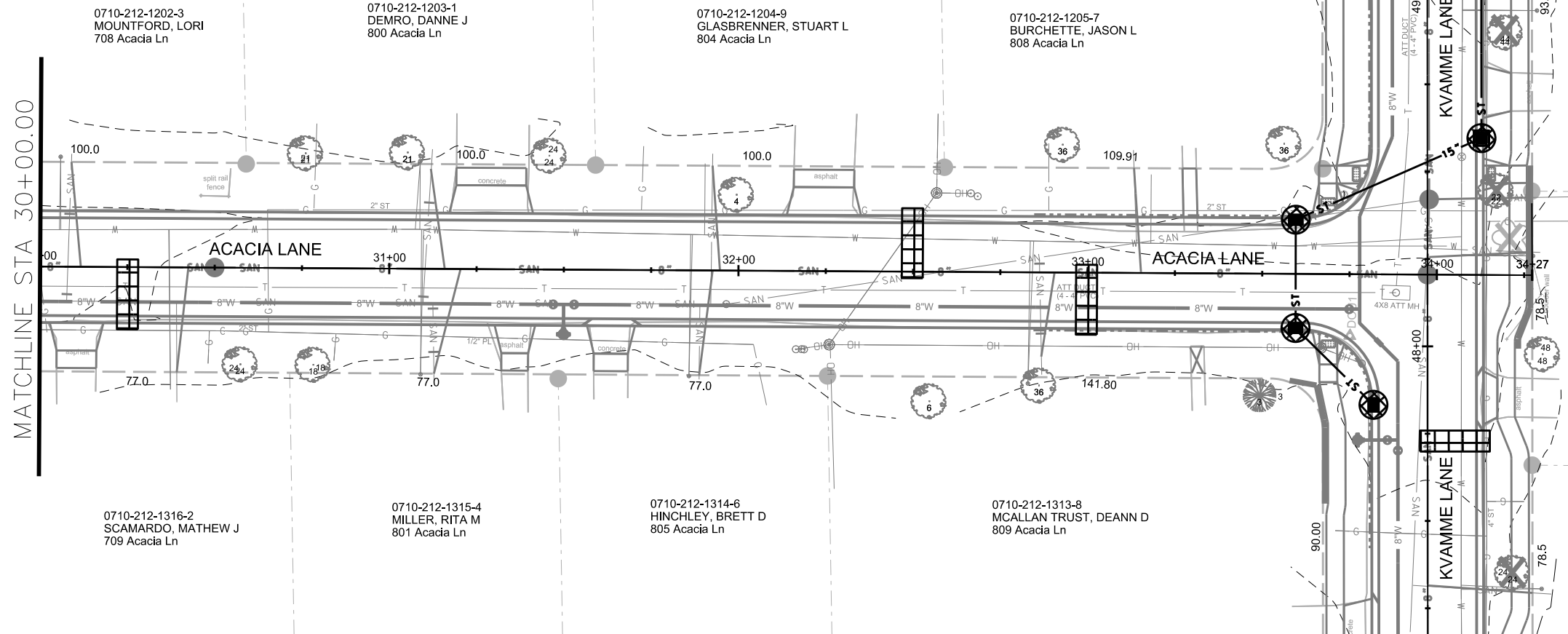
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|  | STREET CONSTRUCTION
ENTRANCE BERM |
|  | CONSTRUCTION ENTRANCE |
|  | STREET CONSTRUCTION
STONE BERM |
|  | TYPE D HYBRID INLET
PROTECTION |



0710-212-1106-7
KLITZKIE, DOUGLAS L
5420 Kvamme Ln

0710-212-1107-5
GOTTESFELD, TERRY
5500 Kvamme Ln

0710-212-1108-3
JANSEN, BRIAN L
& DANA LAMB JANSEN
5504 Kvamme Ln



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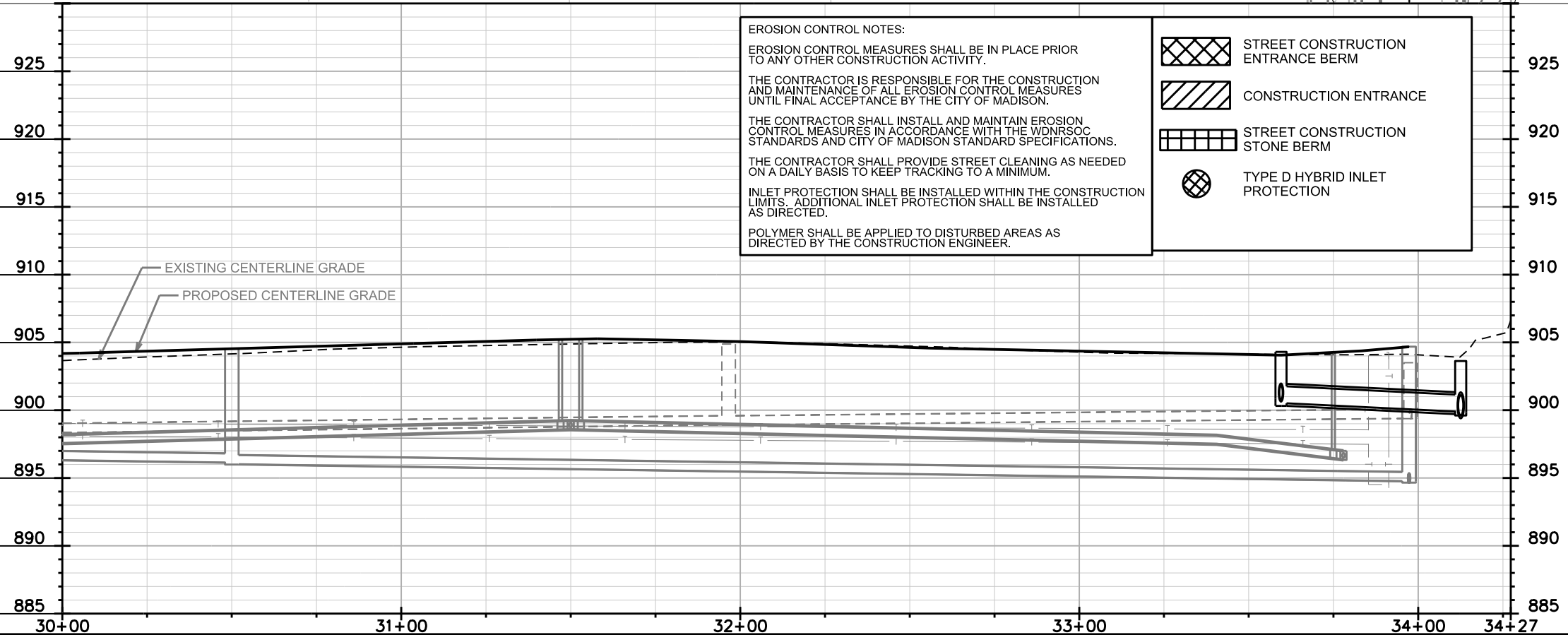
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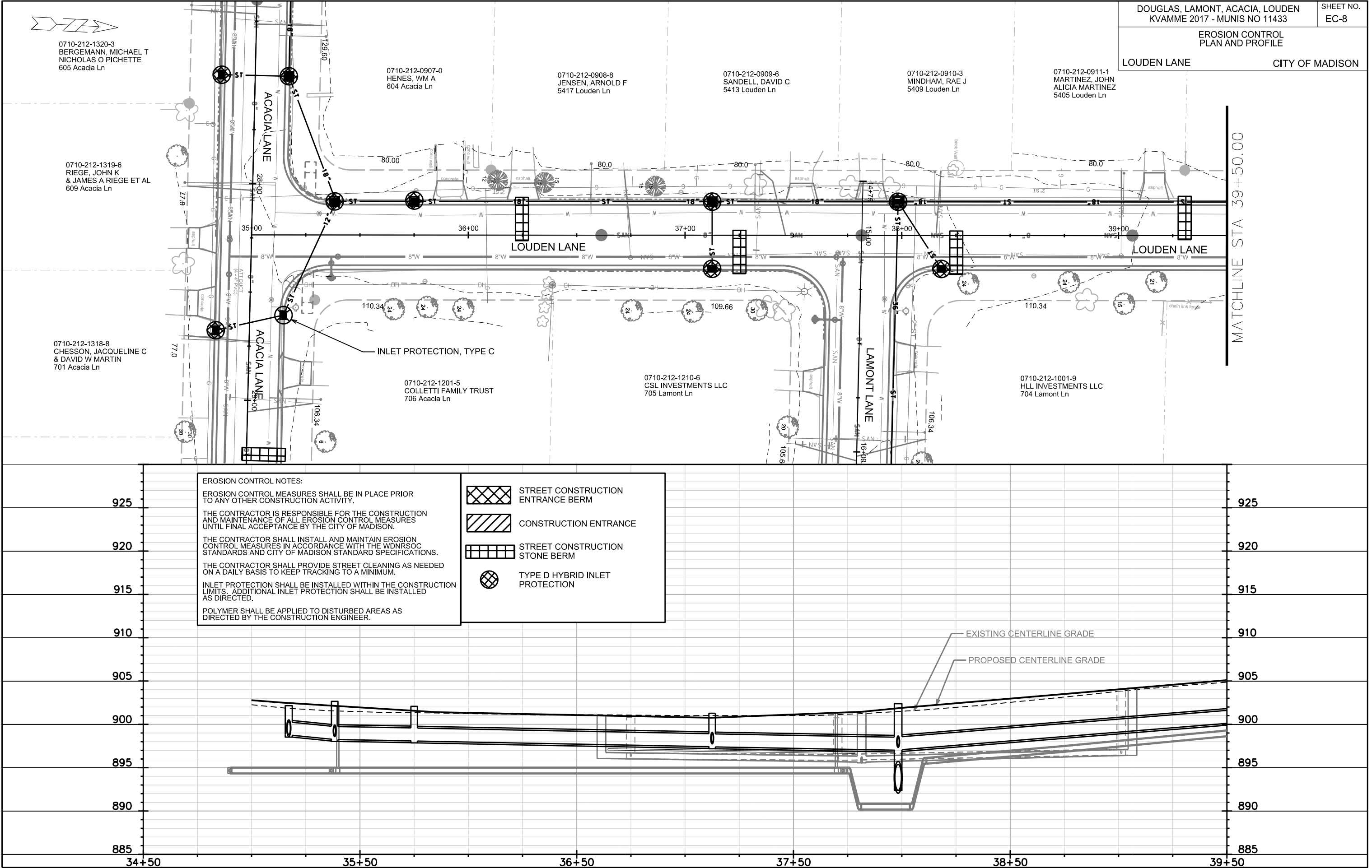
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STREET CONSTRUCTION ENTRANCE BERM

CONSTRUCTION ENTRANCESTREET CONSTRUCTION STONE BERMTYPE D HYBRID INLET PROTECTION



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BERGEMANN, MICHAEL T
NICHOLAS O PICHETTE
605 Acacia Ln

0710-212-1319-6
RIEGE, JOHN K
& JAMES A RIEGE ET AL
609 Acacia Ln

0710-212-1318-8
CHESSON, JACQUELINE C
& DAVID W MARTIN
701 Acacia Ln

0710-212-0907-0
HENES, WM A
604 Acacia Ln

0710-212-0908-8
JENSEN, ARNOLD F
5417 Loudon Ln

0710-212-0909-6
SANDELL, DAVID C
5413 Loudon Ln

0710-212-0910-3
MINDHAM, RAE J
5409 Loudon Ln

0710-212-0911-1
MARTINEZ, JOHN
ALICIA MARTINEZ
5405 Loudon Ln

0710-212-1201-5
COLLETTI FAMILY TRUST
706 Acacia Ln

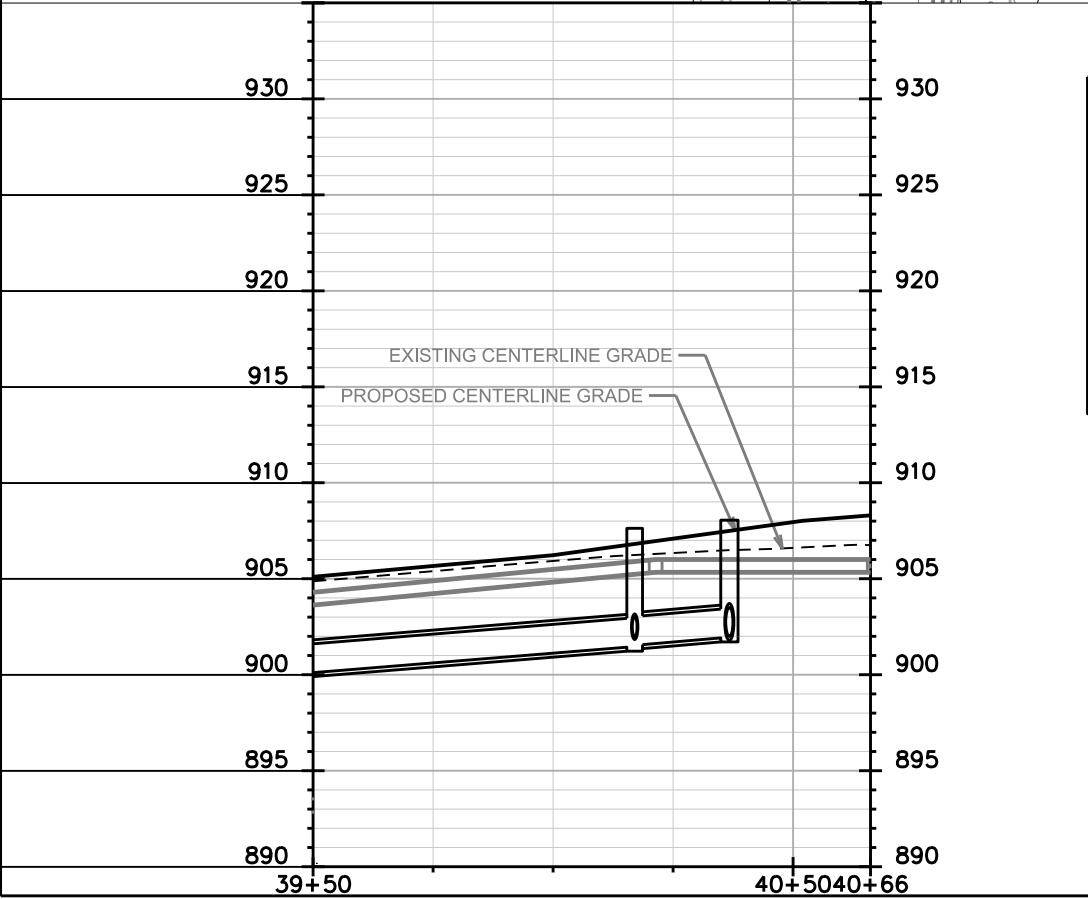
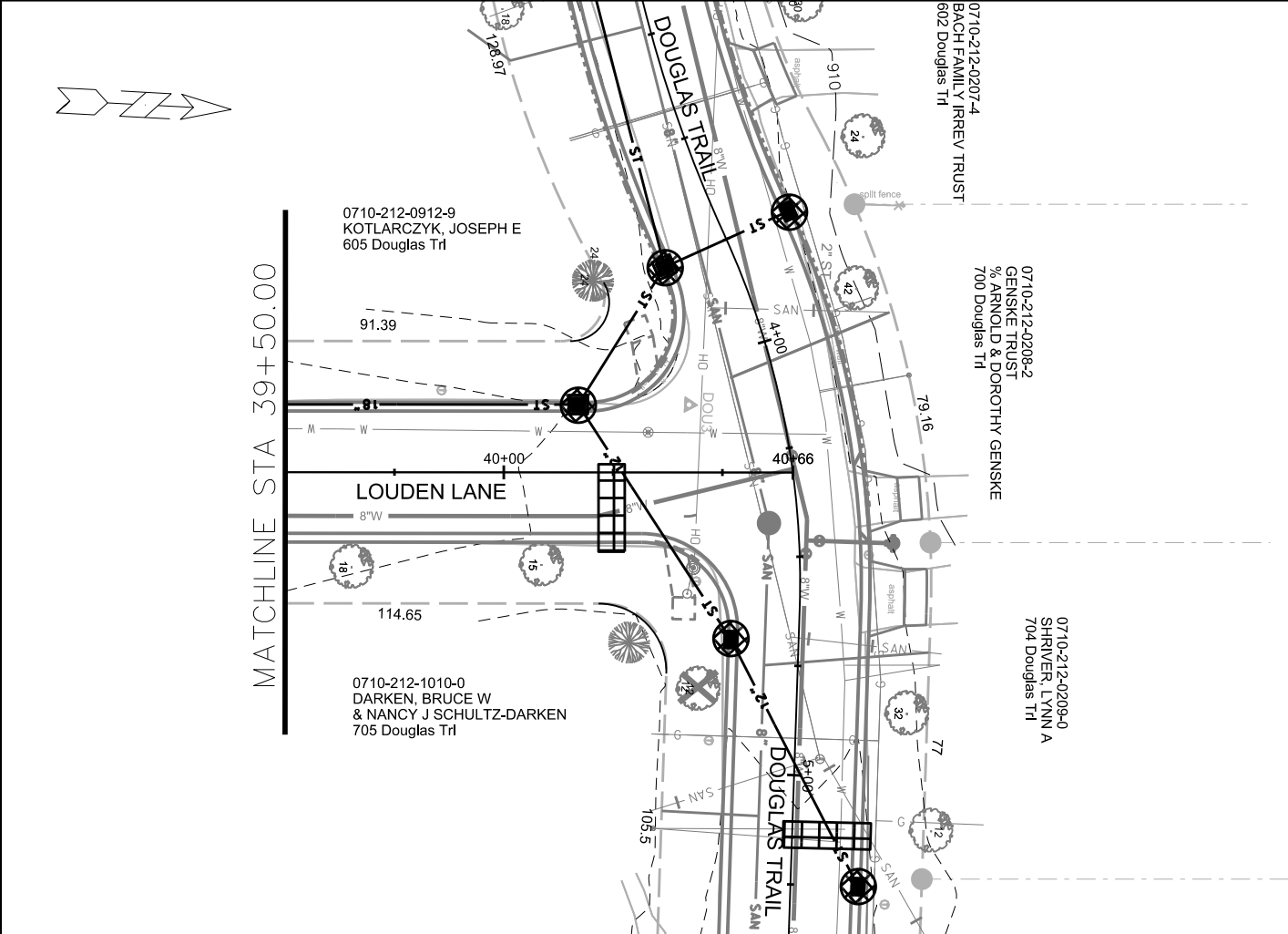
0710-212-1210-6
CSL INVESTMENTS LLC
705 Lamont Ln

0710-212-1001-9
HLL INVESTMENTS LLC
704 Lamont Ln

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- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- STREET CONSTRUCTION STONE BERM
- TYPE D HYBRID INLET PROTECTION

EXISTING CENTERLINE GRADE
PROPOSED CENTERLINE GRADE



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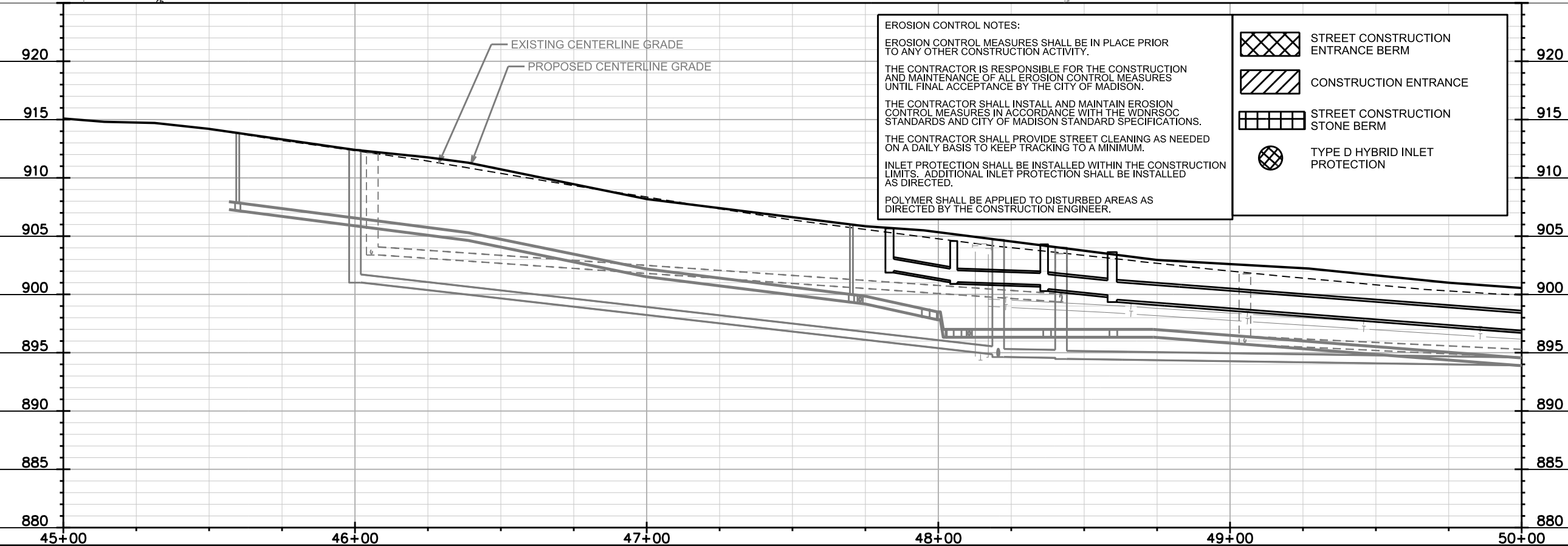
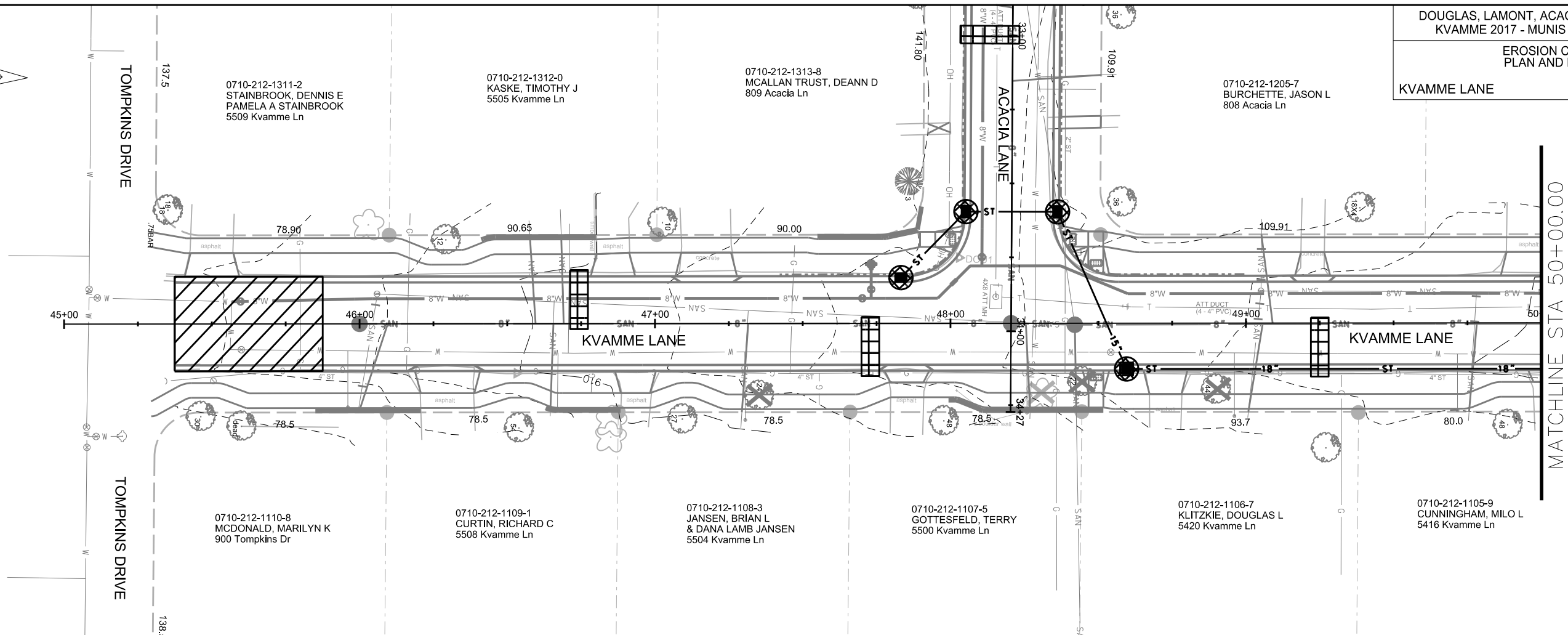
STREET CONSTRUCTION
ENTRANCE BERM

CONSTRUCTION ENTRANCE

STREET CONSTRUCTION
STONE BERM

TYPE D HYBRID INLET
PROTECTION

KVAMME LANE CITY OF MADISON



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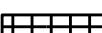
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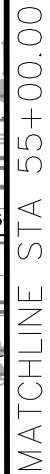
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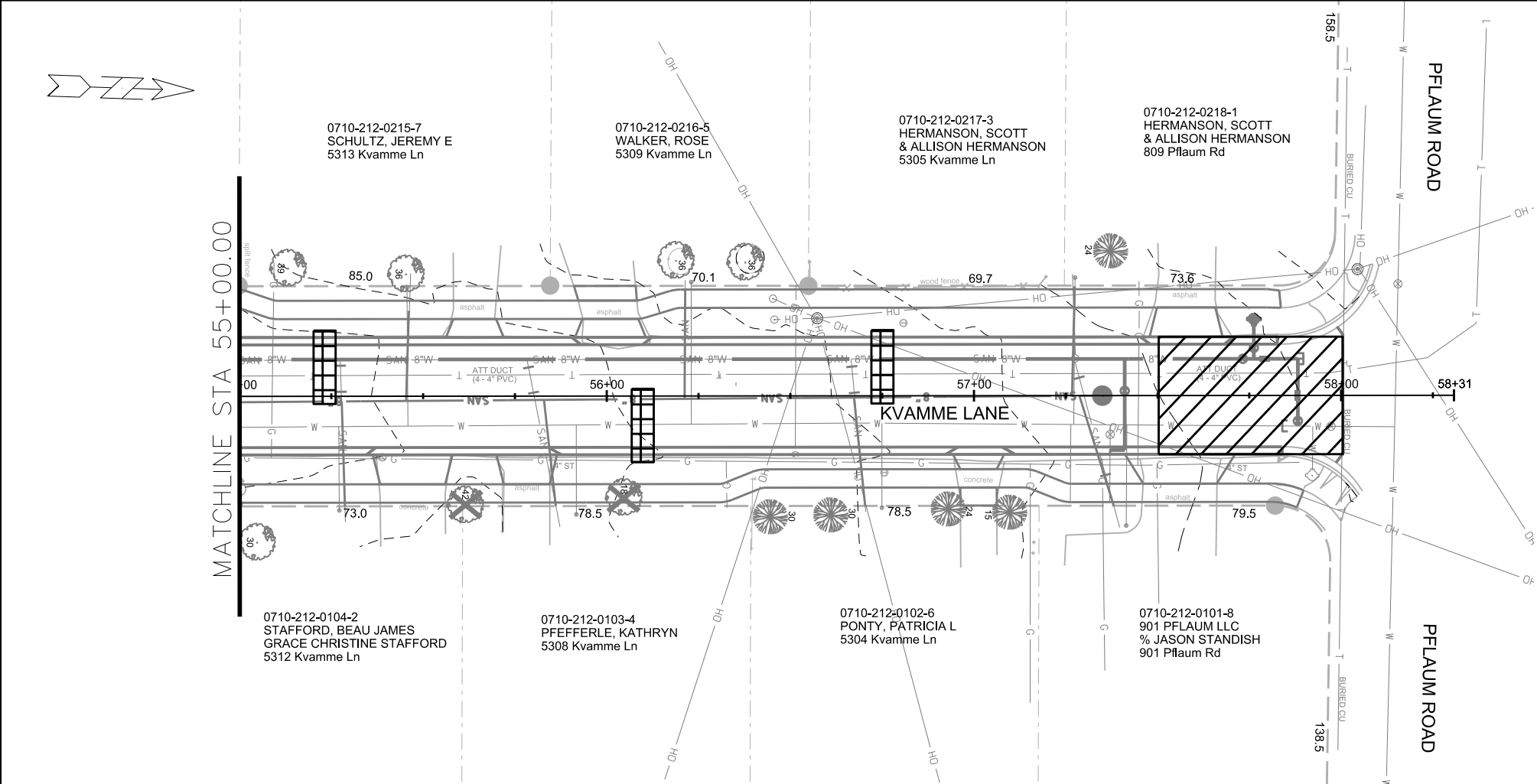
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- | | |
|---|--------------------------------------|
|  | STREET CONSTRUCTION
ENTRANCE BERM |
|  | CONSTRUCTION ENTRANCE |
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CITY OF MADISON





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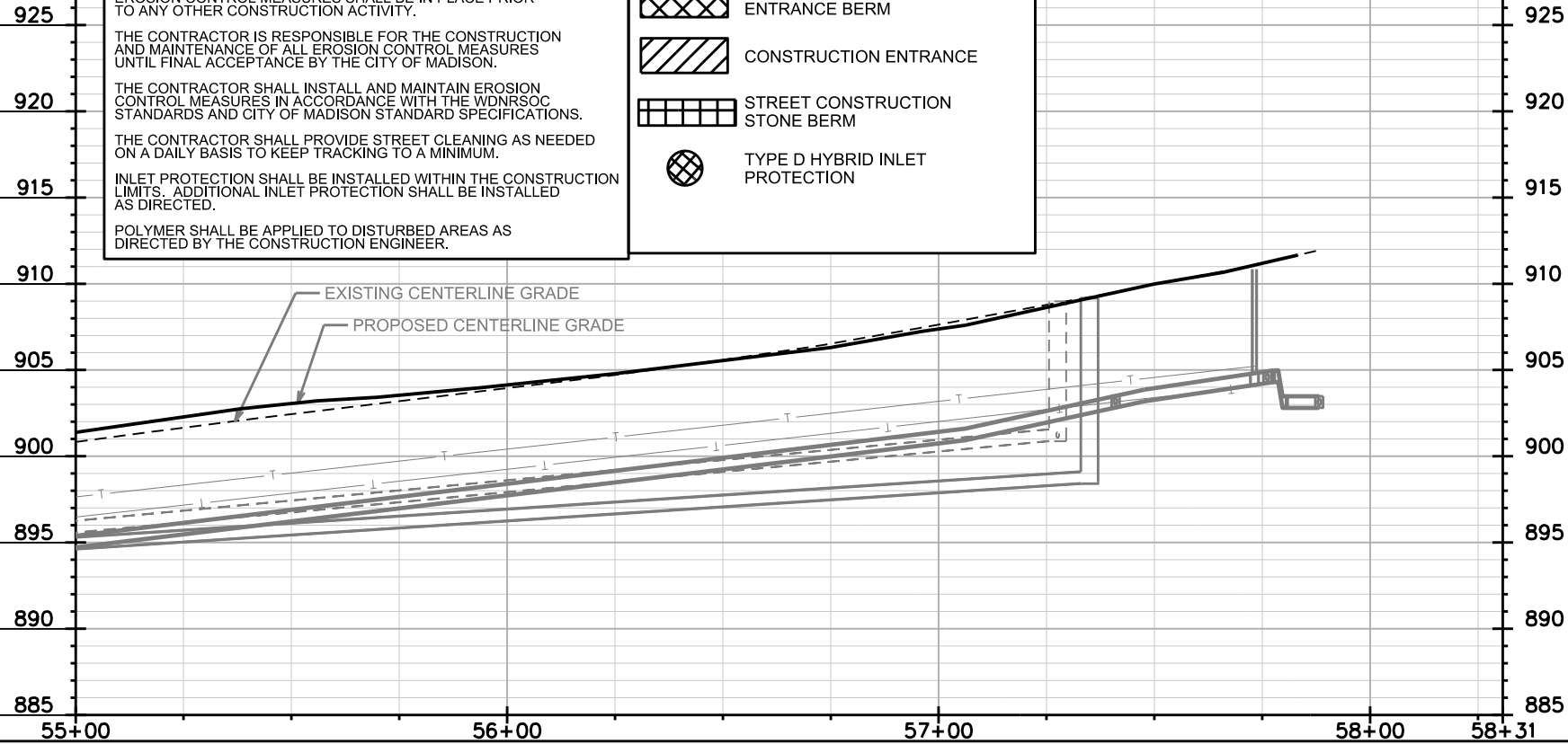
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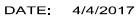
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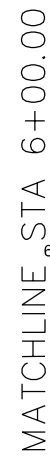
- STREET CONSTRUCTION ENTRANCE BERM
- CONSTRUCTION ENTRANCE
- STREET CONSTRUCTION STONE BERM
- TYPE D HYBRID INLET PROTECTION

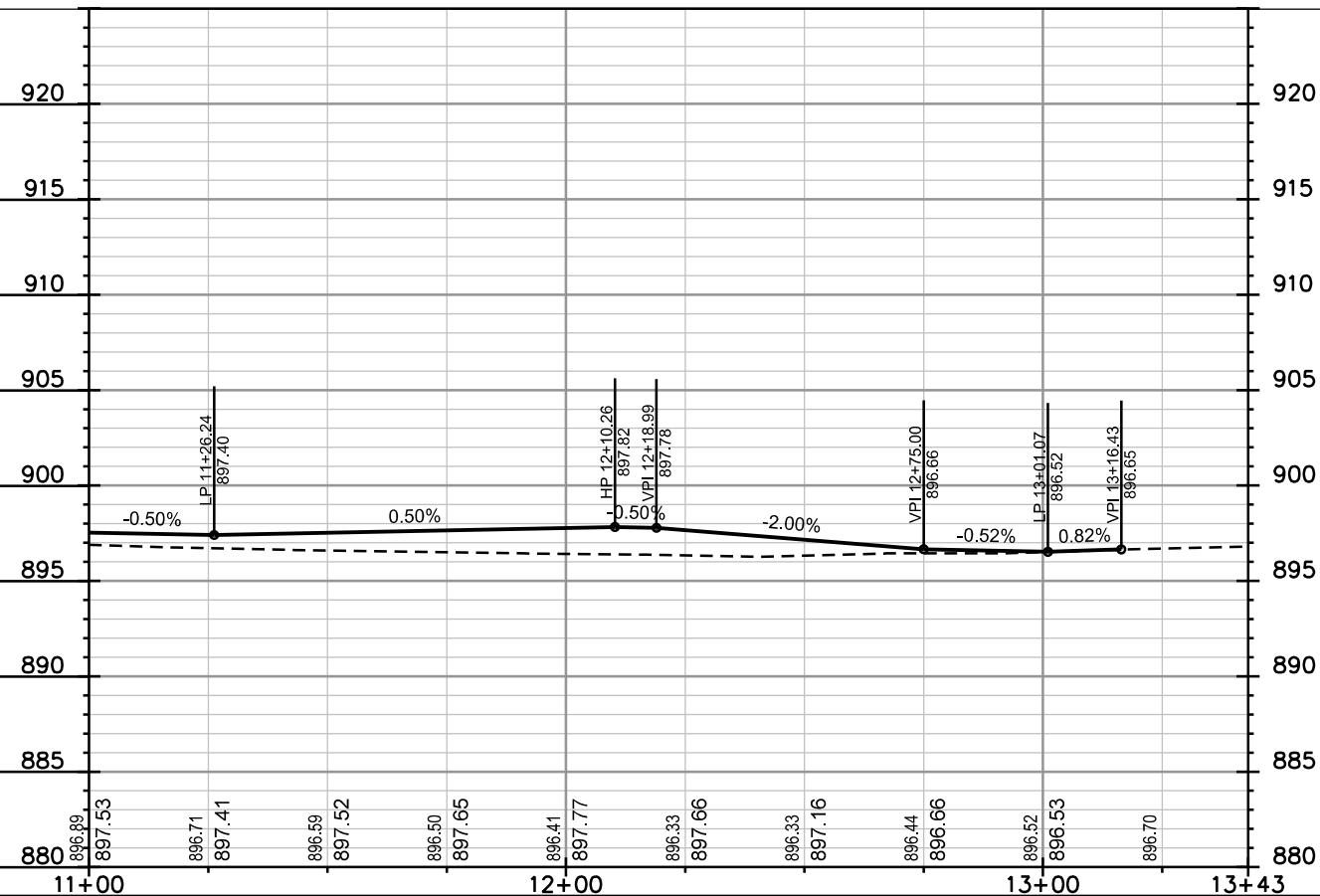
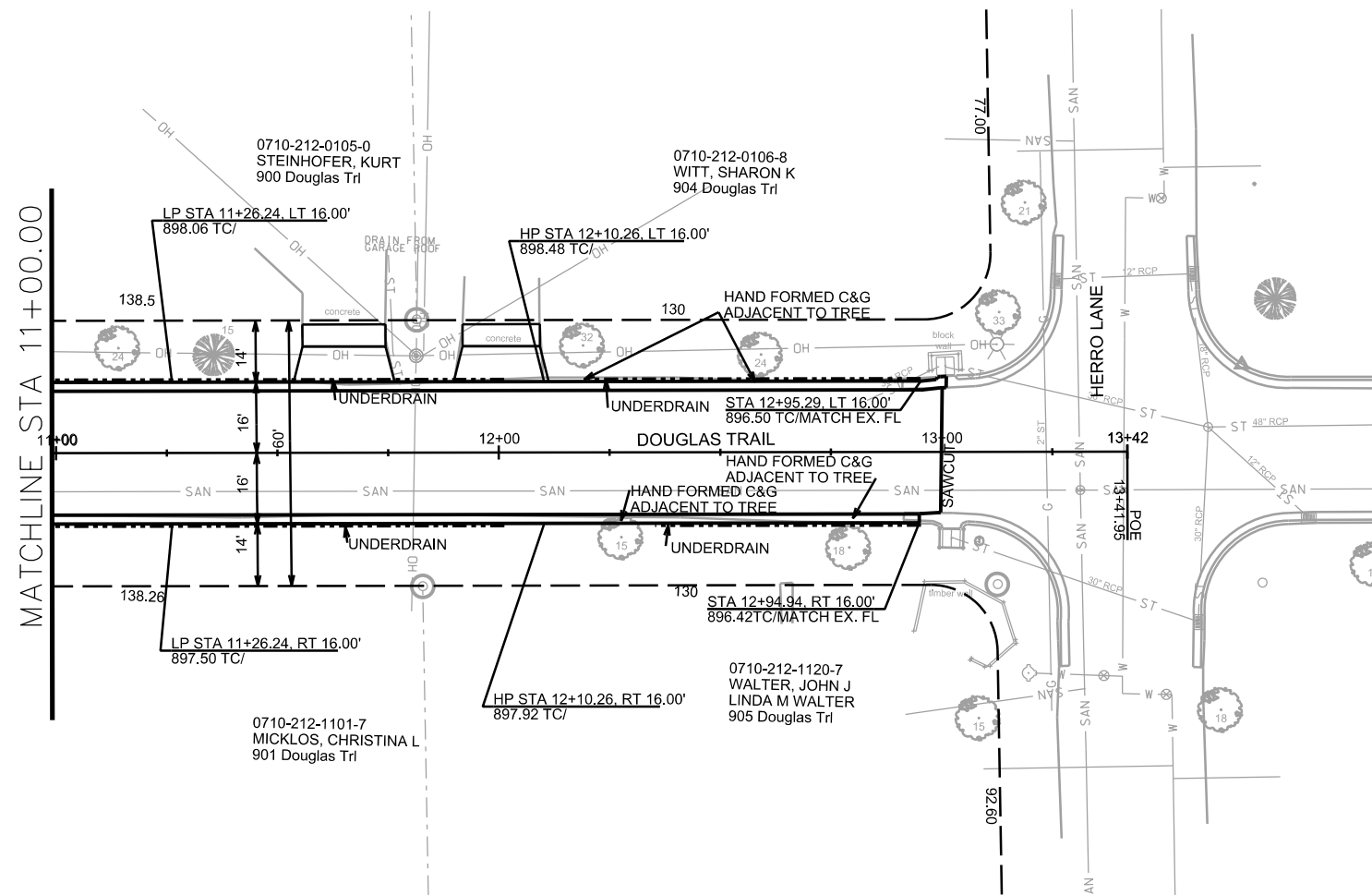


DOUGLAS TRAIL CITY OF MADISON



DOUGLAS TRAIL CITY OF MADISON





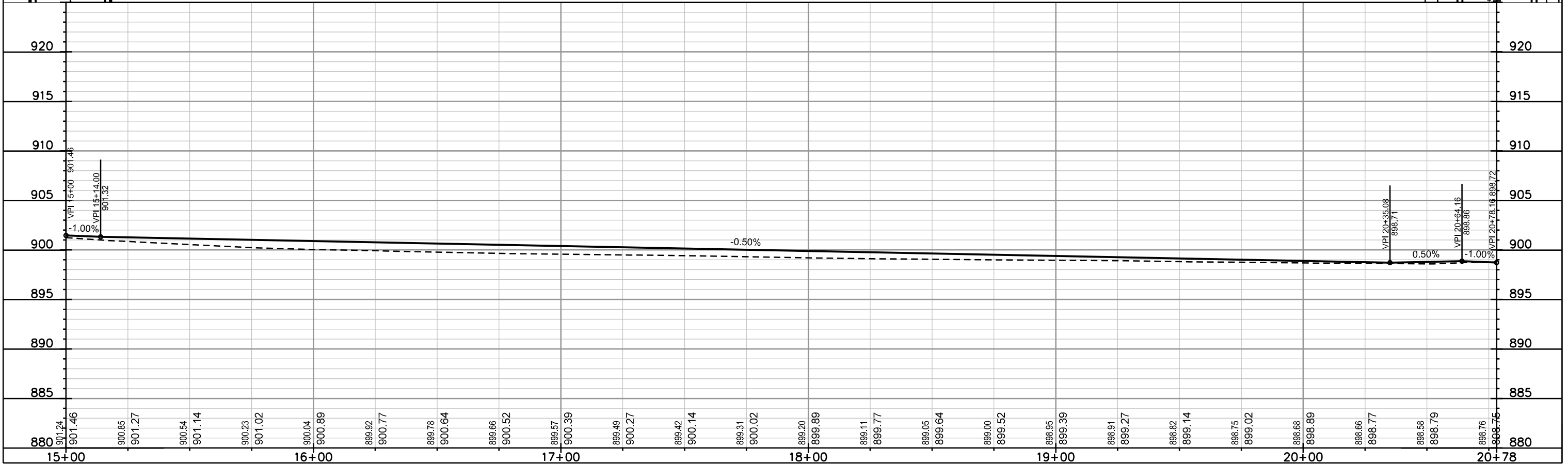
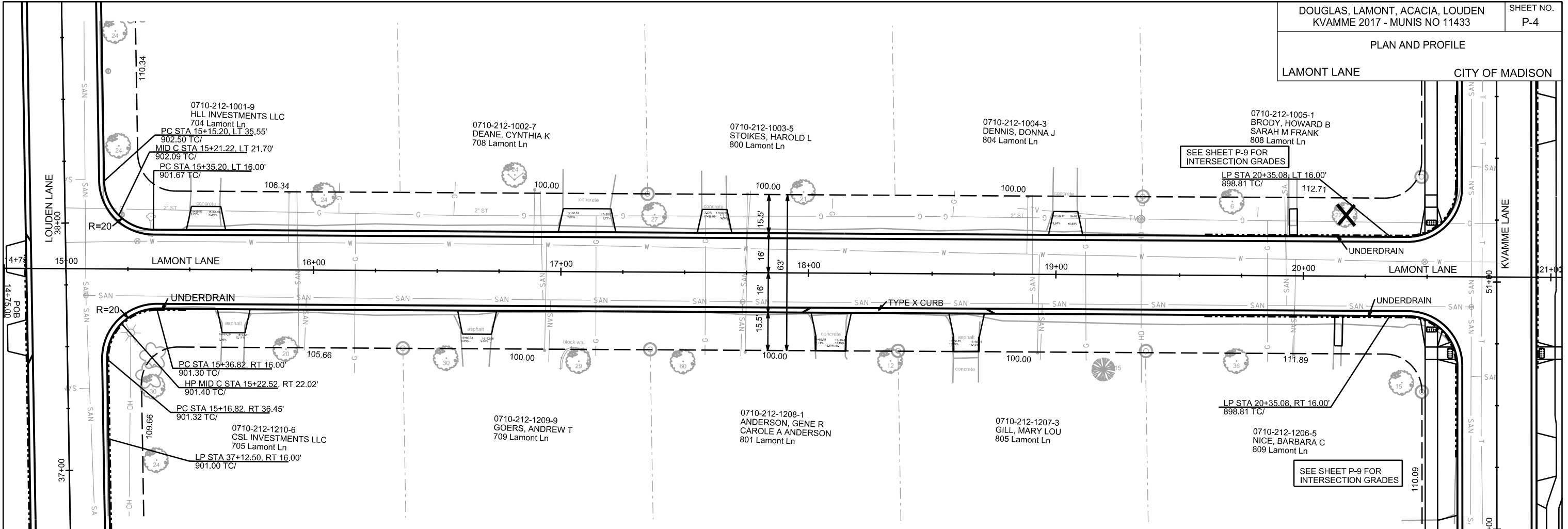


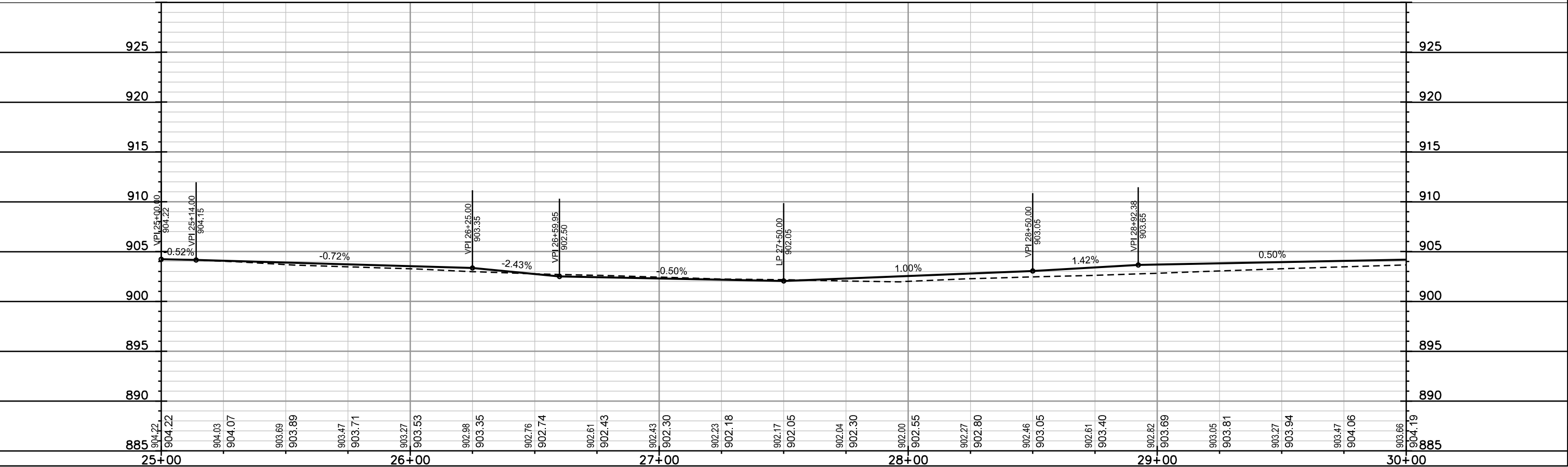
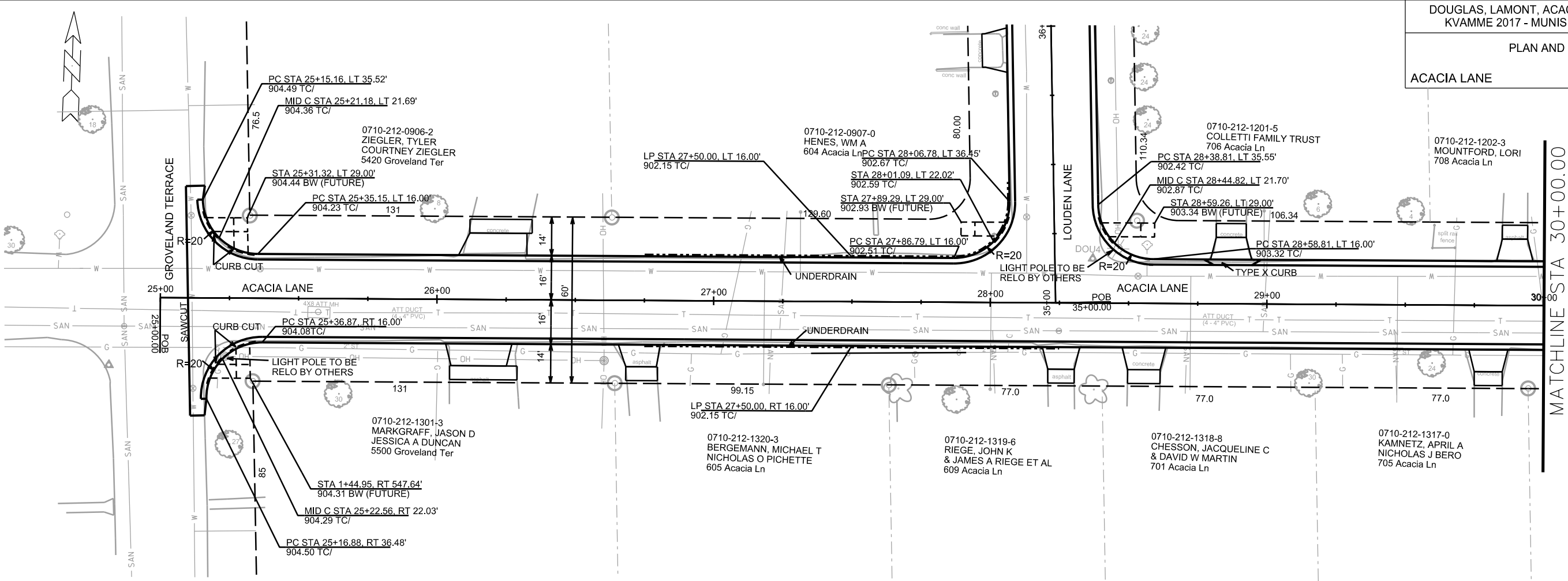
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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





