

Madison, Wisconsin

CITY OF MADISON

CITY ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS

PLAN OF PROPOSED IMPROVEMENT

PUBLIC IMPROVEMENT PROJECT APPROVED

MARCH 20, 2018

BY THE COMMON COUNCIL
OF MADISON, WISCONSIN

PUBLIC IMPROVEMENT DESIGN
APPROVED BY:

[Signature] 4/6/18
City Engineer Date

INDEX OF SHEETS

SHEET NO.	TITLE
1	
DI-D4	DETAILS
EC1-EC2	EROSION CONTROL PLANS
PI-P2	STREET PLAN & PROFILES
UI-U2	SEWERS PLAN & PROFILES
U3-U5	SEWER SCHEDULES
M1-M2	PAVEMENT MARKING PLAN
TC1-TC5	TRAFFIC CONTROL PLANS
X1-X9	CROSS SECTIONS

W. WASHINGTON AVENUE ASSESSMENT DISTRICT - 2018

CITY PROJECT NO. 53W0752

MUNIS NO. 10259

CONTRACT NO. 8118

STREET
DESIGNED BY:



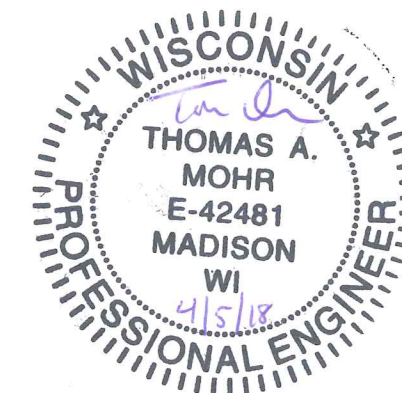
SANITARY SEWER
DESIGNED BY:



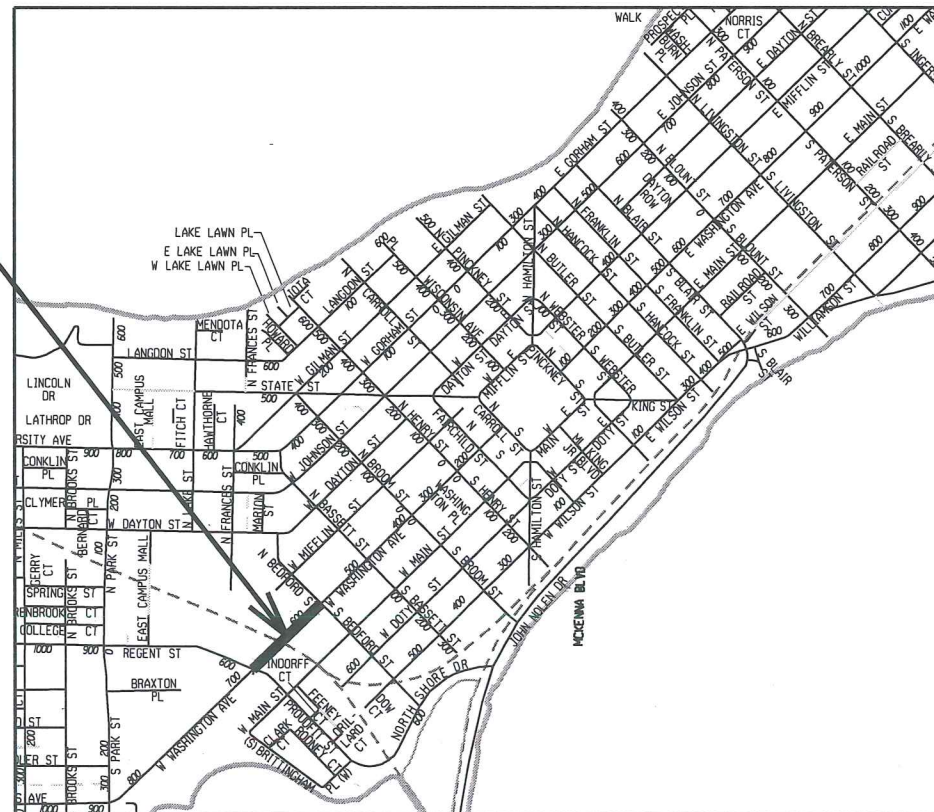
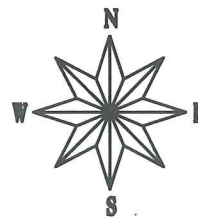
STORM SEWER
DESIGNED BY:



PAVEMENT MARKINGS &
TRAFFIC CONTROL
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).....3,100 C.Y.
ESTIMATED UNDISTRIBUTED UNDERCUT.....500 C.Y.
TOTAL UNCLASSIFIED EXCAVATION CUT.....3,600 C.Y.

PLOT SCALE: _____

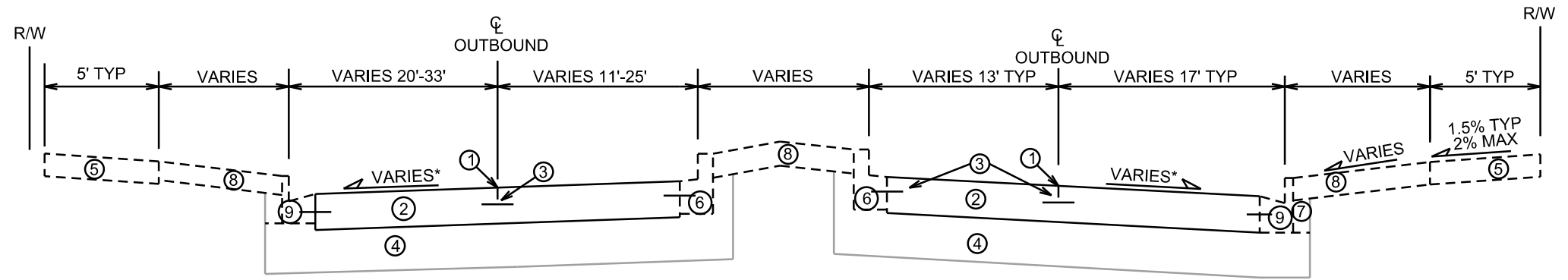
PLOT NAME: _____

REV. DATE: _____

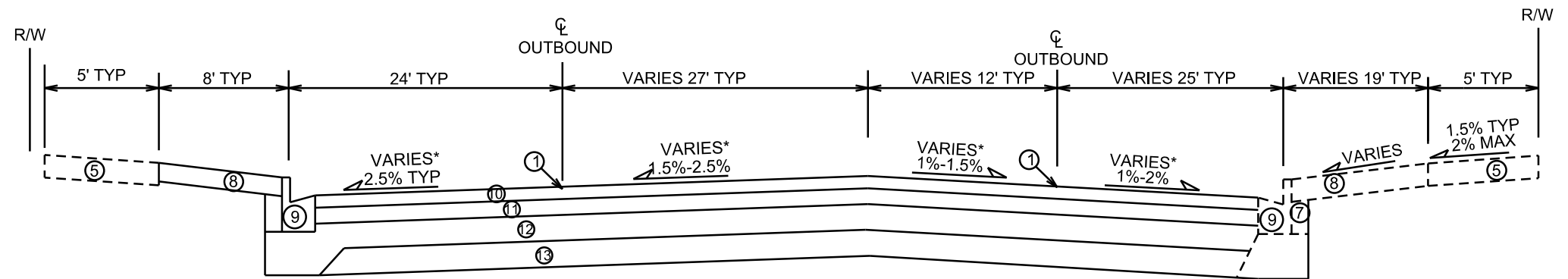
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

- ① POINT REFERRED TO ON PROFILE
- ② 9" DOWELED CONCRETE PAVEMENT, REPLACE AT LOCATIONS INDICATED ON PLAN
- ③ LONGITUDINAL SAWED, FORMED OR CONSTRUCTION JOINT
- ④ EXISTING 6" GRADATION NO. 2 CRUSHED AGGREGATE BASE TO REMAIN
- ⑤ 5" CONCRETE SIDEWALK, REMOVE & REPLACE AS SHOWN ON PLAN OR AS DIRECTED
- ⑥ TYPE 'H' OR 'E' CONC CURB & GUTTER, REPLACE AS SHOWN ON PLAN OR AS DIRECTED
- ⑦ FILL, INCIDENTAL
- ⑧ 6" TOPSOIL & SOD IN DISTURBED AREAS
- ⑨ TYPE 'A' CONCRETE CURB & GUTTER, REPLACE AS SHOWN ON PLAN
- ⑩ 2.25" HMA PAVEMENT TYPE 4 MT 58-28 S
- ⑪ 3.5" HMA PAVEMENT TYPE 3 MT 58-28 S
- ⑫ 8" GRADATION 2 CRUSHED AGGREGATE BASE COURSE
- ⑬ 8" GRADATION 1 CRUSHED AGGREGATE BASE COURSE

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



TYPICAL FINISHED SECTION
W. WASHINGTON AVENUE
STA 10+50 TO 14+50; STA 50+50 TO 54+25
NOT TO SCALE



TYPICAL FINISHED SECTION
W. WASHINGTON AVENUE
STA 14+75 TO 20+25; STA 54+50 TO 60+25
NOT TO SCALE

PLOT SCALE: _____

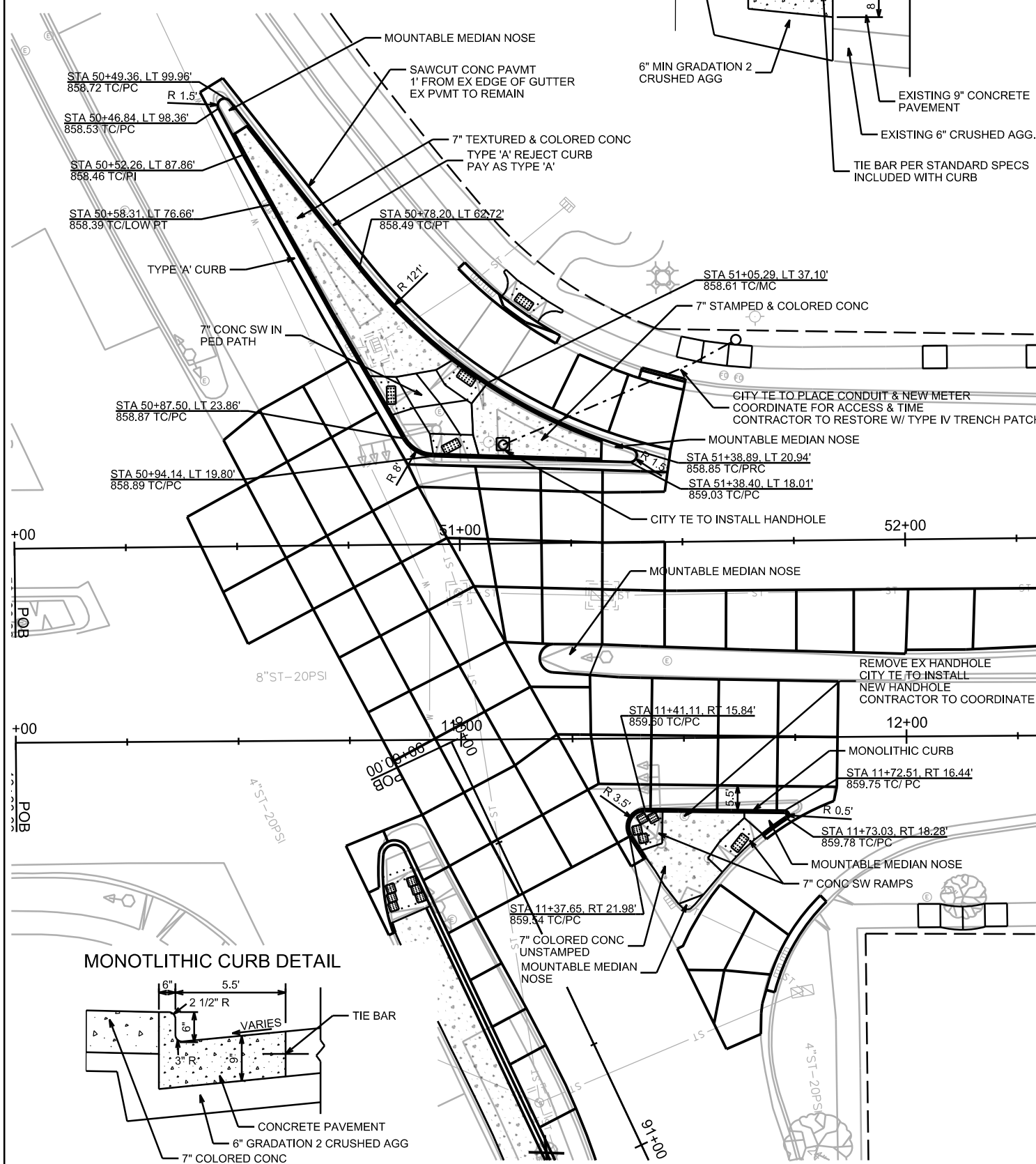
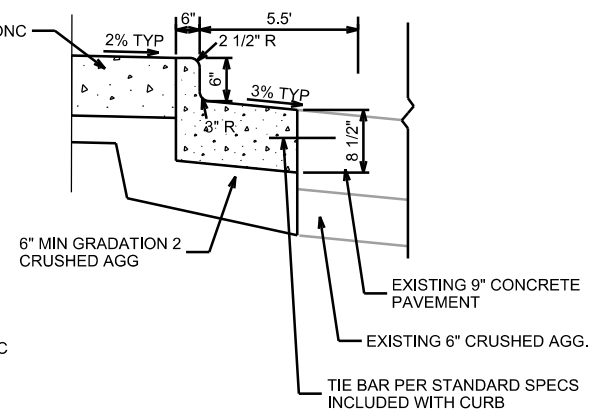
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REV. DATE: _____

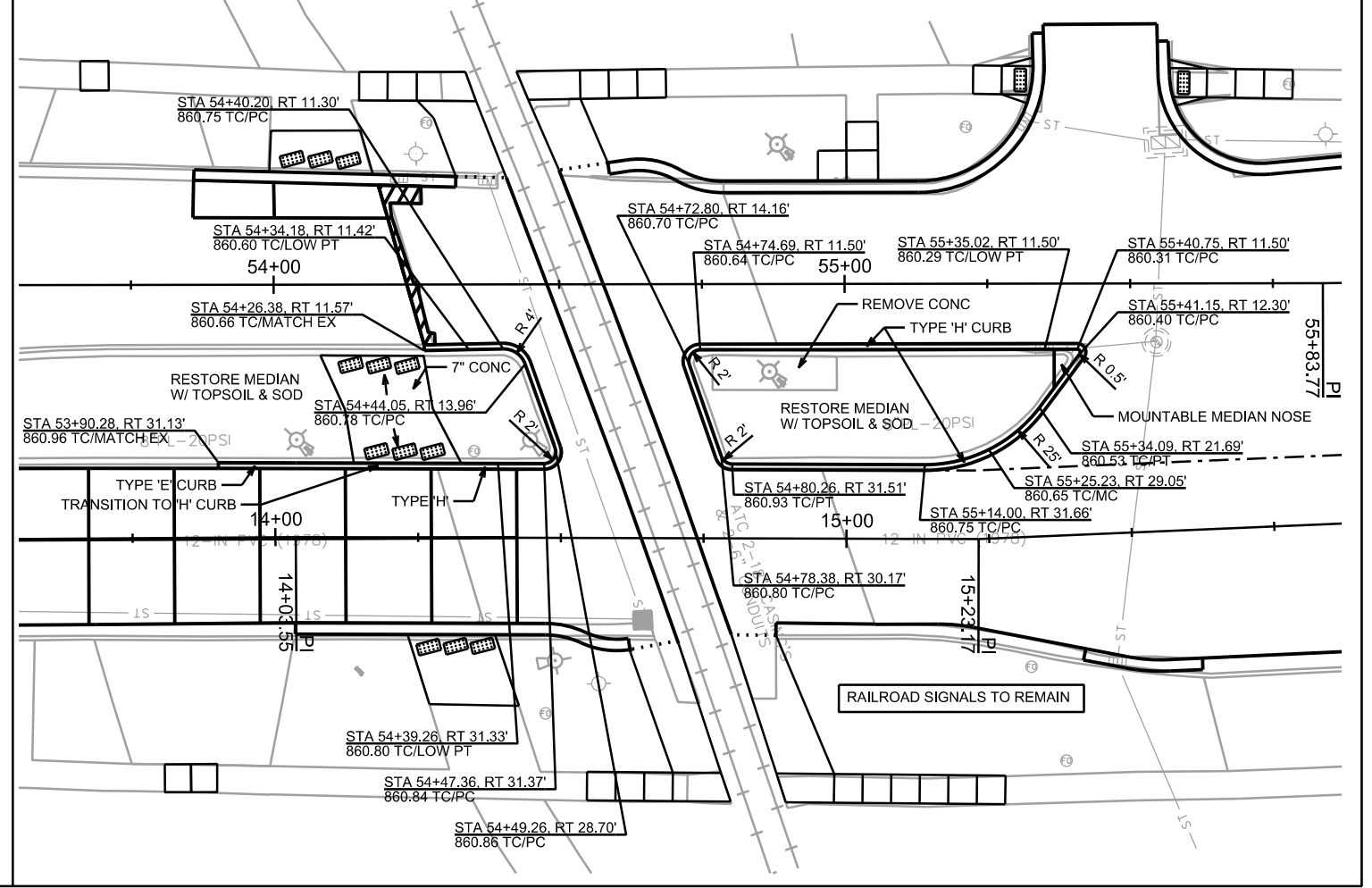
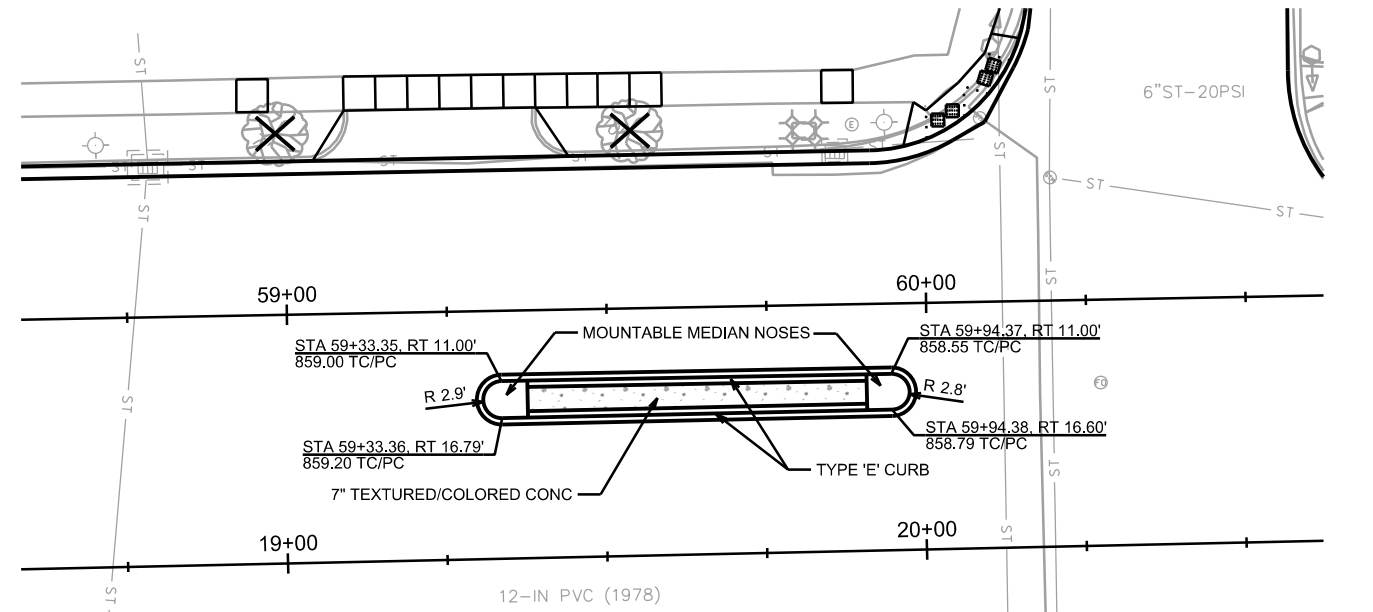
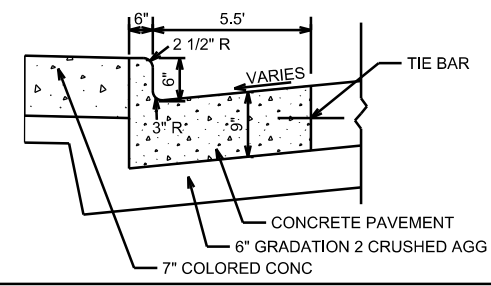
ORIGINATOR: CITY OF MADISON, STREETS DIVISION

NOTES:
1. REMOVE LANDSCAPED AREAS, INCIDENTAL TO EXCAVATION CUT ITEM
2. COORDINATE WITH TRAFFIC ENGINEERING ON CONDUIT AND HANDHOLE INSTALLATIONS. CONTRACTOR TO COMPLETE REMOVALS PRIOR TO CITY TE STARTING WORK.

