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DESIGN DESIGNATION

BEGIN MILE POST	END MILE POST	CURRENT ADT (2027)	DESIGN YEAR ADT (2047)	DESIGN HOURLY	DIRECTIONAL DISTRIBUTION	TRUCKS (24 HOUR B&C)
5.769	7.099	85,500	88,800	9,800	85%	7%
7.099	8.385	112,000	141,000	13,400	70%	3%
8.385	9.420	102,000	107,500	9,700	70%	6%
9.671	10.424	119,000	132,000	13,200	70%	6%
9.420	9.671	109,000	135,000	13,500	70%	5%
10.424	11.146	127,000	138,000	16,600	70%	6%
11.146	12.271	114000	125000	15,000	70%	6%
12.271	13.285	139000	156300	18,800	70%	6%
13.285	13.621	125000	143000	17,200	70%	6%
13.621	14.510	139000	155700	20,200	90%	6%
14.510	14.914	30500	41000	5,300	100%	8%

STANDARD CONSTRUCTION DRAWINGS

BP-2.1	1/21/22	DM-2.1	1/18/13	MGS-5.3	7/15/16	AS-1-15	1/20/23	HL-10.11	7/21/23			MT-95.71	7/21/23	MT-101.80	1/17/20	TC-41.20	10/18/13	TC-72.20	1/17/25
BP-2.2	1/15/21	DM-4.1	7/17/20	MGS-6.1	1/19/18	AS-2-15	7/21/23	HL-10.12	7/21/23			MT-95.72	7/19/24	MT-101.90	7/17/20	TC-41.30	4/21/23	TC-73.20	1/17/25
BP-2.4	7/19/13					BR-1-13	1/17/14*	HL-10.13	1/20/23			MT-95.73	7/19/24	MT-102.10	7/21/23	TC-41.40	10/18/13	TC-74.10	7/21/23
BP-3.1	1/19/24	I-2	7/19/24	MH-1	7/15/22	EXI-4-87	1/19/24	HL-20.11	7/21/23	ITS-14.10	1/17/25	MT-95.82	7/19/13	MT-102.20	4/19/19	TC-41.41	7/19/19	TC-81.22	1/17/25
BP-5.1	1/17/25	I-2A	7/19/24	MH-2	7/19/24	GSD-1-19	7/19/24	HL-20.13	1/17/25	ITS-14.11	1/17/25	MT-97.10	4/19/19	MT-102.30	10/16/15	TC-41.50	10/18/13	TC-82.10	1/17/25
BP-6.1	7/19/13	I-3B, 3B1	1/17/25	MH-3	7/19/24	PCB-91	7/17/20	HL-20.14	4/17/20	ITS-14.50	1/17/25	MT-97.12	1/20/17	MT-103.10	1/21/22	TC-42.10	10/18/13	TC-83.10	1/17/20
BP-7.1	1/17/25	I-3C, 3C1	1/17/25	MH-4	7/16/21	RB-1-55	7/19/24	HL-30.11	7/21/23	ITS-14.60	1/17/25	MT-98.10	1/17/20	MT-104.10	1/19/24	TC-42.20	10/18/13	TC-83.20	7/19/24
BP-9.1	1/18/19	I-3D	7/19/24	MH-5	7/19/24	SBR-1-20	7/19/24	HL-30.21	4/17/20			MT-98.11	1/17/20	MT-105.10	1/17/20	TC-51.11	1/15/16	TC-84.20	1/19/24
						SBR-2-20	7/19/24	HL-30.22	1/17/25			MT-98.22	1/17/20	MT-110.10	7/19/13	TC-51.12	1/15/16	TC-85.10	1/19/24
CB-1	7/19/24	F-1.1	7/19/13	RM-3.1	7/20/18	SICD-1-21	1/19/24	HL-30.31	1/17/25			MT-98.28	1/17/20			TC-52.10	10/18/13	TC-85.20	4/21/23
CB-2-2A, 2B, 2C	7/19/24	F-3.1	7/19/13	RM-4.1	1/17/20	SICD-2-14	1/15/21	HL-30.41	1/17/25	MT-95.30	7/19/19	MT-98.29	1/17/20	TC-12.31	4/15/22	TC-52.20	1/15/21		
CB-2-3, 2-4	7/19/24	F-3.3	7/19/13	RM-4.2	7/19/24	VPF-1-90	7/19/24	HL-40.20	1/17/25	MT-95.31	7/19/19	MT-98.30	7/16/21	TC-15.116	1/19/24	TC-61.10	4/21/23		
CB-3	7/19/24	F-3.4	7/19/13	RM-4.3	1/17/25			HL-50.21	7/15/22	MT-95.32	4/19/19	MT-99.20	4/19/19	TC-21.11	7/16/21	TC-61.30	7/19/24		
CB-3A	7/19/24			RM-4.4	1/17/25			HL-60.11	7/21/17	MT-95.40	7/21/23	MT-99.30	1/17/20	TC-21.21	1/20/23	TC-65.10	1/17/14		
CB-4	7/19/24	MGS-1.1	1/17/25	RM-4.5	1/17/25			HL-60.31	7/19/24	MT-95.41	7/21/23	MT-99.50	7/21/23	TC-21.50	1/17/25	TC-65.11	1/17/25		
CB-5	7/19/24	MGS-2.1	1/17/25	RM-4.5M	6/30/95					MT-95.45	7/21/23	MT-100.00	1/19/24	TC-22.10	1/17/25	TC-71.10	4/21/23		
		MGS-3.1	1/19/18	RM-4.6	7/19/24					MT-95.70	7/21/23	MT-101.60	1/17/25	TC-41.10	7/19/13				
DM-1.1	1/17/25	MGS-3.2	1/18/13	RM-5.2	7/21/23							MT-101.70	7/19/24						
DM-1.2	1/17/25	MGS-4.2	1/17/25									MT-101.75	7/21/23						

CITY OF CLEVELAND STANDARD DRAWINGS & SPECIFICATIONS

CB-1	7/8/08

SUPPLEMENTAL SPECIFICATIONS

800	1/17/25	866	4/21/17
807	1/17/25	873	4/16/21
808	7/19/24	878	1/21/22
809	1/17/25	896	7/21/17
816	10/18/19	904	7/15/22
821	4/20/12	907	10/18/19
829	1/20/17	908	1/17/25
832	7/19/24	909	1/17/25
838	1/15/21	921	7/19/24
840	1/17/25	929	7/21/23
848	7/19/24	996	7/21/23
850	7/21/23		

SPECIAL PROVISIONS

INDEX OF SHEETS / DESIGN DESIGNATION

DESIGN AGENCY: STRUCTUREPOINT

DESIGNER: BER

REVIEWER: VDK 08/09/23

PROJECT ID: 76779

SHEET P.0002 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/14/2026 TIME: 1:23:07 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GT002.dgn

SEQUENCE OF CONSTRUCTION

FOR TEMPORARY DRAINAGE, SEE MOT PLANS AND DRAINAGE DETAILS

PHASE 1A

R7

TRAFFIC:
1. SHIFT IR 90 EASTBOUND LANES TO OUTSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND ALGER RD
2. ONE EASTBOUND LANE IS CLOSED FROM BETWEEN WOOSTER RD AND VALLEY VIEW DR TO ALGER RD
3. SHIFT IR 90 WESTBOUND LANES TO OUTSIDE OF IR 90 WESTBOUND SIDE BETWEEN THE WB ENTRANCE RAMP FROM ALGER RD/WARREN RD AND EAST OF W 85TH ST UTILIZING EXISTING SHOULDER
4. ONE WESTBOUND LANE IS CLOSED FROM MCKINLEY AVE TO THE ROCKY RIVER BRIDGE SUBJECT TO THE RESTRICTIONS ON SHEETS P.0056 AND P.0056A
5. RAMPS HA AND W13 ARE CLOSED FOR LIMITED DURATIONS

CONSTRUCTION:
1. FOUR CROSSOVERS. FIRST WEST OF LAKEVIEW AVE, SECOND WEST OF WOOSTER RD, THIRD WEST OF ALGER RD, AND FOURTH EAST OF W 85TH ST
2. TEMPORARY PAVEMENT WESTBOUND FROM ALGER RD TO WEST BLVD
3. RAMPS HA AND W13
4. BEGIN CONSTRUCTING DRAINAGE OUTFALLS B, C, D, E & M AS DESCRIBED ON P.0063

R7

PHASE 1B

TRAFFIC:
1. PHASE 1A MOT BULLET POINTS 1, 2 AND 3 SHALL CONTINUE THROUGH PHASE 1B UNTIL MARCH 15, 2026.
2. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER

CONSTRUCTION:
1. CONTINUE CONSTRUCTING DRAINAGE OUTFALLS B, C, D, E & M AS DESCRIBED ON P.0063

PHASE 2 STEP A

TRAFFIC:
1. ALL RAMPS ARE OPEN
2. ONE EASTBOUND LANE IS CLOSED FROM HILLIARD BLVD TO THE WARREN RD ENTRANCE RAMP.
3. SHIFT IR 90 WESTBOUND LANES TO OUTSIDE OF IR 90 WESTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST UTILIZING EXISTING SHOULDER
4. CROSSOVER INSIDE IR 90 EASTBOUND LANE TO INSIDE OF IR 90 WESTBOUND SIDE WEST OF LAKEVIEW AVE
5. CROSSOVER INSIDE IR 90 EASTBOUND LANE TO INSIDE OF IR 90 WESTBOUND SIDE WEST OF ALGER RD
6. CROSSOVER TWO INSIDE IR 90 EASTBOUND LANES BACK TO IR 90 EASTBOUND SIDE EAST OF W 85TH ST
7. SHIFT TWO OUTSIDE IR 90 EASTBOUND LANES TO OUTSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST

CONSTRUCTION:
1. INSIDE PORTION OF IR 90 EASTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF WEST BLVD UP TO INTERMEDIATE COURSE

PHASE 2 STEP B (WILL BE COMPLETED DURING NIGHTTIMES AND WEEKENDS)

TRAFFIC:
1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. CLOSE CROSSOVER LANE THAT LOCATED WEST OF ALGER RD

CONSTRUCTION:
1. REMAINING INSIDE PORTION OF IR 90 EASTBOUND SIDE AT THE SECOND CROSSOVER LOCATION UP TO INTERMEDIATE COURSE

STEPS SEQUENCE DURING PHASE 2:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A

PHASE 3 STEP A

TRAFFIC:
1. ALL RAMPS ARE OPEN EXCEPT SHORT-TERM CLOSURE OF RAMP HA
2. TRAFFIC PATTERN FOR IR 90 WESTBOUND SIDE REMAINS UNCHANGED
3. SHIFT TWO OUTSIDE IR 90 EASTBOUND LANES TO INSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST

PHASE 3 STEP A (CONTINUED)

CONSTRUCTION:
1. OUTSIDE PORTION OF IR 90 EASTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF WEST BLVD UP TO INTERMEDIATE COURSE
2. DRAINAGE IN FRONT OF WOOSTER ROAD REAR ABUTMENT
3. INSTALL TEMPORARY PAVEMENT MARKINGS IN PERMANENT LOCATION

PHASE 3 STEP B

TRAFFIC:
1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. RAMPS MD, W2A, 117-8 AND 117-7 ARE CLOSED

CONSTRUCTION:
1. RAMPS MD, W2A, 117-8 AND 117-7

R6

PHASE 3 STEP C

TRAFFIC:
1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAIN UNCHANGED
2. RAMPS ME, W2, 140-4, 117-9 AND W14 ARE CLOSED

CONSTRUCTION:
1. RAMPS ME, W2, 140-4, 117-9 AND W14

STEPS SEQUENCE DURING PHASE 3:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A
- STEP B MUST BE COMPLETED BEFORE STEP C BEGINS
- STEP C MUST BE COMPLETED AS THE LAST PART OF STEP A

RAMP CONSTRUCTION SEQUENCE DURING PHASE 3:

- RAMPS ME AND W2 MUST BE DONE AS THE LAST PART OF PHASE 3

WINTER PHASE 2

1. THE EASTBOUND LANE THAT WAS CLOSED IN PHASE 2 STEP A IS OPEN
2. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONTRUCTION LOCATION
3. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER
4. PORTABLE BARRIER SHALL BE LEFT IN PLACE ON WESTBOUND MEDIAN SHOULDER PROTECTING GAP BETWEEN NEWLY CONSTRUCTED MEDIAN BARRIER AND EXISTING WESTBOUND PAVEMENT.

R7

PHASE 4 STEP A

TRAFFIC:
1. ALL RAMPS ARE OPEN
2. ONE EASTBOUND LANE IS CLOSED FROM HILLIARD BLVD TO THE WARREN RD ENTRANCE RAMP.
3. PATTERN REMAINS UNCHANGED FOR THE TWO OUTSIDE IR 90 WESTBOUND LANES
4. CROSSOVER INSIDE IR 90 WESTBOUND LANE TO INSIDE OF IR 90 EASTBOUND SIDE WEST OF LAKEVIEW AVE
5. SHIFT IR 90 EASTBOUND LANES TO OUTSIDE OF IR 90 EASTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
6. CROSSOVER INSIDE IR 90 WESTBOUND LANE TO INSIDE OF IR 90 EASTBOUND SIDE WEST OF ALGER RD
7. CROSSOVER TWO INSIDE IR 90 WESTBOUND LANES BACK TO IR 90 WESTBOUND SIDE EAST OF W 85TH ST

CONSTRUCTION:
1. INSIDE PORTION OF IR 90 WESTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF W 85TH ST UP TO INTERMEDIATE COURSE

PHASE 4 STEP B (WILL BE COMPLETED DURING NIGHT TIMES AND WEEKENDS)

TRAFFIC:
1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAIN UNCHANGED
2. CLOSE CROSSOVER LANE LOCATED WEST OF WOOSTER RD

CONSTRUCTION:
1. REMAINING INSIDE PORTION OF IR 90 WESTBOUND SIDE AT CROSSOVER LOCATION WEST OF WOOSTER RD UP TO INTERMEDIATE COURSE

STEPS SEQUENCE DURING PHASE 4:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A

PHASE 5 STEP A

TRAFFIC:
1. ALL RAMPS ARE OPEN
2. TRAFFIC PATTERN FOR IR 90 EASTBOUND SIDE REMAINS UNCHANGED
3. SHIFT TWO OUTSIDE IR 90 WESTBOUND LANES TO INSIDE OF IR 90 WESTBOUND SIDE BETWEEN WEST OF LAKEVIEW AVE AND EAST OF W 85TH ST
4. SHIFT RAMP HB TRAFFIC TO OUTSIDE OF ITS PAVEMENT

CONSTRUCTION:
1. OUTSIDE PORTION OF IR 90 WESTBOUND SIDE BETWEEN EAST OF LAKEVIEW AVE AND WEST OF W 85TH ST UP TO INTERMEDIATE COURSE
2. INSIDE PORTION OF RAMP HB AND RAMP 117-12

PHASE 5 STEP B

TRAFFIC:
1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. RAMPS MC, W1A, 117-5, AND 117-11 ARE CLOSED
3. SHIFT RAMP HB TRAFFIC TO INSIDE OF ITS PAVEMENT

CONSTRUCTION:
1. RAMPS MC, W1A, 117-5, AND 117-11
2. OUTSIDE PORTION OF RAMP HB AND RAMP 117-12

PHASE 5 STEP C

TRAFFIC:
1. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND SIDES REMAINS UNCHANGED
2. RAMPS MF, W1, 140-3 AND W13 ARE CLOSED

CONSTRUCTION:
1. RAMPS MF, W1, 140-3, AND W13 CONNECTION

STEP SEQUENCE DURING PHASE 5:

- STEP B CAN BE COMPLETED ANYTIME DURING STEP A
- STEP B MUST BE COMPLETED BEFORE STEP C BEGINS
- STEP C MUST BE COMPLETED AS THE LAST PART OF STEP A

RAMP CONSTRUCTION SEQUENCE DURING PHASE 5:

- RAMPS MF AND W1 MUST BE DONE AS THE LAST PART OF PHASE 5

WINTER PHASE 3

1. THE EASTBOUND LANE THAT WAS CLOSED IN PHASE 4 STEP A IS OPEN
2. ALL LANES ARE OPEN AND RESTORED TO THEIR PRE-CONTRUCTION LOCATION
3. CROSSOVERS SHALL BE PROTECTED USING PORTABLE BARRIER

PHASE 6

TRAFFIC:
1. ALL RAMPS ARE OPEN
2. TRAFFIC PATTERN FOR IR 90 EASTBOUND AND WESTBOUND IS IN ITS PERMANENT LOCATION
3. SHOULDER CLOSURE PER SCD MT-95.45

CONSTRUCTION:
1. MEDIAN BARRIER AT FIRST CROSSOVER WEST OF LAKEVIEW AVE
2. MEDIAN BARRIER AT SECOND CROSSOVER WEST OF WOOSTER RD
3. MEDIAN BARRIER AND TEMPORARY PAVEMENT REMOVAL AT THIRD CROSSOVER WEST OF ALGER RD
4. INSTALL SURFACE COURSE BETWEEN WEST END OF THE PROJECT AND EAST END OF PROJECT
5. INSTALL TEMPORARY AND SUBSEQUENTLY PERMANENT PAVEMENT MARKINGS IN PERMANENT LOCATION

MOT DRAINAGE TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES

THE CONTRACTOR SHALL INSTALL TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES BEHIND THE CURB TO SLOW THE SURFACE RUNOFF FROM THE SLOPE, OVER THE CURB, INTO THE ROADWAY DURING MOT PHASES 1 AND 2. INSTALLATION OF THESE MATERIALS SHOULD BE CONSISTENT WITH THE ODOT TEMPORARY EROSION AND SEDIMENT CONTROL MANUAL AND ALL APPLICABLE SECTIONS OF THE ODOT C&MS. THE INSTALLATION OF THESE MATERIALS SHALL BE INCIDENTAL TO THE LUMP SUM PRICE FOR 614, MAINTAINING TRAFFIC.

THE FOLLOWING IS A LIST OF LOCATIONS WHERE THE CONTRACTOR IS TO PROVIDE TEMPORARY FILTER SOCK, FILTER FENCE, OR TEMPORARY STORAGE DITCHES BEHIND THE CURB FOR MOT PHASES 1 AND 2:

FILTER SOCK, FILTER FENCE, OR TEMP STORAGE DITCH LOCATIONS (MOT PHASES 1 & 2)

BEGIN STATION	BEGIN ALIGNMENT	END STATION	END ALIGNMENT	SIDE
617+00	CUY-90 WB	36+00	RAMP W1	LT
619+50	CUY-90 EB	620+70	CUY-90 EB	RT
621+25	CUY-90 EB	629+50	RAMP W2	RT
629+50	CUY-90 EB	60+50	CUY-90 EB	RT
639+25	CUY-90 WB	665+00	CUY-90 WB	LT
43+60	RAMP 117-9	749+50	CUY-90 EB	RT
743+65	CUY-90 WB	750+25	CUY-90 WB	LT
759+00	CUY-90 WB	763+75	CUY-90 WB	LT

MOT DRAINAGE CURB REMOVAL

THE CONTRACTOR SHALL REMOVE THE EXISTING OUTSIDE CURB WHERE NECESSARY TO FACILITATE DRAINAGE DURING MOT. ALL WORK SHALL BE IN ACCORDANCE WITH C&MS 202 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS. PAYMENT FOR THE ABOVE WORK SHALL BE INCLUDED AT THE UNIT PRICE BID FOR ITEM 202, CURB REMOVAL.

THE FOLLOWING IS A LIST OF LOCATIONS WHERE THE CONTRACTOR IS TO REMOVE THE EXISTING OUTSIDE CURB FOR MOT PHASES 1 AND 2:

REMOVE CURB LOCATIONS (MOT PHASES 1 & 2)

BEGIN STATION	BEGIN ALIGNMENT	END STATION	END ALIGNMENT	SIDE	NOTES
529+00	CUY-90 EB	539+85	CUY-90 EB	RT	
529+00	CUY-90 WB	535+85	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
537+15	CUY-90 WB	542+67	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
547+00	CUY-90 WB	574+25	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
583+10	CUY-90 EB	587+92	CUY-90 EB	RT	GUARDRAIL TO REMAIN IN PLACE TO HELP PROVIDE PROTECTION FOR BLUNT END
590+70	CUY-90 EB	601+75	CUY-90 EB	RT	GUARDRAIL TO REMAIN IN PLACE TO HELP PROVIDE PROTECTION FOR BLUNT END
602+15	CUY-90 WB	612+85	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
602+50	CUY-90 EB	609+63	CUY-90 EB	RT	
5+95	RAMP "ME"	614+60	CUY-90 EB	RT	GUARDRAIL TO REMAIN IN PLACE TO HELP PROVIDE PROTECTION FOR BLUNT END
615+00	CUY-90 WB	617+00	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
60+50	RAMP "W2A"	66+50	RAMP "W2A"	RT	ADD TEMP SWALE FROM 60+50 TO 61+50 TO DRAIN TO EX DITCH INLET CONTRACTOR TO PROVIDE TO PROTECTION AT CURB BLUNT END
698+75	CUY-90 WB	714+25	CUY-90 WB	LT	CONTRACTOR TO PROVIDE PROTECTION AT CURB BLUNT END
724+00	CUY-90 EB	730+50	CUY-90 EB	RT	
735+50	CUY-90 EB	739+88	CUY-90 EB	RT	TEMP GRADING TO DRAIN INTO DITCH TO WEST/EX DITCH INLET AT LOW POINT
736+00	CUY-90 WB	743+75	CUY-90 WB	LT	
765+50	CUY-90 WB	770+50	CUY-90 WB	LT	

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0062 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 07 PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 3:43:45 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MN001.dgn

DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL AH							
D4	19	12	TYPE B	1.01	D4	694.91	4.1	D3A	694.72	4.2	1	1	LATERAL
						OUTFALL B							
D79A	311	24	TYPE C	0.42	D79A	667.92	5.4	D79	666.58	4.5	1	3	TRUNKLINE (311' PROPOSED PIPE)
D79	281	36	TYPE C	0.50	D79	663.42	7.7	D75	662.02	17.6	1	3	TRUNKLINE
D75	170	36	TYPE C	0.50	D75	662.02	17.6	D71	661.17	20.1	1	3	TRUNKLINE
D71	228	36	TYPE C	0.50	D71	661.17	20.1	D62	660.03	23.6	1	3	TRUNKLINE
D62	58	36	TYPE B	0.62	D62	660.03	23.6	D57	659.67	26.7	1	1	TRUNKLINE
D57	254	36	TYPE C	0.59	D57	659.67	26.7	D50	658.16	21.5	1	1	TRUNKLINE
D50	272	42	TYPE C	0.50	D50	657.66	22.0	D21	656.30	25.7	1	1	TRUNKLINE
D21	221	42	TYPE C	0.50	D21	656.30	25.7	D19	655.20	27.8	1	1	TRUNKLINE
D19	72	42	TYPE B	0.50	D19	655.20	27.8	D18	654.84	25.1	3	3	TRUNKLINE
D18	146	42	TYPE B	0.50	D18	654.84	25.1	D17	654.11	26.8	3	3	TRUNKLINE
D17	29	42	TYPE B	0.48	D17	654.11	26.8	D14	653.97	27.5	3	3	TRUNKLINE
D14	56	60	TYPE B	0.50	D14	652.47	29.0	D11	652.19	27.9	1	1	TRUNKLINE
D11	416	60	TYPE B	0.50	D11	652.19	27.9	D6	650.11	37.4	1	1	TRUNKLINE
D88	73	18	TYPE B	0.50	D88	665.63	5.5	D83	665.27	7.1	2	5	LATERAL
D86	82	15	TYPE B	0.50	D86	667.31	5.2	D83	666.90	5.5	2	2	LATERAL
D85	82	15	TYPE B	0.50	D85	667.31	5.2	D83	666.90	5.5	2	2	LATERAL
D83	67	24	TYPE B	0.51	D83	664.76	7.6	D79	664.42	6.7	2	2	LATERAL
D78	16	15	TYPE C	1.25	D78	669.40	3.3	D75	669.20	10.4	1	3	LATERAL
D77	86	15	TYPE C	10.06	D77	685.00	11.4	D75	676.40	3.3	1	3	LATERAL
D74	11	15	TYPE C	12.66	D74	691.06	3.3	D73	689.73	3.3	1	1	LATERAL
D73	82	15	TYPE B	0.67	D73	686.73	6.3	D72	686.18	3.3	1	1	LATERAL
D72	40	15	TYPE C	7.54	D72	681.09	8.3	D71	678.06	3.3	3	3	LATERAL
D67	27	15	TYPE C	0.48	D67	671.44	3.3	D71	671.31	10.0	1	3	LATERAL
D69	9	15	TYPE B	0.57	D69	672.57	3.3	D65	672.52	3.5	5	5	LATERAL
D65	64	15	TYPE B	0.50	D65	669.81	6.3	D64	669.49	5.6	2	5	LATERAL
D66	83	15	TYPE B	0.49	D66	670.10	5.2	D64	669.69	5.4	2	2	LATERAL
D64	79	15	TYPE B	1.00	D64	669.49	5.6	D62	668.70	14.9	1	2	LATERAL
D55	10	15	TYPE C	1.43	D55	671.41	5.3	D51	671.27	5.0	1	3	LATERAL
D54	46	15	TYPE C	0.96	D54	671.71	5.3	D51	671.27	5.0	1	3	LATERAL
D53	40	15	TYPE C	0.86	D53	671.61	5.2	D51	671.27	5.0	1	3	LATERAL
D51	10	15	TYPE C	1.05	D51	671.27	5.0	D50	671.17	8.5	1	3	LATERAL
D49	98	15	TYPE B	3.32	D49	686.93	5.3	D48	683.67	5.3	5	5	LATERAL
D48	66	15	TYPE B	2.98	D48	683.67	5.3	D47	681.70	4.3	5	5	LATERAL
D47	298	15	TYPE B	2.63	D47	681.70	4.3	D28	673.87	5.3	5	5	LATERAL
D38	6	12	TYPE B	0.50	D38	672.76	5.7	D31	672.73	5.1	5	5	LATERAL
D33	7	12	TYPE B	0.57	D33	672.93	5.8	D32	672.89	5.3	5	5	LATERAL
D32	50	15	TYPE B	0.50	D32	672.64	5.6	D31	672.39	5.5	5	5	LATERAL
D30	7	12	TYPE B	0.72	D30	676.18	2.8	D29	676.13	2.9	5	5	LATERAL
D29	51	15	TYPE B	0.75	D29	672.77	6.2	D31	672.39	5.5	5	5	LATERAL
D31	53	18	TYPE B	0.49	D31	672.14	5.7	D28	671.88	7.2	5	5	LATERAL
D28	75	24	TYPE B	0.49	D28	671.38	7.7	D26	671.01	7.0	2	5	LATERAL
D27	75	15	TYPE B	0.49	D27	673.01	5.2	D26	672.64	5.4	2	2	LATERAL
D26	93	24	TYPE B	0.50	D26	671.00	7.0	D25	670.54	7.9	2	3	LATERAL
D25	8	24	TYPE C	0.51	D25	670.53	7.9	D22	670.49	7.5	3	3	LATERAL
D24	10	15	TYPE C	0.81	D24	673.83	5.2	D23	673.75	5.0	1	3	LATERAL
D23	108	15	TYPE C	0.50	D23	673.75	5.0	D22	673.21	4.8	1	3	LATERAL
D22	13	24	TYPE C	0.47	D22	670.49	7.5	D21	670.43	11.5	1	3	LATERAL
D20	45	15	TYPE B	0.48	D20	674.70	5.2	D19	674.48	8.5	3	3	LATERAL
D16	28	15	TYPE B	0.61	D16	676.78	3.3	D14	676.61	4.9	1	1	LATERAL
D13	94	15	TYPE B	0.50	D13	675.07	6.3	D12	674.60	7.3	2	5	LATERAL
D12	79	15	TYPE B	1.74	D12	674.60	7.3	D11	673.22	6.9	1	2	LATERAL
D10	84	18	TYPE B	0.50	D10	683.33	6.5	D9	682.91	8.2	2	5	LATERAL

R5 R7 R7 R7

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
AMEREN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065A TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ101 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:23 PM USER: kmorton
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DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL B (CONTINUED)							
D9	74	24	TYPE B	0.50	D9	682.41	8.7	D7	682.04	9.1	1	2	LATERAL
D8	108	15	TYPE C	1.00	D8	688.41	3.3	D7	687.33	3.8	1	2	LATERAL
D7	194	24	TYPE B	0.63	D7	682.04	9.1	D6	680.81	6.7	1	2	LATERAL
						OUTFALL C							
D118	199	24	TYPE B	1.00	D118	686.12	7.2	D116	684.13	7.8	1	2	TRUNKLINE
D116	43	24	TYPE B	1.00	D116	684.13	7.8	D108	683.70	8.1	1	2	TRUNKLINE
D108	63	30	TYPE B	1.00	D108	683.20	8.6	D107	682.57	9.1	2	3	TRUNKLINE
D107	10	30	TYPE C	0.97	D107	682.57	9.1	D103	682.47	9.4	3	3	TRUNKLINE
D103	99	30	TYPE C	1.00	D103	674.62	17.3	D102	673.63	9.5	3	3	TRUNKLINE
D124	8	15	TYPE C	1.02	D124	687.80	4.8	D123	687.72	5.3	5	5	LATERAL
D123	70	15	TYPE B	1.00	D123	687.72	5.3	D122	687.02	6.0	2	5	LATERAL
D122	15	24	TYPE B	1.02	D122	686.27	6.7	D118	686.12	7.2	2	2	LATERAL
D121	12	15	TYPE C	1.04	D121	687.85	4.9	D120	687.73	5.3	3	3	LATERAL
D120	59	15	TYPE B	1.00	D120	687.73	5.3	D118	687.14	6.2	2	3	LATERAL
D117	15	15	TYPE B	1.02	D117	686.32	5.3	D116	686.17	5.8	2	2	LATERAL
D112	38	15	TYPE B	1.00	D112	686.33	5.3	D110	685.95	5.7	5	5	LATERAL
D111	25	15	TYPE B	1.01	D111	686.63	4.3	D110	686.38	5.3	5	5	LATERAL
D110	68	15	TYPE B	1.01	D110	685.95	5.7	D109	685.26	6.4	2	5	LATERAL
D109	11	24	TYPE B	1.02	D109	684.51	7.1	D108	684.40	7.4	2	2	LATERAL
D105	20	15	TYPE C	1.01	D105	686.17	5.4	D104	685.97	5.3	3	3	LATERAL
D104	19	15	TYPE C	0.99	D104	685.97	5.3	D103	685.78	6.1	3	3	LATERAL
						OUTFALL D							
D130	69	66	TYPE C	0.35	D130	682.70	25.3	D128	682.46	10.7	1	1	TRUNKLINE
D140	105	66	TYPE C	0.35	D140	683.07	25.1	D130	682.70	25.3	1	1	TRUNKLINE
D141	142	66	TYPE B	0.30	D141	683.50	14.4	D140	683.07	25.1	1	1	TRUNKLINE
D145	214	66	TYPE B	0.36	D145	687.13	14.6	D141	686.36	11.6	1	1	TRUNKLINE
D148	259	66	TYPE B	0.36	D148	688.06	16.8	D145	687.13	14.6	1	1	TRUNKLINE
D156	254	66	TYPE B	0.36	D156	688.97	21.8	D148	688.06	16.8	1	1	TRUNKLINE
D158	254	66	TYPE C	0.36	D158	689.89	23.8	D156	688.97	21.8	1	1	TRUNKLINE
D160	295	66	TYPE B	0.36	D160	690.95	20.8	D158	689.89	23.8	1	1	TRUNKLINE
D161	285	66	TYPE B	0.36	D161	691.98	19.3	D160	690.95	21.8	1	1	TRUNKLINE
D168	212	66	TYPE B	0.33	D168	692.68	17.7	D161	691.98	19.3	1	1	TRUNKLINE
D176A	73	66	TYPE B	0.29	D176A	692.89	17.6	D168	692.68	17.7	1	1	TRUNKLINE
D185	255	66	TYPE B	0.30	D185	693.66	19.1	D176A	692.89	17.6	1	1	TRUNKLINE
D186	328	60	TYPE B	0.30	D186	695.15	20.6	D185	694.16	19.7	1	1	TRUNKLINE
D188	218	60	TYPE B	0.30	D188	695.80	17.7	D186	695.15	20.6	1	1	TRUNKLINE
D202B	226	60	TYPE B	0.27	D202B	696.40	15.4	D188	695.80	17.7	1	1	TRUNKLINE
D202A	155	60	TYPE B	0.27	D202A	696.82	13.6	D202B	696.40	15.4	1	1	TRUNKLINE
D196	82	60	TYPE B	0.34	D196	697.10	12.1	D202A	696.82	13.6	1	1	TRUNKLINE
D203A	89	54	TYPE B	0.48	D203A	698.02	12.4	D196	697.60	11.6	1	1	TRUNKLINE
D212	291	54	TYPE B	0.57	D212	699.67	10.6	D203A	698.02	12.4	1	1	TRUNKLINE
D218A	187	48	TYPE B	0.65	D218A	701.38	9.4	D212	700.17	10.1	1	1	TRUNKLINE
D219	156	48	TYPE B	0.66	D219	702.41	9.1	D218A	701.38	9.4	1	1	TRUNKLINE
D244	404	48	TYPE B	0.26	D244	703.45	11.5	D219	702.41	9.1	1	1	TRUNKLINE
D245	398	48	TYPE B	0.27	D245	704.51	11.6	D244	703.45	11.5	1	1	TRUNKLINE
D276	517	48	TYPE B	0.25	D276	705.82	11.9	D245	704.51	11.6	1	1	TRUNKLINE
D280	452	48	TYPE B	0.25	D280	706.95	12.2	D276	705.82	11.9	1	1	TRUNKLINE
D282	352	48	TYPE B	0.25	D282	707.83	9.8	D280	706.95	12.2	1	1	TRUNKLINE
D300	181	48	TYPE C	0.22	D300	708.23	9.9	D282	707.83	9.8	1	1	TRUNKLINE
D310	196	42	TYPE C	0.38	D310	709.47	9.0	D300	708.73	9.4	1	1	TRUNKLINE
D311	196	42	TYPE B	0.38	D311	710.21	8.5	D310	709.47	9.0	1	1	TRUNKLINE
D315	256	30	TYPE C	0.95	D315	713.64	6.6	D311	711.21	7.5	1	1	TRUNKLINE
D316	256	30	TYPE C	1.27	D316	717.69	7.6	D315	714.43	5.9	1	1	TRUNKLINE
D319	133	24	TYPE C	1.98	D319	720.82	8.1	D316	718.19	7.1	1	1	TRUNKLINE

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
AMEREN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065B TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ102 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:24 PM USER: kmorton
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DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL D (CONTINUED)							
D335	278	18	TYPE C	2.02	D335	731.07	3.5	D319	725.46	3.5	1	1	TRUNKLINE
D336	278	18	TYPE C	2.42	D336	737.80	3.5	D335	731.07	3.5	1	1	TRUNKLINE
D136	16	24	TYPE B	3.14	D136	691.60	3.2	D135	691.11	4.0	3	3	LATERAL
D135	73	24	TYPE B	0.25	D135	688.11	7.0	D134	687.93	8.0	2	3	LATERAL
D134	66	24	TYPE B	0.26	D134	687.93	8.0	D133	687.76	9.1	2	5	LATERAL
D133	22	24	TYPE C	0.23	D133	687.76	9.1	D132	687.71	8.8	5	5	LATERAL
D132	15	24	TYPE C	0.76	D132	687.71	8.8	D131	687.60	9.1	5	5	LATERAL
D131	22	24	TYPE C	0.23	D131	687.60	9.1	D130	687.55	20.5	1	5	LATERAL
D142	49	15	TYPE B	0.44	D142	691.18	6.5	D141	690.96	6.9	2	2	LATERAL
D143	58	15	TYPE B	0.50	D143	689.02	7.5	D141A	688.73	11.9	1	3	LATERAL
D144	126	15	TYPE B	0.50	D144	692.90	6.6	D141A	692.27	8.4	1	3	LATERAL
D141A	90	66	TYPE B	0.30	D141A	683.77	16.9	D141	683.50	14.4	1	1	LATERAL
D146	21	15	TYPE B	0.51	D146	695.37	6.2	D145	695.27	6.5	2	2	LATERAL
D150	102	15	TYPE B	3.13	D150	702.53	6.3	D149	699.34	6.2	2	5	LATERAL
D149	26	15	TYPE B	1.21	D149	699.12	6.5	D148	698.81	6.0	2	2	LATERAL
D155	70	15	TYPE C	1.64	D155	698.21	3.3	D154	697.06	5.3	3	3	LATERAL
D154	34	15	TYPE B	0.35	D154	696.06	6.3	D151	695.94	7.1	3	3	LATERAL
D153	9	15	TYPE B	0.43	D153	700.52	3.7	D152	700.48	5.1	3	3	LATERAL
D152	99	15	TYPE B	2.58	D152	700.32	5.3	D151	697.78	5.2	3	3	LATERAL
D151	50	15	TYPE B	1.90	D151	695.94	7.1	D148	694.99	9.8	2	3	LATERAL
D159	122	15	TYPE B	1.50	D159	709.00	6.0	D158	707.17	6.6	1	1	LATERAL
D166	6	15	TYPE C	0.79	D166	707.20	3.3	D165	707.15	3.5	5	5	LATERAL
D165	70	15	TYPE B	0.57	D165	704.43	6.3	D164	704.03	6.6	2	5	LATERAL
D164	17	18	TYPE B	1.00	D164	703.78	6.8	D161	703.61	7.7	2	2	LATERAL
D163	66	15	TYPE B	0.89	D163	705.79	5.2	D162	705.21	5.3	3	3	LATERAL
D162	65	15	TYPE B	0.75	D162	704.21	6.3	D161	703.72	7.5	2	3	LATERAL
D171	10	15	TYPE C	0.73	D171	706.12	3.3	D169	706.05	3.7	3	3	LATERAL
D170	38	15	TYPE B	0.78	D170	704.56	5.2	D169	704.26	5.5	3	3	LATERAL
D169	57	15	TYPE B	1.75	D169	703.50	6.3	D168	702.50	7.8	2	3	LATERAL
D179	10	15	TYPE C	0.63	D179	706.12	3.3	D177	706.06	3.7	5	5	LATERAL
D178	75	15	TYPE B	1.31	D178	704.70	5.3	D177	703.72	6.0	5	5	LATERAL
D177	68	15	TYPE B	0.81	D177	703.50	6.3	D175	702.95	6.8	2	5	LATERAL
D175	17	15	TYPE B	2.00	D175	702.95	6.8	D168	702.61	7.7	2	2	LATERAL
D174	40	15	TYPE F / TYPE C	SEE NOTE	D174	720.97	7.0	D173	707.89	3.3	3	3	LATERAL (SEE STORM SEWER PROFILES FOR SLOPE INFORMATION)
D173	123	15	TYPE B	2.60	D173	707.89	3.3	D172	704.70	5.3	3	3	LATERAL
D172	59	18	TYPE B	0.75	D172	704.45	5.5	D176A	704.01	6.5	2	3	LATERAL
D182	6	15	TYPE B	0.63	D182	707.66	3.3	D181	707.62	3.5	5	5	LATERAL
D181	120	15	TYPE B	0.99	D181	705.90	5.3	D180	704.71	5.2	5	5	LATERAL
D180	68	15	TYPE B	0.35	D180	704.71	5.2	D176	704.48	5.4	2	5	LATERAL
D176	17	18	TYPE B	0.41	D176	704.23	5.6	D176A	704.16	6.4	2	2	LATERAL
D187	65	15	TYPE B	0.86	D187	711.44	6.3	D186	710.88	4.9	1	2	LATERAL
D1182	87	15	TYPE C	2.92	D1182	710.76	5.3	D188	708.23	5.3	2	3	LATERAL
D191	100	15	TYPE B	0.97	D191	707.29	5.2	D190	706.32	5.3	5	5	LATERAL
D1183	6	15	TYPE C	0.50	D1183	703.50	5.0	D194	703.47	5.3	5	5	LATERAL
D194	126	15	TYPE B	0.57	D194	703.47	5.3	D193	702.75	7.3	5	5	LATERAL
D193	43	15	TYPE B	0.38	D193	702.75	7.3	D192	702.59	8.8	5	5	LATERAL
D192	47	15	TYPE B	0.36	D192	702.59	8.8	D190	702.42	9.2	5	5	LATERAL
D190	85	18	TYPE B	0.77	D190	702.17	9.4	D189	701.51	12.2	2	5	LATERAL
D189	15	18	TYPE B	1.57	D189	701.51	12.2	D188	701.27	12.2	2	2	LATERAL
D205	92	15	TYPE B	0.75	D205	702.29	5.2	D202	701.60	8.1	2	5	LATERAL
D202	12	18	TYPE B	0.50	D202	701.35	8.3	D202A	701.29	9.1	2	2	LATERAL
D198	75	15	TYPE B	1.31	D198	707.05	5.2	D202A	706.07	4.3	2	3	LATERAL
D206	9	15	TYPE B	1.15	D206	703.75	3.3	D204	703.65	3.7	5	5	LATERAL
D204	85	24	TYPE B	0.29	D204	700.37	7.0	D201	700.12	9.4	2	5	LATERAL

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
AMEREN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065C TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ103 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:25 PM USER: kmorton
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200006\276779\400-Engineering\MOT\Sheets\76779_MQ100.dgn

DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL D (CONTINUED)							
D201	15	24	TYPE B	0.59	D201	700.12	9.4	D196	700.03	9.2	2	2	LATERAL
D197	66	15	TYPE B	3.70	D197	705.85	6.2	D196	703.41	5.8	2	3	LATERAL
D209	99	15	TYPE B	0.34	D209	703.35	5.3	D208	703.01	4.9	5	5	LATERAL
D208	90	15	TYPE B	0.76	D208	703.01	4.9	D207	702.33	5.5	5	5	LATERAL
D207	88	15	TYPE B	0.72	D207	702.33	5.5	D203	701.70	8.0	2	5	LATERAL
D203	13	18	TYPE B	0.77	D203	701.45	8.2	D203A	701.35	9.0	2	2	LATERAL
D199	80	15	TYPE B	2.25	D199	706.54	5.3	D203A	704.74	5.6	2	3	LATERAL
D215	126	36	TYPE B	0.68	D215	703.13	8.0	D214	702.27	8.1	5	5	LATERAL
D214	122	36	TYPE B	0.70	D214	702.27	8.1	D213	701.42	8.0	5	5	LATERAL
D213	102	48	TYPE B	0.24	D213	700.42	9.0	D212	700.17	10.1	1	5	LATERAL
D223	35	15	TYPE B	0.77	D223	708.60	6.2	D222	708.33	3.3	3	3	LATERAL
D222	137	15	TYPE B	0.42	D222	706.33	5.3	D221	705.75	5.7	3	3	LATERAL
D221	69	15	TYPE B	0.35	D221	705.64	5.8	D220	705.40	6.2	3	3	LATERAL
D231	87	15	TYPE B	0.50	D231	709.57	5.2	D230	709.14	5.6	3	3	LATERAL
D230	101	15	TYPE B	0.37	D230	709.14	5.6	D229	708.77	5.8	3	3	LATERAL
D229	100	15	TYPE B	0.36	D229	708.77	5.8	D228	708.41	6.0	3	3	LATERAL
D228	99	15	TYPE B	0.59	D228	708.41	6.0	D227	707.83	6.3	3	3	LATERAL
D227	128	18	TYPE B	0.49	D227	707.58	6.5	D226	706.95	6.8	3	3	LATERAL
D226	151	18	TYPE B	0.50	D226	706.95	6.8	D225	706.20	6.5	3	3	LATERAL
D225	131	18	TYPE B	0.82	D225	706.20	6.5	D220	705.12	6.5	3	3	LATERAL
D220	69	24	TYPE B	0.30	D220	704.62	7.0	D219	704.41	7.1	2	3	LATERAL
D241	151	15	TYPE B	0.43	D241	709.51	5.2	D240	708.87	5.5	5	5	LATERAL
D240	175	15	TYPE B	0.35	D240	708.87	5.5	D238	708.26	5.7	5	5	LATERAL
D238	172	15	TYPE B	0.48	D238	708.26	5.7	D237	707.43	5.5	5	5	LATERAL
D237	142	15	TYPE B	0.69	D237	707.43	5.5	D234	706.45	5.3	5	5	LATERAL
D234	99	24	TYPE B	0.25	D234	704.71	7.0	D219	704.46	7.1	1	5	LATERAL
D233	33	15	TYPE B	0.85	D233	706.01	6.1	D219	705.73	5.8	2	2	LATERAL
D249	109	15	TYPE B	1.70	D249	711.85	5.3	D247	710.00	5.3	3	3	LATERAL
D247	11	15	TYPE B	0.27	D247	710.00	5.3	D246	709.97	5.6	3	3	LATERAL
D258	237	15	TYPE B	0.55	D258	713.56	5.3	D257	712.26	5.7	3	3	LATERAL
D257	22	15	TYPE B	0.36	D257	712.26	5.7	D255	712.18	16.0	3	3	LATERAL
D256	41	15	TYPE B	3.29	D256	726.28	3.3	D255	724.94	3.3	3	3	LATERAL
D255	166	18	TYPE B	0.28	D255	711.93	16.3	D254	711.46	6.0	3	3	LATERAL
D254	77	18	TYPE B	0.27	D254	711.46	6.0	D252	711.25	7.1	3	3	LATERAL
D253	42	15	TYPE B	15.41	D253	721.63	10.7	D252	715.11	3.3	3	3	LATERAL
D252	93	18	TYPE B	0.31	D252	711.25	7.1	D251	710.96	5.9	3	3	LATERAL
D251	190	18	TYPE B	0.42	D251	710.96	5.9	D250	710.16	6.1	3	3	LATERAL
D250	231	18	TYPE B	0.53	D250	710.16	6.1	D246	708.93	6.6	3	3	LATERAL
D246	59	18	TYPE B	1.00	D246	708.75	6.8	D245	708.16	8.0	2	3	LATERAL
D273	125	15	TYPE B	0.62	D273	713.29	4.9	D272	712.52	5.3	5	5	LATERAL
D272	144	15	TYPE B	0.44	D272	712.52	5.3	D271	711.88	5.5	5	5	LATERAL
D271	35	15	TYPE B	2.25	D271	711.75	5.7	D269	710.96	6.2	5	5	LATERAL
D269	154	15	TYPE B	0.52	D269	710.96	6.2	D268	710.15	6.3	5	5	LATERAL
D268	149	15	TYPE B	0.54	D268	710.15	6.3	D267	709.35	6.8	5	5	LATERAL
D267	133	18	TYPE B	0.38	D267	709.10	7.1	D266	708.60	7.2	5	5	LATERAL
D266	78	18	TYPE B	0.46	D266	708.60	7.2	D263	708.24	7.4	5	5	LATERAL
D263	177	24	TYPE B	0.36	D263	707.74	7.9	D262	707.11	8.0	5	5	LATERAL
D262	91	24	TYPE B	0.43	D262	707.11	8.0	D261	706.72	8.8	2	5	LATERAL
D261	17	24	TYPE B	0.51	D261	706.72	8.8	D245	706.64	9.5	2	2	LATERAL
D277	15	15	TYPE B	1.02	D277	710.67	6.2	D276	710.52	7.2	2	2	LATERAL
D283	13	18	TYPE C	0.30	D283	713.19	3.5	D282	713.15	4.5	1	1	LATERAL
D288	66	15	TYPE B	16.03	D288	727.37	6.3	D287	716.80	3.3	5	5	LATERAL
D287	99	15	TYPE B	1.55	D287	714.80	5.3	D286	713.27	5.3	5	5	LATERAL
D286	86	15	TYPE B	0.45	D286	713.27	5.3	D285	712.88	5.4	5	5	LATERAL
D296	222	15	TYPE B	0.78	D296	717.56	5.3	D294	715.83	5.2	5	5	LATERAL

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
AMEREN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065D TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ104 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:27 PM USER: kmorton
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DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL D (CONTINUED)							
D294	166	15	TYPE B	0.50	D294	715.83	5.2	D293	715.00	5.3	5	5	LATERAL
D293	158	15	TYPE B	0.50	D293	715.00	5.3	D290	714.21	5.3	5	5	LATERAL
D290	185	15	TYPE B	0.79	D290	714.21	5.3	D289	712.75	5.8	5	5	LATERAL
D289	90	18	TYPE B	0.76	D289	712.50	6.0	D285	711.82	6.5	5	5	LATERAL
D285	90	24	TYPE B	0.25	D285	711.32	7.0	D282	711.09	6.6	2	5	LATERAL
D307	267	15	TYPE B	0.84	D307	718.57	5.2	D306	716.32	5.3	3	3	LATERAL
D306	190	15	TYPE B	0.60	D306	716.32	5.3	D305	715.18	5.2	3	3	LATERAL
D305	184	15	TYPE B	0.62	D305	715.18	5.2	D304	714.04	5.3	3	3	LATERAL
D304	83	15	TYPE B	0.68	D304	714.04	5.3	D302	713.47	5.6	3	3	LATERAL
D303	50	15	TYPE B	0.83	D303	713.93	5.3	D302	713.51	5.6	3	3	LATERAL
D302	106	18	TYPE B	0.42	D302	712.59	6.5	D301	712.15	3.5	2	3	LATERAL
D301	24	18	TYPE C	1.13	D301	712.15	3.5	D300	711.88	6.3	1	1	LATERAL
D312	24	18	TYPE C	0.50	D312	712.48	3.5	D311	712.36	6.4	1	1	LATERAL
D317	31	24	TYPE C	0.35	D317	718.30	4.0	D316	718.19	7.1	1	1	LATERAL
D321	57	15	TYPE F	SEE NOTE	D321	745.24	4.6	D320	728.32	3.3	3	3	LATERAL (SEE STORM SEWER PROFILES FOR SLOPE INFORMATION)
D320	158	18	TYPE B	0.98	D320	723.40	8.2	D319	721.85	7.1	2	3	LATERAL
D333	215	15	TYPE B	3.14	D333	751.32	5.7	D331	744.58	5.4	5	5	LATERAL
D331	138	15	TYPE B	1.52	D331	744.58	5.4	D330	742.48	5.3	5	5	LATERAL
D330	82	15	TYPE B	0.41	D330	742.48	5.3	D329	742.14	5.3	5	5	LATERAL
D329	94	15	TYPE B	0.36	D329	742.14	5.3	D328	741.80	5.7	5	5	LATERAL
D328	61	15	TYPE C	8.20	D328	741.80	5.7	D325	736.80	3.2	5	5	LATERAL
D326	263	15	TYPE B	3.10	D326	742.96	5.3	D325	734.80	5.2	5	5	LATERAL
D325	284	15	TYPE B	3.07	D325	734.80	5.2	D323	726.08	5.3	5	5	LATERAL
D323	90	18	TYPE B	0.97	D323	724.83	6.5	D319	723.96	5.0	2	5	LATERAL
D345	78	15	TYPE B	1.18	D345	747.17	5.5	D344	746.25	5.3	3	3	LATERAL
D344	40	15	TYPE B	0.50	D344	746.25	5.3	D341	746.05	5.3	3	3	LATERAL
D343	19	15	TYPE C	3.19	D343	748.67	3.3	D341	748.05	3.3	3	3	LATERAL
D342	37	15	TYPE B	0.56	D342	746.26	5.3	D341	746.05	5.3	3	3	LATERAL
D341	30	15	TYPE B	2.22	D341	745.05	6.3	D340	744.39	7.3	3	3	LATERAL
D340	108	15	TYPE C	2.20	D340	744.39	7.3	D337	742.01	5.3	3	3	LATERAL
D339	28	15	TYPE C	15.15	D339	747.98	4.2	D337	743.81	3.5	3	3	LATERAL
D337	123	15	TYPE B	2.41	D337	741.01	6.3	D336	738.05	3.3	2	3	LATERAL
						OUTFALL E							
D374	141	36	TYPE C	0.25	D374	743.64	16.2	D370	743.29	23.7	3	3	TRUNKLINE
D370	184	36	TYPE C	0.25	D370	743.29	23.7	D365	742.83	37.8	3	3	TRUNKLINE
D365	92	36	TYPE B	0.25	D365	742.83	37.8	D359	742.60	38.9	1	1	TRUNKLINE
D359	143	42	TYPE B	0.25	D359	742.10	39.4	D358	741.74	34.6	1	1	TRUNKLINE
D358	131	42	TYPE B	0.30	D358	741.49	34.8	D357	741.11	12.0	5	5	TRUNKLINE (66' PROPOSED PIPE)
D400	136	18	TYPE B	0.70	D400	752.32	3.5	D399	751.37	7.9	2	3	LATERAL
D399	163	18	TYPE B	0.85	D399	751.37	7.9	D398	749.98	13.9	3	3	LATERAL
D398	43	18	TYPE C	1.16	D398	749.98	13.9	D388	749.48	5.8	3	3	LATERAL
D384	258	15	TYPE B	0.40	D384	764.65	5.3	D383	763.62	11.3	3	3	LATERAL
D383	70	15	TYPE C	6.02	D383	757.50	17.4	D378	753.30	3.3	3	3	LATERAL
D376	55	15	TYPE B	0.69	D376	752.58	5.3	D374	752.20	7.6	3	3	LATERAL
D371	6	15	TYPE C	0.62	D371	760.58	4.5	D370	760.54	6.4	3	3	LATERAL
D368	192	15	TYPE C	0.52	D368	773.40	5.2	D367	772.40	7.5	3	3	LATERAL
D367	140	15	TYPE C	0.36	D367	772.40	7.5	D365	771.89	8.8	3	3	LATERAL
D366	18	15	TYPE C	0.57	D366	776.07	5.1	D365	775.97	4.7	3	3	LATERAL
D361	168	18	TYPE C	2.11	D361	775.61	3.8	D360	772.08	9.4	1	1	LATERAL
D360	165	18	TYPE C	2.25	D360	772.08	9.4	D359	768.37	13.1	1	1	LATERAL
						OUTFALL F							
D438	91	15	TYPE B	1.00	D438	775.67	3.2	D437	774.76	6.6	2	5	LATERAL
D437	73	15	TYPE F	SEE NOTE	D437	774.76	6.6	D436	749.19	3.3	5	5	LATERAL (SEE STORM SEWER PROFILES FOR SLOPE INFORMATION)

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
AMEREN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065E TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ105 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:28 PM USER: kmorton
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DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL G							
D442	6	12	TYPE B	1.45	D442	737.17	4.4	D441	737.08	4.4	5	5	LATERAL
						OUTFALL H							
D448	68	12	TYPE C	2.93	D448	741.35	3.0	D447	739.35	6.1	3	3	LATERAL
						OUTFALL I							
D453	31	15	TYPE C	0.70	D453	719.75	5.4	D451	719.53	5.3	3	3	LATERAL
D452	48	15	TYPE B	1.71	D452	719.37	3.3	D451	718.55	6.3	3	3	LATERAL
D451	34	18	TYPE C	0.52	D451	718.55	6.3	D450	718.37	9.2	3	3	LATERAL
						OUTFALL M							
D936	100	15	TYPE C	0.44	D936	765.85	7.0	D934	765.41	5.7	1	1	TRUNKLINE
D934	233	15	TYPE C	0.49	D934	762.35	8.7	D930	761.22	3.9	1	1	TRUNKLINE
D930	282	15	TYPE C	1.50	D930	756.24	8.9	D926	752.00	7.5	1	1	TRUNKLINE
D926	256	24	TYPE C	1.01	D926	749.77	9.7	D923	747.18	8.6	1	1	TRUNKLINE
D923	274	24	TYPE C	0.59	D923	747.18	8.6	D920	745.57	7.9	1	1	TRUNKLINE
D920	212	24	TYPE C	0.75	D920	745.57	7.9	D919	743.97	7.4	1	1	TRUNKLINE
D919	224	24	TYPE C	0.73	D919	743.97	7.4	D916	742.34	7.1	1	1	TRUNKLINE
D916	244	30	TYPE C	0.80	D916	741.84	7.6	D914	739.90	7.3	1	1	TRUNKLINE
D914	242	30	TYPE C	0.94	D914	739.90	7.3	D911	737.62	7.4	1	1	TRUNKLINE
D911	150	30	TYPE C	1.00	D911	737.62	7.4	D909	736.12	7.5	1	1	TRUNKLINE
D909	240	30	TYPE C	1.11	D909	736.12	7.5	D902	733.45	7.9	1	1	TRUNKLINE
D902	250	30	TYPE C	1.14	D902	732.50	8.9	D900	729.65	9.4	1	1	TRUNKLINE
D900	283	30	TYPE C	1.42	D900	729.65	9.4	D875	725.62	10.9	1	1	TRUNKLINE
D875	261	42	TYPE C	0.36	D875	722.50	14.0	D870	721.57	12.3	1	1	TRUNKLINE
D870	205	42	TYPE C	0.47	D870	721.57	12.3	D865	720.60	9.9	1	1	TRUNKLINE
D865	211	42	TYPE C	0.97	D865	720.60	9.9	D864	718.55	10.0	1	1	TRUNKLINE
D864	126	42	TYPE C	0.98	D864	718.55	10.0	D856	717.32	10.6	1	1	TRUNKLINE
D856	289	54	TYPE C	0.30	D856	716.32	11.6	D855	715.45	10.6	1	1	TRUNKLINE
D855	291	54	TYPE C	0.30	D855	715.45	10.6	D838	714.58	9.3	1	1	TRUNKLINE
D838	349	54	TYPE C	0.57	D838	714.58	9.3	D825	712.59	8.8	1	1	TRUNKLINE
D825	470	54	TYPE C	0.56	D825	712.59	8.8	D814	709.98	8.0	1	1	TRUNKLINE
D814	200	54	TYPE C	0.68	D814	709.98	8.0	D811	708.62	8.0	1	1	TRUNKLINE
D811	184	54	TYPE C	0.68	D811	708.62	8.0	D808	707.37	7.9	1	1	TRUNKLINE
D808	110	54	TYPE C	0.50	D808	706.44	8.8	D806	705.89	8.7	1	1	TRUNKLINE
D806	94	54	TYPE C	0.50	D806	705.89	8.7	D800	705.42	9.5	1	1	TRUNKLINE
D800	111	54	TYPE C	0.50	D800	705.42	9.5	D798	704.87	9.8	1	1	TRUNKLINE
D798	131	54	TYPE C	0.50	D798	704.87	9.8	D795	704.22	11.5	1	1	TRUNKLINE
D795	110	54	TYPE C	0.50	D795	704.22	11.5	D785	703.67	13.6	1	1	TRUNKLINE
D785	384	54	TYPE C	0.50	D785	703.67	13.6	D779	701.75	23.4	1	1	TRUNKLINE
D779	274	54	TYPE C	0.50	D779	701.75	23.4	D777	700.38	29.9	1	1	TRUNKLINE
D777	226	54	TYPE B	0.46	D777	700.38	29.9	D775	699.33	34.5	1	1	TRUNKLINE
D775	147	54	TYPE C	0.46	D775	699.33	34.5	D770	698.66	24.8	1	1	TRUNKLINE
D770	209	60	TYPE C	0.50	D770	698.16	25.3	D755	697.12	15.0	1	1	TRUNKLINE
D937	80	15	TYPE B	0.44	D937	766.20	6.0	D936	765.85	7.0	2	5	LATERAL
D935	75	15	TYPE B	1.07	D935	763.15	6.0	D934	762.35	8.7	2	5	LATERAL
D933	77	15	TYPE B	0.56	D933	756.67	6.2	D930	756.24	8.9	2	5	LATERAL
D931	110	15	TYPE B	4.40	D931	763.52	6.0	D930	758.69	6.4	1	3	LATERAL
D929	76	15	TYPE B	0.49	D929	750.89	6.1	D926	750.52	9.0	2	5	LATERAL
D928	95	15	TYPE B	4.89	D928	758.18	5.8	D927	753.52	4.7	2	3	LATERAL
D927	13	15	TYPE C	1.85	D927	753.52	4.7	D926	753.28	6.2	1	2	LATERAL
D925	83	15	TYPE B	0.51	D925	748.35	6.3	D923	747.93	7.8	2	5	LATERAL
D922	80	15	TYPE B	0.48	D922	747.12	6.3	D920	746.74	6.7	2	5	LATERAL
D921	110	15	TYPE B	1.50	D921	749.92	6.3	D920	748.27	5.2	2	3	LATERAL
D918	80	15	TYPE B	0.45	D918	744.08	6.3	D916	743.72	5.7	2	5	LATERAL
D917	11	15	TYPE C	2.12	D917	744.86	3.4	D916	744.62	4.8	1	1	LATERAL

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
AMEREN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065F TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ106 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:29 PM USER: kmorton
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DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL M (CONTINUED)							
D912	87	15	TYPE B	0.45	D912	739.51	6.3	D911	739.12	5.9	2	5	LATERAL
D910	13	15	TYPE C	2.04	D910	738.84	3.4	D909	738.58	5.0	1	1	LATERAL
D908	146	15	TYPE B	0.59	D908	745.52	5.3	D907	744.65	5.3	3	3	LATERAL
D907	154	15	TYPE B	1.57	D907	744.65	5.3	D906	742.23	5.2	3	3	LATERAL
D906	270	15	TYPE B	0.97	D906	742.23	5.2	D905	739.60	5.2	3	3	LATERAL
D905	276	15	TYPE B	1.16	D905	739.60	5.2	D904	736.39	5.6	3	3	LATERAL
D904	127	18	TYPE B	0.53	D904	735.12	6.8	D902	734.45	6.9	2	3	LATERAL
D903	103	15	TYPE B	0.48	D903	736.08	6.3	D902	735.59	5.8	2	5	LATERAL
D898	130	15	TYPE B	1.52	D898	734.09	5.3	D891	732.12	5.3	3	3	LATERAL
D891	92	15	TYPE B	1.35	D891	732.12	5.3	D897	730.88	5.3	3	3	LATERAL
D897	47	15	TYPE B	0.32	D897	730.63	5.5	D896	730.48	5.5	3	3	LATERAL
D890	48	15	TYPE B	1.00	D890	730.88	5.3	D896	730.40	5.6	3	3	LATERAL
D896	38	18	TYPE B	3.00	D896	730.15	5.9	D886	729.01	6.4	3	3	LATERAL
D893	151	15	TYPE B	2.04	D893	735.42	5.3	D892	732.34	5.3	3	3	LATERAL
D892	31	15	TYPE B	0.48	D892	731.34	6.3	D887	731.19	6.9	3	3	LATERAL
D888	166	15	TYPE B	0.95	D888	733.46	6.3	D887	731.88	6.2	3	3	LATERAL
D887	180	18	TYPE B	0.32	D887	725.50	12.6	D886	724.93	10.5	3	3	LATERAL
D886	206	24	TYPE B	0.30	D886	724.43	11.0	D885	723.81	11.0	2	3	LATERAL
D885	17	24	TYPE C	0.54	D885	723.81	11.0	D875	723.72	12.8	1	1	LATERAL
D884	125	15	TYPE B	1.18	D884	734.51	5.3	D883	733.03	5.3	5	5	LATERAL
D883	124	15	TYPE B	0.89	D883	733.03	5.3	D882	731.93	5.3	5	5	LATERAL
D882	50	15	TYPE B	0.60	D882	731.93	5.3	D878	731.63	5.6	5	5	LATERAL
D880	84	15	TYPE B	1.72	D880	733.37	5.7	D879	731.93	5.7	5	5	LATERAL
D879	59	15	TYPE B	0.34	D879	731.93	5.7	D878	731.73	5.5	5	5	LATERAL
D878	126	15	TYPE B	1.66	D878	730.67	6.6	D875	728.57	7.9	1	2	LATERAL
D873	70	15	TYPE C	0.44	D873	731.14	3.8	D871	730.83	3.9	3	3	LATERAL
D872	75	24	TYPE B	0.25	D872	724.67	6.0	D871	724.48	10.2	3	3	LATERAL
D871	114	30	TYPE B	0.25	D871	723.98	10.7	D870	723.70	10.2	2	3	LATERAL
D867	12	15	TYPE B	0.25	D867	728.15	3.2	D866	728.12	3.8	5	5	LATERAL
D866	102	15	TYPE B	0.60	D866	725.53	6.4	D865	724.92	5.6	2	5	LATERAL
D863	41	15	TYPE C	2.26	D863	734.40	4.3	D862	733.48	5.4	5	5	LATERAL
D862	164	15	TYPE C	3.65	D862	732.00	6.9	D860	726.00	5.3	5	5	LATERAL
D861	46	15	TYPE B	1.98	D861	726.92	6.3	D860	726.00	5.3	5	5	LATERAL
D860	214	15	TYPE B	1.44	D860	726.00	5.3	D858	722.92	3.3	5	5	LATERAL
D859	90	15	TYPE B	0.57	D859	724.24	5.0	D858	723.73	2.4	5	5	LATERAL
D858	138	24	TYPE B	0.25	D858	719.17	7.0	D856	718.82	9.1	2	5	LATERAL
D857	11	15	TYPE C	1.00	D857	723.61	3.2	D856	723.50	4.4	1	1	LATERAL
D853	271	15	TYPE B	0.55	D853	724.10	5.3	D851	722.61	5.2	3	3	LATERAL
D852	50	15	TYPE B	0.71	D852	723.89	3.0	D851	723.54	4.3	3	3	LATERAL
D851	107	15	TYPE B	1.55	D851	722.61	5.2	D850	720.95	6.1	3	3	LATERAL
D850	41	15	TYPE B	1.38	D850	720.95	6.1	D845	720.38	6.6	3	3	LATERAL
D848	164	15	TYPE C	1.87	D848	731.68	5.3	D847	728.61	3.4	3	3	LATERAL
D847	169	15	TYPE C	3.58	D847	728.61	3.4	D846	722.55	5.3	3	3	LATERAL
D846	126	15	TYPE B	1.00	D846	722.55	5.3	D845	721.29	5.7	3	3	LATERAL
D845	56	24	TYPE B	0.50	D845	719.73	7.3	D843	719.45	6.5	3	3	LATERAL
D843	139	24	TYPE B	0.52	D843	719.45	6.5	D841	718.73	7.0	3	3	LATERAL
D842	53	15	TYPE C	0.41	D842	719.69	5.0	D841	719.48	6.2	3	3	LATERAL
D841	134	24	TYPE B	1.23	D841	718.73	7.0	D838	717.08	6.8	3	3	LATERAL
D840	85	15	TYPE B	0.45	D840	719.61	5.8	D838	719.23	4.7	2	5	LATERAL
D835	189	15	TYPE C	0.90	D835	720.91	4.7	D834	719.21	4.2	5	5	LATERAL
D834	227	15	TYPE C	0.50	D834	719.21	4.2	D832	718.07	4.7	5	5	LATERAL
D832	57	18	TYPE B	0.30	D832	716.82	6.0	D830	716.65	7.3	5	5	LATERAL
D831	115	15	TYPE C	0.55	D831	717.53	7.0	D830	716.90	7.0	5	5	LATERAL
D830	145	18	TYPE B	0.60	D830	716.65	7.3	D828	715.78	6.6	5	5	LATERAL
D829	45	15	TYPE B	0.51	D829	716.26	5.9	D828	716.03	6.3	2	5	LATERAL

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
AMEREN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065G TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ107 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:30 PM USER: kmorton
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DRAINAGE CONDUIT AND PHASING DETAILS

START STR REF NO	LENGTH (FT)	SIZE (IN)	TYPE	SLOPE (%)	START STR REF NO	START INVERT ELEV	START DEPTH TO INVERT	STOP STR REF NO	STOP INVERT ELEV	STOP DEPTH TO INVERT	EARLIEST MOT START PHASE	COMPLETED BY END OF PHASE	NOTES
						OUTFALL M (CONTINUED)							
D828	77	24	TYPE B	0.25	D828	715.28	7.1	D825	715.09	6.3	5	5	LATERAL
D826	11	15	TYPE C	2.03	D826	717.31	3.1	D825	717.09	4.3	1	1	LATERAL
D823	125	15	TYPE B	0.54	D823	716.64	4.9	D822A	715.96	4.9	5	5	LATERAL
D822A	125	15	TYPE B	0.54	D822A	715.96	4.9	D822	715.29	4.8	5	5	LATERAL
D822	124	15	TYPE B	1.01	D822	715.29	4.8	D821	714.04	5.3	5	5	LATERAL
D821	97	15	TYPE B	1.32	D821	714.04	5.3	D814	712.76	5.3	2	5	LATERAL
D819	220	15	TYPE B	0.67	D819	718.45	5.0	D817	716.97	5.0	3	3	LATERAL
D817	211	15	TYPE B	0.71	D817	716.97	5.0	D816	715.46	5.0	3	3	LATERAL
D816	135	15	TYPE B	1.39	D816	715.46	5.0	D815	713.58	5.9	3	3	LATERAL
D815	113	24	TYPE B	0.31	D815	712.83	6.7	D814	712.48	5.5	2	3	LATERAL
D812	11	15	TYPE C	1.02	D812	712.48	2.9	D811	712.37	4.2	1	1	LATERAL
D809	114	15	TYPE B	3.04	D809	714.07	3.0	D808	710.62	4.6	2	3	LATERAL
D807	114	15	TYPE B	3.72	D807	713.87	3.0	D806	709.64	4.9	2	3	LATERAL
D803	90	15	TYPE B	4.39	D803	710.84	4.2	D800	706.89	8.0	2	5	LATERAL (84' PROPOSED PIPE)
D802	103	15	TYPE B	4.09	D802	714.07	3.0	D801	709.85	3.5	2	3	LATERAL
D801	15	15	TYPE C	3.49	D801	709.85	3.5	D800	709.33	5.5	2	2	LATERAL
D799	93	15	TYPE B	2.90	D799	711.89	2.7	D798	707.94	6.7	2	5	LATERAL (87' PROPOSED PIPE)
D796	92	15	TYPE B	2.02	D796	710.59	4.1	D795	708.35	7.4	2	5	LATERAL (92' PROPOSED PIPE)
D793	190	15	TYPE B	1.50	D793	719.25	5.7	D792	716.40	4.7	3	3	LATERAL
D792	119	15	TYPE B	3.10	D792	715.40	5.7	D785	711.70	5.5	2	3	LATERAL
D790	177	15	TYPE B	1.59	D790	719.96	5.4	D789	717.15	5.5	5	5	LATERAL
D789	150	15	TYPE B	0.75	D789	712.40	10.3	D788	711.28	8.4	5	5	LATERAL
D788	115	15	TYPE B	1.25	D788	711.28	8.4	D786	709.84	7.7	5	5	LATERAL
D786	110	15	TYPE B	2.00	D786	709.84	7.7	D785	707.64	9.6	2	5	LATERAL
D780	14	15	TYPE C	1.56	D780	720.50	3.1	D779	720.29	4.9	1	1	LATERAL
D776	282	15	TYPE C	1.55	D776	724.02	5.3	D770	719.64	3.8	1	5	LATERAL
D773	47	15	TYPE B	0.60	D773	715.38	6.5	D770	715.10	8.3	1	5	LATERAL
D772	41	15	TYPE C	5.05	D772	722.24	12.3	D770	720.19	3.3	1	1	LATERAL
D765	11	15	TYPE C	0.80	D765	708.41	5.1	D764	708.32	4.9	1	1	LATERAL
D764	21	15	TYPE C	1.75	D764	708.32	4.9	D755	707.95	4.2	1	1	LATERAL
D762	30	15	TYPE B	1.18	D762	707.39	5.3	D761	707.04	5.8	1	1	LATERAL
D761	29	15	TYPE B	0.62	D761	706.56	6.3	D760	706.38	6.7	1	1	LATERAL
D760	16	15	TYPE C	0.58	D760	706.38	6.7	D755	706.29	5.9	1	1	LATERAL

NOTE: FOR INFORMATION ON REMOVALS, SEE THE DRAINAGE SUBSUMMARIES

PROPOSED DRAINAGE PHASING

DESIGN AGENCY
MICHIGAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 12-07-24

PROJECT ID
76779

SHEET P.0065H TOTAL 1587

CUY-90-6.69

MODEL: 76779_MQ108 PAPERSIZE: 34x22 (in.) DATE: 4/12/2025 TIME: 3:21:31 PM USER: kmorton
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ESTIMATED QUANTITIES

Sheet P.0067	Sheet P.0067A	Sheet P.0067B	Sheet P.0067C	Sheet P.0067D	Sheet P.0068	Sheet P.0069	Sheet P.0070	Sheet P.0071	Sheet P.0072	Sheet P.0073	Sheet P.0074	Sheet P.0075	Sheet P.0076	Sheet P.0077	Sheet P.0078	Sheet P.0079	Sheet P.0080	Sheet P.0081	Sheet P.0082	Sheet P.0083	Sheet P.0083A	ITEM	EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
15381																						254	01000	15,381	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
847																						407	10000	847	GAL	TACK COAT	
641																						441	70000	641	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, PG64-22	P.0061
																					563	611	05901	563	FT	15" CONDUIT, TYPE B, AS PER PLAN	
																					498	611	06101	498	FT	15" CONDUIT, TYPE C, AS PER PLAN	
																					60	611	07401	60	FT	18" CONDUIT, TYPE B, AS PER PLAN	
																					19	611	08901	19	FT	21" CONDUIT, TYPE B, AS PER PLAN	
																					225	611	09101	225	FT	21" CONDUIT, TYPE C, AS PER PLAN	
																					26	611	10401	26	FT	24" CONDUIT, TYPE B, AS PER PLAN	
																					51	611	10601	51	FT	24" CONDUIT, TYPE C, AS PER PLAN	
																					31	611	12101	31	FT	27" CONDUIT, TYPE C, AS PER PLAN	
																					147	611	13601	147	FT	30" CONDUIT, TYPE C, AS PER PLAN	
																					69	611	16601	69	FT	36" CONDUIT, TYPE C, AS PER PLAN	
																					22	611	19601	22	FT	42" CONDUIT, TYPE C, AS PER PLAN	
																					65	611	22601	65	FT	54" CONDUIT, TYPE C, AS PER PLAN	
																					50	611	25401	50	LF	66" CONDUIT, TYPE C, AS PER PLAN	
1332																						611	97010	1,332	FT	SLOTTED DRAIN, TYPE 2, 15"	
																					1	611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN	
																					1	611	98371	1	EACH	CATCH BASIN, NO. 6, AS PER PLAN	
																					1	611	98841	1	EACH	INLET, NO. 2-A-6, AS PER PLAN	
																					4	611	99575	4	EACH	MANHOLE, NO. 3, AS PER PLAN	
4	2	2	1		7				9	4	1		3			9	3	1	2	6		614	12380	54	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
1119	1624	738	1371	832	1946	429			390	127			1421	364		598	78	88	1213			614	12801	12,338	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	P.0060
250	440	34	294		775		356	40	392	333	149	113	1743		12	355	111	188	100	76		614	13310	5,761	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
250	440	34	294		775		356	40	392	333	149	113	1743		12	355	111	188	100	76		614	13350	5,761	EACH	OBJECT MARKER, ONE WAY	
						6289	6337			2474				4183			1528					614	18030	20,811	FT	MAINTAINING TRAFFIC, MISC.: TROUGH	P.0063
4.6	11.01		15.70	0.82	20.51	1.92		0.82	1.93				19.1			4.94						614	20056	81.35	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
		1.3										26.97							26.97			614	20110	55.24	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
6.91	8.96		14.72	3.54	29.88	3.08		0.91	10.26	1.26	1.37	0.69	29.33		0.16	10.88	1.6	1.68	0.48			614	22056	125.71	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
		0.08										24.08							24.08			614	22110	48.24	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
10843	13903		16244	12719	16010	8579		100	6100	2535	843		11604	7287		7603	1916	1768	530			614	23110	118,584	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
		9888										20147							20147			614	23210	50,182	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 6", 642 PAINT	
359	8226		5968	4652	7360	8717		835	5408	2925	1264		9933	1053	760	5141	999					614	24102	63,600	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	
												16317							16317			614	24202	32,634	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
					212																	614	25000	212	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I	
20060					2073	2374								3860								615	20000	28,367	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
		715.5										311.4										617	11100	1,027	TON	COMPACTED AGGREGATE	
		2257										983										617	20000	3,240	SY	SHOULDER PREPARATION	
			11395		571								31090									622	41011	43,056	FT	PORTABLE BARRIER, 50", AS PER PLAN	P.0057
					1				2				1			1	1	1				622	41060	7	EACH	DUAL PORTABLE BARRIER TRANSISTION/TERMINATION	P.0064
12379	22766	1700	1681		35985			755	15607	3564	7467	5635	22550		605	13267	4504	8185	5000	3820		622	41100	165,470	FT	PORTABLE BARRIER, UNANCHORED	
	50		1600					1226	3972	200			2420			4468	1040	1235				622	41111	16,211	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	P.0057

R4 R7 R3 R6 R4 R6 R3 R6 R3 R6 R3 R6 R7

MAINTENANCE OF TRAFFIC SUB-SUMMARY

CUY-90-6.69

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 2:56:50 PM USER: jsima
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0066 TOTAL P.1587

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	PHASE	STEP	611 SLOTTED DRAIN, TYPE 2, 15" FT	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) EACH	614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN EACH	614 BARRIER REFLECTOR, TYPE 1 EACH	614 OBJECT MARKER, ONE WAY EACH	614 MAINTAINING TRAFFIC, MISC.: TROUGH FT	614 WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (WHITE) MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (YELLOW) MILE	614 WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT FT	614 WORK ZONE, DOTTED LINE, CLASS I, 6", 807 PAINT FT	614 WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	622 PORTABLE BARRIER, 50", AS PER PLAN FT	622 DUAL PORTABLE BARRIER TRANSITION/ TERMINATION EACH	622 PORTABLE BARRIER, UNANCHORED FT	622 PORTABLE BARRIER, ANCHORED, AS PER PLAN FT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, PG64-22 CY	617 COMPACTED AGGREGATE TON	617 SHOULDER PREPARATION SY	254 PAVEMENT PLANING, ASPHALT CONCRETE, 1.5" SY	407 TACK COAT GAL		
	TP-1	IR-90	332+90.00	338+00.00	RT/LT	1	A																			74			1776	98		
	TP-2	IR 90	542+00.00	545+70.00	RT/LT	1	A																			53			1272	70		
	TP-3	IR 90	635+23.00	640+20.00	RT/LT	1	A														2205											
	TP-4	IR 90	640+80.00	668+82.00	RT/LT	1	A														6165											
	TP-5	IR 90	674+10.00	684+63.00	LT	1	A														688											
	TP-6	IR 90	696+25.00	732+40.00	LT	1	A														5254											
	TP-7	IR 90	759+65.00	770+16.00	LT	1	A														559											
	TP-8	IR 90	807+50.00	819+50.00	RT/LT	1	A														5155											
	TP-9	IR 90	602+49.00	602+99.00	RT/LT	1	A														34											
		RUMBLE STRIP REMOVAL	333+00.00	821+00.00	LT/RT	1	A																			514			12333	679		
104		SLOTTED DRAIN	333+00.00	337+10.00	C/L	1	A	410																								
106		SLOTTED DRAIN	542+25.00	545+70.00	C/L	1	A	345																								
112-113		SLOTTED DRAIN	635+23.00	639+00.00	C/L	1	A	377																								
125		SLOTTED DRAIN	815+50.00	817+50.00	C/L	1	A	200																								
	WCH-1	IR 90	315+73.00	327+13.00	RT	1	A			228							2280															
	WEL-1	IR 90	318+73.00	539+88.00	RT	1	A								0.89																	
	WYL-1	IR 90	318+73.00	644+98.00	RT	1	A									2.88																
	WCH-2	IR 90	322+85.00	335+45.00	LT	1	A			252							2520															
	WEL-2	IR 90	325+85.00	354+29.72	LT	1	A								0.54																	
	WEL-2	IR 90	528+50.00	542+70.00	LT	1	A								0.27																	
	WYL-2	IR 90	325+85.00	354+29.72	LT	1	A									0.54																
	WYL-2	IR 90	528+50.00	556+20.00	LT	1	A									0.52																
	WLL-1	IR 90	327+13.00	354+29.72	RT	1	A			46				1.03																		
	WLL-1	IR 90	528+50.00	555+50.00	RT	1	A			45				1.02																		
	ATT-1	IR 90	330+11.00		RT	1	A		1																							
	PB-1	IR 90	330+11.00	338+20.00	RT	1	A				17	17																				
	PB-2	IR 90	332+45.00	340+54.00	LT	1	A				17	17																				
	WLL-2	IR 90	335+45.00	354+29.72	LT	1	A			32				0.71																		
	WLL-2	IR 90	528+50.00	542+70.00	LT	1	A			24				0.54																		
	ATT-2	IR 90	340+54.00		LT	1	A		1																							
	ATT-3	IR 90	539+41.00		RT	1	A		1																							
	PB-3	IR 90	539+41.00	640+40.00	RT	1	A				202	202																				
	WCH-3	IR 90	539+88.00	553+24.00	RT	1	A			67							1336															
	PB-4	IR 90	541+80.00	548+42.00	LT	1	A				14	14																				
	WCH-4	IR 90	542+70.00	546+06.00	LT	1	A			17							336															
	WCH-5	IR 90	542+70.00	559+20.00	LT	1	A			248							3300															
	ATT-4	IR 90	548+42.00		LT	1	A		1																							
	WLL-3	IR 90	568+10.00	634+78.00	RT	1	A			56				1.30																		
	WCH-6	IR 90	549+28.00	559+20.00	LT	1	A			100							992															
	WEL-3	IR 90	549+51.00	556+20.00	LT	1	A								0.13																	
	WEL-4	IR 90	553+24.00	589+92.00	RT	1	A								0.69																	
	WEL-5	IR 90	581+50.00	605+00.00	LT	1	A								0.45																	
	WDL-2	IR 90	585+81.00	589+40.00	RT	1	A											359														
	WCH-7	IR 90	589+40.00	590+19.00	RT	1	A			4							79															
	TOTALS CARRIED TO SHEET P.0066							1,332	4	1,119	250	250		4.60	2.97	3.94	10,843	359		20,060			12,379		641			15,381	847		

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0067 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 4/10/2025 TIME: 1:59:25 PM USER: jsima
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SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	PHASE	STEP	611 SLOTTED DRAIN, TYPE 2, 15" FT	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) EACH	614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN EACH	614 BARRIER REFLECTOR, TYPE 1 EACH	614 OBJECT MARKER, ONE WAY EACH	614 MAINTAINING TRAFFIC, MISC.: TROUGH FT	614 WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (WHITE) MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (YELLOW) MILE	614 WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT FT	614 WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT FT	614 WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	622 PORTABLE BARRIER, 50", AS PER PLAN FT	622 DUAL PORTABLE BARRIER TRANSISTION/ TERMINATION EACH	622 PORTABLE BARRIER, UNANCHORED FT	622 PORTABLE BARRIER, ANCHORED, AS PER PLAN FT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, PG64-22 CY	617 COMPACTED AGGREGATE TON	617 SHOULDER PREPARATION SY
	WEL-6	IR 90	590+19.00	608+95.00	RT	1	A								0.36													
	WDL-3	IR 90	598+00.00	605+00.00	LT	1	A											700											
	WCH-8	IR 90	608+95.00	612+06.00	RT	1	A			16							311												
	WDL-4	IR 90	612+06.00	627+93.00	RT	1	A											1789											
	WEL-7	IR 90	614+49.00	627+06.00	RT	1	A								0.28														
	WCH-9	IR 90	622+60.00	643+00.00	LT	1	A			510							6120												
	WCH-10	IR 90	627+93.00	628+70.00	RT	1	A			4							77												
	WEL-8	IR 90	635+50.00	666+00.00	LT	1	A								0.58														
	WYL-3	IR 90	625+60.00	833+18.00	LT	1	A									3.93													
	WEL-9	IR 90	628+70.00	643+98.00	RT	1	A								0.29														
	WCH-11	IR 90	634+78.00	646+98.00	RT	1	A			244							2440												
	PB-5	IR 90	635+03.00	821+74.00	LT	1	A				374	374													18671				
	WLL-4	IR 90	643+00.00	823+87.00	LT	1	A			453				10.28															
	WCH-12	IR 90	666+00.00	667+16.00	LT	1	A			6							116												
	WDL-5	IR 90	667+16.00	670+36.00	LT	1	A											320											
	WEL-10	IR 90	668+46.00	681+74.00	LT	1	A								0.25														
	PB-6	IR 90	602+49.00	602+99.00	RT	1	A				2	2														50			
	WCH-13	IR 90	681+74.00	684+08.00	LT	1	A			12							234												
	WDL-6	IR 90	684+08.00	689+55.00	LT	1	A											547											
	WEL-12	IR 90	683+28.00	730+00.00	LT	1	A								0.88														
	WCH-26	IR 90	625+60.00	635+50.00	LT	1	A			50							990								990				
	WDL-7	IR 90	714+72.00	724+34.00	LT	1	A											962											
	WCH-14	IR 90	724+34.00	726+80.00	LT	1	A			13							246												
	WDL-8	IR 90	725+15.00	734+85.00	LT	1	A											970											
	WCH-15	IR 90	733+85.00	736+04.00	LT	1	A			11							219												
	WEL-18	IR 90	736+04.00	743+71.00	LT	1	A								0.15														
	WCH-16	IR 90	743+71.00	745+02.00	LT	1	A																						
	WDL-9	IR 90	747+17.00	762+85.00	LT	1	A											1568											
	WEL-13	IR 90	745+85.00	761+22.00	LT	1	A								0.29														
	WCH-17	IR 90	762+85.00	765+49.00	LT	1	A			14							264												
	WEL-14	IR 90	765+49.00	797+00.00	LT	1	A								0.60														
	WCH-18	IR 90	792+36.00	802+26.00	RT	1	A			248							2970												
	WYL-4	IR 90	795+35.00	823+56.00	RT	1	A									0.53													
	WDL-1	IR 90	795+85.00	803+21.00	RT	1	A											736											
	WCH-19	IR 90	797+00.00	798+16.00	LT	1	A			6							116												
	WDL-1	IR 90	798+16.00	804+50.00	LT	1	A											634											
	WEL-15	IR 90	798+72.00	823+87.00	LT	1	A								0.48														
	WLL-5	IR 90	802+26.00	816+66.00	RT	1	A			36				0.82															
	WEL-16	IR 90	803+21.00	819+66.00	RT	1	A			15					0.31														
	ATT-8	IR 90	805+23.00		RT	1	A		1																				
	PB-8	IR 90	805+23.00	819+66.00	RT	1	A				29	29													1443				
	PB-10	IR 90	582+50.00	596+57.00	LT	1	A				29	29													1407				
	PB-11	IR 90	584+10.00	586+65.00	RT	1	A				6	6													255				
	ATT-9	IR 90	596+57.00		LT	1	A		1																				
	TOTALS CARRIED TO SHEET P.0066								2	1,638	440	440		11.09	4.46	4.47	14,103	8,226							22,766	50			

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 1A PAPERSIZE: 34x22 (in.) DATE: 4/10/2025 TIME: 2:00:51 PM USER: jsima
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0067A TOTAL P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	PHASE	STEP	611 SLOTTED DRAIN, TYPE 2, 15" FT	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) EACH	614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN EACH	614 BARRIER REFLECTOR, TYPE 1 EACH	614 OBJECT MARKER, ONE WAY EACH	614 WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT(WHITE) MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT(YELLOW) MILE	614 WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT MILE	614 WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT FT	614 WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT FT	614 WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT(WHITE) MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT(YELLOW) MILE	614 WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT FT	614 WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT FT	622 PORTABLE BARRIER, UNANCHORED FT	622 PORTABLE BARRIER, ANCHORED, AS PER PLAN FT	441 ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, PG64-22 CY	617 COMPACTED AGGREGATE TON	617 SHOULDER PREPARATION SY
	WCH-2	IR 90	816+66.00	826+56.00	RT	1	A			198						2970										
	WCH-2	IR 90	819+66.00	823+56.00	RT	1	A			35						390										
	ATT-10	IR 90	821+74.00		LT	1	A		1																	
	WCH-2	IR 90	823+87.00	826+19.00	LT	1	A			12						232										
	WCH-2	IR 90 WB	822+38.00	836+18.00	LT	1	A			276						4140										
	WCH-2	IR 90 WB	828+84.00	836+18.00	LT	1	A			74						734										
	WEL-17	IR 90 WB	828+98.00	833+18.00	LT	1	A						0.08													
	ATT-11	IR 90	538+50.00		RT	1	A		1																	
	PB-12	IR 90	538+50.00	555+50.00	RT	1	A				34	34												1700			
	WCH-2	IR 90	555+50.00	568+10.00	RT	1	A			126						1260										
	WCH-2	IR 90	745+55.00	747+17.00	LT	1	A			17						162										
	WLL-6	IR 90	568+10.00	634+78.00	RT	1	A								1.30											
125	BK150	IR 90 CROSSOVER	334+50.00	335+75.00	RT	1/2																				
125	BK150	IR 90 CROSSOVER	335+75.00	337+25.00	LT	1/2																				
130		IR 90 EB	568+80.00	570+15.00	RT	1/2																				
136		IR 90 WB	586+25.00	588+10.00	LT	1/2																				
136-140		IR 90 WB	640+29.00	684+62.00	LT	1/2																			312.0	985
141-144		IR 90 WB	696+20.00	732+40.00	LT	2																			254.7	804
146-147		IR 90 WB	759+60.00	770+15.00	LT	2																			74.2	234
150-151	BK252	IR 90 CROSSOVER	815+55.00	816+00.00	LT	2																			52.7	166
151	BK252	IR 90 CROSSOVER	816+00.00	816+55.00	LT	2																			3.9	12
151	BK252	IR 90 CROSSOVER	816+55.00	817+10.00	RT	2																			3.9	12
151	BK252	IR 90 CROSSOVER	817+45.00	819+45.00	RT	2																			14.1	44
TOTALS CARRIED TO SHEET P.0066									2	738	34	34	0.08		1.30	9,888						1,700		715.5	2,257