PLOT SCALE: _____

PLOT NAME: _____

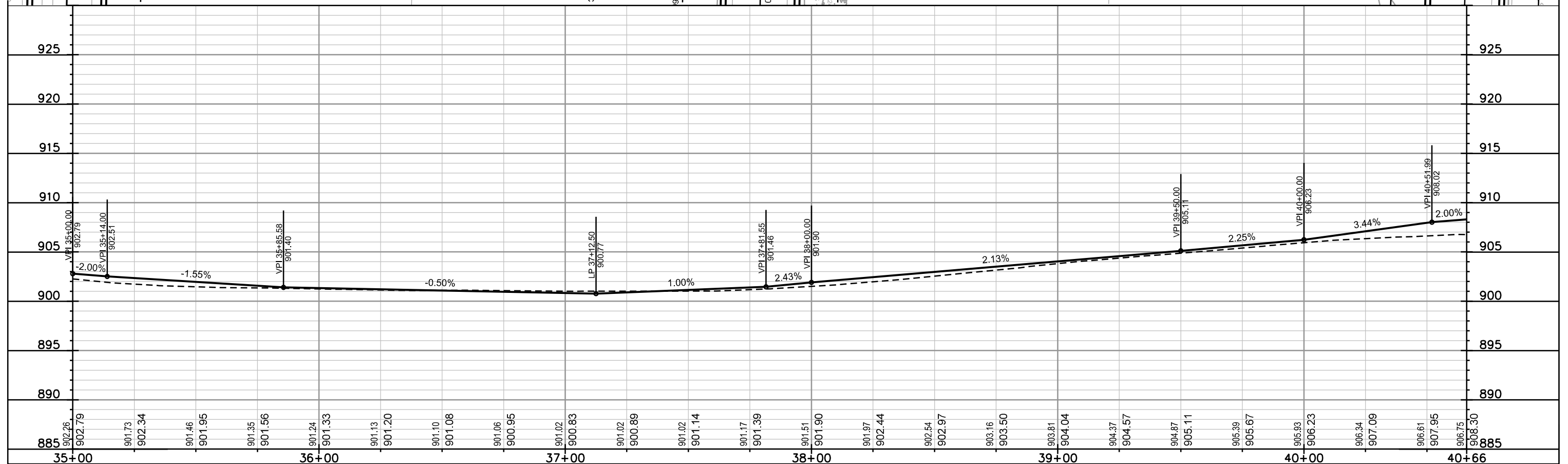
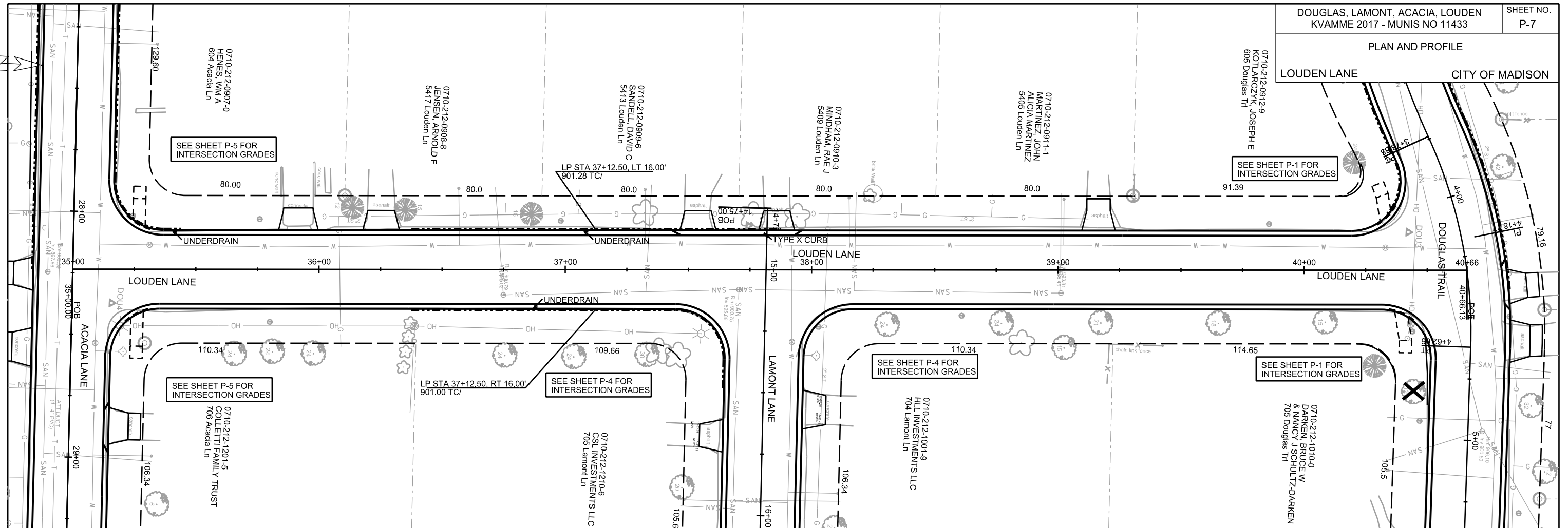
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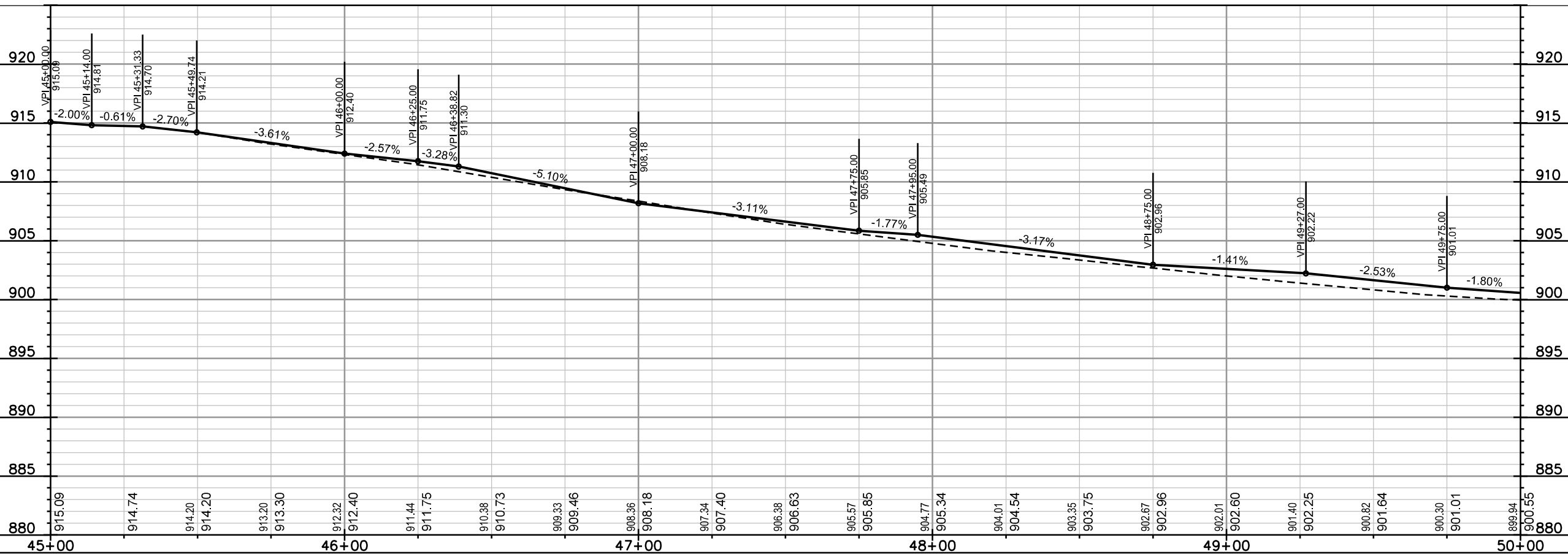
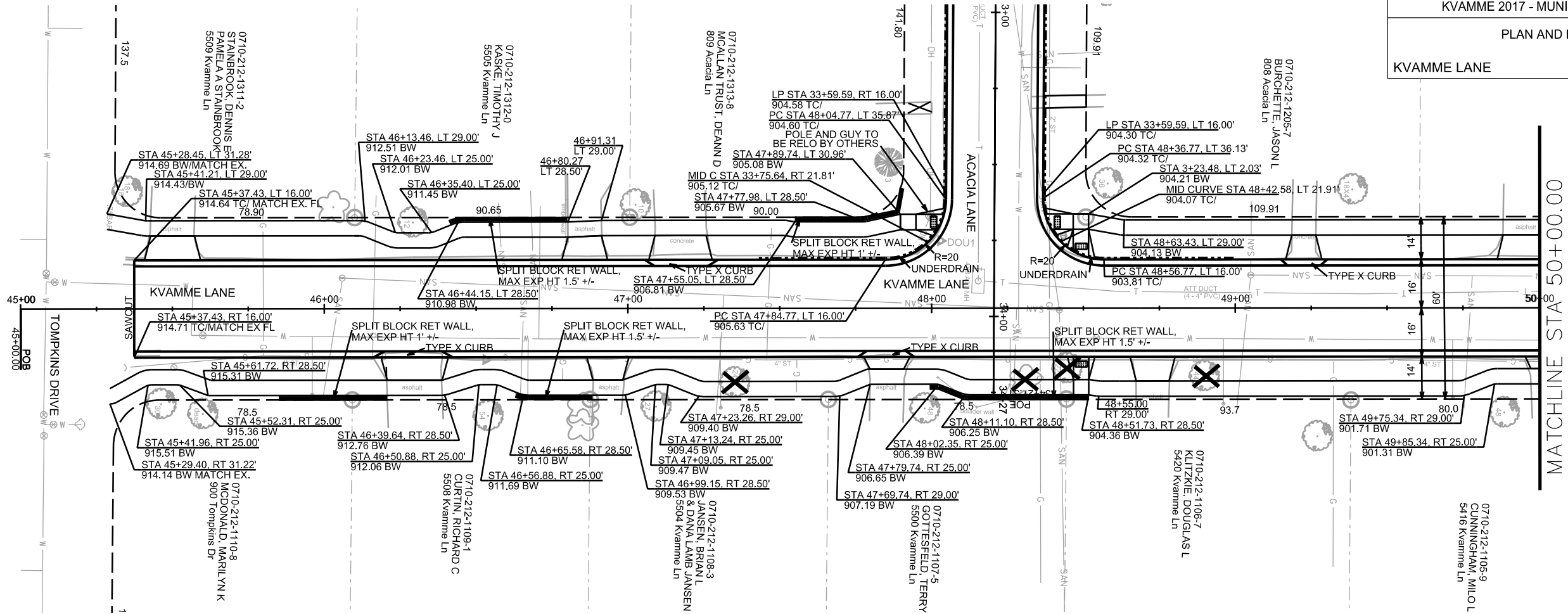
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CITY OF MADISON

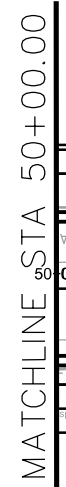


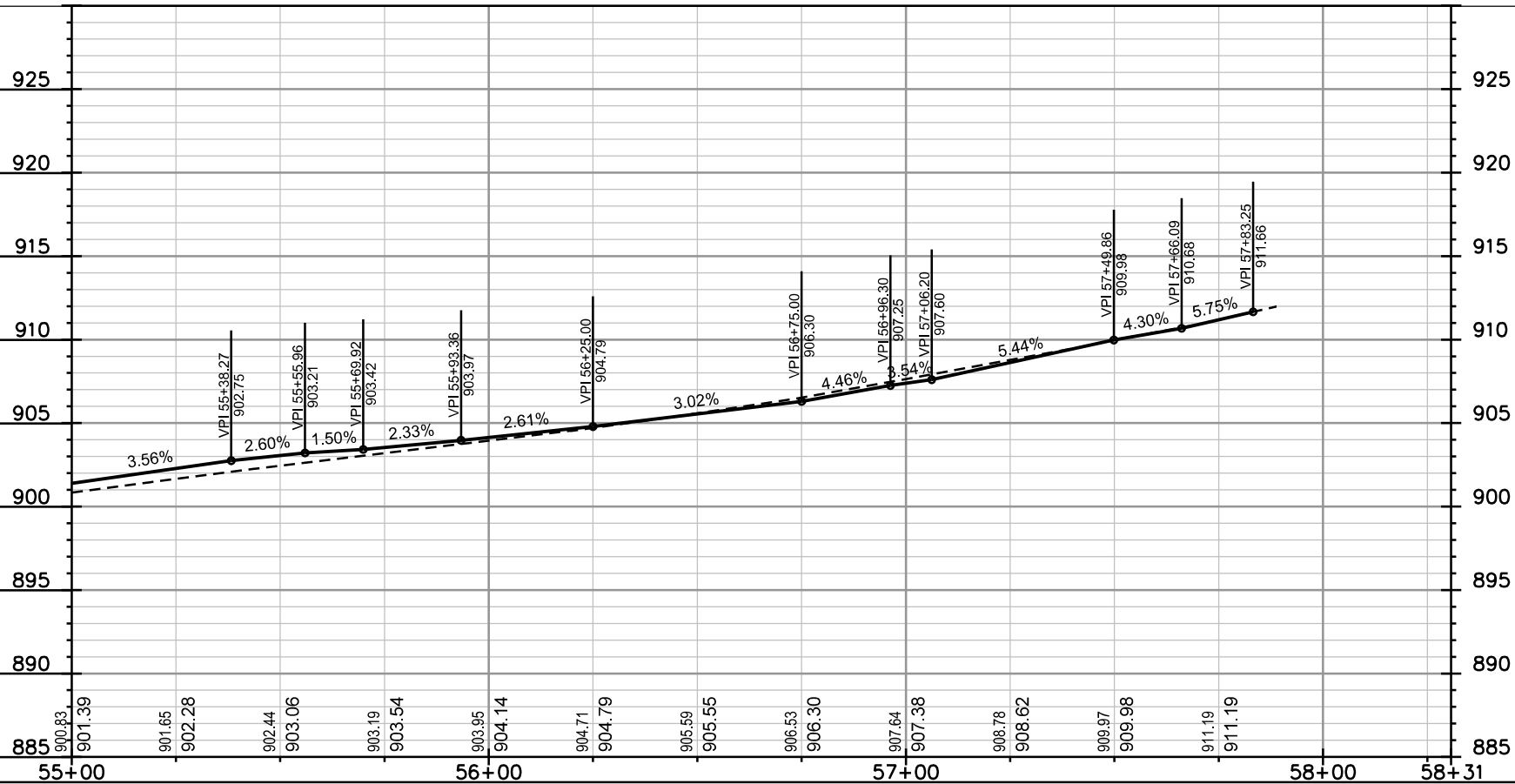
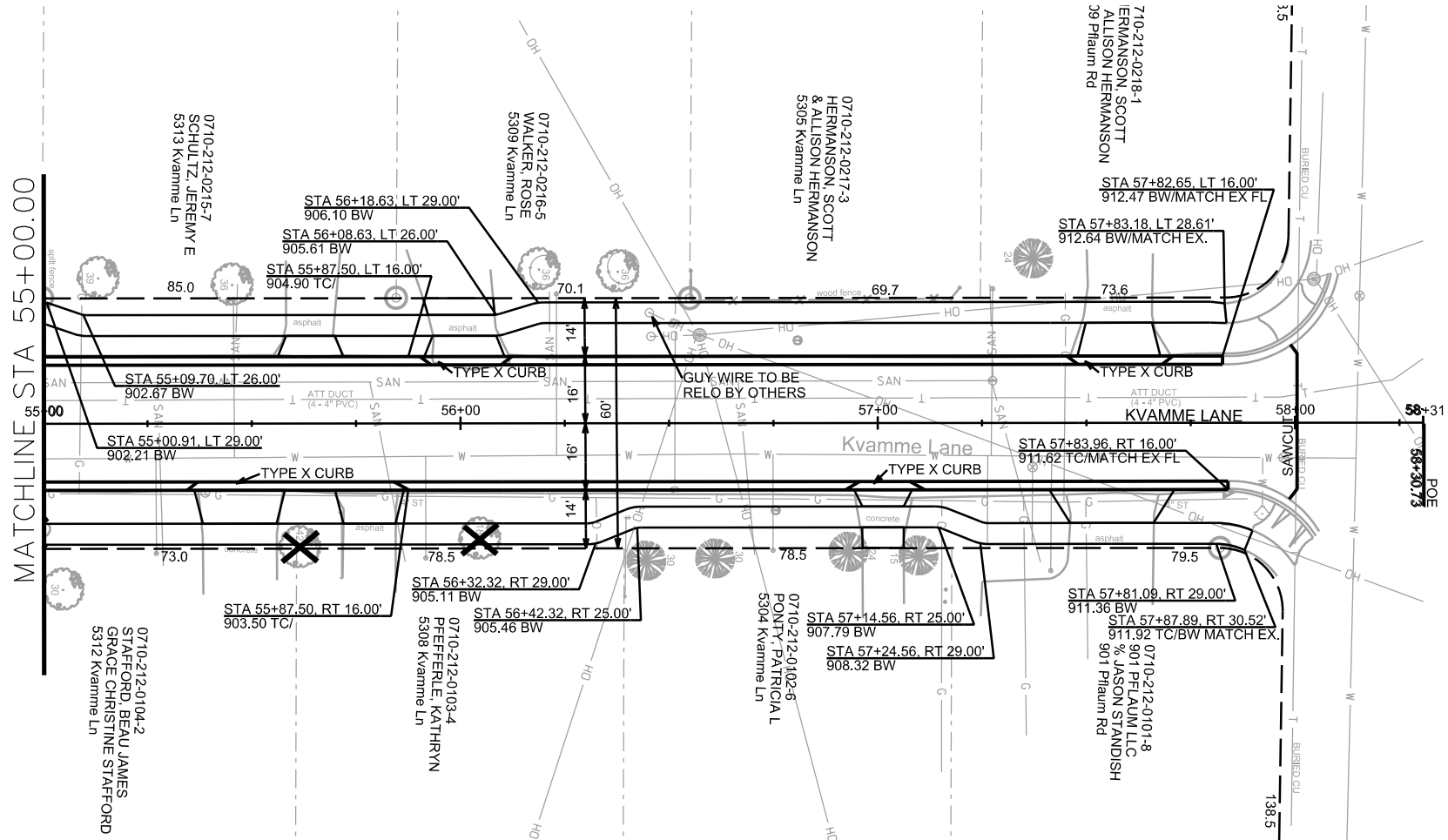
PLAN AND PROFILE

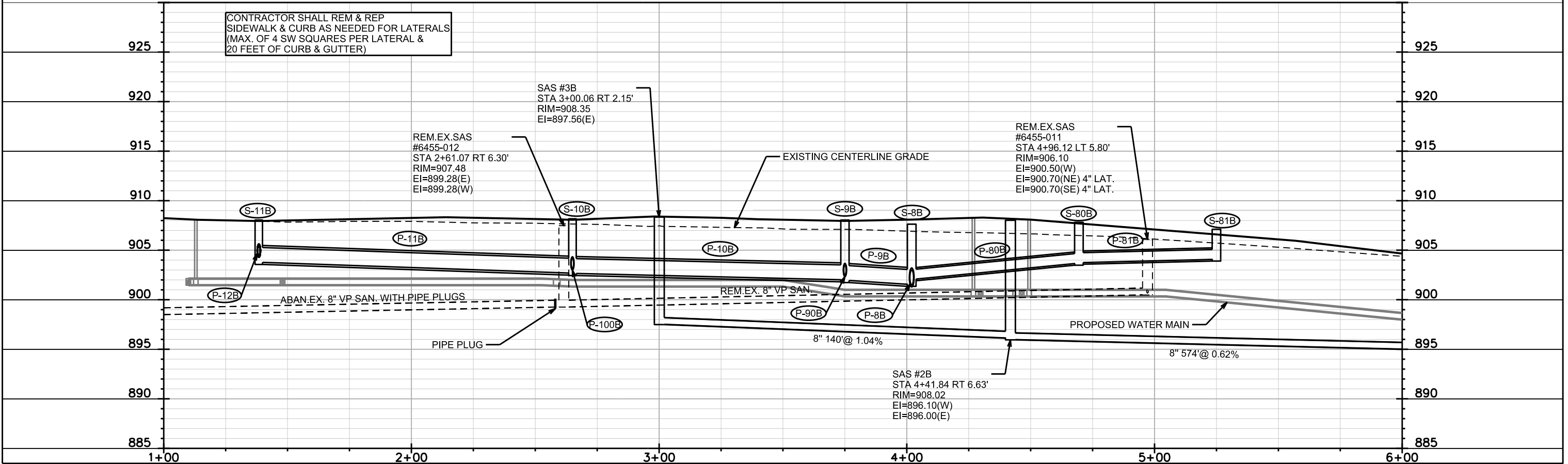
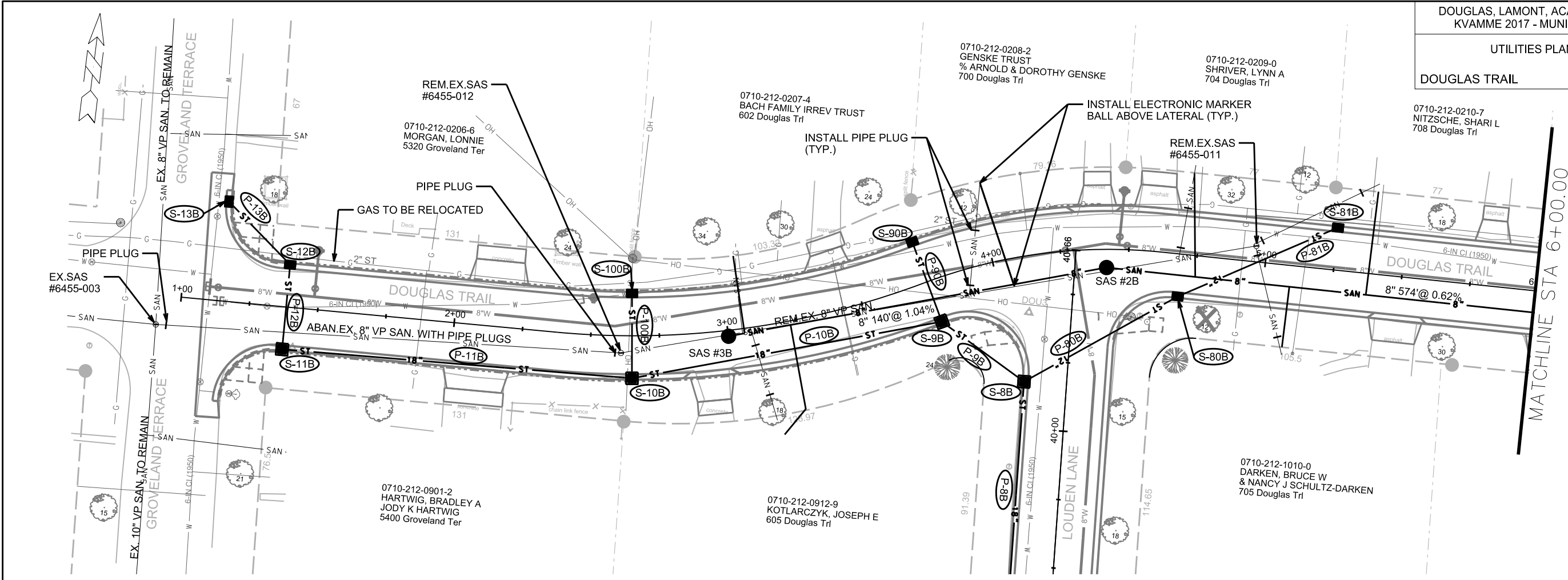




KVAMME LANE CITY OF MADISON

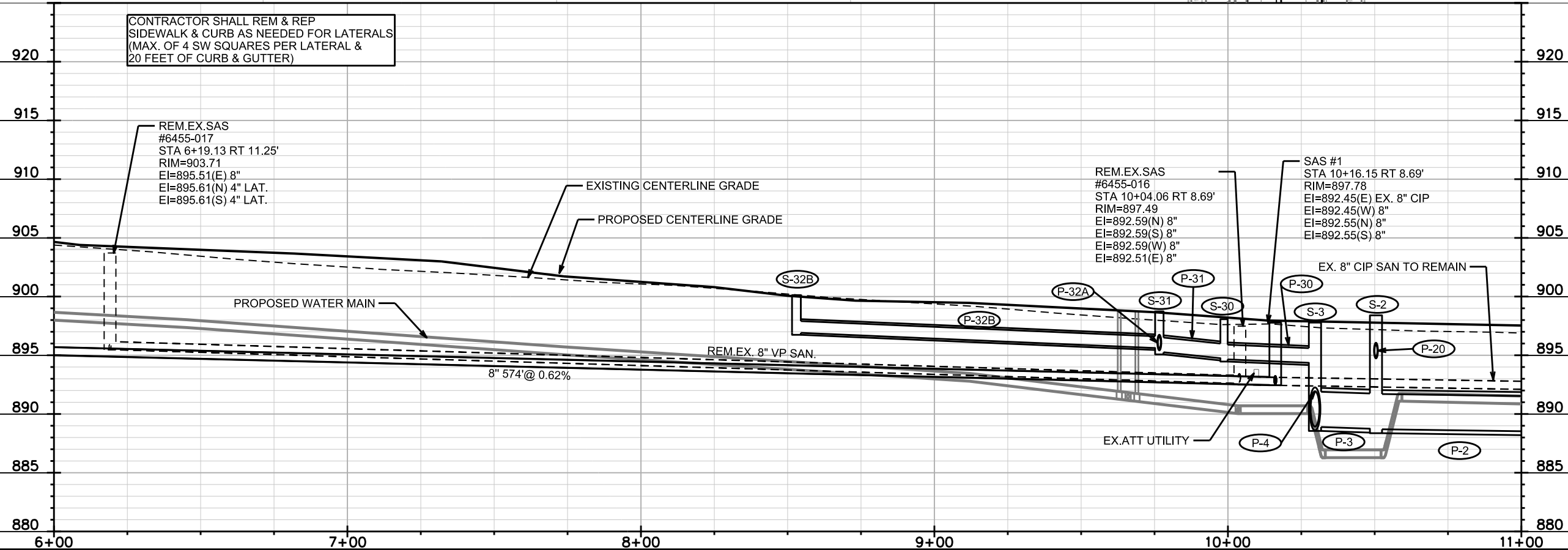
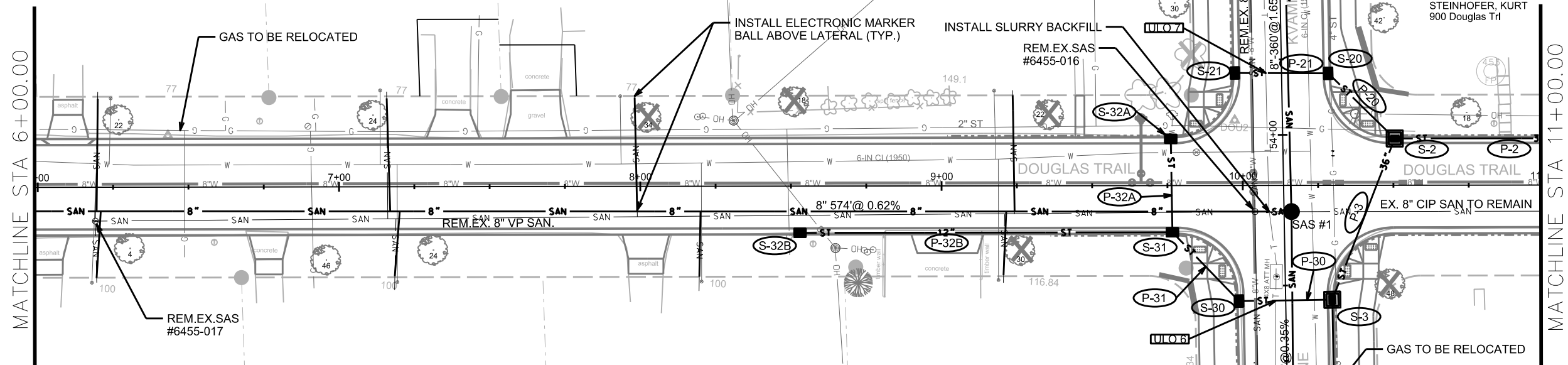


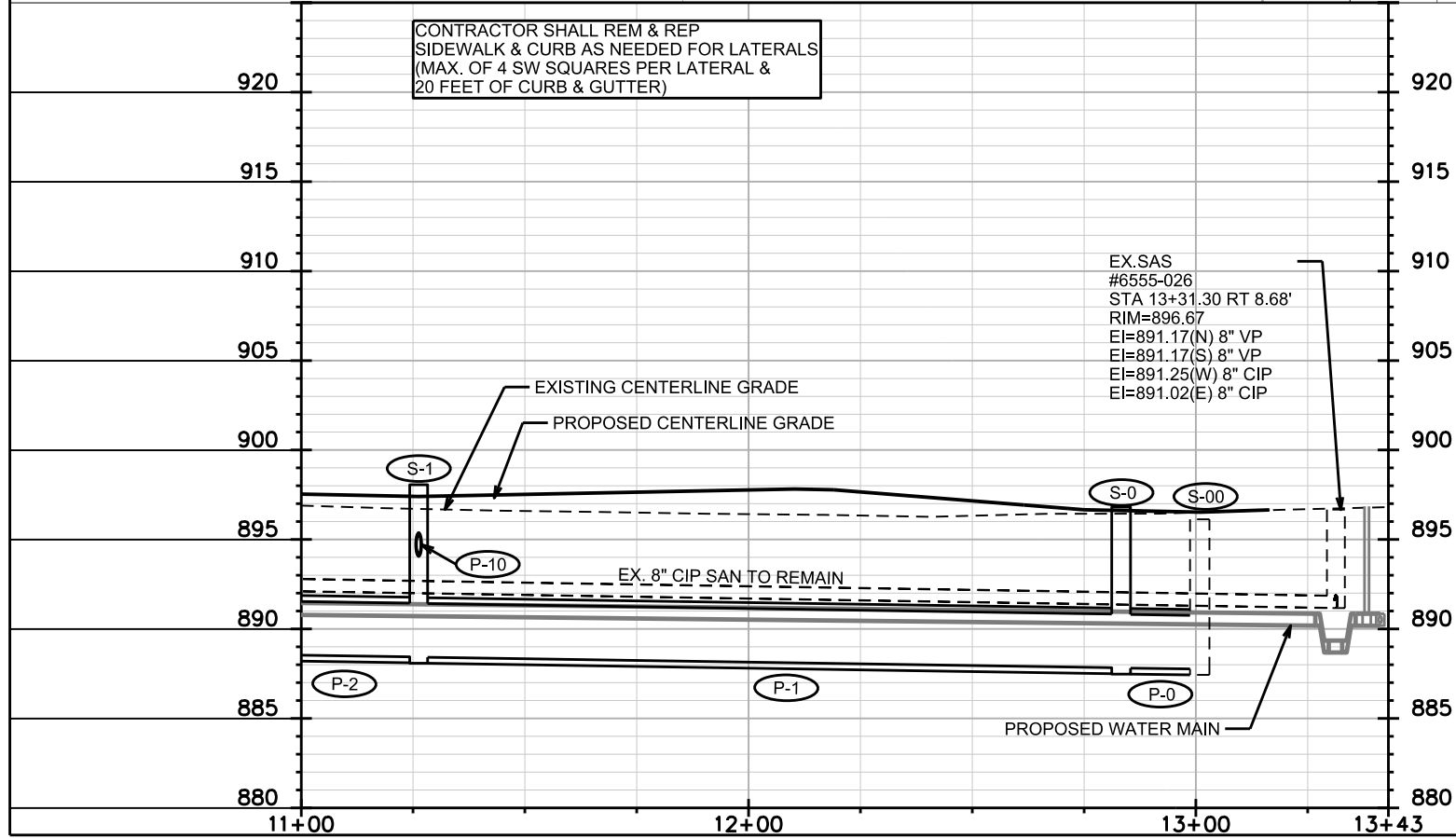
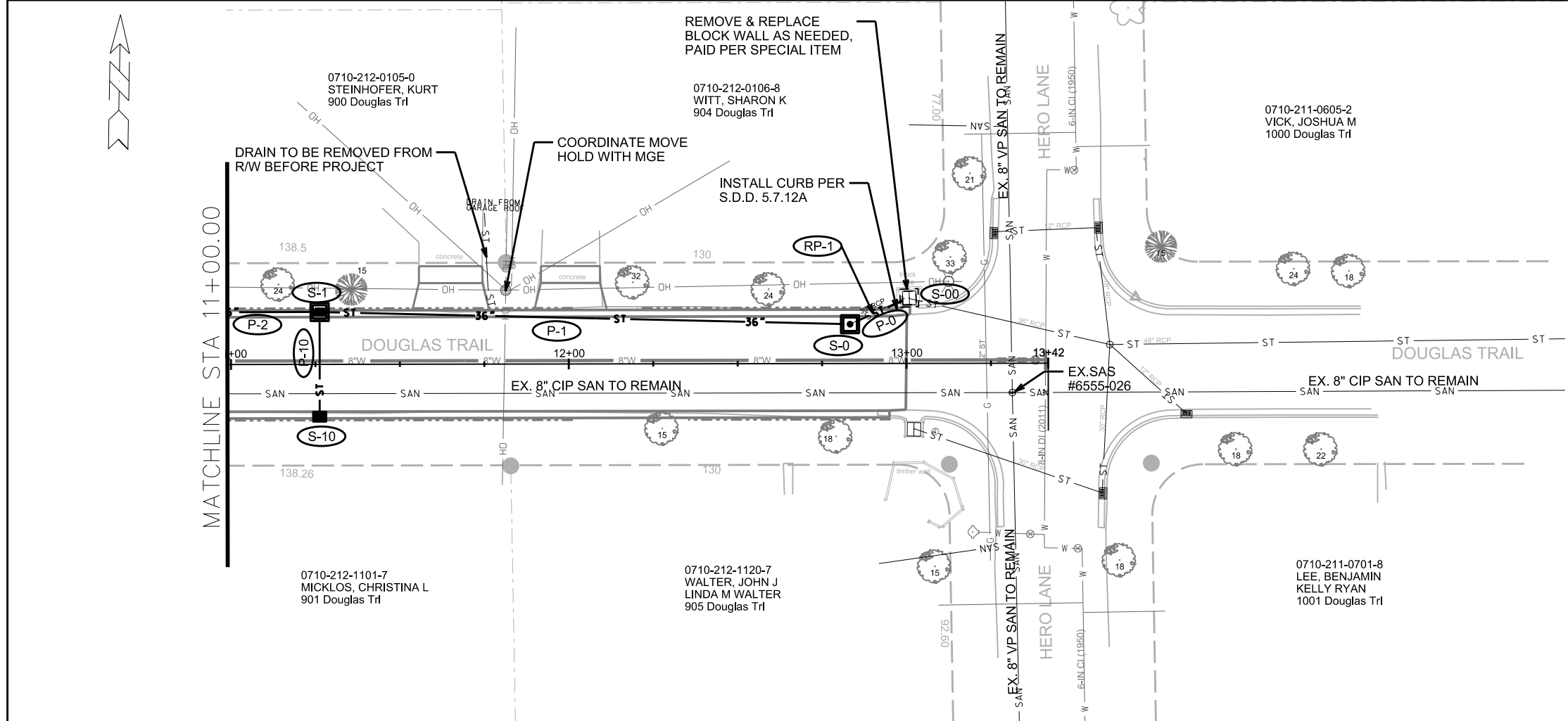




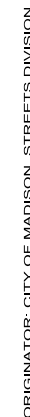
UTILITIES PLAN AND PROFILE

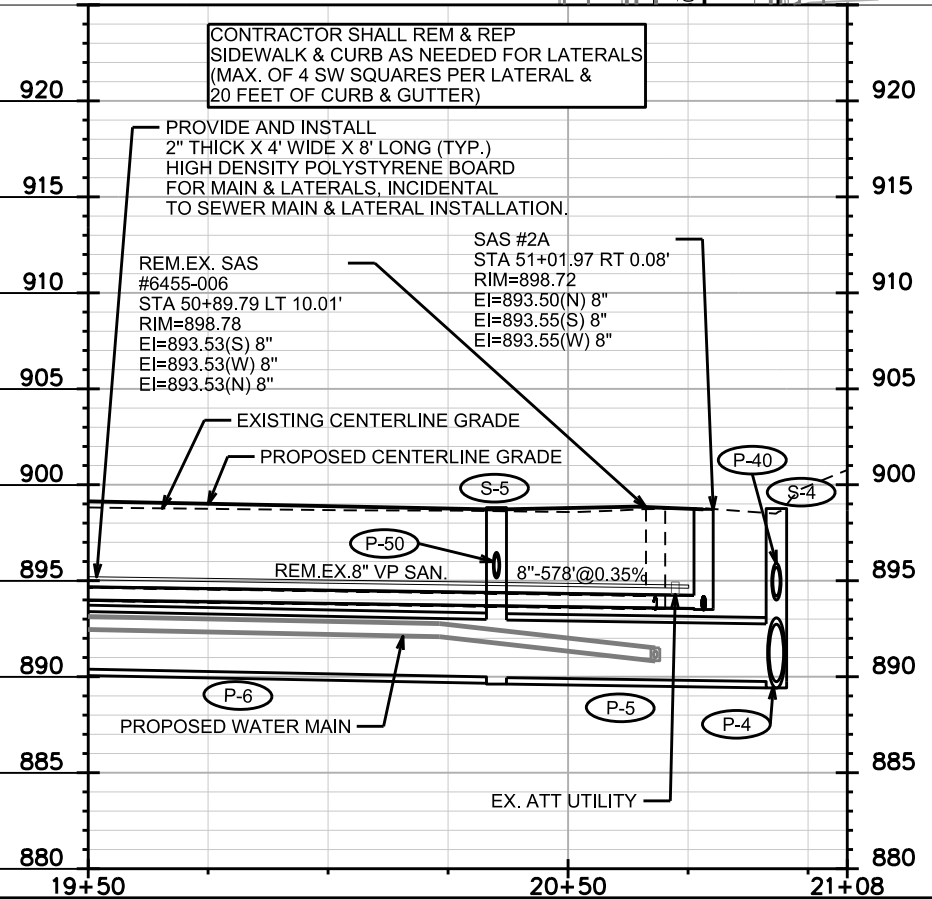
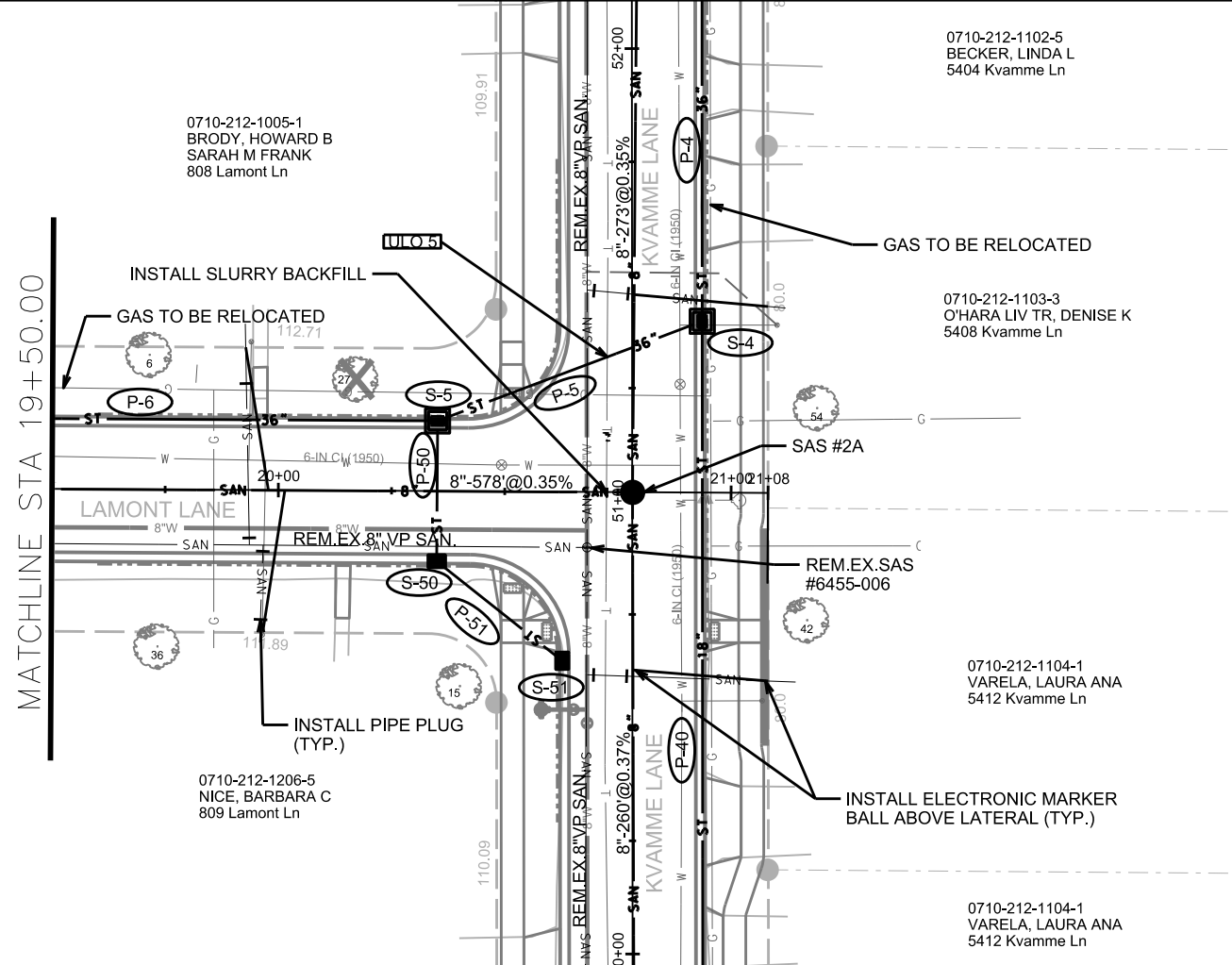
DOUGLAS TRAIL CITY OF MADISON

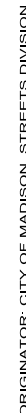


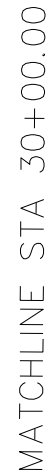


LAMONT LANE CITY OF MADISON









(MAX. OF 4 SW SQUARES PER LATERAL & 20 FEET OF CURB & GUTTER)

EXISTING CENTERLINE GRADE
PROPOSED CENTERLINE GRADE

REM.EX. 10" VP SAN.

8"-335'@0.38%
8"-347'@0.37%

SAS #5F
STA 30+50.00 CL
RIM=904.54
EI=896.03(E) 8"
EI=896.08(W) 8"

EX. ATT UTILITY

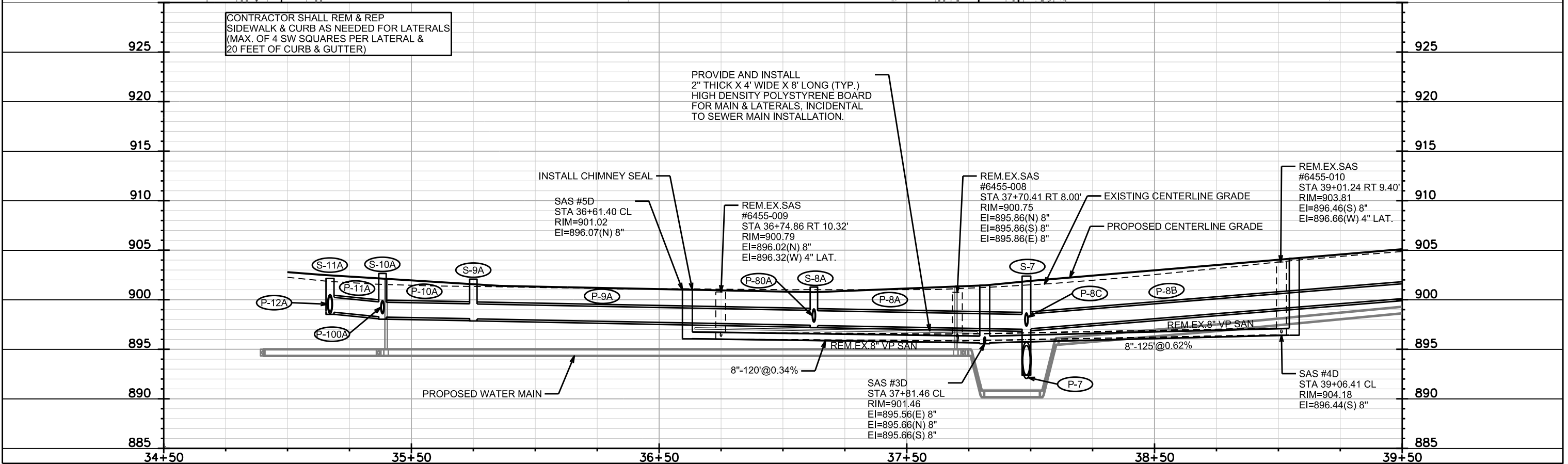
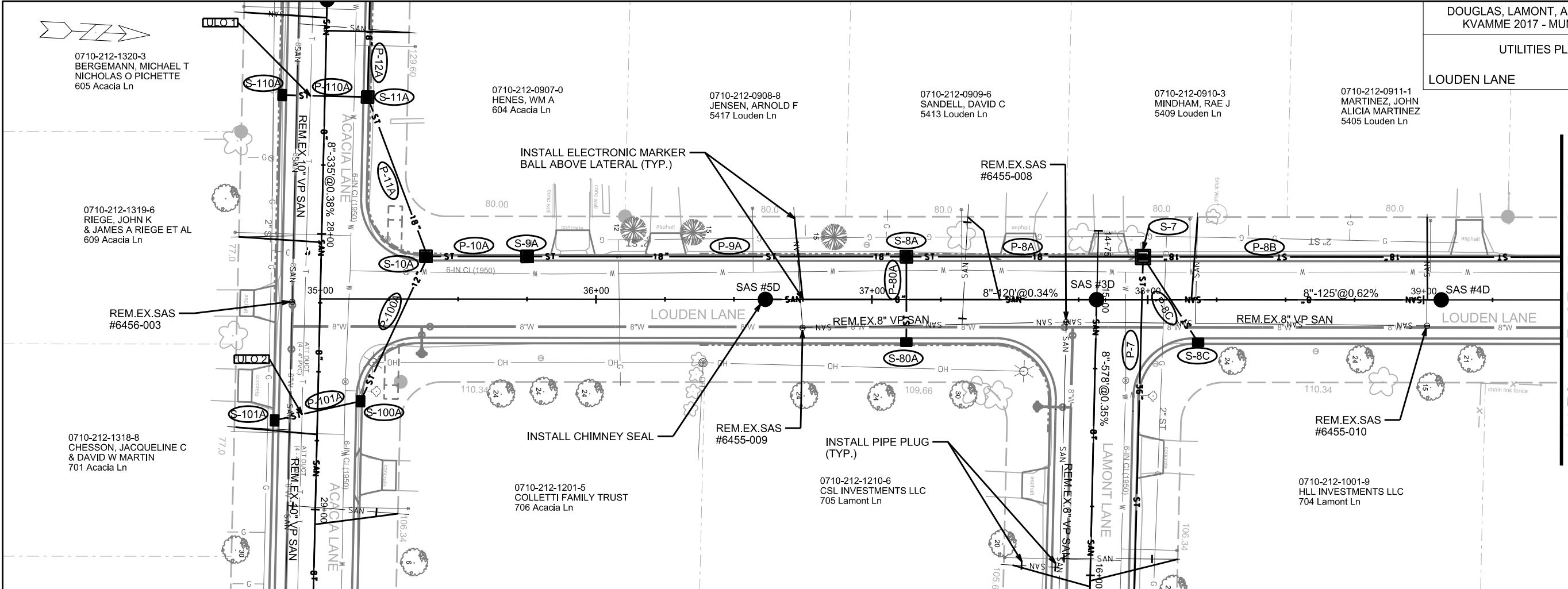
PROPOSED WATER MAIN

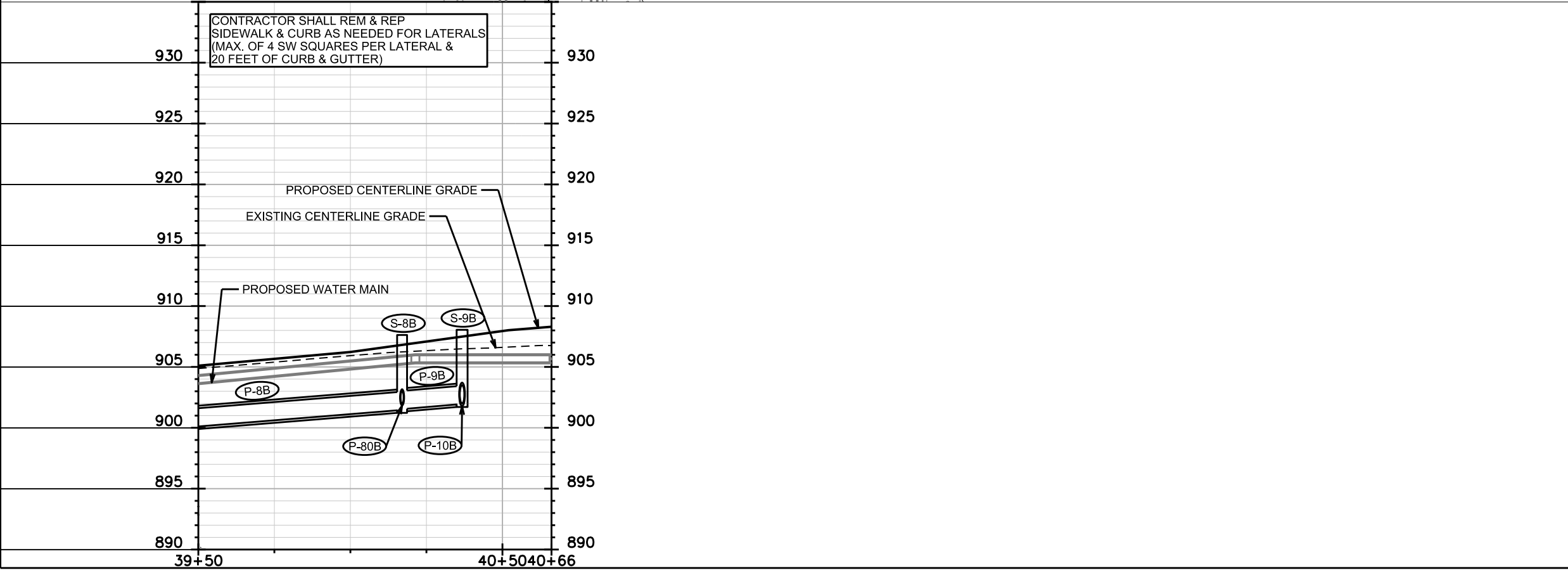
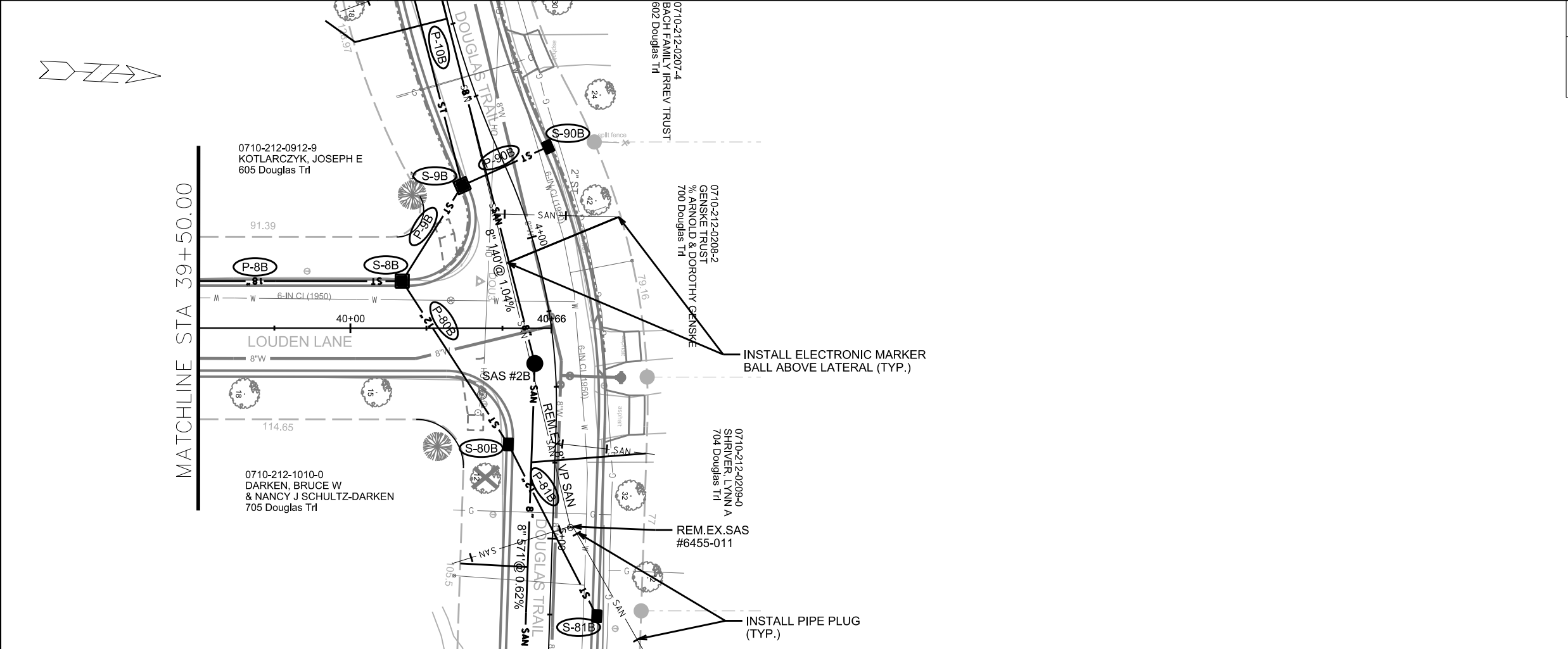
REM.EX.SAS #6456-004
STA 31+96.56 RT 9.62'
RIM=904.88
EI=898.92(E) 10"
EI=898.92(W) 10"

REM.EX.SAS #6456-005
STA 48+42.09 RT 0.59'
RIM=903.50
EI=899.40(E) 10"
EI=899.40(S) 8"
EI=899.40(SW) 10"

S-41
P-42
P-41
S-40
P-40

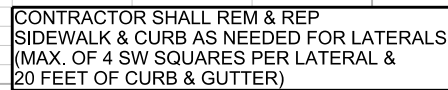
SAS #4A
STA 48+20.53 CL
RIM=904.69
EI=894.66(N) 8"
EI=894.76(S) 8"
EI=894.76(W) 8"

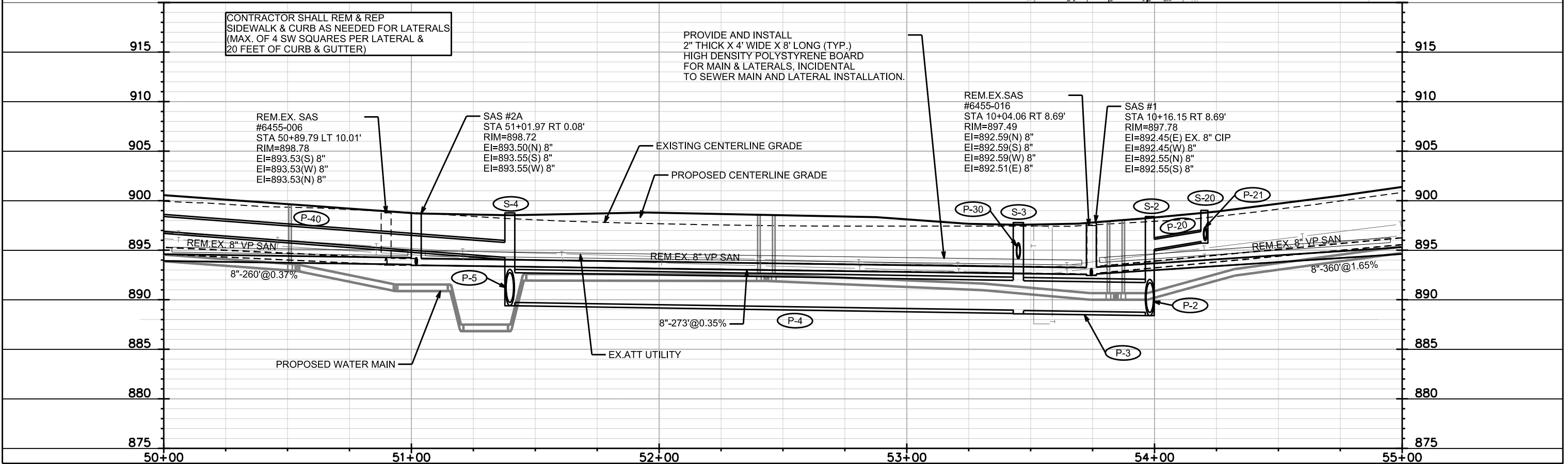
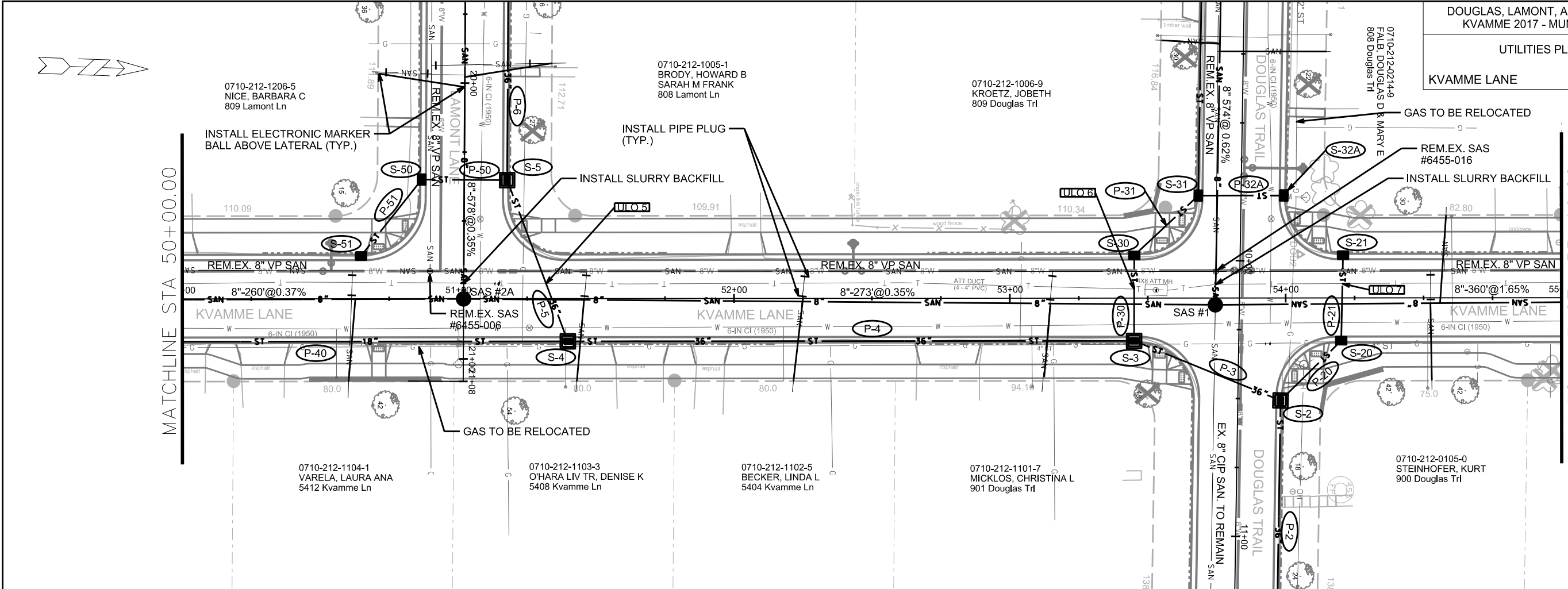


