

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION

DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

TURNER AVENUE, ALLIS AVENUE & MAHER STREET ASSESSMENT DISTRICT - 2016


CITY PROJECT NO. 10904
CONTRACT NO. 7640

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 15, 2016

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

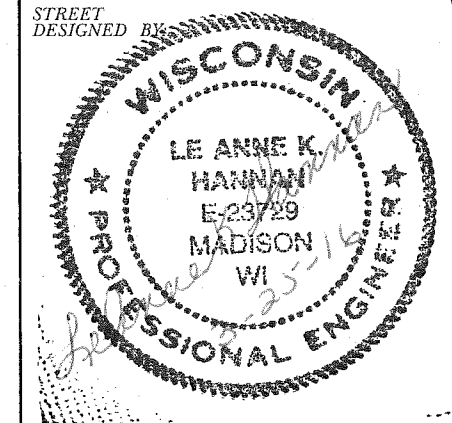
PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

 3/28/16
City Engineer Date

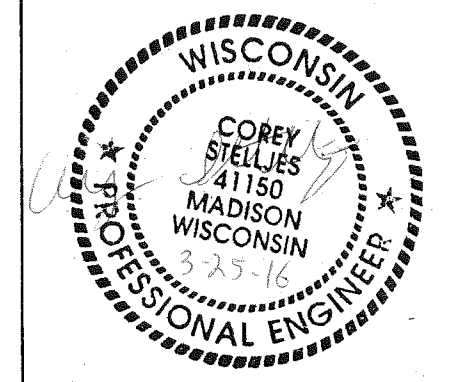
INDEX OF SHEETS

SHEET NO.	TITLE
1	TYPICAL SECTIONS AND DETAILS
D1	EROSION CONTROL PLANS
EC1-FC10	STREET PLAN & PROFILES
P1-P2	UTILITY PLAN & PROFILES
U1-U10	SANITARY SEWER SCHEDULE
U11	STORM SEWER SCHEDULE
U12	STORM SEWER REMOVAL SCHEDULE
U13	WATER PLAN & PROFILE
W1-W9	WATER IMPACT PLANS
W10-W11	WATER MATERIALS ESTIMATE & DETAILS
W12	CROSS SECTIONS
X1-X25	

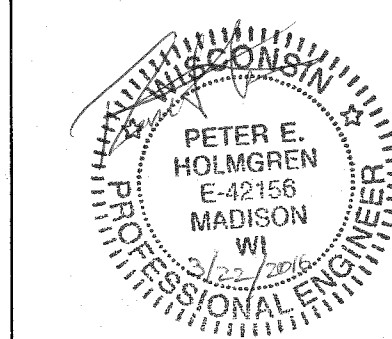
STREET
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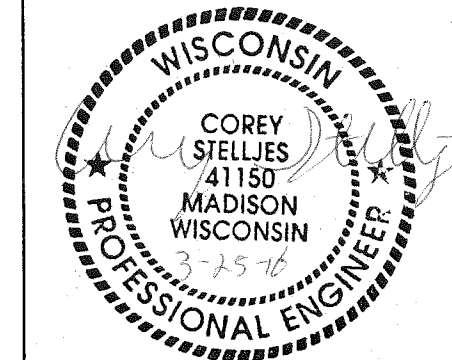
SANITARY SEWER
DESIGNED BY:



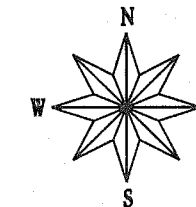
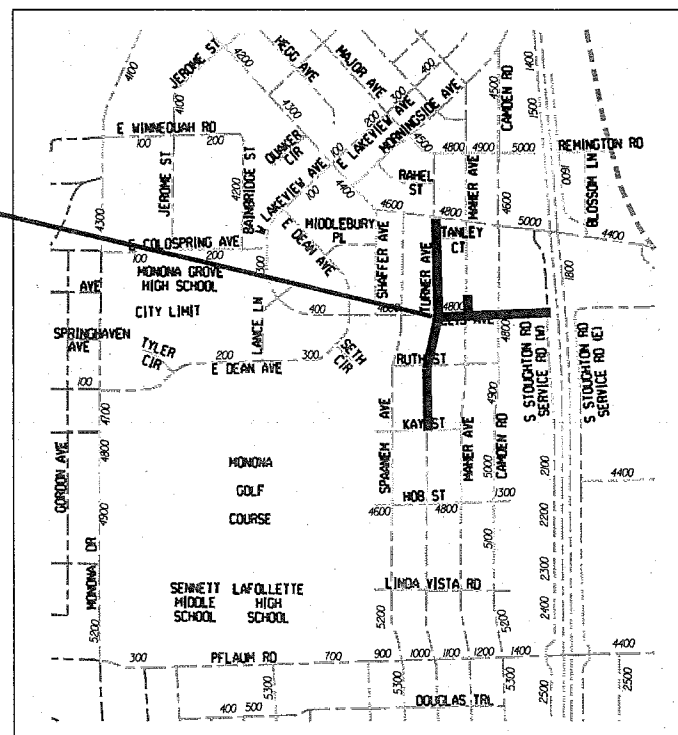
WATER MAIN
DESIGNED BY:



STORM SEWER
DESIGNED BY:



PROJECT LOCATION



CONVENTIONAL SIGNS

FIELD VERIFY ALL UTILITY LOCATIONS

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

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%

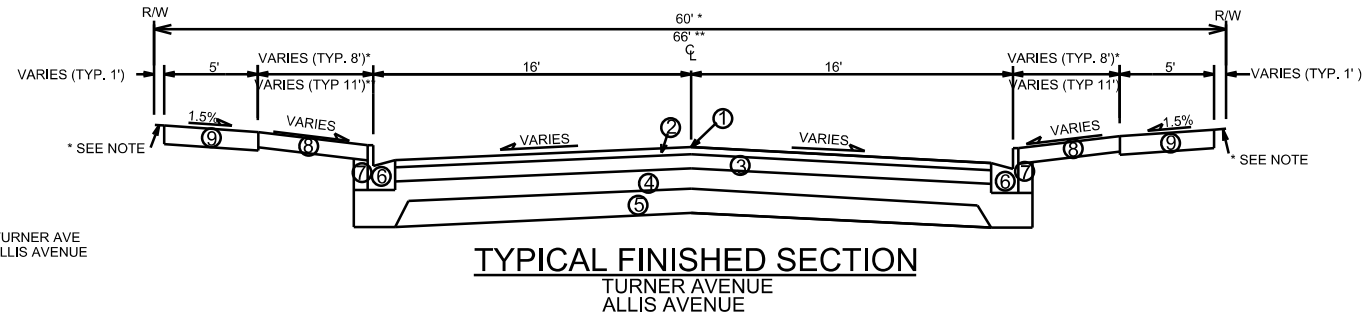
EARTH WORK SUMMARY:
EXCAVATION CUT (MEASURED PLAN QUANTITY).....4822 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....2935 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....7757 C.Y.

PLOT SCALE:

PLOT NAME:

REV. DATE:

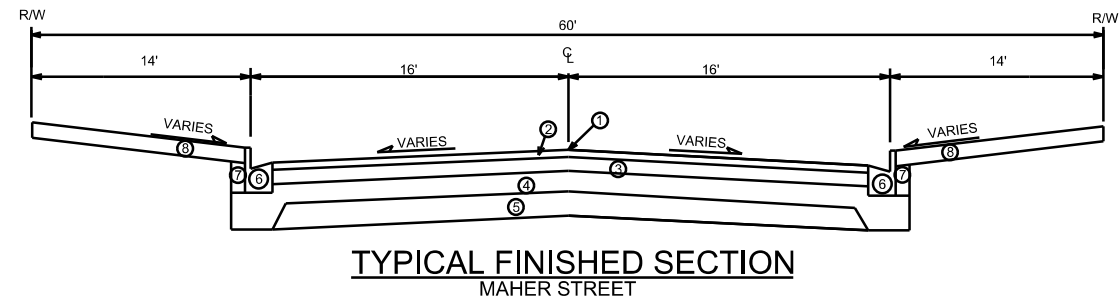
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



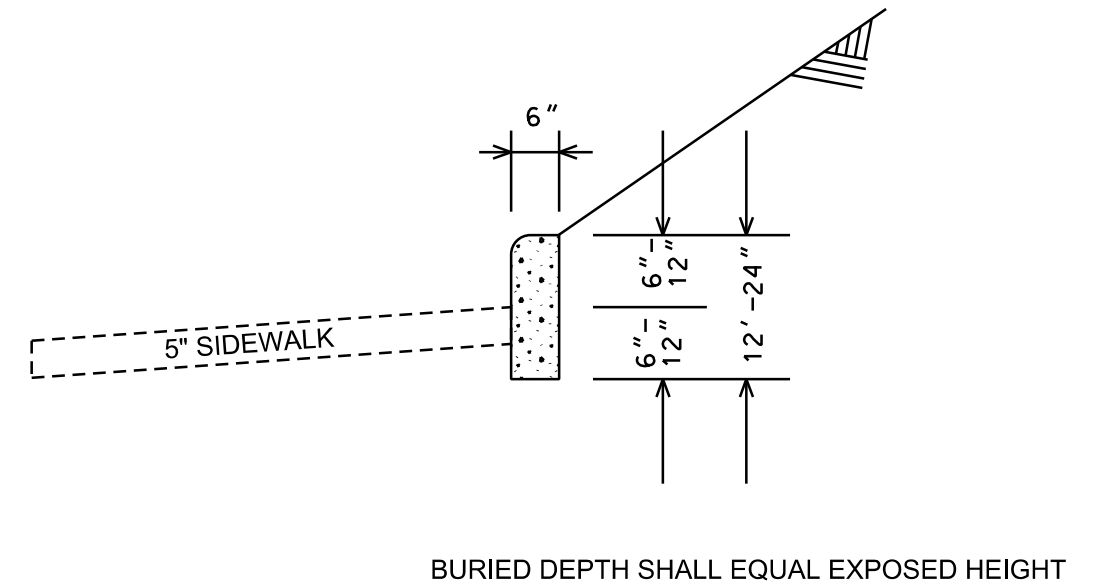
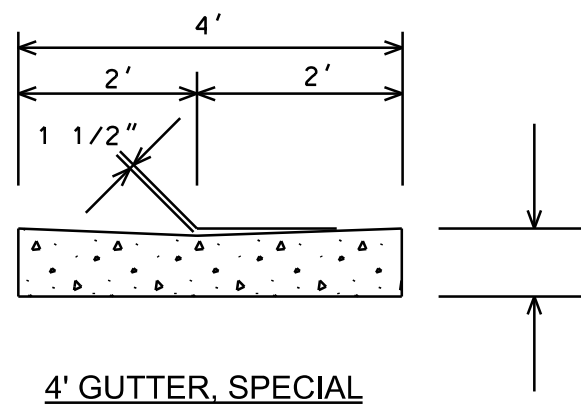
- ① POINT REFERRED TO ON PROFILE
- ② 2" BITUMINOUS UPPER LAYER
- ③ 2.25" BITUMINOUS LOWER LAYER
- ④ 4" GRADATION 2 CRUSHED STONE
- ⑤ 6" GRADATION 1 CRUSHED STONE
- ⑥ TYPE 'A' CONCRETE CURB & GUTTER
- ⑦ FILL, INCIDENTAL
- ⑧ 4" TOPSOIL, SEED & MAT
- ⑨ 5" CONCRETE SIDEWALK

TYPICAL SECTIONS NOT TO SCALE

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



TYPICAL SECTIONS NOT TO SCALE



CONCRETE SIDEWALK CURB

PLOT SCALE:

PLOT NAME:

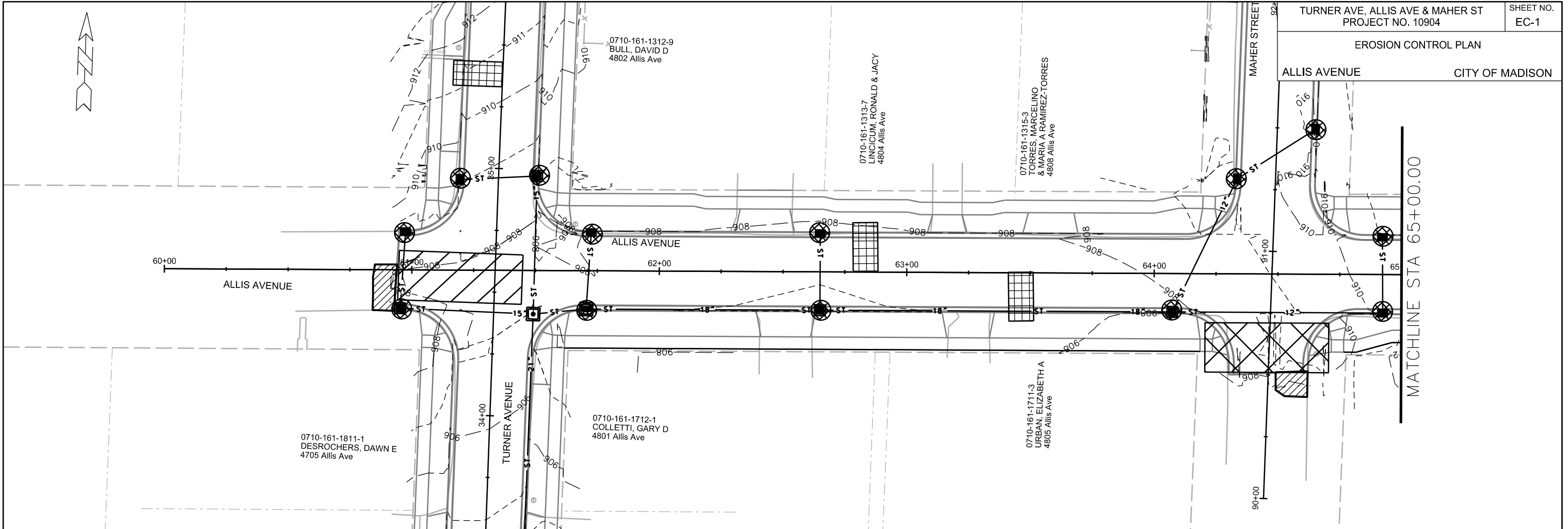
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
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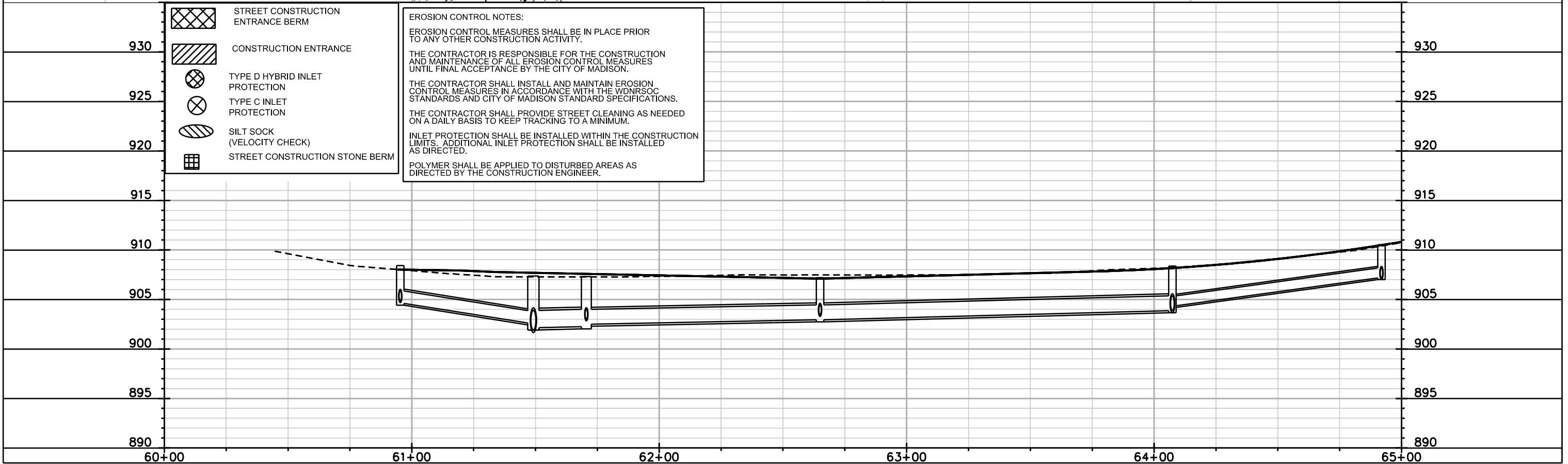
EROSION CONTROL PLAN

ALLIS AVENUE CITY OF MADISON



-  STREET CONSTRUCTION ENTRANCE BERM
-  CONSTRUCTION ENTRANCE
-  TYPE D HYBRID INLET PROTECTION
-  TYPE C INLET PROTECTION
-  SILT SOCK (VELOCITY CHECK)
-  STREET CONSTRUCTION STONE BERM

EROSION CONTROL NOTES:
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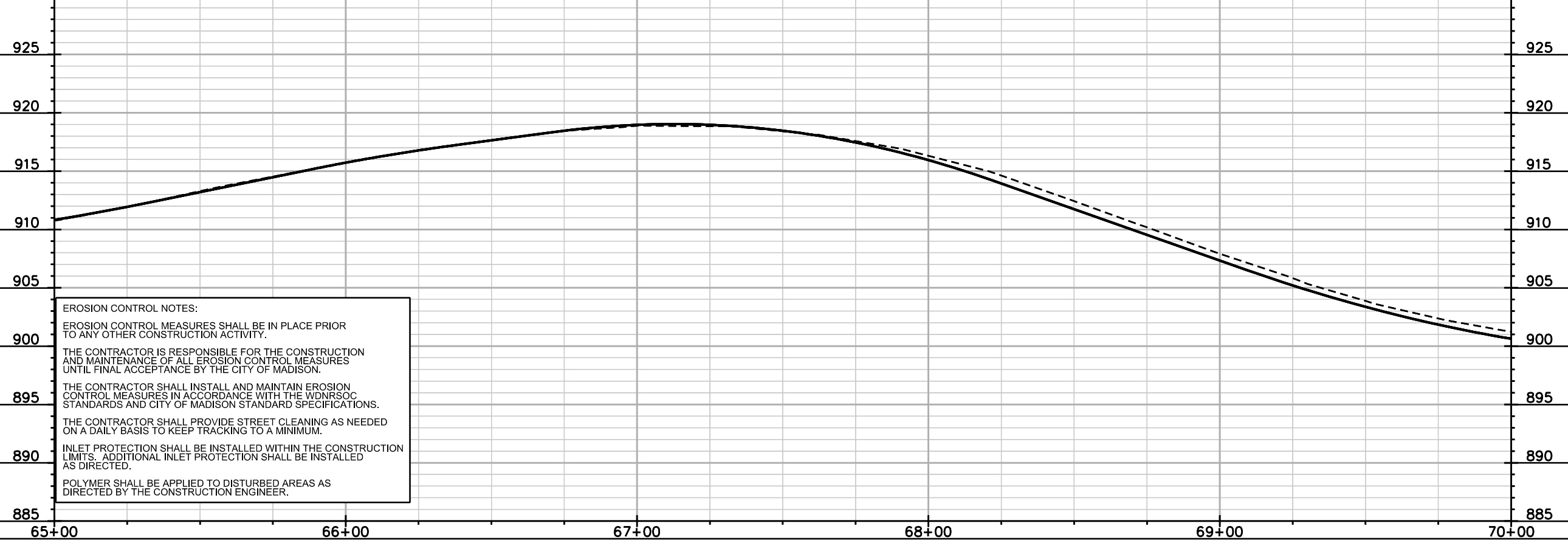
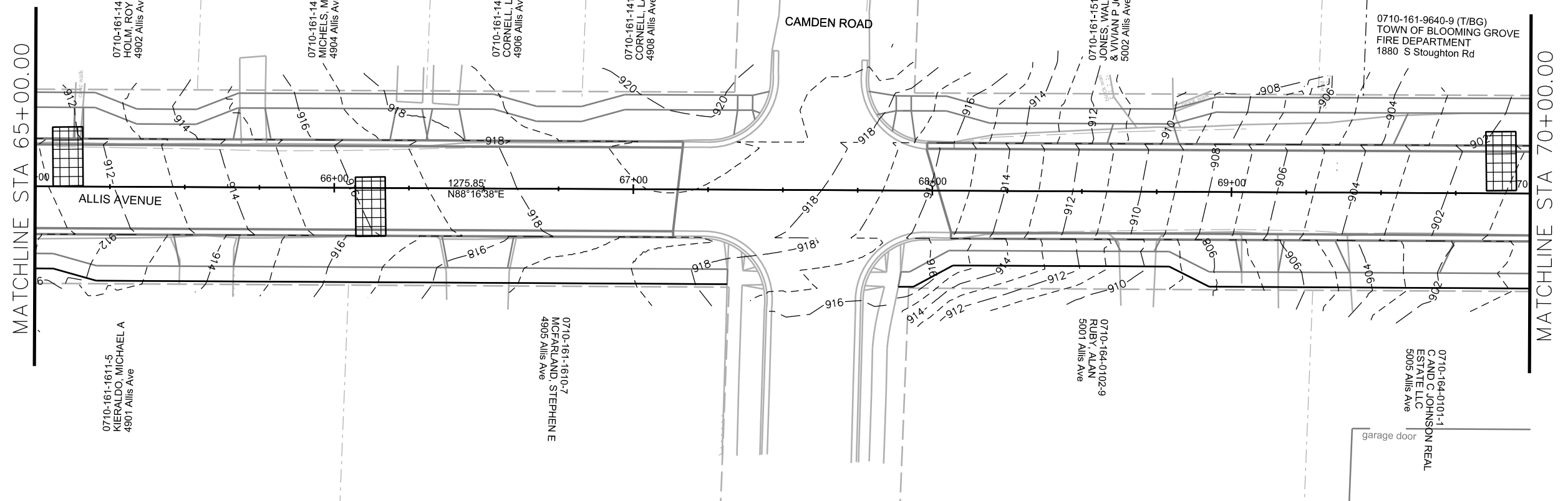


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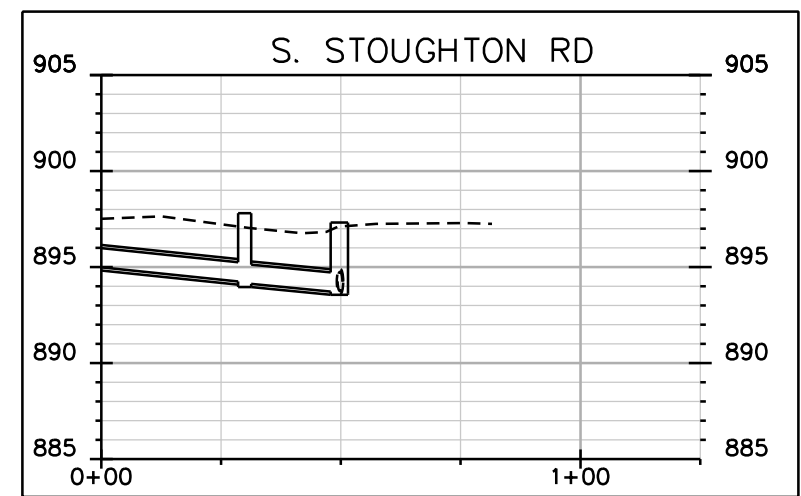
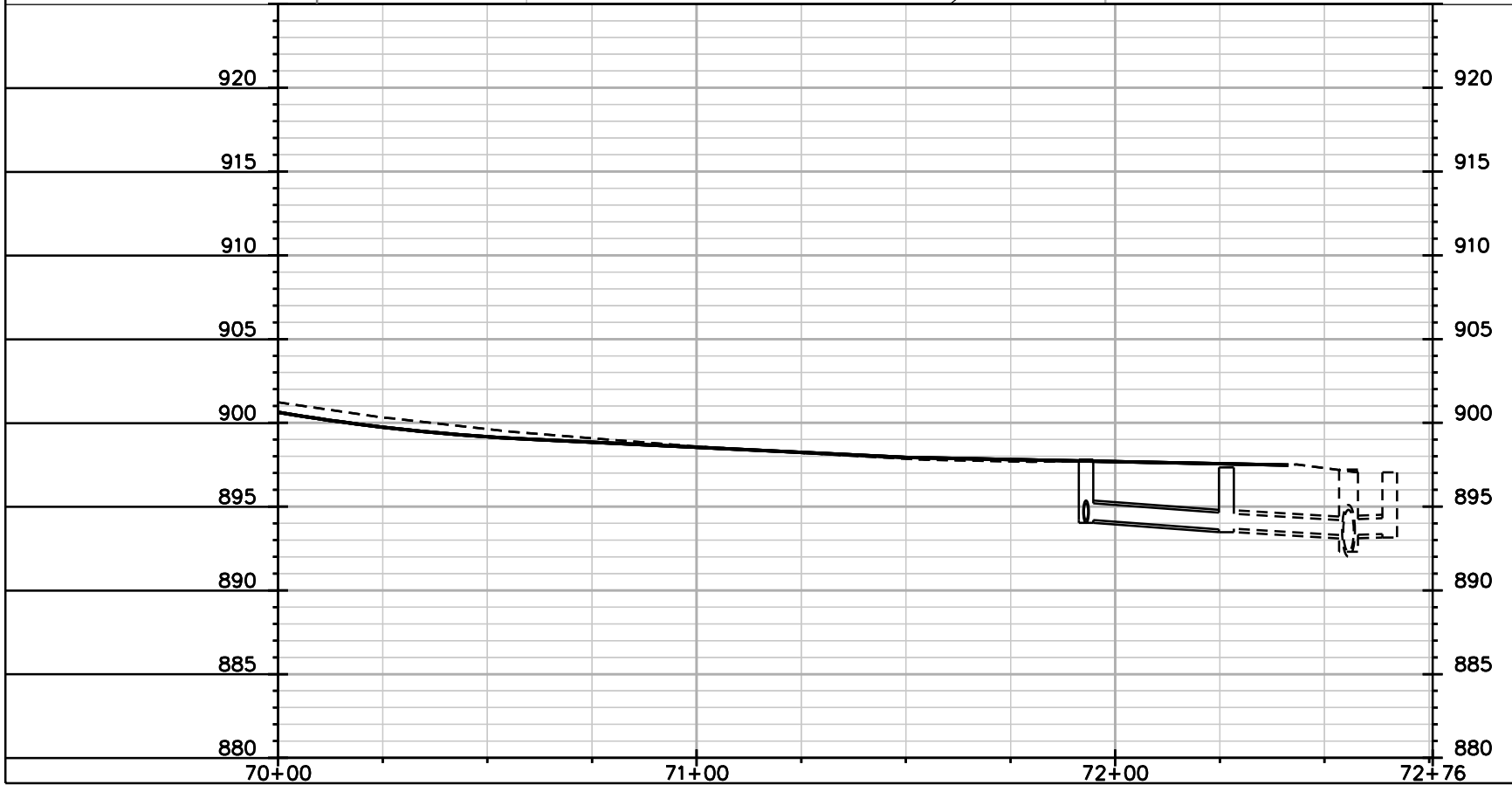
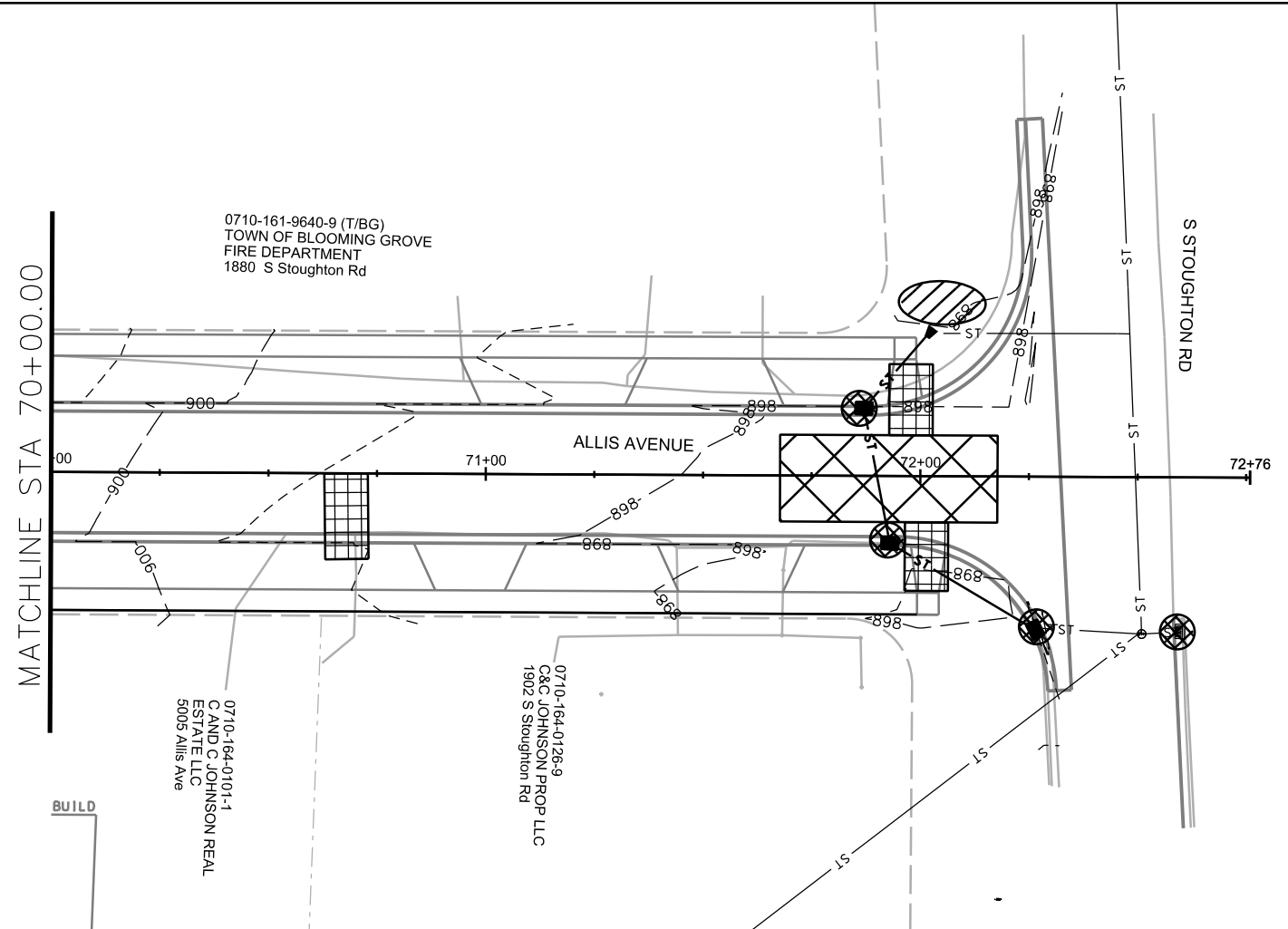
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EROSION CONTROL PLAN
ALLIS AVENUE CITY OF MADISON

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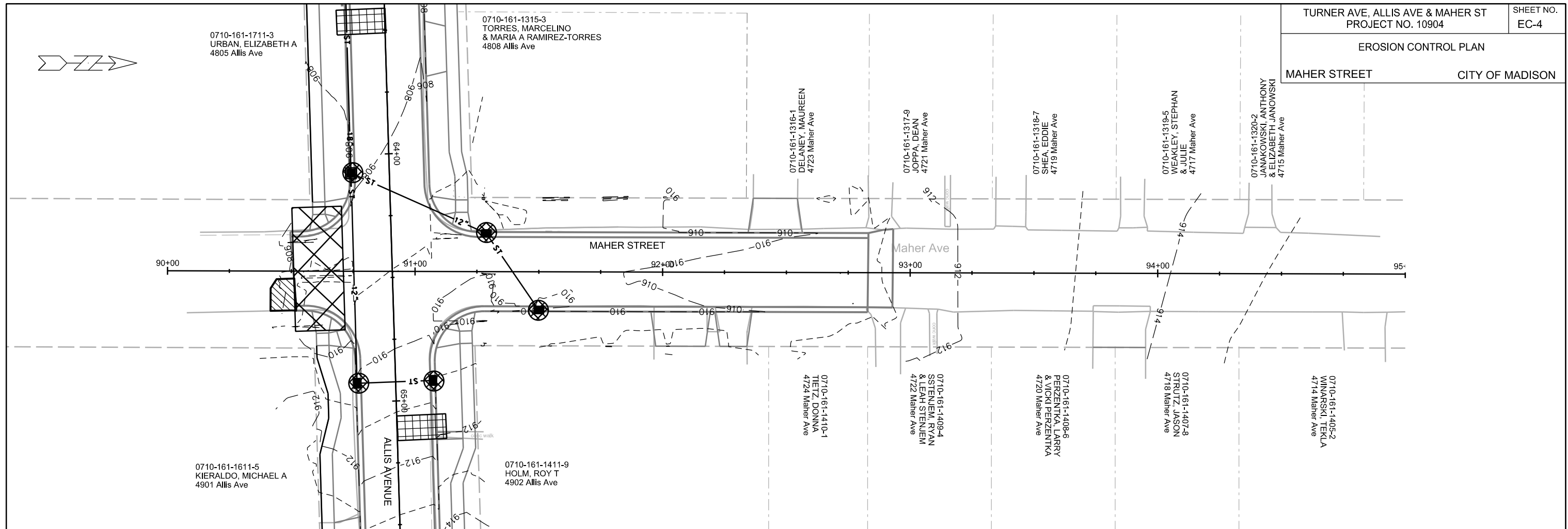
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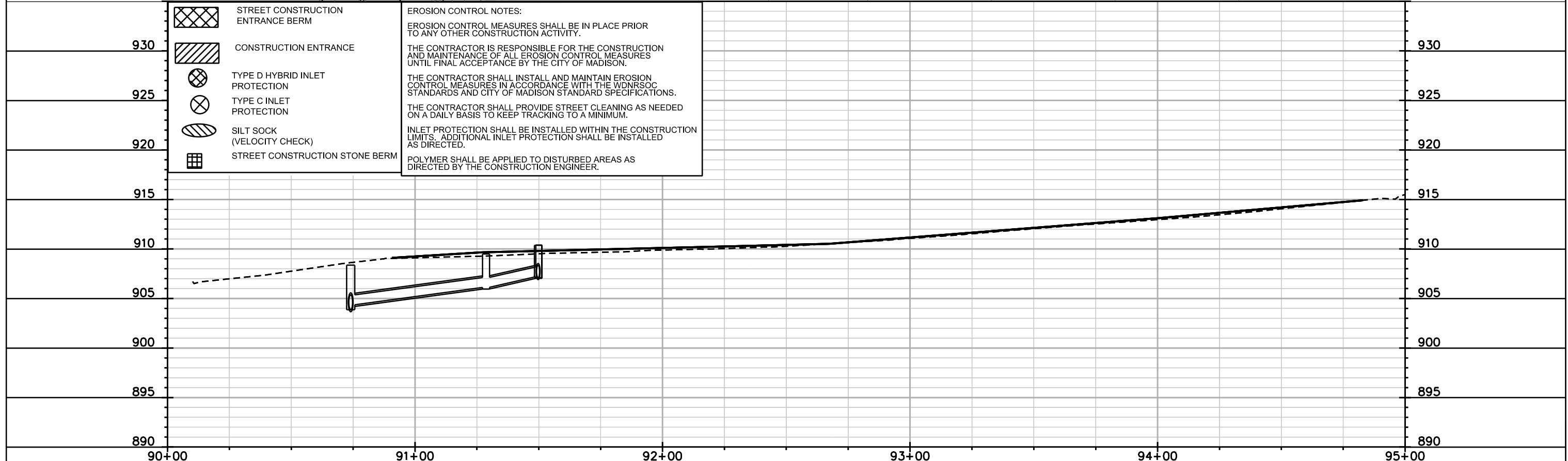
EROSION CONTROL PLAN

MAHER STREET CITY OF MADISON



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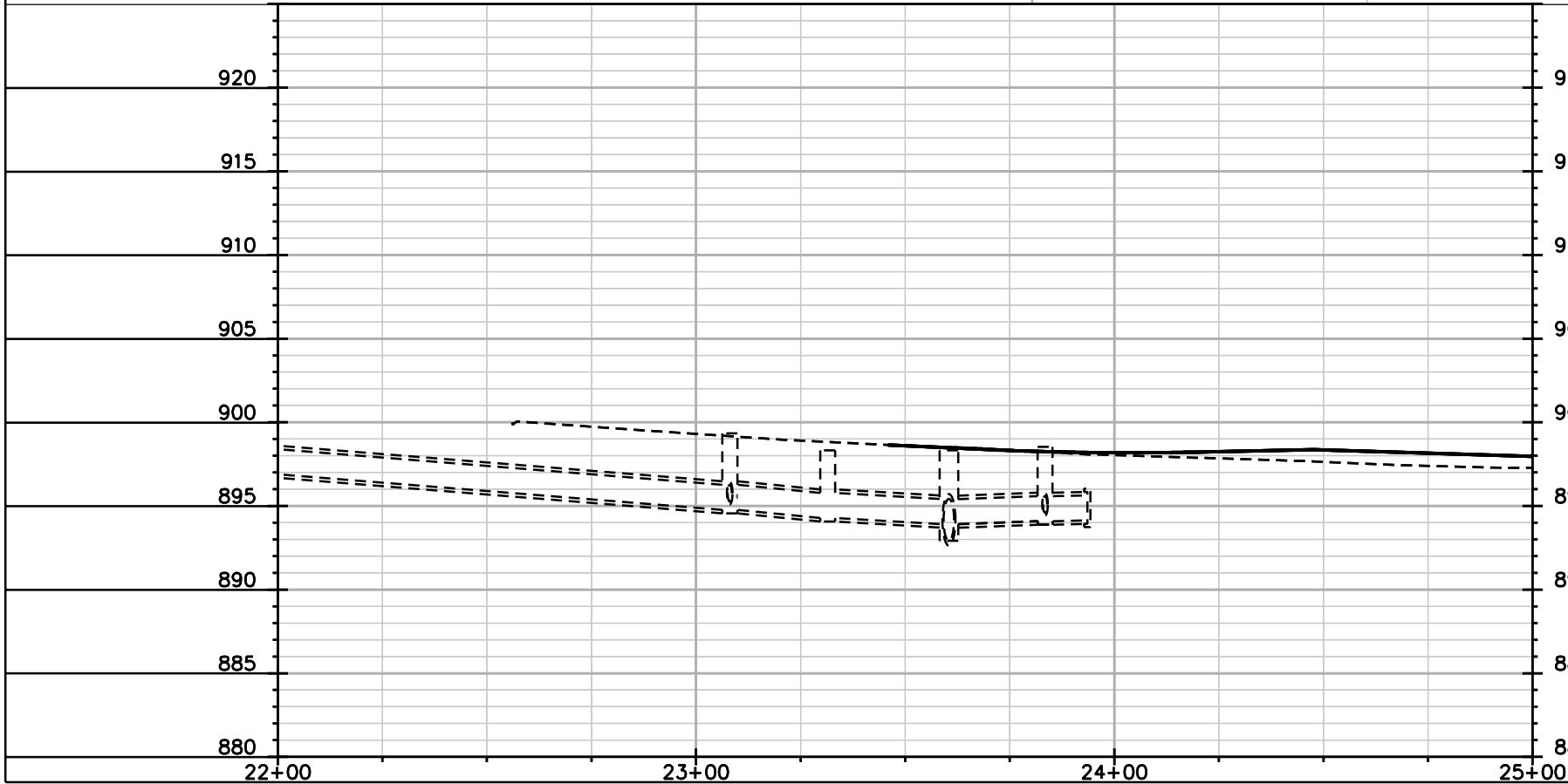
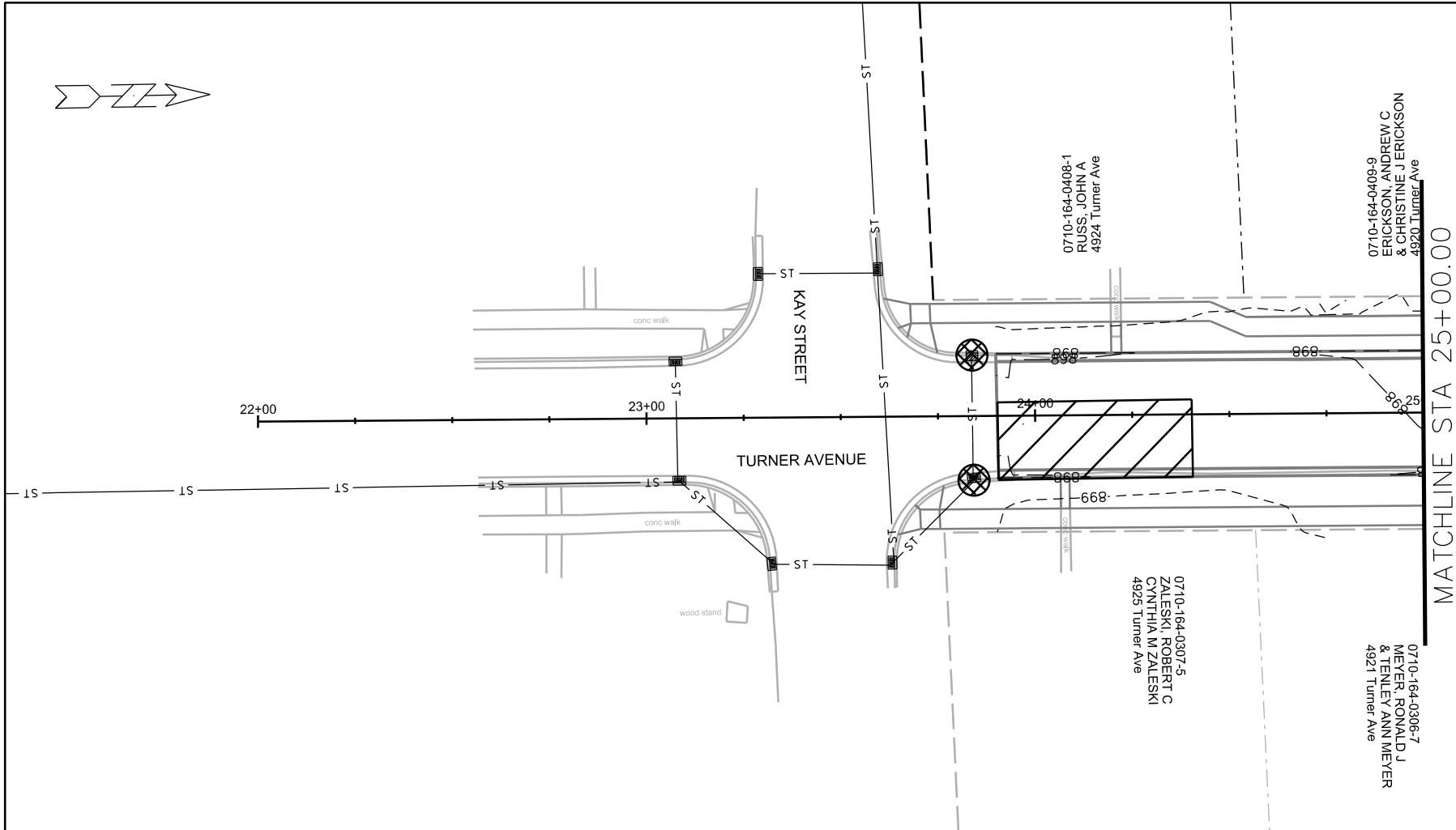
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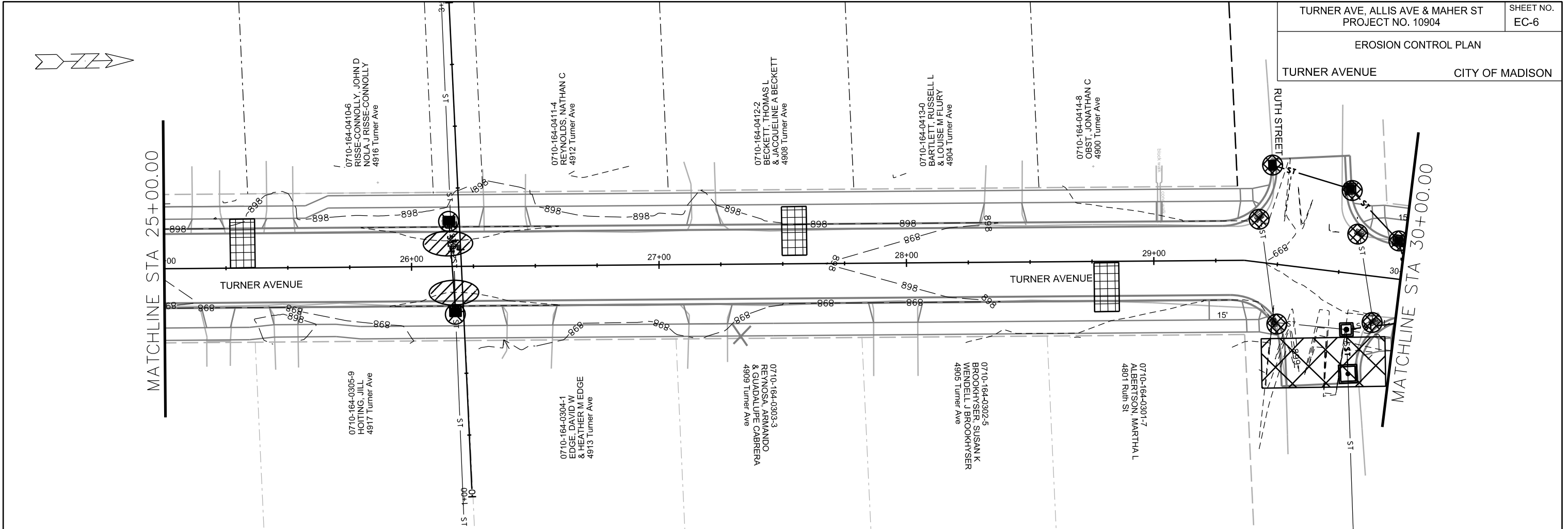


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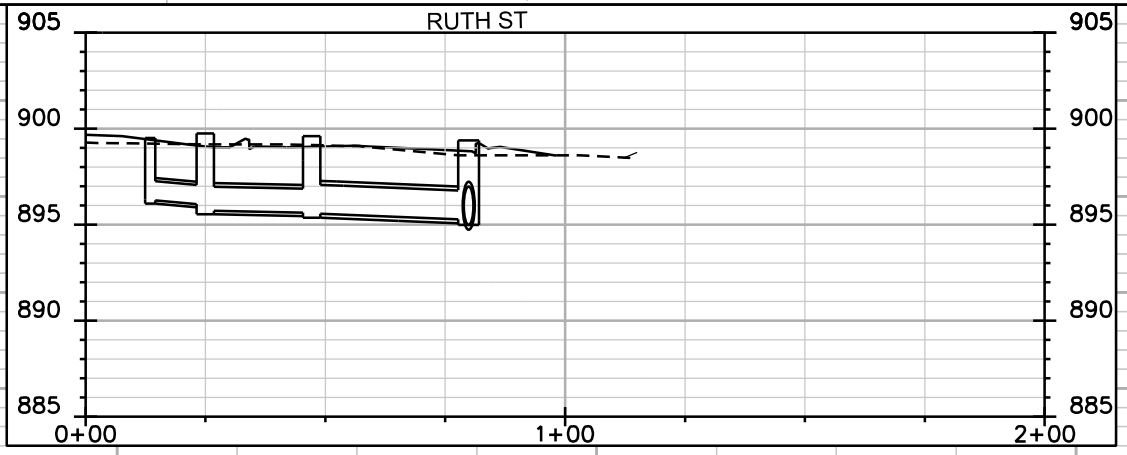
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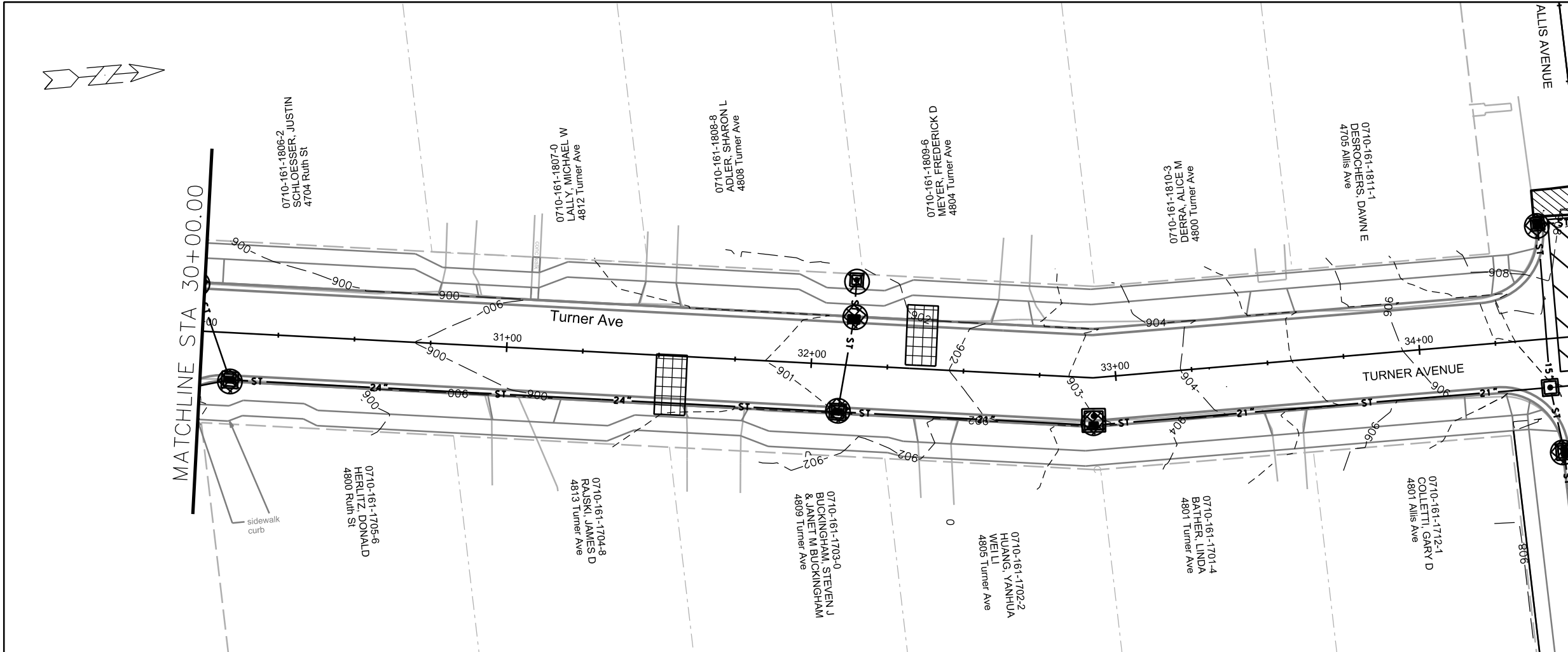
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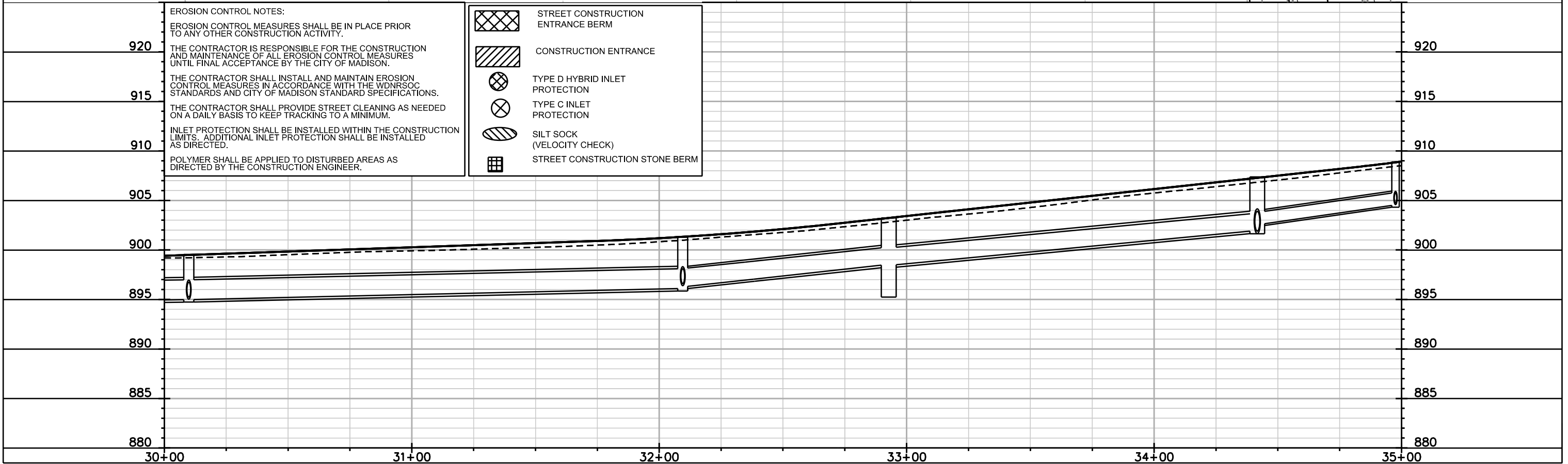
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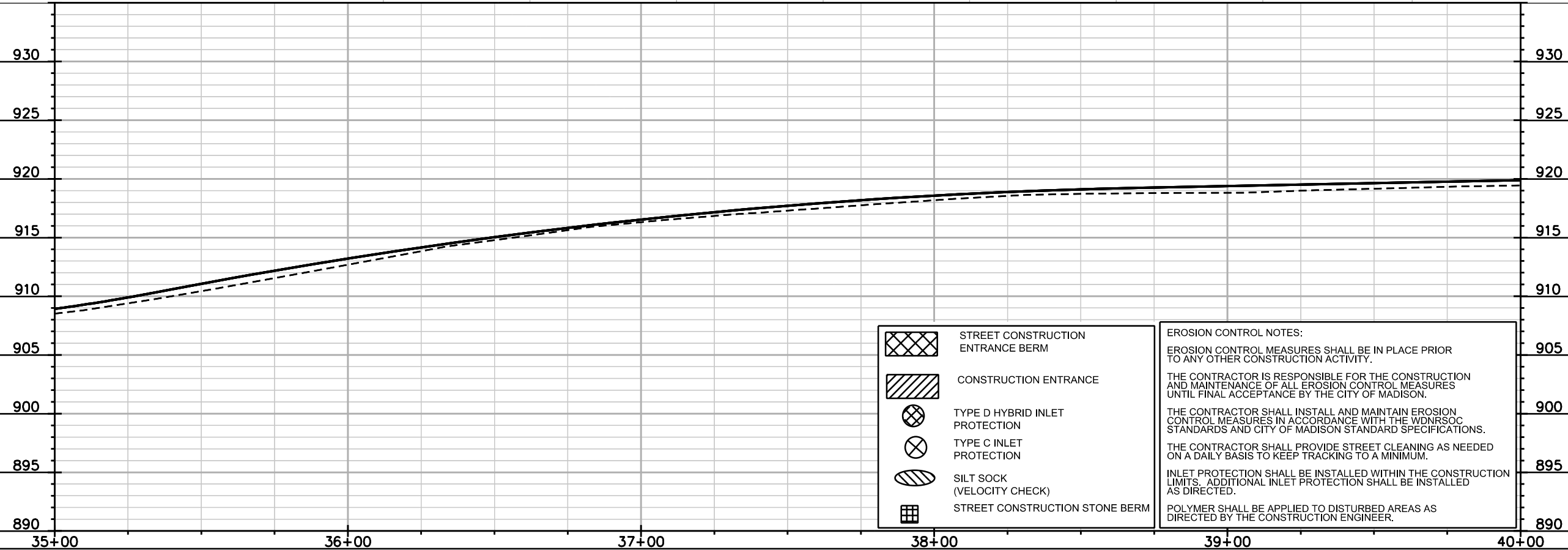
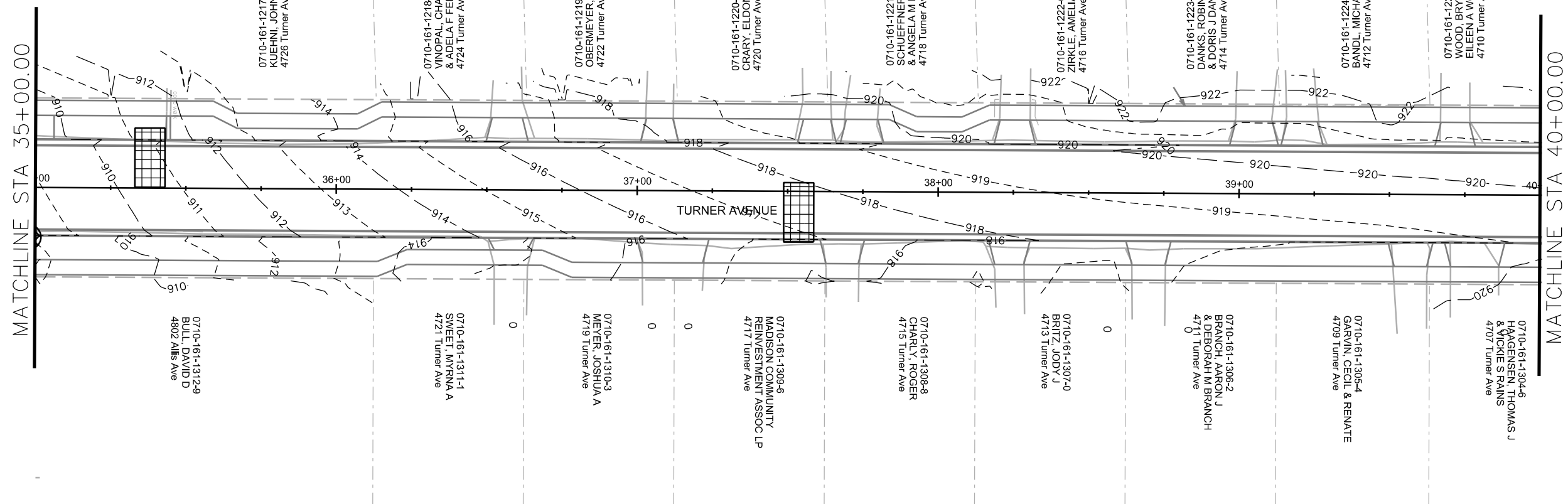