REJECT TYPE 'A' CURB

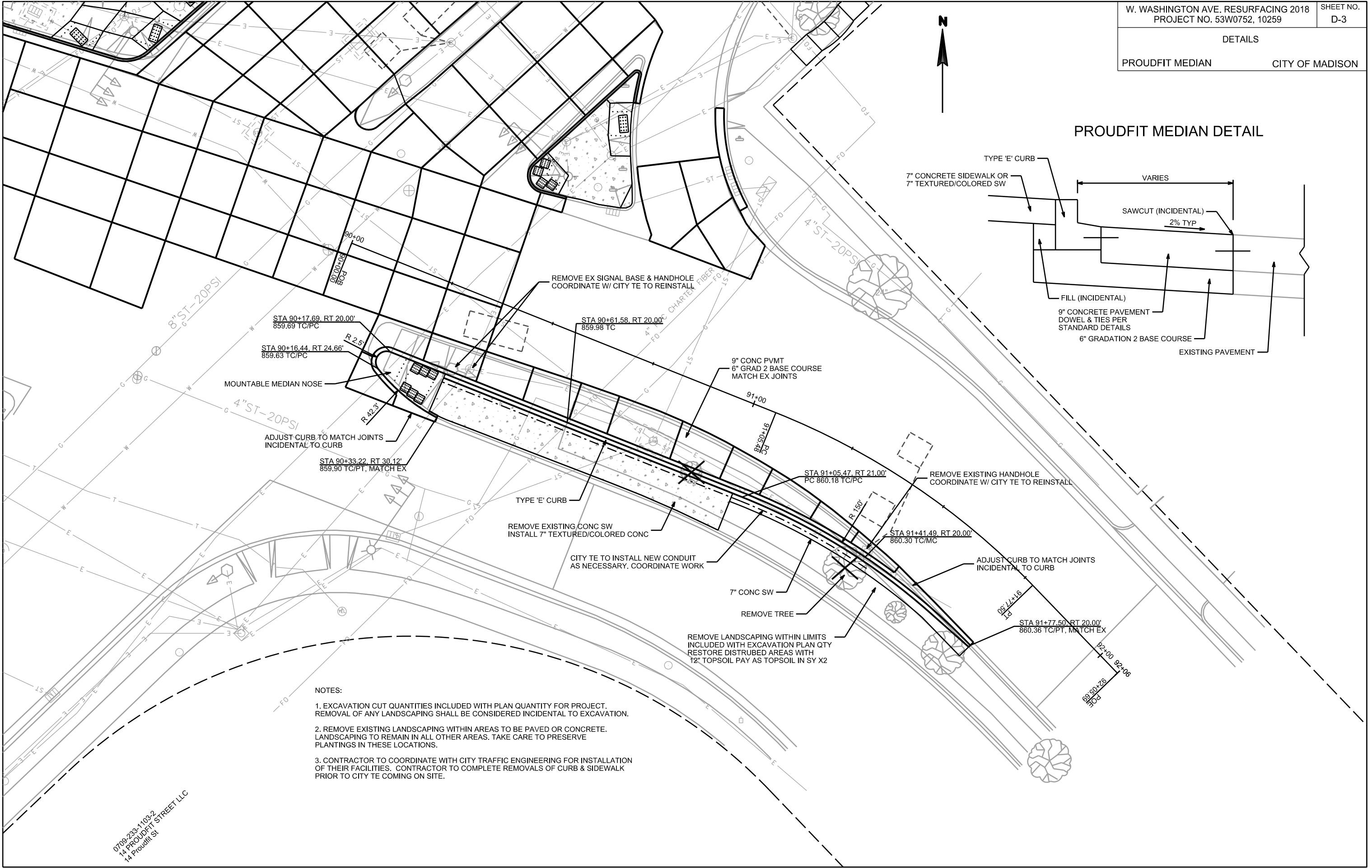
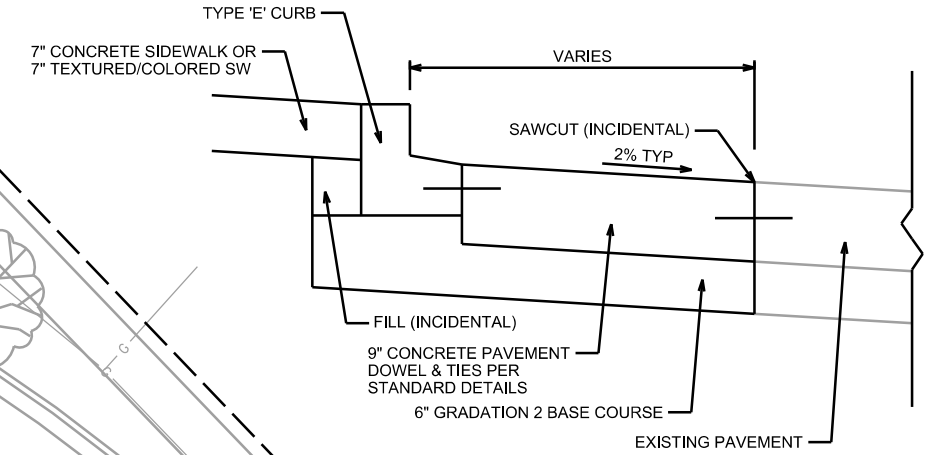


MONOLITHIC CURB DETAIL



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

PROUDFIT MEDIAN DETAIL



- NOTES:
- EXCAVATION CUT QUANTITIES INCLUDED WITH PLAN QUANTITY FOR PROJECT. REMOVAL OF ANY LANDSCAPING SHALL BE CONSIDERED INCIDENTAL TO EXCAVATION.
 - REMOVE EXISTING LANDSCAPING WITHIN AREAS TO BE PAVED OR CONCRETE. LANDSCAPING TO REMAIN IN ALL OTHER AREAS. TAKE CARE TO PRESERVE PLANTINGS IN THESE LOCATIONS.
 - CONTRACTOR TO COORDINATE WITH CITY TRAFFIC ENGINEERING FOR INSTALLATION OF THEIR FACILITIES. CONTRACTOR TO COMPLETE REMOVALS OF CURB & SIDEWALK PRIOR TO CITY TE COMING ON SITE.

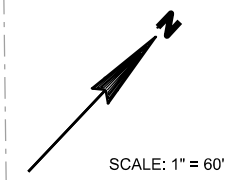
0709-223-1103-2
14 Proudfit Street LLC
14 Proudfit St

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



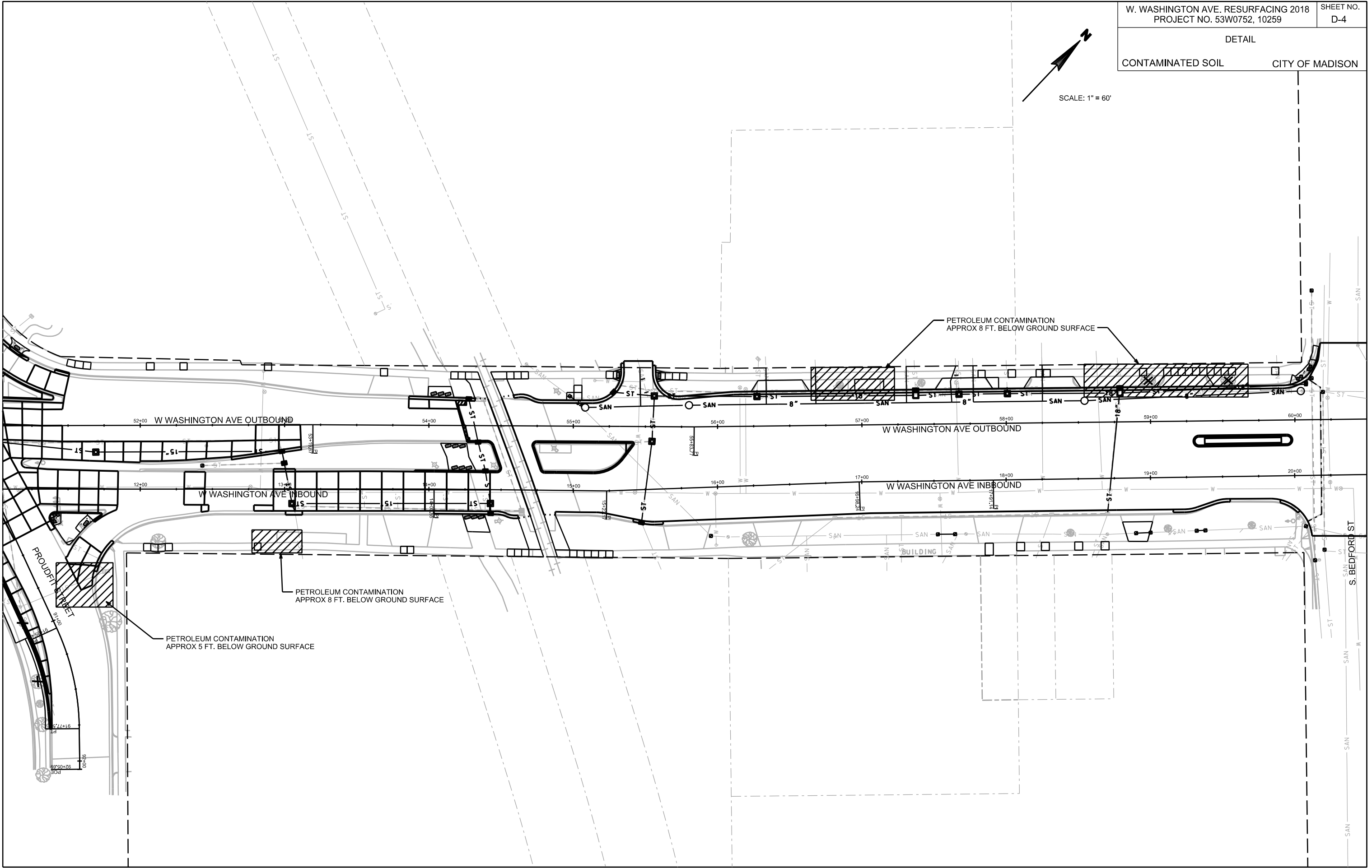
SCALE: 1" = 60'

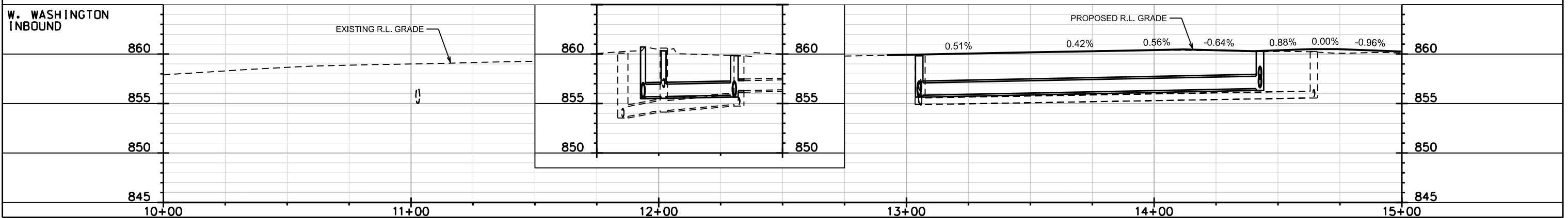
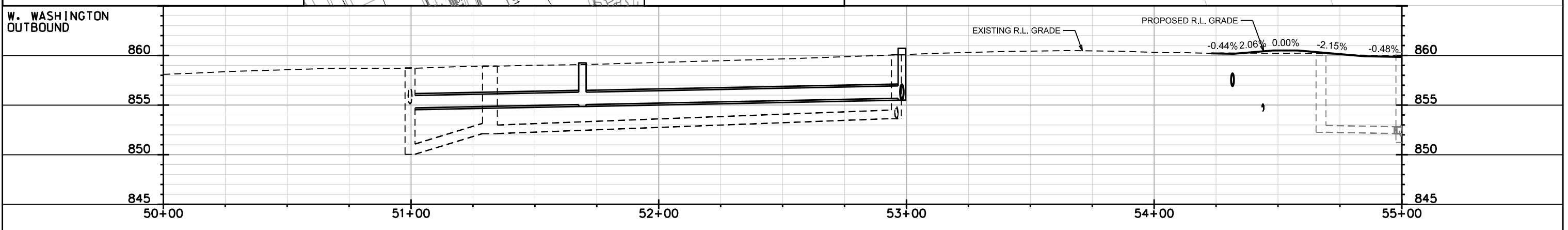
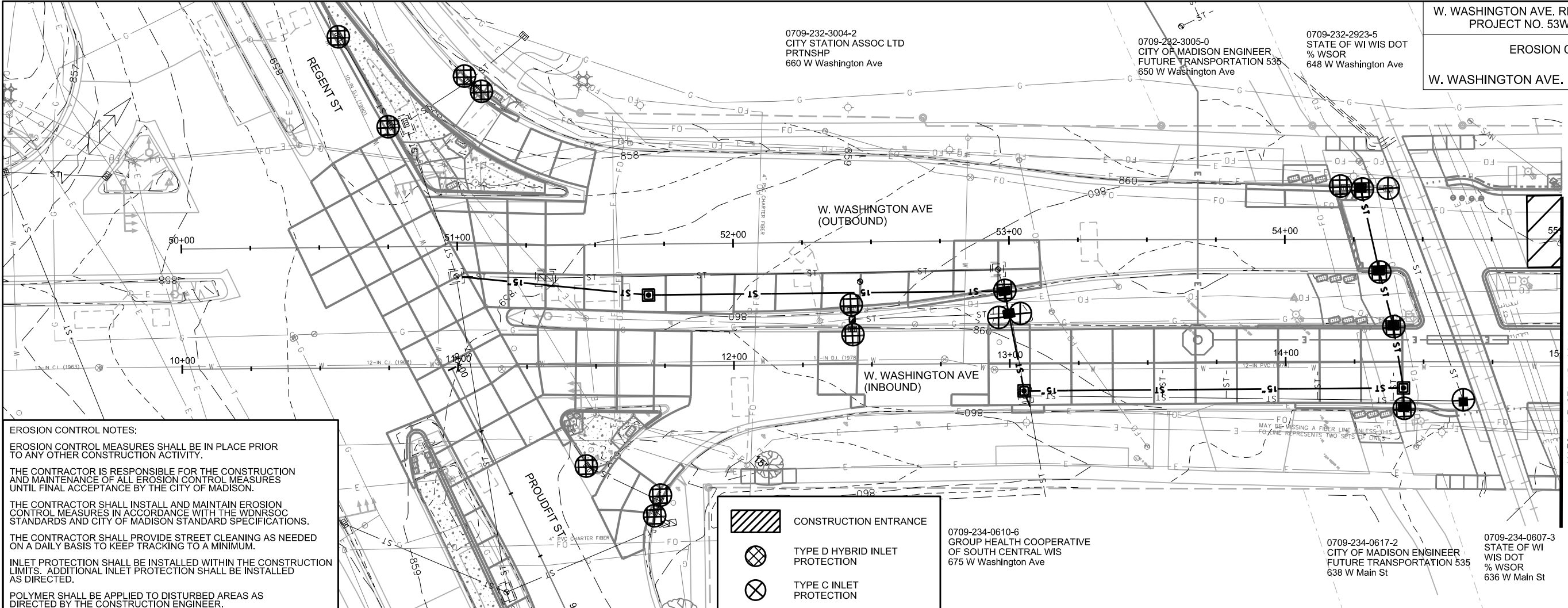
PLOT SCALE: _____

PLOT NAME: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION





PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

0709-232-2925-1
MOTORLESS MOTION LLC
640 W Washington Ave

0709-232-2914-4
C-STORE PROPERTIES LLC
636 W Washington Ave

0709-232-2910-2
U-HAUL PROPERTY TAX DEPT
2721 N CENTRAL AVE
602 W Washington Ave

W. WASHINGTON AVE. RESURFACING 2018
PROJECT NO. 53W0752, 10259

SHEET NO.
EC-2

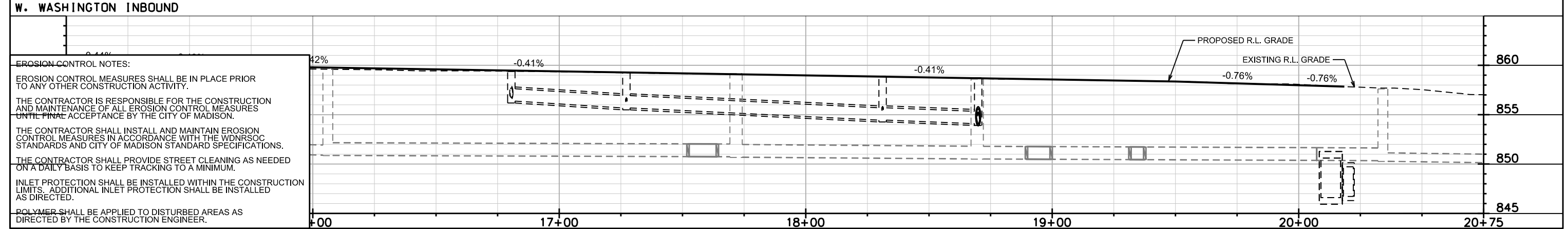
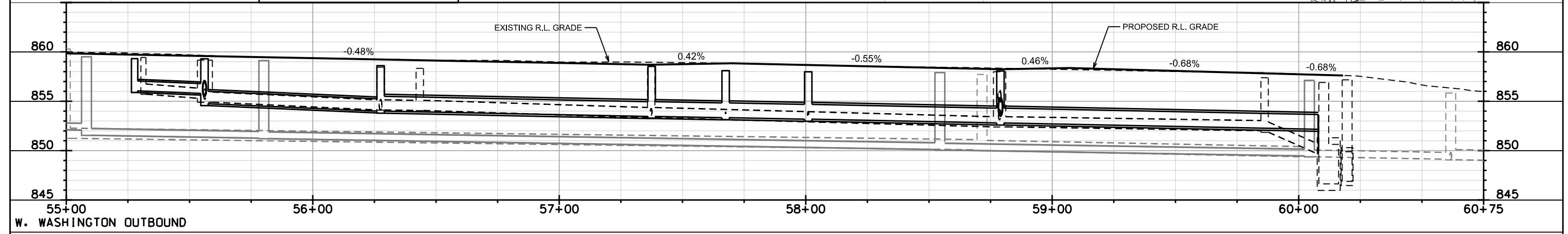
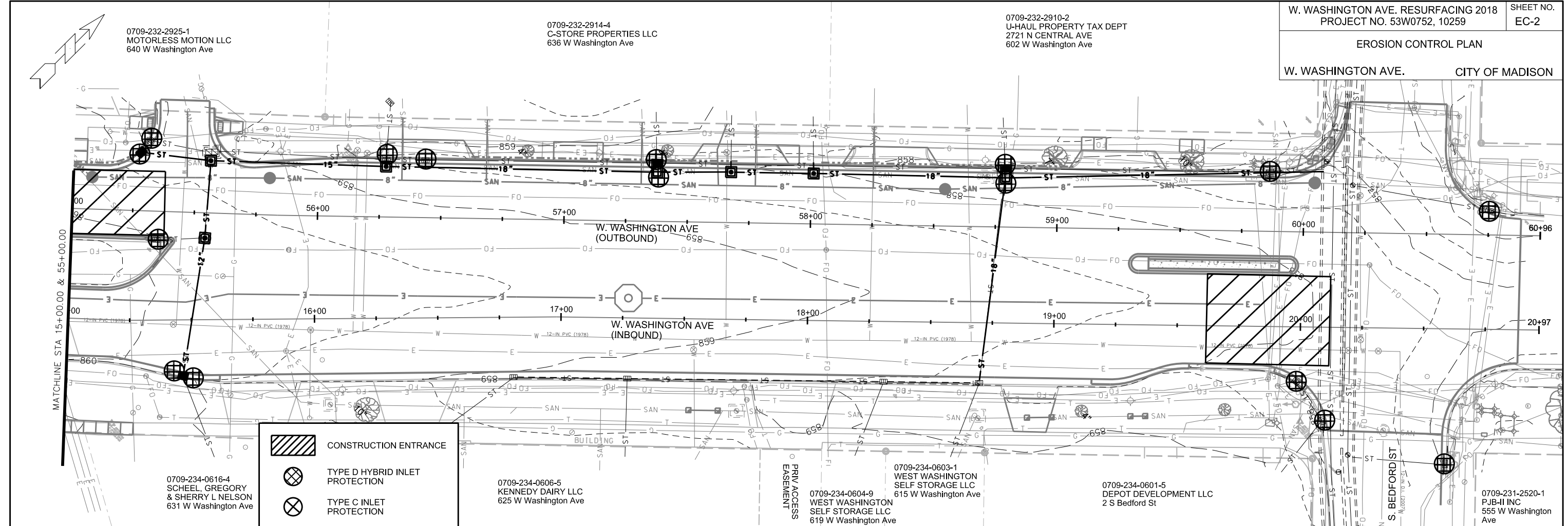
EROSION CONTROL PLAN
W. WASHINGTON AVE. CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



EROSION CONTROL NOTES:

EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY OTHER CONSTRUCTION ACTIVITY.