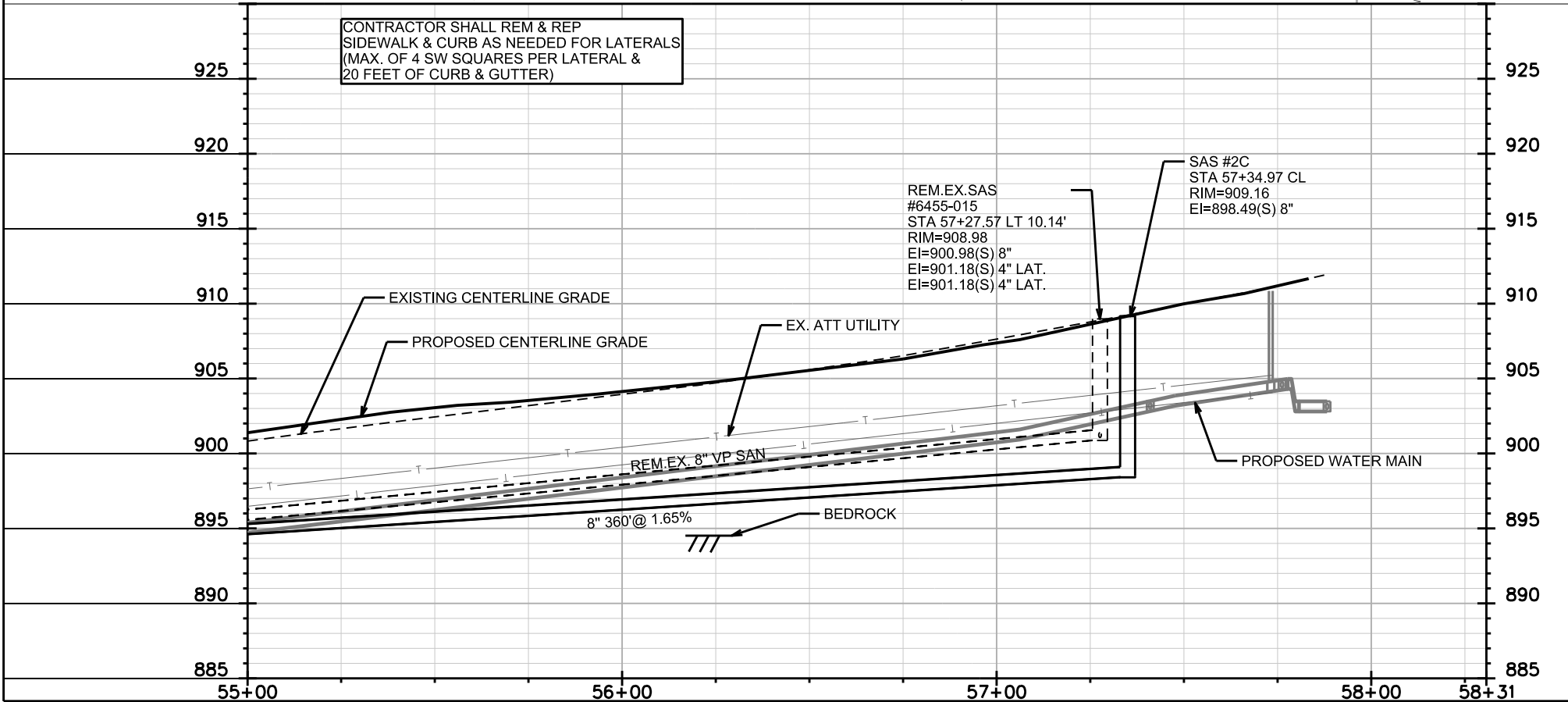
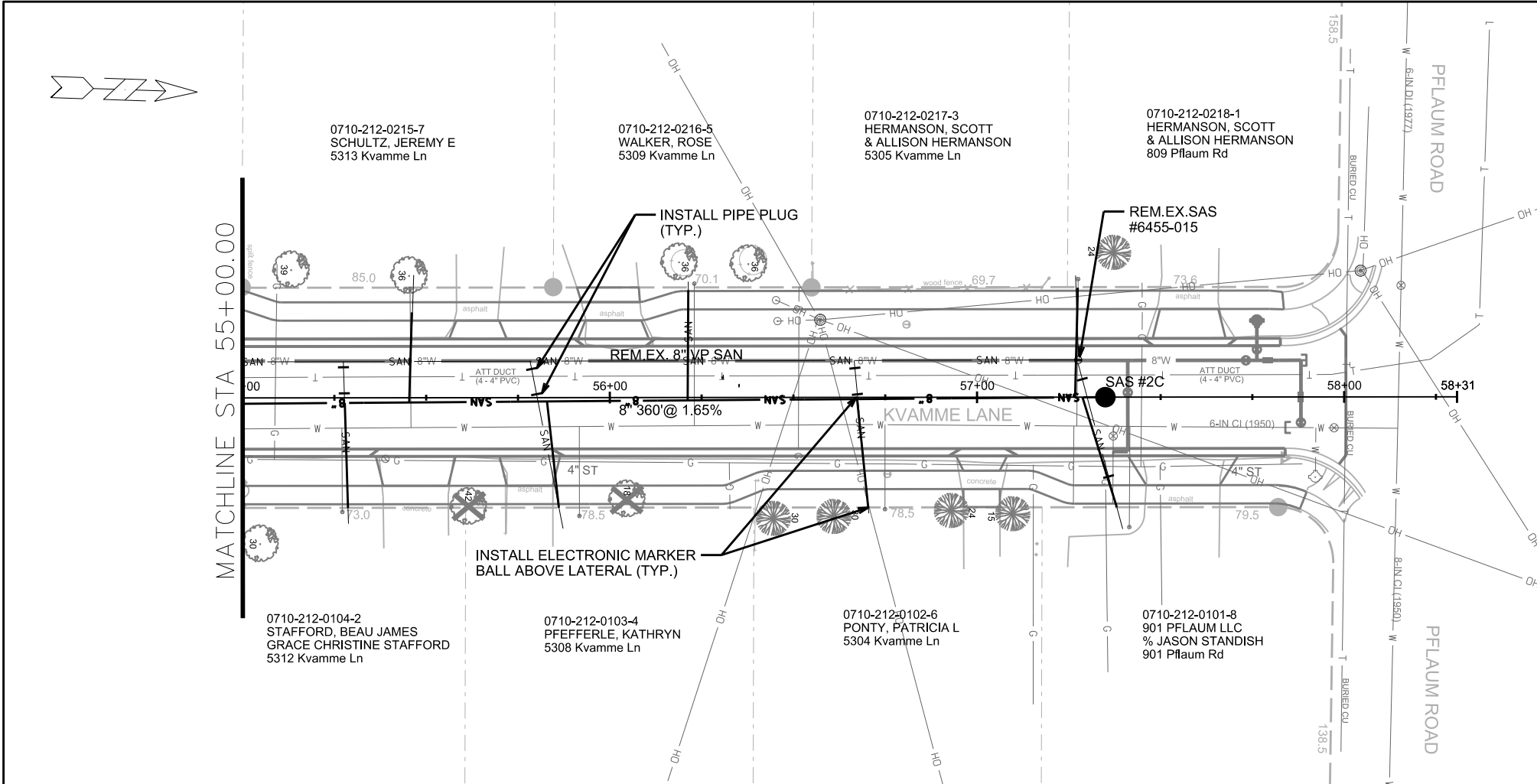




ORIGINATOR: CITY OF MADISON, STREETS DIVISION







SANITARY SEWER SCHEDULE

DOUGLAS, LAMONT, ACACIA, LOUDEN KVAMME 2017- MUNIS NO. 11433	SHEET NO. U-13
SANITARY SEWER SCHEDULE	
DOUGLAS TRAIL	CITY OF MADISON

PROPOSED SANITARY STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
DOUGLAS TRAIL						
SAS #3B	3+00.06	RT-2.15	908.35	897.56	10.79	-
SAS #2B	4+41.84	RT-6.63	908.02	896.00	12.02	-
SAS #1	10+16.15	RT-8.69	897.78	892.45	5.33	-
ACACIA LANE						
SAS #6F	27+15.01	CL	902.28	897.35	4.93	(1)
SAS #5F	30+50.00	CL	904.54	896.03	8.51	-
LOUDEN LANE						
SAS #3D	37+81.46	CL	901.46	895.56	5.90	-
SAS #4D	39+06.41	CL	904.18	896.44	7.74	-
SAS #5D	36+61.40	CL	901.02	896.07	4.95	(1)
KWAMME LANE						
SAS #5A	46+00.00	CL	912.40	901.15	11.25	-
SAS #4A	48+20.53	CL	904.69	894.66	10.03	-
SAS #3A	48+42.06	RT-0.51	904.01	894.50	9.51	(2)
SAS #2A	51+01.97	RT-0.08	898.72	893.50	5.22	-
SAS #2C	57+34.97	CL	909.16	898.49	10.67	-

REMOVE SEWER ACCESS STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH (FT)	NOTES
DOUGLAS TRAIL						
EX. SAS #6455-012	2+61.07	RT-6.30	907.48	899.28	8.20	-
EX. SAS #6455-011	4+96.12	LT-5.80	906.10	900.50	5.60	-
EX. SAS #6455-017	6+19.13	RT-11.25	903.71	895.51	8.20	-
EX. SAS #6455-016	10+04.06	RT-8.69	897.49	892.51	4.98	-
LAMONT LANE						
EX. SAS #6455-007	17+73.78	RT-11.88	899.48	894.62	4.86	-
ACACIA LANE						
EX. SAS #6456-003	28+24.87	RT-10.12	902.39	897.79	4.60	-
EX. SAS #6456-004	31+96.56	RT-9.62	904.88	898.92	5.96	-
LOUDEN LANE						
EX. SAS #6455-009	36+74.86	RT-10.32	900.79	896.02	4.77	-
EX. SAS #6455-008	37+70.41	RT-8.00	900.75	895.86	4.89	-
EX. SAS #6455-010	39+01.24	RT-9.40	903.81	896.46	7.35	-
KWAMME LANE						
EX. SAS #6456-006	46+05.93	LT-10.11	912.14	903.40	8.74	-
EX. SAS #6456-005	48+42.09	RT-0.59	903.50	899.40	4.10	-
EX. SAS #6456-007	49+05.09	LT-10.87	901.76	895.76	6.00	-
EX. SAS #6455-006	50+89.79	LT-10.01	898.78	893.53	5.25	-
EX. SAS #6455-015	57+27.57	LT-10.14	908.98	900.98	8.00	-

SPECIFIC NOTES

- (1) INSTALL INTERNAL CHIMNEY SEAL
(2) INSTALL 10" SANITARY SEWER OUTSIDE DROP PER S.D.D. 5.7.2
(3) PROVIDE AND INSTALL HIGH DENSITY POLYSTYRENE BOARD FOR MAIN AND
LATERALS, INCIDENTAL TO SEWER MAIN INSTALLATION

PROPOSED SANITARY PIPES

FROM SAS (DOWNSTREAM)	TO SAS (UPSTREAM)	E.I. (DOWNSTREAM)	E.I. (UPSTREAM)	LENGTH (FT)	SLOPE (%)	SIZE	PVC TYPE	NOTES
DOUGLAS TRAIL								
SAS #2B	SAS #3B	896.10	897.56	140	1.04%	8"	SDR-35	-
SAS #1	SAS #2B	892.45	896.00	574	0.62%	8"	SDR-35	-
LAMONT LANE								
SAS #2A	SAS #3D	893.55	895.56	578	0.35%	8"	SDR-35	(3)
ACACIA LANE								
SAS #5F	SAS #6F	896.08	897.35	335	0.38%	8"	SDR-35	(3)
SAS #4A	SAS #5F	894.76	896.03	347	0.37%	8"	SDR-35	-
LOUDEN LANE								
SAS #3D	SAS #4D	895.66	896.44	125	0.62%	8"	SDR-35	-
SAS #3D	SAS #5D	895.66	896.07	120	0.34%	8"	SDR-35	(3)
KWAMME LANE								
SAS #4A	SAS #5A	894.76	901.15	221	2.89%	8"	SDR-35	-
SAS #3A	SAS #4A	894.55	894.66	22	0.50%	8"	SDR-35	-
SAS #2A	SAS #3A	893.55	894.50	260	0.37%	8"	SDR-35	-
SAS #1	SAS #2A	892.55	893.50	273	0.35%	8"	SDR-35	(3)
SAS #1	SAS #2C	892.55	898.49	360	1.65%	8"	SDR-35	-
SAS #3A	STA 48+42.57 RT 30.00'	899.40	899.48	28	0.29%	10"	SDR-35	-

SANITARY SEWER PIPE REMOVALS

FROM SAS (DOWNSTREAM)	TO SAS (UPSTREAM)	LENGTH (FT)	PAID (Y/N)	PAID LENGTH	SIZE	TYPE	NOTES
DOUGLAS TRAIL							
EX. SAS #6455-012	EX. SAS #6455-011	235.0	Y	110.0	8"	VP	-
EX. SAS #6455-016	EX. SAS #6455-017	385.0	Y	125.0	8"	VP	-
SAS #1	EX. SAS #6455-016	10.0	N	-	8"	VP	-
LAMONT LANE							
EX. SAS #6455-007	EX. SAS #6455-008	265.5	Y	265.5	8"	VP	-
EX. SAS #6455-006	EX. SAS #6455-007	295.0	Y	295.0	8"	VP	-
ACACIA LANE							
EX. SAS #6456-004	EX. SAS #6456-005	203.5	Y	203.5	10"	VP	-
EX. SAS #6456-003	EX. SAS #6456-004	372.0	N	-	10"	VP	-
STA 25+10.00 RT 10.38'	EX. SAS #6456-003	315.0	N	-	10"	VP	-
LOUDEN LANE							
EX. SAS #6455-008	EX. SAS #6455-010	131.0	N	-	8"	VP	-
EX. SAS #6455-008	EX. SAS #6455-009	95.5	N	-	8"	VP	-
KWAMME LANE							
EX. SAS #6456-005	EX. SAS #6456-006	236.5	Y	236.5	8"	VP	-
EX. SAS #6455-006	EX. SAS #6456-007	185.0	N	-	8"	VP	-
EX. SAS #6455-016	EX. SAS #6455-006	285.0	N	-	8"	VP	-
EX. SAS #6455-016	EX. SAS #6455-015	353.0	N	-	8"	VP	-
EX. SAS #6456-005	STA 48+42.57 RT 30.00'	28.0	N	-	10"	VP	-

ORIGINATOR: CITY OF MADISON STREETS DIVISION

PLOT SCALE: _ _ _ _

PLOT NAME: _ _ _ _

REV. DATE: _ _ _ _

STORM SEWER SCHEDULE

DOUGLAS, LAMONT, ACACIA, LOUDEN KVAMME 2017- MUNIS NO. 11433	SHEET NO. U-14
STORM SEWER SCHEDULE	
DOUGLAS TRAIL	CITY OF MADISON

PROPOSED STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
DOUGLAS TRAIL							
S-13B	1+14.14	LT-36.33	H INLET	908.54	905.05	3.49	LP; w/ R-3067-7004-VB
S-12B	1+38.47	LT-15.50	H INLET	908.61	904.61	4.00	LP; w/ R-3067-7004-VB
S-11B	1+38.36	RT-15.50	3X3 SAS w/H	908.05	903.80	4.25	LP; w/ R-3067-7004-VB
S-100B	2+65.01	LT-15.50	H INLET	908.73	905.23	3.50	LP; w/ R-3067-7004-VB
S-10B	2+65.00	RT-15.50	3X3 SAS w/H	908.17	902.67	5.50	LP; w/ R-3067-7004-VB
S-90B	3+75.00	LT-15.51	H INLET	908.61	904.61	4.00	LP; w/ R-3067-7004-VB
S-9B	3+75.00	RT-15.51	3X3 SAS w/H	908.05	902.00	6.05	LP; w/ R-3067-7004-VB
S-80B	4+69.47	RT-15.50	H INLET	907.81	903.74	4.07	w/ R-3067-7004-V
S-81B	5+25.01	LT-15.59	H INLET	907.11	904.09	3.02	w/ R-3067-7004-V
S-32B	8+53.00	RT-15.50	H INLET	900.12	896.94	3.18	w/ R-3067-7004-V
S-32A	9+76.11	LT-15.51	H INLET	899.31	896.31	3.00	LP; w/ R-3067-7004-VB
S-31	9+76.63	RT-15.49	H INLET	898.74	895.34	3.40	w/ R-3067-7004-V
S-2	10+50.44	LT-15.50	4X4 SAS w/H	898.40	888.72	9.68	w/ R-3067-7004-V
S-1	11+26.24	LT-15.50	4X4 SAS w/H	898.06	888.43	9.63	LP; w/ R-3067-7004-VB
S-10	11+26.24	RT-15.50	H INLET	897.50	894.50	3.00	LP; w/ R-3067-7004-VB
S-0	12+83.29	LT-11.65	4X4 SAS	896.81	887.82	8.99	w/ R-1550-0054
S-00	13+00.85	LT-19.41	STM TAP	-	887.75	-	TAP EX. IN 6555-032
LAMONT LANE							
S-6	17+90.00	LT-15.50	4X4 SAS w/H	900.04	891.18	8.86	w/ R-3067-7004-V
S-60	17+90.00	RT-15.50	H INLET	900.04	897.04	3.00	w/ R-3067-7004-V
S-5	20+35.08	LT-15.50	4X4 SAS w/ H	898.81	889.97	8.84	LP; w/ R-3067-7004-VB
S-50	20+35.07	RT-15.51	H INLET	898.81	895.81	3.00	LP; w/ R-3067-7004-VB
ACACIA LANE							
S-12A	25+20.00	LT-15.50	3X3 SAS	903.95	899.95	4.00	w/ R-1550-0054
S-11A	27+50.00	LT-15.50	3X3 SAS w/H	902.15	898.82	3.33	LP; w/ R-3067-7004-VB
S-110A	27+50.00	RT-15.50	H INLET	902.15	899.65	2.50	LP; FP; w/ R-3067-7004-VB
S-100A	28+60.32	LT-15.49	H INLET	903.36	899.86	3.50	w/ R-3067-7004-V
S-101A	28+68.00	RT-15.50	H INLET	903.86	900.36	3.50	w/ R-3067-7004-V
S-41	33+59.52	LT-15.50	H INLET	904.30	900.55	3.75	LP; w/ R-3067-7004-VB
S-42	33+59.62	RT-15.50	H INLET	904.58	901.08	3.50	LP; w/ R-3067-7004-VB
LOUDEN LANE							
S-10A	35+38.33	LT-15.50	3X3 SAS w/H	902.65	898.25	4.40	w/ R-3067-7004-V
S-9A	35+75.00	LT-15.50	3X3 SAS w/H	902.08	898.08	4.00	w/ R-3067-7004-V
S-8A	37+12.50	LT-15.50	3X3 SAS w/H	901.28	897.41	3.87	LP; w/ R-3067-7004-VB
S-80A	37+12.50	RT-15.50	H INLET	901.00	898.50	2.50	LP; FP; w/ R-3067-7004-VB
S-7	37+98.30	LT-15.51	4X4 SAS w/H	902.39	892.39	10.00	NCM; FP; w/ R-3067-7004-V
S-8C	38+18.29	RT-15.48	H INLET	902.53	898.70	3.83	FP; w/ R-3067-7004-V
S-8B	40+17.00	LT-15.50	3X3 SAS w/H	907.63	901.50	6.13	FP; w/ R-3067-7004-V
KVAMME LANE							
S-43	47+83.26	LT-15.49	H INLET	905.66	902.16	3.50	w/ R-3067-7004-V
S-40	48+59.60	RT-15.49	3X3 SAS w/H	903.63	899.61	4.02	w/ R-3067-7004-V
S-51	50+64.78	LT-15.50	H INLET	899.90	896.30	3.60	w/ R-3067-7004-V
S-4	51+39.75	RT-15.50	4X4 SAS w/H	898.76	889.74	9.02	LP; w/ R-3067-7004-VB
S-30	53+45.12	LT-15.50	H INLET	898.08	894.68	3.40	LP; w/ R-3067-7004-VB
S-3	53+45.03	RT-15.49	4X4 SAS w/H	897.79	888.93	8.86	LP; FP; w/ R-3067-7004-VB
S-21	54+20.80	LT-15.52	H INLET	899.32	896.29	3.03	LP; w/ R-3067-7004-VB
S-20	54+20.11	RT-15.50	H INLET	899.02	896.00	3.02	FP; w/ R-3067-7004-V

SPECIFIC NOTES:

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
DOUGLAS TRAIL										
P-13B	S-12B	S-13B	904.61	905.05	32.0	29.0	1.51%	12"	TYPE II	-
P-12B	S-11B	S-12B	904.30	904.61	31.0	28.5	1.09%	12"	RCP	-
P-11B	S-10B	S-11B	902.67	903.80	128.0	125.0	0.90%	18"	TYPE II	-
P-100B	S-10B	S-100B	903.17	905.23	31.0	28.5	7.23%	12"	RCP	-
P-10B	S-9B	S-10B	902.00	902.67	115.0	112.0	0.60%	18"	RCP	-
P-90B	S-9B	S-90B	902.50	904.61	31.0	28.5	7.40%	12"	RCP	-
P-81B	S-80B	S-81B	903.74	904.09	63.5	60.0	0.59%	12"	RCP	-
P-32B	S-31	S-32B	895.59	896.94	123.5	120.5	1.12%	12"	TYPE II	-
P-32A	S-31	S-32A	895.59	896.31	31.0	29.0	2.48%	12"	RCP	-
P-3	S-2	S-3	888.72	888.93	57.5	53.0	0.40%	36"	TYPE II	-
P-2	S-1	S-2	888.43	888.72	76.0	72.0	0.40%	36"	TYPE II	-
P-10	S-1	S-10	894.22	894.50	31.0	28.0	1.00%	12"	RCP	-
P-1	S-0	S-1	887.82	888.43	157.0	153.0	0.40%	36"	TYPE II	-
P-0	S-00	S-0	887.75	887.82	19.0	15.0	0.50%	36"	TYPE II	-
LAMONT LANE										
P-7	S-6	S-7	891.18	892.39	306.0	302.0	0.40%	36"	TYPE II	-
P-6	S-5	S-6	889.97	891.18	245.0	241.0	0.50%	36"	TYPE II	-
P-60	S-6	S-60	896.54	897.04	31.0	28.0	1.79%	12"	RCP	-
P-50	S-5	S-50	895.31	895.81	31.0	28.0	1.79%	12"	RCP	-
P-51	S-50	S-51	895.81	896.30	35.5	32.5	1.51%	12"	TYPE II	-
ACACIA LANE										
P-12A	S-11A	S-12A	898.82	899.95	230.0	227.0	0.50%	18"	TYPE II	-
P-110A	S-11A	S-110A	899.32	899.65	31.0	28.5	1.16%	12"	RCP	-
P-11A	S-10A	S-11A	898.25	898.82	60.0	58.5	0.97%	18"	TYPE II	-
P-101A	S-100A	S-101A	899.86	900.36	32.0	30.0	1.67%	12"	RCP	-
P-42	S-41	S-42	900.80	901.08	31.0	29.0	0.97%	12"	RCP	-
P-43	S-42	S-43	901.08	902.16	31.5	28.5	3.79%	12"	TYPE II	-
LOUDEN LANE										
P-100A	S-10A	S-100A	898.75	899.86	56.5	54.5	2.03%	12"	RCP	-
P-10A	S-9A	S-10A	898.08	898.25	35.0	33.5	0.50%	18"	TYPE II	-
P-9A	S-8A	S-9A	897.41	898.08	137.5	134.5	0.50%	18"	TYPE II	-
P-80A	S-8A	S-80A	897.91	898.50	31.0	28.5	2.07%	12"	RCP	-
P-8A	S-7	S-8A	897.00	897.41	86.0	82.5	0.50%	18"	TYPE II	-
P-8C	S-7	S-8C	897.50	898.70	37.0	33.5	3.62%	12"	RCP	-
P-8B	S-7	S-8B	897.00	901.50	218.5	215.0	2.09%	18"	TYPE II	-
P-80B	S-8B	S-80B	902.00	903.74	64.0	60.5	2.87%	12"	RCP	-
P-9B	S-8B	S-9B	901.50	902.00	37.0	33.5	1.49%	18"	TYPE II	-
KVAMME LANE										
P-41	S-40	S-41	899.86	900.55	58.0	55.0	1.26%	15"	RCP	-
P-40	S-4	S-40	894.20	899.61	280.0	276.5	1.96%	18"	TYPE II	-
P-5	S-4	S-5	889.74	889.97	62.5	58.0	0.40%	36"	TYPE II	-
P-4	S-3	S-4	888.93	889.74	205.5	201.5	0.40%	36"	TYPE II	-
P-30	S-3	S-30	894.32	894.68	31.0	28.0	1.30%	15"	RCP	-
P-31	S-30	S-31	894.68	895.34	32.0	29.0	2.28%	15"	TYPE II	-
P-20	S-2	S-20	894.90	896.00	31.0	26.5	4.13%	12"	TYPE II	-
P-21	S-20	S-21	896.00	896.29	31.0	29.0	1.00%	12"	RCP	-

NOTE: PLAN 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.

ORIGINATOR: CITY OF MADISON STREETS DIVISION

PLOT SCALE: ---

PLOT NAME: ---

REV. DATE: ---

STORM SEWER SCHEDULE

DOUGLAS, LAMONT, ACACIA, LOUDEN KVAMME 2017- MUNIS NO. 11433	SHEET NO. U-15
STORM SEWER SCHEDULE	
DOUGLAS TRAIL	CITY OF MADISON

ULOs

NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
<u>ACACIA LANE</u>				
ULO 1	27+50.00	RT-5.26	TELEPHONE	-
ULO 2	28+65.55	RT-5.62	TELEPHONE	-
ULO 3	33+59.59	RT-5.26	TELEPHONE	-
<u>KVAMME LANE</u>				
ULO 4	48+50.00	LT-6.38	TELEPHONE	-
ULO 5	51+31.87	LT-5.48	TELEPHONE	-
ULO 6	53+45.09	LT-3.27	TELEPHONE	-
ULO 7	54+20.57	LT-5.21	TELEPHONE	-

* 8 UNDISTRIBUTED ULO

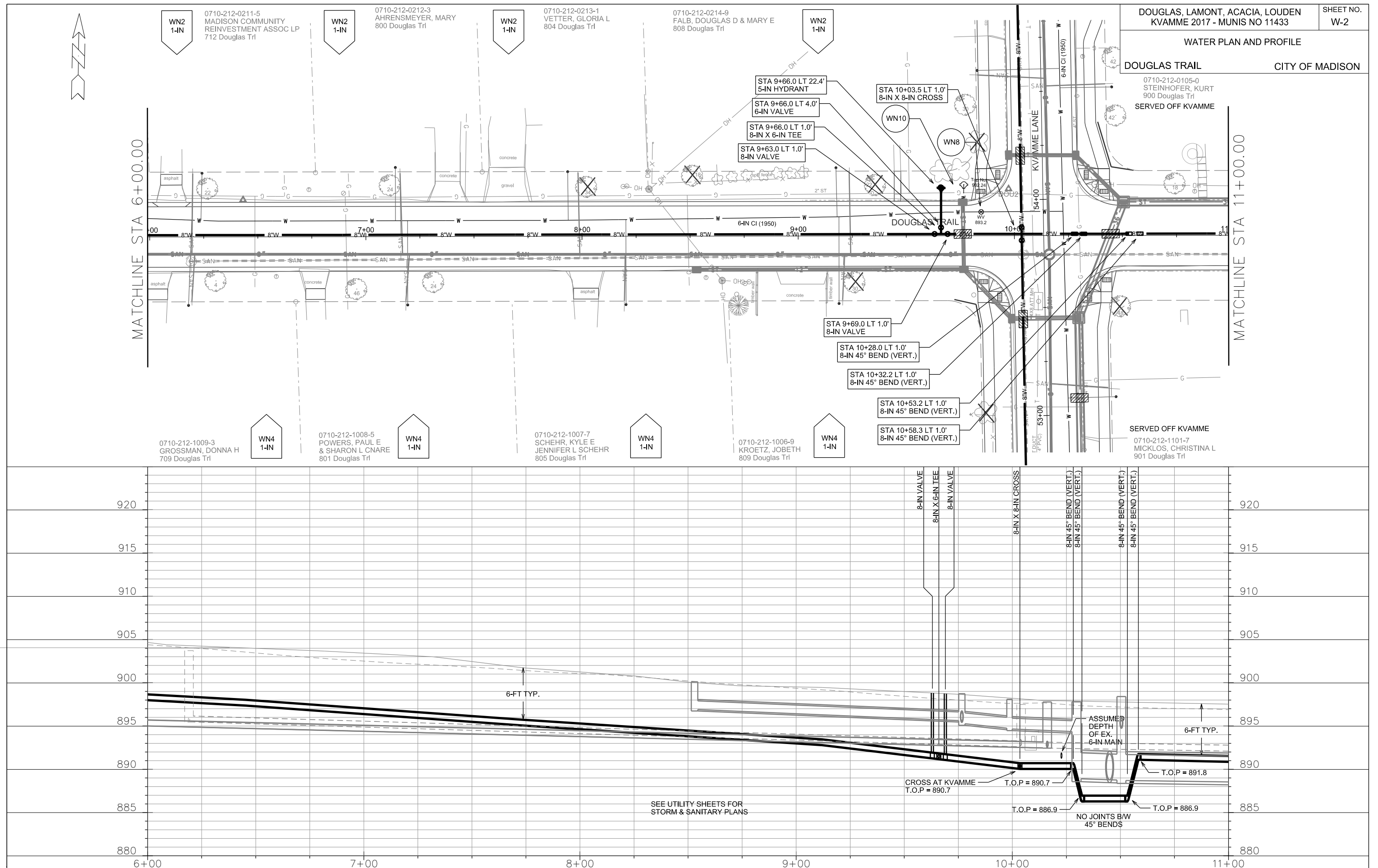
PIPE REMOVALS

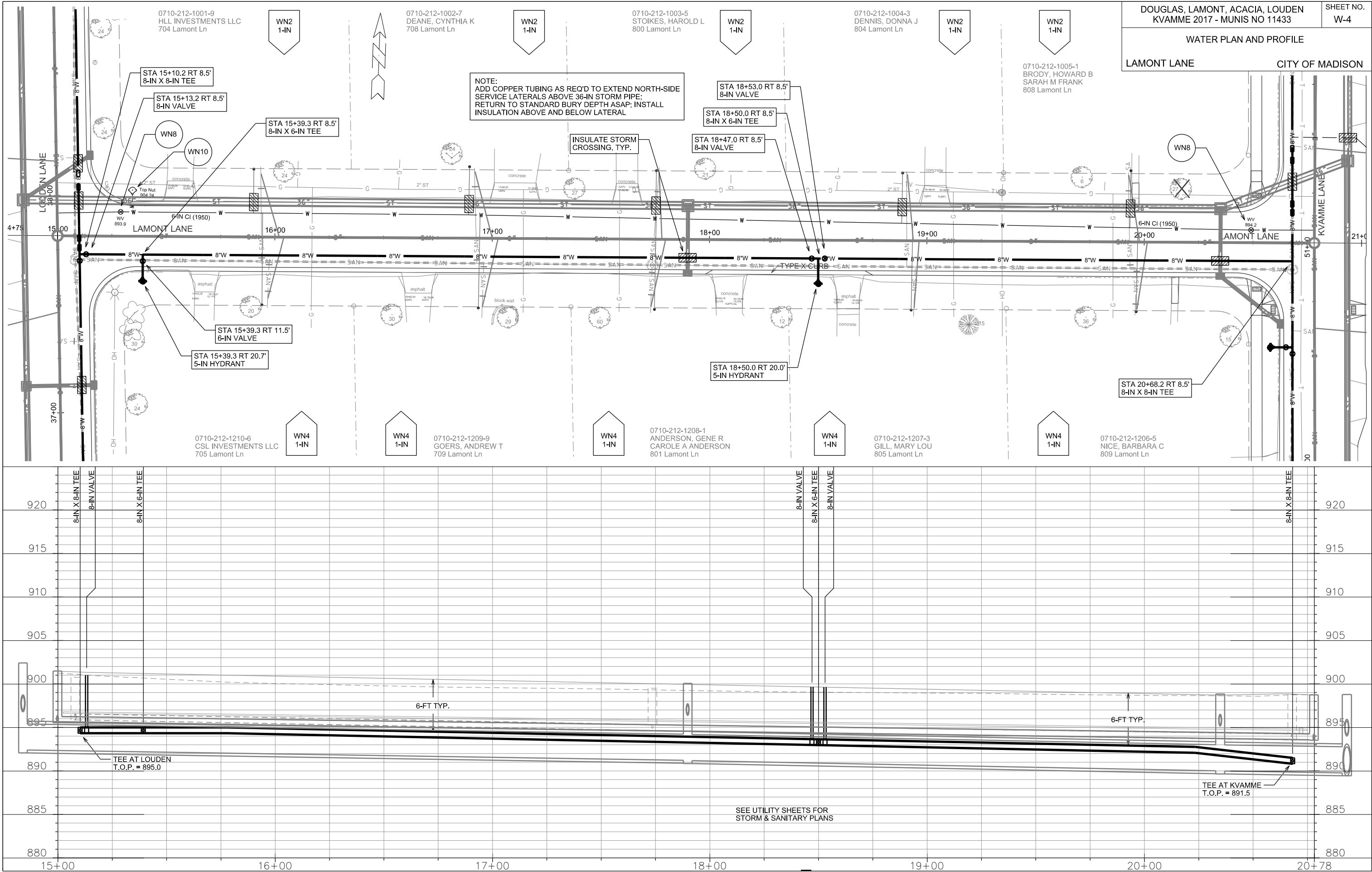
REMOVE NO.	REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	PIPE SIZE	TYPE	NOTES
<u>DOUGLAS TRAIL</u>							
RP-1	S-00	S-0	20.0	N	30"	RCP	-

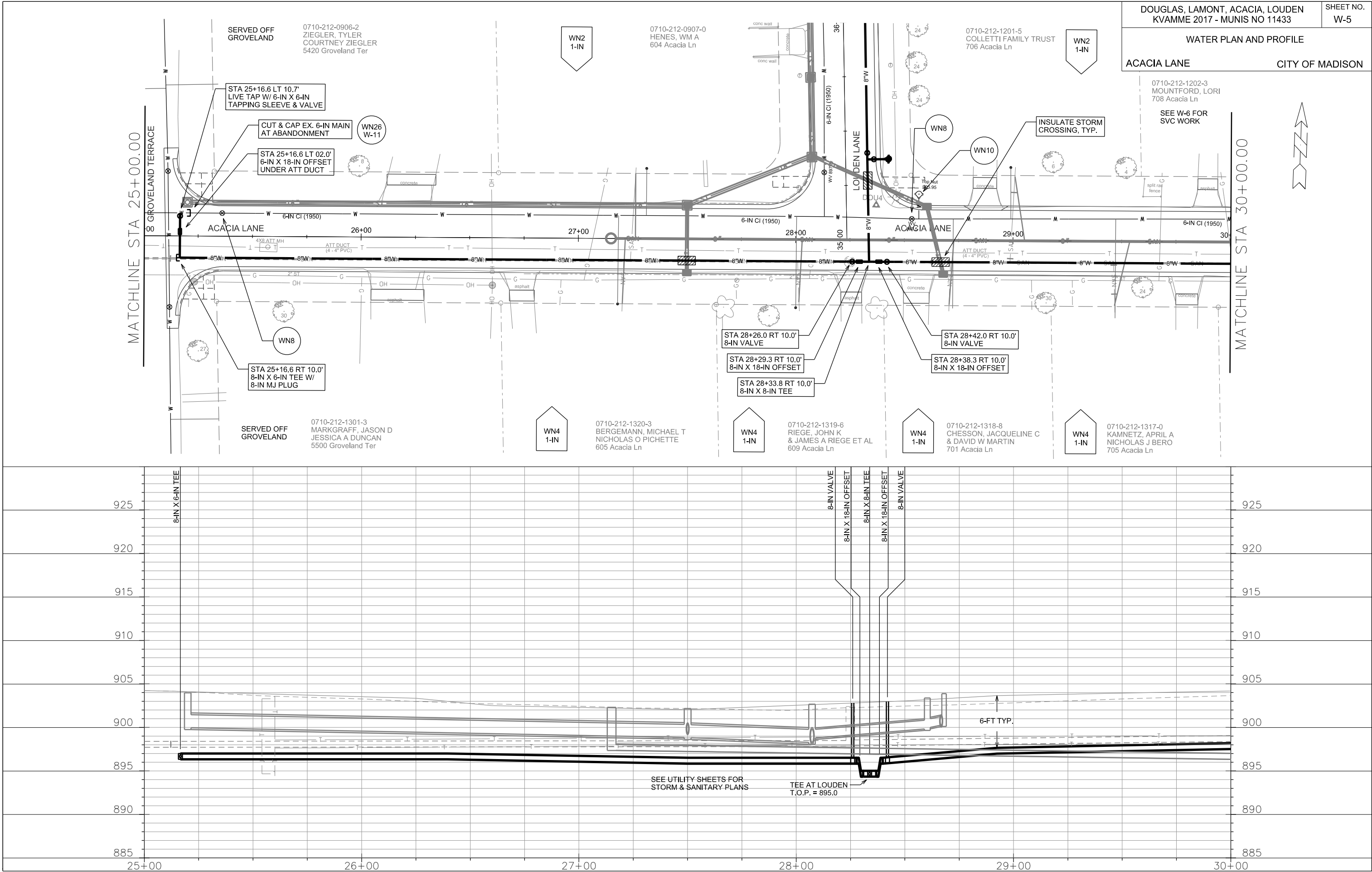
SPECIFIC NOTES

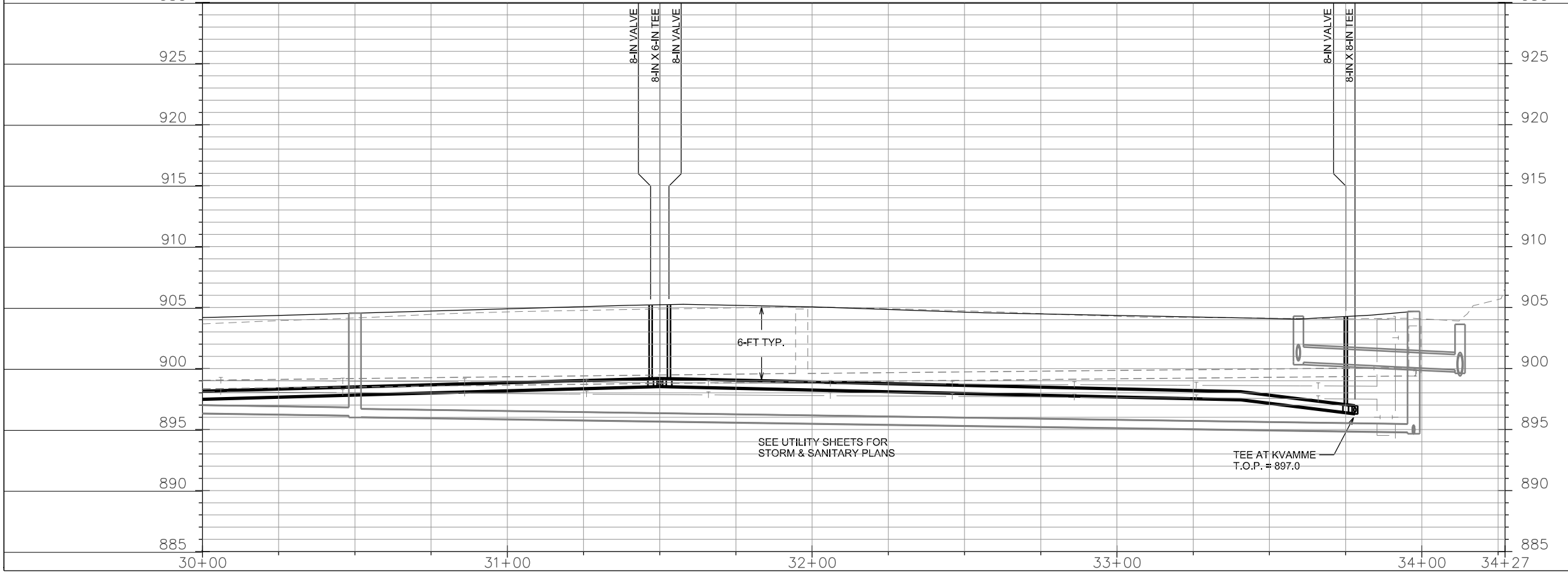
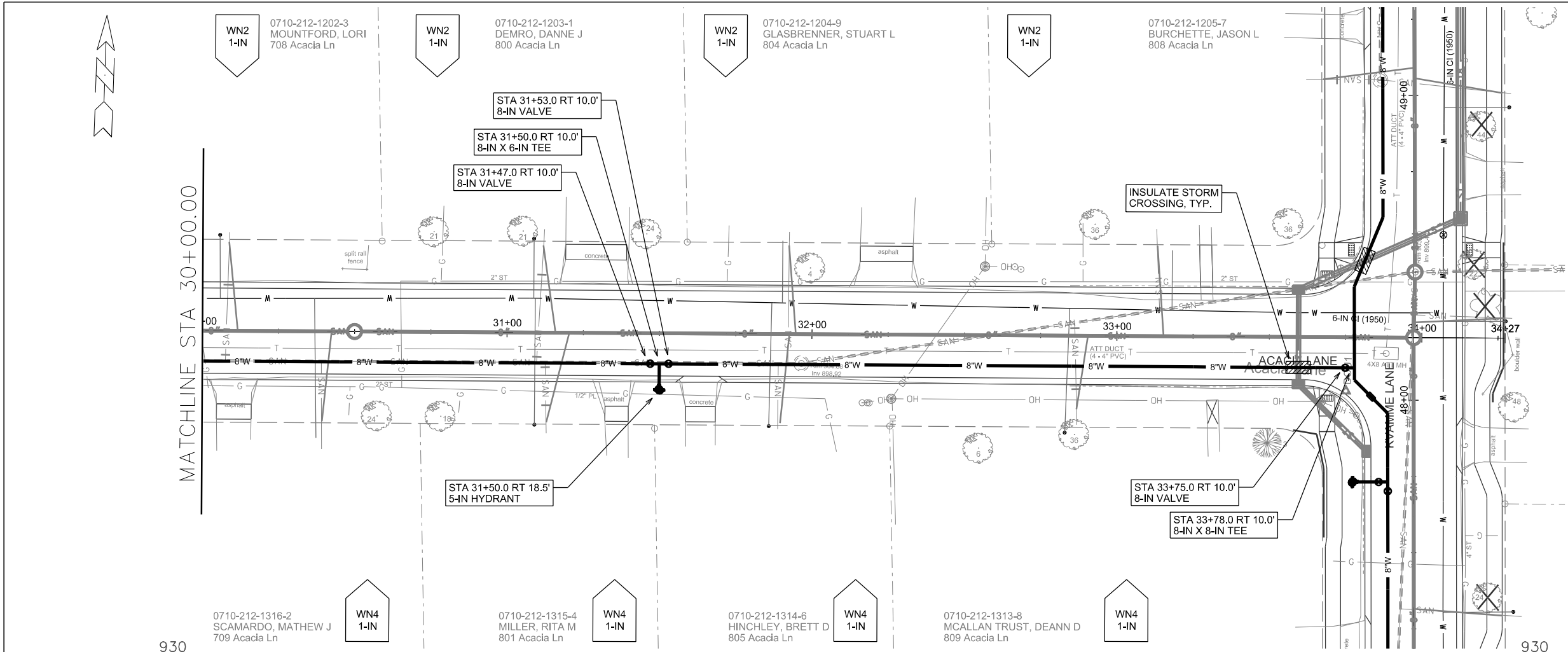
STANDARD NOTES:

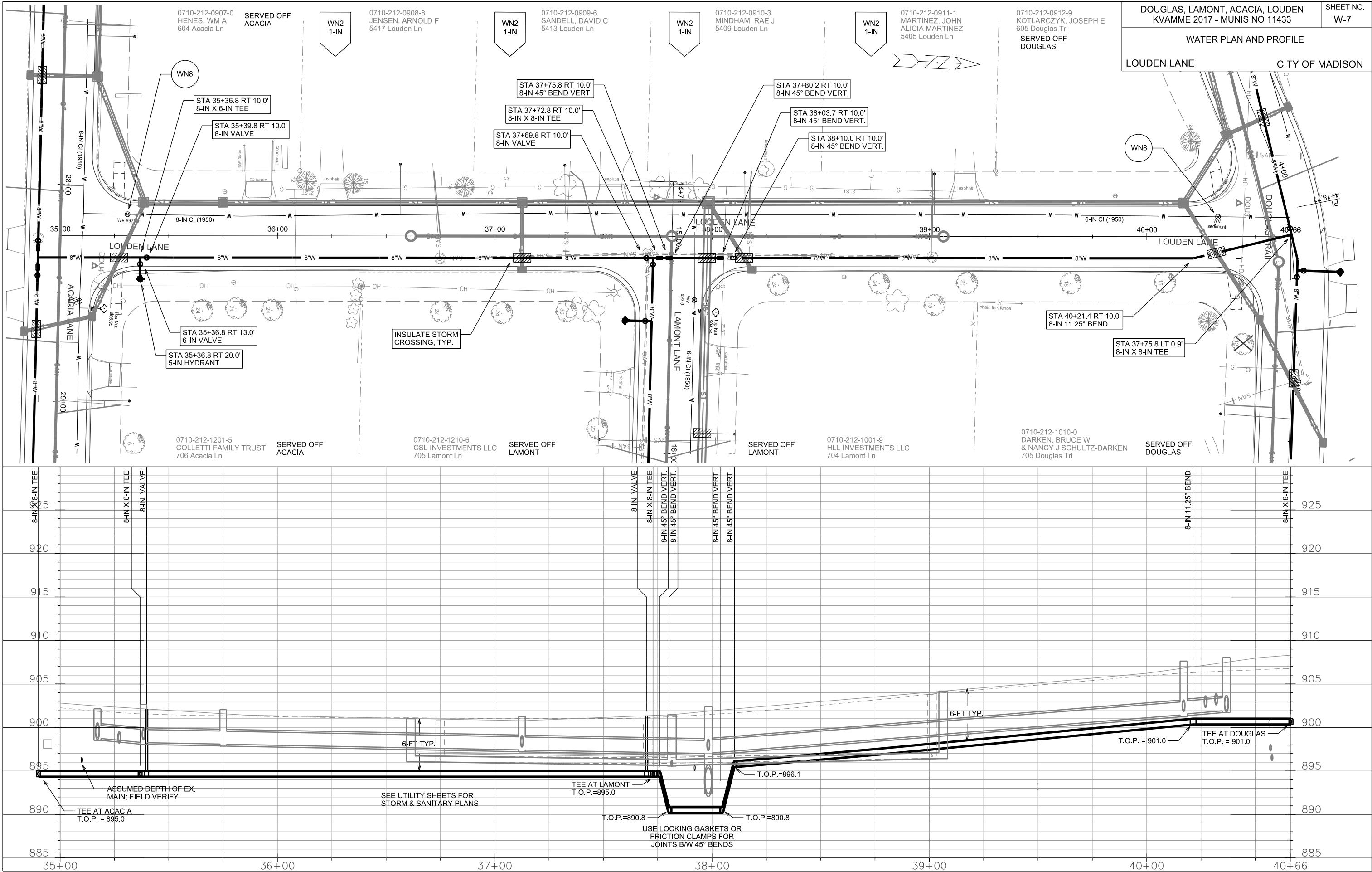
- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = DOES NOT APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO CROWN MATCH FOR PIPES
- APPROXIMATE 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 FADI EL MUSA OF CITY ENGINEERING AT (608) 243-5214 FOR PRECAST APPROVALS, OR FAX SHOP DRAWINGS TO (608) 264-9275, OR EMAIL SHOP DRAWINGS TO FELMUSAGONZALEZ@CITYOFMADISON.COM