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0067B TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 1B PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 12:10:20 PM USER: jsima
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SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	PHASE	STEP	611 SLOTTED DRAIN, TYPE 2 (FT)	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL) (EACH)	614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN (EACH)	614 BARRIER REFLECTOR, TYPE 1 (EACH)	614 OBJECT MARKER, ONE WAY (EACH)	614 MAINTAINING TRAFFIC, MISC.: TROUGH (FT)	614 WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT (MILE)	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (WHITE) (MILE)	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (YELLOW) (MILE)	614 WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT (FT)	614 WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT (FT)	614 WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I (FT)	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A (SY)	622 PORTABLE BARRIER, 50", AS PER PLAN (FT)	622 DUAL PORTABLE BARRIER TRANSISTION/TERMINATION (EACH)	622 PORTABLE BARRIER, UNANCHORED (FT)	622 PORTABLE BARRIER, ANCHORED, AS PER PLAN (FT)
	WCH-1	IR 90	315+73.00	327+13.00	RT	1	B			114							2280							
	WYL-1	IR 90	318+73.00	644+98.00	RT	1	B			126						2.92								
	WEL-1	IR 90	318+73.00	539+88.00	RT	1	B			44					0.89									
	WLL-1	IR 90	327+13.00	353+70.00	RT	1	B			22				0.50										
	WLL-3	IR 90	327+13.00	555+50.00	RT	1	B			45				1.03										
	WCH-2	IR 90	331+73.00	341+76.00	LT	1	B			100							2006							
	WYL-2	IR 90	331+73.00	833+18.00	RT	1	B			88						6.24								
	PB-2	IR 90	332+90.00	635+03.00	LT	1	B				228	228									11395			
	PB-2	IR 90	587+95.00	590+45.00	LT	1	B				5	5												250
	PB-2	IR 90	600+65.00	603+15.00	LT	1	B				5	5												250
	PB-2	IR 90	613+37.00	616+12.00	LT	1	B				11	11												550
	PB-2	IR 90	619+52.00	622+27.00	LT	1	B				11	11												550
	WEL-2	IR 90	335+33.00	543+00.00	LT	1	B			51					0.63									
	WDL-1	IR 90	353+70.00	534+50.00	RT	1	B											660						
	WLL-2	IR 90	341+76.00	630+11.00	LT	1	B			41				0.93										
	WCH-3	IR 90	539+88.00	546+80.00	RT	1	B			70							1384							
	WEL-3	RAMP HA - RAMP MD	538+72.00	589+92.00	RT	1	B			64					0.97									
	WYL-3	RAMP HA	38+72.00	39+88.00	LT	1	B									0.02								
	PB-1	IR 90	541+24.00	555+50.00	RT	1	B				29	29											1426	
	ATT-1	RAMP HA	41+24.00		RT	1	B		1															
	WCH-4	IR 90	543+00.00	545+11.00	LT	1	B			11							211							
	WLL-4	IR 90	546+80.00	555+50.00	LT	1	B			7				0.16										
	WEL-4	RAMP HB - RAMP MC	548+23.00	590+27.00	LT	1	B								0.80									
	WLL-5	IR 90	548+23.00	630+11.00	LT	1	B			70				1.59										
	WCH-5	IR 90	555+50.00	568+10.00	RT	1	B			126							2520							
	WLL-6	IR 90	568+10.00	634+78.00	RT	1	B							1.30										
	PB-3	IR 90	584+10.00	586+65.00	RT	1	B				5	5											255	
	WDL-3	IR 90	585+81.00	589+40.00	RT	1	B											359						
	WDL-2	IR 90	586+27.00	593+51.00	LT	1	B											724						
	WCH-6	IR 90	589+40.00	590+19.00	RT	1	B			4							79							
	WEL-5	IR 90	590+19.00	608+95.00	RT	1	B									0.36								
	WCH-7	IR 90	593+51.00	595+47.00	LT	1	B			10							196							
	WEL-6	IR 90	595+47.00	612+91.00	LT	1	B								0.33									
	WEL-7	IR 90	614+49.00	627+06.00	RT	1	B								0.28									
	WCH-8	IR 90	609+95.00	612+06.00	RT	1	B			11							211							
	WDL-4	IR 90	612+06.00	627+93.00	RT	1	B											1789						
	WCH-9	IR 90	612+91.00	614+11.00	LT	1	B			6							120							
	WDL-5	IR 90	614+11.00	629+09.00	LT	1	B											1700						
	WEL-8	IR 90	614+95.00	628+01.00	LT	1	B								0.29									
	WCH-10	IR 90	627+93.00	628+70.00	RT	1	B			4							77							
	WEL-9	IR 90	628+70.00	643+98.00	RT	1	B								0.29									
	WCH-12	IR 90	629+09.00	635+50.00	LT	1	B			32							641							
	WCH-11	IR 90	630+11.00	643+00.00	LT	1	B			193							3867							
	WCH-13	IR 90	634+78.00	646+98.00	RT	1	B			122							2440							
	WEL-10	IR 90	643+00.00	666+00.00	LT	1	B								0.44									
	WLL-7	IR 90	643+00.00	822+38.00	LT	1	B							10.19										
	WCH-14	IR 90	666+00.00	666+77.00	LT	1	B			4							77							
	WDL-6	IR 90	666+76.00	670+36.00	LT	1	B											360						
	WEL-11	IR 90	666+77.00	681+74.00	LT	1	B								0.28									
	WDL-6	IR 90	666+77.00	670+54.00	LT	1	B											377						
	WCH-15	IR 90	681+74.00	683+09.00	LT	1	B			7							135							
	TOTALS CARRIED TO SHEET P.0066								1	1371	294	294		15.70	5.19	9.53	16244	5968			11395		1681	1600

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0067C TOTAL P.1587

CUY-90-6.69

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SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	PHASE	STEP	611 SLOTTED DRAIN, TYPE 2	614 WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	614 BARRIER REFLECTOR, TYPE 1	614 OBJECT MARKER, ONE WAY	614 MAINTAINING TRAFFIC, MISC.: TROUGH	614 WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (WHITE)	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (YELLOW)	614 WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	614 WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	614 WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	622 PORTABLE BARRIER, 50", AS PER PLAN	622 DUAL PORTABLE BARRIER TRANSISTION/TERMINATION	622 PORTABLE BARRIER, UNANCHORED	622 PORTABLE BARRIER, ANCHORED, AS PER PLAN			
								FT	EACH	EACH	EACH	EACH	FT	MILE	MILE	MILE	FT	FT	FT	SY	FT	EACH	FT	FT			
	WDL-7	IR 90	683+09.00	689+69.00	LT	1	B											660										
	WEL-12	IR 90 - RAMP 117-5	683+29.00	30+00.00	LT	1	B								0.88													
	WDL-8	IR 90	714+72.00	725+15.00	LT	1	B											1043										
	WCH-16	IR 90	725+15.00	726+56.00	LT	1	B			7							141											
	WDL-9	IR 90	726+56.00	732+90.00	LT	1	B								0.12													
	WEL-13	IR 90	726+56.00	732+90.00	LT	1	B								0.12													
	WCH-17	IR 90	735+09.00	736+04.00	LT	1	B			5							95											
	WEL-14	IR 90	736+04.00	743+71.00	LT	1	B								0.15													
	WCH-18	IR 90	743+71.00	745+02.00	LT	1	B			7							131											
	WCH-19	IR 90	745+52.00	747+17.00	LT	1	B			8							165											
	WEL-15	IR 90	745+85.00	761+22.00	LT	1	B								0.29													
	WDL-1	IR 90	747+17.00	762+86.00	LT	1	B											1569										
	WCH-20	IR 90	762+86.00	765+98.00	LT	1	B			16							312											
	WEL-16	IR 90	765+98.00	797+00.00	LT	1	B								0.59													
	WCH-21	IR 90	792+39.00	802+26.00	RT	1	B			148							2961											
	WYL-4	IR 90	795+35.00	823+56.00	RT	1	B			80						0.53												
	WCH-22	IR 90	797+00.00	798+05.00	LT	1	B			5							105											
	WDL-1	IR 90	795+85.00	803+21.00	RT	1	B											736										
	WDL-1	IR 90	798+05.00	804+49.00	LT	1	B											644										
	WEL-17	IR 90	798+72.00	823+87.00	LT	1	B								0.48													
	WLL-5	IR 90	802+26.00	816+66.00	RT	1	B			36				0.82														
	WEL-18	IR 90	803+21.00	819+66.00	RT	1	B			15					0.31													
	WCH-22	IR 90	816+66.00	826+56.00	RT	1	B			150							2970											
	WCH-23	IR 90	819+66.00	823+56.00	RT	1	B			39							780											
	WCH-24	IR 90	822+87.00	826+19.00	LT	1	B			17							332											
	WCH-25	IR 90	822+87.00	836+18.00	LT	1	B			200							3993											
	WCH-26	IR 90	828+84.00	836+18.00	LT	1	B			37							734											
	WEL-18	IR 90	829+06.00	833+18.00	LT	1	B			64					0.08													
	TOTALS CARRIED TO SHEET P.0066									832				0.82	3.01	0.53	12719	4652										

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0067D TOTAL P.1587

CUY-90-6.69

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MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	PHASE	STEP	611 SLOTTED DRAIN, TYPE 2 FT	614 WORK ZONE IMPACT ATTENUATOR, 24"WIDE HAZARDS, (UNIDIRECTIONAL) EACH	614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN EACH	614 BARRIER REFLECTOR, TYPE 1 EACH	614 OBJECT MARKER, ONE WAY EACH	614 MAINTAINING TRAFFIC, MISC.: TROUGH FT	614 WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (WHITE) MILE	614 WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT (YELLOW) MILE	614 WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT FT	614 WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT FT	614 WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I FT	615 PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A SY	622 PORTABLE BARRIER, 50", AS PER PLAN FT	622 DUAL PORTABLE BARRIER TRANSISTION/TERMINATION EACH	622 PORTABLE BARRIER, UNANCHORED FT	622 PORTABLE BARRIER, ANCHORED, AS PER PLAN FT
	WCH-1	IR 90	315+73.00	327+13.00	RT	2	A			101							2010								
	WCH-2	IR 90	331+73.00	341+76.00	LT	2	A			125							2506								
	WYL-1	IR 90	332+23.00	821+14.00	LT-RT	2	A			60						11.94									
	PB-1	IR 90	817+14.00	822+85.00	LT	2	A				23	23										571			
	WEL-1	IR 90	335+83.00	543+00.00	LT	2	A			30					0.62								R7		
	ATT-1	IR 90	337+86.00		CL	2	A		1																
	WEL-2	IR 90	338+76.00	636+75.00	LT	2	A								2.40										
	WYL-2	IR 90	337+86.00	632+83.00	RT	2	A			88						2.33									
	WCH-3	IR 90	339+54.00	352+10.00	RT	2	A			64							1256								
	WLL-1	IR 90	341+76.00	630+11.00	LT	2	A			264				5.99											
	WEL-3	IR 90	339+54.00	539+90.00	RT	2	A			64					0.54										
	ATT-2	IR 90	348+65.00		LT	2	A		1																
	PB-2	IR 90	348+65.00	636+60.00	LT-RT	2	A				432	432												21601	
	PB-2	IR 90	587+95.00	590+45.00	LT	2	A																		
	PB-2	IR 90	600+65.00	603+15.00	LT	2	A																		
	PB-2	IR 90	613+37.00	616+12.00	LT-RT	2	A																		
	PB-2	IR 90	619+52.00	622+27.00	LT-RT	2	A																		
	WLL-2	IR 90	352+10.00	538+10.00	RT	2	A			10				0.22											
	WYL-3	RAMP HA	36+61.00	40+70.00	LT	2	A									0.08									
	ATT-3	IR 90	349+48.00		RT	2	A		1																
	WCH-4	IR 90	538+10.00	548+61.00	RT	2	A			96							1910								
	WEL-4	RAMP HA - RAMP MD	39+12.00	89+87.00	RT	2	A								0.96										
	WCH-5	IR 90	543+00.00	545+10.00	LT	2	A			11							210								
	WLL-3	IR 90	548+61.00	624+65.00	RT	2	A			65				1.47											
	WDL-1	IR 90	544+61.00	557+40.00	RT	2	A											1279							
	WEL-5	IR 90	548+23.00	590+26.00	LT	2	A									0.80									
	WDL-2	IR 90	583+00.00	593+52.00	LT	2	A											1052							
	WDL-3	IR 90	584+36.00	589+41.00	RT	2	A											497							
	WCH-6	IR 90	589+41.00	590+19.00	RT	2	A			4							77								
	WEL-6	IR 90	590+19.00	608+95.00	RT	2	A								0.35										
	WCH-7	IR 91	593+52.00	595+47.00	LT	2	A			10							199								
	WEL-7	IR 90	595+47.00	612+88.00	LT	2	A									0.33									
	WCH-8	IR 90	608+95.00	612+06.00	RT	2	A			16							311								
	WDL-4	IR 90	612+06.00	627+92.00	RT	2	A											1788							
	WCH-9	IR 90	612+88.00	614+11.00	LT	2	A			6							123								
	WDL-5	IR 90	614+11.00	629+09.00	LT	2	A											1700							
	WEL-8	IR 90	614+49.00	627+06.00	LT	2	A								0.28										
	WEL-9	IR 90	615+00.00	628+02.00	LT	2	A								0.28										
	WCH-1	IR 90	627+92.00	628+70.00	RT	2	A			4							78								
	WEL-10	IR 90 - BK 151	628+70.00	35+50.00	RT	2	A								0.13										
	WYL-5	RAMP 140-4	74+35.00	80+00.00	LT	2	A									0.11									
	PB-4	RAMP 140-4	74+62.00	78+31.00	LT	2	A		1		7	7												369	
	PB-5	RAMP 140-3	77+00.00	80+00.00	RT	2	A		1		6	6												300	
	WCH-1	IR 90	630+11.00	643+00.00	LT	2	A			226							4512								
	WCH-1	IR 90	624+65.00	643+29.00	RT-LT	2	A			131							2627								
	WGM-1	IR 90	634+66.00	637+56.00	RT	2	A												212						
	ATT-4	IR 90	637+19.00		RT	2	A		1														1		
	PB-3	IR 90	637+19.00	771+80.00	RT-LT	2	A				274	274												13715	
	ATT-5	IR 90	660+80.00		LT	2	A		1																
	TP-1	IR 90	639+00.00	670+22.00	LT	2	A														2073				
	WYL-4	IR 90 EB - IR 90	37+56.00	817+04.00	RT	2	A									3.46									
	WLL-4	IR 90	643+00.00	809+96.00	LT	2	A			565				12.83											
	WCH-1	IR 90	666+00.00	666+76.00	LT	2	A			4							76								
	WEL-12	IR 90 EB - IR 90	70+80.00	682+80.00	RT	2	A								0.22										
	WEL-11	IR 90	636+75.00	666+00.00	L	2	A								0.55										
	WDL-6	IR 90	666+76.00	670+36.00	LT-RT	2	A											360							
	WEL-13	IR 90	670+36.00	681+75.00	LT	2	A								0.22										
	WCH-1	IR 90	681+75.00	682+90.00	LT	2	A			6							115								
	WEL-14	RAMP 140-3 - RAMP 117-5	82+74.00	30+00.00	LT	2	A								0.88										
	WDL-7	IR 90	682+90.00	689+69.00	LT	2	A											684							
	WEL-25	IR 90	637+56.00	817+04.00		2									3.4										
	TOTALS CARRIED TO SHEET P.0066								7	1946	743	743		20.51	10.83	19.05	16010	7360	212	2073	571	1	35985		

R3 R4 R7

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0068 | TOTAL P.1587

CUY-90-6.69

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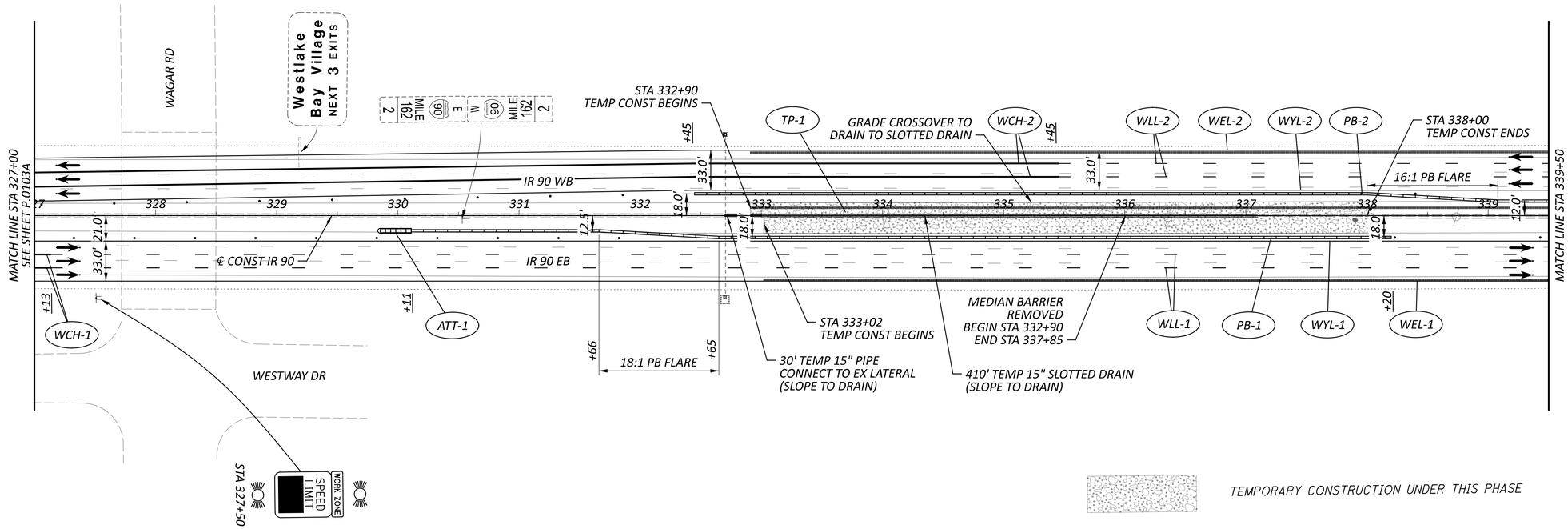

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 327+00 TO STA 339+50

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0104 TOTAL P.1587

CUY-90-6.69

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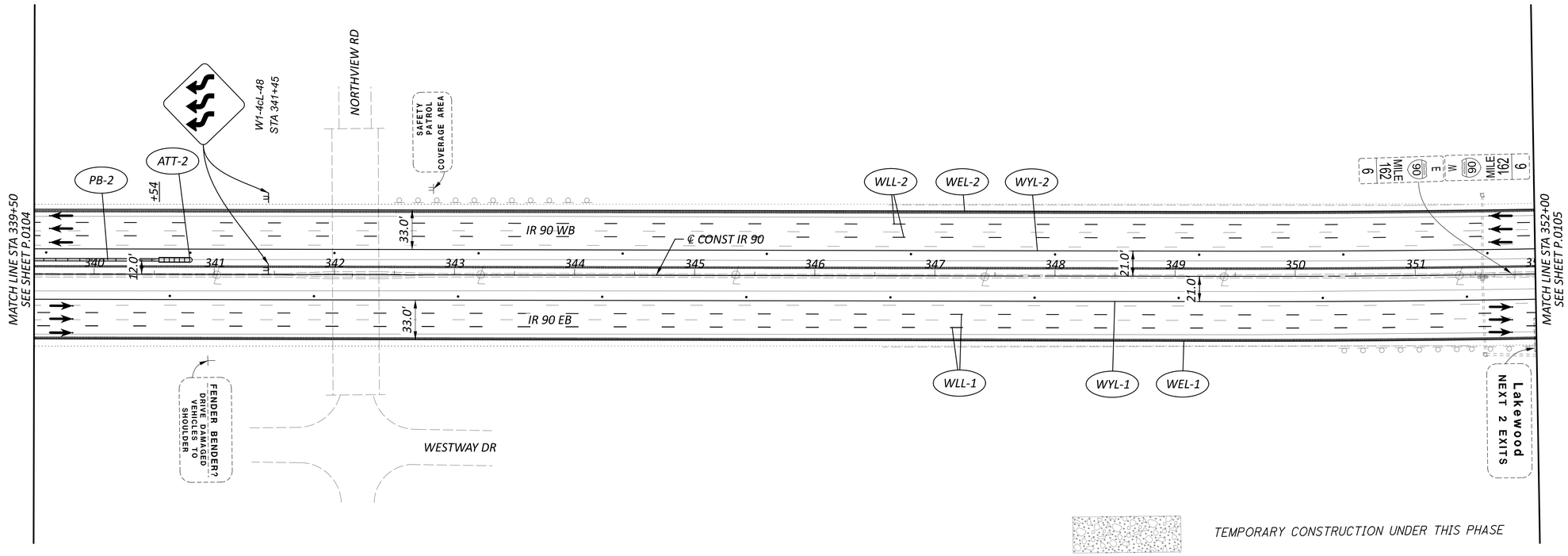

R6

R7

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 339+50 TO STA 352+00

DESIGN AGENCY

DESIGNER CSC

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0104A TOTAL P.1587

CUY-90-6.69

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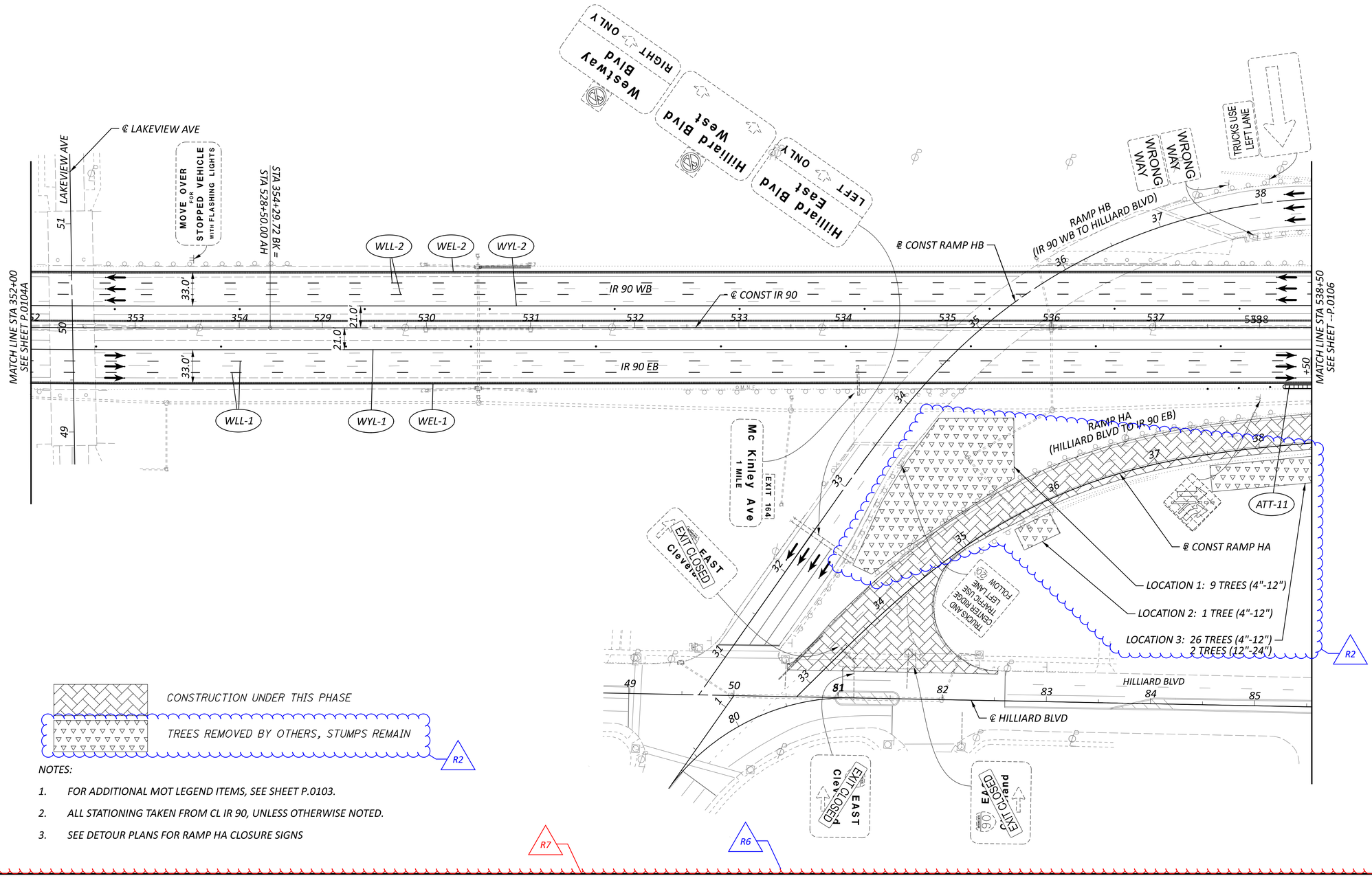

CONSTRUCTION UNDER THIS PHASE

TREES REMOVED BY OTHERS, STUMPS REMAIN

R2

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP HA CLOSURE SIGNS

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 352+00 TO STA 538+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0105 TOTAL P.1587

CUY-90-6.69

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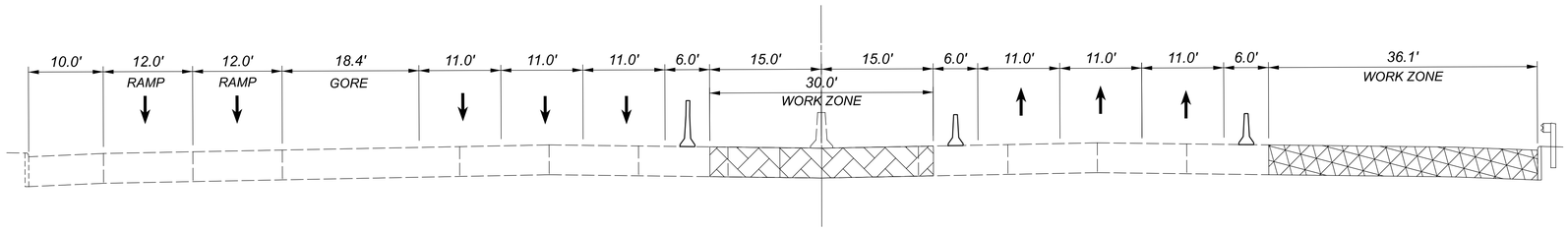
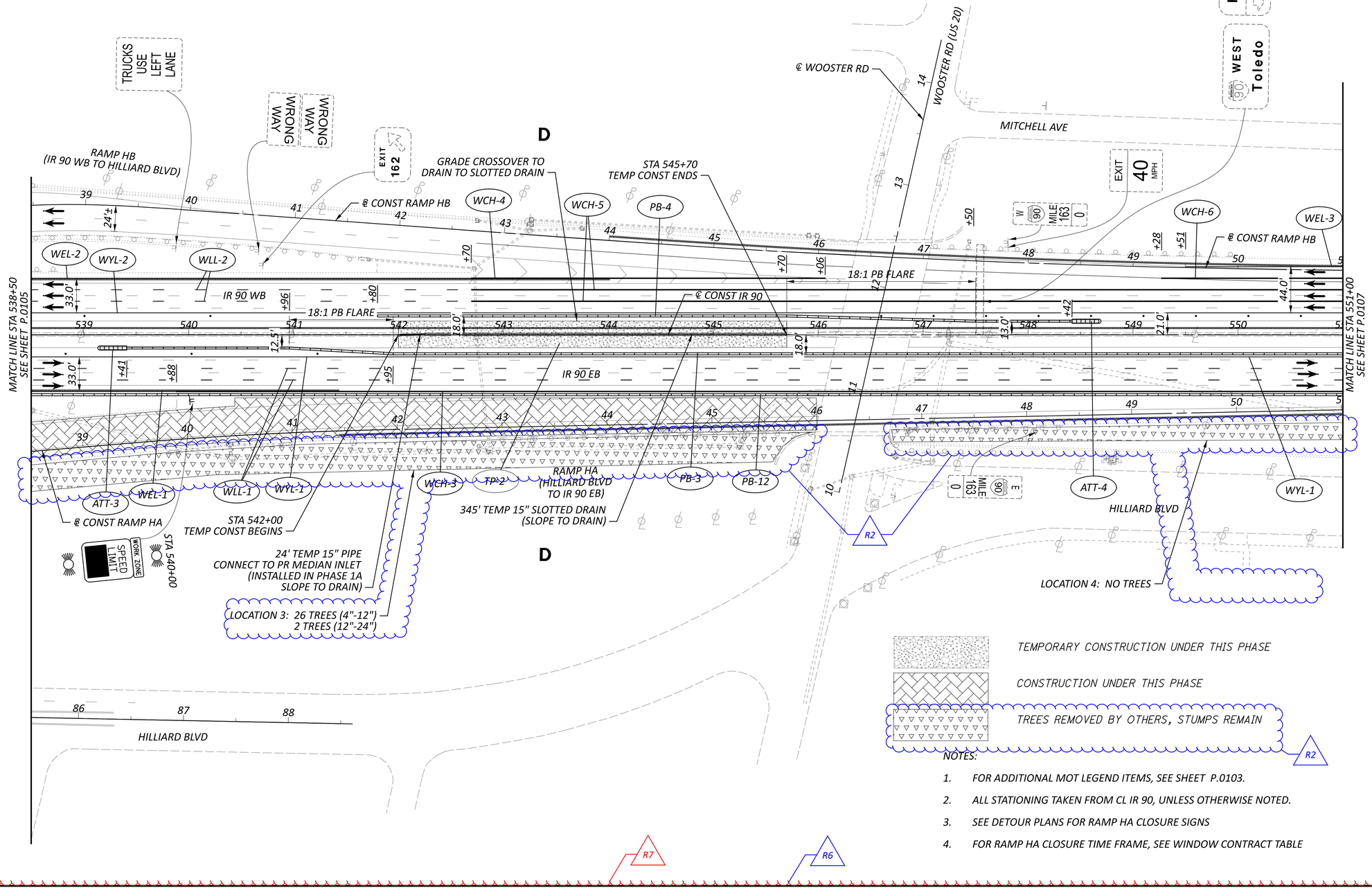


PHASE 1 STEP A - SECTION D-D
STA 543+10



TEMPORARY CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER THIS PHASE

TREES REMOVED BY OTHERS, STUMPS REMAIN

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP HA CLOSURE SIGNS
4. FOR RAMP HA CLOSURE TIME FRAME, SEE WINDOW CONTRACT TABLE

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 538+50 TO STA 551+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0106 TOTAL P.1587

CUY-90-6.69

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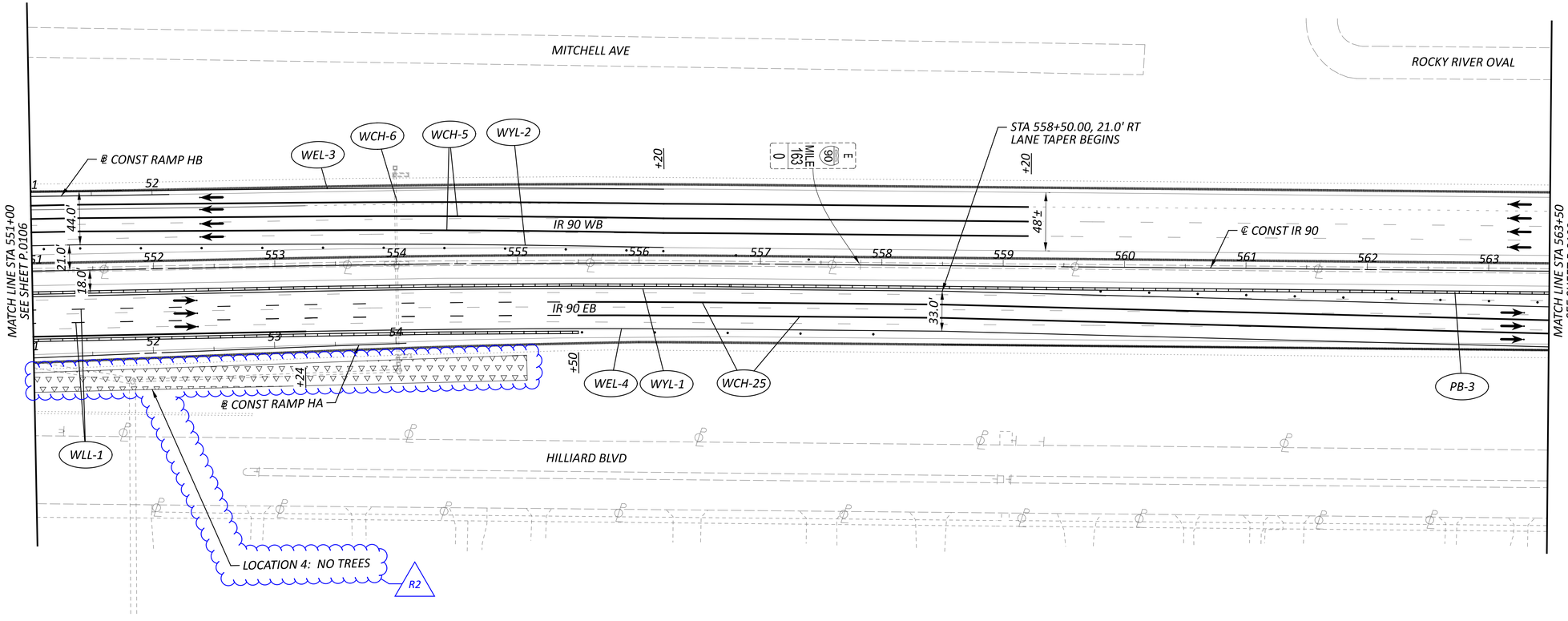

TEMPORARY CONSTRUCTION UNDER THIS PHASE

TREES REMOVED BY OTHERS, STUMPS REMAIN

R2

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R7 R6

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 551+00 TO STA 563+50

DESIGN AGENCY
AMERICOM STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0107 TOTAL P.1587

CUY-90-6.69

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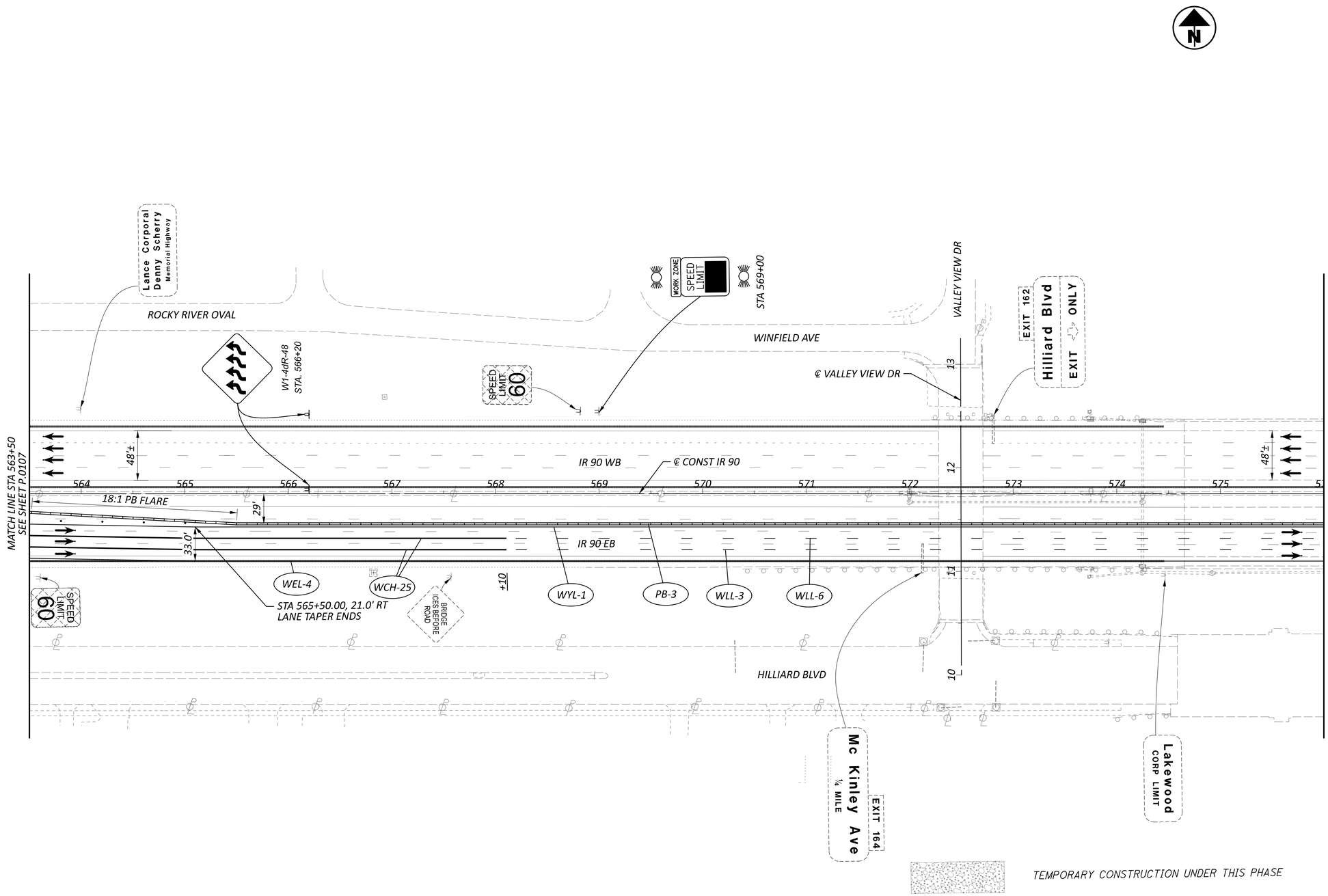
MAINTENANCE OF TRAFFIC PHASE 1A
STA 563+50 TO STA 576+00

HORIZONTAL SCALE IN FEET
0 25 50 100



TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R7 R6

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	CSC
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0108
TOTAL	P.1587

CUY-90-6.69

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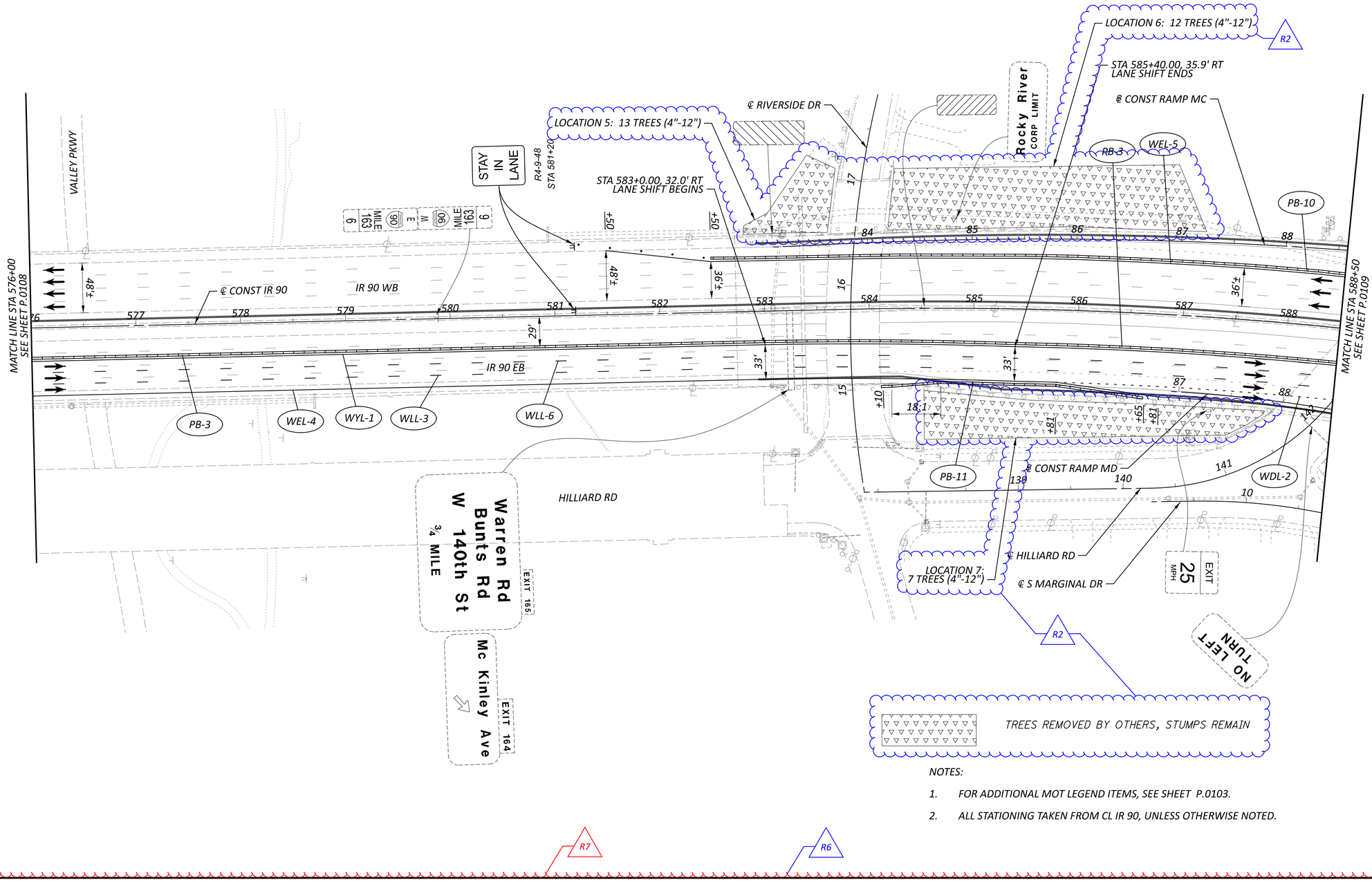

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 576+00 TO STA 588+50

CUY-90-6.69

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0108A TOTAL P.1587

MODEL: MOT Plan Sheets - Plan 07 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/4/2025 TIME: 10:30:46 AM USER: jday
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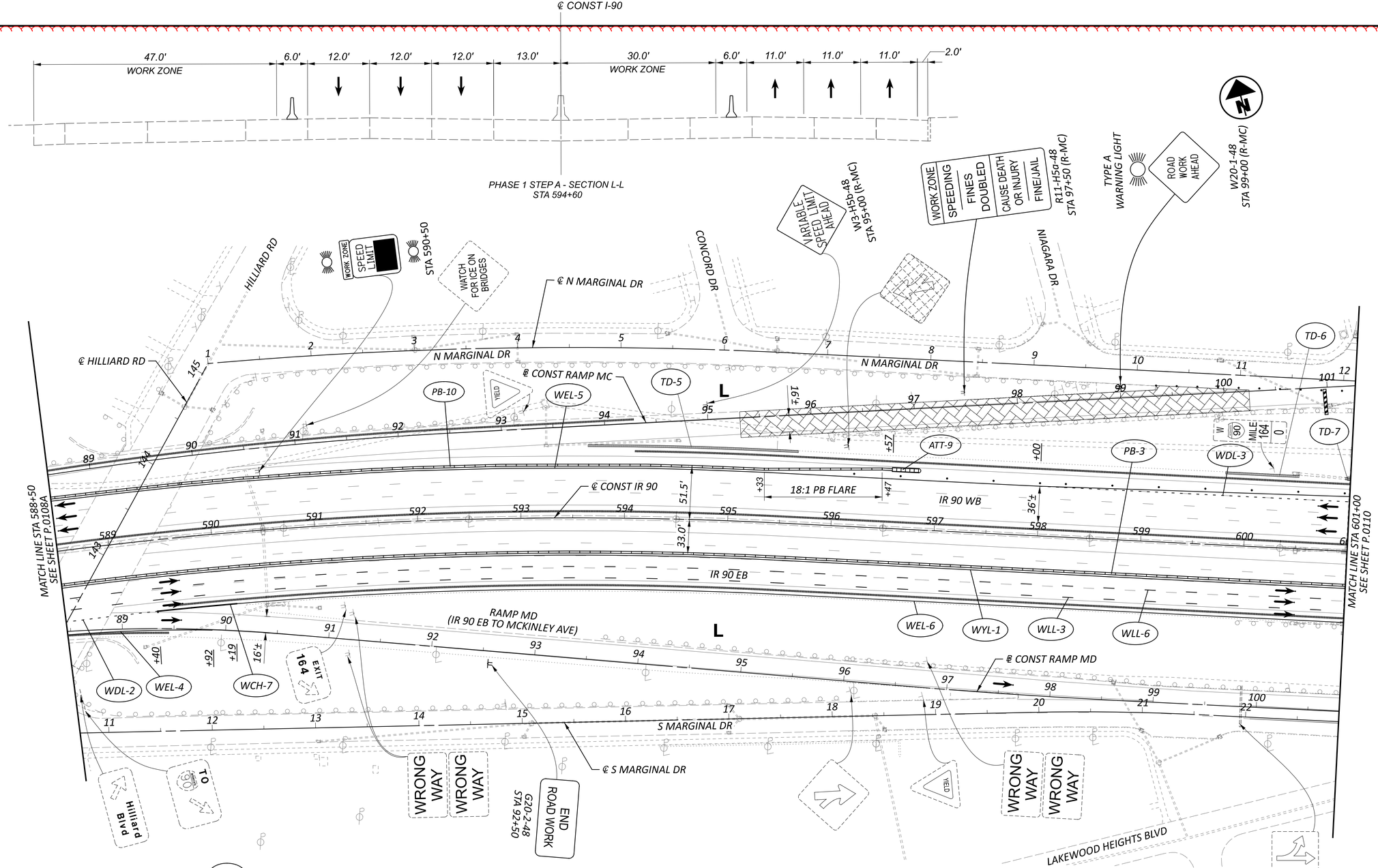

TD-5 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 204'
BEGIN STA 593+65
END STA 595+65

TD-6 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 71'
BEGIN STA 599+79
END STA 600+50

TD-7 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 5'
BEGIN STA 600+95
END STA 601+00

TEMPORARY CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP MC CLOSURE SIGNS
4. FOR RAMP MC CLOSURE TIME FRAME, SEE WINDOW CONTRACT TABLE

MAINTENANCE OF TRAFFIC PHASE 1A
STA 588+50 TO STA 601+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0109 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 08 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:30:48 AM USER: jdav
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MAINTENANCE OF TRAFFIC PHASE 1A
STA 601+00 TO STA 613+50

HORIZONTAL SCALE IN FEET
0 25 50 100

MATCH LINE STA 601+00 SEE SHEET P.0109

MATCH LINE STA 613+50 SEE SHEET P.0111

℄ MCKINLEY AVE

℄ N MARGINAL DR

N MARGINAL DR

DELAWARE AVE

ATKINS AVE

EXIT 162 Rocky River EXIT ONLY

ONLY

ONLY

WEST 90 EXIT CLOSED Toledo

WEST 90 EXIT CLOSED

WEST 90 EXIT CLOSED

WRONG WAY

WRONG WAY

WRONG WAY

WRONG WAY

YIELD

W4-2R-48 STA 610+75

END ROAD WORK

G20-2-48 STA 611+00

EXIT 164

W 90 MILE 164 2

E 90 MILE 164 2

WEL-5

TP-9

WDL-3

PB-3

PB-6

WEL-6

WYL-1

WLL-6

WLL-3

WCH-8

WDL-4

STA 604+95

+00

RAMP MF (IR 90 WB TO MCKINLEY AVE)

℄ CONST RAMP MF

IR 90 WB

℄ CONST IR 90

IR 90 EB

RAMP ME (MCKINLEY AVE TO IR 90 EB)

℄ CONST RAMP ME

℄ S MARGINAL DR

S MARGINAL DR

SENECA AVE

MCKINLEY AVE

ATKINS AVE

16'±

48'±

33'

33'

24'

69'

40'

SAFETY PATROL COVERAGE AREA

TO WEST 90

Warren Rd
Bunts Rd
W 140th St
½ MILE
EXT 165

EAST 90 Cleveland

EAST 90 Cleveland

ROAD WORK AHEAD
W20-1-48 STA 4+00 (R ME)

TYPE A WARNING LIGHT

WORK ZONE SPEEDING FINES DOUBLED CAUSE DEATH OR INJURY FINE/JAIL
R11-H5a-24 STA 6+00 (R ME)

VARIABLE SPEED LIMIT AHEAD
W3-H5b-48 STA 8+00 (R-ME)

R7

R6

TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP MC CLOSURE SIGNS

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0110 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 09 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:30:51 AM USER: jday
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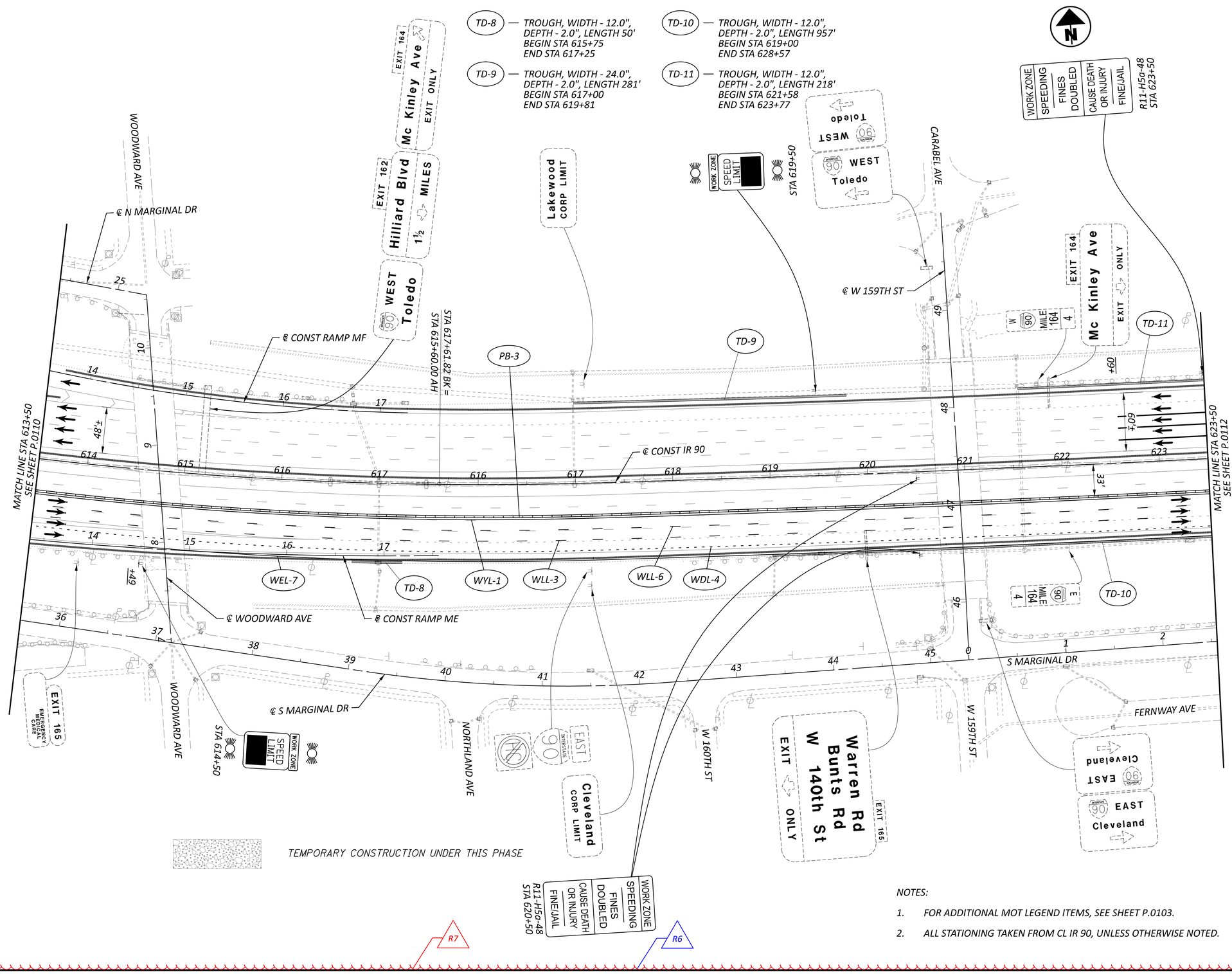
TD-8 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 50'
BEGIN STA 615+75
END STA 617+25

TD-9 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 281'
BEGIN STA 617+00
END STA 619+81

TD-10 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 957'
BEGIN STA 619+00
END STA 628+57

TD-11 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 218'
BEGIN STA 621+58
END STA 623+77



TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 613+50 TO STA 623+50

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	CSC
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0111
TOTAL	P.1587

CUY-90-9.99

MODEL: S1P1 - Plan 10 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:30:53 AM USER: jday
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TD-10 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 957' BEGIN STA 619+00 END STA 628+57

TD-11 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 218' BEGIN STA 621+58 END STA 623+77

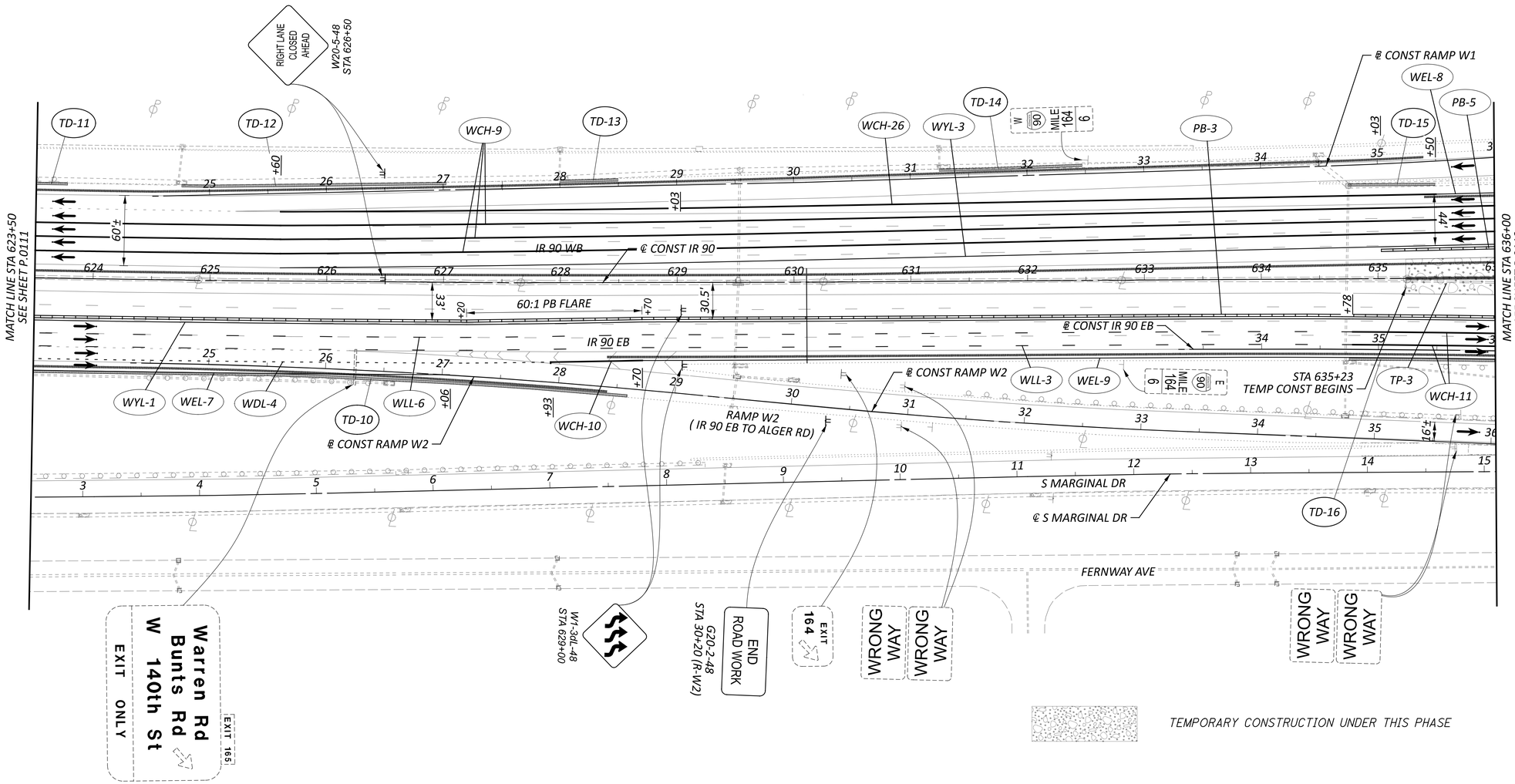
TD-12 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 226' BEGIN STA 624+75 END STA 627+02

TD-13 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 49' BEGIN STA 628+00 END STA 628+49

TD-14 — TROUGH, WIDTH - 48.0", DEPTH - 2.0", LENGTH 122' BEGIN STA 631+25 END STA 632+47

TD-15 — TROUGH, WIDTH - 48.0", DEPTH - 2.0", LENGTH 74' BEGIN STA 634+50 END STA 635+49

TD-16 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 271' BEGIN STA 634+75 END STA 637+46



TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R7

R6

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A
STA 623+50 TO STA 636+00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0112 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:30:54 AM USER: jday
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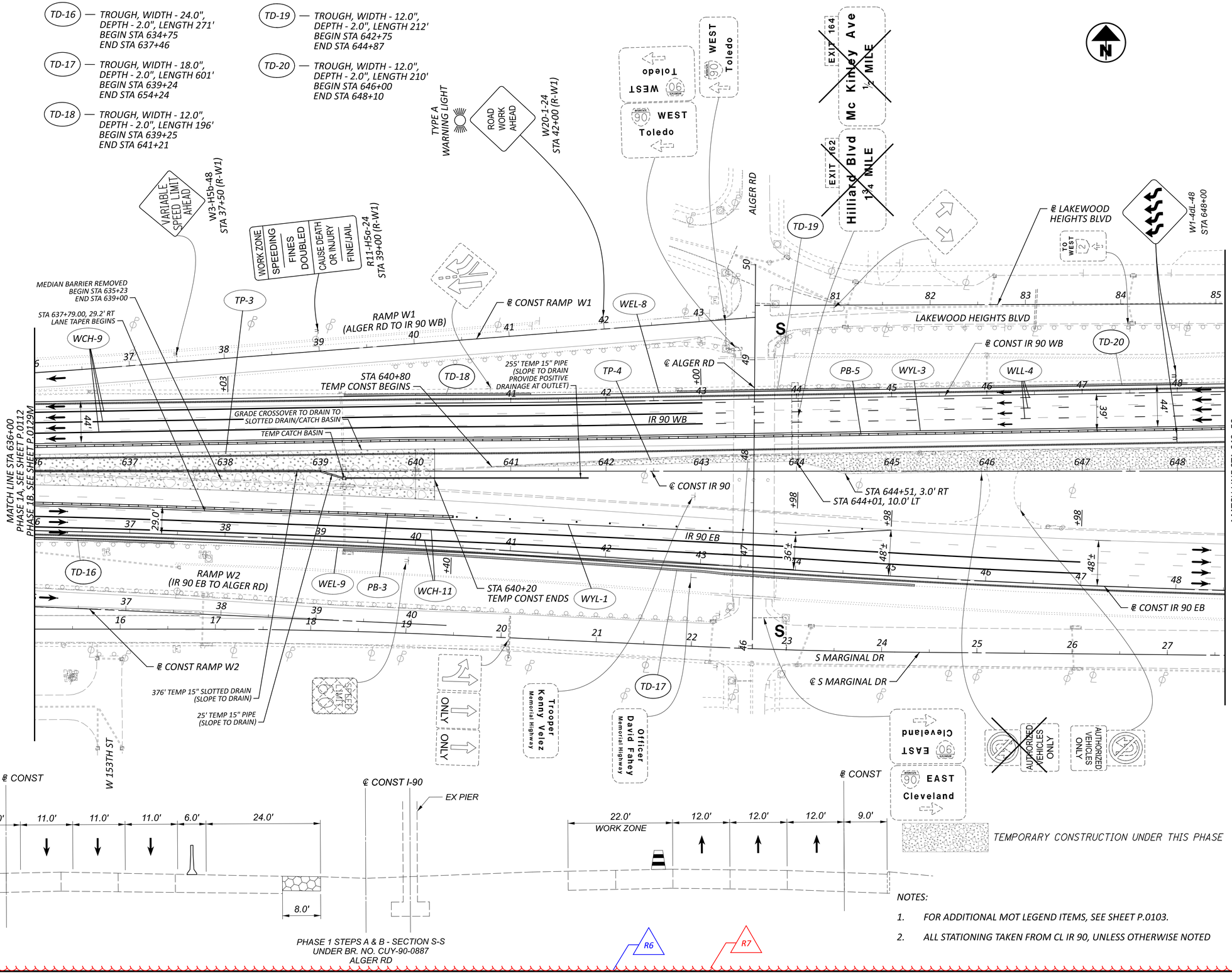
TD-16 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 271' BEGIN STA 634+75 END STA 637+46

TD-17 — TROUGH, WIDTH - 18.0", DEPTH - 2.0", LENGTH 601' BEGIN STA 639+24 END STA 654+24

TD-18 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 196' BEGIN STA 639+25 END STA 641+21

TD-19 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 212' BEGIN STA 642+75 END STA 644+87

TD-20 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 210' BEGIN STA 646+00 END STA 648+10



PHASE 1 STEPS A & B - SECTION S-S
UNDER BR. NO. CUY-90-0887
ALGER RD

R6 R7

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 636+00 TO STA 648+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0113 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 12 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:30:56 AM USER: jday
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TD-21 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 181' BEGIN STA 649+25 END STA 651+06

TD-22 — TROUGH, WIDTH - 18.0", DEPTH - 2.0", LENGTH 376' BEGIN STA 649+27 END STA 653+03

TD-23 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 205' BEGIN STA 652+00 END STA 654+05

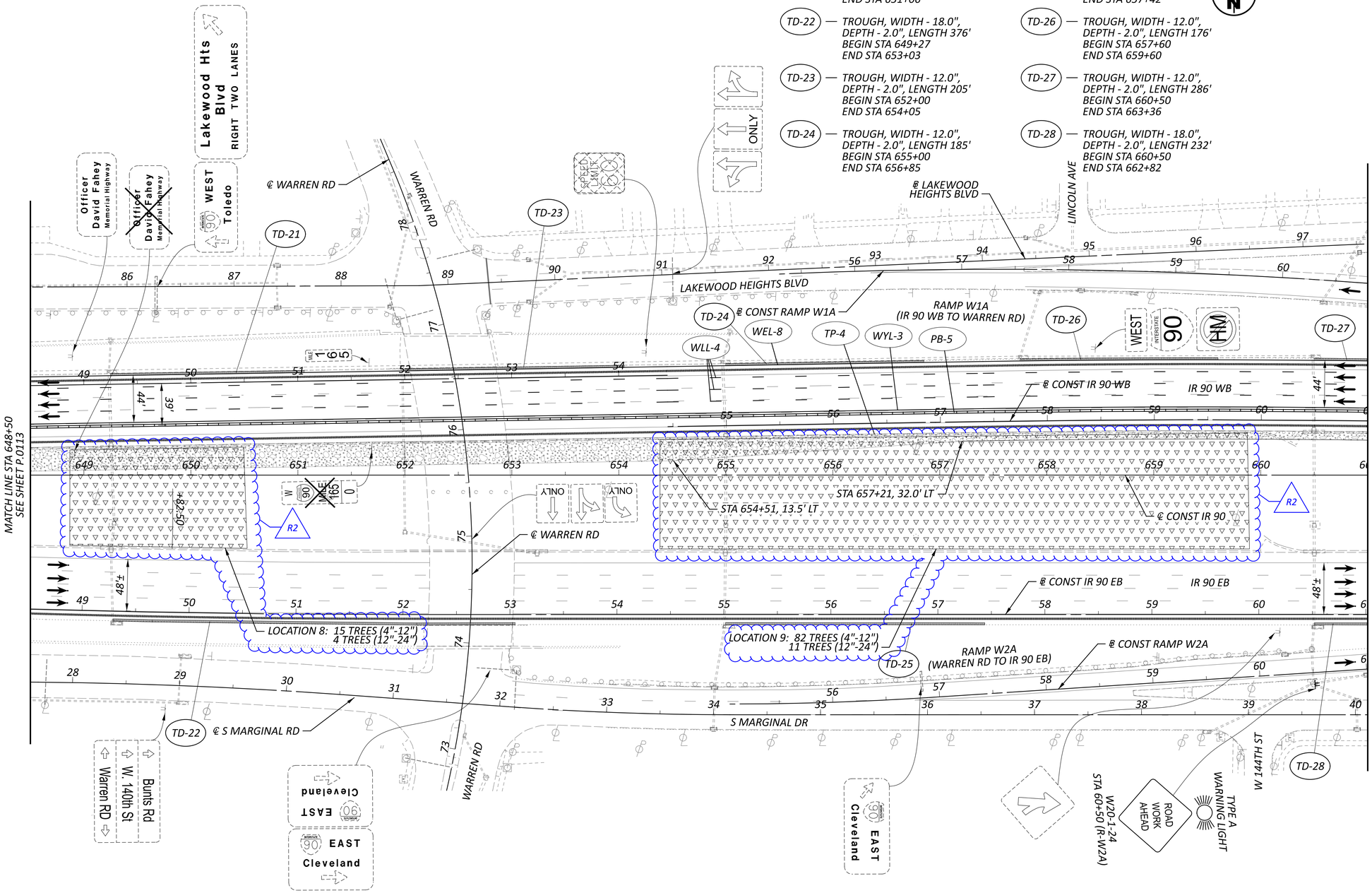
TD-24 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 185' BEGIN STA 655+00 END STA 656+85

TD-25 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 242' BEGIN STA 655+00 END STA 657+42

TD-26 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 176' BEGIN STA 657+60 END STA 659+60

TD-27 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 286' BEGIN STA 660+50 END STA 663+36

TD-28 — TROUGH, WIDTH - 18.0", DEPTH - 2.0", LENGTH 232' BEGIN STA 660+50 END STA 662+82



TEMPORARY CONSTRUCTION UNDER THIS PHASE

TREES REMOVED BY OTHERS, STUMPS REMAIN

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 648+50 TO STA 661+00

DESIGN AGENCY: STRUCTUREPOINT

DESIGNER: CSC

REVIEWER: VDK 08/09/23

PROJECT ID: 76779

SHEET P.0114 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:30:59 AM USER: jday
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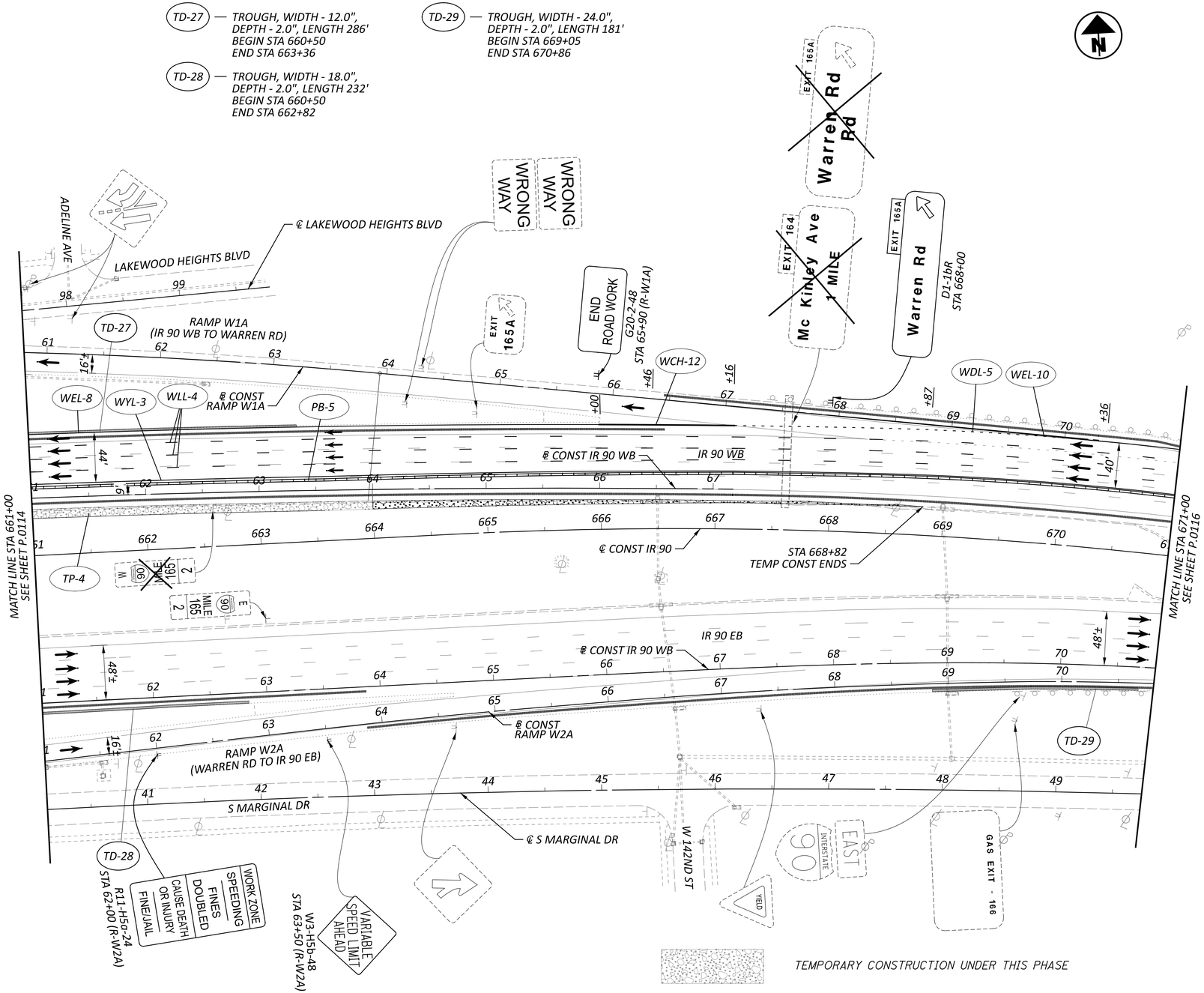
TD-27 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 286' BEGIN STA 660+50 END STA 663+36

TD-28 — TROUGH, WIDTH - 18.0", DEPTH - 2.0", LENGTH 232' BEGIN STA 660+50 END STA 662+82

TD-29 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 181' BEGIN STA 669+05 END STA 670+86



TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6 R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 661+00 TO STA 671+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0115 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 14 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:01 AM USER: jdav
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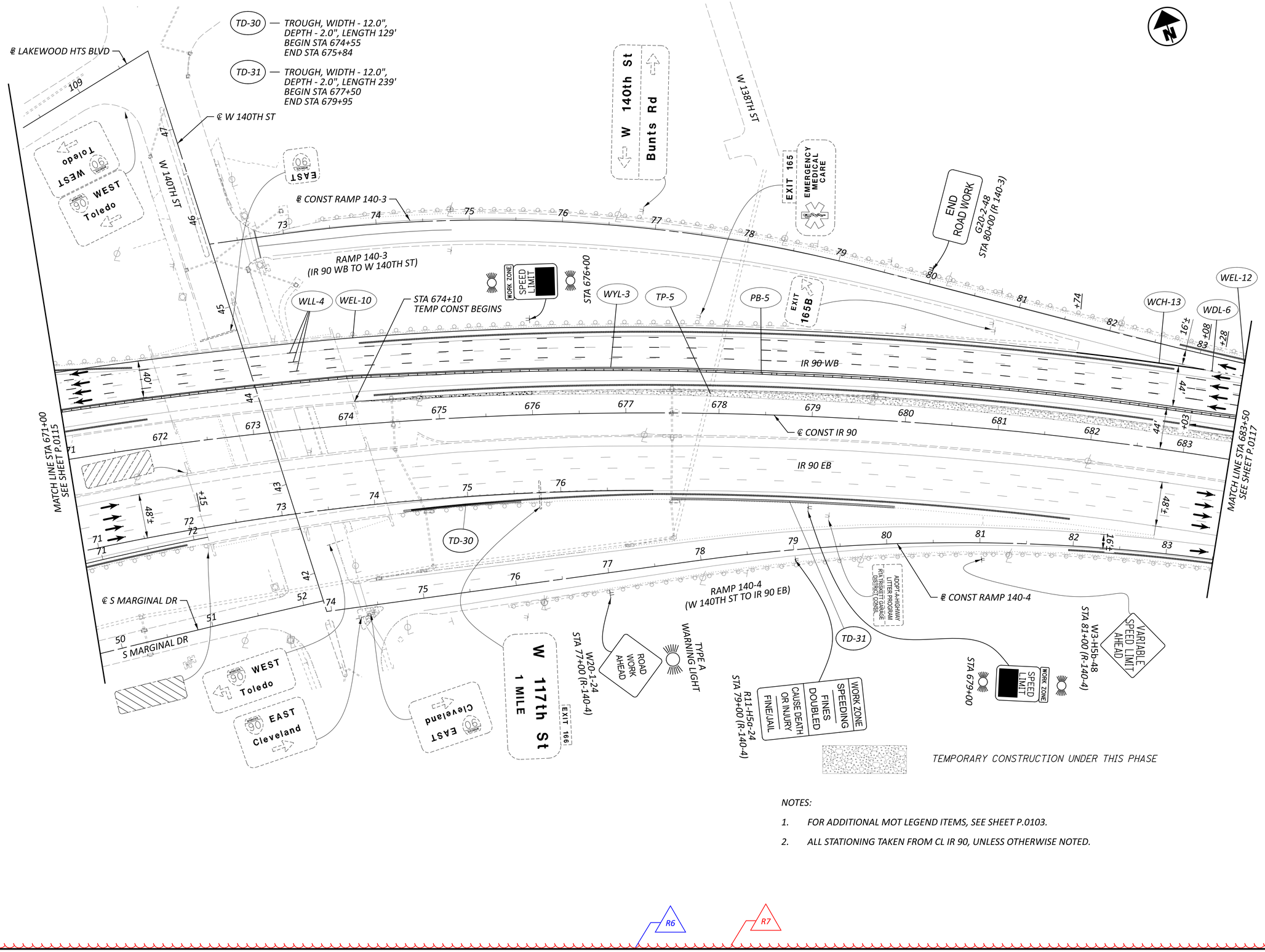

NOTES:

1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 671+00 TO STA 683+50

CUY-90-6.69

MODEL: S1P1 - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:02 AM USER: jdav
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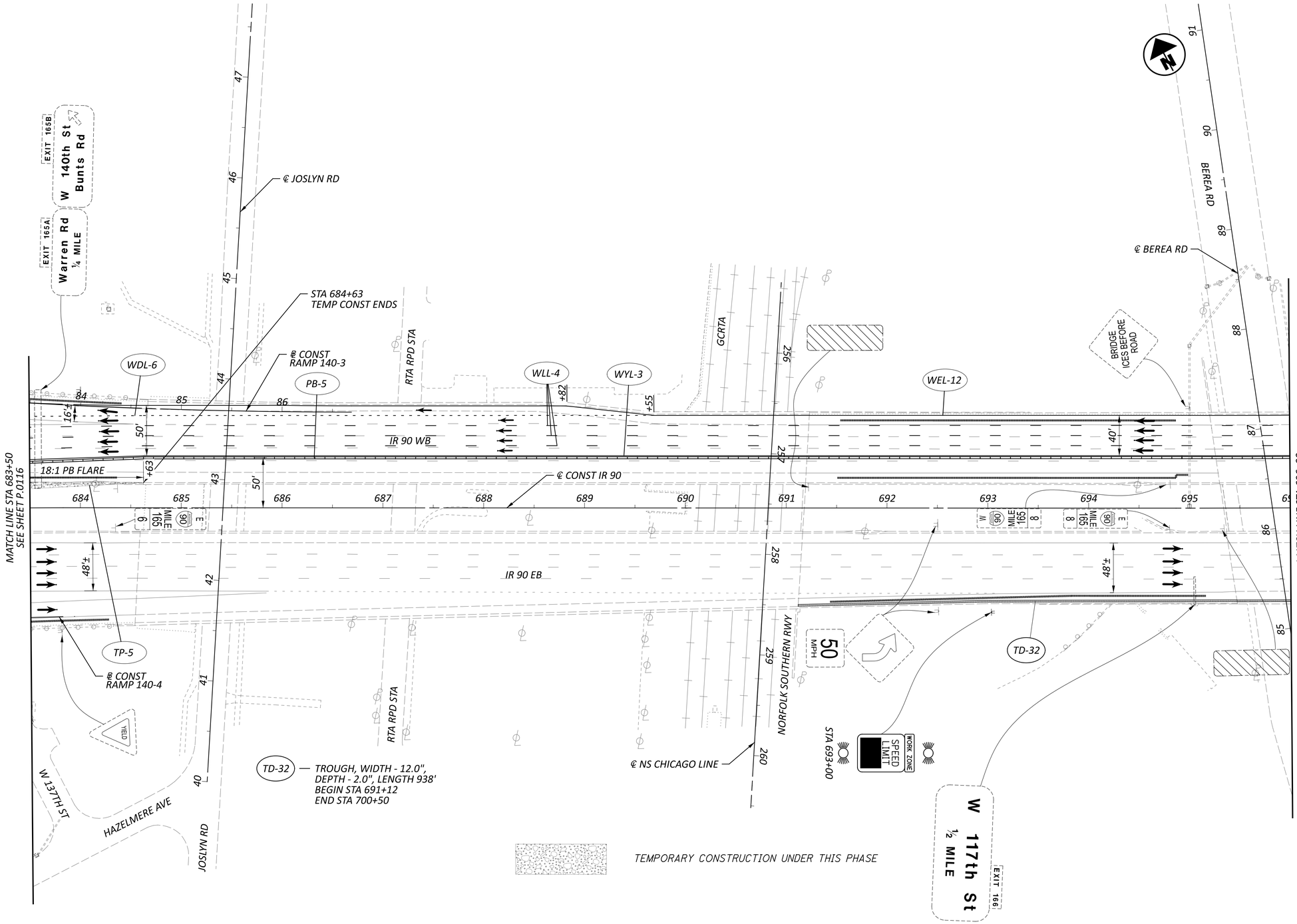
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0116 TOTAL P.1587



NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6 R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 683+50 TO STA 696+00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0117 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:04 AM USER: jday
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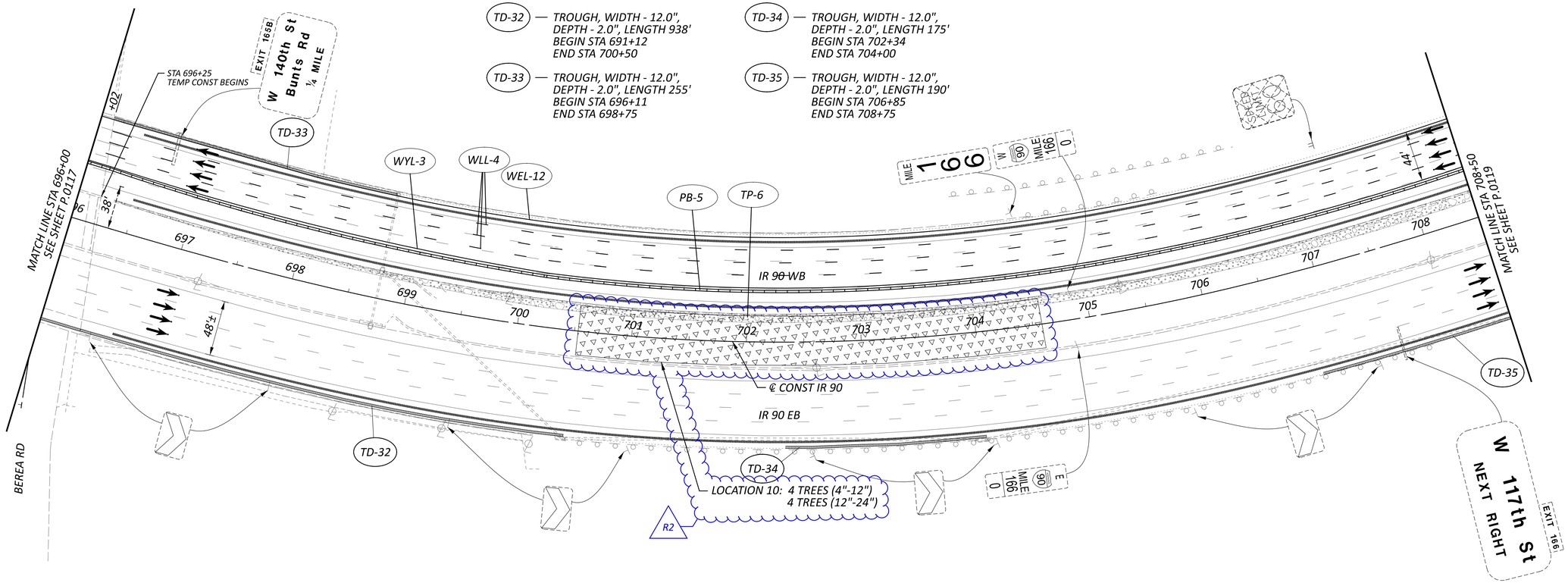

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 696+00 TO STA 708+50

CUY-90-6.69

MODEL: S1P1 - Plan 17 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:06 AM USER: jday
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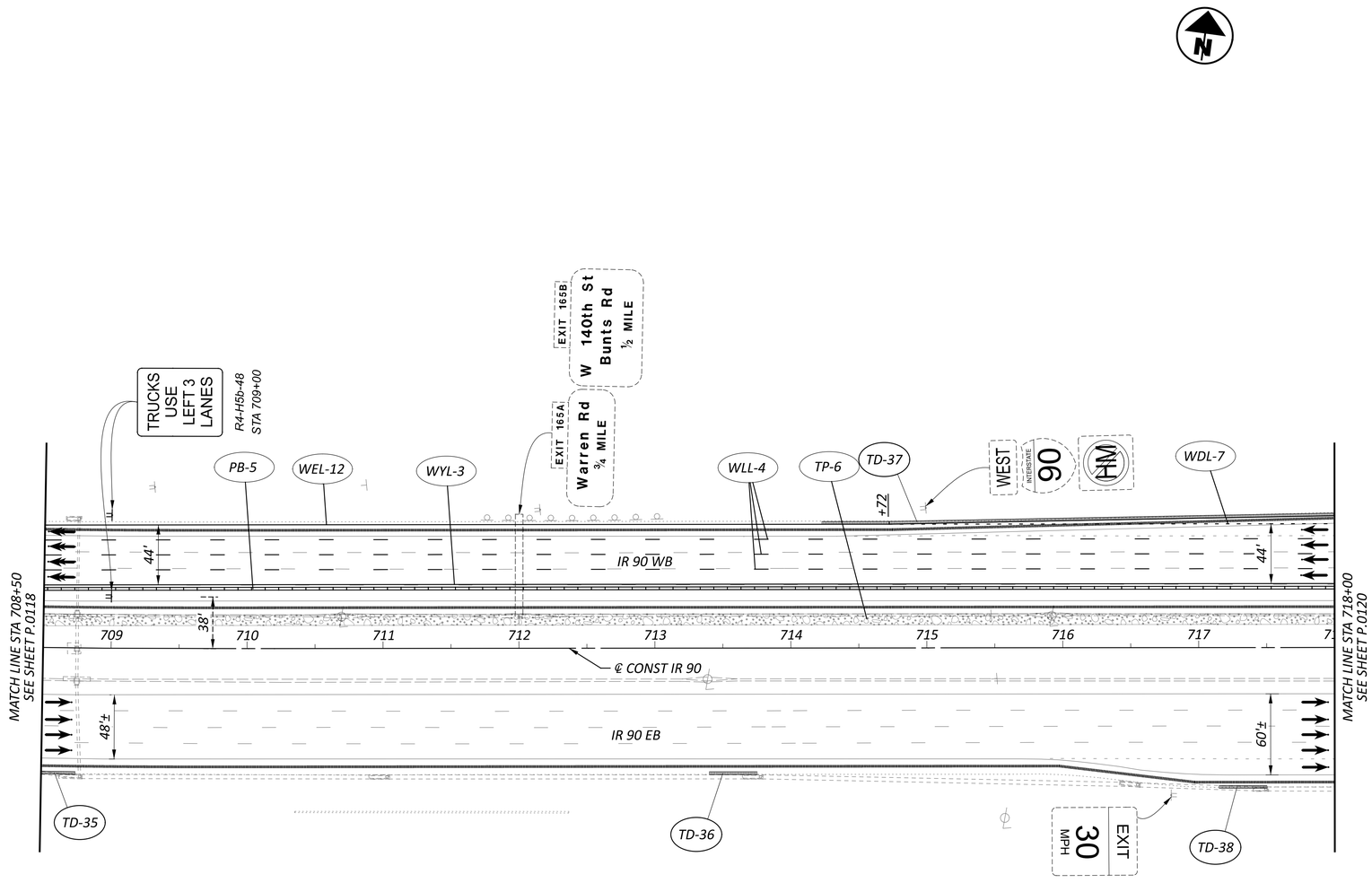
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0118 TOTAL P.1587



TD-35 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 190'
BEGIN STA 706+85
END STA 708+75

TD-36 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 35'
BEGIN STA 713+40
END STA 713+75

TD-37 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 452'
BEGIN STA 714+23
END STA 718+75

TD-38 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 35'
BEGIN STA 717+15
END STA 717+50

TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 708+50 TO STA 718+00

DESIGN AGENCY
STRUCTUREPOINT INC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0119 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 18 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:08 AM USER: jday
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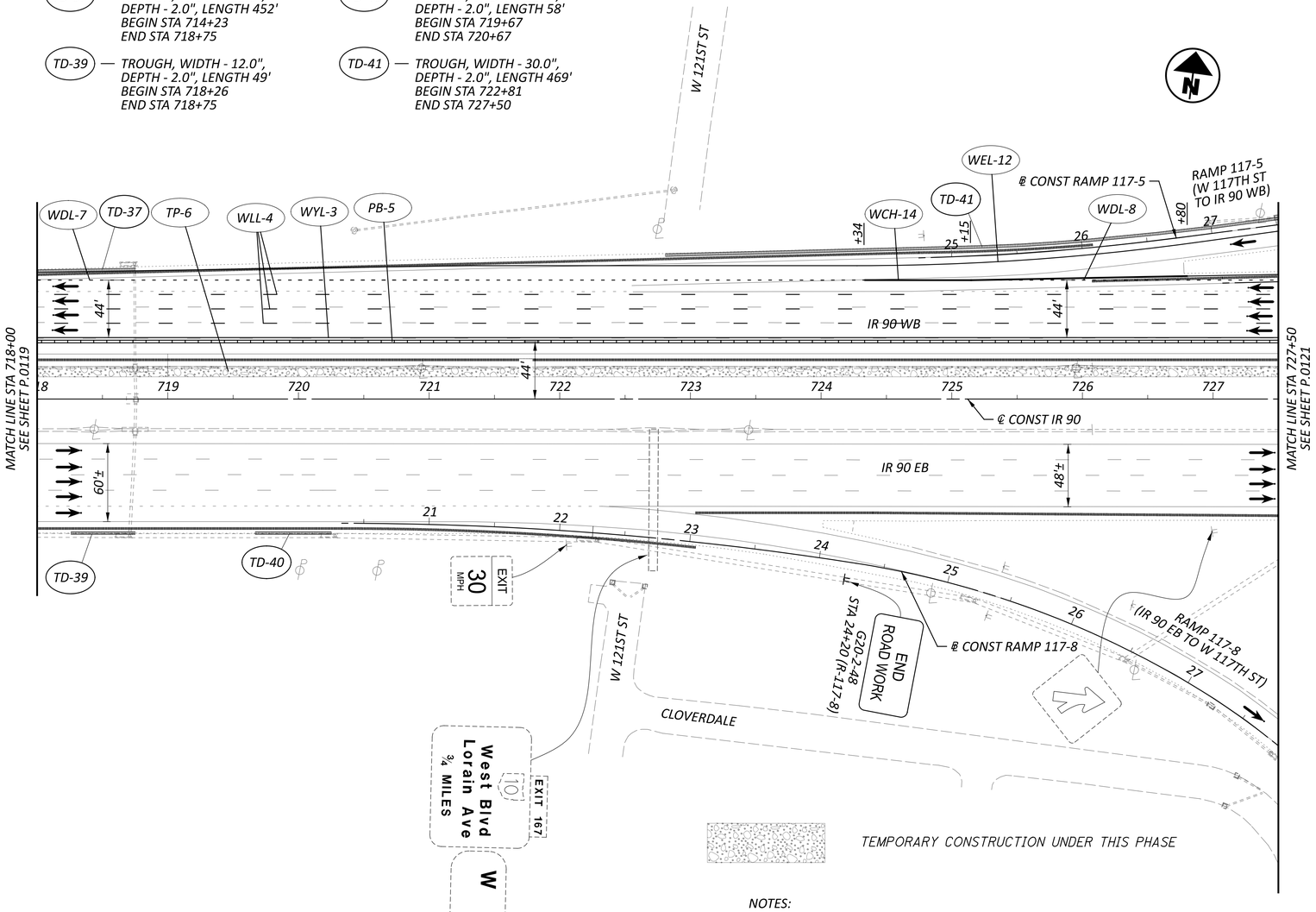
TD-37 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 452'
BEGIN STA 714+23
END STA 718+75

TD-39 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 49'
BEGIN STA 718+26
END STA 718+75

TD-40 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 58'
BEGIN STA 719+67
END STA 720+67

TD-41 — TROUGH, WIDTH - 30.0", DEPTH - 2.0", LENGTH 469'
BEGIN STA 722+81
END STA 727+50



NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. FOR CROSSOVER CONSTRUCTION, SEE SHEETS 143 AND 218 FOR PROFILE ELEVATIONS