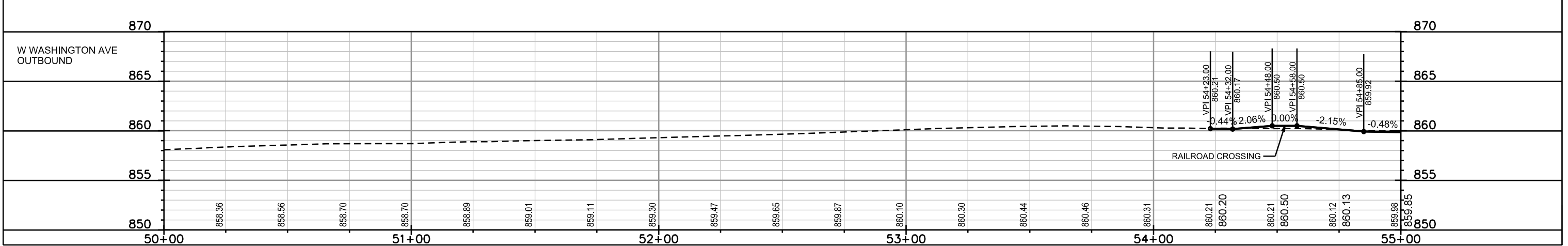
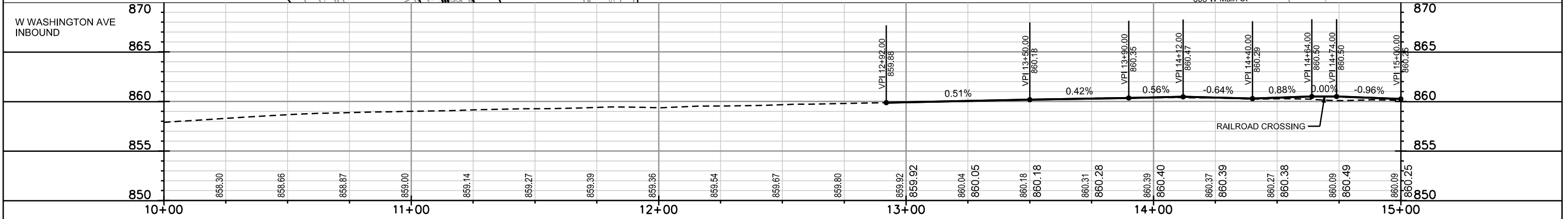
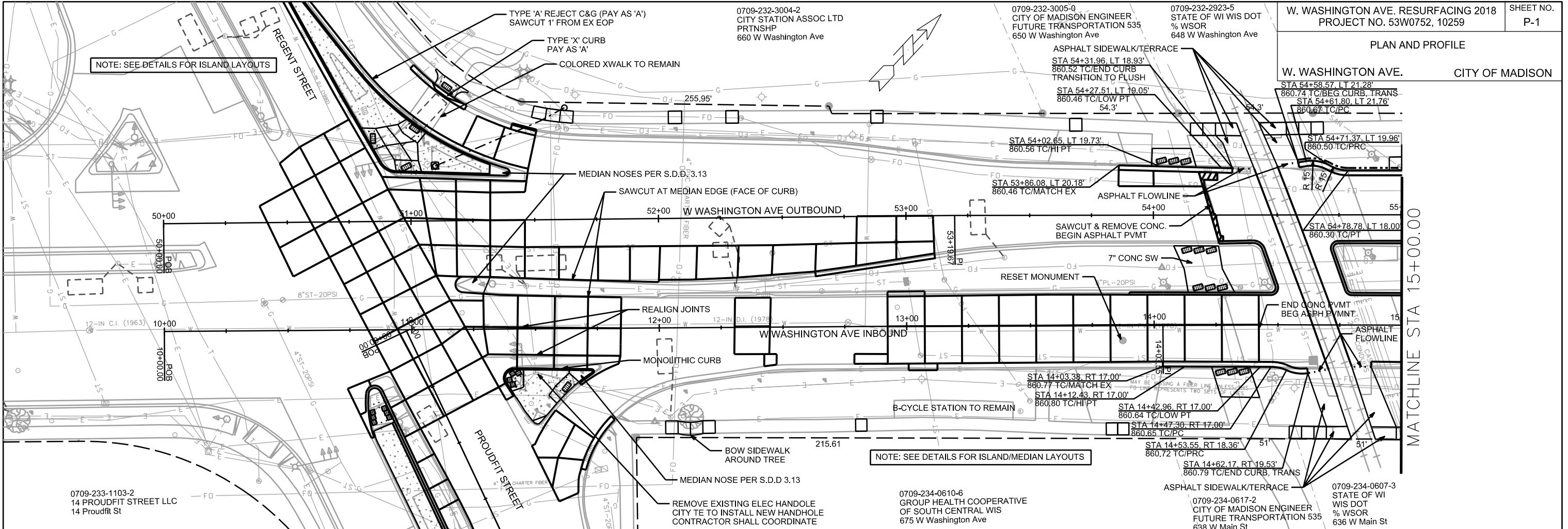
THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION AND MAINTENANCE OF ALL EROSION CONTROL MEASURES UNTIL FINAL ACCEPTANCE BY THE CITY OF MADISON.

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.

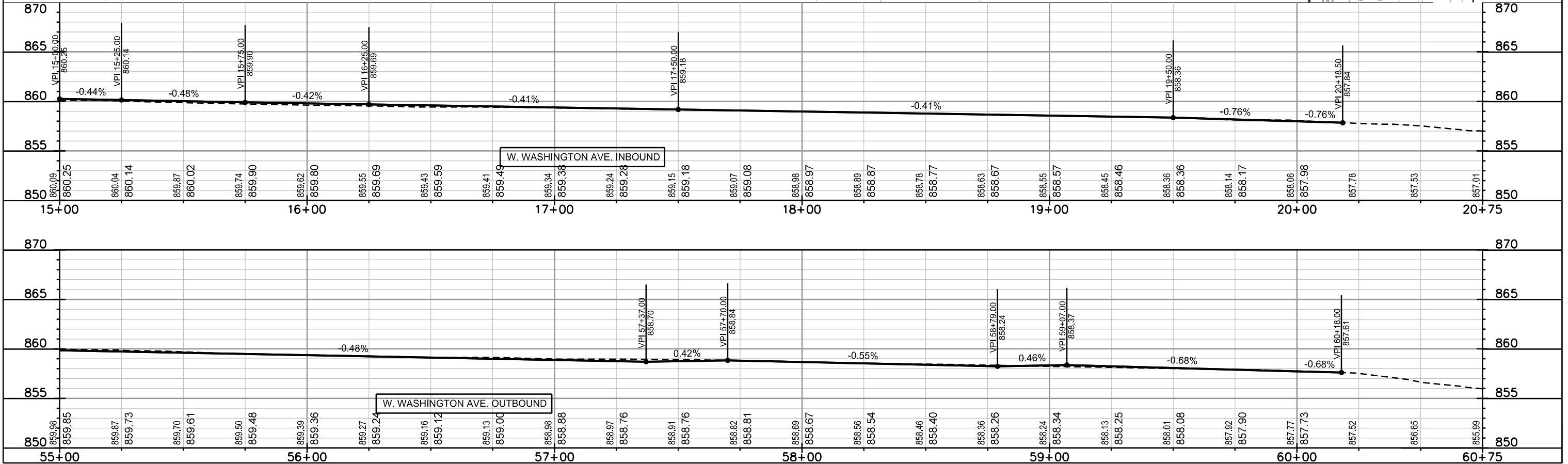
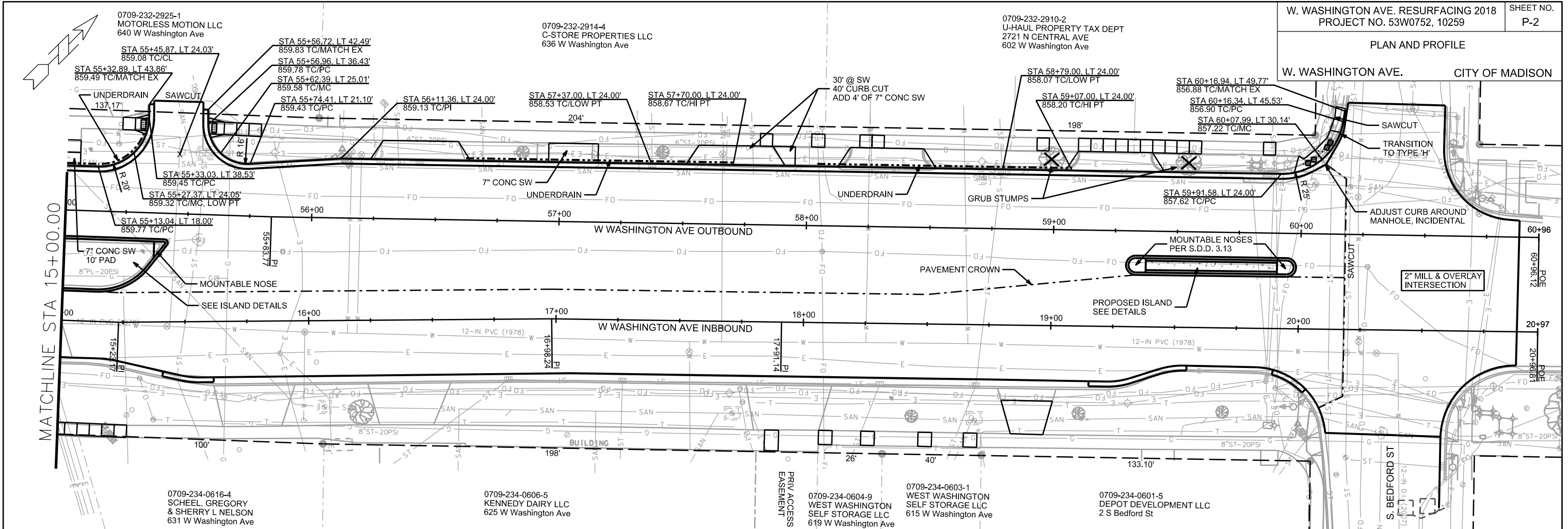
INLET PROTECTION SHALL BE INSTALLED WITHIN THE CONSTRUCTION LIMITS. ADDITIONAL INLET PROTECTION SHALL BE INSTALLED AS DIRECTED.

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



PLAN AND PROFILE

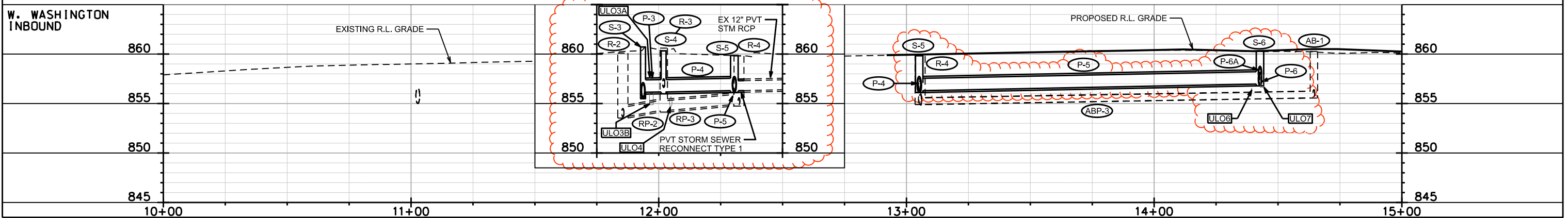
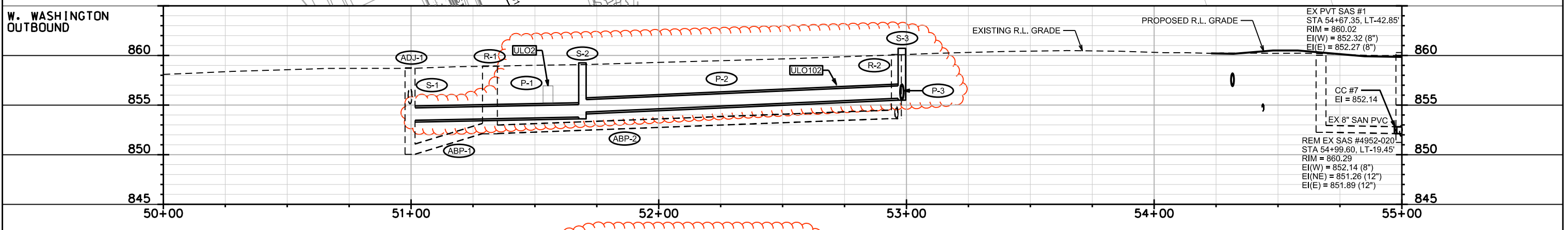
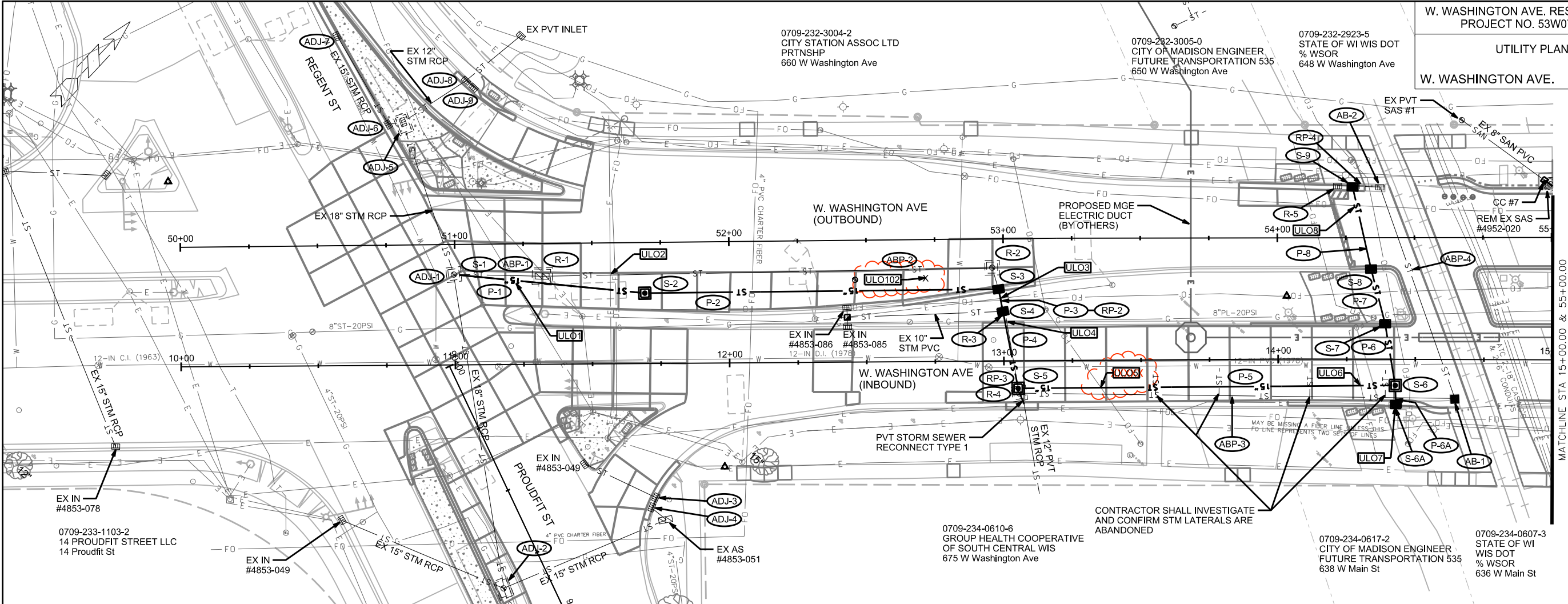
W. WASHINGTON AVE. CITY OF MADISON



PLOT SCALE: _____

REV. DATE: _____

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



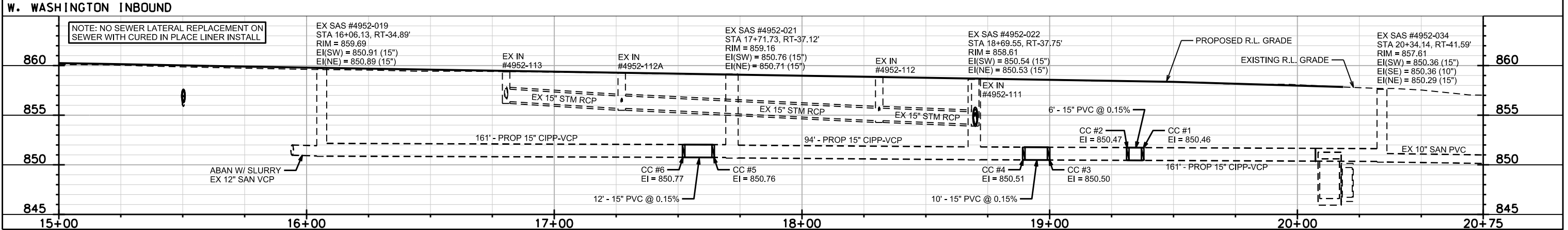
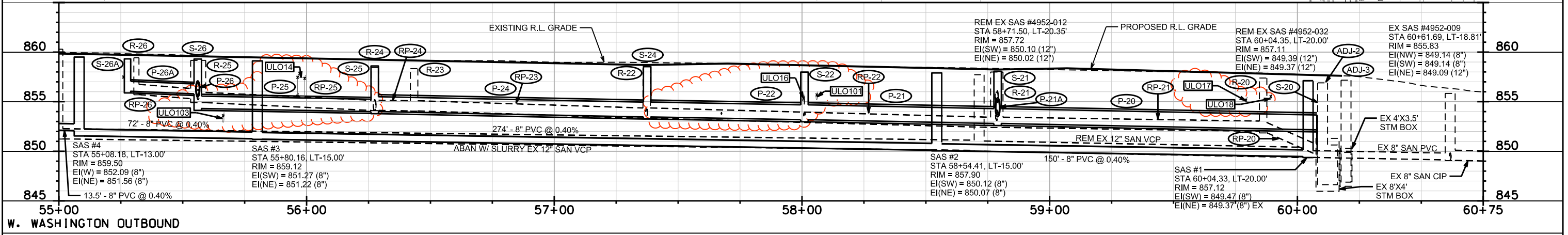
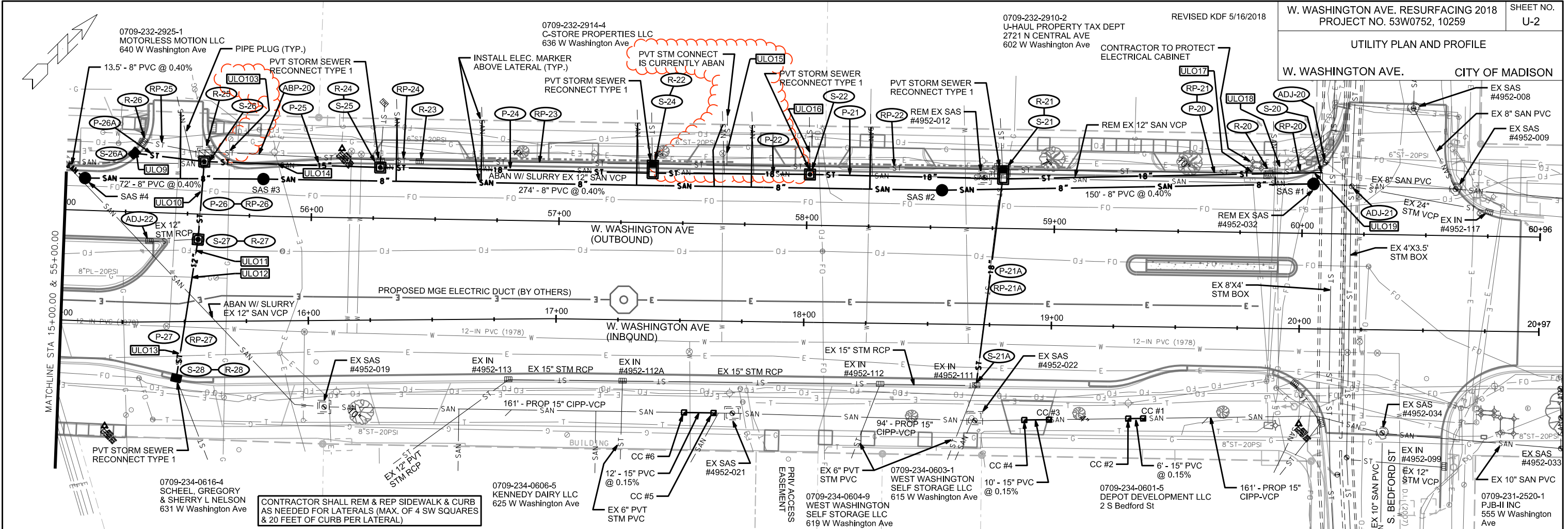
PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION

UTILITY PLAN AND PROFILE
CITY OF MADISON



SANITARY SEWER SCHEDULE

W. WASHINGTON AVE. RESURFACING 2018 PROJECT NO. 53W0752, 10259	SHEET NO. U-3
SANITARY SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED SANITARY STRUCTURES

SAS NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
INBOUND W. WASHINGTON AVE						
CC #1	19+37.53	RT-37.01	-	850.46	-	[1]
CC #2	19+31.53	RT-37.17	-	850.47	-	[1]
CC #3	18+99.54	RT-38.02	-	850.50	-	[1]
CC #4	18+89.54	RT-38.29	-	850.51	-	[1]
CC #5	17+64.13	RT-37.11	-	850.76	-	[1]
CC #6	17+52.23	RT-37.10	-	850.77	-	[1]
OUTBOUND W. WASHINGTON AVE						
SAS #1	60+04.33	LT-20.00	857.12	849.37	7.75	-
SAS #2	58+54.41	LT-15.00	857.90	850.07	7.83	-
SAS #3	55+80.16	LT-15.00	859.12	851.22	7.90	-
SAS #4	55+08.18	LT-13.00	859.50	851.56	7.94	-
CC #7	54+97.47	LT-20.82	-	852.14	-	[1]

PROPOSED SANITARY PIPES

FROM (DNSTM)	TO (UPSTM)	DWNSTRM E.I.	UPSTRM E.I.	PLAN (PAY) LGTH (FT)	SLOPE (%)	PIPE SIZE	PVC TYPE	NOTES
INBOUND W. WASHINGTON AVE								
CC#1	CC #2	850.46	850.47	6	0.15%	15"	SDR-35	-
CC #3	CC #4	850.50	850.51	10	0.15%	15"	SDR-35	-
CC #5	CC #6	850.76	850.77	12	0.15%	15"	SDR-35	-
OUTBOUND W. WASHINGTON AVE								
SAS #1	SAS #2	849.47	850.07	150	0.40%	8"	SDR-35	-
SAS #2	SAS #3	850.12	851.22	274	0.40%	8"	SDR-35	-
SAS #3	SAS #4	851.27	851.56	72	0.40%	8"	SDR-35	-
SAS #4	CC #7	852.09	852.14	13.5	0.40%	8"	SDR-35	-

SANITARY SEWER CURED-IN-PLACE-PIPE (CIPP)

FROM (DNSTM)	TO (UPSTM)	LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
INBOUND W. WASHINGTON AVE					
SAS #4952-034	SAS #4952-022	161	15"	VCP	-
SAS #4952-022	SAS #4952-021	94	15"	VCP	-
SAS #4952-021	SAS #4952-019	161	15"	VCP	-

SANITARY STRUCTURE REMOVALS

STRUCTURE ID NO.	STATION	LOCATION (OFFSET)	TOP OF CASTING	E.I.	DEPTH	NOTES
OUTBOUND W. WASHINGTON AVE						
SAS #4952-020	54+99.60	LT-19.45	860.29	851.26	9.03	-
SAS #4952-012	58+71.50	LT-20.35	857.72	850.02	7.70	-
SAS #4952-032	60+04.35	LT-20.00	857.11	849.37	7.74	-

SANITARY PIPE REMOVALS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
INBOUND W. WASHINGTON AVE						
SAS #4952-032	SAS #4952-012	129	12"	VCP	Y	-
SAS #4	CC #7	9	12"	VCP	N	-

SANITARY PIPE ABANDONMENTS

REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
INBOUND W. WASHINGTON AVE						
SAS #4952-012	SAS #4952-020	368	12"	VCP	Y	[2]
SAS #4952-019	SAS #4952-020	143	12"	VCP	Y	[2]

SPECIFIC NOTES

- [1] PROVIDE AND INSTALL COMPRESSION COUPLING PER S.D.D. 5.3.3
- [2] ABANDON PIPE WITH SLURRY. ABANDON PIPE PAID UNDER BID ITEM 20335