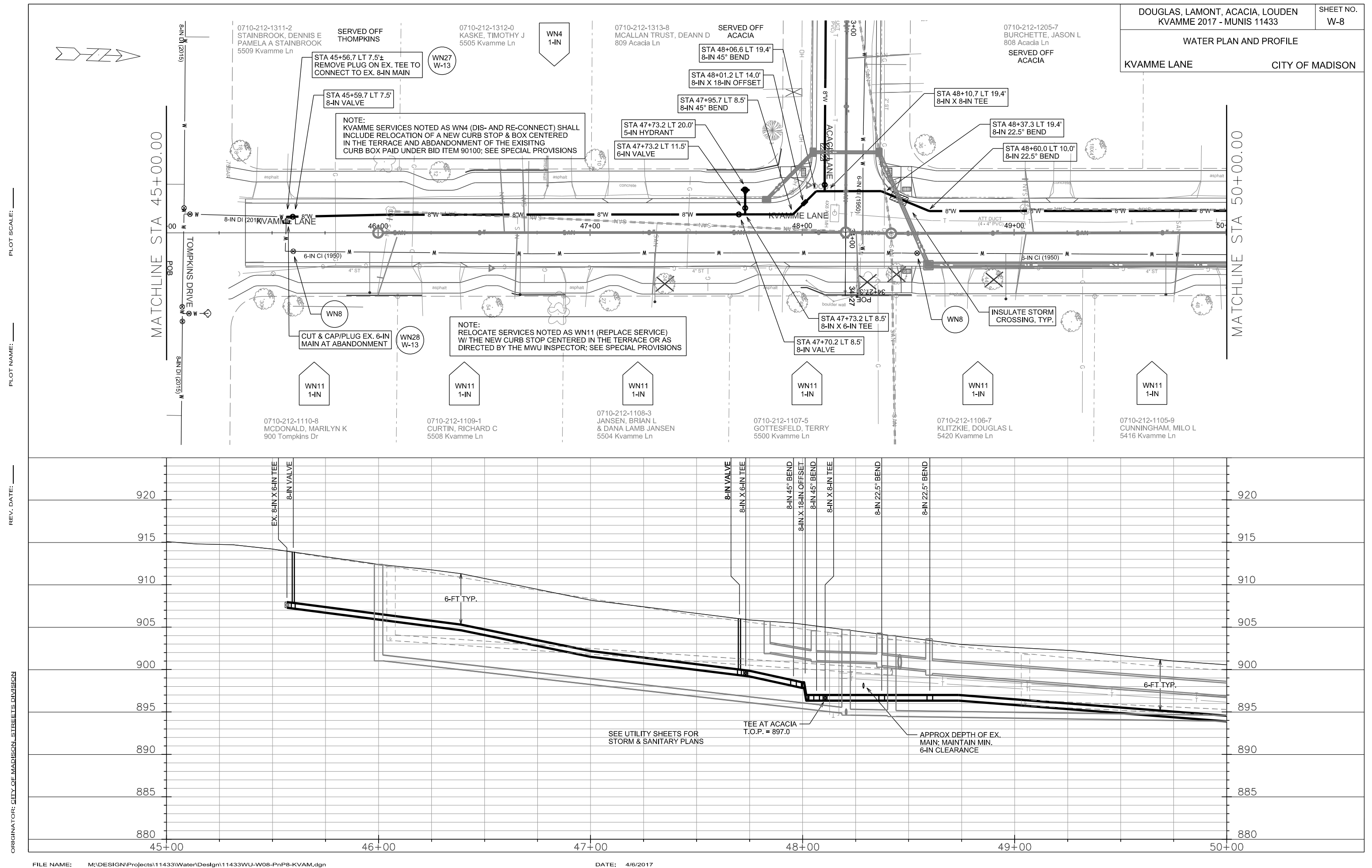


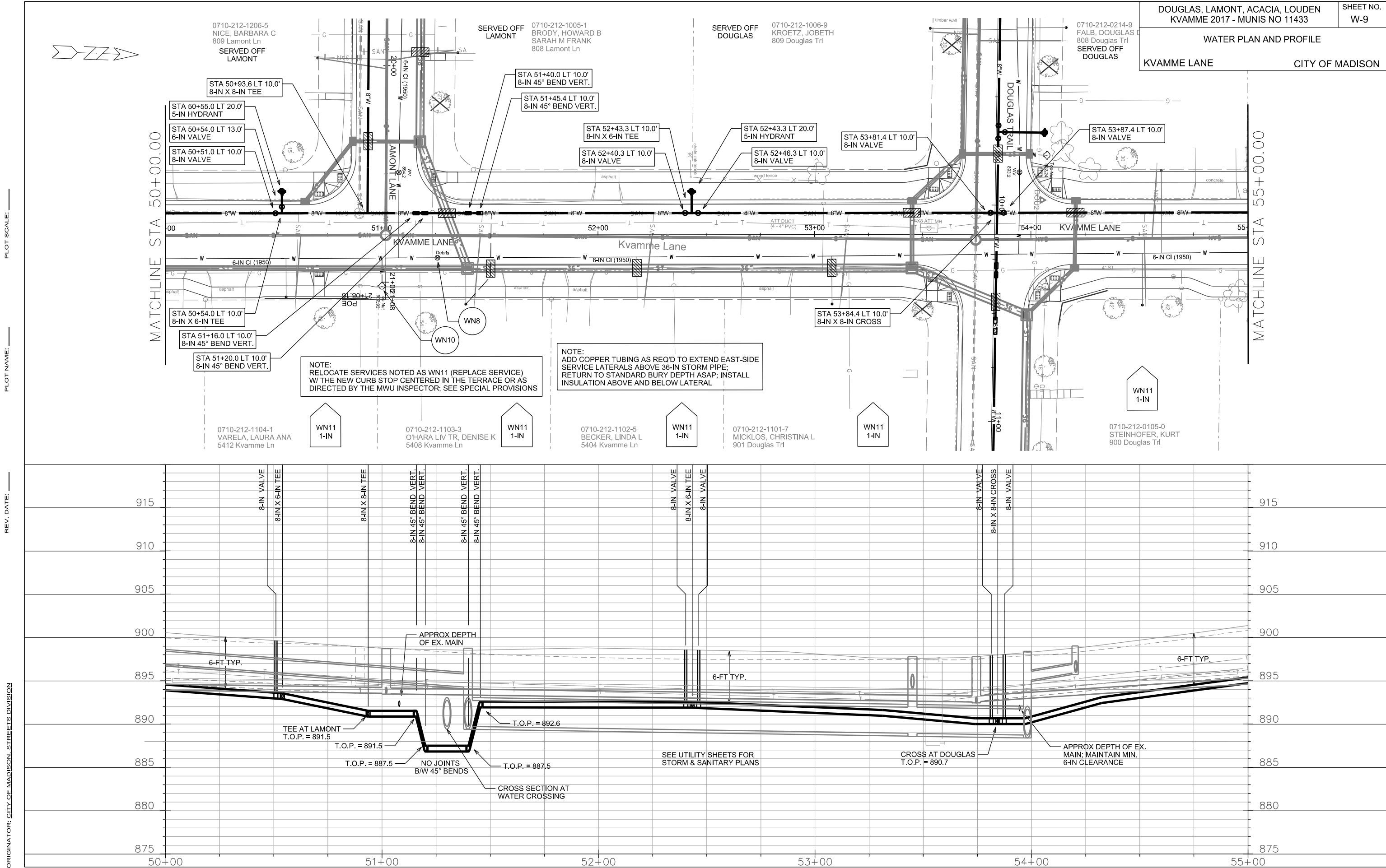












PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

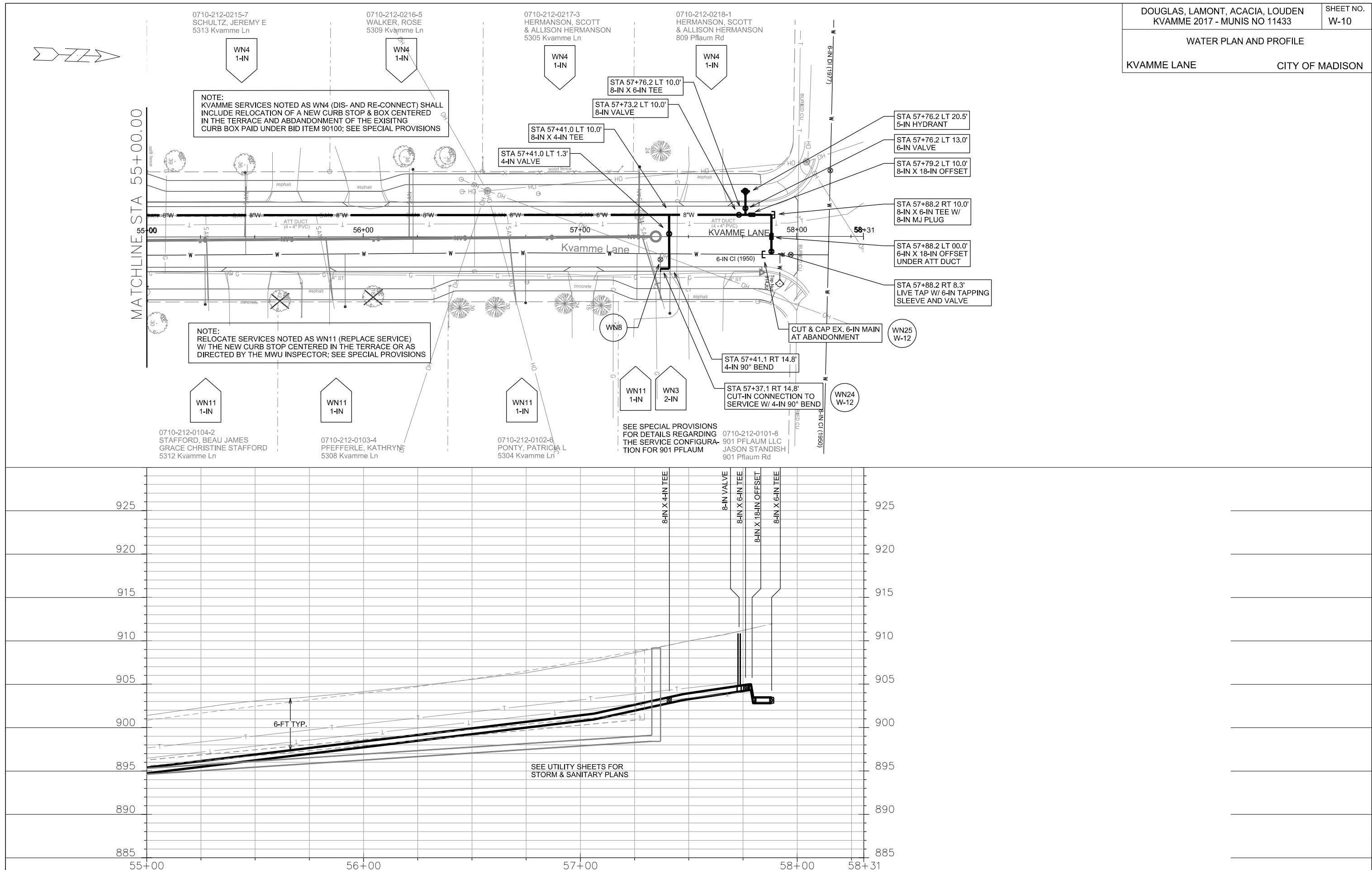
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

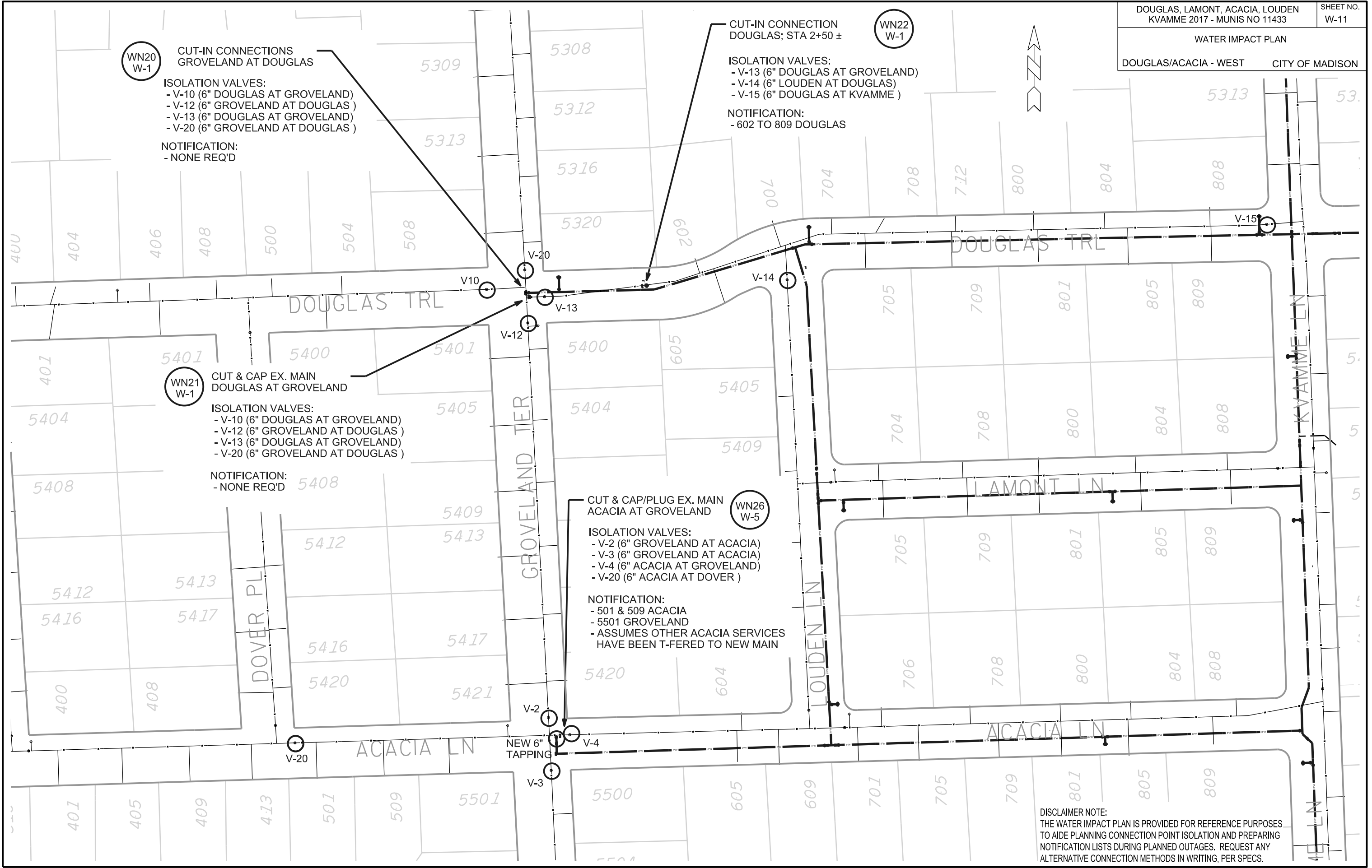
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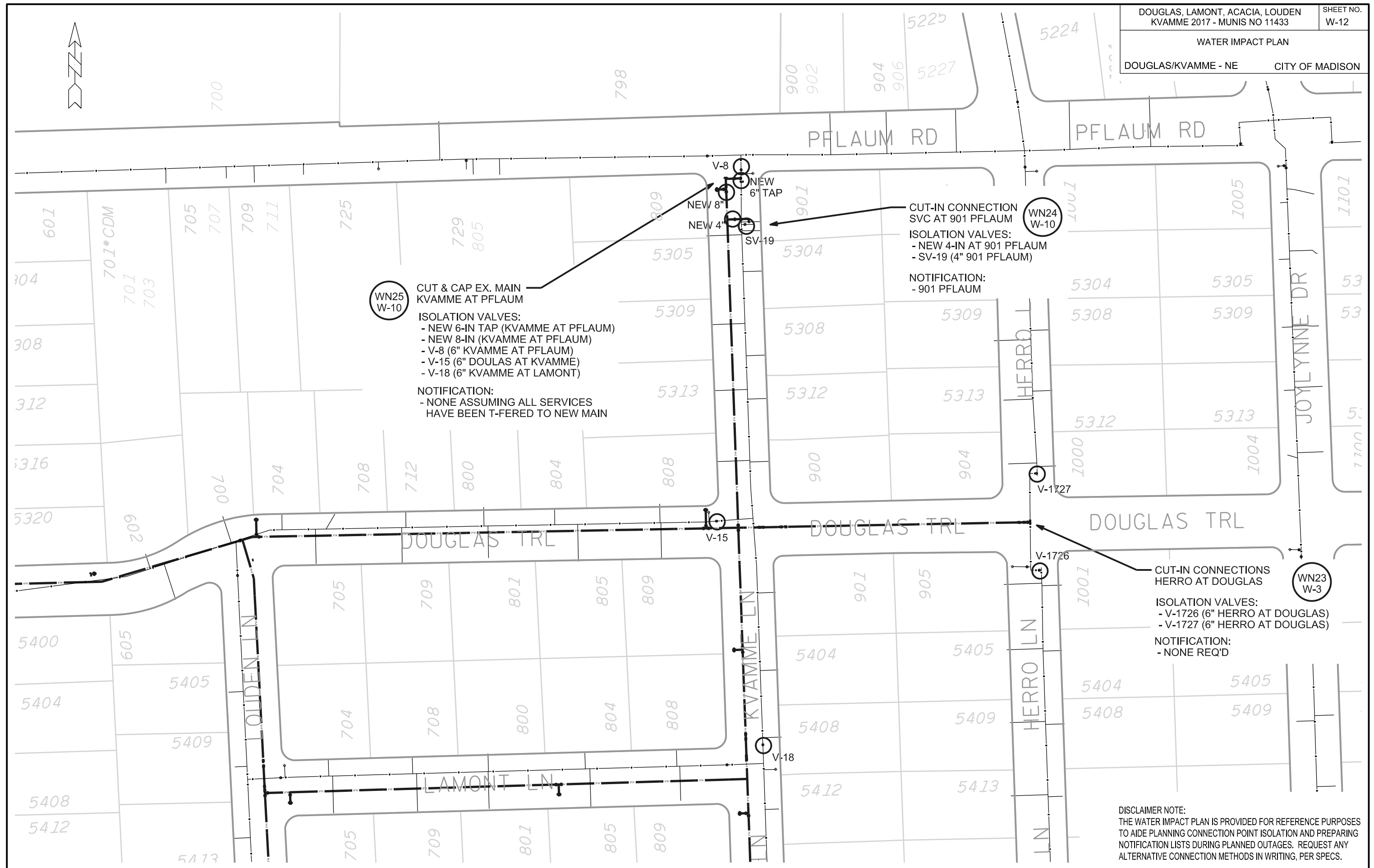
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

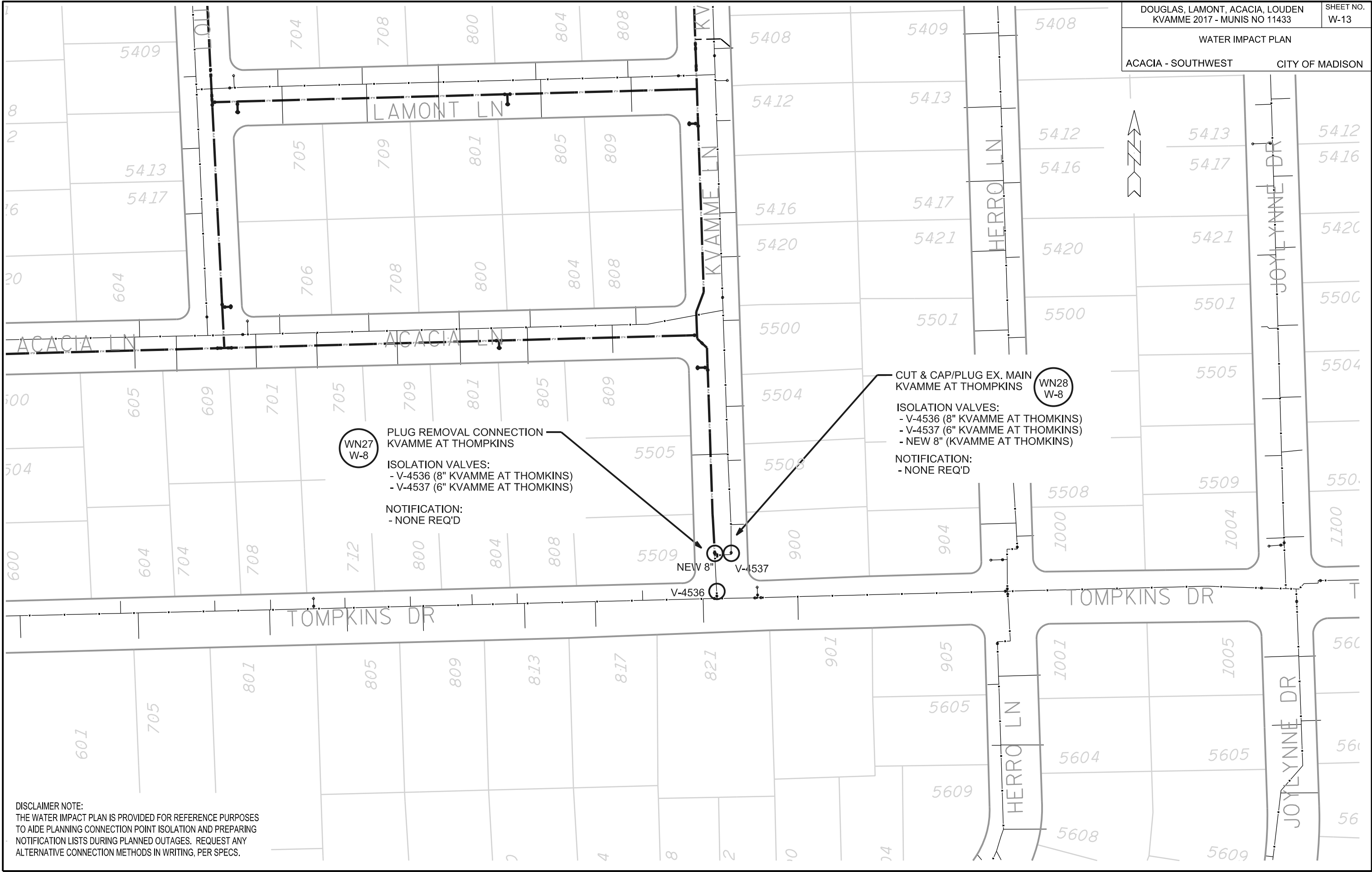


ORIGINATOR: CITY OF MADISON, STREETS DIVISION
REV. DATE: _____
PLOT NAME: _____
PLOT SCALE: _____





DISCLAIMER NOTE:
THE WATER IMPACT PLAN IS PROVIDED FOR REFERENCE PURPOSES
TO AIDE 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

REV. DATE: _____

PLOT NAME: _____

PLOT SCALE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

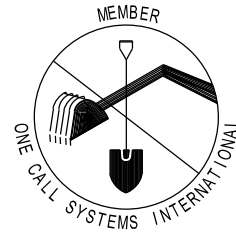


WATER ESTIMATE OF MATERIALS

CITY OF MADISON

- WN1 REPLACE THE EXISTING LEAD SERVICE WITH A NEW COPPER SERVICE.
- WN2 EXTEND AND RECONNECT THE EXISTING COPPER SERVICE TO THE NEW WATER MAIN.
- WN3 EXISTING SERVICE TO BE ABANDONED WHEN THE WATER MAIN IS CUT OFF.
- WN4 DISCONNECT FROM THE OLD WATER MAIN AND RECONNECT THE EXISTING COPPER WATER SERVICE LATERAL TO THE NEW 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
- WN20+ SEE WATER IMPACT PLAN FOR CONNECTION POINT ISOLATION AND WATER SHUT-OFF NOTIFICATION INFORMATION.

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



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

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DETAIL DRAWING NO. **7.04**

REVISÉ: 12/2015



1. RESTRAIN ENTIRE LENGTH OF HYDRANT LEAD FROM THE TEE THROUGH THE VALVE TO THE HYDRANT AS SPECIFIED USING JOINT RESTRAINTS PER SECTION 703.10

TYPICAL HYDRANT INSTALLATION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

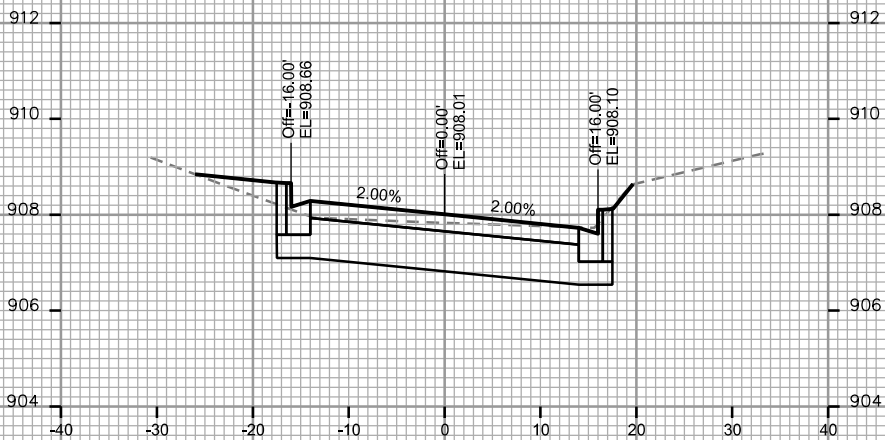
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-1

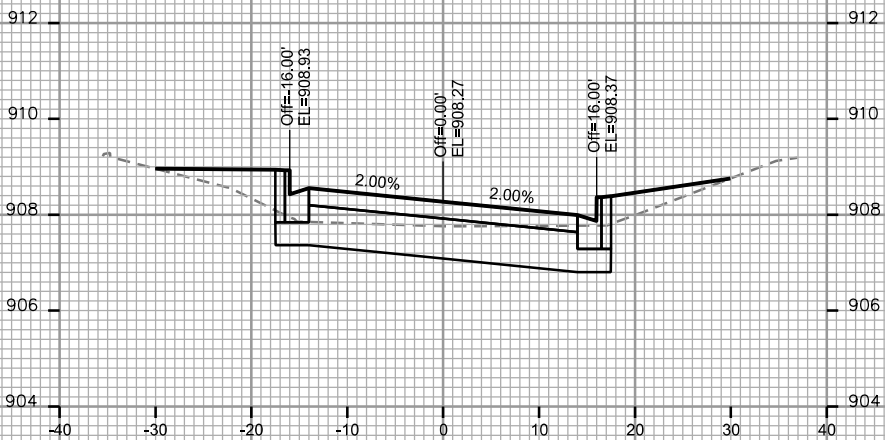
CROSS SECTIONS

DOUGLAS TRAIL

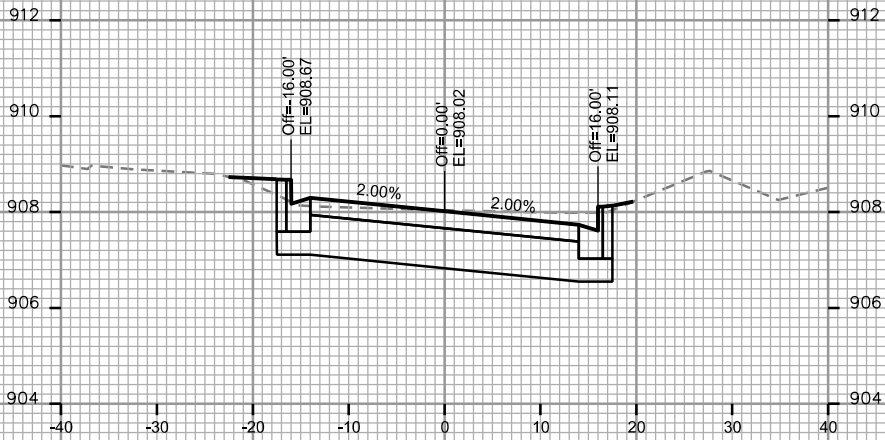
CITY OF MADISON



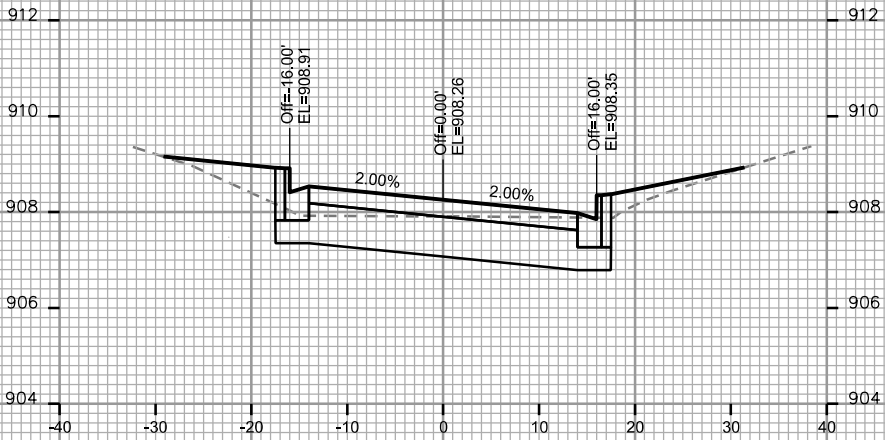
STA. 1+50



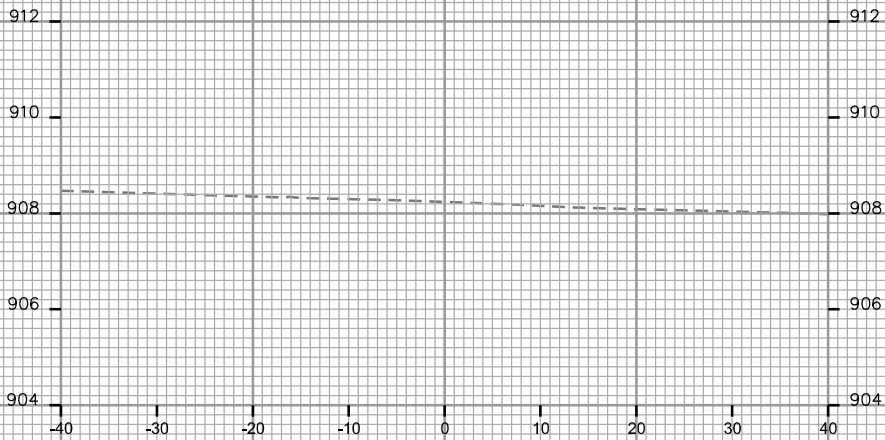
STA. 2+25



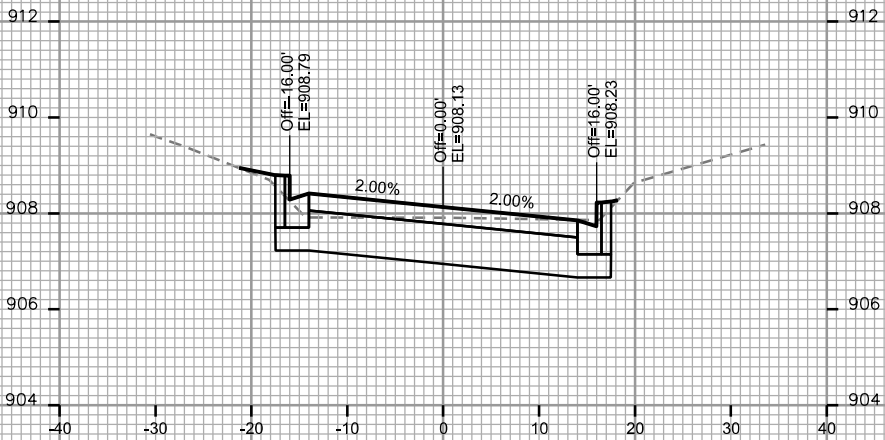
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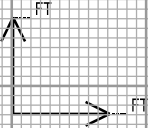
STA. 2+00



STA. 1+00



STA. 1+75

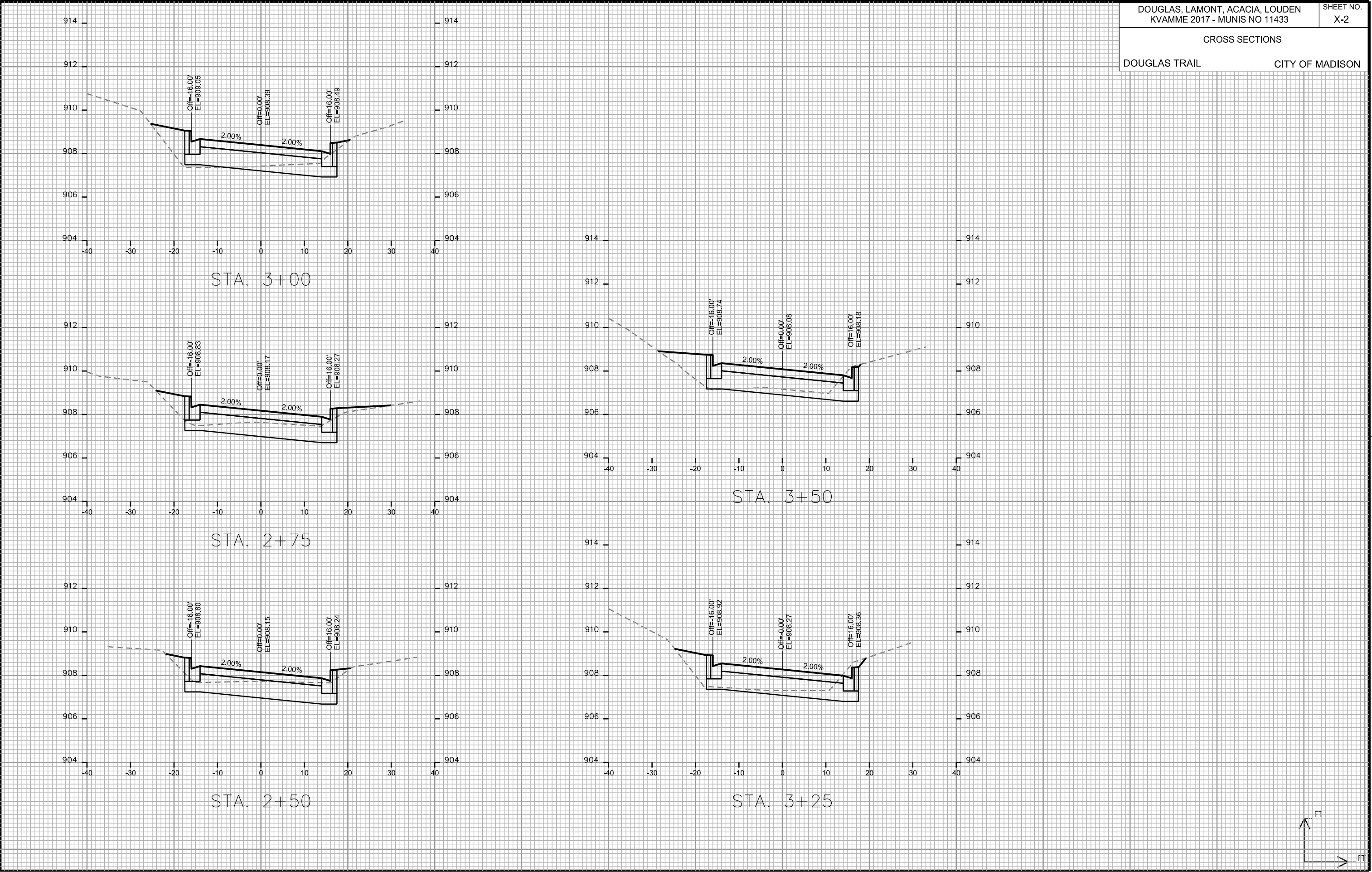


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



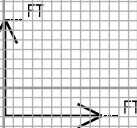
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-2

CROSS SECTIONS

DOUGLAS TRAIL

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

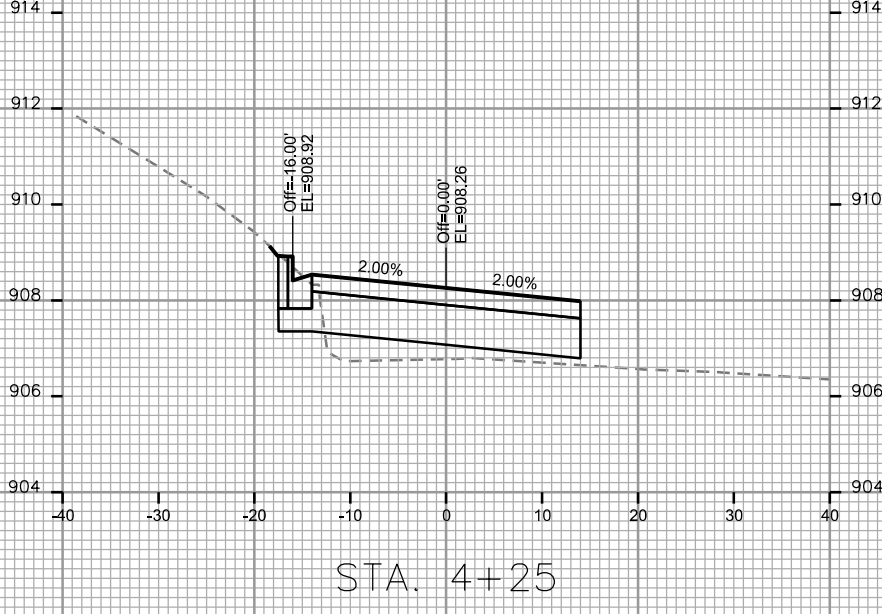
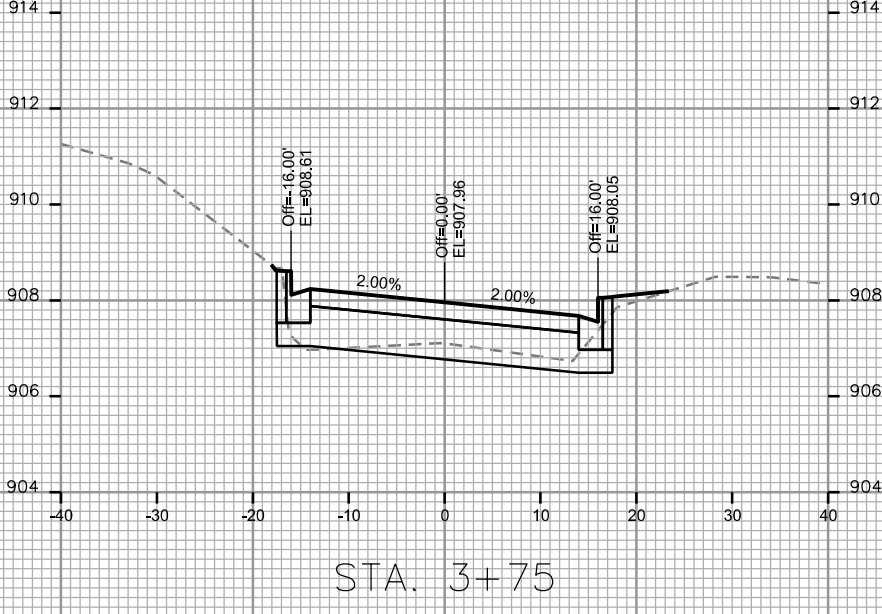
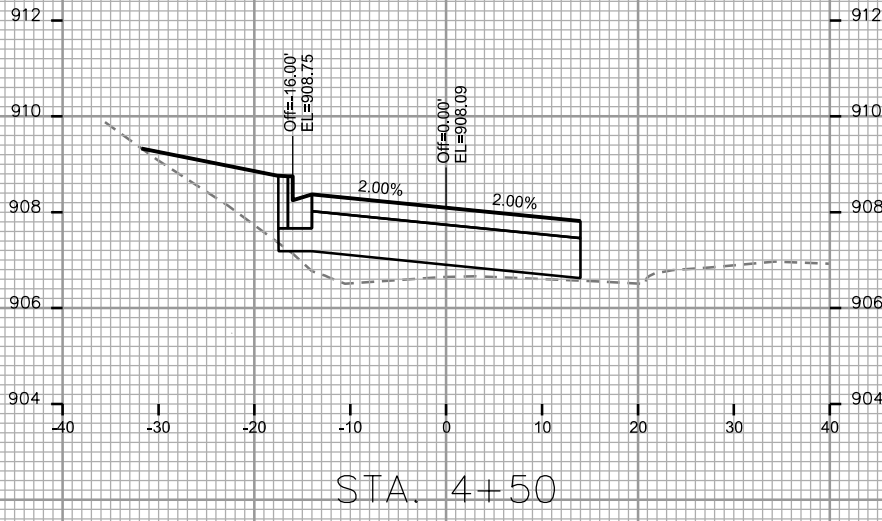
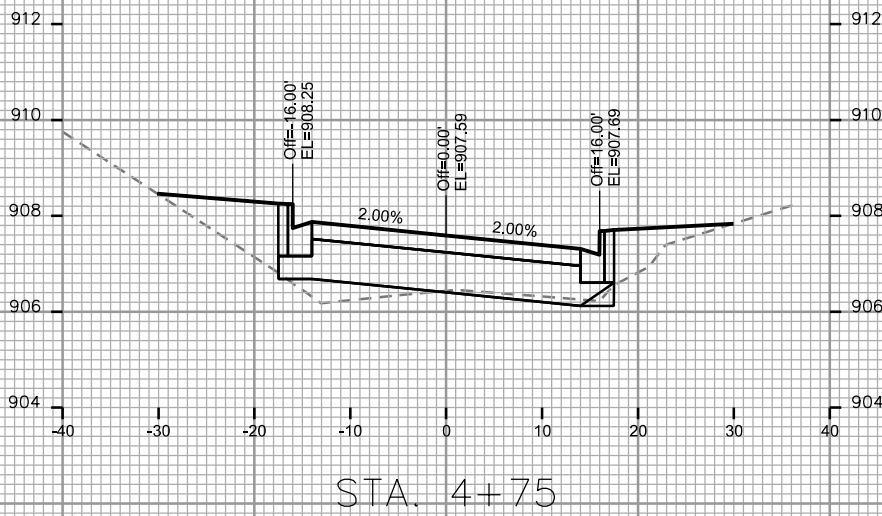
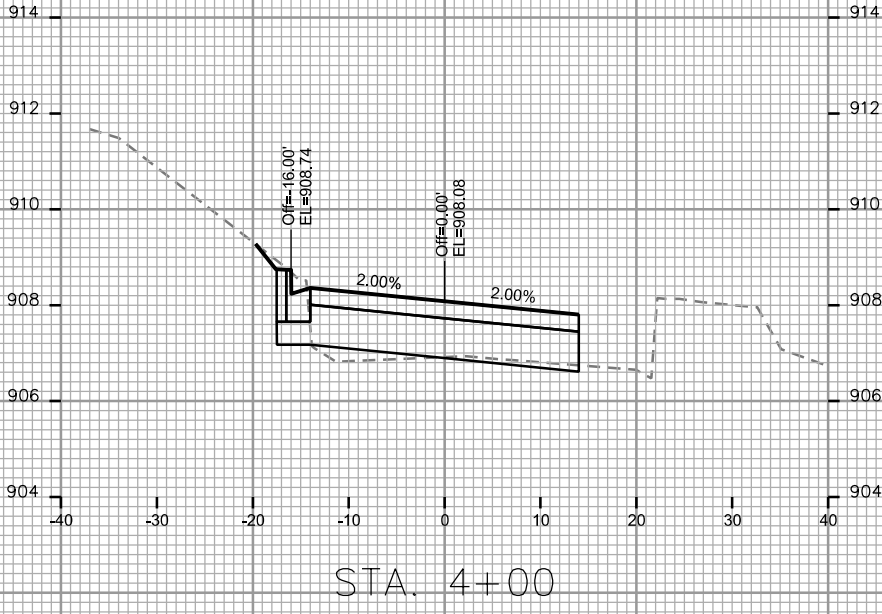
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-3

CROSS SECTIONS

DOUGLAS TRAIL

CITY OF MADISON



CROSS SECTIONS

DOUGLAS TRAIL

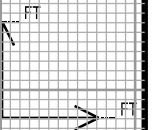
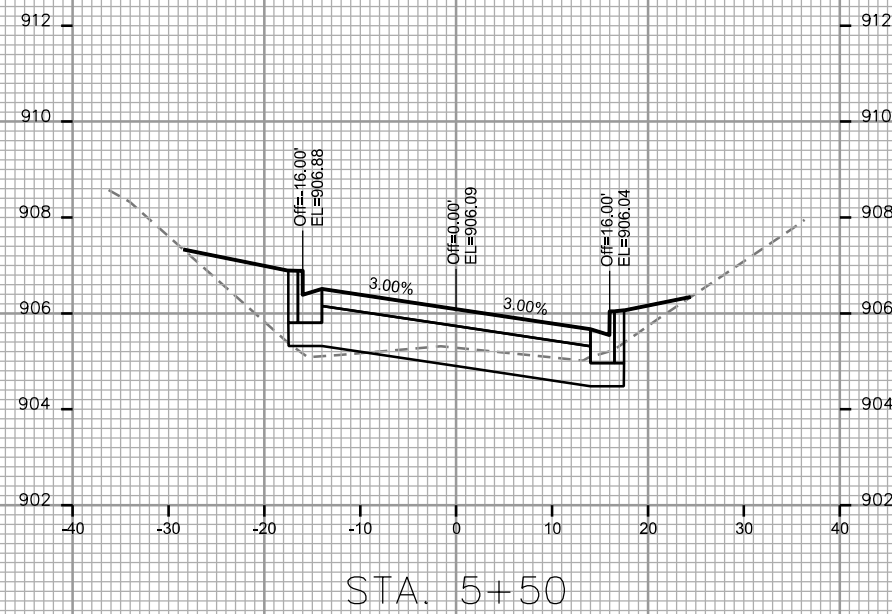
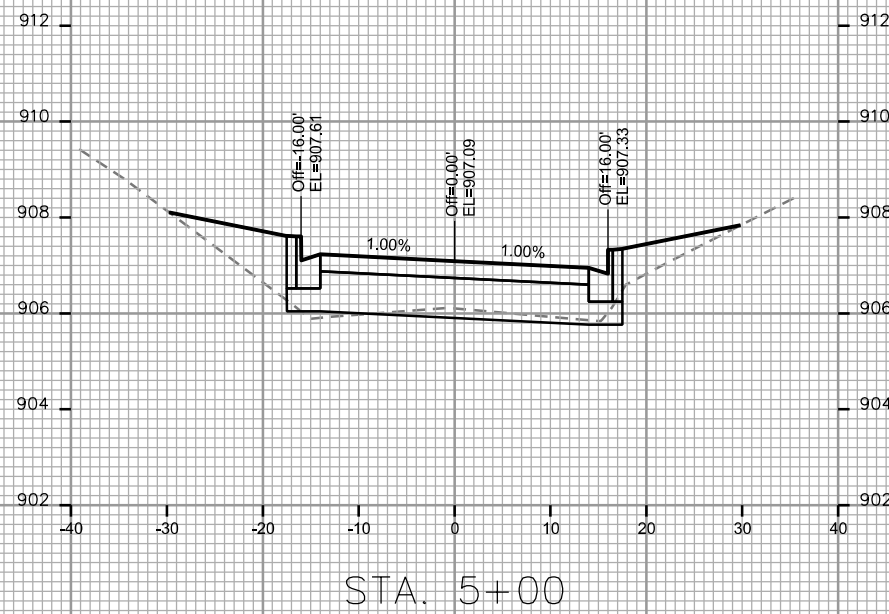
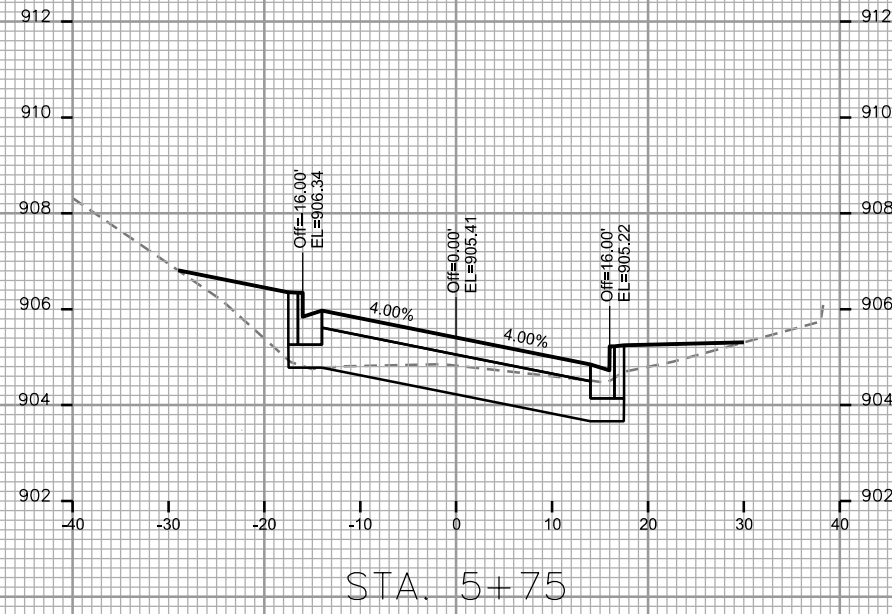
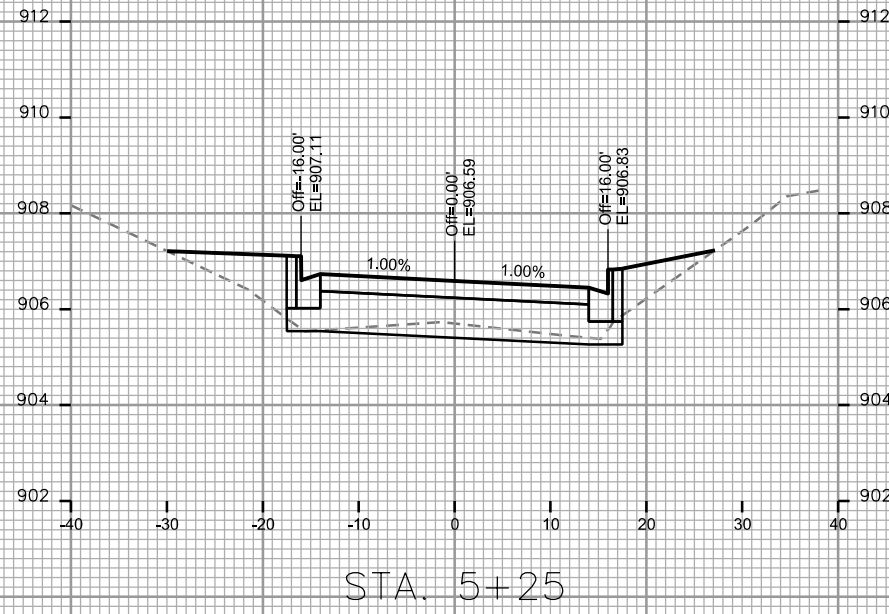
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

DOUGLAS TRAIL

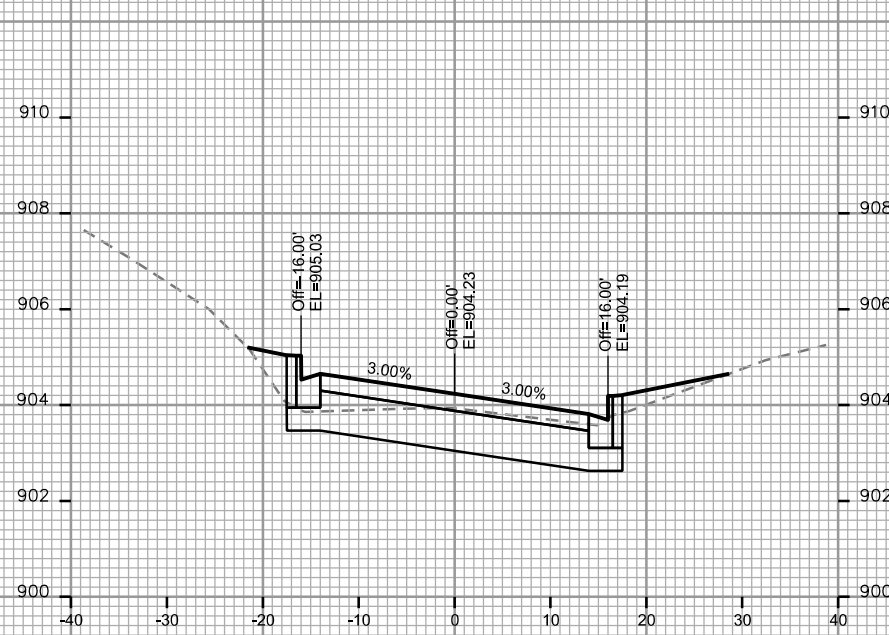
CITY OF MADISON

PLOT SCALE: _____

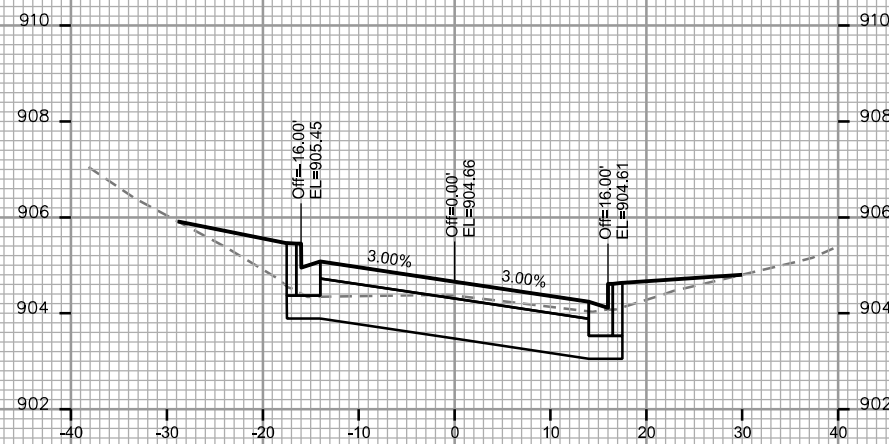
PLOT NAME: _____

REV. DATE: _____

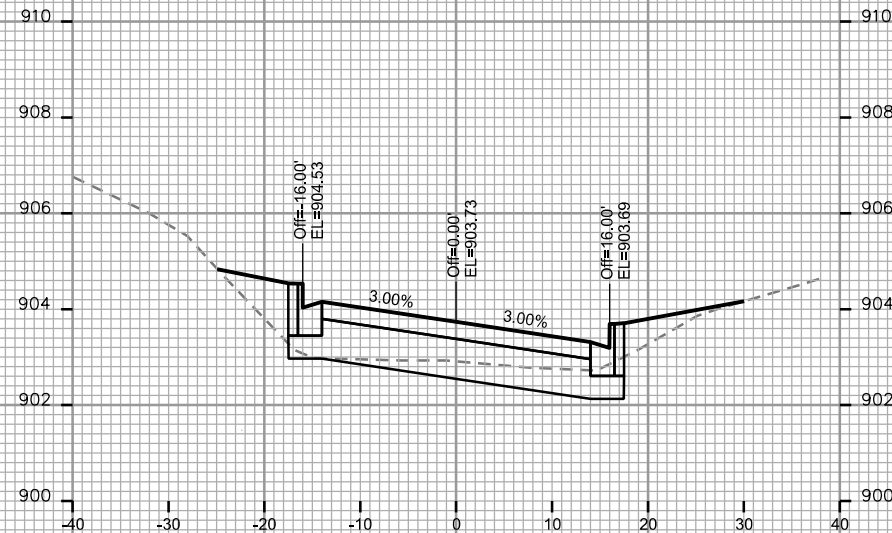
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