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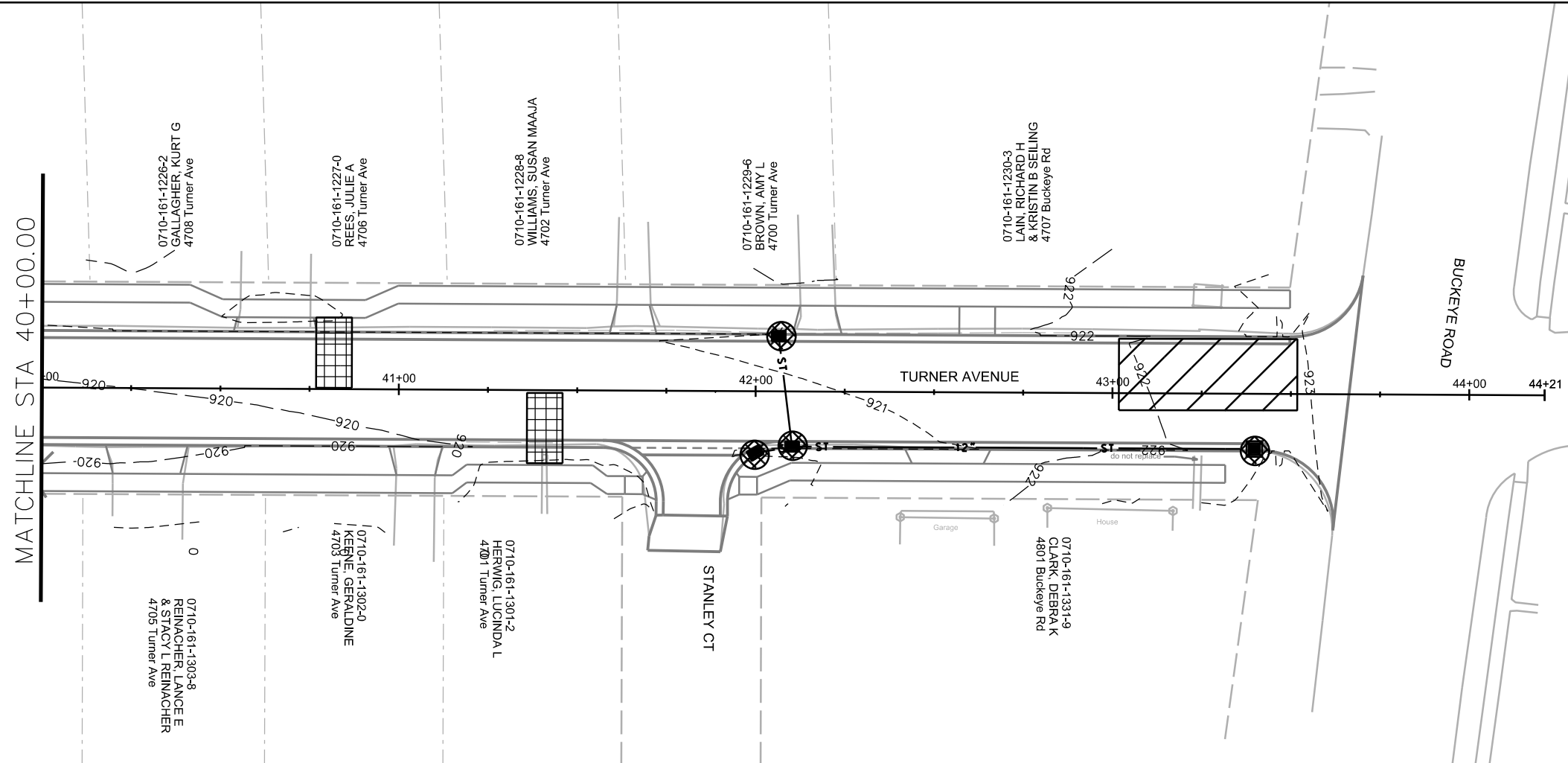
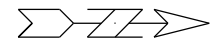
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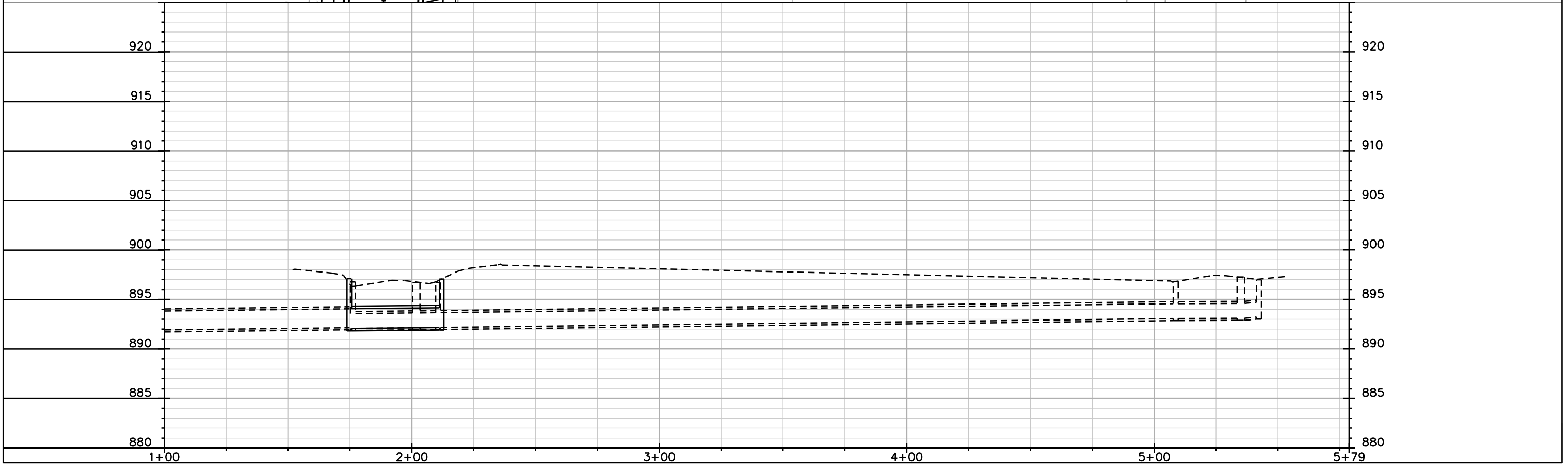
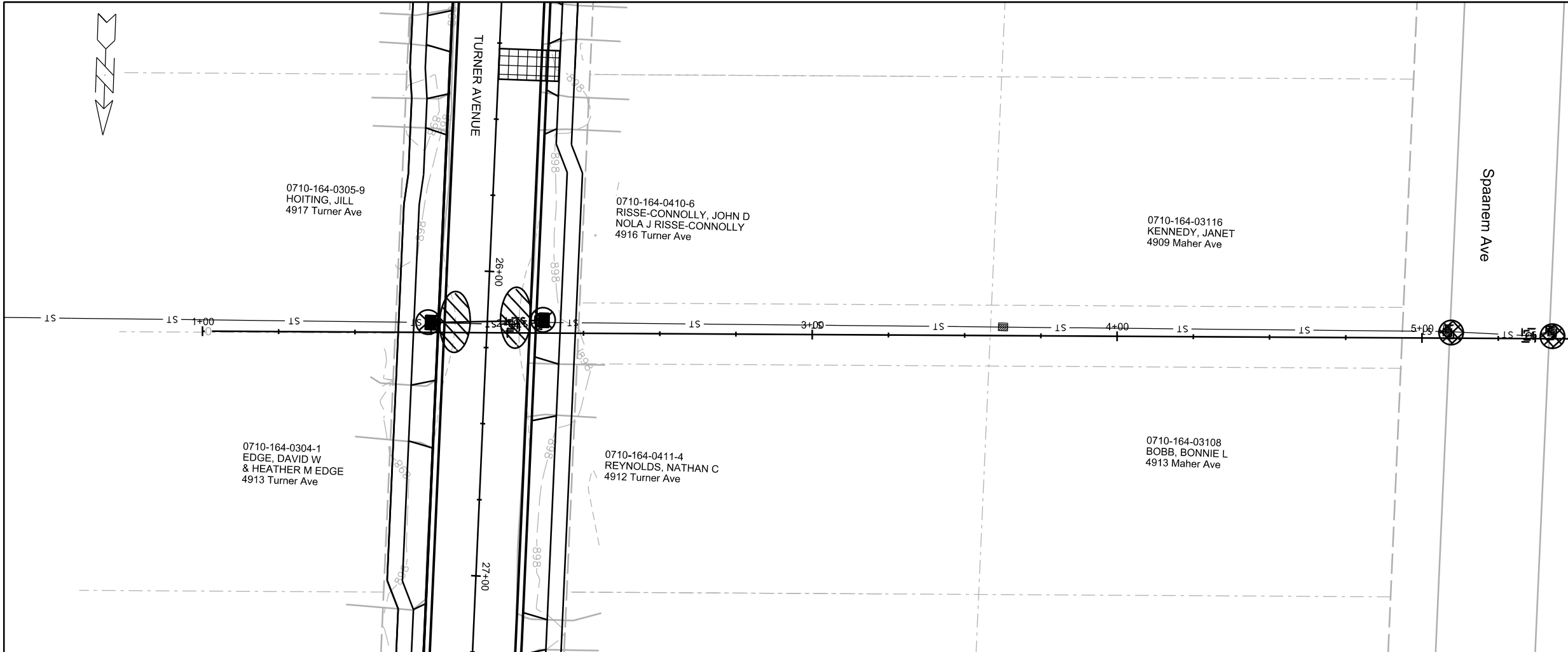


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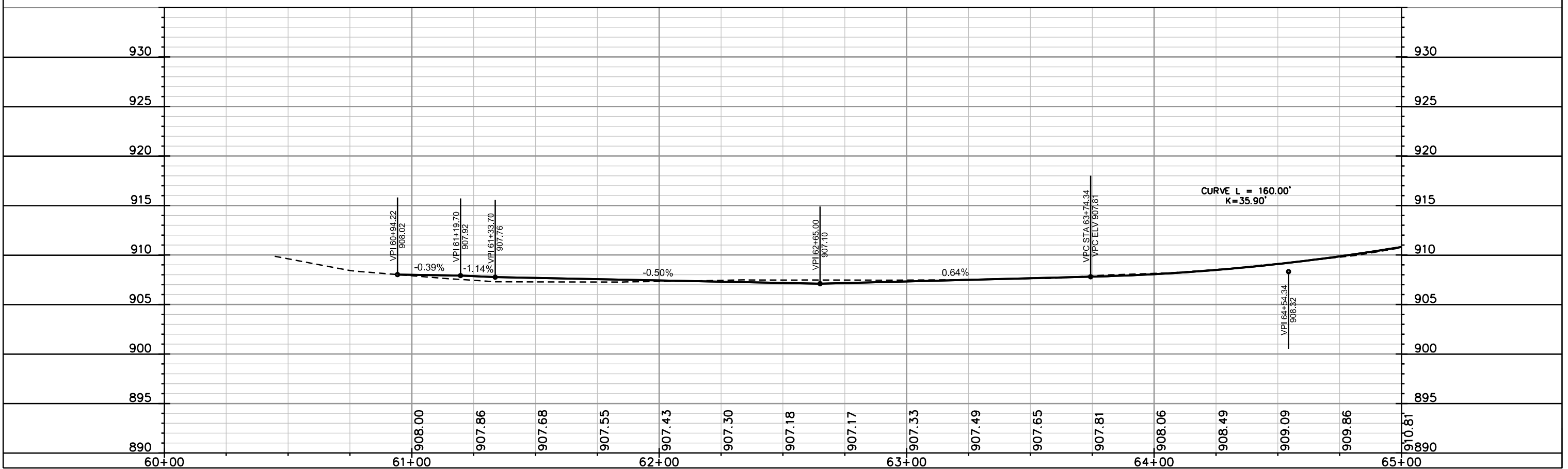
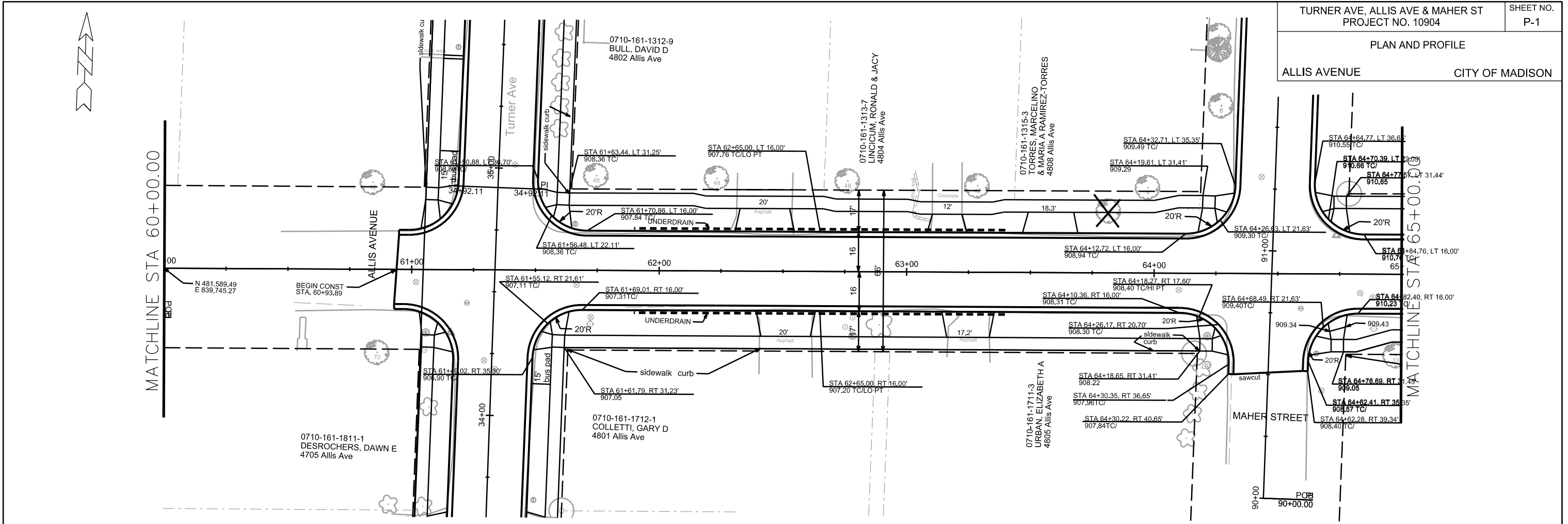


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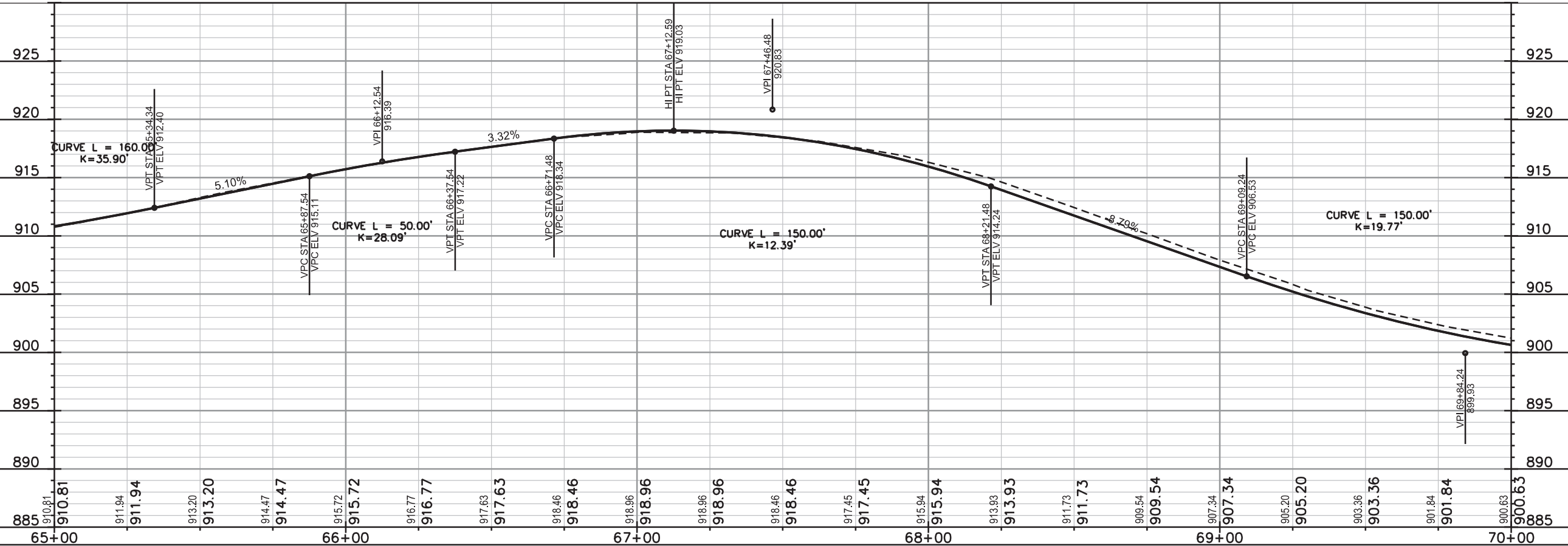
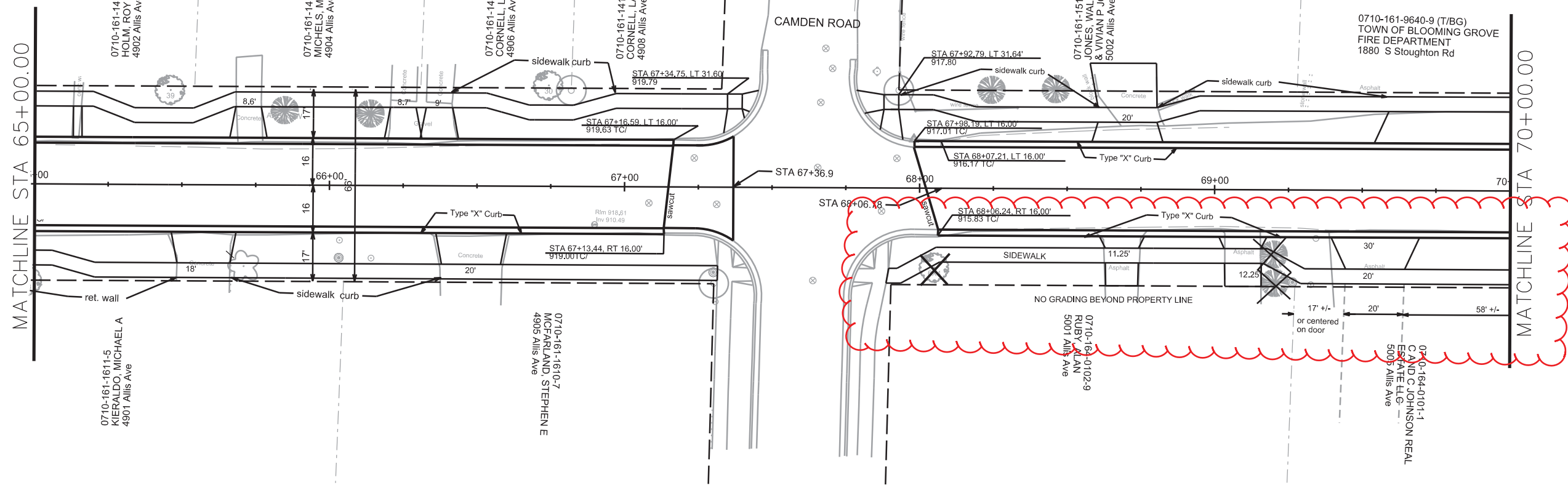
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SW Alignment



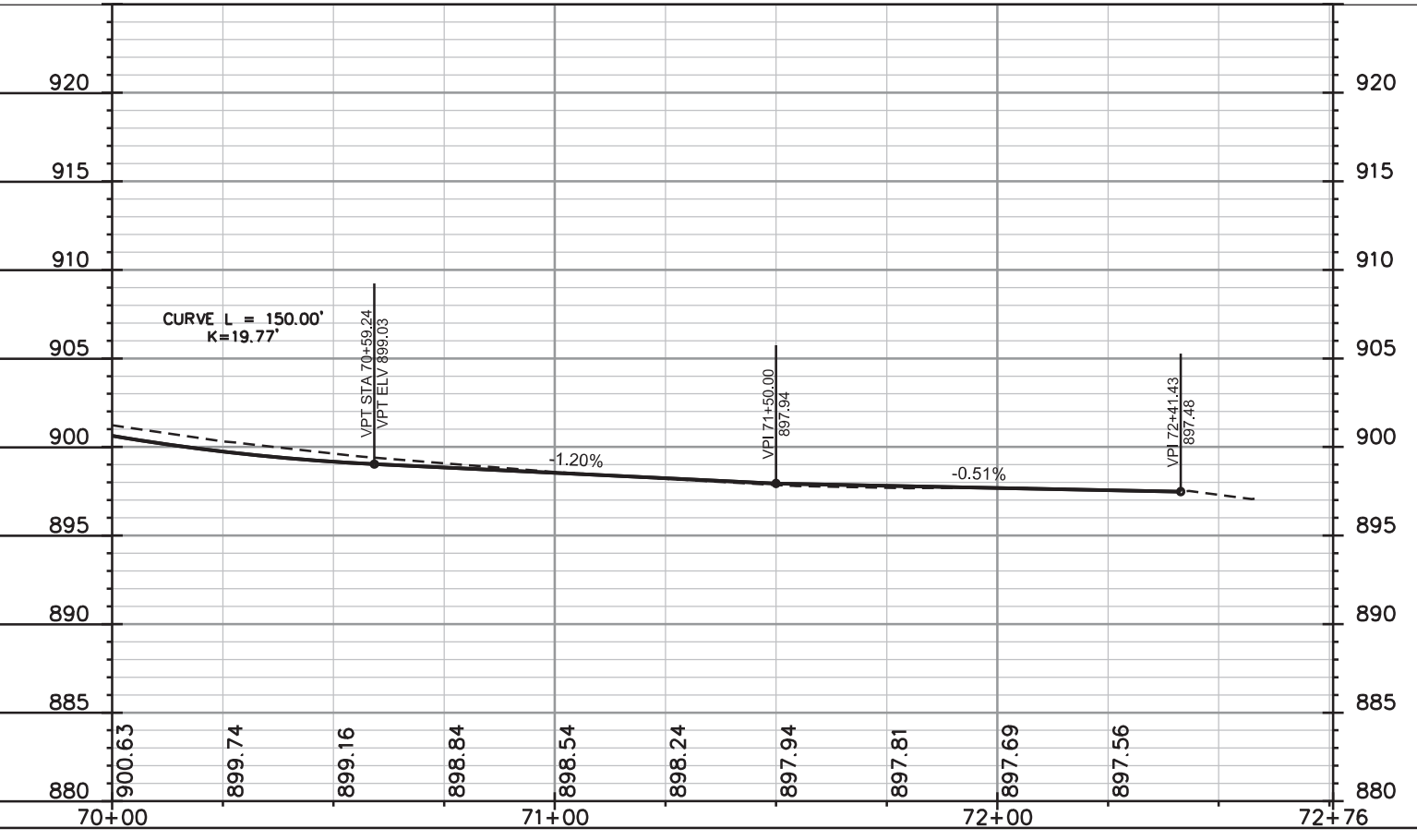
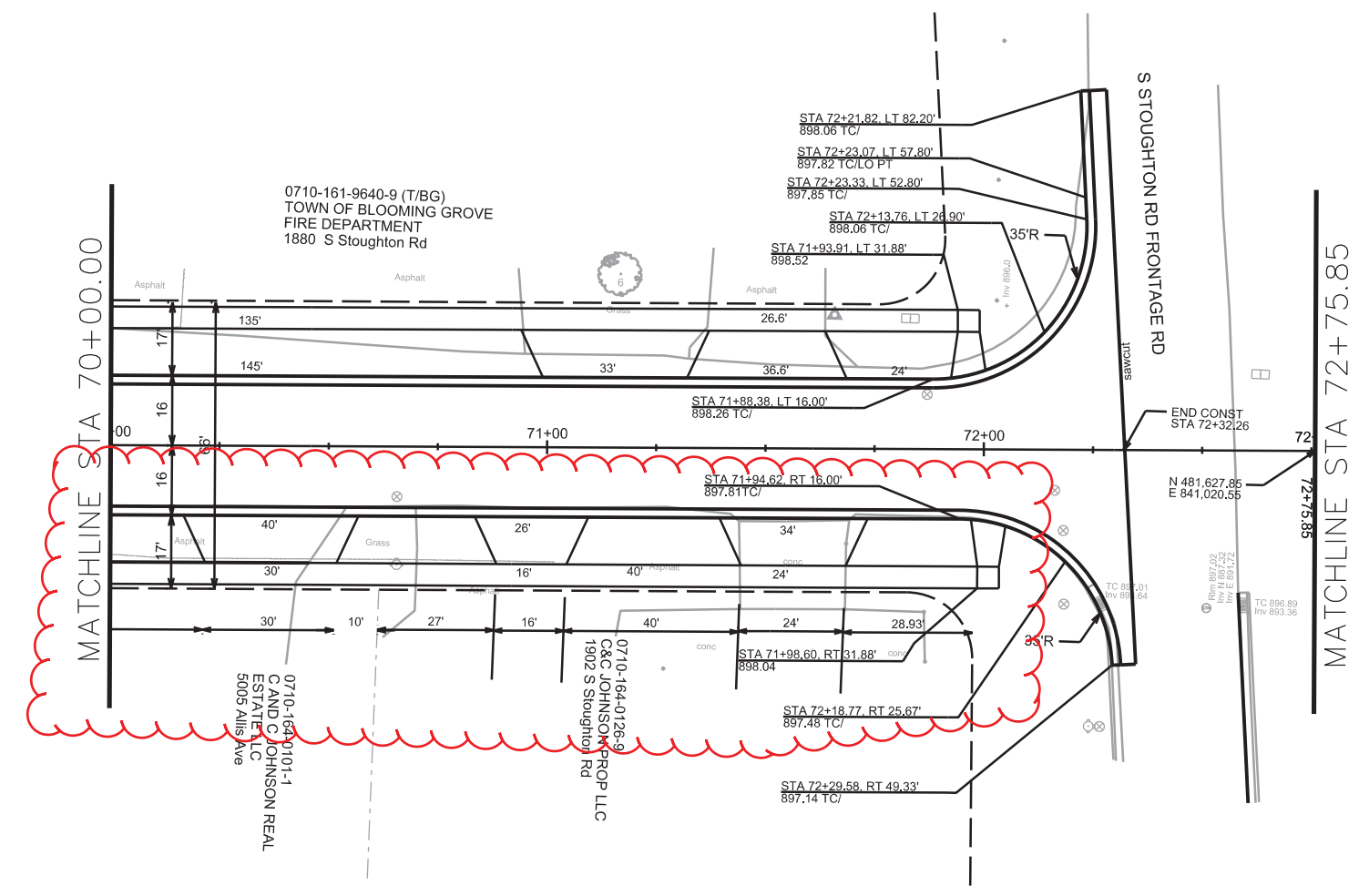
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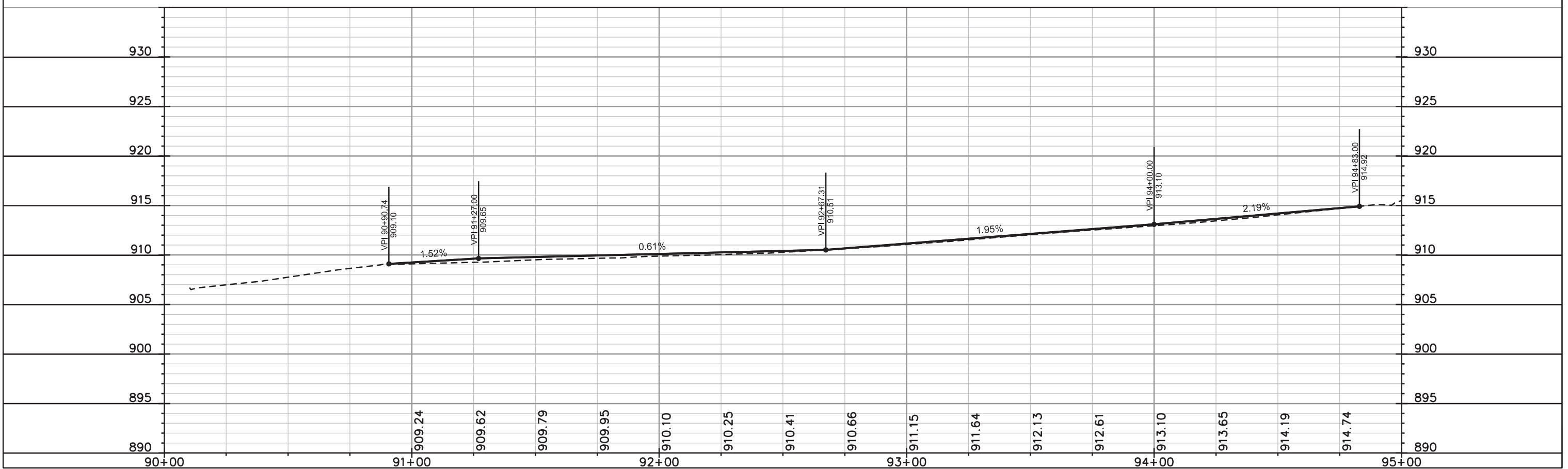
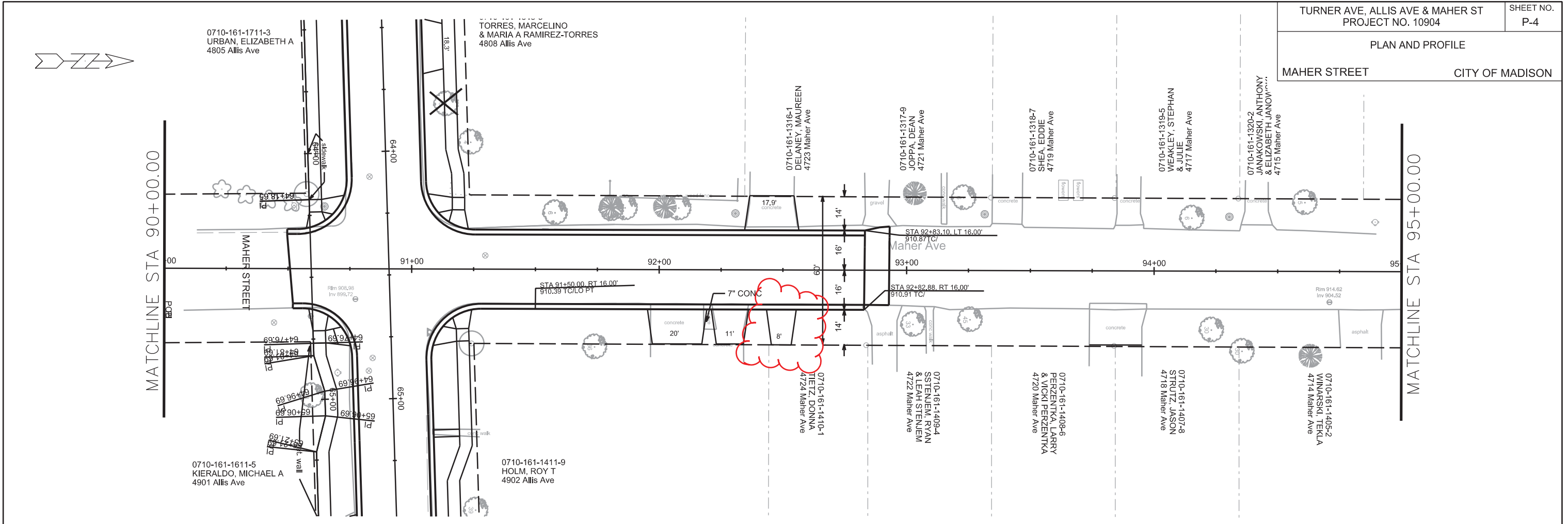
REV 6/9/16 LKH



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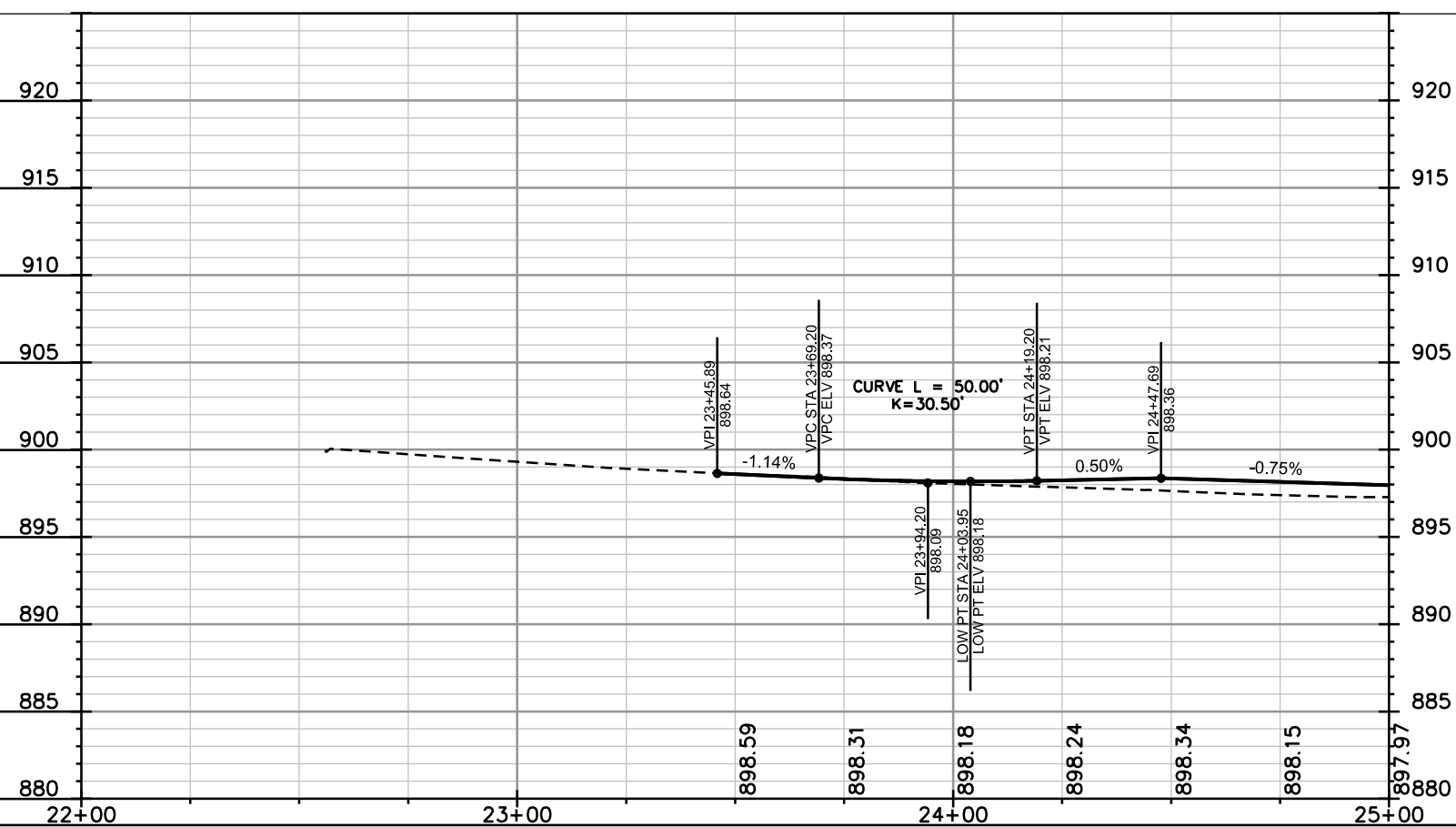
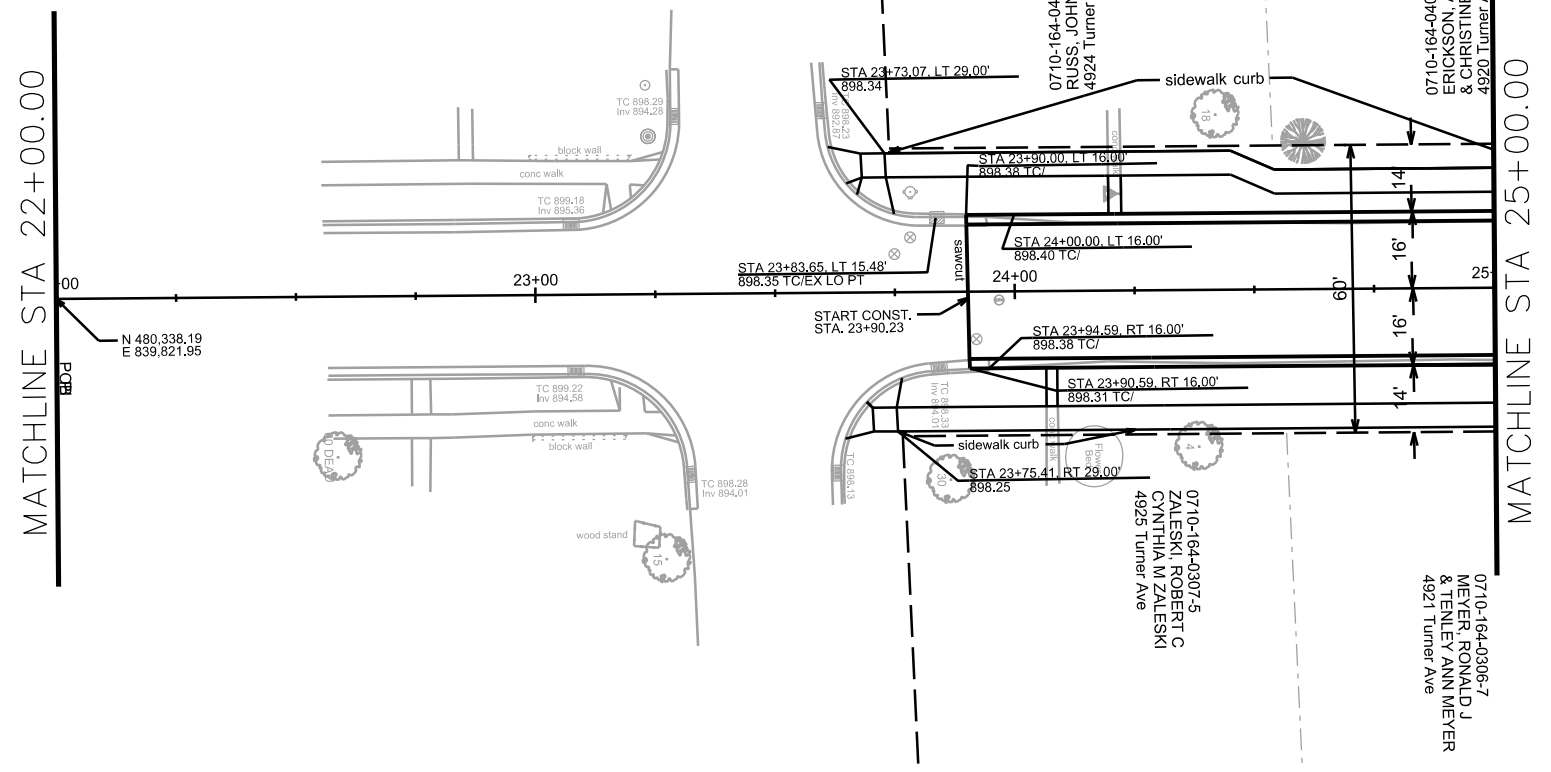


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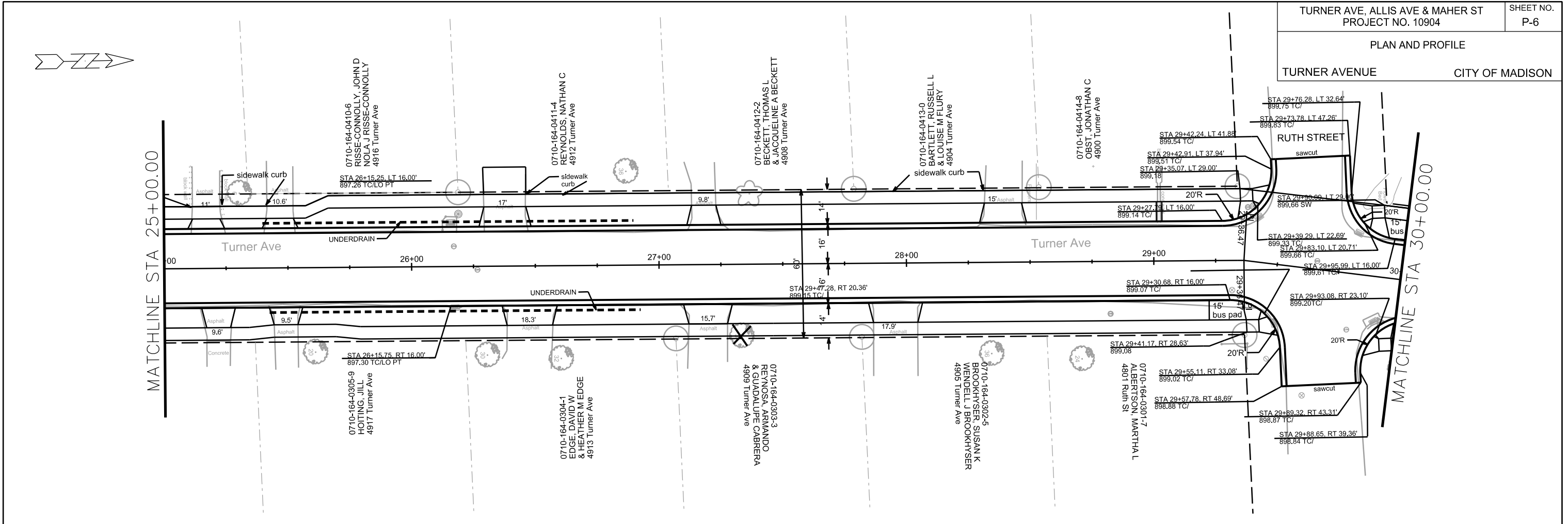


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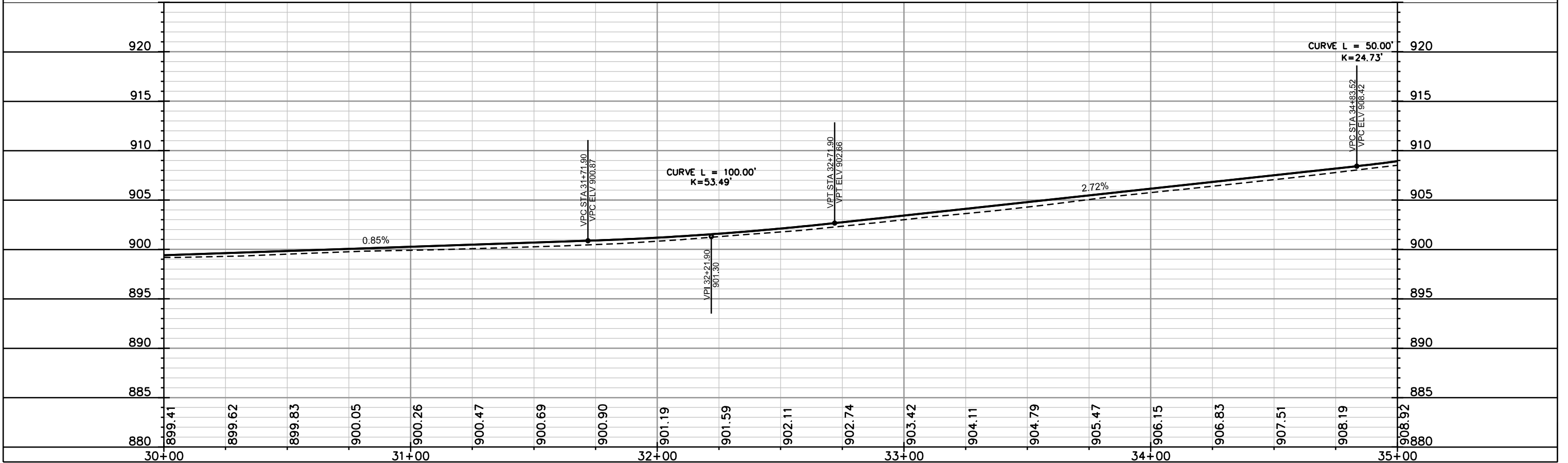
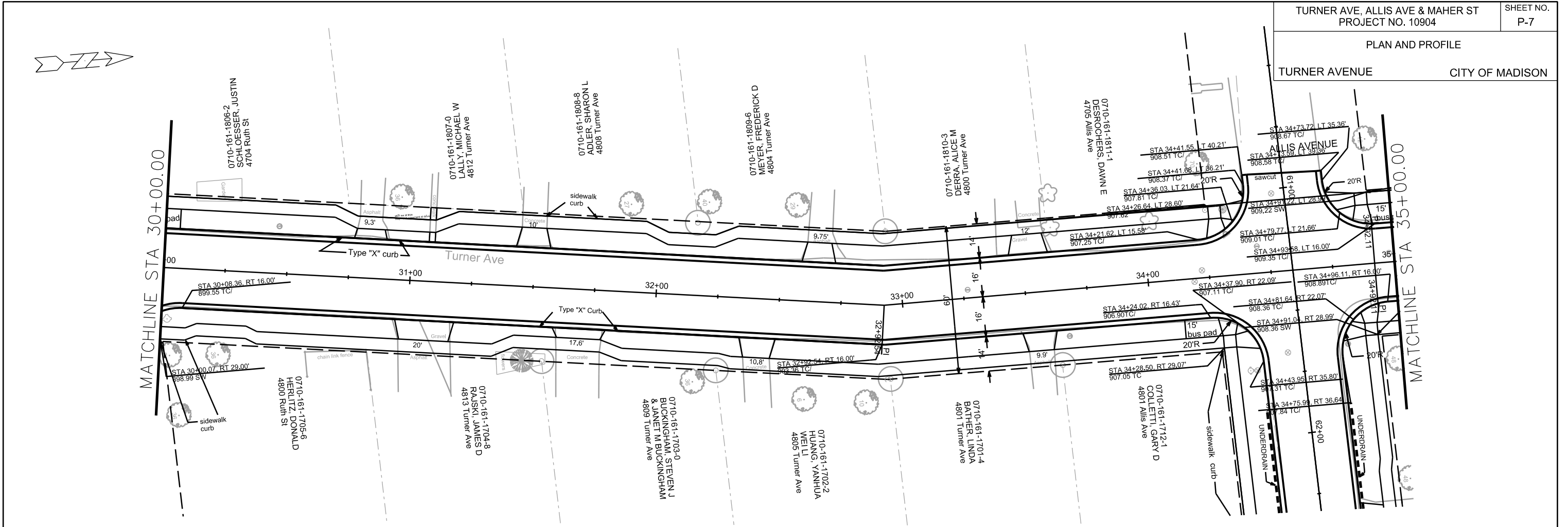


REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLAN AND PROFILE

TURNER AVENUE CITY OF MADISON

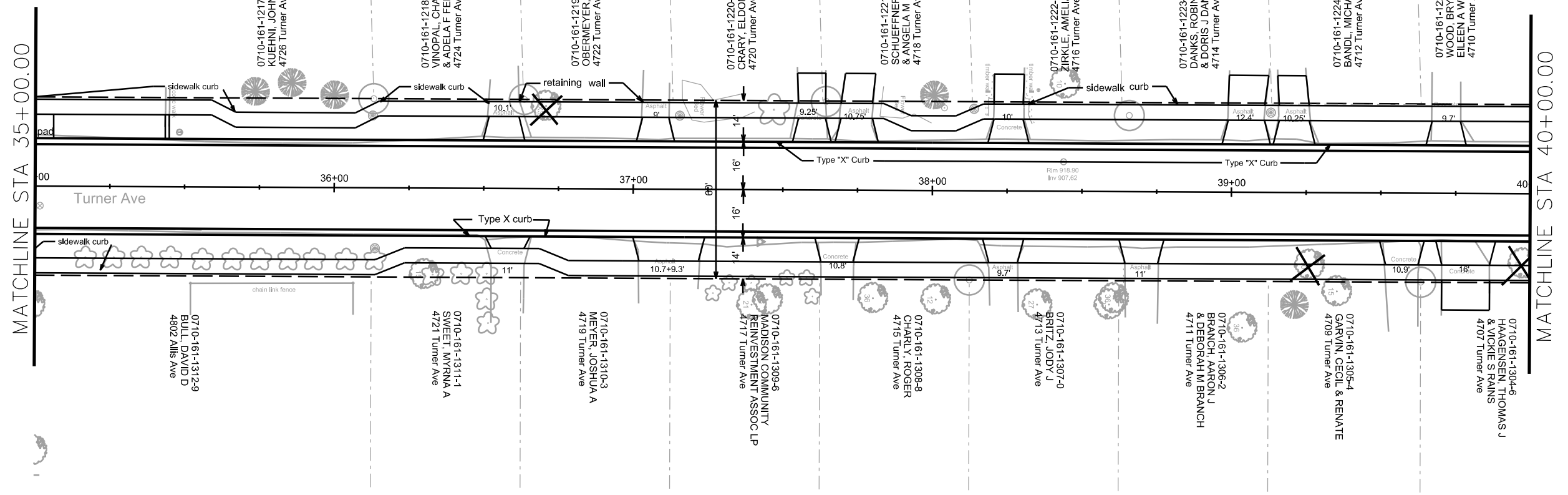


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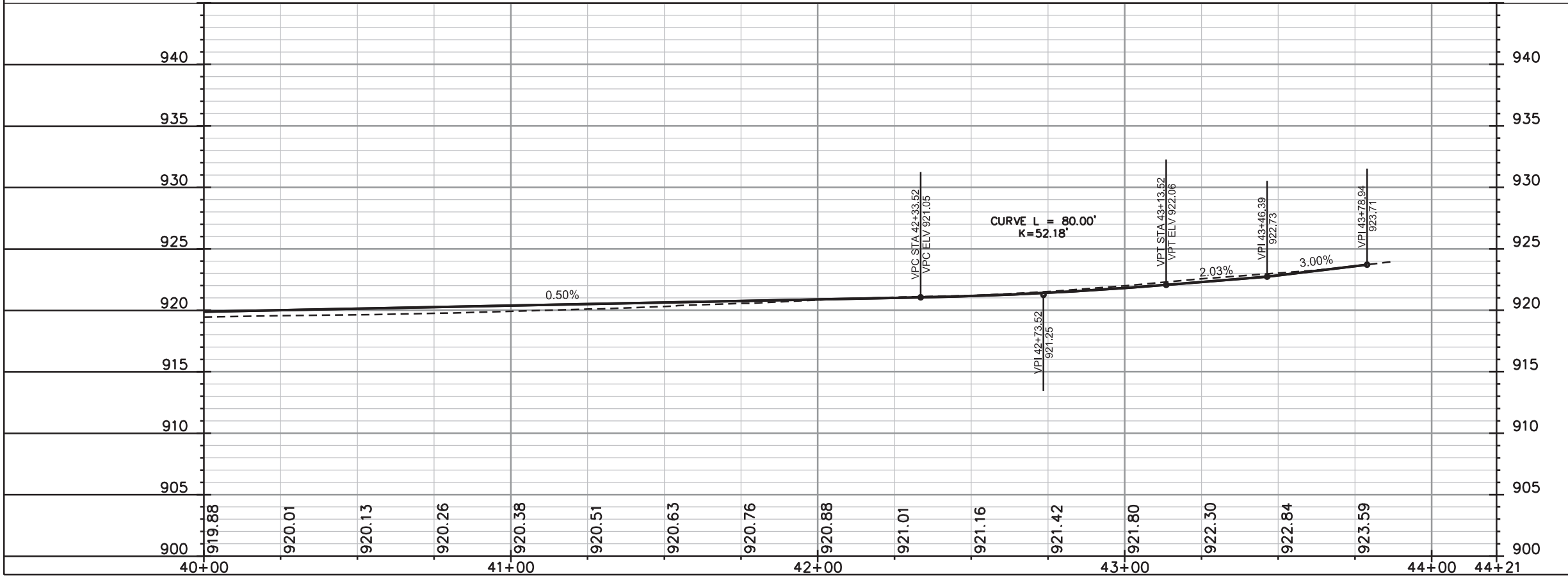
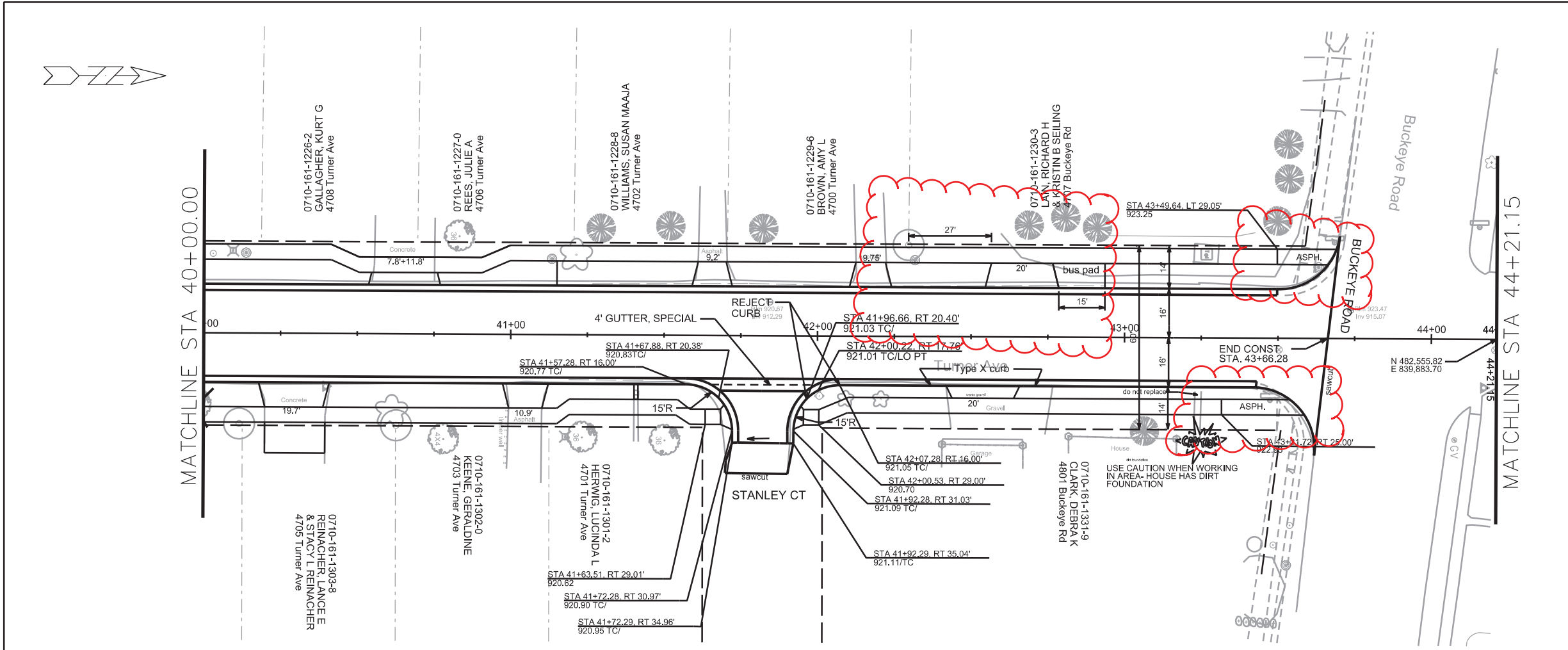
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

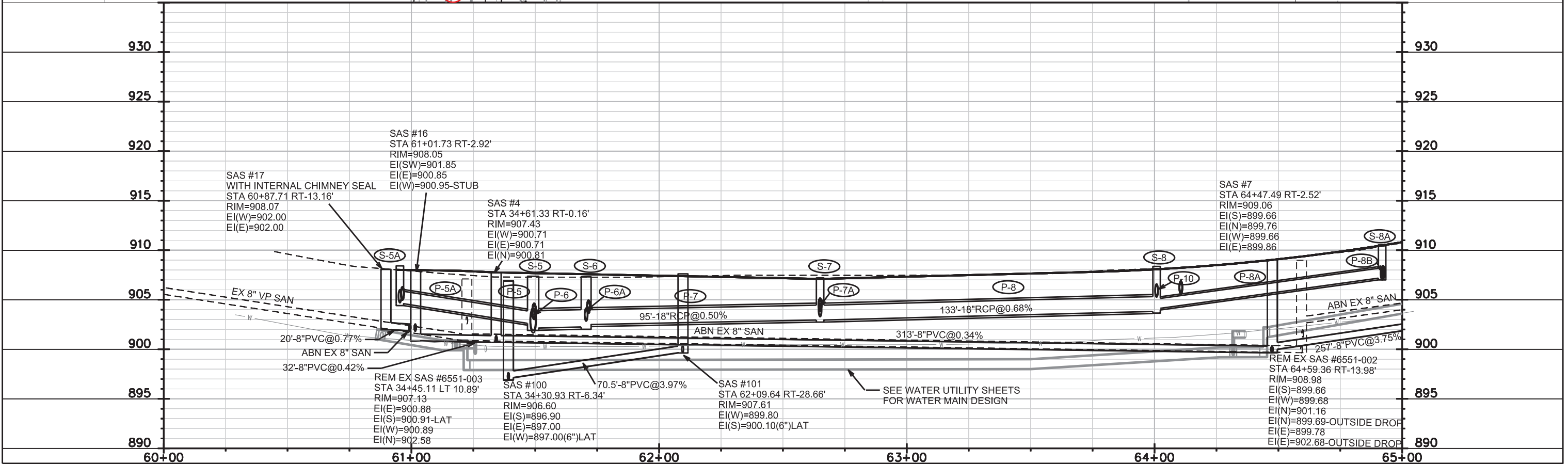
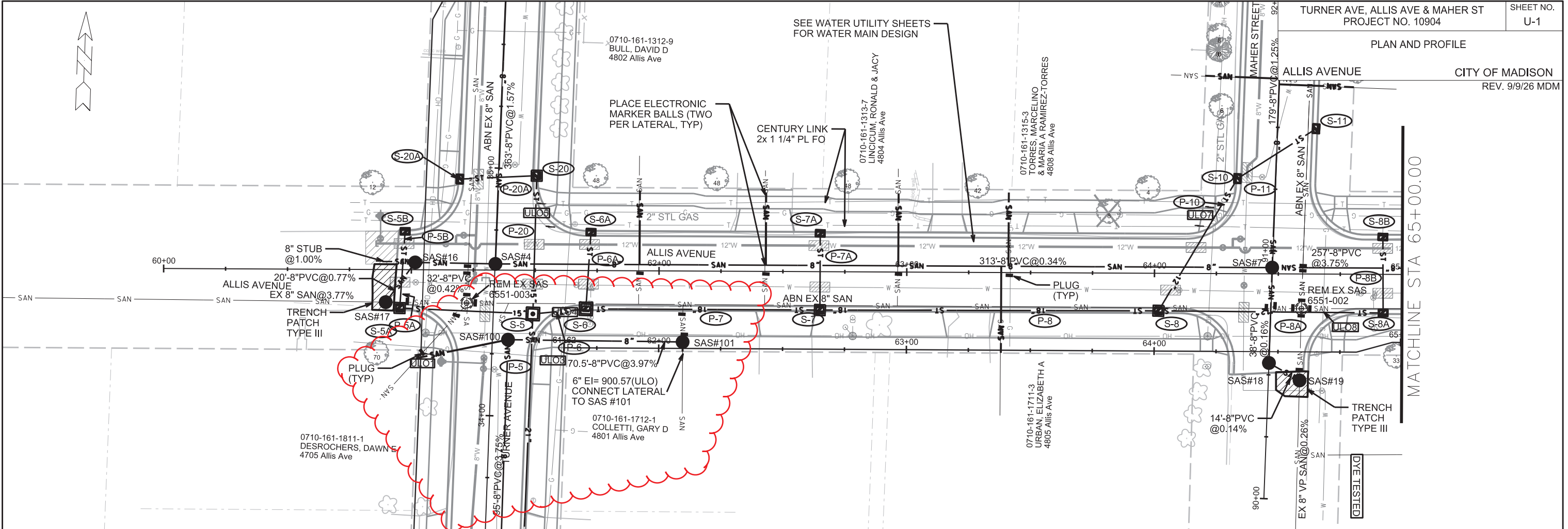


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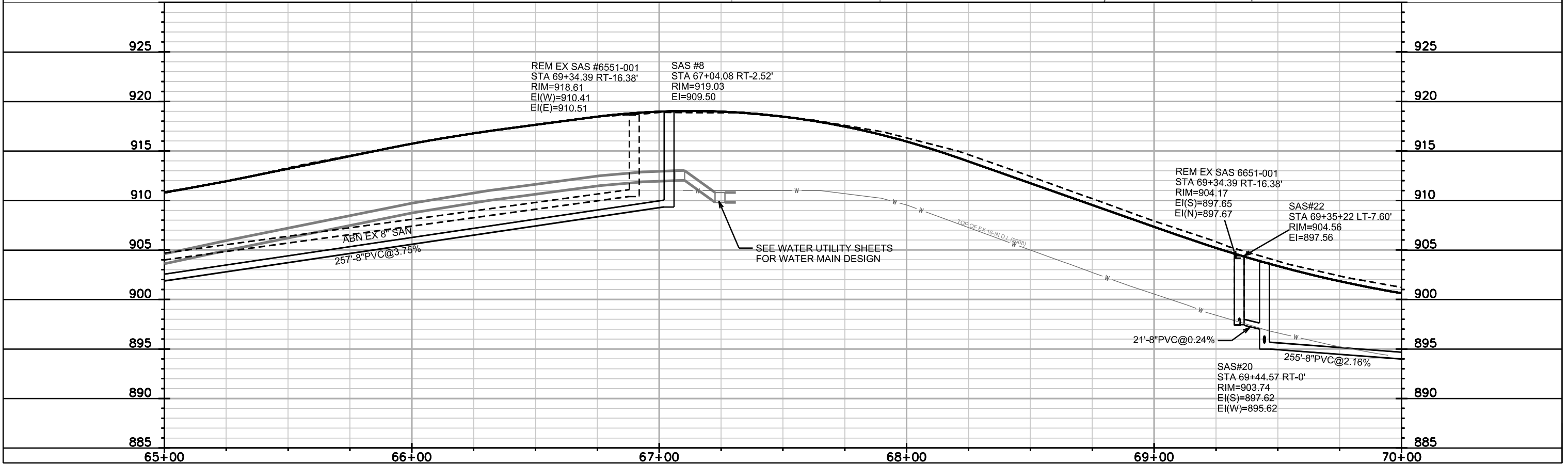
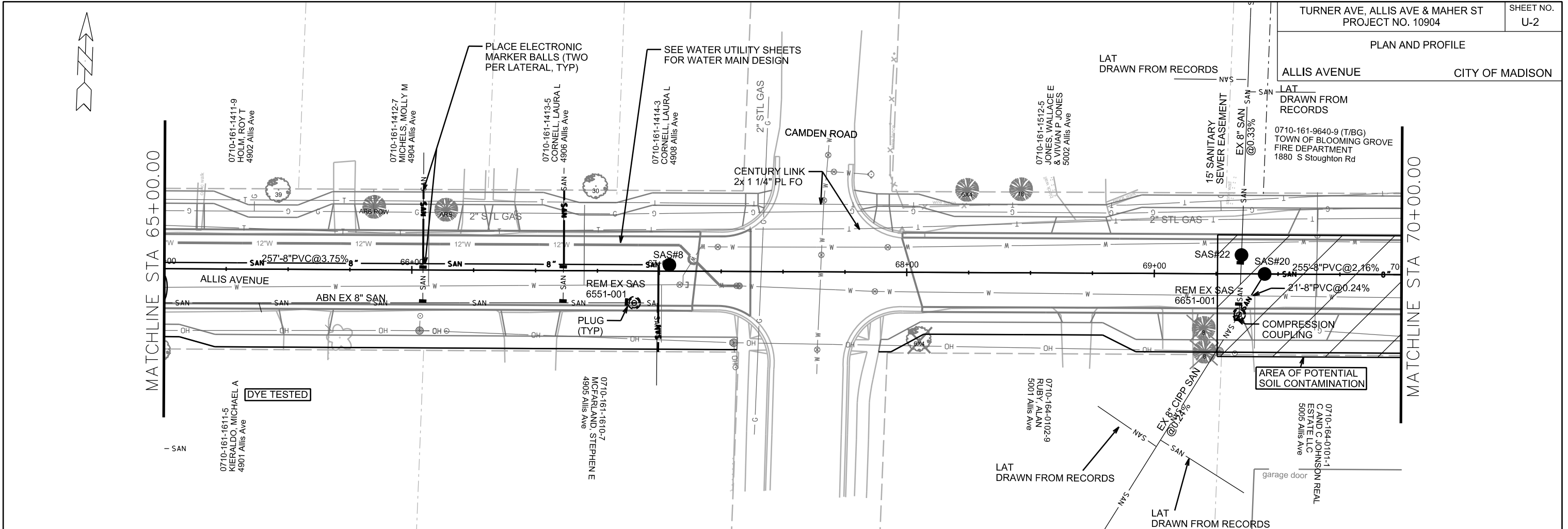
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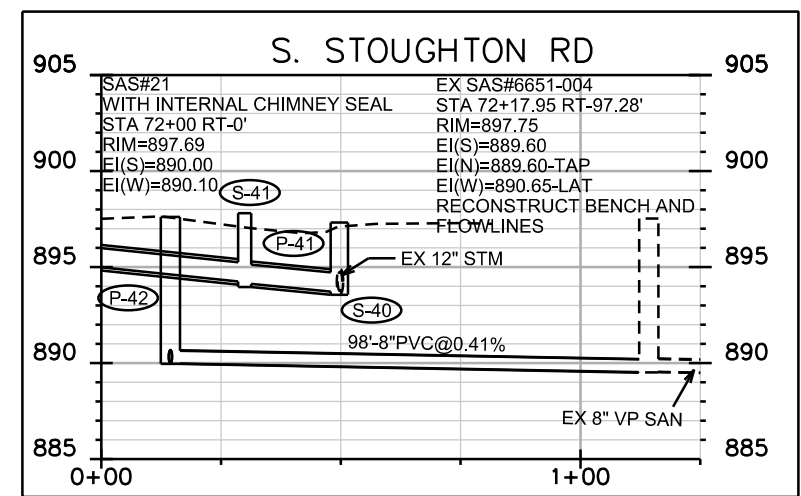
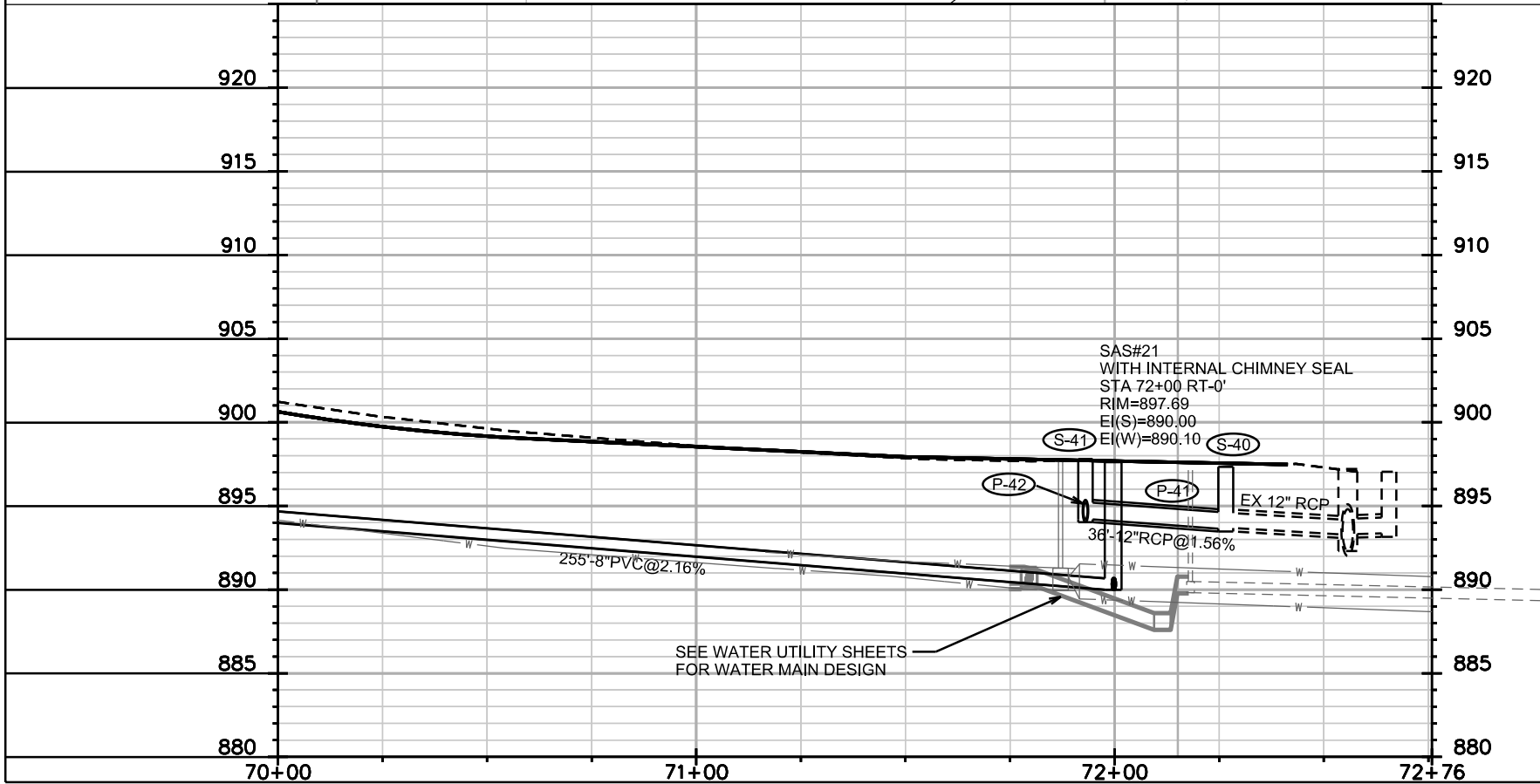
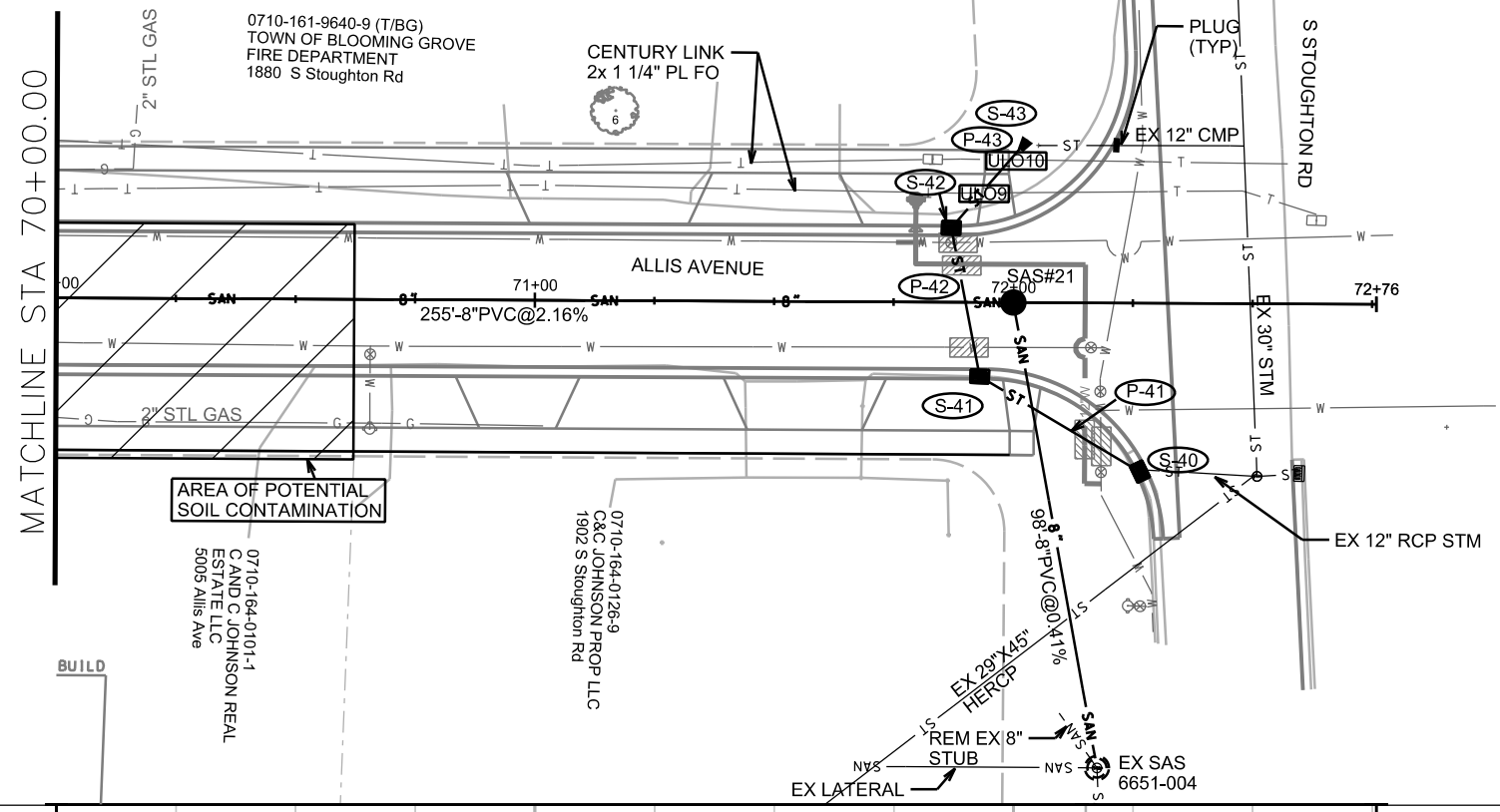
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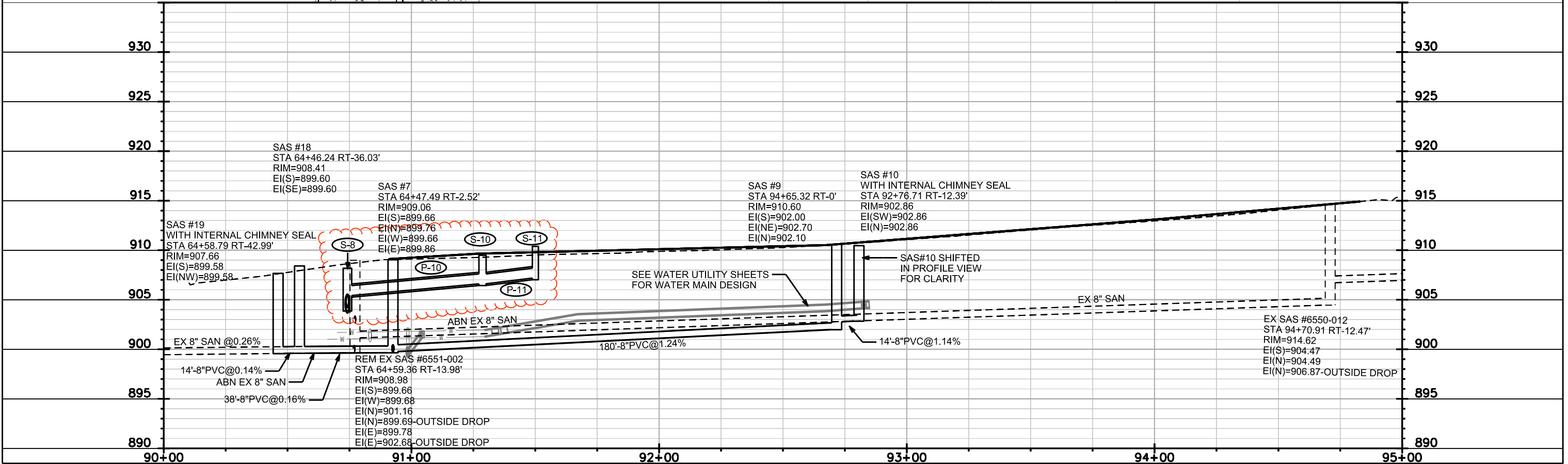
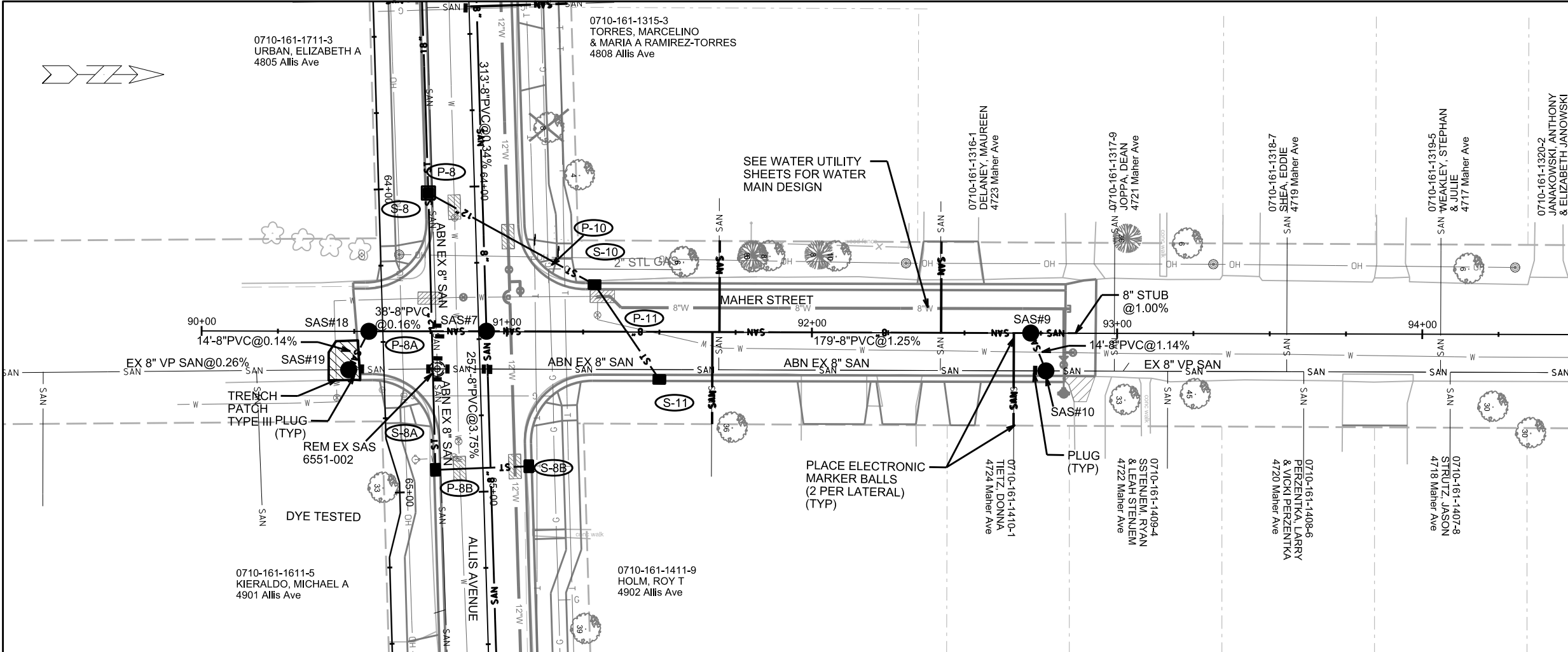


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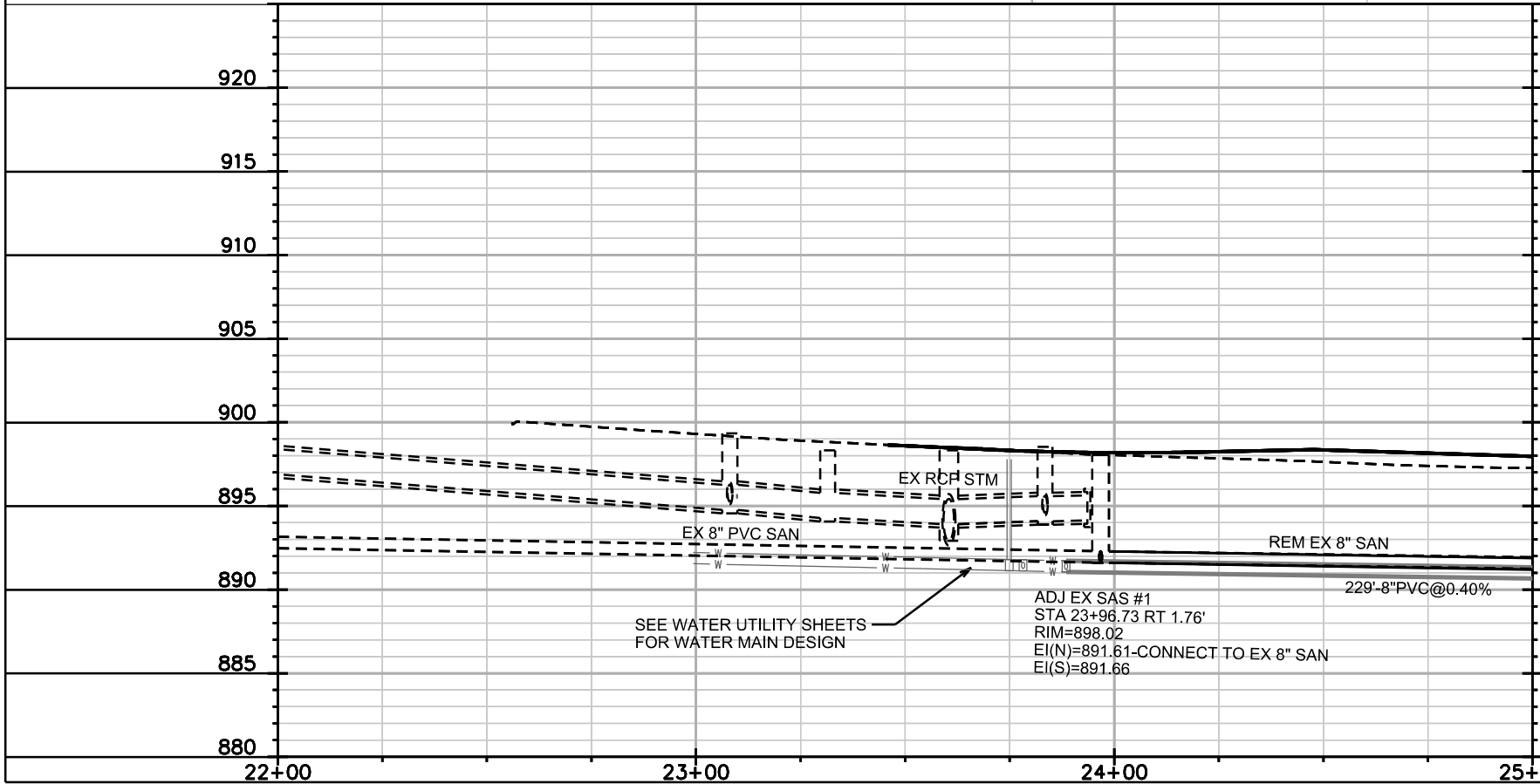
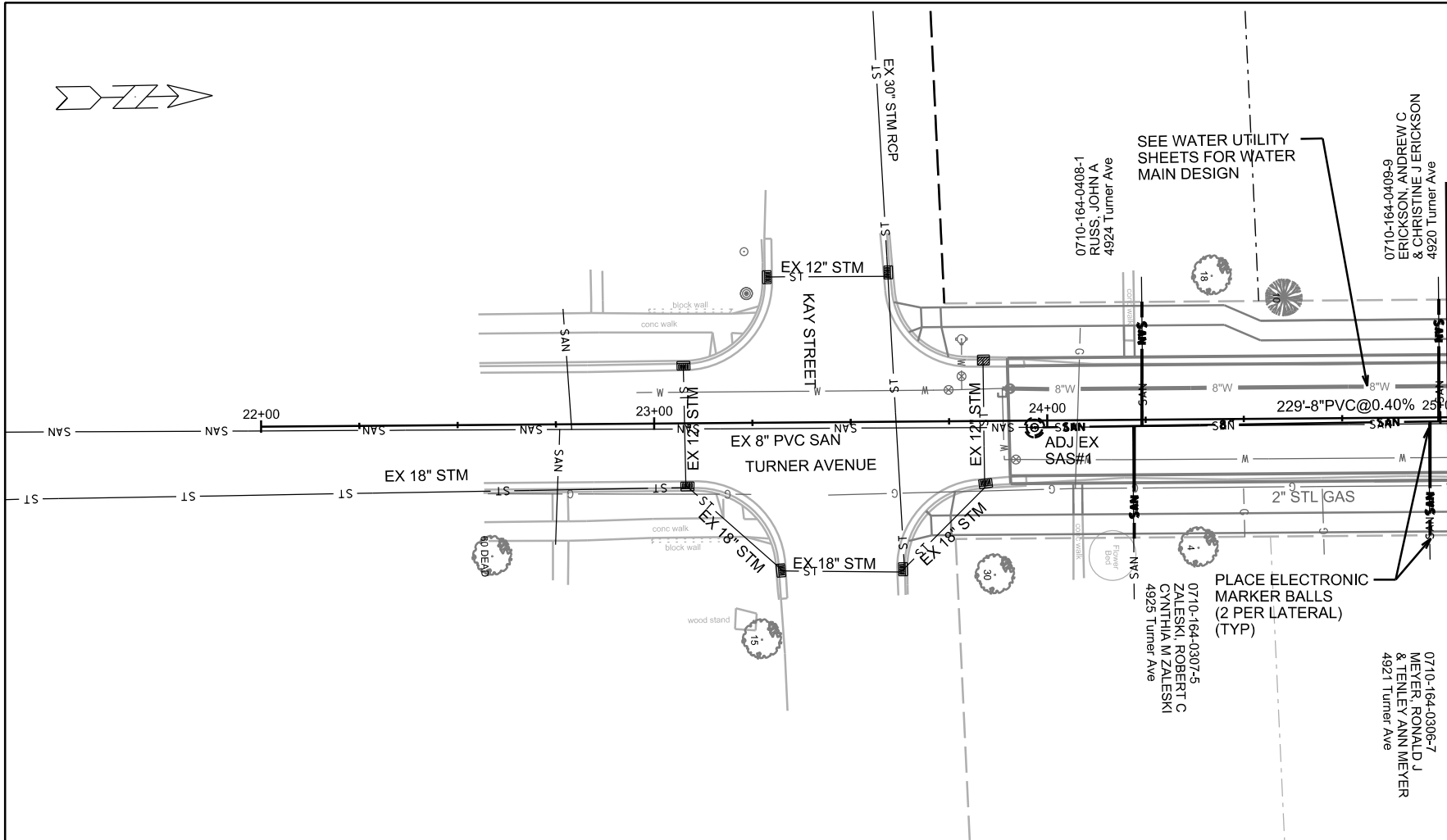
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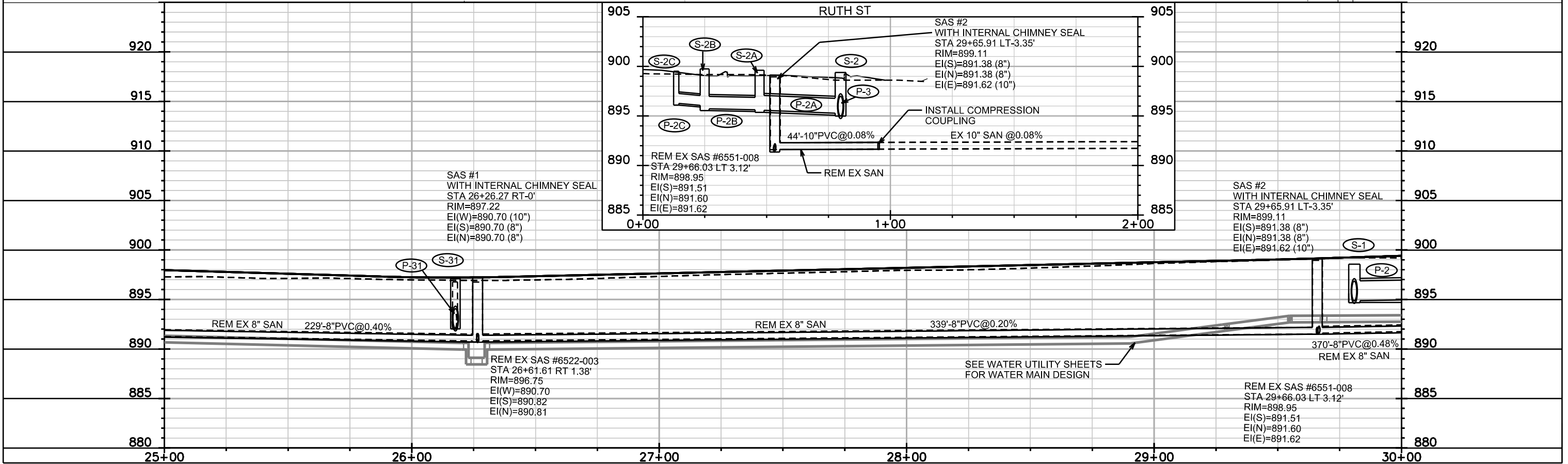
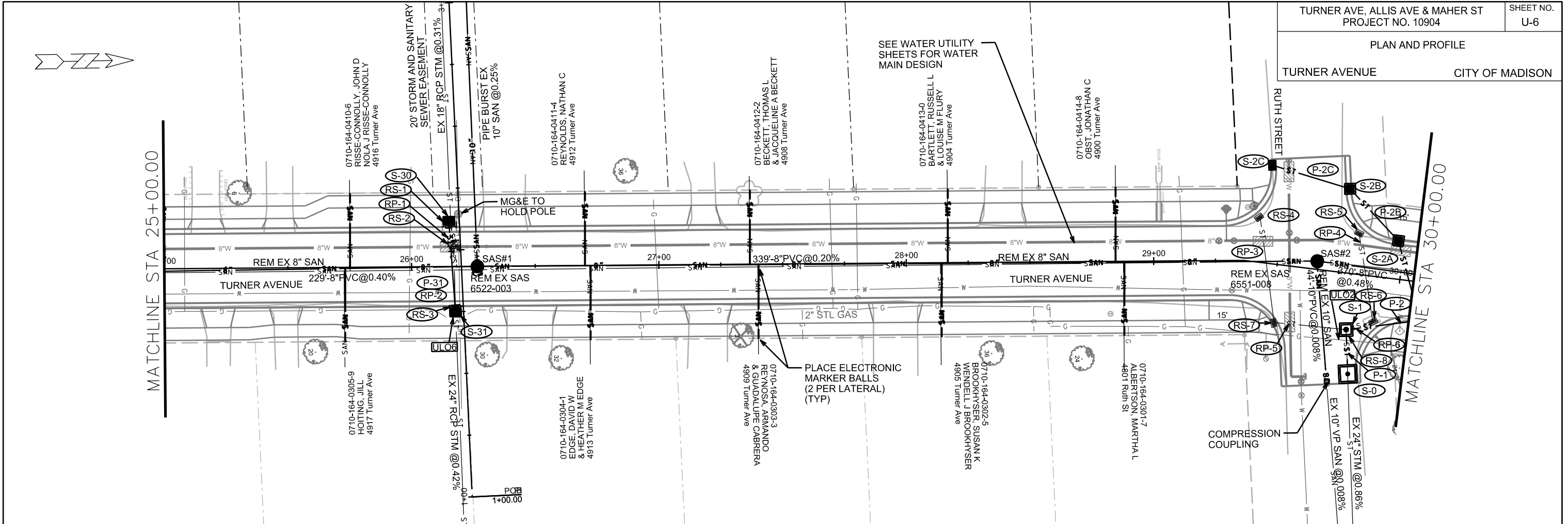


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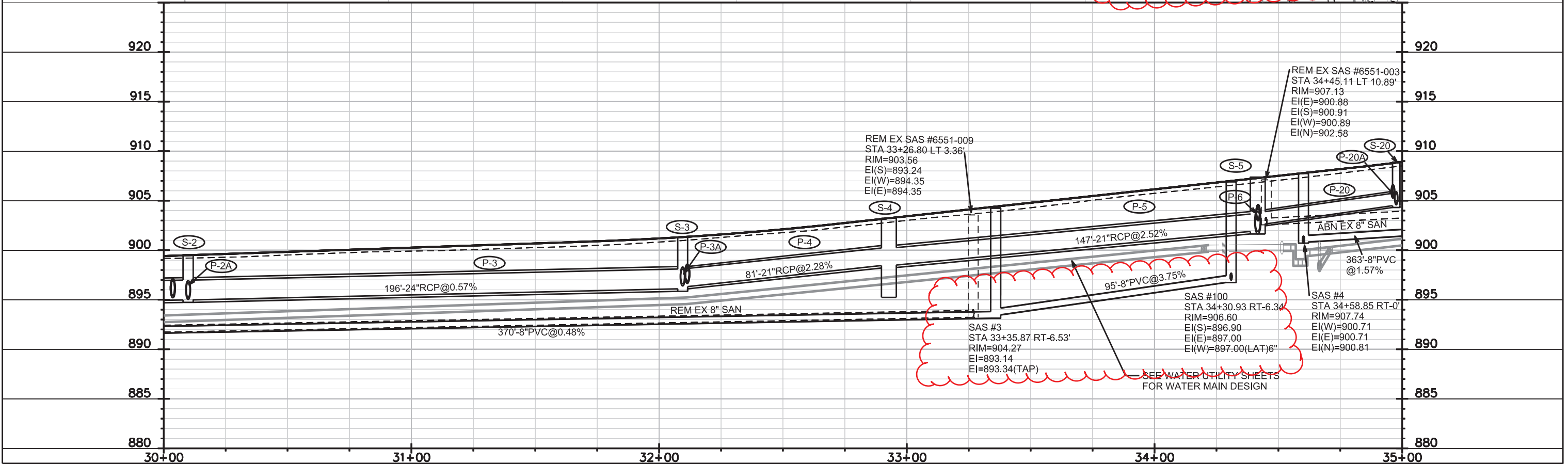
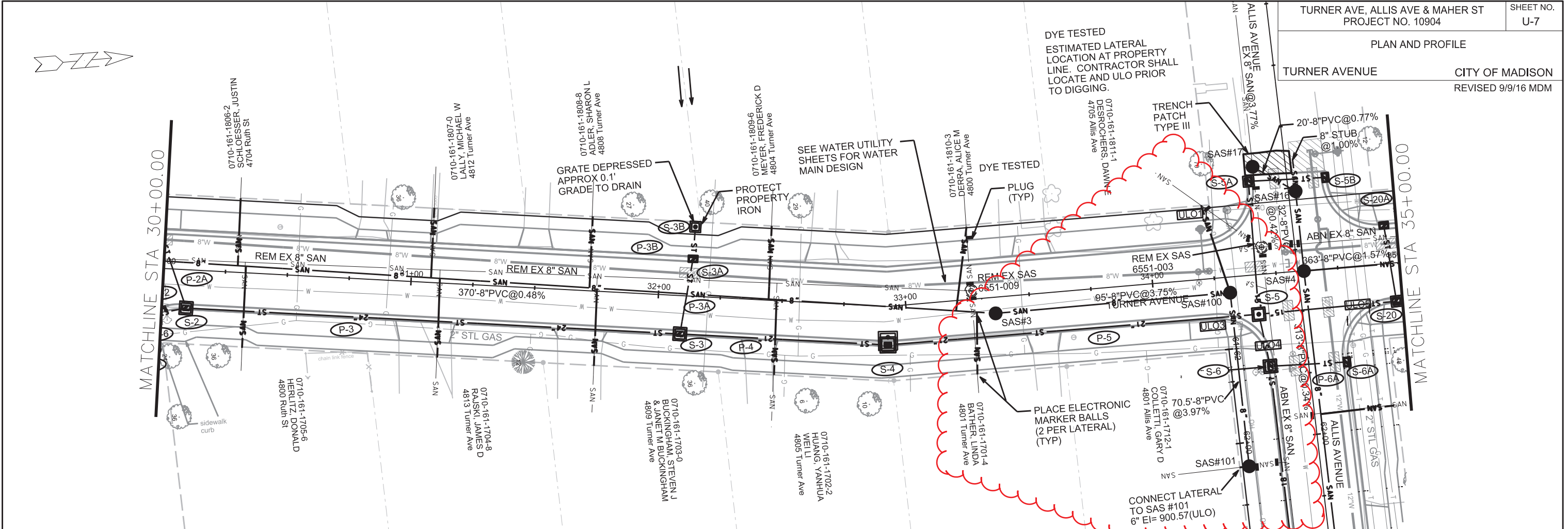
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