STORM SEWER SCHEDULE

*REVISED KDF 5/16/2018

W. WASHINGTON AVE. RESURFACING 2018 PROJECT NO. 53W0752, 10259	SHEET NO. U-4
STORM SEWER SCHEDULE	
CITY OF MADISON	

PROPOSED STORM STRUCTURES

STRUC. NO.	STATION	LOCATION (OFFSET)	TYPE	TOP OF CASTING	E.I.	DEPTH	NOTES
INBOUND W. WASHINGTON AVE							
* S-4	12+99.77	LT-18.08	H INLET	860.32	856.17	4.15	W/R-1878-B7G
* S-5	13+05.12	RT-10.00	3X3 SAS	859.85	856.30	3.55	FP, W/R-1550-0054
* S-6	14+42.72	RT-9.50	3X3 SAS	860.28	856.97	3.31	W/R-1550-0054
* S-6A	14+42.96	RT-16.50	H INLET	860.64	858.39	2.25	FP, W/R-3067-7004-VB
* S-7	14+38.96	LT-13.00	H INLET	860.80	857.07	3.73	W/R-3067-7004-VB
S-21A	18+69.95	RT-24.45	TAP	-	854.09	-	-
S-28	15+46.50	RT-22.83	H INLET	860.05	856.58	3.47	W/R-3067-7004-V
OUTBOUND W. WASHINGTON AVE							
S-1	50+99.60	RT-10.95	TAP	-	854.44	-	-
* S-2	51+69.18	RT-18.46	3X3 SAS	859.25	853.80	5.45	W/R-1550-0054
S-3	52+98.16	RT-18.37	H INLET	860.72	855.68	5.04	W/R-3067-7004-V
* S-8	54+34.18	RT-11.42	H INLET	860.60	857.16	3.44	W/R-3067-7004-VB
S-9	54+27.50	LT-18.55	H INLET	860.46	857.30	3.16	W/R-3067-7004-VB
S-20	60+07.94	LT-24.64	TAP	-	853.10	-	-
S-21	58+79.00	LT-21.50	3X6 SAS	858.07	852.80	5.27	[2], 'FP, W/R-3067-7004-VB
S-22	58+01.00	LT-20.50	3X3 SAS	857.98	853.18	4.80	W/R-1550-0054
* S-23	57+67.50	LT-20.50	3X3 SAS	858.10	0.00	858.10	W/R-1550-0054
S-24	57+37.50	LT-21.50	3X6 SAS	858.53	1706.92	-848.39	[2], 'FP, W/R-3067-7004-VB
S-25	56+27.50	LT-20.50	3X3 SAS	858.60	854.00	4.60	W/R-1550-0054
* S-26	55+56.07	LT-21.25	3X3 SAS	859.30	854.31	4.99	W/R-1550-0054
S-26A	55+27.73	LT-23.70	H INLET	859.32	856.05	3.27	W/R-3067-7004-VB
S-27	55+54.62	RT-10.24	3X3 SAS	859.75	856.23	3.52	[1], W/R-1550-0054

PROPOSED STORM PIPES

PIPE NO.	FROM (DNSTM)	TO (UPSTM)	DISCH. E.I.	INLET E.I.	PLAN (PAY) LGTH (FT)	PIPE LGTH (FT)	SLOPE (%)	PIPE SIZE	TYPE	NOTES
INBOUND W. WASHINGTON AVE										
* P-5	S-5	S-6	856.30	856.97	137.5	134.5	0.50%	15"	RCP	-
* P-6	S-6	S-7	856.97	857.07	23	20.3	0.50%	12"	RCP	-
* P-6A	S-6	S-6A	857.60	858.39	7	4.5	17.50%	12"	RCP	-
* P-7	S-7	S-8	857.07	857.16	20.5	18.5	0.50%	12"	RCP	-
P-27	S-27	S-28	856.23	856.58	57	54.2	0.65%	12"	RCP	-
OUTBOUND W. WASHINGTON AVE										
* P-1	S-1	S-2	853.47	853.80	70	66.4	0.50%	15"	RCP	-
* P-2	S-2	S-3	854.30	855.68	129	126	1.10%	15"	RCP	-
* P-3	S-3	S-4	856.14	856.17	8.5	6.3	0.50%	15"	RCP	-
* P-4	S-4	S-5	856.17	856.30	28.5	26.1	0.50%	15"	RCP	-
* P-8	S-8	S-9	857.16	857.30	31	28.7	0.50%	12"	RCP	-
P-20	S-20	S-21	852.16	852.80	129	127.5	0.50%	18"	RCP	-
P-21	S-21	S-22	852.80	853.18	78	75	0.50%	18"	RCP	-
P-21A	S-21	S-21A	853.68	854.09	85.5	81.5	0.50%	18"	RCP	-
* P-22	S-22	S-24	853.18	853.46	63	63.5	0.44%	18"	RCP	-
* P-23	S-23	S-24	853.33	853.46	30	27	0.50%	18"	RCP	-
* P-24	S-24	S-25	853.46	854.00	110	107	0.50%	18"	RCP	-
* P-25	S-25	S-26	854.00	854.31	71	68.1	0.46%	15"	RCP	-
P-26	S-26	S-27	855.66	856.23	31.5	28.5	2.00%	15"	RCP	-
P-26A	S-26	S-26A	855.79	856.05	28.5	25.7	1.00%	12"	RCP	-

STORM STRUCTURE ADJUSTMENTS

ADJUST NO.	I.D. NO.	STATION	LOCATION (OFFSET)	EX. TOC ELEV.	ADJUST ELEV.	ADJUST DIFF.	NOTES
INBOUND W. WASHINGTON AVE							
ADJ-2	AS 4853-048	11+17.00	RT-81.60	859.86	859.86	0.00	[3], OFFSET CASTING
ADJ-3	IN 4853-050	11+72.75	RT-48.85	858.80	858.80	0.00	INLET
ADJ-4	IN 4853-050	11+71.25	RT-52.45	858.77	858.77	0.00	INLET
OUTBOUND W. WASHINGTON AVE							
ADJ-1	AS 4853-052	50+99.60	RT-10.95	858.76	858.76	0.00	SAS
ADJ-5	AS 4853-053	50+81.80	LT-44.15	858.47	858.66	0.19	[3]
ADJ-6	IN 4853-055	50+76.25	LT-44.05	858.72	858.69	-0.03	INLET
ADJ-7	IN 4853-054	50+57.90	LT-76.40	858.53	858.39	-0.14	INLET
ADJ-8	IN 4853-057	51+04.80	LT-59.70	857.84	857.84	0.00	INLET
ADJ-9	IN 4853-057	51+07.50	LT-57.15	857.82	857.82	0.00	INLET
ADJ-20	AS 4952-025	60+08.95	LT-28.74	856.90	856.84	-0.06	SAS
ADJ-21	AS 4952-082	60+19.75	LT-19.25	857.17	857.17	0.00	SAS
ADJ-22	IN 4952-110	55+35.00	RT-11.60	860.34	860.29	-0.05	INLET

SPECIFIC NOTES

- [1] EXISTING STORM SEWER TO BE CONNECTED TO PROPOSED STRUCTURE
- [2] OFFSET PIPE FROM CENTER OF STRUCTURE TOWARDS STREET CENTER
- [3] STRUCTURE TO BE REBUILT NOT ADJUSTED; SHALL BE PAID UNDER NID ITEM - REBUILD ACCESS STRUCTURE TOP - RESURFACING; REPLACE EXISTING CASTING W/R-1550-0054 CASTING

STANDARD NOTES:

- ABBREVIATIONS: AE = APRON ENDWALL; RCP = REINFORCED CONCRETE PIPE; HERCP = HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE; DNA = APPLY; SAS = SEWER ACCESS STRUCTURE; LP = LOW POINT INLET STRUCTURE; FP = FIELD POURED STRUCTURE; TR = TOP OF CONCRETE ROOF; NCM = NO MATCH FOR PIPES; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
- TOP OF CASTING GRADE GIVEN IS THE TOP OF CURB FOR INLET STRUCTURES AND THE FLOWLINE OF THE CLOSED CASTING FOR SAS's.
- TOP OF CONCRETE ROOF (TR) IS 1.25' BELOW TOP OF CASTING UNLESS OTHERWISE NOTED.
- ALL REINFORCED CONCRETE PIPES TO BE CLASS III UNLESS OTHERWISE NOTED.
- PLAN LENGTH (PAY LENGTH) IS FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE. PIPE LENGTH IS ACTUAL LENGTH OF PIPE FROM STRUCTURE WALL TO STRUCTURE WALL. SLOPE CALCULATED USING PIPE LENGTH.
- SURVEYOR TO CONFIRM THAT ALL INLET STATION / OFFSETS LINE UP WITH PROPOSED CURB AND GUTTER.
- ALL STRUCTURES CALLED OUT AS FIELD POURED SHALL BE FIELD POURED. ALL OTHER STRUCTURES (NOT INDICATED AS FIELD POURED) SHALL BE CITY ENGINEERING FOR APPROVAL IF PRECAST STRUCTURES ARE PREFERRED. CONTACT KYLE FRANK OF CITY ENGINEERING AT (608) 266-4098 FOR APPROVALS. FAX SHOP DRAWINGS TO (608)264-9275, OR EMAIL SHOP DRAWINGS TO KFRANK@CITYOFMADISON.COM.

STORM SEWER SCHEDULE

*REVISED KDF 5/16/2018

W. WASHINGTON AVE. RESURFACING 2018 PROJECT NO. 53W0752, 10259	SHEET NO. U-5
STORM SEWER SCHEDULE	
CITY OF MADISON	

REMOVE STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
INBOUND W. WASHINGTON AVE					
R-4	AS 4853-059	13+05.50	RT-11.85	SAS	-
R-28	IN 4952-108	15+46.55	RT-22.50	INLET	-
OUTBOUND W. WASHINGTON AVE					
R-1	AS 4853-056	51+31.85	RT-11.85	CATCHBASIN	-
R-2	AS 4853-058	52+95.95	RT-10.50	SAS	-
R-3	IN 4853-093	52+99.85	RT-26.55	INLET	-
R-5	IN 4852-036	54+22.00	LT-18.90	INLET	-
R-20	IN 4952-118	59+86.15	LT-23.85	SAS	-
R-21	AS 4952-029	58+78.65	LT-23.50	SAS	-
R-22	IN 4952-116	57+37.30	LT-23.50	INLET	-
R-23	IN 4952-039	56+43.40	LT-23.25	INLET	-
R-24	IN 4952-040	56+27.60	LT-23.25	INLET	-
R-25	AS 4952-026	55+56.25	LT-24.80	CATCHBASIN	-
R-26	IN 4952-027	55+31.30	LT-28.50	INLET	-
R-27	AS 4952-109	55+54.60	RT-10.25	SAS	-

ABANDON STORM STRUCTURES

STRUC. NO.	ID NO.	STATION	LOCATION (OFFSET)	TYPE	NOTES
INBOUND W. WASHINGTON AVE					
AB-1	AS 4952-041	14+64.50	RT-14.45	SAS	-
OUTBOUND W. WASHINGTON AVE					
AB-2	IN 4852-035	54+37.45	LT-18.45	INLET	-

UTILITY LINE OPENINGS (ULOs) [2]

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
OUTBOUND W. WASHINGTON AVE					
ULO1	51+21.15	RT-13.10	GAS	-	-
* ULO2	51+57.25	RT-11.00	ELEC & FO DUCT	856.93	BTM = 855.24, CONFLICT, STM REVISED
* ULO3A	52+99.40	RT-21.55	ELEC DUCT	856.07	BTM = 854.87, CONFLICT, STM REVISED
* ULO3B	52+99.00	RT-21.00	2" FO	857.62	[3], CONFLICT
ULO8	54+29.05	LT-11.70	FO	-	-
* ULO9	55+26.10	LT-26.25	1" STEEL ELEC	857.48	[3], CONFLICT
* ULO10	55+57.50	LT-7.95	12 DUCT FO	854.57	BTM = 852.95, OK
* ULO11	55+55.20	RT-15.15	FO DUCT	855.74	BTM = 853.84, OK
* ULO14	55+96.35	LT-25.75	ELEC DUCT	857.46	BTM = 855.55, CONFLICT, STM REVISED
* ULO15	57+68.30	LT-29.75	6" GAS	855.17	OK, STM LAT ABAN
* ULO16	58+00.70	LT-29.60	8" STM	855.38	OK
* ULO17	59+79.20	LT-28.15	TE ELEC	855.16	OK
* ULO 18	59+89.25	LT-26.55	4" PL ELEC	855.53	OK
ULO19	60+04.20	LT-24.50	FO	-	-
* ULO102	52+71.80	RT-13.90	FO	857.08	CONFLICT, STM REVISED
* ULO103	55+66.30	RT-25.45	8" GAS	853.58	OK

SPECIFIC NOTES

- [1] ABANDON STORM SEWER WITH SLURRY PAID UNDER BID ITEM 20335
 [2] LISTED ULOS WERE COMPLETED PRIOR TO THE START OF THE PROJECT BY OTHERS. ULO INFO WILL BE PROVIDED ONCE RECEIVED. FIVE (5) UNDISTRIBUTED ULOS INCLUDED IN CONTRACT FOR USE AS DIRECTED
 * [3] UTILITY IN CONFLICT WITH PROPOSED STORM . CONTRACTOR TO COORDINATE RELOCATION WITH UTILITY OWNER

REMOVE STORM PIPES

REMOVE NO.	REMOVE FROM	REMOVE TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	PAID (Y/N)	NOTES
INBOUND W. WASHINGTON AVE							
RP-2	R-2	R-3	15	12"	VCP	Y	
RP-3	R-3	R-4	28	12"	VCP	N	
RP-4	AB-2	R-5	14	12"	VCP	Y	
RP-27	R-27	R-28	53	12"	VCP	N	
OUTBOUND W. WASHINGTON AVE							
RP-20	S-20	R-20	20	12"	VCP	N	-
RP-21	R-20	R-21	104	12"	VCP	N	-
RP-21A	R-21	S-21A	86	12"	VCP	N	-
RP-22	R-21	R-22	138	12"	VCP	N	-
RP-23	R-22	R-23	91	12"	VCP	N	-
RP-24	R-23	R-24	13	12"	VCP	N	-
RP-25	R-25	R-26	21	12"	VCP	Y	-
RP-26	R-25	R-27	31	12"	VCP	N	

ABANDON STORM PIPES

ABAN NO.	ABAN FROM	ABAN TO	LGTH (FT)	PIPE SIZE	PIPE TYPE	NOTES
INBOUND W. WASHINGTON AVE						
ABP-3	R-4	AB-1	155	8"	CMP	[1]
ABP-4	AB-1	AB-2	79	8"	CMP	[1]
OUTBOUND W. WASHINGTON AVE						
ABP-1	ADJ-1	R-1	28	12"	VCP	[1]
ABP-2	R-1	R-2	159	12"	VCP	[1]
ABP-20	R-24	R-25	67	12"	VCP	[1]

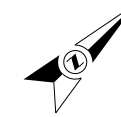
UTILITY LINE OPENINGS (ULOs) [2]

ULO NO.	STATION	LOCATION (OFFSET)	TYPE	TOP ELEV.	NOTES
INBOUND W. WASHINGTON AVE					
* ULO4	12+99.50	LT-15.05	12" STEEL GAS	855.68	CONFLICT, MGE TO RELOCATE
* ULO5	13+35.05	RT-10.00	FO	-	ULO NOT NEEDED
* ULO6	14+39.35	RT-12.84	2" FO	856.53	CONFLICT, STM REVISED
* ULO7	14+43.65	RT-15.15	ELEC DUCT	857.88	BTM = 856.63, CONFLICT, STM REVISED
* ULO12	15+50.25	LT-17.90	12" STEEL GAS	855.05	OK
* ULO13	15+45.30	RT-16.65	ELEC DUCT	855.61	BTM = 853.81, OK

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; UD = UNDERDRAIN
- APPROXIMATE DISCHARGE E.I. GIVEN, ADJUST E.I. AND PIPE SLOPE IN THE FIELD.
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EPOXY PAVEMENT MARKING PLAN

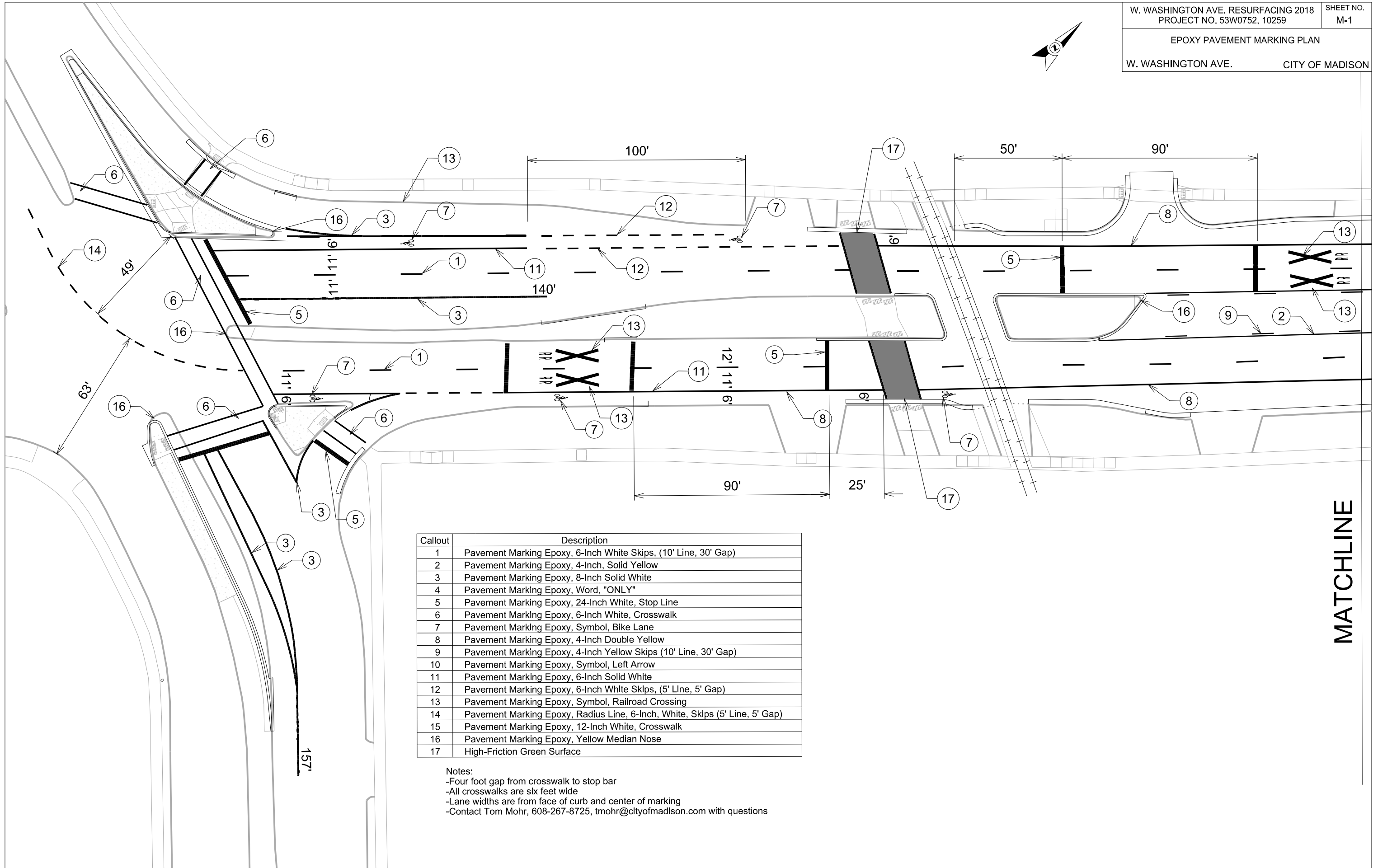


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Callout	Description
1	Pavement Marking Epoxy, 6-Inch White Skips, (10' Line, 30' Gap)
2	Pavement Marking Epoxy, 4-Inch, Solid Yellow
3	Pavement Marking Epoxy, 8-Inch Solid White
4	Pavement Marking Epoxy, Word, "ONLY"
5	Pavement Marking Epoxy, 24-Inch White, Stop Line
6	Pavement Marking Epoxy, 6-Inch White, Crosswalk
7	Pavement Marking Epoxy, Symbol, Bike Lane
8	Pavement Marking Epoxy, 4-Inch Double Yellow
9	Pavement Marking Epoxy, 4-Inch Yellow Skips (10' Line, 30' Gap)
10	Pavement Marking Epoxy, Symbol, Left Arrow
11	Pavement Marking Epoxy, 6-Inch Solid White
12	Pavement Marking Epoxy, 6-Inch White Skips, (5' Line, 5' Gap)
13	Pavement Marking Epoxy, Symbol, Railroad Crossing
14	Pavement Marking Epoxy, Radius Line, 6-Inch, White, Skips (5' Line, 5' Gap)
15	Pavement Marking Epoxy, 12-Inch White, Crosswalk
16	Pavement Marking Epoxy, Yellow Median Nose
17	High-Friction Green Surface

Notes:
 -Four foot gap from crosswalk to stop bar
 -All crosswalks are six feet wide
 -Lane widths are from face of curb and center of marking
 -Contact Tom Mohr, 608-267-8725, tmohr@cityofmadison.com with questions