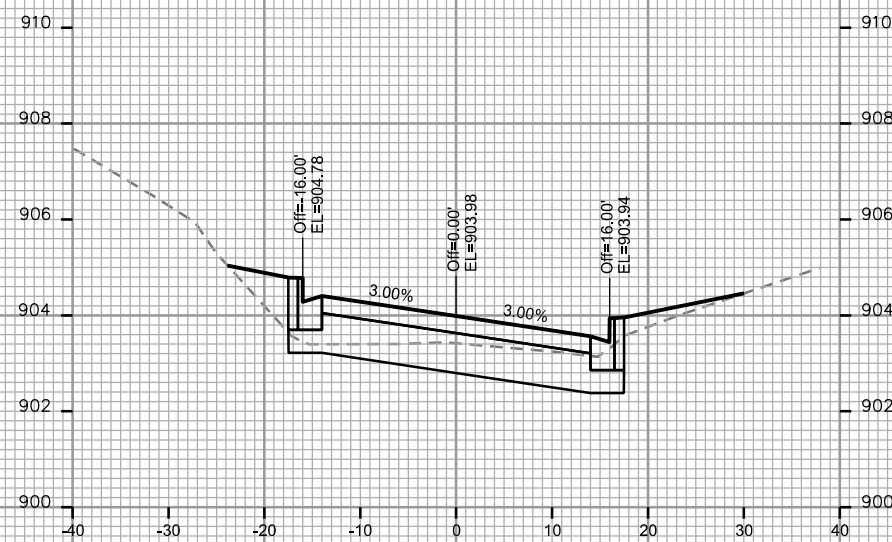
STA. 6+25



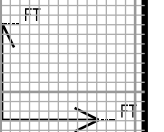
STA. 6+00



STA. 6+75



STA. 6+50



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

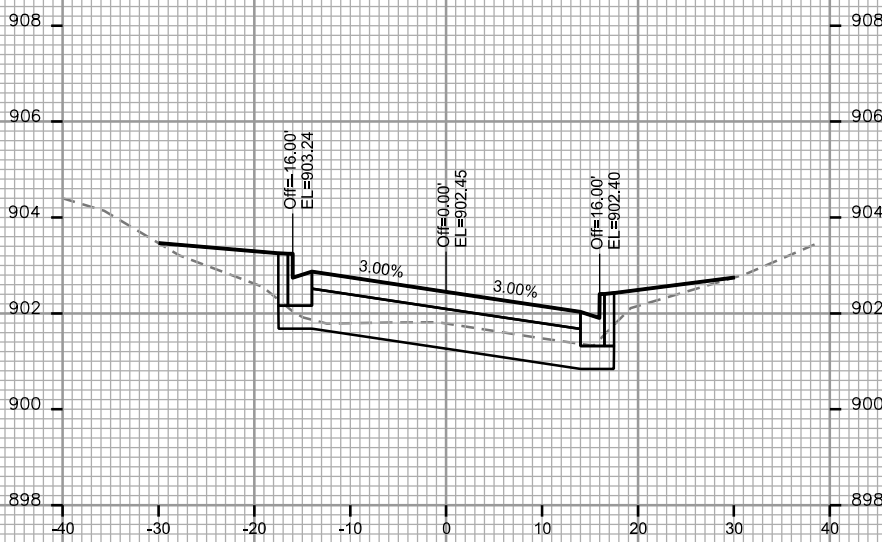
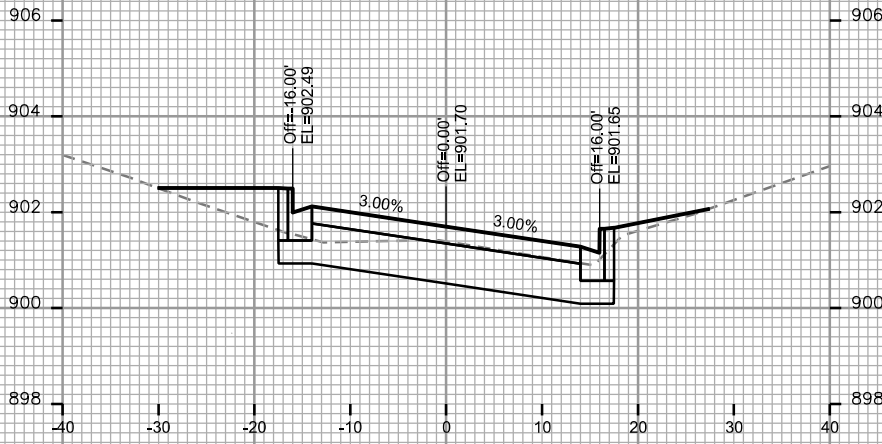
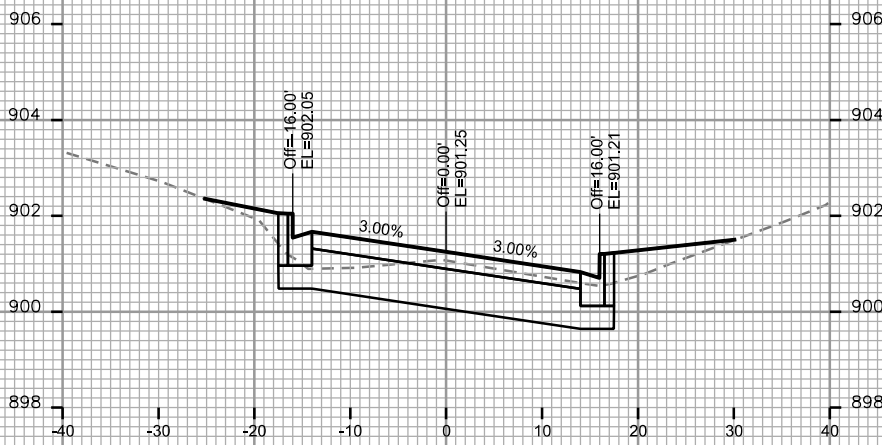
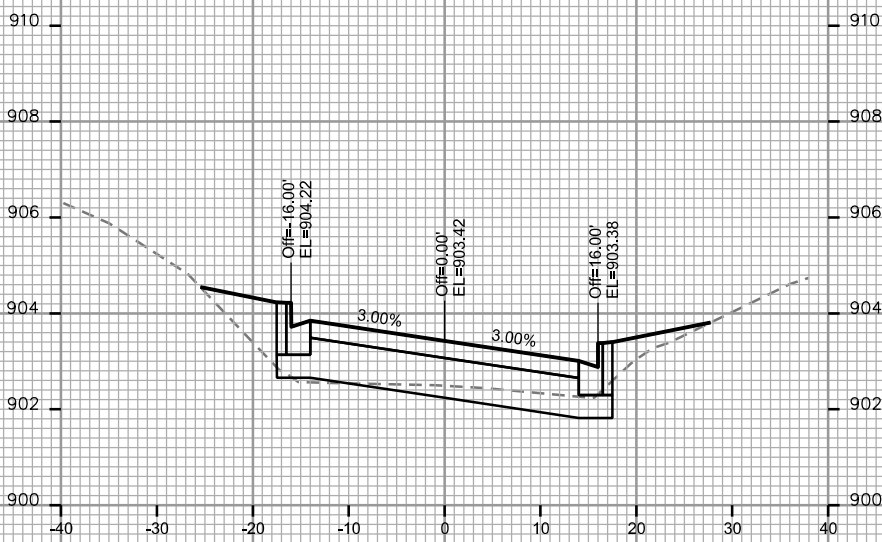
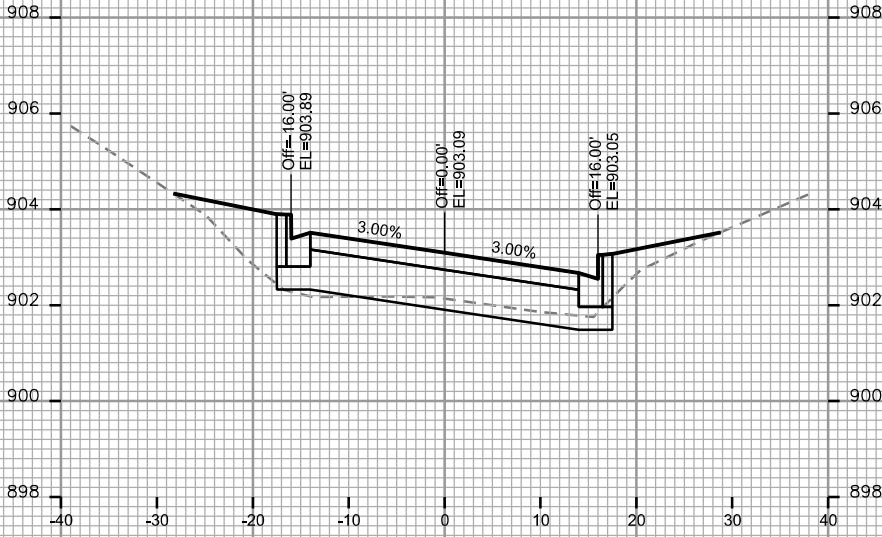
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-6

CROSS SECTIONS

DOUGLAS TRAIL

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

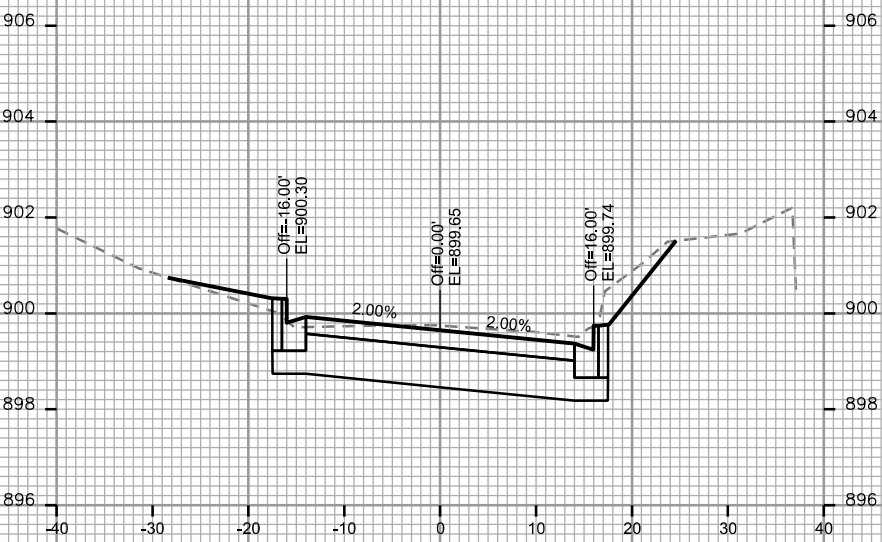
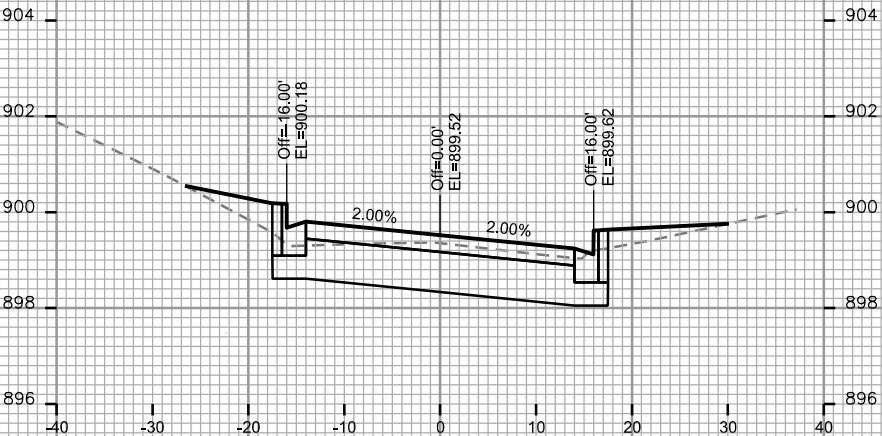
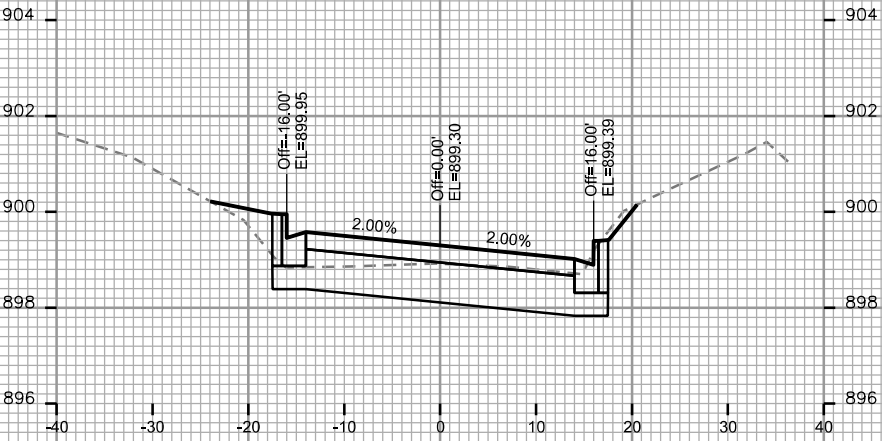
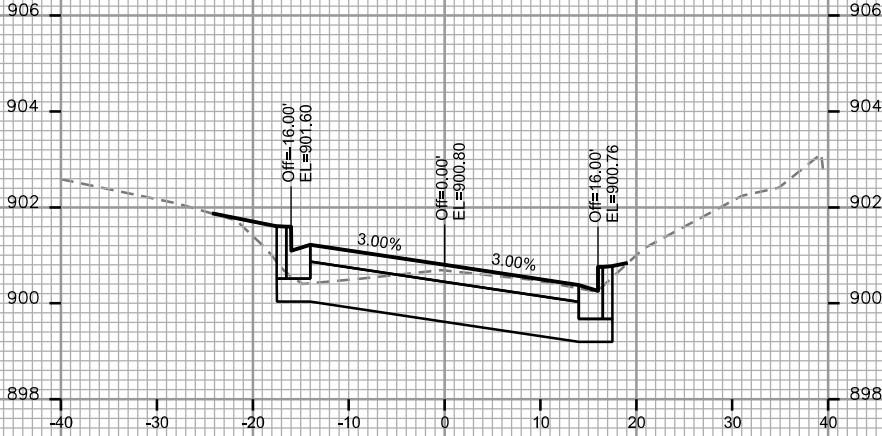
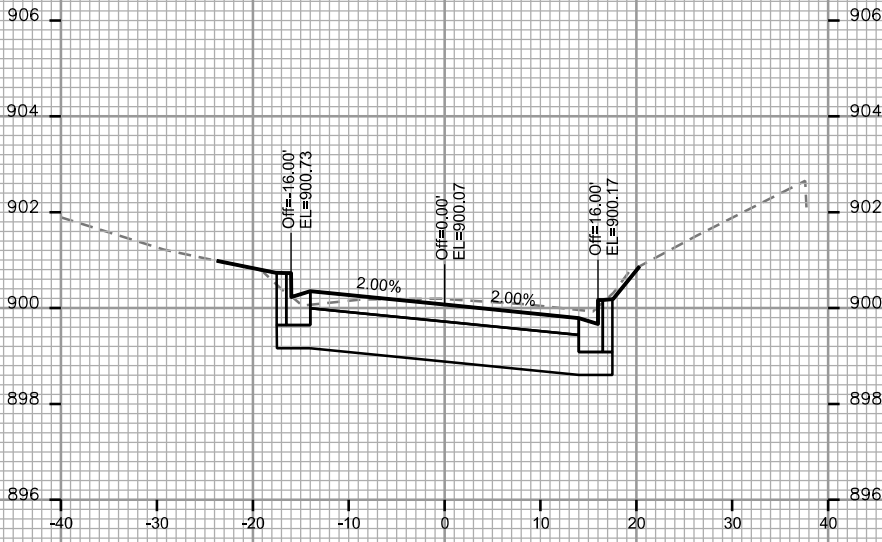
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-7

CROSS SECTIONS

DOUGLAS TRAIL

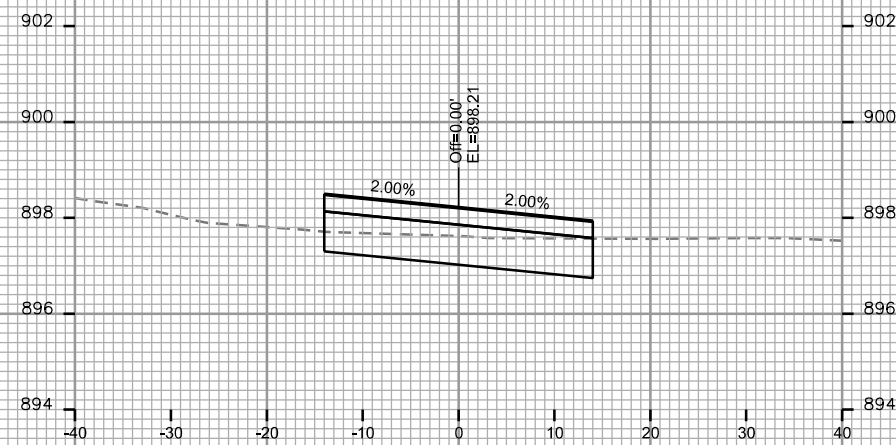
CITY OF MADISON



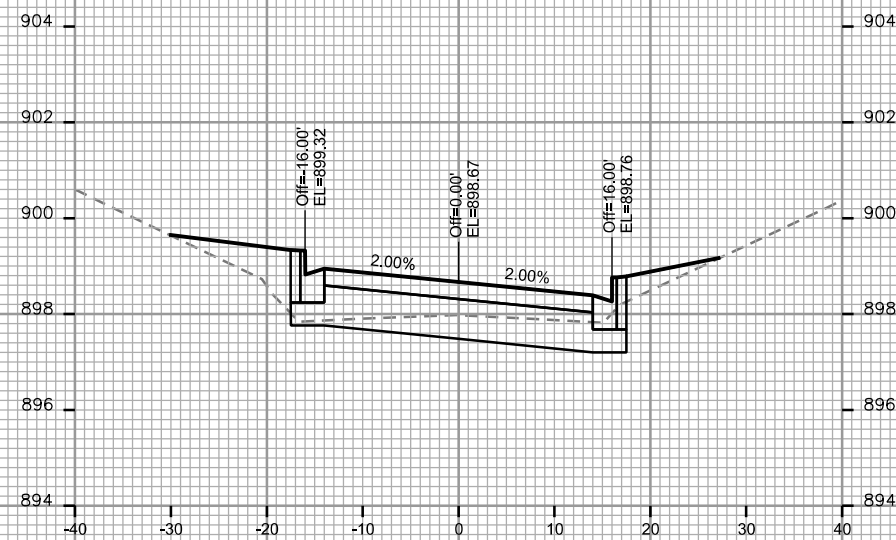
CROSS SECTIONS

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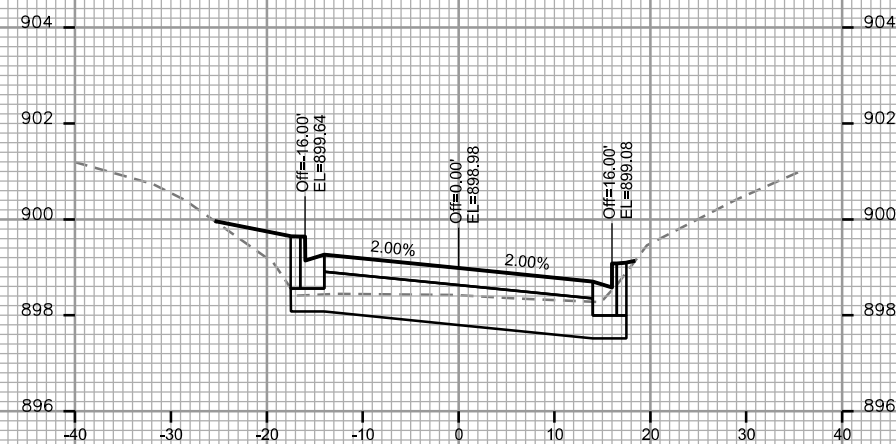
CITY OF MADISON



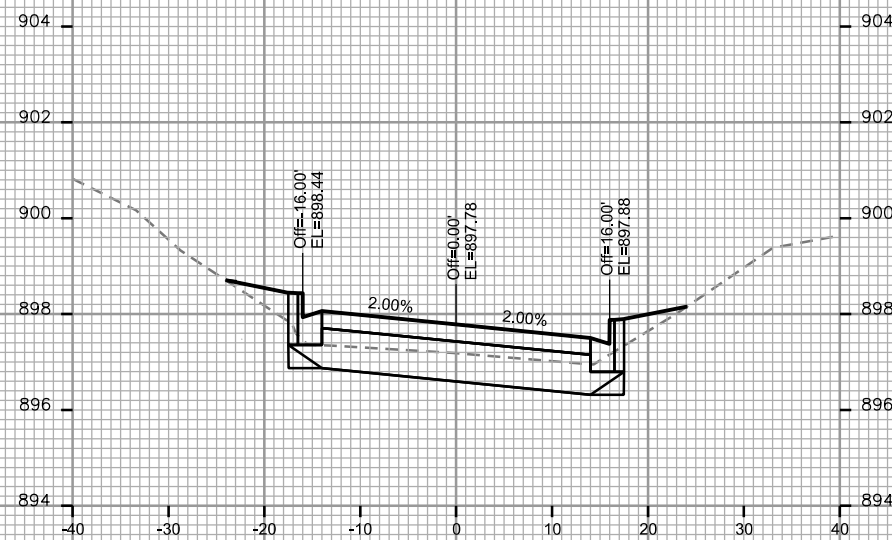
STA. 10+00



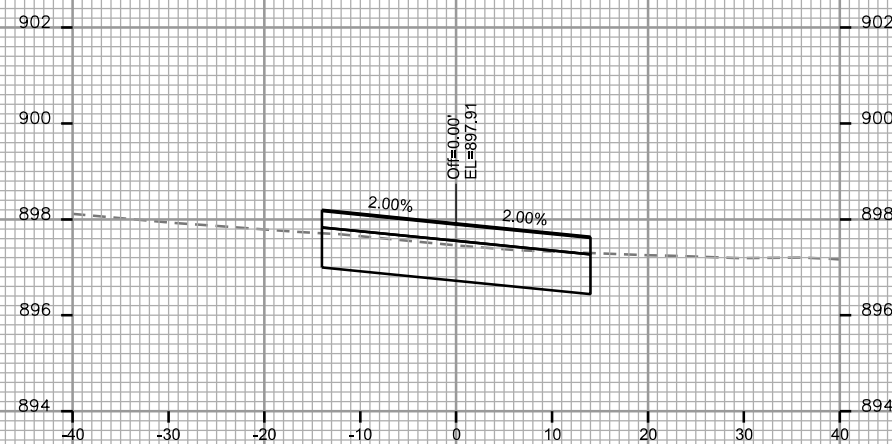
STA. 9+75



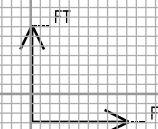
STA. 9+50



STA. 10+50



STA. 10+25



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

DOUGLAS TRAIL

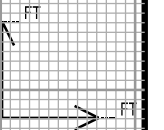
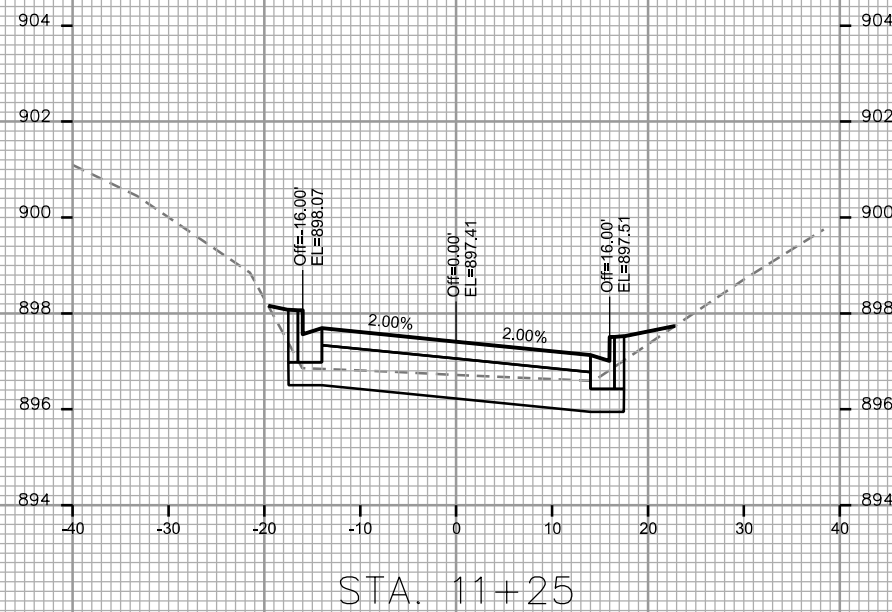
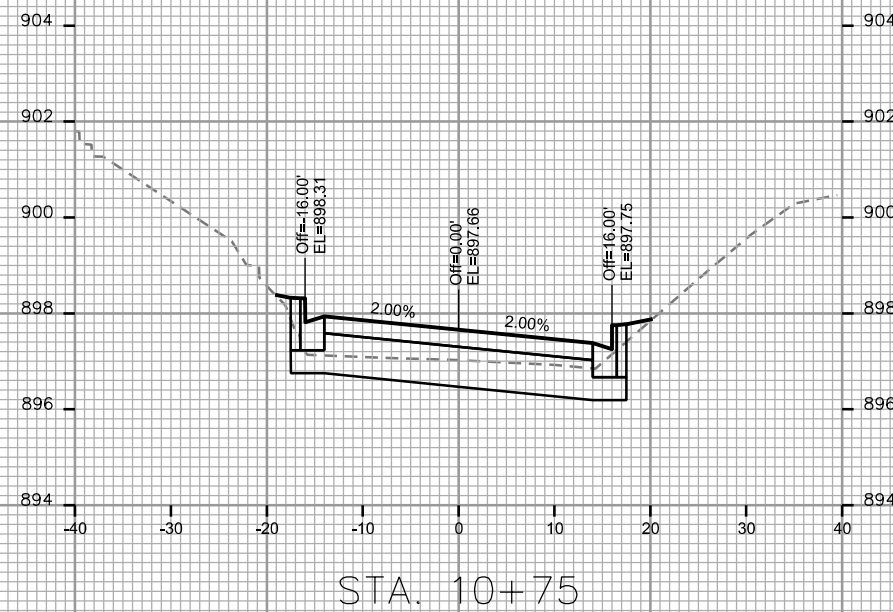
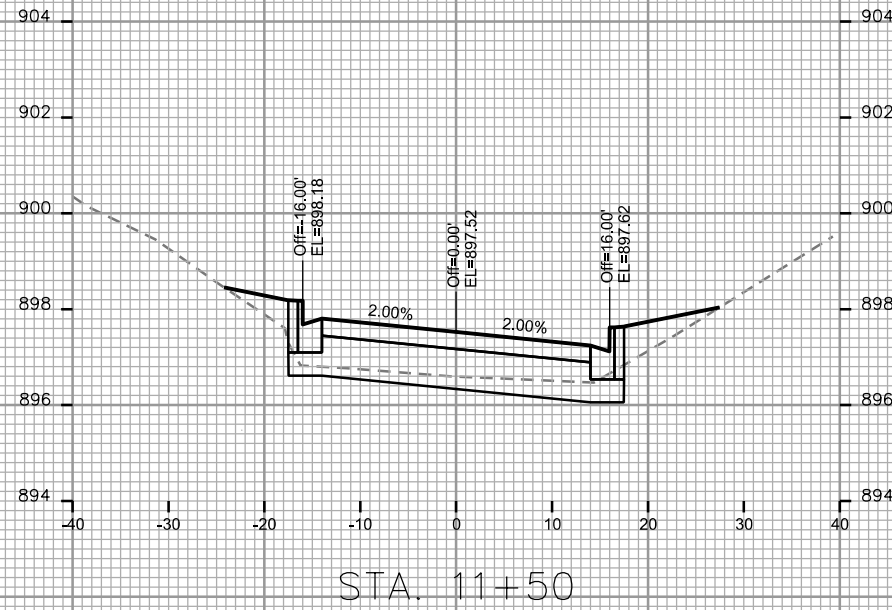
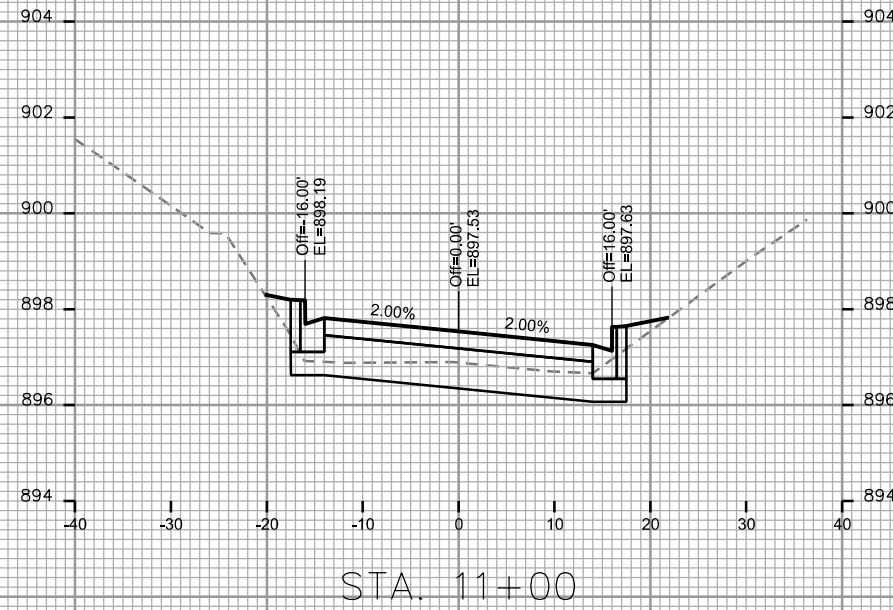
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

DOUGLAS TRAIL

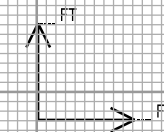
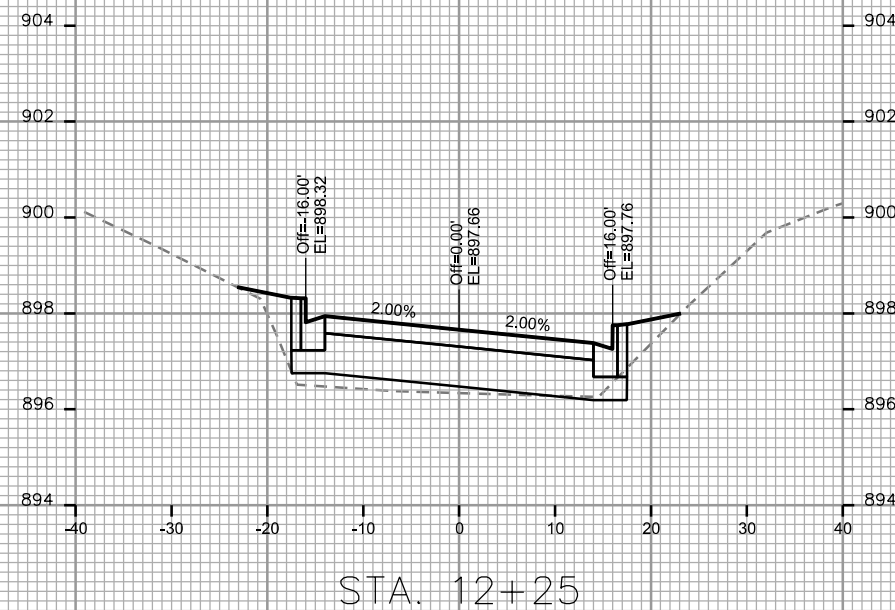
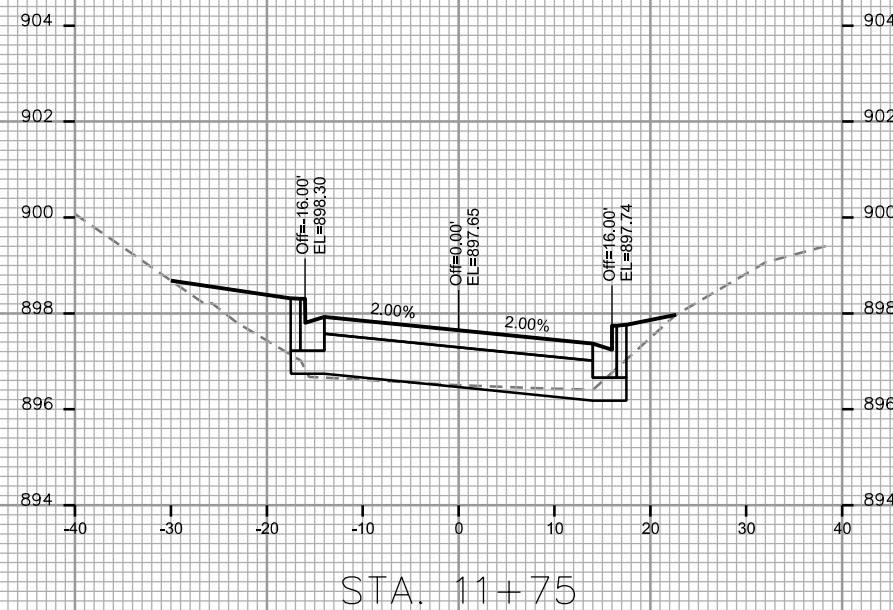
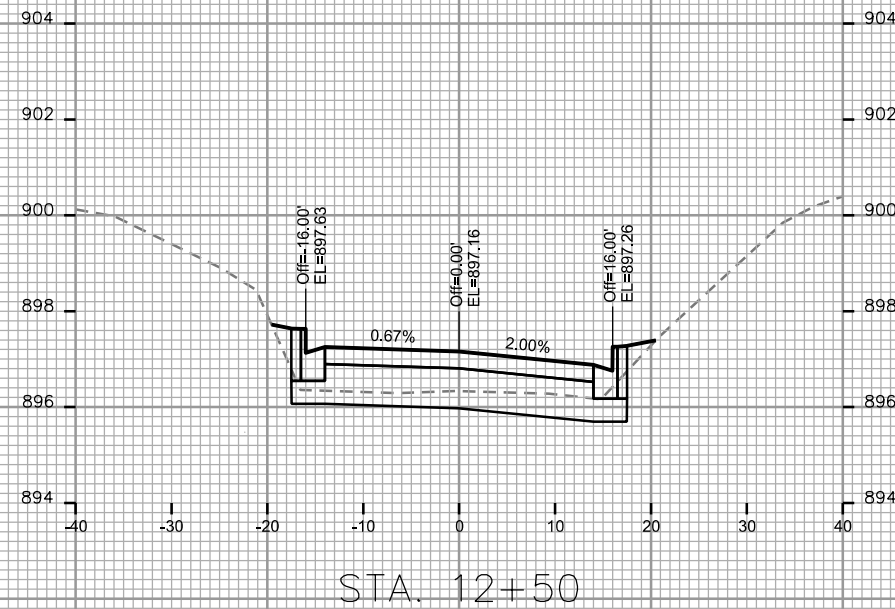
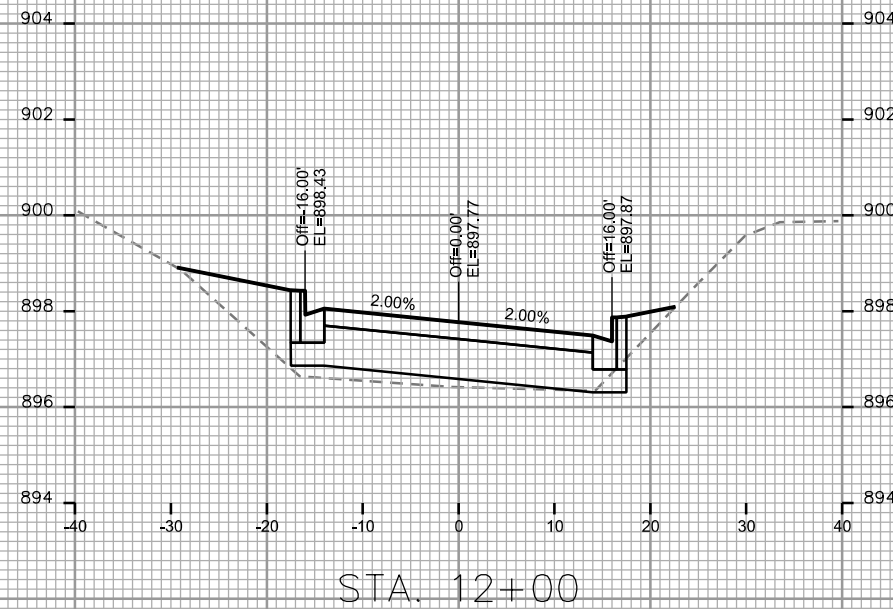
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

DOUGLAS TRAIL

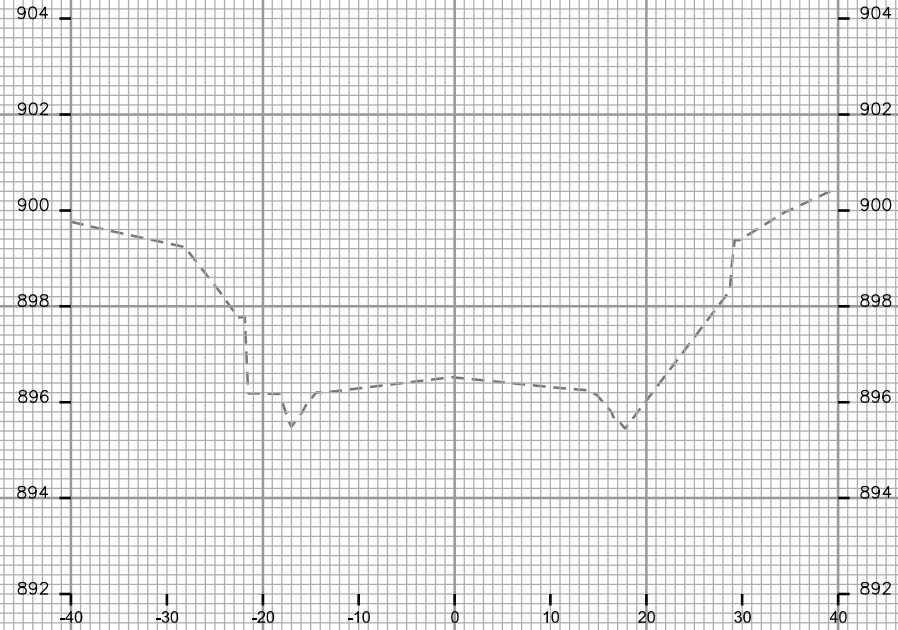
CITY OF MADISON

PLOT SCALE: _____

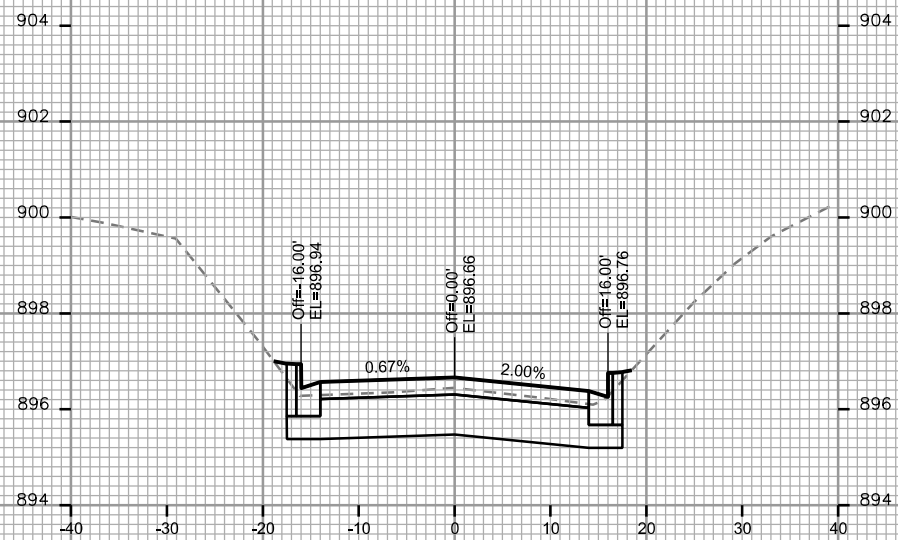
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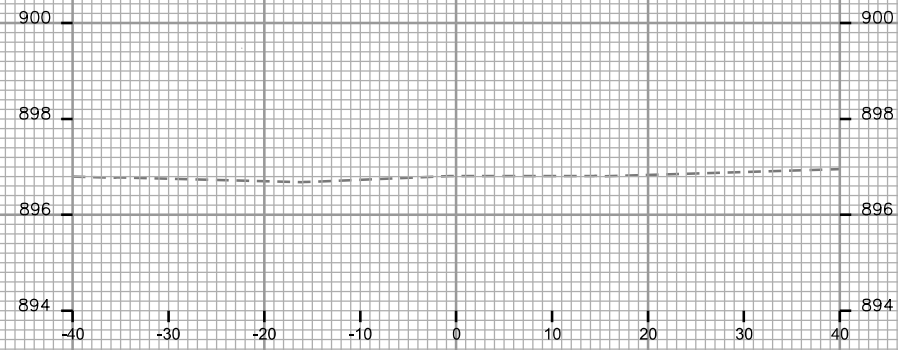
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



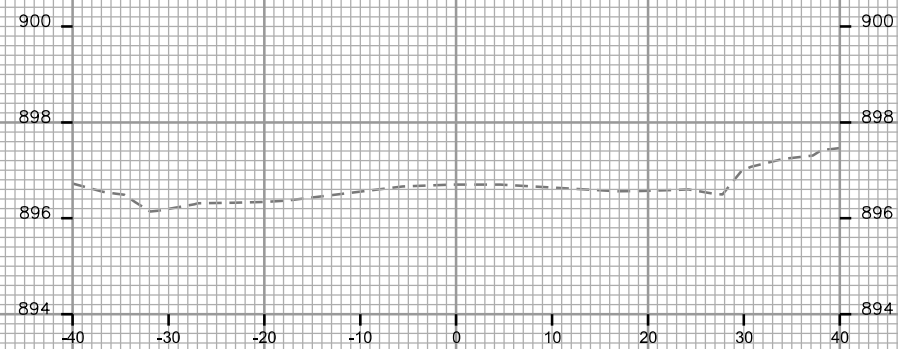
STA. 13+00



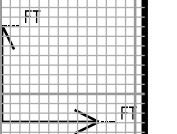
STA. 12+75



STA. 13+42



STA. 13+25



CROSS SECTIONS

LAMONT LANE

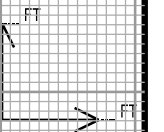
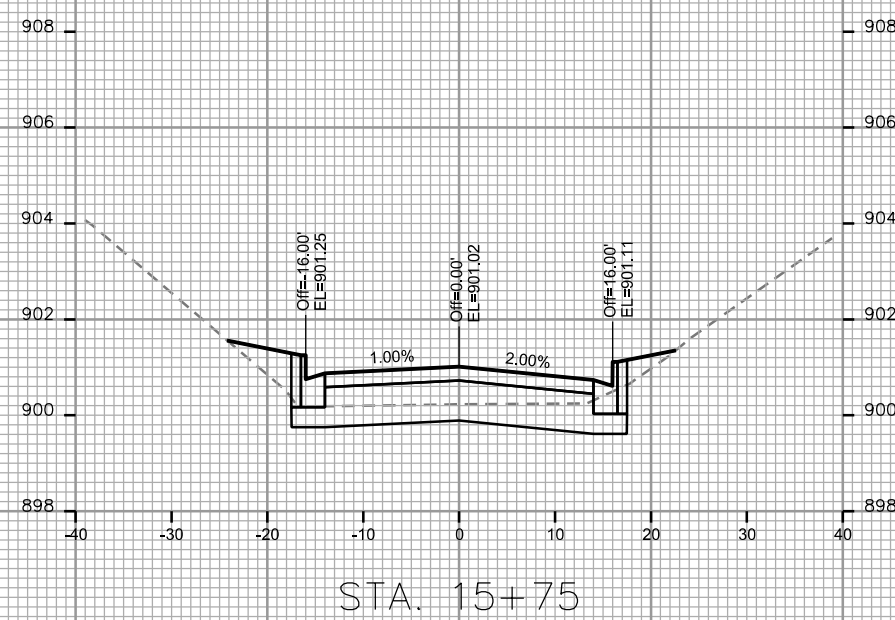
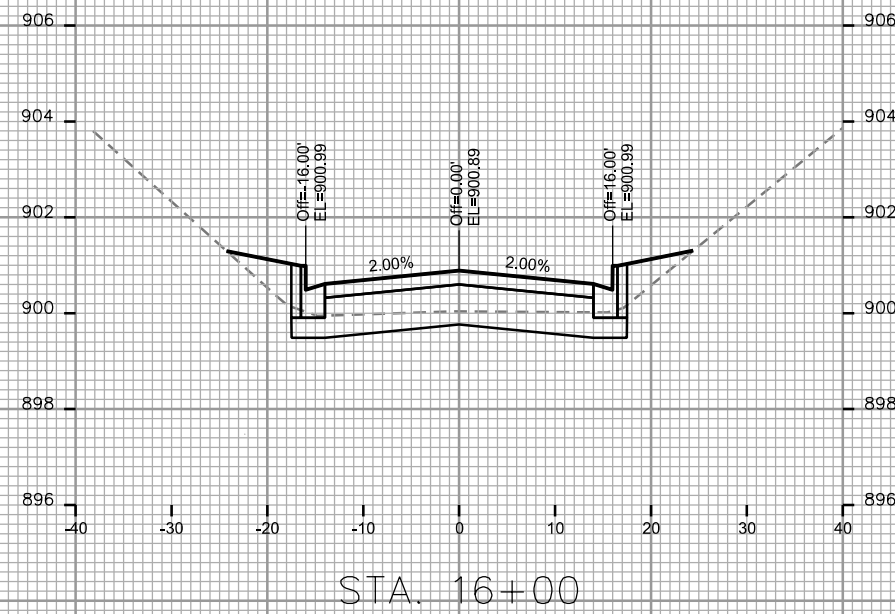
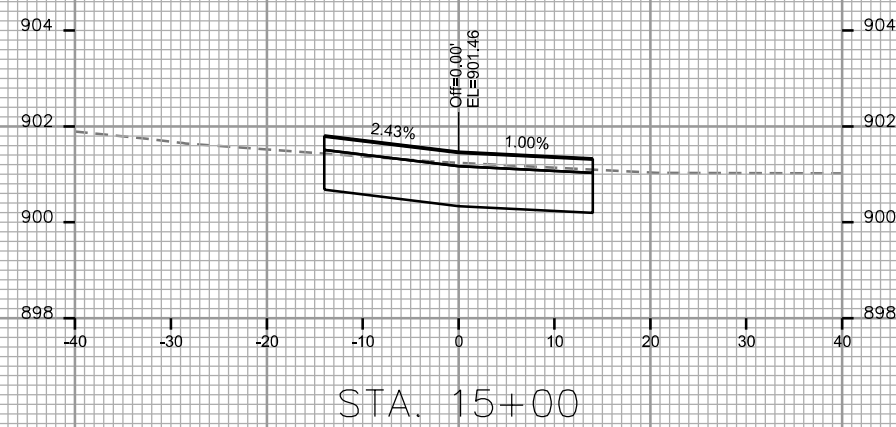
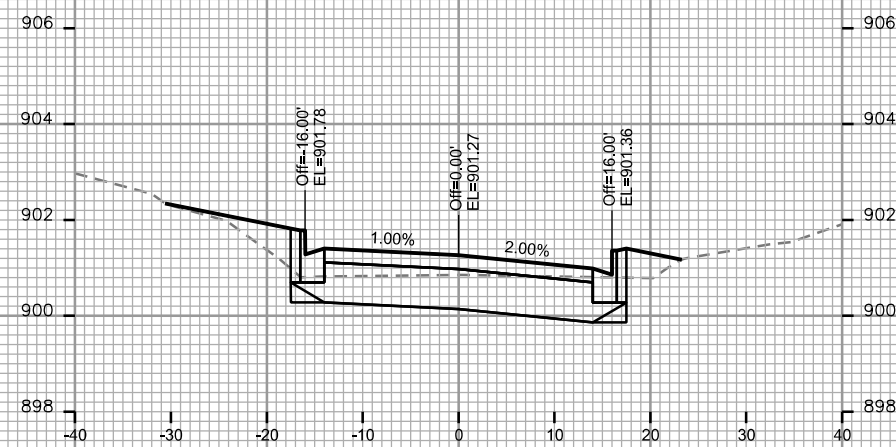
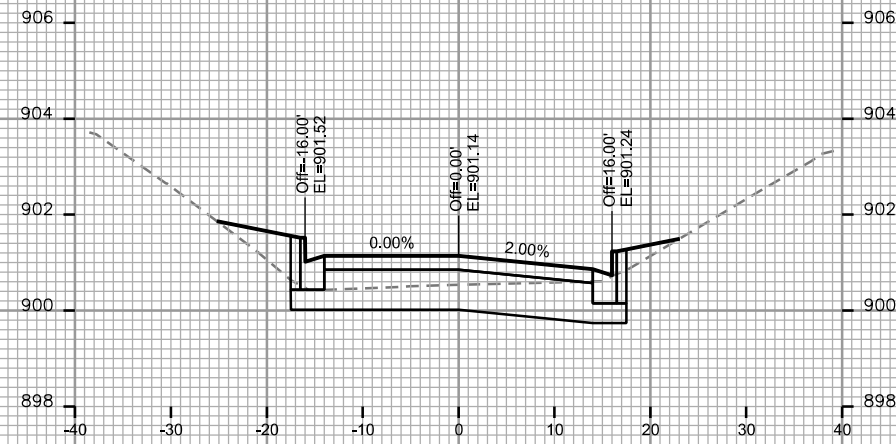
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

LAMONT LANE

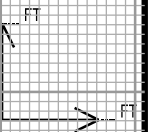
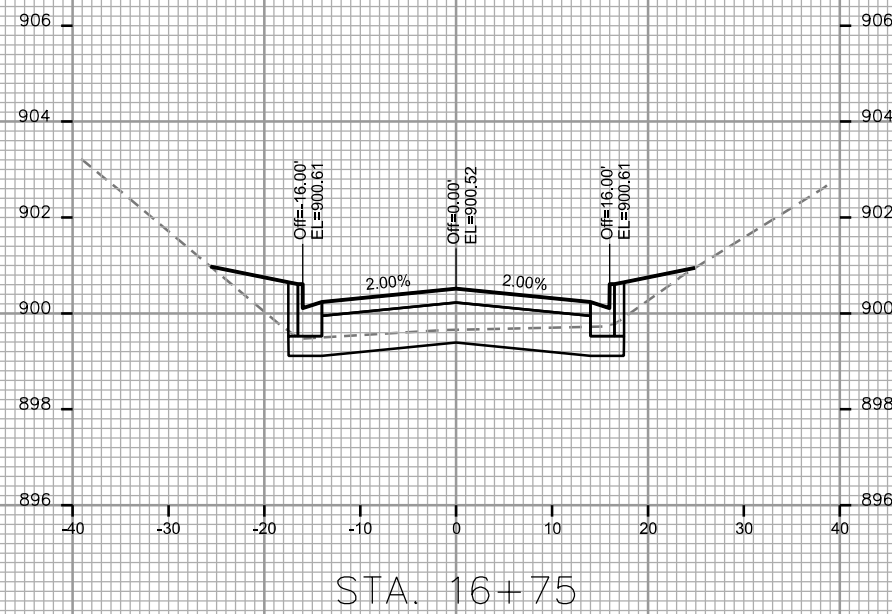
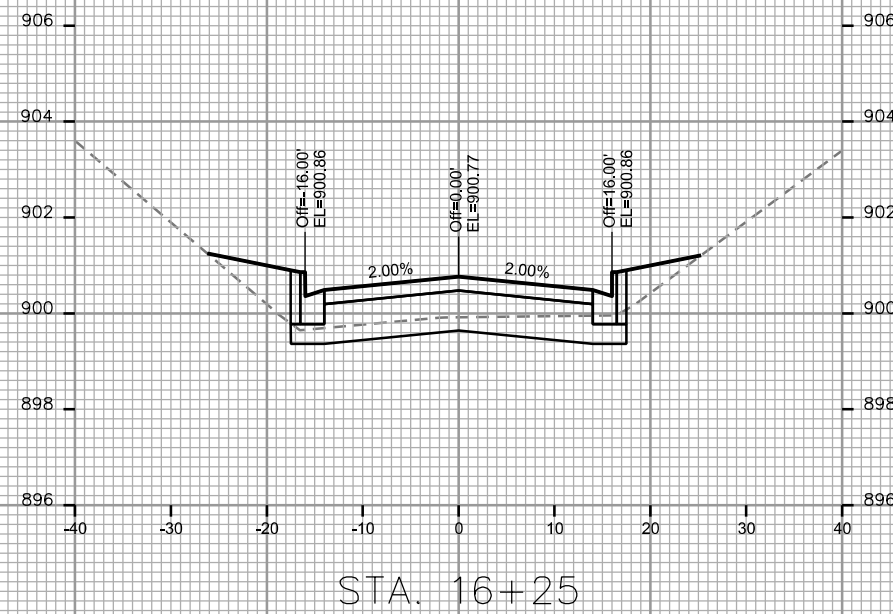
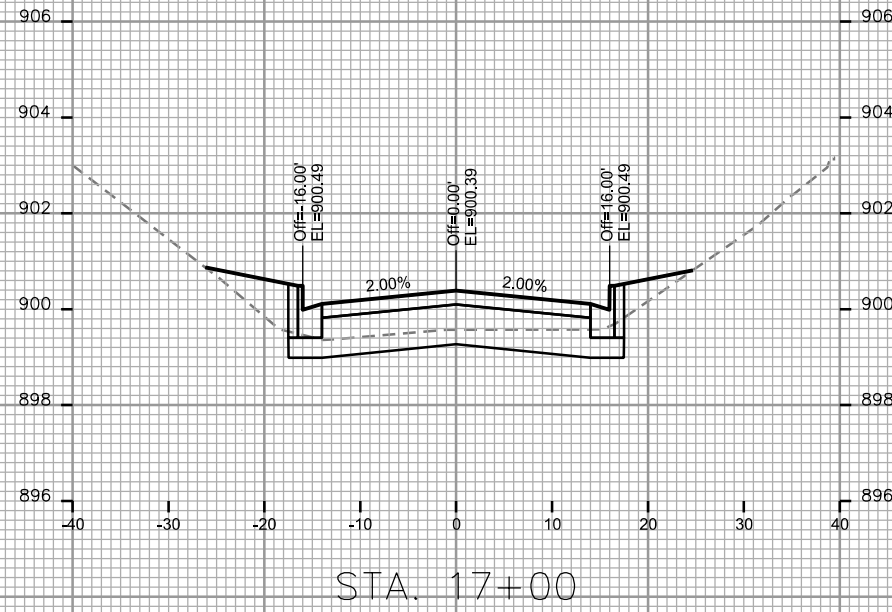
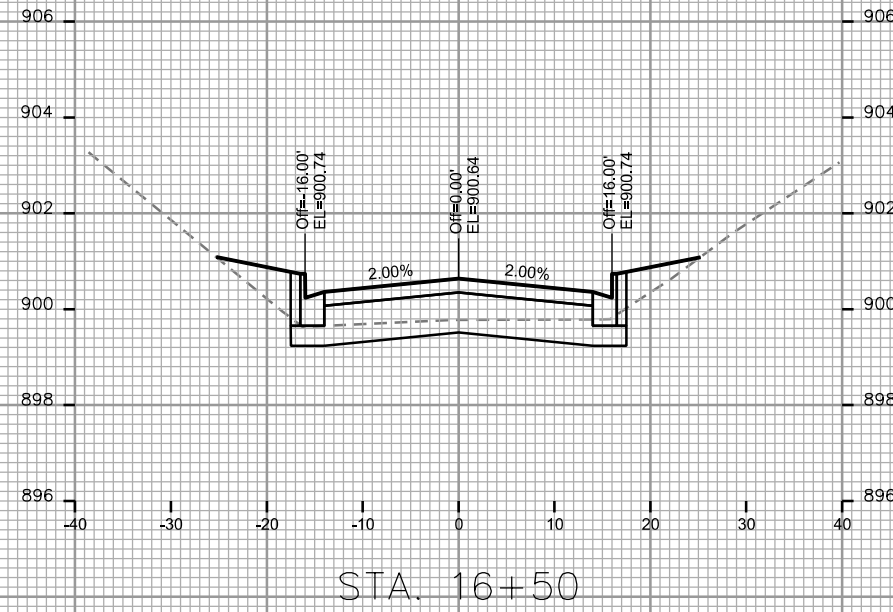
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