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 718+00 TO STA 727+50

DESIGN AGENCY
STRUCTUREPOINT INC

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0120 | TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:10 AM USER: jday
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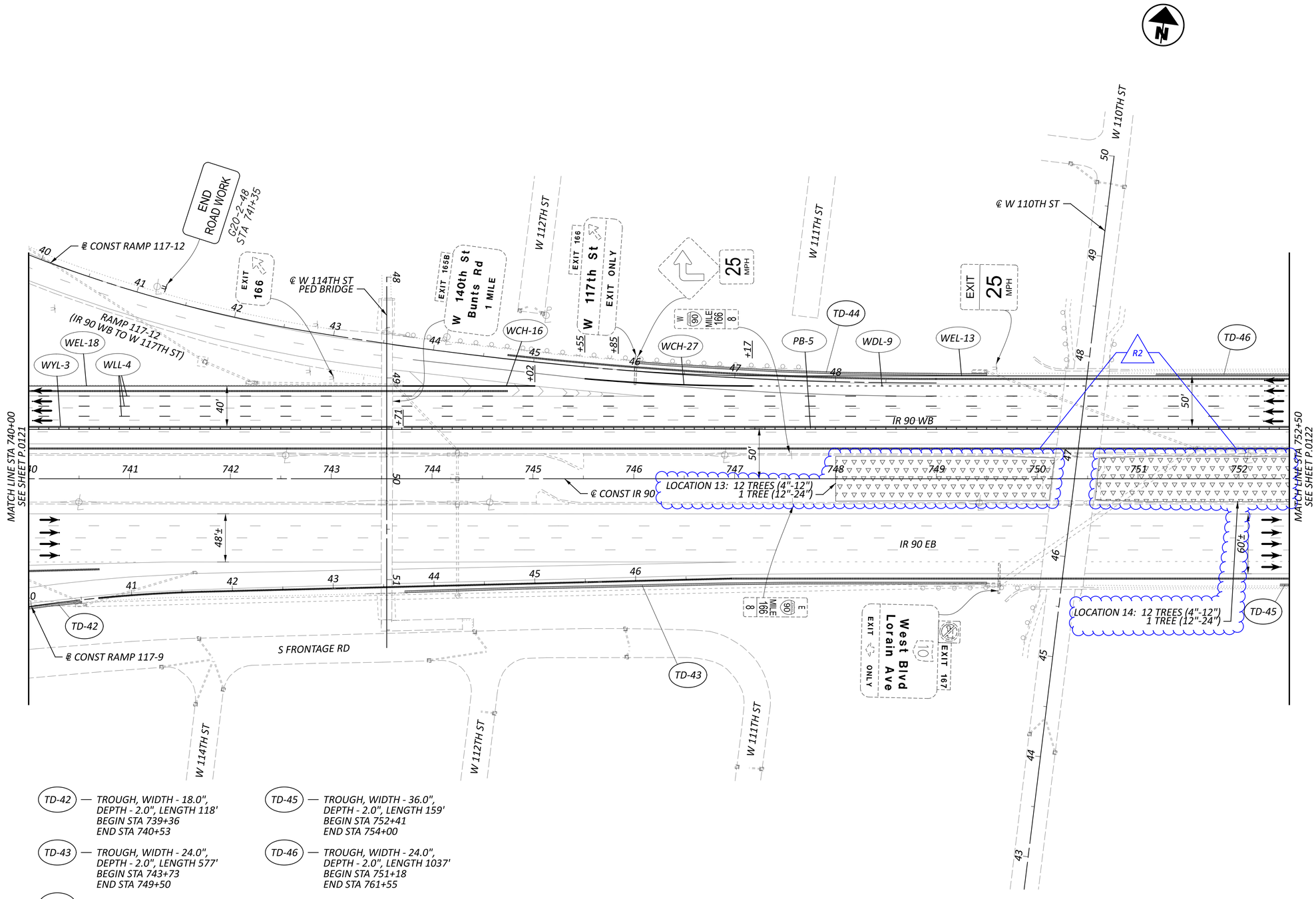
MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 727+50 TO STA 740+00

HORIZONTAL SCALE IN FEET
0 25 50 100

RAMP 117-12 (IR 90 WB TO W 117TH ST)
RAMP 117-11 (W 117TH ST TO IR 90 WB)
RAMP 117-5 (W 117TH ST TO IR 90 WB)
RAMP 117-8 (IR 90 EB TO W 117TH ST)
RAMP 117-7 (W 117TH ST TO IR 90 EB)
RAMP 117-9 (W 117TH ST to IR 90 EB)
IR 90 WB
IR 90 EB
℄ CONST IR 90
℄ W 117TH ST
℄ CONST RAMP 117-5
℄ CONST RAMP 117-7
℄ CONST RAMP 117-8
℄ CONST RAMP 117-9
℄ CONST RAMP 117-11
℄ CONST RAMP 117-12
W 117TH ST
STA 732+40 TEMP CONST ENDS
MATCH LINE STA 727+50 SEE SHEET P.0120
MATCH LINE STA 740+00 SEE SHEET P.0121A
LOCATION 11: 4 TREES (4"-12")
LOCATION 12: 2 TREES (4"-12")
WEL-12
WYL-3
TP-6
PB-5
WLL-4
WDL-8
WCH-15
WEL-18
R2
R7
R6
TD-42
STA 736+50
STA 38+00 (R-117-11)
R11-H5a-24
STA 31+00 (R-117-5)
W20-1-24
STA 33+00 (R-117-5)
W3-H5b-48
STA 29+00 (R-117-5)
W20-1-24
STA 40+00 (R-117-11)
W3-H5b-48
STA 36+50 (R-117-11)
R11-H5a-24
STA 36+00 (R 117-9)
R2-1-48
STA 735+00
W20-1-48
STA 34+00 (R 117-9)
R11-H5a-24
STA 28+50 (R117-7)
W3-H5b
STA 26+50 (R 117-7)
W20-1-48
STA 24+50 (R 117-7)
R11-H5a-24
STA 32+00 (R-117-5)
W3-H5b-48
STA 27+00 (R-117-5)
W20-1-24
STA 37+00 (R-117-5)
W3-H5b-48
STA 34+00 (R-117-5)
W20-1-24
STA 39+00 (R-117-5)
W3-H5b-48
STA 31+00 (R-117-5)
W20-1-24
STA 41+00 (R-117-5)
W3-H5b-48
STA 38+00 (R-117-5)
W20-1-24
STA 43+00 (R-117-5)
W3-H5b-48
STA 40+00 (R-117-5)
W20-1-24
STA 42+00 (R-117-5)
W3-H5b-48
STA 43+00 (R-117-5)
W20-1-24
STA 44+00 (R-117-5)
W3-H5b-48
STA 41+00 (R-117-5)
W20-1-24
STA 45+00 (R-117-5)
W3-H5b-48
STA 42+00 (R-117-5)
W20-1-24
STA 46+00 (R-117-5)
W3-H5b-48
STA 43+00 (R-117-5)
W20-1-24
STA 47+00 (R-117-5)
W3-H5b-48
STA 44+00 (R-117-5)
W20-1-24
STA 48+00 (R-117-5)
W3-H5b-48
STA 45+00 (R-117-5)
W20-1-24
STA



TD-42 — TROUGH, WIDTH - 18.0", DEPTH - 2.0", LENGTH 118'
BEGIN STA 739+36
END STA 740+53

TD-43 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 577'
BEGIN STA 743+73
END STA 749+50

TD-44 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 347'
BEGIN STA 746+03
END STA 749+50

TD-45 — TROUGH, WIDTH - 36.0", DEPTH - 2.0", LENGTH 159'
BEGIN STA 752+41
END STA 754+00

TD-46 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 1037'
BEGIN STA 751+18
END STA 761+55

TREES REMOVED BY OTHERS, STUMPS REMAIN

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 740+00 TO STA 752+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0121A TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 2[Sheet] PAPERSIZE: 34x22 (in) DATE: 4/14/2025 TIME: 10:3:14 AM USER: jday
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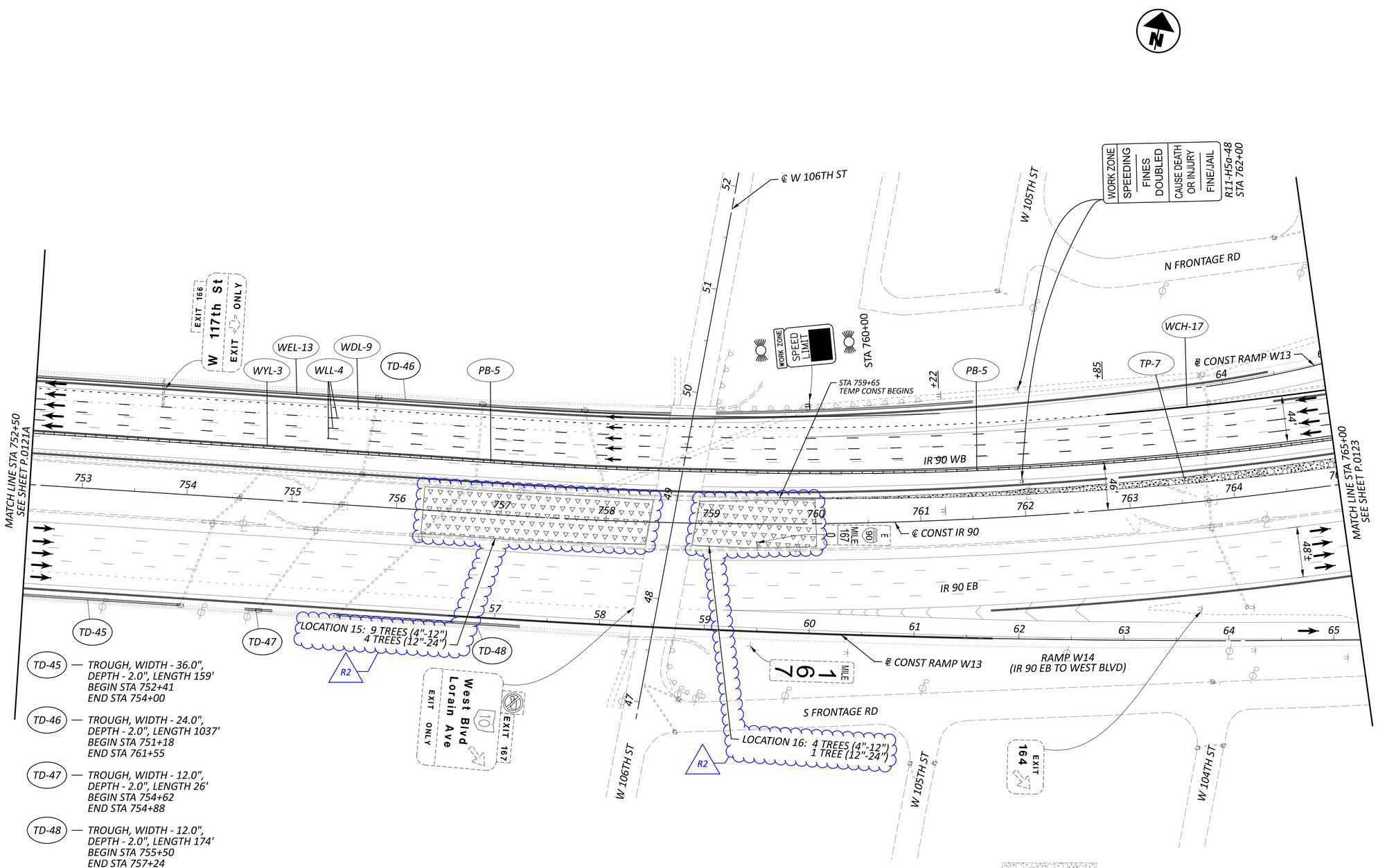

TD-45 — TROUGH, WIDTH - 36.0", DEPTH - 2.0", LENGTH 159'
BEGIN STA 752+41
END STA 754+00

TD-46 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 1037'
BEGIN STA 751+18
END STA 761+55

TD-47 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 26'
BEGIN STA 754+62
END STA 754+88

TD-48 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 174'
BEGIN STA 755+50
END STA 757+24

TEMPORARY CONSTRUCTION UNDER THIS PHASE

TREES REMOVED BY OTHERS, STUMPS REMAIN

R2

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 752+50 TO STA 765+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0122 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 22 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:15 AM USER: jday
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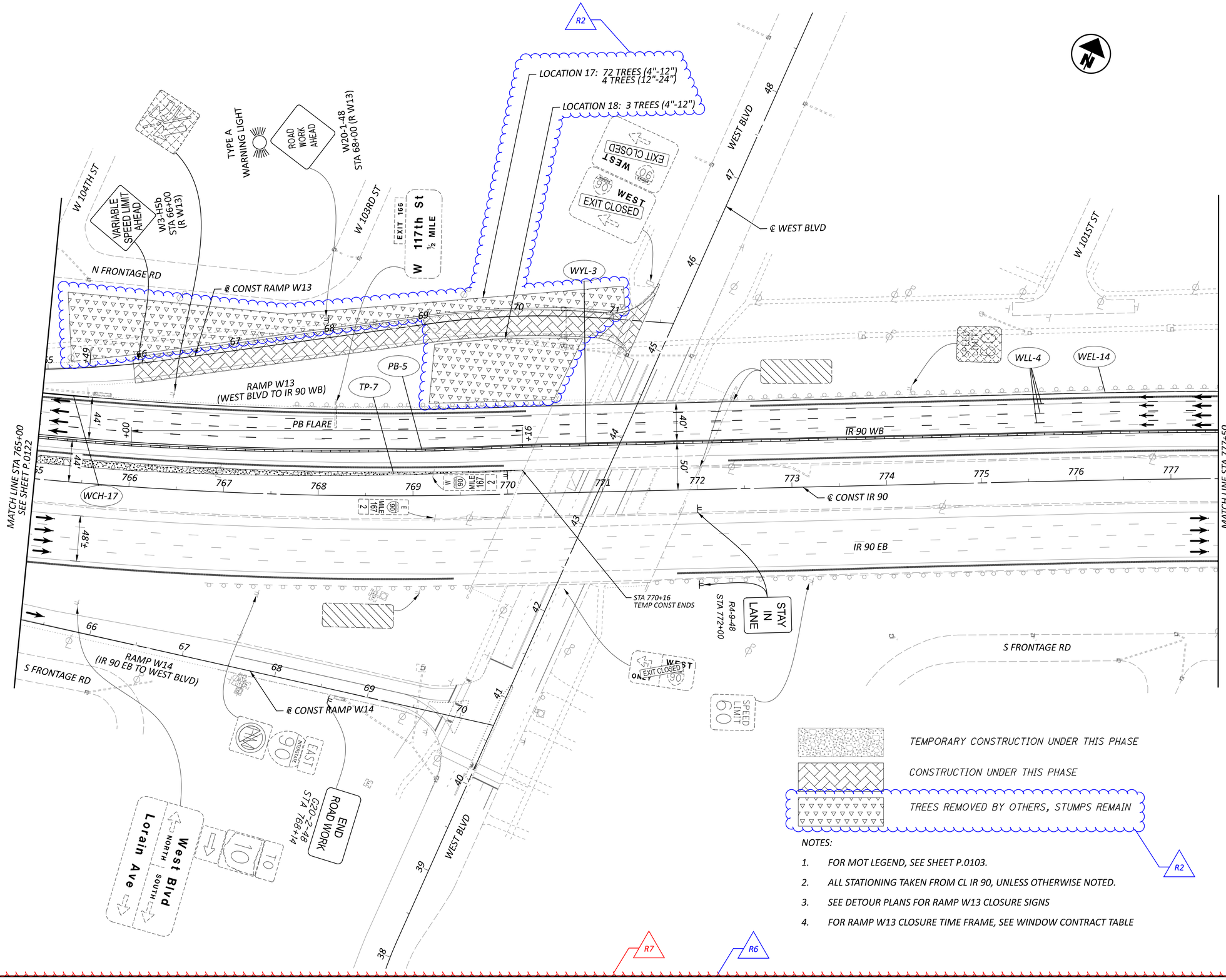

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 765+00 TO STA 777+50

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0123 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 23 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:17 AM USER: jday
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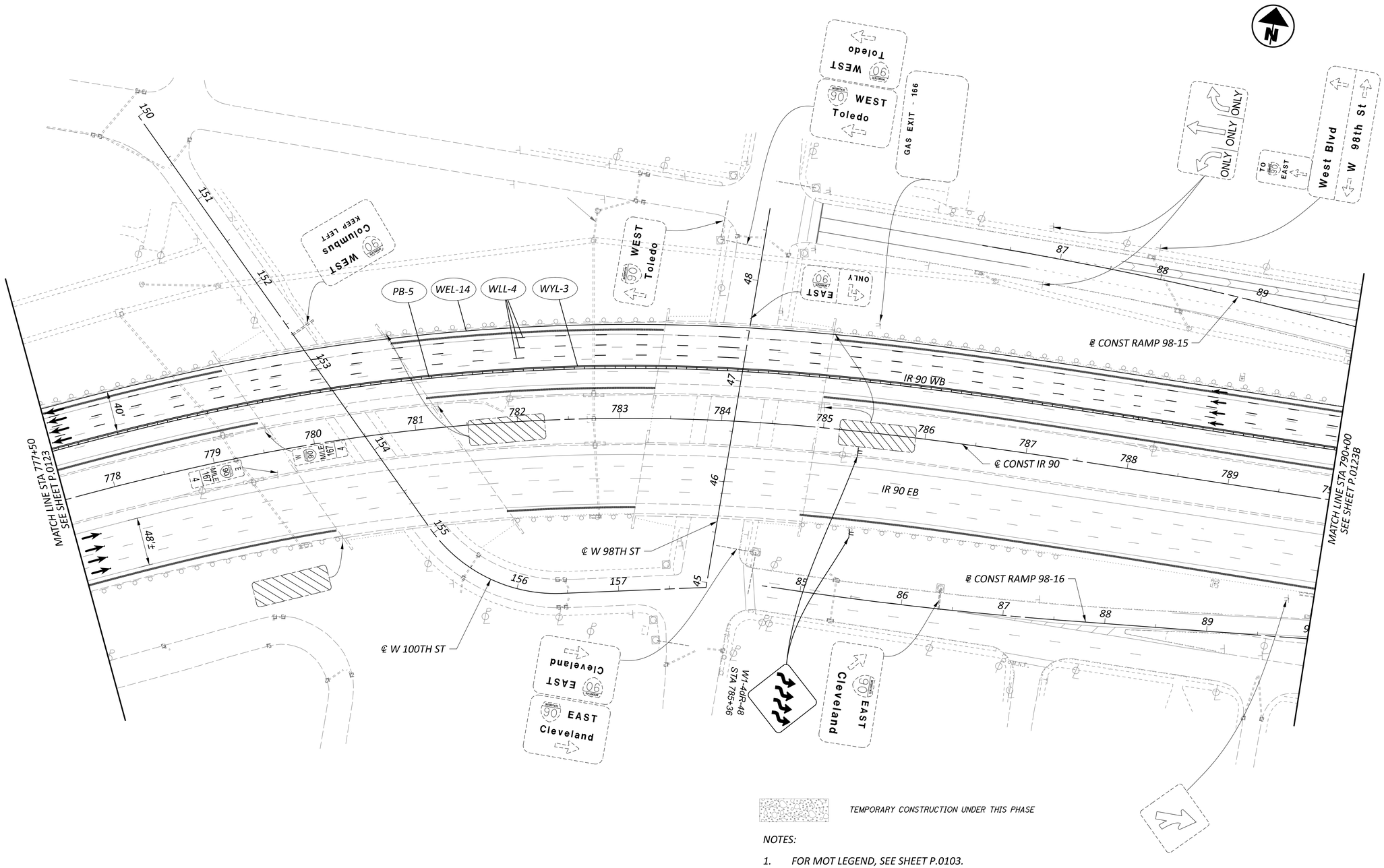

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 777+50 TO STA 790+00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0123A | TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 24 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:3:19 AM USER: jday
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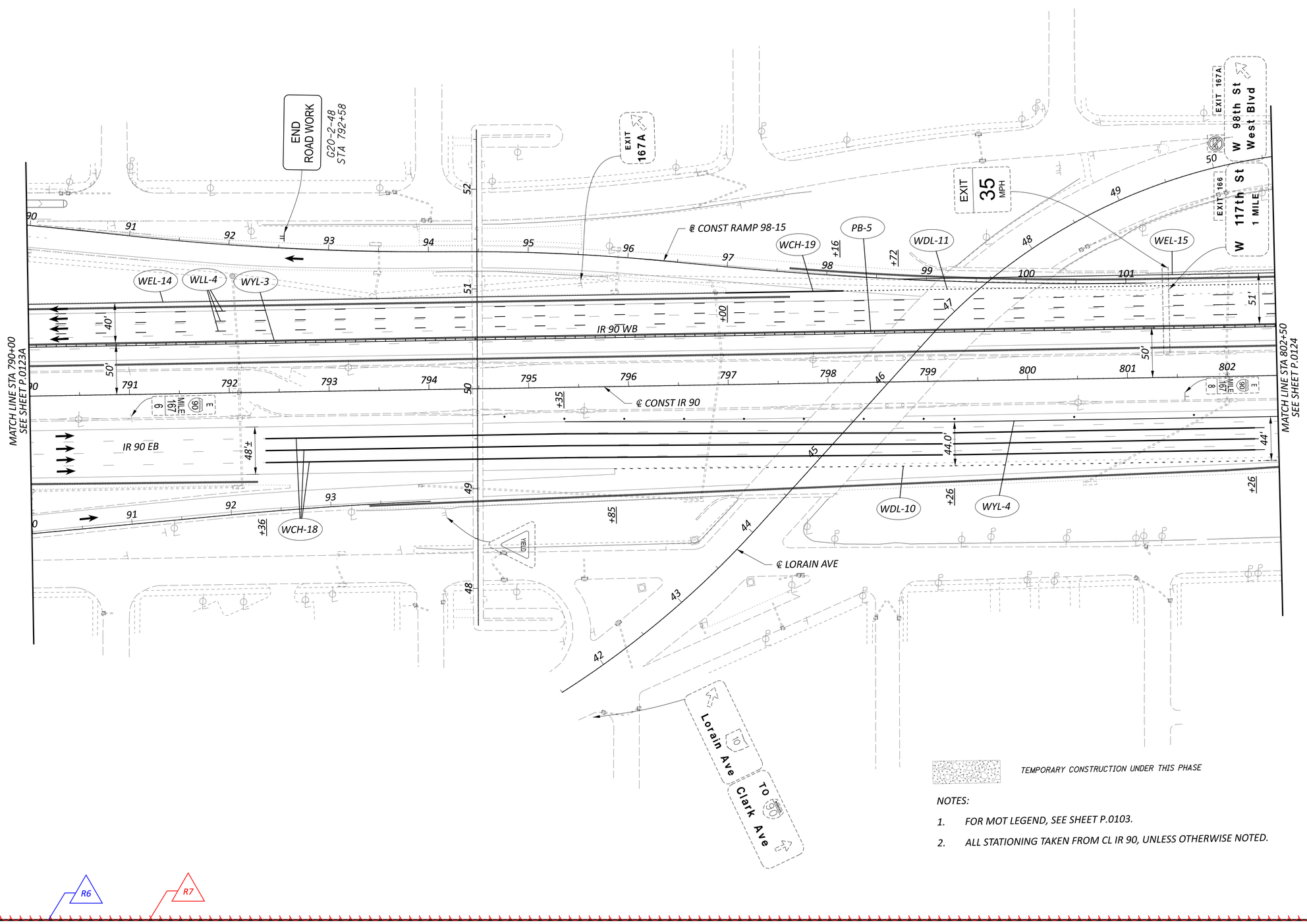

TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6 R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 790+00 TO STA 802+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0123B TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 25 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 03:22 AM USER: jday
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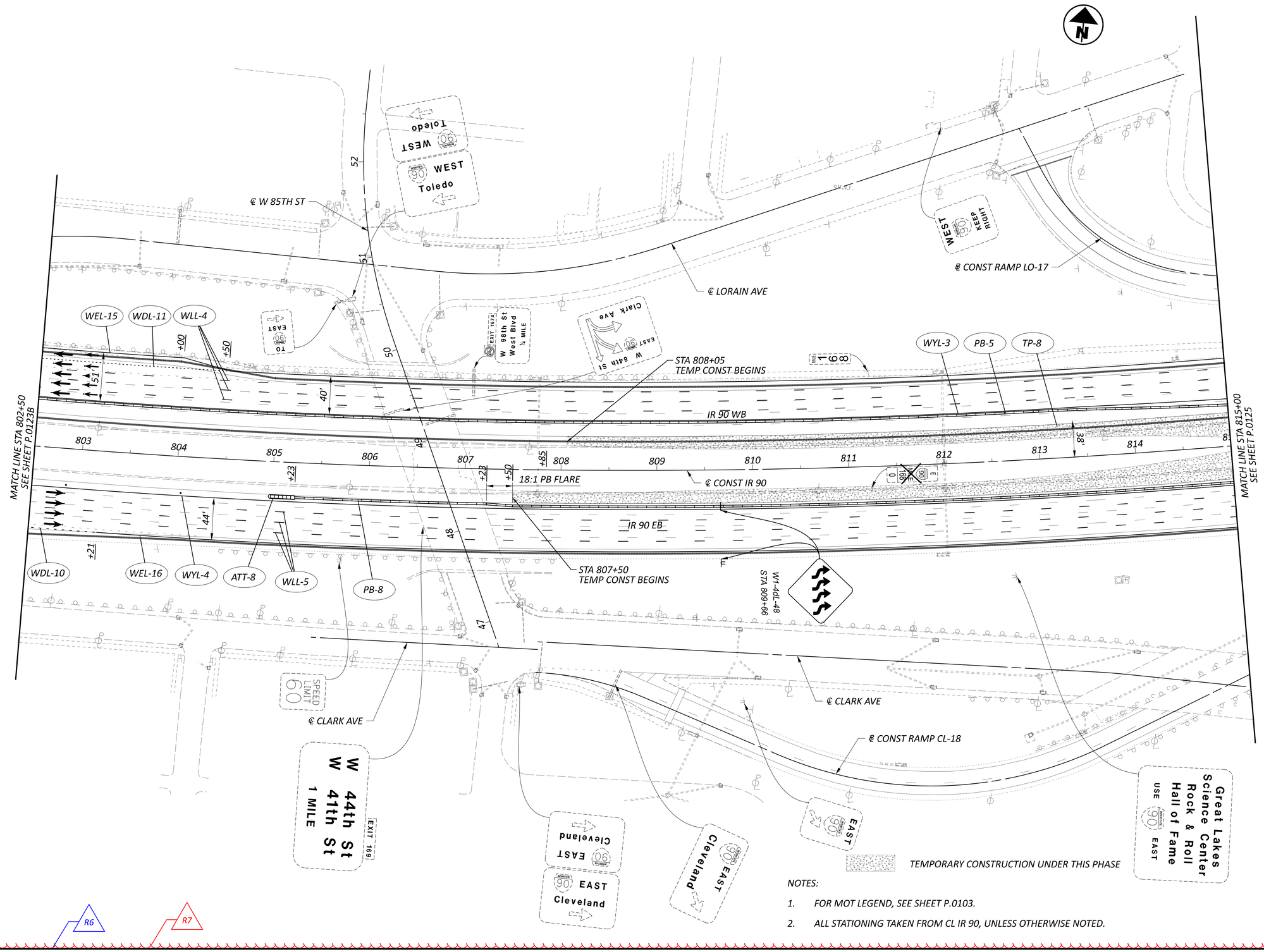
MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 802+50 TO STA 815+00

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

DESIGN AGENCY: STRUCTUREPOINT
DESIGNER: BER
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0124 TOTAL: P.1587

CUY-90-6.69

MODEL: SIM - Plan 26 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:25 AM USER: jday
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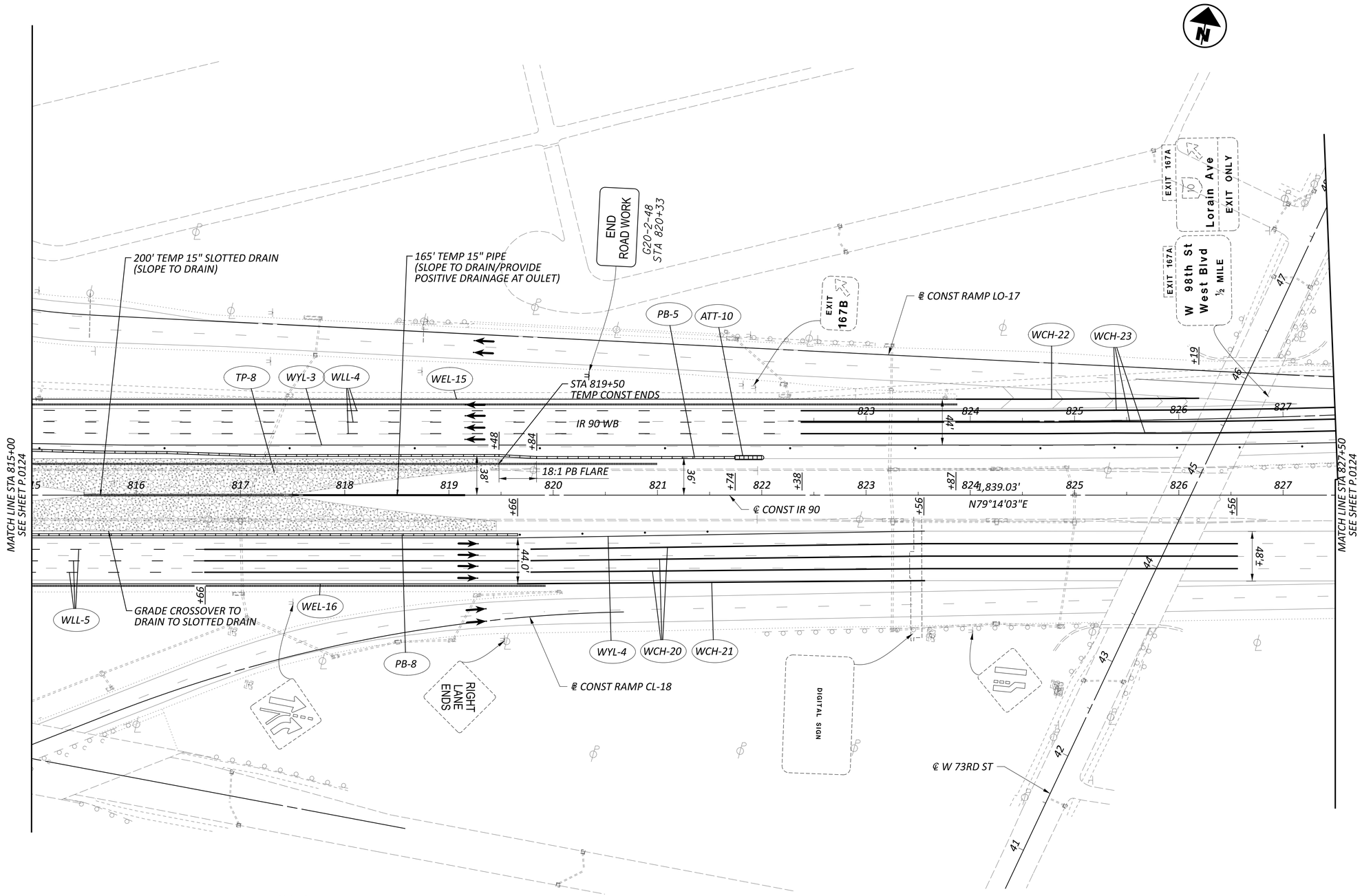

TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. *FOR MOT LEGEND, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

R6

R7

HORIZONTAL
SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 815+00 TO STA 827+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0125 | TOTAL P.1587

CUY-90-6.69

MODEL: SIPI - Plan 27 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/14/2025 TIME: 10:31:26 AM USER: jday
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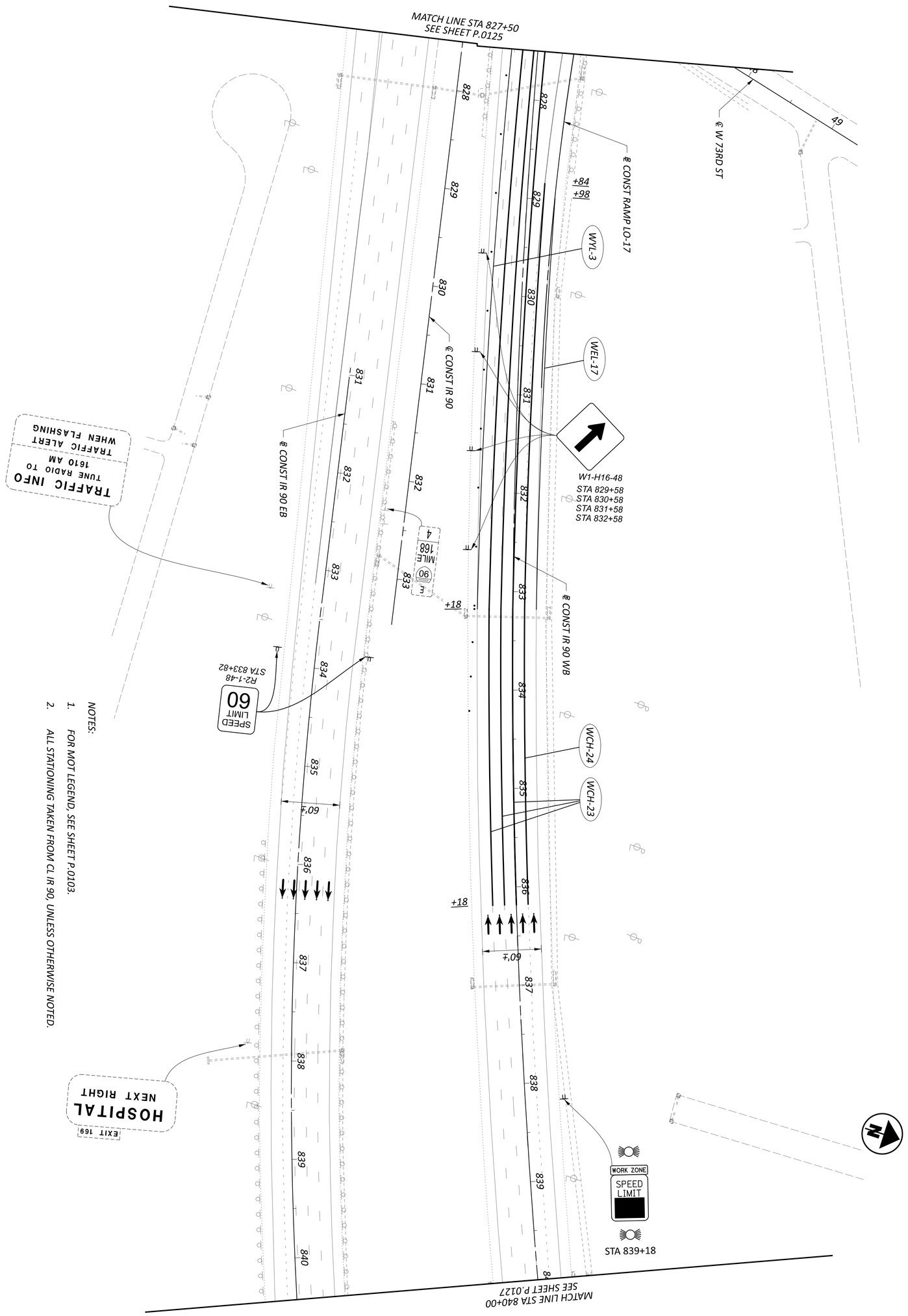

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

SHEET	TOTAL
P.0126	P.1587

PROJECT ID: 76779

REVIEWER: VDK 08/09/23

DESIGNER: BER

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 827+50 TO STA 840+00

HORIZONTAL SCALE IN FEET
0 50
25 100

CUY-90-6.69

MODEL: SIPI - Plan 29 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:31:53 AM USER: jday
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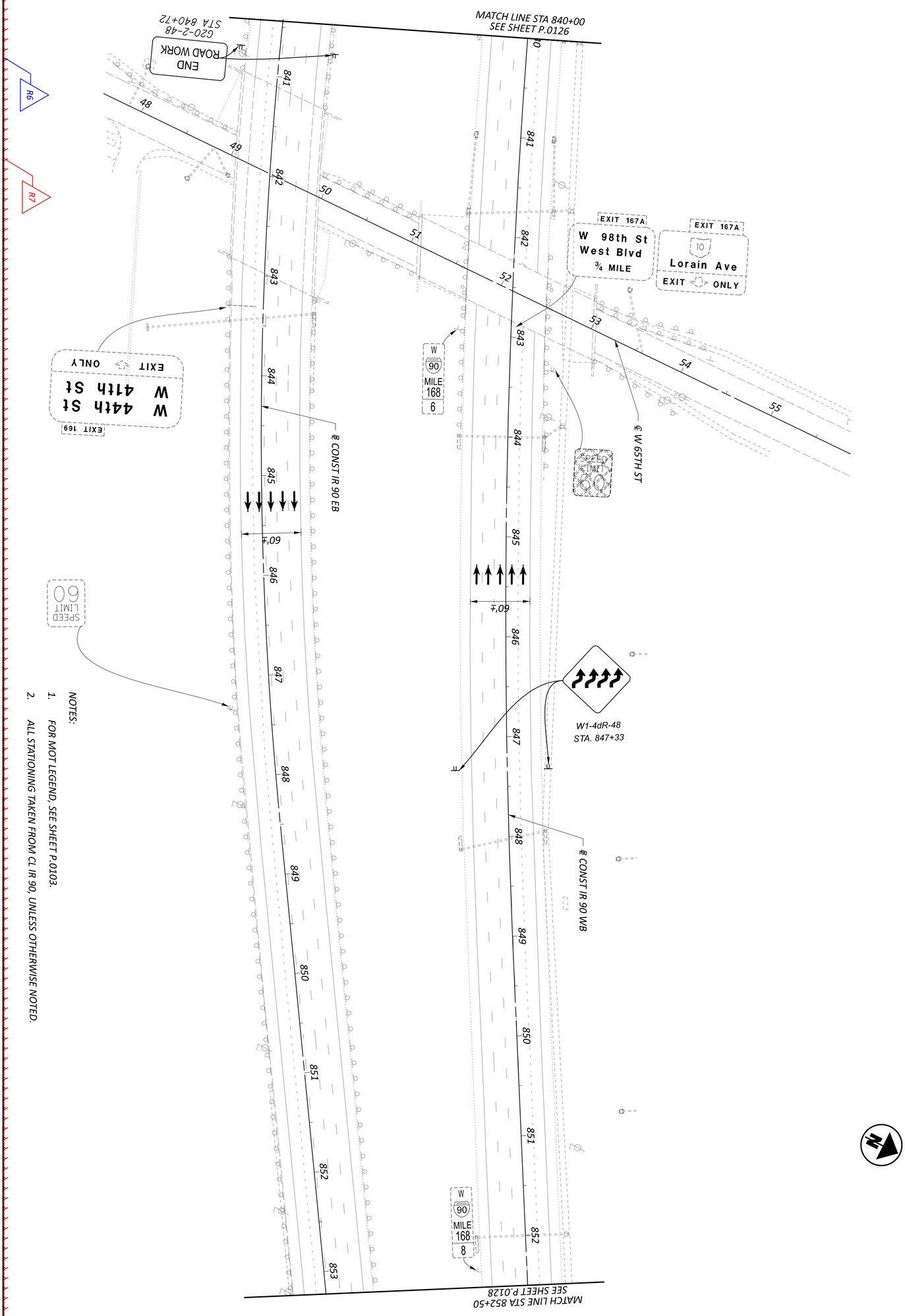

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

SHEET	TOTAL	PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
P.0127	P.1587	76779	VDK 08/09/23	BER	AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 840+00 TO STA 852+50

HORIZONTAL SCALE IN FEET
0 25 50 100

MODEL: SIP1 - Plan 30 (Sheet) PAPERSIZE: 34x22 (In.) DATE: 4/14/2025 TIME: 10:31:55 AM USER: jday
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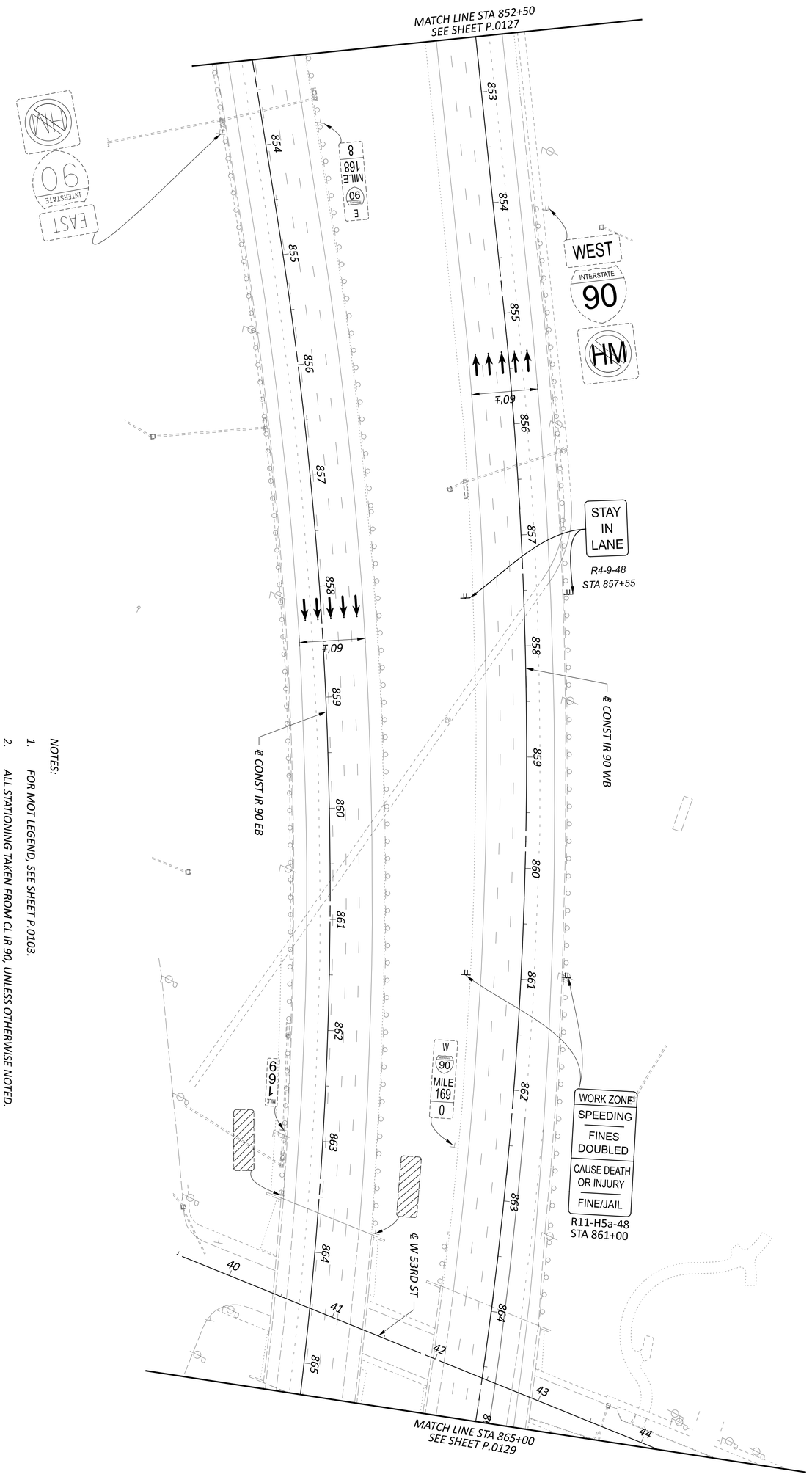

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 852+50 TO STA 865+00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.0128	P.1587

PROJECT ID 76779

REVIEWER VDK 08/09/23

DESIGNER BER

DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

MODEL: SIPI - Plan 3i(Sheet) PAPERSIZE: 34x22 (In.) DATE: 4/14/2025 TIME: 10:31:56 AM USER: jday
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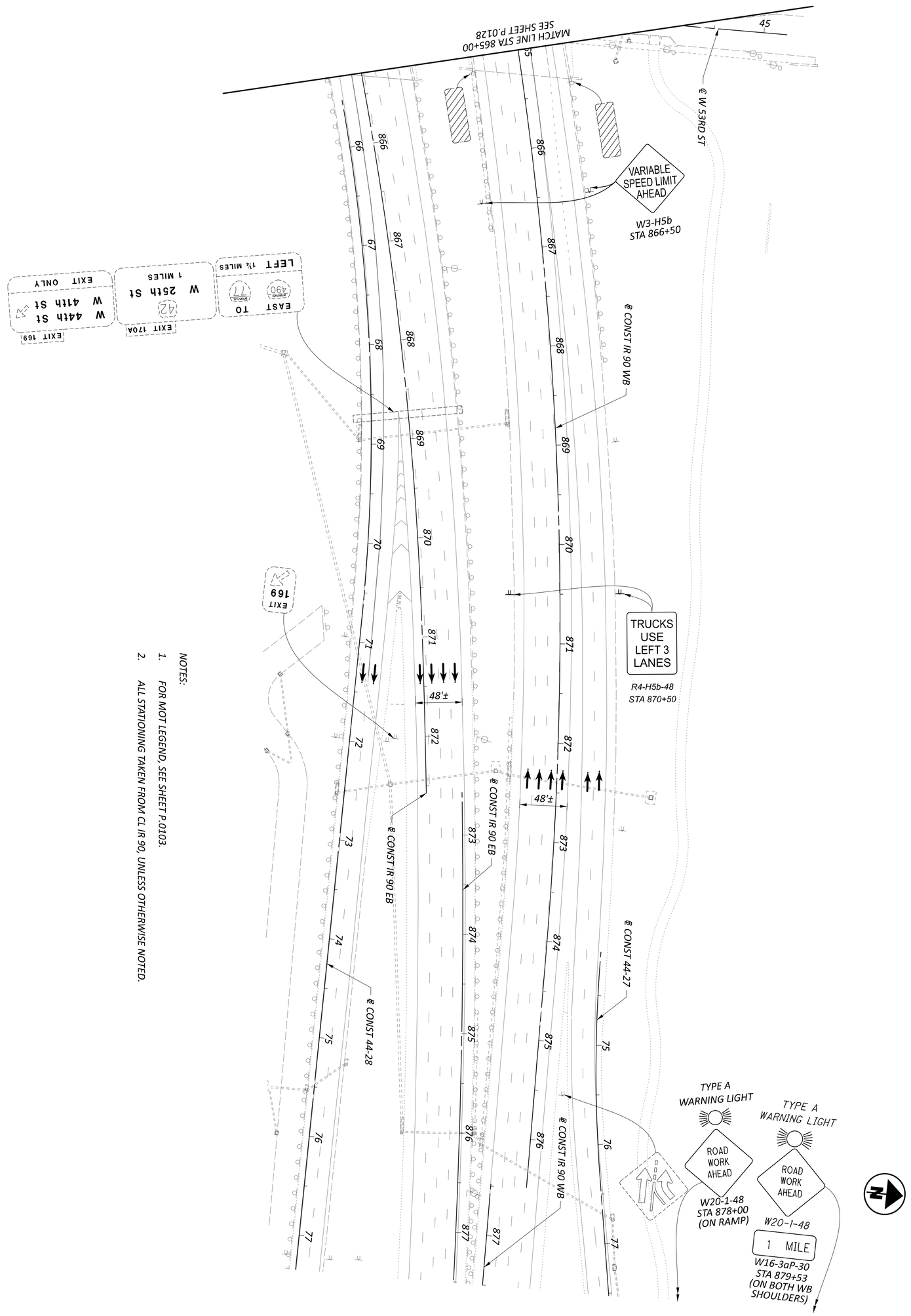

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 865+00 TO STA 877+50

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.0129	P.1587

PROJECT ID 76779

REVIEWER VDK 08/09/23

DESIGNER BER

DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

MODEL: S1P1 - Plan 00A [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:36:03 AM USER: jday
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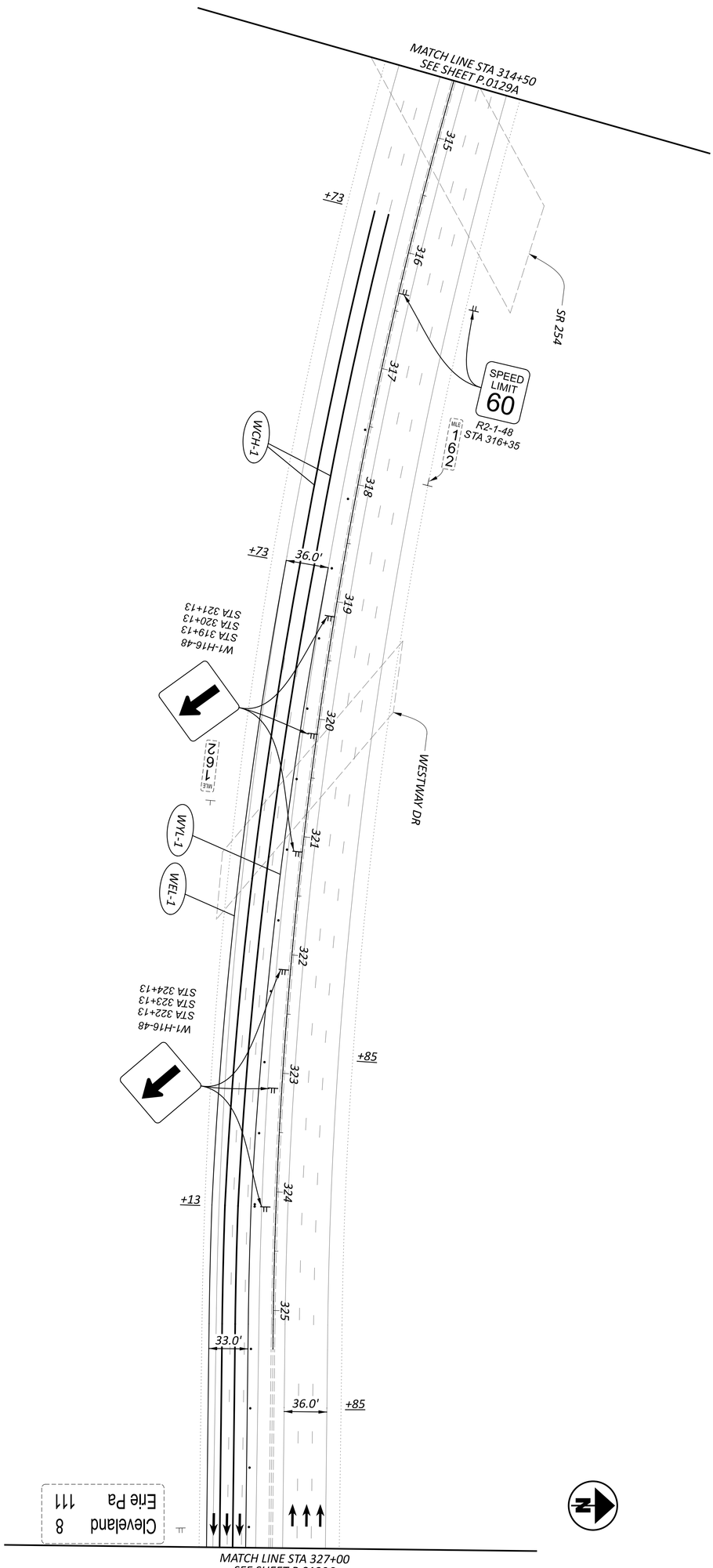
R6

R7



SHEET	TOTAL
P.0129B	P.1587

PROJECT ID
76779

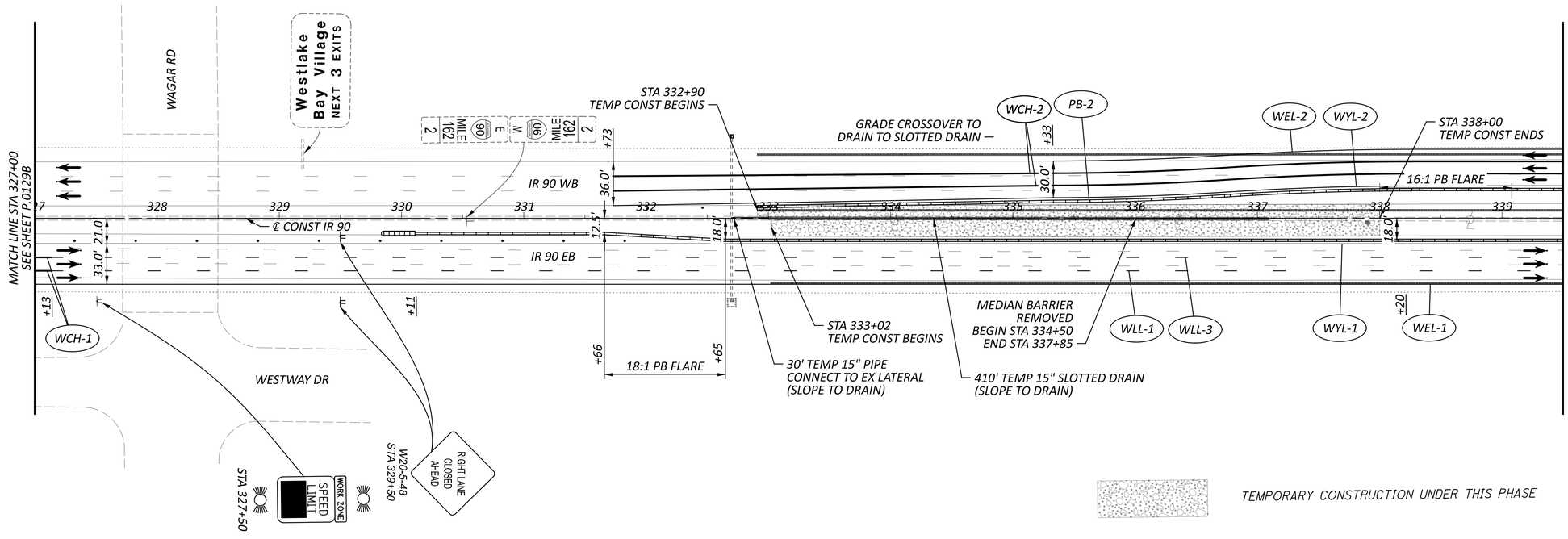
REVIEWER
VDK 08/09/23

DESIGNER
CSC

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 1B
STA 314+50 TO STA 327+00

HORIZONTAL SCALE IN FEET
0 50
25 100



NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 327+00 TO STA 339+50

DESIGN AGENCY
WSP USA STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 01 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:36:07 AM USER: jday
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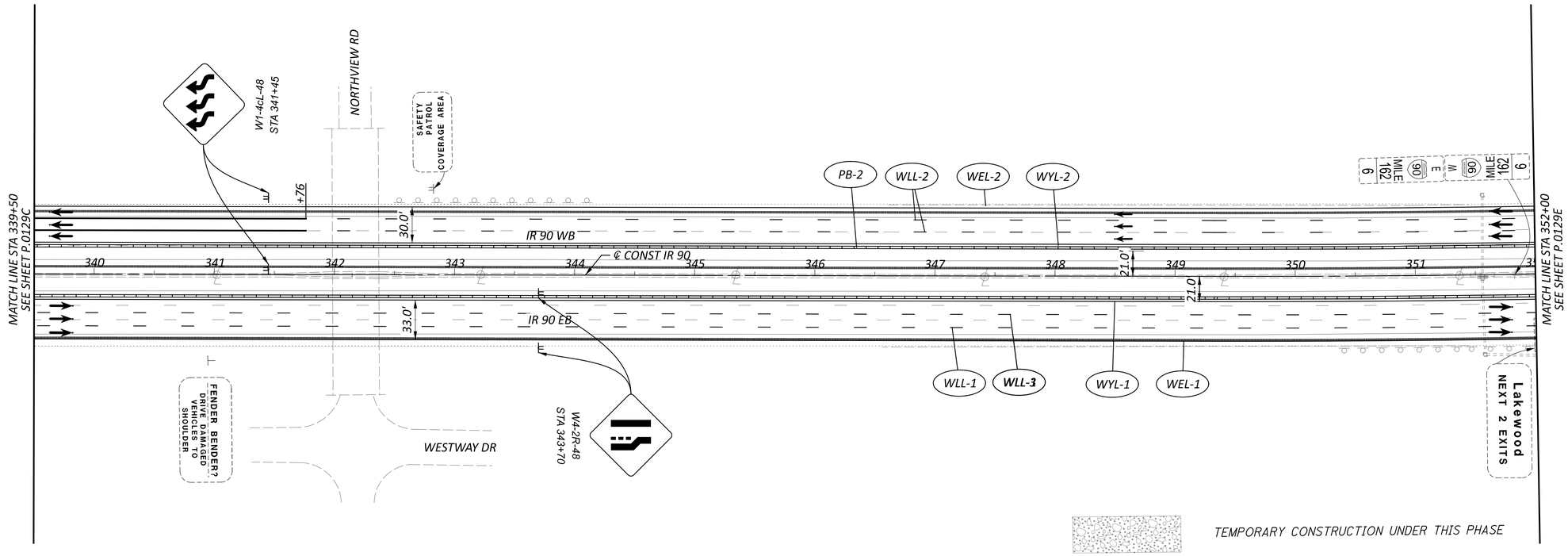

NOTES:

1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

R6 R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 339+50 TO STA 352+00

DESIGN AGENCY

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129D TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 02 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/14/2025 TIME: 10:36:09 AM USER: jday
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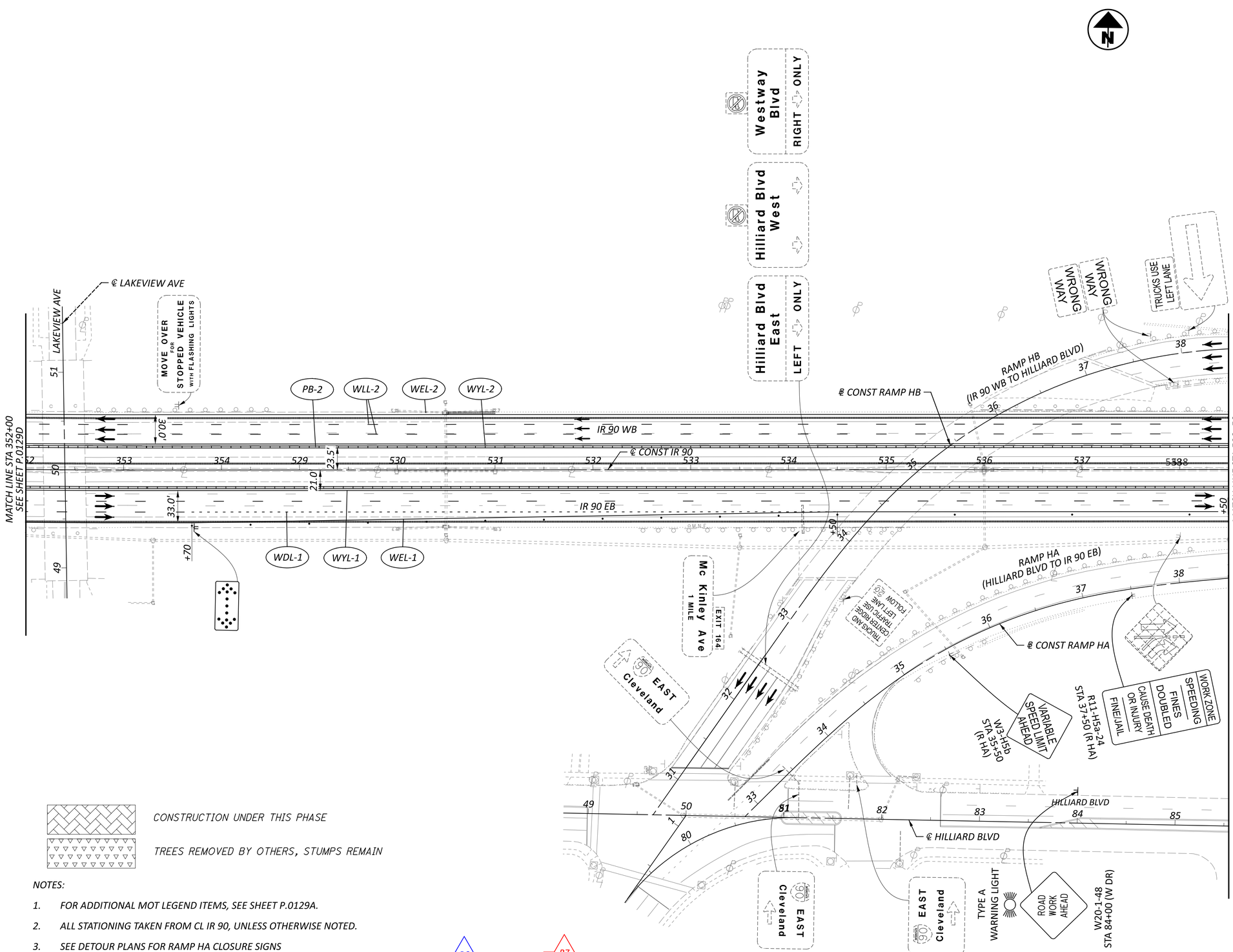
MAINTENANCE OF TRAFFIC PHASE 1B
STA 352+00 TO STA 538+50



NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP HA CLOSURE SIGNS

R6 R7

HORIZONTAL SCALE IN FEET
0 25 50 100

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129E TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 03 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 10:36:11 AM USER: jday
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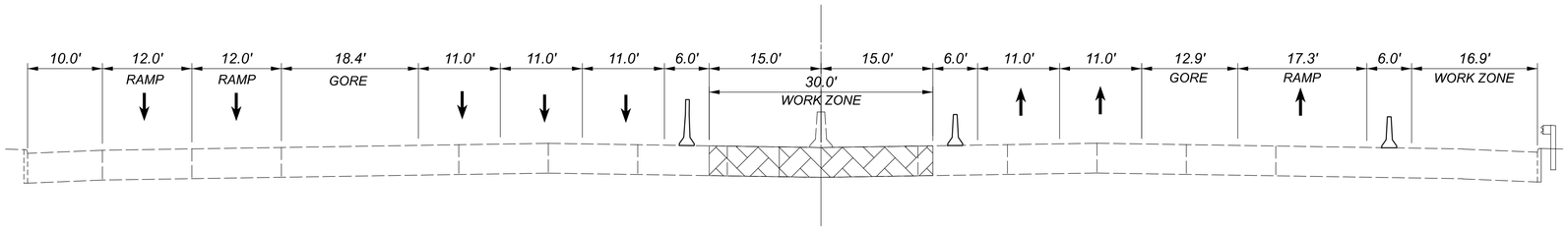
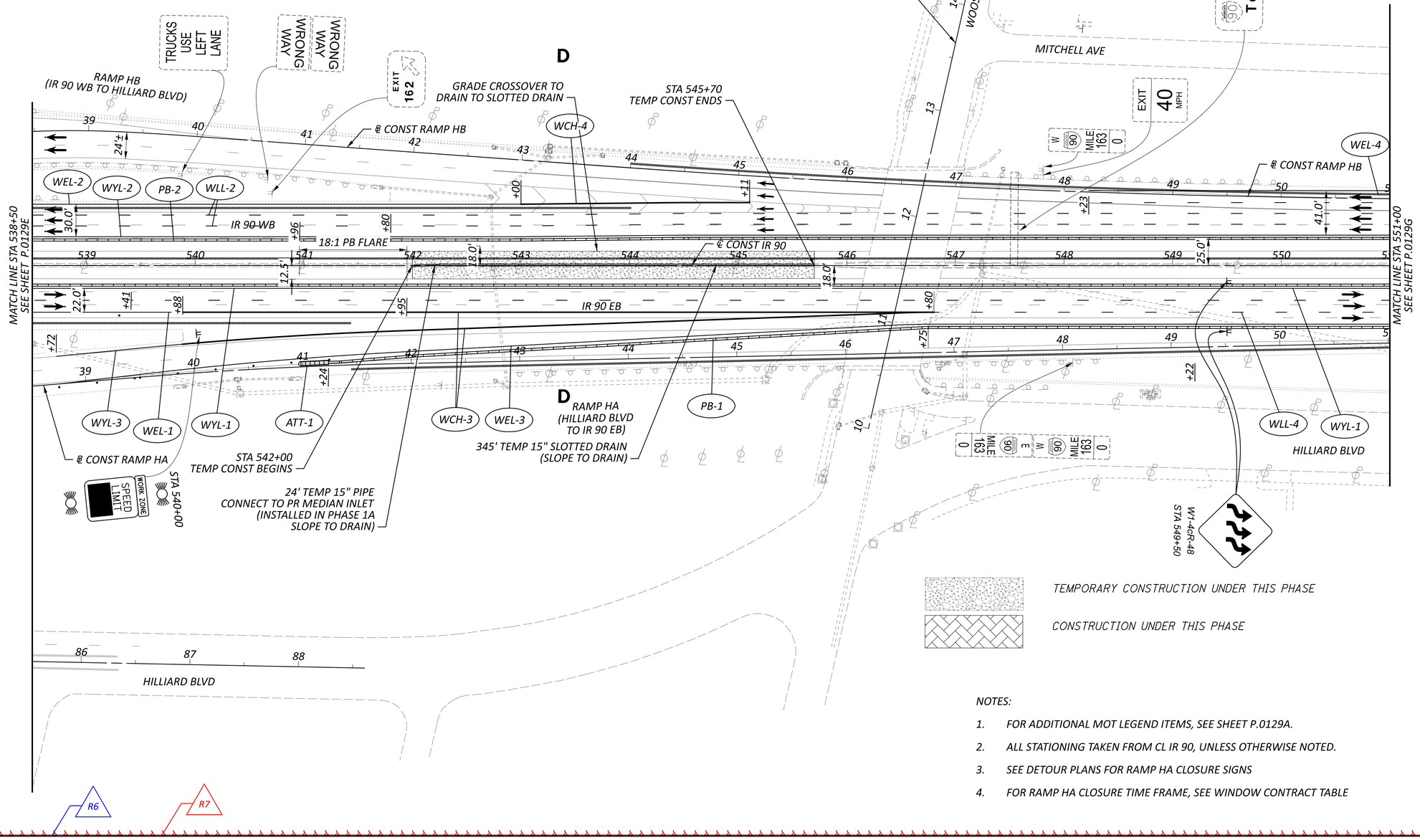


PHASE 1 STEP B - SECTION D-D
STA 543+10



NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP HA CLOSURE SIGNS
4. FOR RAMP HA CLOSURE TIME FRAME, SEE WINDOW CONTRACT TABLE

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 538+50 TO STA 551+00

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129F TOTAL P.1587

CUY-90-6.69

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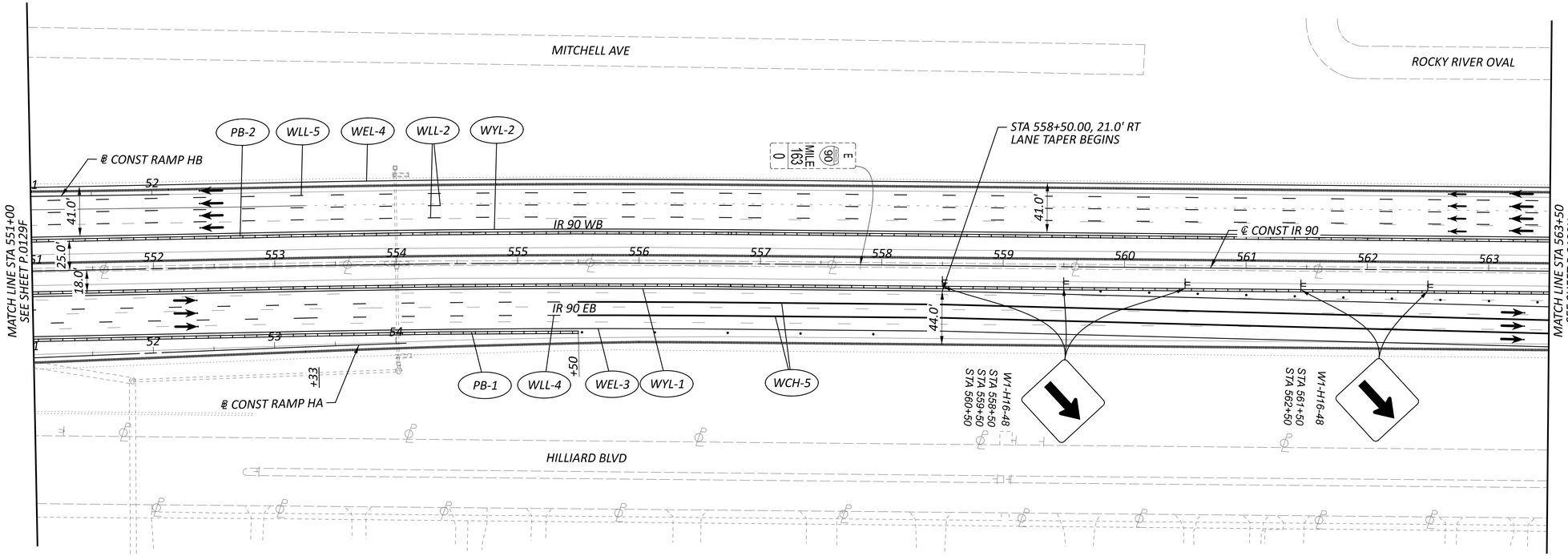

TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 551+00 TO STA 563+50

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0129C TOTAL P.1587

CUY-90-6.69

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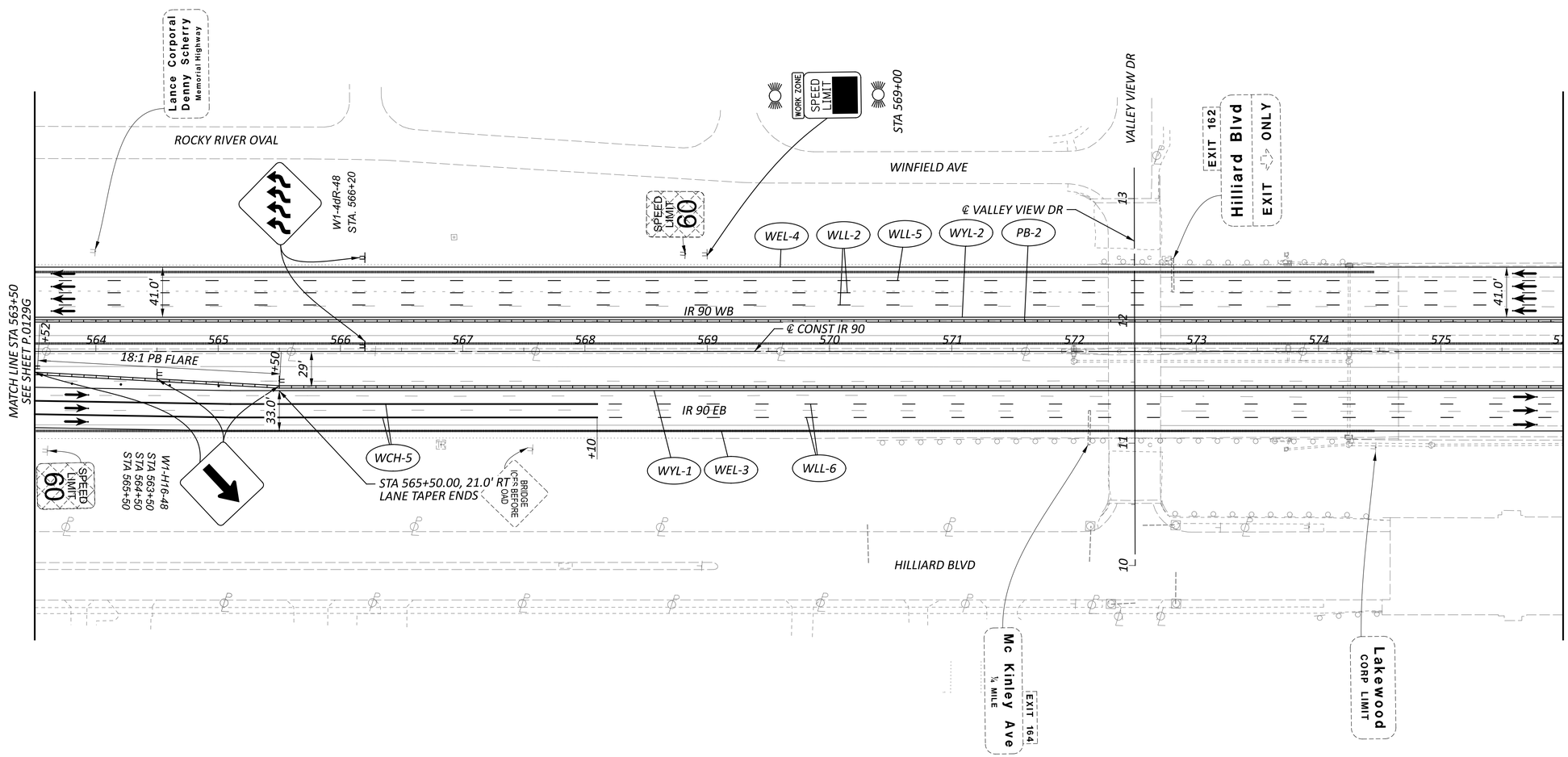
MAINTENANCE OF TRAFFIC PHASE 1B
STA 563+50 TO STA 576+00

HORIZONTAL SCALE IN FEET
0 25 50 100



TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

R6 R7

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129H TOTAL P.1587

CUY-90-6.69

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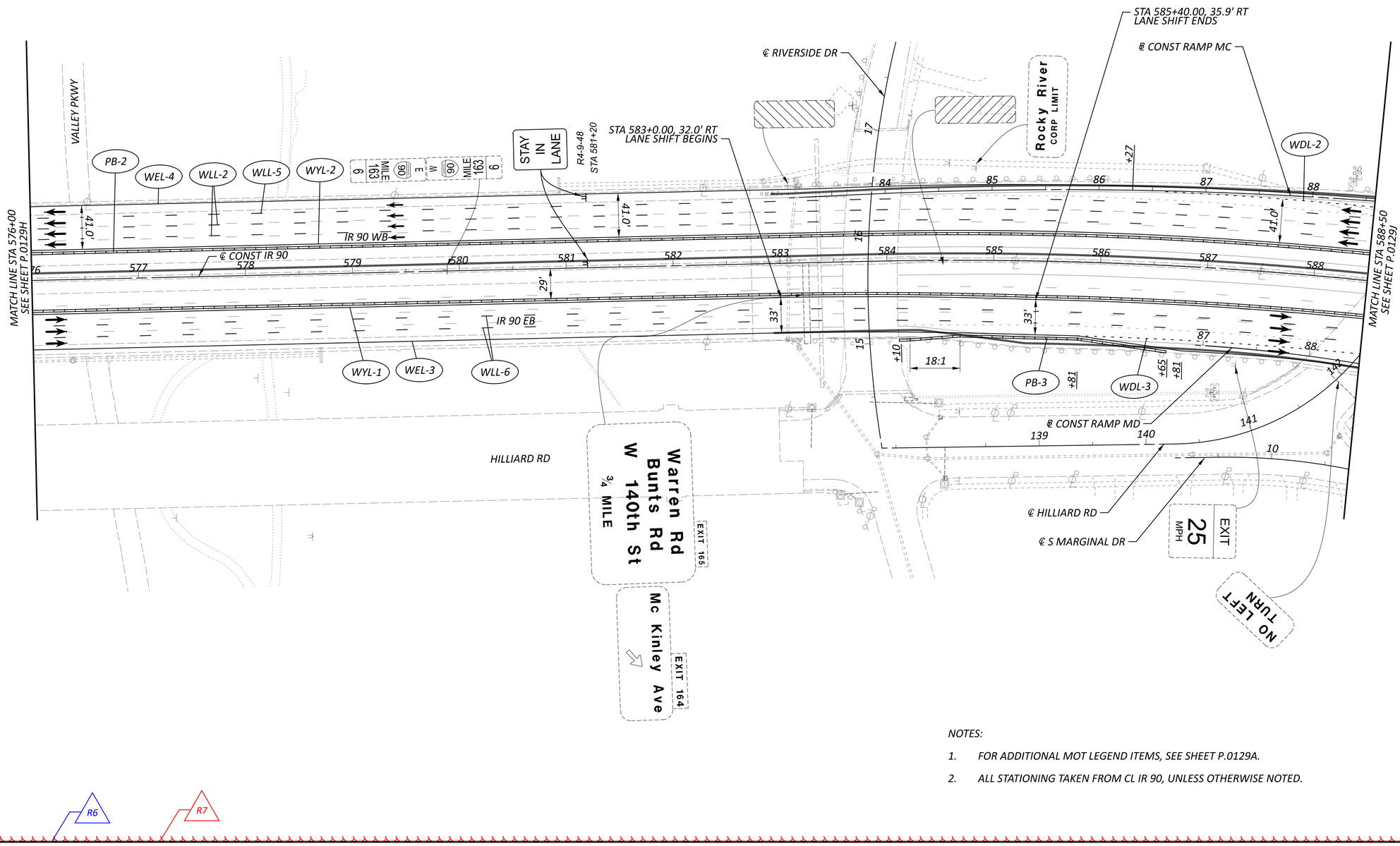

NOTES:

1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

R6

R7

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 576+00 TO STA 588+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129I TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 07 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/4/2025 TIME: 10:36:22 AM USER: jday
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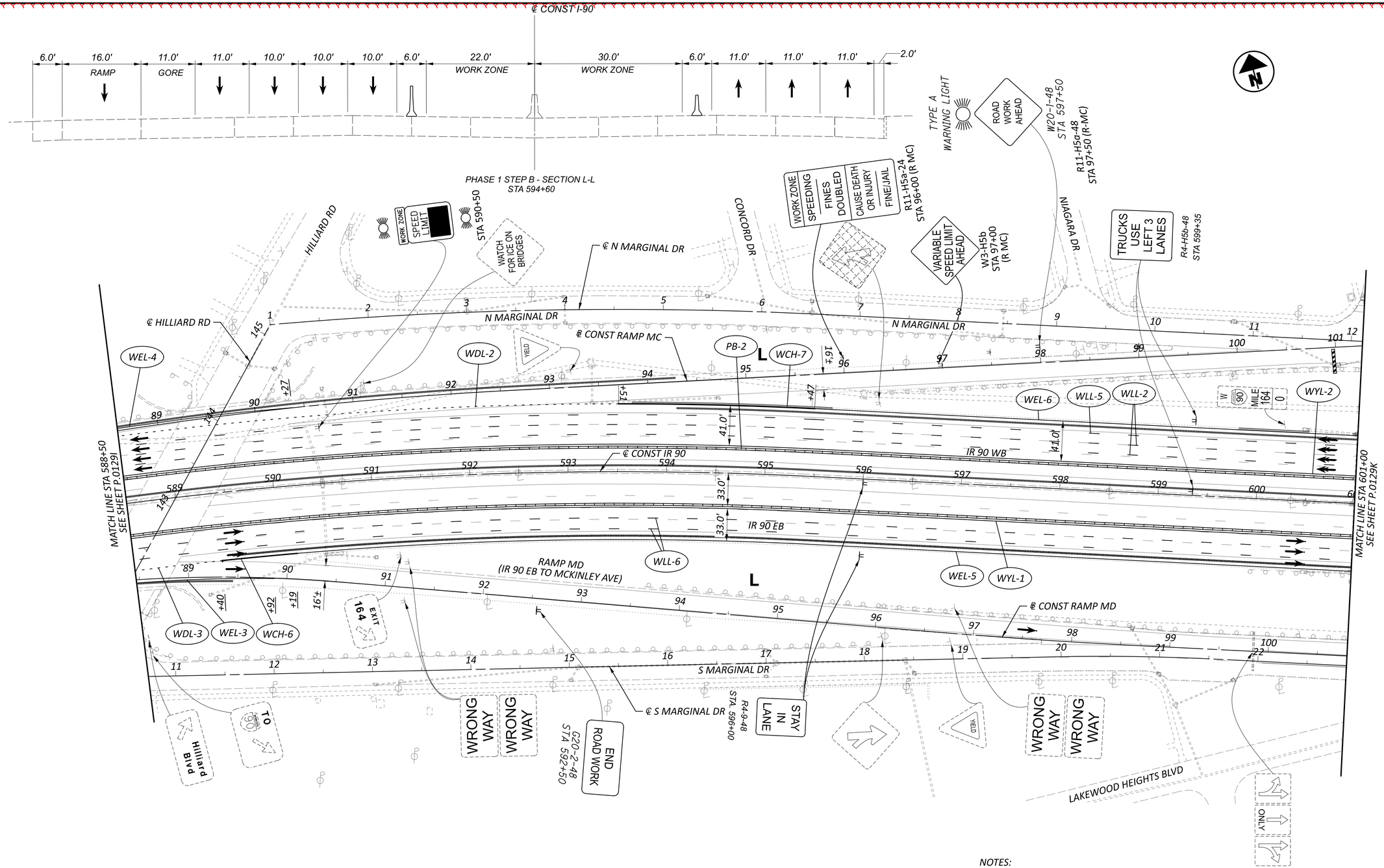

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP MC CLOSURE SIGNS
4. FOR RAMP MC CLOSURE TIME FRAME, SEE WINDOW CONTRACT TABLE

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 588+50 TO STA 601+00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129J TOTAL P.1587

CUY-90-6.69

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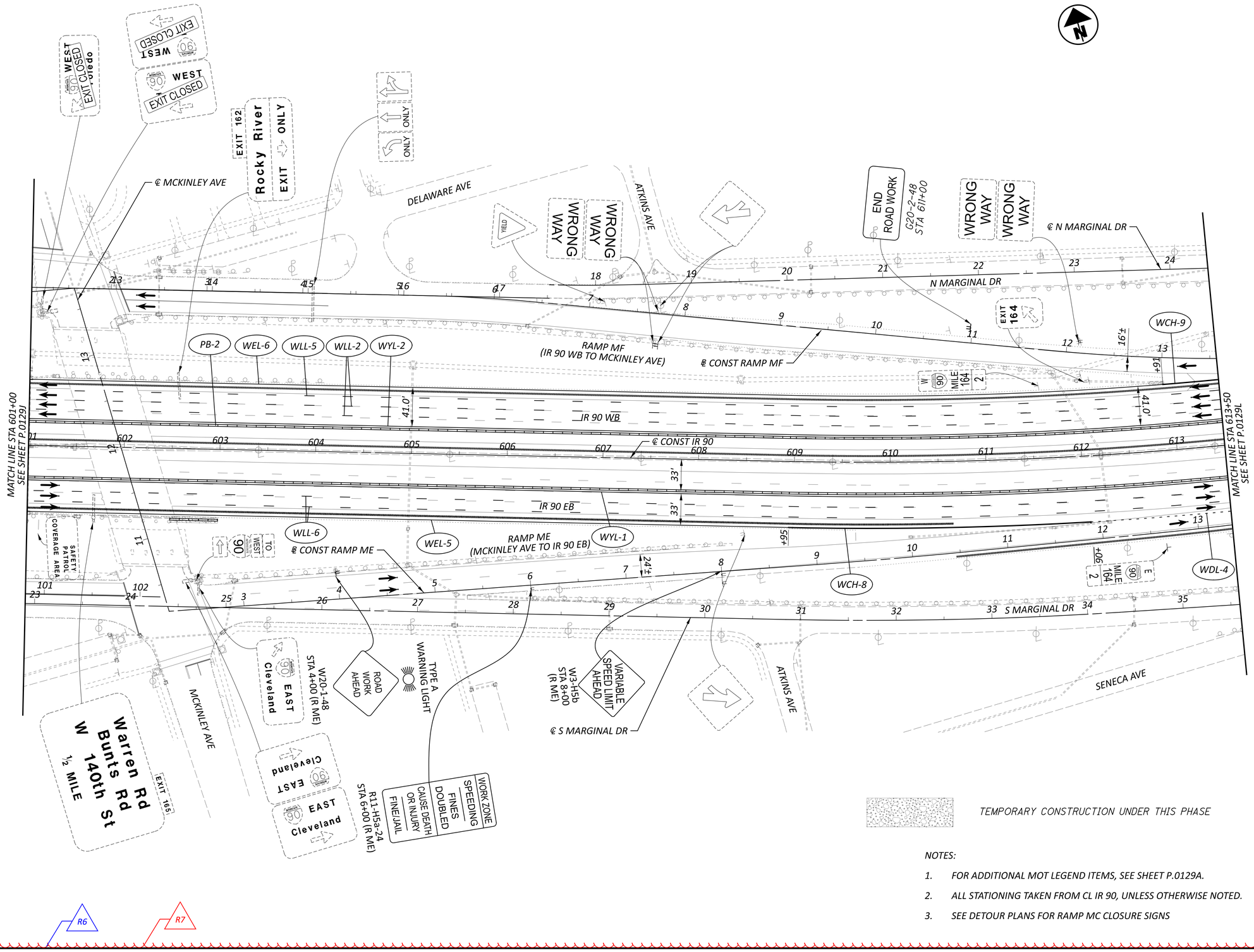

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. SEE DETOUR PLANS FOR RAMP MC CLOSURE SIGNS

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 601+00 TO STA 613+50

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129K TOTAL P.1587

CUY-90-6.69

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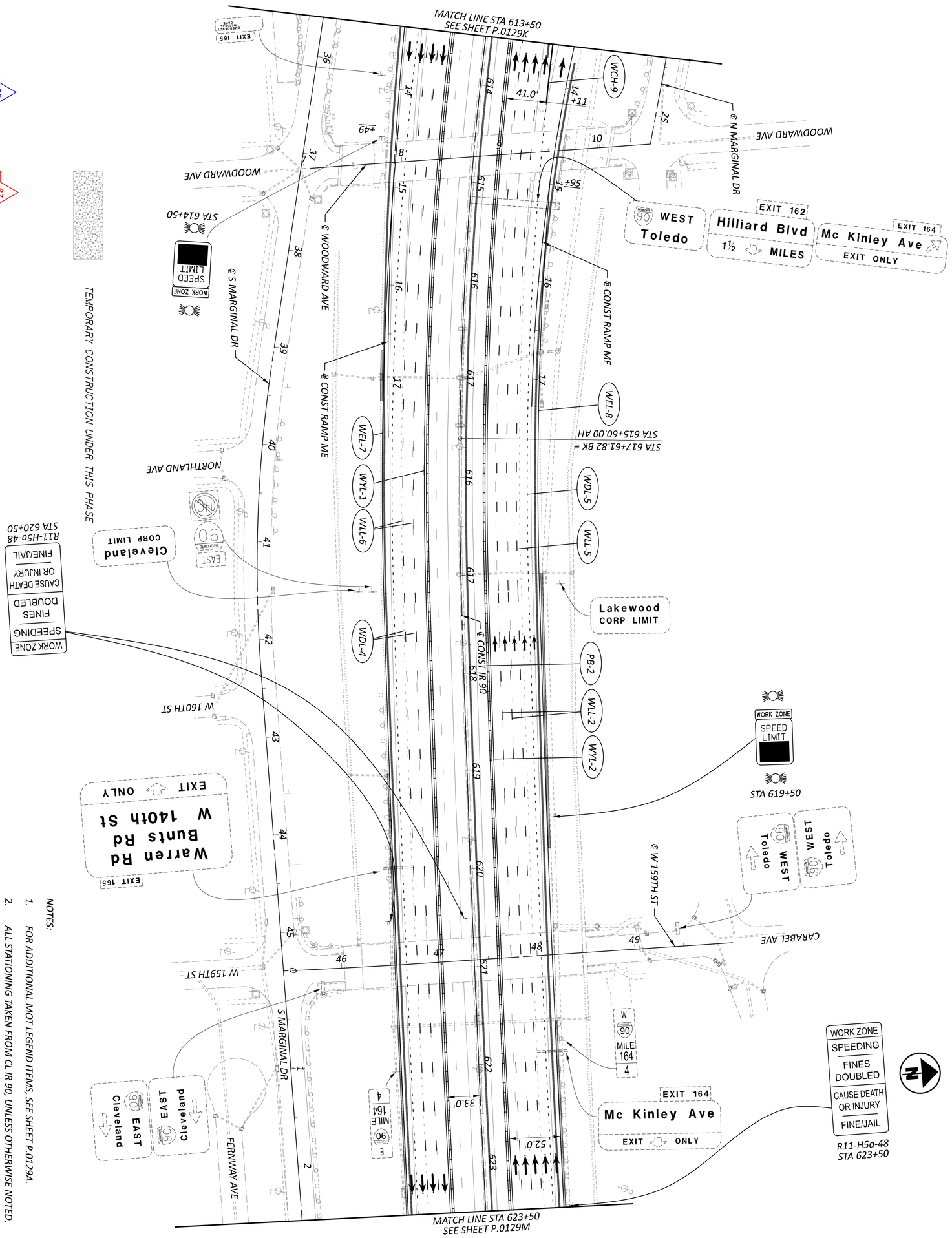


NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

SHEET	TOTAL
P.0129U	P.1587

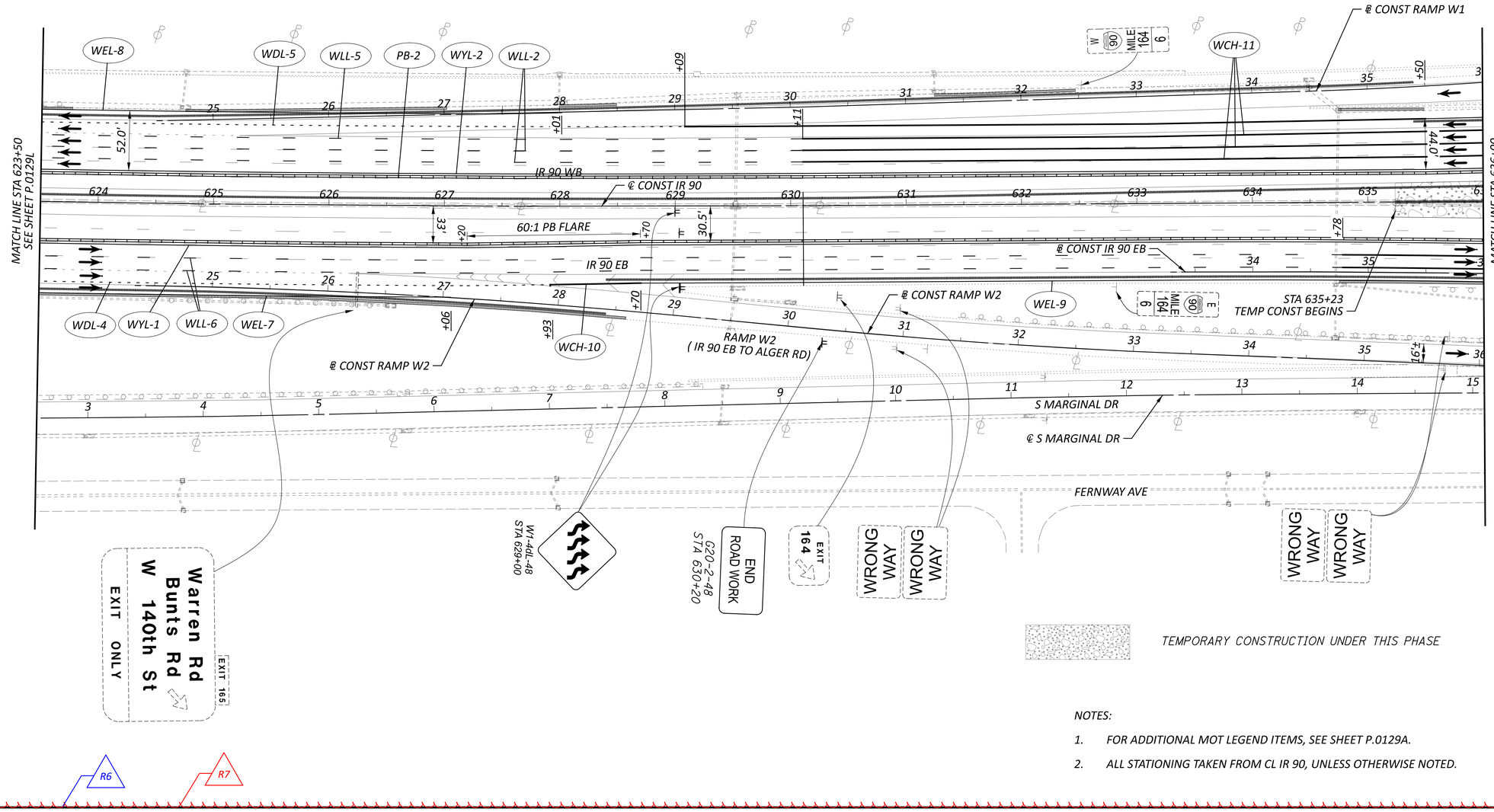
PROJECT ID	REVIEWER	DESIGNER
76779	VDK 08/09/23	CSC

AMERICAN STRUCTUREPOINT INC. — DESIGN AGENCY

MAINTENANCE OF TRAFFIC PHASE 1B
STA 613+50 TO STA 623+50

HORIZONTAL SCALE IN FEET
0 50
25 100

MAINTENANCE OF TRAFFIC PHASE 1B
STA 623+50 TO STA 636+00



HORIZONTAL SCALE IN FEET
0 25 50 100

NOTES:

1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0129A.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0129M TOTAL P.1587

CUY-90-6.69

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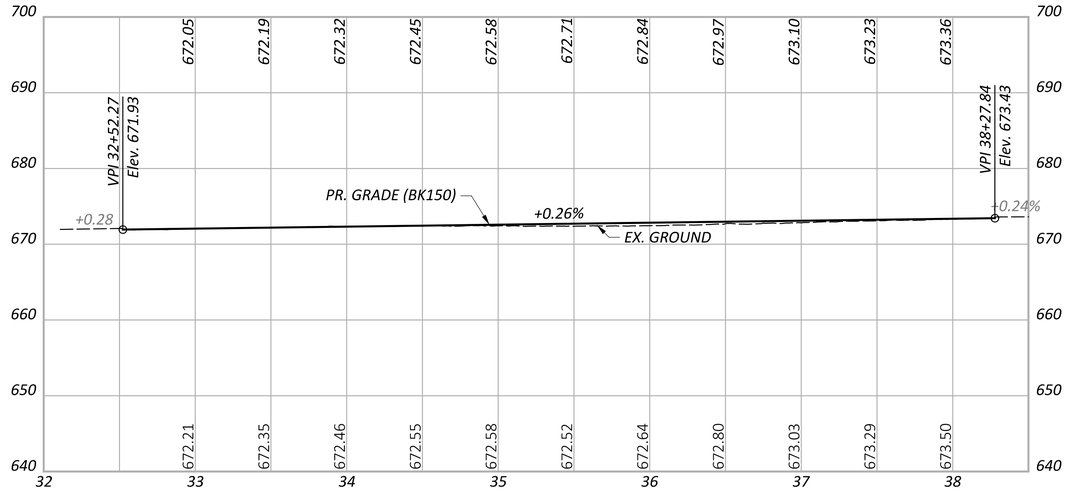
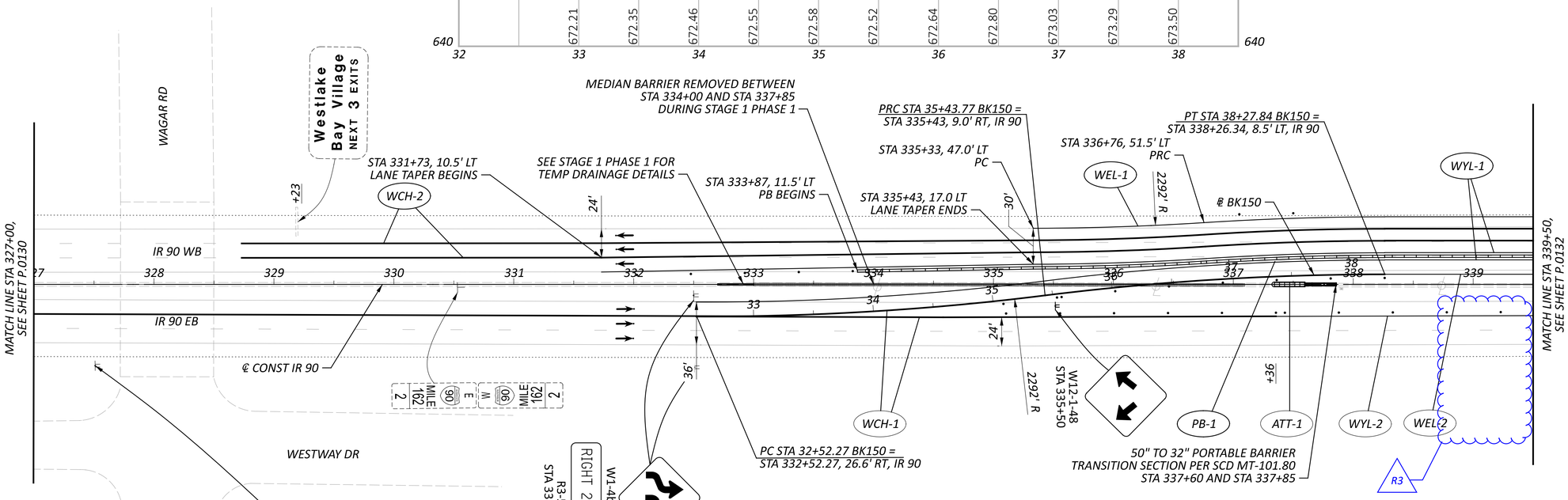
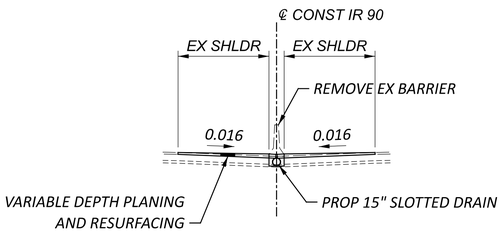


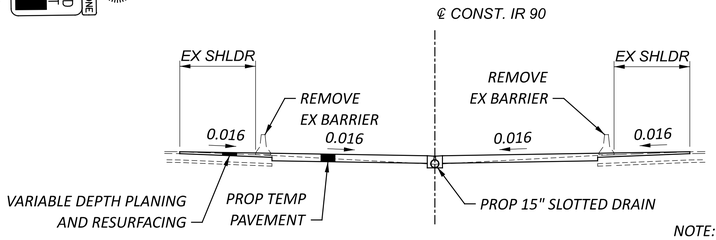


HORIZONTAL SCALE IN FEET
0 25 50 100





BARRIER MEDIAN CROSSOVER SECTION



GRASS MEDIAN CROSSOVER SECTION

NOTE:
WHERE PROPOSED TEMPORARY PAVEMENT DOES NOT ABUT EXISTING PAVEMENT, 2 FT WIDE ITEM 617 COMPACTED AGGREGATE SHALL BE PLACED AT THE EDGE OF TEMPORARY PAVEMENT. PAYMENT IS INCLUDED IN THE MANTENANCE OF TRAFFIC SUB-SUMMARY.