MATCHLINE

EPOXY PAVEMENT MARKING PLAN

W. WASHINGTON AVE. CITY OF MADISON

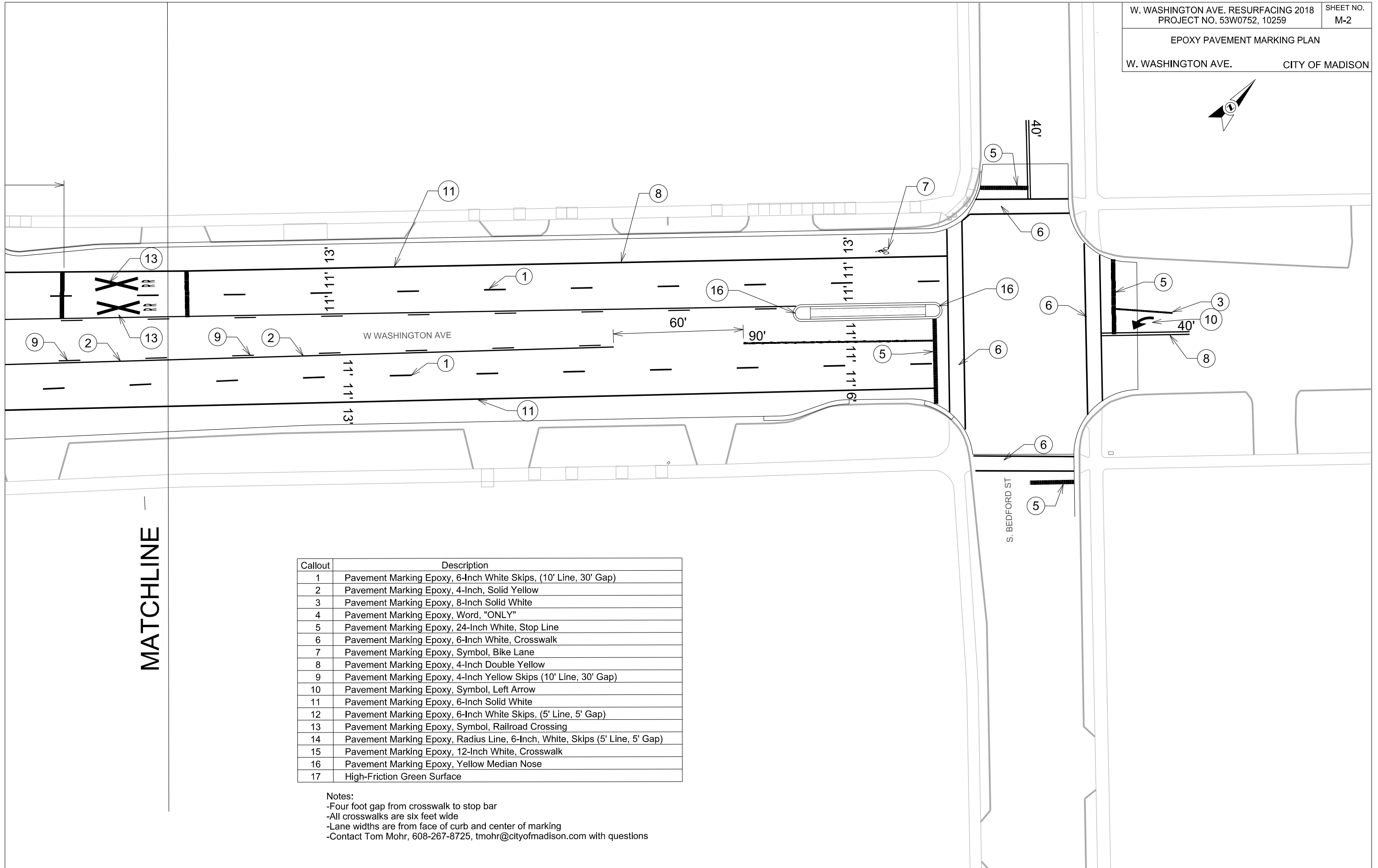


PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



MATCHLINE

Callout	Description
1	Pavement Marking Epoxy, 6-Inch White Skips, (10' Line, 30' Gap)
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6	Pavement Marking Epoxy, 6-Inch White, Crosswalk
7	Pavement Marking Epoxy, Symbol, Bike Lane
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11	Pavement Marking Epoxy, 6-Inch Solid White
12	Pavement Marking Epoxy, 6-Inch White Skips, (5' Line, 5' Gap)
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14	Pavement Marking Epoxy, Radius Line, 6-Inch, White, Skips (5' Line, 5' Gap)
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16	Pavement Marking Epoxy, Yellow Median Nose
17	High-Friction Green Surface

Notes:
 -Four foot gap from crosswalk to stop bar
 -All crosswalks are six feet wide
 -Lane widths are from face of curb and center of marking
 -Contact Tom Mohr, 608-267-8725, tmohr@cityofmadison.com with questions

TRAFFIC CONTROL PHASING PLAN

PHASE 1

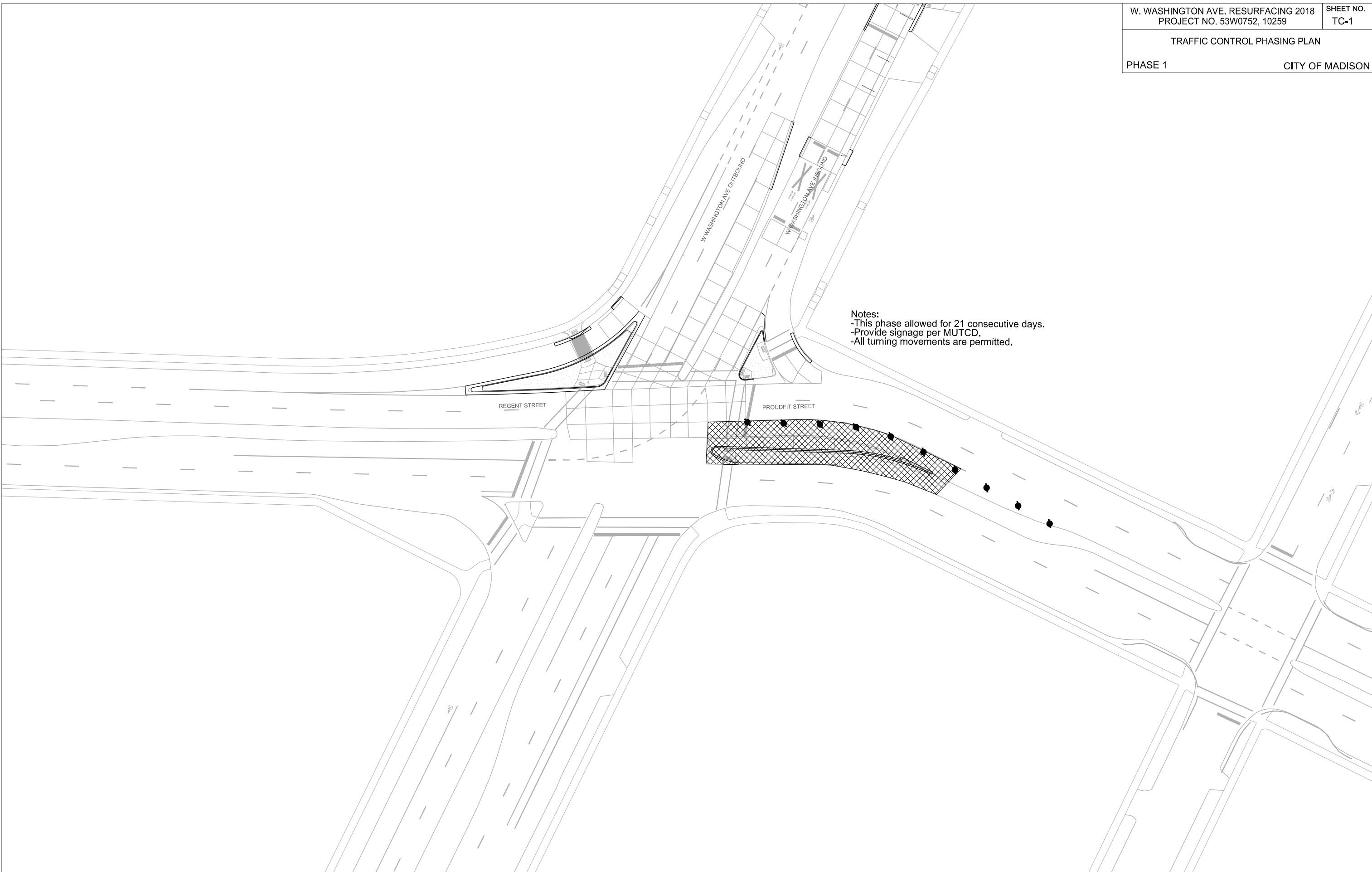
CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.



Notes:
-This phase allowed for 21 consecutive days.
-Provide signage per MUTCD.
-All turning movements are permitted.

TRAFFIC CONTROL PHASING PLAN

PHASE 2

CITY OF MADISON

This right turn lane may be closed on weekdays from 9am to 4pm to complete island work. During that closure, maintain right turns from the outbound West Washington Avenue thru lane.

Notes:
-This phase only allowed 9am Friday to 7am Monday.
-Provide signage per MUTCD

Message Board placed on Monday:
- THIS BLOCK CLOSED
- 9AM FRI. TO 7AM MON.

Left turns from EB Regent Street not permitted
All other turning movements are still permitted

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

TRAFFIC CONTROL PHASING PLAN

PHASE 3

CITY OF MADISON

Notes:
-This phase only allowed 9am Friday to 7am Monday.
-Provide signage per MUTCD

Message Board
placed on Monday:
- THIS
BLOCK
CLOSED
- 9AM FRI.
TO
7AM MON.

CMS

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

TRAFFIC CONTROL PHASING PLAN

PHASE 4

CITY OF MADISON

Notes:
-This phase only allowed from 9am Friday to 7am Monday.
-Provide signage per MUTCD.

Message Board
placed on Monday:
-
THIS
BLOCK
CLOSED
-
9AM FRI.
TO
7AM MON.

Left turns from EB Regent are not permitted.
All other turning movements are permitted.

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, TRAFFIC ENG. DIV.

TRAFFIC CONTROL PHASING PLAN

PHASE 5

CITY OF MADISON

Notes:
-This phase only allowed from 9am Friday to 7am Monday.
-Provide signage per MUTCD.
-All turning movements are permitted.

Message Board for
placed on Monday:
- THIS
BLOCK
CLOSED
- 9AM FRI.
TO
7AM MON.

CMS

PLOT SCALE:

PLOT NAME:

REV. DATE:

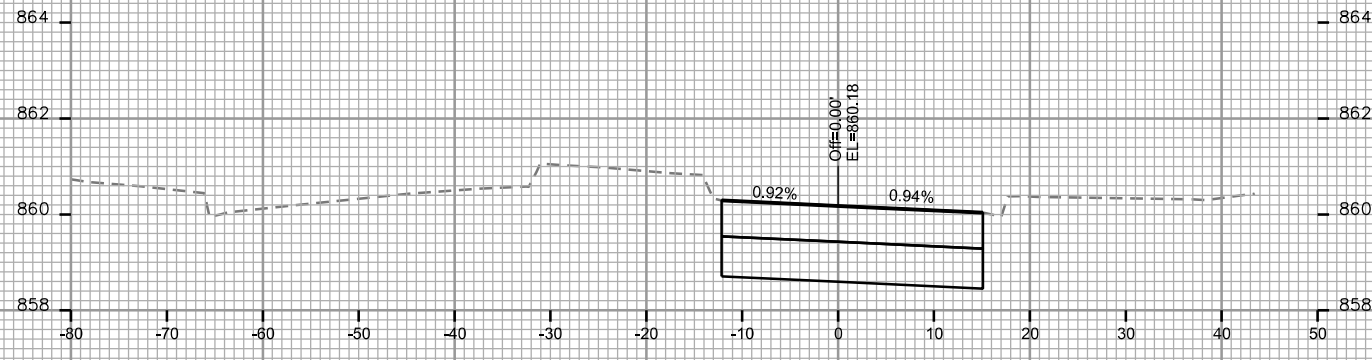
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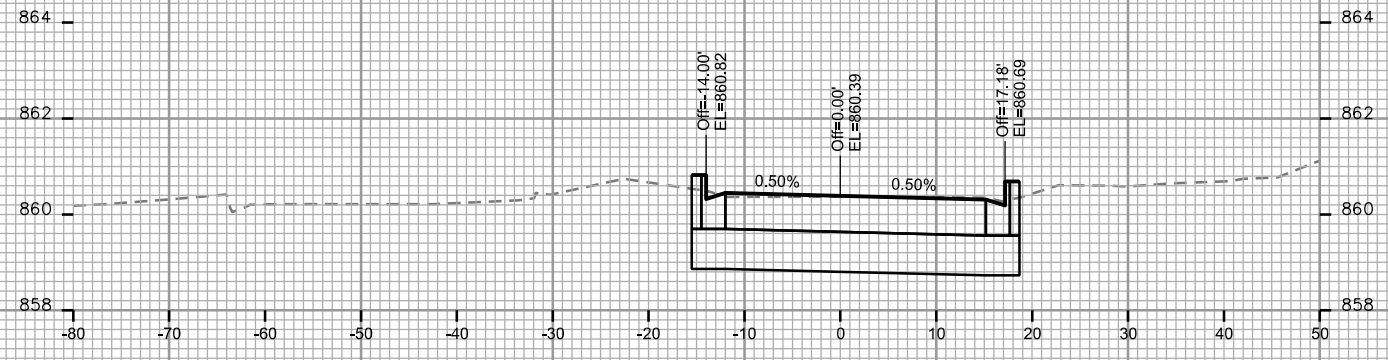
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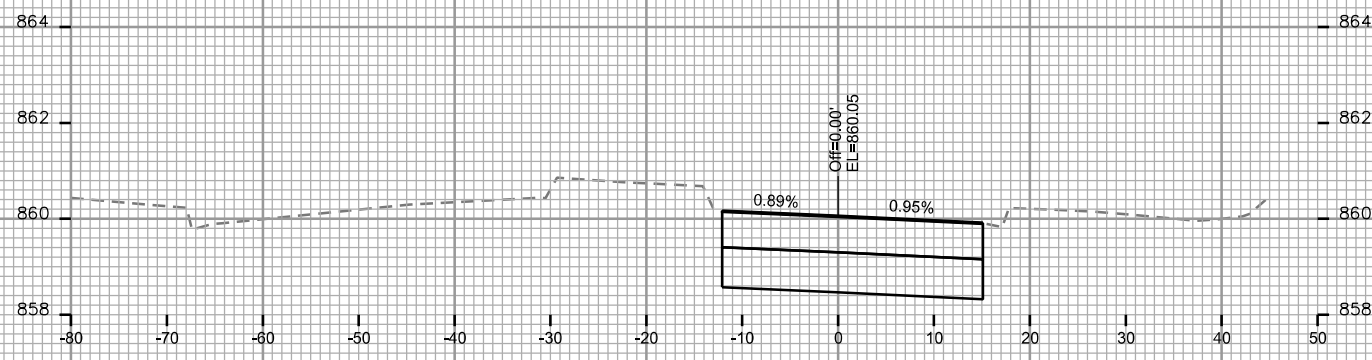
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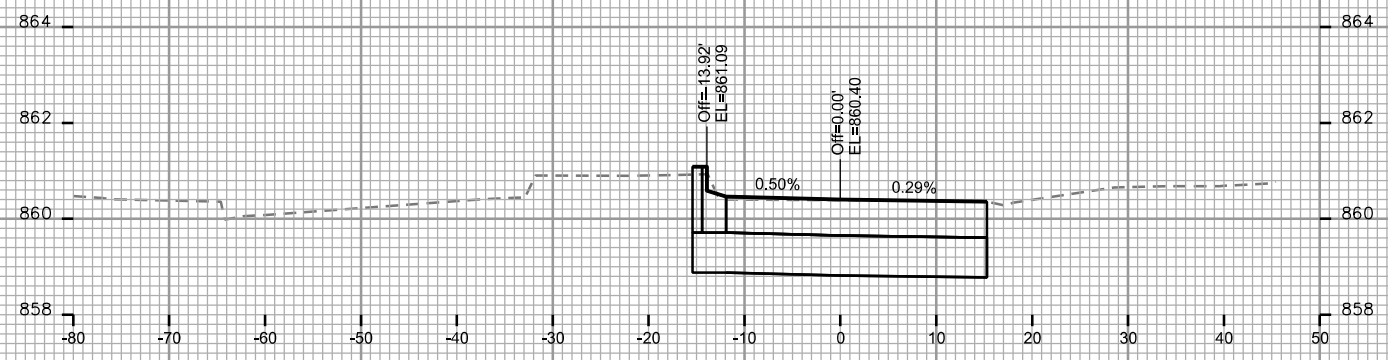
STA. 13+50



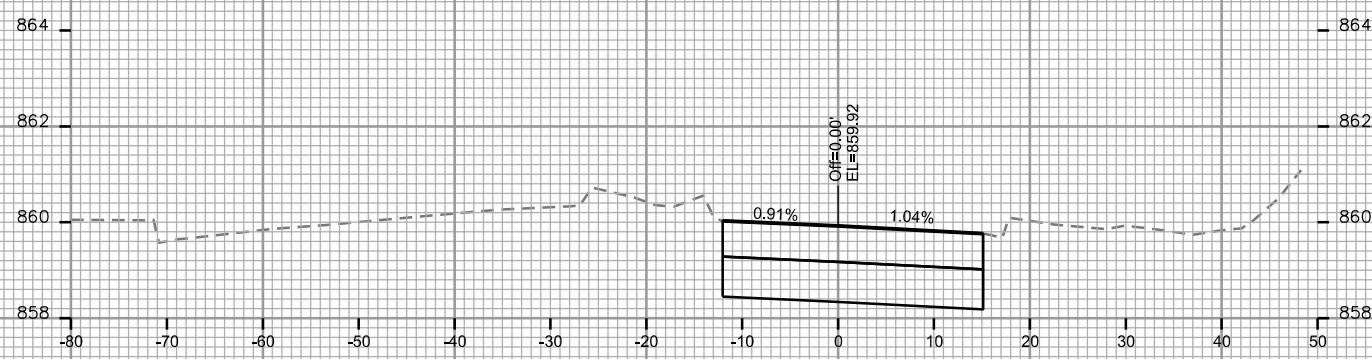
STA. 14+25



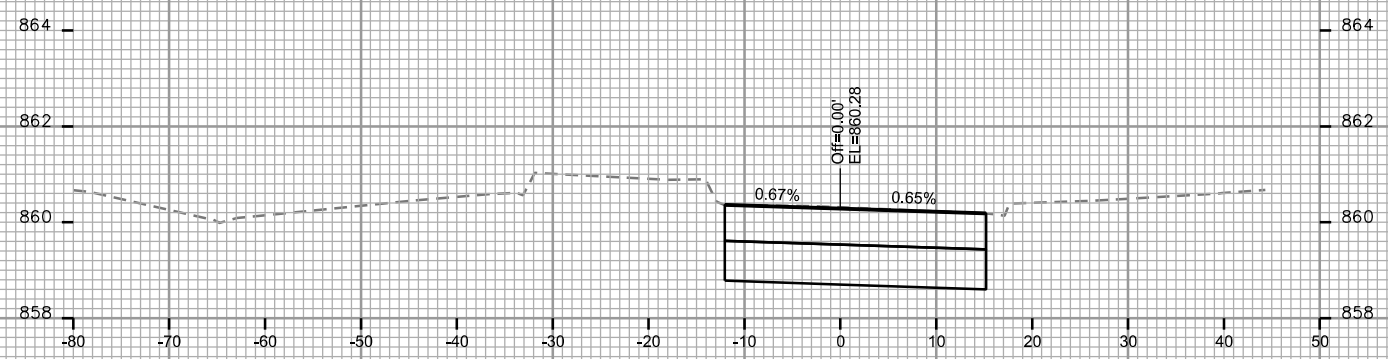
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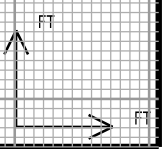
STA. 14+00