LAMONT LANE

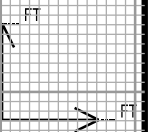
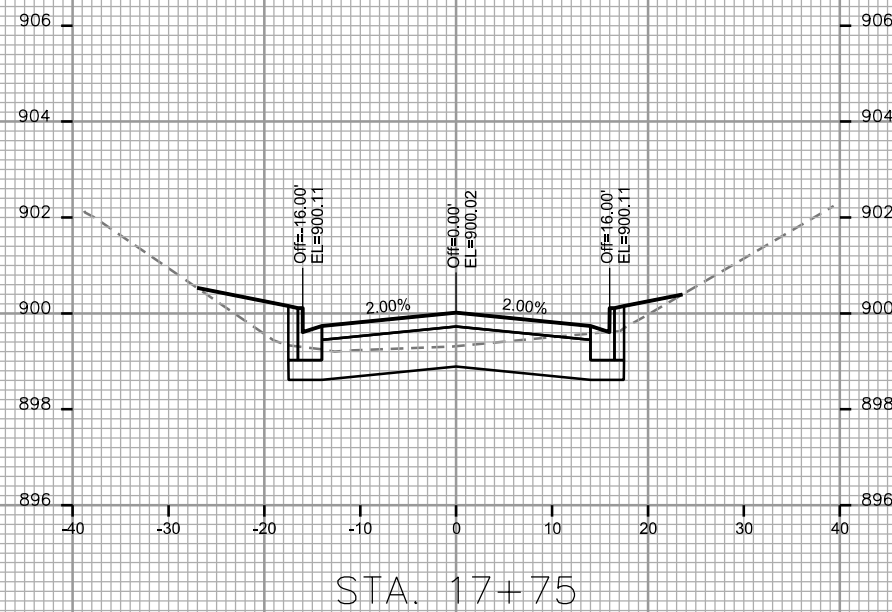
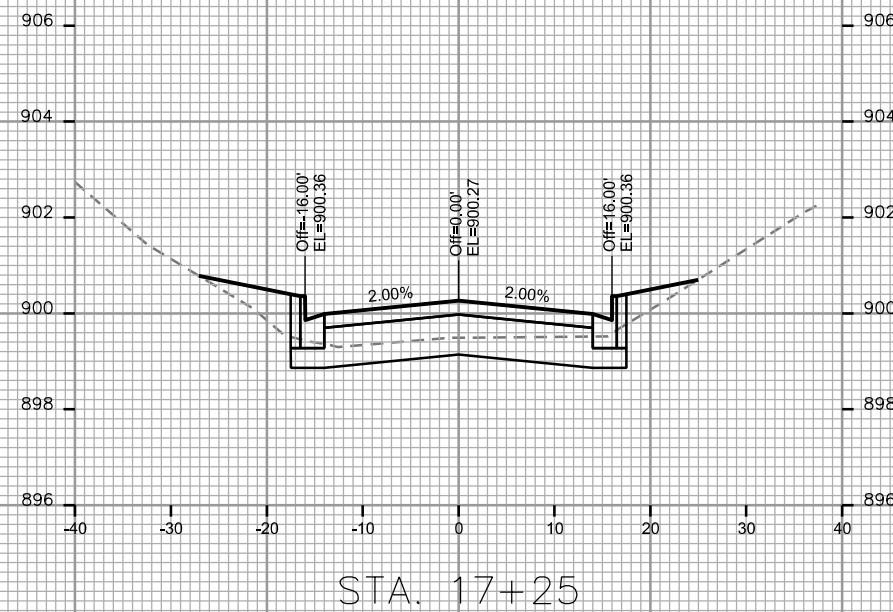
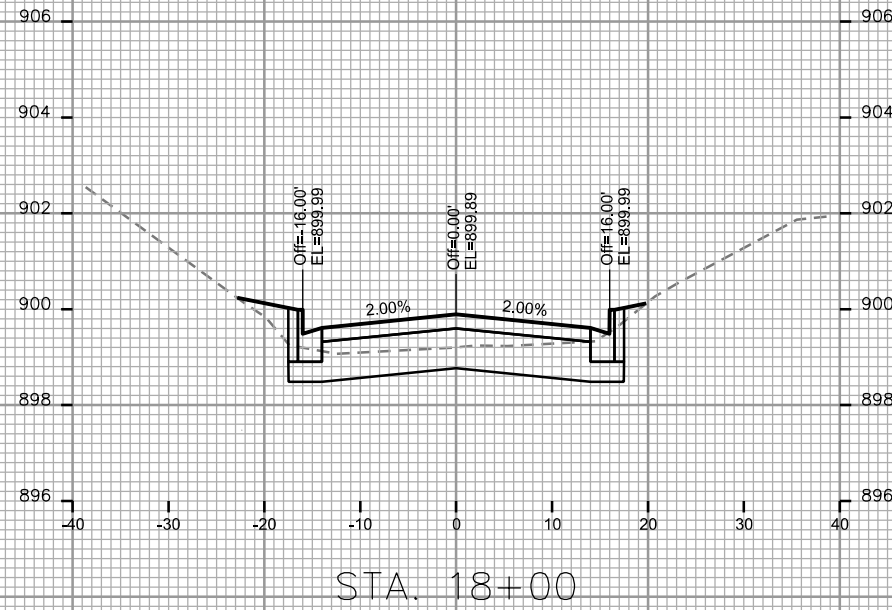
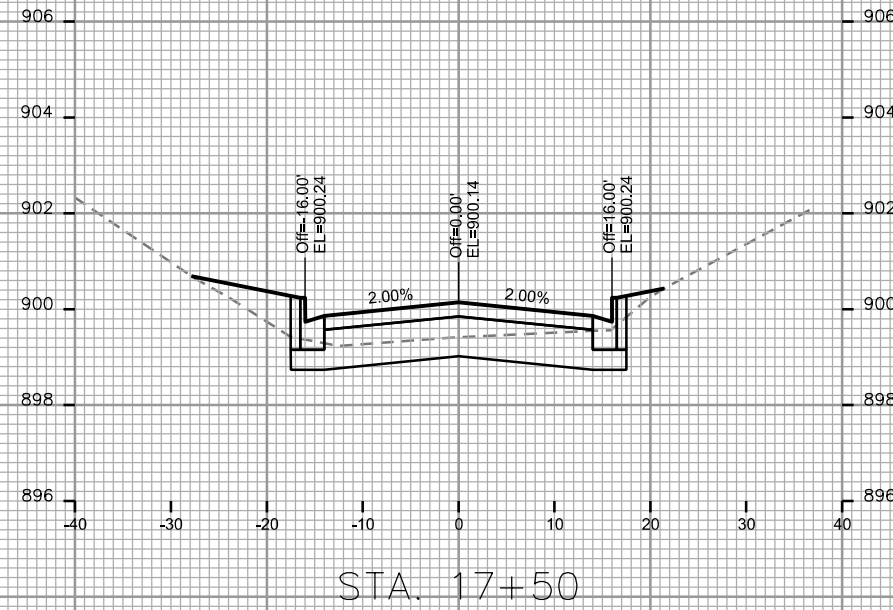
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

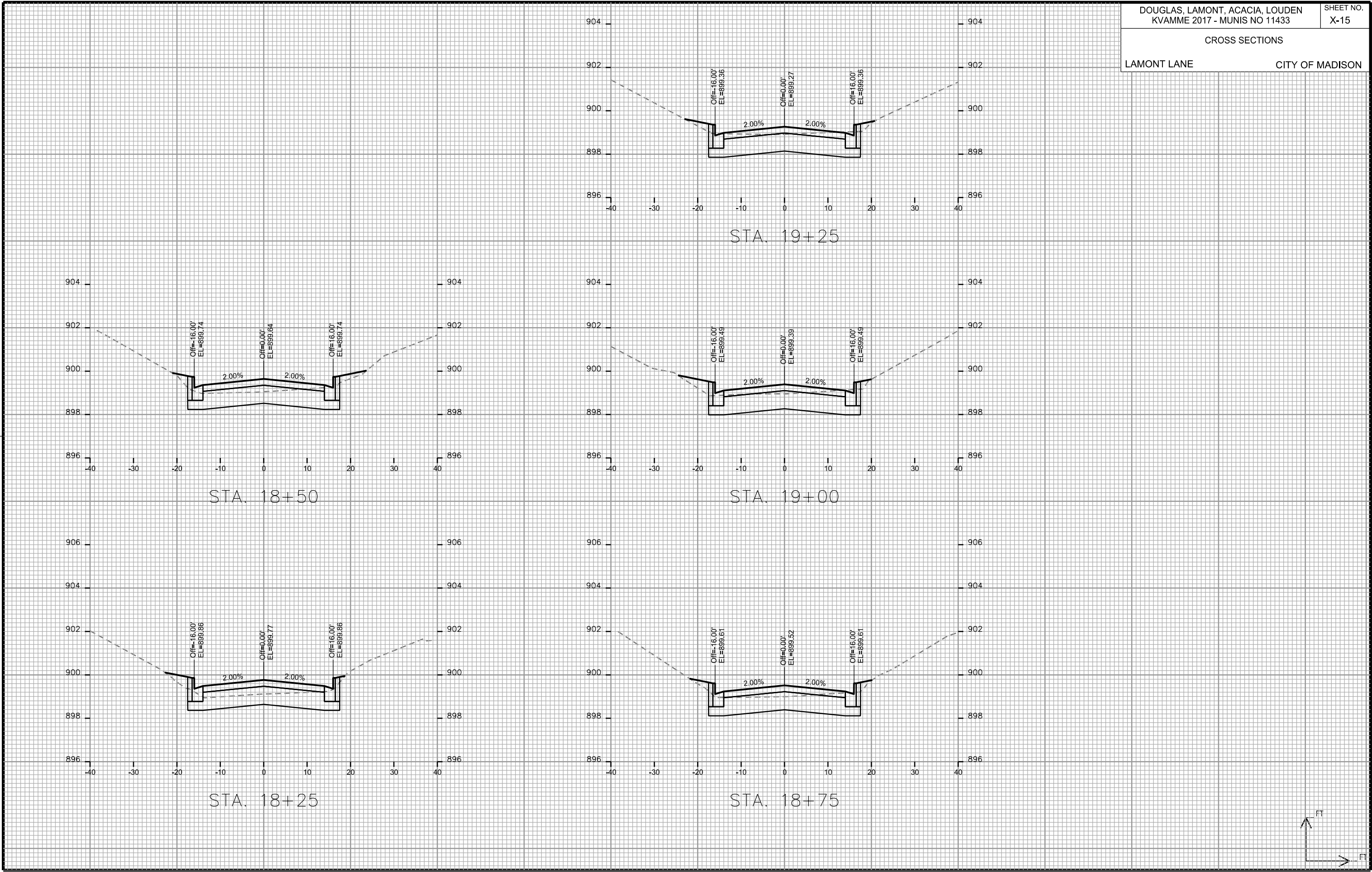


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

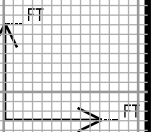
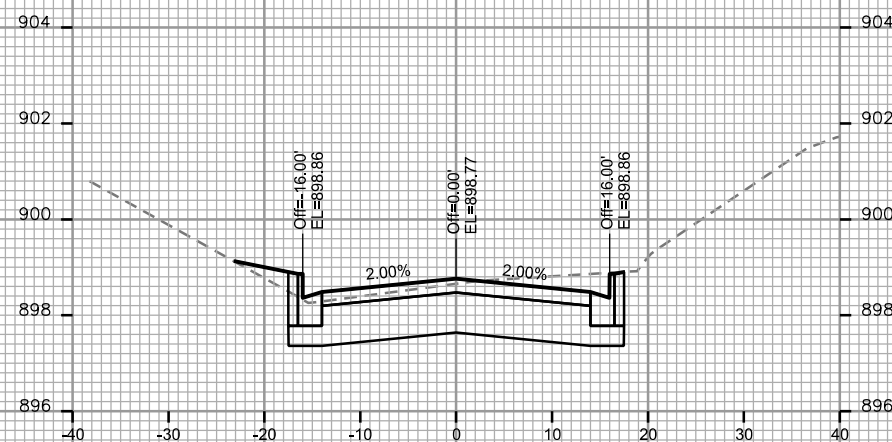
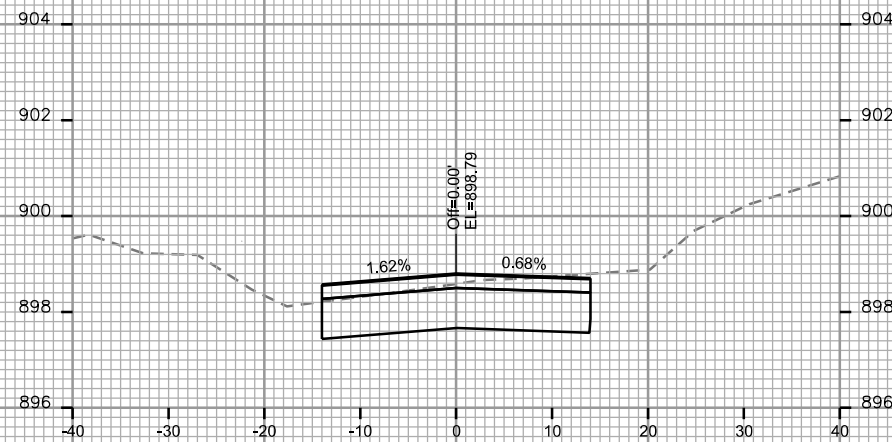
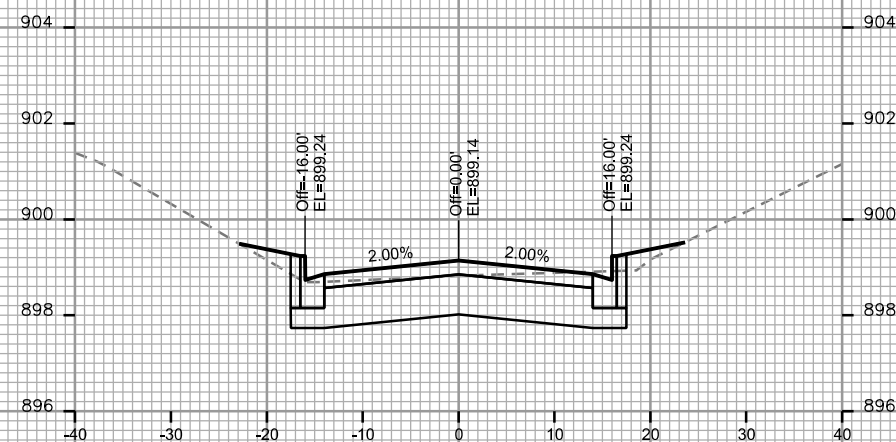
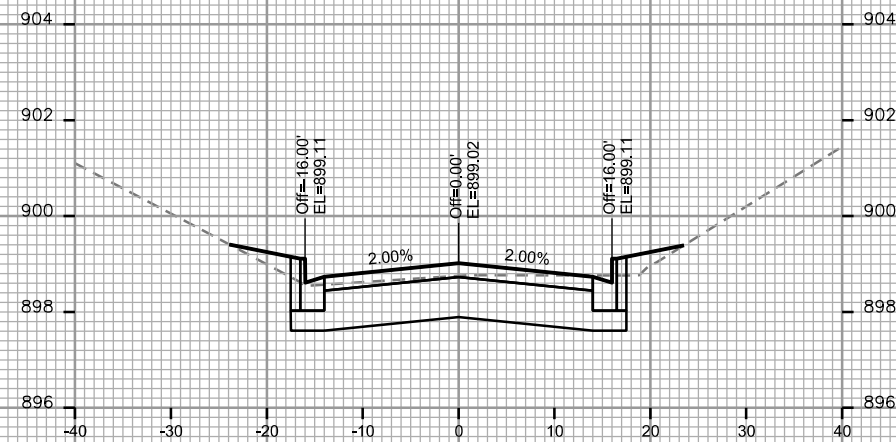
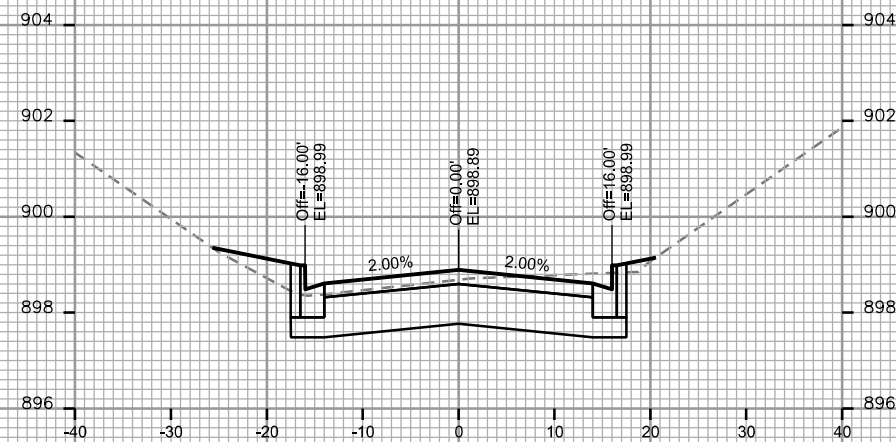
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

LAMONT LANE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

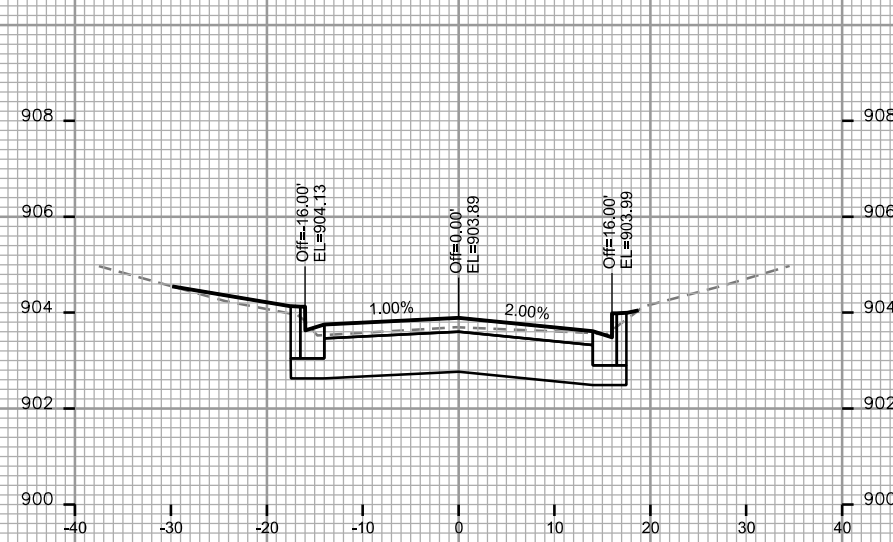
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

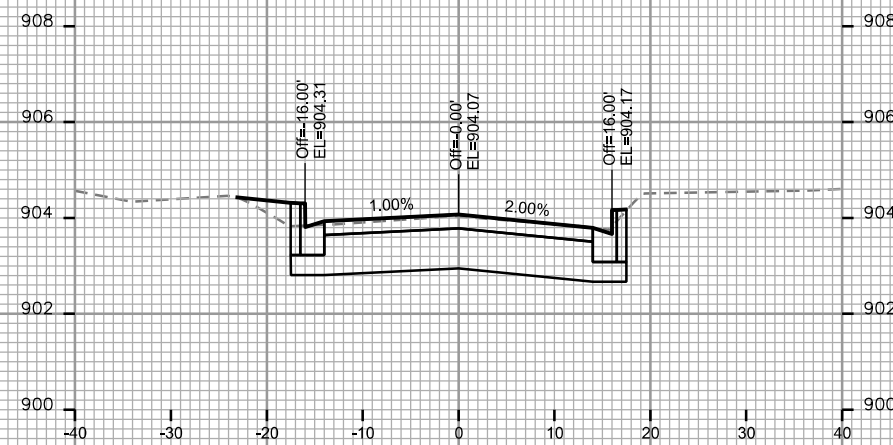
CROSS SECTIONS

ACACIA LANE

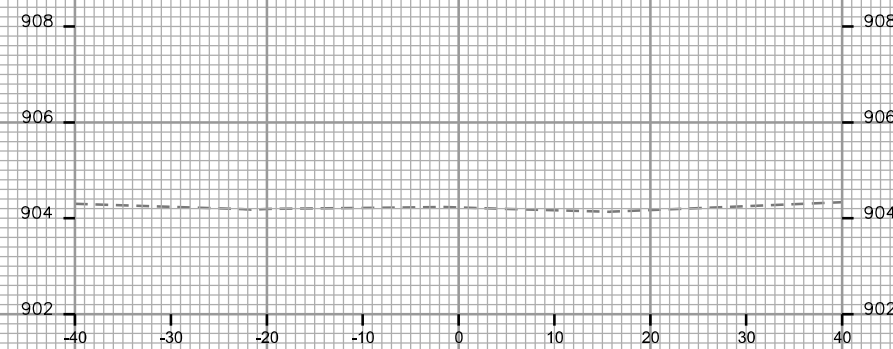
CITY OF MADISON



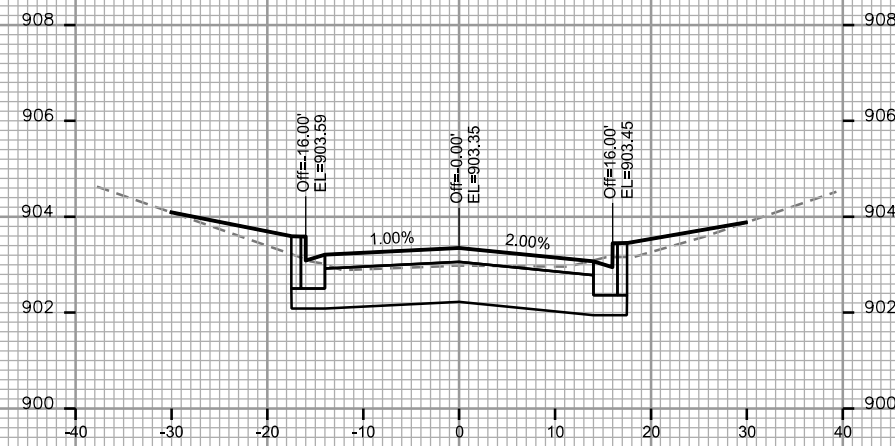
STA. 25+50



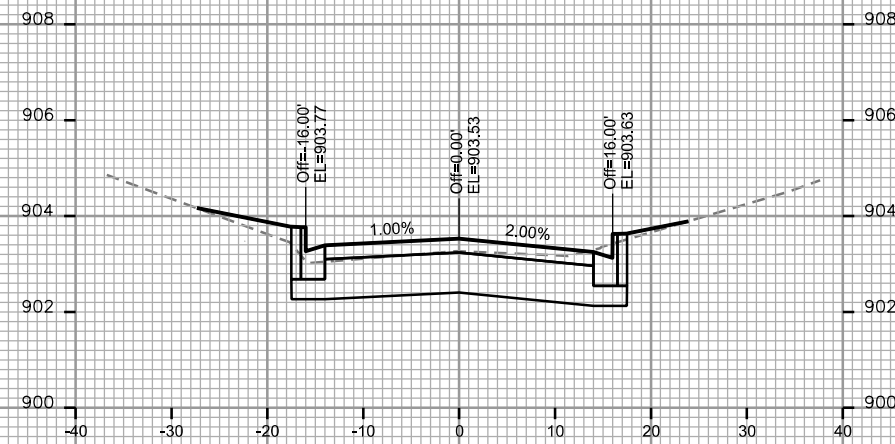
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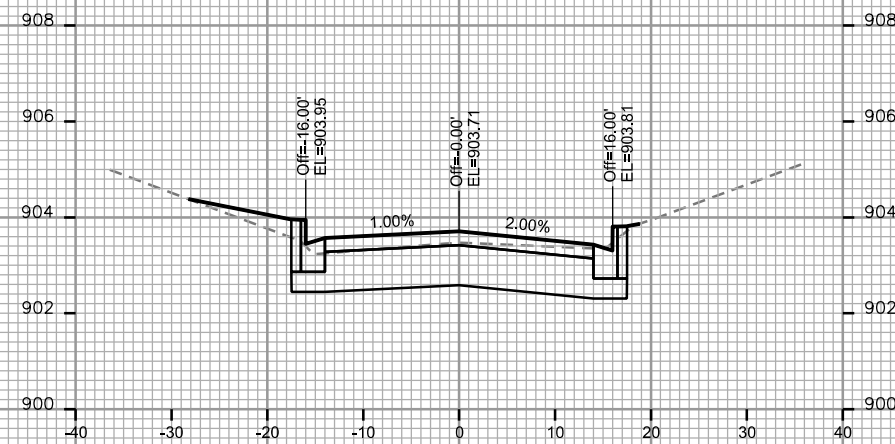
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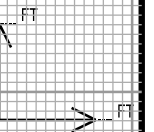
STA. 26+25



STA. 26+00



STA. 25+75



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

ACACIA LANE

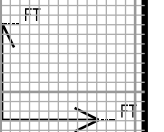
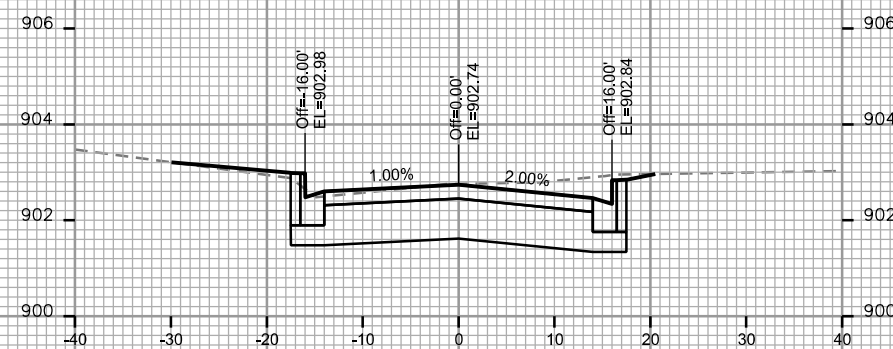
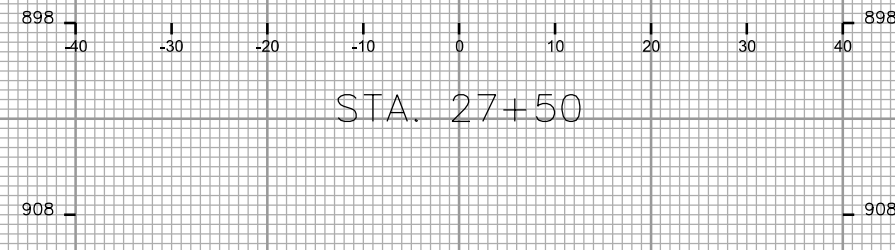
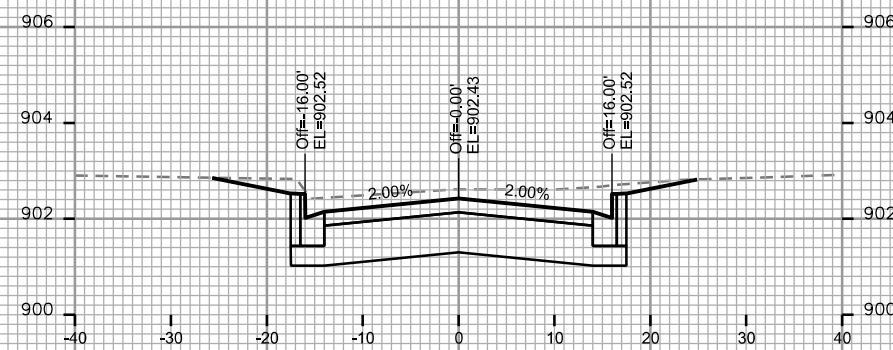
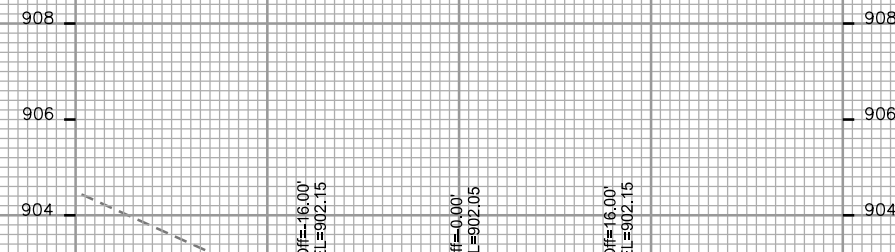
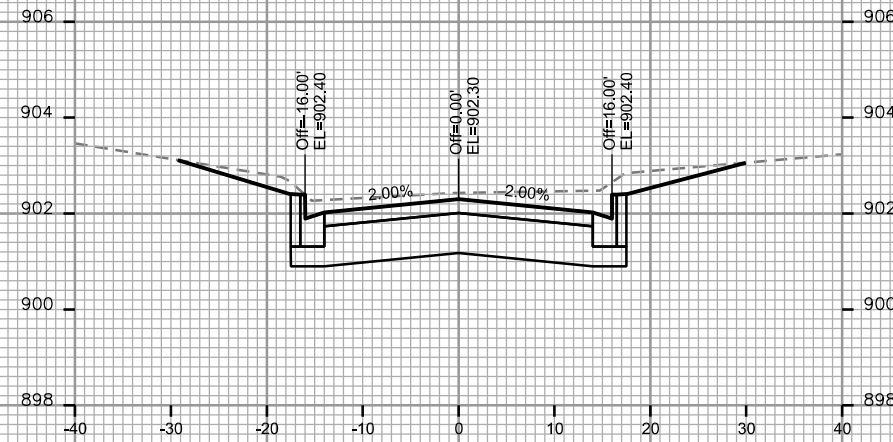
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

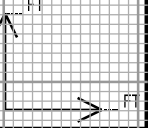
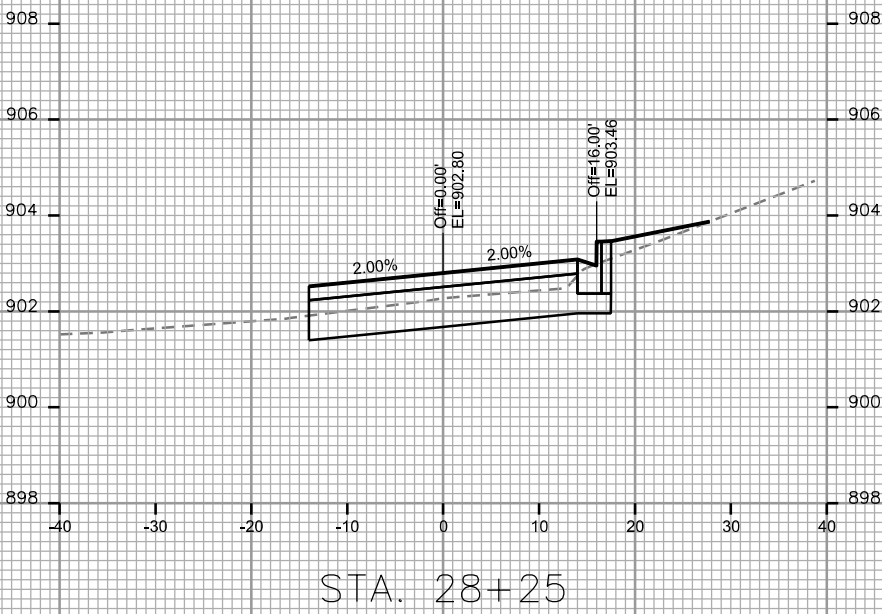
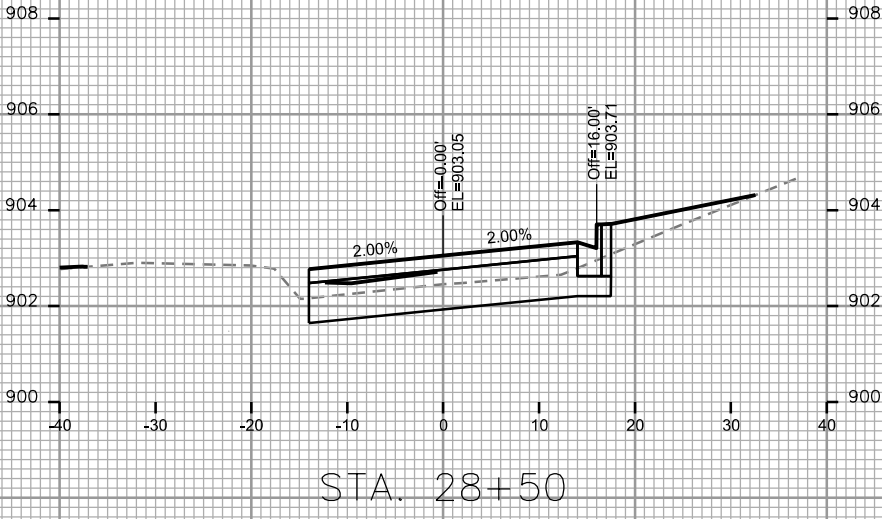
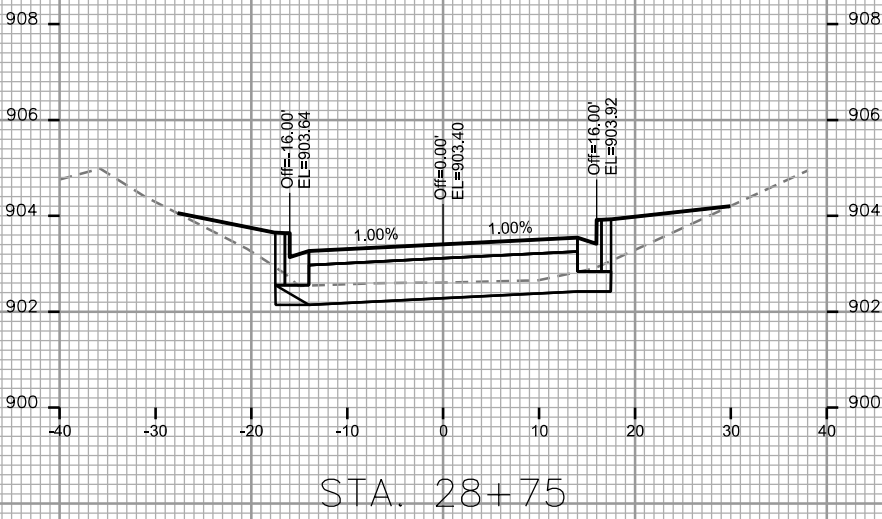
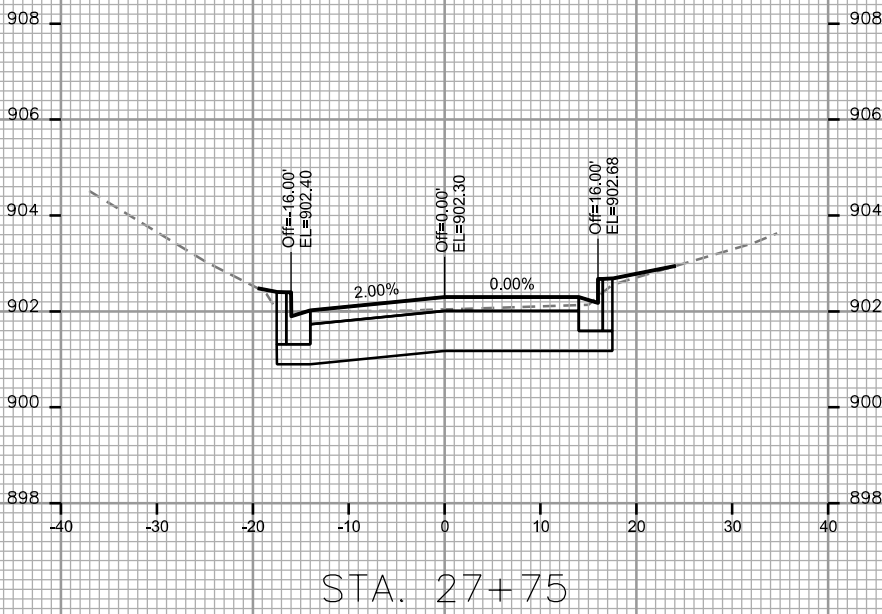
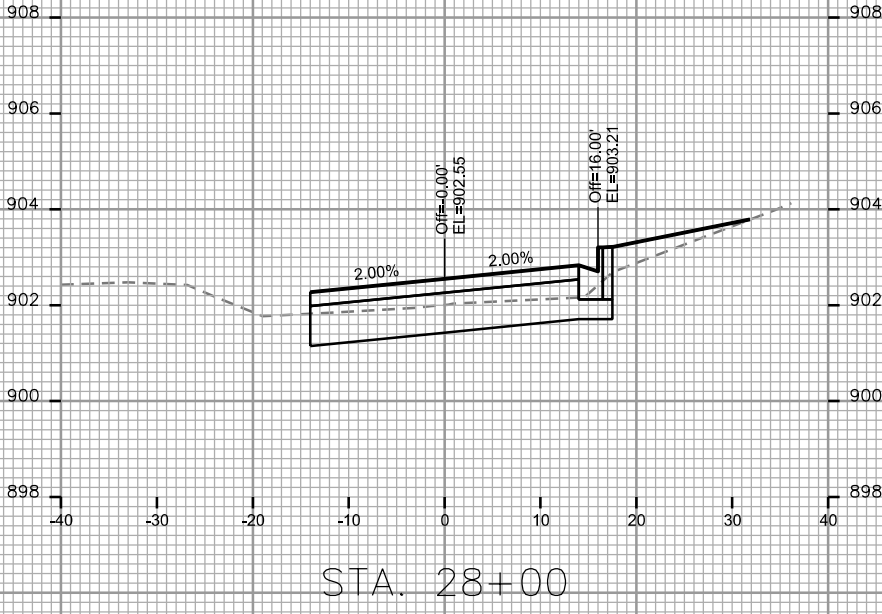
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-19

CROSS SECTIONS

ACACIA LANE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

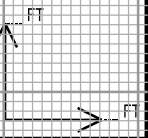
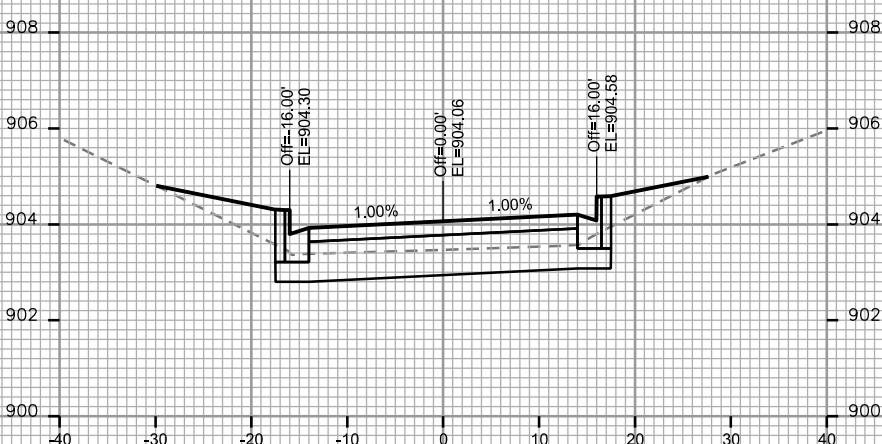
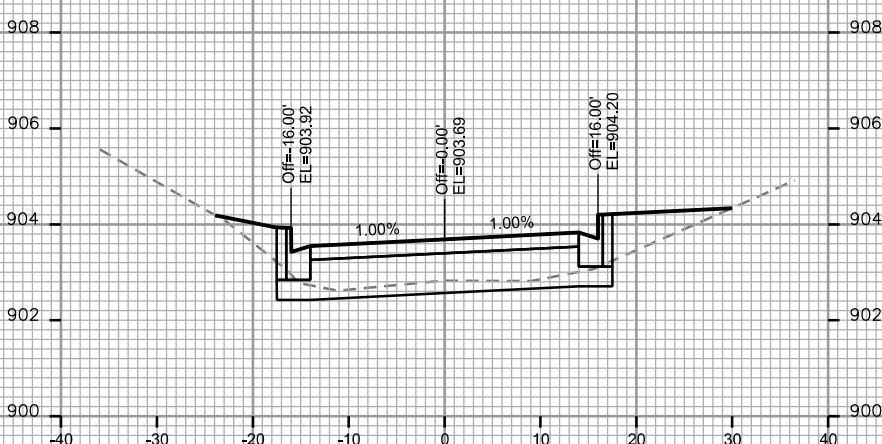
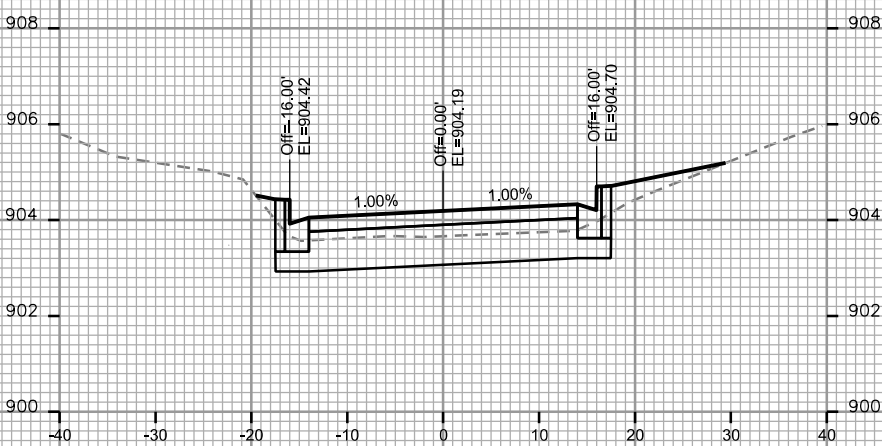
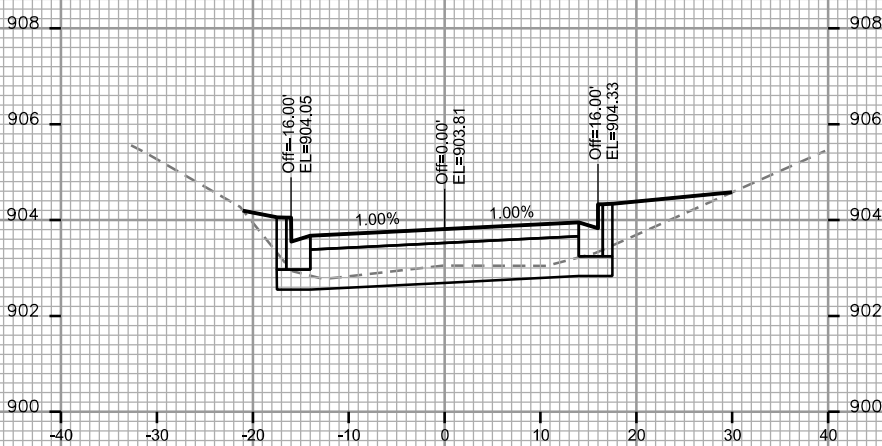
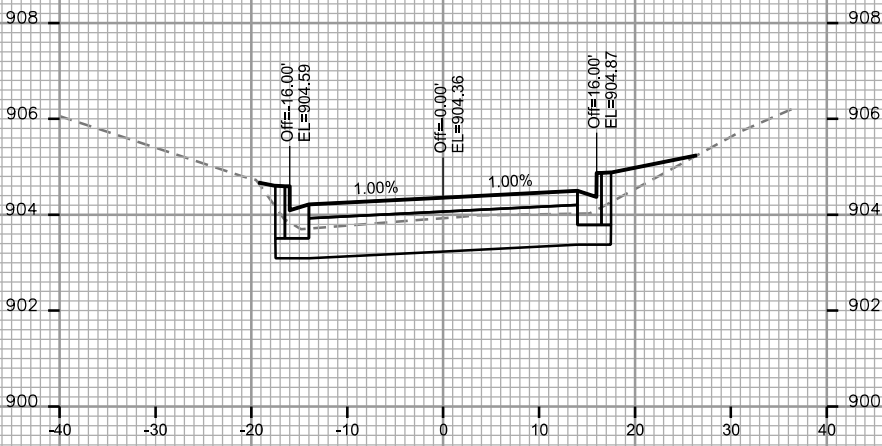
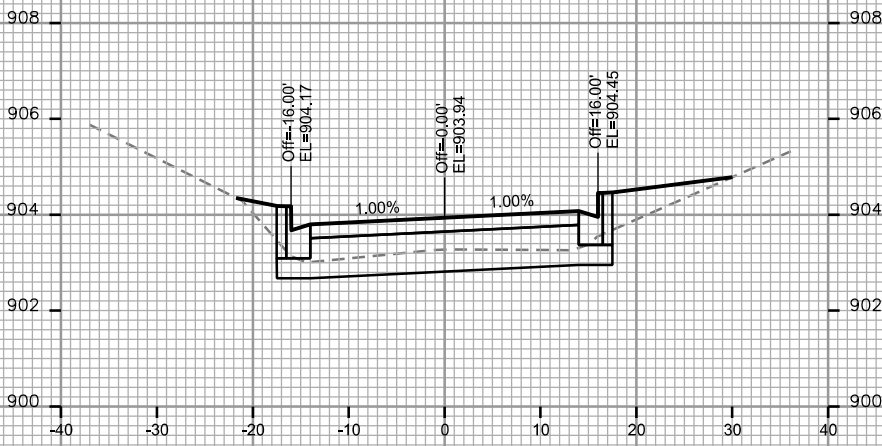
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

ACACIA LANE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

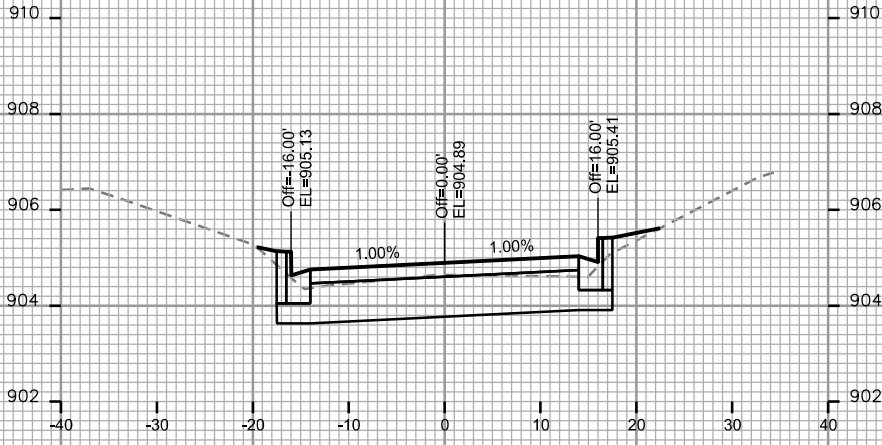
REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

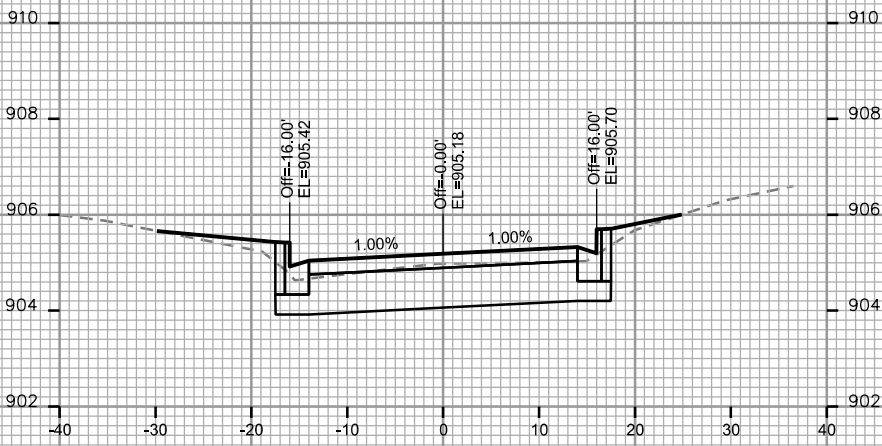
CROSS SECTIONS

ACACIA LANE

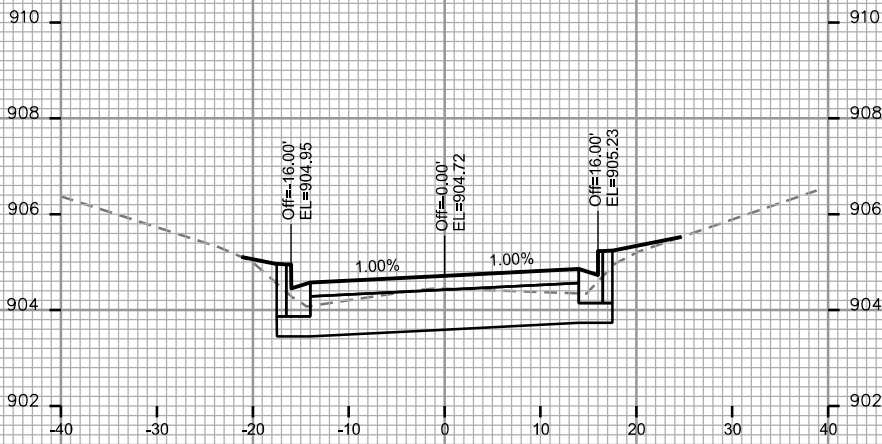
CITY OF MADISON



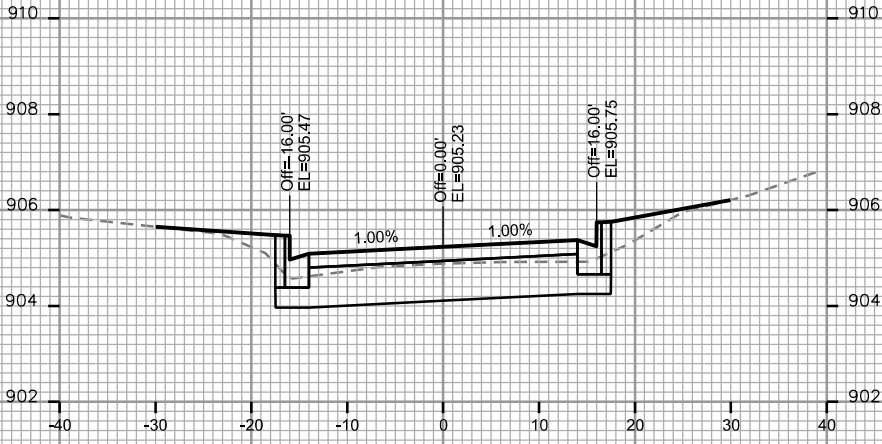
STA. 31+00



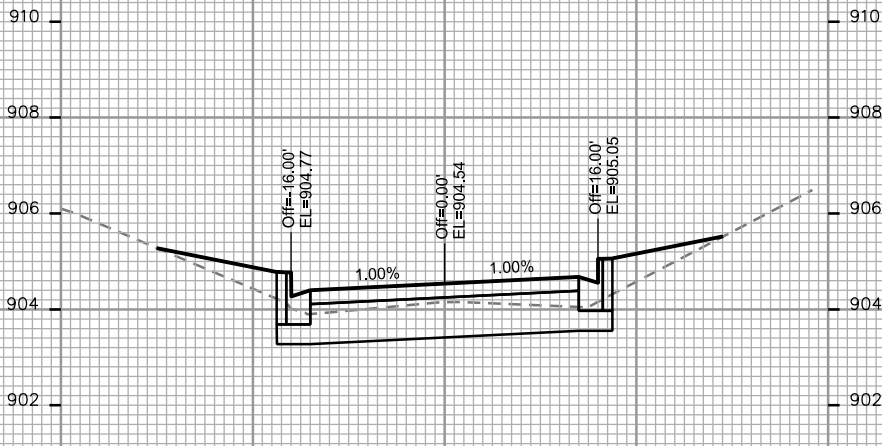
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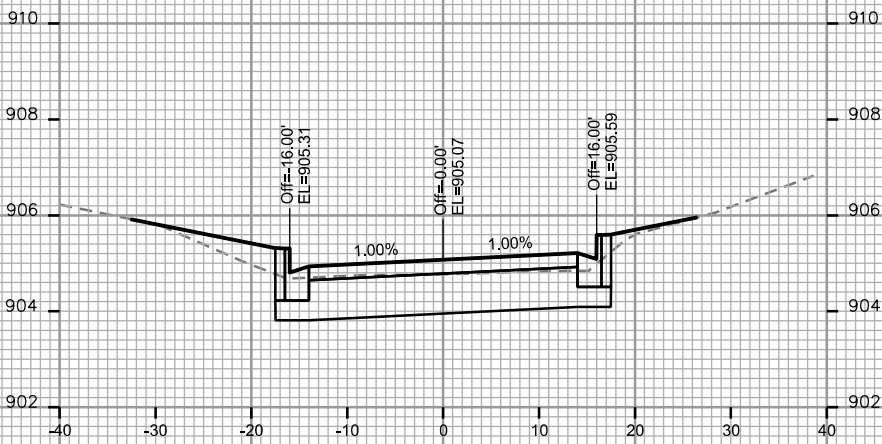
STA. 30+75



STA. 31+50



STA. 30+50



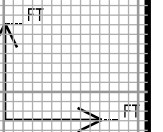
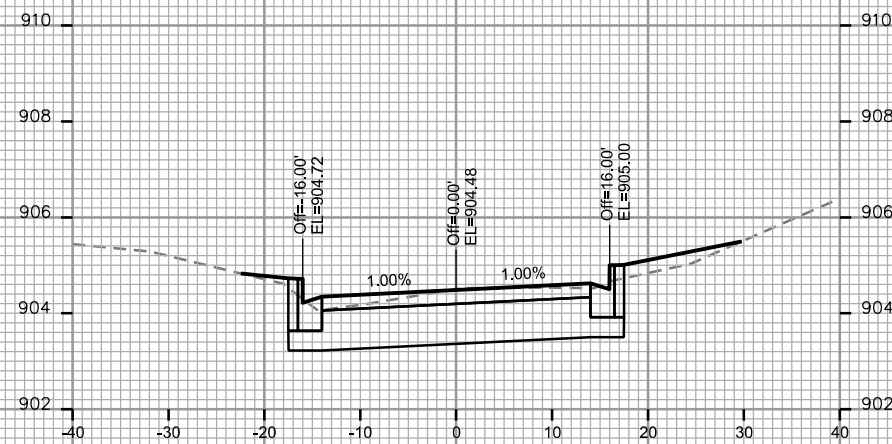
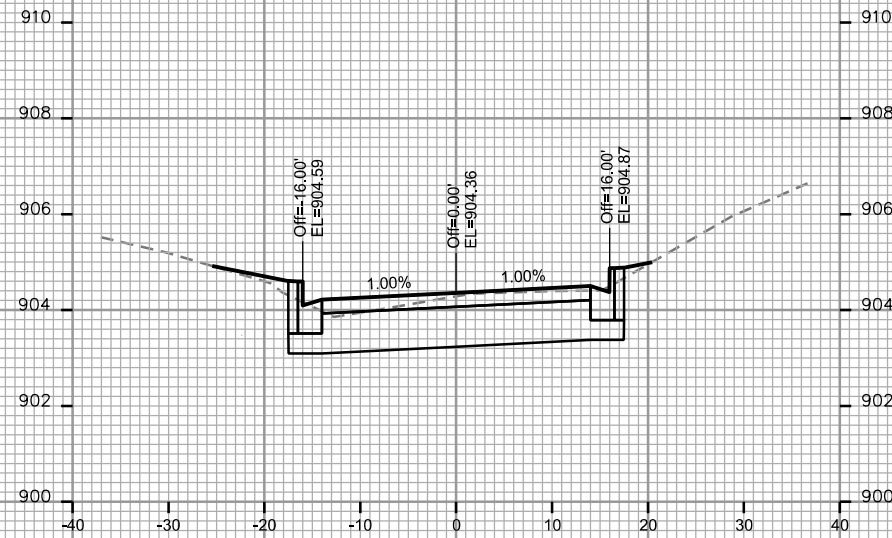
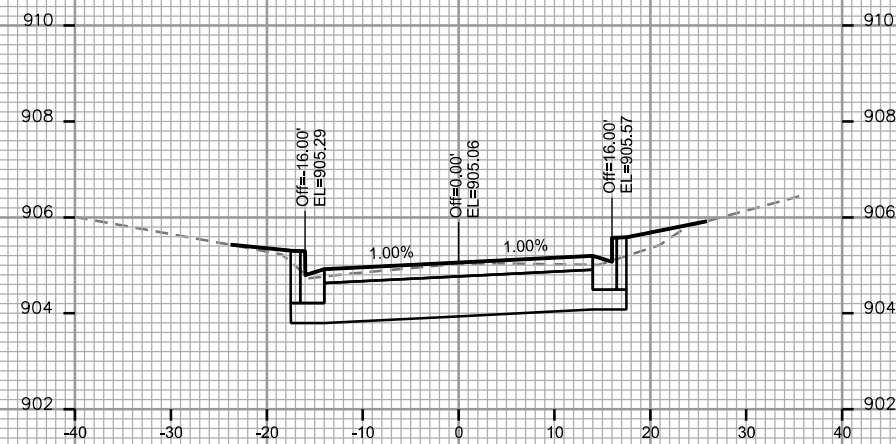
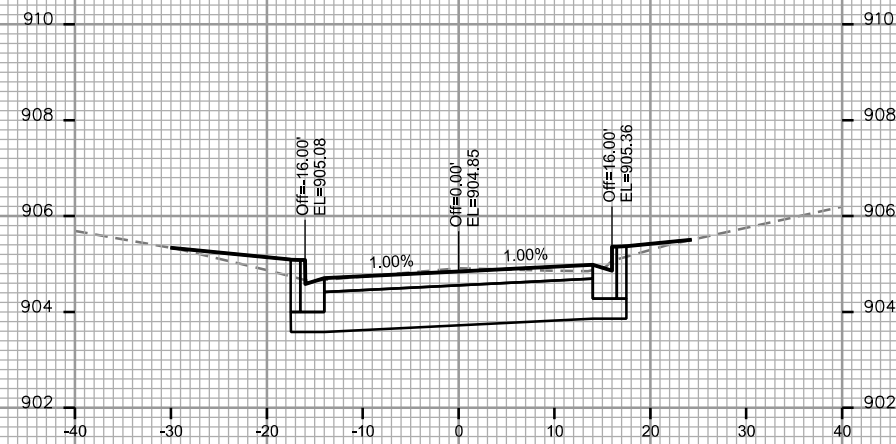
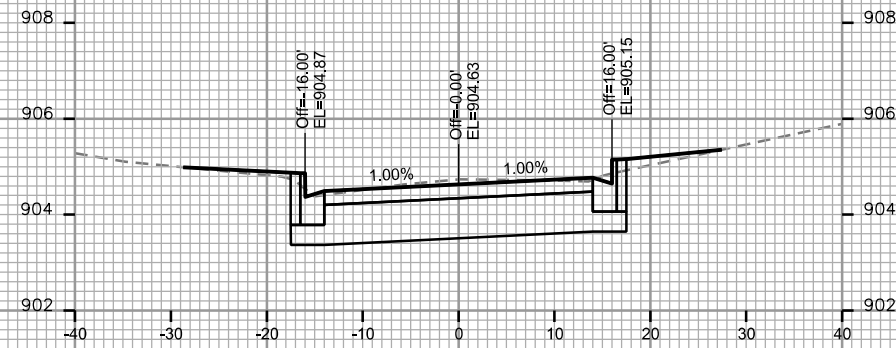
STA. 31+25