CURVE DATA BK150

PI = STA 33+98.22	PI = STA 36+85.99
Δ = 07°17'15" LT	Δ = 07°06'06" RT
Dc = 02°30'00"	Dc = 02°30'00"
R = 2,291.83'	R = 2,291.83'
T = 145.95'	T = 142.22'
L = 291.50'	L = 284.07'
E = 4.64'	E = 4.41'

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

MAINTENANCE OF TRAFFIC PHASE 2A, 2B STA 327+00 TO STA 339+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0131 TOTAL P.1587

CUY-90-6.69

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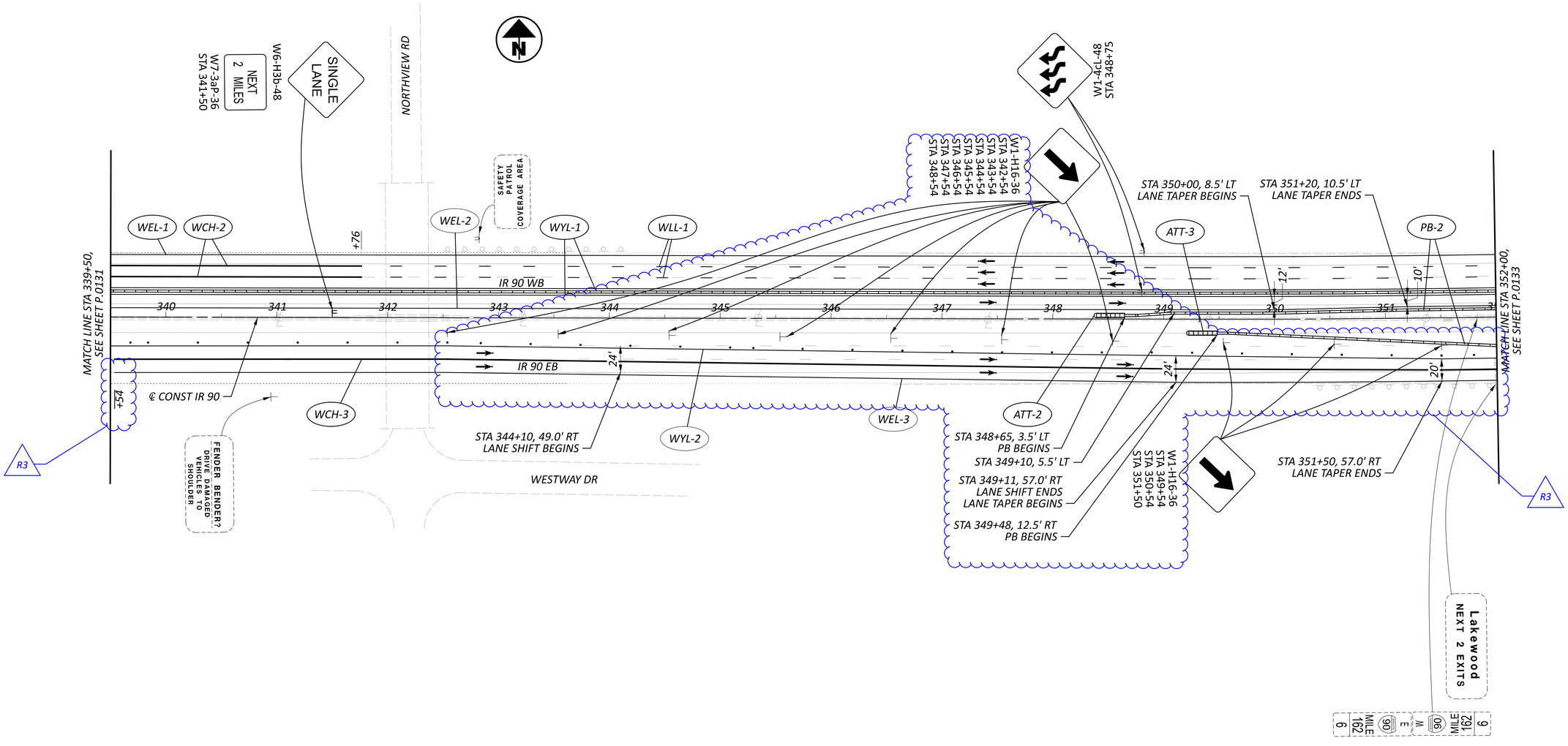

NOTES:

1. *FOR MOT LEGEND, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 339+50 TO STA 352+00

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
DMS

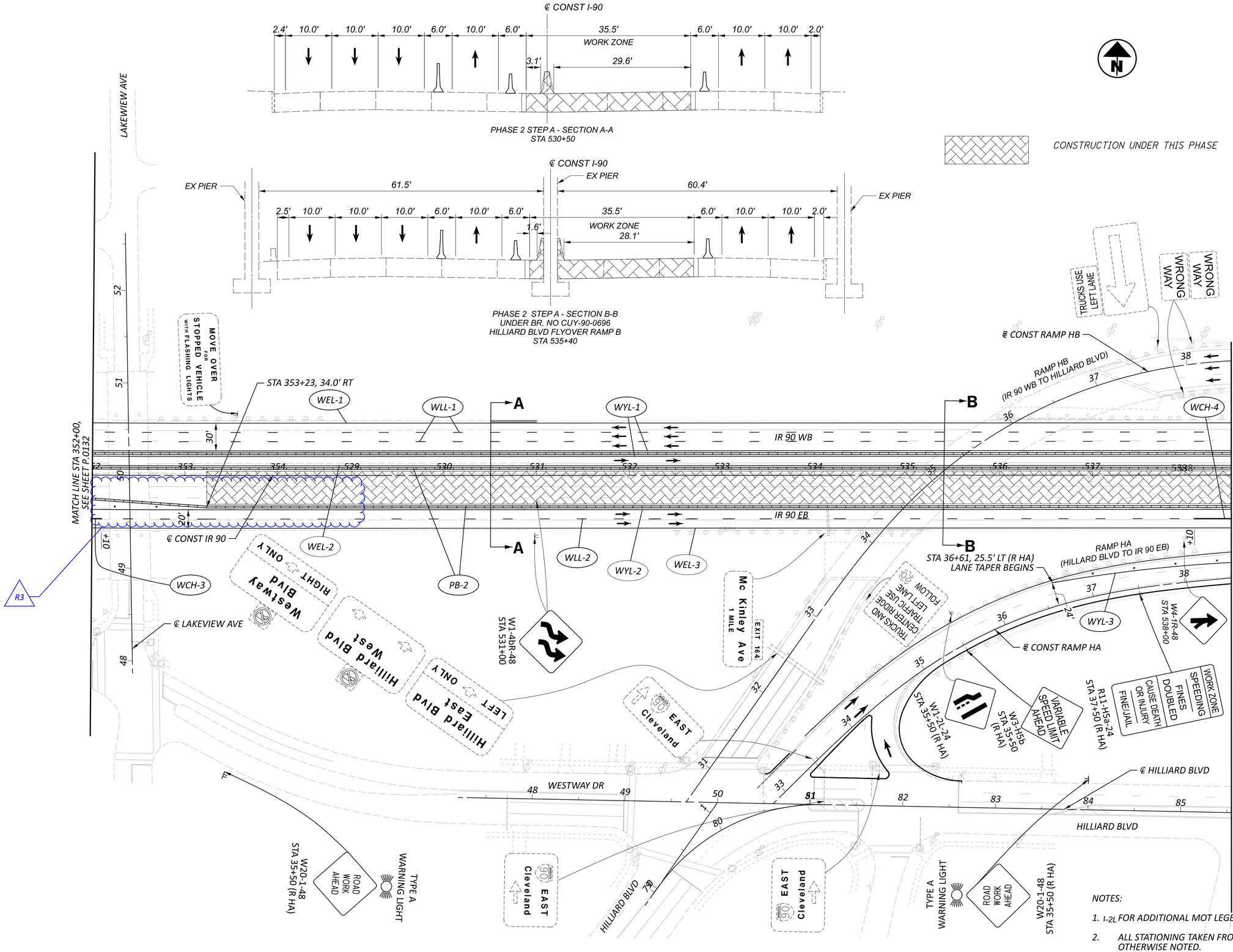
REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0132 | TOTAL P.1587

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 352+00 TO STA 538+50

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

1. 1-2L FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC
DESIGNER: DMS
REVIEWER: RDC 04/14/23
PROJECT ID: 76779
SHEET: P.0133 | TOTAL: P.1587

CUY-90-6.69

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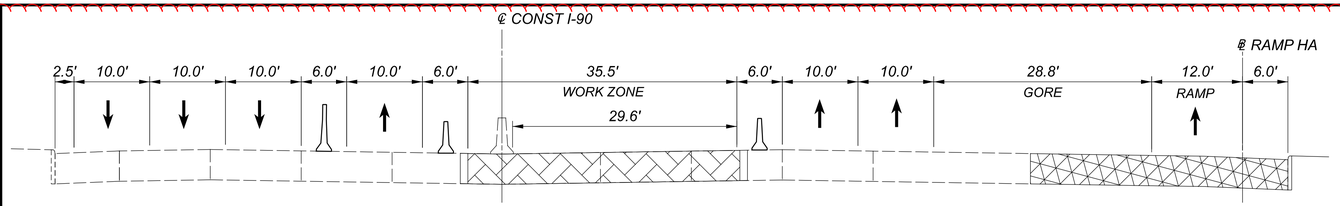
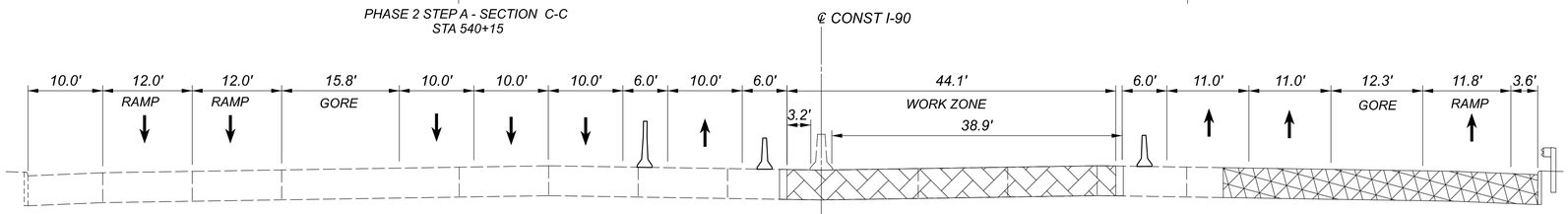
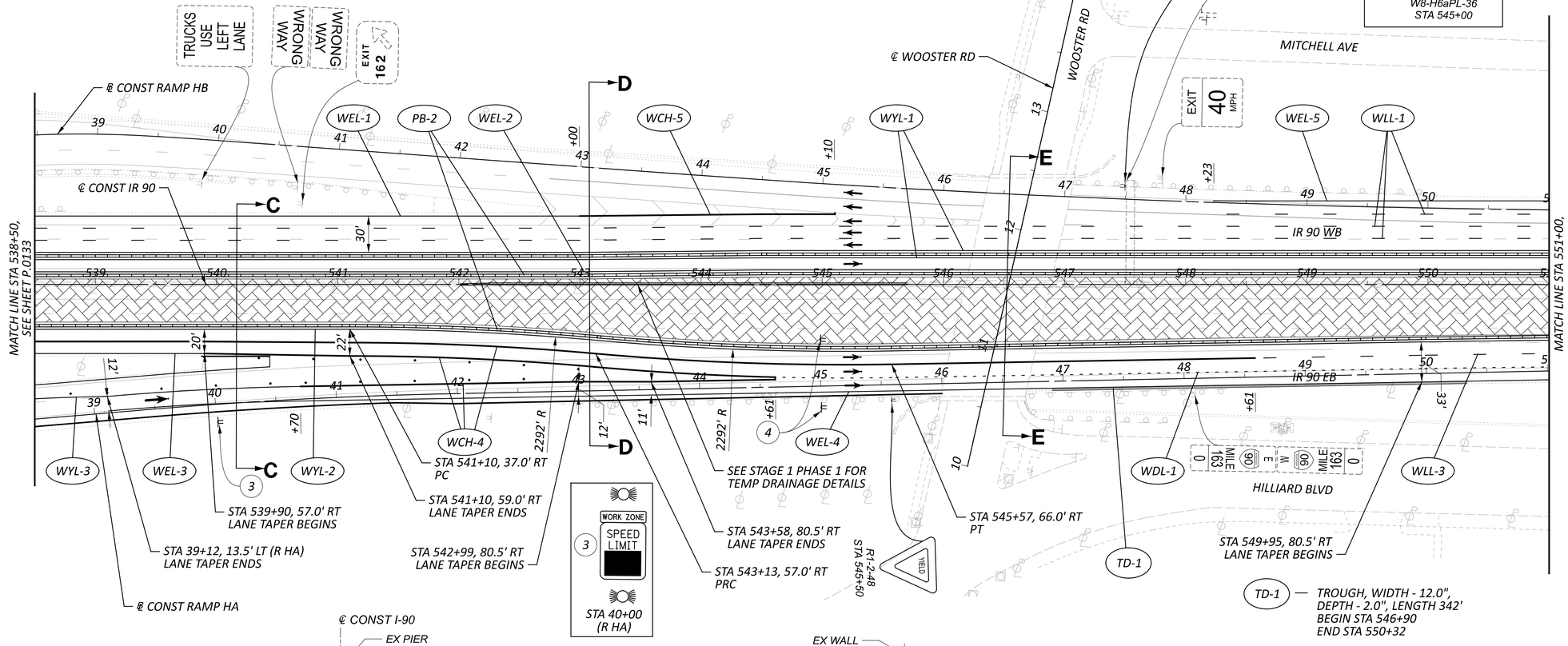


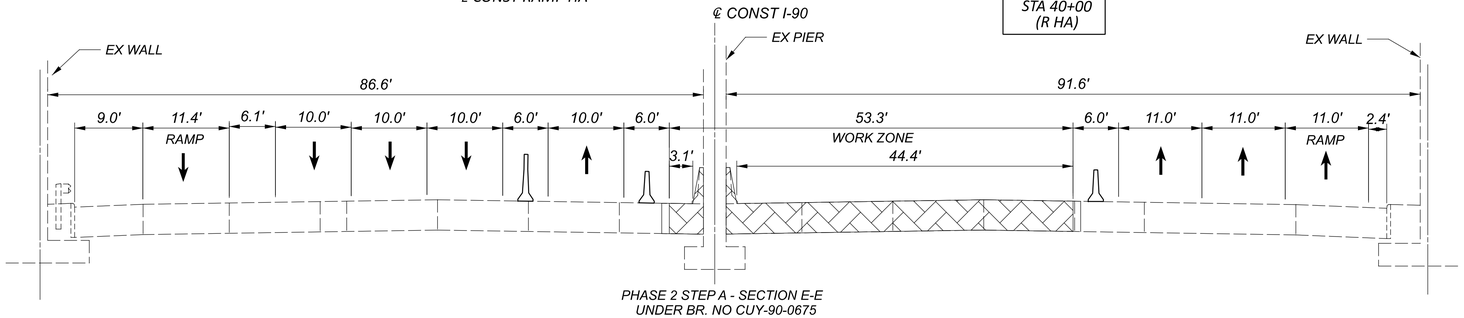
PHASE 2 STEP A - SECTION C-C
STA 540+15



PHASE 2 STEP A - SECTION D-D
STA 543+10

CONSTRUCTION UNDER THIS PHASE





PHASE 2 STEP A - SECTION E-E
UNDER BR. NO CUY-90-0675
WOOSTER RD

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. DON'T INSTALL MEDIAN BARRIER BETWEEN STA 540+00 AND STA 545+70, USE PB INSTEAD

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 538+50 TO STA 551+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0134 TOTAL P.1587

CUY-90-6.69

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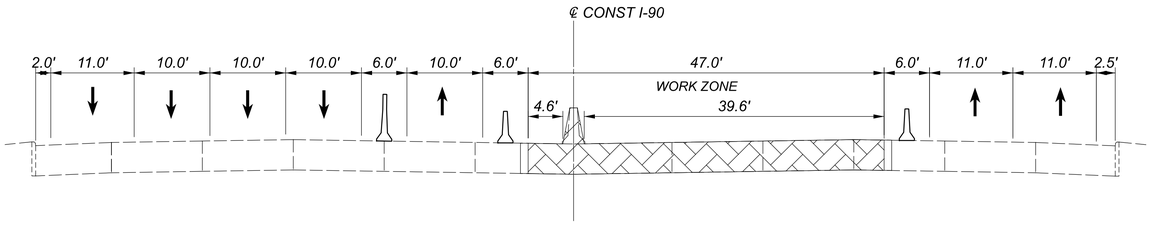
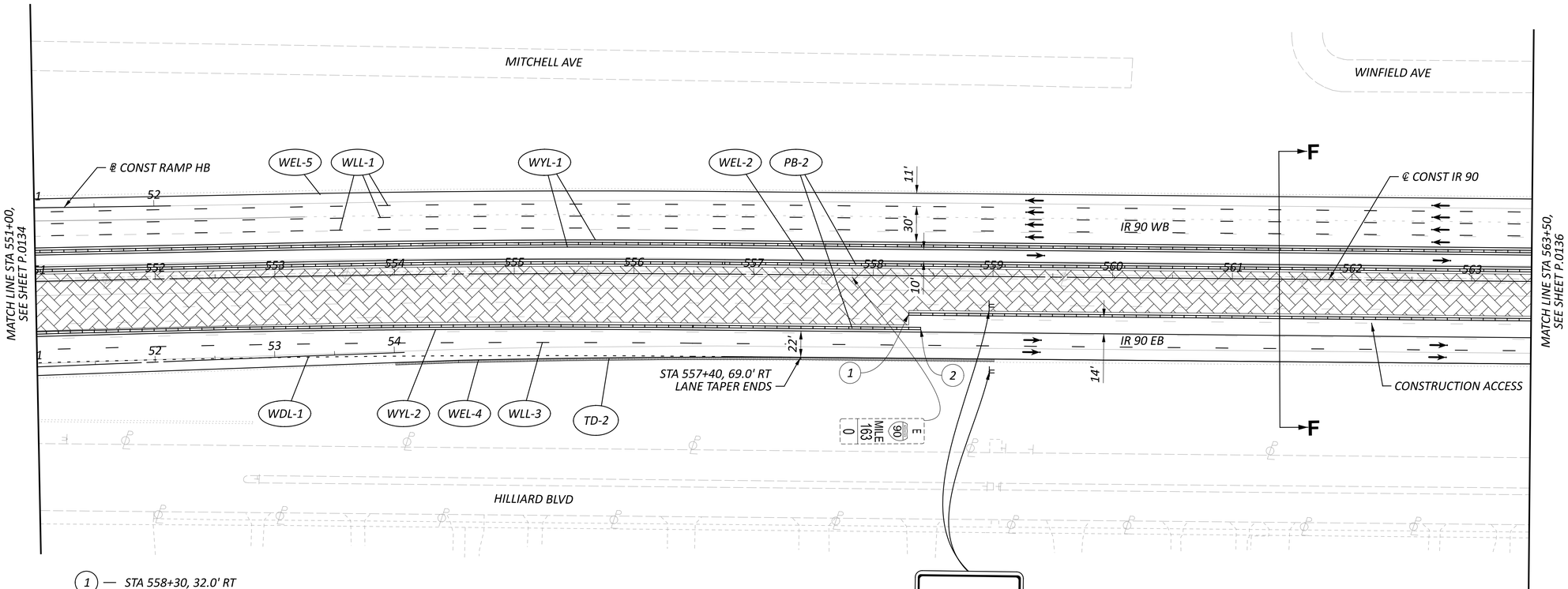


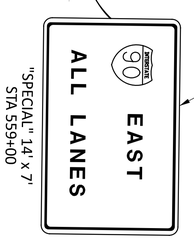
PHASE 2 STEP A - SECTION F-F
STA 561+40



1 — STA 558+30, 32.0' RT
PB BEGINS

2 — STA 558+40, 44.0' RT
PB ENDS

TD-2 — TROUGH, WIDTH - 12.0",
DEPTH - 2.0", LENGTH 500'
BEGIN STA 554+00
END STA 559+02



"SPECIAL" 14' x 7'
STA 559+00

COVER SIGN DURING
STAGE 1 PHASE 2 STEP B

CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 551+00 TO STA 563+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0135 TOTAL P.1587

CUY-90-6.69

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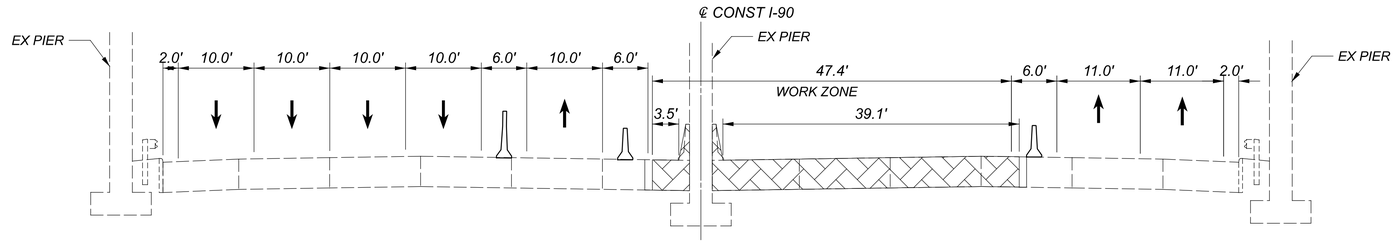
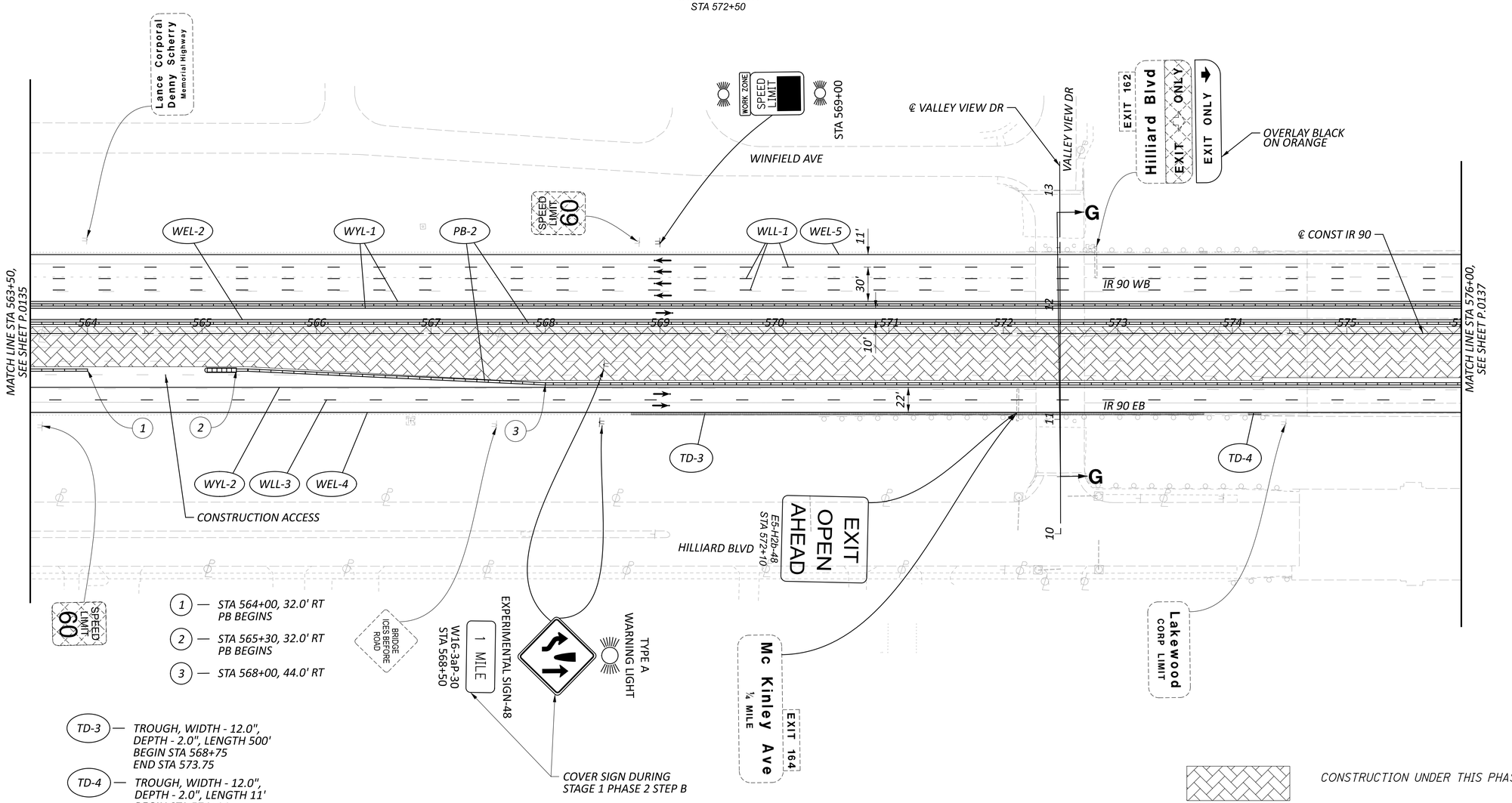


PHASE 2 STEP A - SECTION G-G
UNDER BR. NO. CUY-90-0745
VALLEY VIEW DR
STA 572+50



1 — STA 564+00, 32.0' RT
PB BEGINS

2 — STA 565+30, 32.0' RT
PB BEGINS

3 — STA 568+00, 44.0' RT

TD-3 — TROUGH, WIDTH - 12.0",
DEPTH - 2.0", LENGTH 500'
BEGIN STA 568+75
END STA 573.75

TD-4 — TROUGH, WIDTH - 12.0",
DEPTH - 2.0", LENGTH 11'
BEGIN STA 574+14
END STA 574+25

CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 563+50 TO STA 576+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0136 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 06 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:50:54 AM USER: jday
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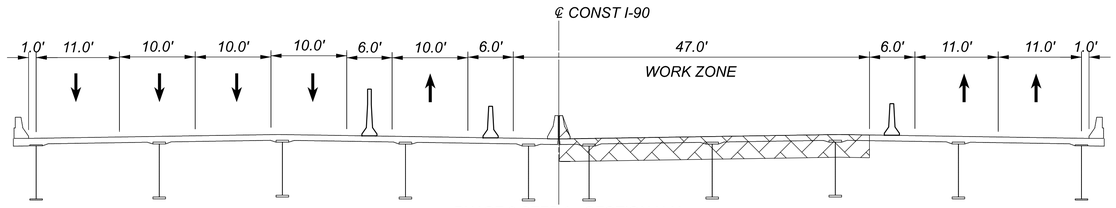
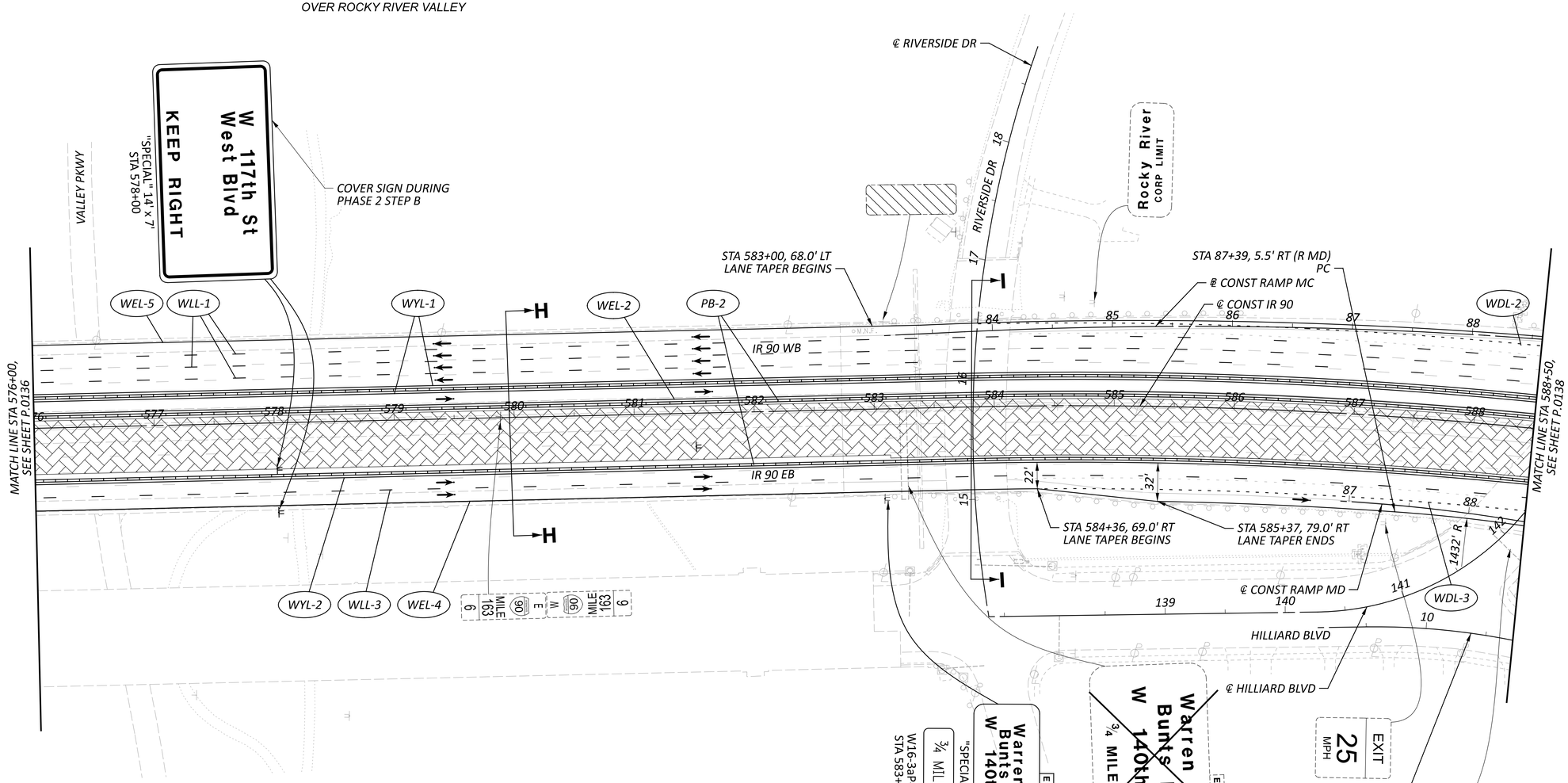
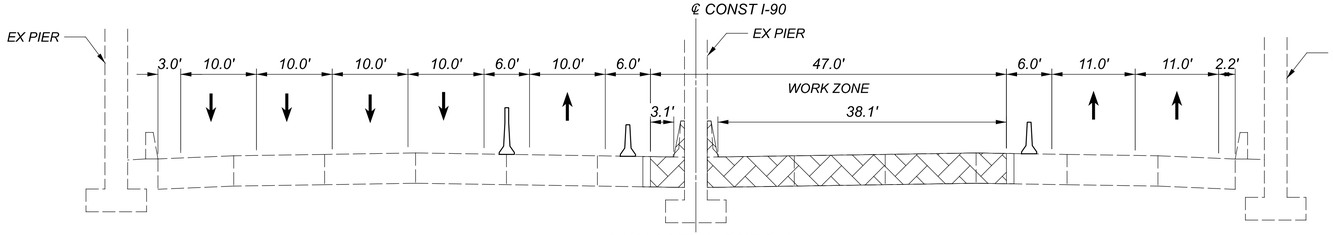


PHASE 2 STEP A - SECTION H-H
BR. NO. CUY-90-0758
OVER ROCKY RIVER VALLEY





PHASE 2 STEP A - SECTION I-I
UNDER BR. NO. CUY-90-0767
RIVERSIDE DR
STA 583+80

CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 576+00 TO STA 588+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0137 TOTAL P.1587

CUY-90-6.69

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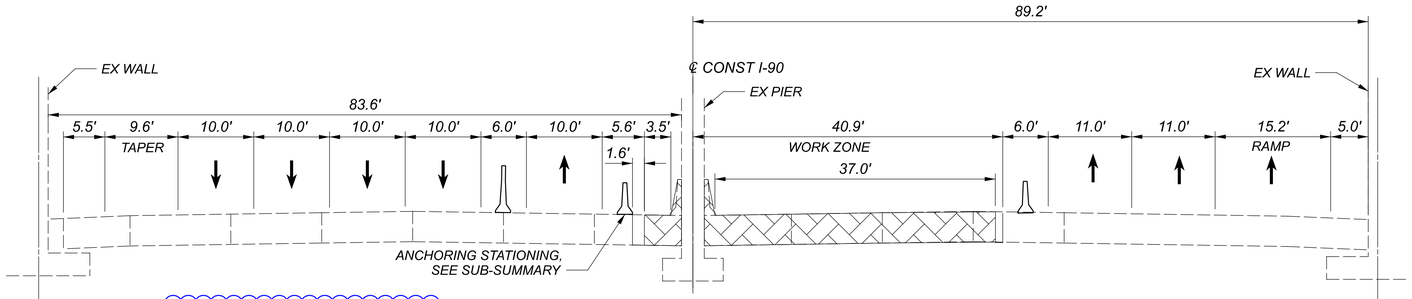
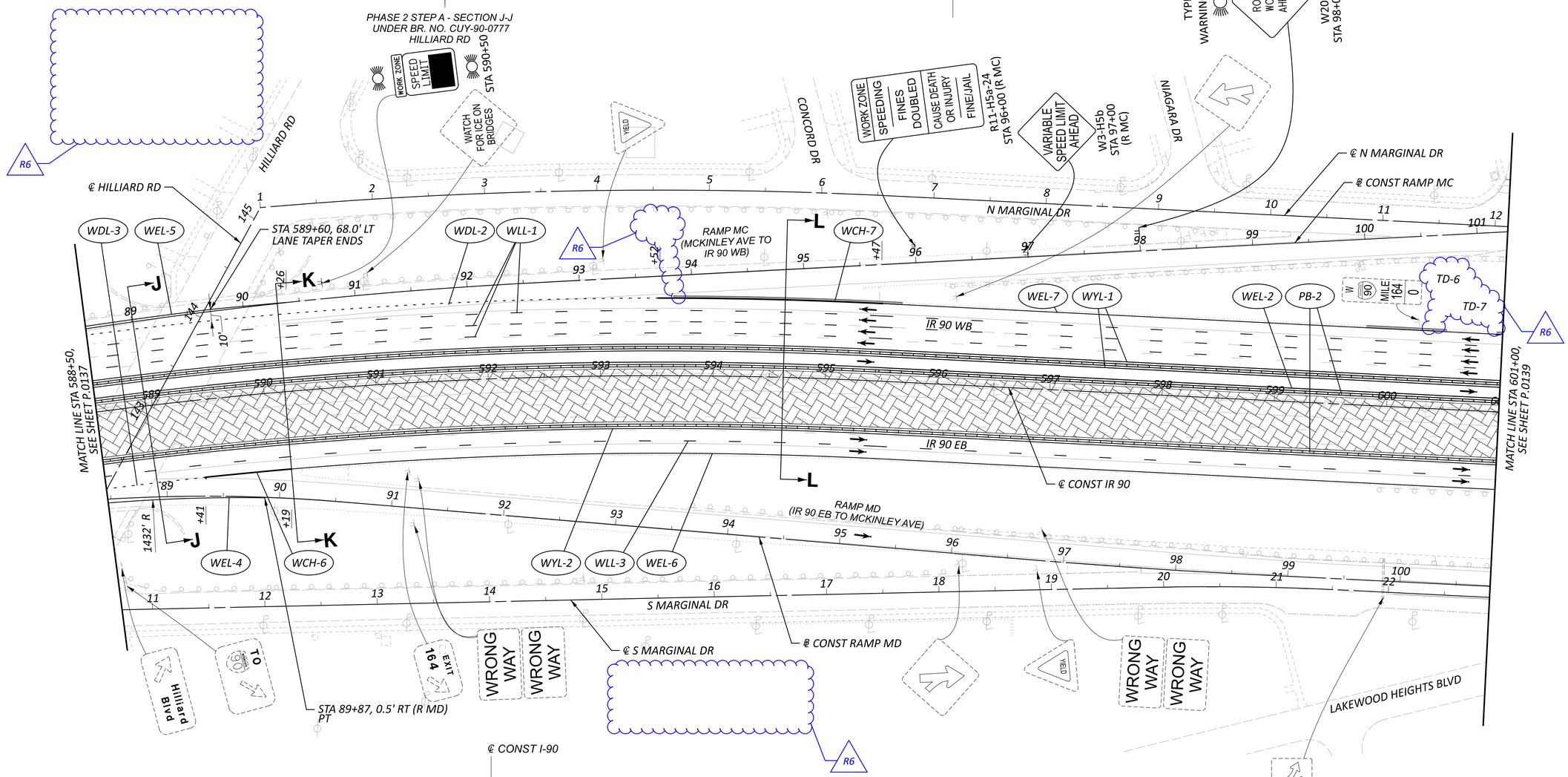
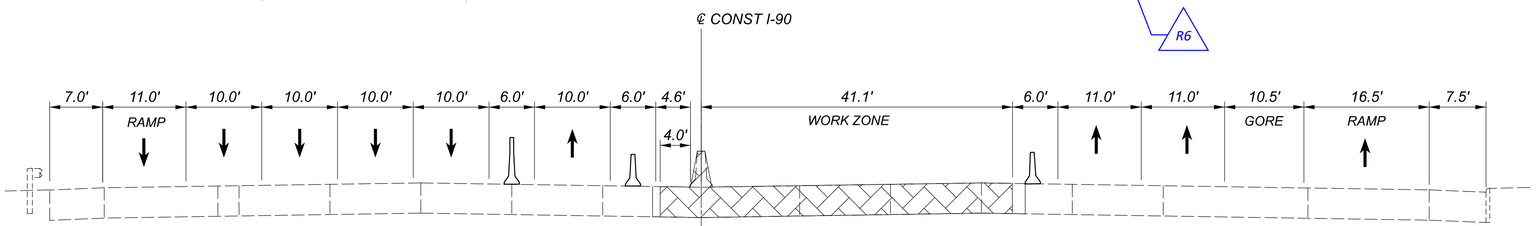


PHASE 2 STEP A - SECTION J-J
UNDER BR. NO. CUY-90-0777
HILLIARD RD





PHASE 2 STEP A - SECTION K-K
STA 590+20

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 588+50 TO STA 601+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.
DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0138 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 08 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:05 AM USER: jday
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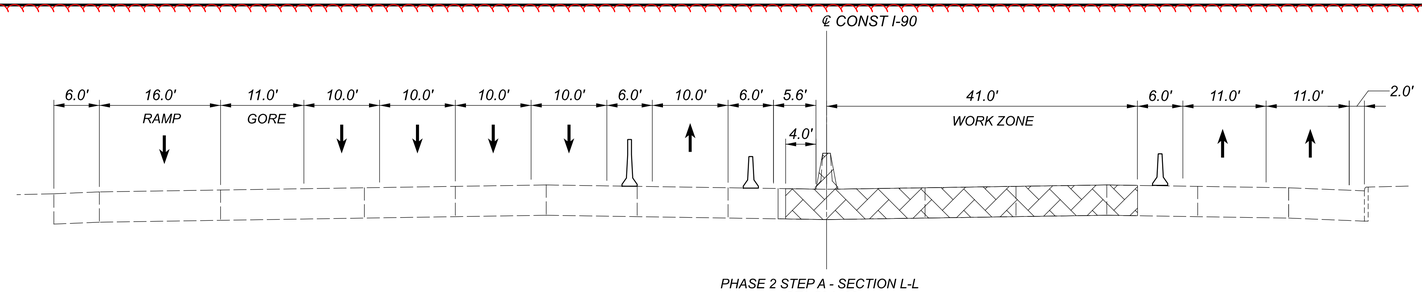
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 601+00 TO STA 613+50



HORIZONTAL SCALE IN FEET
0 25 50 100

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. LOCATION OF CRITICAL SECTION L-L CAN BE FOUND ON PREVIOUS PAGE.

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0139 TOTAL P.1587

CUY-90-9.69

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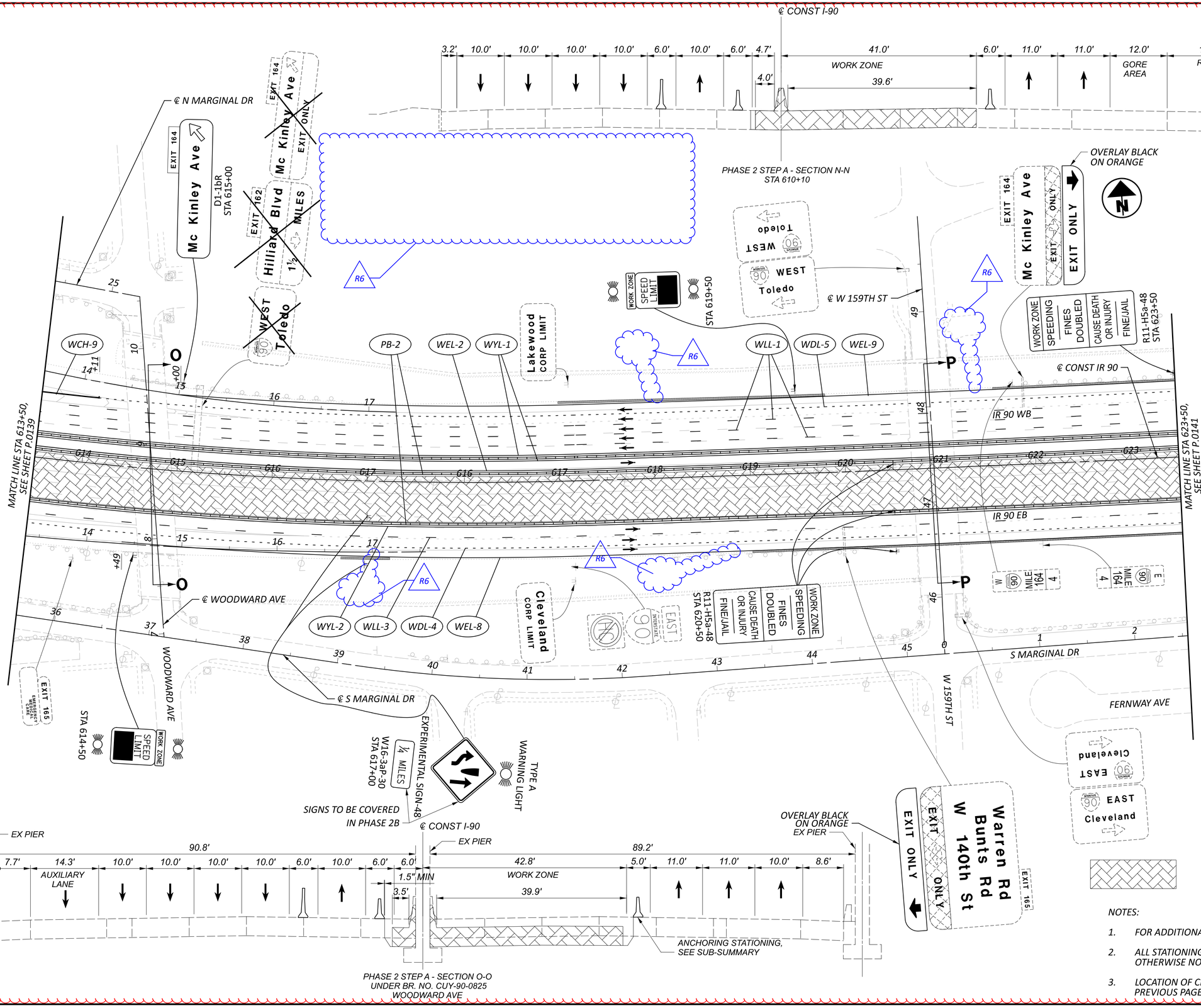

HORIZONTAL SCALE IN FEET
0 25 50 100

CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. LOCATION OF CRITICAL SECTION N-N CAN BE FOUND ON PREVIOUS PAGE.

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 613+50 TO STA 623+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0140 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 10 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:16 AM USER: jday
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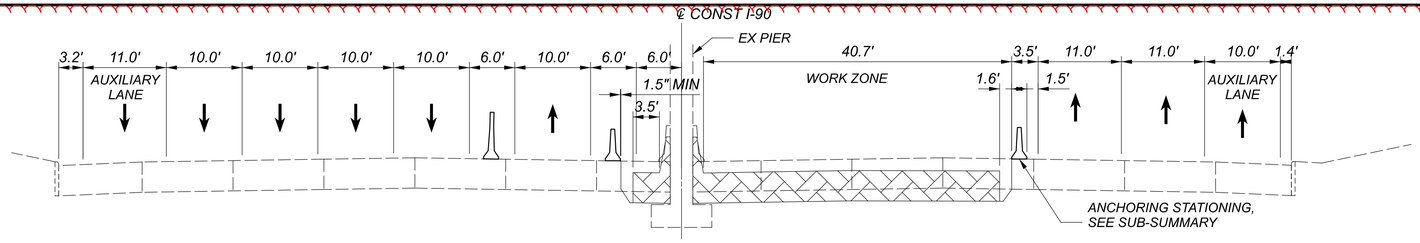
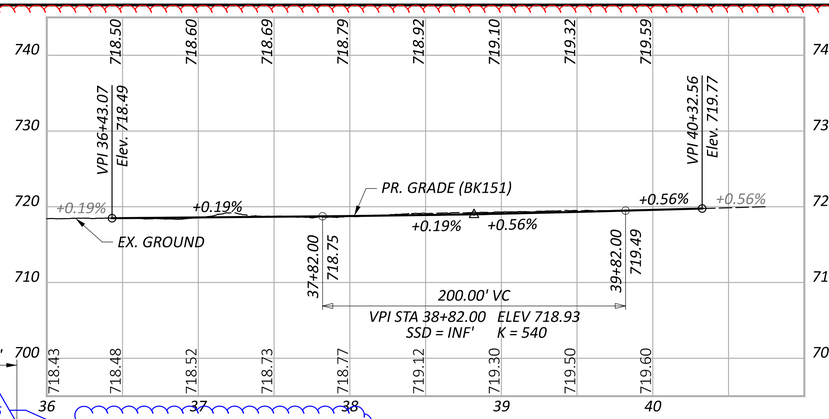
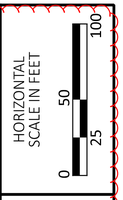


PHASE 2 STEP A - SECTION P-P
UNDER BR. NO. CUY-90-0844
WEST 159TH ST

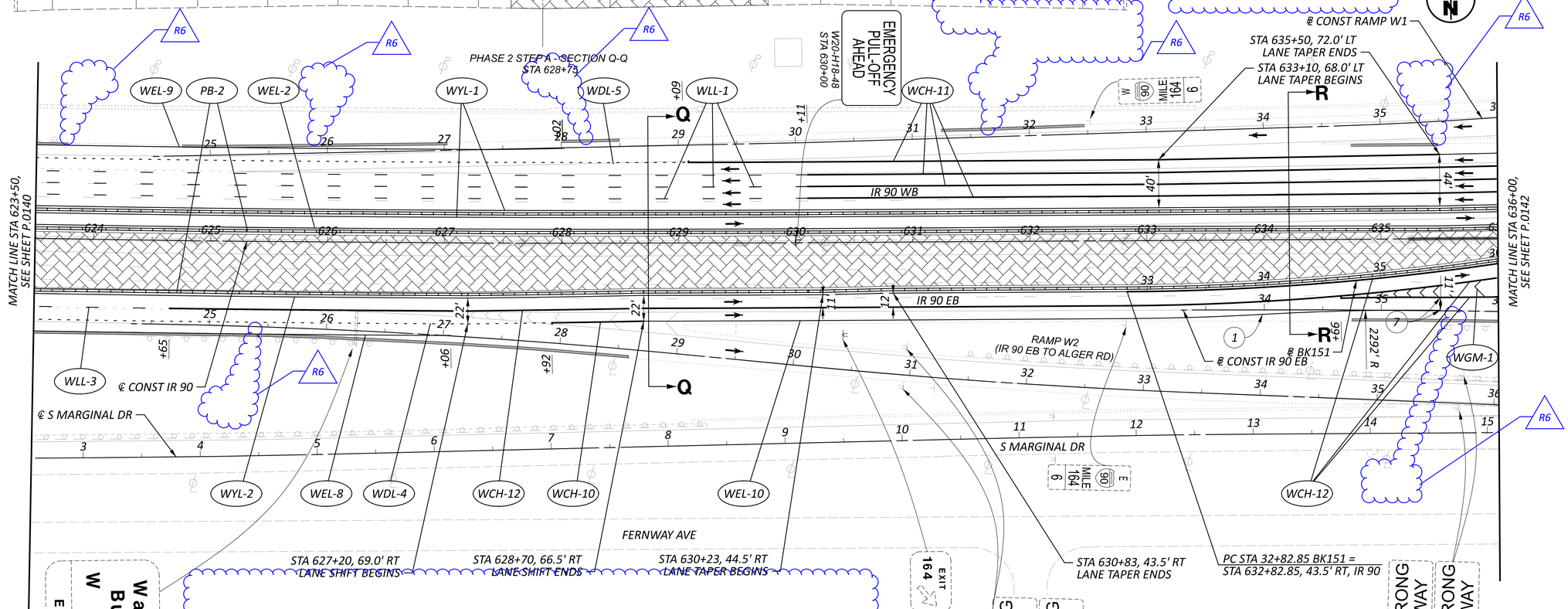




MAINTENANCE OF TRAFFIC PHASE 2A
STA 623+50 TO STA 636+00

℄ CONST I-90
6.0' 14.3' 1.5' 10.0' 10.0' 10.0' 10.0' 6.0' 10.0' 6.0' 6.0'
AUXILIARY LANE
4.0'
38.5'
WORK ZONE
37.1'
6.0' 11.0' 11.0' 9.9' 16.0' 7.0'
GORE AREA
RAMP

PHASE 2 STEP A - SECTION Q-Q
STA 628+75



℄ CONST I-90
6.0' 15.2' 12.8' 10.5' 10.5' 10.5' 10.5' 6.0' 10.5' 5.5' 6.1' 33.3' 6.0' 12.0' 11.0' 7.0'
RAMP
GORE
WORK ZONE
4.0'
8.6'

(1) — STA 33+98.50, 4.0 RT
PC

(7) — STA 35+50.00, ℄ AND 11.0' LT (BK 151)
PT AND LANE TAPER BEGINS

PHASE 2 STEP A - SECTION R-R
STA 634+20

CONSTRUCTION UNDER THIS PHASE

℄ CONST 90 EB

CURVE DATA BK151

PI = STA 34+72.03	PI = STA 38+46.86
Δ = 09°26'15" LT	Δ = 09°18'18" RT
Dc = 02°30'00"	Dc = 02°30'00"
R = 2,291.83'	R = 2,291.83'
T = 189.18'	T = 186.51'
L = 377.50'	L = 372.2'
E = 7.79'	E = 7.58'

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. LOCATION OF CRITICAL SECTION P-P CAN BE FOUND ON PREVIOUS PAGE.

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET / TOTAL	P.0141 / P.1587

CUY-90-6.69

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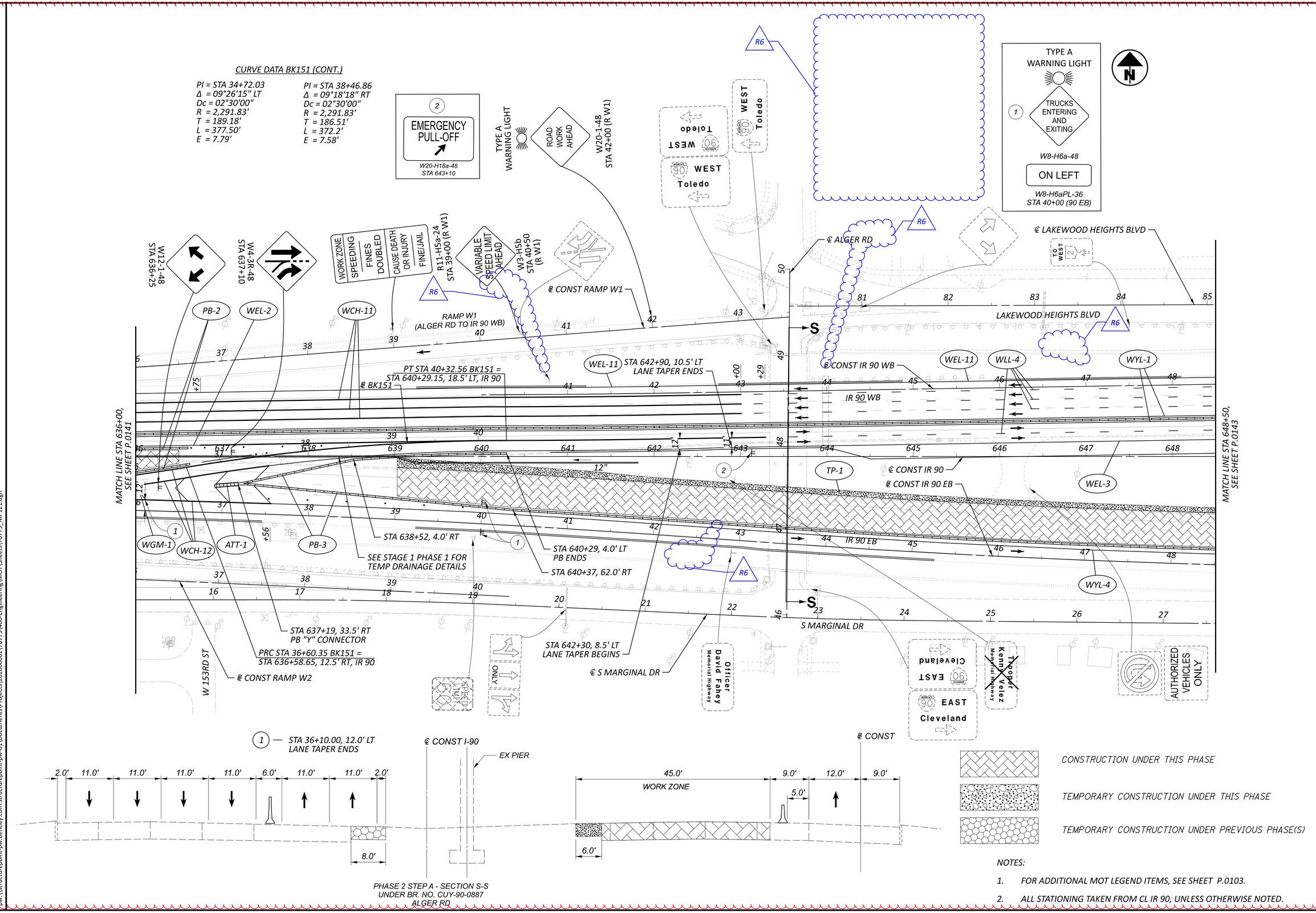

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET 0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A
STA 636+00 TO STA 648+50

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: DMS

REVIEWER: RDC 04/14/23

PROJECT ID: 76779

SHEET: P.0142 TOTAL: P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 12 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:30 AM USER: jday
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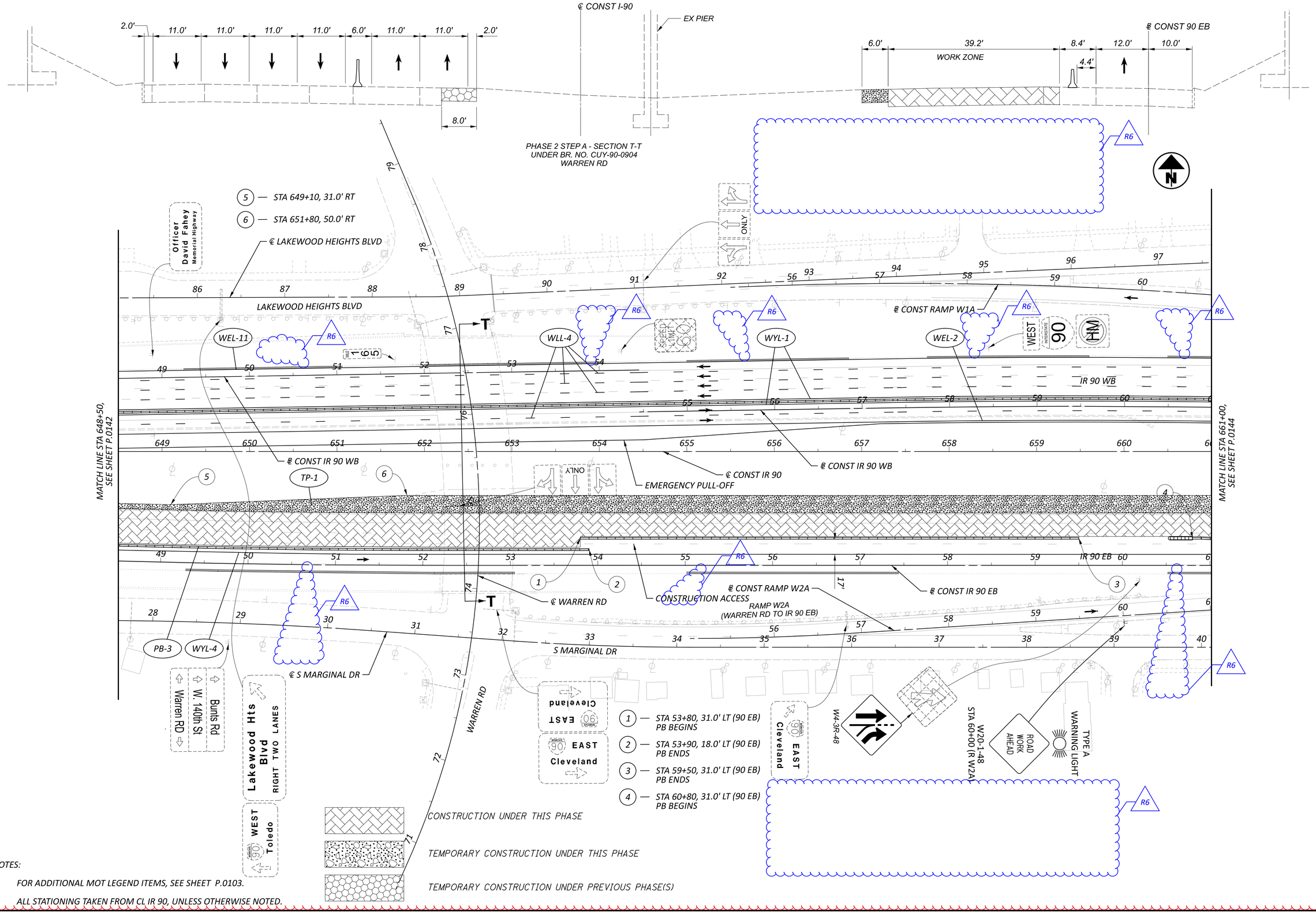

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 648+50 TO STA 661+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
DMS

REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0143 | TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:35 AM USER: jday
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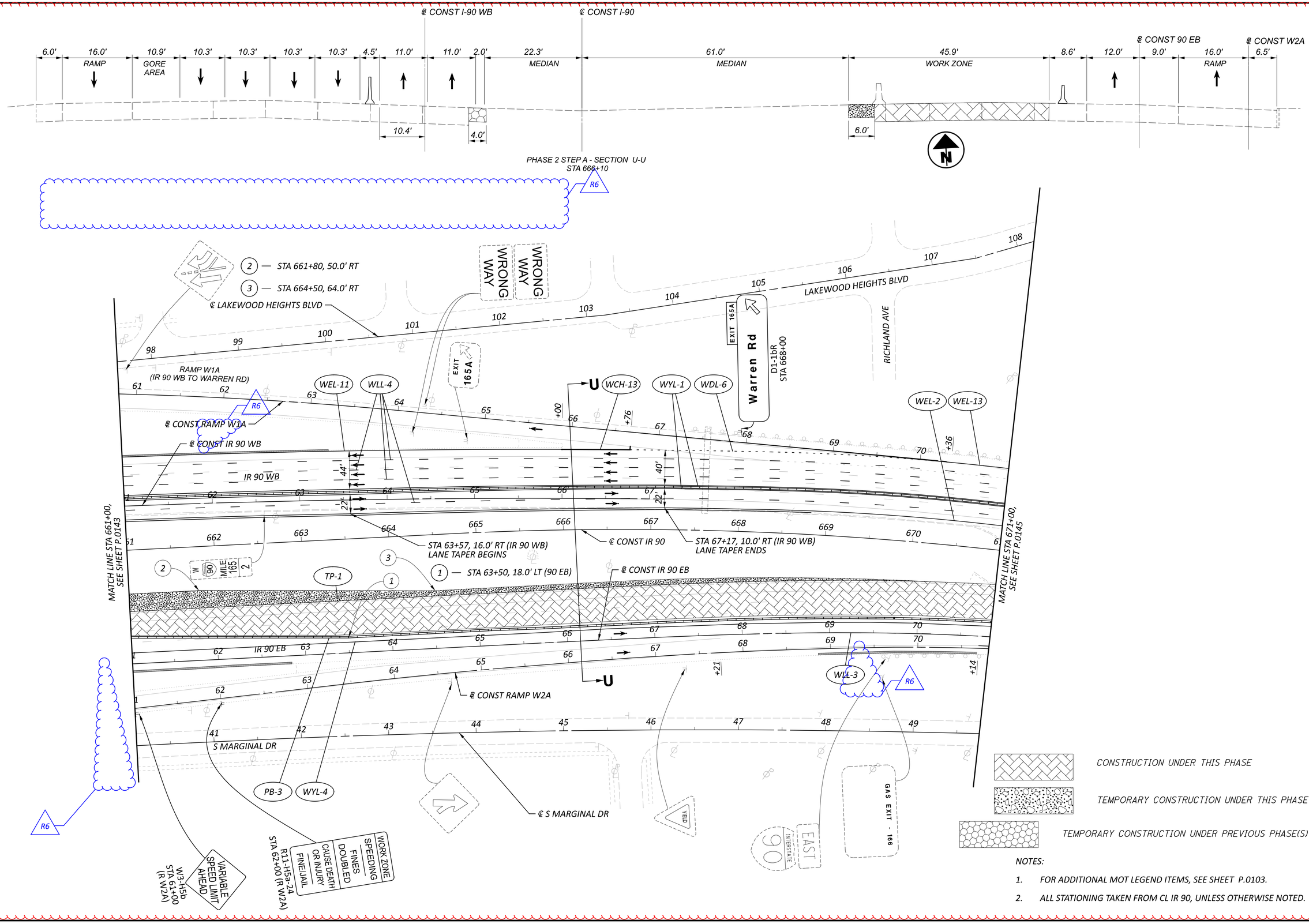

CONSTRUCTION UNDER THIS PHASE

TEMPORARY CONSTRUCTION UNDER THIS PHASE

TEMPORARY CONSTRUCTION UNDER PREVIOUS PHASE(S)

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 661+00 TO STA 671+00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
DMS

REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0144 | TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 14 |Sheet| PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:40 AM USER: jdav
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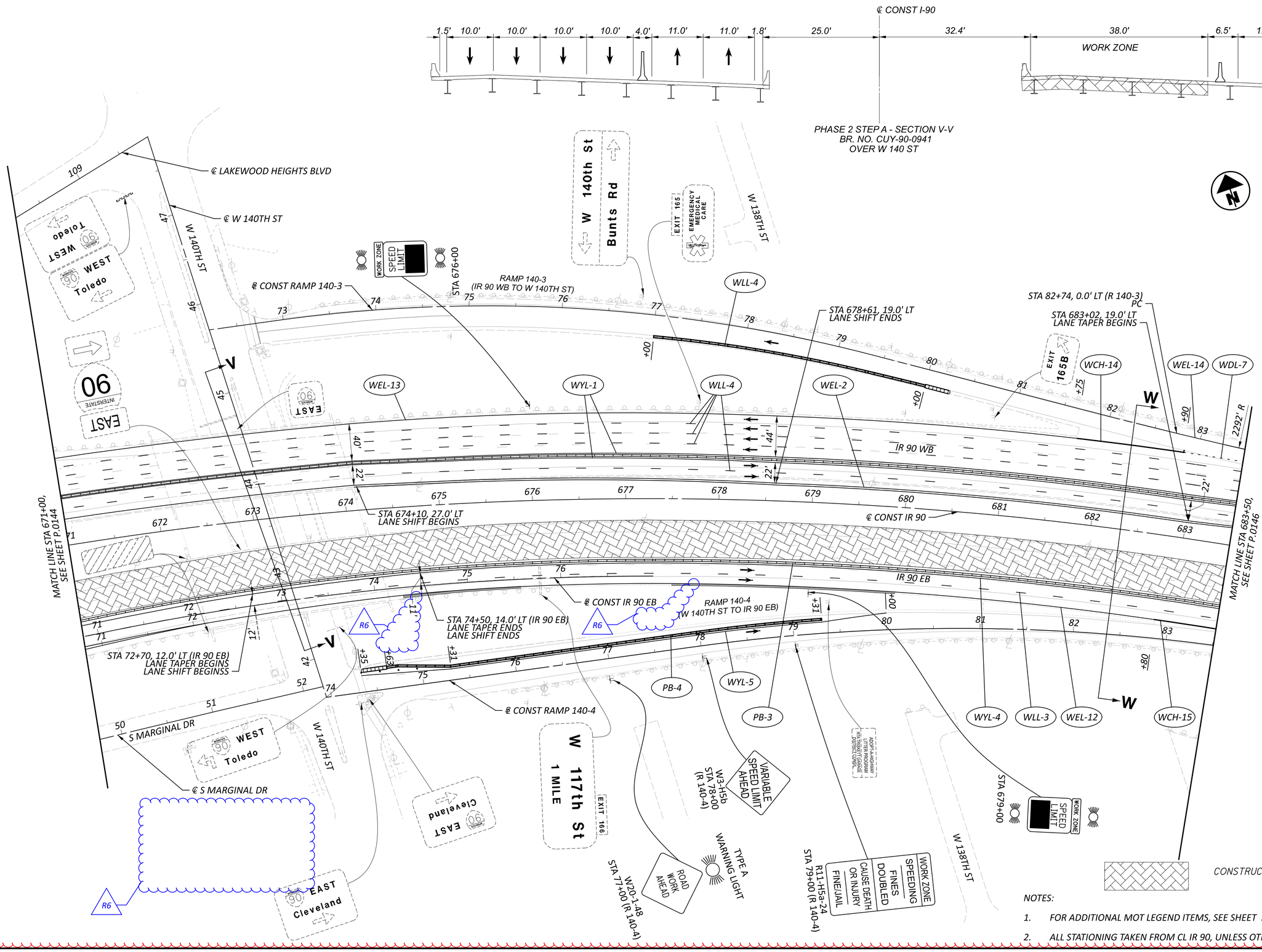

CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 671+00 TO STA 683+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
DMS

REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0145 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:44 AM USER: jday
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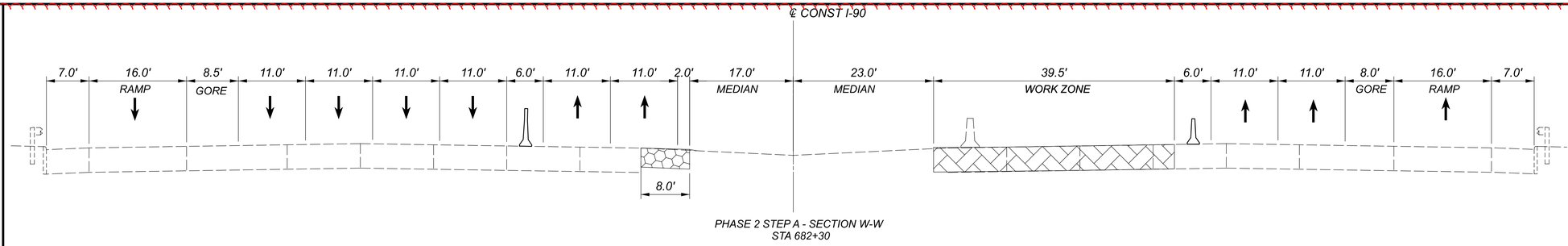
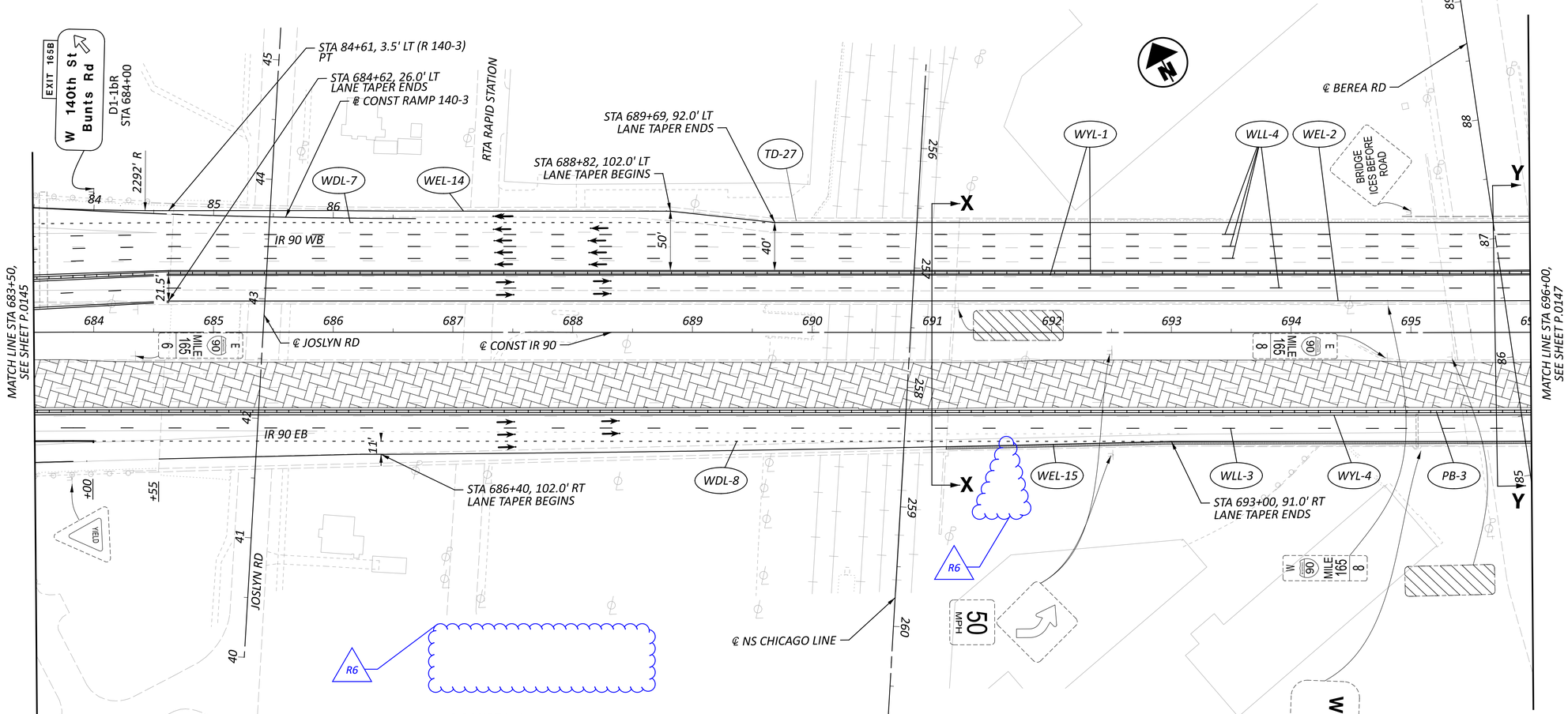
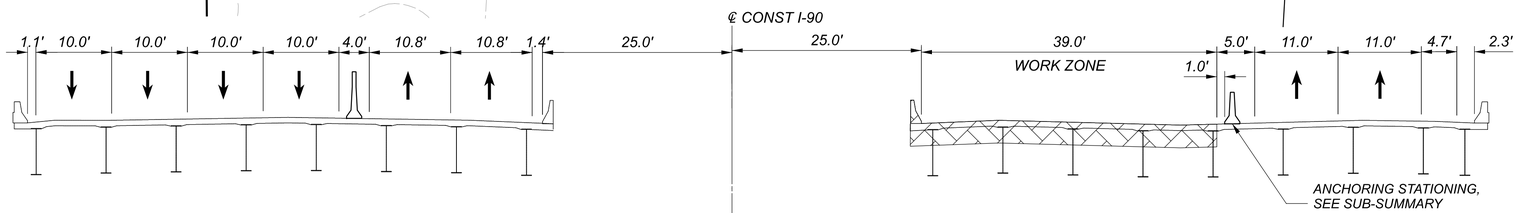


PHASE 2 STEP A - SECTION W-W
STA 682+30





PHASE 2 STEP A - SECTION X-X
BR. NO. CUY-90-0965
OVER JOSLYN RD AND RAILROAD

CONSTRUCTION UNDER THIS PHASE

TEMPORARY CONSTRUCTION UNDER PREVIOUS PHASE(S)

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. LOCATION OF CRITICAL SECTION W-W CAN BE FOUND ON PREVIOUS PAGE.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 683+50 TO STA 696+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0146 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:48 AM USER: jday
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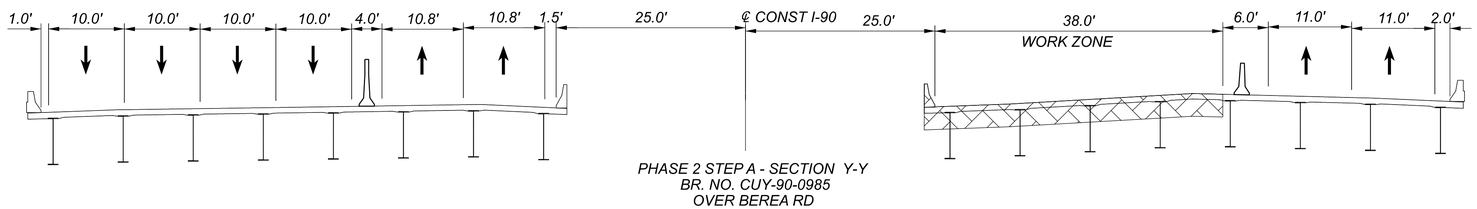
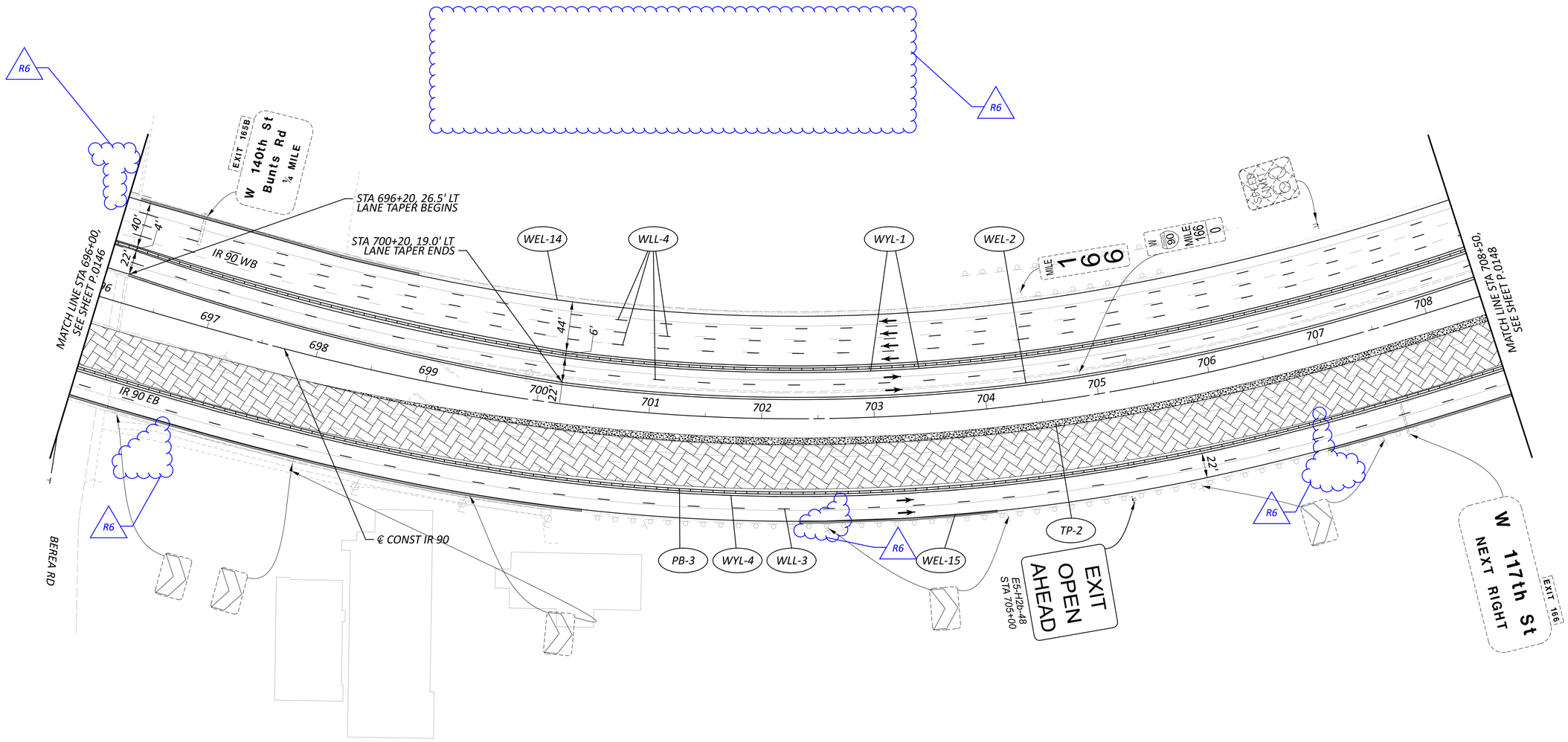


PHASE 2 STEP A - SECTION Y-Y
BR. NO. CUY-90-0985
OVER BEREA RD



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 696+00 TO STA 708+50



CONSTRUCTION UNDER THIS PHASE

TEMPORARY CONSTRUCTION UNDER THIS PHASE

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. LOCATION OF CRITICAL SECTION Y-Y CAN BE FOUND ON PREVIOUS PAGE.