STA. 13+00



STA. 13+75



CROSS SECTIONS

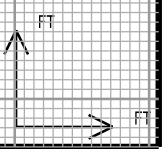
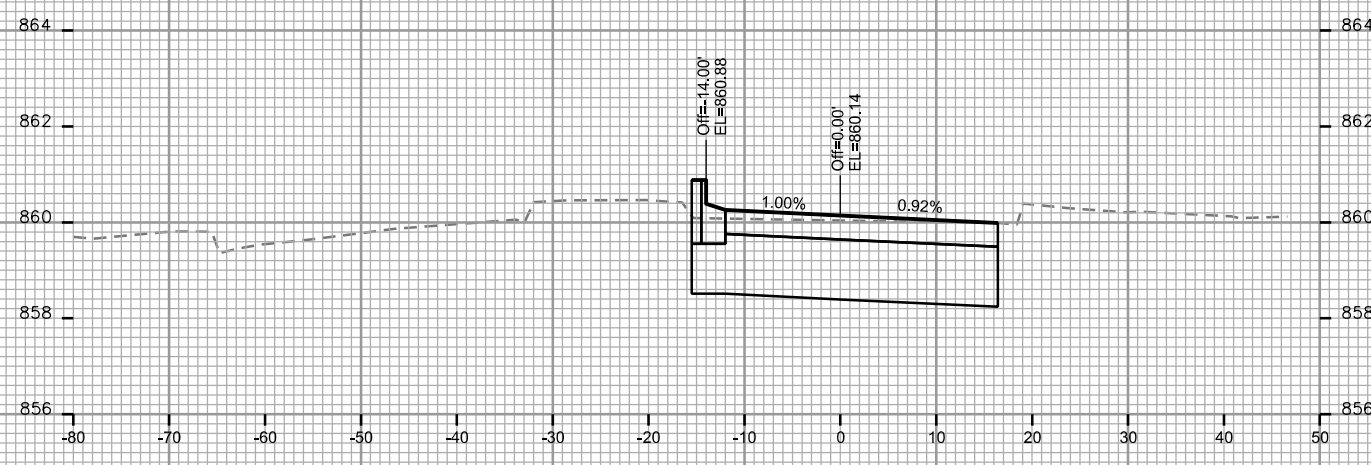
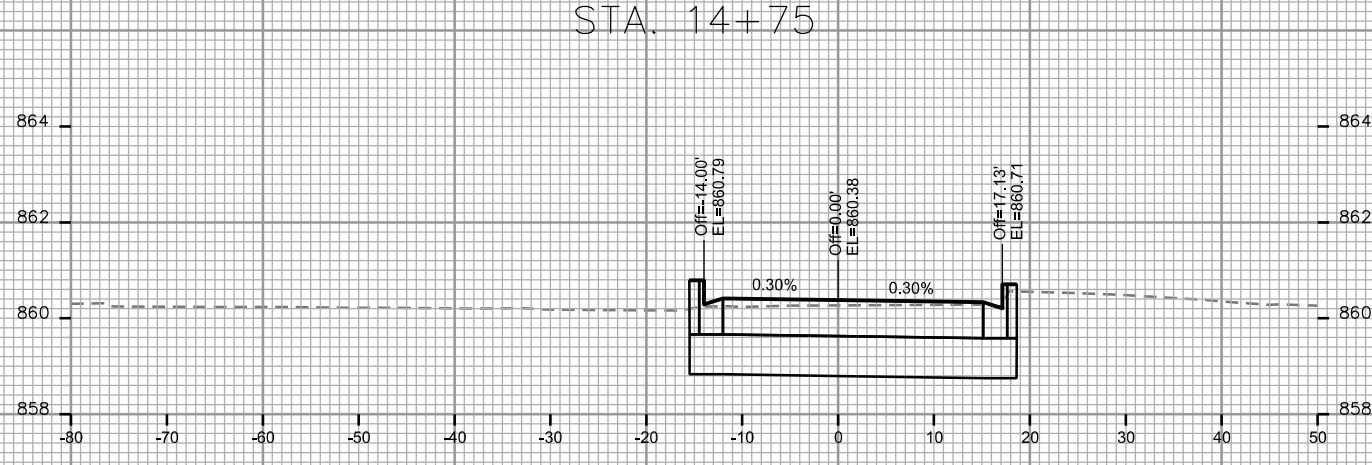
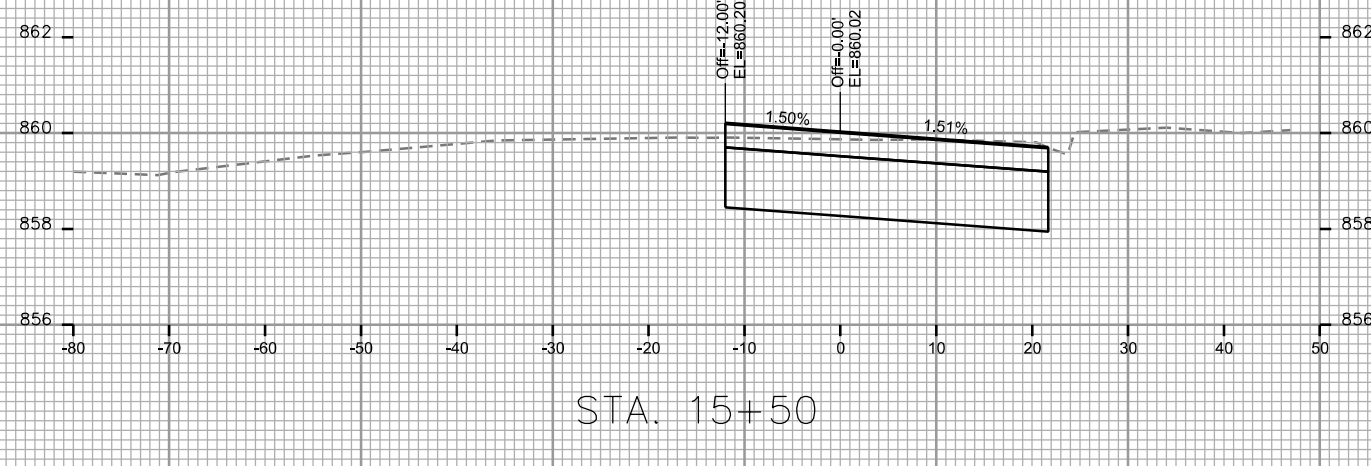
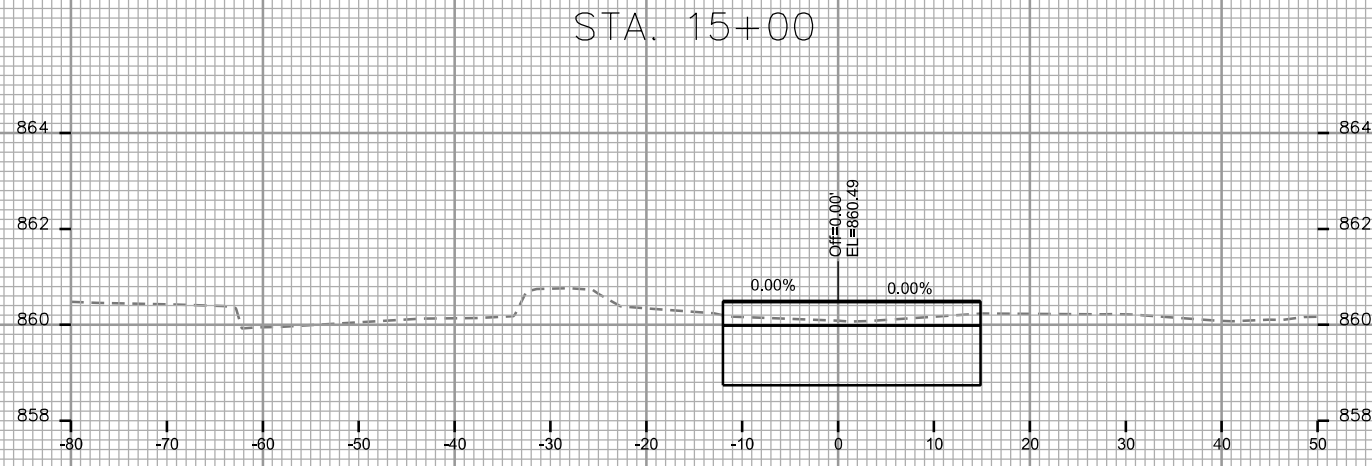
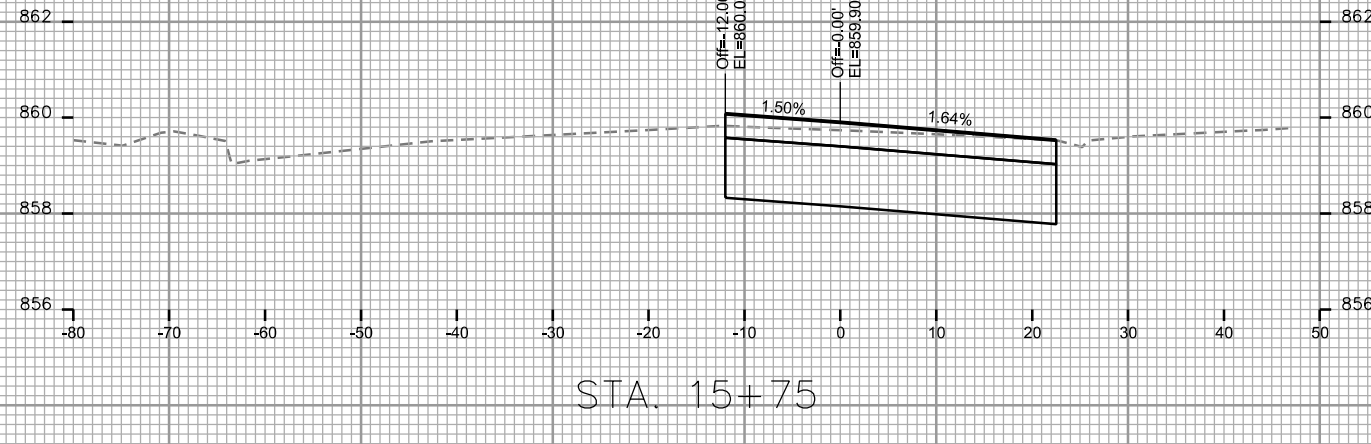
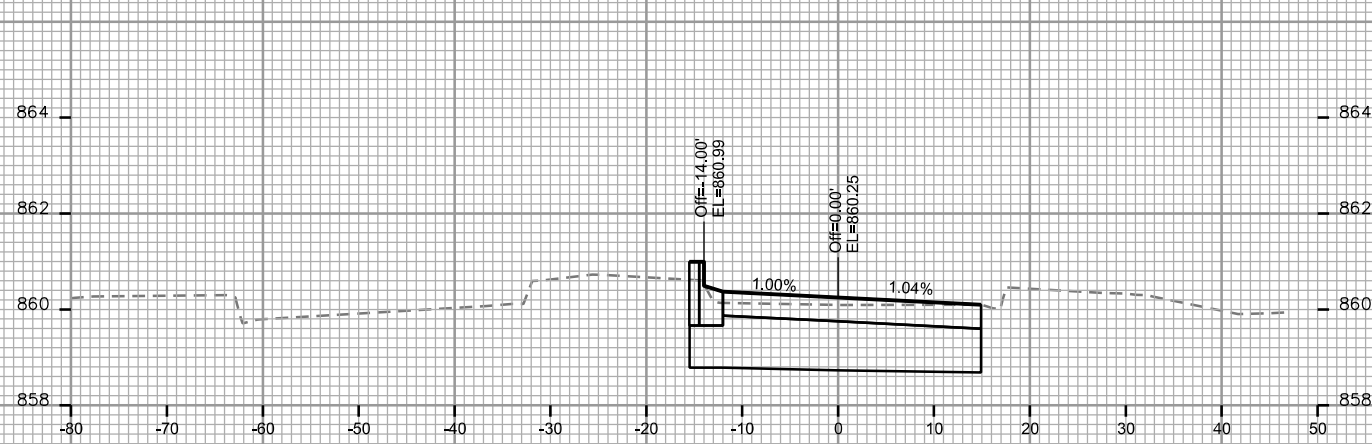
W. WASHINGTON INBOUND CITY OF MADISON

PLOT SCALE:

PLOT NAME:

REV. DATE:

ORIGINATOR: CITY OF MADISON, STREETS DIVISION



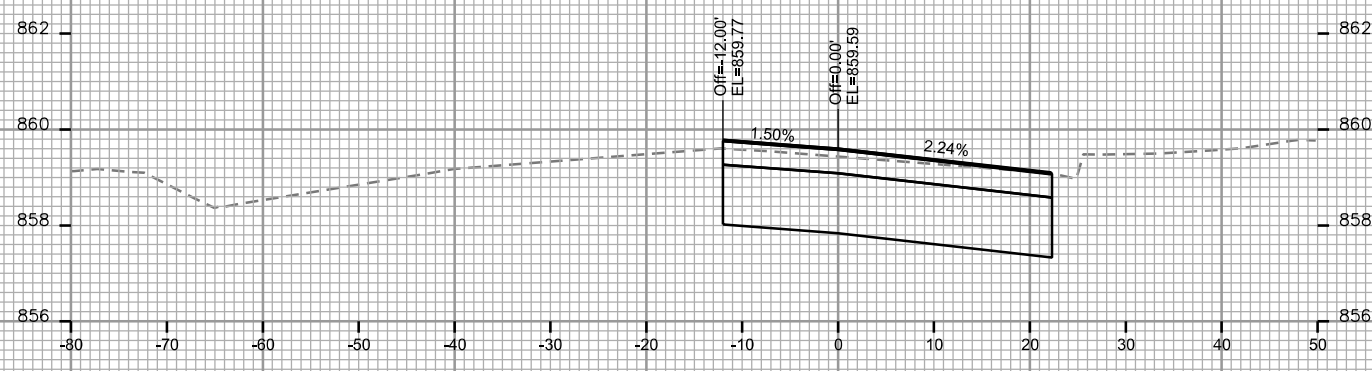
CROSS SECTIONS
W. WASHINGTON INBOUND CITY OF MADISON

PLOT SCALE:

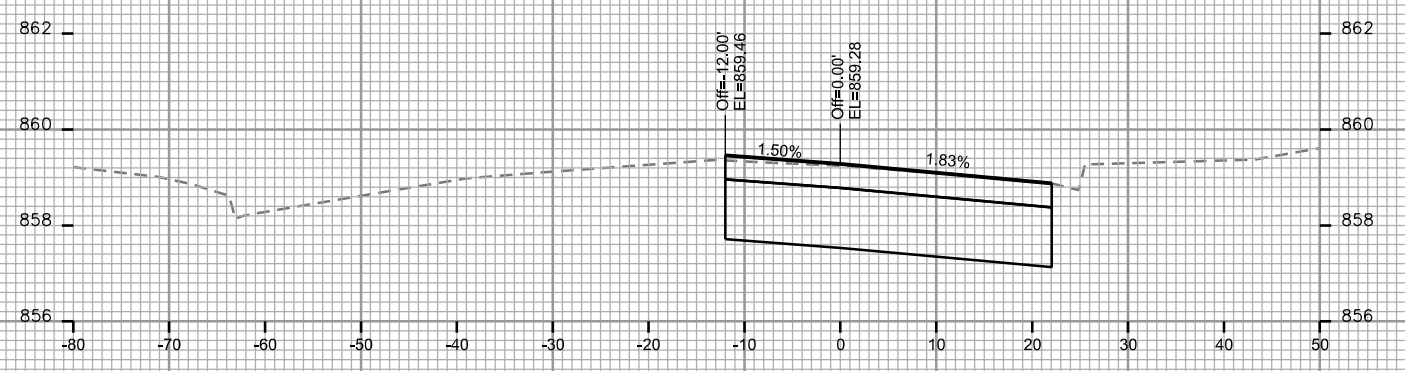
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REV. DATE:

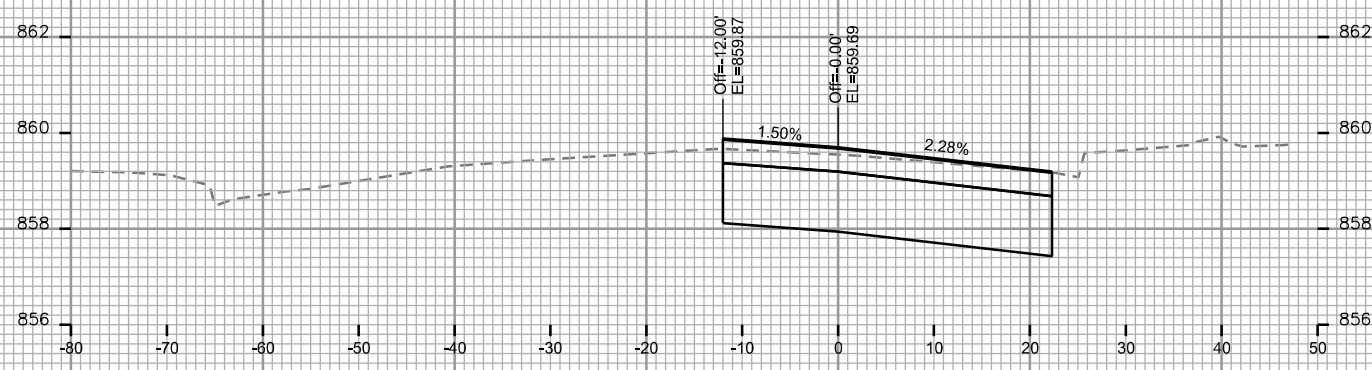
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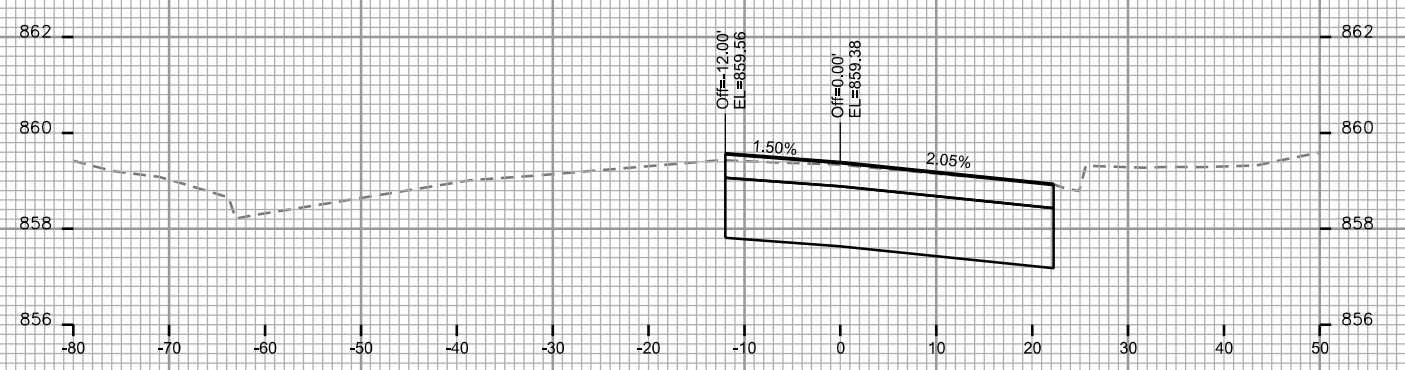
STA. 16+50



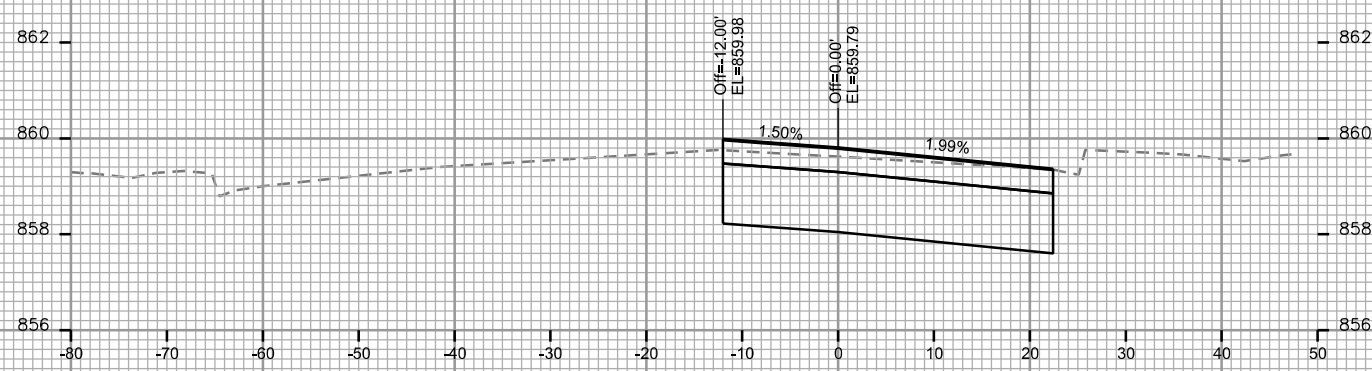
STA. 17+25



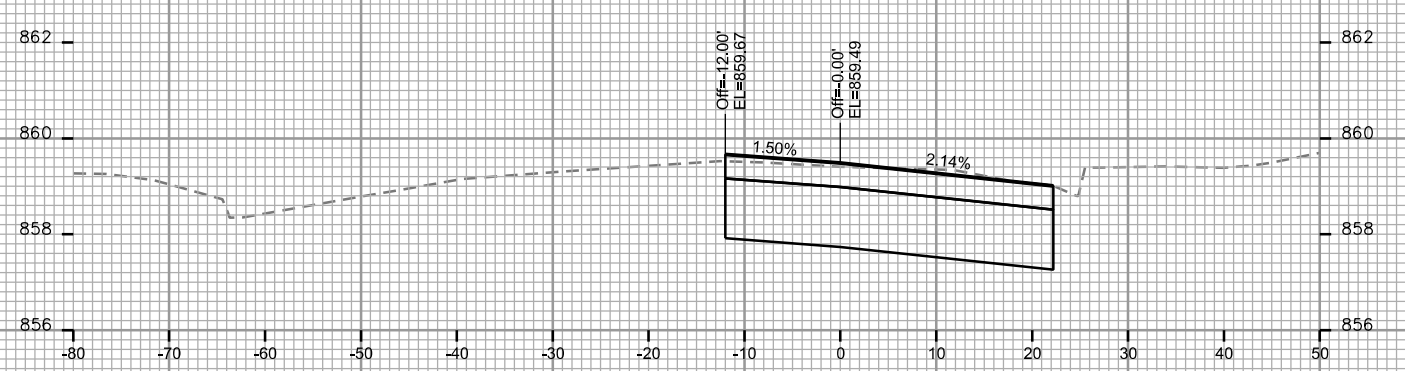
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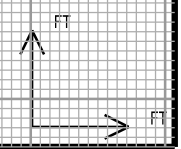
STA. 17+00