CROSS SECTIONS

ACACIA LANE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

ACACIA LANE

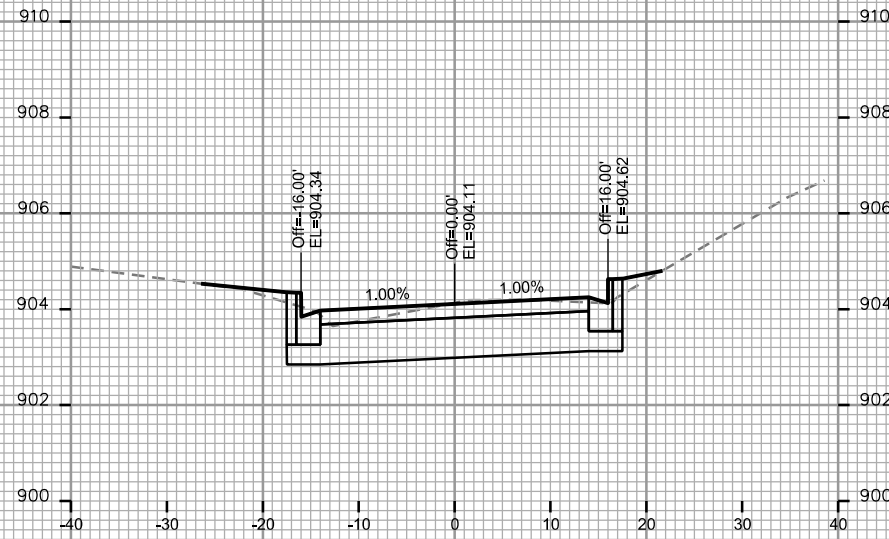
CITY OF MADISON

PLOT SCALE: _____

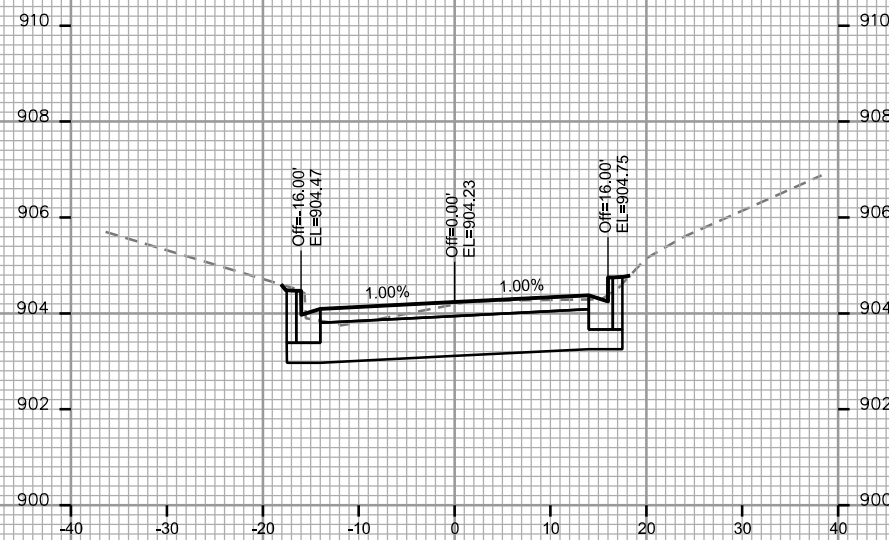
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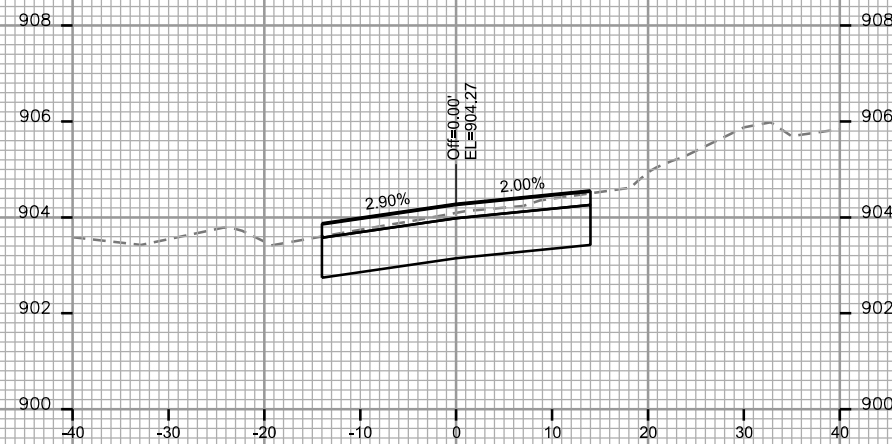
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



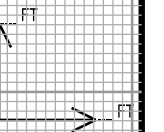
STA. 33+50



STA. 33+25



STA. 33+75



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

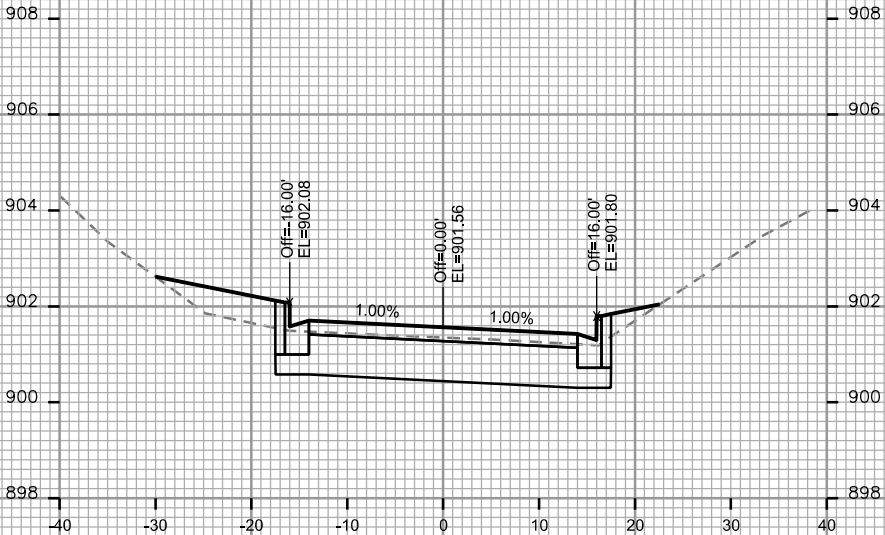
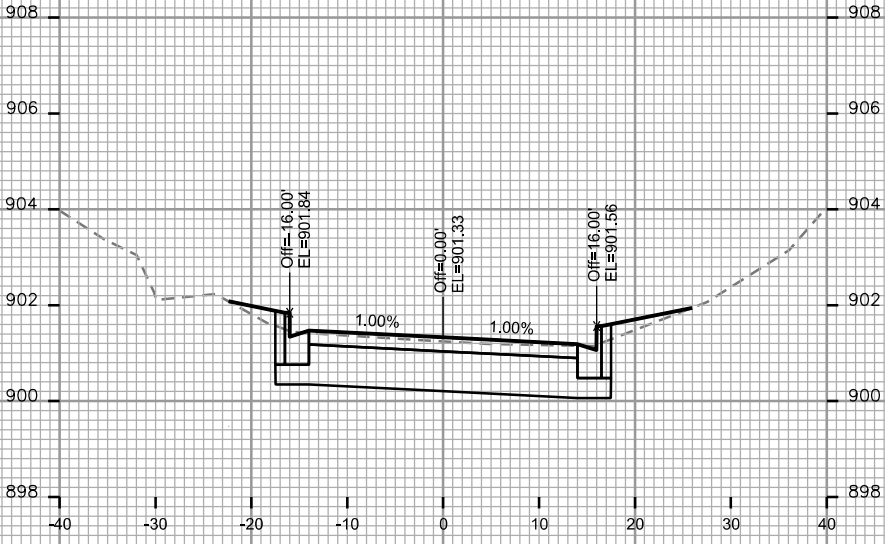
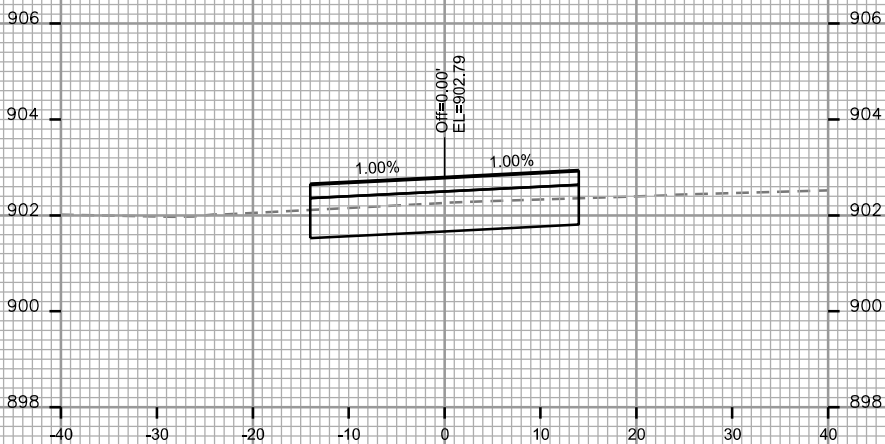
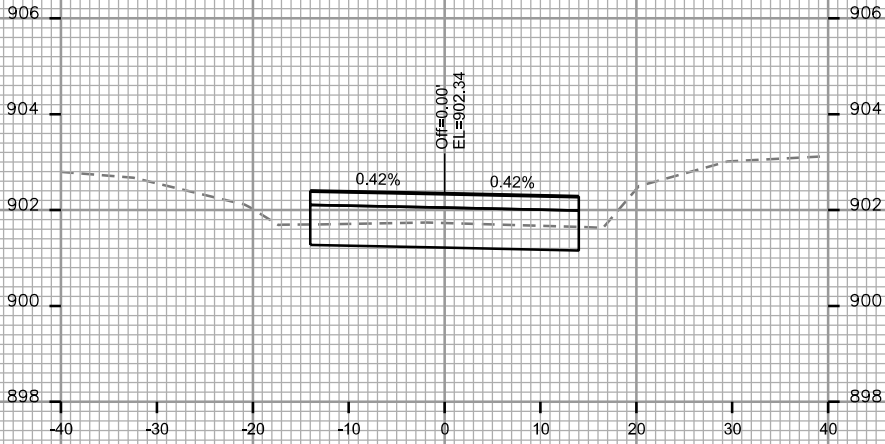
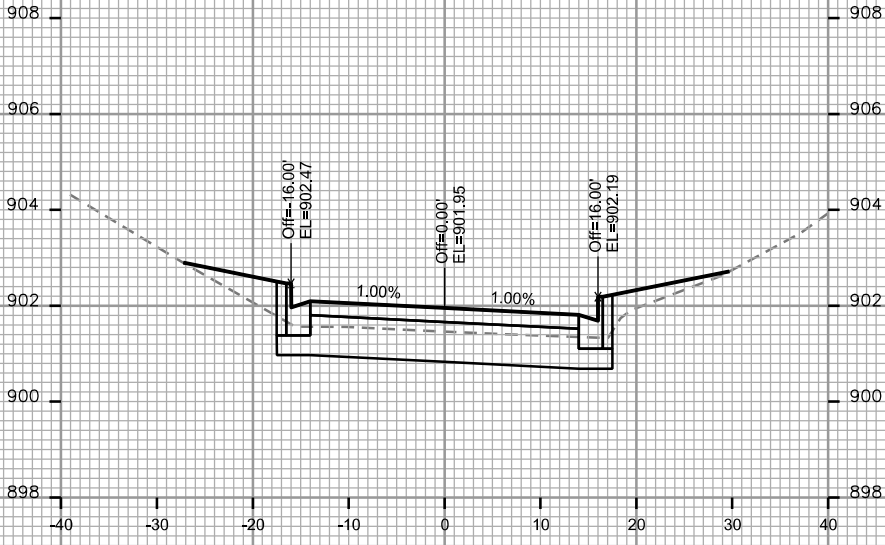
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-24

CROSS SECTIONS

LOUDEN LANE

CITY OF MADISON



CROSS SECTIONS

LOUDEN LANE

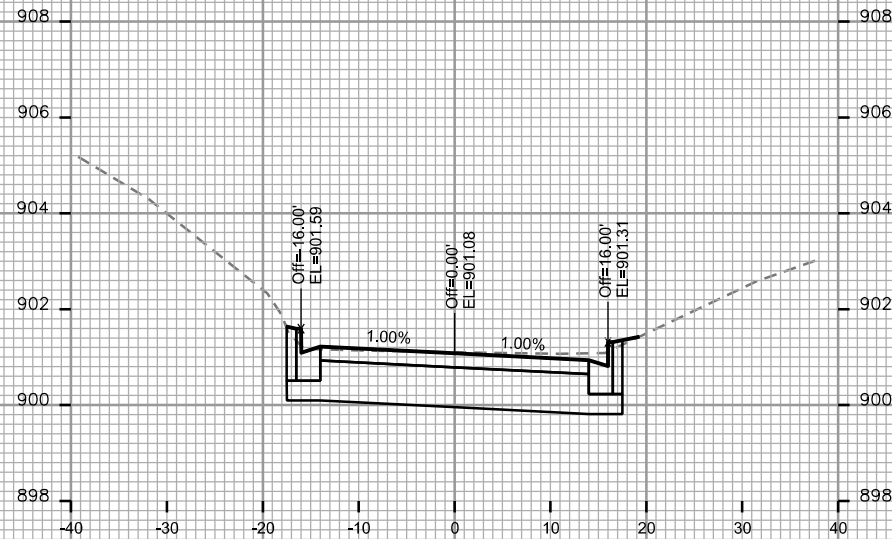
CITY OF MADISON

PLOT SCALE: _____

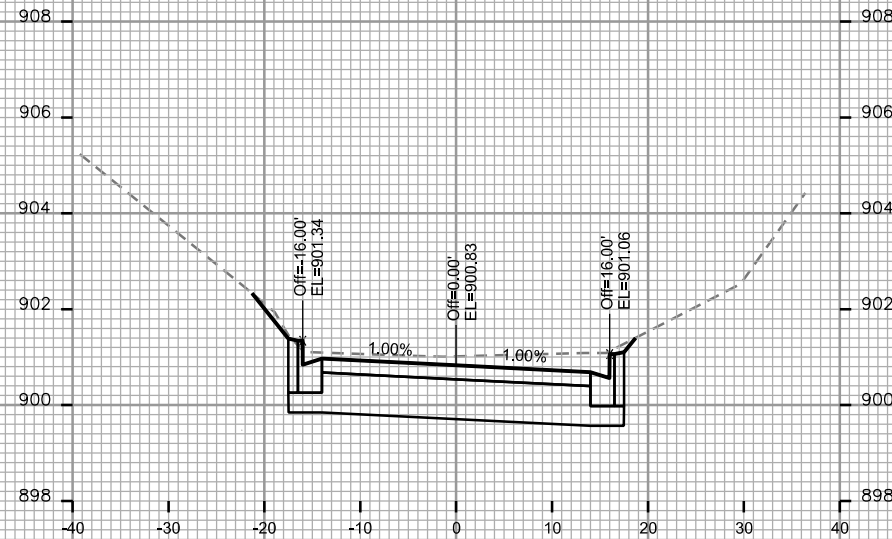
PLOT NAME: _____

REV. DATE: _____

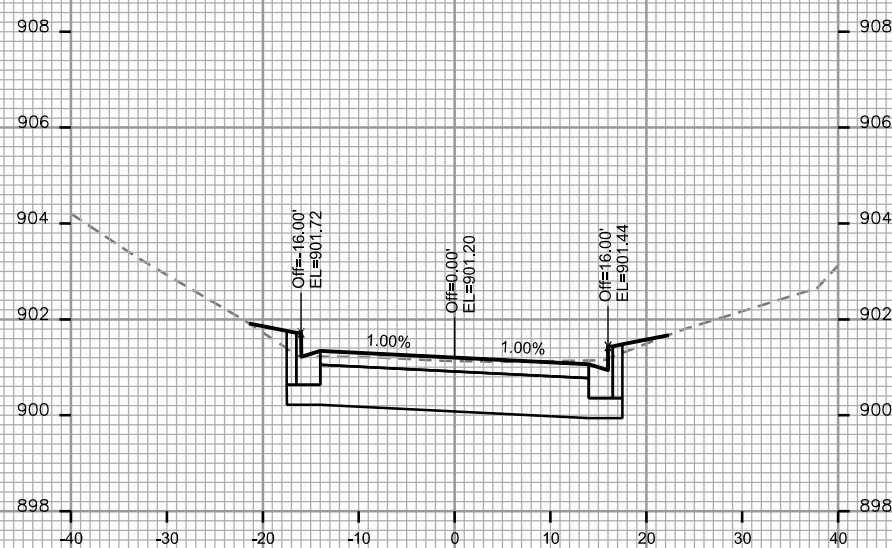
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



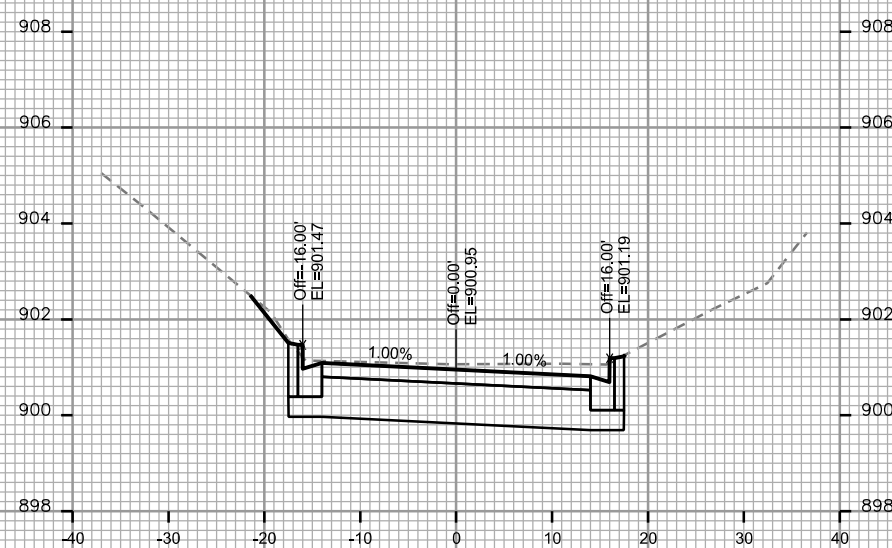
STA. 36+50



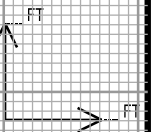
STA. 37+00



STA. 36+25



STA. 36+75



CROSS SECTIONS

LOUDEN LANE

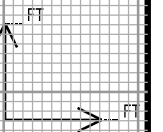
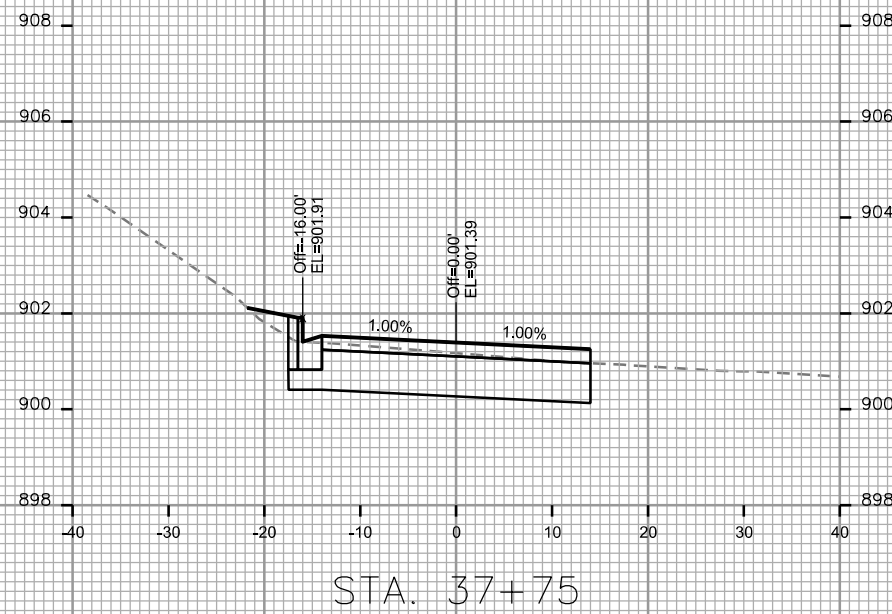
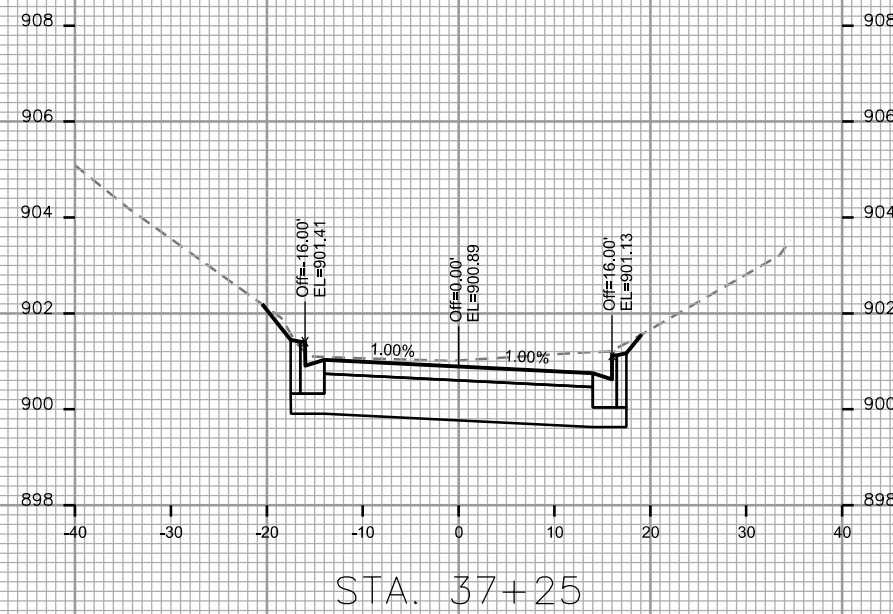
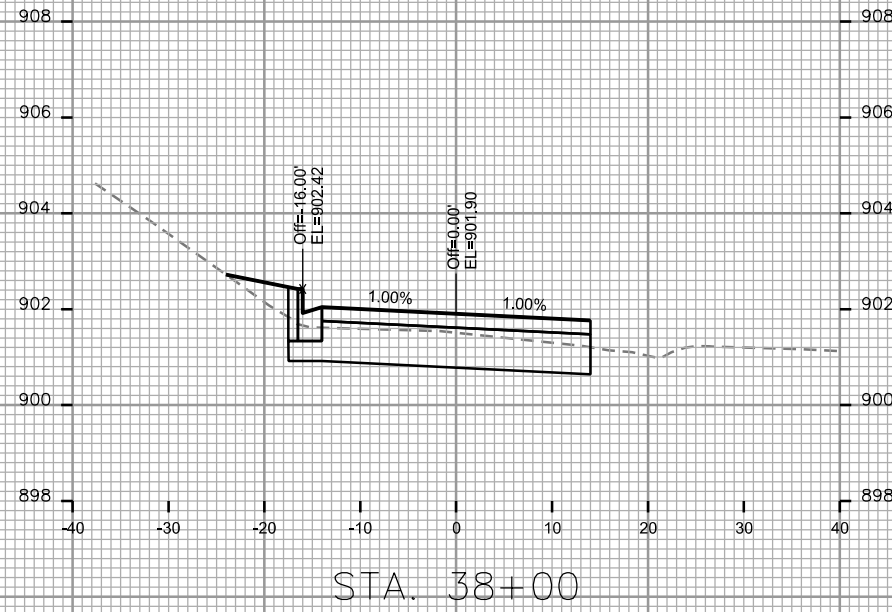
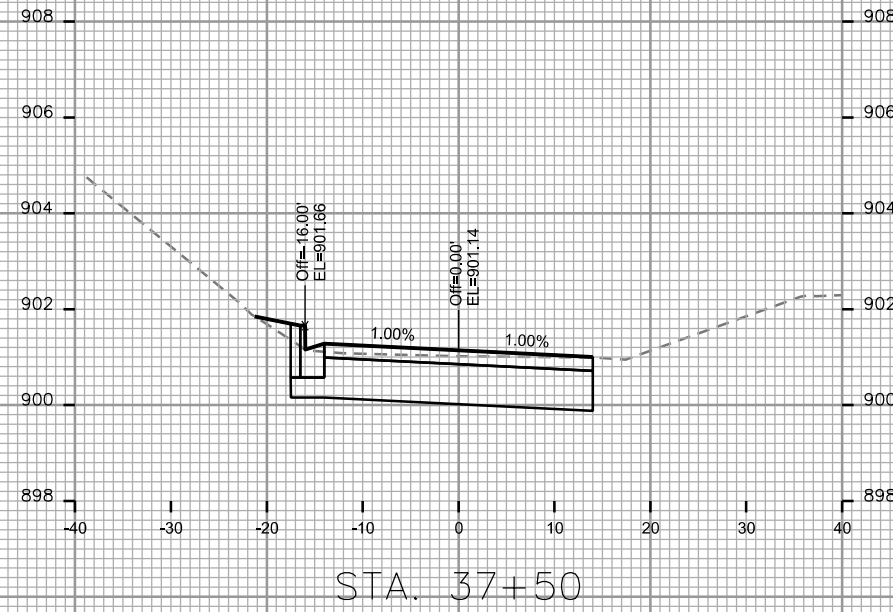
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

LOUDEN LANE

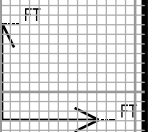
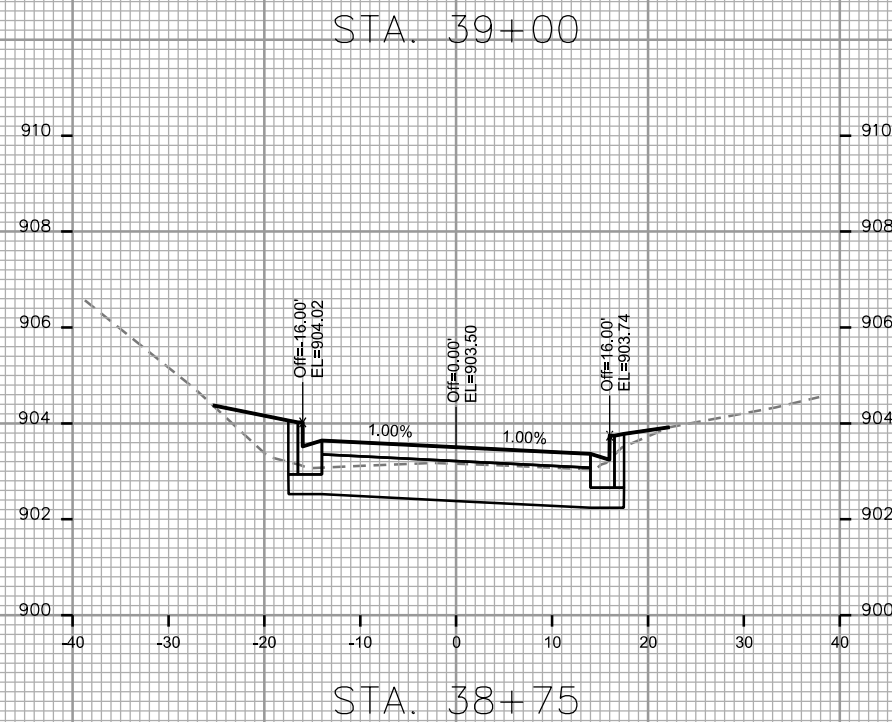
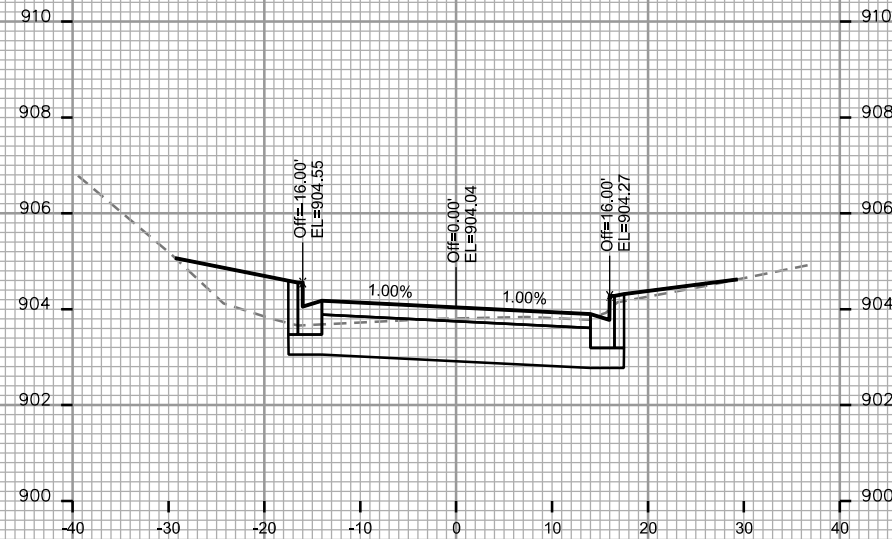
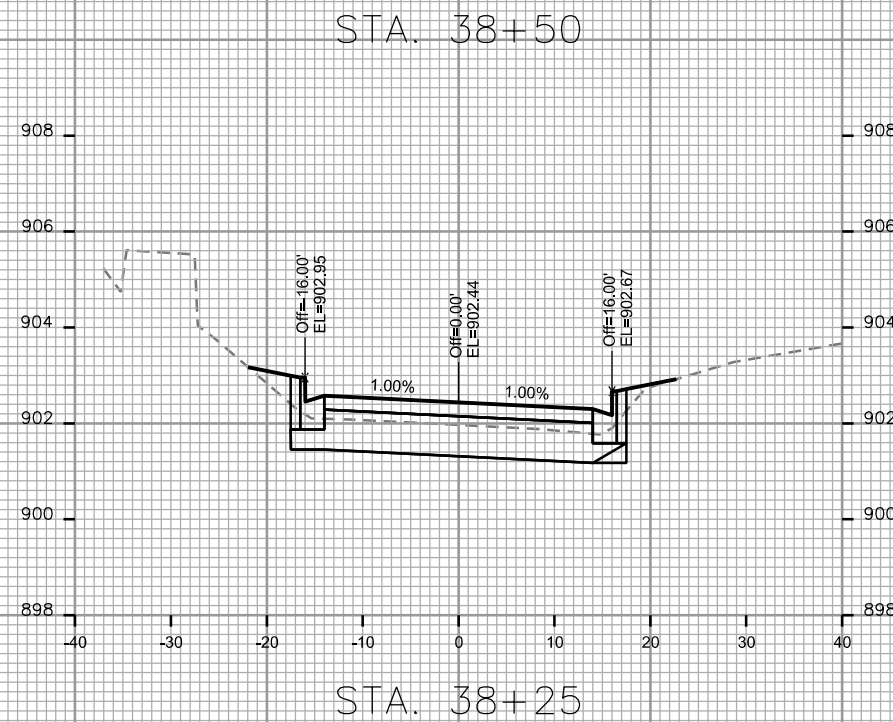
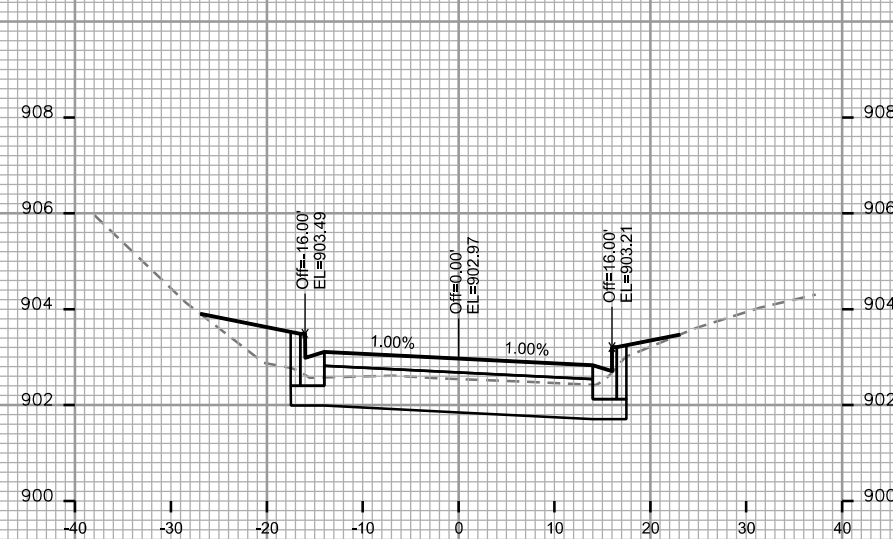
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

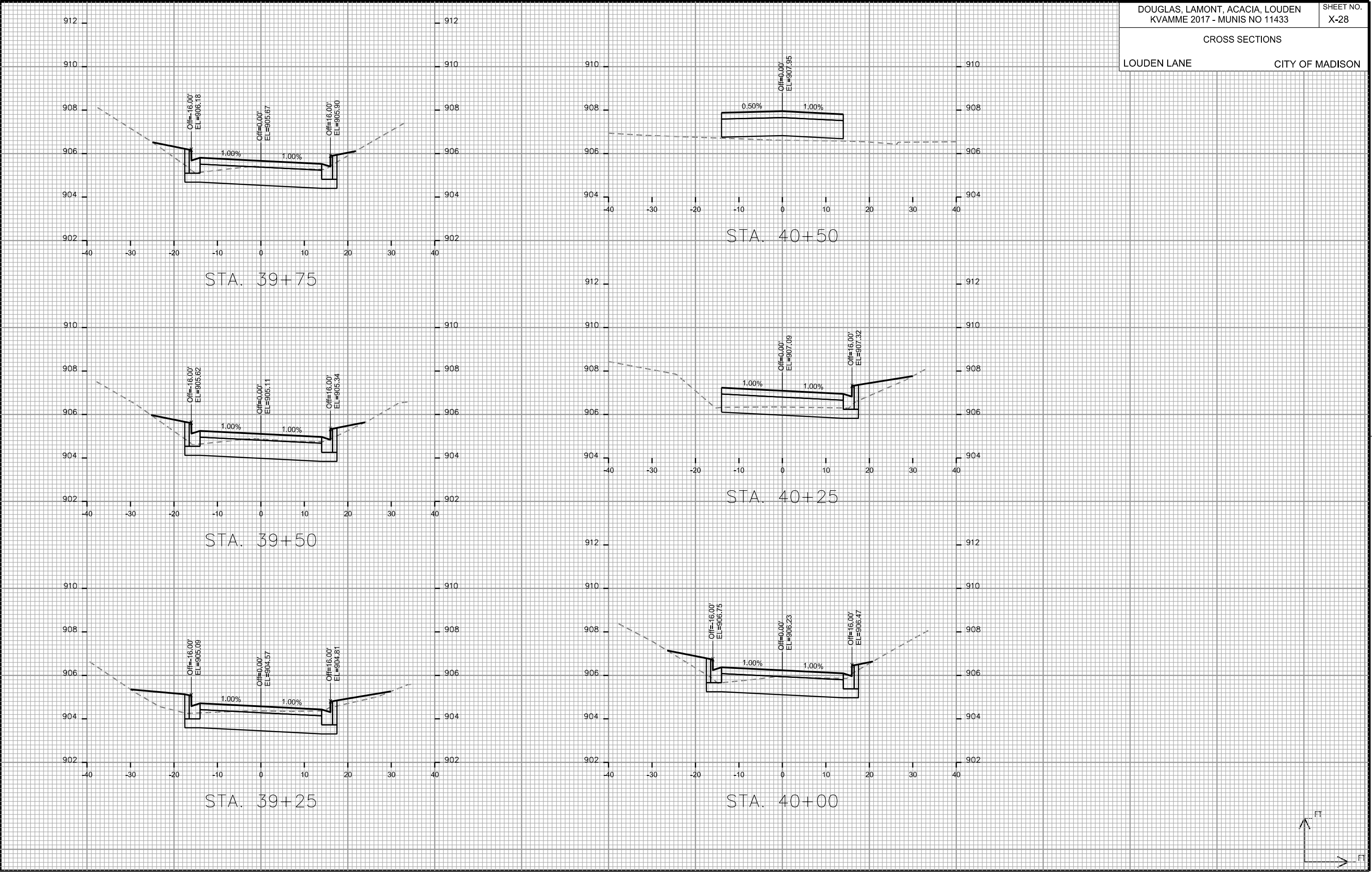


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PLOT NAME: _____

REV. DATE: _____

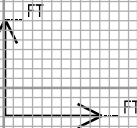
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

LOUDEN LANE

CITY OF MADISON



CROSS SECTIONS

KVAMME LANE

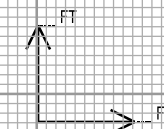
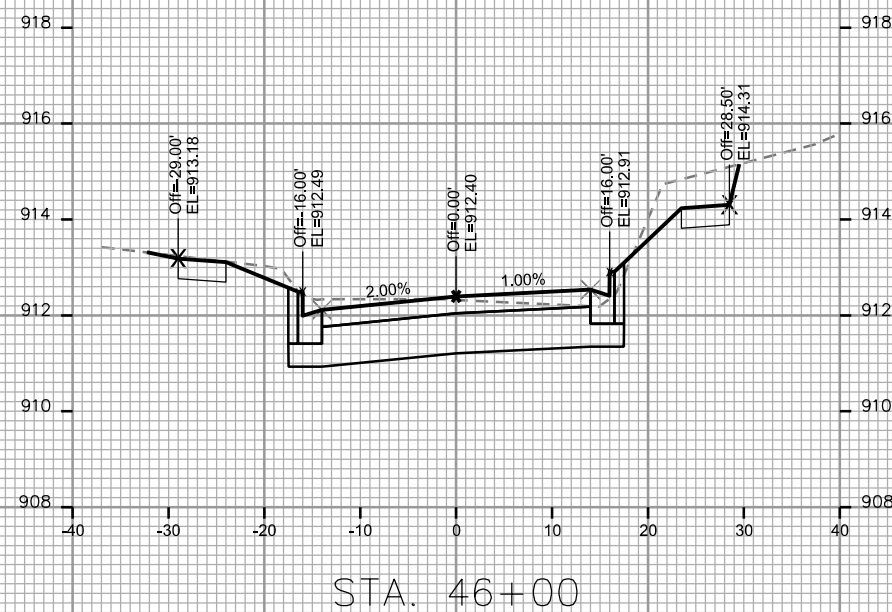
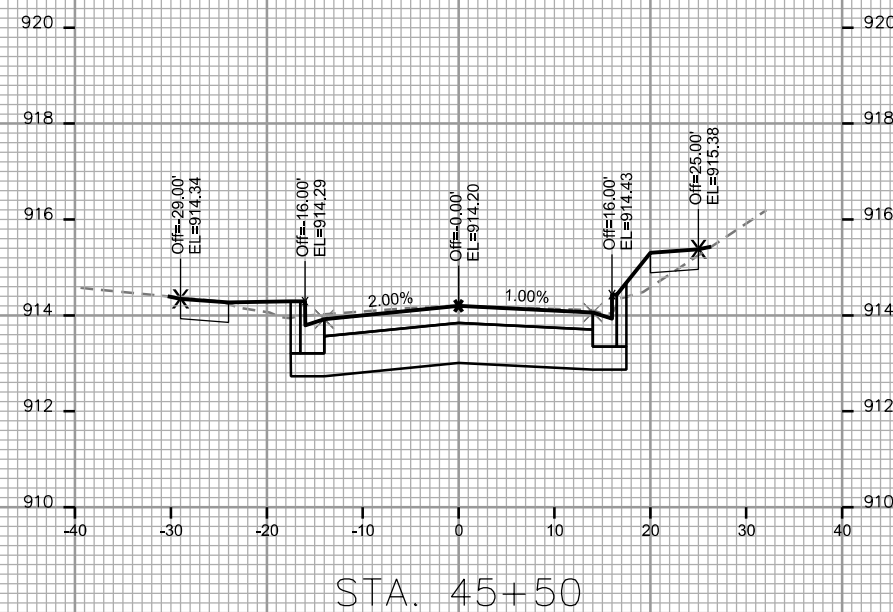
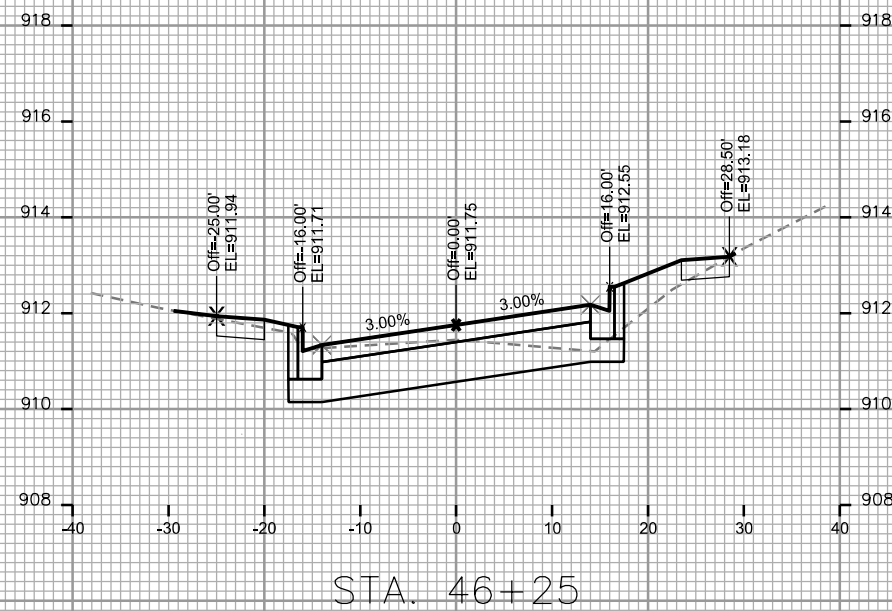
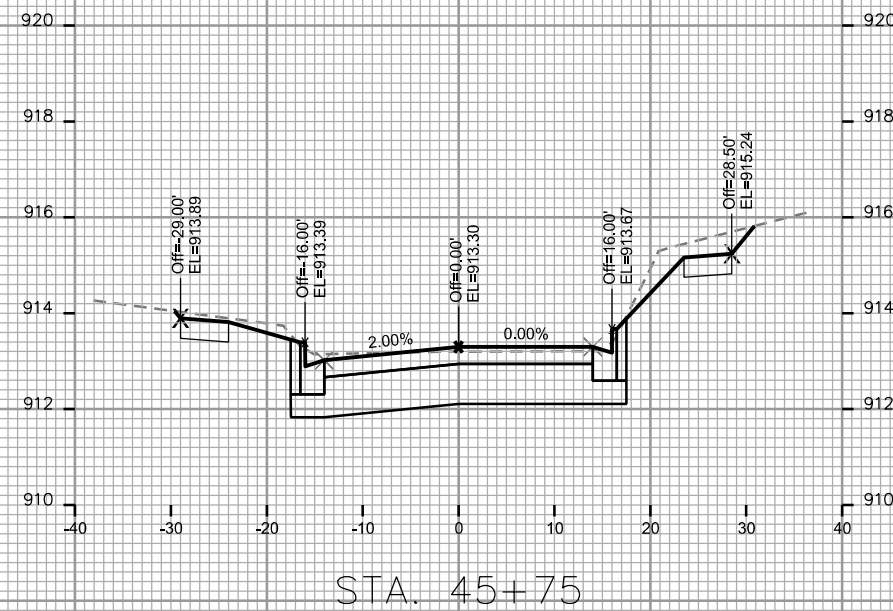
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

KVAMME LANE

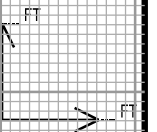
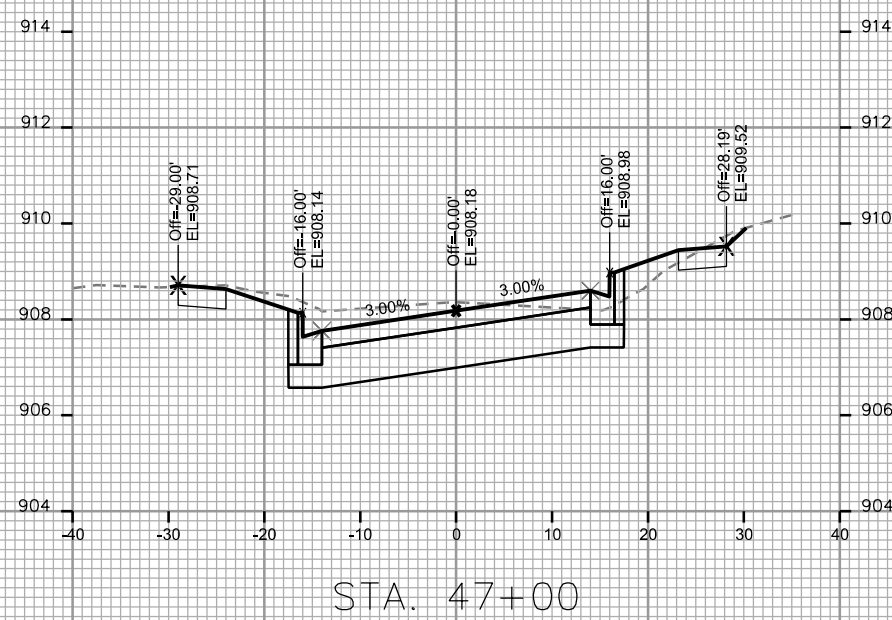
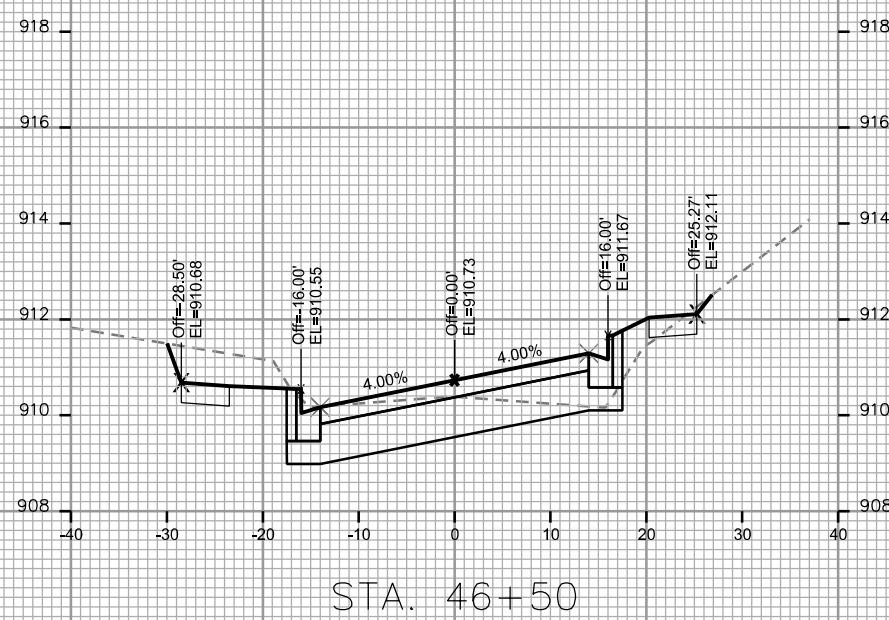
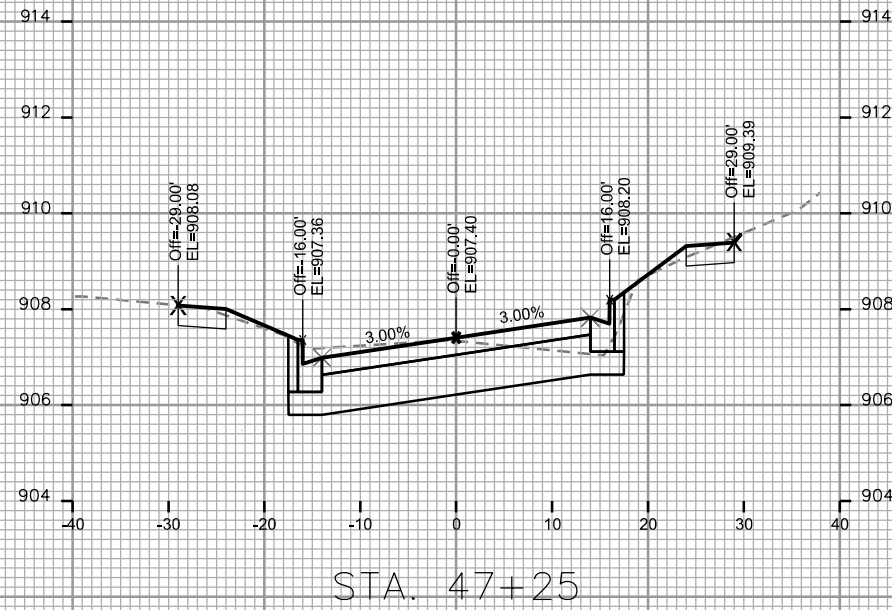
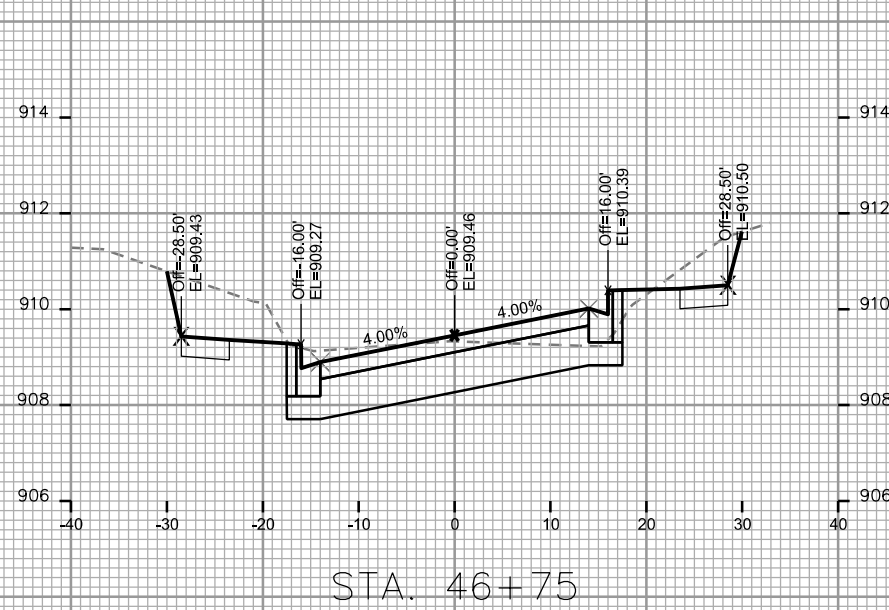
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