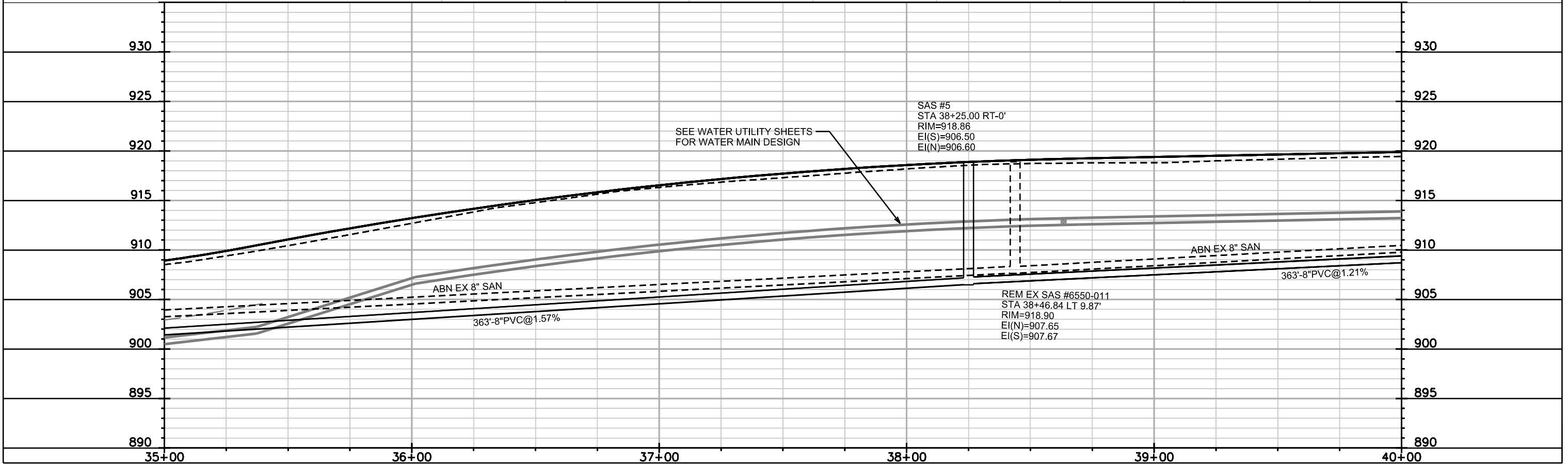
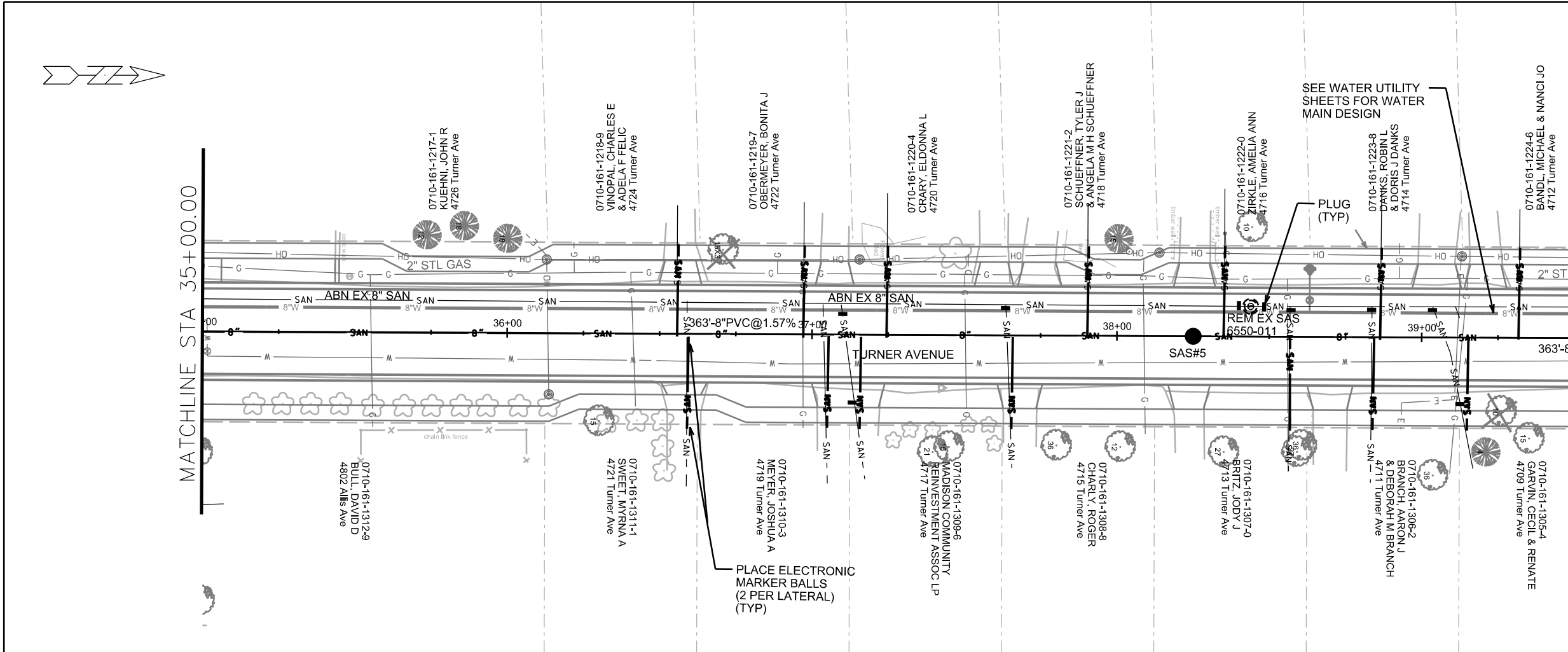
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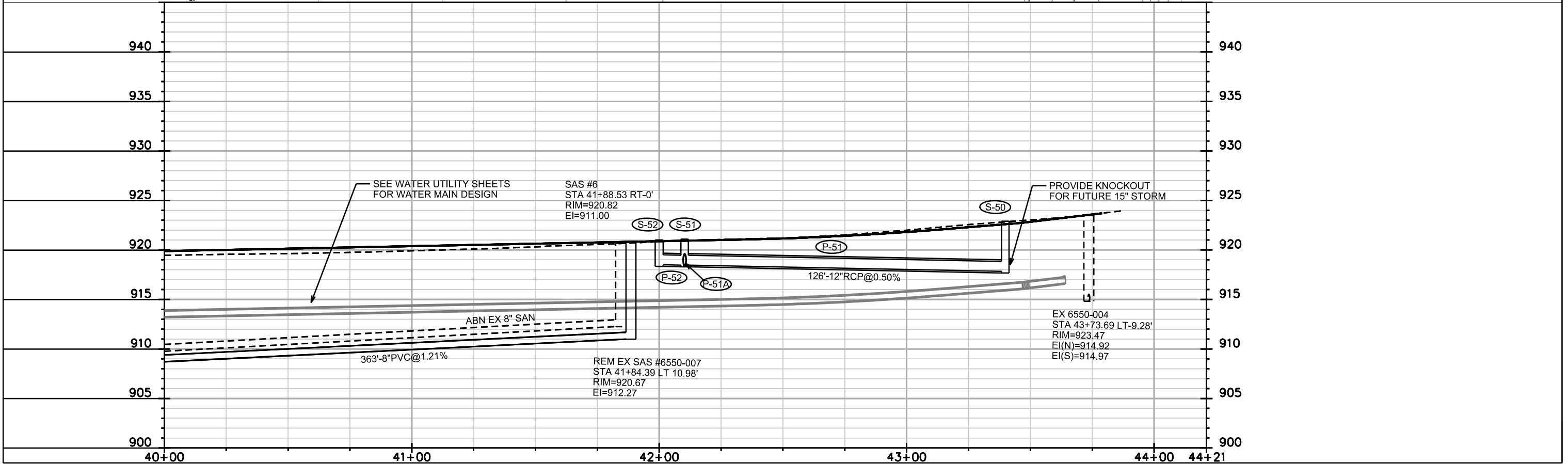
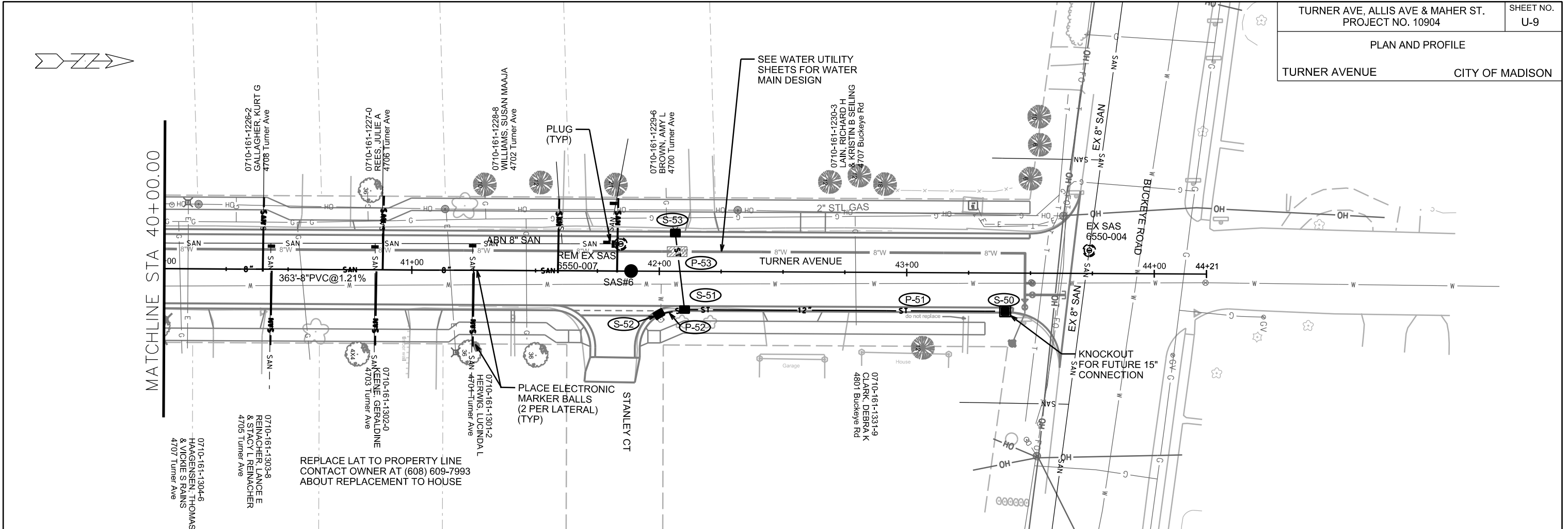
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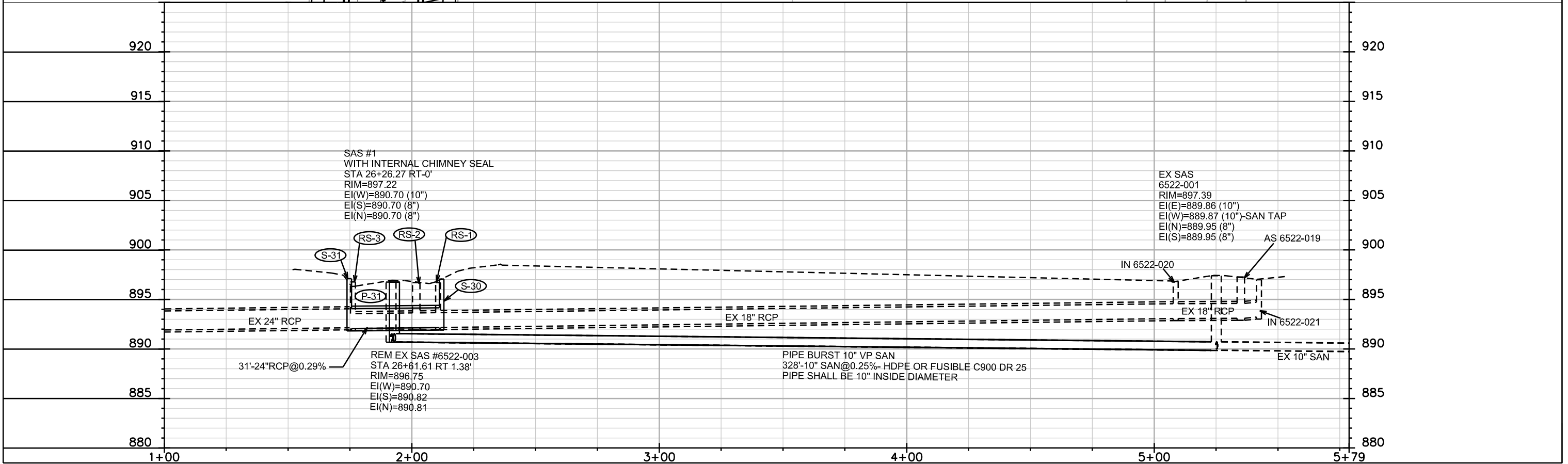
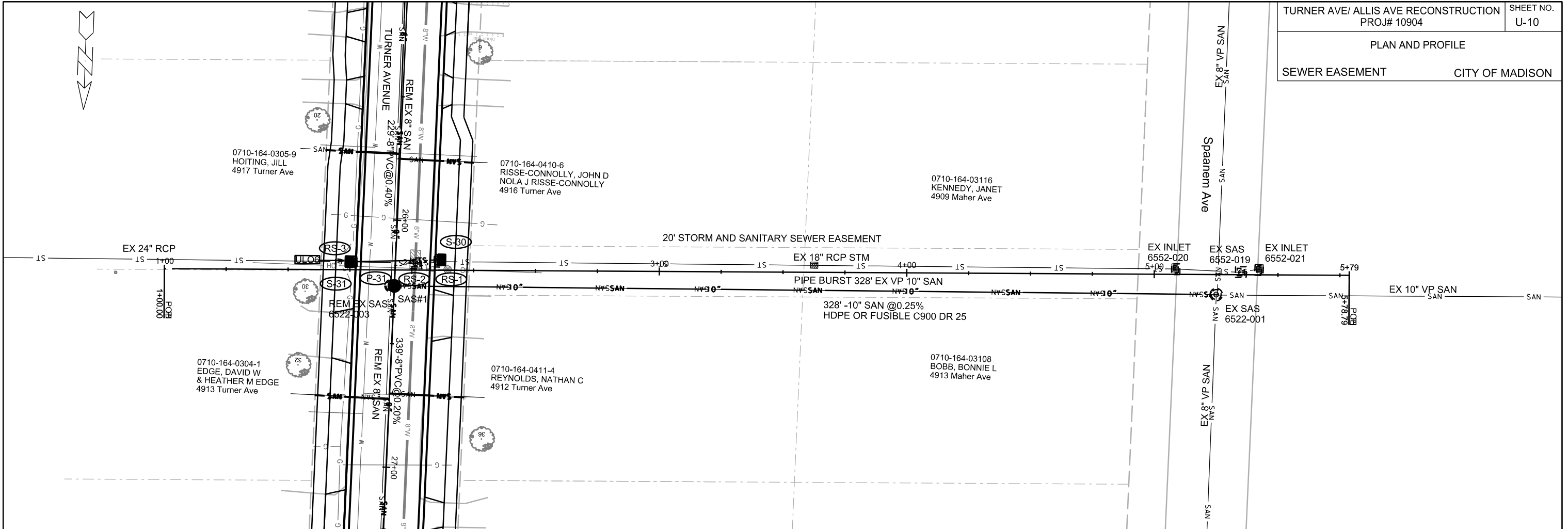


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PLOT SCALE: _____
 PLOT NAME: _____
 REV. DATE: _____
 ORIGINATOR: CITY OF MADISON, STREETS DIVISION

SANITARY SEWER SCHEDULE

TURNER AND ALLIS ST RECONST

SHEET NO.

PROJECT NO. 10904

U-11

SANITARY SEWER SCHEDULE

CITY OF MADISON

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
TURNER AVE						
EX SAS#1	23+96.73	RT-1.76	898.02	891.61	6.41	
SAS #1	26+26.27	RT-0	897.22	890.70	6.52	W/ INTERNAL CHIMNEY SEAL
SAS #2	29+65.91	LT-3.35	899.11	891.38	7.73	W/ INTERNAL CHIMNEY SEAL
SAS #3	33+35.87	RT-6.53	904.27	893.14	11.13	
SAS #4	34+61.33	RT-.16	907.43	900.71	6.72	
SAS #5	38+25.00	RT-0	918.86	906.50	12.36	
SAS #6	41+88.53	RT-0	920.82	911.00	9.82	
SAS #100	34+30.93	RT-6.34	906.60	896.90	9.70	
ALLIS AVE						
SAS #7	64+47.49	RT-2.52	909.06	899.66	9.40	
SAS #8	67+04.08	RT-2.52	919.03	909.50	9.53	
SAS #16	61+01.73	LT-2.92	908.05	900.85	7.20	
SAS #17	60+87.71	RT-13.16	908.07	902.00	6.07	W/ INTERNAL CHIMNEY SEAL
SAS #18	64+46.24	RT-36.03	908.41	899.60	8.81	
SAS #19	64+58.79	RT-42.99	907.66	899.58	8.08	W/ INTERNAL CHIMNEY SEAL
SAS #20	69+44.57	RT-0	903.74	895.62	8.12	
SAS #21	72+00.00	RT-0	897.69	890.00	7.69	W/ INTERNAL CHIMNEY SEAL
SAS #22	69+35.22	LT-7.60	904.56	897.56	7.00	
SAS #101	62+09.64	RT-28.66	907.61	899.80	7.81	
MAHER AVE						
SAS #9	94+65.32	RT-0	910.60	902.00	8.60	
SAS #10	92+76.71	RT-12.39	910.46	902.86	7.60	W/ INTERNAL CHIMNEY SEAL

SANITARY STRUCTURE REMOVALS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	EX EI	DEPTH	NOTES
6522-003	26+61.61	RT-1.38	896.75	890.70	6.05	REMOVE
6551-008	29+66.03	LT-3.12	898.95	891.50	7.45	REMOVE
6551-009	33+26.80	LT-3.36	903.56	893.24	10.32	REMOVE
6551-003	34+45.11	LT-10.89	907.13	900.88	6.25	REMOVE
6550-011	38+46.84	LT-9.87	918.90	907.65	11.25	REMOVE
6550-007	41+84.39	LT-10.98	920.67	912.27	8.40	REMOVE
6551-002	64+59.36	RT-13.98	908.98	899.66	9.32	REMOVE
6551-001	69+34.39	RT-16.38	918.61	910.41	8.20	REMOVE
6651-001	69+34.39	RT-16.38	904.17	897.65	6.52	REMOVE

SANITARY STRUCTURE ADJUSTMENTS

SAS NO.	STATION	LOCATION (OFFSET)	EX TOP CASTING	PROP TOC	ADJUST AMOUNT (IN)	AVAILABLE ADJUSTMENT (IN)	STRUCTURE TYPE	NOTES
EX SAS#1	23+96.73	RT-1.76	898.02	898.17	0.15	4	PRECAST ROUND	ADJUST

PROPOSED SANITARY PIPES

FROM SAS (DNSTM)	TO SAS (UPSTM)	LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	SIZE (DIA)	TYPE	NOTES
SAS #1	EX SAS#1	229	890.70	891.61	0.40%	8"	SDR 35	
SAS #1	SAS #2	339	890.70	891.38	0.20%	8"	SDR 35	
SAS #2	SAS #3	370	891.38	893.14	0.48%	8"	SDR 35	
SAS #4	SAS #5	363	900.81	906.50	1.57%	8"	SDR 35	
SAS #5	SAS #6	363	906.60	911.00	1.21%	8"	SDR 35	
SAS #7	SAS #4	313	899.66	900.71	0.34%	8"	SDR 35	
SAS #7	SAS #8	257	899.86	909.50	3.75%	8"	SDR 35	
SAS#3	SAS#100	95	893.34	896.90	3.75%	8"	SDR 35	
SAS #7	SAS #9	179	899.76	902.00	1.25%	8"	SDR 35	
SAS #4	SAS #16	32	900.71	900.85	0.42%	8"	SDR 35	
SAS #16	SAS #17	20	901.85	902.00	0.77%	8"	SDR 35	
SAS #18	SAS #7	38	899.60	899.66	0.16%	8"	SDR 35	
SAS #19	SAS #18	14	899.58	899.60	0.14%	8"	SDR 35	
6552-001	SAS #1	328	889.87	890.70	0.25%	10"	ASTM F714 DR-17 HDPE OR C900 DR25 PVC (BURST)	
SAS #9	SAS #10	14	902.70	902.86	1.14%	8"	SDR 35	
SAS #2	COUPLING	44	891.62	891.66	0.08%	10"	SDR 35	
6651-004	SAS #21	98	889.60	890.00	0.41%	8"	SDR 35	
SAS #21	SAS #20	255	890.10	895.62	2.16%	8"	SDR 35	
SAS#100	SAS#101	70.5	897.00	899.80	3.97%	8"	SDR 35	
SAS #20	COUPLING	21	897.62	897.67	0.24%	8	SDR 35	

SANITARY PIPE REMOVALS AND ABANDONMENTS

REMOVE FROM	REMOVE TO	LENGTH (FT)	PAID (Y/N)	SIZE (DIA)	NOTES
EX SAS#1	6522.003	230	N	8"	REMOVE
6522.003	6551-008	338	N	8"	REMOVE
6551-008	6551.009	358	N	8"	REMOVE
6551-008	SAS#15	40	N	8"	REMOVE
SAS#17	6551-003	28	Y	8"	REMOVE
6551-003	6550-011	395	Y	8"	ABANDON WITH SLURRY
6550-011	6550-007	337	Y	8"	ABANDON WITH SLURRY
6551-003	6551-002	335	Y	8"	ABANDON WITH SLURRY
6551-002	6551-001	229	Y	8"	ABANDON WITH SLURRY
SAS#19	6551-002	30	Y	8"	ABANDON WITH SLURRY
6551-002	6550-012	391	Y	8"	ABANDON WITH SLURRY
6522.003	SAS #6552	332	N	10"	PIPE BURST
6651-001	SAS#22	24	N	8.00	ABANDON WITH SLURRY

STORM SEWER SCHEDULE

*REVISED 06/13/2016 ELD

TURNER AVE AND ALLIS AVE RECONSTRUCTION	SHEET NO.
PROJECT NO. 10904	U-12
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
TURNER AVE							
S-0	29+80.90	RT-22.75	6X6 CB	898.79	894.71	4.08	(2); PER S.D.D. 5.7.4
S-1	29+80.90	RT-22.75	4X4 SAS	898.56	894.86	3.70	W/R-1550-0054- OPEN
S-2	30+12.36	RT-15.50	4X4 SAS	899.55	894.99	4.56	FP; W/3067-7004-V
S-2A	29+98.99	LT-15.50	3X3 SAS	899.61	895.61	4.00	W/3067-7004-V
S-2B	29+75.54	LT-33.96	3X3 SAS	899.75	895.75	4.00	W/3067-7004-V
S-2C	29+43.14	LT-39.57	H INLET	899.51	896.31	3.20	W/3067-7004-V; (5)
S-3	32+09.51	RT-15.50	4X4 SAS	901.30	896.10	5.20	W/3067-7004-V
S-3A	32+13.20	LT-15.50	H INLET	901.46	897.15	4.31	W/3067-7004-V; (5)
S-3B	32+13.60	LT-27.84	3X3 CB	901.94	897.44	4.50	W/R-1878-A10G; (3)
S-4	32+92.54	RT-15.50	6X6 CB	903.36	898.20	5.16	(6); PER S.D.D. 5.7.4
S-5	34+41.69	RT-16.00	4X4 SAS	907.37	901.90	5.47	W/R-1550-0054- OPEN
S-5A	60+95.36	RT-15.50	4X4 SAS	908.42	904.60	3.82	W/3067-7004-V
S-5B	60+97.42	LT-15.50	H INLET	908.64	905.44	3.20	W/3067-7004-V; (5)
S-6	61+49.14	RT-17.64	4X4 SAS	907.31	902.25	5.06	W/3067-7004-V
S-6A	61+72.46	LT-15.50	H INLET	907.84	904.64	3.20	W/3067-7004-V; (5)
S-20	34+99.11	RT-15.50	3X3 SAS	908.89	904.50	4.39	W/3067-7004-V
S-20A	34+97.58	LT-15.50	H INLET	909.35	906.15	3.20	W/3067-7004-V; (5)
S-30	26+15.25	LT-19.00	TERRACE INL TYPE III	897.06	892.16	4.90	LP; SEE S.D.D. 5.7.12B
S-31	26+15.75	RT-19.00	TERRACE INL TYPE III	897.10	892.07	5.03	LP; SEE S.D.D. 5.7.12B
S-50	42+39.86	RT-15.50	3X3 SAS	922.89	917.83	5.06	W/3067-7004-V; (4)
S-51	42+10.28	RT-15.50	H INLET	921.09	918.46	2.63	FP; (1); W/3067-7004-V; (5)
S-52	41+99.98	RT-17.33	H INLET	921.01	918.51	2.50	FP; (1); LP; W/3067-7004-VB
S-53	42+06.40	LT-15.50	H INLET	921.51	919.01	2.50	FP; (1); W/3067-7004-V
ALLIS AVE							
S-7	62+65.00	RT-15.50	3X3 SAS	907.20	902.95	4.25	LP; W/3067-7004-VB
S-7A	62+65.00	LT-15.50	H INLET	907.76	904.56	3.20	LP; W/3067-7004-VB
S-8	64+01.67	RT-15.50	3X3 SAS	908.18	903.86	4.32	W/3067-7004-V
S-8A	64+92.38	LT-15.50	H INLET	910.57	907.20	3.37	W/3067-7004-V
S-8B	62+92.14	RT-15.50	H INLET	911.00	907.35	3.65	W/3067-7004-V
* S-10	64+32.71	LT-38.35	H INLET	909.49	906.60	2.89	FP; W/3067-7004-V
S-40	72+26.58	RT-35.26	H INLET	897.33	893.64	3.69	W/3067-7004-V
S-41	71+93.05	RT-15.50	H INLET	897.81	894.20	3.61	W/3067-7004-V
S-42	71+86.95	LT-15.57	H INLET	898.26	895.00	3.26	W/3067-7004-V
S-43	72+02.86	LT-34.09	12" RCP AE	---	895.80	---	W/GATE
MAHER ST							
S-11	91+50.00	RT-15.50	H INLET	910.39	907.19	3.20	LP; W/3067-7004-VB

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	PLAN LGTH (FT)	PIPE LGTH (FT)	DISCH. E.I.	INLET E.I.	SLOPE (%)	PIPE SIZE	TYPE	NOTES
P-1	S-0	S-1	18	13.0	894.71	894.86	1.15%	24"	RCP	
P-2	S-1	S-2	29	26.0	894.86	894.99	0.50%	24"	RCP	
P-2A	S-2	S-2A	34	31.0	895.24	895.61	1.19%	18"	RCP	NCM
P-2B	S-2A	S-2B	29	26.0	895.61	895.75	0.54%	15"	RCP	NCM
P-2C	S-2B	S-2C	32	29.0	896.00	896.31	1.07%	12"	RCP	
P-3	S-2	S-3	199	196.0	894.99	896.10	0.57%	24"	RCP	
P-3A	S-3	S-3A	31	28.0	896.60	897.15	1.96%	18"	RCP	
P-3B	S-3A	S-3B	12	9.0	897.15	897.44	3.22%	18"	RCP	
P-4	S-3	S-4	84	81.0	896.35	898.20	2.28%	21"	RCP	
P-5	S-4	S-5	150	147.0	898.20	901.90	2.52%	21"	RCP	
P-5A	S-5	S-5A	54	51.0	902.65	904.60	3.82%	15"	RCP	
P-5B	S-5A	S-5B	32	29.0	904.85	905.44	2.03%	12"	RCP	
P-6	S-5	S-6	21	18.0	901.90	902.25	1.94%	21"	RCP	
P-6A	S-6	S-6A	31	28.0	903.00	904.64	5.86%	12"	RCP	
P-7	S-6	S-7	95	90.0	902.50	902.95	0.50%	18"	RCP	
P-7A	S-7	S-7A	31	28.0	903.45	904.56	3.96%	12"	RCP	
P-8	S-7	S-8	136	133.0	902.95	903.86	0.68%	18"	RCP	
P-8A	S-8	S-8A	90	87.0	904.36	907.20	3.26%	12"	RCP	
P-8B	S-8A	S-8B	32	29.0	907.20	907.35	0.52%	12"	RCP	
* P-10	S-8	S-10	62	59.0	905.43	906.60	1.98%	12"	RCP	
* P-11	S-10	S-11	37	35.0	906.60	907.19	1.69%	12"	RCP	
P-20	S-5	S-20	56	53.0	902.65	904.50	3.49%	15"	RCP	
P-20A	S-20	S-20A	31	28.0	904.75	906.15	5.00%	12"	RCP	
P-31	S-31	S-30	35	31.0	892.07	892.16	0.29%	24"	RCP	
P-41	S-40	S-41	39	36.0	893.64	894.20	1.56%	12"	RCP	
P-42	S-41	S-42	31	28.0	894.20	895.00	2.86%	12"	RCP	
P-43	S-42	S-43	24	21.0	895.00	895.80	3.81%	12"	RCP	
P-51	S-50	S-51	129	126.0	917.83	918.46	0.50%	12"	RCP	
P-52	S-51	S-52	10	7.0	918.46	918.51	0.71%	12"	RCP	
P-53	S-51	S-53	31	28.0	918.46	919.01	1.96%	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.

STANDARD NOTES:

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- 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 COREY OF CITY ENGINEERING AT (608) 266-9721 FOR PRECAST APPROVALS, FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO CSTEJLJES@CITYOFMADISON.COM.

SPECIFIC NOTES

(1) STRUCTURE DEPTH MAY REQUIRE PIPE WALLS BE POURED INTEGRAL TO STRUCTURE ROOF

(2) W/ 3' SUMP BELOW LISTED INVERT; STRUCTURE SHALL HAVE 2 1550-0054 CASTINGS

(3) STRUCTURE HAS NO SUMP. PER 507.2c

(4) PROVIDE 15" KNOCKOUT TO NORTH AT EI

(5) WITH SALVAGED CASTING

(6) W/3' SUMP BELOW LISTED INVERT; STRUCTURE SHALL ONE ONE R-3067-7004 IN CURB (TC+STA) AND ONE 1550 IN STREET. STRUCTURE OFFSET 1.5' TO STREET

STORM SEWER REMOVAL SCHEDULE

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
RS-1	IN 6552-017	26+15.94	LT-8.41	INLET	REMOVE; SALVAGE CASTING
RS-2	AS 6552-016	26+17.26	LT-7.93	SAS	REMOVE
RS-3	IN 6552-016	26+17.84	RT-16.92	INLET	REMOVE; SALVAGE CASTING
RS-4	IN 6551-001	29+41.15	RT-17.20	INLET	REMOVE; SALVAGE CASTING
RS-5	IN 6551-003	29+81.43	LT-16.30	INLET	REMOVE; SALVAGE CASTING
RS-6	IN 6551-004	29+90.81	RT-17.63	INLET	REMOVE; SALVAGE CASTING
RS-7	IN 6551-002	29+51.62	RT-23.41	INLET	REMOVE; SALVAGE CASTING
RS-8	AS 6551-012	29+80.90	RT-22.75	SAS	REMOVE

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
RP-1	RS-1	RS-2	5	24"	RCP	N	REMOVE
RP-2	RS-2	RS-3	21	24"	RCP	N	REMOVE
RP-3	RS-7	RS-4	40	12"	VP	Y	REMOVE
RP-4	RS-5	RS-6	34	12"	VP	Y	REMOVE
RP-5	RS-8	RS-7	24	12"	VP	Y	REMOVE
RP-6	RS-8	RS-6	5	12"	VP	Y	REMOVE
RP-7	S-0	RS-8	13	24"	RCP	N	REMOVE

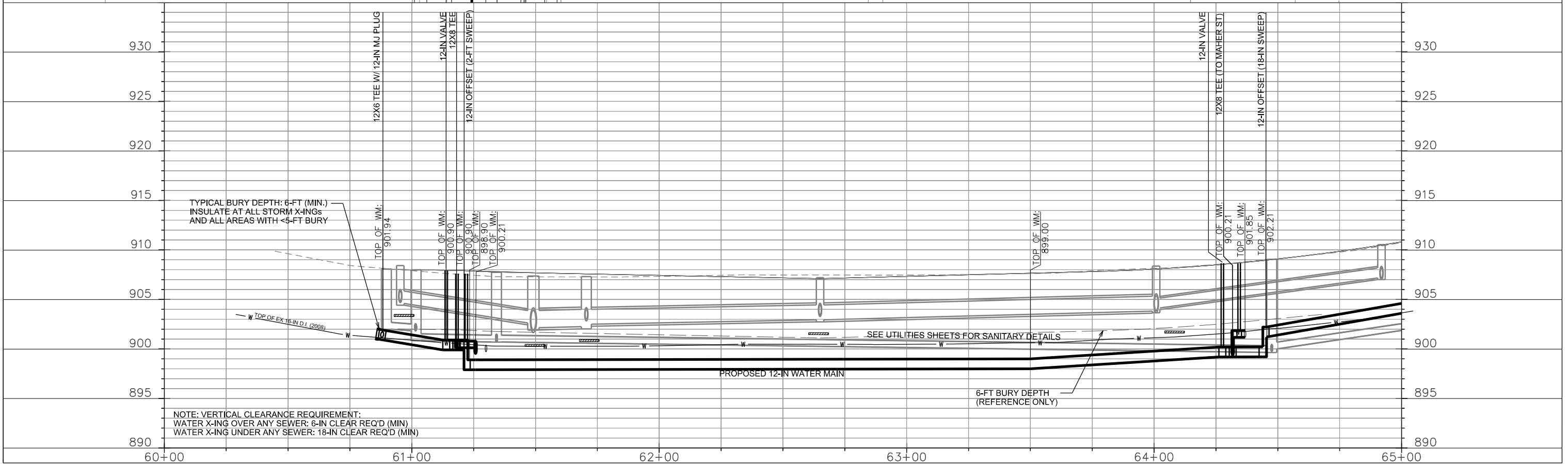
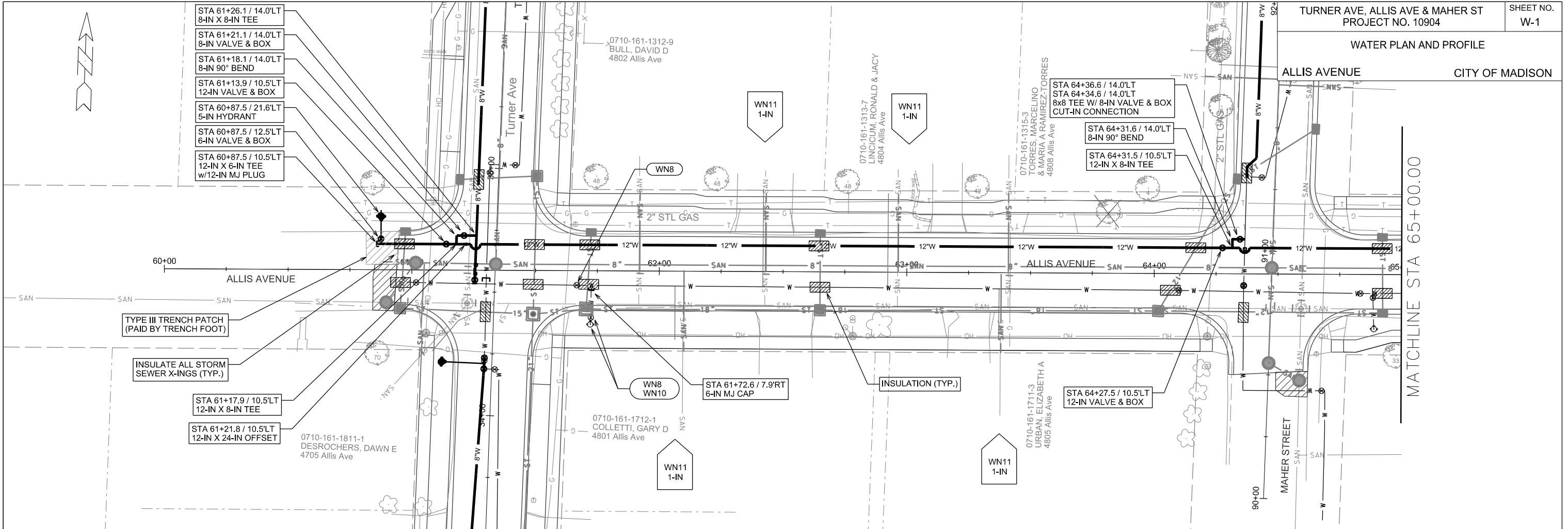
STORM SEWER ULOs

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	ELEV TOP	ELEV BOTTOM	NOTES
ULO-1	34+24.72	LT-28.60	SAN LATERAL			
ULO-2	29+80.12	RT-27.10	GAS			
ULO-3	34+24.85	RT-17.35	GAS			
ULO-4	34+43.76	RT-28.56	GAS			
ULO-5	34+86.50	RT-14.83	TEL(2)& GAS			
ULO-6	26+15.75	RT-23.00	GAS			
ULO-7	64+18.70	LT-23.32	TEL(2) & GAS			
ULO-8	64+68.12	RT-15.50	GAS			
ULO-9	71+93.19	LT-22.85	TEL			
ULO-10	71+99.27	LT-29.98	TEL			

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WATER PLAN AND PROFILE
CITY OF MADISON

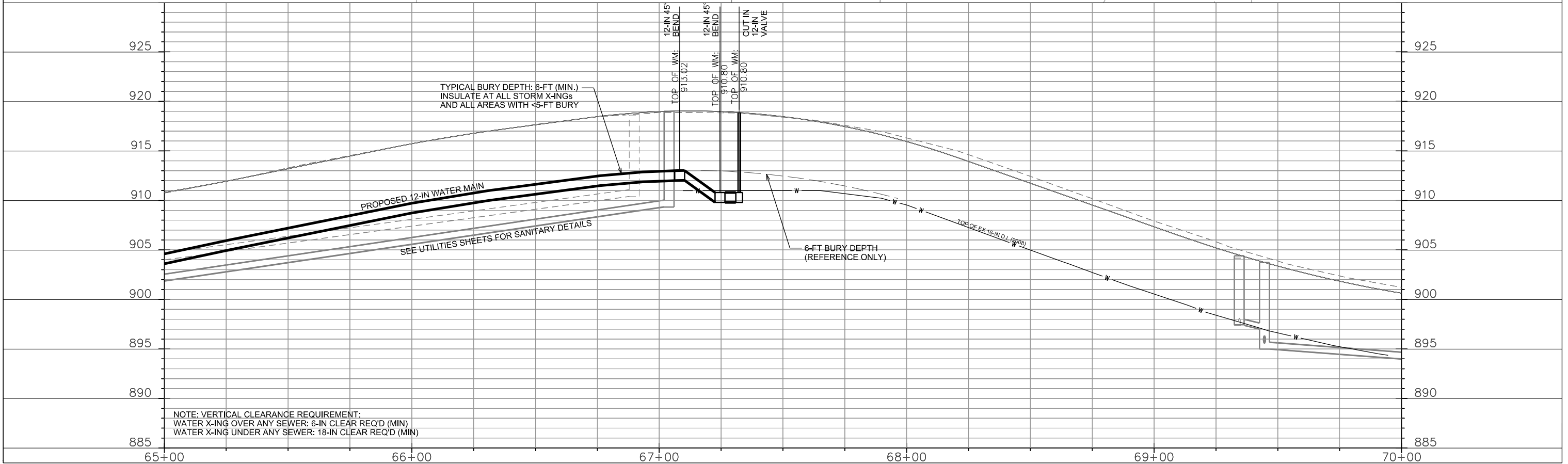
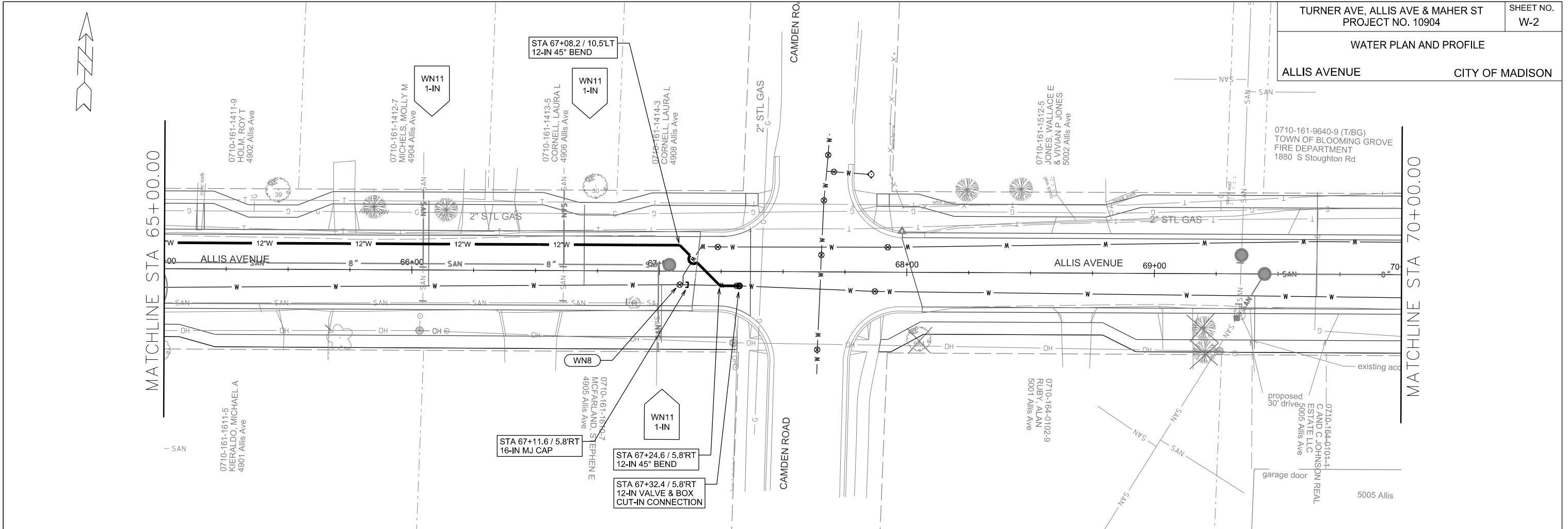


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PLOT NAME:

REV. DATE:

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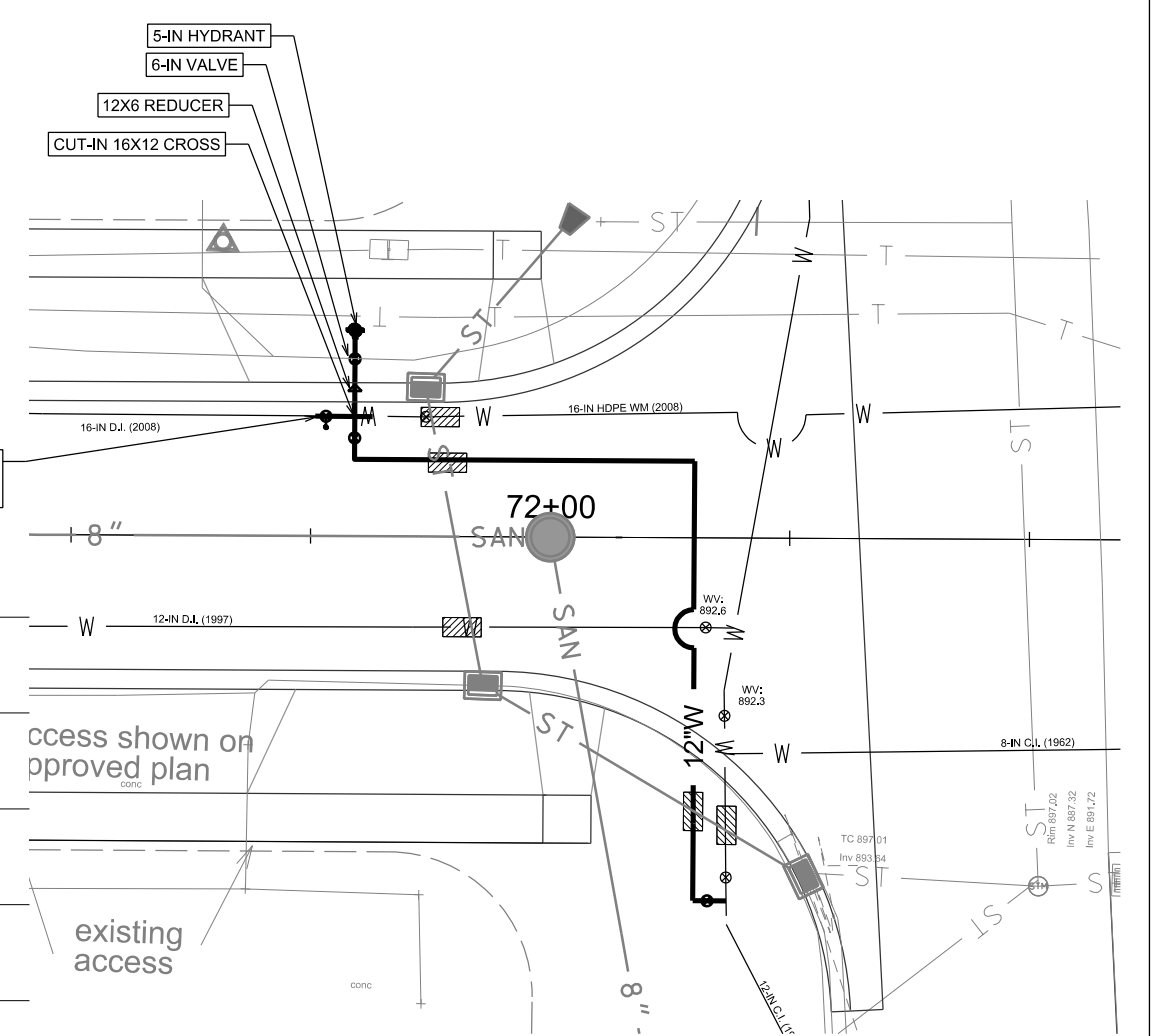
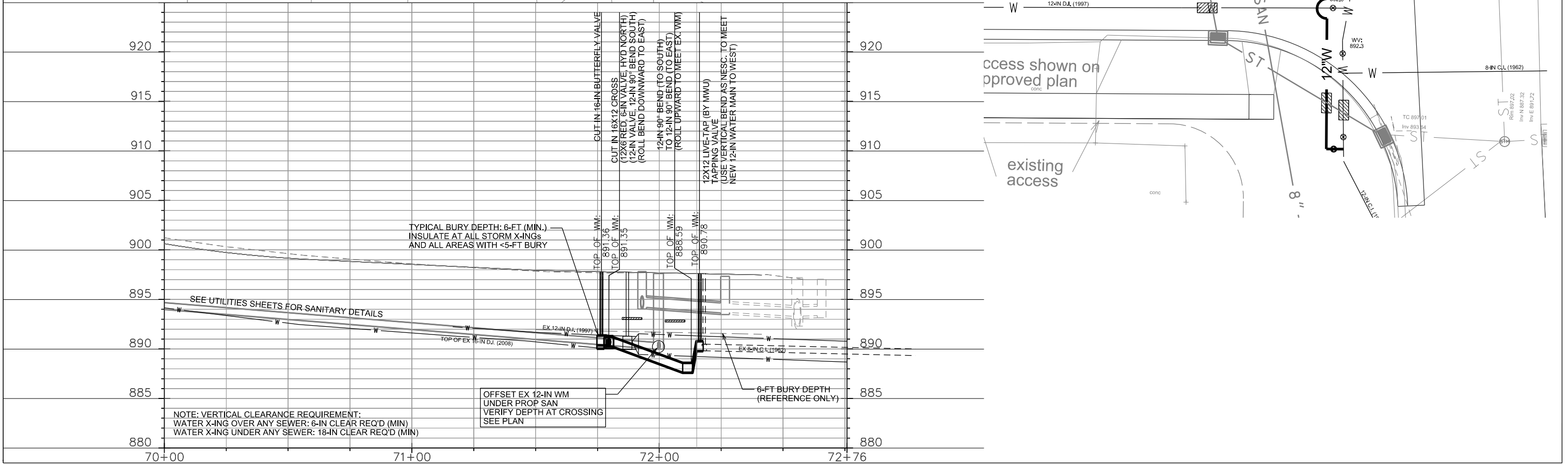
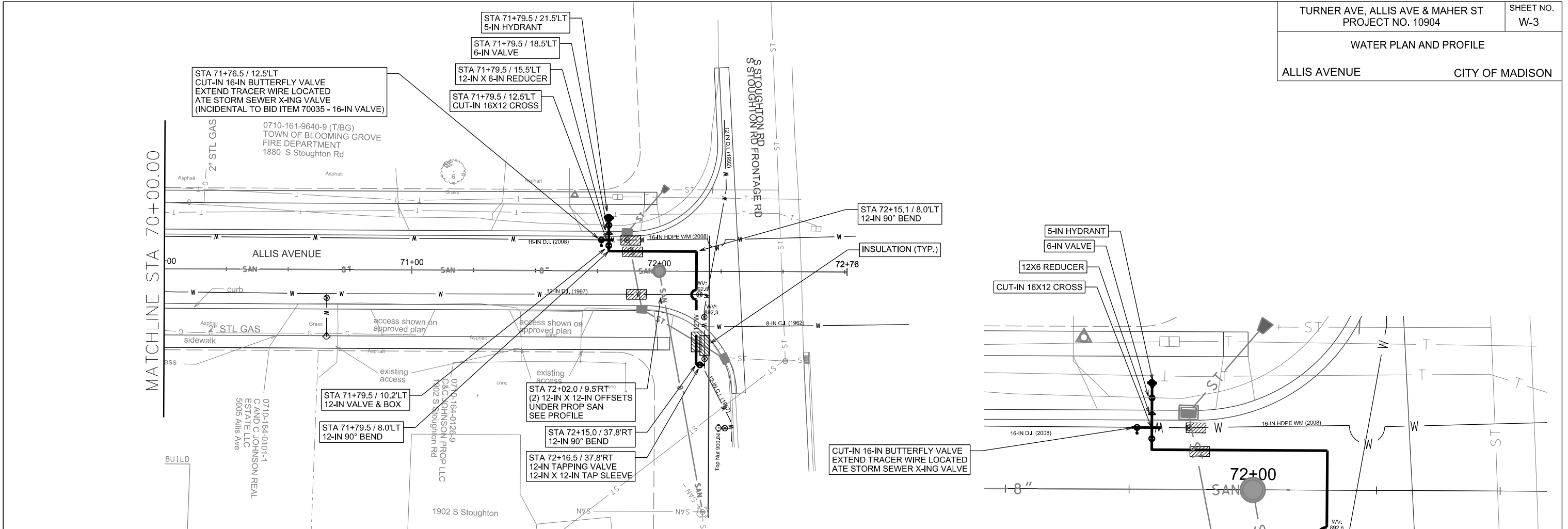


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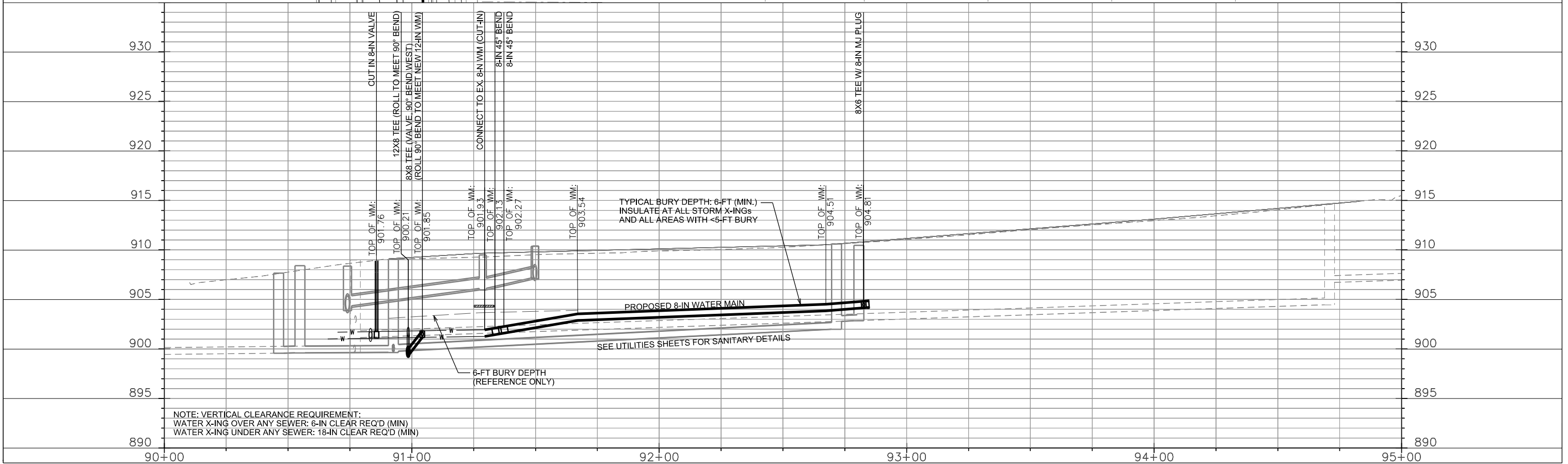
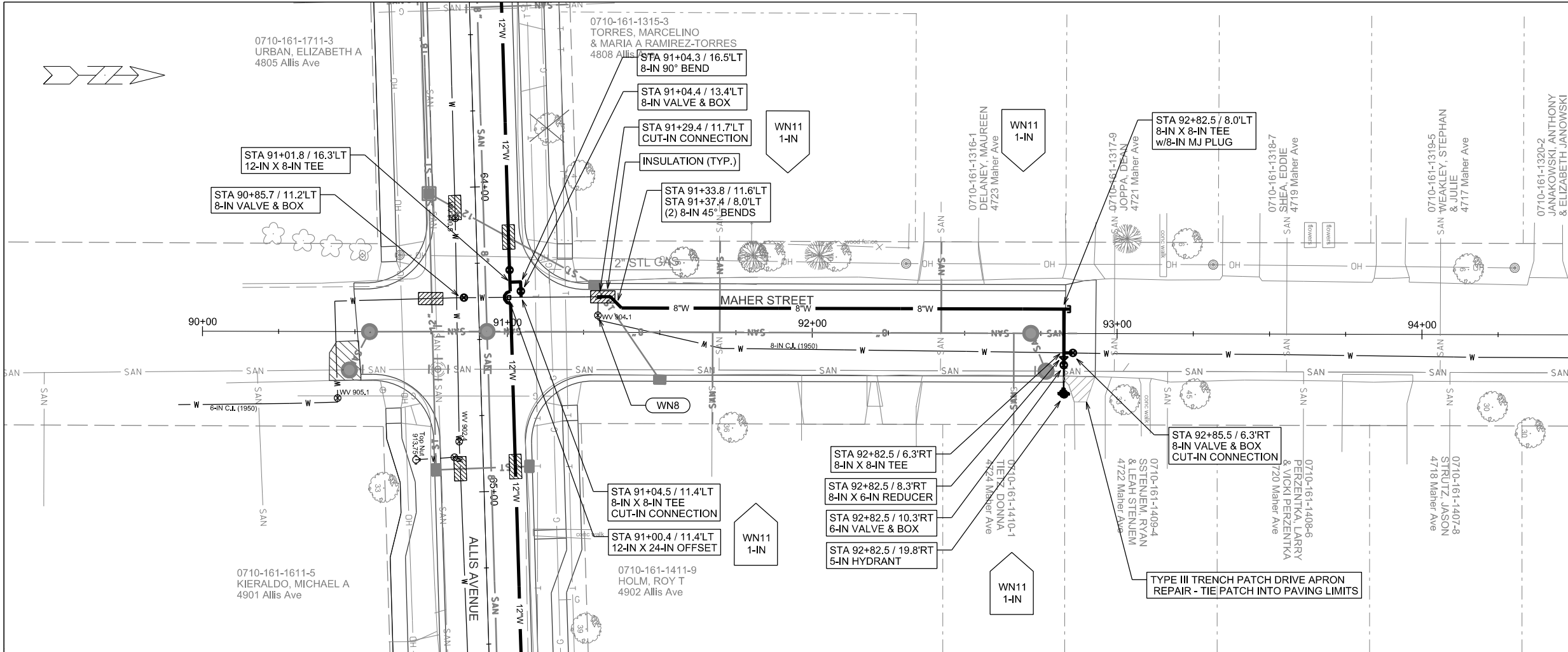