STA. 16+00



STA. 16+75



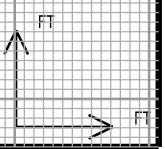
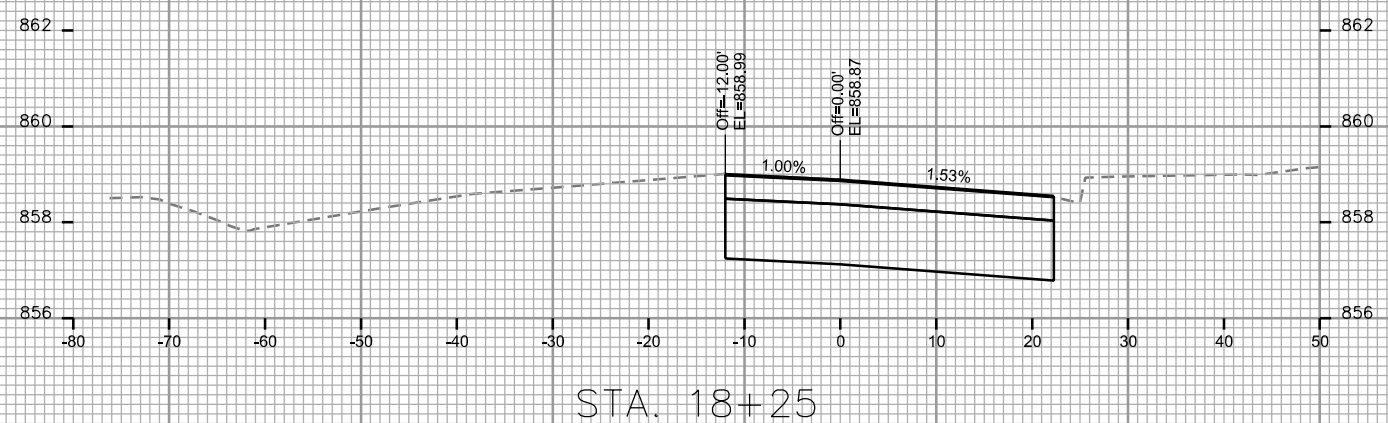
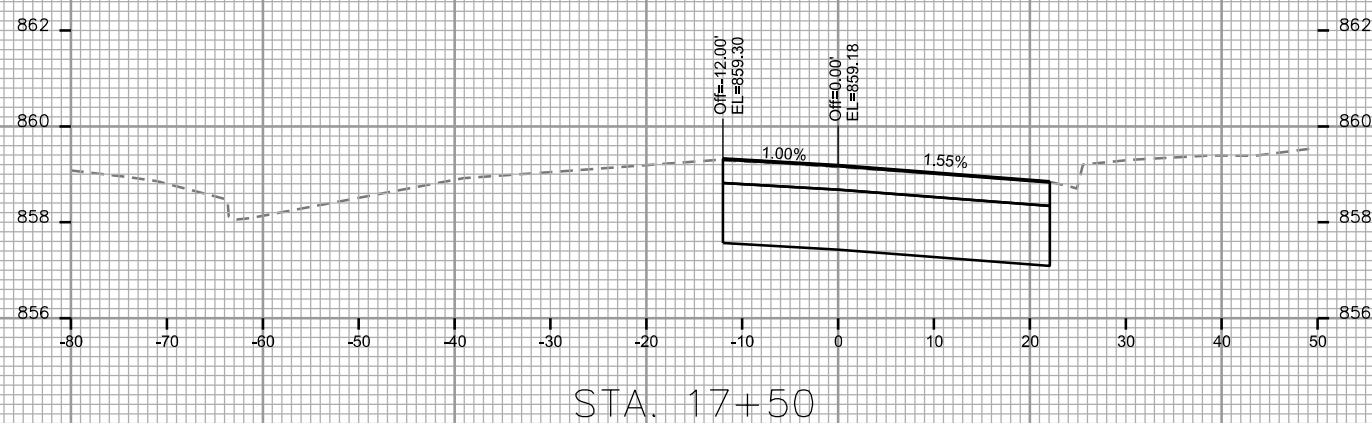
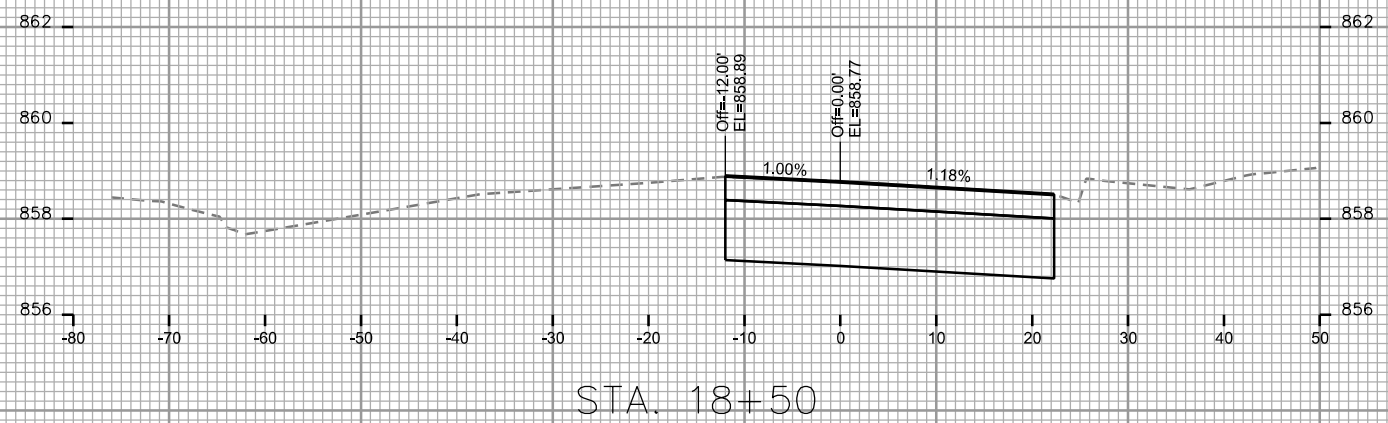
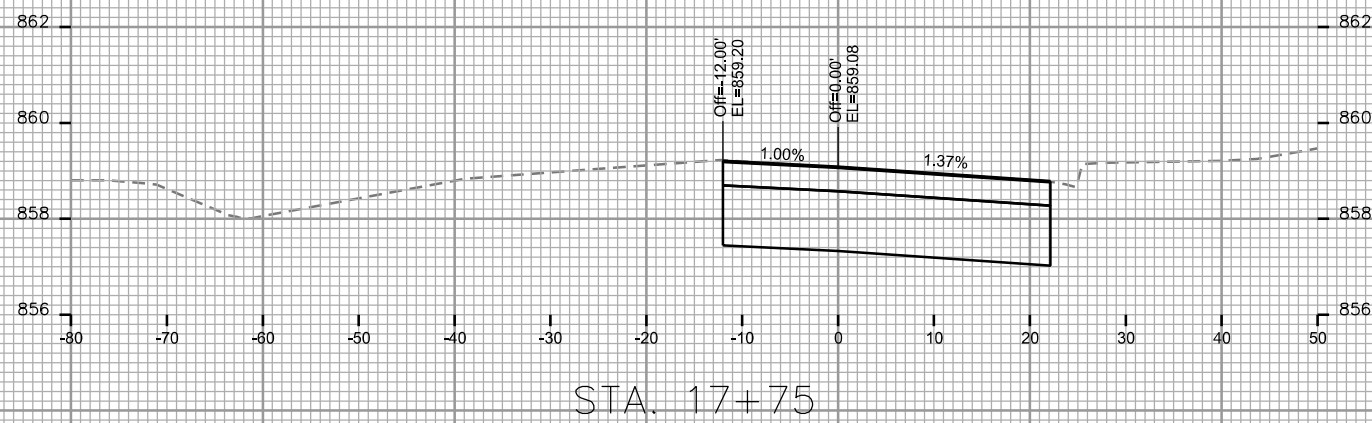
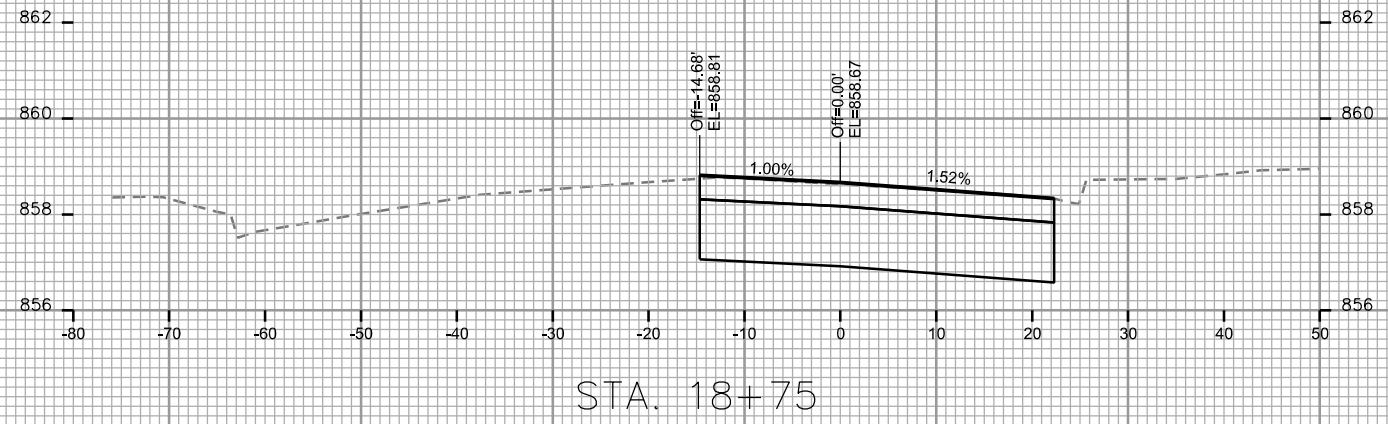
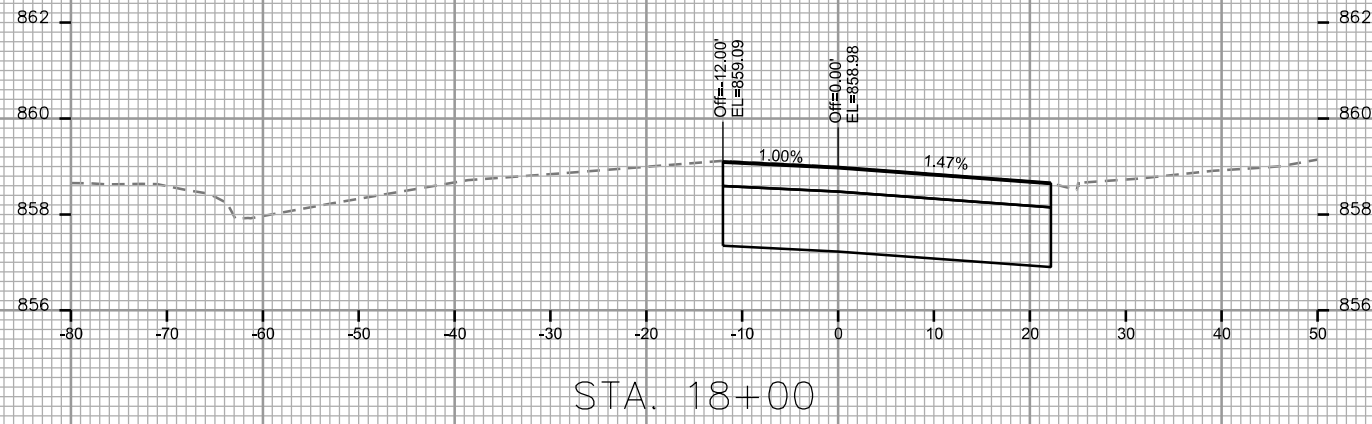
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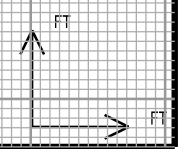
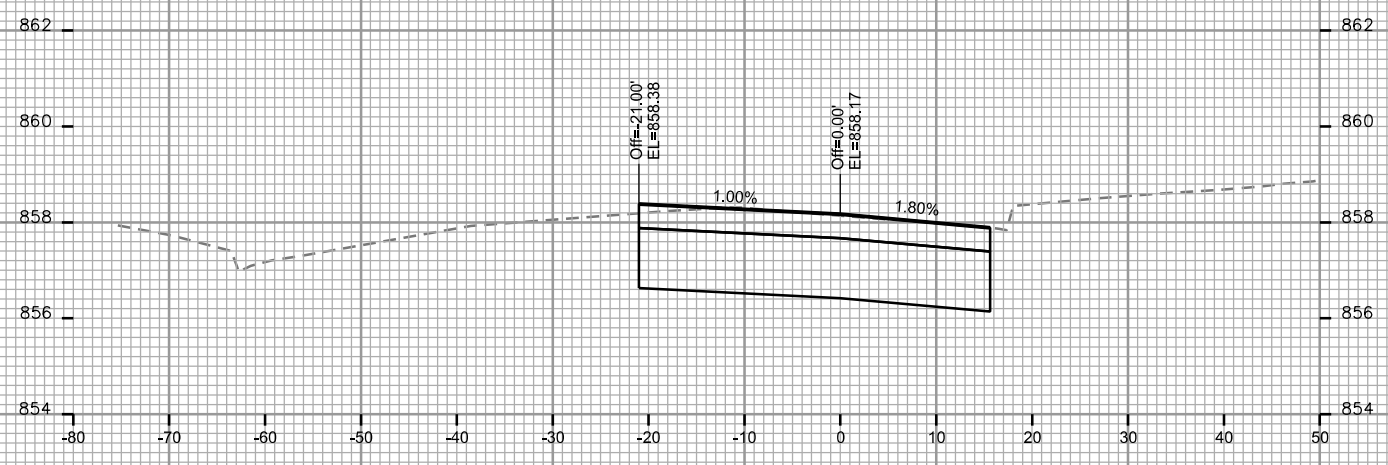
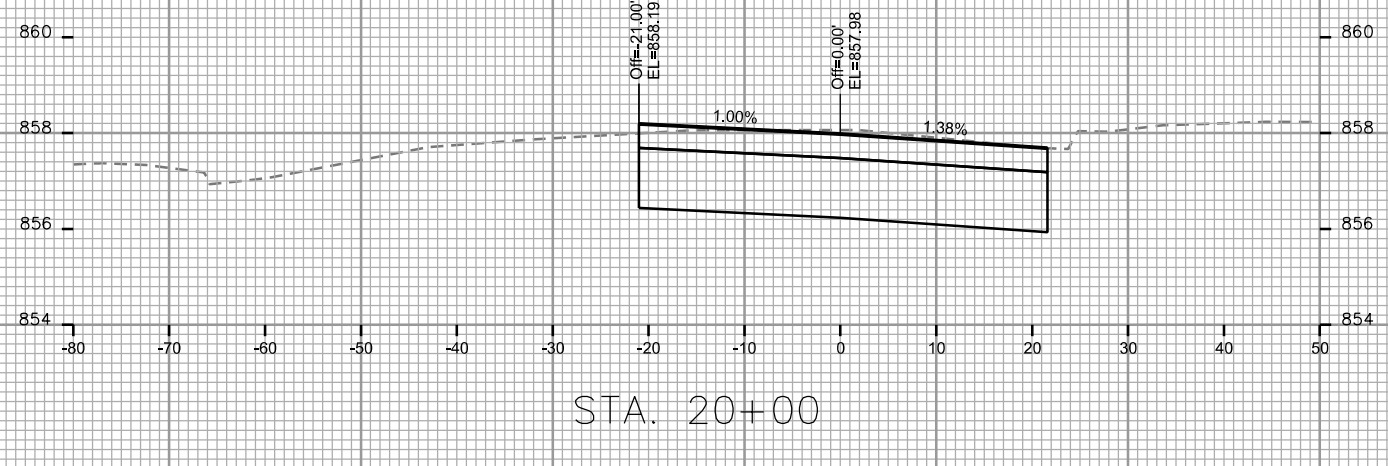
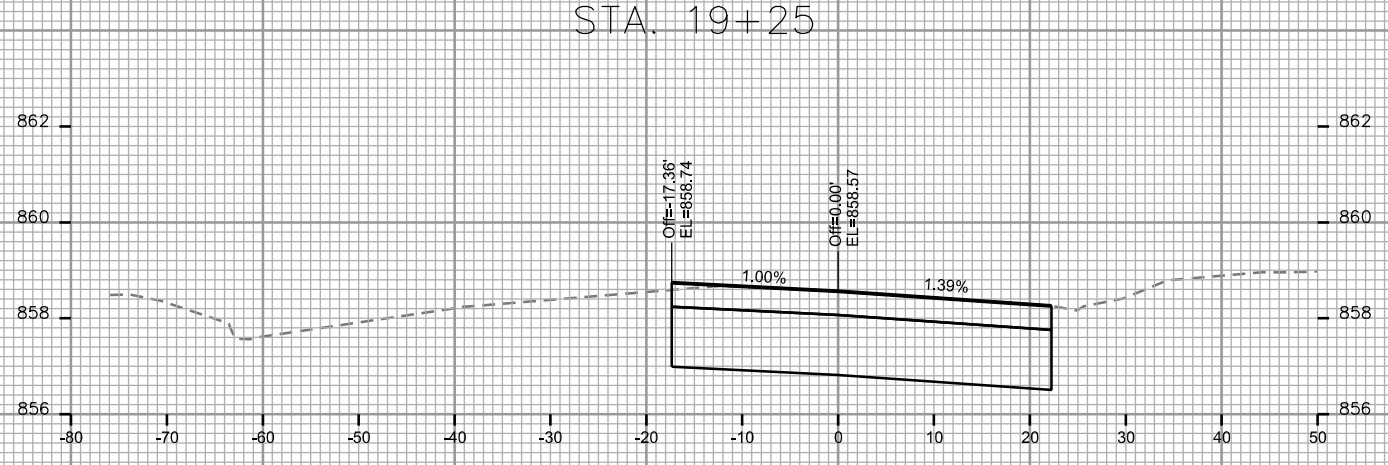
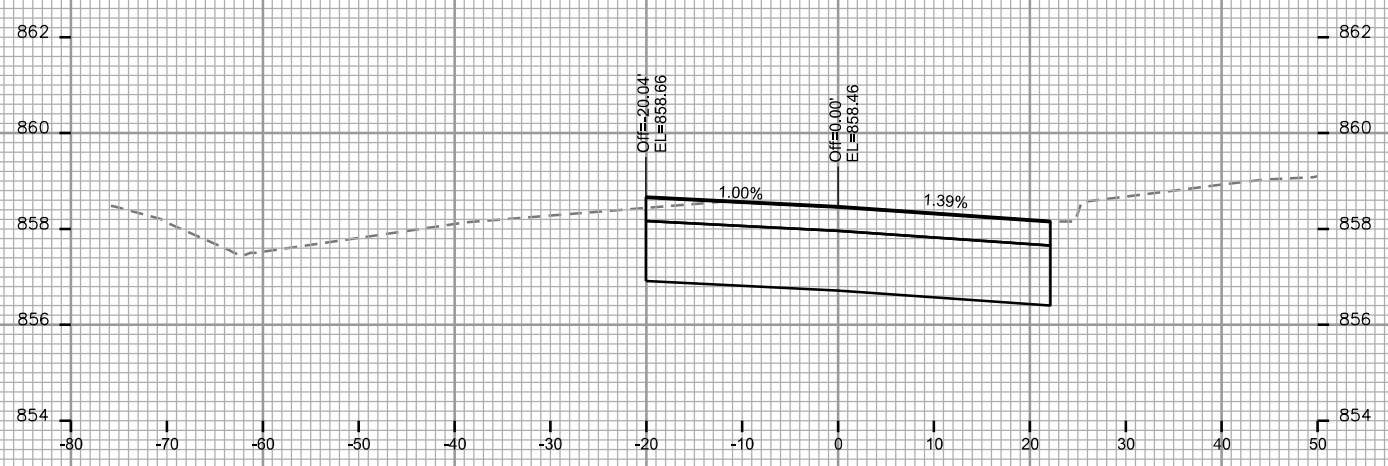
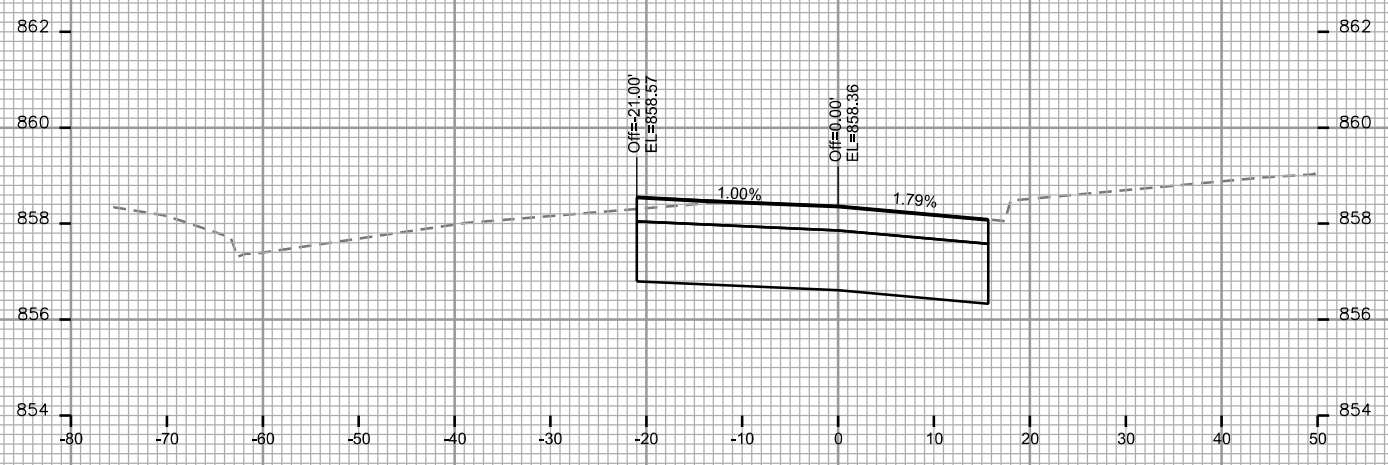
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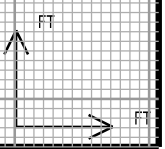
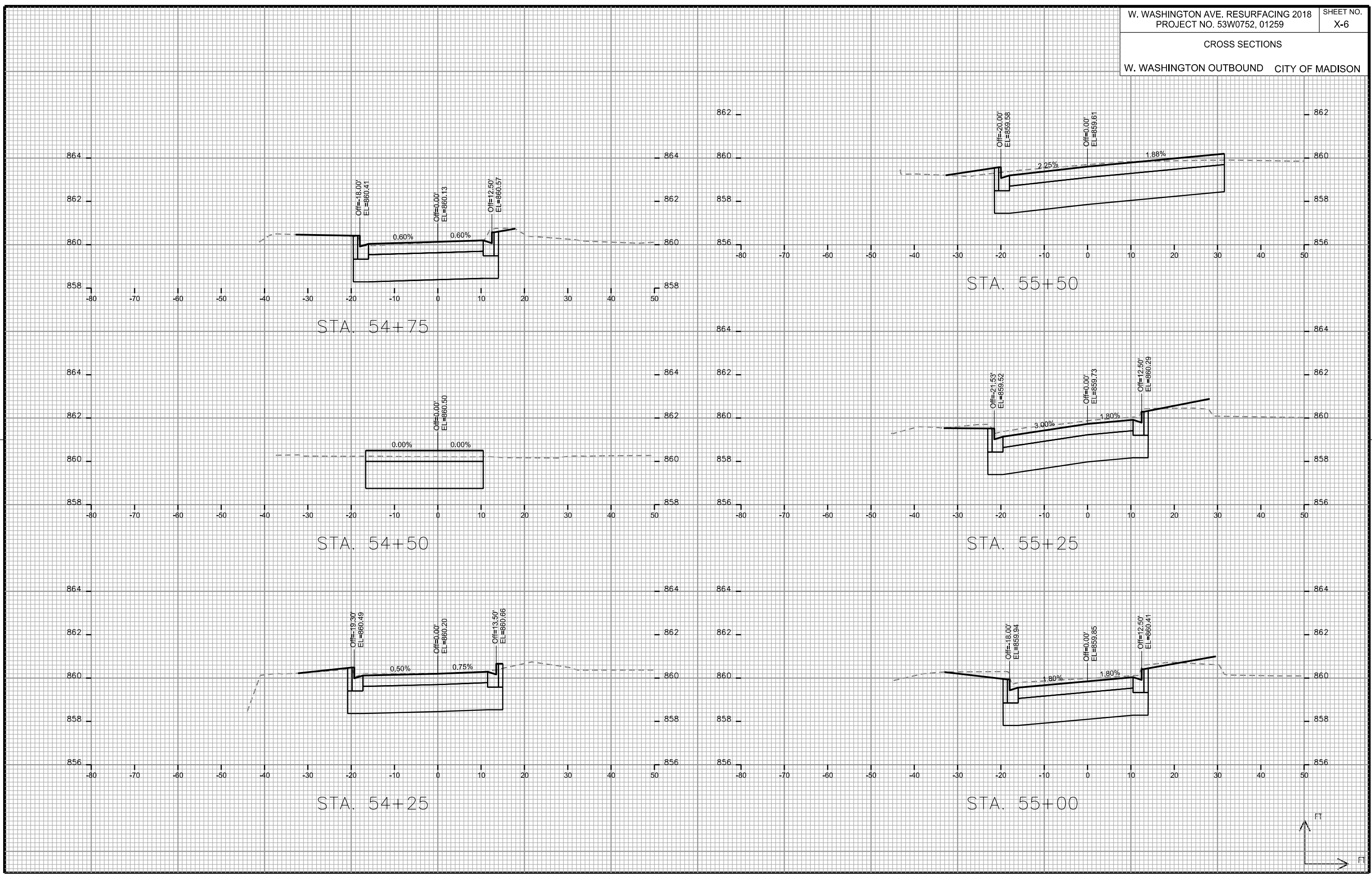