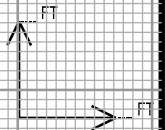
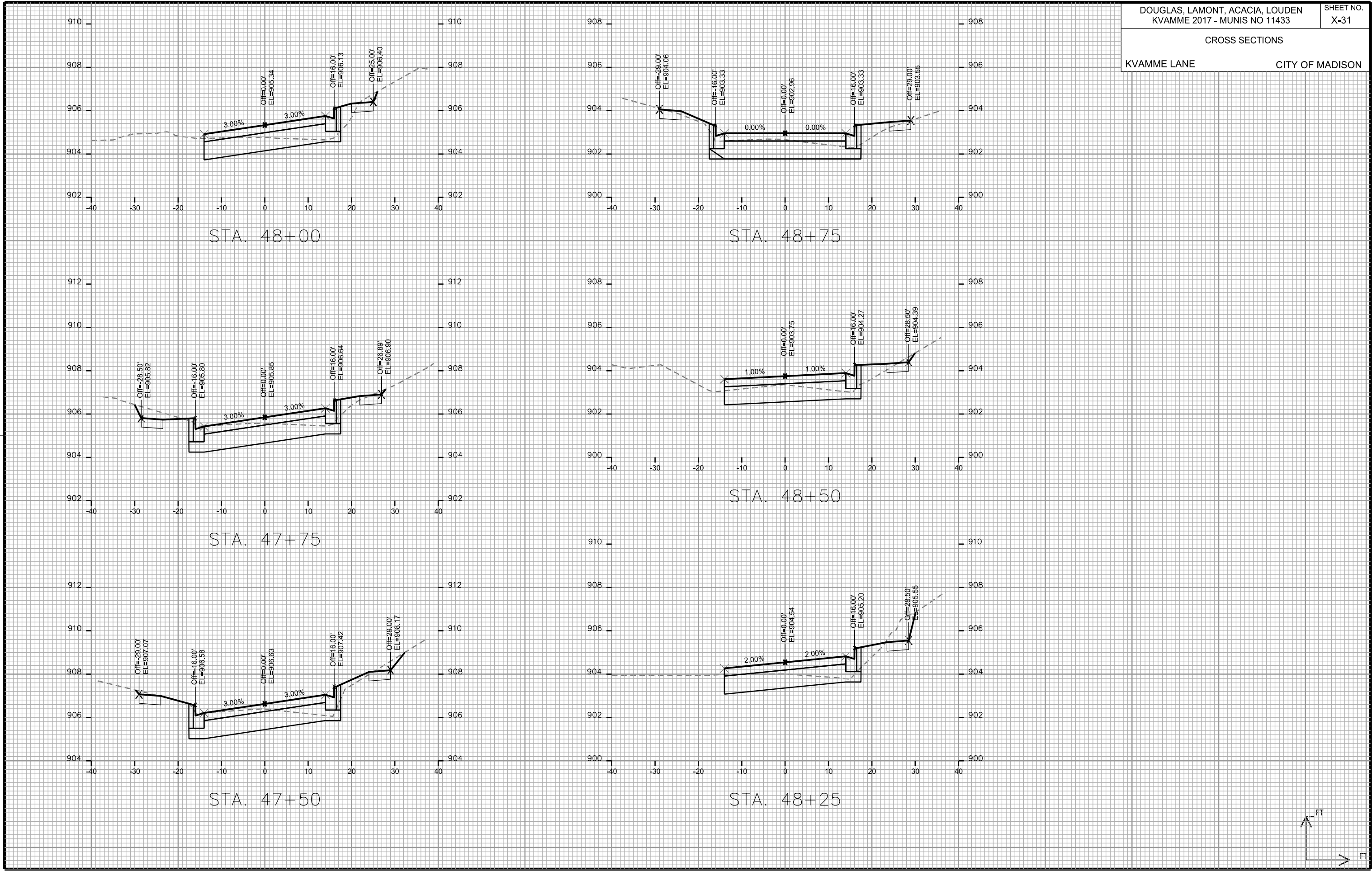


PLOT SCALE: _____

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REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

KVAMME LANE

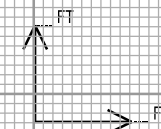
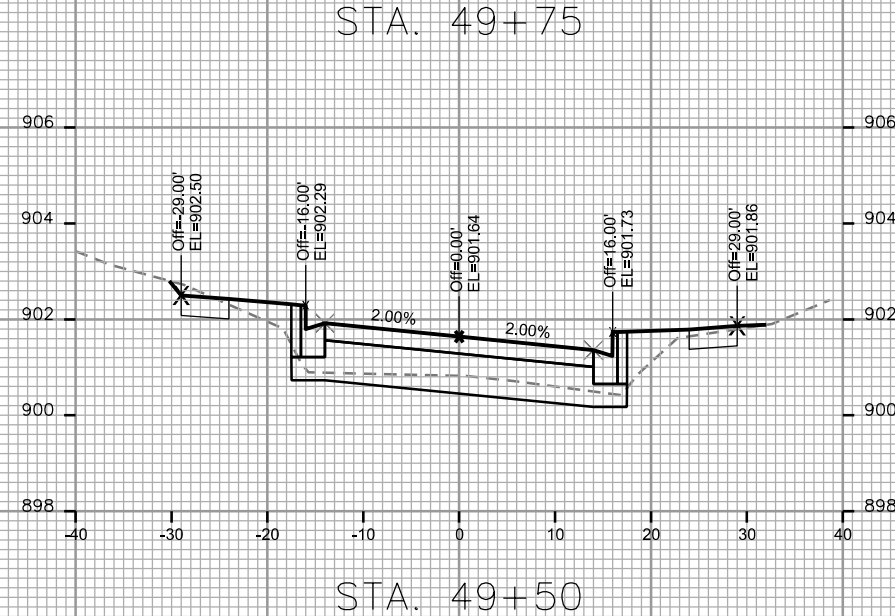
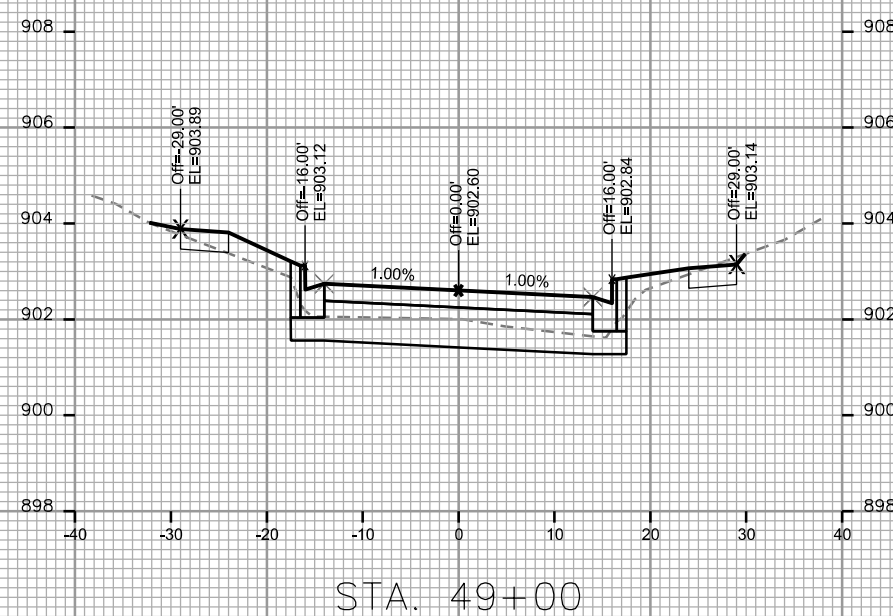
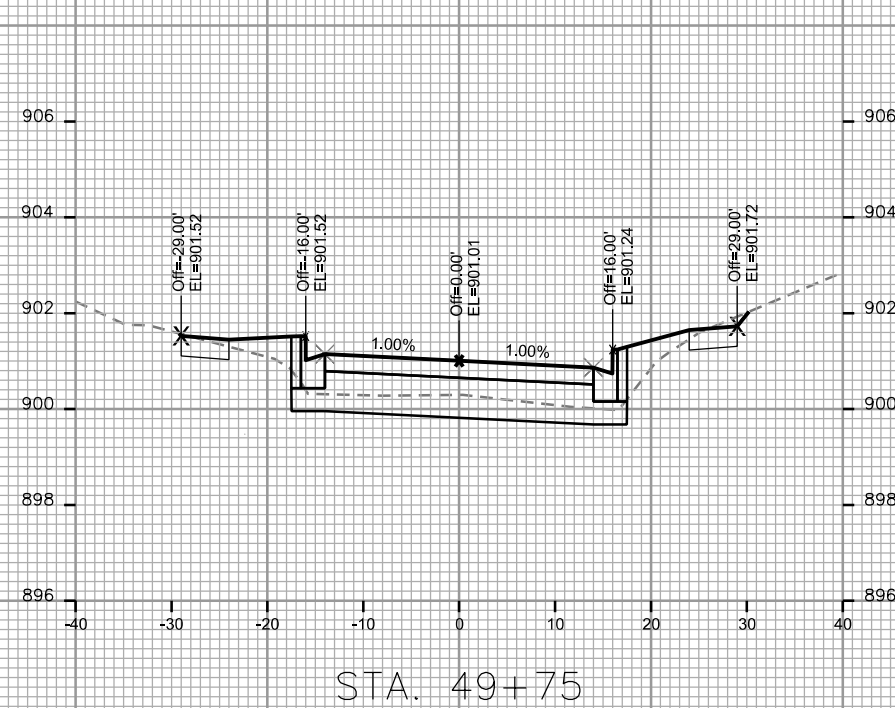
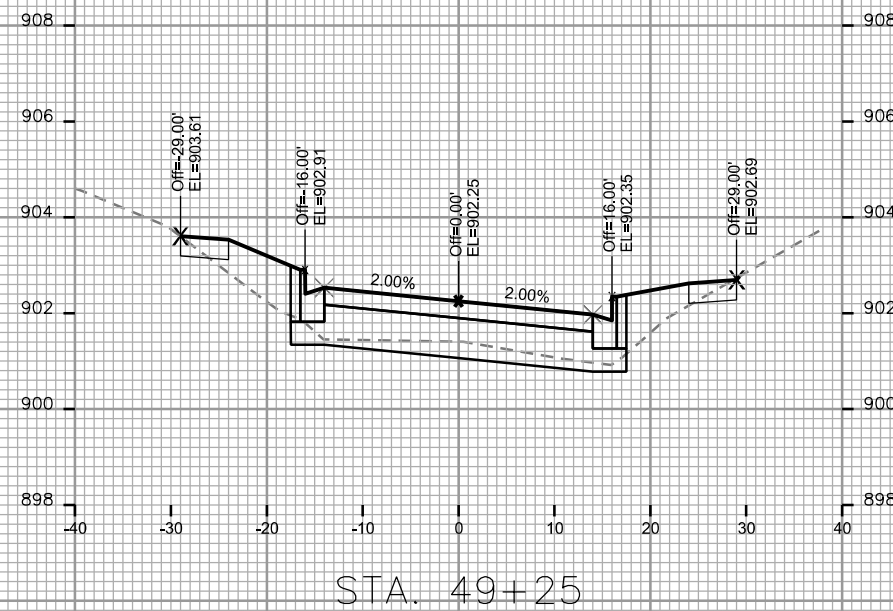
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

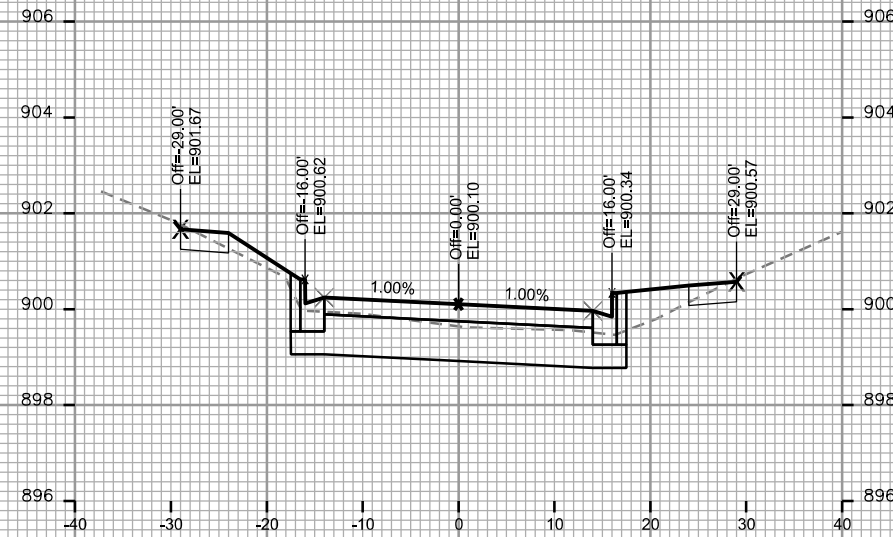
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



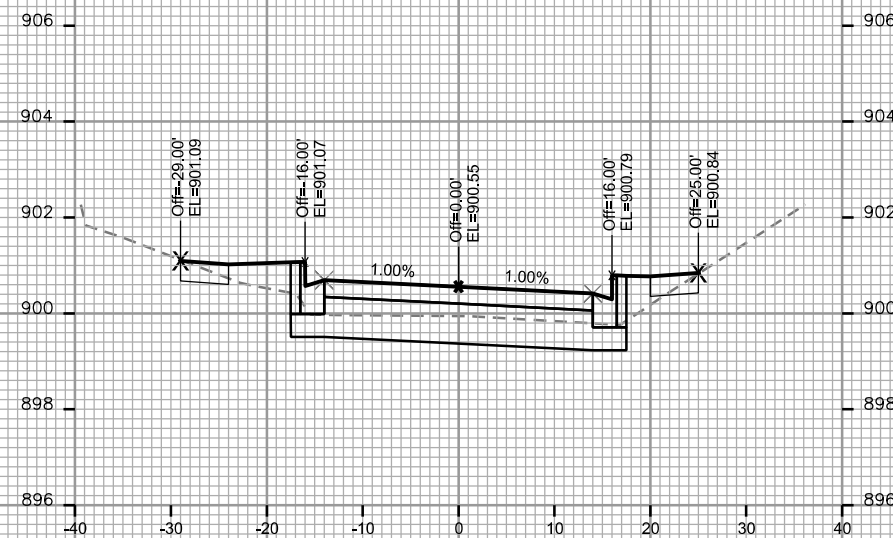
CROSS SECTIONS

KVAMME LANE

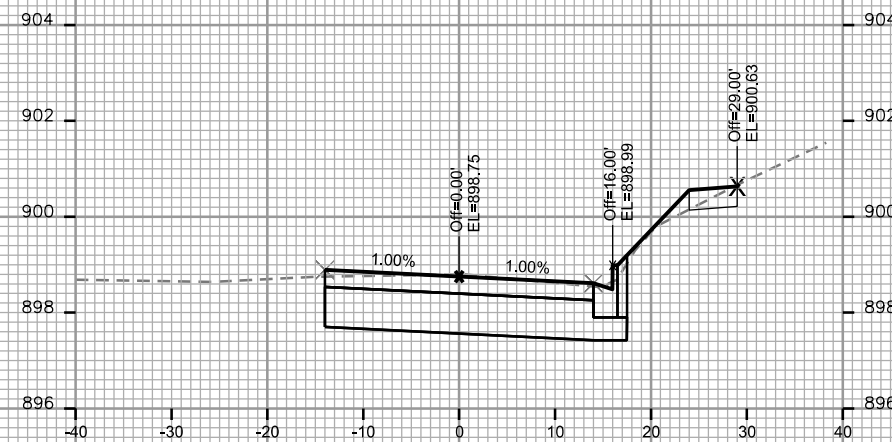
CITY OF MADISON



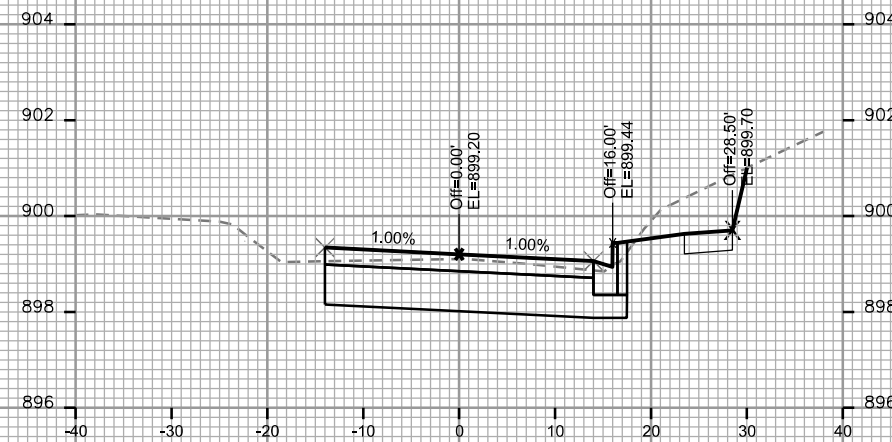
STA. 50+25



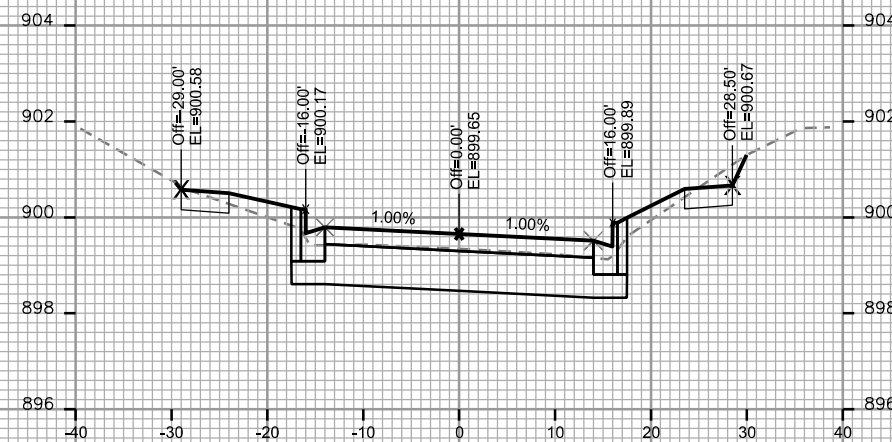
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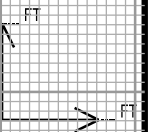
STA. 51+00



STA. 50+75



STA. 50+50



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

KVAMME LANE

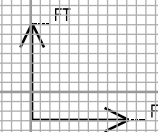
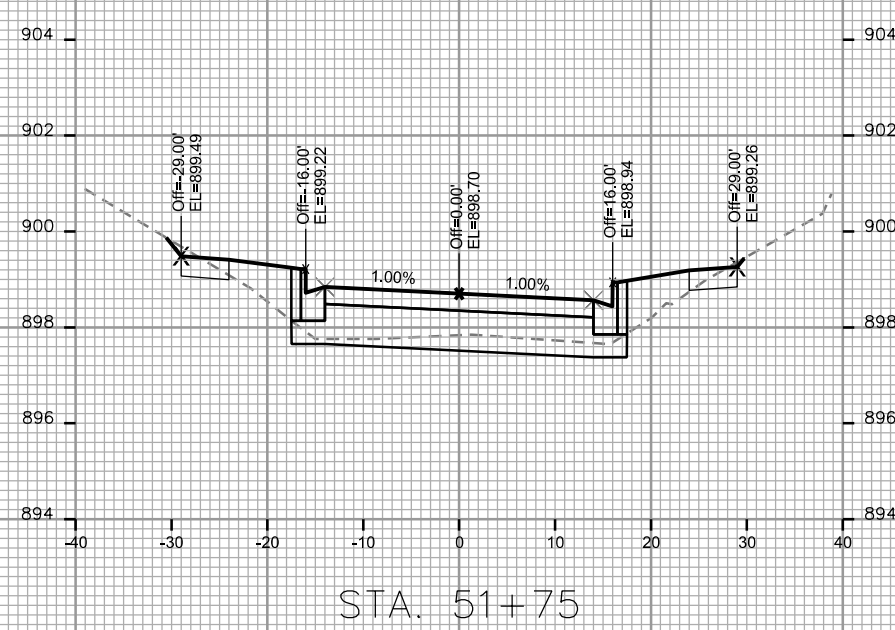
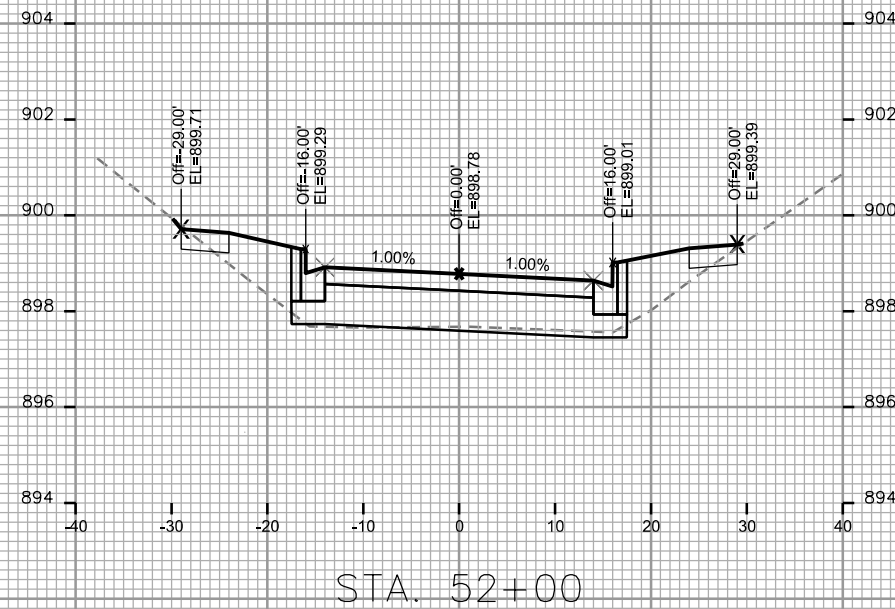
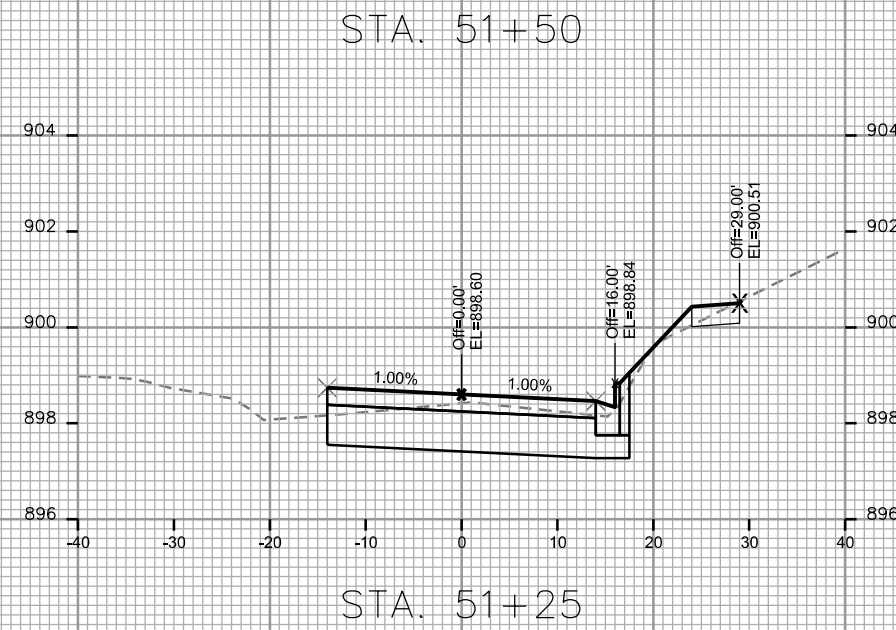
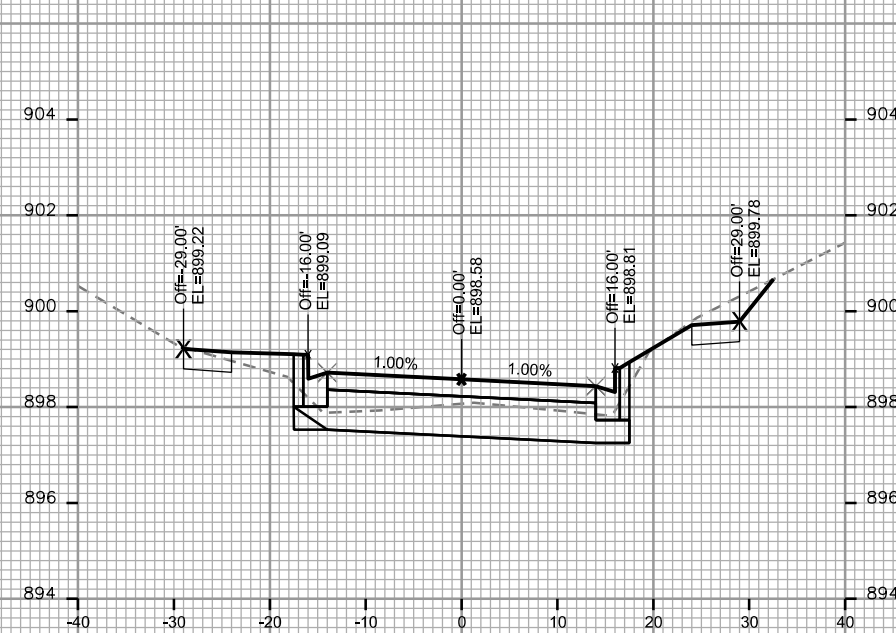
CITY OF MADISON

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PLOT NAME: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

KVAMME LANE

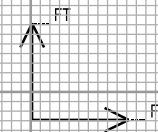
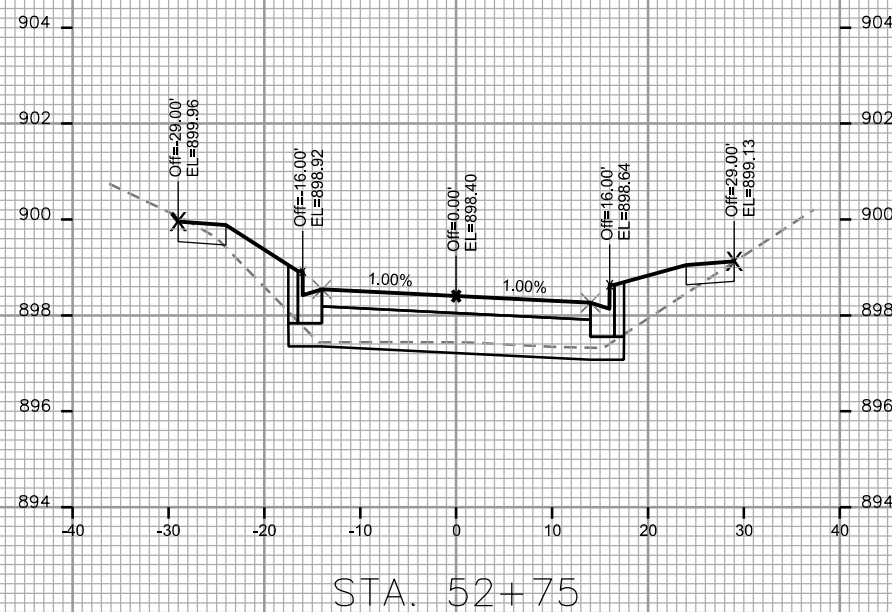
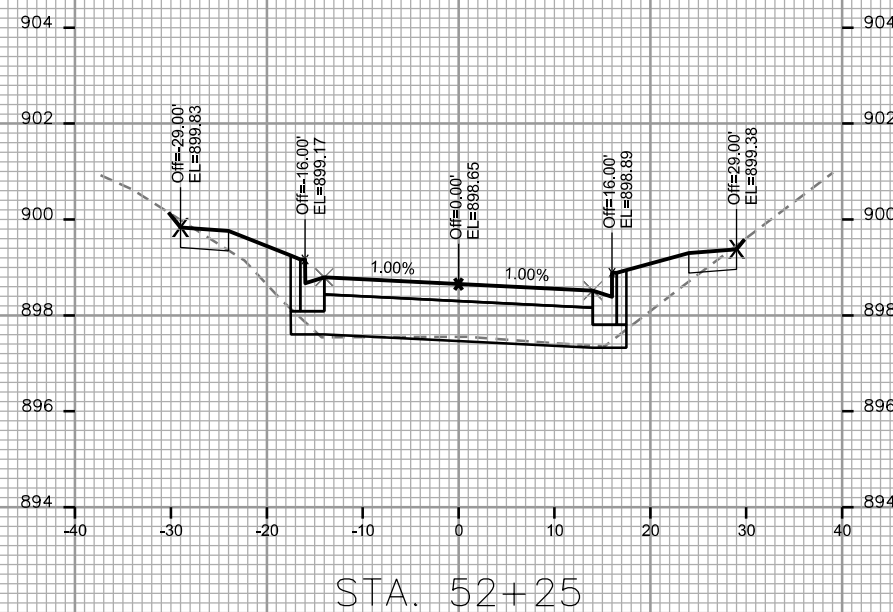
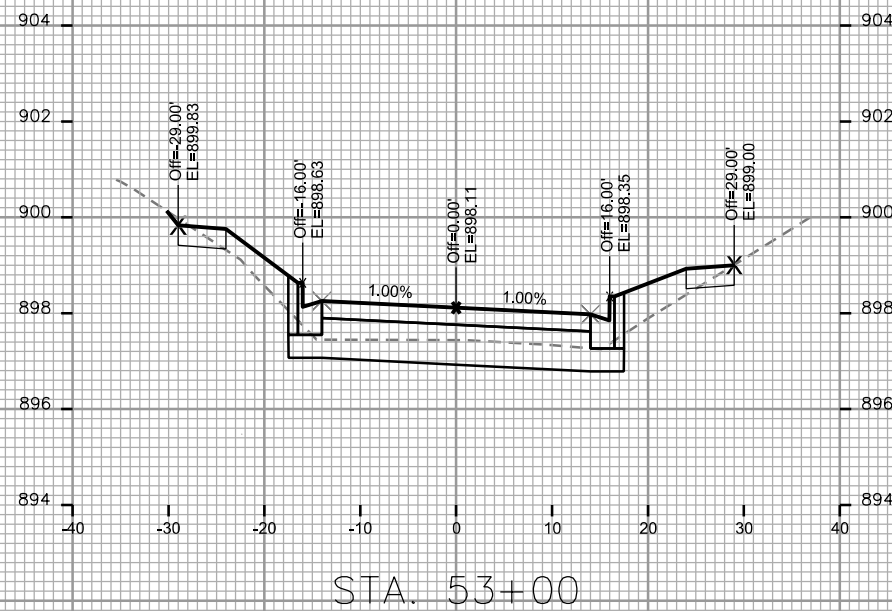
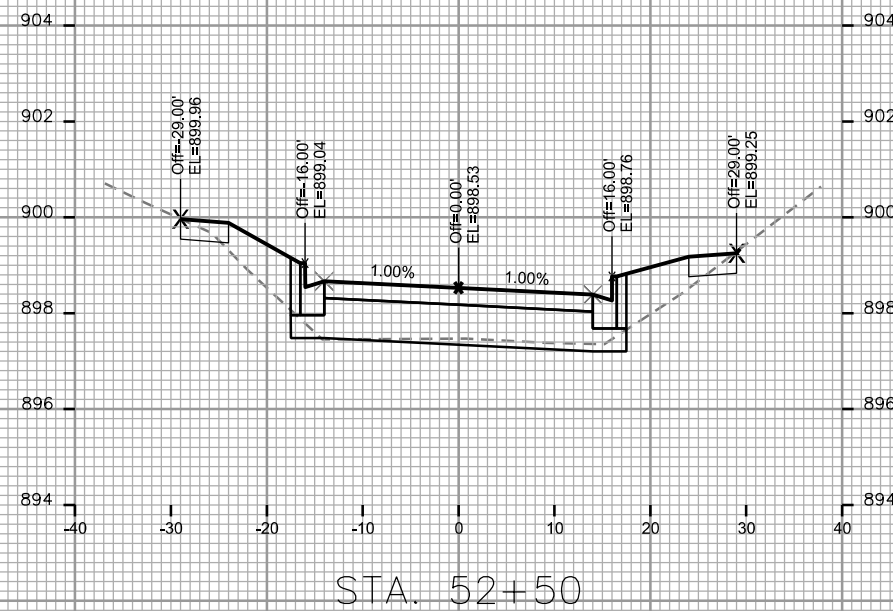
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

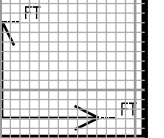
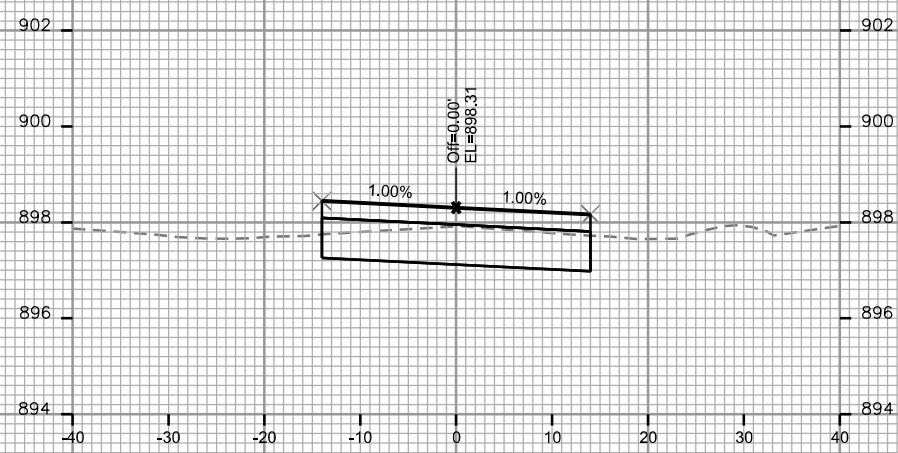
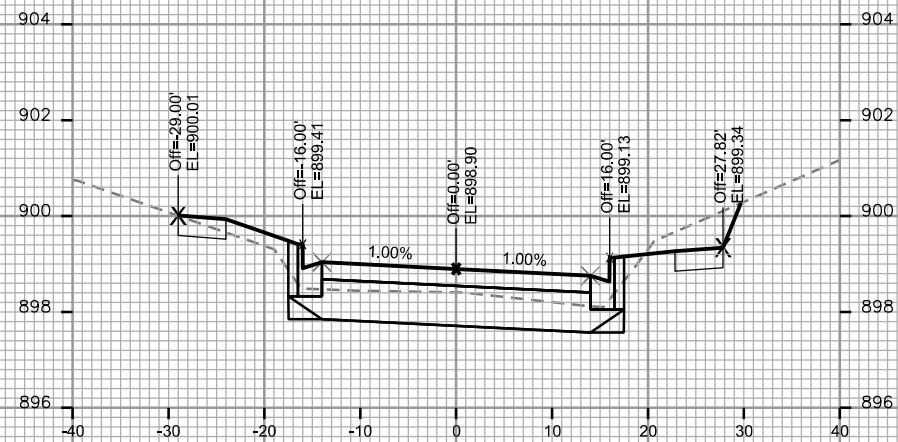
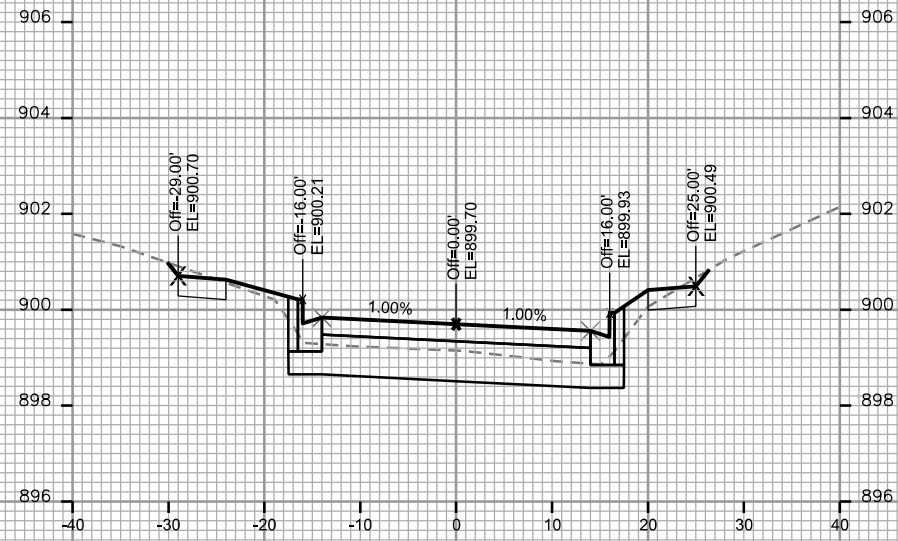
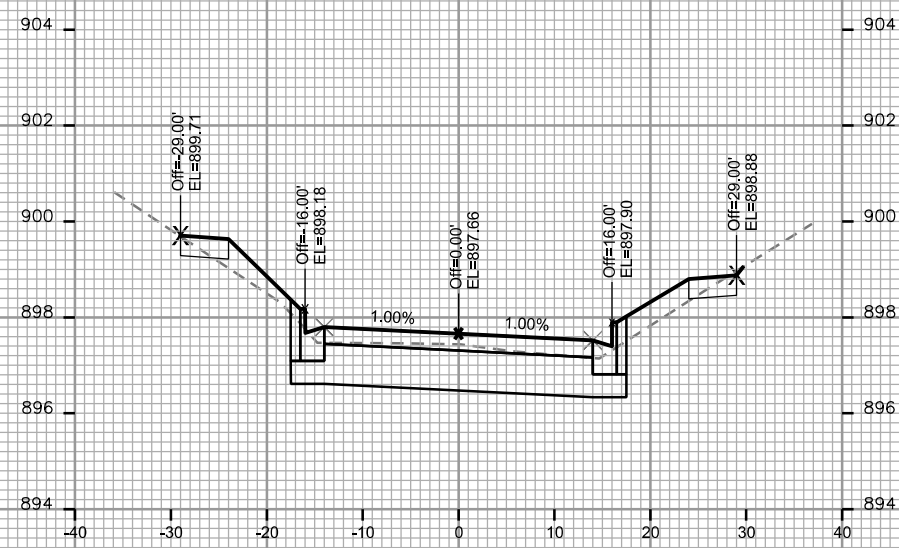
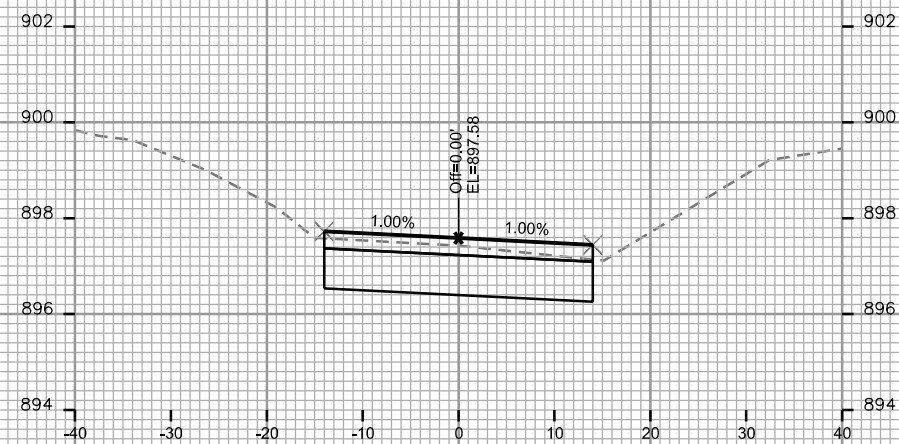
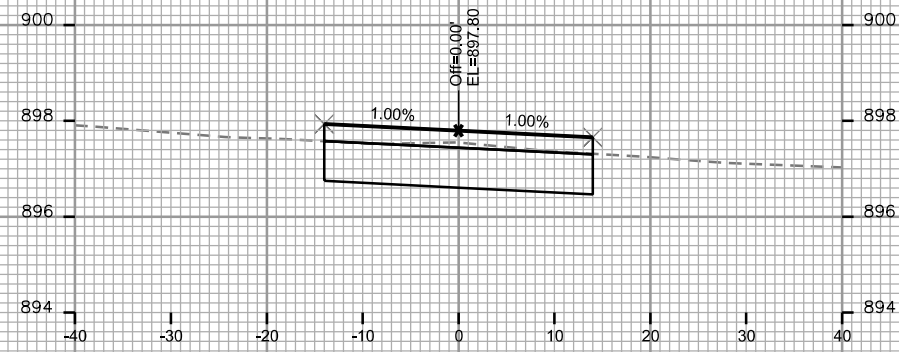
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

KVAMME LANE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

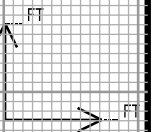
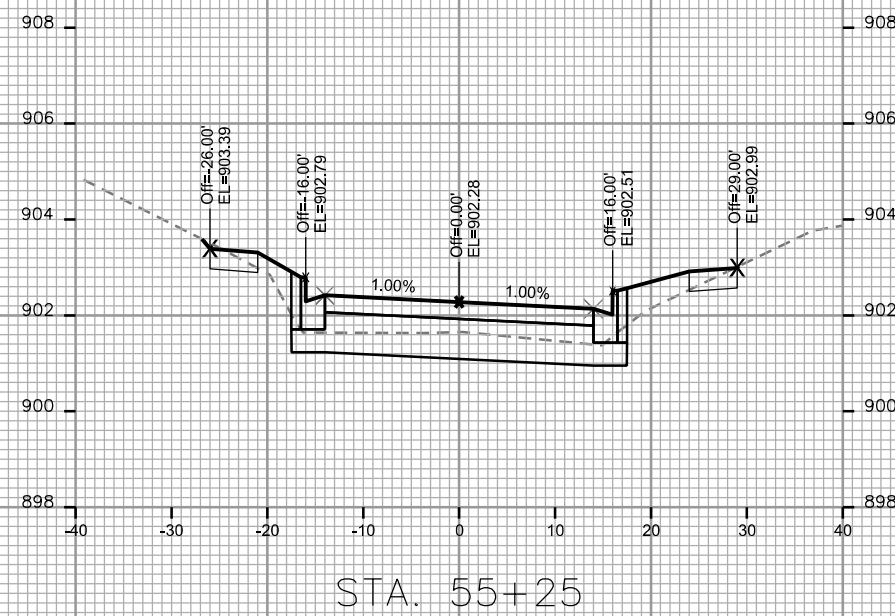
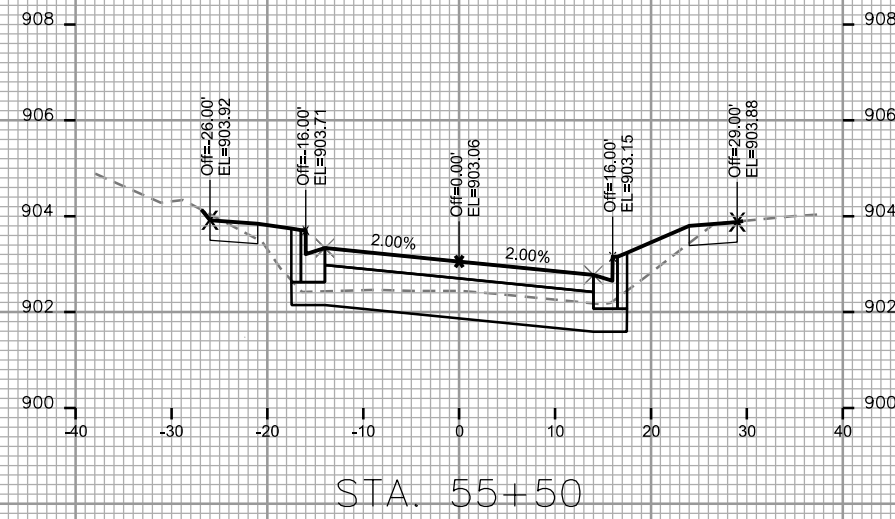
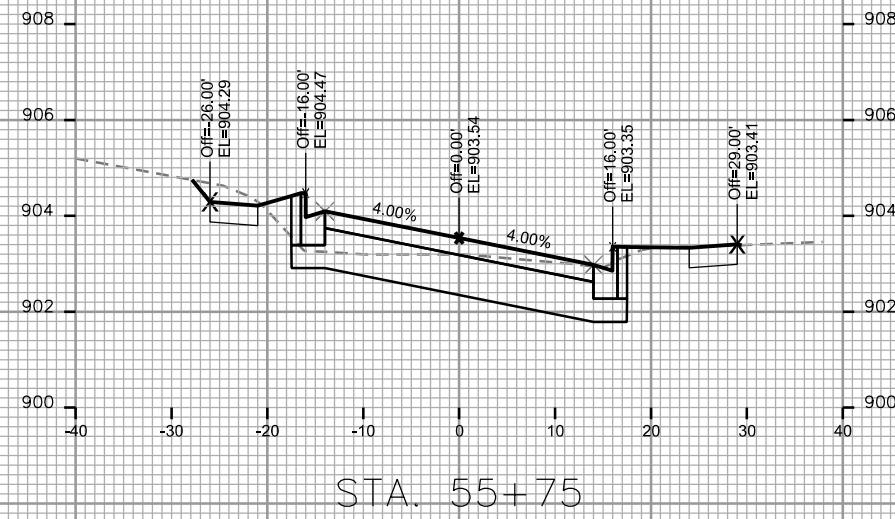
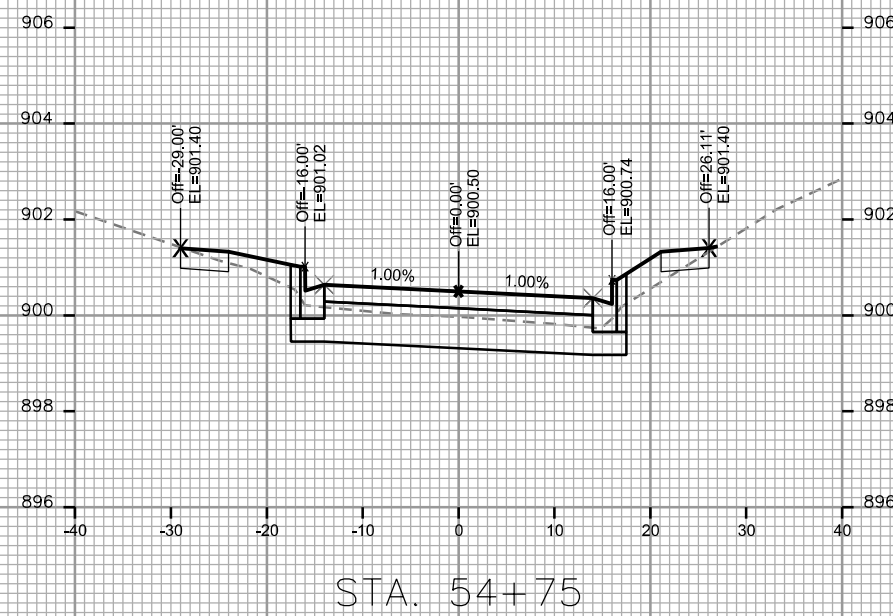
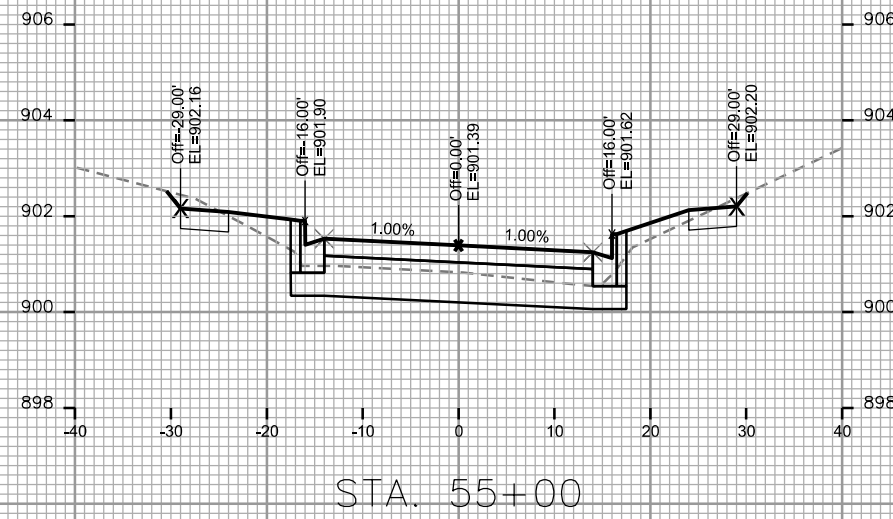
DOUGLAS, LAMONT, ACACIA, LOUDEN
KVAMME 2017 - MUNIS NO 11433

SHEET NO.
X-37

CROSS SECTIONS

KVAMME LANE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

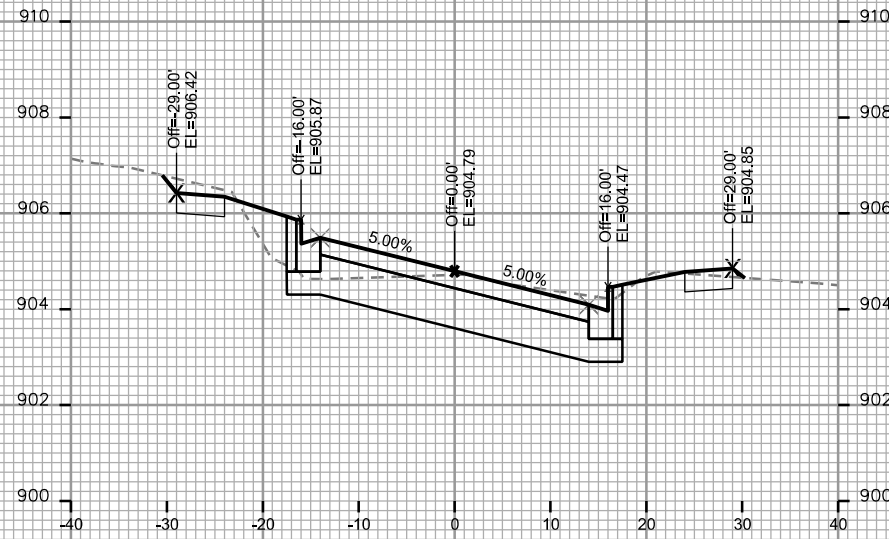
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ORIGINATOR: CITY OF MADISON, STREETS DIVISION

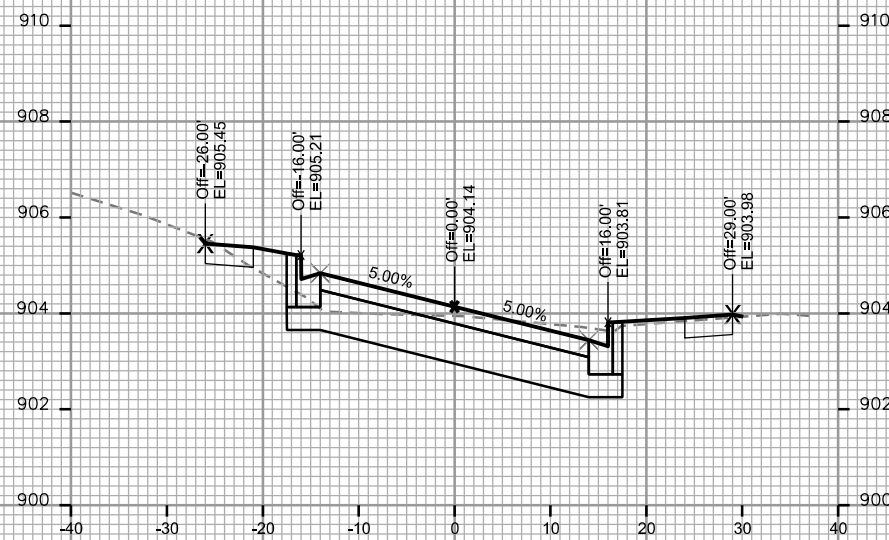
CROSS SECTIONS

KVAMME LANE

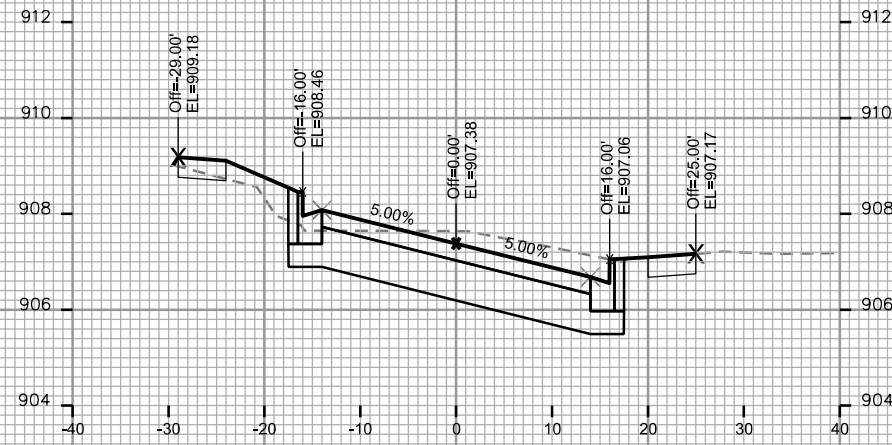
CITY OF MADISON



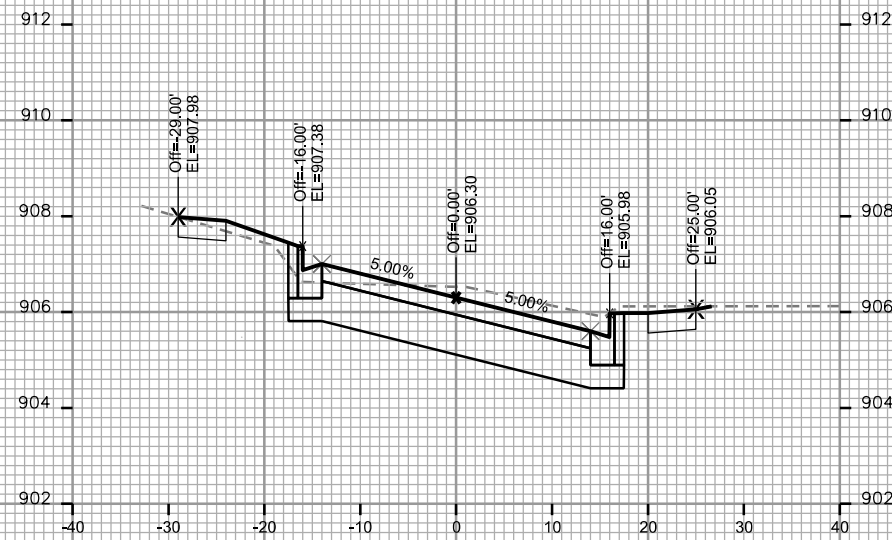
STA. 56+25



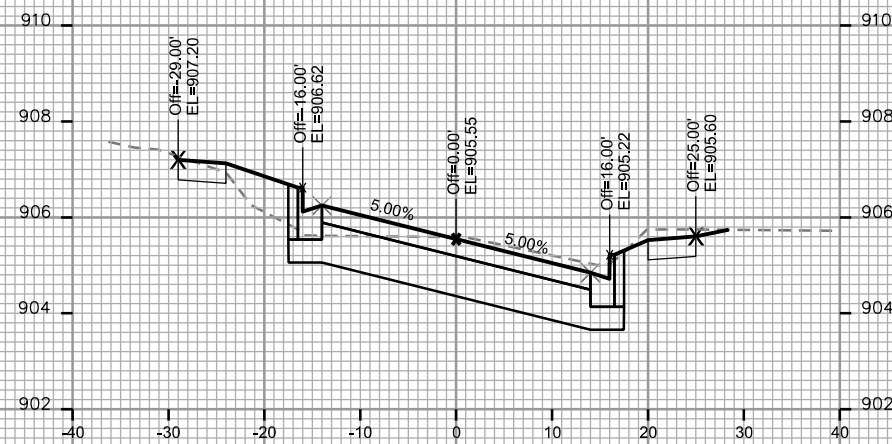
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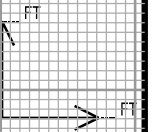
STA. 57+00



STA. 56+75



STA. 56+50



CROSS SECTIONS

KVAMME LANE

CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