DESIGN AGENCY
MICHIGAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0147 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 17 |Sheet| PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:54 AM USER: jday
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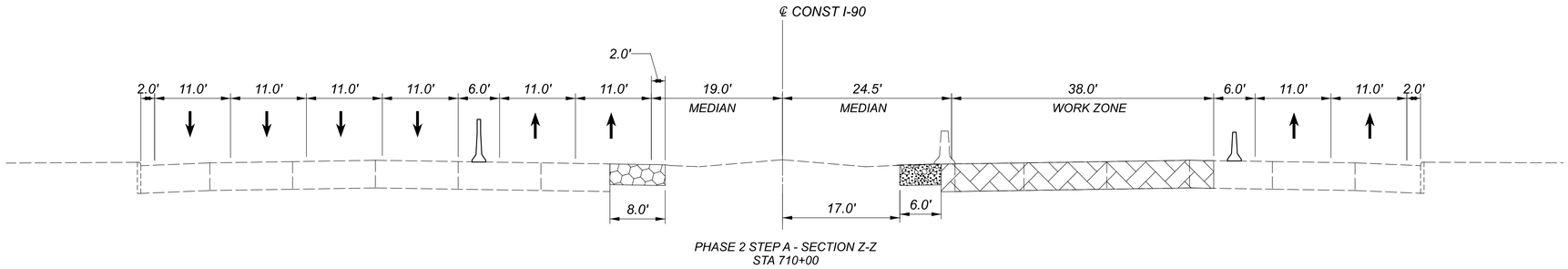
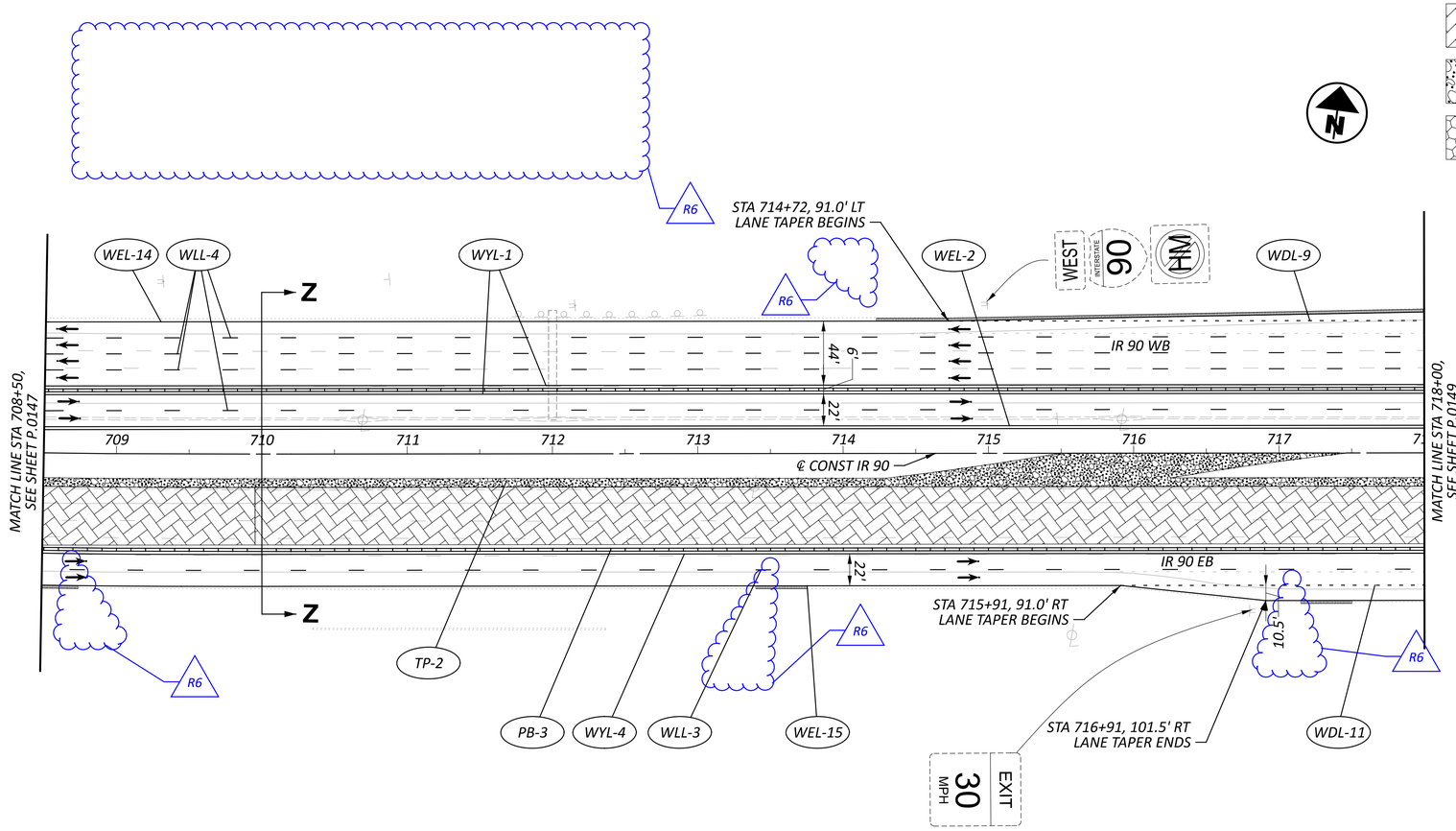


PHASE 2 STEP A - SECTION Z-Z
STA 710+00



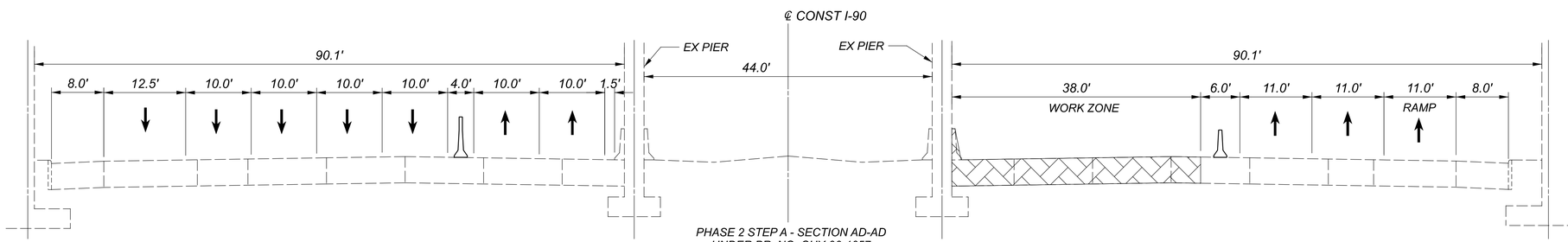
CONSTRUCTION UNDER THIS PHASE

TEMPORARY CONSTRUCTION UNDER THIS PHASE

TEMPORARY CONSTRUCTION UNDER PREVIOUS PHASE(S)

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.



PHASE 2 STEP A - SECTION AD-AD
UNDER BR. NO. CUY-90-1057
WEST 117TH ST

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 708+50 TO STA 718+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0148 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 18 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:51:59 AM USER: jday
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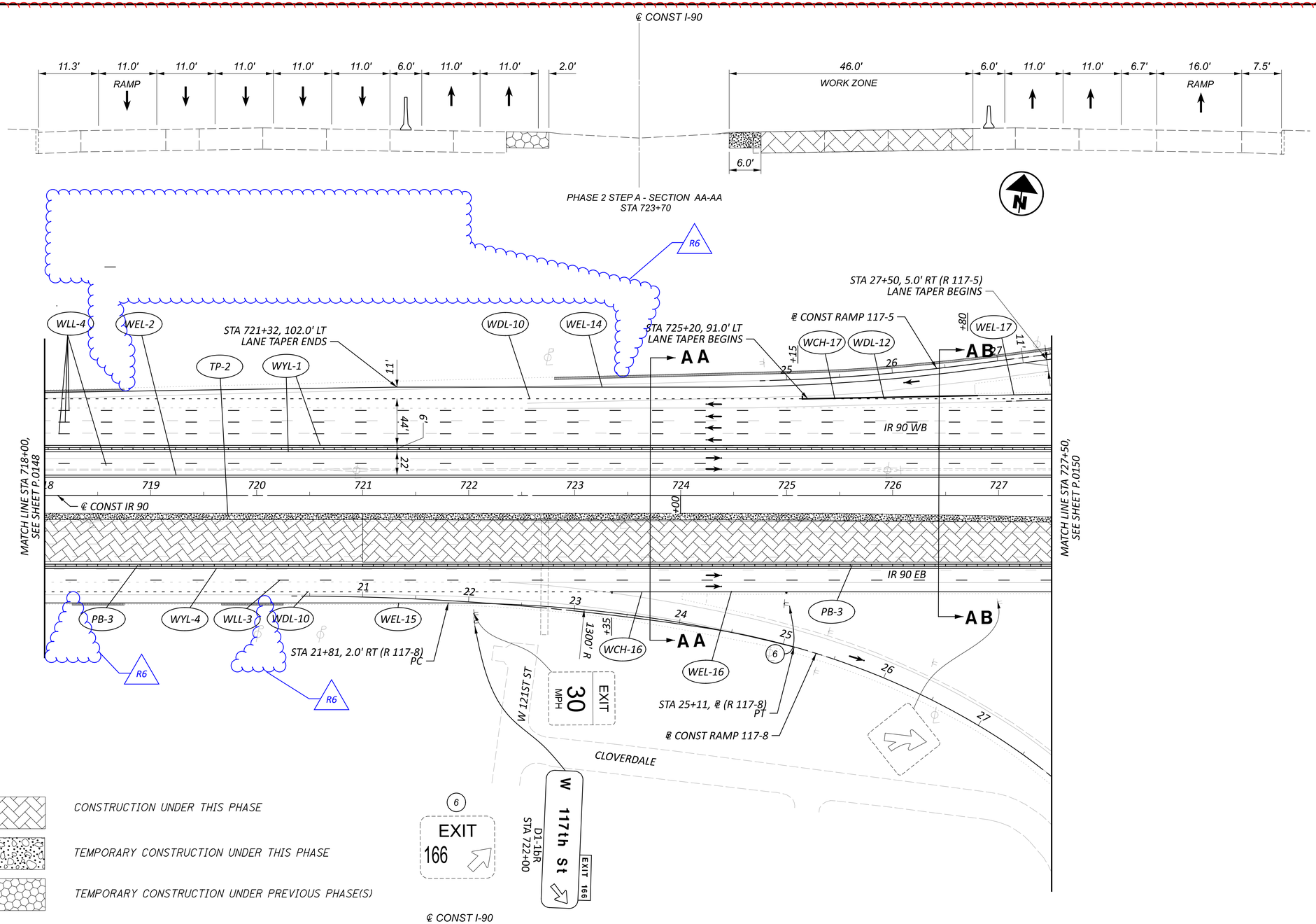
1 — STA 724+00.00, 91.0' RT PC

2 — STA 725+41.00, 87.0' RT PRC

3 — STA 726+80.00, 82.0' RT PT



NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 718+00 TO STA 727+50

DESIGN AGENCY
MICHIGAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0149 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:08 AM USER: jday
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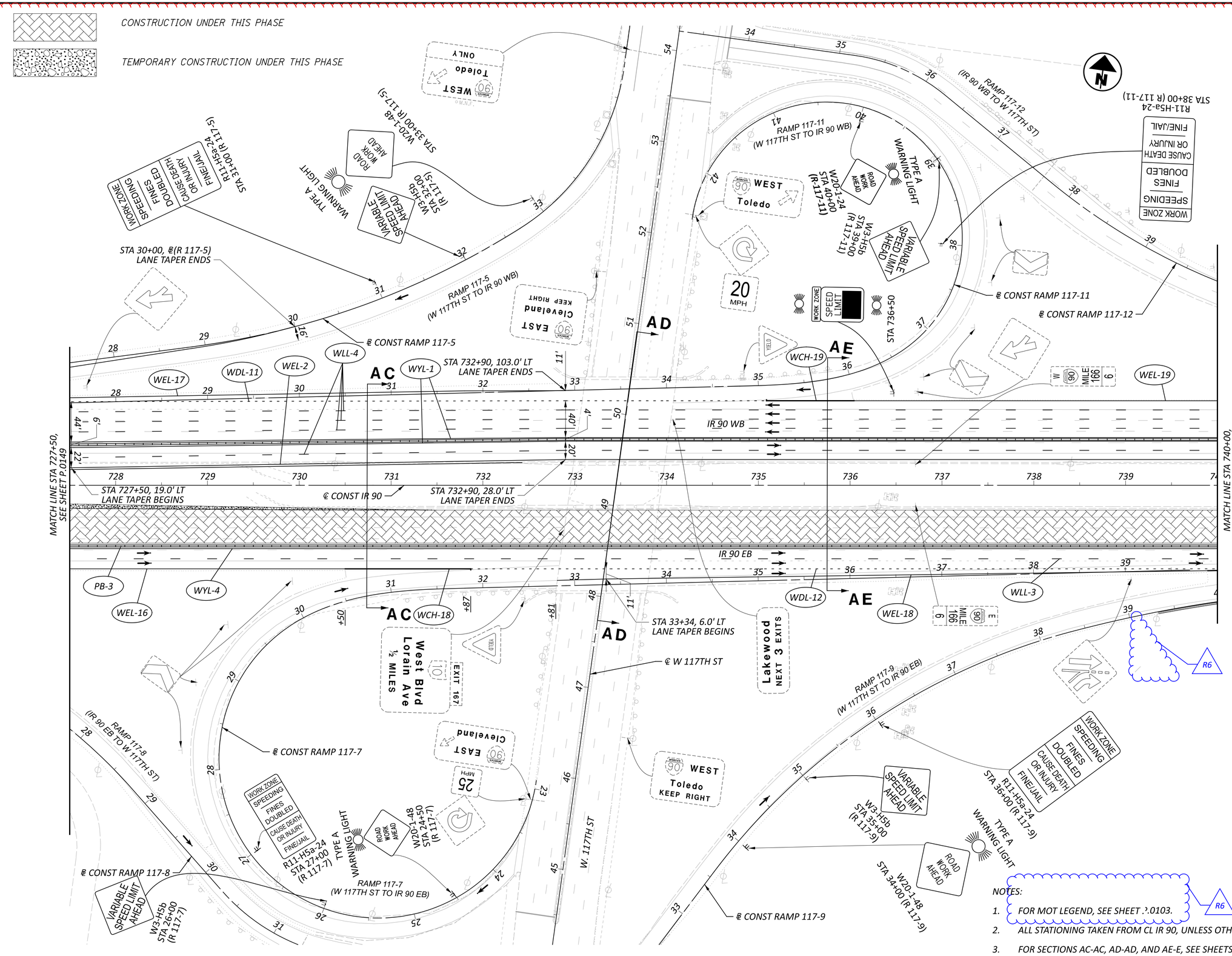

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. FOR SECTIONS AC-AC, AD-AD, AND AE-E, SEE SHEETS P.0155 - P.0156.

HORIZONTAL SCALE IN FEET 0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 727+50 TO STA 740+00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: DMS

REVIEWER: RDC 04/14/23

PROJECT ID: 76779

SHEET: P.0150 TOTAL: P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:13 AM USER: jday
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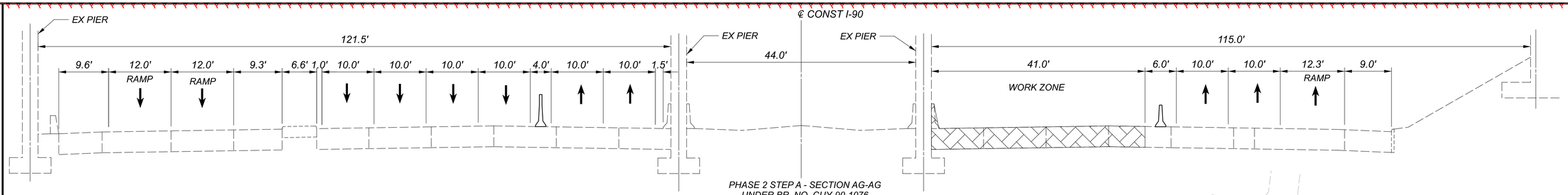
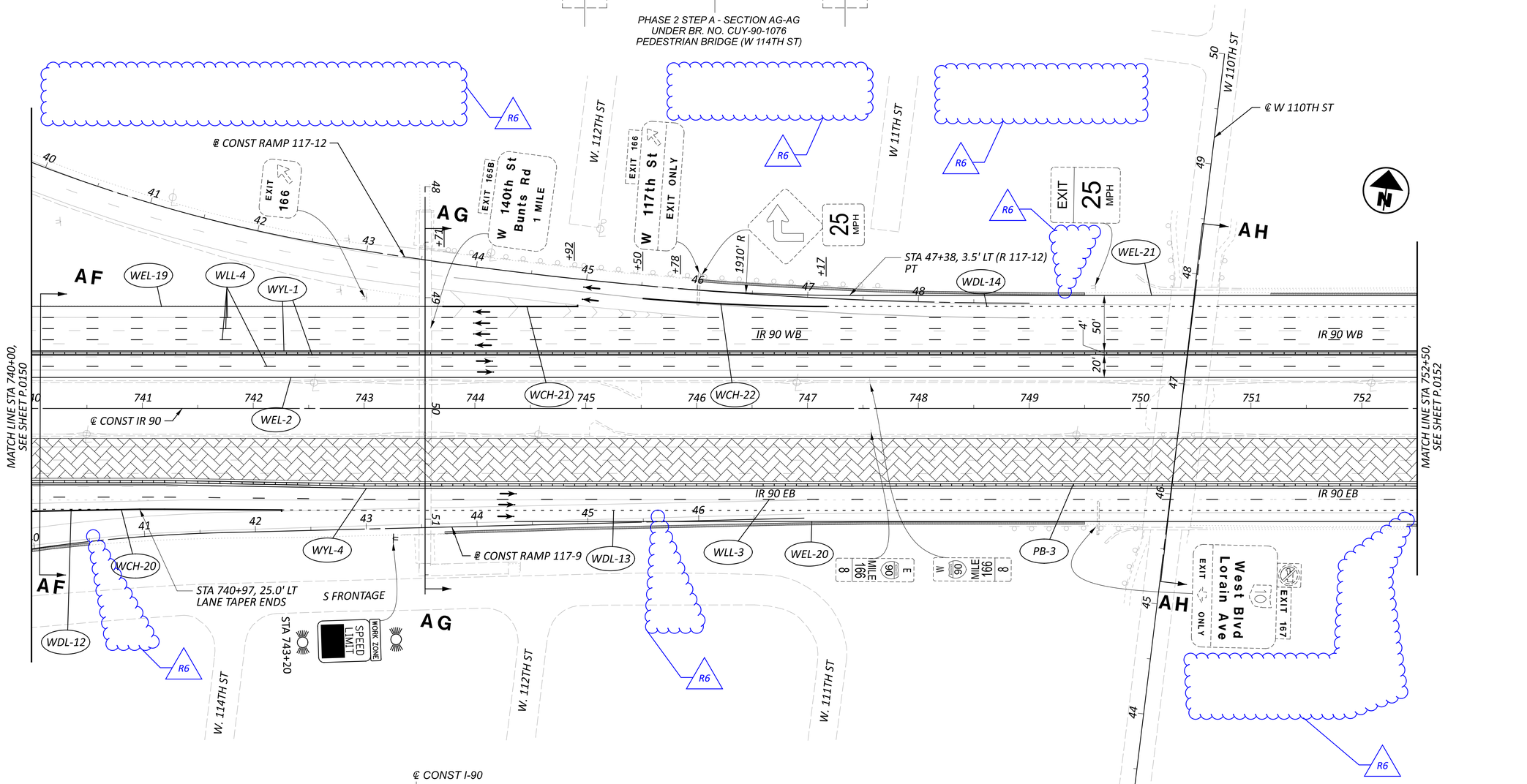
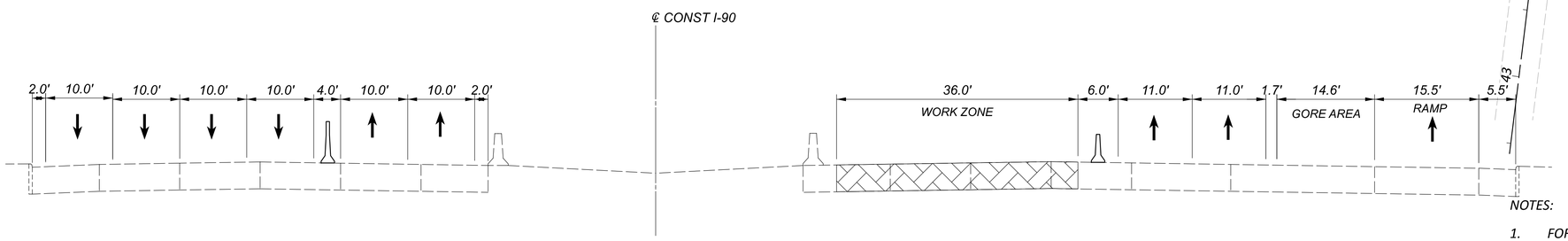


PHASE 2 STEP A - SECTION AG-AG
UNDER BR. NO. CUY-90-1076
PEDESTRIAN BRIDGE (W 114TH ST)





STAGE 2 PHASE 2 STEP A - SECTION AF-AF
STA 740+10

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 740+00 TO STA 752+50

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET	P.0151
TOTAL	P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 21 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:19 AM USER: jday
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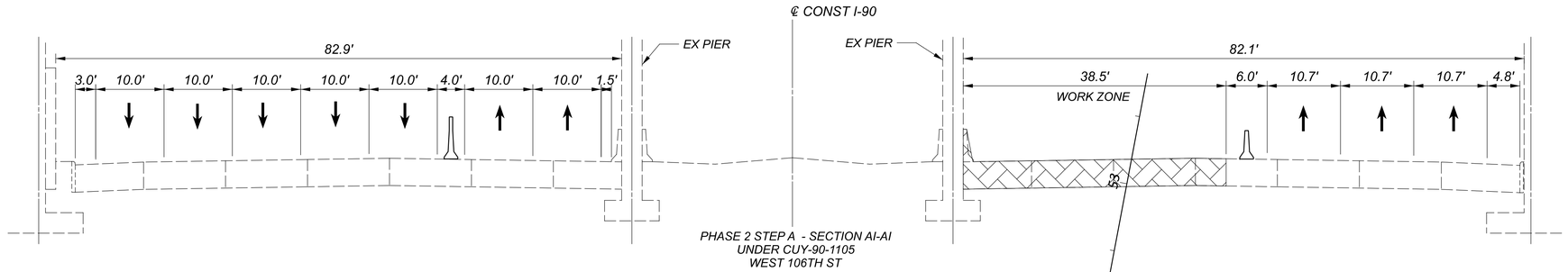

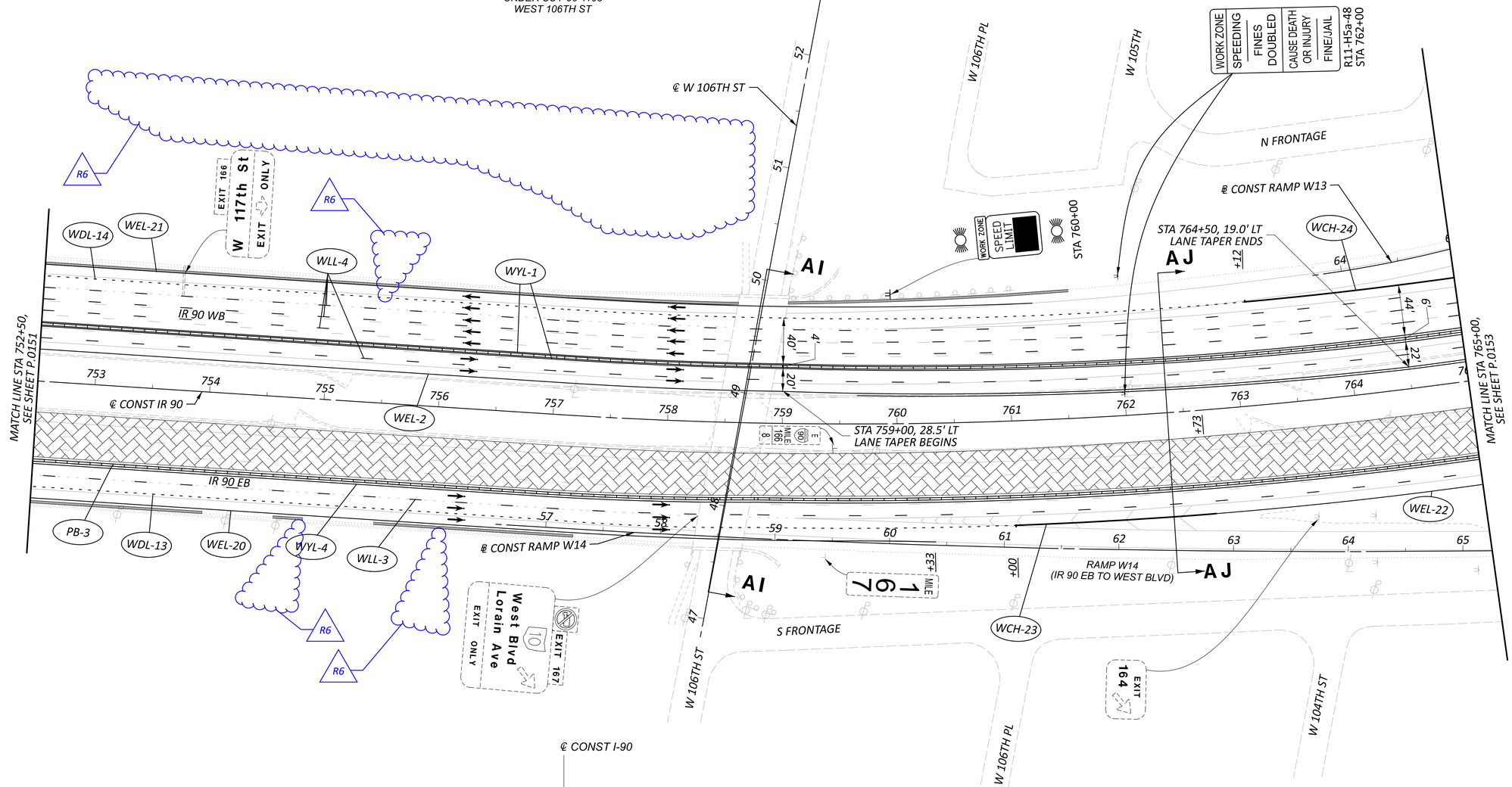

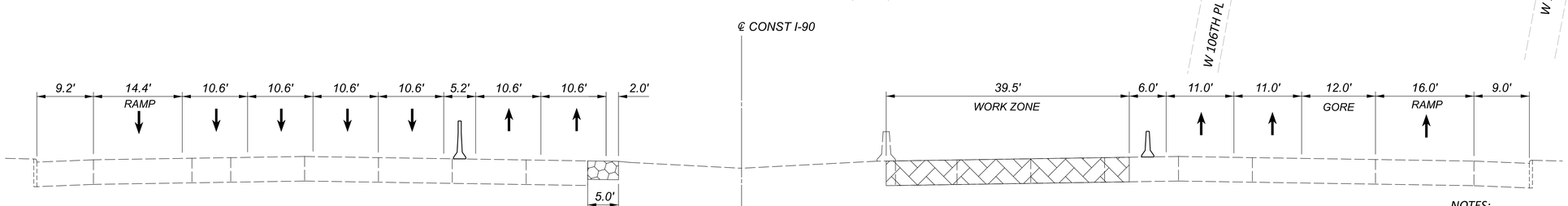

NOTES:

1. *FOR MOT LEGEND, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 752+50 TO STA 765+00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
DMS

REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0152 | TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 22 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:24 AM USER: jday
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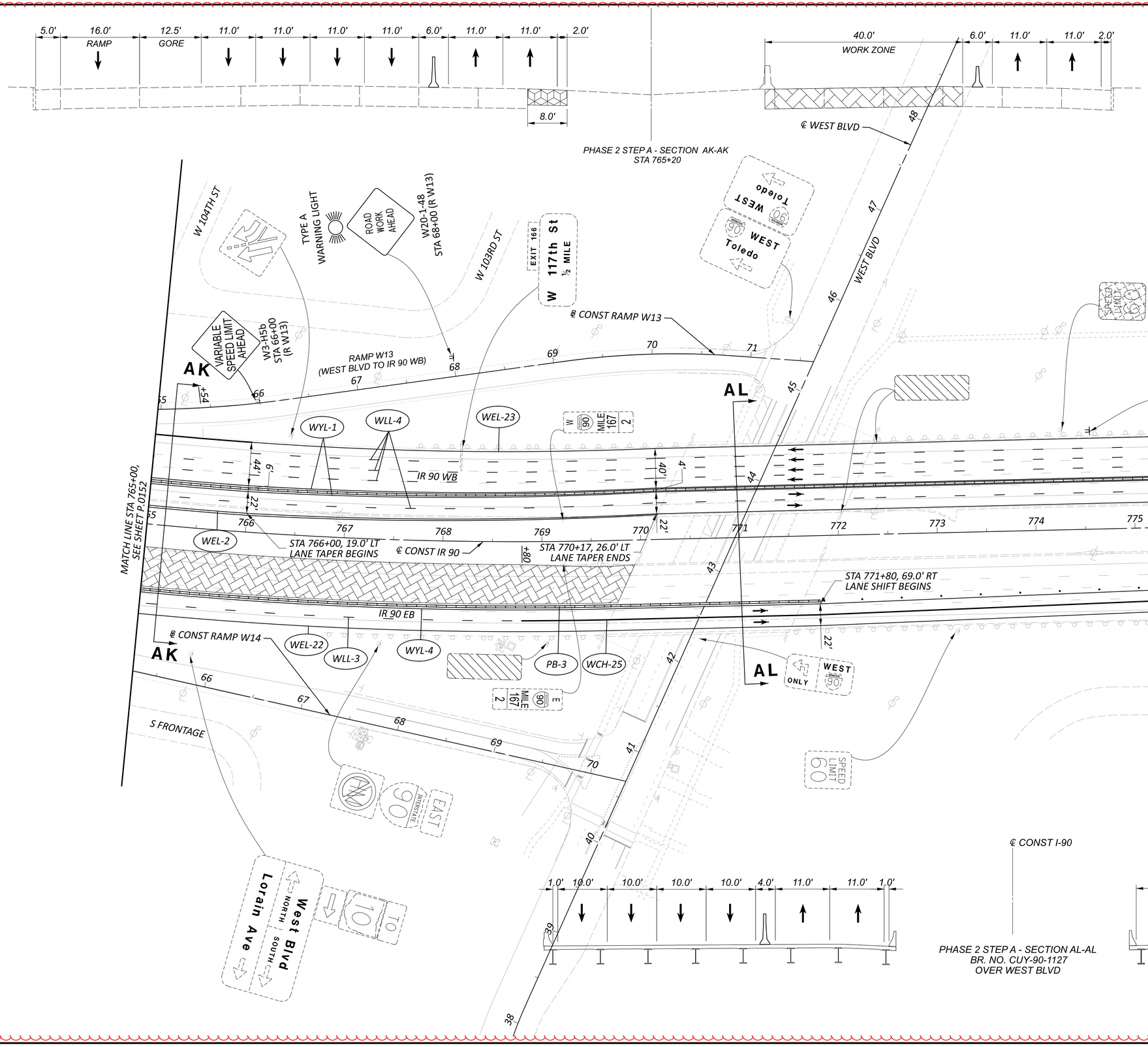

NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 765+00 TO STA 777+50

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0153 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 23 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:30 AM USER: jday
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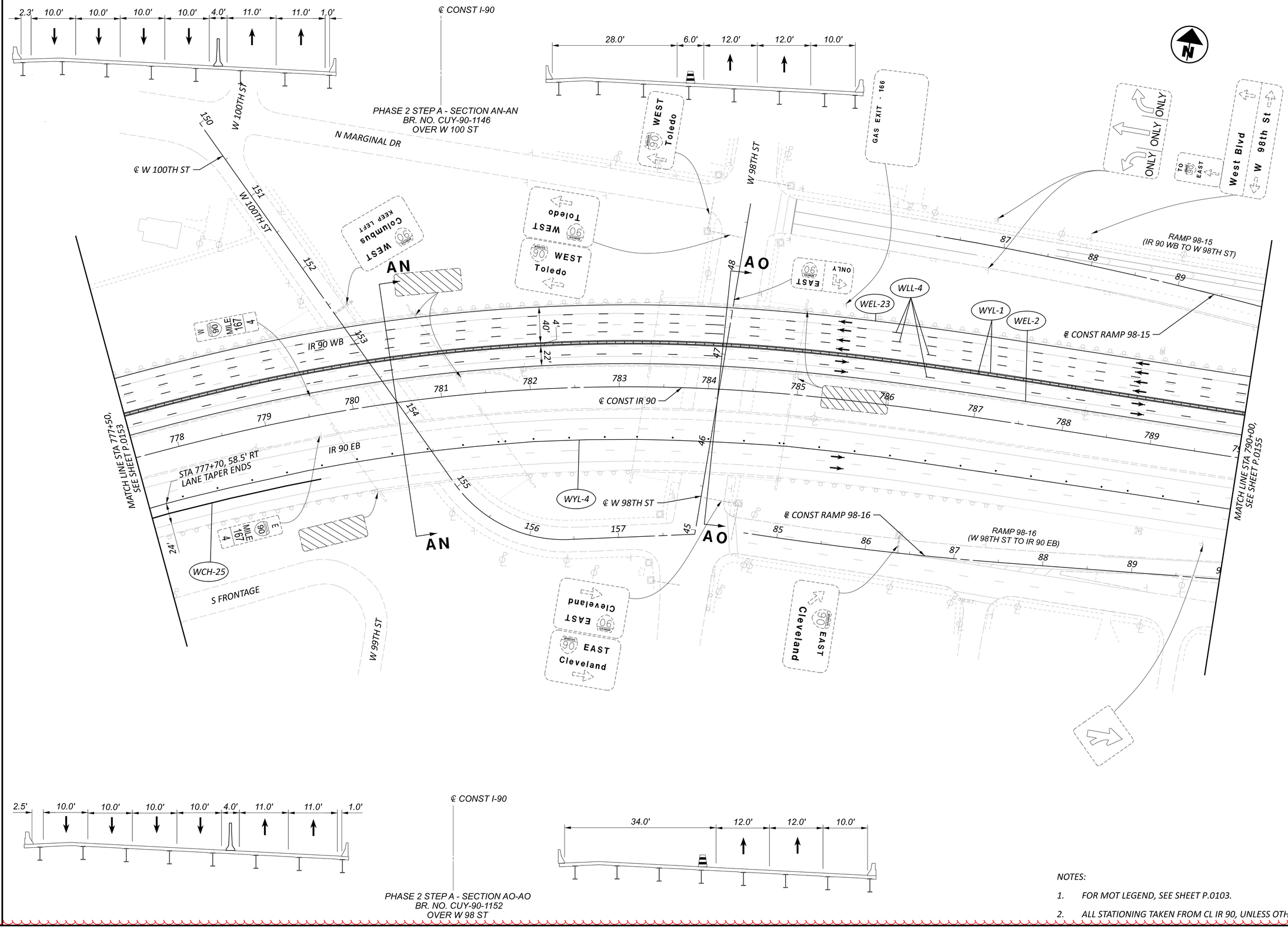

NOTES:

1. *FOR MOT LEGEND, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 777+50 TO STA 790+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0154 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 24 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:35 AM USER: jday
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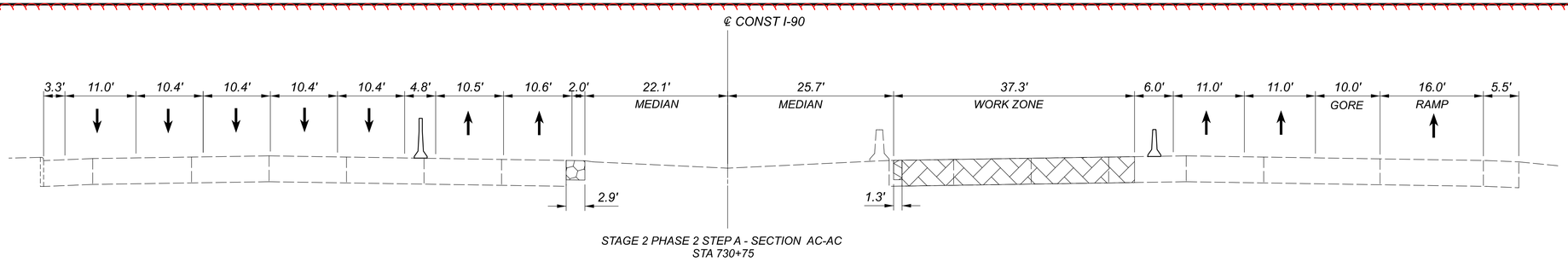
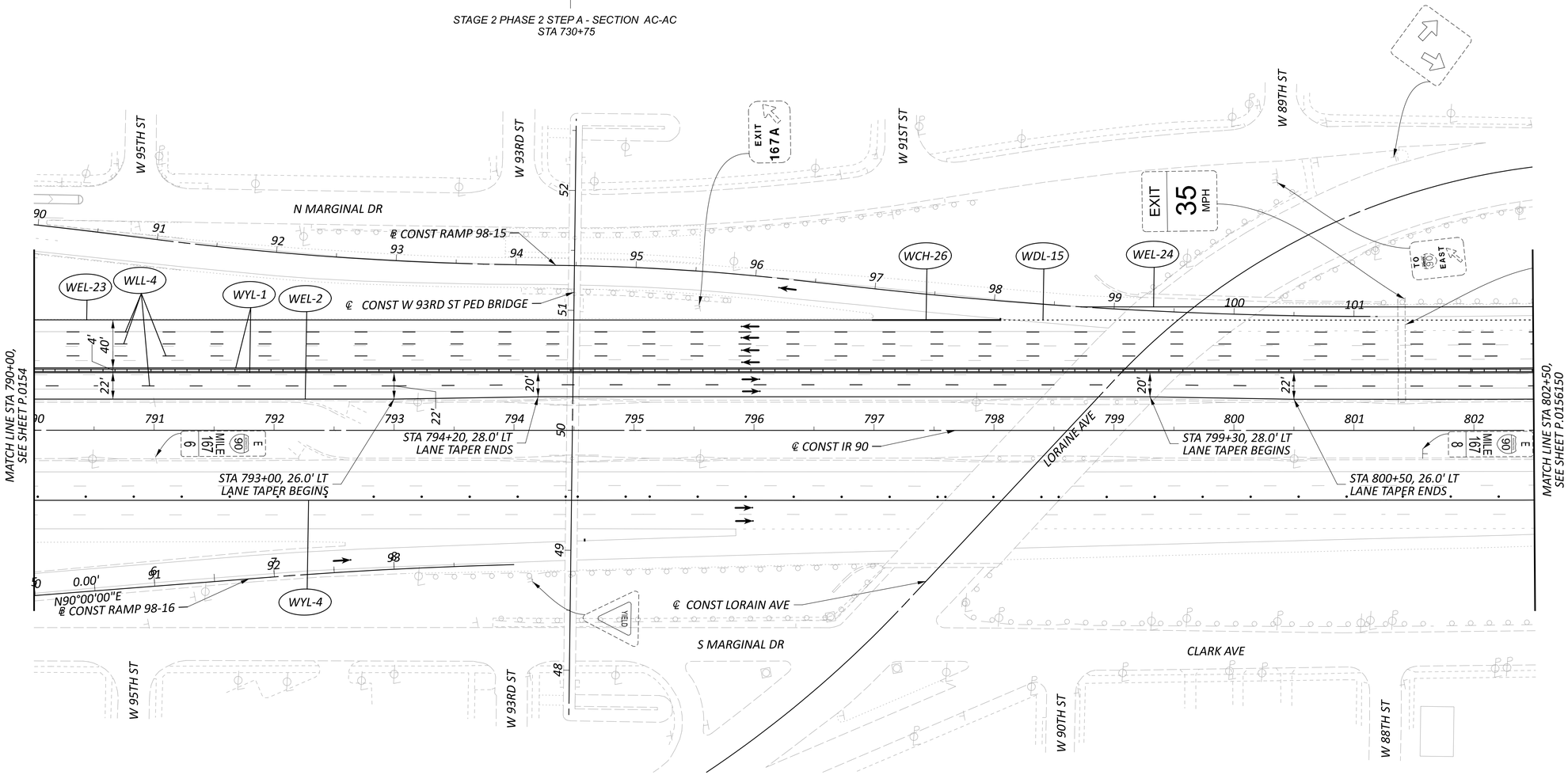


STAGE 2 PHASE 2 STEP A - SECTION AC-AC
STA 730+75



NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 790+00 TO STA 802+50

DESIGN AGENCY

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0155 TOTAL P.1587

CUY-90-6.69

MODEL: SIP2A - Plan 25 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:41 AM USER: jday
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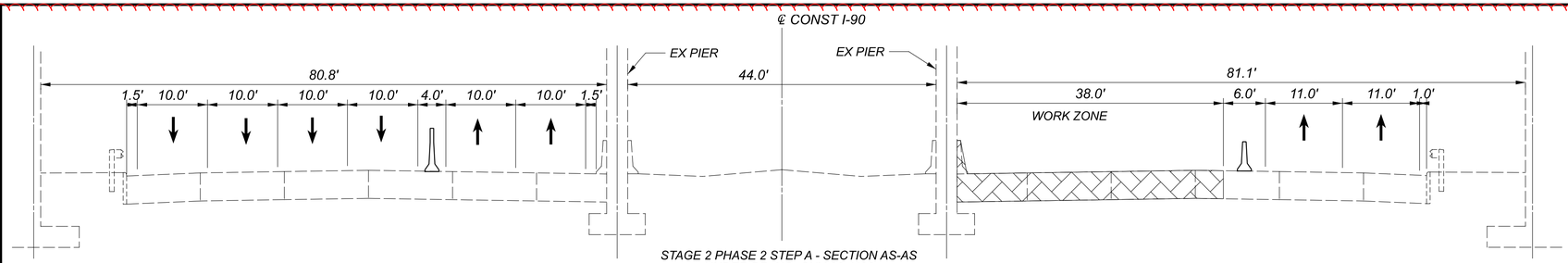
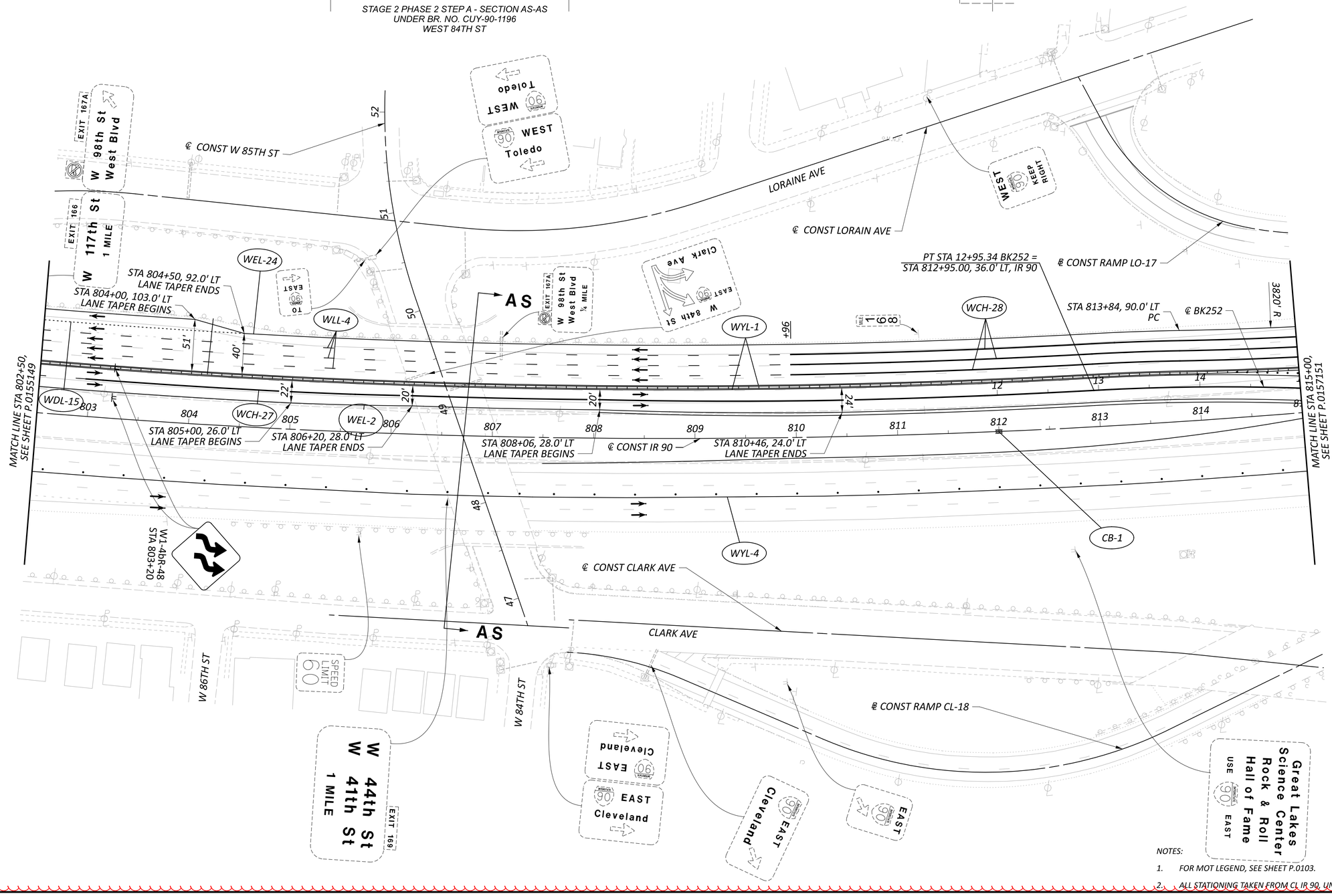


STAGE 2 PHASE 2 STEP A - SECTION AS-AS
UNDER BR. NO. CUY-90-1196
WEST 84TH ST



NOTES:

1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 802+50 TO STA 815+00

DESIGN AGENCY

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0156 TOTAL P.1587

CUY-90-6.69

MODEL: SIP2A - Plan 26 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:45 AM USER: jday
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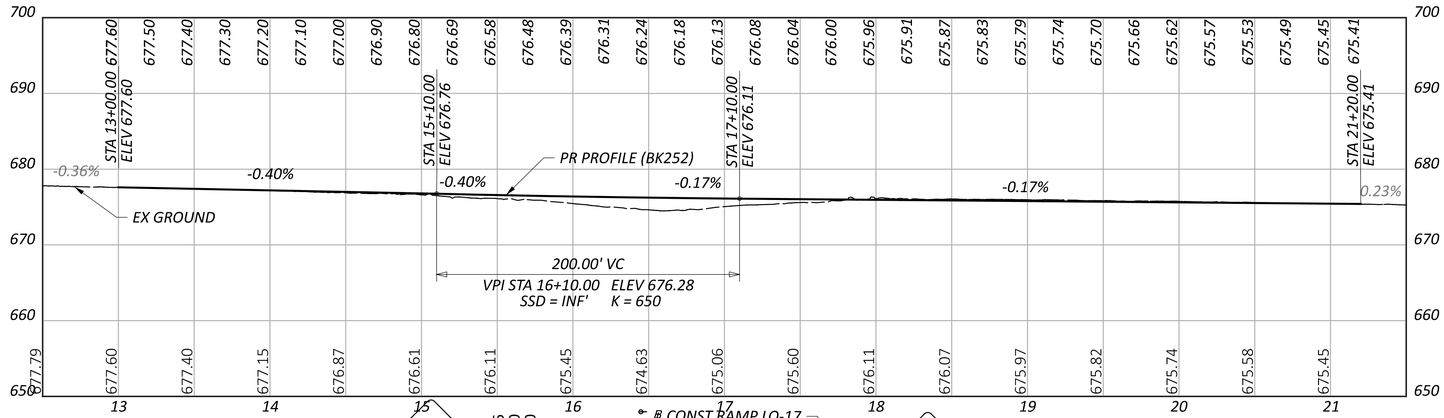

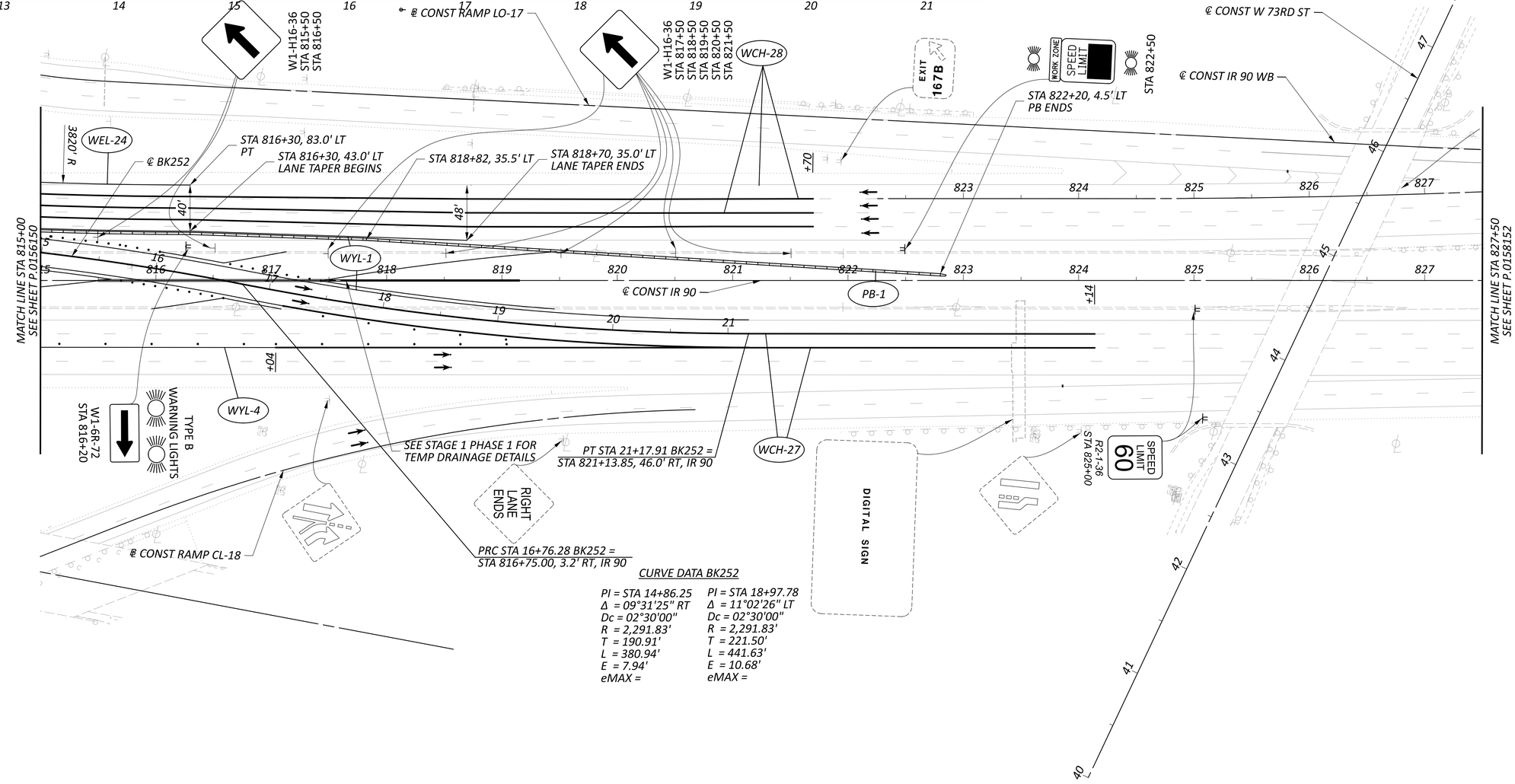

CURVE DATA BK252

PI = STA 14+86.25	PI = STA 18+97.78
Δ = 09°31'25" RT	Δ = 11°02'26" LT
Dc = 02°30'00"	Dc = 02°30'00"
R = 2,291.83'	R = 2,291.83'
T = 190.91'	T = 221.50'
L = 380.94'	L = 441.63'
E = 7.94'	E = 10.68'
eMAX =	eMAX =

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 815+00 TO STA 827+50

DESIGN AGENCY

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0157 TOTAL P.1587

CUY-90-6.69

MODEL: SIP2A - Plan 27 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:52:51 AM USER: jday
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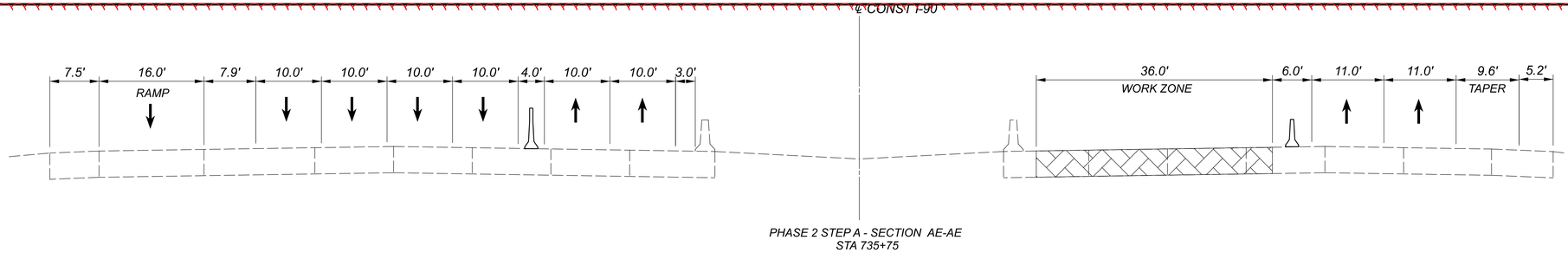
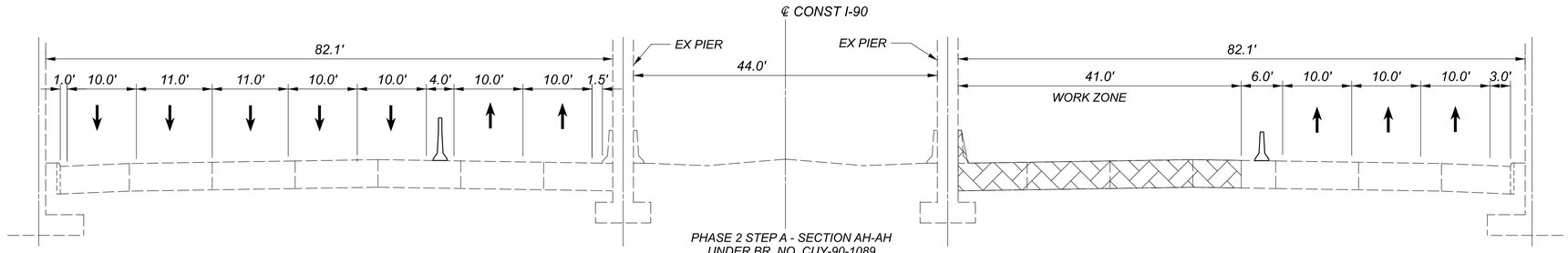


PHASE 2 STEP A - SECTION AE-AE
STA 735+75



PHASE 2 STEP A - SECTION AH-AH
UNDER BR. NO. CUY-90-1089
WEST 110TH ST

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

HORIZONTAL
SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 827+50 TO STA 840+00

DESIGN AGENCY

DESIGNER
DMS

REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0158 TOTAL P.1587

CUY-90-6.69

MODEL: SIP2A - Plan 28 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/14/2025 TIME: 11:52:56 AM USER: jday
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MODEL: SIP2A - Plan 29 (Sheet) PAPERSIZE: 34x22 (In.) DATE: 4/14/2025 TIME: 11:53:01 AM USER: jday
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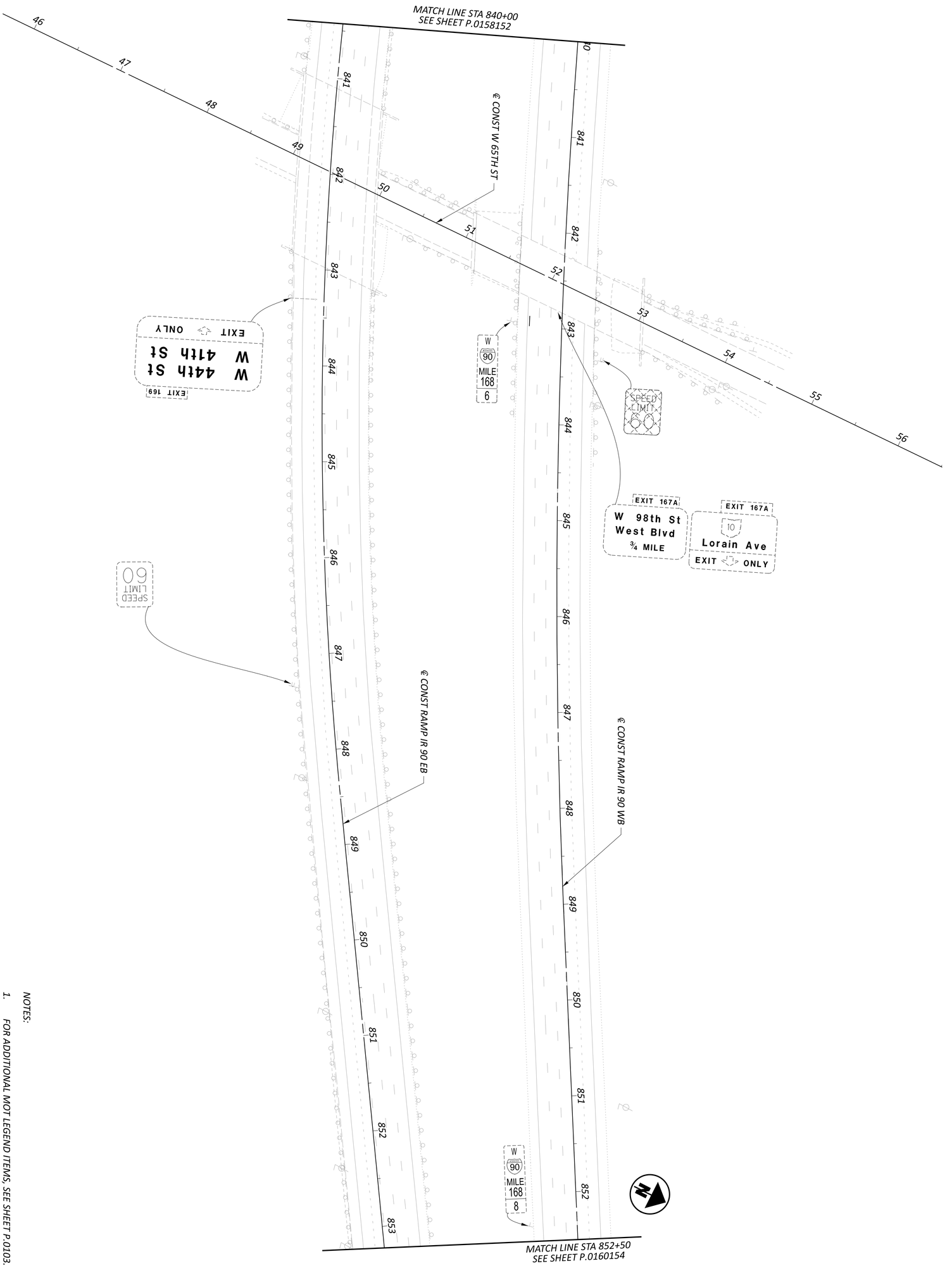

NOTES:

1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 840+00 TO STA 852+50

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.0159	P.1587

PROJECT ID 76779

REVIEWER RDC 04/14/23

DESIGNER DMS

DESIGN AGENCY

NOTES:

1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

HORIZONTAL
SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 852+50 TO STA 865+00

DESIGN AGENCY

DESIGNER
DMS

REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0160 TOTAL P.1587

CUY-90-6.69

MODEL: SIP2A - Plan 30 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:53:04 AM USER: jday
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NOTES:

1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 2A, 2B, 3A, 3B, 3C
STA 865+00 TO STA 877+50

DESIGN AGENCY

DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0161 TOTAL P.1587

CUY-90-6.69

MODEL: SIP2A - Plan 3i(Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 11:53:08 AM USER: jday
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48	66	346	347								01/IMS/04	02/IMS/13	03/IMS/13						
																		DRAINAGE	
		124,329									124,329			605	11110	124,329	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
5,000											5,000			605	13300	5,000	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
		102,604									102,604			605	14021	102,604	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, AS PER PLAN	P.0048
		5,889									5,889			611	00510	5,889	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
10		4									14			611	99710	14	EACH	PRECAST REINFORCED CONCRETE OUTLET	
		470									470			611	04400	470	FT	12" CONDUIT, TYPE B	
		68									68			611	04600	68	FT	12" CONDUIT, TYPE C	
		5,998									5,998			611	05900	5,998	FT	15" CONDUIT, TYPE B	
	563										563			611	05901	563	FT	15" CONDUIT, TYPE B, AS PER PLAN	P.0063
		2,098									2,098			611	06100	2,098	FT	15" CONDUIT, TYPE C	
	498										498			611	06101	498	FT	15" CONDUIT, TYPE C, AS PER PLAN	P.0063
200		73									273			611	06700	273	FT	15" CONDUIT, TYPE F	
		420									420			611	07400	420	FT	18" CONDUIT, TYPE B	
	60										60			611	07401	60	FT	18" CONDUIT, TYPE B, AS PER PLAN	P.0063
		124									124			611	07600	124	FT	18" CONDUIT, TYPE C	
	19										19			611	08901	19	FT	21" CONDUIT, TYPE B, AS PER PLAN	P.0063
	225										225			611	09101	225	FT	21" CONDUIT, TYPE C, AS PER PLAN	P.0063
		384									384			611	10400	384	FT	24" CONDUIT, TYPE B	
	26										26			611	10401	26	FT	24" CONDUIT, TYPE B, AS PER PLAN	P.0063
		1,315									1,315			611	10600	1,315	FT	24" CONDUIT, TYPE C	
	51										51			611	10601	51	FT	24" CONDUIT, TYPE C, AS PER PLAN	P.0063
	31										31			611	12101	31	FT	27" CONDUIT, TYPE C, AS PER PLAN	P.0063
		244									244			611	13600	244	FT	30" CONDUIT, TYPE C	
	147										147			611	13601	147	FT	30" CONDUIT, TYPE C, AS PER PLAN	P.0063
		771									771			611	16600	771	FT	36" CONDUIT, TYPE C	
	69										69			611	16601	69	FT	36" CONDUIT, TYPE C, AS PER PLAN	P.0063
		101									101			611	19400	101	FT	42" CONDUIT, TYPE B	
		493									493			611	19600	493	FT	42" CONDUIT, TYPE C	
	22										22			611	19601	22	FT	42" CONDUIT, TYPE C, AS PER PLAN	P.0063
		2,514									2,514			611	22600	2,514	FT	54" CONDUIT, TYPE C	
	65										65			611	22601	65	FT	54" CONDUIT, TYPE C, AS PER PLAN	P.0063
		472									472			611	23800	472	FT	60" CONDUIT, TYPE B	
	50										50			611	25401	50	LF	66" CONDUIT, TYPE C, AS PER PLAN	P.0063
		563									563			611	96600	563	FT	CONDUIT, BORED OR JACKED, 15", TYPE B	
		74									74			611	96600	74	FT	CONDUIT, BORED OR JACKED, 24", TYPE B	
		58									58			611	96600	58	FT	CONDUIT, BORED OR JACKED, 36", TYPE B	
		170									170			611	96600	170	FT	CONDUIT, BORED OR JACKED, 36", TYPE C	
		146									146			611	96600	146	FT	CONDUIT, BORED OR JACKED, 42", TYPE B	
		310									310			611	96600	310	FT	CONDUIT, BORED OR JACKED, 54", TYPE C	
		471									471			611	96601	471	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 15" TYPE B	P.0049
		354									354			611	96601	354	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 18" TYPE B	P.0049
		199									199			611	96601	199	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 24" TYPE B	P.0049
		256									256			611	96601	256	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 30" TYPE C	P.0049
		92									92			611	96601	92	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 36" TYPE B	P.0049
		143									143			611	96601	143	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 42" TYPE B	P.0049

GENERAL SUMMARY

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC

DESIGNER: BER

REVIEWER: VDK 08/09/23

PROJECT ID: 76779

SHEET: P.0318 | TOTAL: P.1587

CUY-90-6.69

MODEL: Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 4/15/2025 TIME: 10:48:53 AM USER: jsima
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66	346	347									01/IMS/04	02/IMS/13	03/IMS/13						
																		DRAINAGE CONT.	
	211										211			611	96601	211	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 42" TYPE C	P.0049
	156										156			611	96601	156	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 48" TYPE B	P.0049
	181										181			611	96601	181	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 48" TYPE C	P.0049
	147										147			611	96601	147	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 54" TYPE B	P.0049
	155										155			611	96601	155	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 60" TYPE B	P.0049
	703										703			611	96601	703	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 66" TYPE B	P.0049
	30										30			611	97400	30	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE B, ROCK CUT	P.0049
		47									47			611	97400	47	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT	P.0049
		10,112									10,112			611	97400	10,112	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	P.0049
		1,532									1,532			611	97400	1,532	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	P.0049
		85									85			611	97400	85	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE F, ROCK CUT	P.0049
		1,523									1,523			611	97400	1,523	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	P.0049
		993									993			611	97400	993	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT	P.0049
		1,408									1,408			611	97400	1,408	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	P.0049
		229									229			611	97400	229	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE C, ROCK CUT	P.0049
		285									285			611	97400	285	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT	P.0049
		1,530									1,530			611	97400	1,530	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT	P.0049
		248									248			611	97400	248	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE B, ROCK CUT	P.0049
		325									325			611	97400	325	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE C, ROCK CUT	P.0049
		263									263			611	97400	263	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE B, ROCK CUT	P.0049
		788									788			611	97400	788	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE C, ROCK CUT	P.0049
		2,413									2,413			611	97400	2,413	FT	CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	P.0049
		380									380			611	97400	380	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE B, ROCK CUT	P.0049
		399									399			611	97400	399	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE C, ROCK CUT	P.0049
		863									863			611	97400	863	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT	P.0049
		209									209			611	97400	209	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE C, ROCK CUT	P.0049
		1,631									1,631			611	97400	1,631	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE B, ROCK CUT	P.0049
		174									174			611	97400	174	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE C, ROCK CUT	P.0049
		44									44			611	98150	44	EACH	CATCH BASIN, NO. 3	
		1									1			611	98151	1	EACH	CATCH BASIN, NO. 3, AS PER PLAN	P.0048
		16									16			611	98180	16	EACH	CATCH BASIN, NO. 3A	
		68									68			611	98300	68	EACH	CATCH BASIN, NO. 5	
		1									1			611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN	P.0048
1											1			611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN (2)	P.0063
		7									7			611	98370	7	EACH	CATCH BASIN, NO. 6	
1											1			611	98371	1	EACH	CATCH BASIN, NO. 6, AS PER PLAN	P.0063
		1									1			611	98510	1	EACH	CATCH BASIN, NO. 2-3	
		1									1			611	98690	1	EACH	CATCH BASIN, MISC.: CITY OF CLEVELAND CB-1 CATCH BASIN	P.0048
		1									1			611	98811	1	EACH	INLET, NO. 3C, AS PER PLAN	P.0048A
		6									6			611	98820	6	EACH	INLET, NO. 3D	
		48									48			611	98840	48	EACH	INLET, NO. 2-A-6	
1											1			611	98841	1	EACH	INLET, NO. 2-A-6, AS PER PLAN	P.0063
		35									35			611	98850	35	EACH	INLET, NO. 2-A-8	
		25									25			611	98860	25	EACH	INLET, NO. 2-A-10	
		10									10			611	98870	10	EACH	INLET, NO. 2-A-12	
		9									9			611	98880	9	EACH	INLET, NO. 2-A-14	
		3									3			611	98890	3	EACH	INLET, NO. 2-A-16	
		1									1			611	99000	1	EACH	INLET, NO. 2-A-18	
		17									17			611	99100	17	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	
		7									7			611	99110	7	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	
		89									89			611	99574	89	EACH	MANHOLE, NO. 3	
		24									24			611	99575	24	EACH	MANHOLE, NO. 3, AS PER PLAN	P.0048A
		1									1			611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN (2)	P.0048
4											4			611	99575	4	EACH	MANHOLE, NO. 3, AS PER PLAN (3)	P.0063
		2									2			611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE	
		1									1			611	99690	1	EACH	MANHOLE, MISC.: MH-3 MODIFIED	P.0049

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 4 PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 12:37:31 PM USER: KMorton
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DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0319
TOTAL	P.1587

SHEET NUM.									PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
51	1153	1353	1357	1361					01/IMS/04	02/IMS/13	03/IMS/13						
																TRAFFIC SIGNALS	
10									10			632	26501	10	EACH	DETECTOR LOOP, AS PER PLAN	P.0051
																RETAINING WALLS (RW1, RW2, RW3 AND RW4)	
	LS									LS		202	11201	LS		PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	P.1348
	39,845									39,845		509	10000	39,845	LB	EPOXY COATED STEEL REINFORCEMENT	
	21,388									21,388		509	30020	21,388	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
	2,152									2,152		510	10000	2,152	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
	324									324		511	34450	324	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
	1,578									1,578		512	10100	1,578	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	279									279		516	13600	279	SF	1" PREFORMED EXPANSION JOINT FILLER	
																STRUCTURE OVER 20 FOOT SPAN (CUY-00020-08.470)	
		106								106		512	10100	106	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		89								89		512	10600	89	FT	CONCRETE REPAIR BY EPOXY INJECTION	
		40								40		SPECIAL	51271500	40	SY	URETHANE TOP COAT SEALER	P.1349
		50								50		514	20001	50	SF	FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN	P.1353
		LS								LS		518	63300	LS		STRUCTURE DRAINAGE, MISC.: CLEAN OUT EXISTING DRAINAGE SYSTEM	P.1349
		358								358		SPECIAL	51900100	358	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
		944								944		519	11101	944	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
		4								4		SPECIAL	53000400	4	EACH	STRUCTURES: DRILLING ENDS OF CRACKS IN STRUCTURAL STEEL	P.1353
		10								10		SPECIAL	53000500	10	HOUR	STRUCTURES: REPAIRING DAMAGED MEMBERS BY GRINDING	P.1353
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-07.540)	
			24							24		512	10100	24	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
			12							12		512	10600	12	FT	CONCRETE REPAIR BY EPOXY INJECTION	
			68							68		SPECIAL	51271500	68	SY	URETHANE TOP COAT SEALER	P.1349
			607							607		SPECIAL	51900100	607	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
			576							576		519	11101	576	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
			559							559		607	35001	559	FT	FENCE REMOVED AND REBUILT, AS PER PLAN	P.1350
			1							1		625	33001	1	EACH	STRUCTURE GROUNDING SYSTEM, AS PER PLAN	P.1350
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-07.580)	
				LS							LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
				427							427	202	22900	427	SY	APPROACH SLAB REMOVED	
				427							427	202	23500	427	SY	WEARING COURSE REMOVED	
				174							174	503	21100	174	CY	UNCLASSIFIED EXCAVATION	
				82,313							82,313	509	10000	82,313	LB	EPOXY COATED STEEL REINFORCEMENT	
				800							800	509	20001	800	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN	P.1348
				192							192	510	10000	192	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
				56							56	511	34412	56	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
				85							85	511	34450	85	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
				24							24	511	44112	24	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING	
				218							218	511	53012	218	CY	CLASS QC2 CONCRETE, MISC.:ABUTMENT SLABS	
				13,311							13,311	512	10050	13,311	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
				4,036							4,036	512	10100	4,036	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
				927							927	512	10300	927	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
				1,299							1,299	512	10400	1,299	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
				1,299							1,299	512	73500	1,299	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	

R4

R3

R7

R7

R7

R7

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 8 PAPERSIZE: 34x22 (in.) DATE: 4/10/2025 TIME: 1:56:04 PM USER: aoldaker
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0323 TOTAL P.1587

SHEET NUM.									PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
1411									01/IMS/04	02/IMS/13	03/IMS/13						
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.470 L)	
LS										LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
267										267		202	22900	267	SY	APPROACH SLAB REMOVED	
73,112										73,112		509	10000	73,112	LB	EPOXY COATED STEEL REINFORCEMENT	
5,983										5,983		509	30020	5,983	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
249										249		510	10000	249	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
156										156		511	34412	156	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
63										63		511	34450	63	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
1,524										1,524		512	10050	1,524	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
414										414		512	10100	414	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
165										165		512	10300	165	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
808										808		512	10400	808	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
808										808		512	73500	808	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
49										49		519	11101	49	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1412
390										390		526	25010	390	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
143										143		526	90030	143	FT	TYPE C INSTALLATION	
310										310		607	39900	310	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
1,134										1,134		848	10201	1,134	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN, 3 3/4" INCH THICK	P.1350
1,134										1,134		848	20000	1,134	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
3										3		848	30200	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
5										5		848	50000	5	SY	HAND CHIPPING	
LS										LS		848	50100	LS		TEST SLAB	
1,134										1,134		848	50320	1,134	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
50										50		848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.470 R)	
LS										LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
267										267		202	22900	267	SY	APPROACH SLAB REMOVED	
75,898										75,898		509	10000	75,898	LB	EPOXY COATED STEEL REINFORCEMENT	
5,951										5,951		509	30020	5,951	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
260										260		510	10000	260	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
155										155		511	34412	155	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
62										62		511	34450	62	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
1,636										1,636		512	10050	1,636	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
413										413		512	10100	413	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
164										164		512	10300	164	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
808										808		512	10400	808	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
808										808		512	73500	808	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
407										407		526	25010	407	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
151										151		526	90030	151	FT	TYPE C INSTALLATION	
310										310		607	39900	310	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
1,227										1,227		848	10201	1,227	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN, 2 3/4" INCH THICK	P.1350
1,227										1,227		848	20000	1,227	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
17										17		848	30200	17	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
30										30		848	50000	30	SY	HAND CHIPPING	
LS										LS		848	50100	LS		TEST SLAB	
1,227										1,227		848	50320	1,227	SY	EXISTING CONCRETE OVERLAY REMOVED, 2 1/2" NOMINAL THICKNESS	
50										50		848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 11 PAPERSIZE: 34x22 (in.) DATE: 4/10/2025 TIME: 3:56:15 PM USER: adldaker
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0326 TOTAL P.1587

SHEET NUM.									PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
1432									01/IMS/04	02/IMS/13	03/IMS/13						
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.700 L)	
LS										LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
553										553		202	22900	553	SY	APPROACH SLAB REMOVED	
69,815										69,815		509	10000	69,815	LB	EPOXY COATED STEEL REINFORCEMENT	
21,474										21,474		509	30020	21,474	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
106										106		510	10000	106	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
113										113		511	34412	113	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
220										220		511	34450	220	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
11										11		511	45710	11	CY	CLASS QC1 CONCRETE, ABUTMENT	
6,199										6,199		512	10050	6,199	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
1,481										1,481		512	10100	1,481	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
397										397		512	10300	397	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
603										603		512	10400	603	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
603										603		512	73500	603	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
7,992										7,992		513	21501	7,992	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN	P.1349
1,160										1,160		514	00060	1,160	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
1,160										1,160		514	00066	1,160	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
LS										LS		514	27800	LS		FIELD PAINTING, MISC.:, COATING SYSTEM REPAIR	
155										155		516	11210	155	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	
LS										LS		518	63300	LS		STRUCTURE DRAINAGE, MISC.: CLEAN EXISTING SCUPPERS	
226										226		526	25010	226	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
232										232		526	30010	232	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
176										176		526	90010	176	FT	TYPE A INSTALLATION	
LS										LS		SPECIAL	53000200	LS		STRUCTURES, TEMPORARY FALSEWORK AND PROTECTIVE STRUCTURE	P.1351
1,290										1,290		607	39900	1,290	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
5,740										5,740		848	10201	5,740	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN 3 3/4" INCH THICK	P.1350
5,740										5,740		848	20000	5,740	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
1										1		848	50000	1	SY	HAND CHIPPING	
LS										LS		848	50100	LS		TEST SLAB	
5,740										5,740		848	50320	5,740	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
50										50		848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.700 R)	
LS										LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
593										593		202	22900	593	SY	APPROACH SLAB REMOVED	
69,229										69,229		509	10000	69,229	LB	EPOXY COATED STEEL REINFORCEMENT	
21,788										21,788		509	30020	21,788	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
106										106		510	10000	106	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
114										114		511	34412	114	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
224										224		511	34450	224	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
12										12		511	45710	12	CY	CLASS QC1 CONCRETE, ABUTMENT	
6,710										6,710		512	10050	6,710	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
1,500										1,500		512	10100	1,500	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
397										397		512	10300	397	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
603										603		512	10400	603	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
603										603		512	73500	603	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
9,058										9,058		513	21501	9,058	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN	P.1349
1,314										1,314		514	00060	1,314	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
1,314										1,314		514	00066	1,314	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
LS										LS		514	27800	LS		FIELD PAINTING, MISC.:, COATING SYSTEM REPAIR	
168										168		516	11210	168	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	
LS										LS		518	63300	LS		STRUCTURE DRAINAGE, MISC.: CLEAN EXISTING SCUPPERS	

R6

R7

R6

R7

GENERAL SUMMARY

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0327 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 12 PAPERSIZE: 34x22 (in.) DATE: 4/10/2025 TIME: 3:56:16 PM USER: adidaker
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SHEET NUM.									PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
1432	1457								01/IMS/04	02/IMS/13	03/IMS/13						
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.700 R) CONT.	
250										250		526	25010	250	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
250										250		526	30010	250	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
147										147		526	90010	147	FT	TYPE A INSTALLATION	
										LS		SPECIAL	53000200	LS		STRUCTURES, TEMPORARY FALSEWORK AND PROTECTIVE STRUCTURE	P.1351
1,290										1,290		607	39900	1,290	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
6,209										6,209		848	10201	6,209	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN 3 3/4" INCH THICK	P.1350
6,209										6,209		848	20000	6,209	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
7										7		848	30200	7	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
12										12		848	50000	12	SY	HAND CHIPPING	
LS										LS		848	50100	LS		TEST SLAB	
6,209										6,209		848	50320	6,209	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
50										50		848	50340	50	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.910 L)	
	LS									LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
	479									479		202	22900	479	SY	APPROACH SLAB REMOVED	
	LS									LS		503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN	P.1458
	LS									LS		503	21300	LS		UNCLASSIFIED EXCAVATION	
	32,504									32,504		509	10000	32,504	LB	EPOXY COATED STEEL REINFORCEMENT	
	4,493									4,493		509	30020	4,493	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
	126									126		510	10000	126	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
	2									2		511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	
	176									176		511	34412	176	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
	34									34		511	34450	34	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
	1									1		511	45712	1	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	
	1,020									1,020		512	10050	1,020	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
	755									755		512	10100	755	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	61									61		512	10300	61	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
	491									491		512	74001	491	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN	P.1348
	522									522		512	10400	522	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
	522									522		512	73500	522	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
	1,040									1,040		514	27700	1,040	SF	FIELD PAINTING, MISC.: COATING OF BEAMS ENDS	P.1349
	LS									LS		514	27800	LS		FIELD PAINTING, MISC.: COATING SYSTEM REPAIR	P.1349
	43									43		516	13600	43	SF	1" PREFORMED EXPANSION JOINT FILLER	
	124									124		516	13900	124	SF	2" PREFORMED EXPANSION JOINT FILLER	
	11									11		516	14600	11	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: COMPRESSED FOAM JOINT SEAL	
	522									522		516	25000	522	SF	NYLON REINFORCED NEOPRENE SHEETING	
	16									16		516	44200	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 3.023" THICK	
	LS									LS		516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE	
	87									87		518	21200	87	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
	143									143		518	40000	143	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
	147									147		518	40010	147	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
	352									352		519	11101	352	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
	483									483		526	30010	483	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
	144									144		526	90010	144	FT	TYPE A INSTALLATION	
	150									150		607	39900	150	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
	665									665		848	10201	665	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN 3 3/4" INCH THICK	P.1350
	665									665		848	20000	665	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
	3									3		848	30200	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
	5									5		848	50000	5	SY	HAND CHIPPING	
	LS									LS		848	50100	LS		TEST SLAB	
	665									665		848	50320	665	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
	42									42		848	50340	42	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	

R6

R7

R2

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 13 PAPERSIZE: 34x22 (in.) DATE: 4/15/2025 TIME: 10:49:27 AM USER: jsima
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0327A TOTAL P.1587

SHEET NUM.									PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
1457	1485								01/IMS/04	02/IMS/13	03/IMS/13						
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-09.910 R)	
LS										LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.1348
478										478		202	22900	478	SY	APPROACH SLAB REMOVED	
LS										LS		503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN (R6)	P.1458
LS										LS		503	21300	LS		UNCLASSIFIED EXCAVATION	
31,916										31,916		509	10000	31,916	LB	EPOXY COATED STEEL REINFORCEMENT	
3,986										3,986		509	30020	3,986	FT	NO. 4 DEFORMED GFRP REINFORCEMENT	
148										148		510	10000	148	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	
2										2		511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	
171										171		511	34412	171	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE	
33										33		511	34450	33	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
2										2		511	45712	2	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	
1,019										1,019		512	10050	1,019	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
1,001										1,001		512	10100	1,001	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
61										61		512	10300	61	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
490										490		512	74001	490	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN (R2)	P.1348
521										521		512	10400	521	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	
521										521		512	73500	521	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	
1,040										1,040		514	27700	1,040	SF	FIELD PAINTING, MISC.: COATING OF BEAM ENDS	P.1349
LS										LS		514	27800	LS		FIELD PAINTING, MISC.: COATING SYSTEM REPAIR	P.1349
85										85		516	13600	85	SF	1" PREFORMED EXPANSION JOINT FILLER (R7)	
124										124		516	13900	124	SF	2" PREFORMED EXPANSION JOINT FILLER	
22										22		516	14600	22	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: COMPRESSED FOAM JOINT SEAL	
521										521		516	25000	521	SF	NYLON REINFORCED NEOPRENE SHEETING	
16										16		516	44200	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 3.023" THICK	
LS										LS		516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE	
87										87		518	21200	87	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
142										142		518	40000	142	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
146										146		518	40010	146	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
598										598		519	11101	598	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
474										474		526	30010	474	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")	
142										142		526	90010	142	FT	TYPE A INSTALLATION	
150										150		607	39900	150	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
664										664		848	10201	664	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, AS PER PLAN 3 3/4" INCH THICK	P.1350
664										664		848	20000	664	SY	SURFACE PREPARATION USING HYDRODEMOLITION	
3										3		848	30200	3	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY	
6										6		848	50000	6	SY	HAND CHIPPING	
LS										LS		848	50100	LS		TEST SLAB	
664										664		848	50320	664	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS	
58										58		848	50340	58	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY	
																STRUCTURE OVER 20 FOOT SPAN (CUY-00090-10.620)	
	8									8		503	21100	8	CY	UNCLASSIFIED EXCAVATION	
	162									162		512	10100	162	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	131									131		SPECIAL	51271500	131	SY	URETHANE TOP COAT SEALER	P.1349
	145									145		513	21501	145	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN	P.1349
	LS									LS		514	27800	LS		FIELD PAINTING, MISC.: COATING SYSTEM REPAIR	P.1349
	1,172									1,172		SPECIAL	51900100	1,172	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
	1,868									1,868		519	11101	1,868	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350

GENERAL SUMMARY

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: BER

REVIEWER: VDK 08/09/23

PROJECT ID: 76779

SHEET: P.0327B TOTAL: P.1587

CUY-90-6.69

MODEL: Sheet 14 PAPERSIZE: 34x22 (in.) DATE: 4/15/2025 TIME: 10:49:59 AM USER: jsima
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SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	56	57	58	60	61	61A	66	1490	1493	1499	01/IMS/04	02/IMS/13	03/IMS/13						
																		STRUCTURE OVER 20 FOOT SPAN (CUY-00090-10.820)	
								1				1		503	21100	1	CY	UNCLASSIFIED EXCAVATION	
								37				37		SPECIAL	51271500	37	SY	URETHANE TOP COAT SEALER	P.1349
								329				329		SPECIAL	51900100	329	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
								141				141		519	11101	141	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
																		STRUCTURE OVER 20 FOOT SPAN (CUY-00090-10.940)	
									12			12		503	21100	12	CY	UNCLASSIFIED EXCAVATION	
									16			16		512	10100	16	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
									60			60		SPECIAL	51271500	60	SY	URETHANE TOP COAT SEALER	P.1349
									714			714		513	10200	714	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF	
									1,460			1,460		513	21501	1,460	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN	P.1349
									LS			LS		514	27800	LS		FIELD PAINTING, MISC.: COATING SYSTEM REPAIR	P.1349
									535			535		SPECIAL	51900100	535	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
									264			264		519	11101	264	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
									7,161			7,161		SPECIAL	53000600	7,161	SF	STRUCTURES TIMBER SUBDECKING	P.1350
																		STRUCTURE OVER 20 FOOT SPAN (CUY-00090-11.100)	
										13		13		503	21100	13	CY	UNCLASSIFIED EXCAVATION	
										161		161		512	10100	161	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
										30		30		512	10600	30	FT	CONCRETE REPAIR BY EPOXY INJECTION	
										90		90		SPECIAL	51271500	90	SY	URETHANE TOP COAT SEALER	P.1349
										805		805		SPECIAL	51900100	805	SF	COMPOSITE FIBER WRAP SYSTEM	P.1350
R3										1,924		1,924		519	11101	1,924	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	P.1350
																		STRUCTURE OVER 20 FOOT SPAN (CUY-00090-11.510)	
												LS		511	81200	LS		CONCRETE, MISC.:REPLACEMENT OF DAMAGED BRIDGE RAIL TRANSITION	P.1351
																		MAINTENANCE OF TRAFFIC	
							1,332					1,332		611	97010	1,332	FT	SLOTTED DRAIN, TYPE 2, 15"	
					2,000							2,000		614	11110	2,000	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
				325,300								325,300		614	11630	325,300	FT	INCREASED BARRIER DELINEATION	
							54					54		614	12380	54	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
	LS											LS		614	12420	LS		DETOUR SIGNING	
			49									49		614	18601	49	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.0058
		17										17		614	12484	17	EACH	WORK ZONE INCREASED PENALTIES SIGN	
			50									50		614	12500	50	EACH	REPLACEMENT SIGN	
3												3		614	12756	3	EACH	WORK ZONE CROSSOVER LIGHTING SYSTEM	
							12,338					12,338		614	12801	12,338	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	P.0060
					250	180						430		614	13000	430	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
							5,761					5,761		614	13310	5,761	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
							5,761					5,761		614	13350	5,761	EACH	OBJECT MARKER, ONE WAY	
							20,811					20,811		614	18030	20,811	FT	MAINTAINING TRAFFIC, MISC.: TROUGH	P.0063
			2.2									2.2		614	20560	2.2	MILE	WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT	
							81.35					81.35		614	20056	81.35	MILE	WORK ZONE LANE LINE, CLASS I, 6", 807 PAINT	
							55.24					55.24		614	20110	55.24	MILE	WORK ZONE LANE LINE, CLASS I, 6", 642 PAINT	
							125.71					125.71		614	22056	125.71	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 807 PAINT	
							48.24					48.24		614	22110	48.24	MILE	WORK ZONE EDGE LINE, CLASS I, 6", 642 PAINT	
							118,584					118,584		614	23110	118,584	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 807 PAINT	
							50,182					50,182		614	23210	50,182	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 12", 642 PAINT	

R3 R7 R3 R7 R6 R6 R4 R4 R3 R7 R3 R7 R4 R6 R7

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 15 PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 1:56:55 PM USER: jsima
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DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER: BER
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0327C TOTAL: P.1587

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	51	52	56	57	58	61	66	R3			01/IMS/04	02/IMS/13	03/IMS/13						
																		MAINTENANCE OF TRAFFIC CONT.	
					1.7						1.7			614	22360	1.7	MILE	WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT	
							63,600				63,600			614	24102	63,600	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 807 PAINT	
							32,634				32,634			614	24202	32,634	FT	WORK ZONE DOTTED LINE, CLASS I, 6", 642 PAINT	
							212				212			614	25000	212	FT	WORK ZONE TRANSVERSE/DIAGONAL LINE, CLASS I	
LS											LS			615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	
						4,000	28,367	R7			32,367			615	20000	32,367	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
			353								353			616	10000	353	MGAL	WATER	
							1,027				1,027			617	11100	1,027	TON	COMPACTED AGGREGATE	
							3,240	R3			3,240			617	20000	3,240	SY	SHOULDER PREPARATION	
							43,056				43,056			622	41011	43,056	FT	PORTABLE BARRIER, 50", AS PER PLAN	P.0057
							7	R7			7			622	41060	7	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	
							165,470				165,470			622	41100	165,470	FT	PORTABLE BARRIER, UNANCHORED	
							16,211	R3			16,211			622	41111	16,211	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	P.0057
			200,000					R6			200,000			SPECIAL	69098000	200,000	EACH	REIMBURSEMENT FOR MOT ITEMS PERMANENTLY DAMAGED BY TRAFFIC	P.0056
				180							180			808	18700	180	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
						38					38			829	00100	38	SNMT	WORK ZONE EGRESS WARNING SYSTEM	
						480					480			896	00010	480	SNMT	PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS I	
						120					120			896	00021	120	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.0061
540,000												540,000		900	00100	540,000	EACH	RAILROAD FLAGGING SERVICES	P.1351
																		INCIDENTALS	
LS											LS			108	10000	LS		CPM PROGRESS SCHEDULE	
			LS								LS			614	11000	LS		MAINTAINING TRAFFIC	
	48										48			619	16021	48	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN	P.0051
		LS									LS			623	10001	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN	P.0052
LS											LS			624	10000	LS		MOBILIZATION	
	LS										LS			SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	P.0051
		5,000									5,000			SPECIAL	69098000	5,000	EACH	PERMITS	P.0052

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 16 PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 3:13:55 PM USER: jsima
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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0327D TOTAL P.1587

ESTIMATED QUANTITIES

Sheet 348	Sheet 349	Sheet 350	Sheet 351	Sheet 352	Sheet 353	Sheet 354	Sheet 356	Sheet 357	Sheet 358	Sheet 359	Sheet 359A	Sheet 368	ITEM	EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
2328	3666	2266											202	35100	8,260	FT	PIPE REMOVED, 24" AND UNDER	
2157	4276	3067											202	35200	9,500	FT	PIPE REMOVED, OVER 24"	
17	11	9											202	58000	37	EACH	MANHOLE REMOVED	
40	30	31											202	58100	101	EACH	CATCH BASIN REMOVED	
33	65	52											202	58200	150	EACH	INLET REMOVED	
761	1950	2322											202	70000	5,033	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 15"	P.0048
208	411	331											202	70000	950	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 18"	P.0048
217	301	388											202	70000	906	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 21"	P.0048
321	68	669											202	70000	1,058	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 24"	P.0048
247													202	70000	247	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 30"	P.0048
	300	275											202	70000	575	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 36"	P.0048
73	310	287											202	70000	670	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 42"	P.0048
		773											202	70000	773	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 48"	P.0048
738	643	897											202	70000	2,278	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 54"	P.0048
1701		1043											202	70000	2,744	FT	SPECIAL - FILL AND PLUG EXISTING CONDUIT, 60"	P.0048
				145									202	70110	145	FT	SPECIAL - PIPE CLEANOUT, 24" AND UNDER	
				190									202	70120	190	FT	SPECIAL - PIPE CLEANOUT, 27" TO 48"	
												7.12	601	21050	7.12	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
												124329	605	11110	124,329	FT	6" SHALLOW PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC	
												102604	605	14021	102,604	FT	6" BASE PIPE UNDERDRAINS WITH GEOTEXTILE FABRIC, AS PER PLAN	P.0048
												5889	611	00510	5,889	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
												4	611	99710	4	EACH	PRECAST REINFORCED CONCRETE OUTLET	
			46	81						343			611	04400	470	FT	12" CONDUIT, TYPE B	
										68			611	04600	68	FT	12" CONDUIT, TYPE C	
			1040	167			171	2320	1310	990			611	05900	5,998	FT	15" CONDUIT, TYPE B	
			286	226			615	24	595	352			611	06100	2,098	FT	15" CONDUIT, TYPE C	
							73						611	06700	73	FT	15" CONDUIT, TYPE F	
				84				218	202				611	07400	420	FT	18" CONDUIT, TYPE B	
				194			6			34			611	07600	124	FT	18" CONDUIT, TYPE C	
									190				611	10400	384	FT	24" CONDUIT, TYPE B	
			332				966	17					611	10600	1,315	FT	24" CONDUIT, TYPE C	
							244						611	13600	244	FT	30" CONDUIT, TYPE C	
			763	8									611	16600	771	FT	36" CONDUIT, TYPE C	
			101										611	19400	101	FT	42" CONDUIT, TYPE B	
			493										611	19600	493	FT	42" CONDUIT, TYPE C	
							640	1874					611	22600	2,514	FT	54" CONDUIT, TYPE C	
			472										611	23800	472	FT	60" CONDUIT, TYPE B	
			79	79	122	157		126					611	96600	563	FT	CONDUIT, BORED OR JACKED, 15", TYPE B	
				74									611	96600	74	FT	CONDUIT, BORED OR JACKED, 24", TYPE B	
			58										611	96600	58	FT	CONDUIT, BORED OR JACKED, 36", TYPE B	
			170										611	96600	170	FT	CONDUIT, BORED OR JACKED, 36", TYPE C	
			146										611	96600	146	FT	CONDUIT, BORED OR JACKED, 42", TYPE B	
								310					611	96600	310	FT	CONDUIT, BORED OR JACKED, 54", TYPE C	
											6		611	97400	30	FT	CONDUIT, MISC : 12" CONDUIT, TYPE B, ROCK CUT	P.0049
											471		611	96601	471	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 15", TYPE B	P.0049
											354		611	96601	354	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 18", TYPE B	P.0049
											199		611	96601	199	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 24", TYPE B	P.0049
											256		611	96601	256	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 30", TYPE C	P.0049
											92		611	96601	92	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 36", TYPE B	P.0049
											143		611	96601	143	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 42", TYPE B	P.0049
											211		611	96601	211	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 42", TYPE C	P.0049
											156		611	96601	156	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 48", TYPE B	P.0049
											181		611	96601	181	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 48", TYPE C	P.0049
											147		611	96601	147	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 54", TYPE B	P.0049
											155		611	96601	155	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 60", TYPE B	P.0049
											703		611	96601	703	FT	CONDUIT, BORED OR JACKED, AS PER PLAN (2), 66", TYPE B	P.0049