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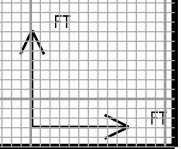
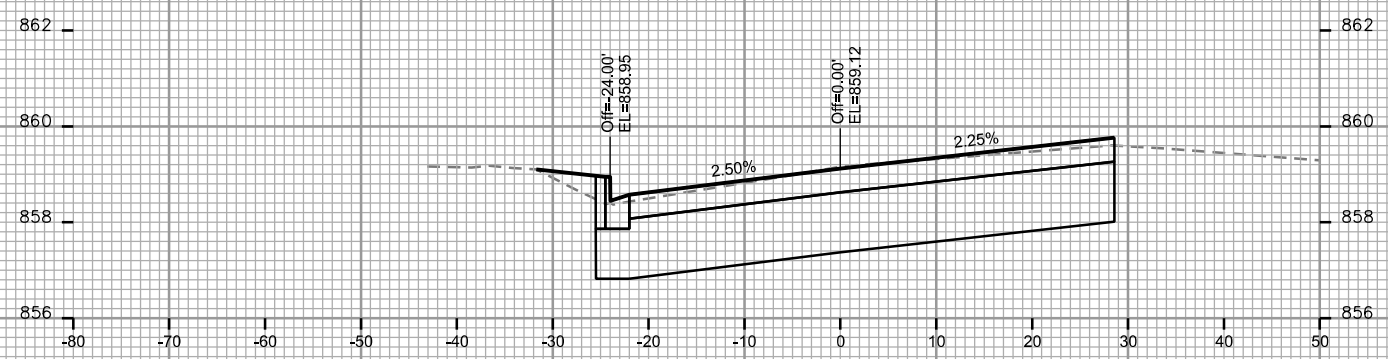
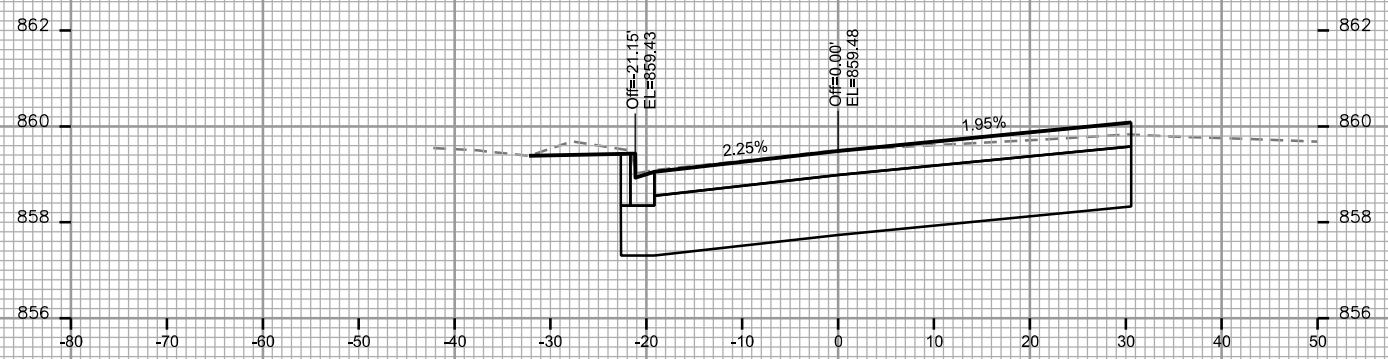
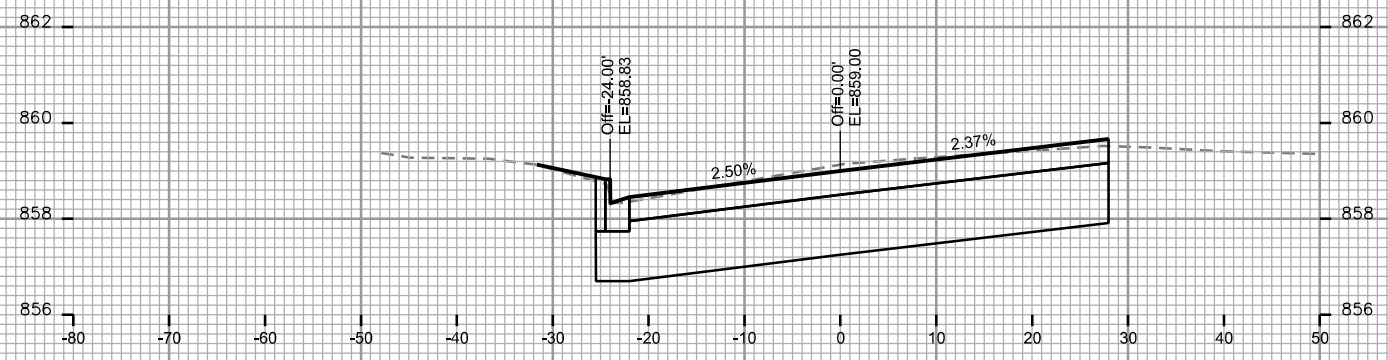
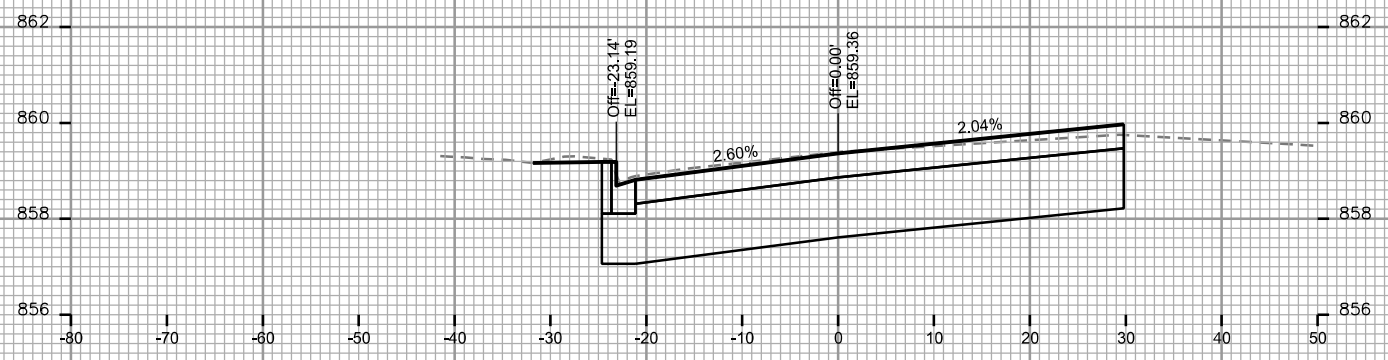
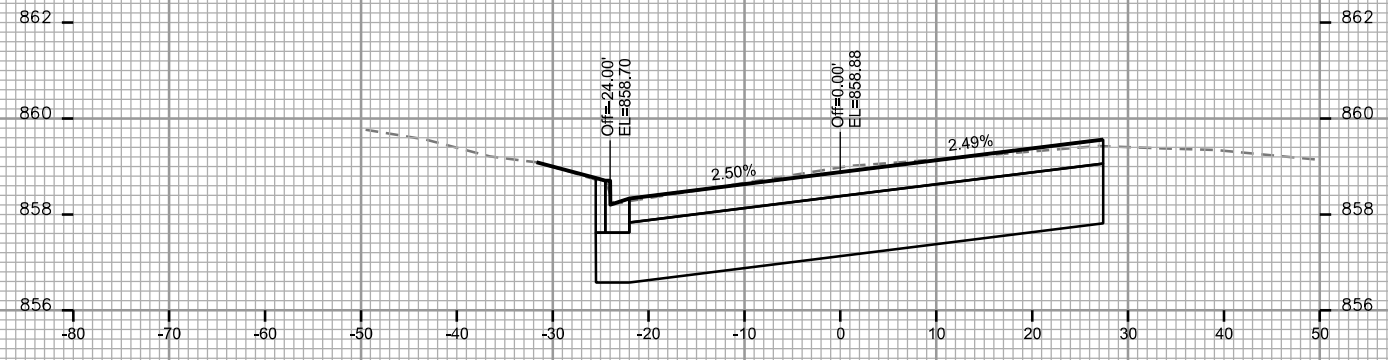
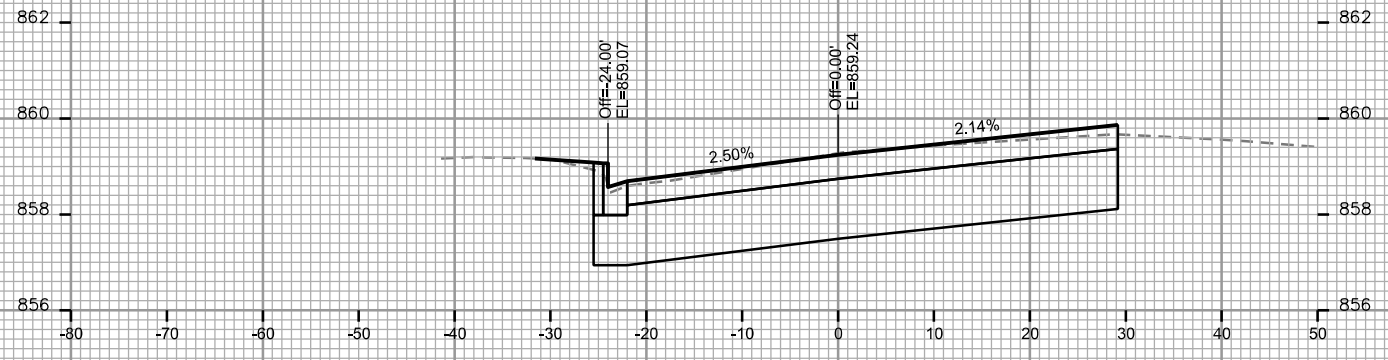
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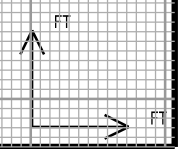
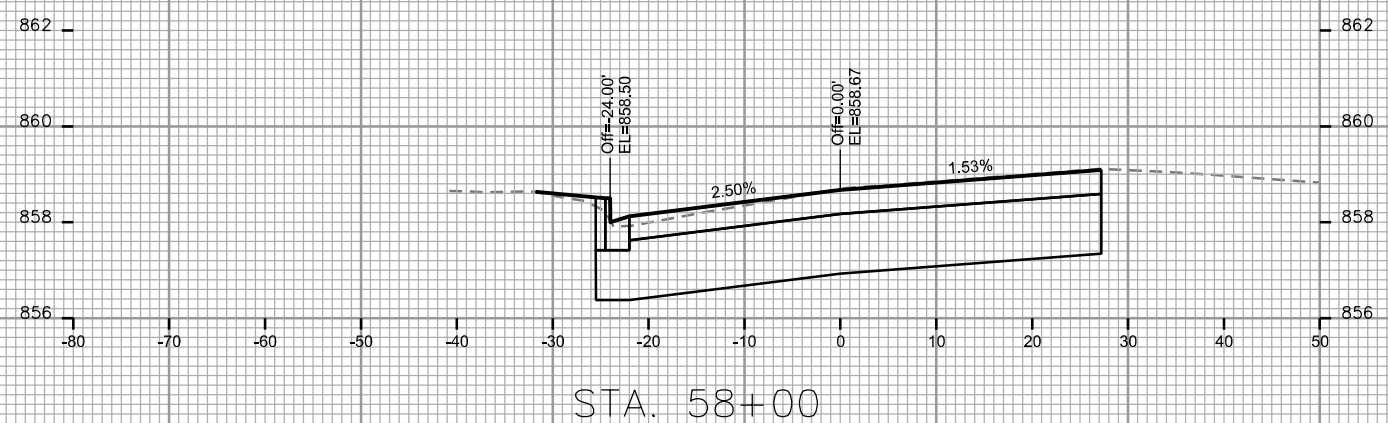
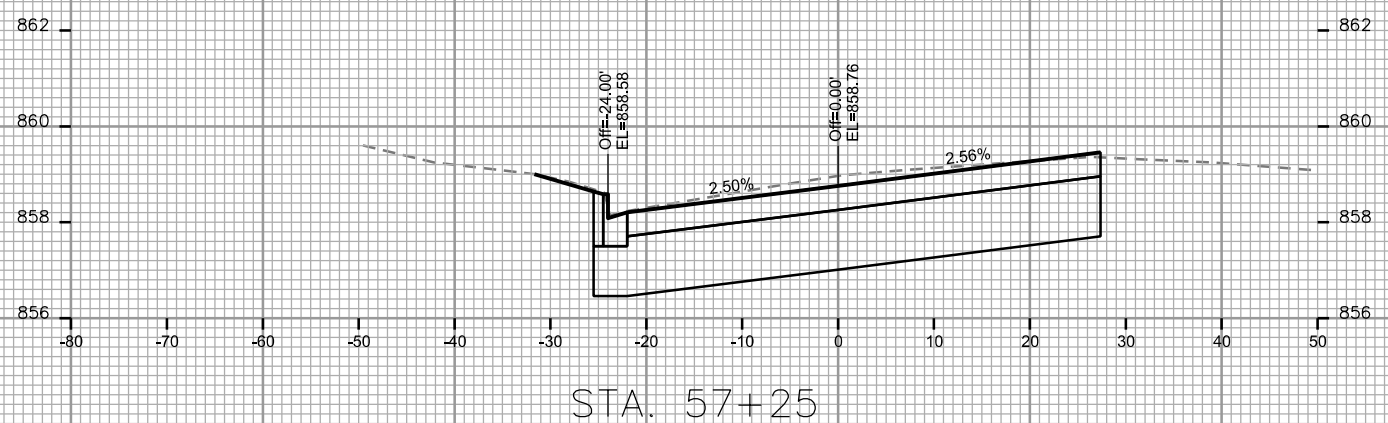
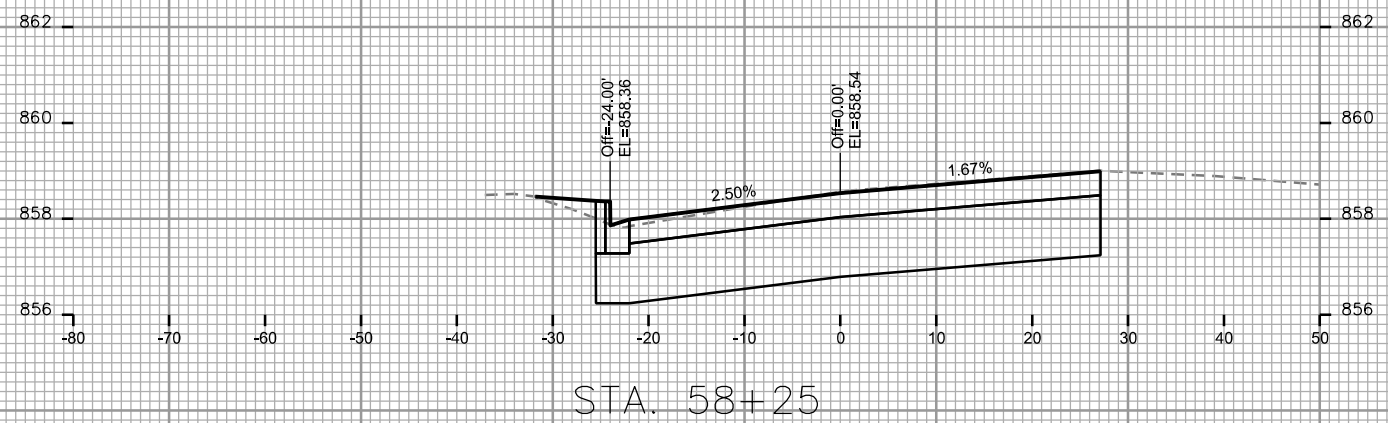
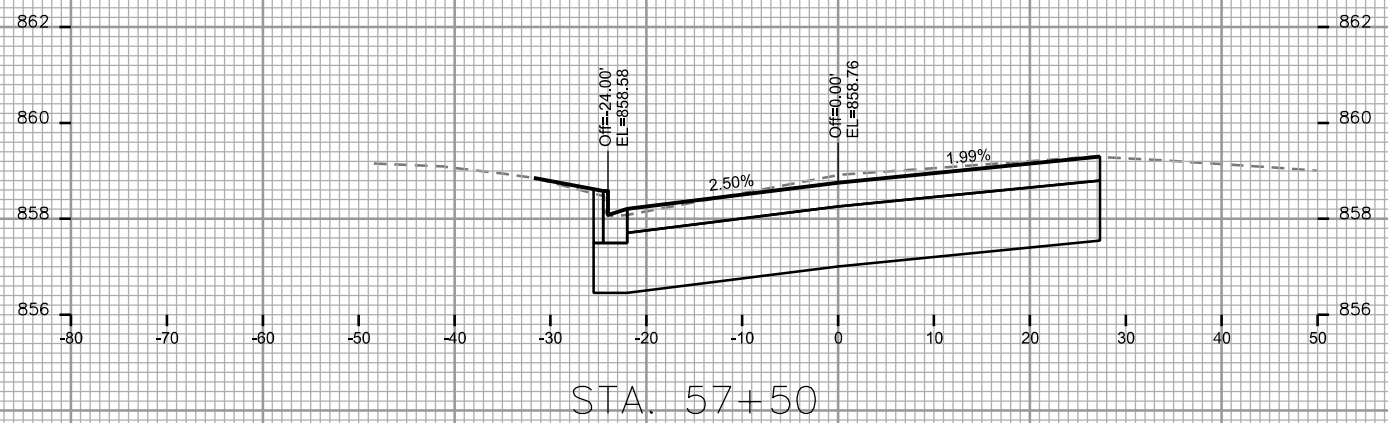
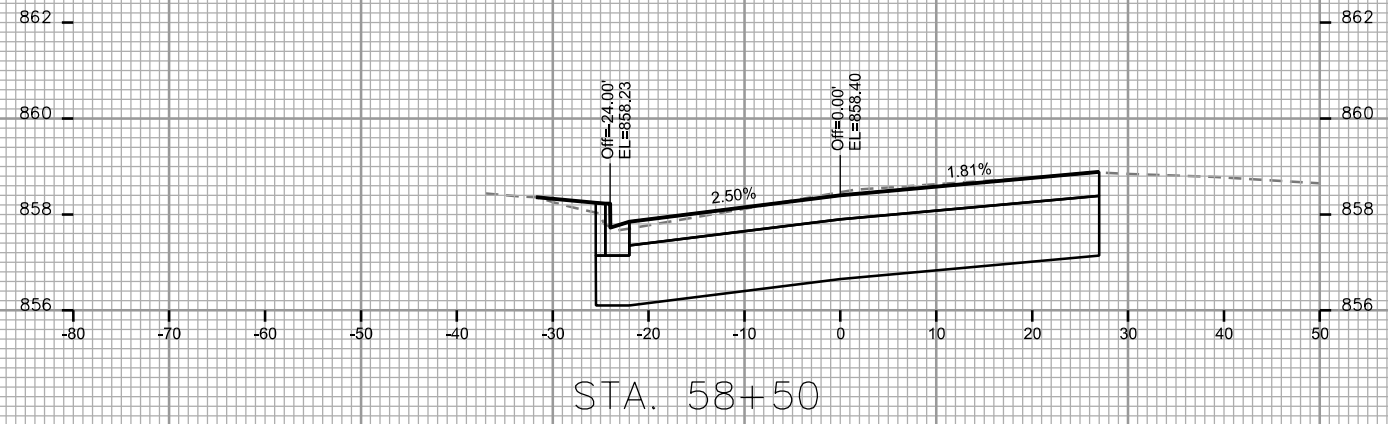
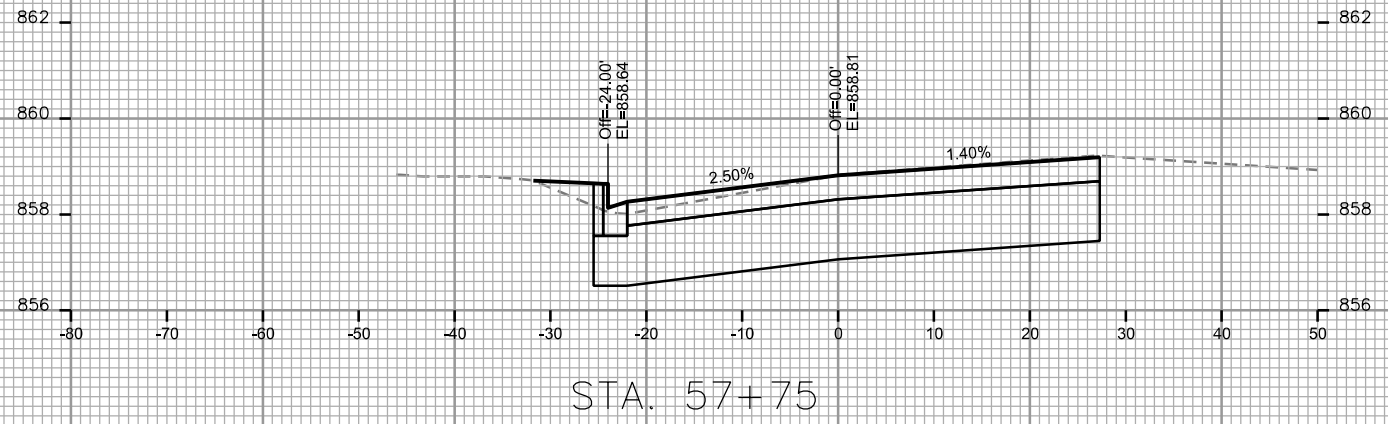
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