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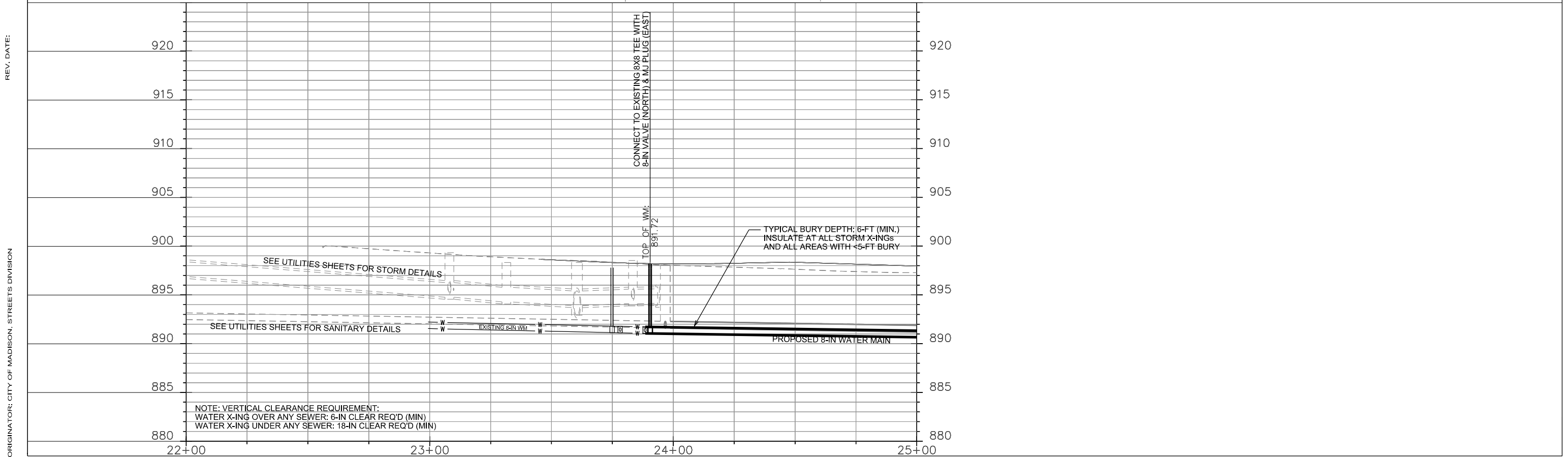
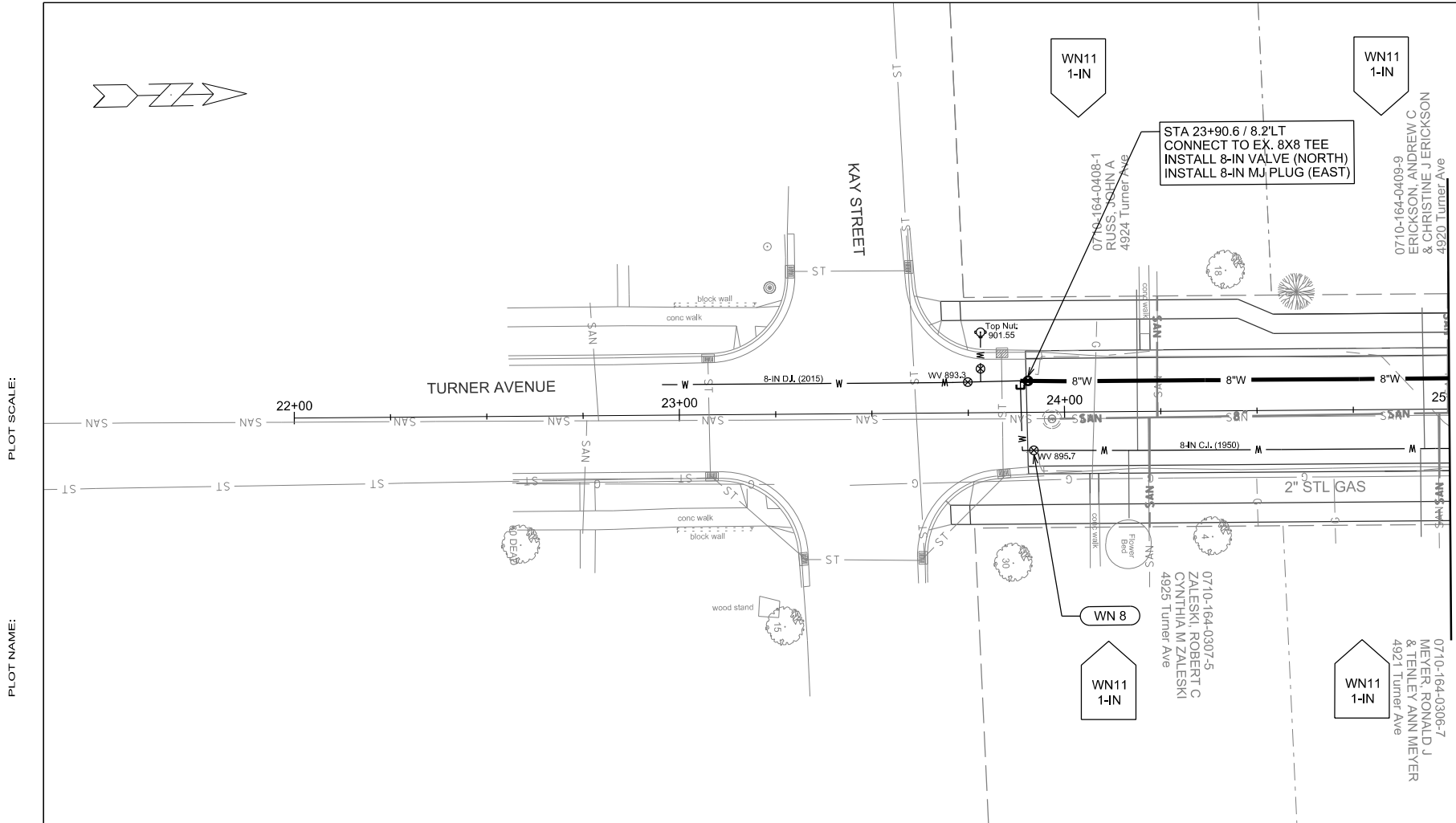


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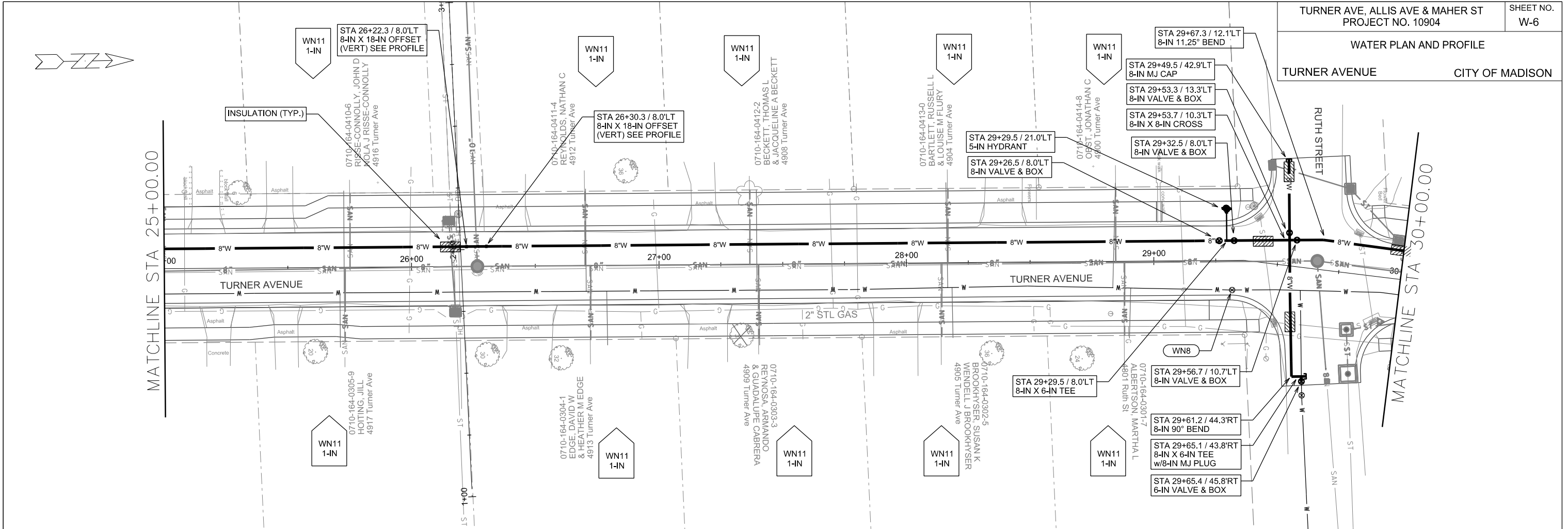


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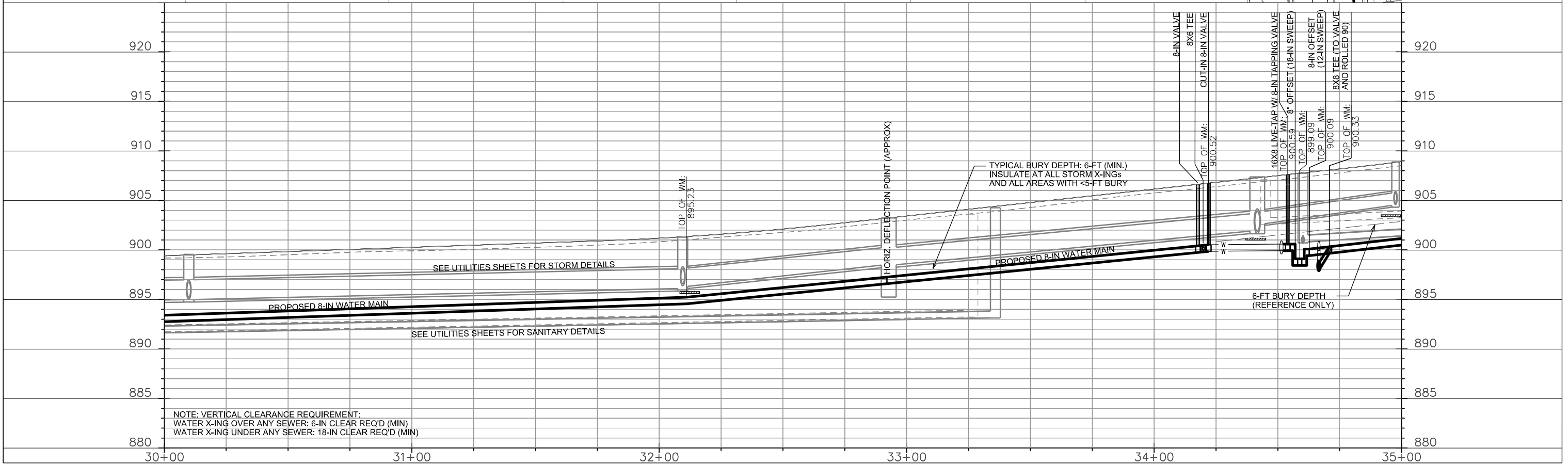
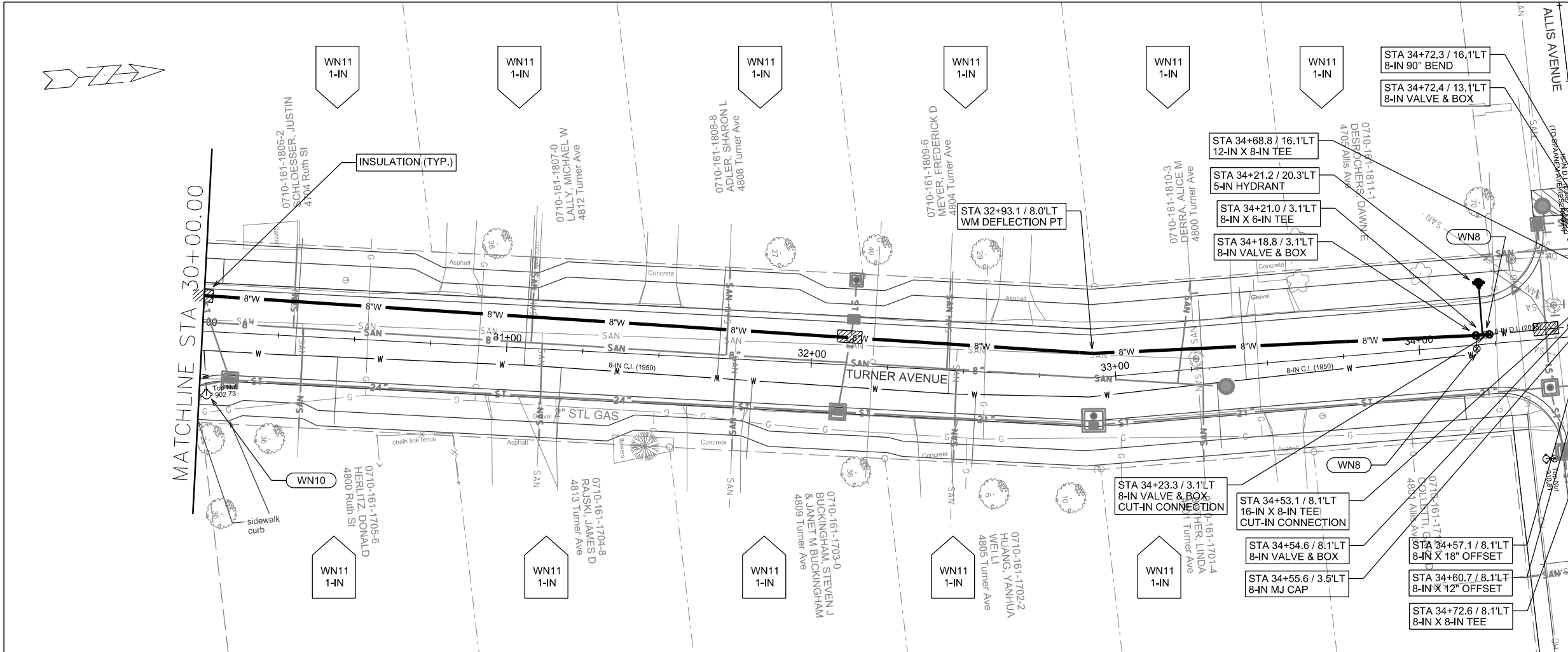
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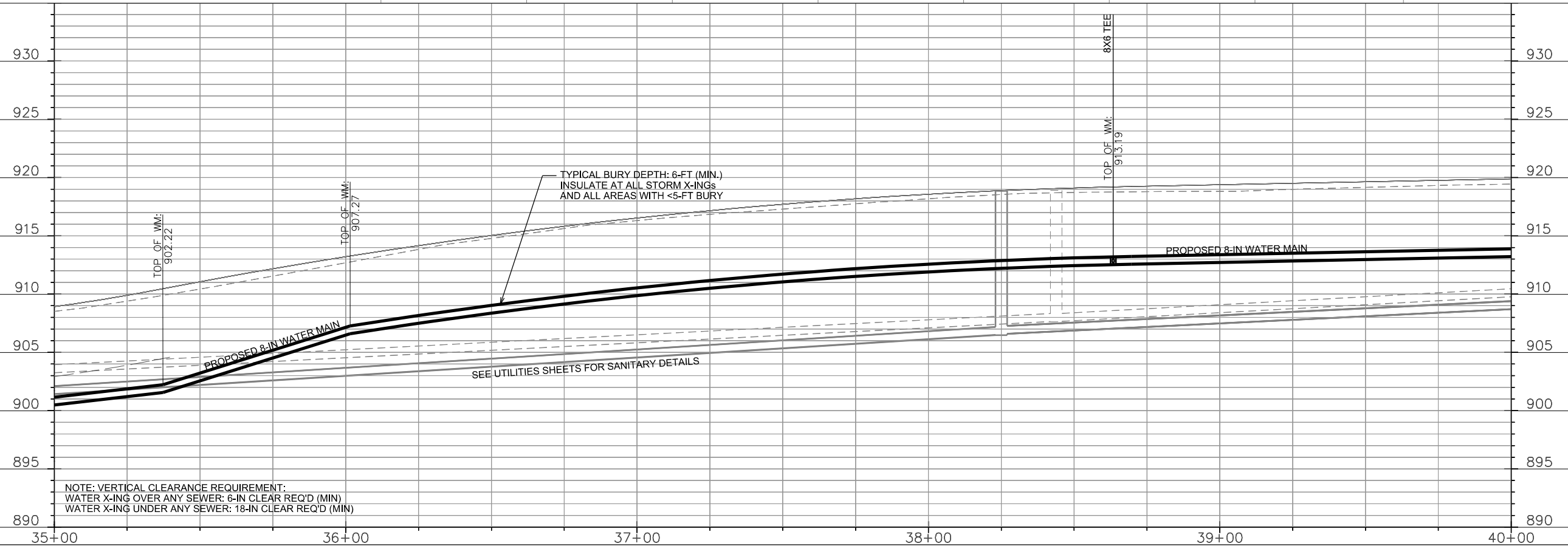
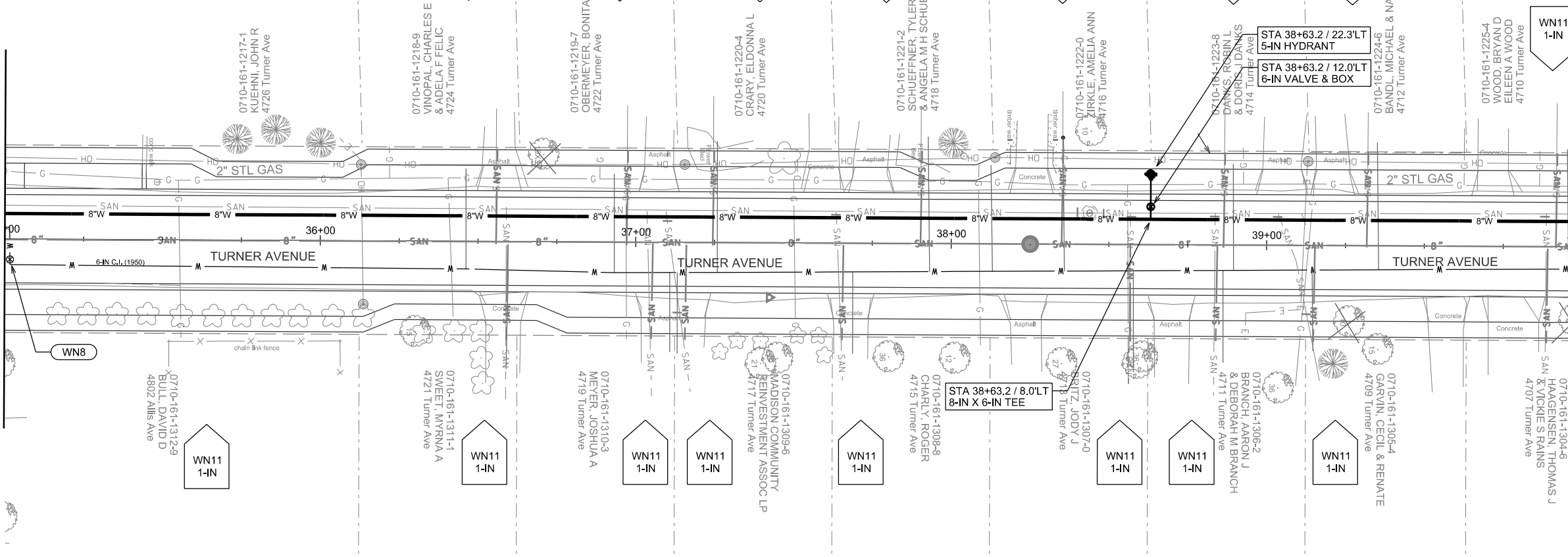


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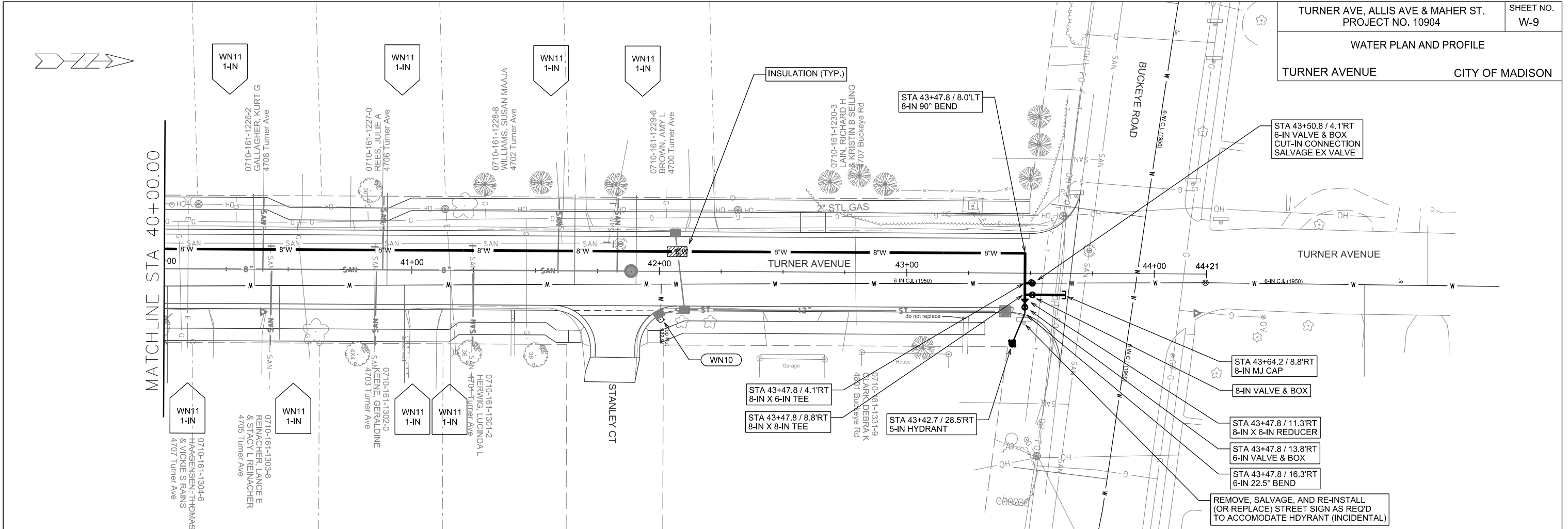


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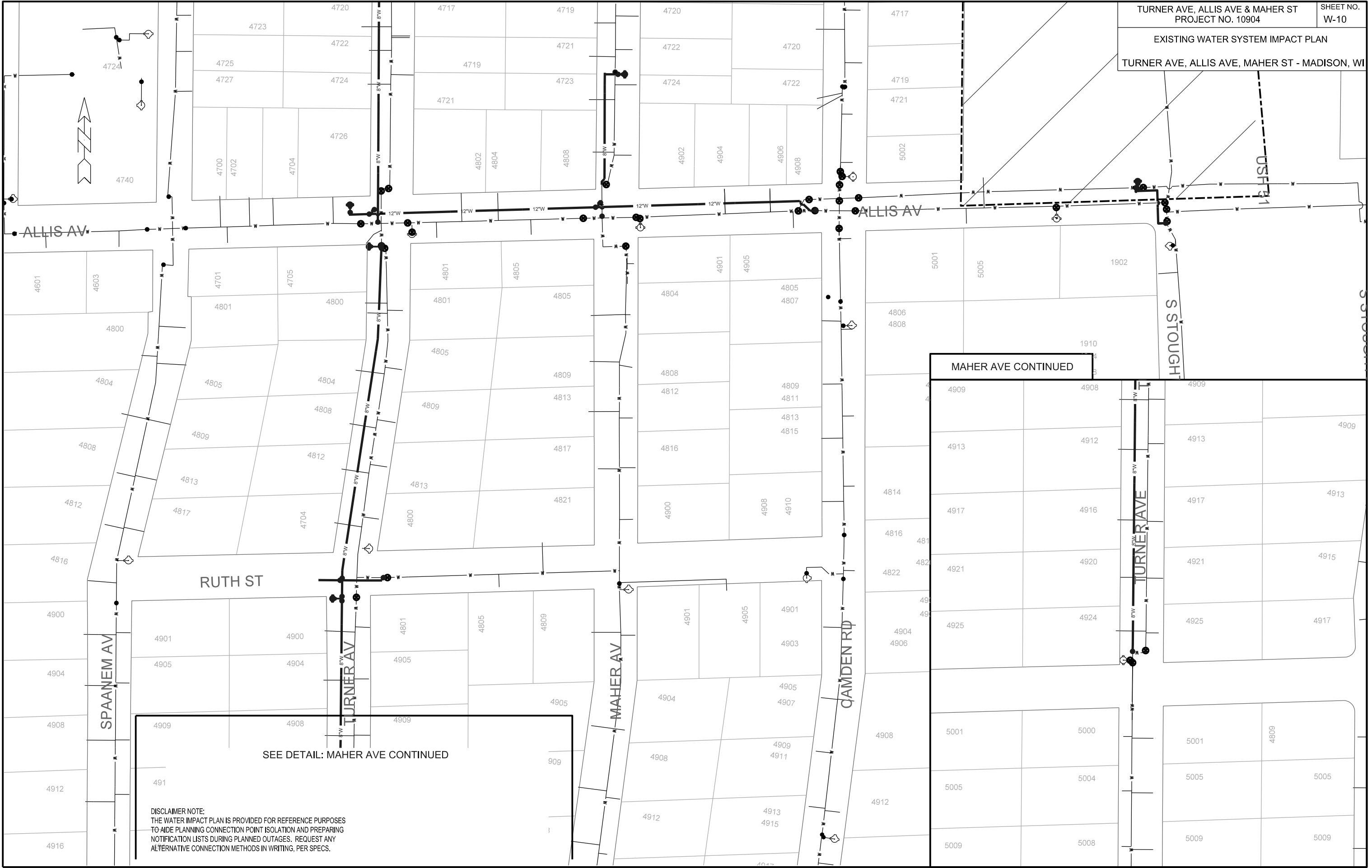
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PLOT NAME:

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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.

SEE DETAIL: MAHER AVE CONTINUED

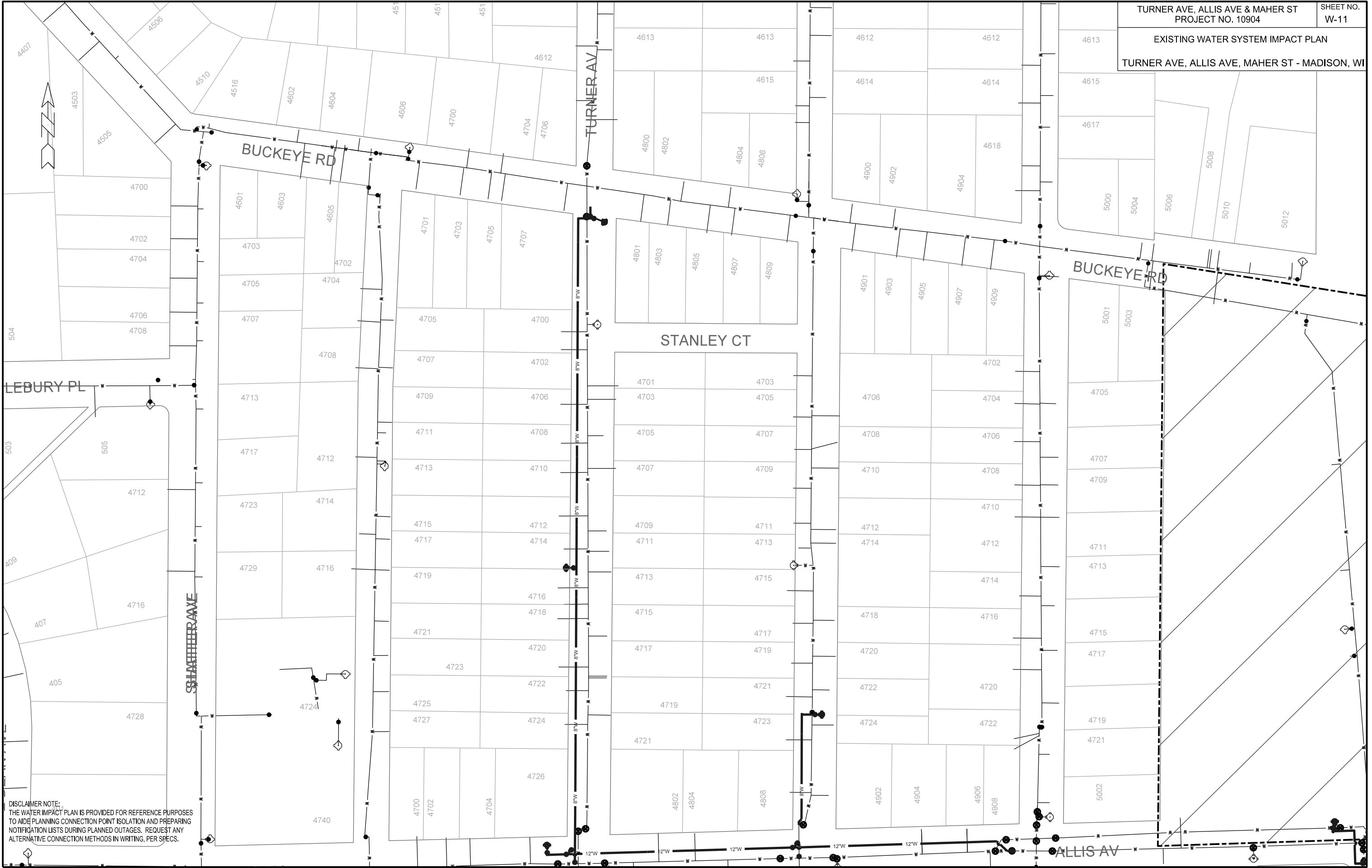
MAHER AVE CONTINUED

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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.

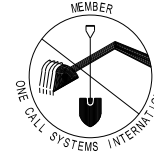
DISCLAIMER NOTE:
UTILITY LOCATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING UNDERGROUND AND OVERHEAD UTILITIES PRIOR TO COMMENCING WORK.

- 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

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.



ESTIMATE OF MATERIALS SUPPLIED BY CONTRACTOR:

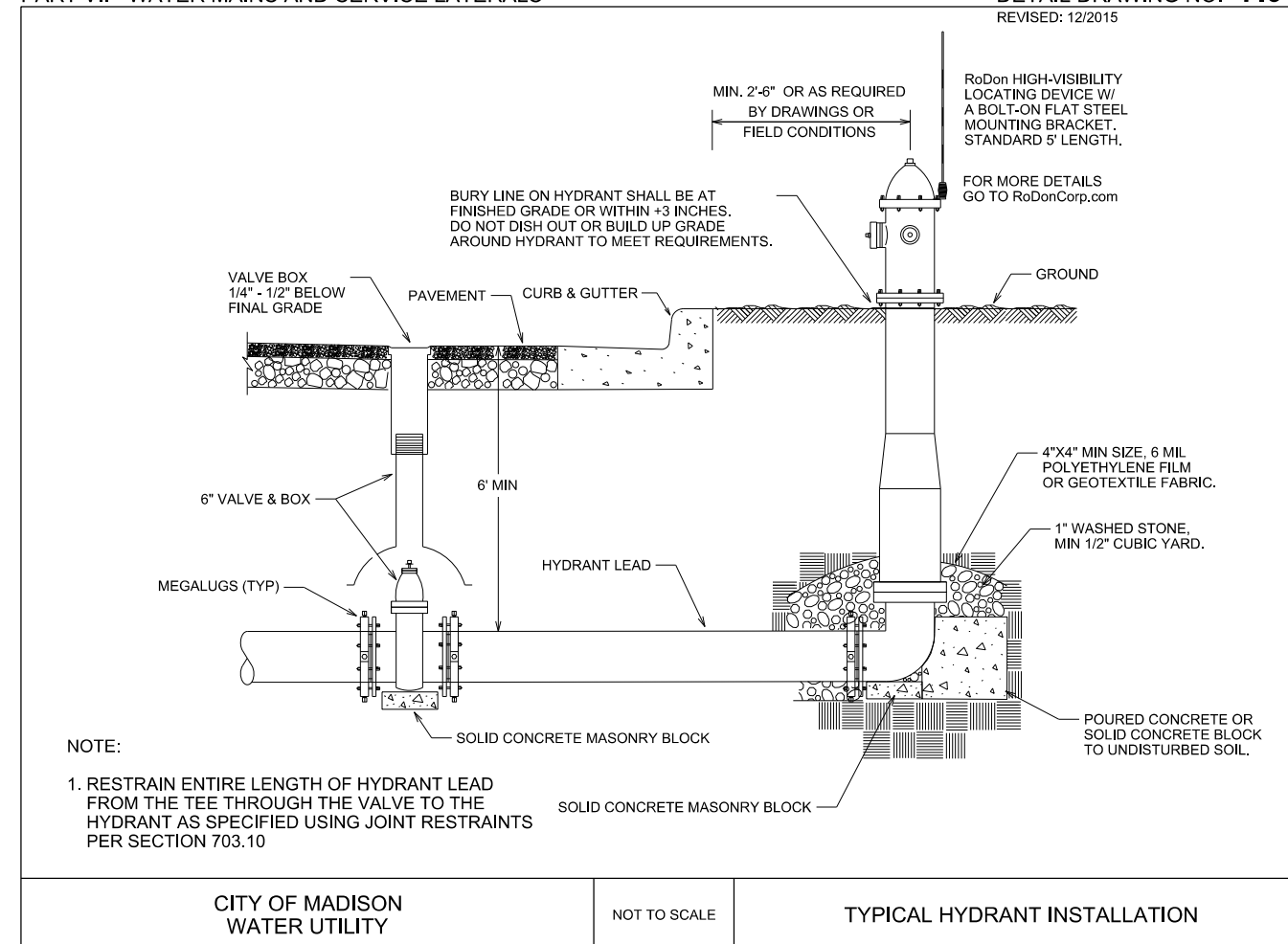
* ESTIMATE OF MATERIALS IS FOR INFORMATION ONLY. ENGINEER DOES NOT GUARANTEE ACCURACY OF MATERIAL TAKE-OFF.

WATER MAINS AND FITTING MATERIALS	TOTAL	MISC. MATERIALS	TOTAL
6-IN PIPE (LF)	80.0	INSULATION (LF)	200
8-IN PIPE (LF)	2280.0	COPPER TUBING (1-IN TO 2-IN)	AS REQ
12-IN PIPE (LF)	760.0		
16-IN PIPE (LF)	20.0		
POLY WRAP	3460.0		
6-IN VALVES & BOXES	7.0		
8-IN VALVES & BOXES	12.0		
12-IN VALVES & BOXES	6.0		
16-IN VALVES & BOXES	1.0		
8-IN X 6-IN TEES	4.0		
8-IN X 8-IN TEES	4.0		
12-IN X 6-IN TEES	1.0		
12-IN X 8-IN TEES	2.0		
16-IN X 8-IN TEES	1.0		
8-IN X 8-IN CROSSES	1.0		
16-IN X 12-IN CROSSES	1.0		
8-IN X 6-IN REDUCERS	2.0		
12-IN X 6-IN REDUCERS	1.0		
6-IN - 22.5° BENDS	1.0		
8-IN - 45° BENDS	2.0		
8-IN - 90° BENDS	3.0		
12-IN - 45° BENDS	2.0		
12-IN - 90° BENDS	3.0		
8-IN X 12-IN OFFSETS	1.0		
8-IN X 18-IN OFFSETS	3.0		
12-IN X 12-IN OFFSETS	0.0		
12-IN X 18-IN OFFSETS	2.0		
12-IN X 24-IN OFFSETS	2.0		
8-IN MJ CAPS	2.0		
8-IN MJ PLUGS	4.0		
12-IN MJ CAPS	1.0		
12-IN MJ PLUGS	1.0		
5-IN HYDRANTS	7.0		

PART VII - WATER MAINS AND SERVICE LATERALS

DETAIL DRAWING NO. 7.04

REVISED: 12/2015



PLOT SCALE:

PLOT NAME:

REV. DATE:

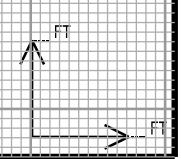
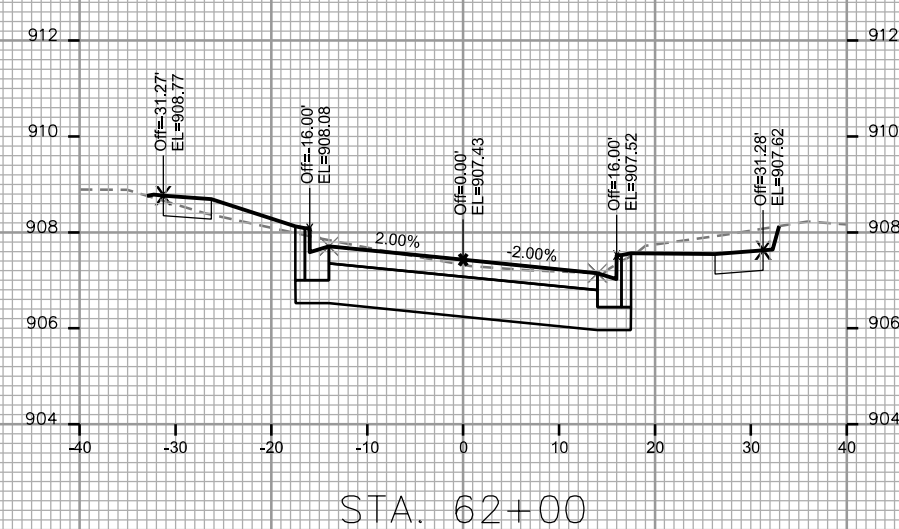
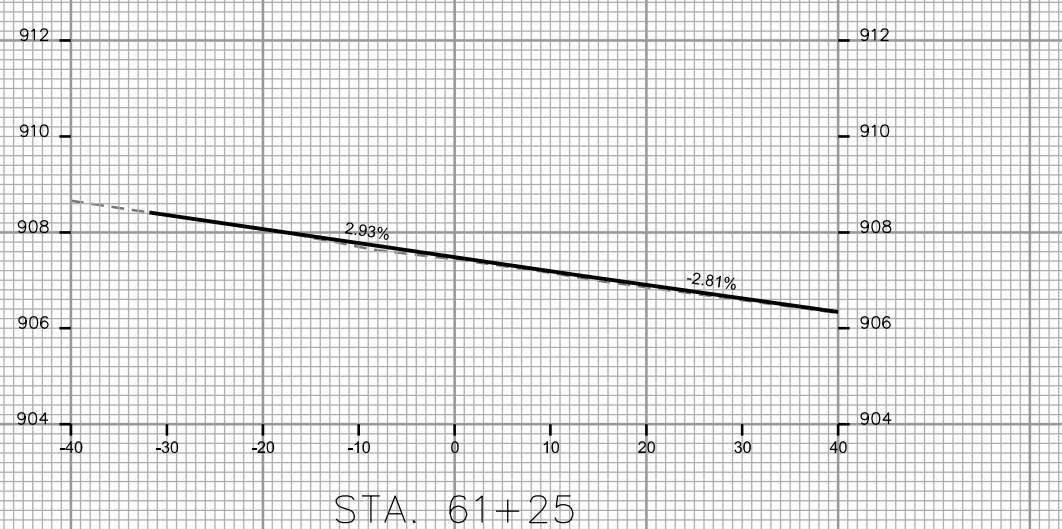
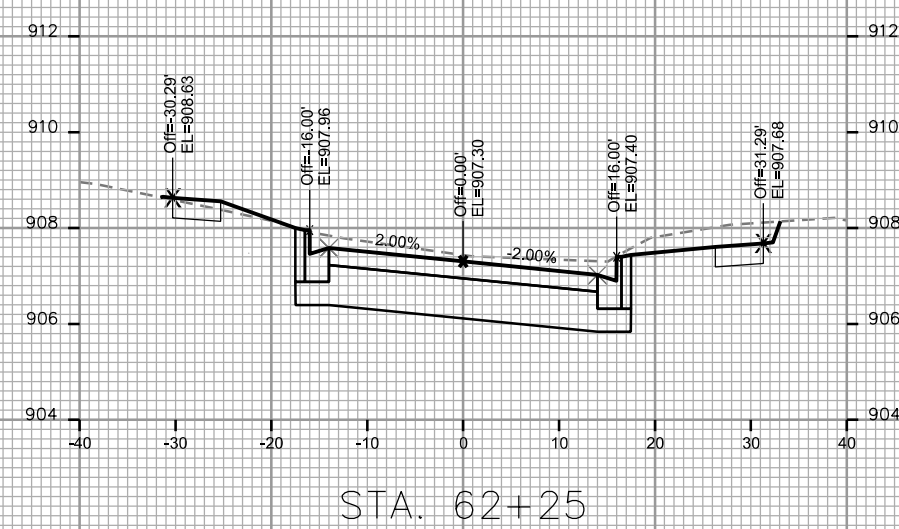
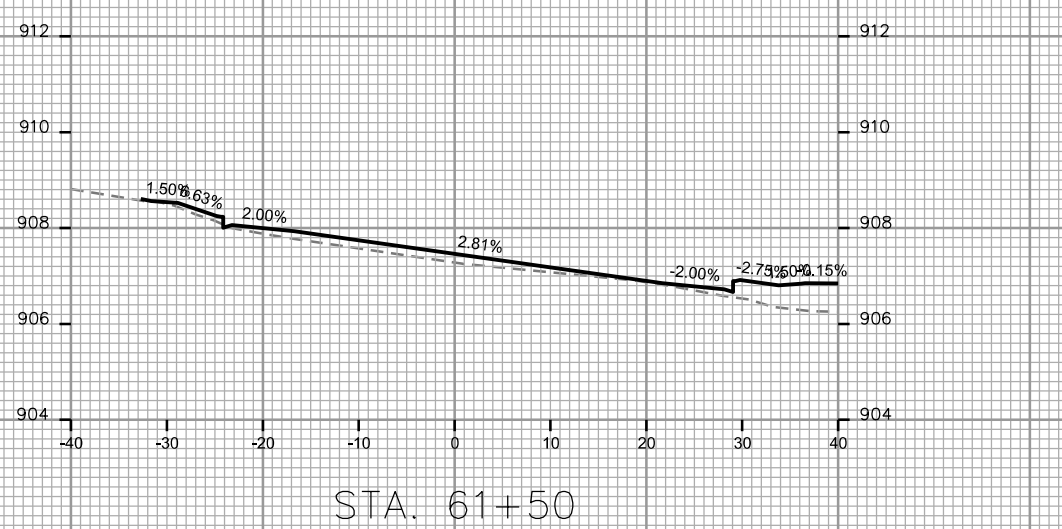
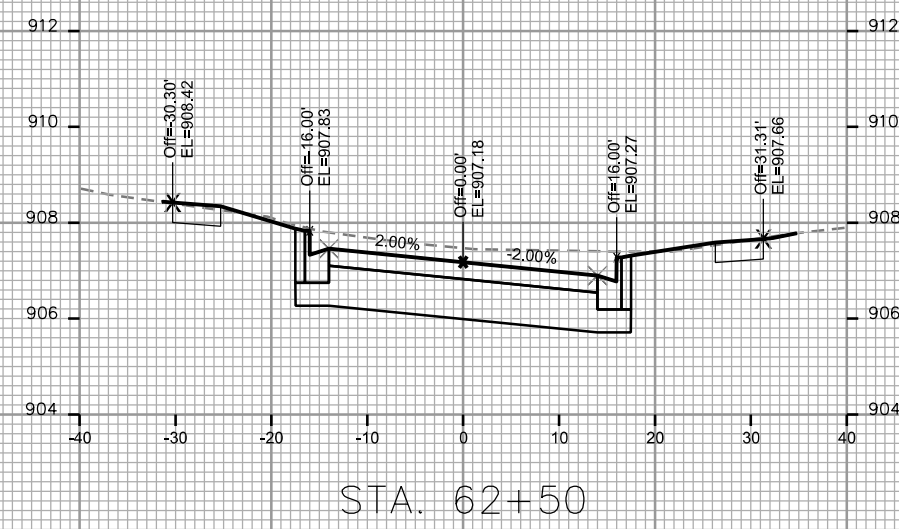
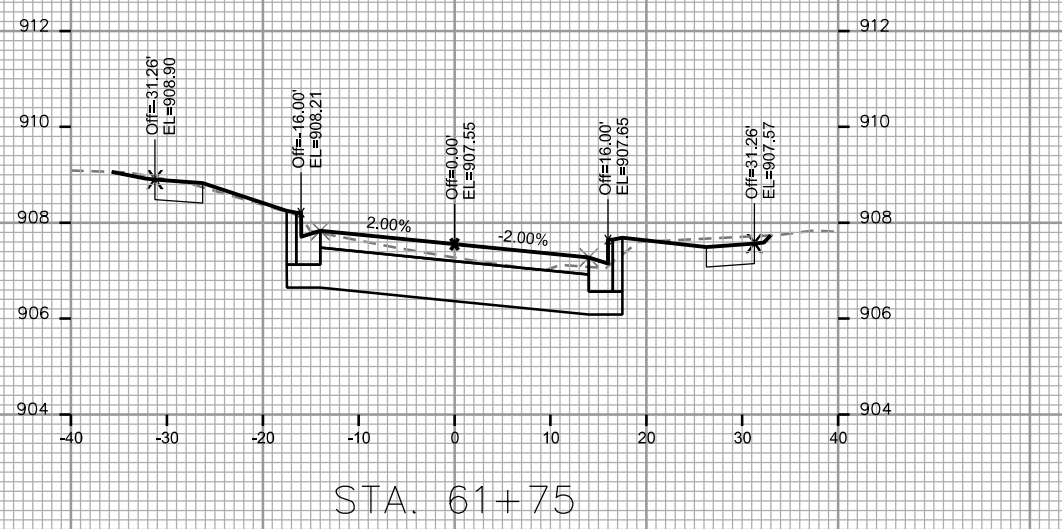
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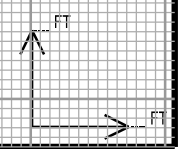
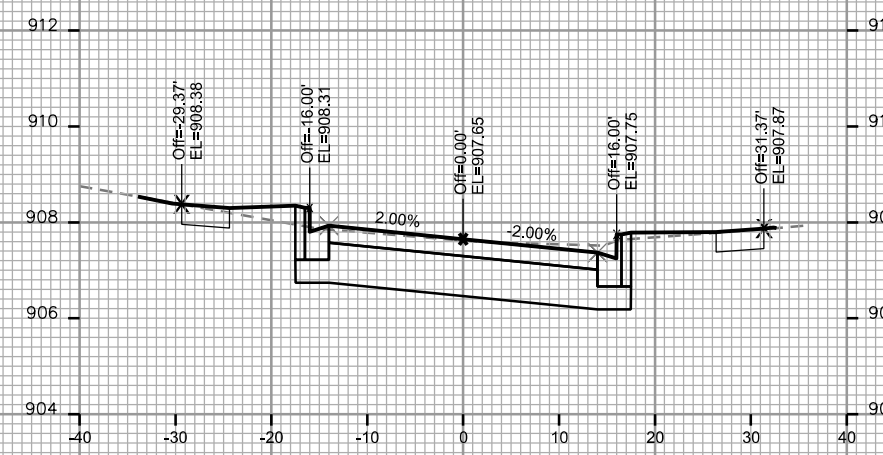
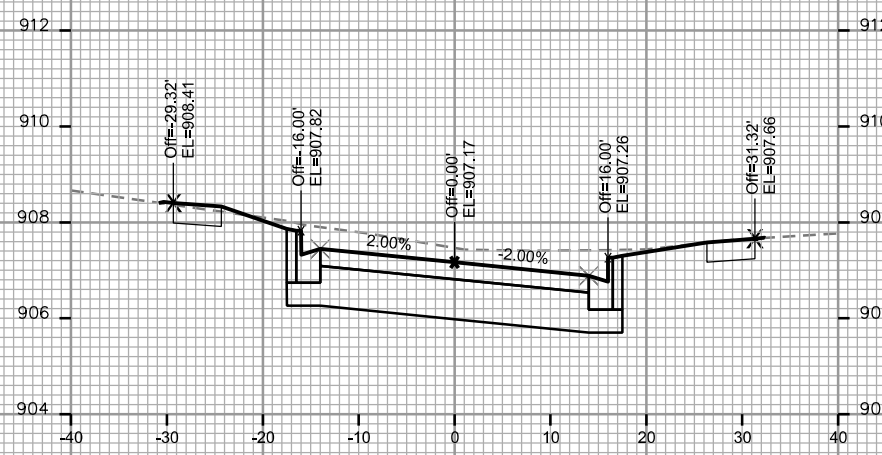
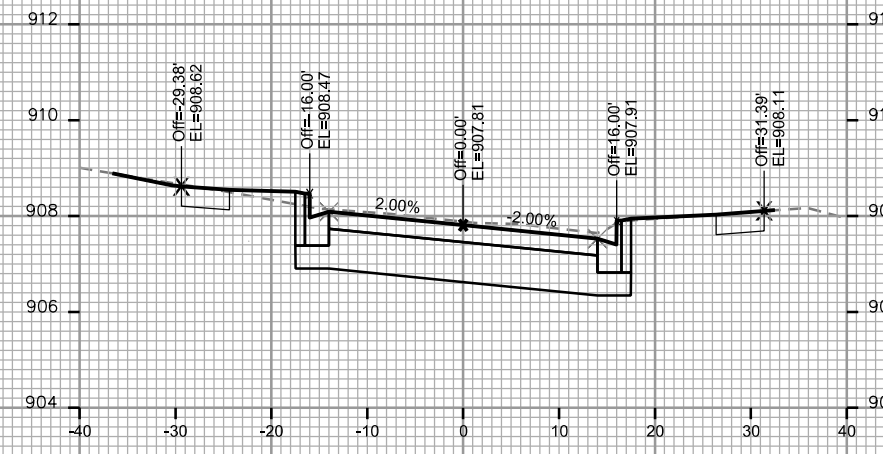
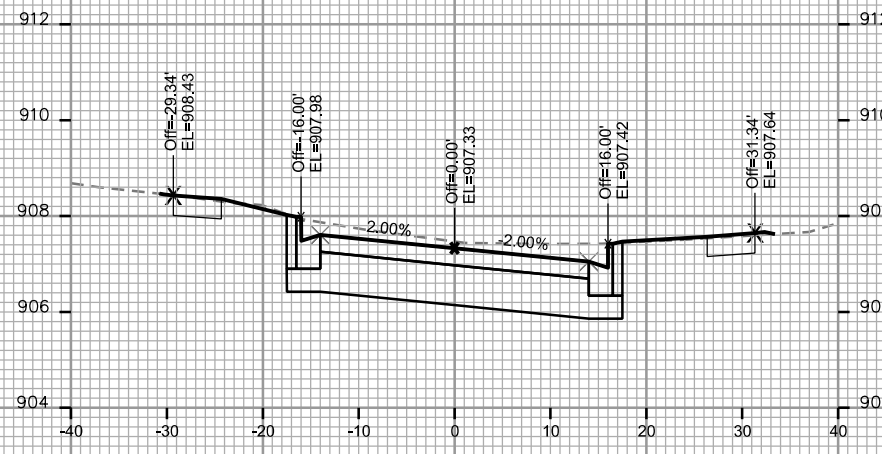
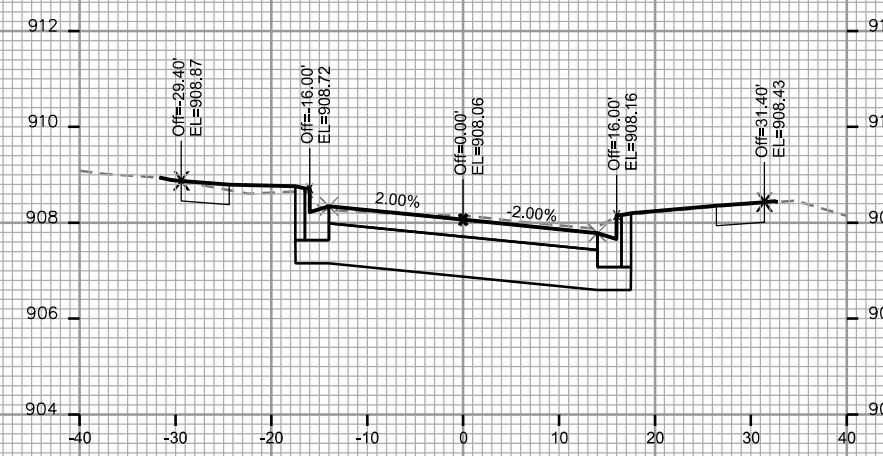
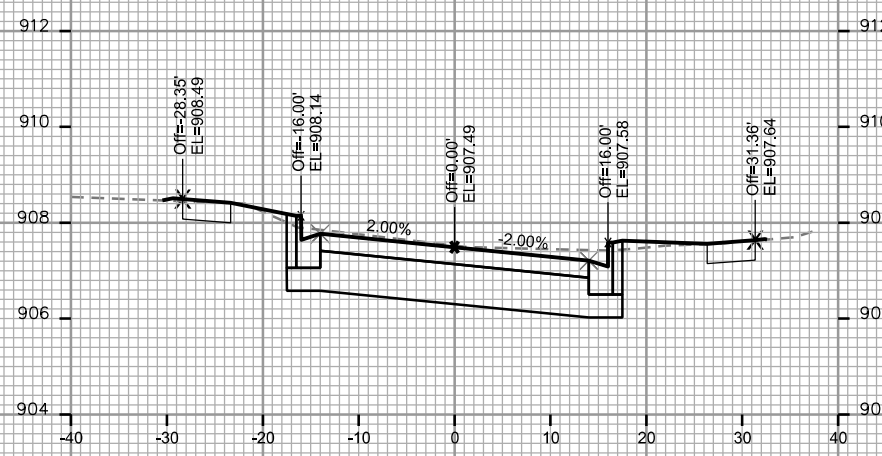
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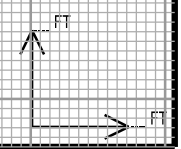
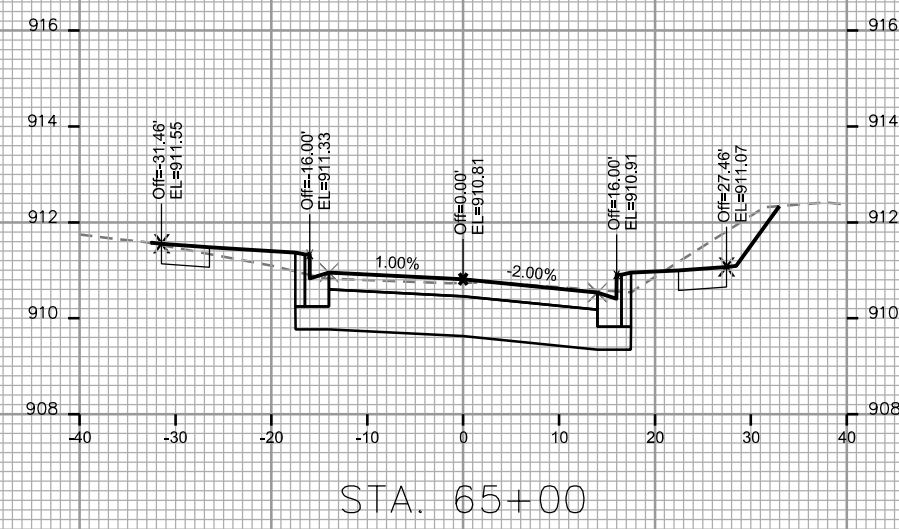
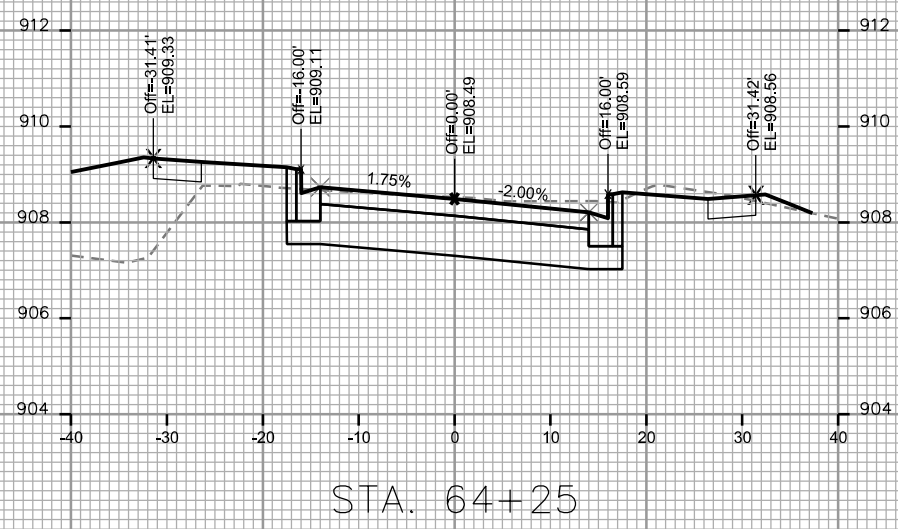
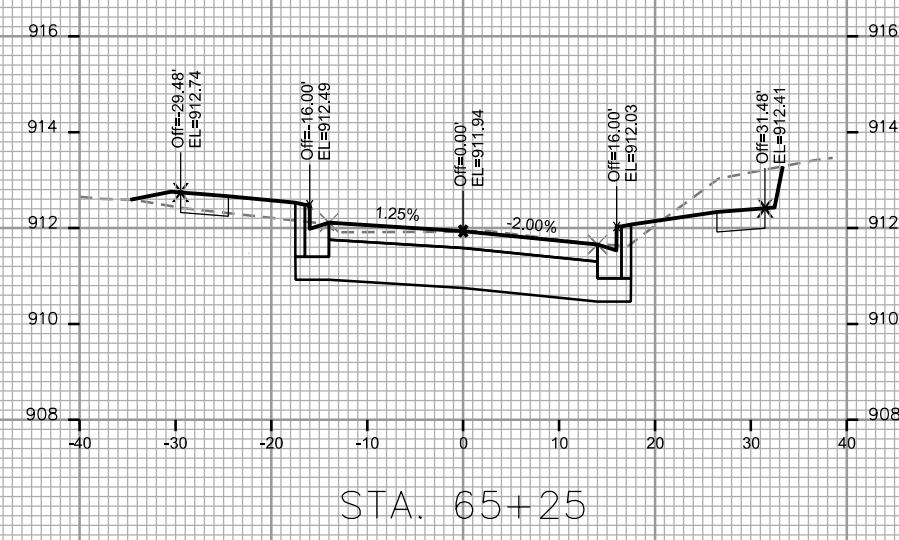
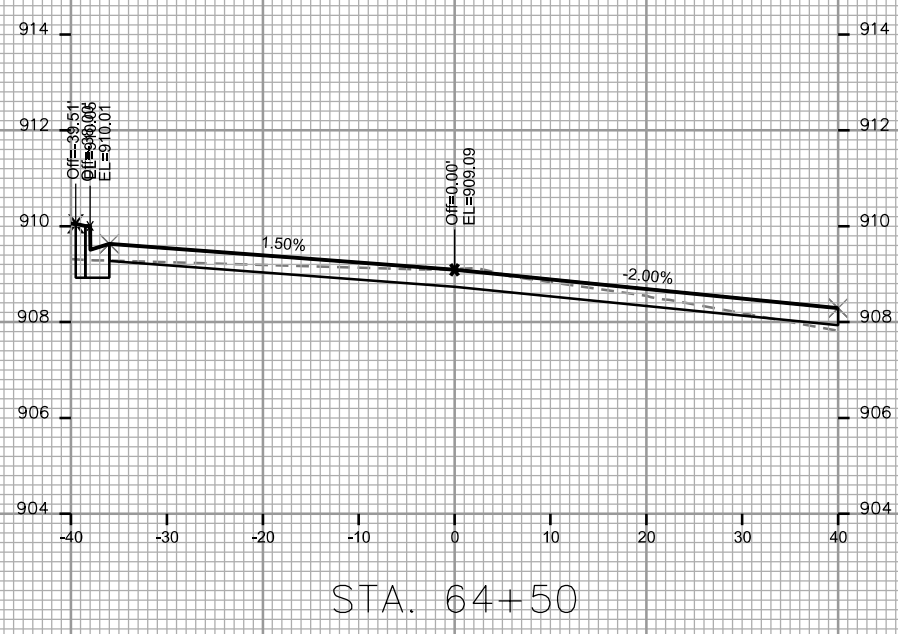
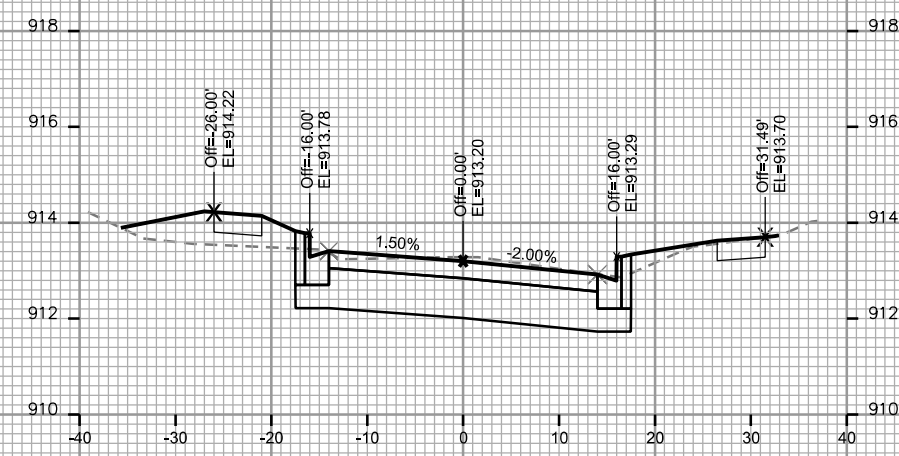
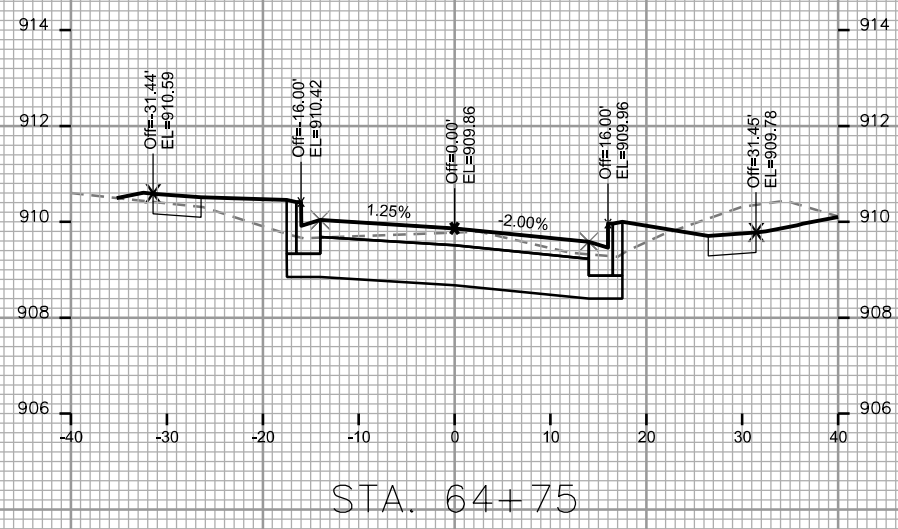
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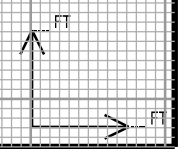
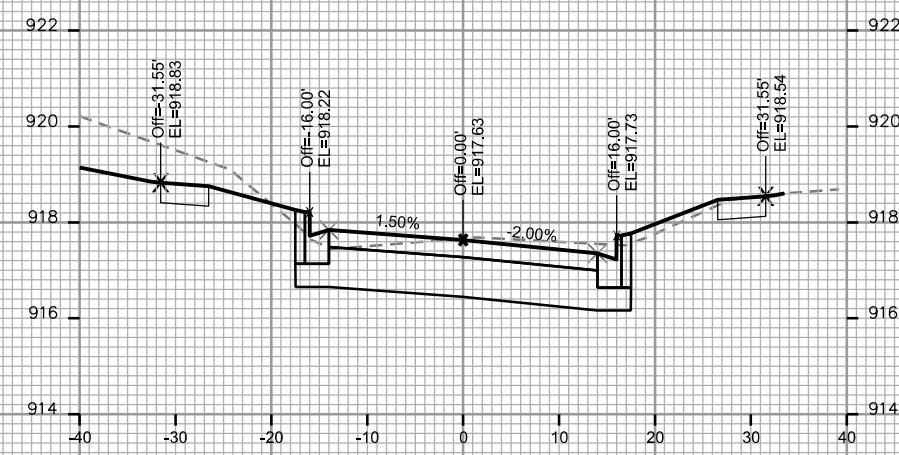
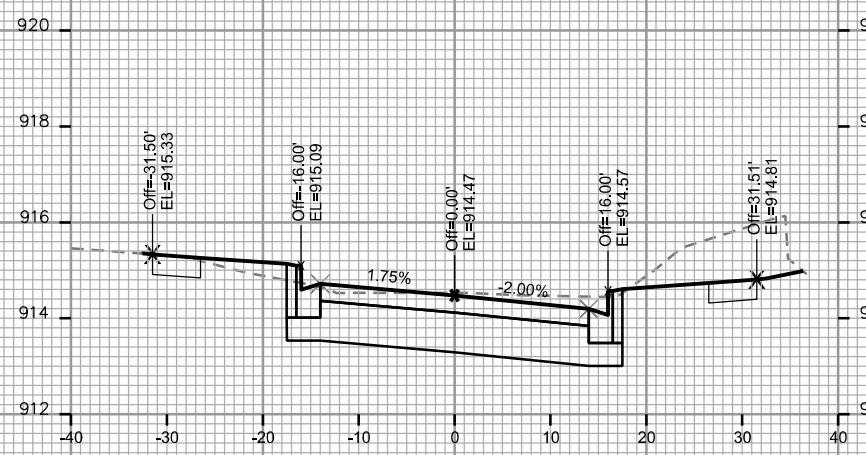
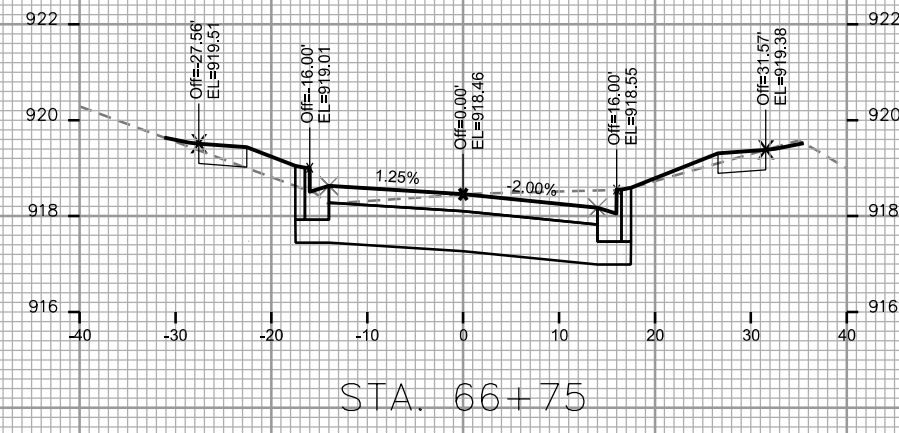
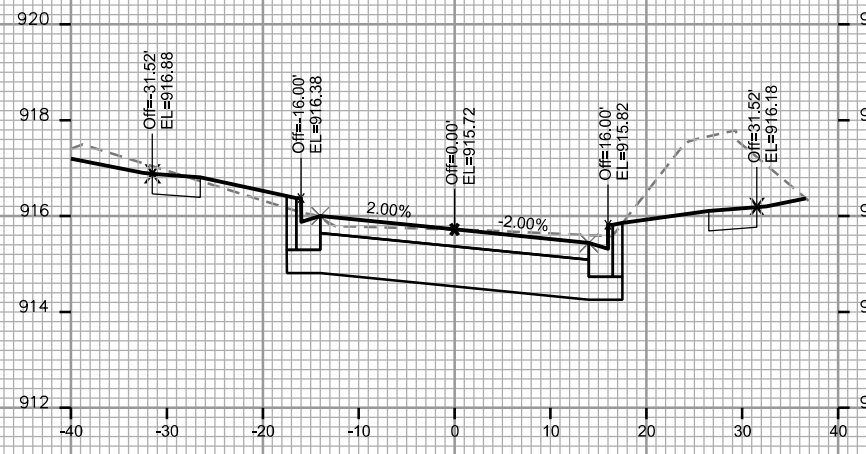
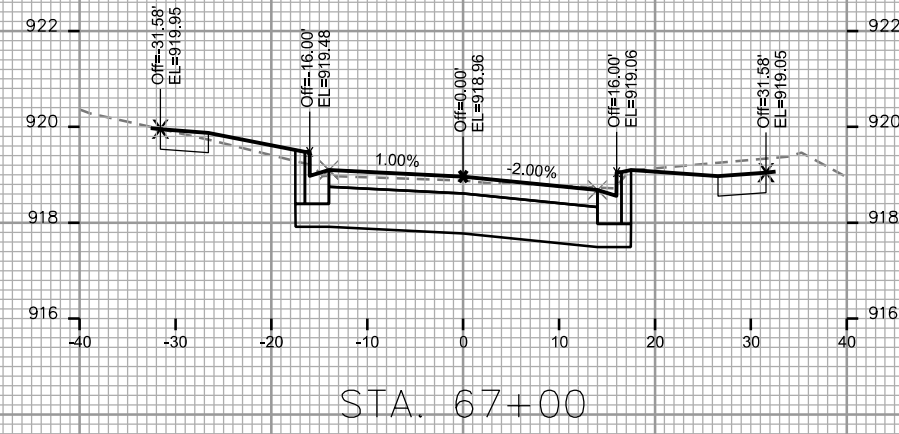
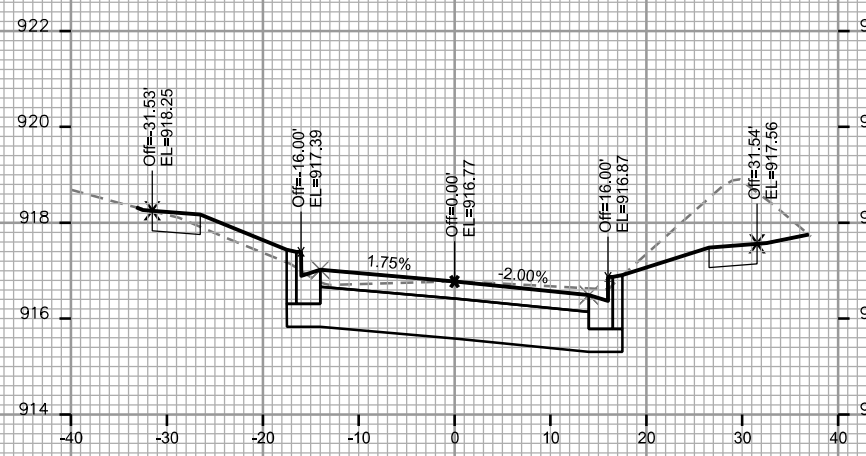
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION





PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



STA. 67+50



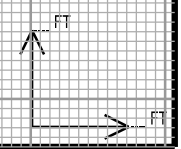
STA. 68+00



STA. 67+25



STA. 67+75



CROSS SECTIONS

ALLIS AVENUE

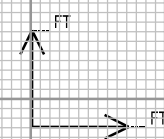
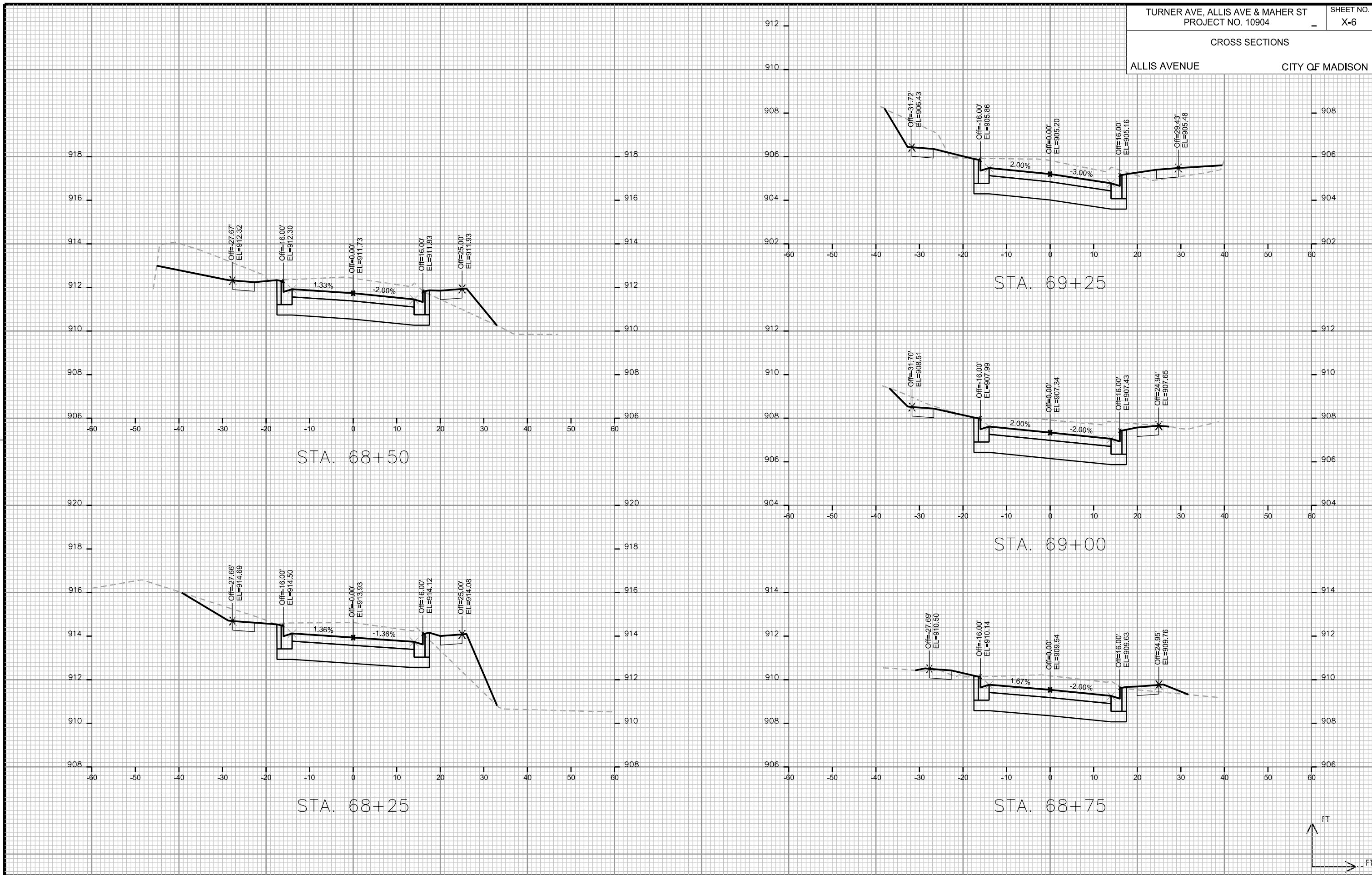
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION



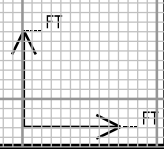
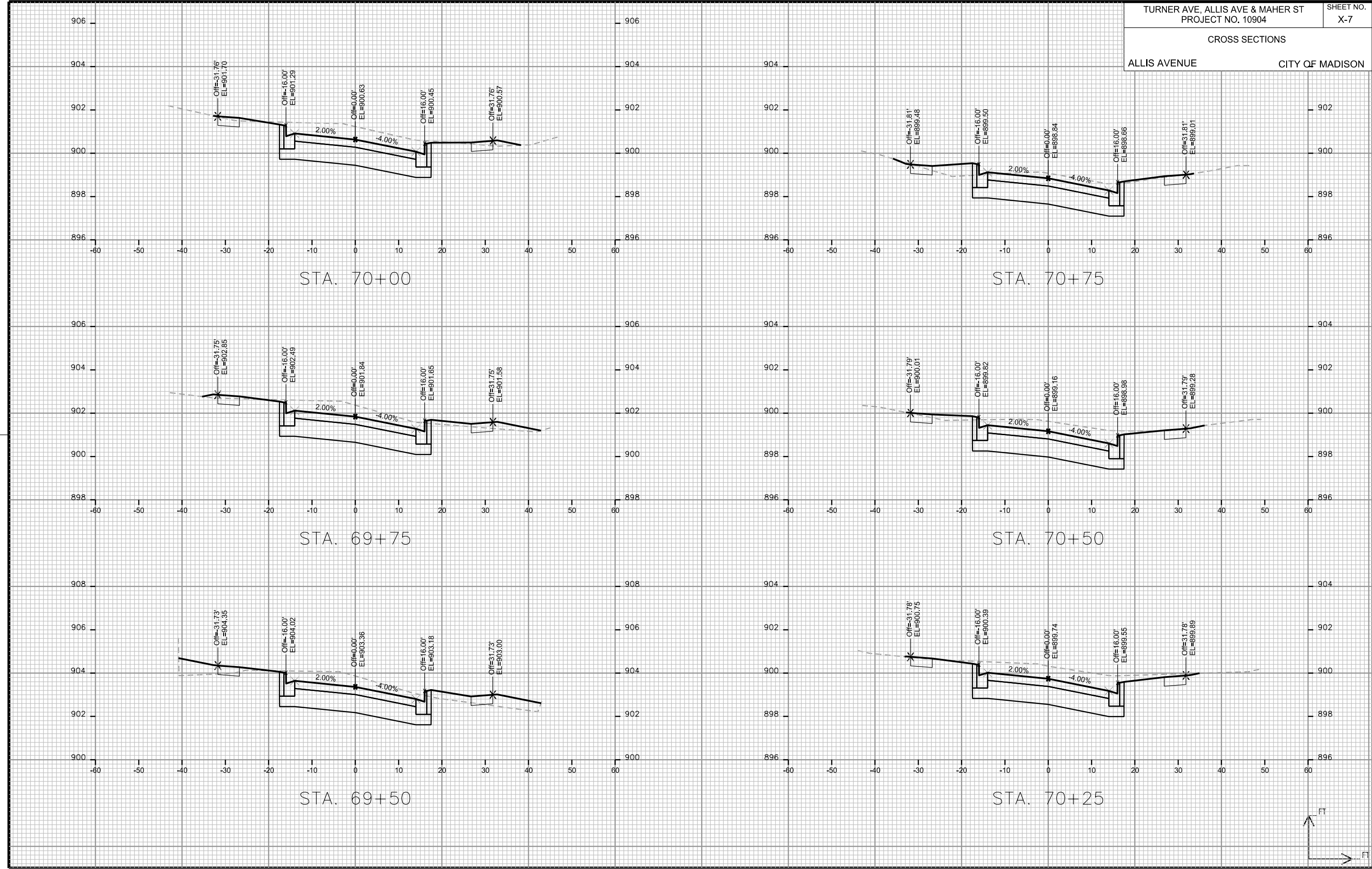
CROSS SECTIONS
ALLIS AVENUE CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

ALLIS AVENUE

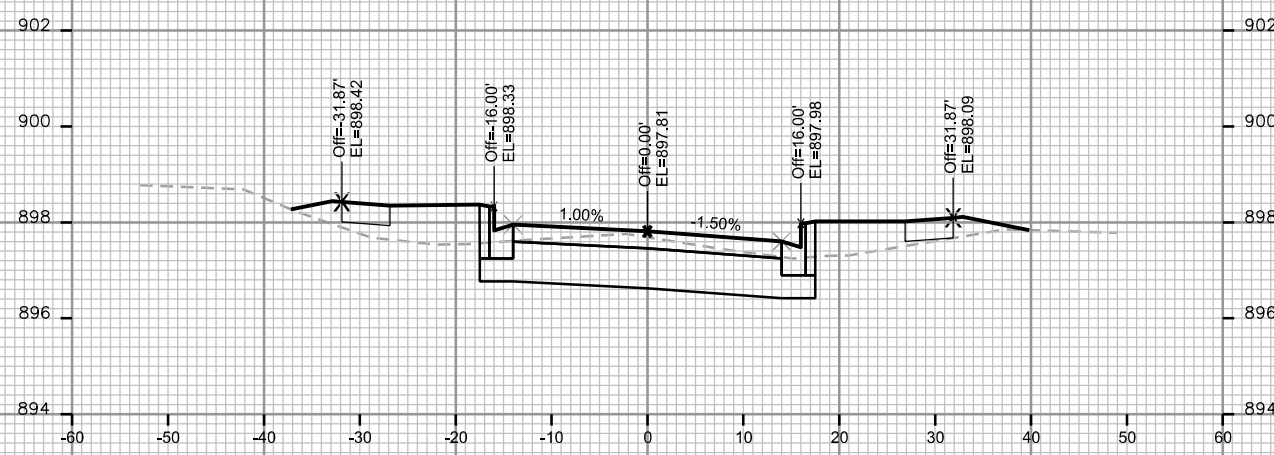
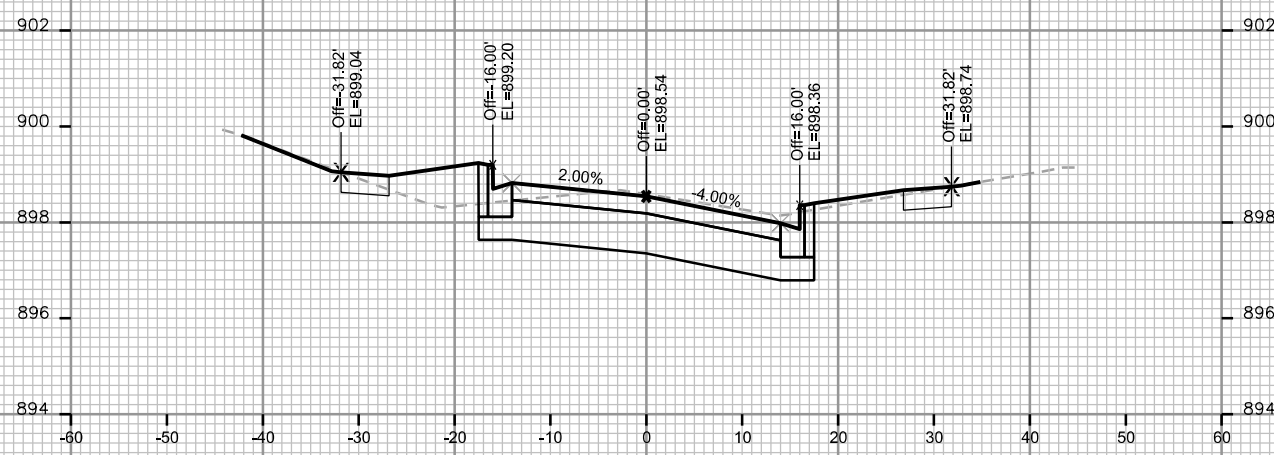
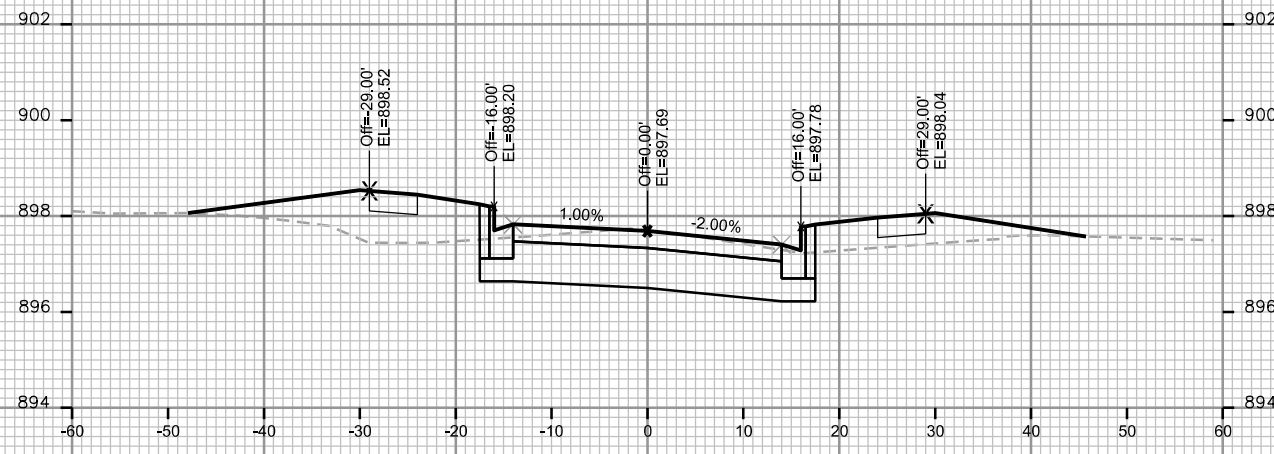
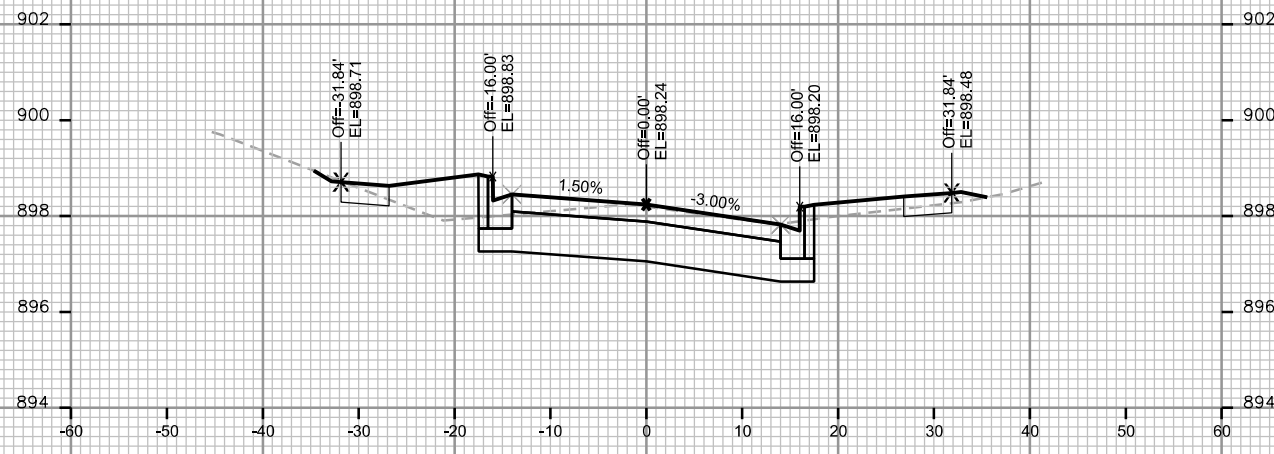
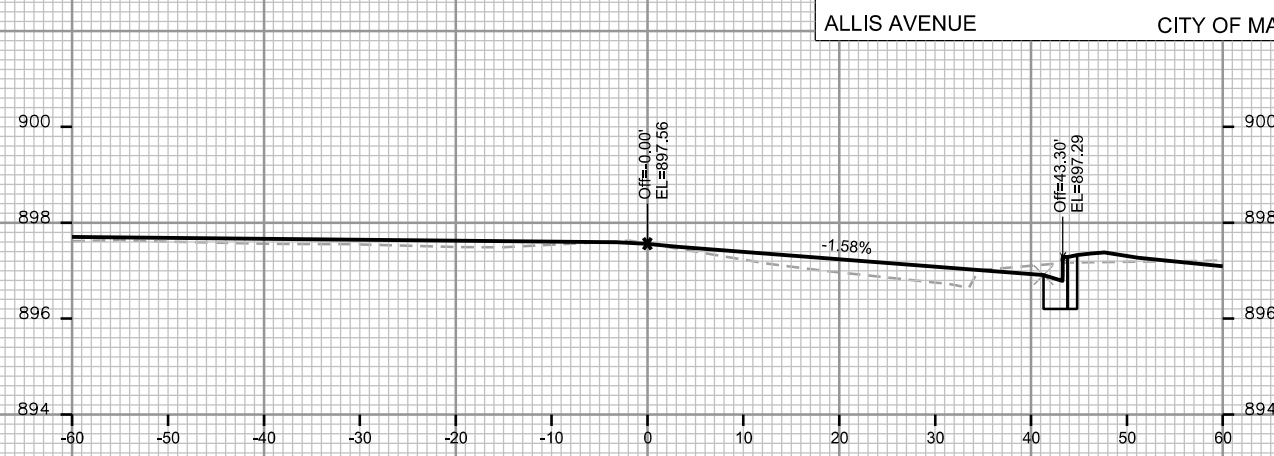
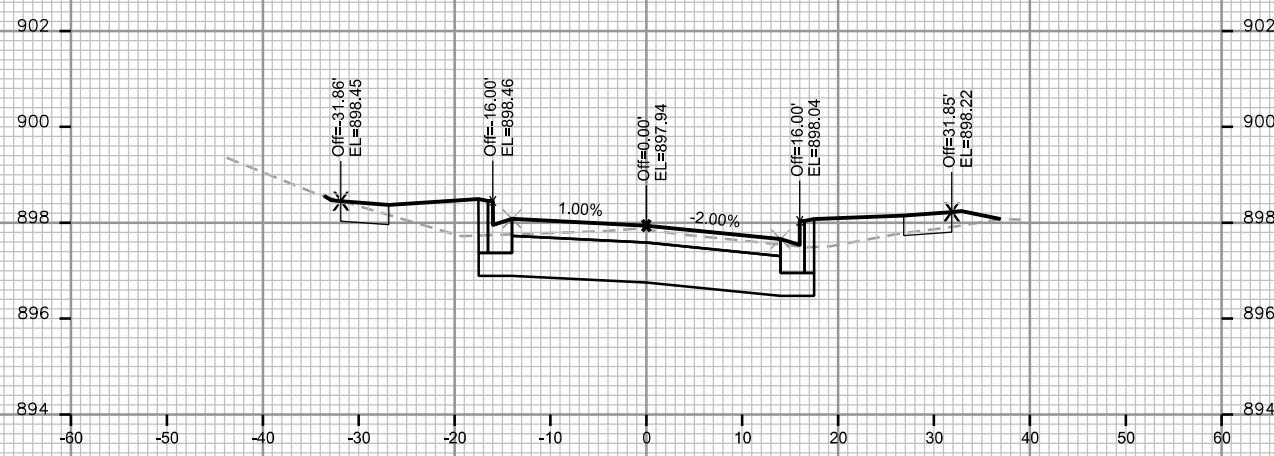
CITY OF MADISON

PLOT SCALE: _____

REV. NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION

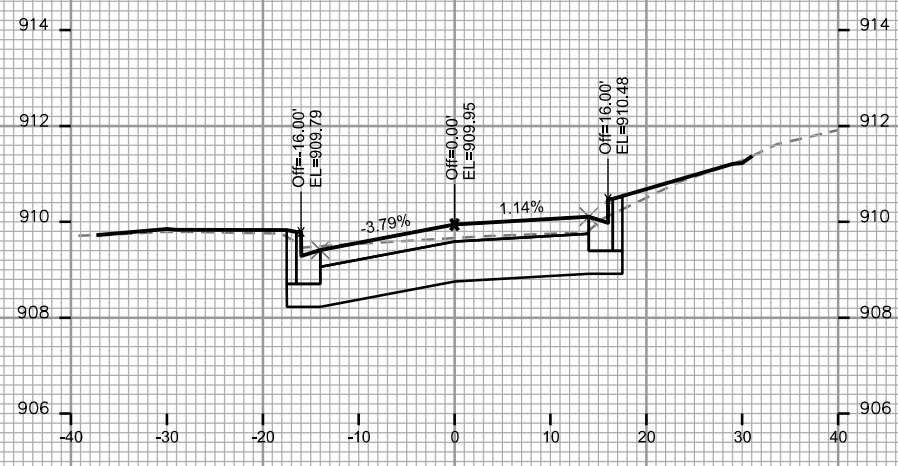


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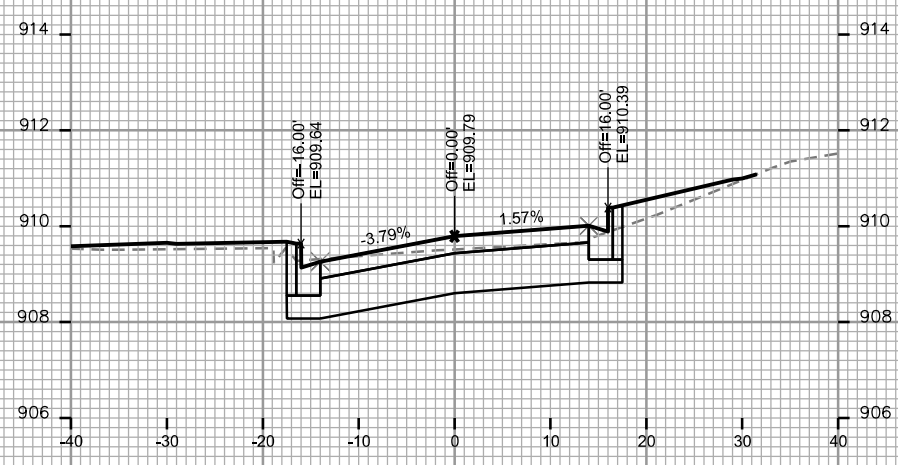
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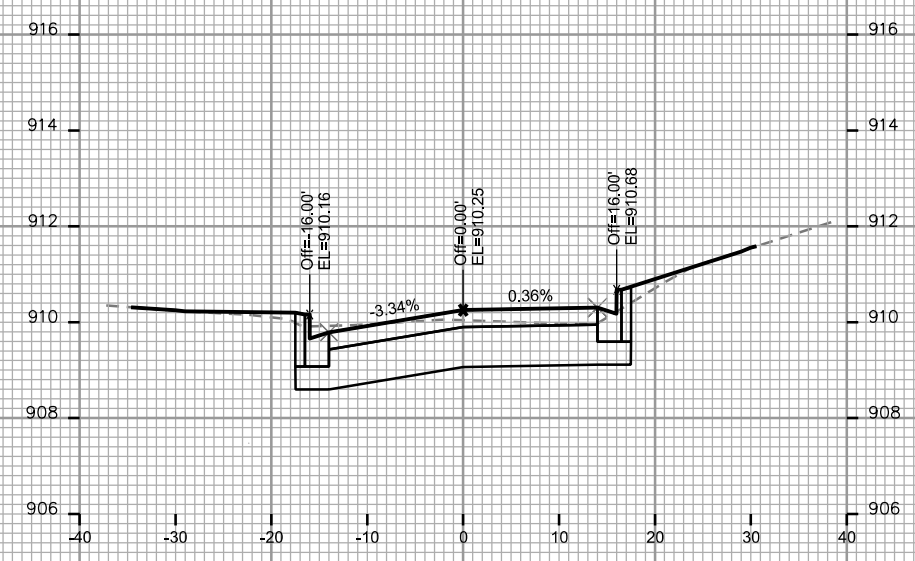
ORIGINATOR: CITY OF MADISON - STREETS DIVISION



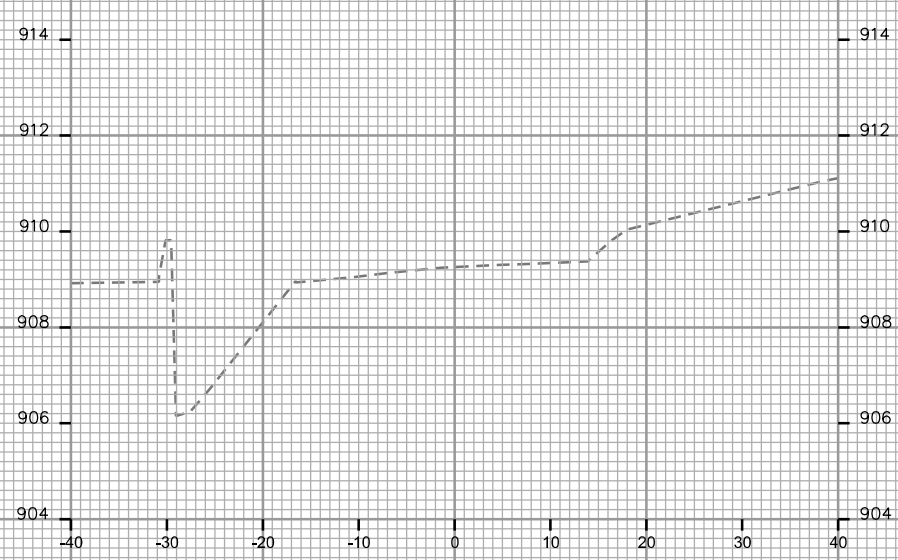
STA. 91+75



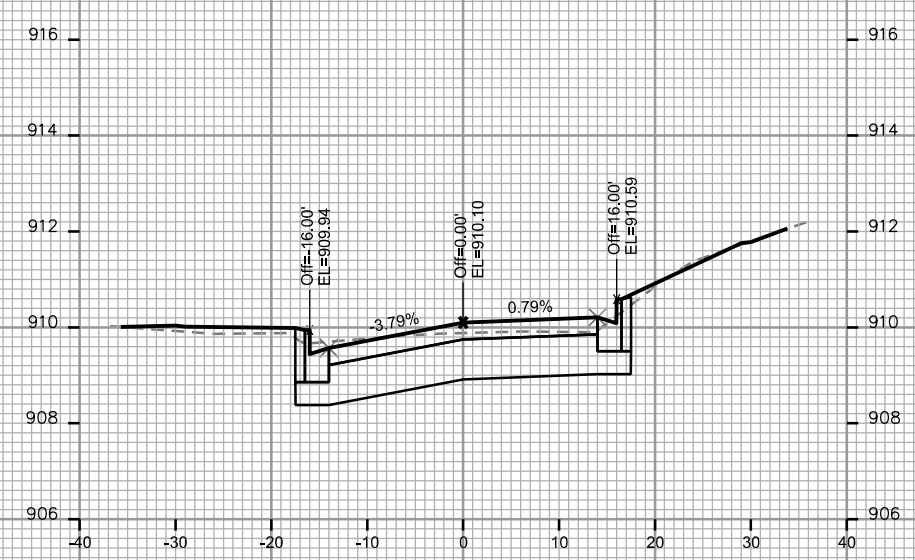
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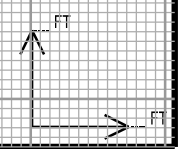
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STA. 91+25



STA. 92+00



PLOT SCALE: _____

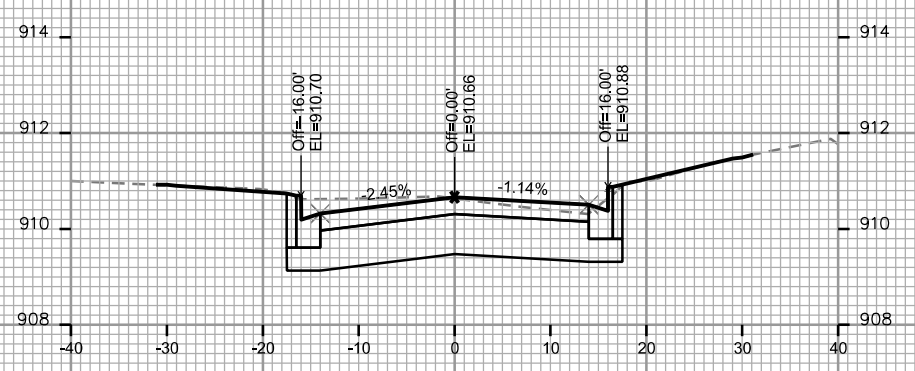
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REV. DATE: _____

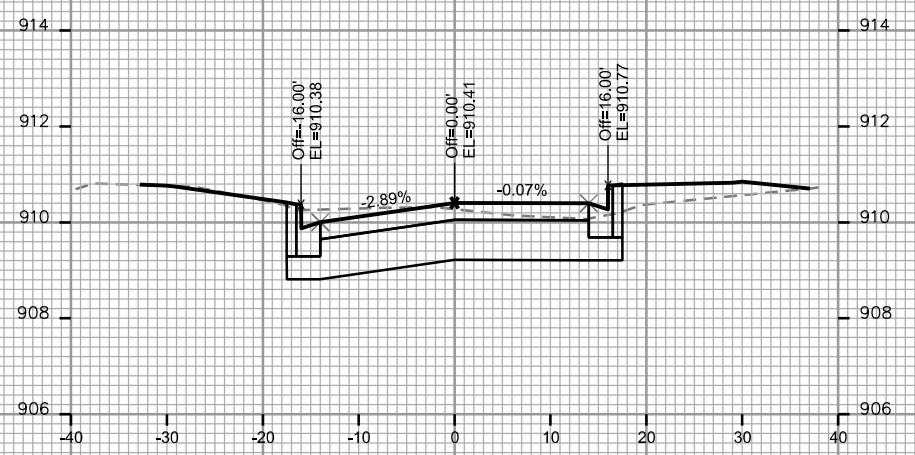
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



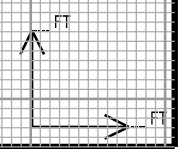
STA. 93+00



STA. 92+75



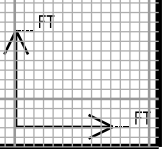
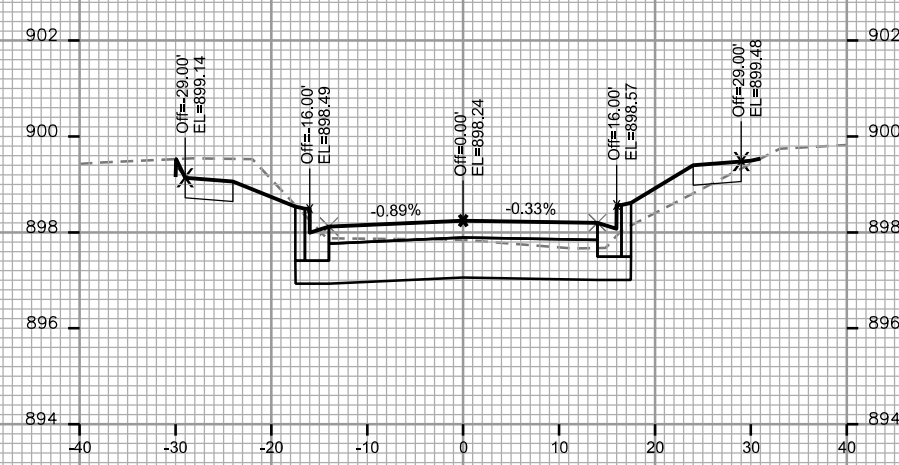
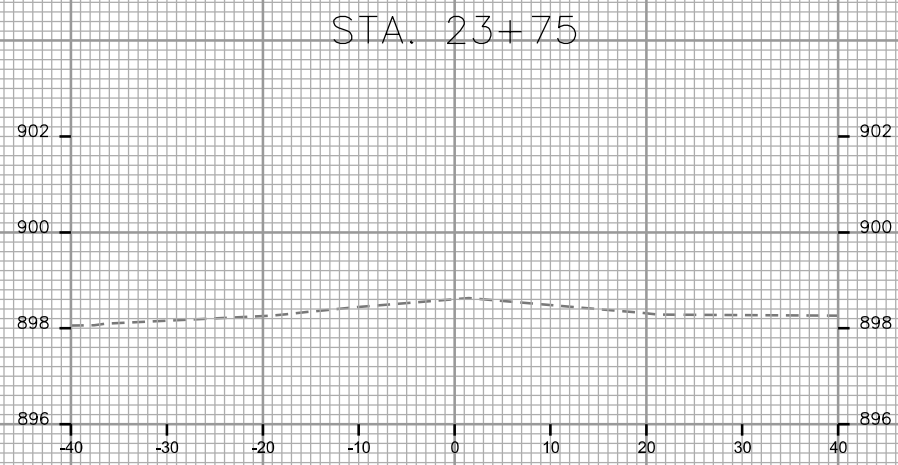
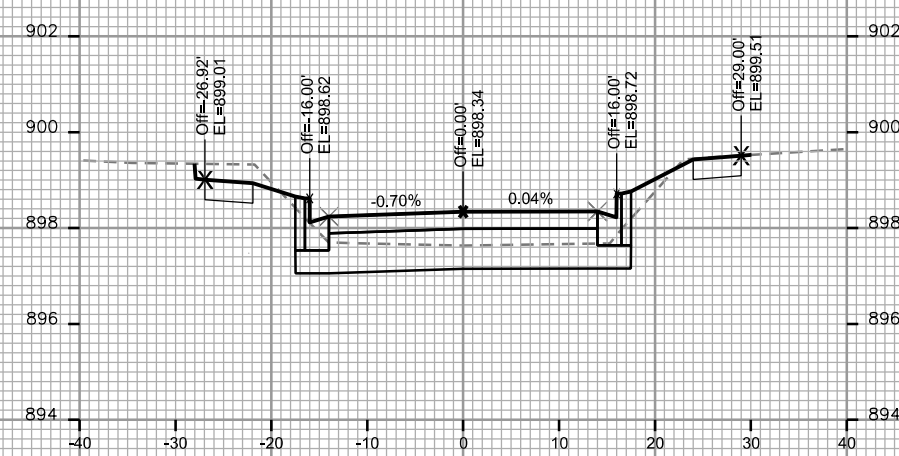
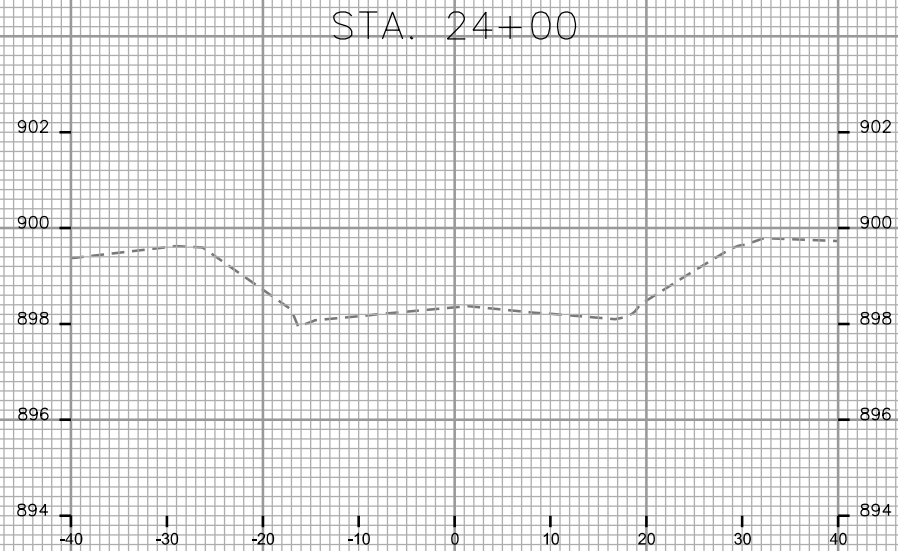
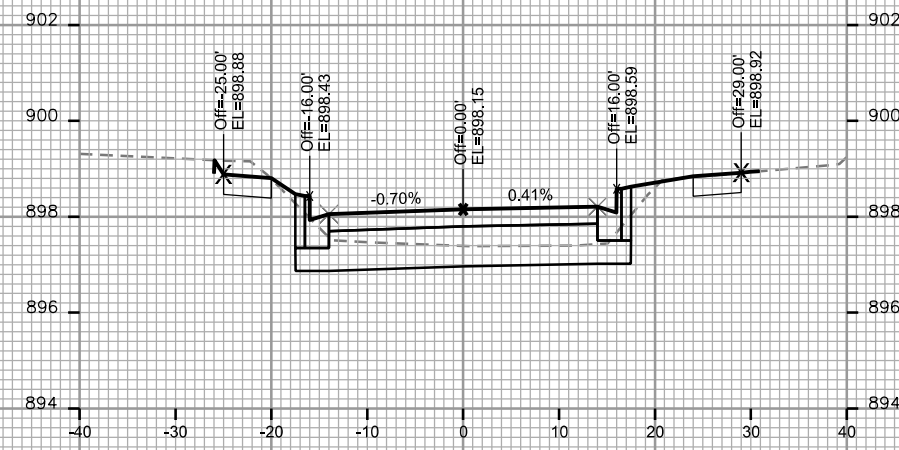
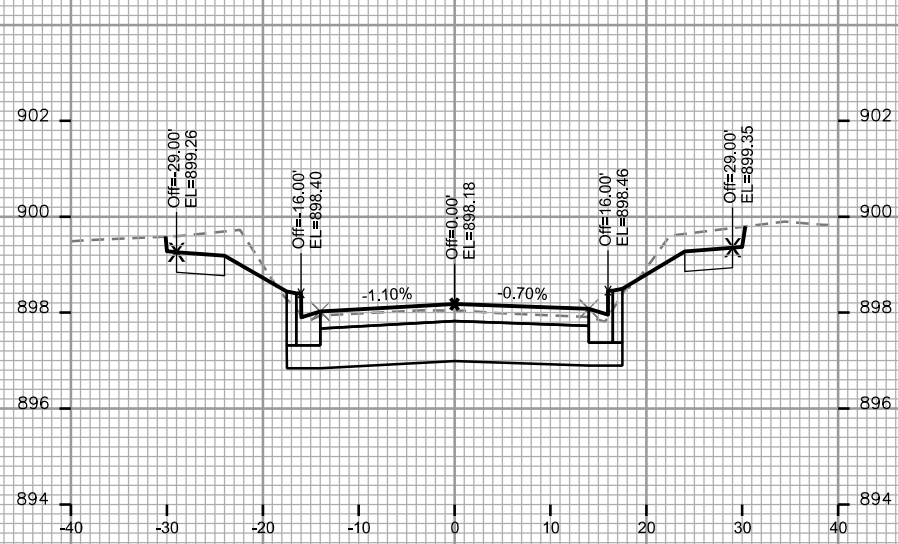
STA. 92+50



CROSS SECTIONS

TURNER AVENUE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

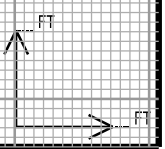
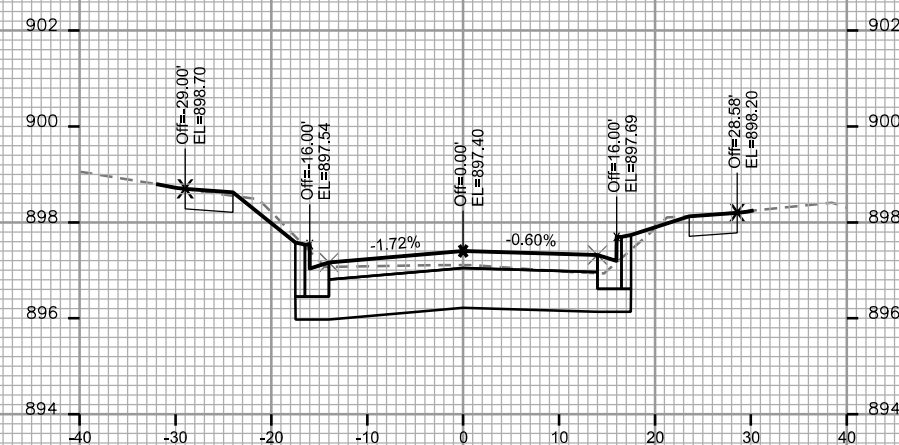
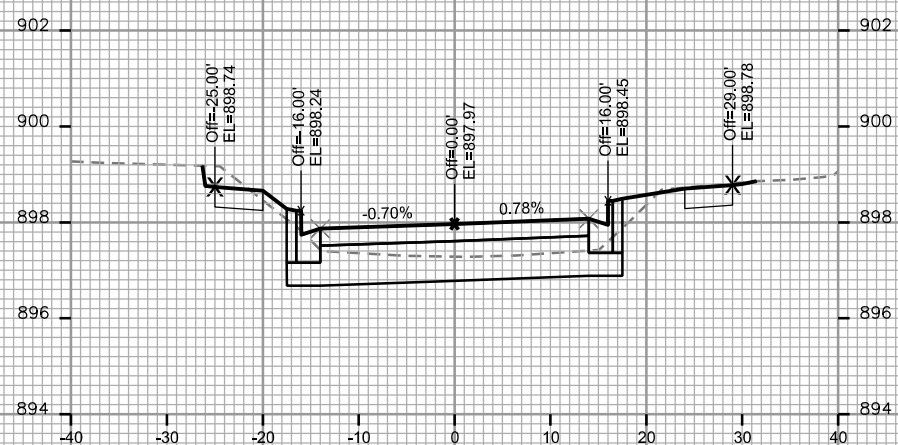
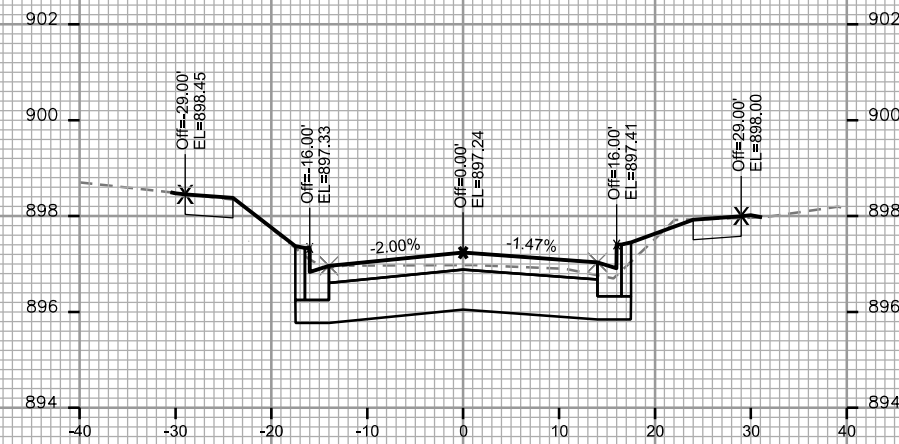
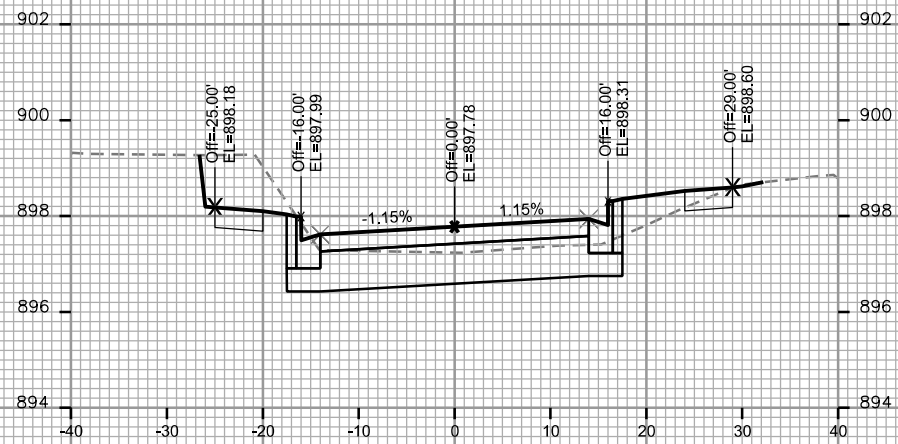
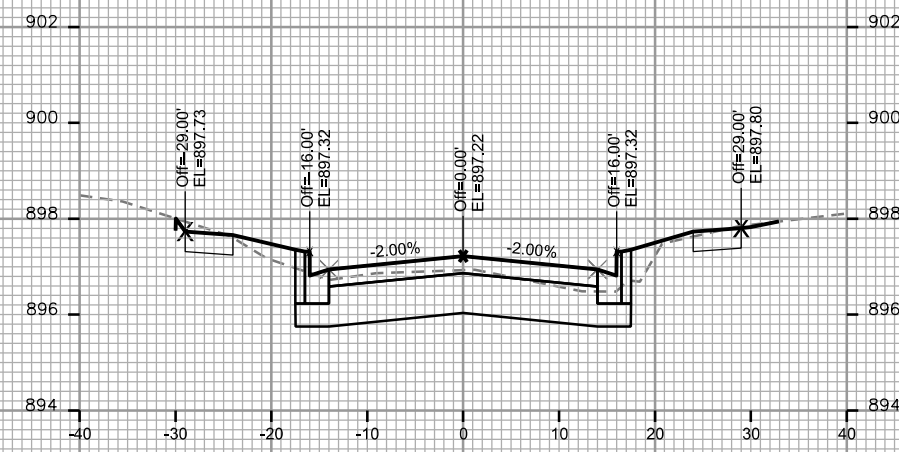
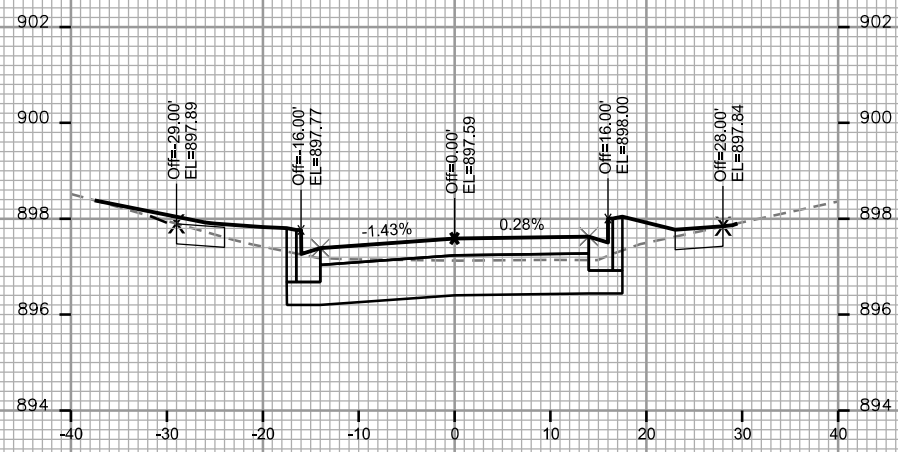
REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

TURNER AVENUE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

CROSS SECTIONS

TURNER AVEUE

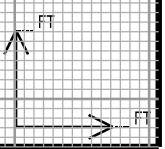
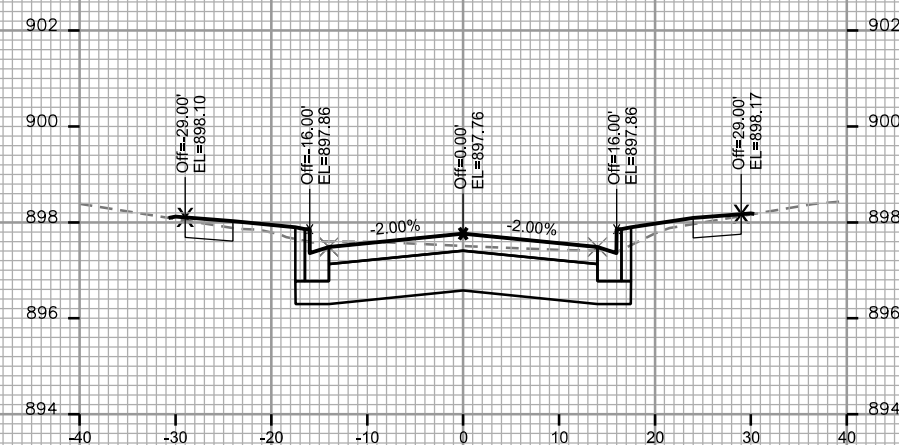
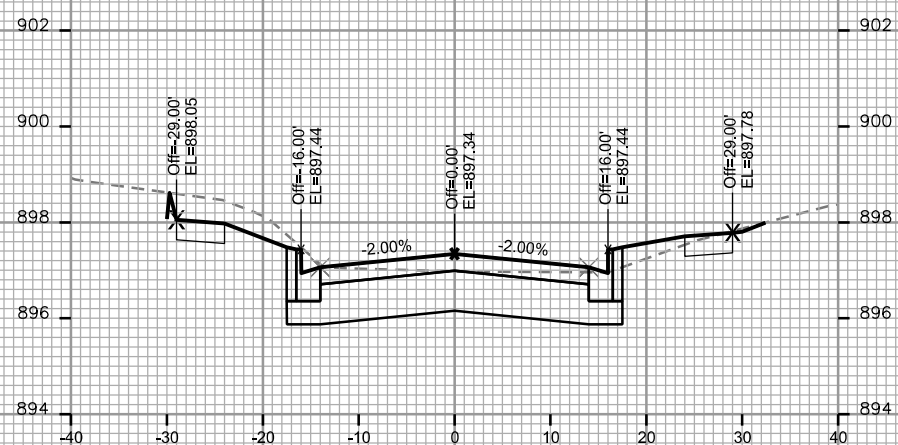
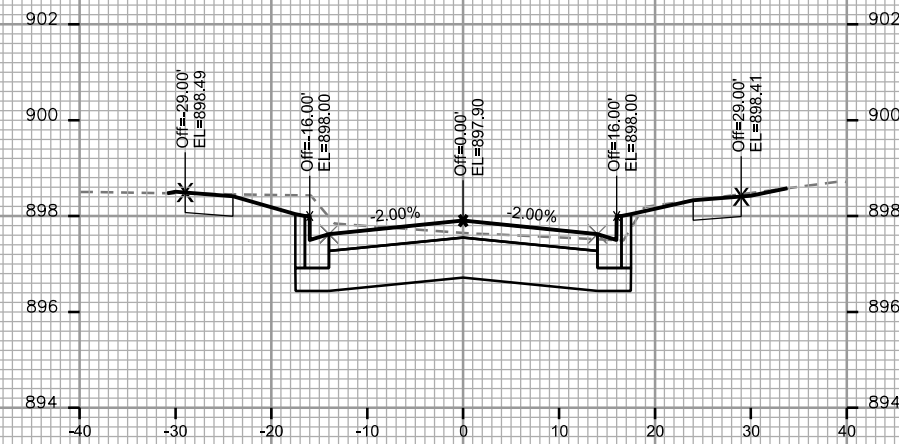
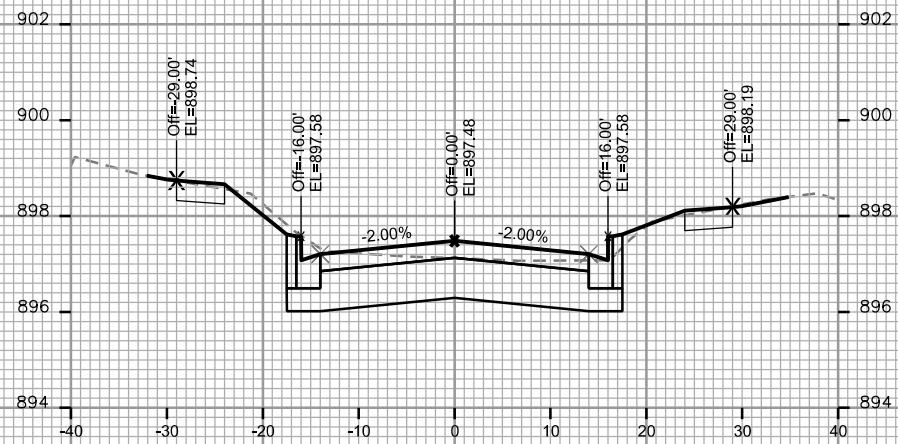
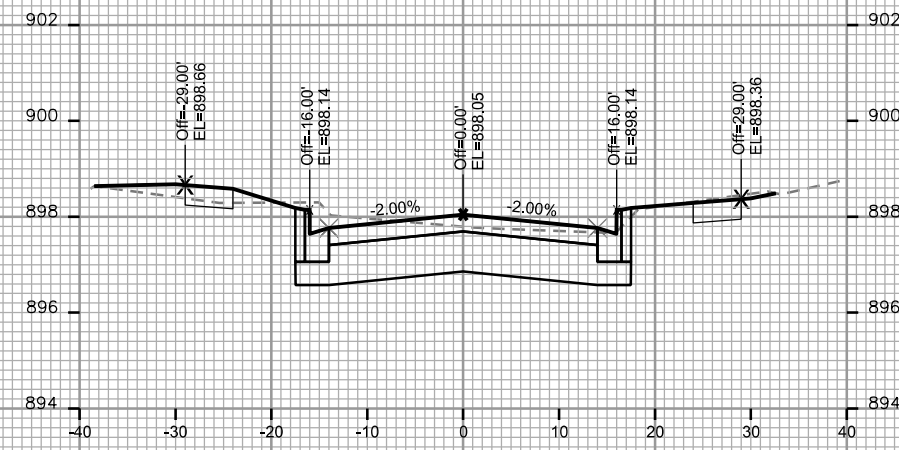
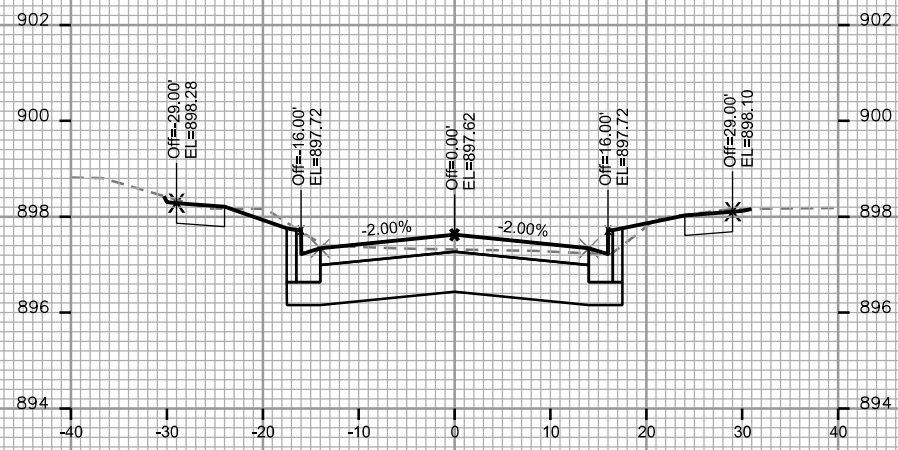
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

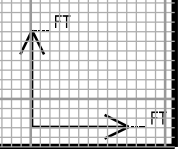
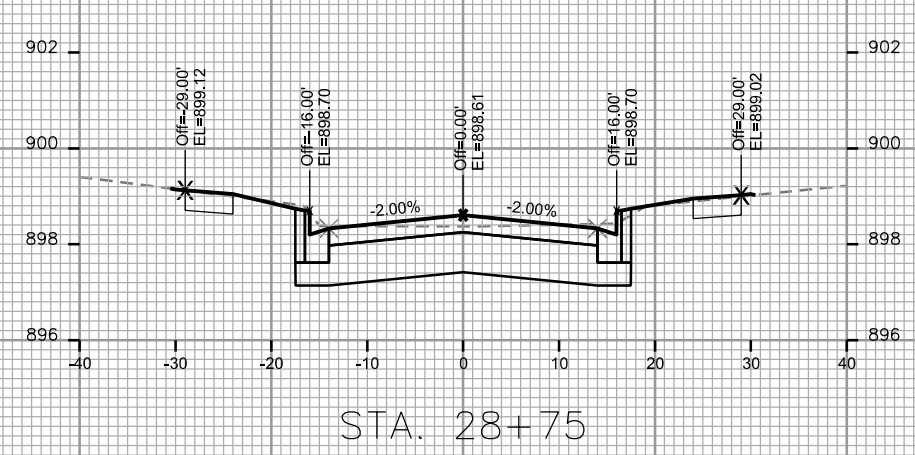
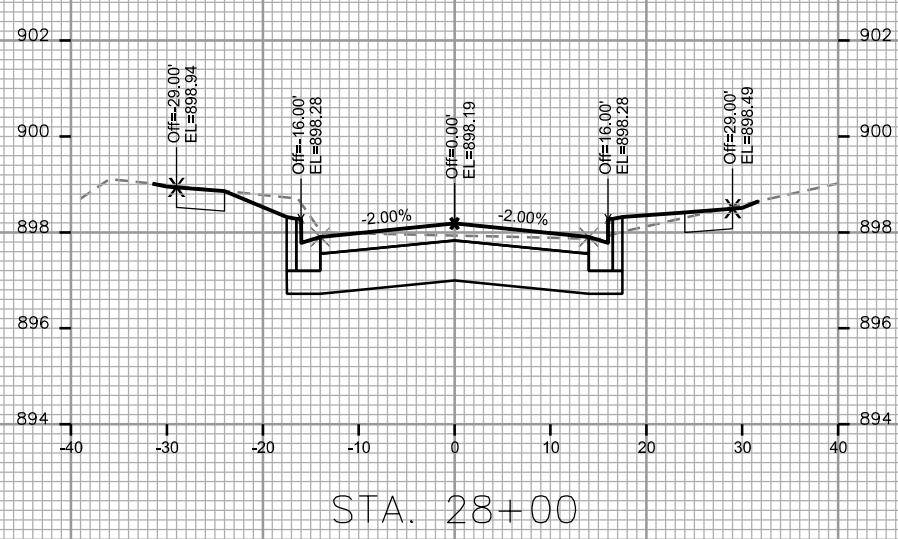
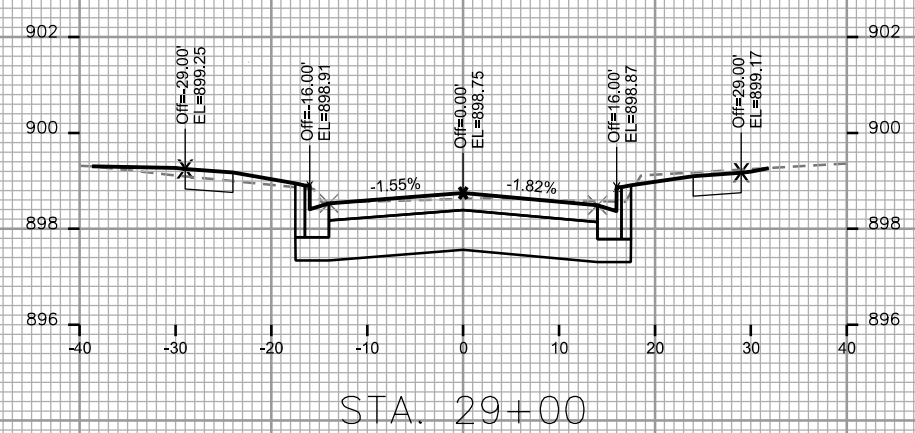
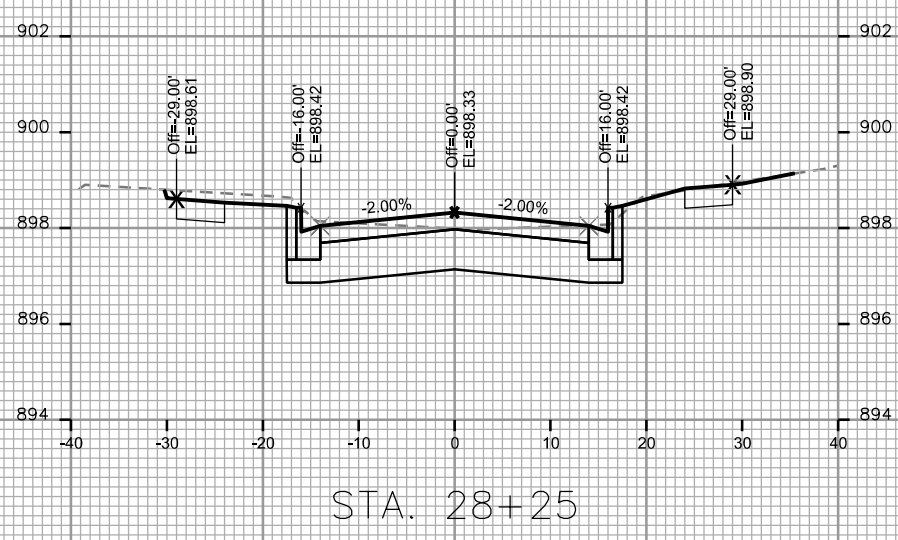
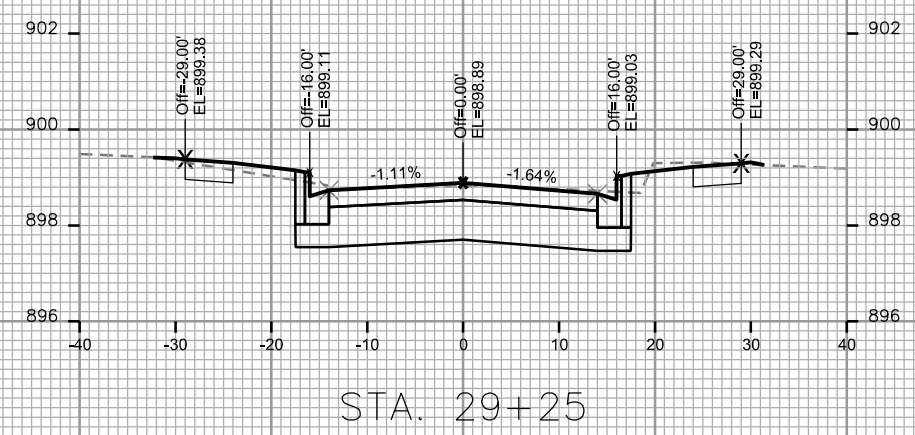
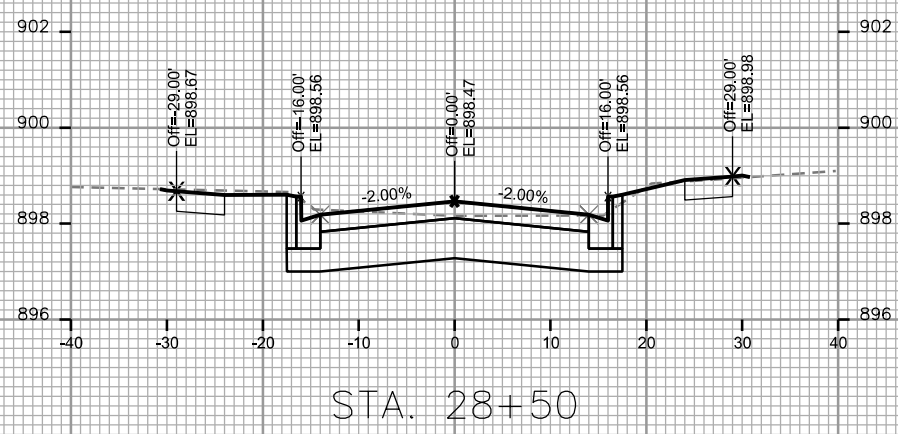


PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

TURNER AVENUE

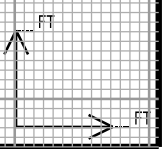
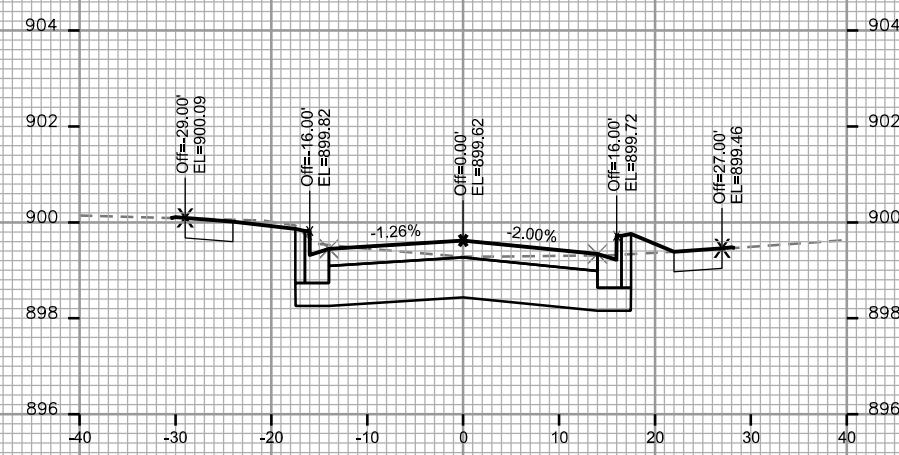
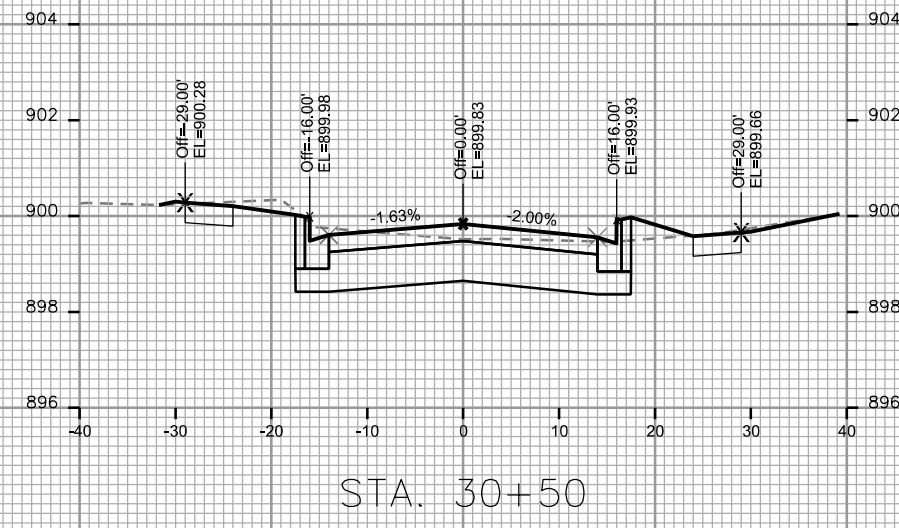
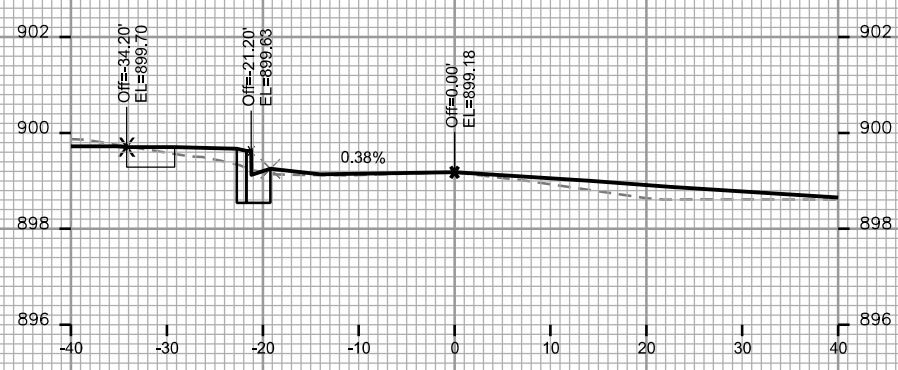
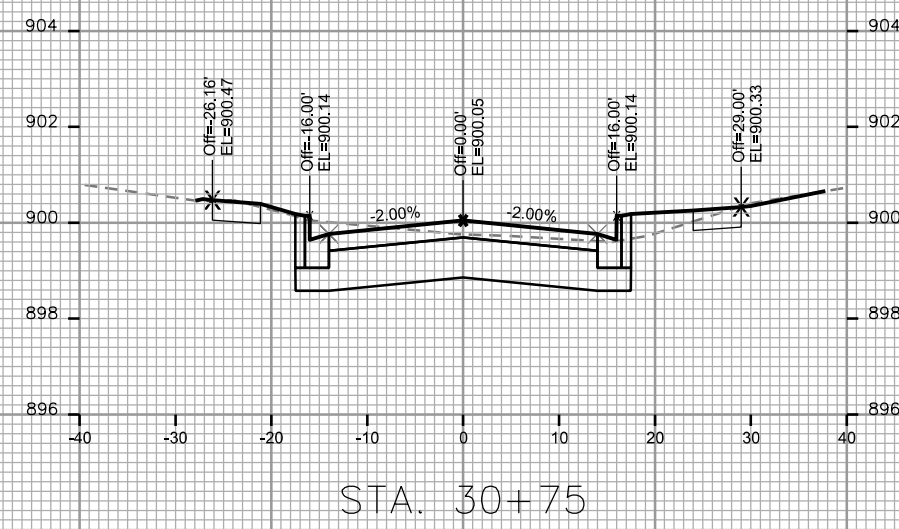
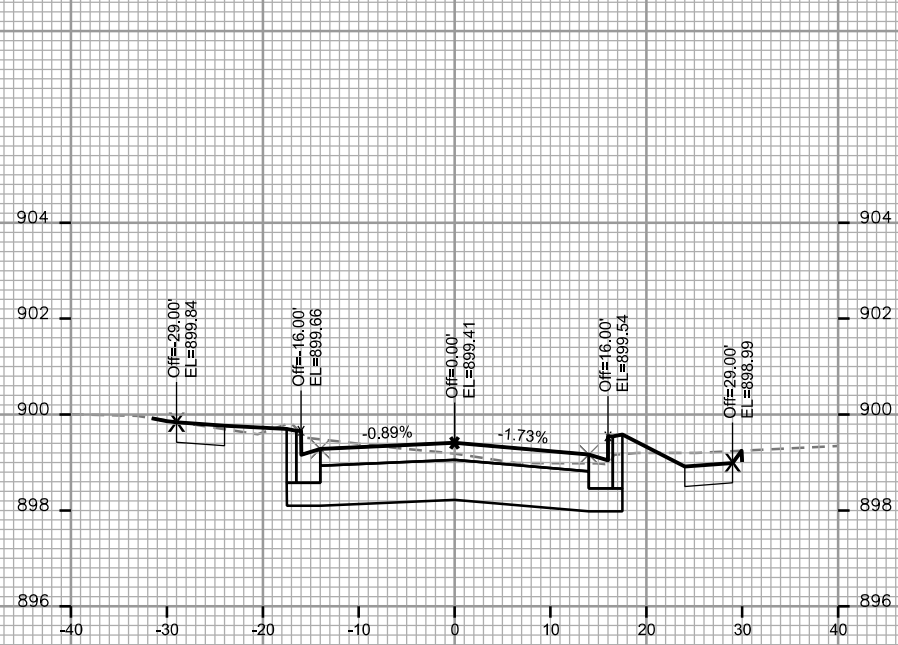
CITY OF MADISON

PLOT SCALE: _____

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ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

TURNER AVENUE

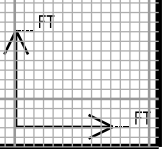
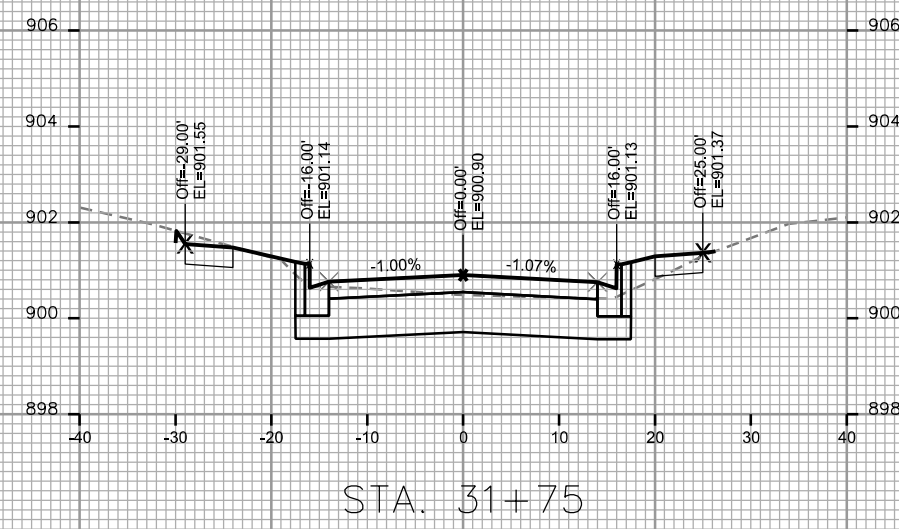
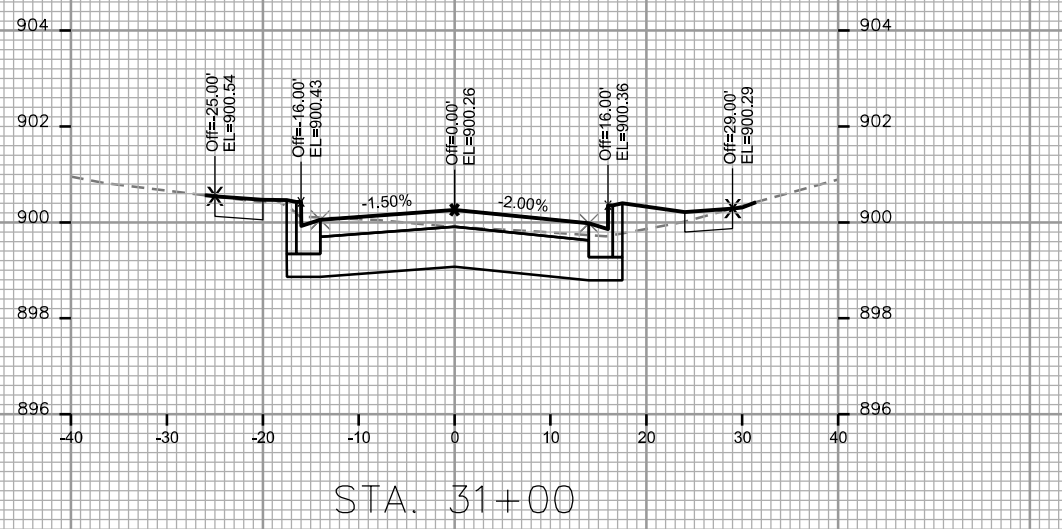
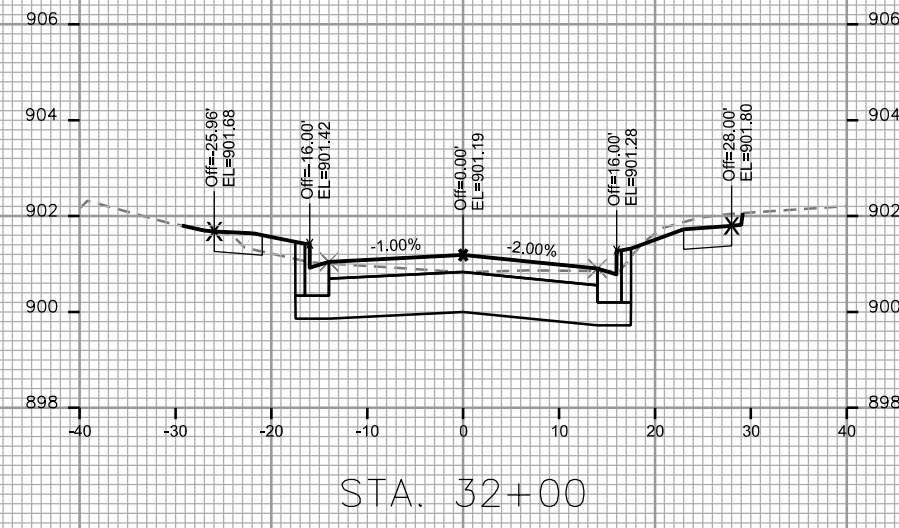
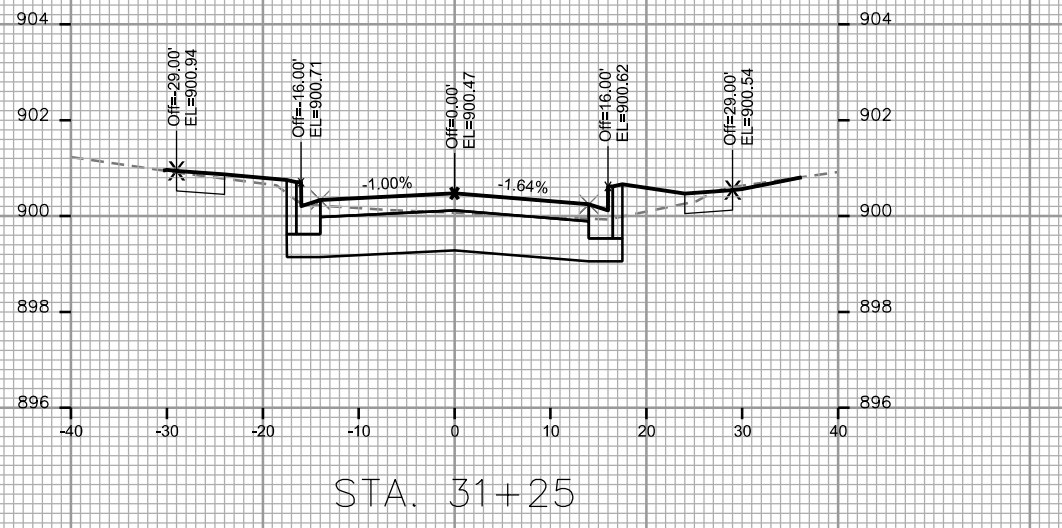
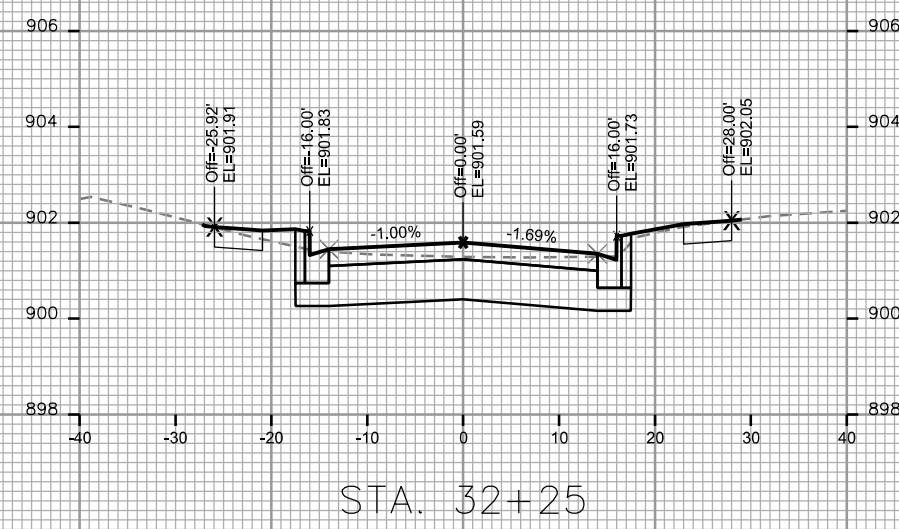
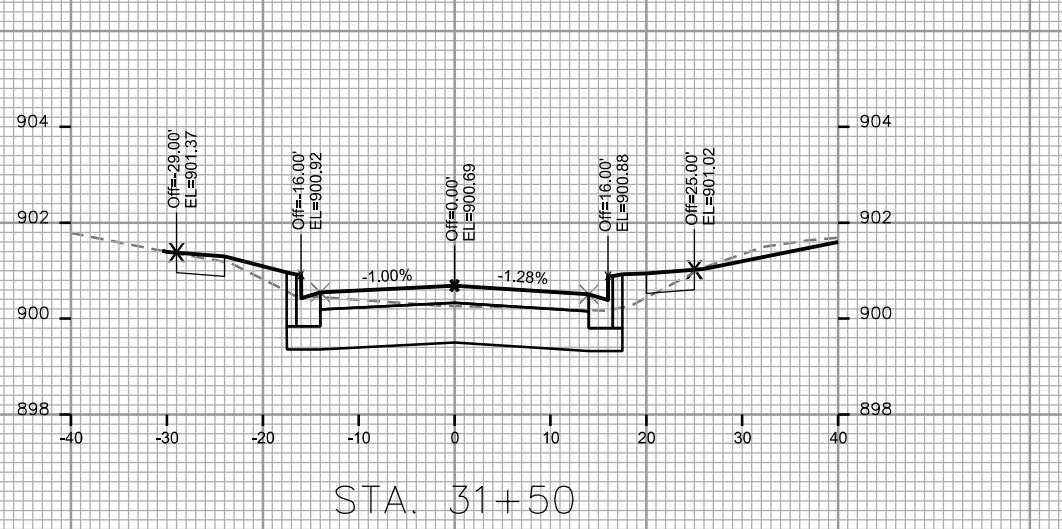
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

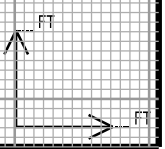
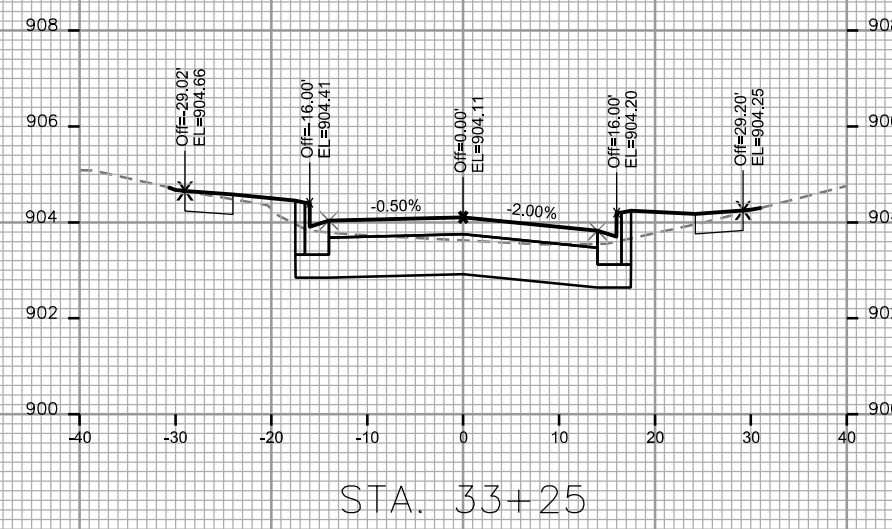
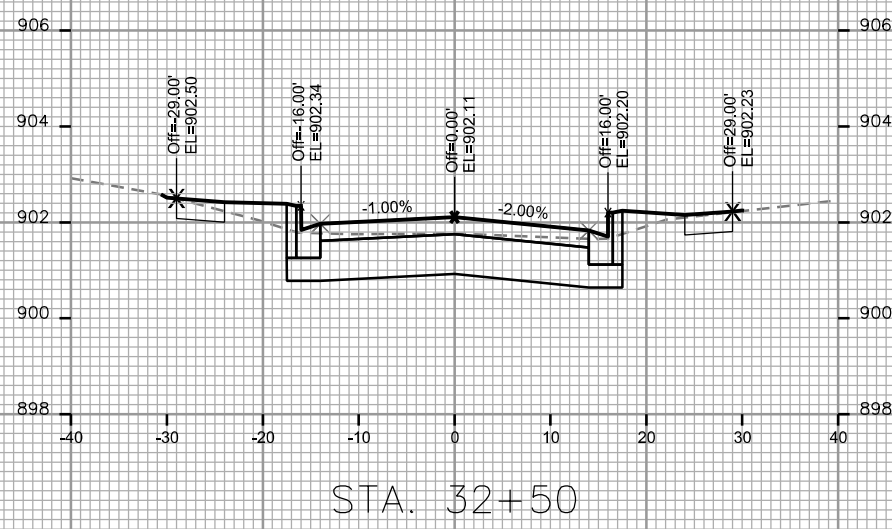
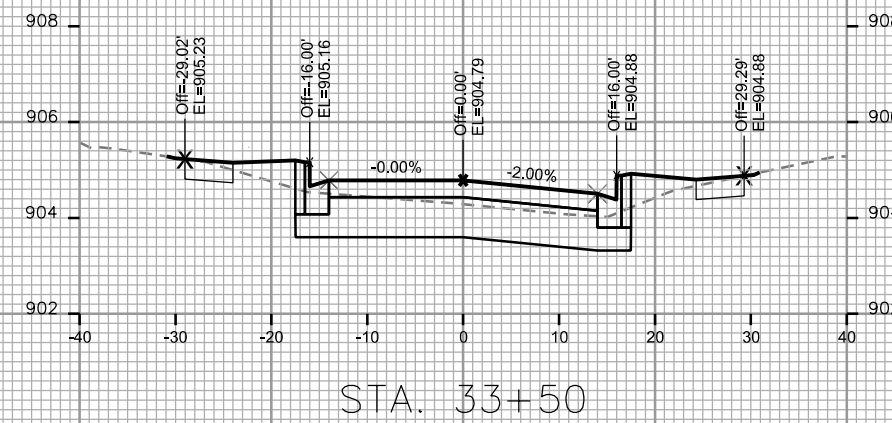
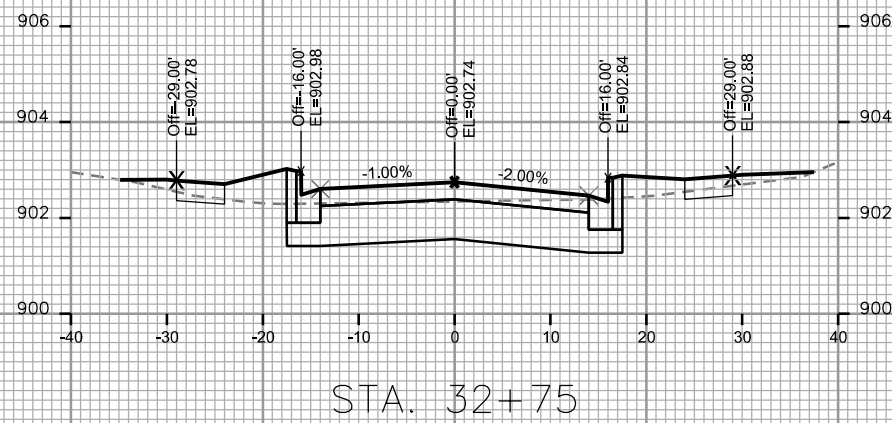
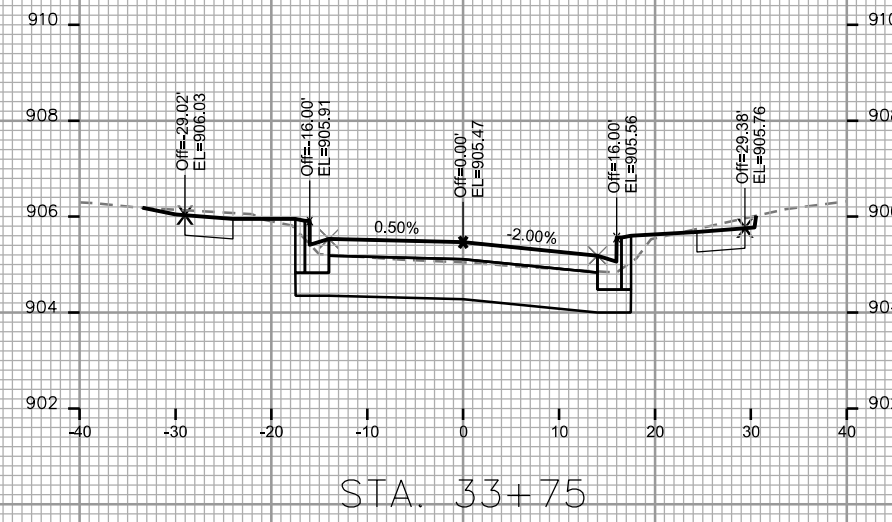
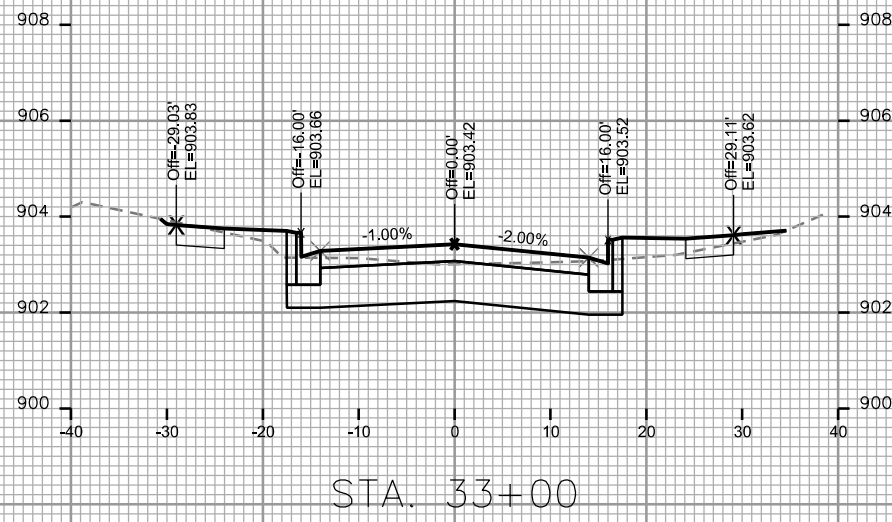
ORIGINATOR: CITY OF MADISON, STREETS DIVISION



CROSS SECTIONS

TURNER AVENUE

CITY OF MADISON



PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

CROSS SECTIONS

TURNER AVENUE

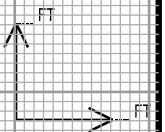
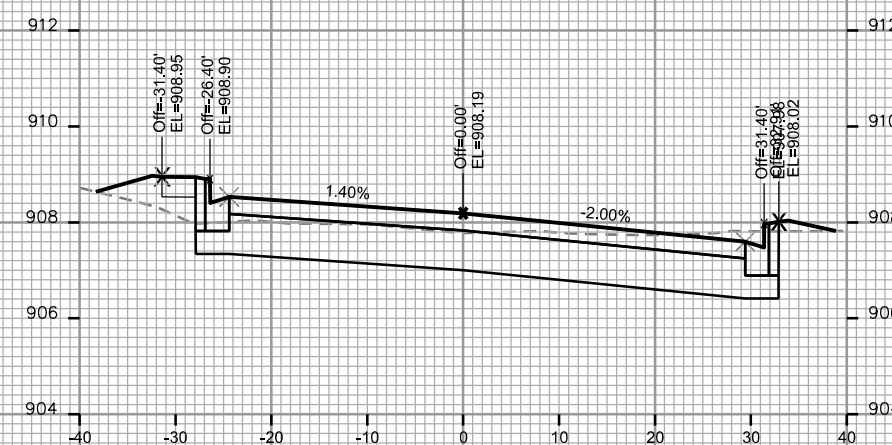
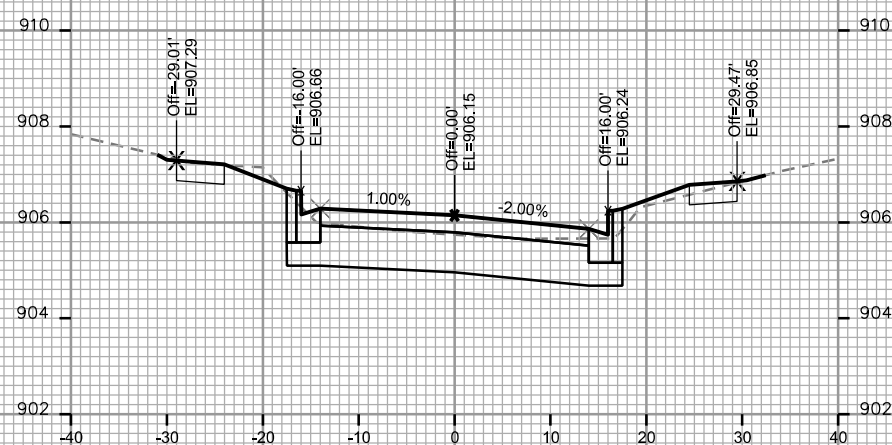
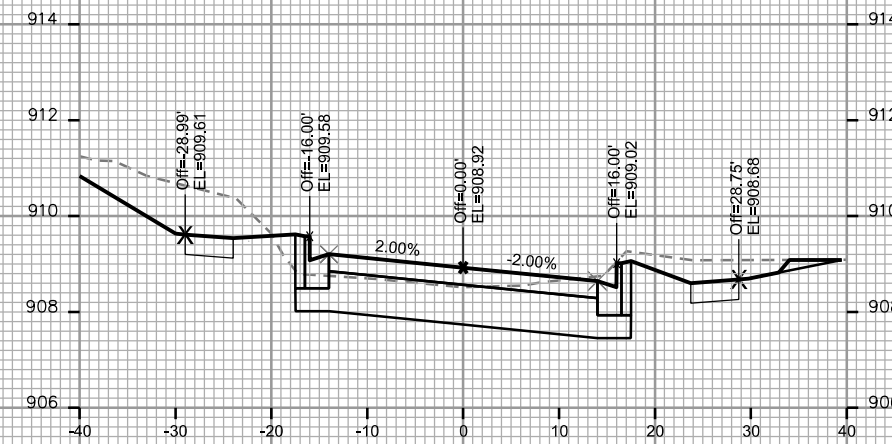
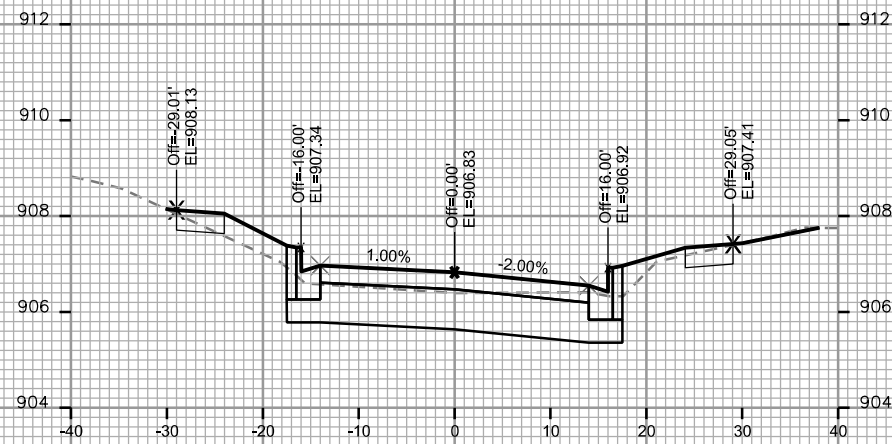
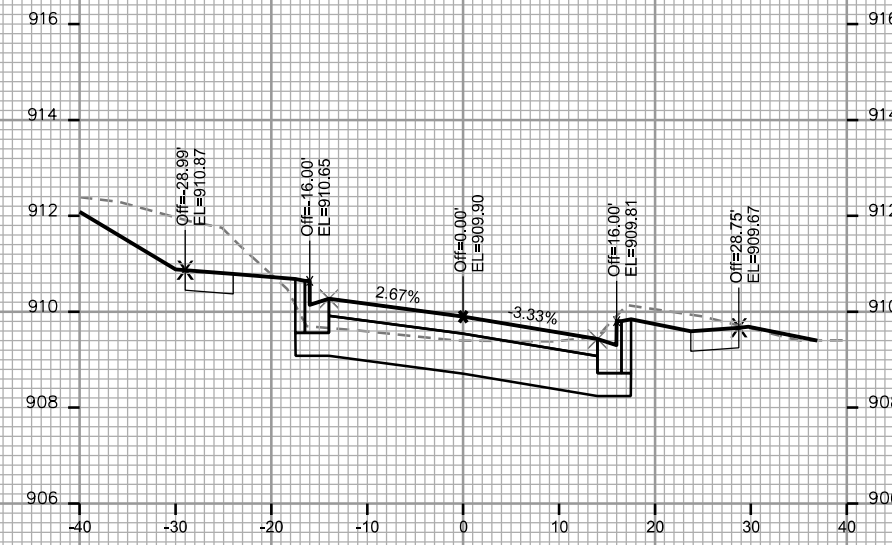
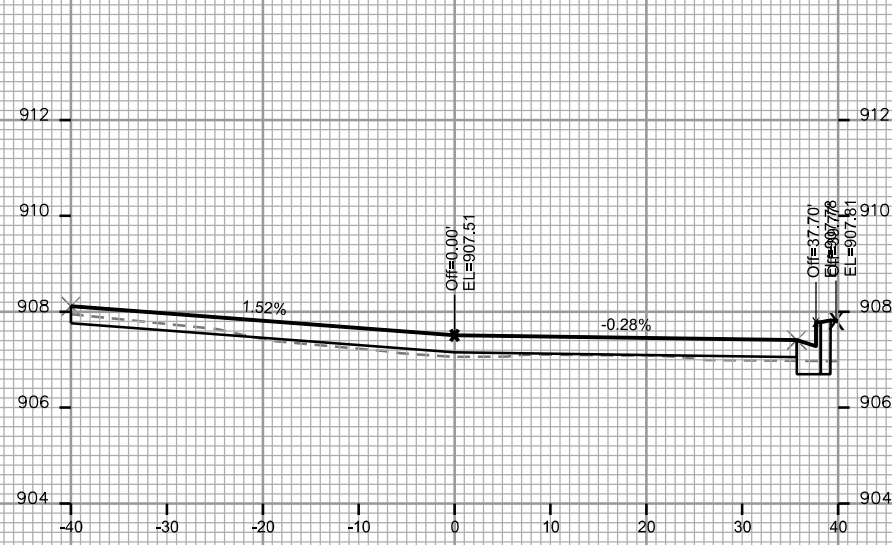
CITY OF MADISON

PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

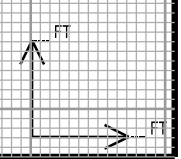
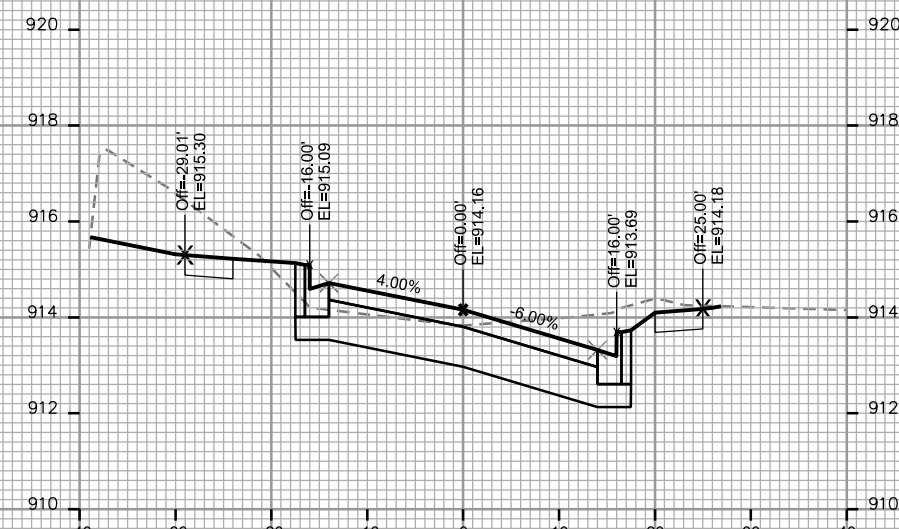
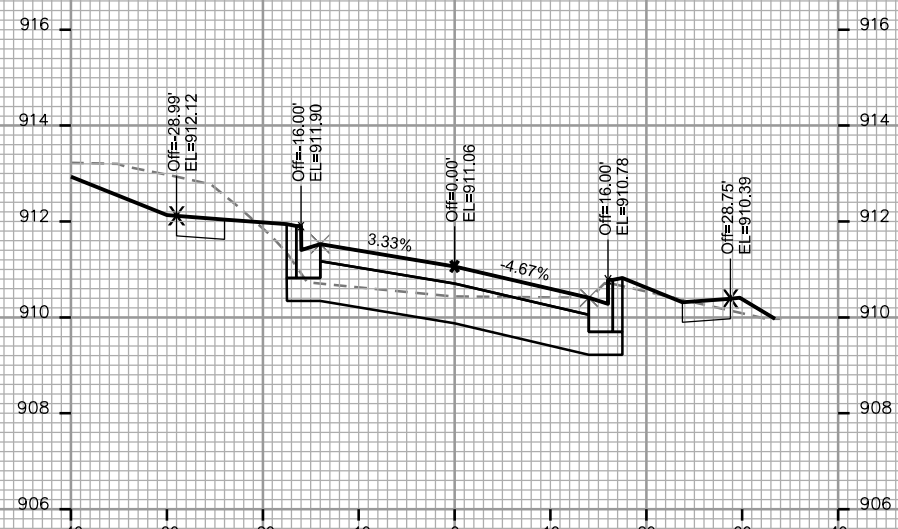
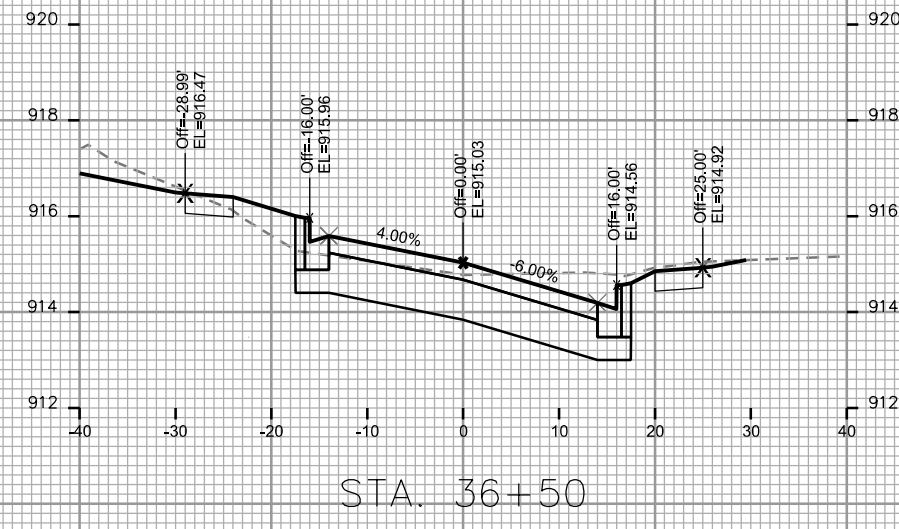
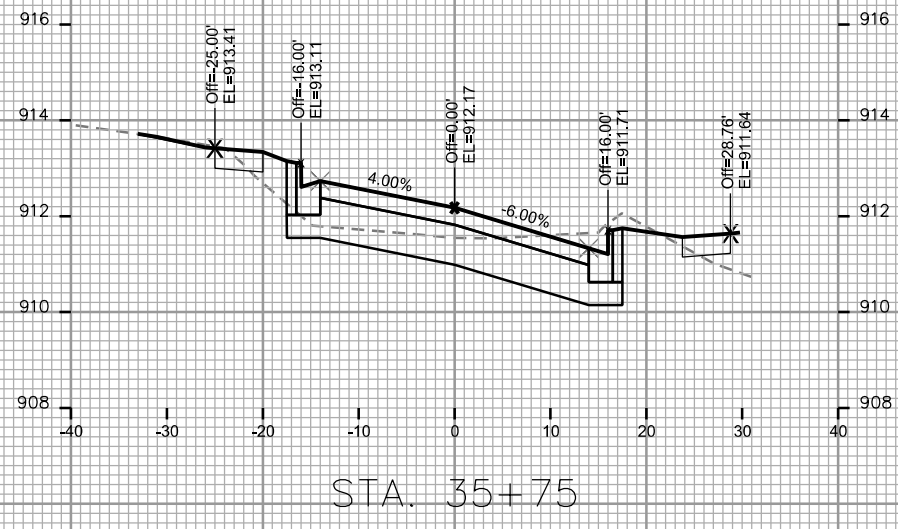
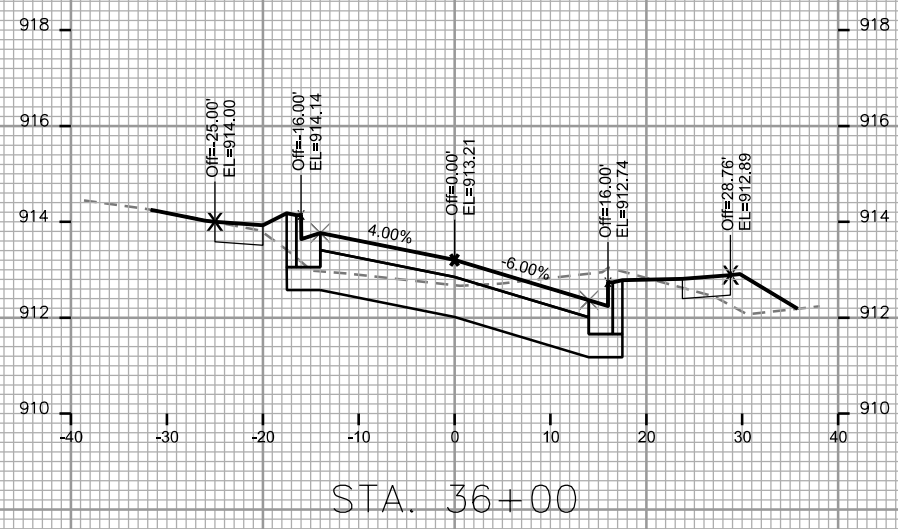


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PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON STREETS DIVISION



CROSS SECTIONS

TURNER AVENUE

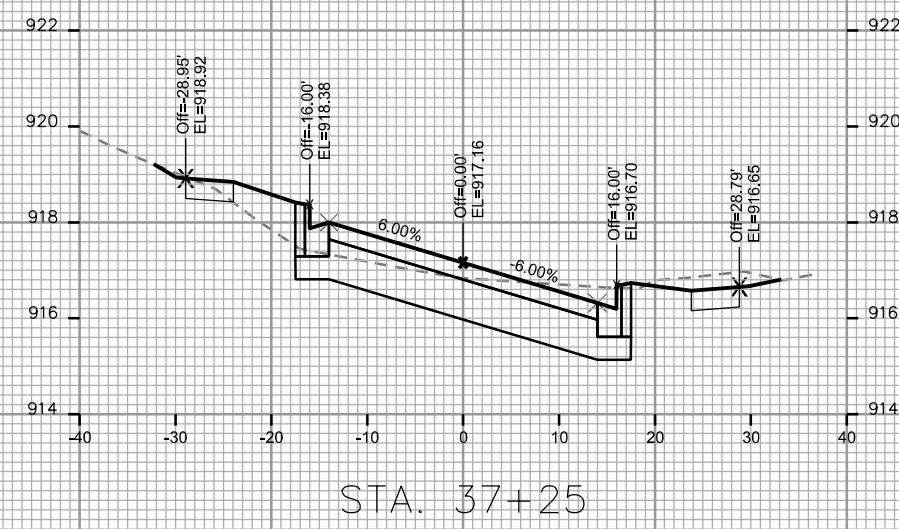
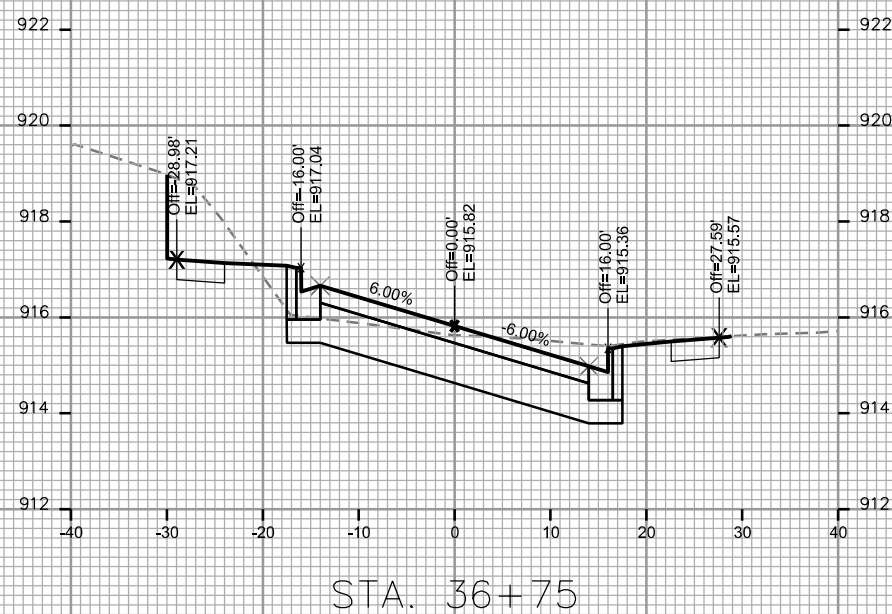
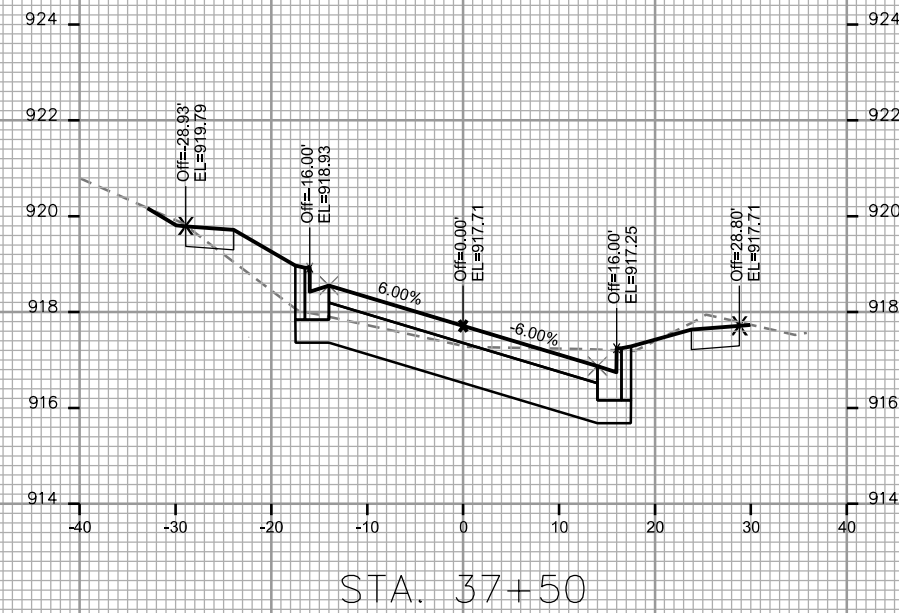
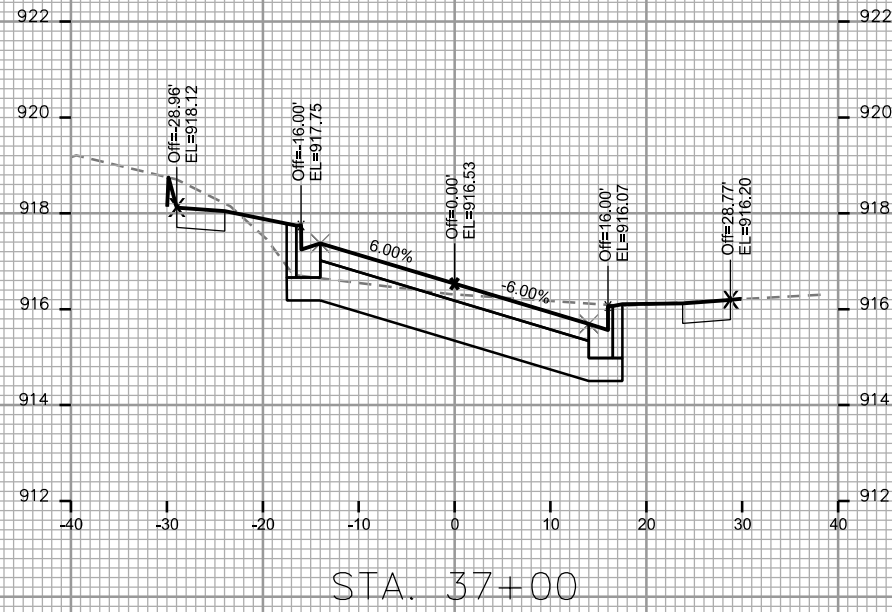
CITY OF MADISON

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REV. DATE: _____

ORIGINATOR: CITY OF MADISON - STREETS DIVISION

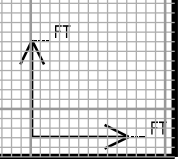
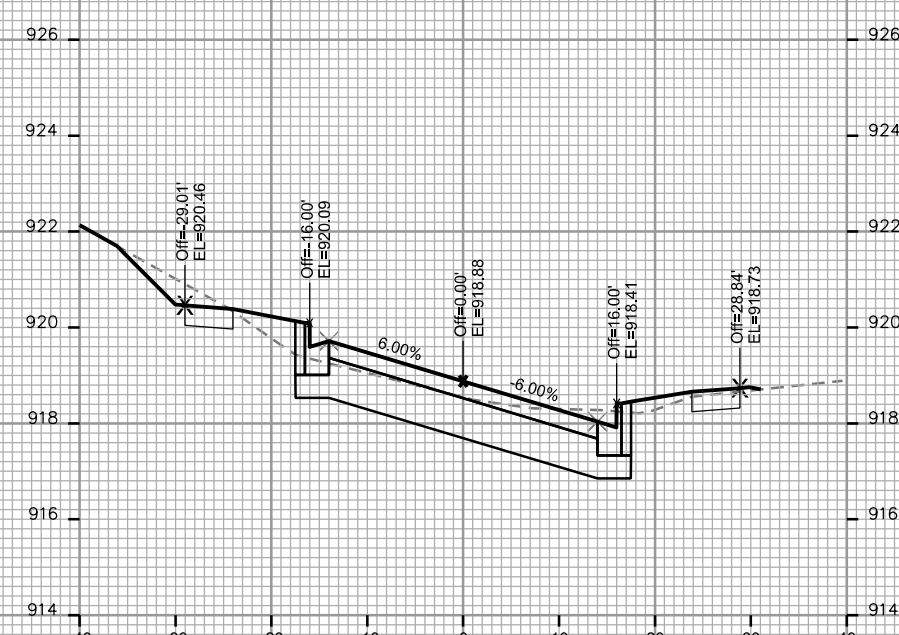
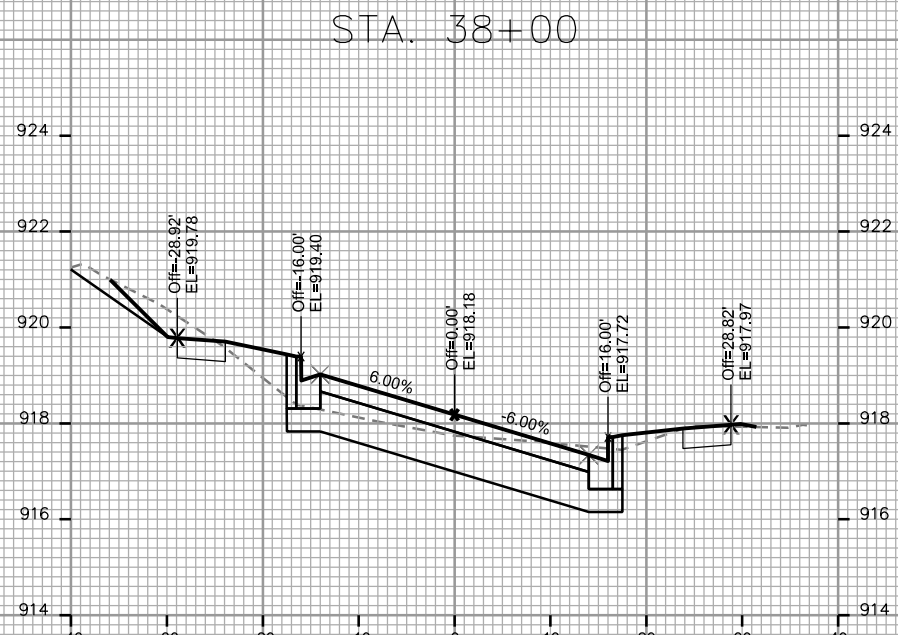
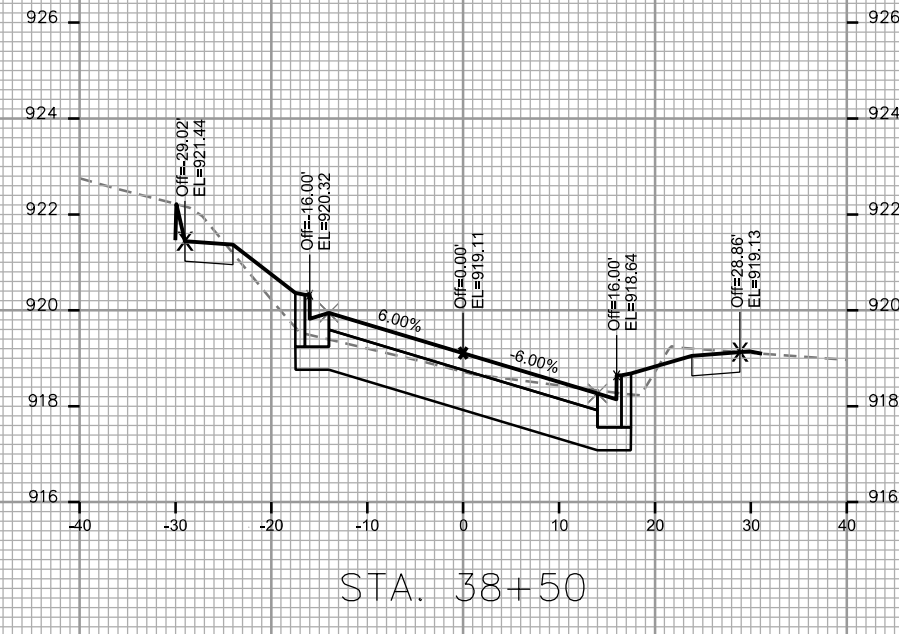
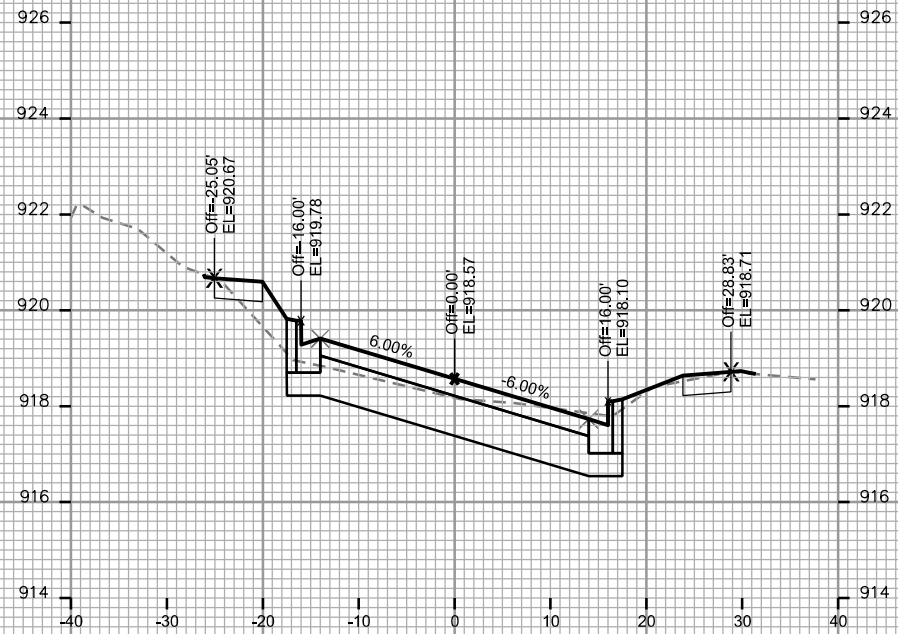


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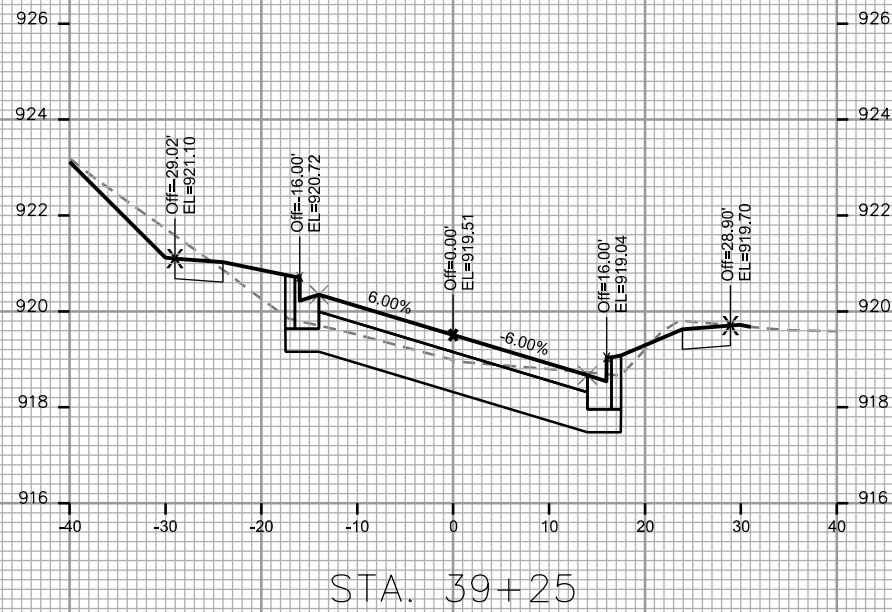
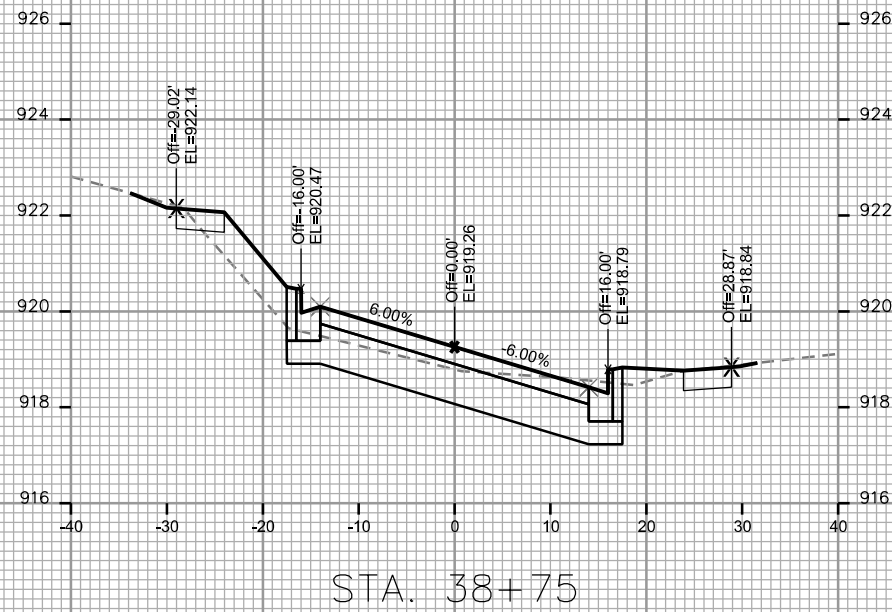
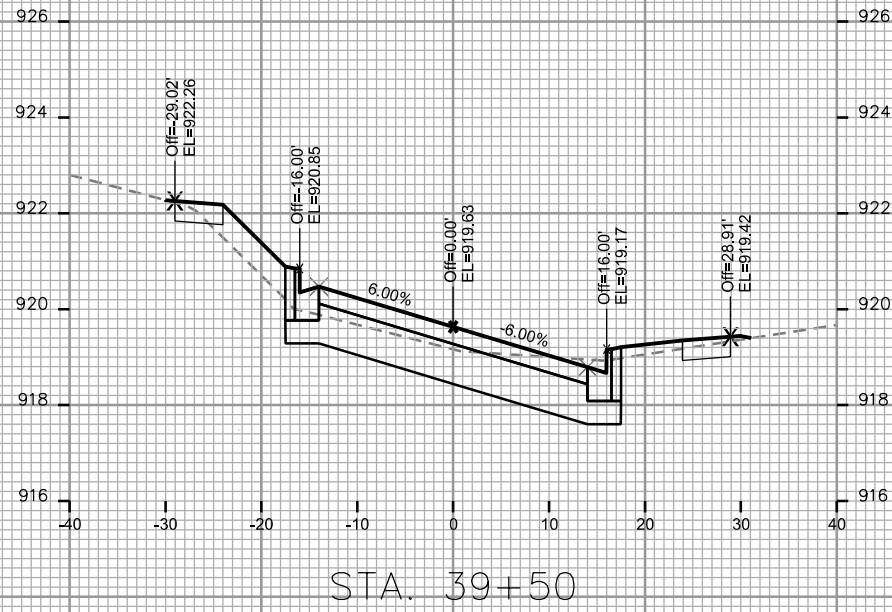
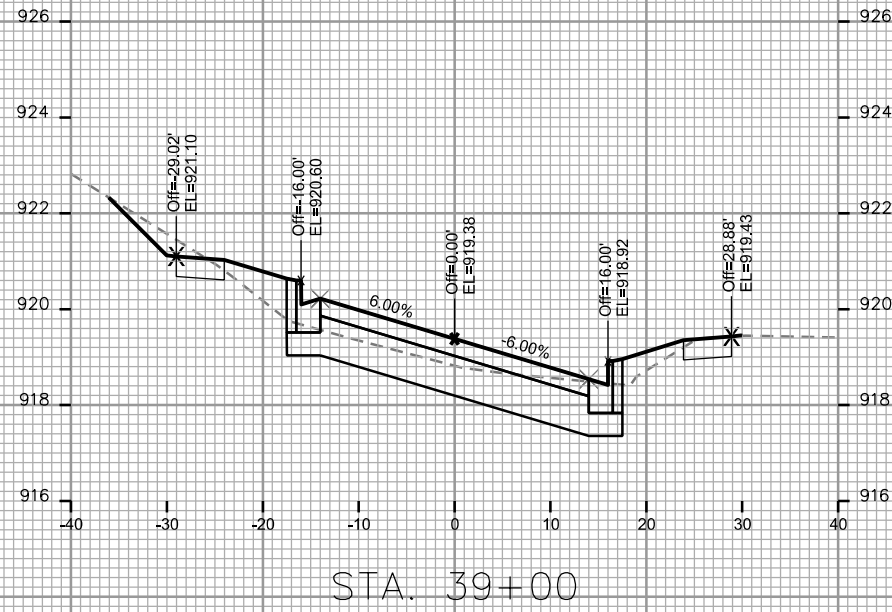
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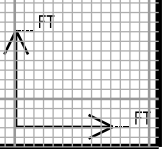
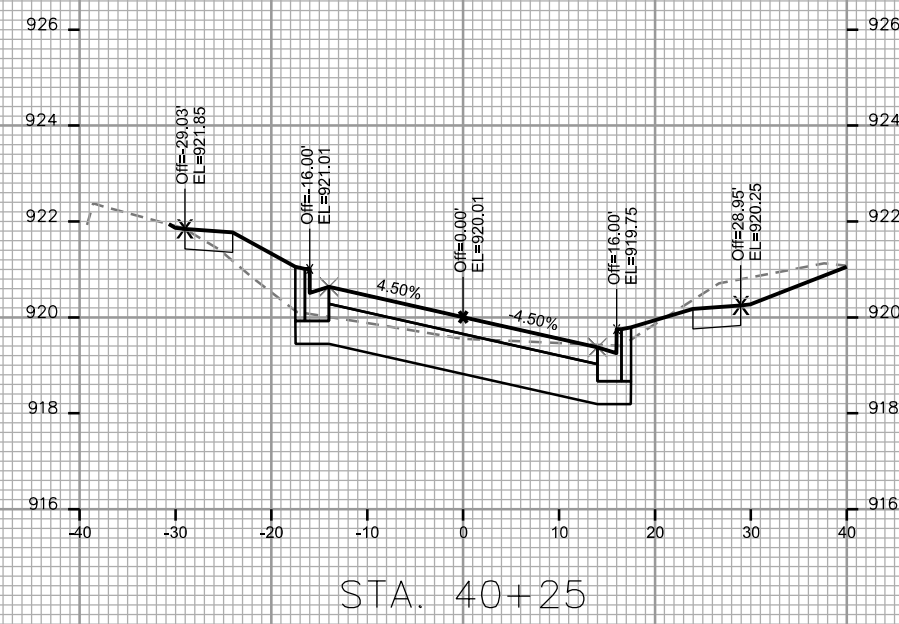
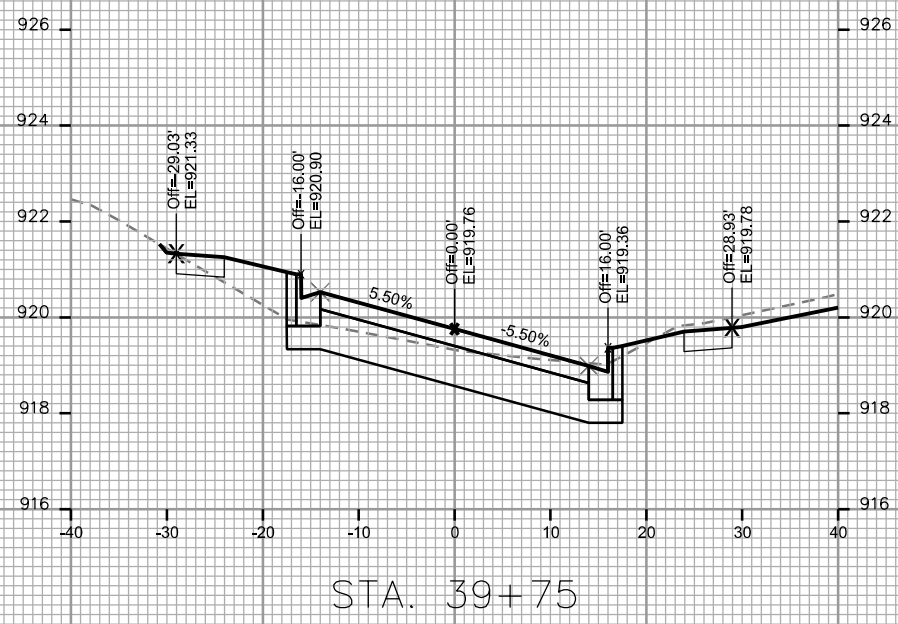
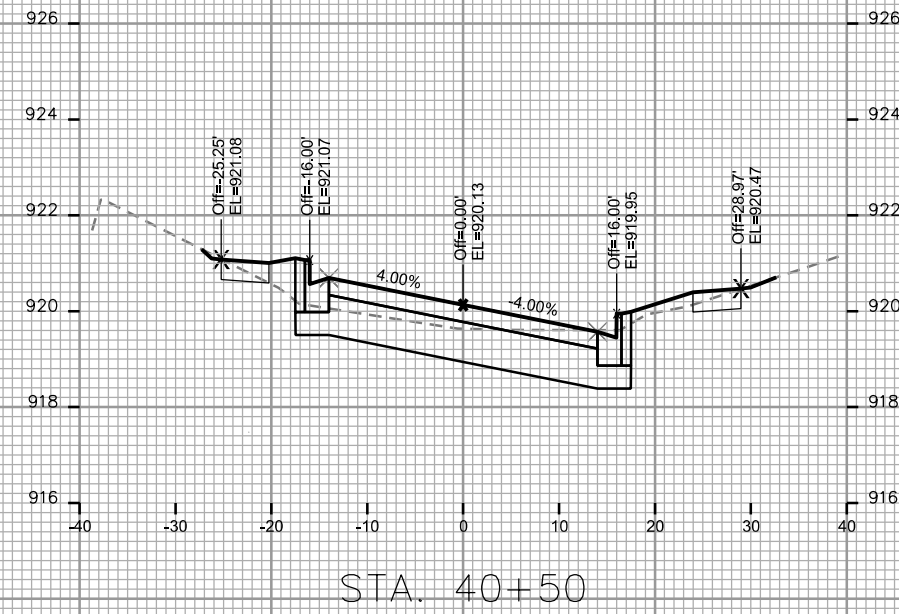
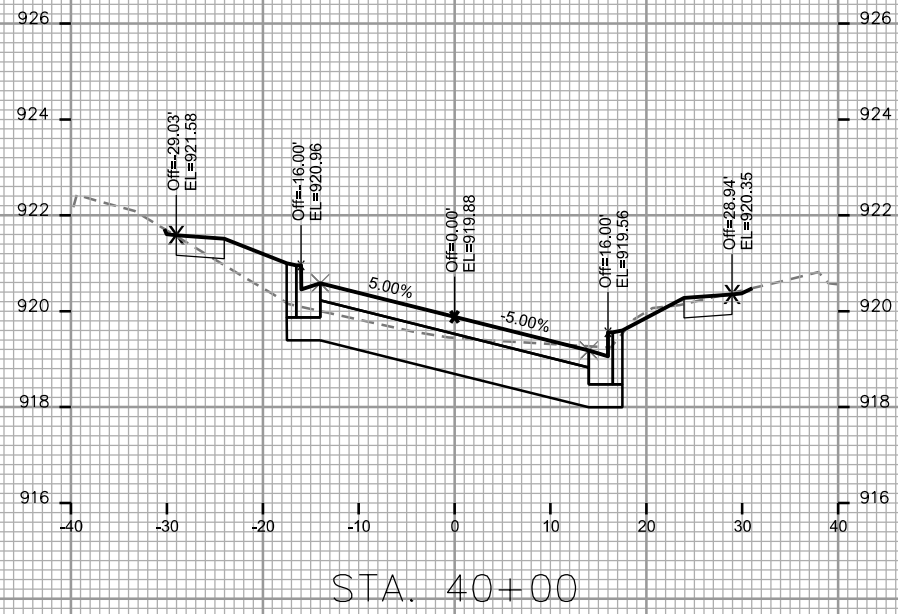
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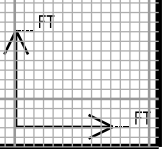
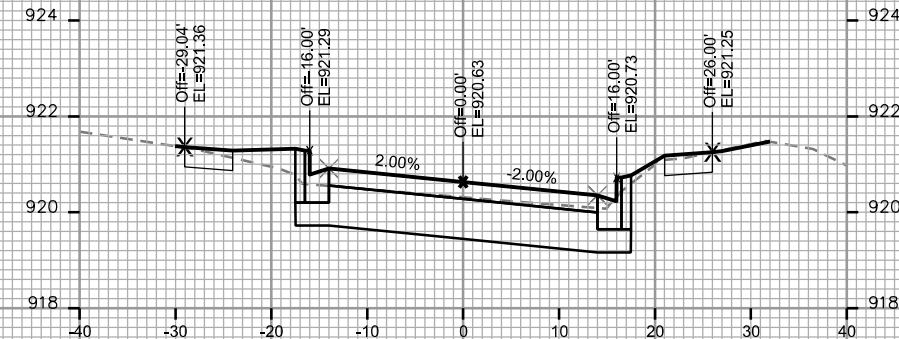
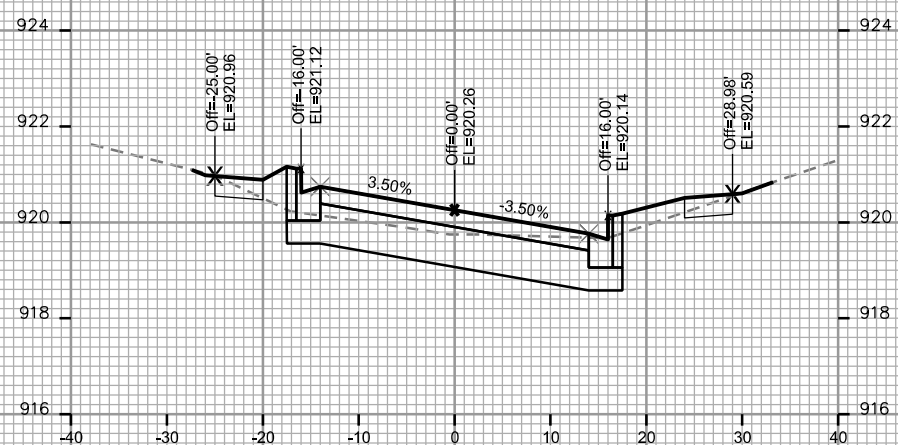
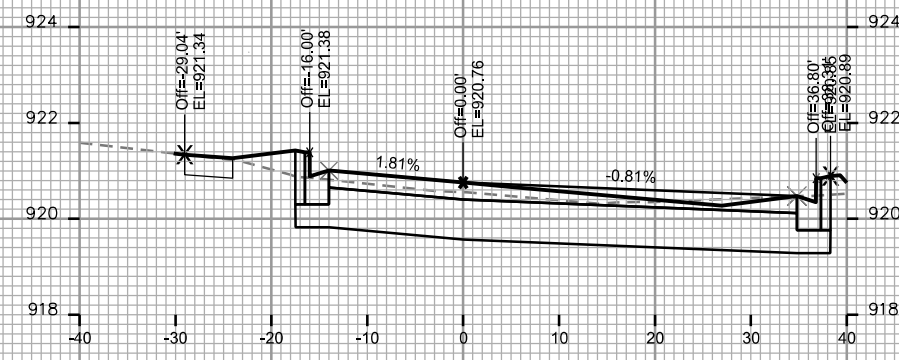
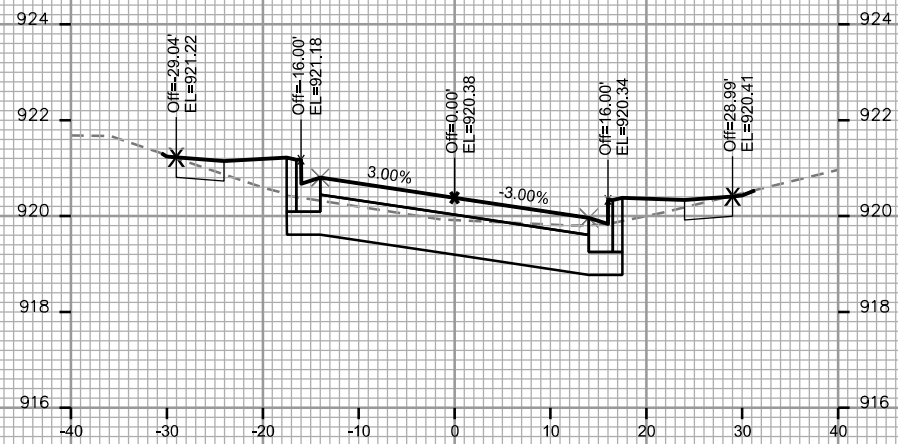
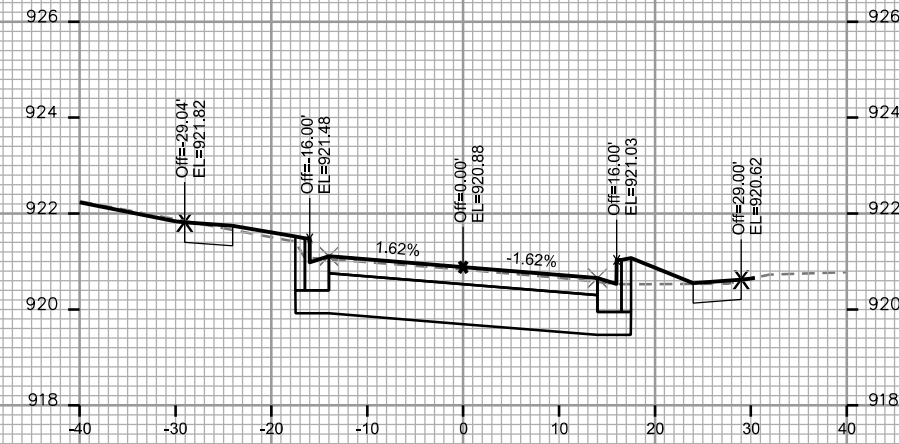
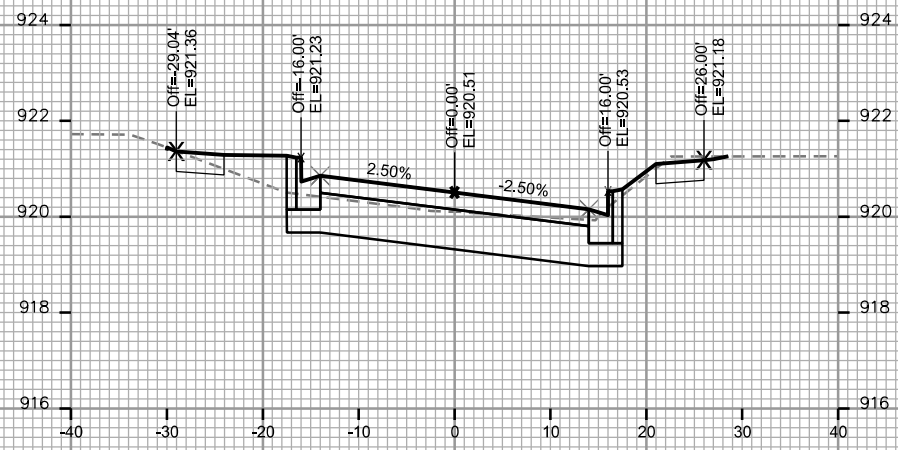
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