DRAINAGE SUB-SUMMARY

DESIGN AGENCY
STRUCTUREPOINT LLC
A WEIDLINGER COMPANY

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0346 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 4/15/2025 TIME: 11:19:04 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DS001.dgn

ESTIMATED QUANTITIES

Sheet 351	Sheet 352	Sheet 353	Sheet 354	Sheet 355	Sheet 356	Sheet 357	Sheet 358	Sheet 359	Sheet 359A	Sheet 370	ITEM	EXTENSION	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET
			17	19					11		611	97400	47	FT	CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT	P.0049
	343	1245	2646	3637	350	276	1556	59			611	97400	10,112	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	P.0049
	84	230	41	61	473	13	551	79			611	97400	1,532	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	P.0049
		28		57							611	97400	85	FT	CONDUIT, MISC.: 15" CONDUIT, TYPE F, ROCK CUT	P.0049
		91	889	117	299		127				611	97400	1,523	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	P.0049
		556		61	376						611	97400	993	FT	CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT	P.0049
	135	88	268	375			542				611	97400	1,408	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	P.0049
		198		31							611	97400	229	FT	CONDUIT, MISC.: 24" CONDUIT, TYPE C, ROCK CUT	P.0049
	63		108				114				611	97400	285	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT	P.0049
	109	256			1165						611	97400	1,530	FT	CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT	P.0049
			248								611	97400	248	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE B, ROCK CUT	P.0049
					325						611	97400	325	FT	CONDUIT, MISC.: 36" CONDUIT, TYPE C, ROCK CUT	P.0049
		196			67						611	97400	263	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE B, ROCK CUT	P.0049
		196			592						611	97400	788	FT	CONDUIT, MISC.: 42" CONDUIT, TYPE C, ROCK CUT	P.0049
	1959	352	102								611	97400	2,413	FT	CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	P.0049
	380										611	97400	380	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE B, ROCK CUT	P.0049
					289	110					611	97400	399	FT	CONDUIT, MISC.: 54" CONDUIT, TYPE C, ROCK CUT	P.0049
	854					9					611	97400	863	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT	P.0049
						209					611	97400	209	FT	CONDUIT, MISC.: 60" CONDUIT, TYPE C, ROCK CUT	P.0049
	1631										611	97400	1,631	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE B, ROCK CUT	P.0049
	174										611	97400	174	FT	CONDUIT, MISC.: 66" CONDUIT, TYPE C, ROCK CUT	P.0049
5	6	4	6	3	2	3	7	5	3		611	98150	44	EACH	CATCH BASIN, NO. 3	
								1			611	98151	1	EACH	CATCH BASIN, NO. 3, AS PER PLAN	P.0048
4	2	3	2	3	1		1				611	98180	16	EACH	CATCH BASIN, NO. 3A	
10	10	11	6	4	4	5	10	5	3		611	98300	68	EACH	CATCH BASIN, NO. 5	
					1						611	98301	1	EACH	CATCH BASIN, NO. 5, AS PER PLAN	P.0048
				1	1	2	2	1			611	98370	7	EACH	CATCH BASIN, NO. 6	
				1							611	98510	1	EACH	CATCH BASIN, NO. 2-3	
								1			611	98690	1	EACH	CATCH BASIN, MISC.:CITY OF CLEVELAND CB-1 CATCH BASIN	P.0048
5	5	3	2	2							611	99100	17	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	
	1										611	98811	1	EACH	INLET, NO. 3C, AS PER PLAN	
		3	4								611	99110	7	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	
		2			1	1	2				611	98820	6	EACH	INLET, NO. 3D	
1		4	18	15	1	2	4	2	1		611	98840	48	EACH	INLET, NO. 2-A-6	
2	1	1	9	9	2	6	4	3			611	98850	35	EACH	INLET, NO. 2-A-8	
1			3	1	1	8	9	2			611	98860	25	EACH	INLET, NO. 2-A-10	
	1			1	4	1	2	1			611	98870	10	EACH	INLET, NO. 2-A-12	
			2	3		1	1	1	1		611	98880	9	EACH	INLET, NO. 2-A-14	
			2						1		611	98890	3	EACH	INLET, NO. 2-A-16	
		1									611	99000	1	EACH	INLET, NO. 2-A-18	
8	18	8	1	3	22	15	4	1	9		611	99574	89	EACH	MANHOLE, NO. 3	
10	6	2					2		4		611	99575	24	EACH	MANHOLE, NO. 3, AS PER PLAN	P.0048A
					1						611	99575	1	EACH	MANHOLE, NO. 3, AS PER PLAN (2)	P.0048
1	1										611	99660	2	EACH	MANHOLE RECONSTRUCTED TO GRADE	
	1										633	99690	1	EACH	MANHOLE, MISC.: MH-3 MODIFIED	P.0048
										1608	659	00300	1,608	CY	TOPSOIL	
										14216	670	00500	14,216	SY	SLOPE EROSION PROTECTION	
										11691	670	00720	11,691	SY	DITCH EROSION PROTECTION MAT, TYPE B	
										444	836	10000	444	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	

DRAINAGE SUB-SUMMARY

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0347 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 12:31:02 PM USER: KMorton
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\40-Engineering\Drainage\Sheets\76779_DS001.dgn

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 12" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE C FT	611 36" CONDUIT, TYPE C FT	611 42" CONDUIT, TYPE B FT	611 42" CONDUIT, TYPE C FT	611 60" CONDUIT, TYPE B FT	611 CONDUIT, BORED OR JACKED, 15" TYPE B FT	611 18" CONDUIT, TYPE B FT	611 24" CONDUIT, TYPE B FT	611 CONDUIT, BORED OR JACKED, 36", TYPE B FT	611 CONDUIT, BORED OR JACKED, 36", TYPE C FT	611 CONDUIT, BORED OR JACKED, 42", TYPE B FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 3A EACH	611 CATCH BASIN, NO. 5 EACH	611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1 EACH	611 INLET, NO. 2-A-6 EACH	611 INLET, NO. 2-A-8 EACH	611 INLET, NO. 2-A-10 EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO.3, AS PER PLAN EACH	611 MANHOLE RECONSTRUCTED TO GRADE EACH
OUTFALL A																													
1047/1069	D2	WESTWAY DR	49+48.00	49+52.51	LT	6														1									
OUTFALL AH																													
1048/1068	D3A	HILLIARD BLVD	82+10.38	82+13.00	LT	7																					1		
1048/1068	D4	HILLIARD BLVD	82+13.00	82+32.00	LT	19															1								
OUTFALL B																													
1047/1070	D88	IR 90	530+69.00	530+69.00	LT/RT																	1							
1047/1070	D83	IR 90	530+69.00	530+69.00	RT										73	67							1						
1047/1070	D79	IR 90	530+69.00	533+50.00	RT			R5		281												1							
1048/1070	D75	IR 90	533+50.00	535+20.00	RT													170									1		
1048/1070	D71	IR 90	535+20.00	37+53.40	RT			R5		228																	1		
1047/1075	D79A	IR 90	353+30.00	530+69.00	RT				311																				1
1048/1070	D62	RAMP HA	37+53.40	37+60.00	LT/RT												58										1		
1048/1070	D57	RAMP HA	37+60.00	40+16.00	RT					254																	1		
1048/1071	D50	RAMP HA	40+16.00	542+89.00	RT							272															1		
1048/1071	D21	IR 90	542+89.00	545+10.00	RT							221															1		
1049/1072	D19	IR 90	545+10.00	545+54.00	RT						72																1		
1049/1072	D18	IR 90	545+54.00	547+00.00	RT														146									1	
1049/1072	D17	IR 90	547+00.00	547+09.00	RT						29																	1	
1049/1072	D14	IR 90	547+09.00	547+65.00	RT								56															1	
1049/1072	D11	IR 90	547+65.00	551+91.86	RT								416															1	
1047/1075	D86	IR 90	529+87.00	530+69.00	RT		82																1						
1047/1075	D85	IR 90	530+69.00	531+51.00	RT		82																1						
1048/1075	D77	RAMP HB	32+51.00	533+50.00	LT			86														1							
1048/1075	D78	IR 90	533+50.00	533+50.00	RT			16														1							
1048/1075	D67	IR 90	535+40.00	535+20.00	RT			27														1							
1048/1075	D72	RAMP HA	35+43.00	535+20.00	LT		R5	40														1							
1048/1075	D73	RAMP HA	35+43.00	35+70.00	LT/RT		82														1								
1048/1075	D74	RAMP HA	35+70.00	35+75.00	RT			11														1							
1048/1075	D66	IR 90	536+65.00	537+48.00	RT		83																1						
1048/1076	D69	IR 90	537+47.00	537+50.00	LT		9	R7					R7									1							
1048/1076	D65	IR 90	537+50.00	537+48.00	LT/RT		64													1									
1048/1076	D64	IR 90	537+48.00	37+53.40	RT									79														1	
1048/1076	D54	RAMP HA	39+68.00	40+16.00	RT			46																	1				
1048/1076	D53	RAMP HA	40+16.00	540+58.00	RT			40																		1			
1048/1076	D55	RAMP HA	40+16.00	40+16.00	RT			10												1									
1048/1076	D51	RAMP HA	40+16.00	40+16.00	RT			10														1							
1048/1076	D27	IR 90	542+00.00	542+75.00	RT		75																1						
1048/1077	D49	RAMP HB	38+16.00	39+18.00	RT		98													1									
1048/1077	D48	RAMP HB	39+18.00	39+85.00	RT		66													1									
1048/1077	D47	RAMP HB	39+85.00	42+81.00	RT		298																					1	
1048/1077	D28	RAMP HB	42+81.00	542+75.00	RT											75								1					
1048/1077	D26	IR 90	542+75.00	542+91.00	RT											93												1	
1048/1077	D25	IR 90	542+91.00	542+89.00	RT				8																	1			
1048/1077	D22	IR 90	542+89.00	542+89.00	RT				13													1					R4		
1048/1077	D30	RAMP HB	42+73.50	42+73.50	LT	7															1								
1048/1077	D29	RAMP HB	42+73.50	543+25.25	LT		51																					1	
1048/1077	D32	IR 90	543+25.25	543+75.00	LT		50																					1	
1048/1077	D33	IR 90	543+75.00	543+75.25	LT	7															1								
1048/1078	D31	IR 90	543+25.25	42+81.00	LT	R7	R5		R5				R7		53													1	
TOTALS CARRIED TO SHEETS 346 & 347						46	1040	286	332	763	101	493	472	79	126	235	58	170	146	5	4	10	5	1	2	1	8	10	1

DRAINAGE ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:54:23 PM USER: aoldaker
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DO002.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0351 | TOTAL P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	202 SPECIAL - PIPE CLEANOUT, 24" AND UNDER	202 SPECIAL - PIPE CLEANOUT, 27" TO 48"	611 12" CONDUIT, TYPE B	611 15" CONDUIT, TYPE B	611 15" CONDUIT, TYPE C	611 24" CONDUIT, TYPE B	611 36" CONDUIT, TYPE C	611 CONDUIT, BORED OR JACKED, 15" TYPE B	611 18" CONDUIT, TYPE B	611 CONDUIT, BORED OR JACKED, 24" TYPE B	611 INLET, NO. 2-A-8	611 INLET, NO. 3C, AS PER PLAN	611 30" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 54" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT	611 66" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 66" CONDUIT, TYPE C, ROCK CUT	611 CATCH BASIN, NO. 3	611 CATCH BASIN, NO. 3A	611 CATCH BASIN, NO. 5	611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	611 INLET, NO. 2-A-12	611 MANHOLE, NO. 3	611 MANHOLE, NO. 3, AS PER PLAN	611 MANHOLE RECONSTRUCTED TO GRADE	611 MANHOLE, MISC.: MH-3 MODIFIED
						FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
OUTFALL B CONTINUED																																				
1048/1078	D38	IR 90	543+26.00	453+25.25	LT			6																				1								
1048/1078	D42	IR 90	543+26.94	543+26.00	LT			5																												
1048/1078	D24	IR 90	544+00.00	543+97.00	RT					10																			1							
1048/1078	D23	IR 90	543+97.00	542+89.00	RT					108																				1						
1049/1078	D20	IR 90	545+50.00	545+10.00	RT				45																				1							
1049/1078	D13	IR 90	547+43.00	547+65.00	RT				94																					1						
1049/1078	D12	IR 90	547+65.00	547+65.00	RT								79																		1					
1049/1079	D16	IR 90	546+85.00	547+09.00	RT				28			8																		1					
1049/1079	D10	IR 90	553+66.00	553+66.00	LT									84																1					
1049/1079	D9	IR 90	553+66.00	553+75.00	LT										74																1					
1049/1080	D8	IR 90	554+84.00	553+75.00	RT					108																				1						
1049/1080	D7	IR 90	553+75.00	551+80.86	RT						194																				1					
1049/1073	D6	IR 90	551+80.86		RT																														1	
OUTFALL C																																				
1051/1081	D124	IR 90	571+58.00	571+58.00	LT														8											1						
1051/1081	D123	IR 90	571+58.00	571+58.00	LT													70													1					
1051/1081	D122	IR 90	571+58.00	571+58.00	LT/RT															15										1						
1051/1082	D121	IR 90	571+50.00	571+58.00	RT														12											1						
1051/1081	D120	IR 90	571+58.00	571+58.00	RT													59											1							
1051/1081	D116	IR 90	573+57.00	574+00.00	RT															43															1	
1051/1081	D103	IR 90	573+94.00	574+92.46	RT																	99												1		
1051/1081	D102	IR 90	574+92.46	576+36.88	RT	145																														
1051/1082	D112	IR 90	573+57.00	573+94.00	LT													38											1							
1051/1082	D117	IR 90	573+57.00	573+57.00	LT/RT													15													1					
1051/1082	D105	IR 90	573+57.00	573+75.00	RT														20										1							
1051/1082	D104	IR 90	573+75.00	573+94.00	RT														19												1					
1051/1082	D111	IR 90	574+17.00	573+95.00	LT														25												1					
1051/1082	D110	IR 90	573+95.00	574+00.00	LT													59										1								
1051/1082	D108	IR 90	574+00.00	573+94.00	RT												63																	1		
1051/1082	D109	IR 90	574+00.00	573+94.00	LT/RT															11																
1051/1082	D107	IR 90	573+94.00	573+75.00	RT																	10							1							
OUTFALL D																																				
1052/1083	D128	IR 90	580+95.00	582+86.41	LT		190																													1
1052/1083	D130	IR 90	582+86.41	583+51.00	LT																							69					1			
1052/1083	D140	IR 90	583+51.00	584+54.00	LT																							105					1			
1052/1094	D134	IR 90	583+24.00	583+29.00	LT												1			66			1													
1052/1084	D145	IR 90	585+25.00	587+40.00	RT																					214							1		
1052/1095	D150	IR 90	590+15.00	590+57.00	LT													102											1							
1052/1084	D156	IR 90	590+00.00	592+55.00	RT																					254							1		
1053/1084	D158	IR 90	592+55.00	595+10.00	RT																					254							1		
1053/1085	D160	IR 90	595+10.00	598+05.00	RT																					295							1		
1053/1086	D161	IR 90	598+05.00	600+90.00	RT																					285							1		
1053/1096	D165	IR 90	600+90.00	600+90.00	LT			70								1										1									
1053/1086	D176A	IR 90	603+02.00	603+75.00	RT																					73							1		
1053/1086	D185	IR 90	603+75.00	606+30.00	RT																					255							1		
1054/1087	D186	IR 90	606+30.00	609+58.00	RT																				328								1		
1054/1087	D188	IR 90	609+58.00	611+75.00	RT																				218									1	
1054/1087	D202B	IR 90	611+75.00	614+00.00	RT																				226								1		
1054/1088	D196	IR 90	615+50.00	616+36.00	RT																				82									1	
1054/1088	D203A	IR 90	616+36.00	617+25.00	RT																			89								1			
1054/1088	D212	IR 90	617+25.00	618+13.00	RT																			291									1		
1055/1088	D218A	IR 90	618+13.00	620+00.00	RT																		187										1		
1055/1089	D244	IR 90	621+56.00	625+60.00	RT																		404										1		
1055/1089	D245	IR 90	625+60.00	629+58.00	RT																		398										1		
1056/1090	D276	IR 90	629+58.00	34+74.38	RT																		517										1		
1056/1090	D280	IR 90 EB	34+74.38	39+25.00	LT																		452										1		
TOTALS CARRIED TO SHEETS 346 & 347						145	190	81	167	226	194	8	79	84	74	1	1	63	343	84	135	109	1959	380	854	1631	174	6	2	10	5	1	18	6	1	1

DRAINAGE ESTIMATED QUANTITIES

CUY-90-6.69

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0352 TOTAL P.1587

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 4/14/2025 TIME: 12:31:19 PM USER: KMorton
pw:\\structurepoint-pw.bentley.com:structurepoint-pw01\Documents\Projects\200006276779\400-Engineering\Drainage\Sheets\76779_QQ002.dgn

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 CONDUIT, BORED OR JACKED, 15", TYPE B	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE F, ROCK CUT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 24" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 42" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 42" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	611 CATCH BASIN, NO. 3	611 CATCH BASIN, NO. 3A	611 CATCH BASIN, NO. 5	611 INLET, NO. 3 FOR SLOPE BARRIER, TYPE B1	611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	611 INLET, NO. 3D	611 INLET, NO. 2-A-6	611 INLET, NO. 2-A-8	611 INLET, NO. 2-A-10	611 INLET, NO. 2-A-18	611 MANHOLE, NO. 3	611 MANHOLE, NO. 3, AS PER PLAN
						FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
		OUTFALL D CONTINUED																										
1056/1091	D282	IR 90 WB	39+25.00	42+77.00	RT												352										1	
1056/1091	D310	IR 90 WB	44+58.00	46+54.00	RT											196											1	
1056/1091	D311	IR 90 WB	46+54.00	48+50.00	RT										196												1	
1052/1092	D315	IR 90 WB	48+50.00	51+06.00	RT									256													1	
1057/1092	D319	IR 90 WB	53+62.00	54+95.00	RT								133														1	
1057/1092	D335	IR 90 WB	54+95.00	57+71.94	RT						278																1	
1057/1093	D336	IR 90 EB	57+71.94	60+52.00	LT						278								1									
1057/1093	D337	IR 90 EB	60+52.00	60+62.00	LT		123																			1		
1057/1093	D340	RAMP W2A	60+62.00	61+67.00	LT			108																			1	
1057/1093	D341	RAMP W2A	61+67.00	61+67.00	LT/RT		30											1										
1057/1093	D344	RAMP W2A	61+67.00	61+25.00	RT		40																1					
1057/1093	D345	RAMP W2A	61+25.00	60+49.00	RT		78	14																			1	
1052/1094	D136	IR 90	583+16.50	583+29.00	RT							16	6						1									
1052/1094	D135	IR 90	583+29.00	583+24.00	RT/LT							72							1				1					
1052/1094	D133	IR 90	583+29.00	583+51.00	LT								22										1					
1052/1094	D132	IR 90	583+51.00	583+51.00	LT								15														1	
1052/1094	D131	IR 90	583+51.00	583+51.00	LT								22						1									
1052/1094	D142	IR 90	584+80.00	585+25.00	LT/RT		49															1						
1052/1094	D143	IR 90	585+15.00	585+72.00	RT		58											1										
1052/1094	D144	IR 90	585+72.00	587+00.00	RT		126											1										
1052/1095	D146	IR 90	587+40.00	587+40.00	LT\RT		21															1						
1052/1095	D155	IR 90	589+25.00	590+00.00	RT			70											1									
1052/1095	D154	IR 90	590+00.00	590+00.00	RT		34																		1			
1052/1095	D151	IR 90	590+00.00	590+00.00	RT		50																				1	
1052/1095	D149	IR 90	590+00.00	590+15.00	LT/RT		26															1						
1052/1095	D152	IR 90	590+00.00	591+08.00	RT		99																				1	
1052/1095	D153	IR 90	591+08.00	591+00.00	RT		9												1									
1053/1095	D159	RAMP MC	95+34.00	595+10.00	LT/RT	122																	1					
1053/1096	D163	IR 90	600+25.00	600+90.00	RT		66											1										
1053/1096	D162	IR 90	600+90.00	600+90.00	RT		65												1									
1053/1096	D164	IR 90	600+90.00	600+90.00	LT/RT					17										1								
1053/1096	D166	IR 90	600+90.00	600+93.00	LT			6											1									
1053/1096	D171	IR 90	603+01.00	603+01.00	RT			10											1									
1053/1096	D169	IR 90	603+01.00	603+02.00	RT		57											1										
1053/1096	D177	IR 90	603+02.00	603+01.00	LT		68											1										
1053/1096	D175	IR 90	603+02.00	603+02.00	LT/RT		17													1								
1053/1096	D176	IR 90	603+76.00	603+02.00	LT					17										1								
1053/1096	D179	IR 90	603+01.00	603+01.00	LT			10											1									
1053/1097	D180	IR 90	603+01.00	603+78.00	LT		68											1										
1053/1097	D170	IR 90	602+61.00	603+01.00	RT		38																1					
1053/1097	D172	IR 90	603+75.00	603+77.00	RT					57													1					
1053/1097	D173	IR 90	603+77.00	604+98.00	RT		123												1									
1053/1097	D174	IR 90	604+98.00	473+01.00	LT			12	28																			
		TOTALS CARRIED TO SHEETS 346 & 347				122	1245	230	28	91	556	88	198	256	196	196	352	4	3	11	3	3	2	4	1	1	1	8	2

R4 R5 R7

DRAINAGE ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:54:25 PM USER: aoldaker
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DO002.dgn

DESIGN AGENCY
AMERICON STRUCTUREPOINT INC

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0353 TOTAL P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 CONDUIT, BORED OR JACKED, 15" TYPE B	611 CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 12" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT	611 CONDUIT, MISC.: 36" CONDUIT, TYPE B, ROCK CUT	611 CATCH BASIN, NO. 3	611 CATCH BASIN, NO. 3A	611 CATCH BASIN, NO. 5	611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1	611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	611 INLET, NO. 2-A-16	611 INLET, NO. 2-A-6	611 INLET, NO. 2-A-8	611 INLET, NO. 2-A-10	611 INLET, NO. 2-A-14	611 MANHOLE, NO. 3
			FROM	TO		FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
		OUTFALL D CONTINUED																								
1053/1097	D178	IR 90	602+26.00	603+01.00	LT					75							1									
1053/1097	D181	IR 90	603+78.00	605+01.00	LT					120														1		
1053/1097	D182	IR 90	605+01.00	604+99.00	LT					6								1								
1054/1098	D187	RAMP ME	9+34.00	608+58.00	LT	65															1					
1054/1098	D1183	IR 90	614+00.00	613+96.00	LT						6							1								
1054/1098	D191	IR 90	610+95.00	912+00.00	LT					100														1		
1054/1098	D189	IR 90	611+75.00	611+75.00	RT							15							1							
1054/1098	D190	IR 90	611+75.00	612+00.00	LT/RT							85						1								
1054/1098	D192	IR 90	612+00.00	612+45.00	LT					47														1		
1054/1098	D193	IR 90	612+45.00	612+67.00	LT					43														1		
1054/1098	D194	IR 90	612+67.00	631+96.00	LT					126														1		
1055/1099	D206	IR 90	616+25.00	616+25.00	LT					9								1								
1055/1099	D201	IR 90	616+36.00	616+36.00	RT								15								1					
1055/1099	D197	IR 90	616+36.00	616+36.00	RT					66						1										
1055/1099	D198	IR 90	615+70.00	615+50.00	RT					75													1		1	
1055/1100	D199	IR 90	616+36.00	617+03.00	RT			6		80								1								
1055/1099	D207	IR 90	617+28.00	617+10.00	LT					88													1			
1055/1099	D208	IR 90	617+10.00	616+00.00	LT					90													1			
1055/1099	D209	IR 90	616+00.00	617+01.00	LT			6		99													1			
1055/1099	D202	IR 90	615+56.00	615+50.00	RT							12									1					
1055/1100	D203	IR 90	617+25.00	617+28.00	RT							13									1					
1055/1099	D204	IR 90	616+36.00	616+36.00	LT/RT								85			1										
1055/1099	D205	IR 90	615+30.00	615+56.00	LT	92										1			1							
1055/1101	D213	IR 90	618+13.00	618+15.00	LT		102								102							1		1		
1055/1101	D214	IR 90	618+15.00	619+37.00	LT										122								1			
1055/1101	D215	IR 90	619+37.00	620+63.00	LT									6	126		1									
1055/1102	D241	IR 90	628+01.00	626+50.00	LT				6	151													1			
1055/1102	D240	IR 90	626+50.00	624+75.00	LT					175													1			
1055/1102	D238	IR 90	624+75.00	623+00.00	LT			6		172														1		
1055/1102	D237	IR 90	623+00.00	621+59.00	LT					142													1			
1055/1102	D234	IR 90	621+59.00	621+56.00	LT/RT			6					99										1			
1055/1102	D220	IR 90	621+56.00	621+46.00	RT								69												1	
1055/1102	D225	IR 90	621+46.00	622+75.00	RT							131												1		
1055/1103	D226	IR 90	622+75.00	624+25.00	RT							151												1		
1055/1103	D227	IR 90	624+25.00	625+50.00	RT							128				1										
1055/1103	D228	IR 90	625+50.00	626+50.00	RT					99													1			
1055/1103	D229	IR 90	626+50.00	627+50.00	RT					100													1			
1055/1103	D230	IR 90	627+50.00	628+50.00	RT					101													1			
1055/1103	D231	IR 90	628+50.00	629+36.00	RT					87													1			
1055/1104	D223	IR 90	619+01.00	619+35.00	RT						35															1
1055/1104	D222	IR 90	619+35.00	620+72.00	RT					137													1			
1055/1104	D221	IR 90	620+72.00	621+46.00	RT					69						1										
1055/1104	D233	IR 90	621+86.00	621+56.00	RT					33									1							
1055/1105	D273	IR 90	639+25.00	638+00.00	LT					125													1			
1055/1105	D272	IR 90	638+00.00	636+50.00	LT					144													1			
1057/1111	D302	IR 90 EB	44+55.00	44+40.00	RT							106				1										
1058/1113	D320	IR 90 EB	55+08.00	54+95.00	RT							158									1					
1058/1113	D323	IR 90 WB	54+95.00	55+04.00	LT				11			90													1	
1054/1098	D1182	IR 90	611+75.00	611+75.00	RT					87								1			1					
		TOTALS CARRIED TO SHEETS 346 & 347				157	102	24	17	2646	41	889	268	108	248	6	2	6	2	4	2	18	7	3	2	1

DRAINAGE ESTIMATED QUANTITIES

DESIGN AGENCY
AMEREON STRUCTUREPOINT INC

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0354 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 4 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:54:26 PM USER: aoldaker
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DO002.dgn

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 CONDUIT, MISC.: 12" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE F, ROCK CUT FT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 24" CONDUIT, TYPE C, ROCK CUT FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 3A EACH	611 CATCH BASIN, NO. 5 EACH	611 CATCH BASIN, NO. 6 EACH	611 CATCH BASIN, NO. 2-3 EACH	611 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1 EACH	611 INLET, NO. 2-A-6 EACH	611 INLET, NO. 2-A-8 EACH	611 INLET, NO. 2-A-10 EACH	611 INLET, NO. 2-A-12 EACH	611 INLET, NO. 2-A-14 EACH	611 MANHOLE, NO. 3 EACH
		OUTFALL D CONTINUED																							
1056/1105	D271	IR 90	636+56.00	36+40.00	LT		35													1					
1056/1105	D269	RAMP W1	36+40.00	634+85.00	LT		144										1								
1056/1105	D268	IR 90	634+85.00	633+38.00	LT		149								1										
1056/1105	D267	IR 90	633+38.00	632+05.00	LT					133										1					
1056/1105	D266	IR 90	632+05.00	631+27.00	LT					78										1					
1056/1105	D263	IR 90	631+27.00	629+50.00	LT	5						177								1					
1056/1106	D262	IR 90	629+50.00	629+50.00	LT							91								1					
1056/1106	D261	IR 90	629+50.00	629+58.00	LT/RT							17						1							
1056/1106	D246	IR 90	629+58.00	629+59.00	RT					59											1				
1056/1106	D250	IR 90	629+59.00	631+90.00	RT					231											1				
1056/1106	D251	IR 90	631+90.00	33+80.00	RT					190											1				
1056/1106	D252	IR 90 EB	33+80.00	34+70.00	RT					93															1
1056/1106	D254	IR 90	34+70.00	35+50.00	RT					77											1				
1056/1106	D255	IR 90	35+50.00	37+12.00	RT					166															1
1056/1106	D257	IR 90	37+12.00	37+15.00	RT		22							1											
1056/1107	D258	IR 90	37+15.00	39+55.00	RT		237														1				
1056/1107	D249	RAMP W2	30+76.00	29+66.00	LT		109														1				
1056/1107	D247	RAMP W2	29+66.00	629+59.00	LT		11													1					
1056/1108	D253	RAMP W2	34+76.00	34+70.00	LT/RT		42								1										
1056/1108	D256	IR 90 EB	37+52.75	37+12.00	RT		41											1							
1056/1108	D277	IR 90	634+75.00	34+74.38	LT		15												1						
1057/1109	D283	IR 90 EB	42+71.18	42+77.00	RT						13					1									
1057/1109	D289	IR 90 WB	43+25.00	44+15.00	LT					90					1										
1057/1109	D290	IR 90 WB	44+15.00	46+02.00	LT	8	185													1					
1057/1109	D293	IR 90 WB	46+02.00	47+60.00	LT		158													1					
1057/1109	D294	IR 90 WB	47+60.00	49+25.50	LT	6	166													1					
1057/1109	D296	IR 90 WB	49+25.50	51+50.00	LT		222																1		
1057/1110	D288	RAMP W1	41+40.00	41+40.00	LT		66															1			
1057/1110	D287	IR 90 WB	41+40.00	42+37.00	LT		99																		1
1057/1110	D286	IR 90 WB	42+37.00	43+25.00	LT		86													1					
1057/1111	D301	IR 90 EB	44+58.00	44+55.00	LT/RT						24					1									
1057/1109	D285	IR 90 WB	42+77.00	43+25.00	LT							90		1											
1057/1111	D304	IR 90 EB	44+40.00	45+25.00	RT		83													1					
1057/1111	D305	IR 90 EB	45+25.00	47+10.00	RT		184														1				
1057/1111	D306	IR 90 EB	47+10.00	49+00.00	RT		190														1				
1057/1111	D307	IR 90 EB	49+00.00	51+70.00	RT		267																	1	
1057/1112	D303	IR 90 EB	43+88.00	44+40.00	RT		50													1					
1057/1112	D312	IR 90 EB	48+50.00	48+50.00	LT						24					1									
1057/1112	D317	IR 90 EB	53+66.00	53+62.00	LT								31			1									
1057/1112	D326	IR 90 WB	60+50.00	57+88.00	LT		263																	1	
1058/1113	D321	S MARGINAL RD	34+00.00	55+08.00	LT				57																
1058/1113	D325	IR 90 WB	55+04.00	57+88.00	LT		284																	1	
1058/1113	D328	RAMP W1A	57+88.00	57+65.00	RT			61												1					
1058/1113	D329	RAMP W1A	57+65.00	58+61.00	RT		94							1											
1058/1113	D330	RAMP W1A	58+61.00	59+45.00	RT		82													1					
1058/1113	D331	RAMP W1A	59+45.00	60+85.00	RT		138														1				
1058/1114	D333	RAMP W1A	60+85.00	63+00.00	RT		215													1	9			3	
		TOTALS CARRIED TO SHEETS 346 & 347				19	3637	61	57	1117	61	375	31	3	3	4	1	1	2	15	9	1	1	3	3

DRAINAGE ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 5 PAPERSIZE: 34x22 (in) DATE: 4/11/2025 TIME: 10:54:27 PM USER: aoladipo
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DQ002.dgn

DESIGN AGENCY
STRUCTUREPOINT INC.
WISCONSIN

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0355 | TOTAL P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 15" CONDUIT, TYPE C FT	611 15" CONDUIT, TYPE F FT	611 18" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE C FT	611 30" CONDUIT, TYPE C FT	611 54" CONDUIT, TYPE C FT	611 CONDUIT, BORED OR JACKED, 15" TYPE B FT	611 15" CONDUIT, TYPE B FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 36" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 42" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 42" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 54" CONDUIT, TYPE C, ROCK CUT FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 3A EACH	611 CATCH BASIN, NO. 5 EACH	611 CATCH BASIN, NO. 5, AS PER PLAN EACH	611 CATCH BASIN, NO. 6 EACH	611 INLET, NO. 3D EACH	611 INLET, NO. 2-A-6 EACH	611 INLET, NO. 2-A-8 EACH	611 INLET, NO. 2-A-10 EACH	611 INLET, NO. 2-A-12 EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 3 AS PER PLAN (2) EACH
OUTFALL D CONTINUED																																			
1058/1114	D343	RAMP W2A	61+52.00	61+67.00	RT										19										1										
1058/1114	D342	RAMP W2A	62+08.00	61+67.00	RT									37																	1				
1058/1114	D339	RAMP W2A	60+77.00	60+62.00	LT							R5			28																				
OUTFALL F																																			
1059/1115	D400	IR 90 EB	65+09.00	65+00.00	RT											136				1				1										
1059/1115	D399	IR 90 EB	65+00.00	66+63.00	RT											163																	1		
1059/1115	D398	IR 90 EB	66+63.00	66+60.68	RT												43																1		
1059/1116	D374	IR 90 EB	75+15.00	76+56.00	LT														141															1	
1059/1116	D370	IR 90 EB	76+56.00	678+15.00	RT														184	R5													1	
1059/1117	D358	IR 90	678+15.00	678+41.54	LT																66														1
1059/1118	D384	IR 90 EB	69+05.00	71+60.00	RT									258																			1		
1059/1118	D383	IR 90 EB	71+60.00	71+29.97	RT										70									1											
1059/1118	D376	IR 90 EB	74+59.99	75+14.99	LT									55										1											
1059/1118	D371	IR 90 EB	76+59.99	76+55.99	LT										6																		1		
1059/1119	D368	IR 90	674+75.15	676+74.22	RT										192										1										
1059/1119	D367	IR 90	676+74.22	678+15.00	RT										140																1				
1059/1119	D366	IR 90	678+15.00	678+35.00	RT										18																1				
1059/1119	D361	IR 90	674+82.31	676+50.00	RT												168								1										
1060/1119	D360	IR 90	676+50.00	678+15.00	RT												165																	1	
OUTFALL F																																			
1061/1120	D438	IR 90	694+90.00	694+75.00	LT					R7			91												1										
1061/1120	D437	IR 90	694+75.00	695+00.00	LT		73																							1					
1061/1120	D436	IR 90	695+00.00	695+61.50	LT			6																			1								
OUTFALL M																																			
1061/1121	D937	IR 90	697+75.00	697+75.00	LT							R7	80																		1				
1061/1121	D936	IR 90	697+75.00	698+75.00	LT	100																												1	
1061/1121	D934	IR 90	698+75.00	701+10.00	LT	233																												1	
1062/1121	D930	IR 90	701+10.00	703+95.00	LT	282																												1	
1062/1121	D926	IR 90	703+95.00	706+53.00	LT				256																									1	
1062/1121	D923	IR 90	706+53.00	709+28.00	LT				274																									1	
1062/1122	D920	IR 90	709+28.00	711+40.00	LT				212																									1	
1062/1122	D919	IR 90	711+40.00	713+64.00	LT				224																									1	
1063/1122	D916	IR 90	713+64.00	716+08.00	LT					244																								1	
1063/1122	D914	IR 90	716+08.00	718+50.00	LT													242																1	
1063/1123	D911	IR 90	718+50.00	720+00.00	LT													150																1	
1063/1123	D909	IR 90	720+00.00	722+44.00	LT													240																1	
1063/1123	D902	IR 90	722+44.00	724+90.00	LT													250																1	
1064/1123	D900	IR 90	724+90.00	727+73.00	LT													283																1	
1064/1124	D875	IR 90	727+73.00	730+34.00	LT																261													1	
1064/1124	D870	IR 90	730+34.00	732+39.00	LT																205													1	
1064/1124	D856	IR 90	735+76.00	738+65.00	LT																		289											1	
1065/1125	D855	IR 90	738+65.00	741+56.00	LT						291																							1	
1065/1126	D838	IR 90	741+56.00	745+05.00	LT						349																							1	
1064/1124	D864	IR 90	734+50.00	735+76.00																	126													1	
TOTALS CARRIED TO SHEETS 346 & 347						615	73	6	966	244	640	171		350	473	299	376	1165	325	67	592	289	2	1	4	1	1	1	1	2	1	4	22	1

R4 R5 R7

DRAINAGE ESTIMATED QUANTITIES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0356 | TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 6 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:54:28 PM USER: aoldaker
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-A1\Documents\Projects\202000062\76779400-Engineering\Drainage\Sheets\76779_DQ002.dgn

DRAINAGE ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE B FT	611 24" CONDUIT, TYPE C FT	611 54" CONDUIT, TYPE C FT	611 CONDUIT, BORED OR JACKED, 15" TYPE B FT	611 24" CONDUIT, TYPE B FT	611 CONDUIT, BORED OR JACKED, 54", TYPE C FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 54" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 60" CONDUIT, TYPE C, ROCK CUT FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 5 EACH	611 CATCH BASIN, NO. 6 EACH	611 INLET, NO. 3D EACH	611 INLET, NO. 2-A-6 EACH	611 INLET, NO. 2-A-8 EACH	611 INLET, NO. 2-A-10 EACH	611 INLET, NO. 2-A-12 EACH	611 INLET, NO. 2-A-14 EACH	611 MANHOLE, NO. 3 EACH
OUTFALL M CONTINUED																												
1065/1126	D825	IR 90	745+05.00	749+75.00	LT					470																		1
1066/1127	D814	IR 90	749+75.00	751+75.00	LT								200															1
1066/1127	D811	IR 90	751+75.00	753+59.00	LT					184																		1
1066/1127	D808	IR 90	753+59.00	754+69.00	LT											110												1
1066/1127	D806	IR 90	754+69.00	755+63.00	LT					94																		1
1066/1127	D800	IR 90	755+63.00	756+74.00	LT					111																		1
1066/1127	D798	IR 90	756+74.00	758+05.00	LT					131																		1
1066/1127	D795	IR 90	758+05.00	759+15.00	LT								110															1
1066/1128	D785	IR 90	759+15.00	763+00.00	LT					384																		1
1067/1128	D779	IR 90	763+00.00	765+75.00	LT					274																		1
1067/1128	D777	IR 90	765+75.00	768+00.00	LT					226																		1
1067/1129	D770	IR 90	768+52.00	70+50.00	RT														209									1
1067/1129	D755	RAMP W13	70+50.00	773+79.38	RT													9										1
1061/1130	D935	IR 90	698+75.00	698+75.00	LT	75															1							
1062/1130	D931	IR 90	701+03.00	701+10.00	RT	110																					1	
1062/1130	D933	IR 90	701+10.00	701+10.00	LT	77															1							
1062/1130	D928	IR 90	703+90.00	903+95.00	RT	95														1								
1062/1130	D927	IR 90	703+95.00	703+95.00	LT		13														1							
1062/1130	D929	IR 90	703+95.00	703+95.00	LT	76																1						
1062/1130	D925	IR 90	706+50.00	706+53.00	LT	83																					1	
1062/1131	D921	IR 90	709+24.00	709+28.00	RT	110																						1
1062/1131	D922	IR 90	709+28.00	709+25.00	LT	80																					1	
1063/1131	D917	IR 90	713+64.00	713+64.00	LT		11														1							
1063/1131	D918	IR 90	713+64.00	713+60.00	LT	80																						1
1063/1131	D910	IR 90	720+00.00	720+00.00	LT										13						1							
1063/1132	D908	IR 90	714+00.00	715+50.00	RT	146																						1
1063/1132	D907	IR 90	715+50.00	717+00.00	RT	154																						1
1063/1132	D906	IR 90	717+00.00	719+70.00	RT	270																						1
1063/1132	D905	IR 90	719+70.00	722+50.00	RT									276												1		
1064/1134	D884	IR 90	724+50.00	725+75.00	LT	125																						1
1064/1134	D883	IR 90	725+75.00	27+00.68	LT	124																						1
1064/1134	D882	RAMP 117-5	27+00.68	27+53.00	LT	50																					1	
1064/1134	D878	RAMP 117-5	27+53.00	727+73.00	LT						126									1								
1064/1134	D885	IR 90	727+73.00	727+68.00	RT				17												1							
1064/1134	D886	RAMP 117-8	727+68.00	27+20.00	LT							206									1							
1064/1134	D896	RAMP 117-8	27+20.00	27+20.00	RT			38												1								
1064/1134	D893	RAMP 117-8	30+50.00	29+00.00	RT	151																						1
1064/1134	D892	RAMP 117-8	29+00.00	28+94.00	RT	31																					1	
1064/1135	D888	RAMP 117-8	30+65.00	28+94.00	LT	166																					1	
1064/1135	D887	RAMP 117-8	28+94.00	27+20.00	LT			180																		1		
1064/1135	D898	RAMP 117-8	24+45.00	25+80.00	RT	130																						1
1064/1135	D891	RAMP 117-8	25+80.00	26+70.00	RT	92																						1
1064/1135	D897	RAMP 117-8	26+70.00	27+20.00	RT	47																					1	
1064/1135	D890	RAMP 117-8	27+20.00	27+70.00	RT	48																				1		
TOTALS CARRIED TO SHEETS 346 & 347						2320	24	218	17	1874	126	206	310	276	13	110	9	209	3	5	2	1	2	6	8	1	1	15

R4 R5 R7

MODEL: Sheet 7 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:54:29 PM USER: aoldaker
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DQ002.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0357 TOTAL P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE B FT	611 24" CONDUIT, TYPE B FT	611 CONDUIT, MISC.: 30" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 18" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 24" CONDUIT, TYPE B, ROCK CUT FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 3A EACH	611 CATCH BASIN, NO. 5 EACH	611 CATCH BASIN, NO. 6 EACH	611 INLET, NO. 3D EACH	611 INLET, NO. 2-A-6 EACH	611 INLET, NO. 2-A-8 EACH	611 INLET, NO. 2-A-10 EACH	611 INLET, NO. 2-A-12 EACH	611 INLET, NO. 2-A-14 EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 3, AS PER PLAN EACH
OUTFALL M CONTINUED																											
1064/1136	D880	RAMP 117-5	29+00.00	28+14.00	LT							84										1					
1064/1136	D879	RAMP 117-5	28+14.00	27+53.00	LT							59								1							
1064/1136	D872	IR 90	730+86.00	730+22.00	RT									75			1										
1064/1136	D873	IR 90	729+56.00	730+22.00	RT								70				1										
1064/1136	D871	IR 90	730+22.00	730+34.00	RT					114													1				
1064/1136	D867	IR 90	732+47.00	732+34.00	LT							12					1										
1065/1137	D863	RAMP 117-12	34+50.00	40+74.00	RT								41				1										
1065/1137	D862	RAMP 117-11	40+74.00	38+85.00	LT								164													1	
1065/1137	D860	RAMP 117-11	38+85.00	736+00.00	LT							214														1	
1065/1137	D857	IR 90	735+76.00	735+76.00	RT								11				1										
1065/1137	D861	RAMP 117-12	36+86.00	38+85.00	LT							46											1				
1065/1137	D859	IR 90	735+12.00	735+76.00	LT								90									1					
1065/1138	D848	RAMP 117-9	34+90.00	36+60.00	RT								164											1			
1065/1138	D847	RAMP 112-9	36+60.00	38+25.00	RT							169															1
1065/1138	D846	RAMP 112-9	38+25.00	36+98.00	RT							126													1		
1065/1138	D845	RAMP 112-9	36+98.00	740+15.00	RT									56												1	
1065/1138	D843	IR 90	740+15.00	741+57.00	RT									139								1					
1065/1138	D841	IR 90	741+57.00	741+56.00	RT									134												1	
1065/1138	D840	IR 90	741+56.00	741+50.00	LT							85												1			
1065/1139	D853	IR 90	735+75.00	738+46.00	RT							271										1					
1065/1139	D851	IR 90	738+46.00	739+54.00	RT							107										1					
1065/1139	D850	IR 90	739+54.00	739+62.98	RT							41								1							
1065/1139	D852	IR 90	738+98.00	738+46.00	RT							50					1										
1065/1139	D842	IR 90	742+10.00	741+57.00	RT		53								1												
1065/1140	D835	RAMP 117-12	39+10.00	41+00.00	LT		189								1												
1065/1140	D834	RAMP 117-12	41+00.00	43+30.00	LT		227														1						
1065/1140	D832	RAMP 117-12	43+30.00	743+59.00	LT			57											1								
1065/1140	D830	IR 90	743+59.00	745+05.00	LT			145													1						
1065/1140	D828	IR 90	745+05.00	745+05.00	LT				77																		1
1065/1140	D826	IR 90	745+05.00	745+03.50	LT/RT		11										1										
1065/1140	D829	IR 90	744+85.00	745+05.00	LT	45									1												
1065/1141	D831	IR 90	742+46.00	743+59.00	LT		115										1										
1065/1141	D819	IR 90	744+05.00	746+25.00	RT	220																	1				
1065/1141	D817	IR 90	746+25.00	748+40.00	RT	211																	1				
1066/1141	D816	IR 90	748+40.00	749+75.00	RT	135										1											
1066/1142	D815	IR 90	749+75.00	749+75.00	RT				113										1								
1066/1142	D821	IR 90	749+75.00	749+70.00	LT	97																	1				
1066/1142	D822	IR 90	749+70.00	748+50.00	LT	124									1												
1066/1142	D822A	IR 90	748+50.00	747+25.00	LT	125									1												
1066/1142	D823	IR 90	747+25.00	746+00.00	LT	125									1												
1066/1143	D812	IR 90	751+75.00	751+75.00	LT/RT								11				1										
1066/1143	D809	IR 90	753+59.00	753+59.00	LT/RT	114												1									
1066/1143	D807	IR 90	754+75.00	754+69.00	LT/RT	114												1									
1063/1131	D912	IR 90	718+46.25	718+50.00	LT							87											1				
1063/1132	D904	IR 90	722+50.00	722+40.00	RT						127				1												
1063/1133	D903	IR 90	722+40.00	722+00.00	LT							103											1				
1064/1136	D866	IR 90	732+34.00	732+39.00	LT							102															
1065/1137	D858	IR 90	735+76.00	735+76.00	LT									138			1										
TOTALS CARRIED TO SHEETS 346 & 347						1310	595	202	190	114	127	1556	551	542	7	1	10	2	2	4	4	9	2	1	4	2	

DRAINAGE ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 8 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:54:30 PM USER: aoldaker
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DQ002.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0358 | TOTAL P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 12" CONDUIT, TYPE B FT	611 12" CONDUIT, TYPE C FT	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 18" CONDUIT, TYPE C FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 15" CONDUIT, TYPE C, ROCK CUT FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 3, AS PER PLAN EACH	611 CATCH BASIN, NO. 5 EACH	611 CATCH BASIN, NO. 6 EACH	611 CATCH BASIN, MISC.: CB-1 (CITY OF CLEVELAND) EACH	611 INLET, NO. 2-A-6 EACH	611 INLET, NO. 2-A-8 EACH	611 INLET, NO. 2-A-10 EACH	611 INLET, NO. 2-A-12 EACH	611 INLET, NO. 2-A-14 EACH	611 MANHOLE, NO. 3 EACH		
OUTFALL M CONTINUED																									
1066/1144	D803	IR 90	755+76.25	755+63.00	LT			84																	
1066/1144	D801	IR 90	755+63.00	755+65.00	LT/RT				15						1										
1066/1144	D802	IR 90	755+65.00	755+56.00	RT	103										1									
1066/1144	D799	IR 90	756+75.75	756+74.00	LT			87																	
1066/1144	D796	IR 90	757+75.00	758+05.00	LT			92		R7															
1067/1145	D793	IR 90	761+00.00	759+15.00	RT			190													1				
1067/1145	D792	IR 90	759+15.00	759+15.00	LT/RT	119													1						
1067/1145	D786	IR 90	759+15.00	759+67.00	LT	110							1												
1067/1145	D788	IR 90	759+67.00	760+85.00	LT			115	R5				1												
1067/1145	D789	IR 90	760+85.00	762+45.00	LT			150														1			
1067/1145	D790	IR 90	762+45.00	764+25.00	LT			177													1				
1067/1146	D780	IR 90	763+00.00	763+00.00	LT				14						1										
1067/1146	D776	IR 90	765+70.00	768+52.00	LT				282														1		
1067/1146	D773	RAMP W13	68+31.00	68+34.87	LT			47											1						
1067/1146	D772	IR 90	68+34.87	768+57.00	LT				41				1												
1067/1146	D765	RAMP W13	70+27.00	70+28.00	RT							11							1						
1067/1146	D764	RAMP W13	70+28.00	70+50.00	RT							21			1										
1067/1146	D760	RAMP W13	70+50.00	70+60.00	RT							16	1												
1067/1146	D761	RAMP W13	70+60.00	70+49.00	LT/RT						29							1							
1067/1146	D762	RAMP W13	70+49.00	70+80.00	LT						30		1												
OUTFALL G																									
1064/1147	D442	W 117TH ST	53+84.00	33+60.64	RT	6											1								
1064/1147	D441	W 117TH ST	33+60.64	53+88.60	RT	5																	1		
OUTFALL H																									
1064/1148	D448	RAMP 117-8	32+94.00	44+09.59	LT		68								1										
OUTFALL I																									
1067/1149	D452	RAMP W14	69+50.00	69+44.00	LT/RT			48							1										
1067/1149	D451	RAMP W14	69+44.00	69+57.49	RT					34				1											
1067/1149	D453	RAMP W14	69+11.00	69+44.00	RT							31						1							
TOTALS CARRIED TO SHEETS 346 & 347						343	68	990	352	34	59	79	5	1	5	1	1	2	3	2	1	1	1		

R5 R7

DRAINAGE ESTIMATED QUANTITIES

DESIGN AGENCY
AMEREON STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0359 | TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 9 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:54:31 PM USER: aoldaker
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DRAINAGE ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	611 CONDUIT, MISC.:12" CONDUIT, TYPE B, ROCK CUT EACH	611 CONDUIT, MISC.:12" CONDUIT, TYPE C, ROCK CUT EACH	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 15"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 18"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 24"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 30"TYPE C FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 36"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 42"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 42"TYPE C FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 48"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 48"TYPE C FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 54"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 60"TYPE B FT	611 CONDUIT, BORED OR JACKED, AS PER PLAN (2), 66"TYPE B FT	611 CATCH BASIN, NO. 3 EACH	611 CATCH BASIN, NO. 5 EACH	611 INLET, NO. 2-A-6 EACH	611 INLET, NO. 2-A-14 EACH	611 INLET, NO. 2-A-16 EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 3, AS PER PLAN EACH
OUTFALL C																									
1051/1081	D118	IR 90	571+58.00	573+57.00	RT					199															1
1051/1082	D110	IR 90	573+95.00	574+00.00	LT			68													1					
OUTFALL D																									
1052/1084	D141	IR 90	584+54.00	585+25.00	LT/RT															142					1
1052/1084	D141A	IR 90	585+25.00	585+72.00	LT/RT															90				1	
1052/1084	D148	IR 90	587+40.00	590+00.00	RT															259					1
1053/1086	D168	IR 90	600+90.00	603+02.00	RT															212				1	
1054/1087	202A	IR 90	614+00.00	615+50.00	RT														155					1	
1055/1088	D219	IR 90	620+00.00	621+56.00	RT											156									1
1056/1091	D300	IR 90 WB	42+77.00	44+58.00	RT												181							1	
1057/1092	D316	IR 90 WB	51+06.00	53+62.00	RT						256													1	
1052/1095	D150	IR 90	590+15.00	590+57.00	LT			102														1			
1053/1096	D162	IR 90	600+90.00	600+90.00	RT			65														1			
1053/1096	D177	IR 90	603+02.00	603+01.00	LT			68													1				
1055/1100	D199	IR 90	616+36.00	617+03.00	RT	6		80														1			
1055/1099	D207	IR 90	617+28.00	617+10.00	LT			88															1		
1057/1111	D302	IR 90 EB	44+55.00	44+40.00	RT				106												1				
1058/1113	D320	IR 90 EB	55+08.00	54+95.00	RT				158																
1058/1113	D323	IR 90 WB	54+95.00	55+04.00	LT		11		90														1	1	
OUTFALL E																									
1059/1116	D365	IR 90	678+15.00	678+15.00	RT							92												1	
1059/1117	D359	IR 90	678+15.00	678+15.00	RT								143											1	
OUTFALL M																									
1064/1124	D865	IR 90	732+39.00	734+50.00	LT									211										1	
1067/1128	D775	IR 90	768+00.00	768+52.00	LT													147						1	
TOTALS CARRIED TO SHEETS 346 & 347						6	11	471	354	199	256	92	143	211	156	181	147	155	703	3	3	1	1	1	9	4

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC

DESIGNER BER

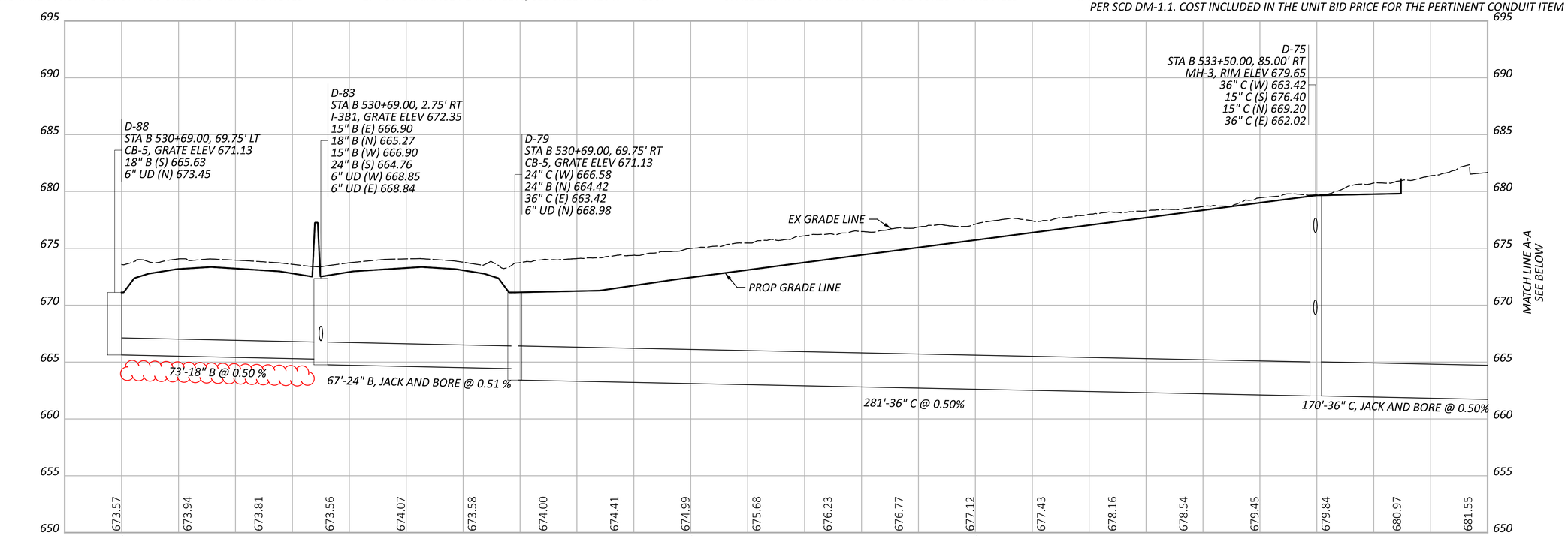
REVIEWER VDK 08/09/23

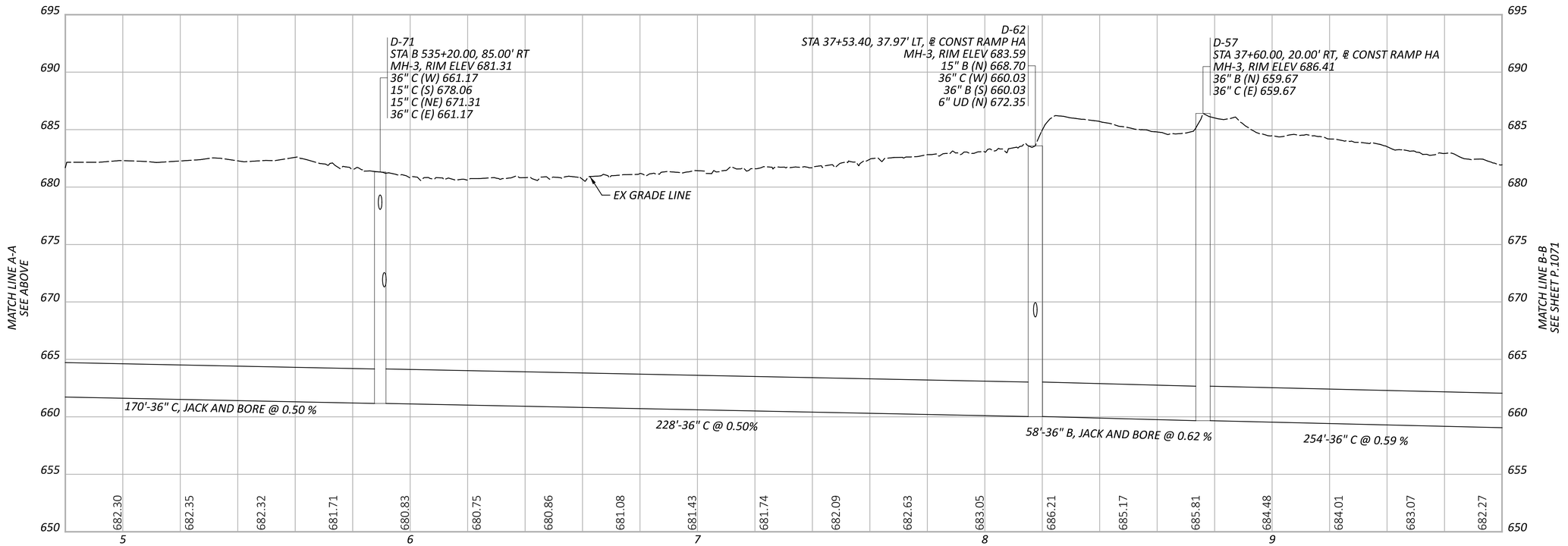
PROJECT ID 76779

SHEET P.0359A TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM





STORM SEWER PROFILES
OUTFALL B

CUY-90-6.69

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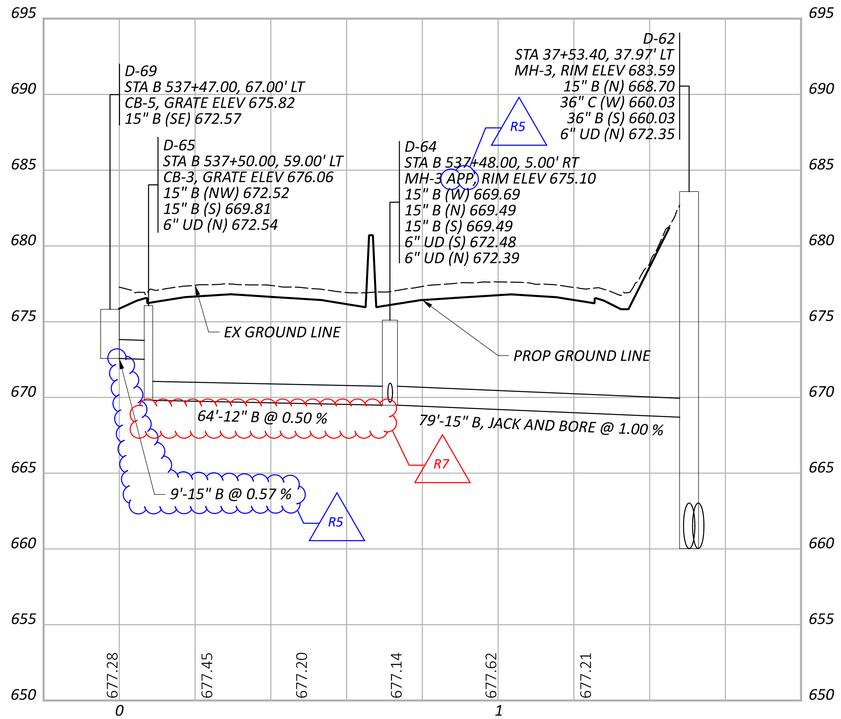
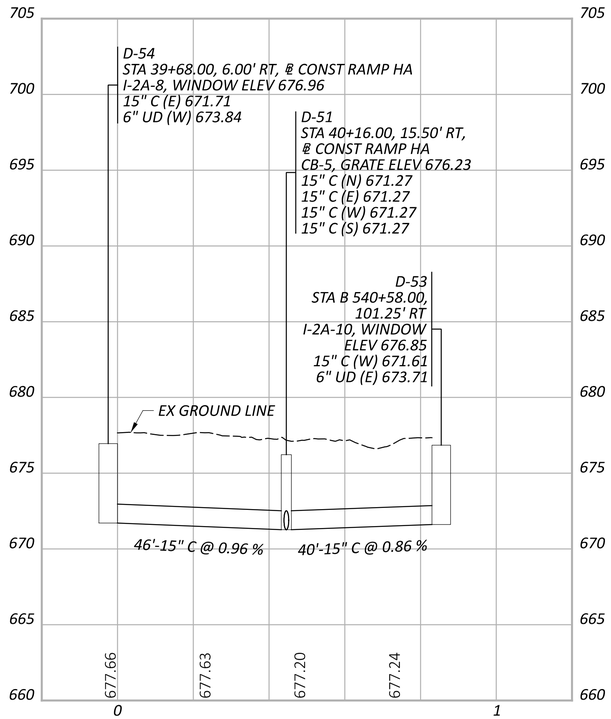
DESIGN AGENCY
STRUCTUREPOINT INC.

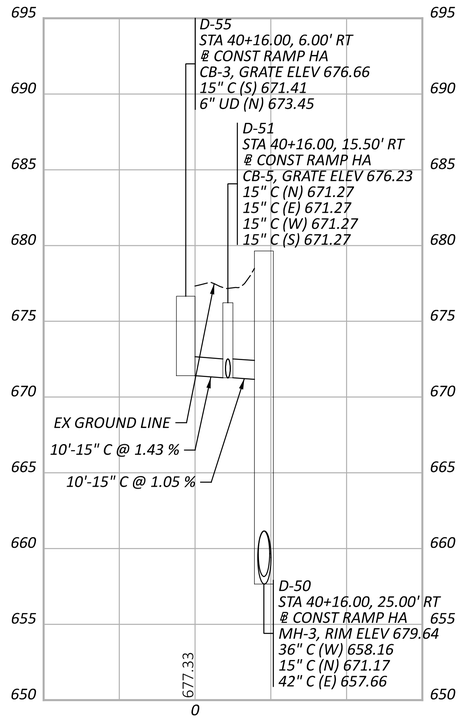
DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1070
TOTAL	P.1587

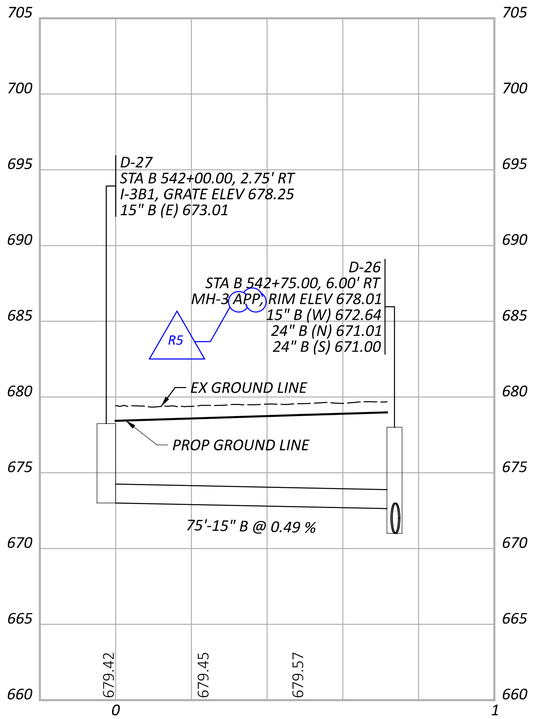
NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM









STORM SEWER PROFILES
OUTFALL B

CUY-90-6.69

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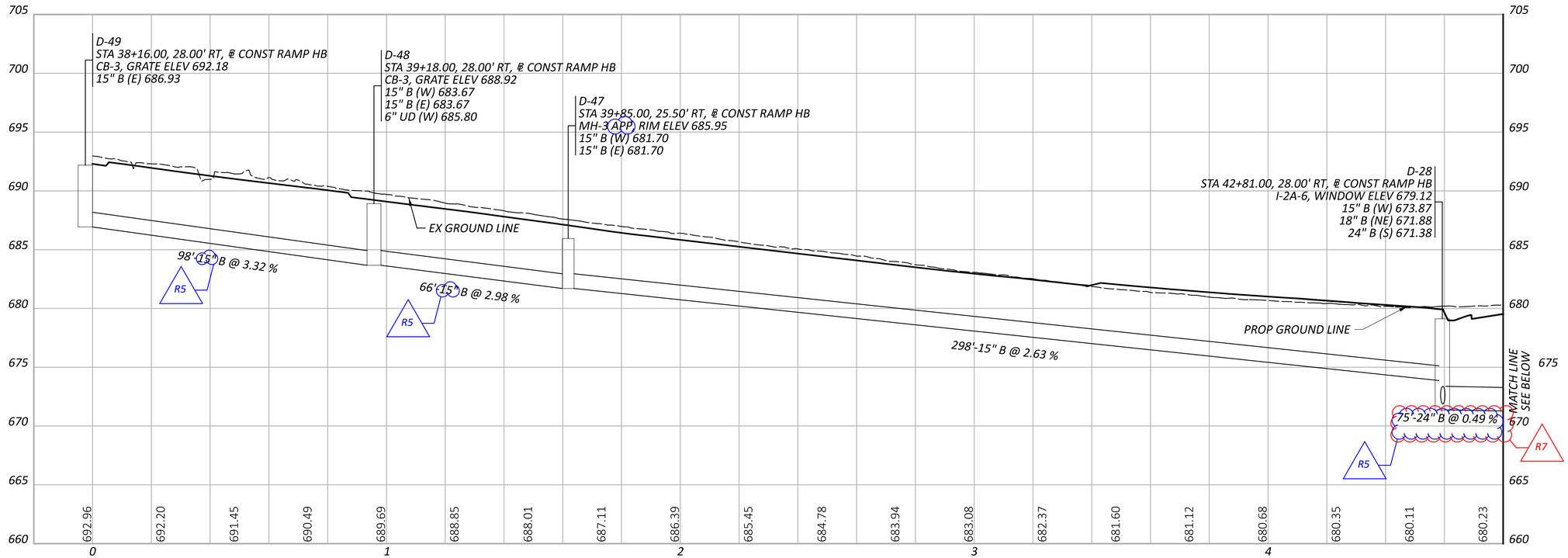
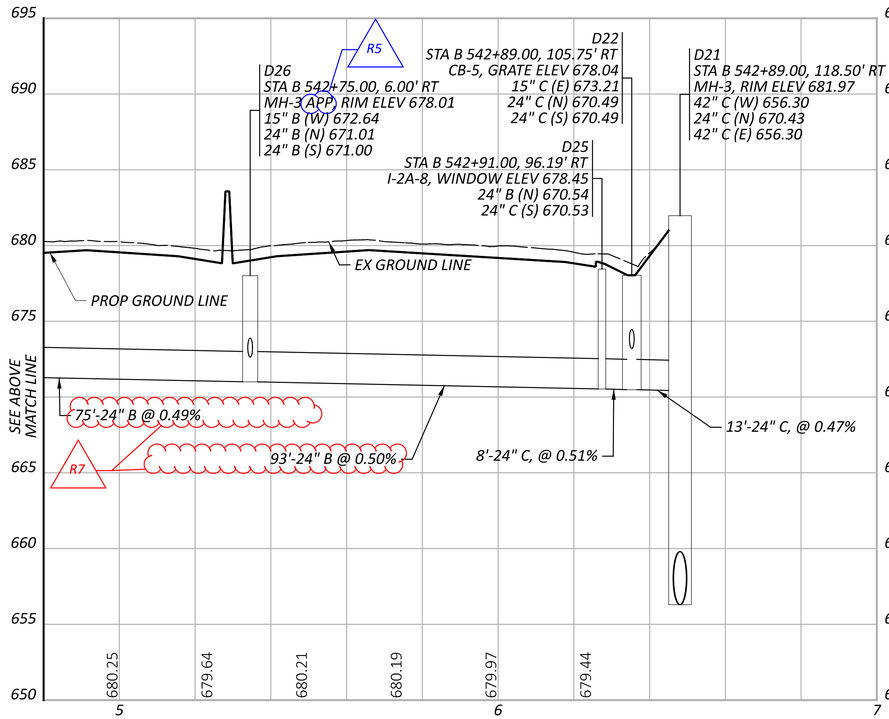
DESIGN AGENCY
STRUCTUREPOINT LLC

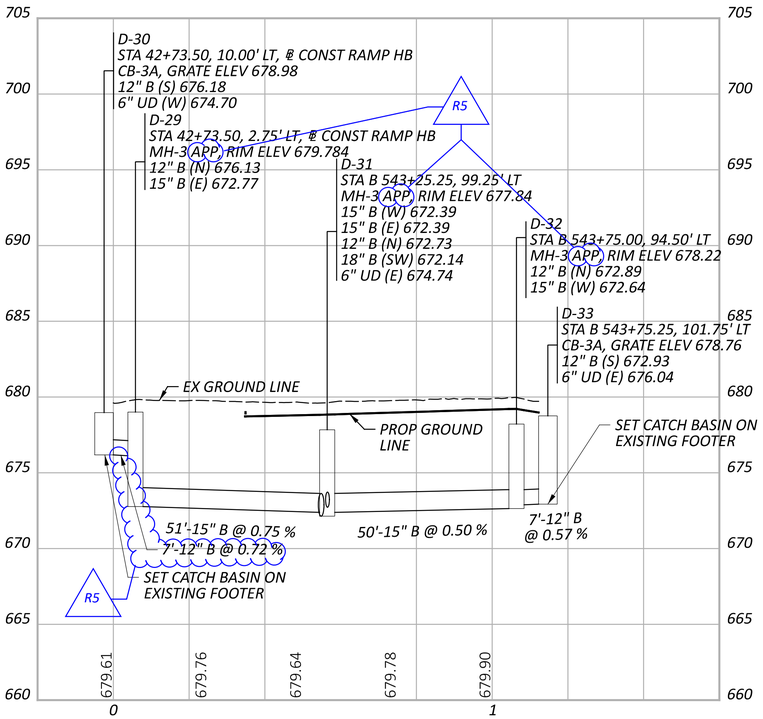
DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1076
TOTAL	P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM







STORM SEWER PROFILES OUTFALL B

CUY-90-6.69

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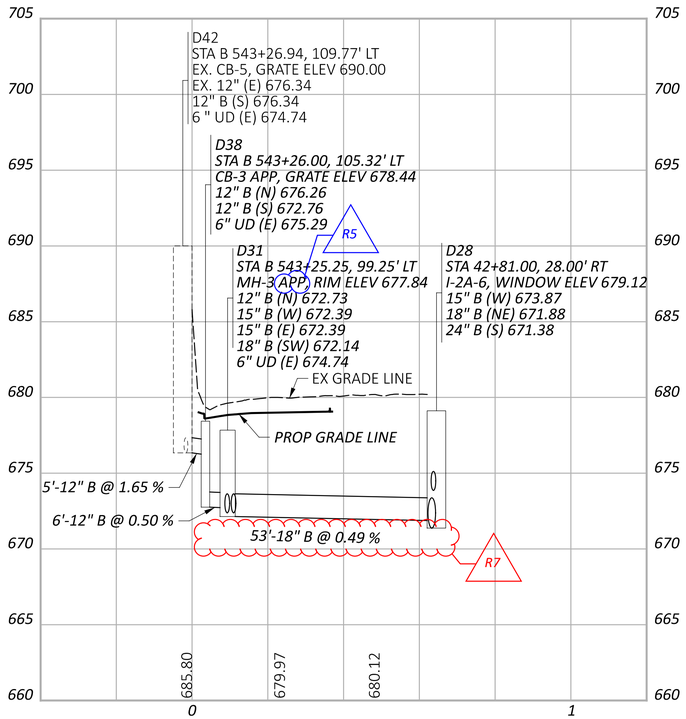
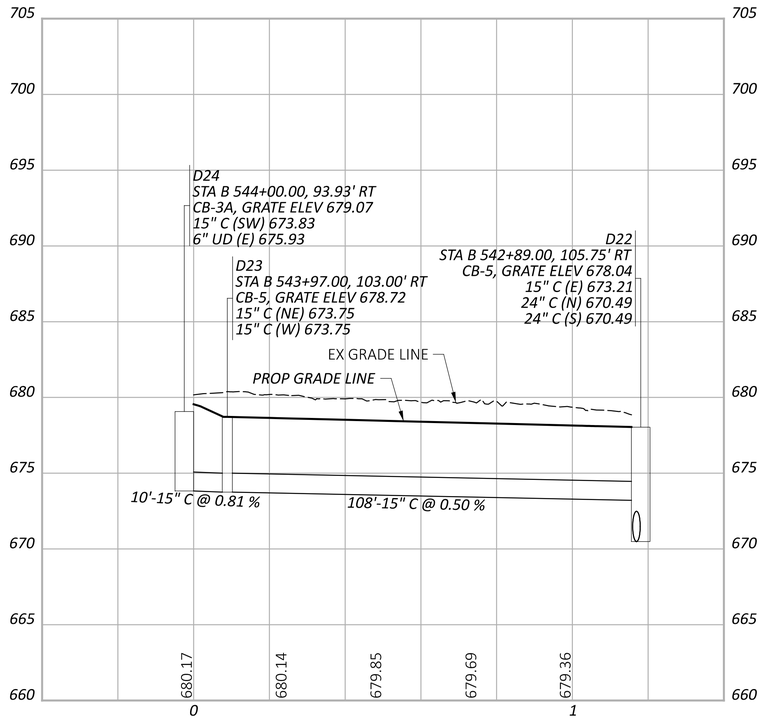
DESIGN AGENCY
STRUCTUREPOINT LLC

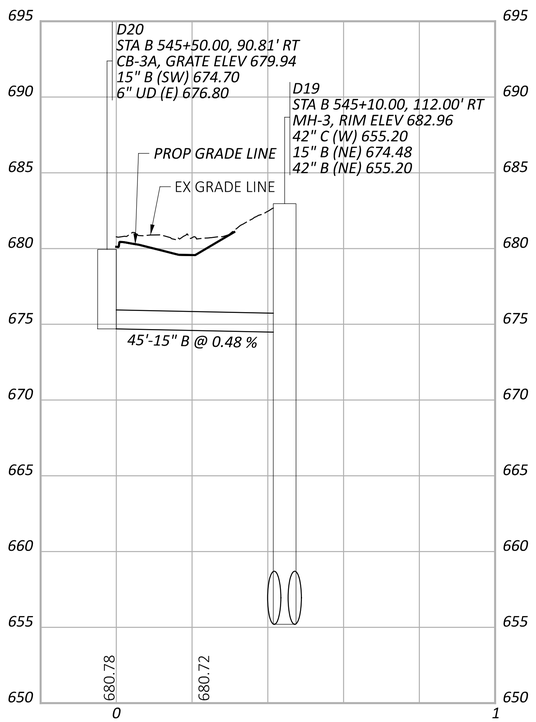
DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1077
TOTAL	P.1587

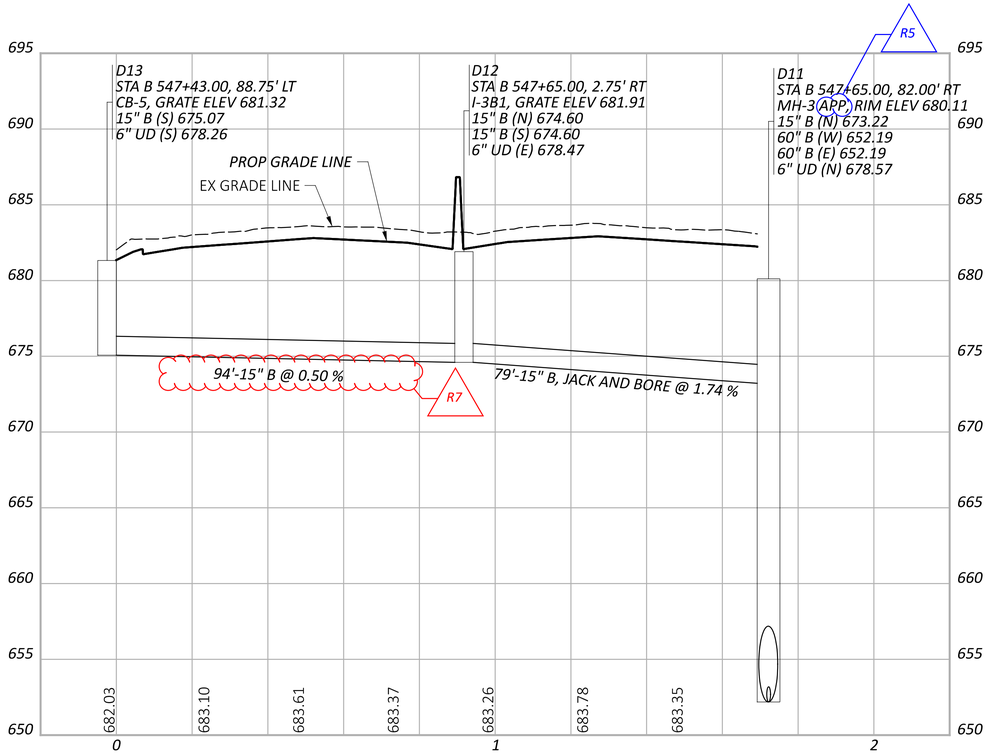
NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM









STORM SEWER PROFILES
OUTFALL B

CUY-90-6.69

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DESIGN AGENCY
STRUCTUREPOINT

DESIGNER
AJO

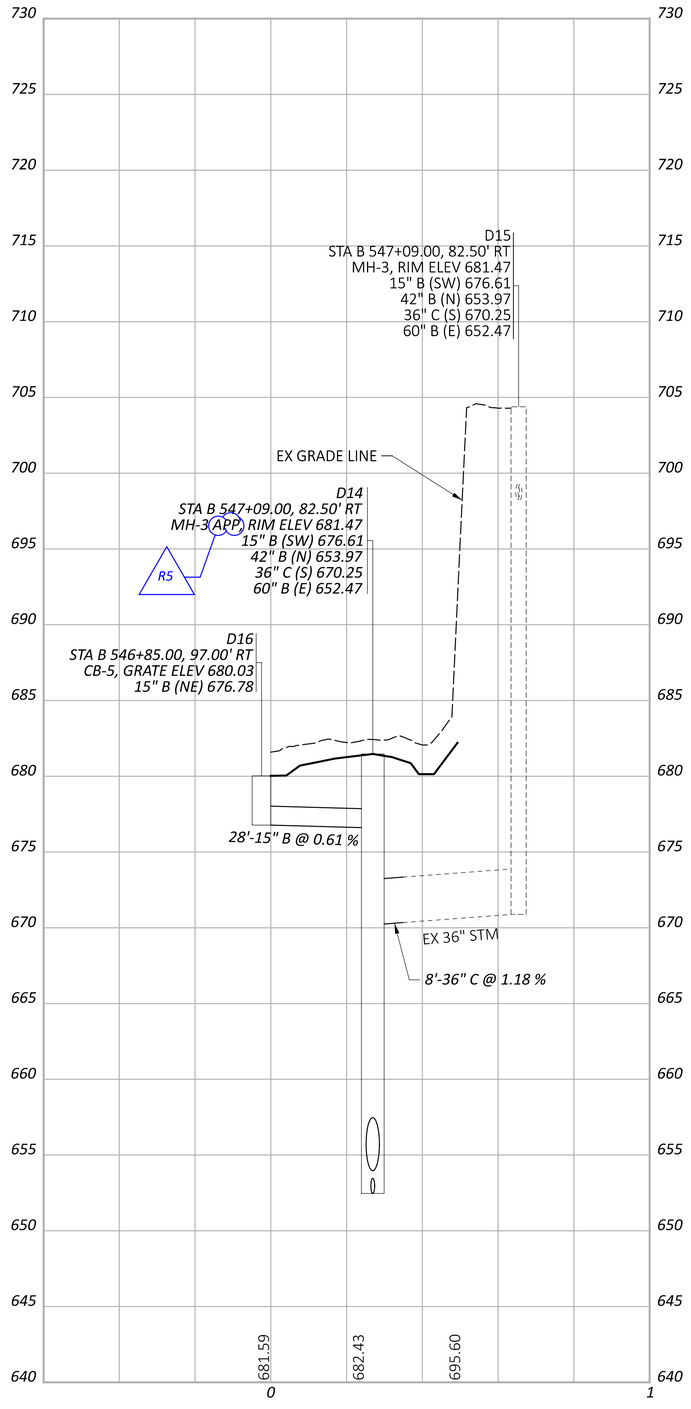
REVIEWER
KEM 08/09/23

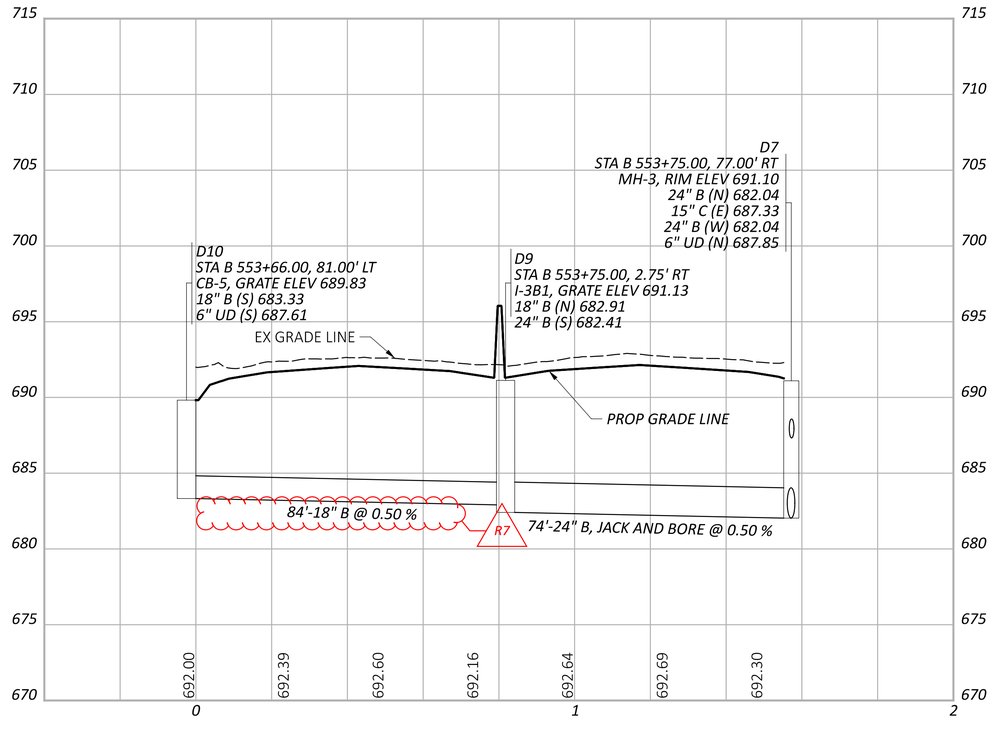
PROJECT ID
76779

SHEET P.1078 | TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM





STORM SEWER PROFILES
OUTFALL B

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

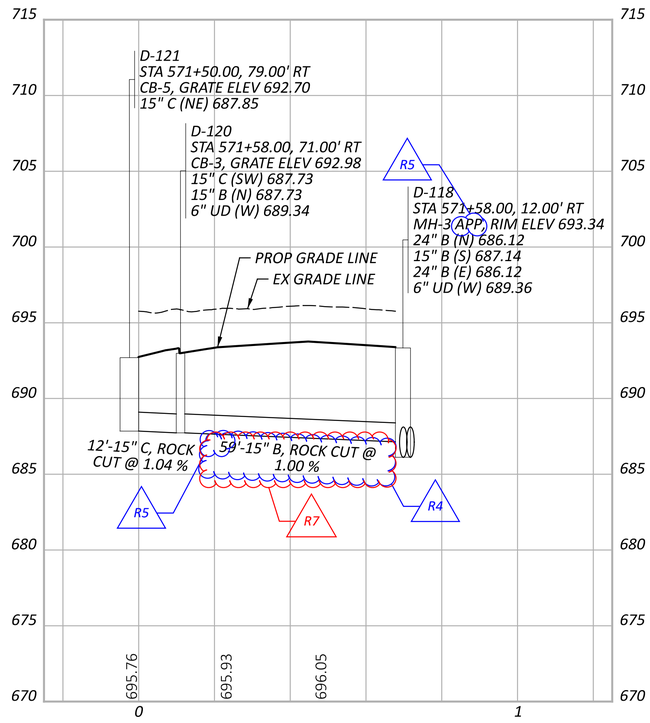
REVIEWER
KEM 08/09/23

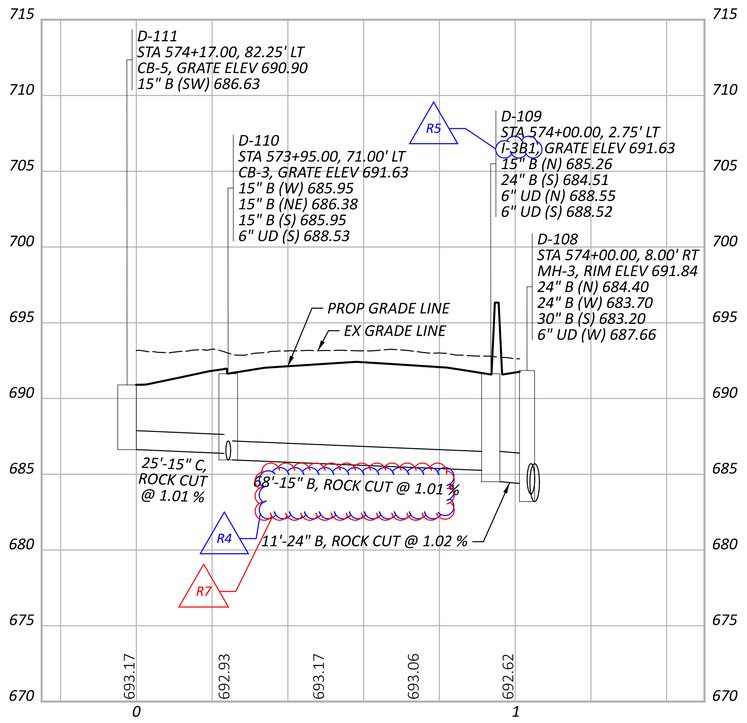
PROJECT ID
76779

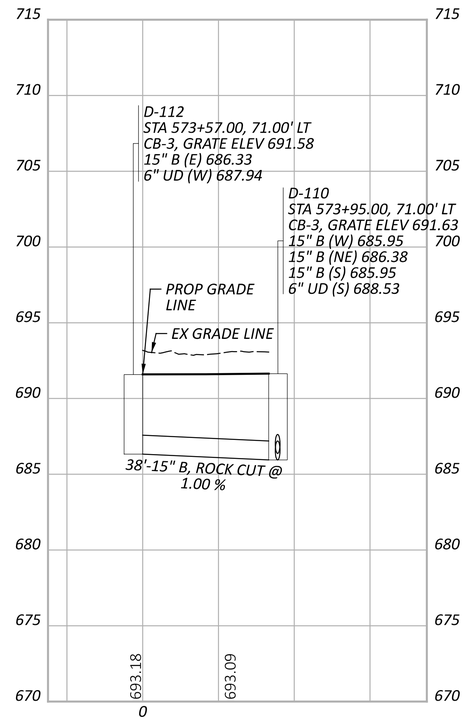
SHEET P.1079 TOTAL P.1587

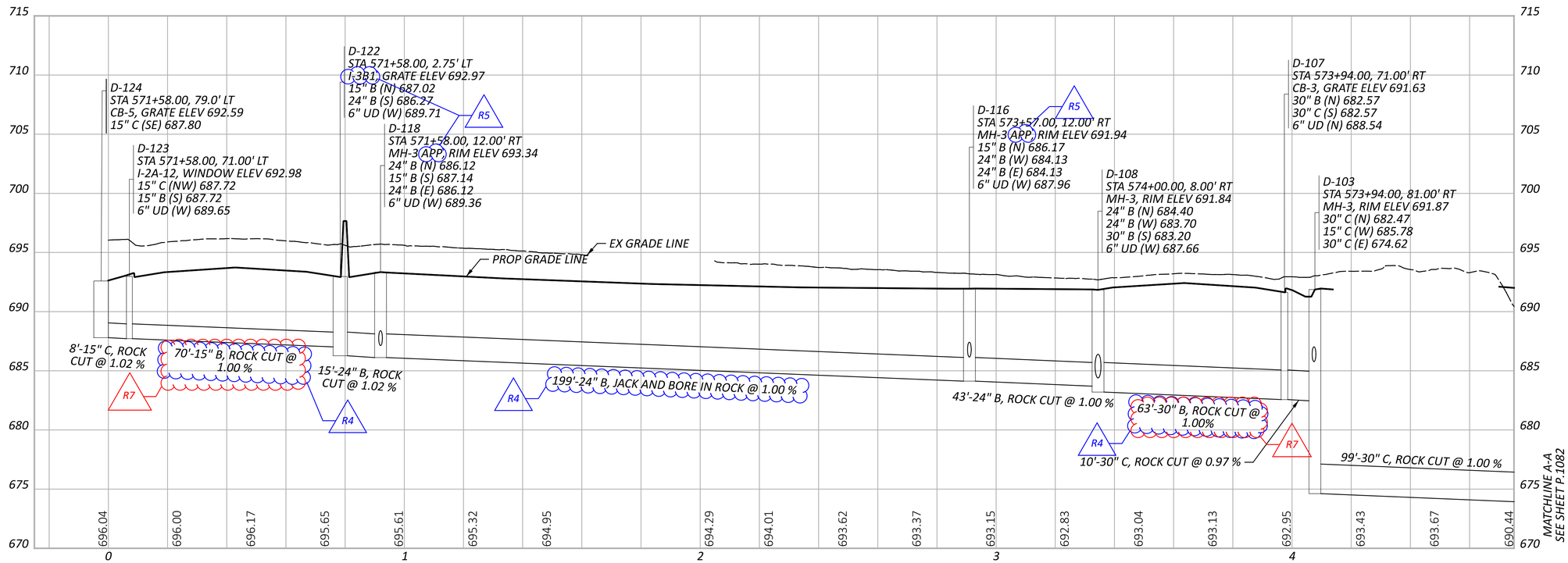
NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM









STORM SEWER PROFILES
OUTFALL C

CUY-90-6.69

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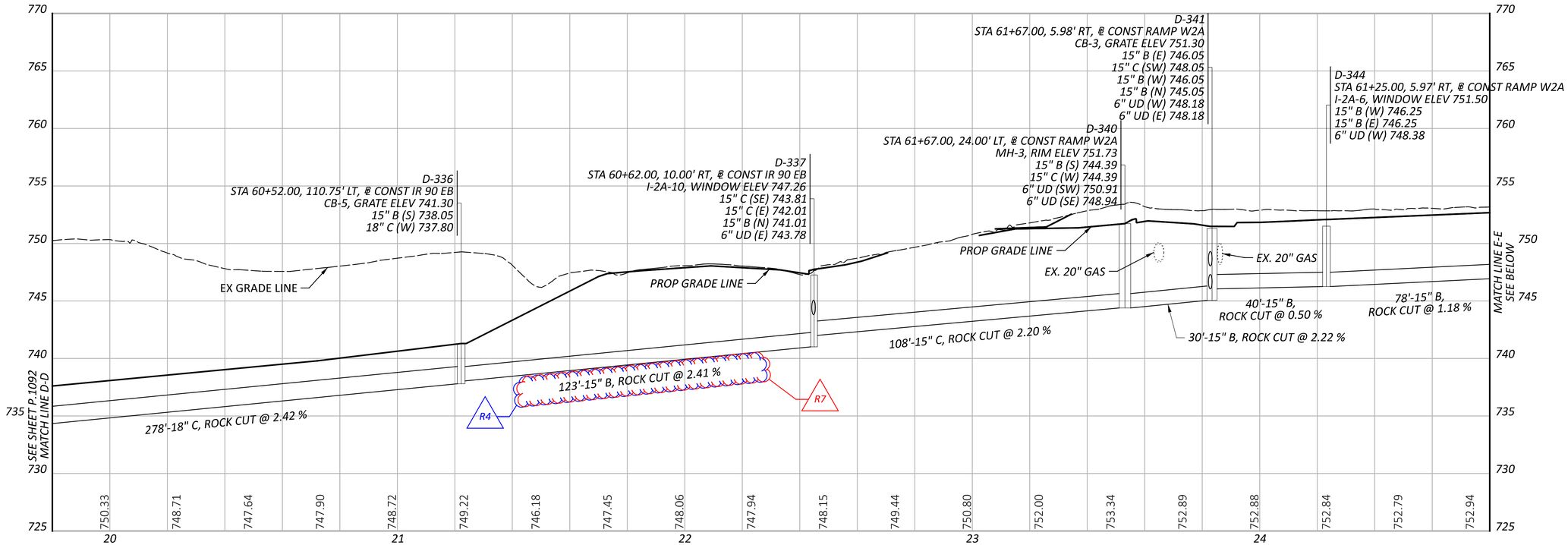
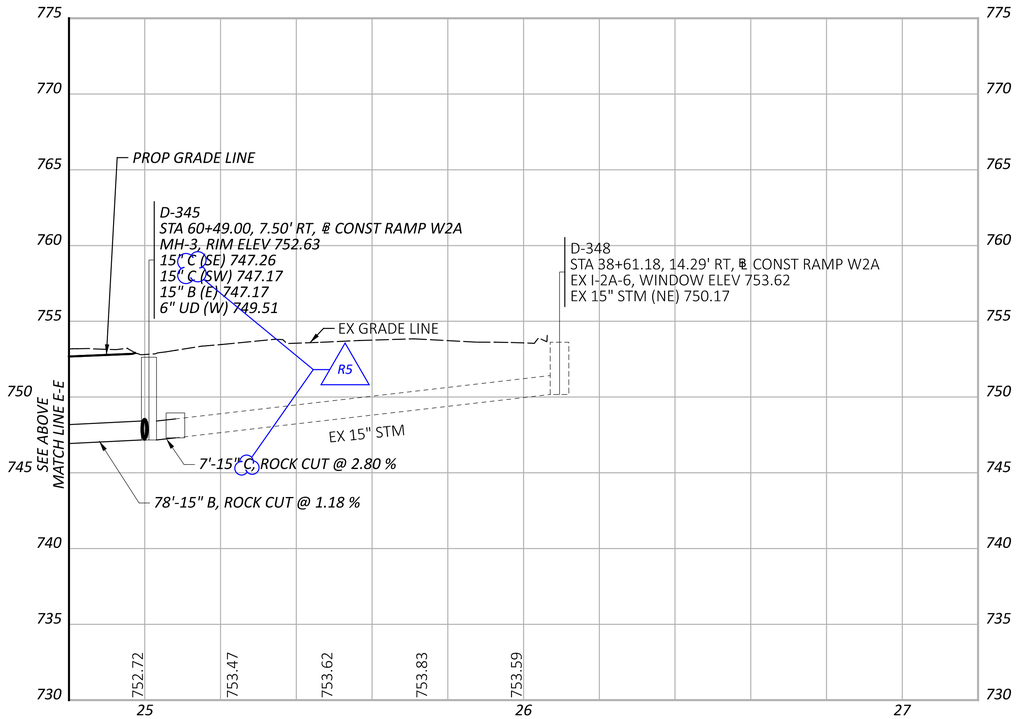
DESIGN AGENCY
STRUCTUREPOINT LLC
DESIGNER
AJO
REVIEWER
KEM 08/09/23
PROJECT ID
76779
SHEET P.1081 TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM





STORM SEWER PROFILES OUTFALL D

CUY-90-6.69

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DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: AJO

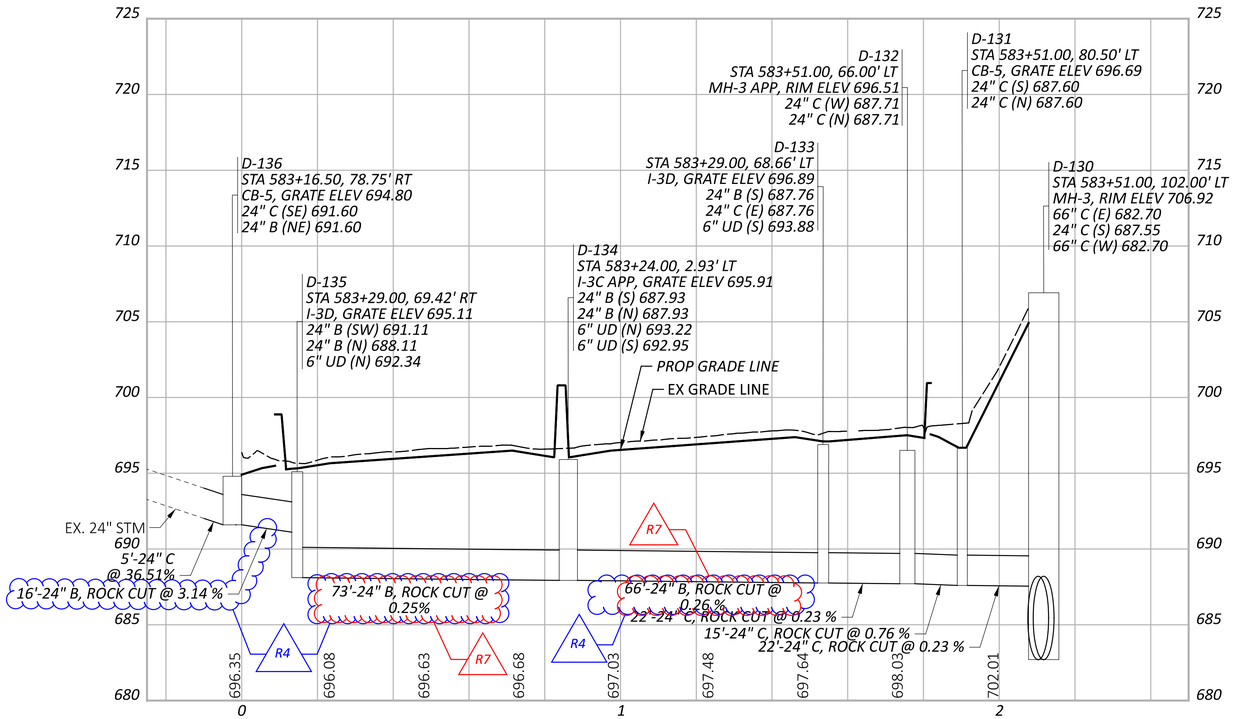
REVIEWER: KEM 08/09/23

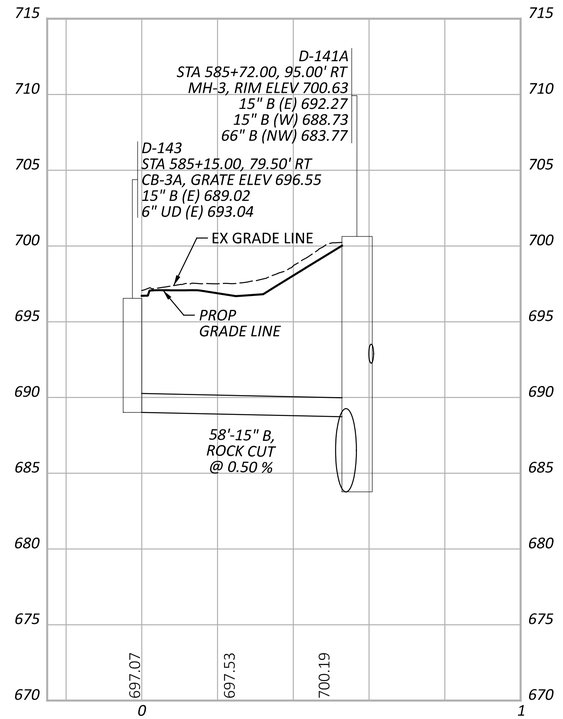
PROJECT ID: 76779

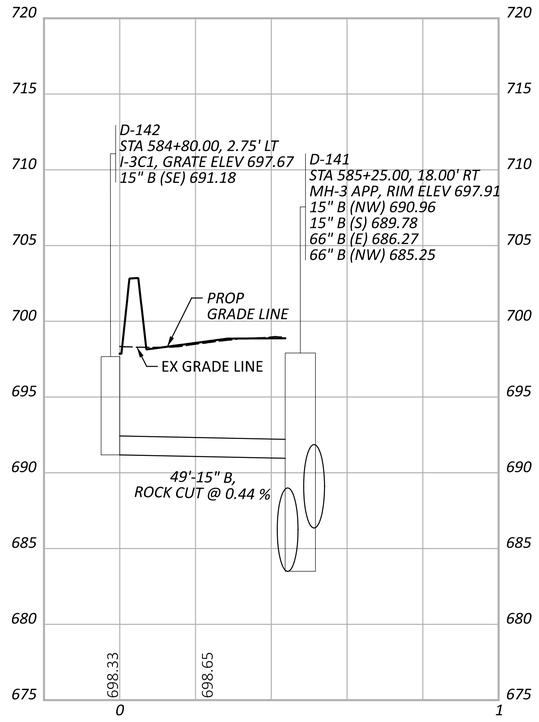
SHEET: P.1093 TOTAL: P.1587

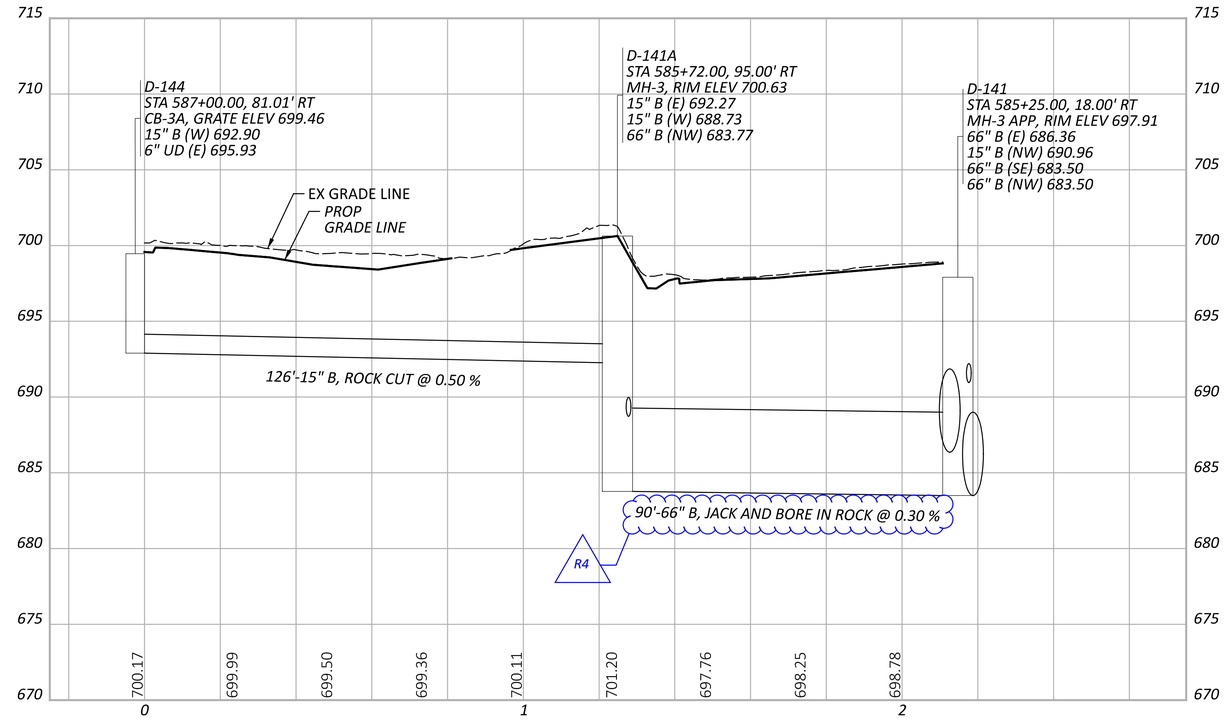
NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM









STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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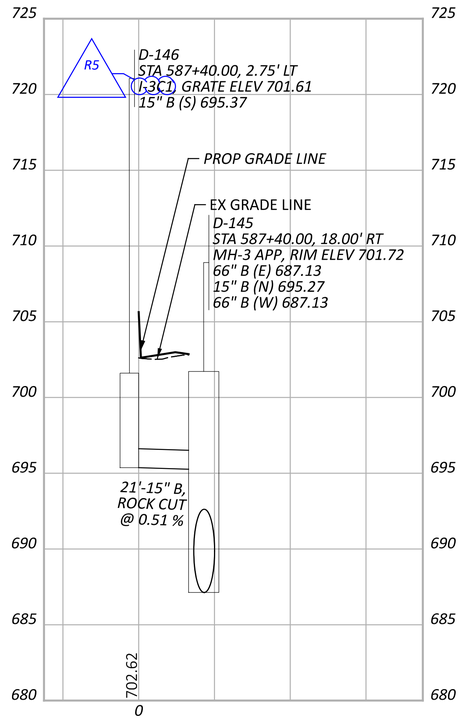
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DF058.dgn

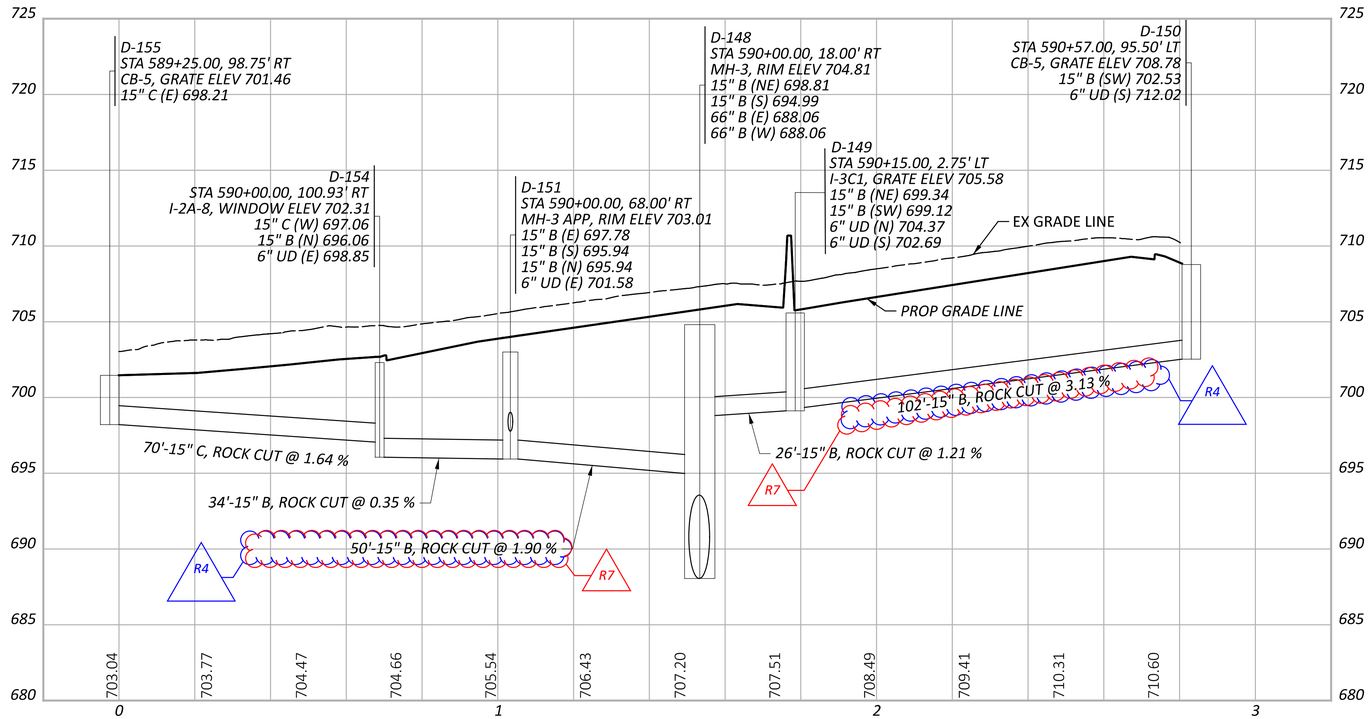
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

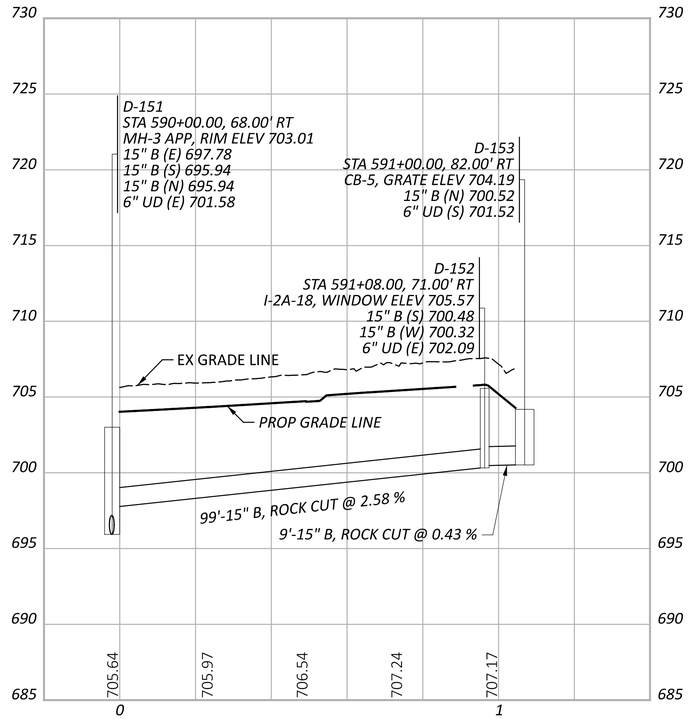
DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1094
TOTAL	P.1587

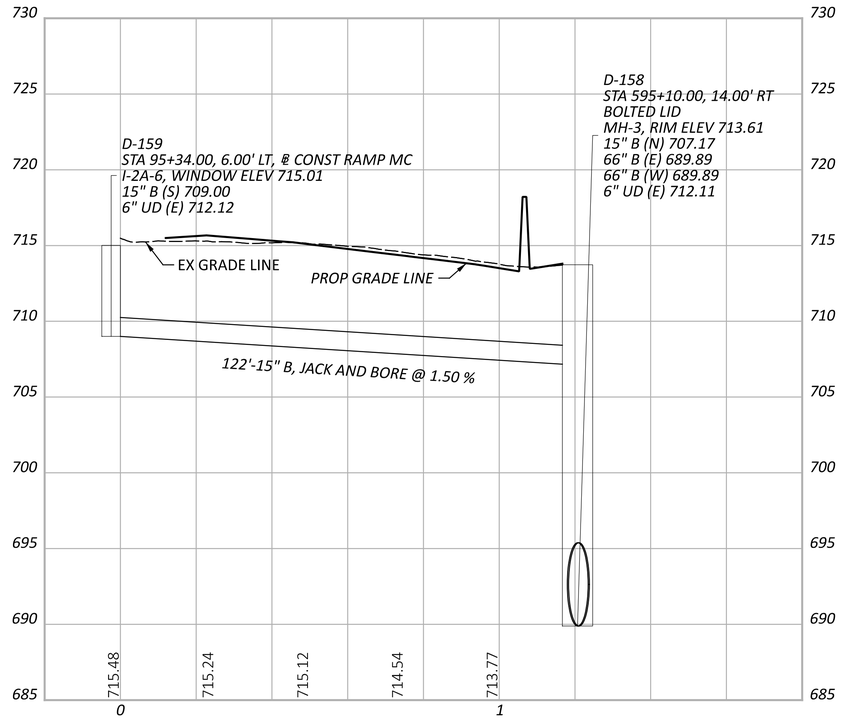
NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM









STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

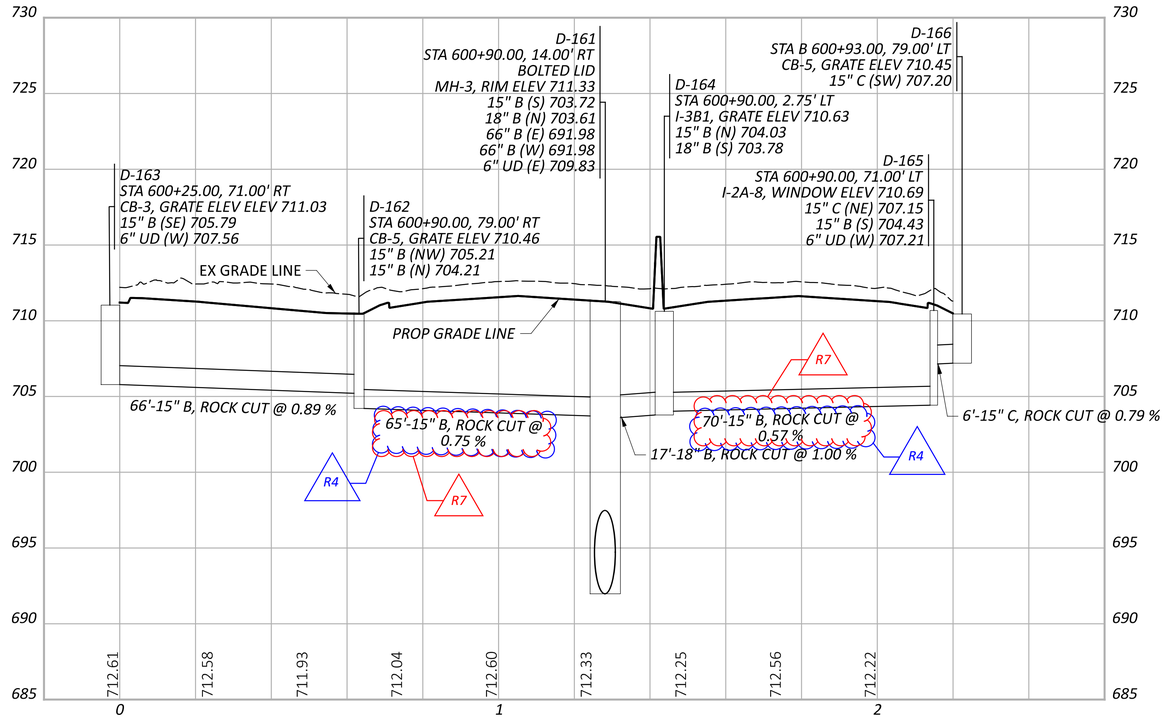
REVIEWER
KEM 08/09/23

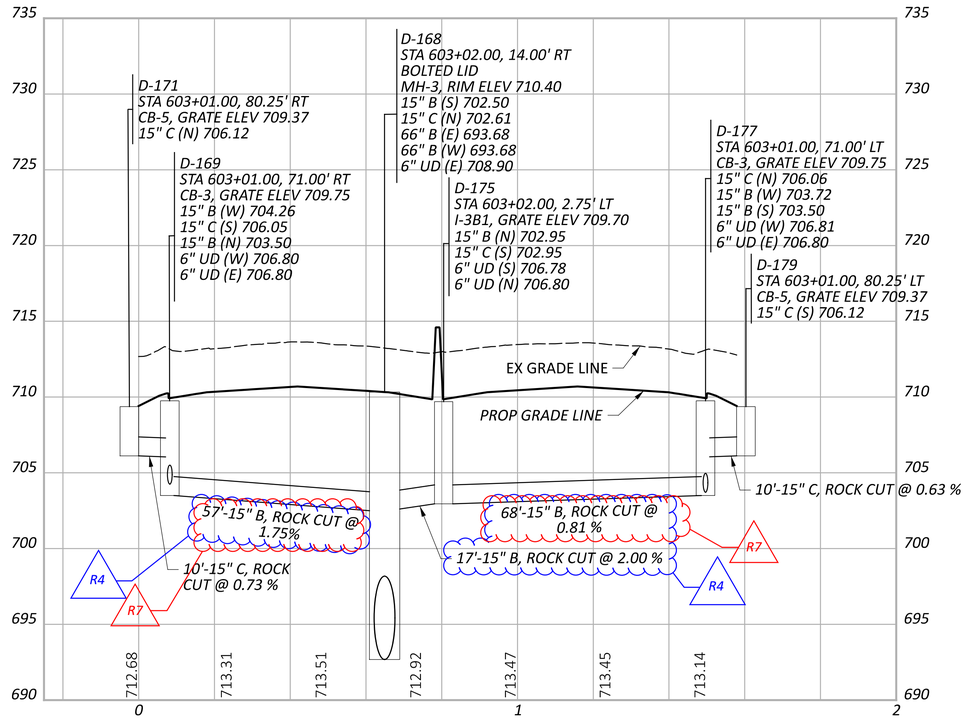
PROJECT ID
76779

SHEET P.1095 TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM





STORM SEWER PROFILES
OUTFALL D

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1096 TOTAL P.1587

CUY-90-6.69

MODEL: PR_D_007 - Profile (1Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 10:52 PM USER: goldaker
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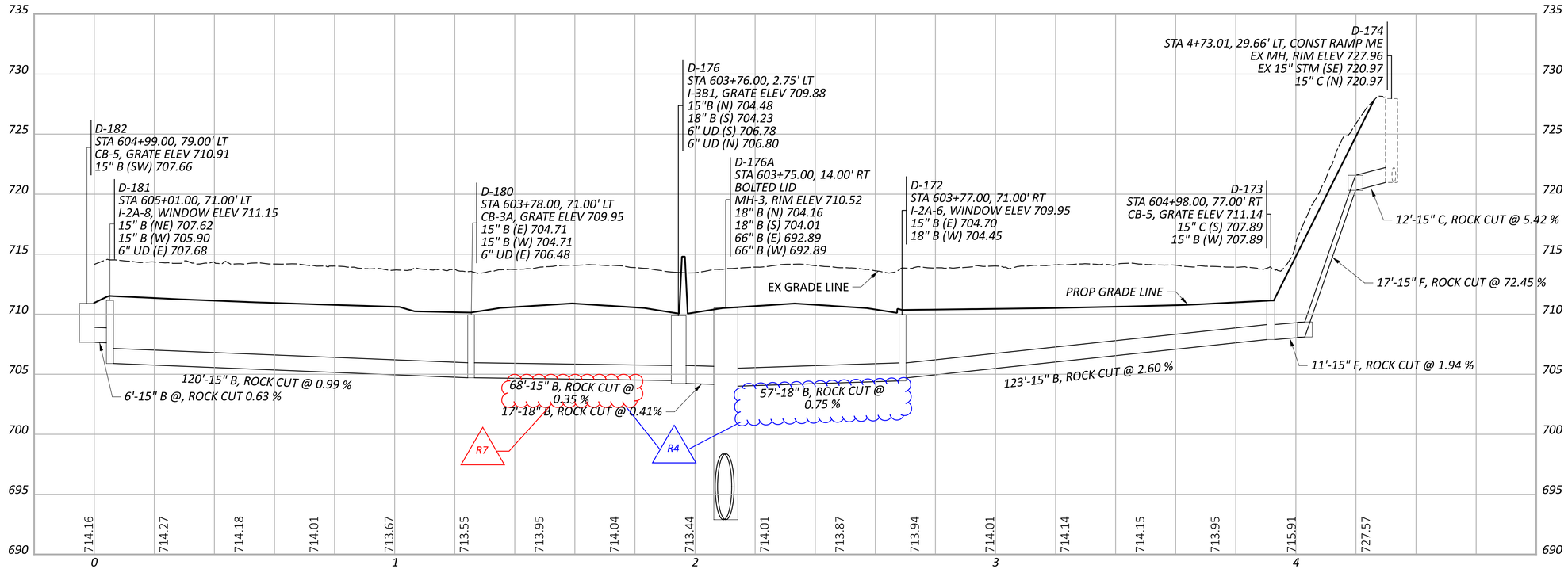
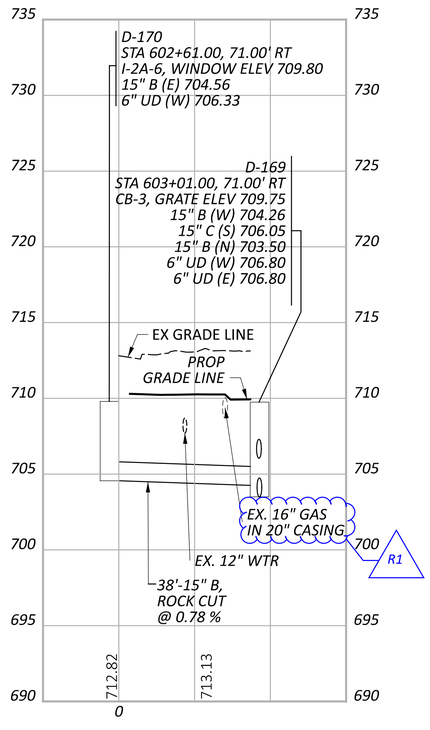
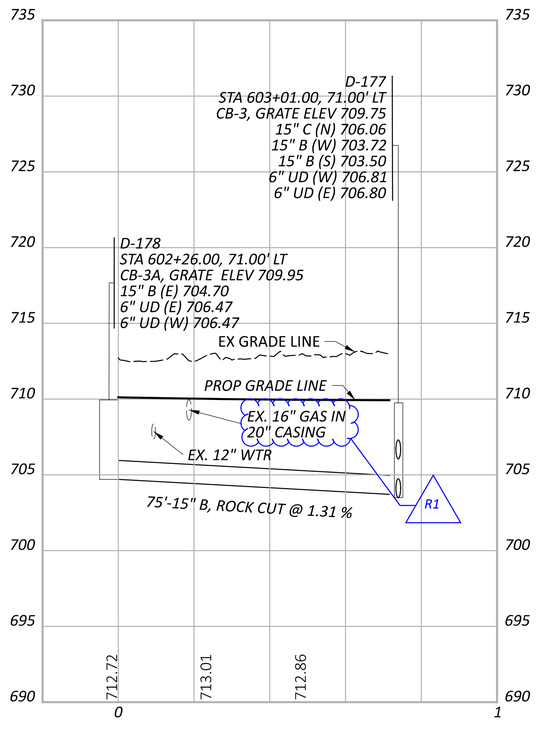
NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM







STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

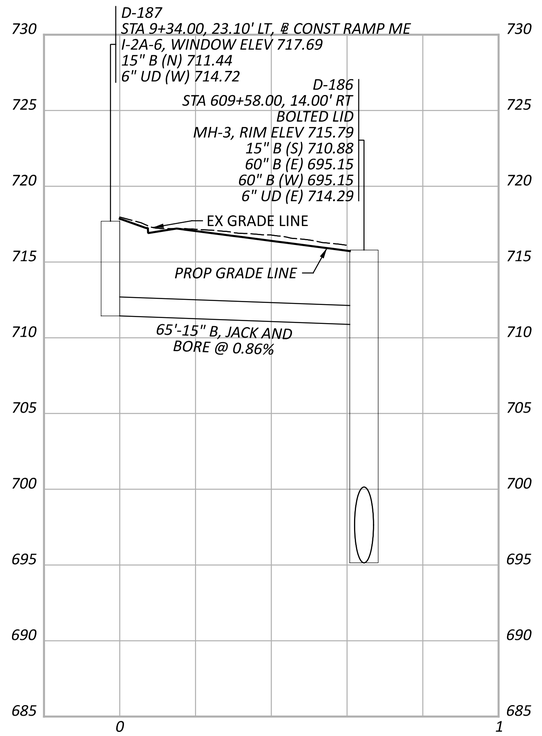
REVIEWER
KEM 08/09/23

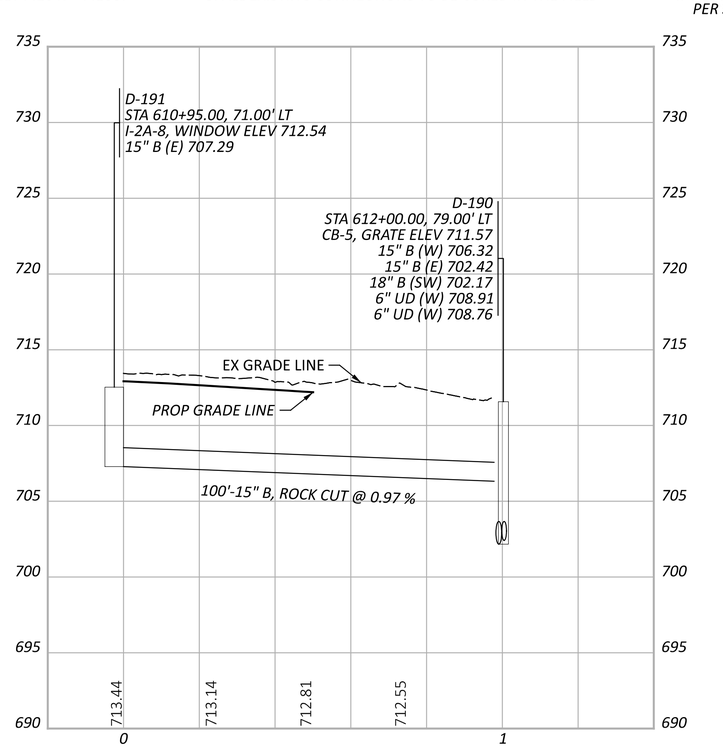
PROJECT ID
76779

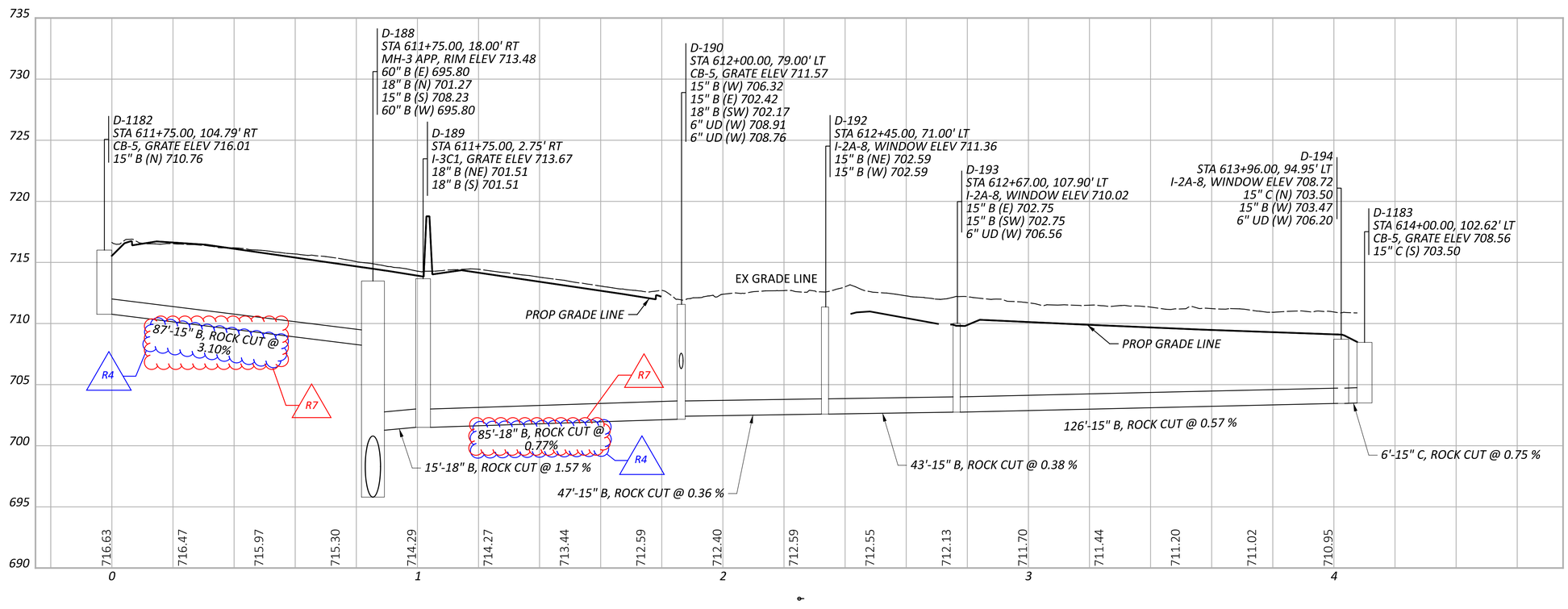
SHEET P.1097 | TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM







STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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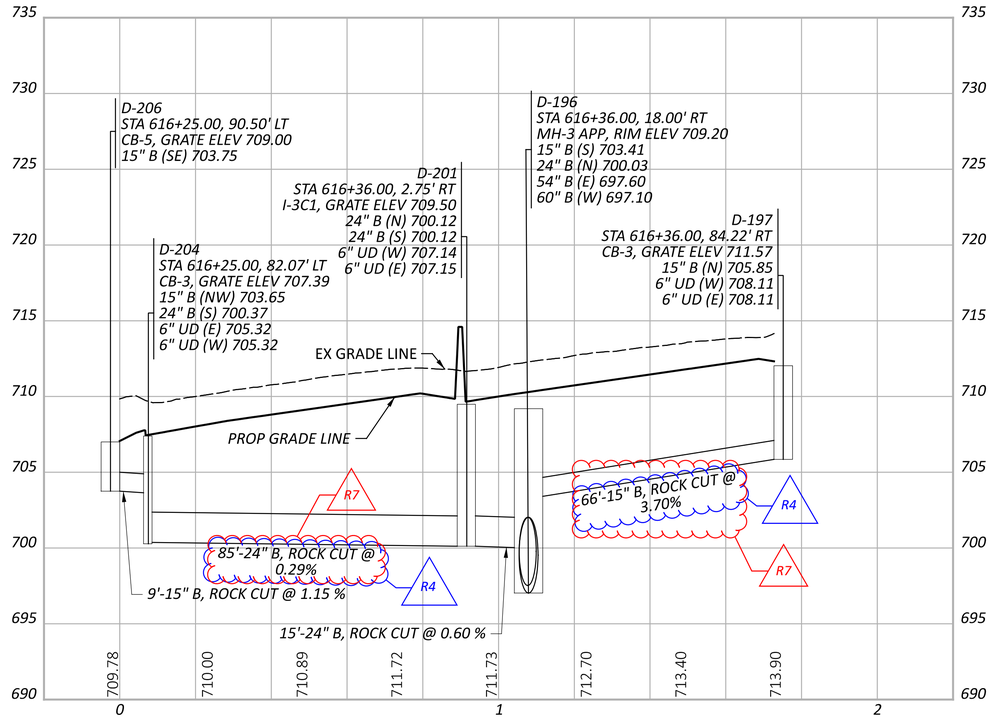
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

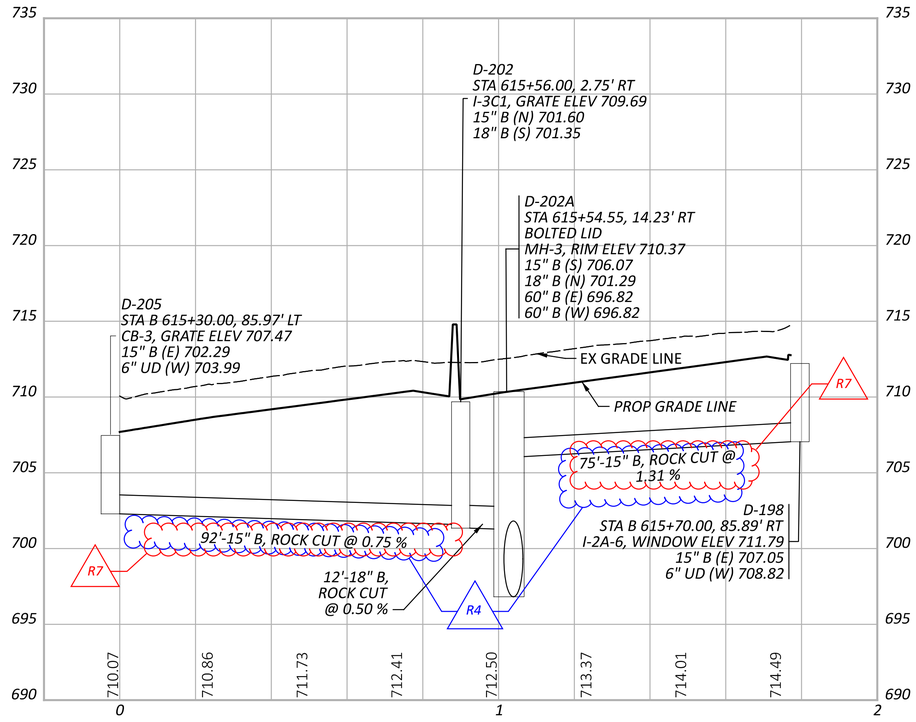
DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1098 TOTAL P.1587





CUY-90-6.69

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STORM SEWER PROFILES
OUTFALL D

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1099 TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
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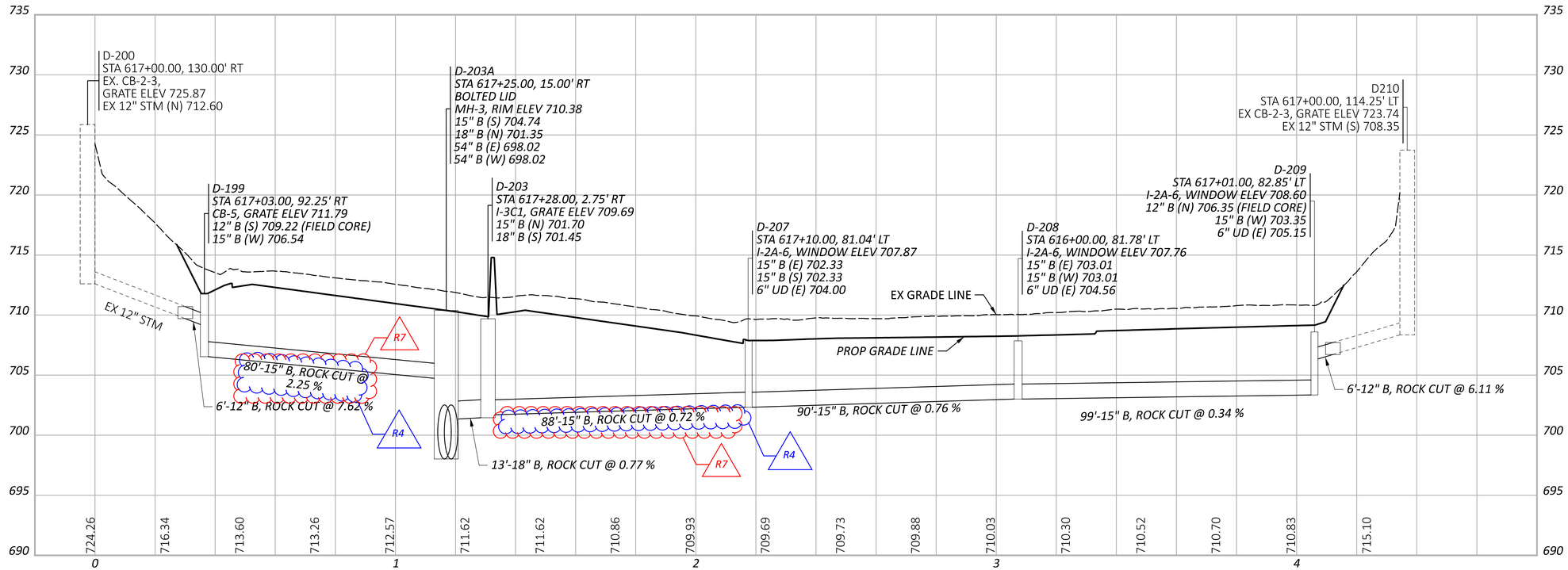

STORM SEWER PROFILES OUTFALL D

CUY-90-6.69

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1100
TOTAL	P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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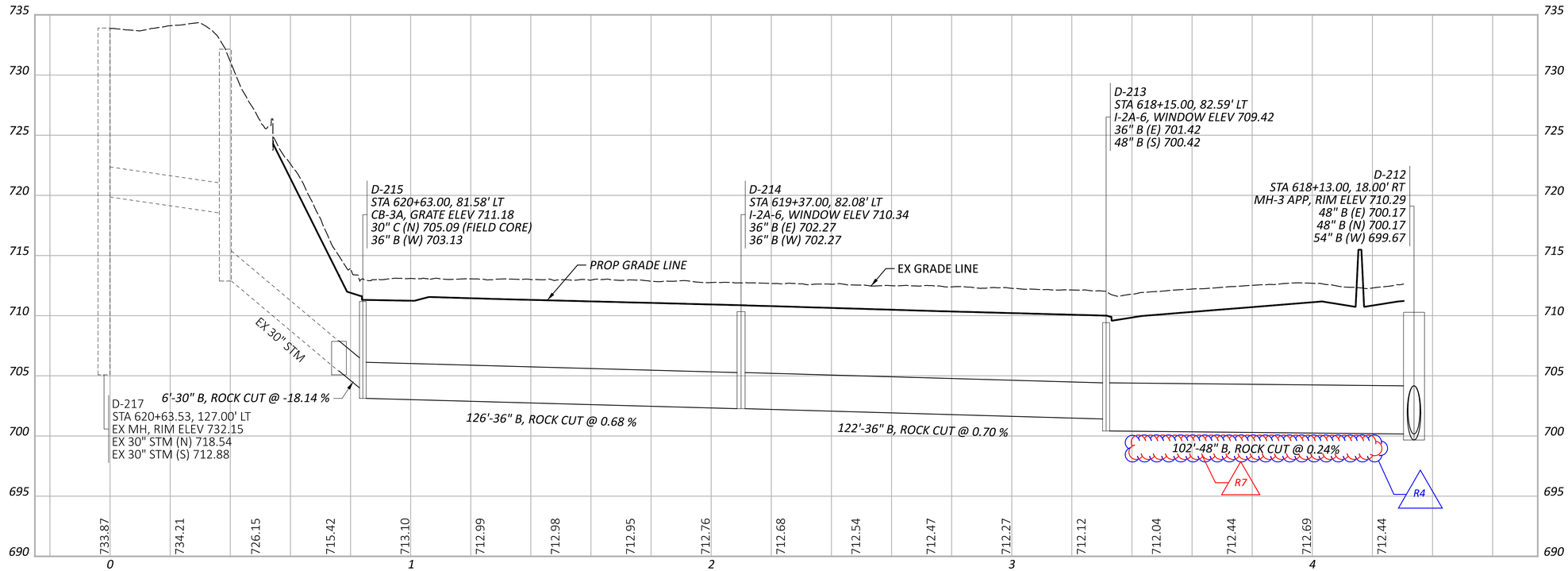

STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1101 TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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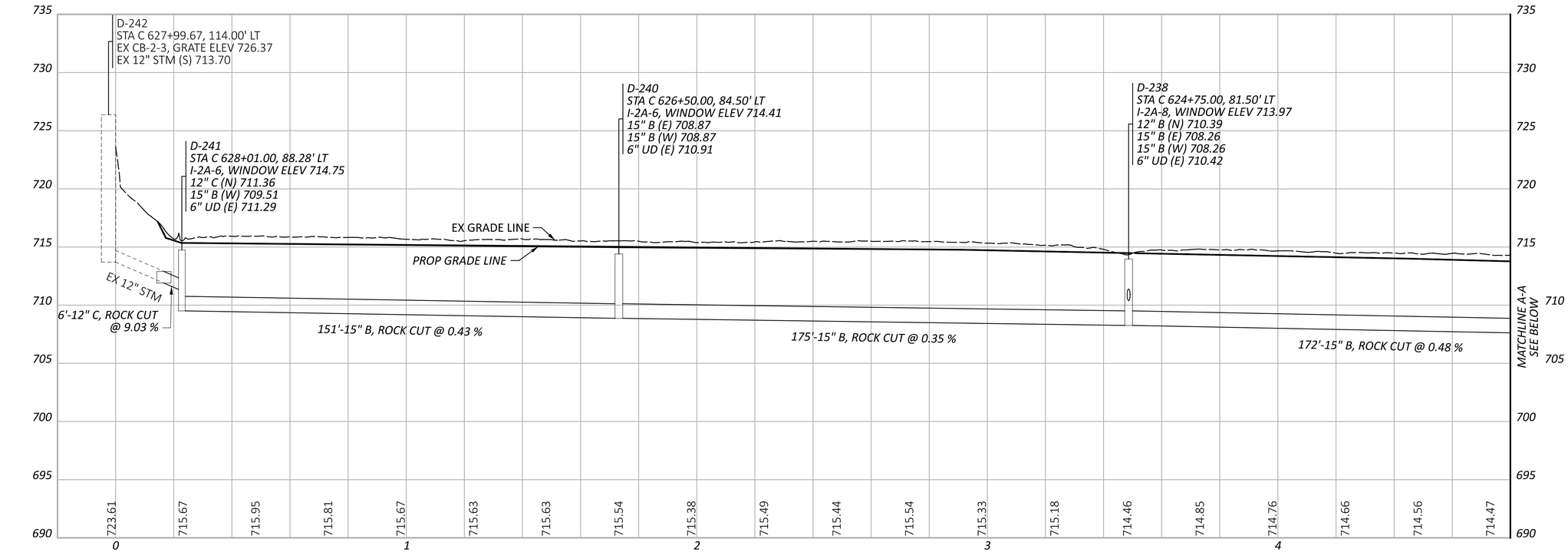

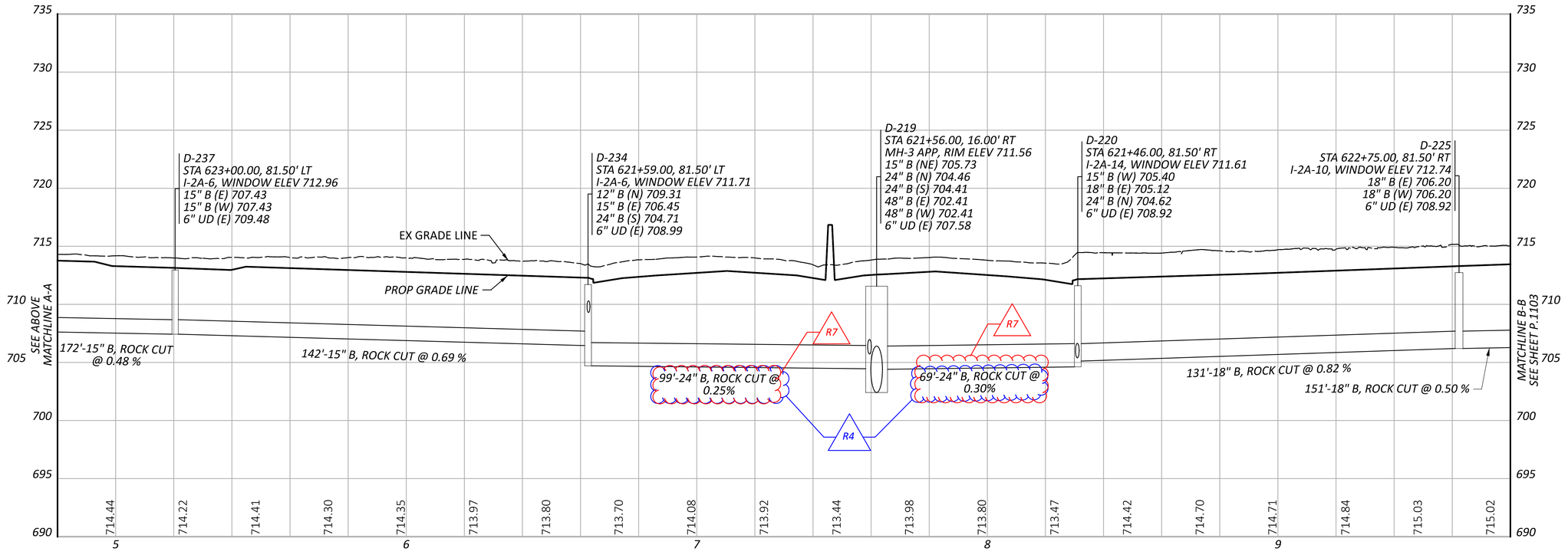

STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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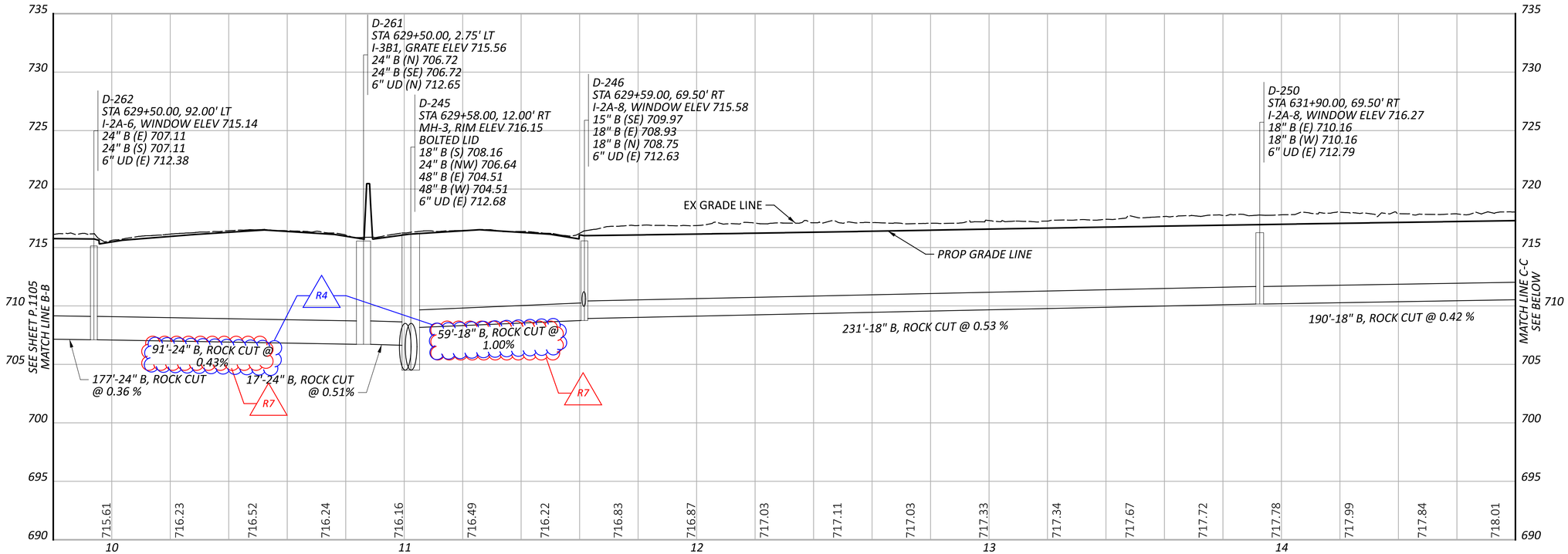
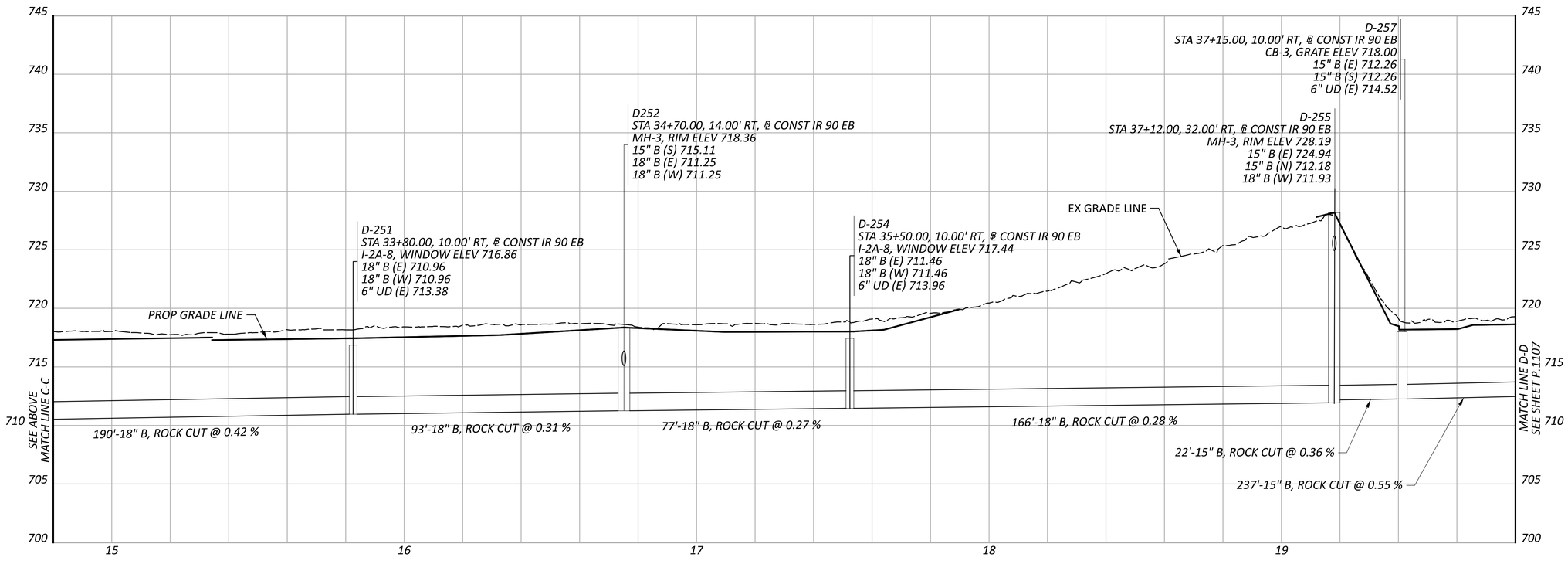
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1102
TOTAL	P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM





STORM SEWER PROFILES OUTFALL D

CUY-90-6.69

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DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER	
AJO	
REVIEWER	
KEM	08/09/23
PROJECT ID	
76779	
SHEET	TOTAL
P.1106	P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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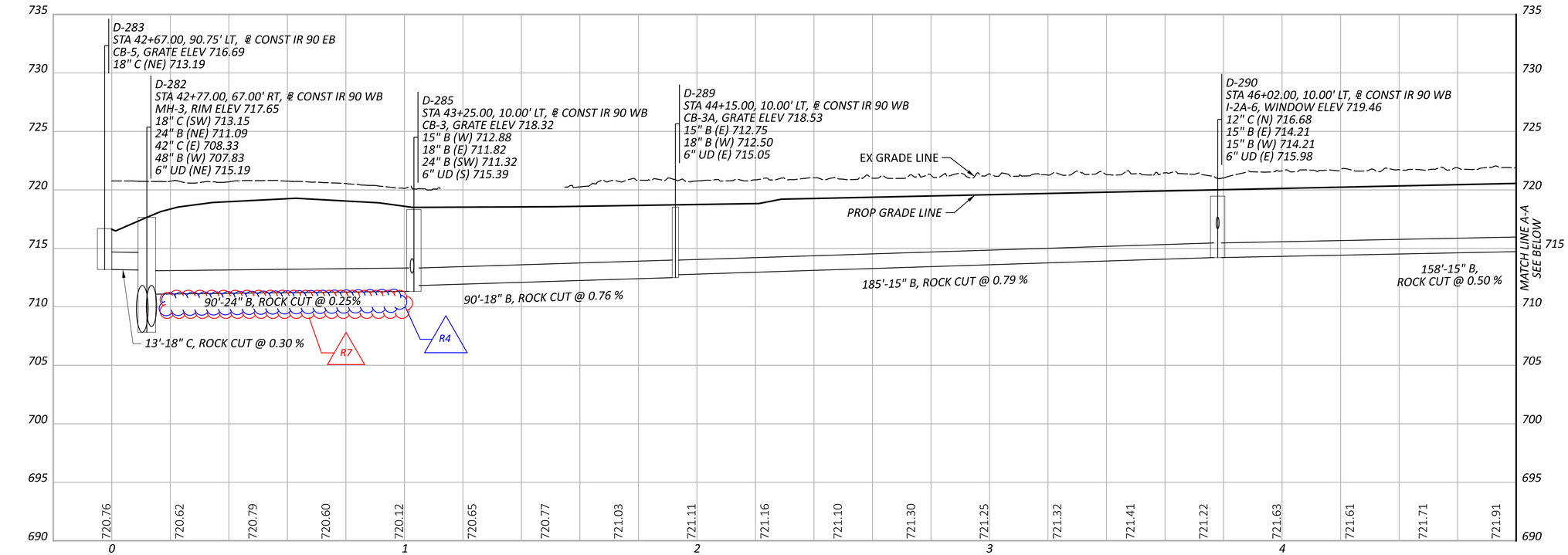

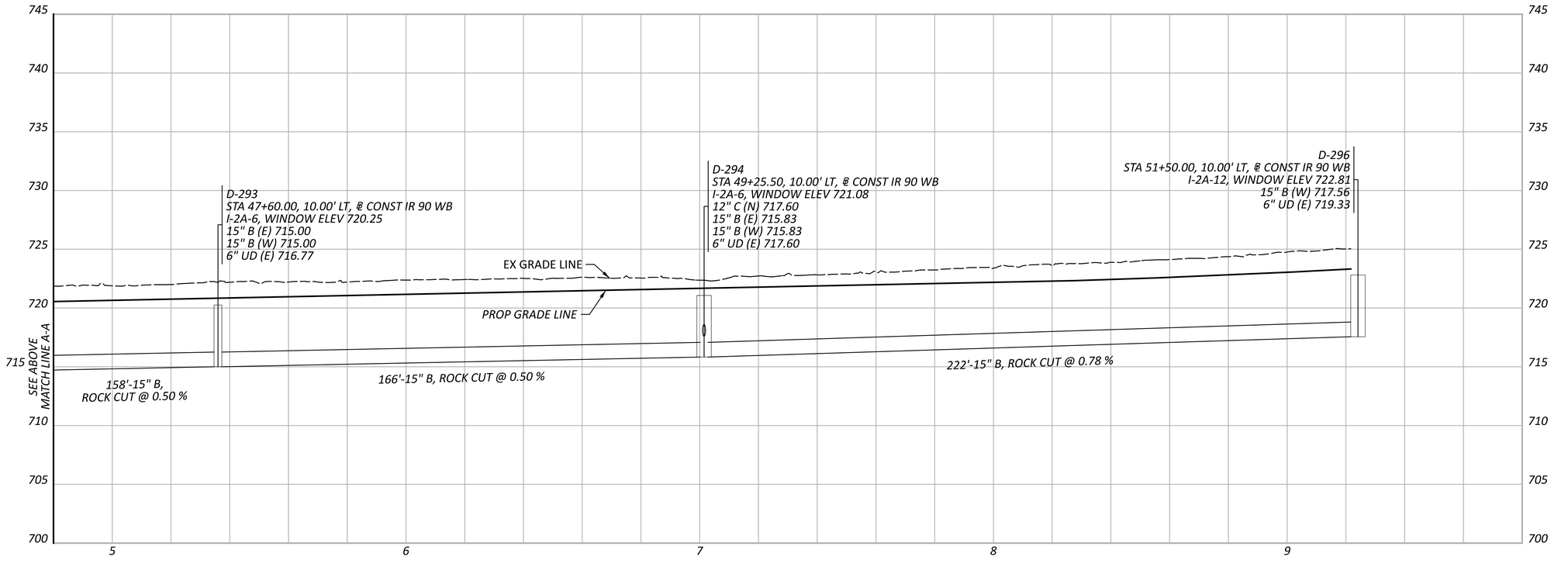

STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1109
TOTAL	P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
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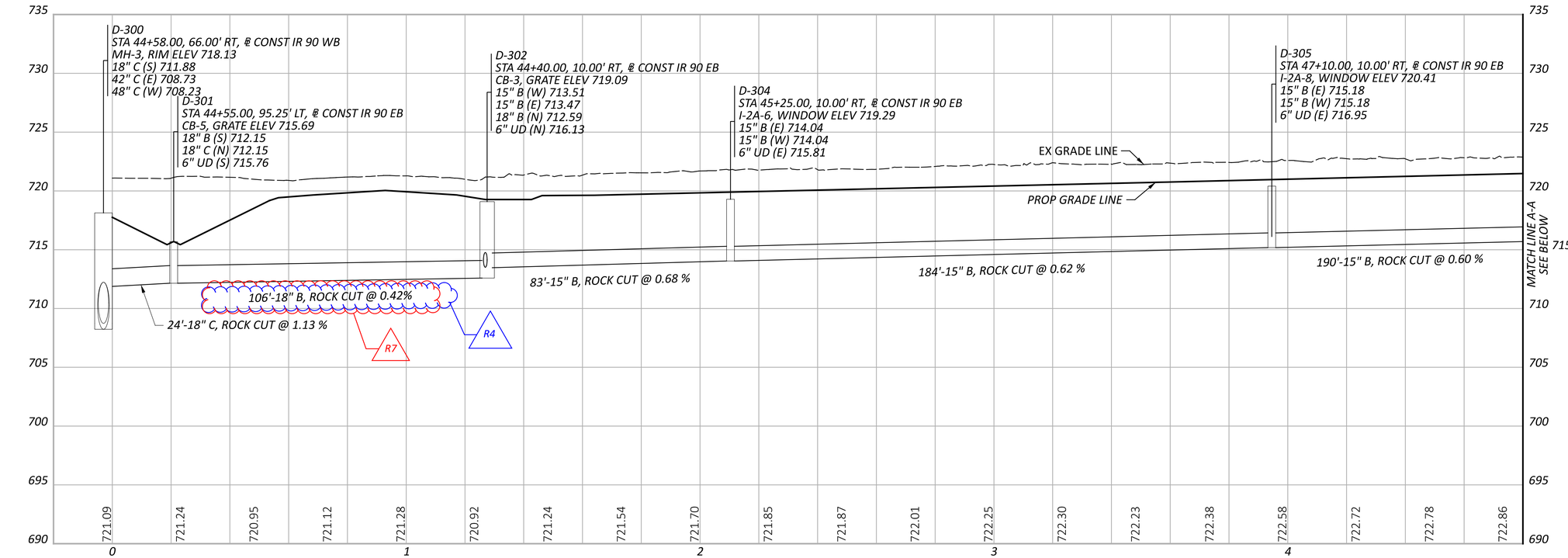

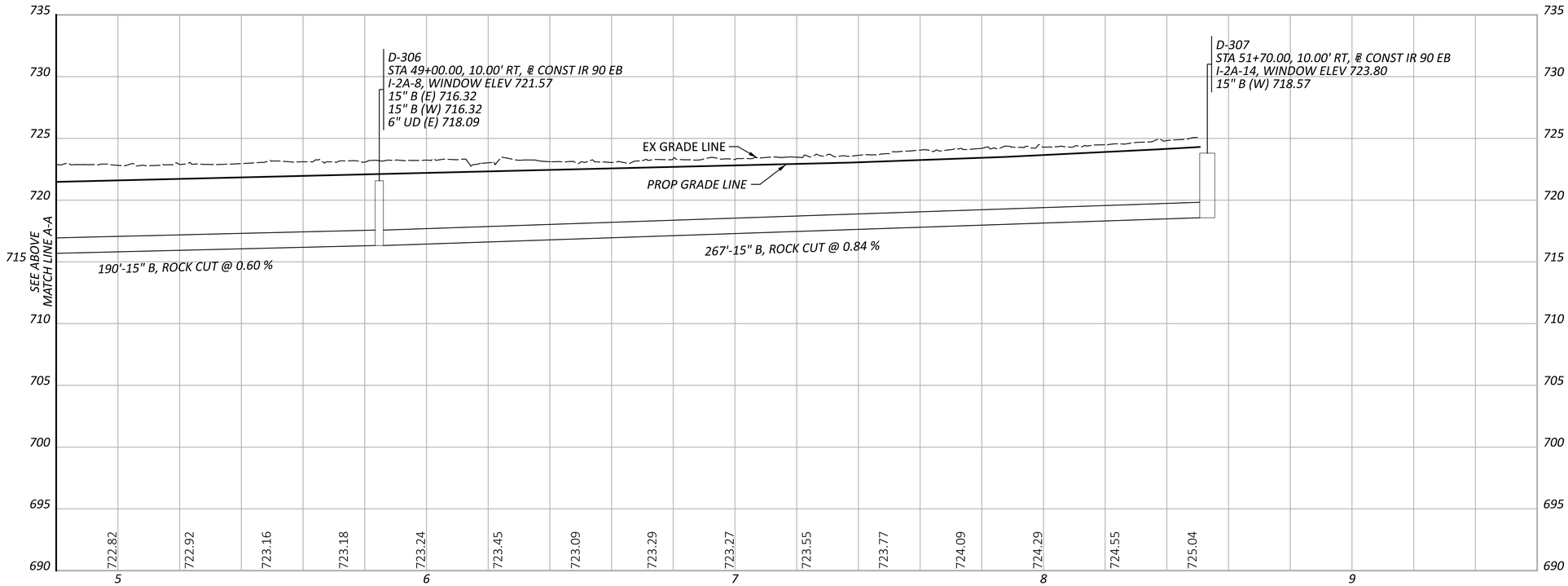

STORM SEWER PROFILES
OUTFALL D

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1111 | TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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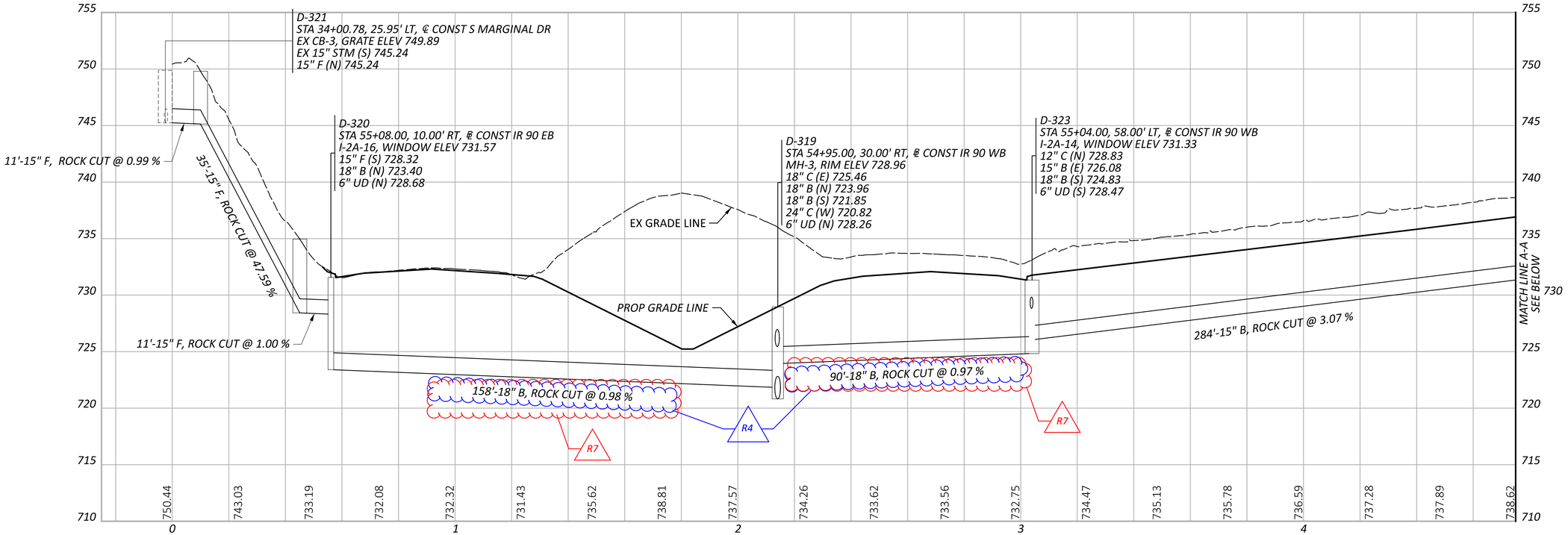

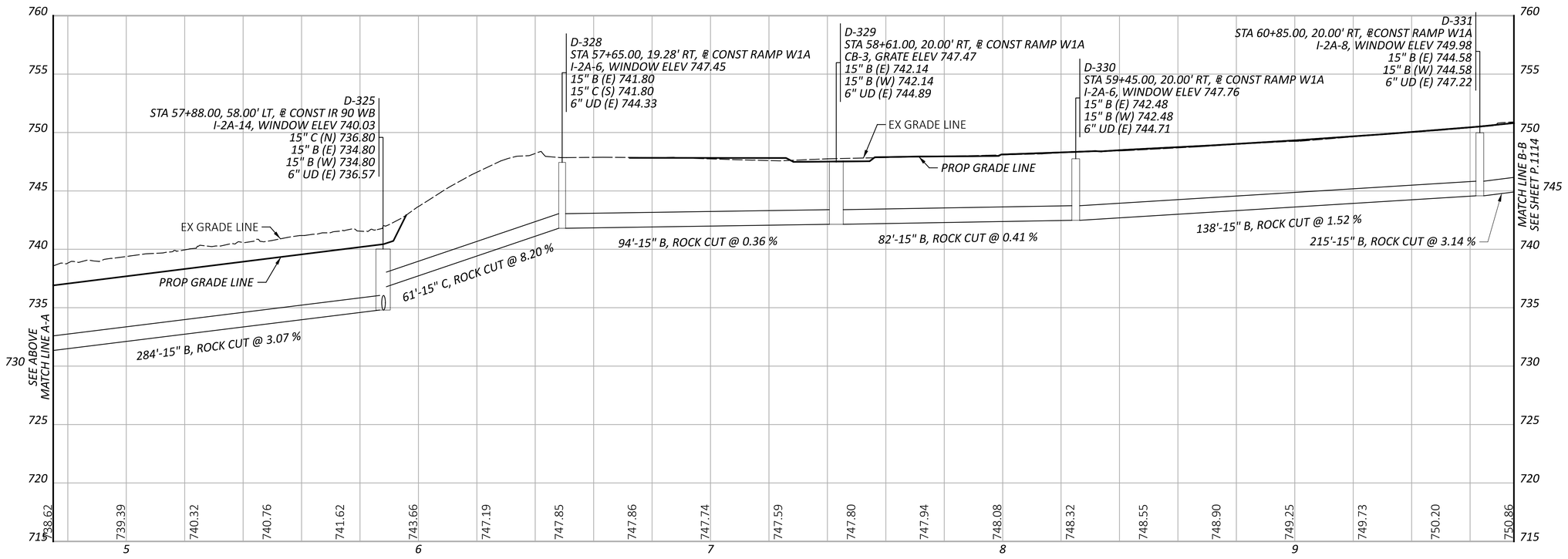

CUY-90-6.69

STORM SEWER PROFILES
OUTFALL D

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1113 TOTAL P.1587

MODEL: PR_D_038 - Profile (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/1/2025 TIME: 11:51:07 PM USER: aoldaker
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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
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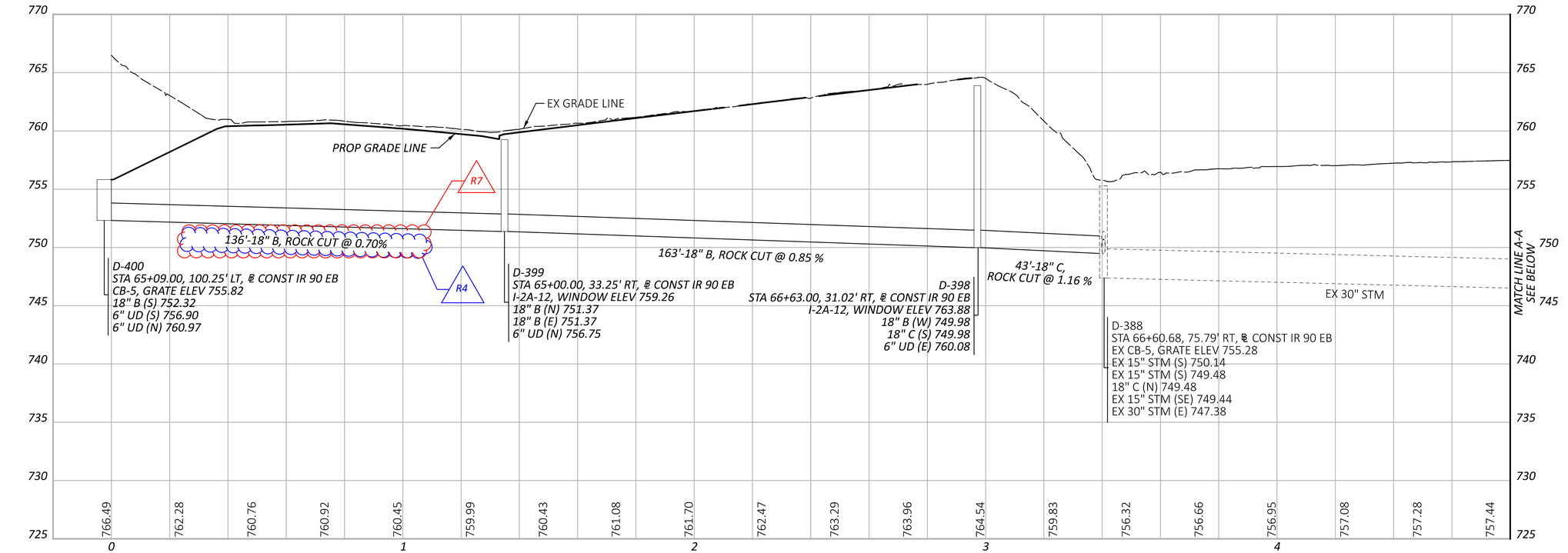

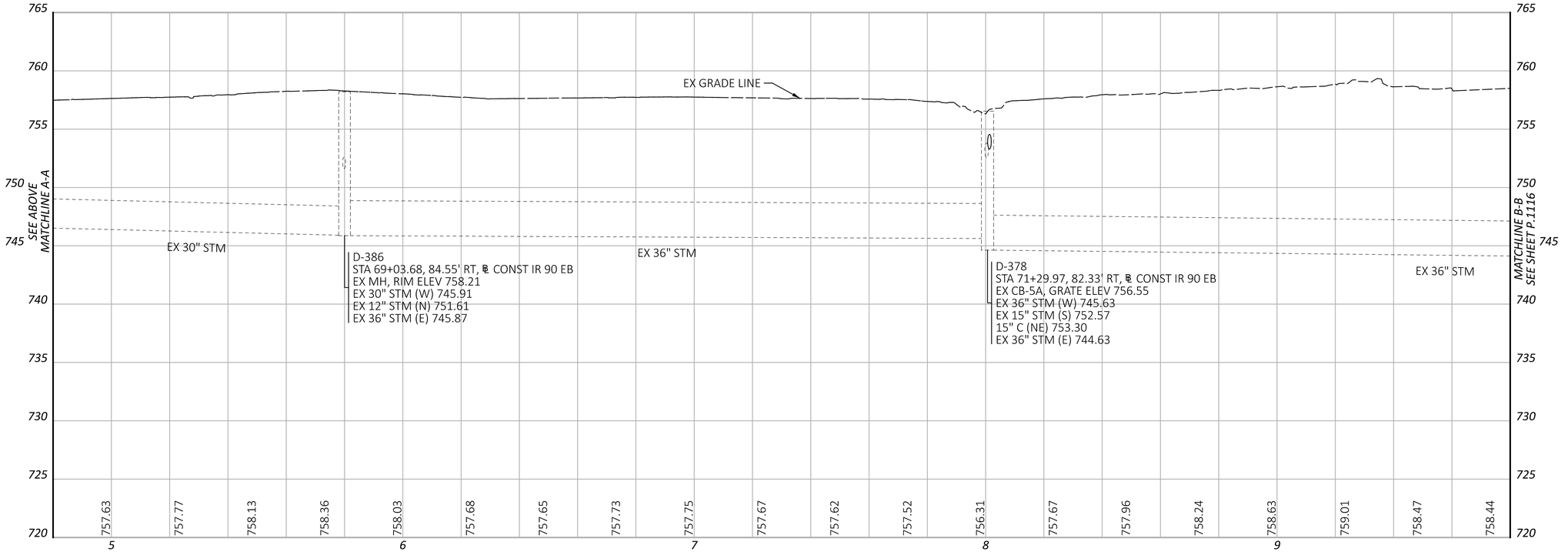

STORM SEWER PROFILES
OUTFALL E

CUY-90-6.69

MODEL: PR_E.000 - Profile (ISheet) PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 11:57 PM USER: goldaker
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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
AJO

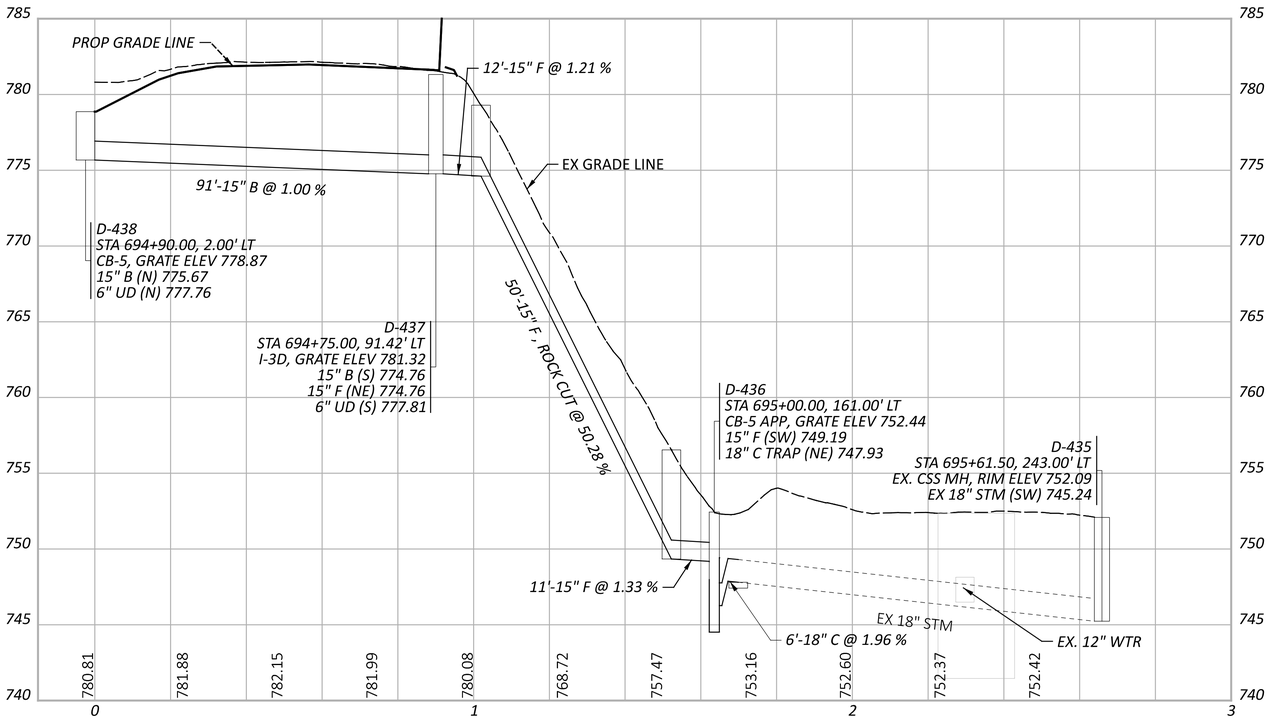
REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1115 | TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM



STORM SEWER PROFILES
OUTFALL F

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

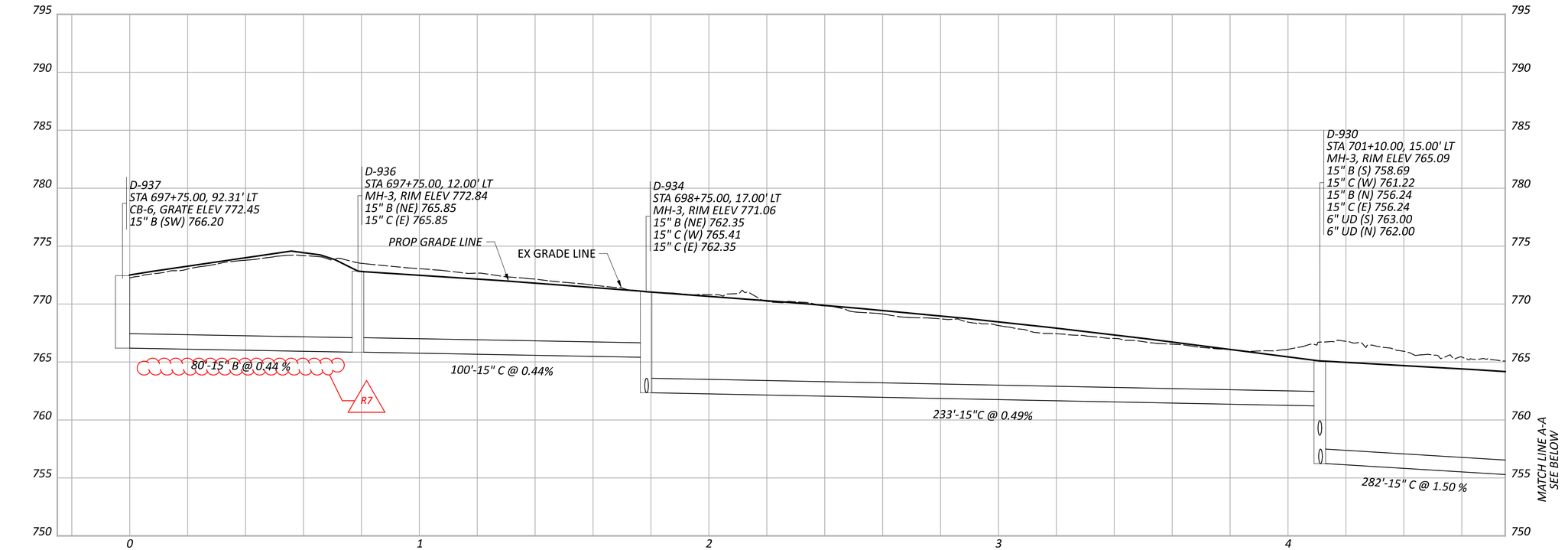
REVIEWER
KEM 08/09/23

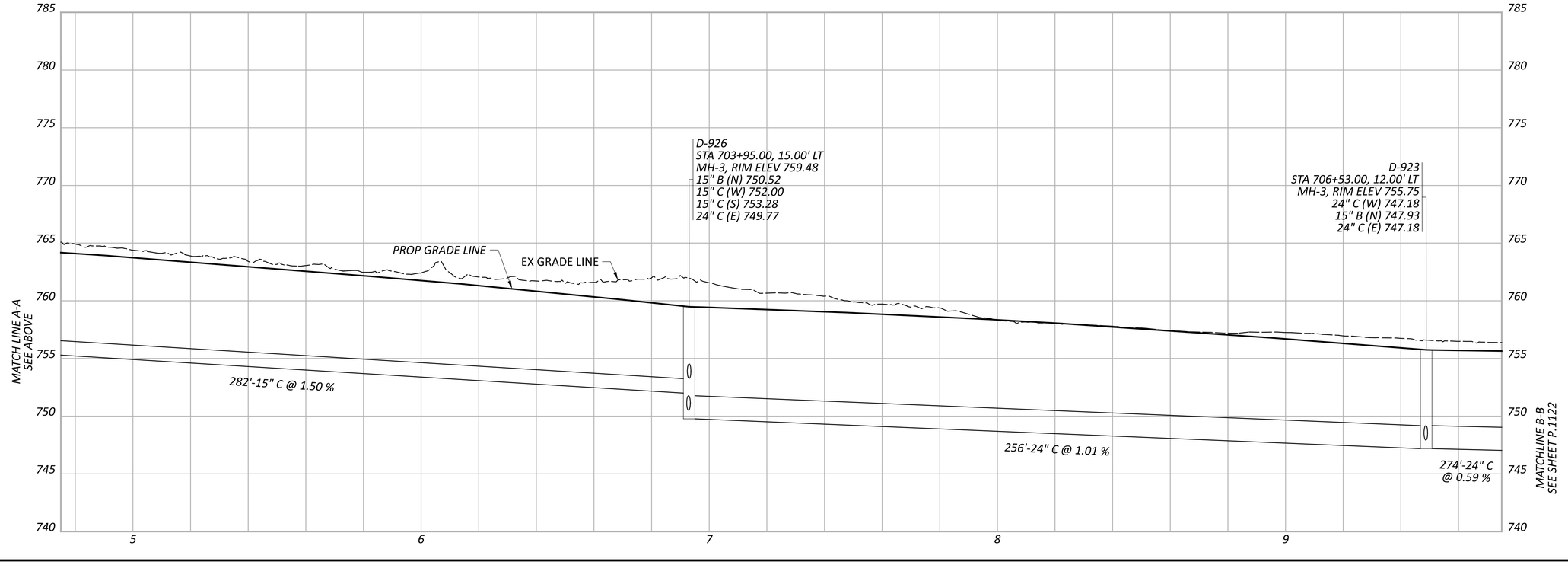
PROJECT ID
76779

SHEET P.1120 TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM





STORM SEWER PROFILES
OUTFALL M

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1121 TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
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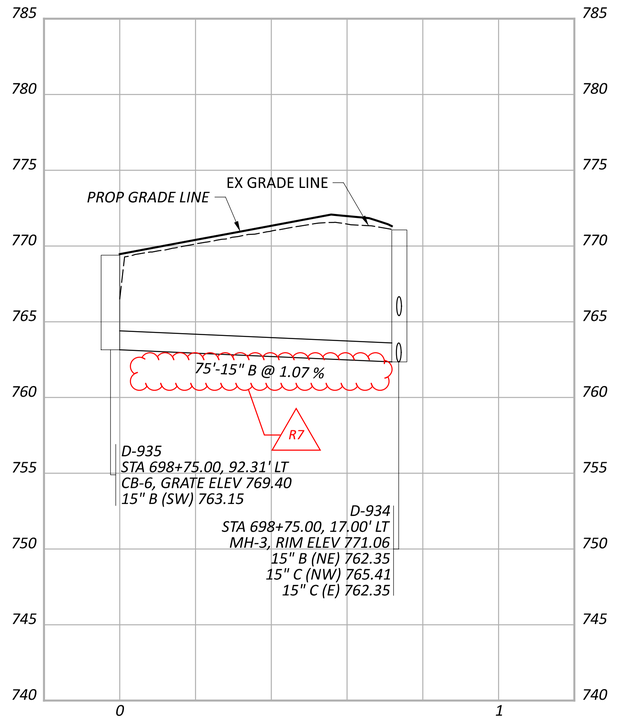

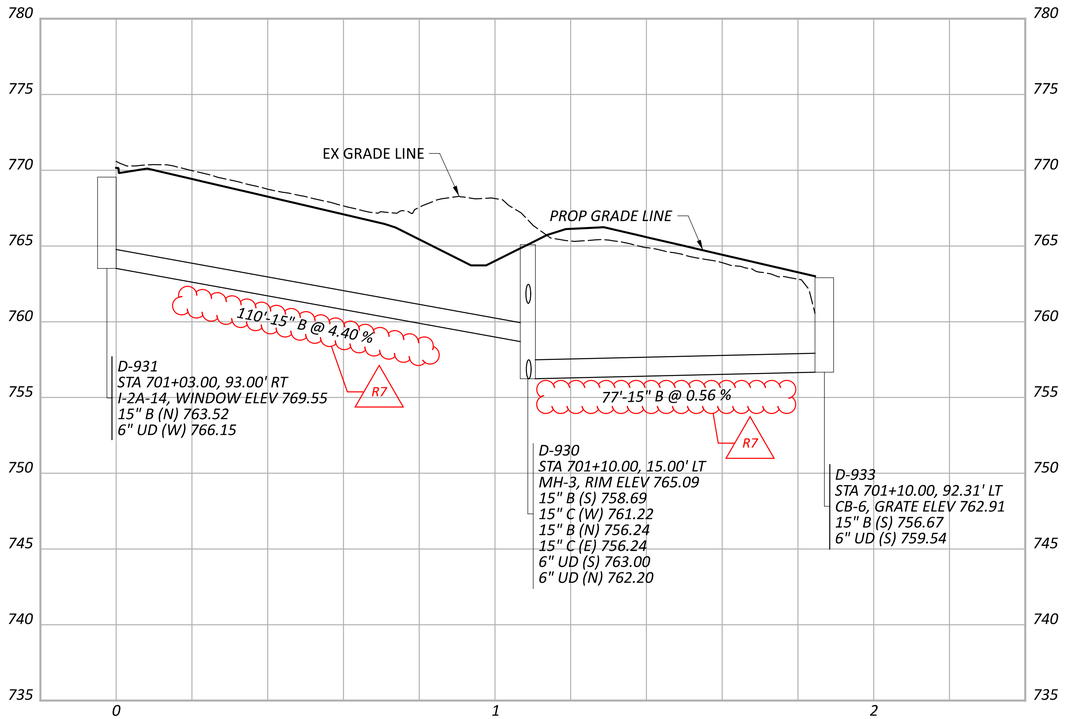

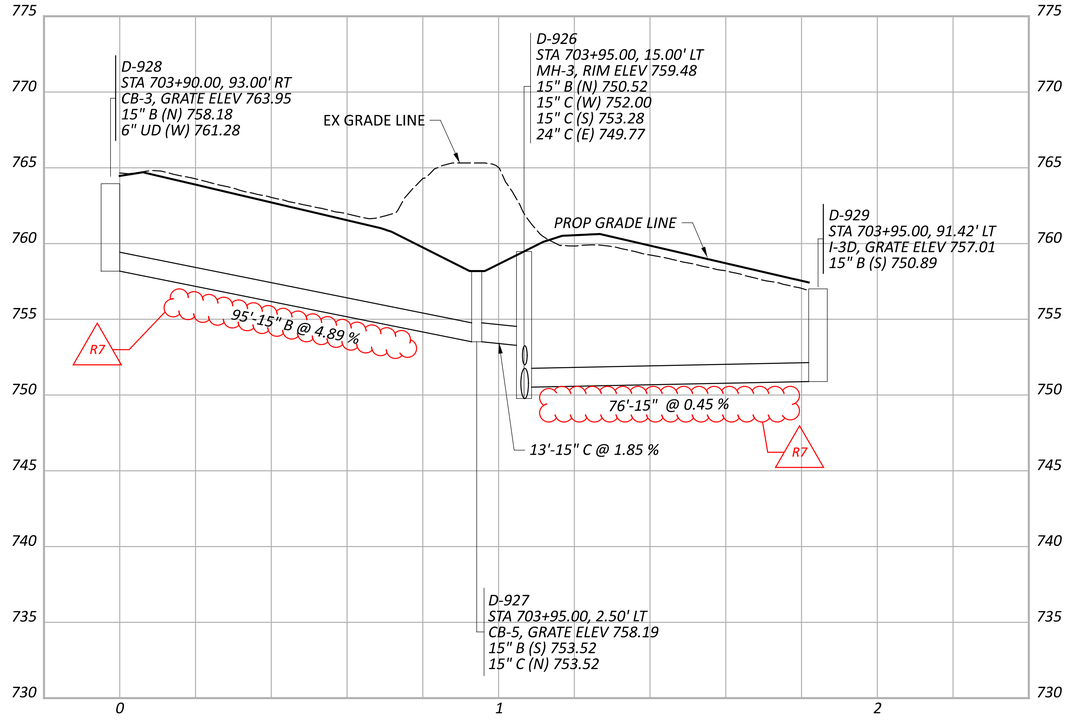

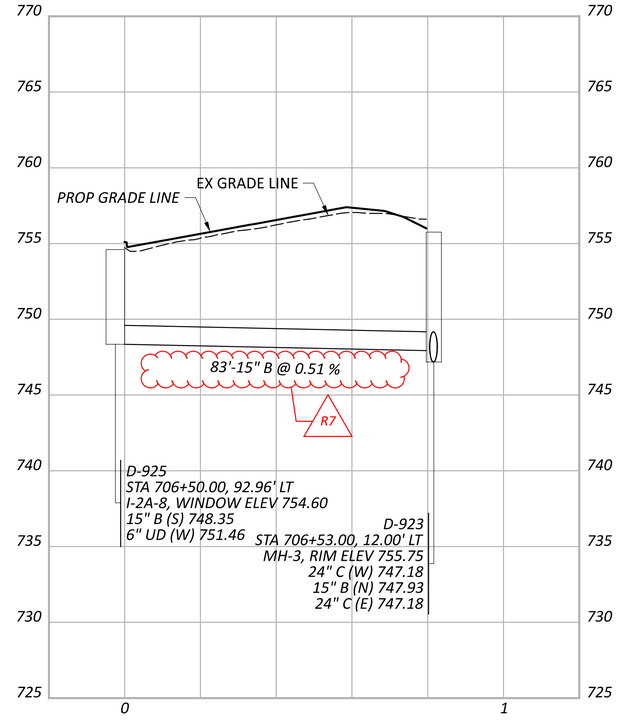

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1130 TOTAL P.1587

CUY-90-6.69

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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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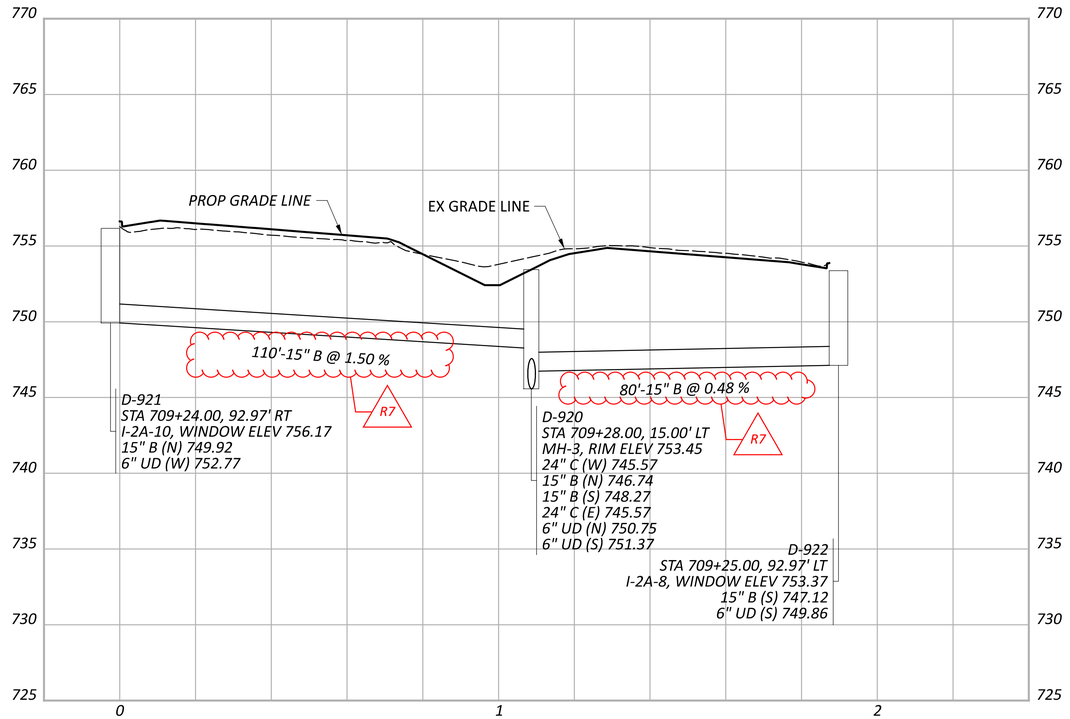

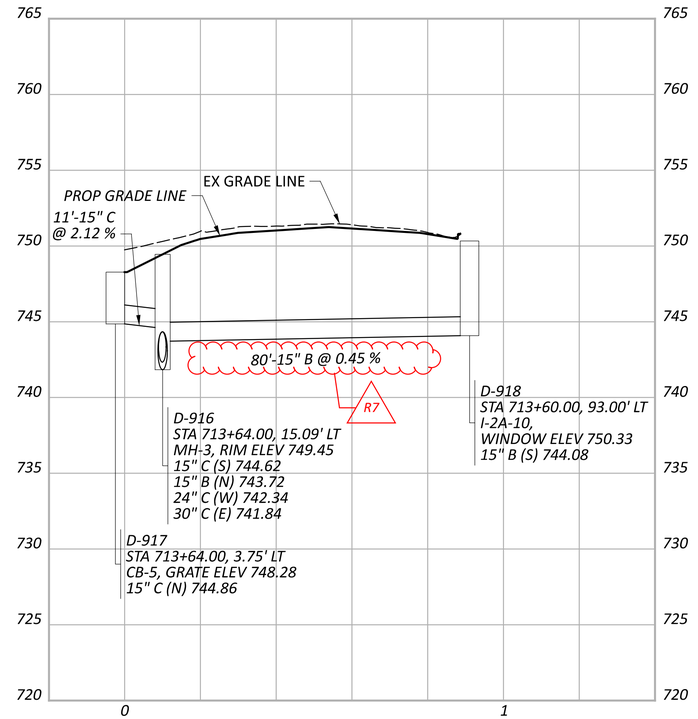

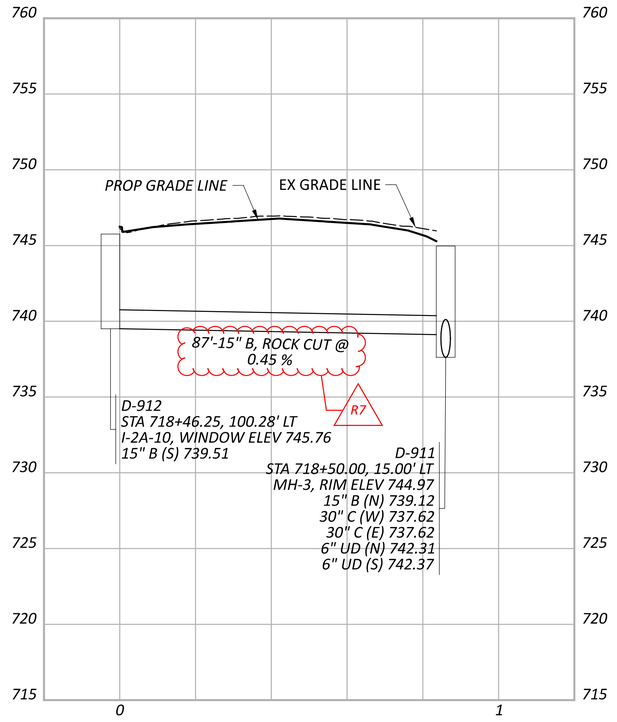

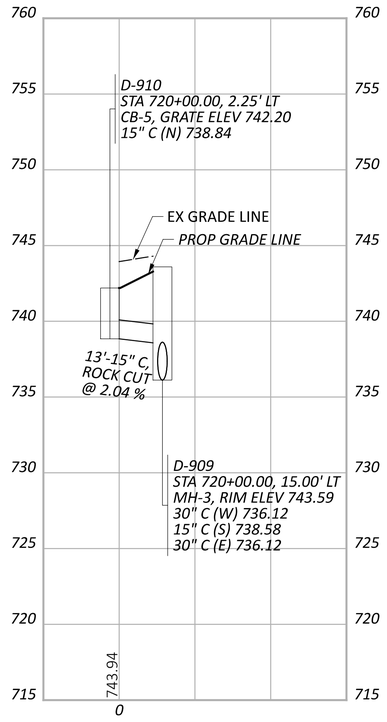

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1131 TOTAL P.1587

CUY-90-6.69

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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
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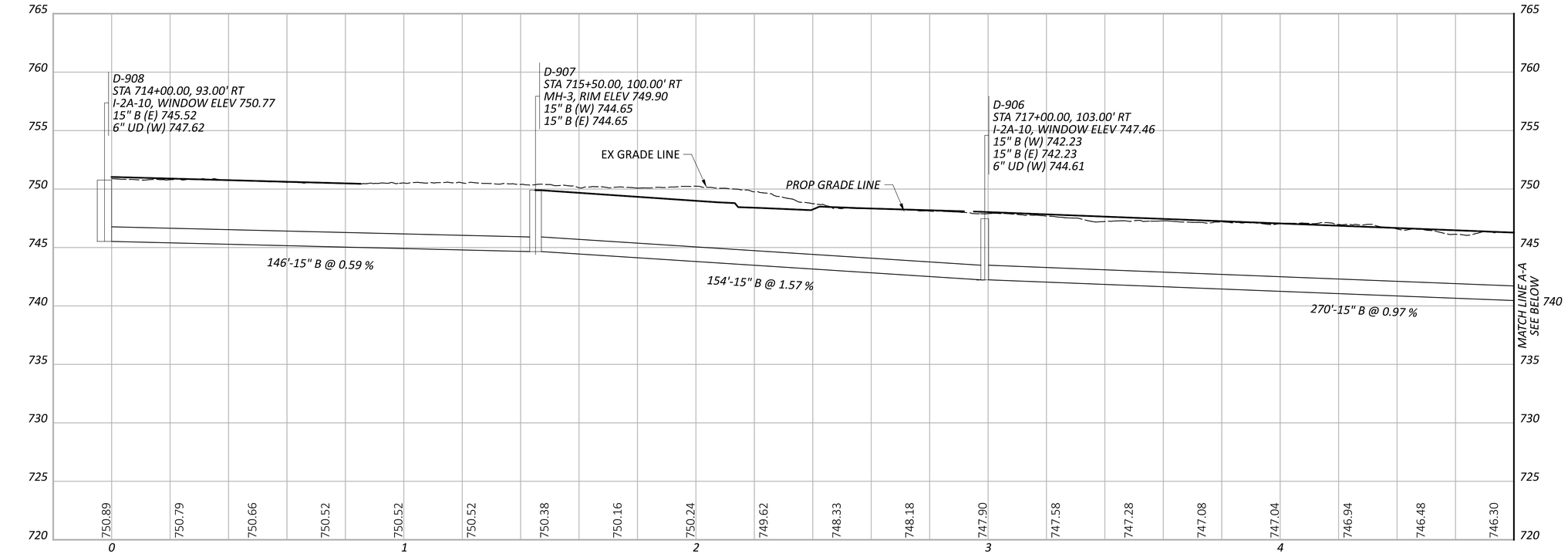

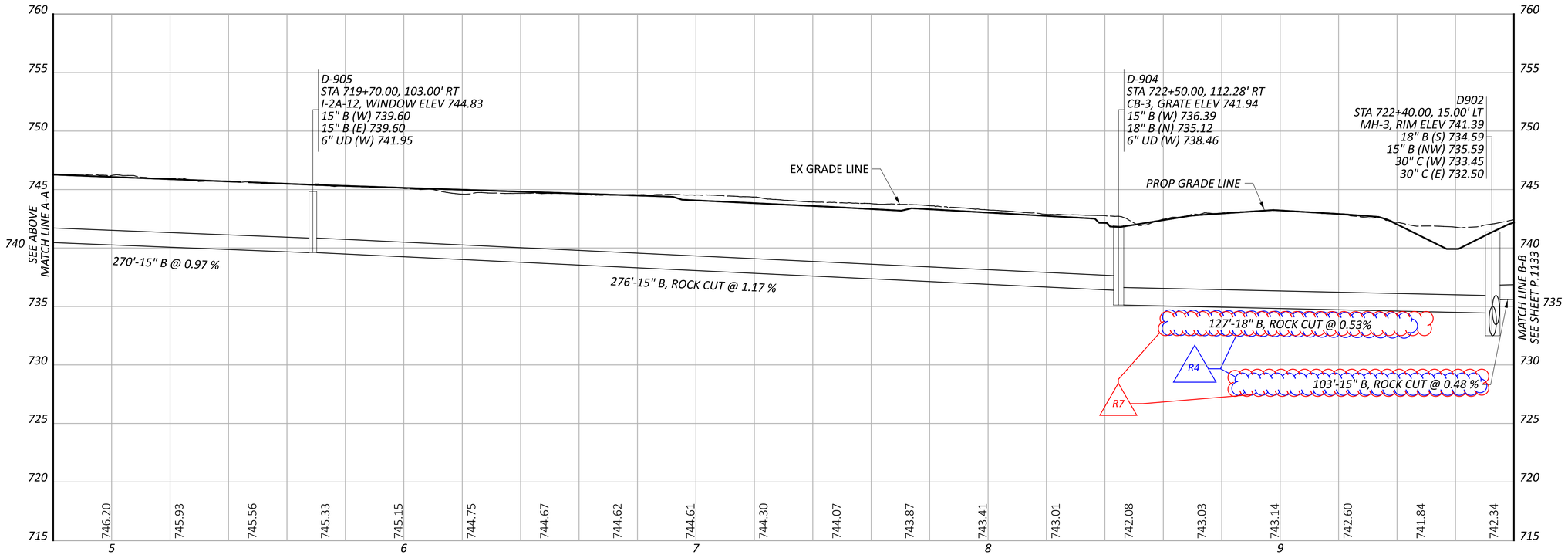

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1132 TOTAL P.1587

CUY-90-6.69

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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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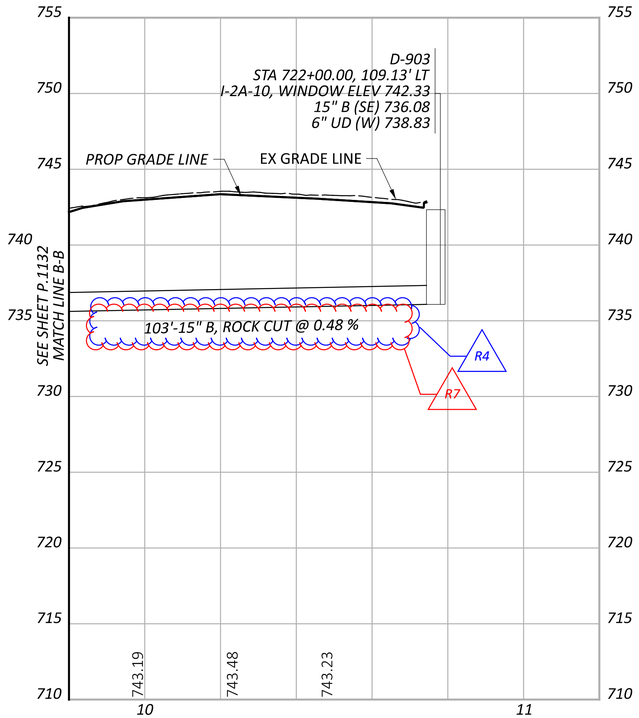

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1133 TOTAL P.1587

CUY-90-6.69

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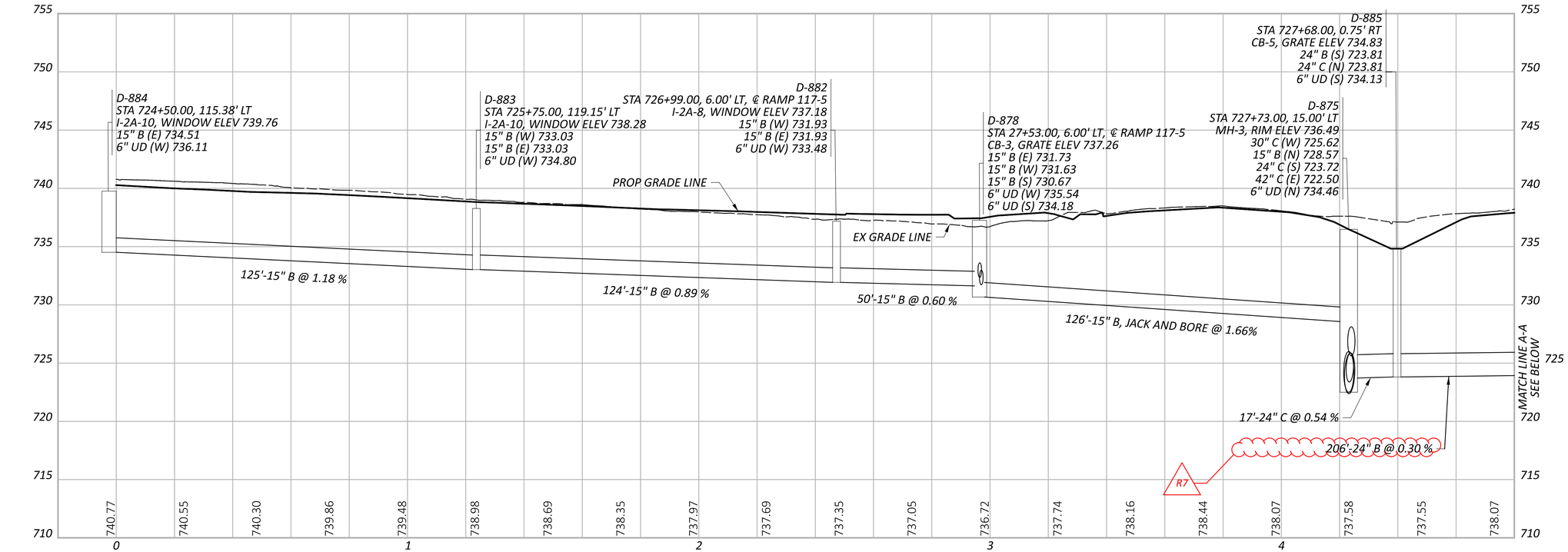

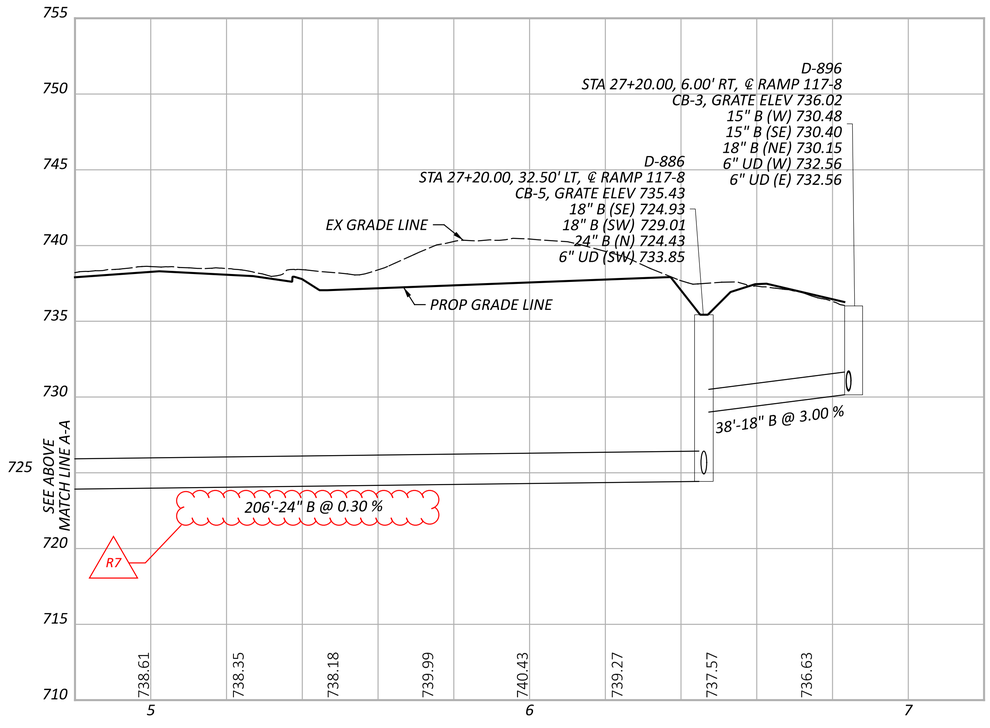

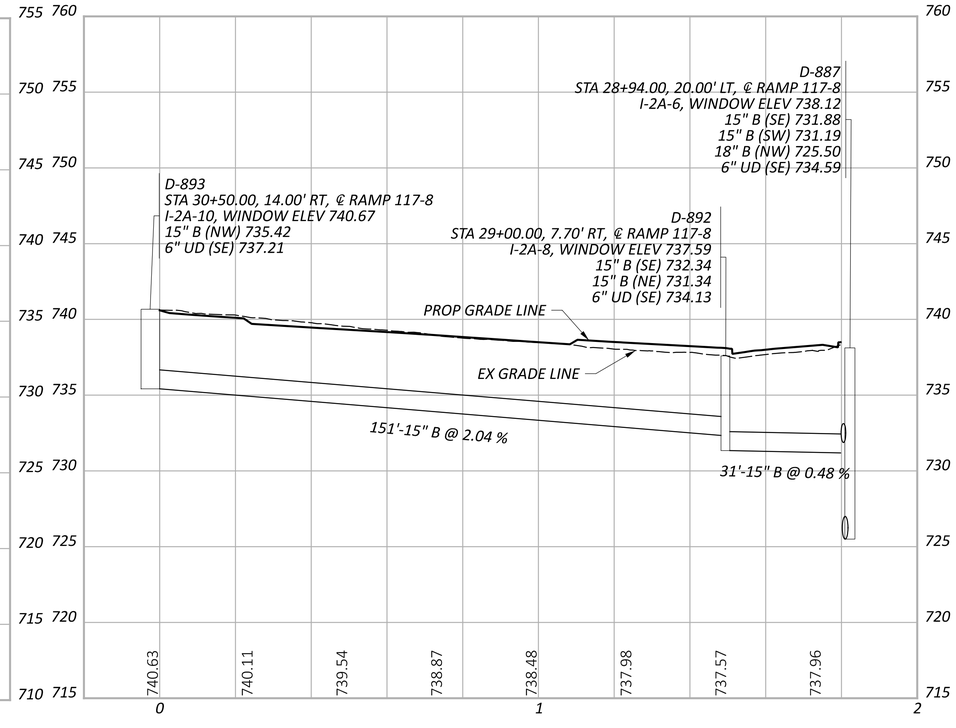

STORM SEWER PROFILES
OUTFALL M

CUY-90-6.69

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DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1134
TOTAL	P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
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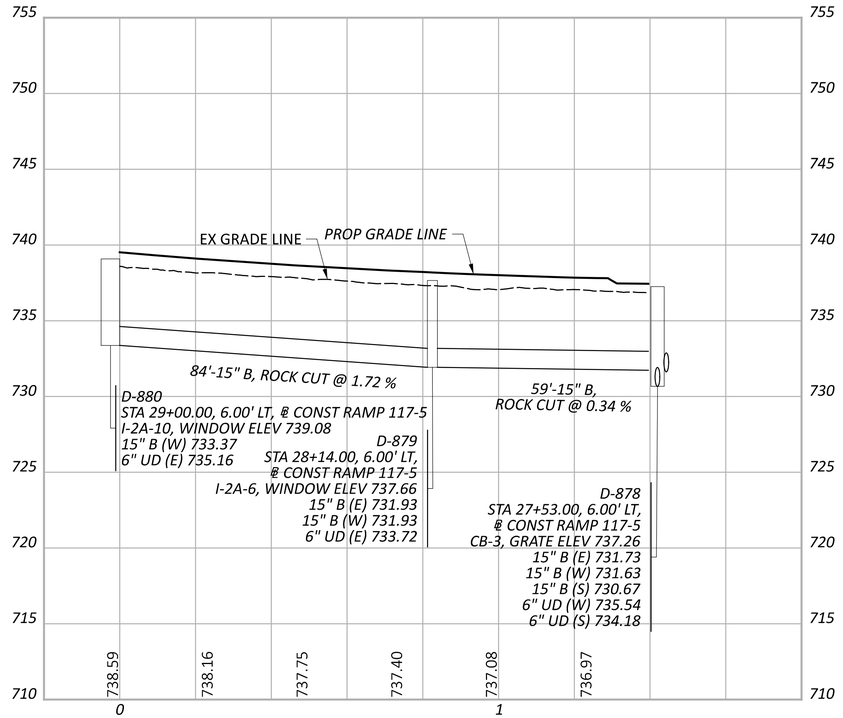

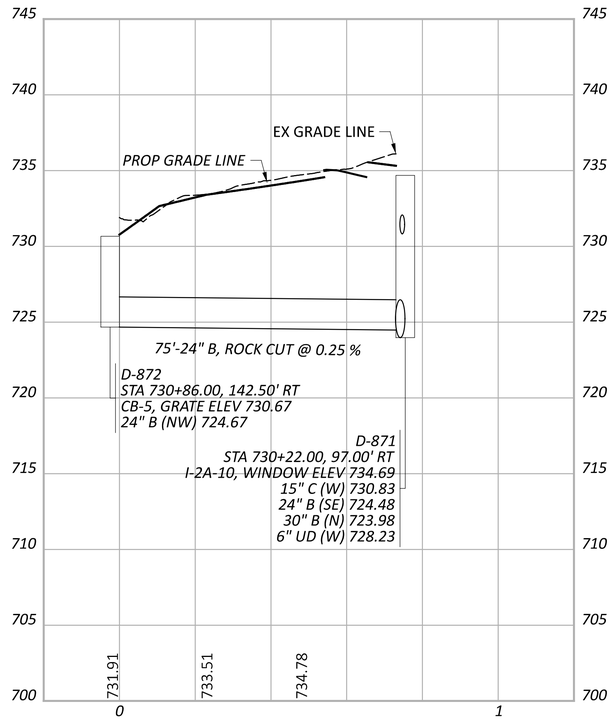

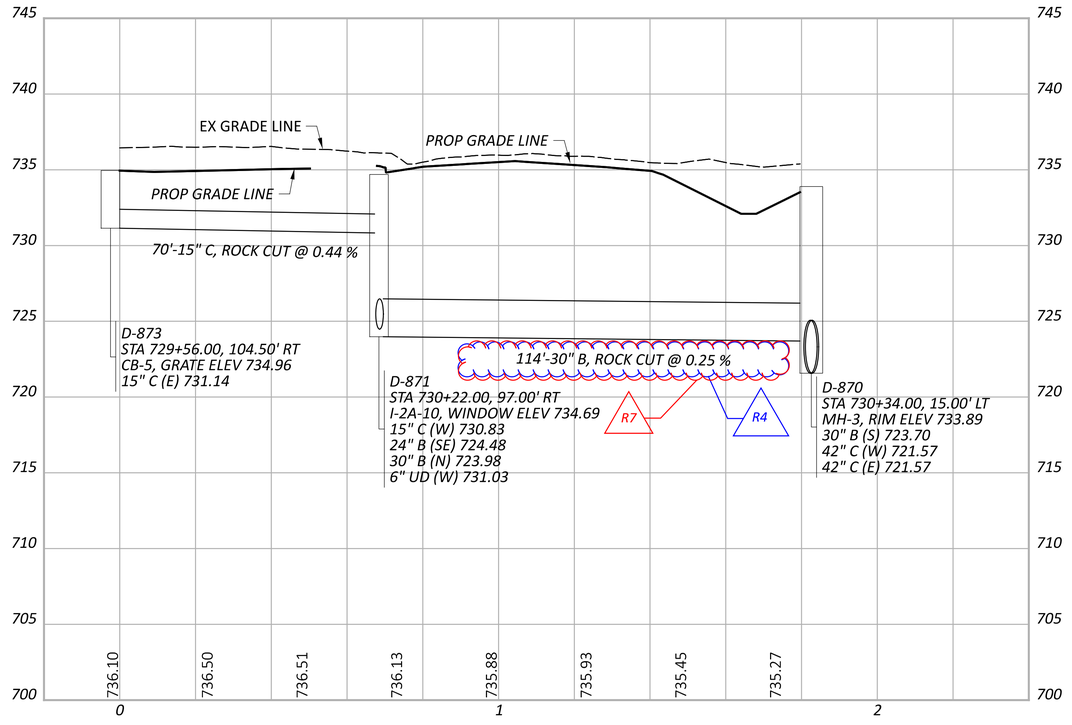

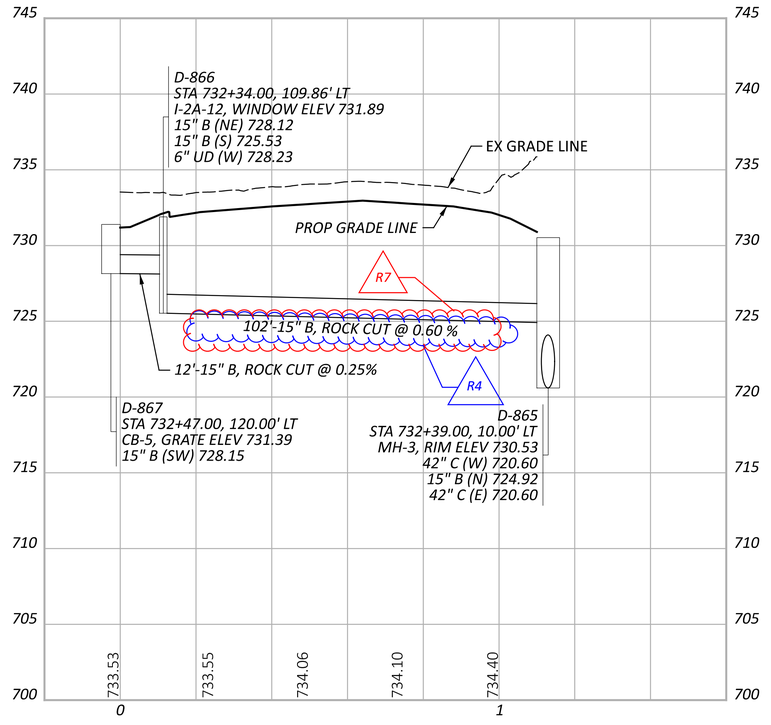

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	
AJO	
REVIEWER	
KEM	08/09/23
PROJECT ID	
76779	
SHEET	TOTAL
P.1136	P.1587

CUY-90-6.69

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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
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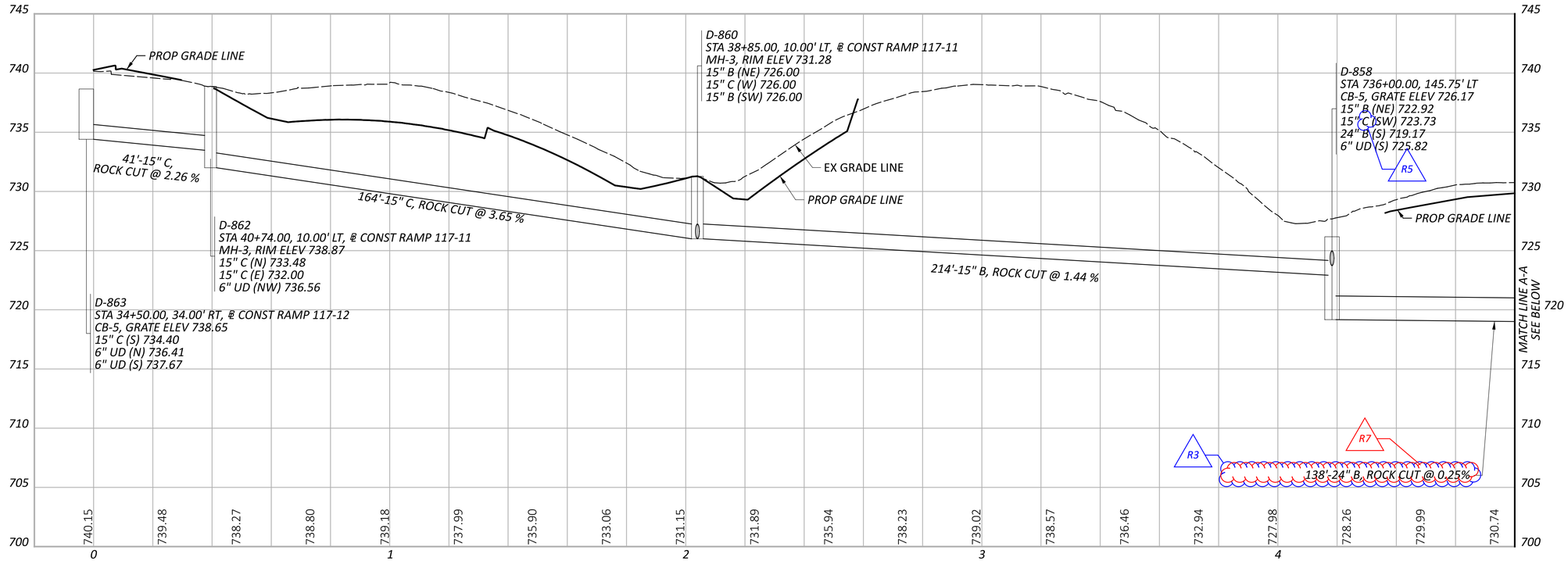

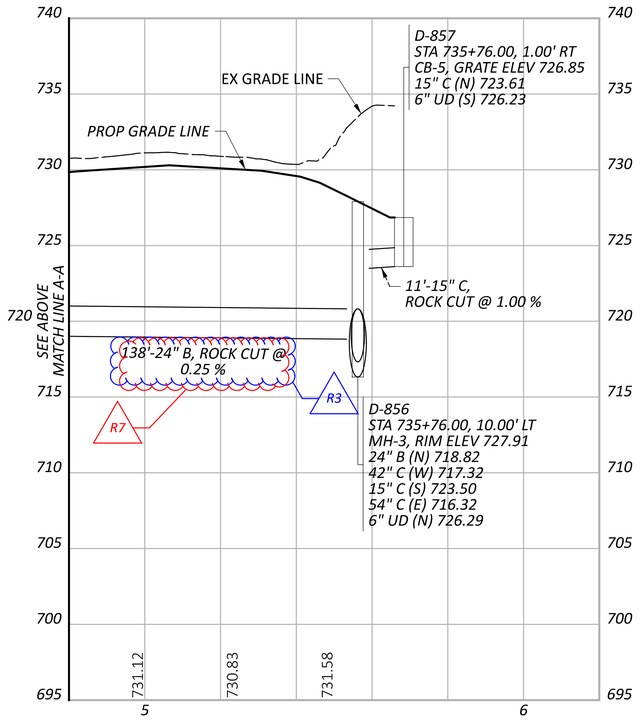

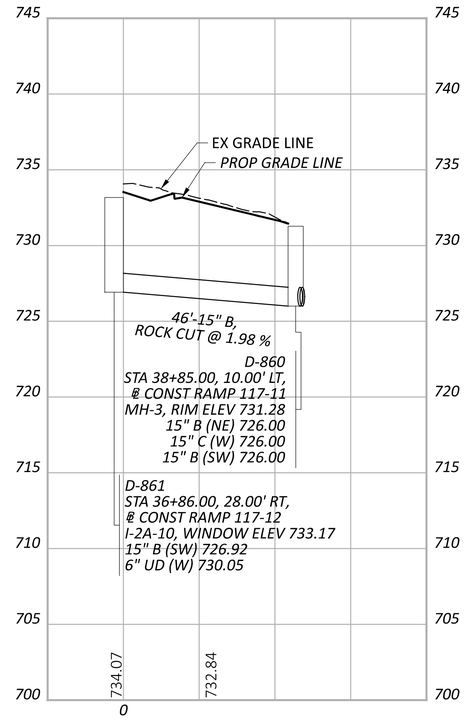

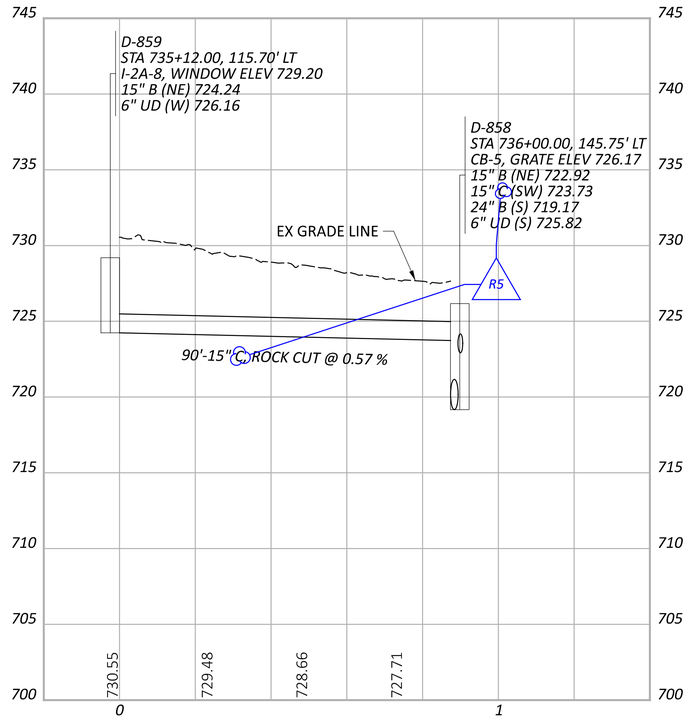

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO

REVIEWER KEM 08/09/23

PROJECT ID 76779

SHEET P.1137 TOTAL P.1587

CUY-90-6.69

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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
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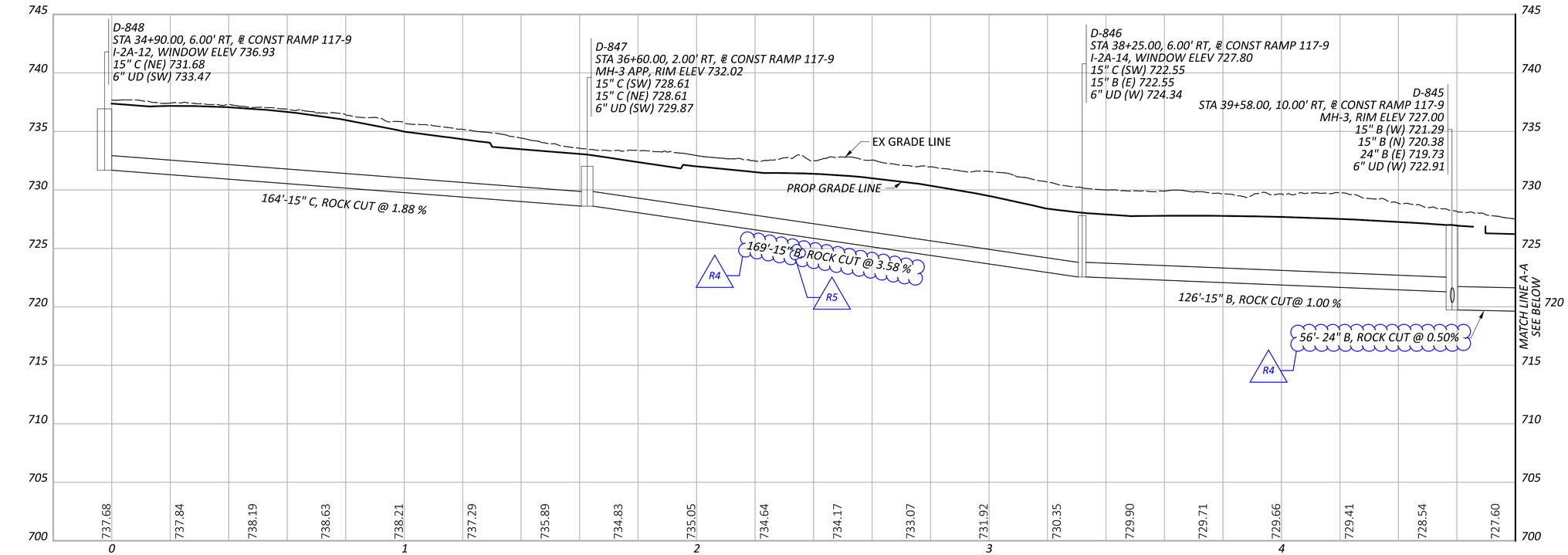

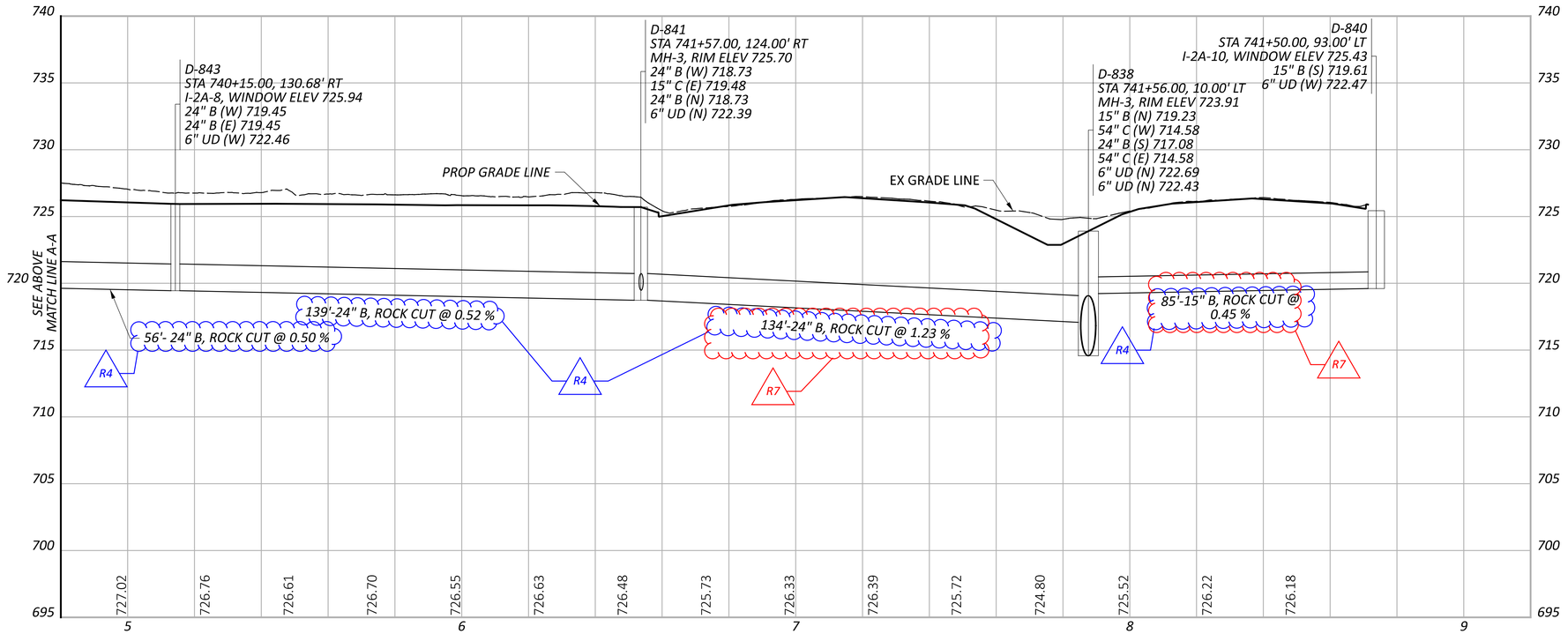

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1138 TOTAL P.1587

CUY-90-6.69

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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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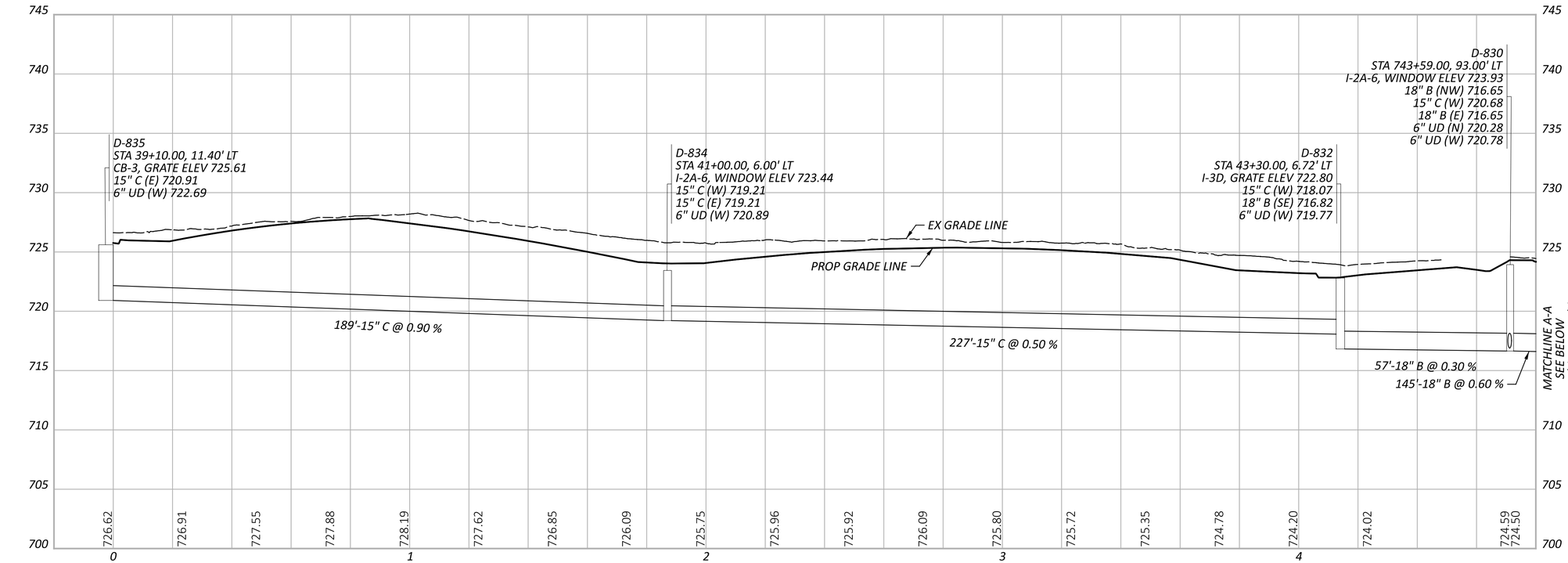

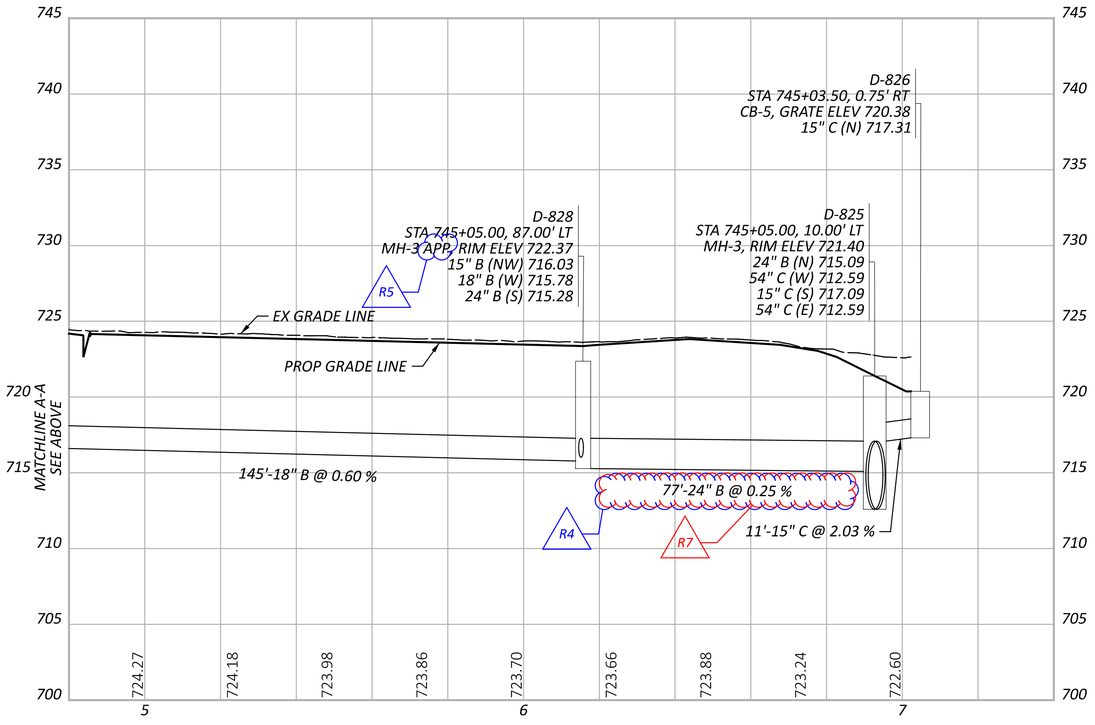

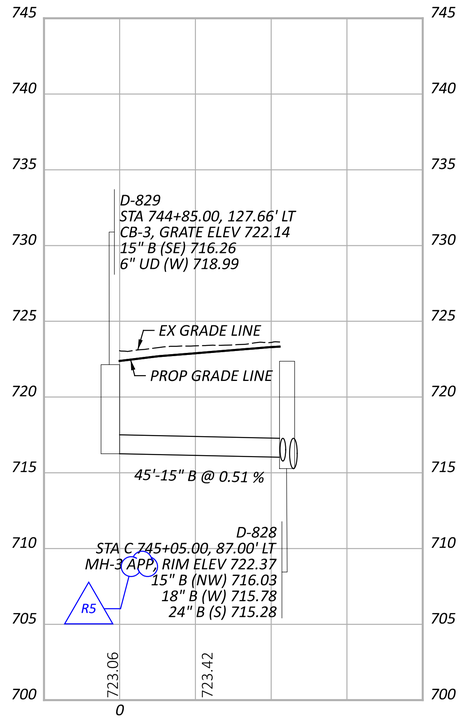

STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO

REVIEWER KEM 08/09/23

PROJECT ID 76779

SHEET P.1140 TOTAL P.1587

CUY-90-6.69

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NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
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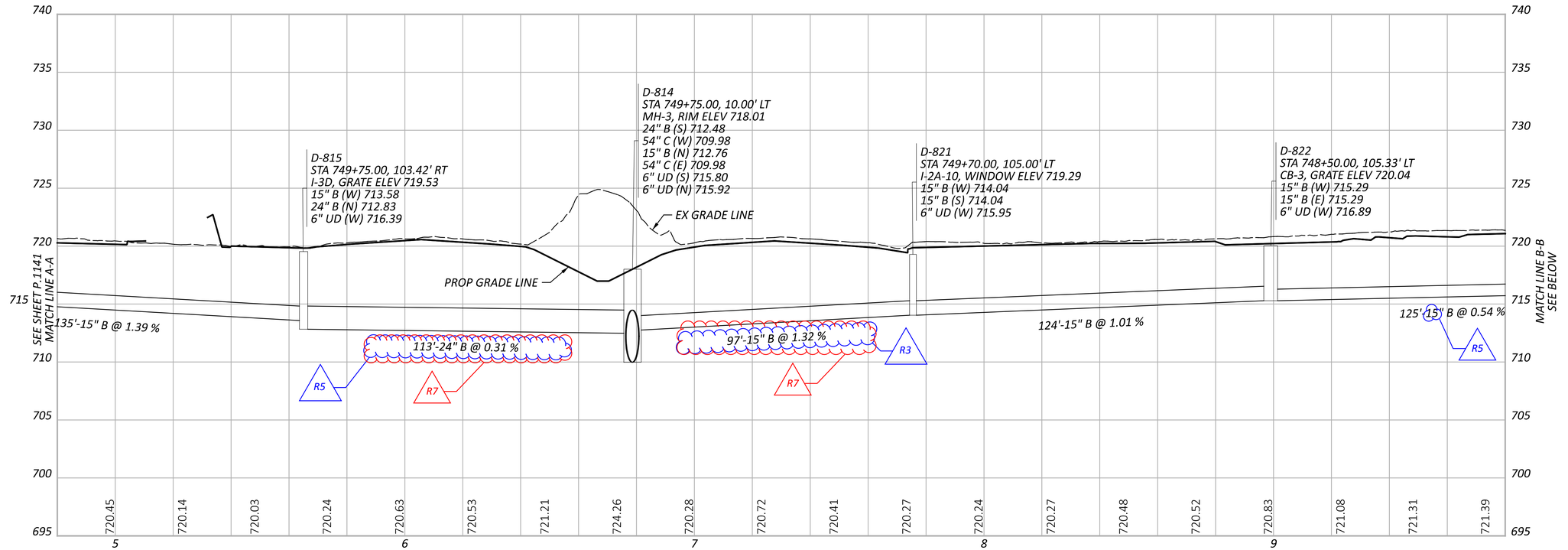

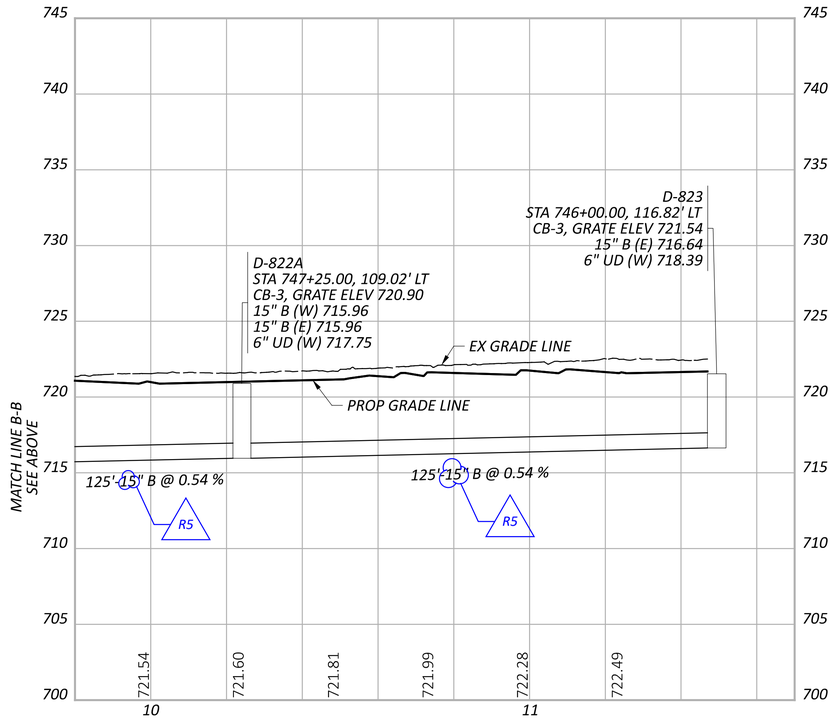

STORM SEWER PROFILES
OUTFALL M

CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER AJO

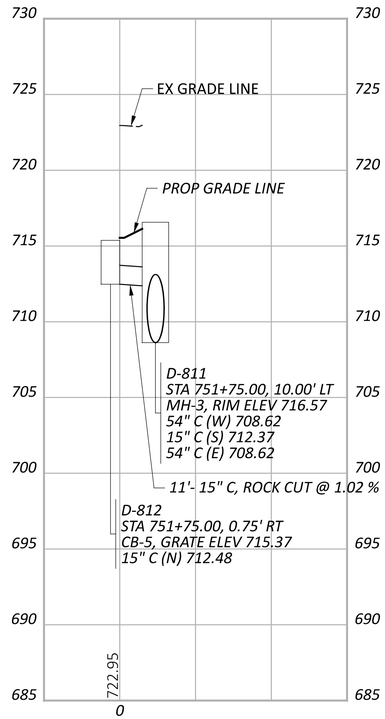
REVIEWER KEM 08/09/23

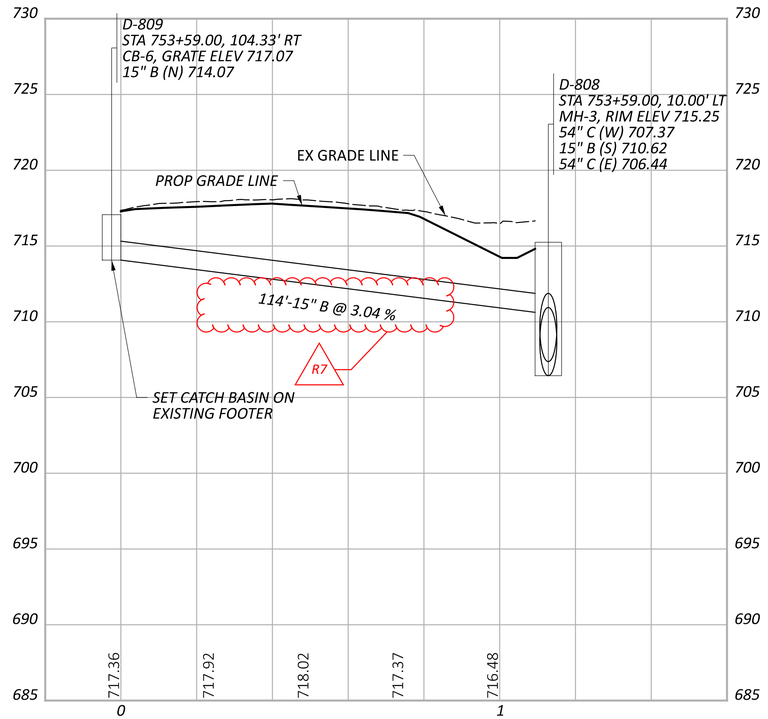
PROJECT ID 76779

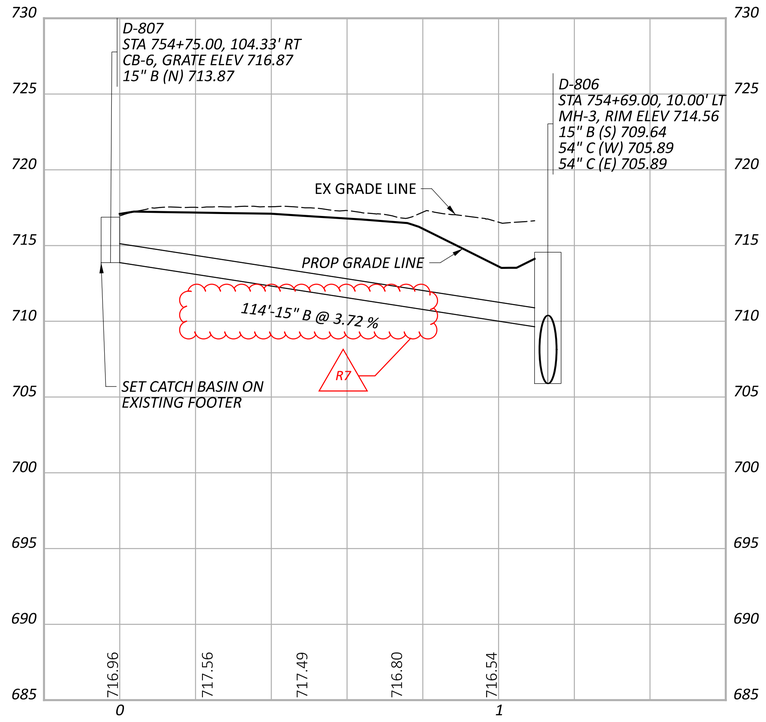
SHEET P.1142 TOTAL P.1587

NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM







STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1143 TOTAL P.1587

CUY-90-6.69

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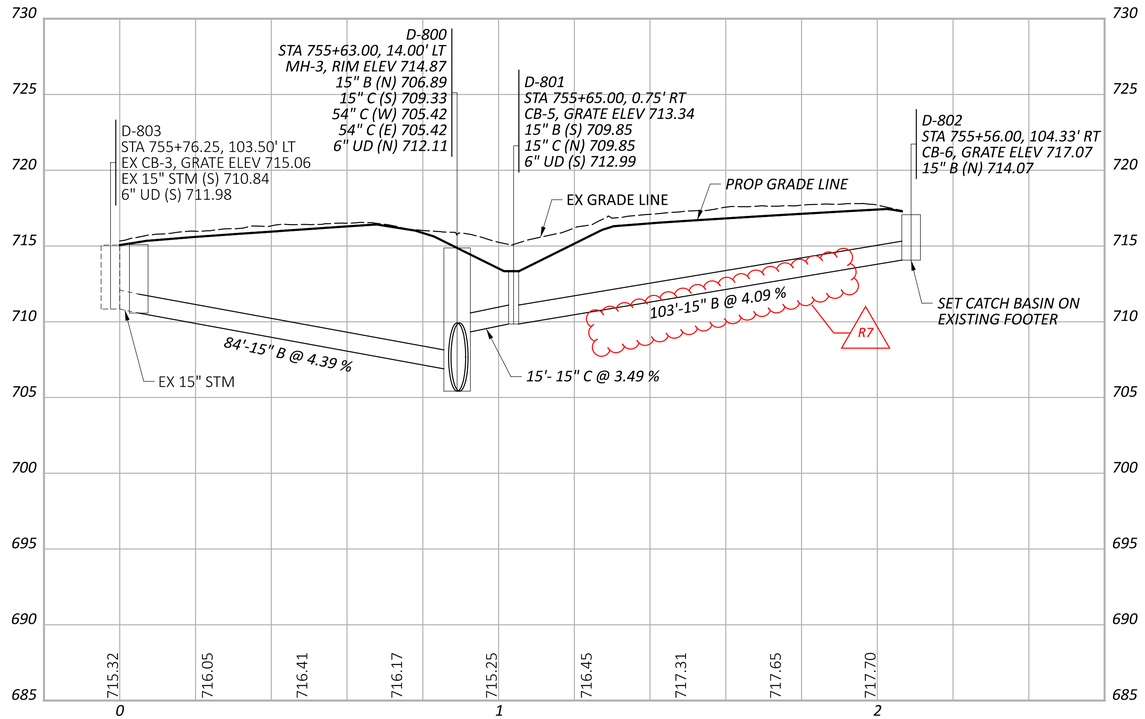
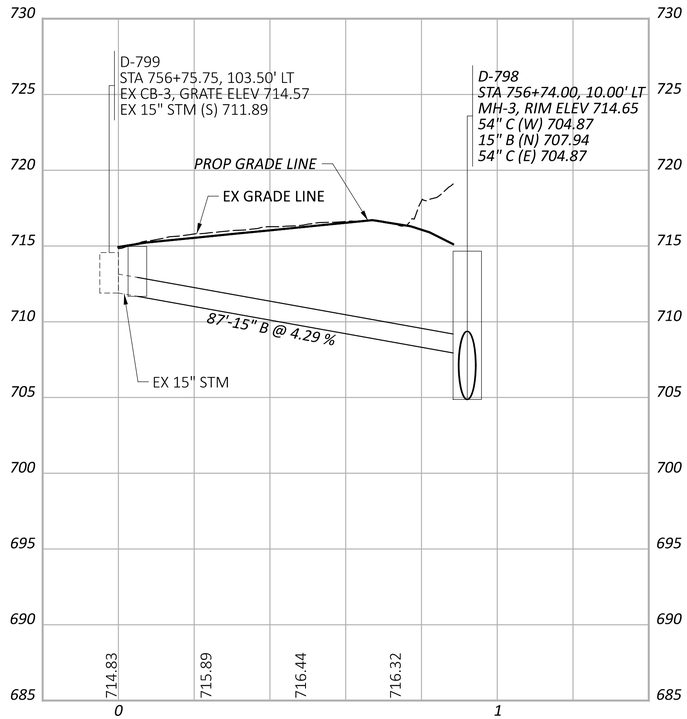
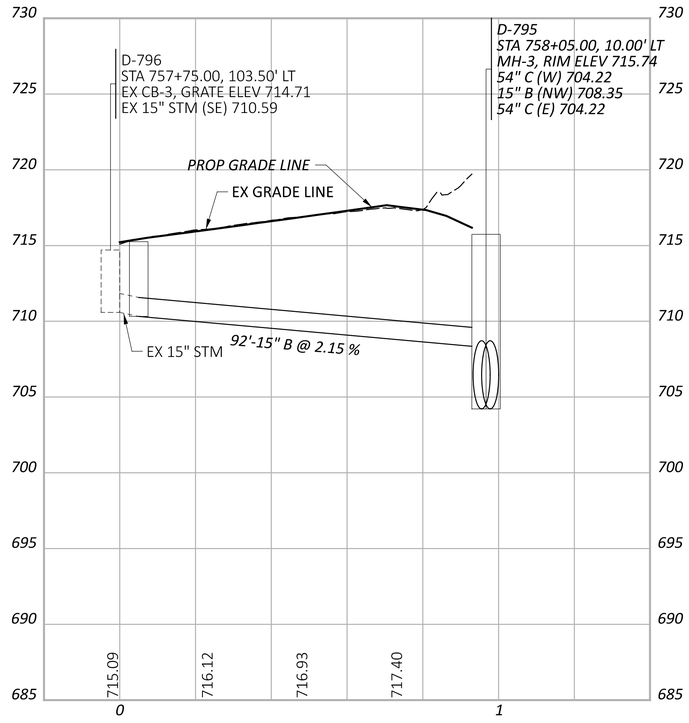
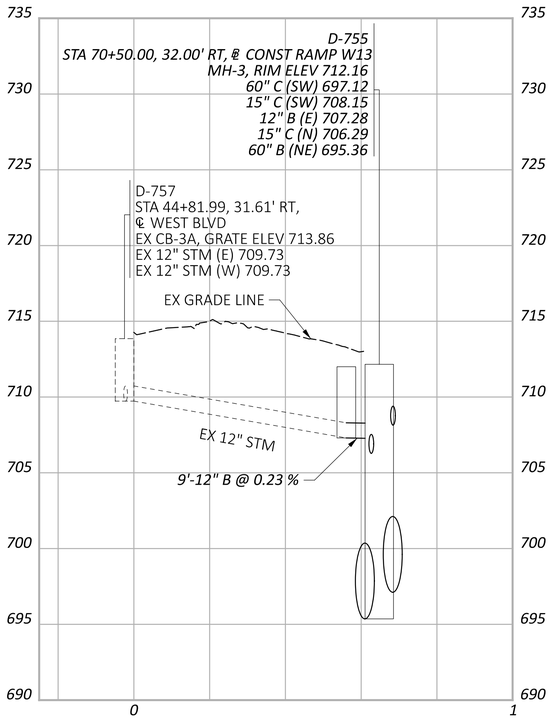
NOTES:

1. ALL STATIONING TAKEN FROM ℄ CONST IR 90 UNLESS OTHERWISE NOTED
2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
4. ALL PROPOSED PIPES TO BE CONNECTED TO EXISTING SHALL BE FITTED WITH A MASONRY COLLAR PER SCD DM-1.1. COST INCLUDED IN THE UNIT BID PRICE FOR THE PERTINENT CONDUIT ITEM









STORM SEWER PROFILES
OUTFALL M

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1144 TOTAL P.1587

CUY-90-6.69

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NOTES:

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2. FOR DRAINAGE PLAN SHEETS, SEE SHEET P.1047 - P.1067
3. ALL EXISTING CONNECTIONS TO BE CORED IN THE FIELD
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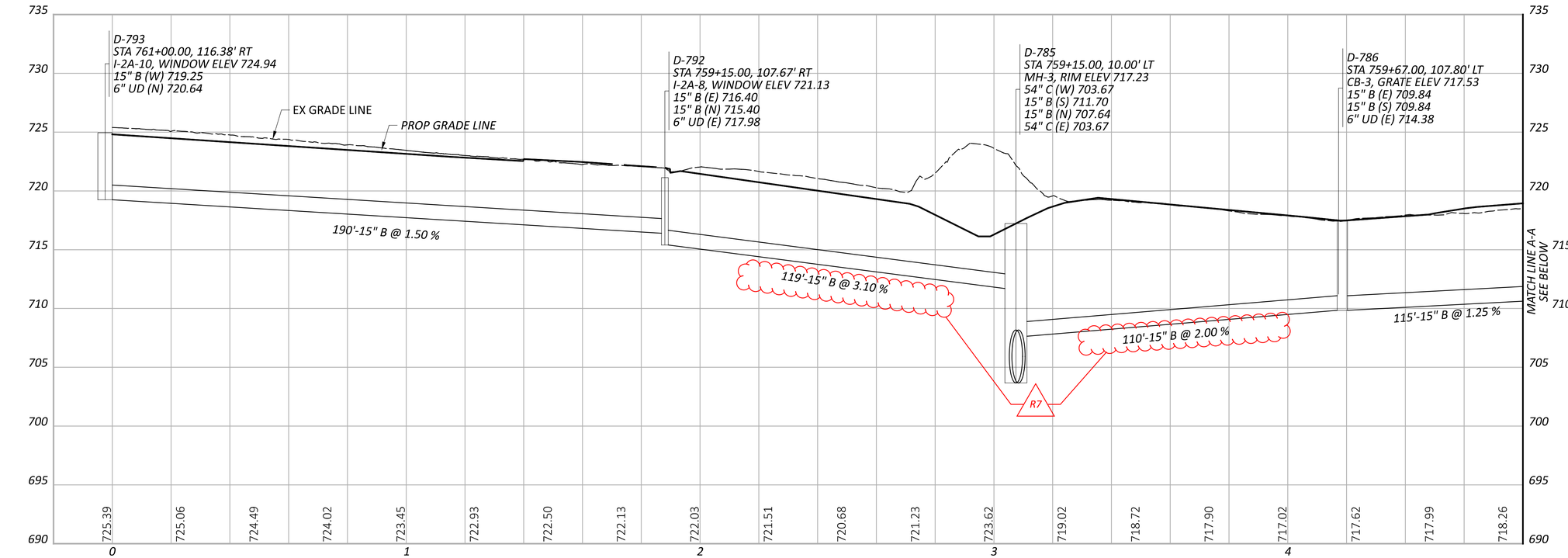

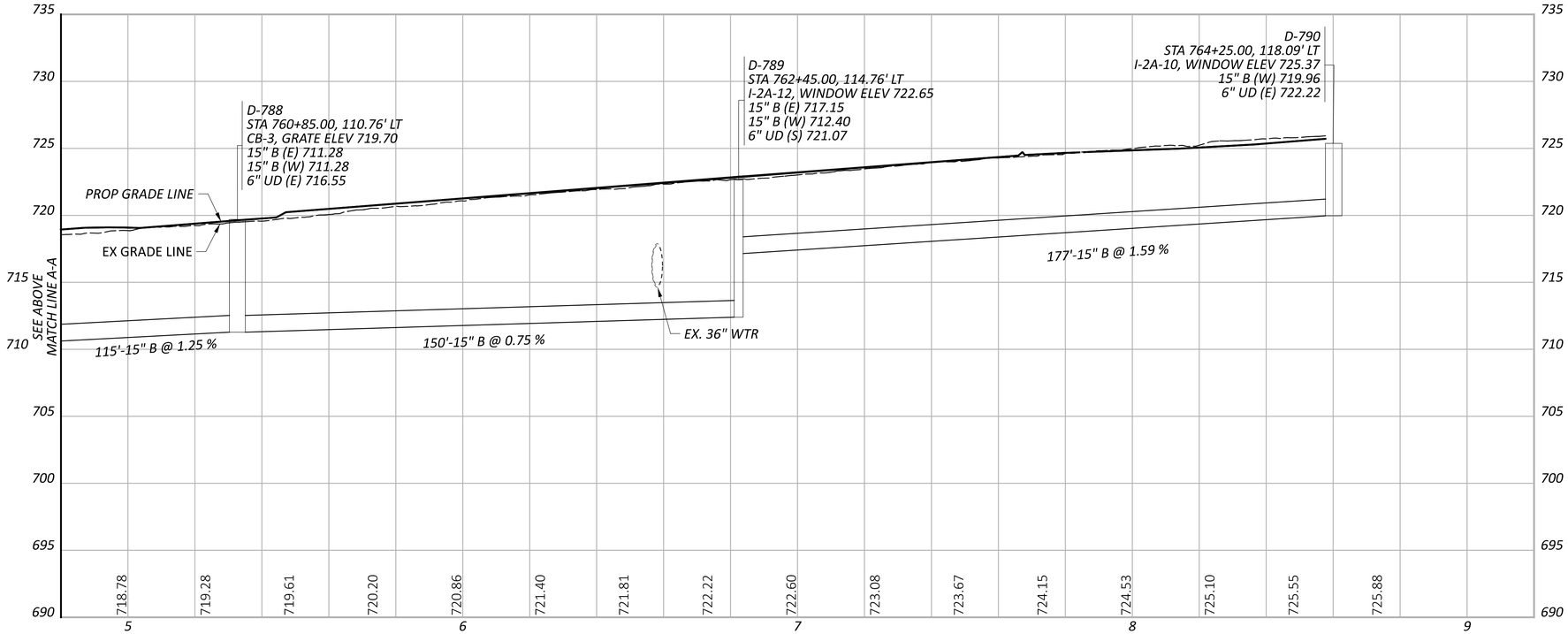

STORM SEWER PROFILES
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CUY-90-6.69

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DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1145 TOTAL P.1587

STANDARD DRAWINGS AND SUPPLEMENTAL SPECIFICATIONS

REFER TO THE FOLLOWING STANDARD BRIDGE DRAWING(S):

AS-1-15	REVISED	01-20-23
AS-2-15	REVISED	07-21-23
BR-1-13	REVISED	01-17-14
EXJ-4-87	REVISED	01-19-24
GSD-1-19	REVISED	07-19-24
HL-20.14	REVISED	04-17-20
RB-1-55	REVISED	07-19-24
SBR-1-20	REVISED	07-19-24
SBR-2-20	REVISED	07-19-24
SICD-1-21	REVISED	01-19-24
SICD-2-14	REVISED	01-15-21
VPF-1-90	REVISED	07-19-24

R3

AND TO THE FOLLOWING SUPPLEMENTAL SPECIFICATION(S):

800	DATED	01-17-25
838	DATED	01-15-21
848	DATED	07-19-24

DESIGN SPECIFICATIONS

THE STRUCTURES CONFORM TO THE 9th EDITION OF THE "LRFD BRIDGE DESIGN SPECIFICATIONS" ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, 2020 AND THE ODOT BRIDGE DESIGN MANUAL, 2024.

DESIGN DATA

CONCRETE CLASS QC2 -
COMPRESSIVE STRENGTH 4.5 KSI (SUPERSTRUCTURE)

CONCRETE CLASS QC1
COMPRESSIVE STRENGTH 4.0 KSI (SUBSTRUCTURE)

CONCRETE REINFORCEMENT:
EPOXY COATED STEEL REINFORCEMENT - MINIMUM YIELD STRENGTH 60-KSI

STRUCTURAL STEEL - ASTM A709 GRADE 50 - YIELD STRENGTH 50 KSI

EXISTING STRUCTURE VERIFICATION

DETAILS AND DIMENSIONS SHOWN ON THESE PLANS PERTAINING TO THE EXISTING STRUCTURE HAVE BEEN OBTAINED FROM PLANS OF THE EXISTING STRUCTURE AND FROM FIELD OBSERVATIONS AND MEASUREMENTS. CONSEQUENTLY, THEY ARE INDICATIVE OF THE EXISTING STRUCTURE AND THE PROPOSED WORK BUT THEY SHALL BE CONSIDERED TENTATIVE AND APPROXIMATE. THE CONTRACTOR IS REFERRED TO C&MS, SECTIONS 102.05, 105.02, AND 513.04. BASE CONTRACT BID PRICES UPON A RECOGNITION OF THE UNCERTAINTIES DESCRIBED ABOVE AND UPON A PREBID EXAMINATION OF THE EXISTING STRUCTURE. HOWEVER, THE DEPARTMENT WILL PAY FOR ALL PROJECT WORK BASED UPON ACTUAL DETAILS AND DIMENSIONS THAT HAVE BEEN VERIFIED IN THE FIELD.

UTILITY LINES

THE UTILITIES SHALL BEAR ALL EXPENSE INVOLVED IN RELOCATING LINES ATTACHED TO THE EAST (FORWARD) BEREA ROAD ABUTMENT. THE CONTRACTOR AND UTILITIES ARE TO COOPERATE BY ARRANGING THEIR WORK IN SUCH A MANNER THAT INCONVENIENCE TO EITHER WILL BE HELD TO A MINIMUM.

ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN

THIS WORK CONSISTS OF THE REMOVAL OF CONCRETE DECKS INCLUDING SIDEWALKS, CONCRETE BRIDGE RAILINGS, METAL RAILINGS, DECK JOINTS AND OTHER APPURTENANCES FROM STEEL SUPPORTING SYSTEMS (BEAMS, GIRDERS, CROSS FRAMES, ETC.). THE PROVISIONS OF ITEM 202 APPLY EXCEPT AS SPECIFIED BY THE FOLLOWING NOTES. PERFORM WORK CAREFULLY DURING DECK REMOVALS TO PROTECT PORTIONS OF SUCH SYSTEMS THAT ARE TO BE SALVAGED AND INCORPORATED INTO THE PROPOSED STRUCTURE. THE DEPARTMENT WILL NOT PERMIT THE USE OF EXPLOSIVES, HEADACHE BALLS AND/OR HOE RAM TYPE OF EQUIPMENT IS PROHIBITED. SUBMIT CONSTRUCTION PLANS ACCORDING TO C&MS 501.05.

PROTECTION OF STEEL SUPPORT SYSTEMS: BEFORE DECK SLAB CUTTING IS PERMITTED, DRAW THE OUTLINE OF PRIMARY STEEL MEMBERS IN CONTACT WITH THE BOTTOM OF THE DECK ON THE SURFACE OF DECK. DRILL SMALL DIAMETER PILOT HOLES 2 INCHES OUTSIDE THESE LINES TO CONFIRM THE LOCATION OF FLANGE EDGES. DECK CUTS OVER OR WITHIN 2 INCHES OF FLANGE EDGES SHALL NOT EXTEND LOWER THAN THE BOTTOM LAYER OF DECK SLAB REINFORCING STEEL. CUTS MADE OUTSIDE 2 INCHES OF FLANGE EDGES MAY EXTEND THE FULL DEPTH OF THE DECK. PERFORM WORK CAREFULLY DURING CUTTING OF THE DECK SLAB TO AVOID DAMAGING STEEL MEMBERS THAT ARE TO BE INCORPORATED INTO THE PROPOSED STRUCTURE. REPLACE OR REPAIR STEEL MEMBERS DAMAGED BY THE DECK SLAB CUTTING OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING REPAIR.

REMOVAL METHODS: THE CONTRACTOR MAY REMOVE CONCRETE BY CUTTING AND BY MEANS OF HAND OPERATED PNEUMATIC HAMMERS EMPLOYING POINTED OR BLUNTED CHISEL TYPE TOOLS. FOR REMOVALS OVER STRUCTURAL MEMBERS (I-BEAM, STEEL BEAM STEEL GIRDER, ETC.), THE CONTRACTOR MAY USE A HAMMER HEAVIER THAN 35 POUNDS BUT NOT TO EXCEED 90 POUNDS UNLESS APPROVED BY THE ENGINEER. REMOVAL METHODS OVER STRUCTURAL MEMBERS SHALL ENSURE ADEQUATE DEPTH CONTROL AND PREVENT NICKING OR GOUGING THE PRIMARY STRUCTURAL MEMBERS. DUE TO THE POSSIBLE PRESENCE OF ATTACHMENTS (E.G., FINISHING MACHINE, SCUPPER AND FORM SUPPORTS, ETC.) TO EXISTING STRUCTURAL MEMBERS, PERFORM WORK CAREFULLY DURING DECK REMOVAL TO AVOID DAMAGING STRUCTURAL MEMBERS THAT ARE TO REMAIN. REPLACE OR REPAIR STRUCTURAL MEMBERS DAMAGED BY THE REMOVAL OPERATIONS AT NO COST TO THE PROJECT. AT LEAST 7 DAYS BEFORE PERFORMING REPAIR WORK, SUBMIT A PROPOSED REPAIR PLAN, DEVELOPED BY AN OHIO REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER. OBTAIN THE ENGINEER'S APPROVAL BEFORE PERFORMING REPAIR.

EXISTING WELDED ATTACHMENTS: REMOVE EXISTING WELDED ATTACHMENTS (E.G., FINISHING MACHINE AND FORM SUPPORTS; AND SUPPORTS FOR SCUPPERS AND BULB ANGLES WHICH ARE TO BE REMOVED) LOCATED IN THE DESIGNATED TENSION PORTIONS OF THE TOP FLANGES OF EXISTING STEEL MEMBERS AND GRIND THE FLANGE SURFACES SMOOTH. CAREFULLY GRIND PARALLEL TO THE FLANGES.

CUT LINE CONSTRUCTION JOINT PREPARATION: SAW CUT BOUNDARIES OF PROPOSED CONCRETE REMOVALS 1 INCH DEEP. REMOVE CONCRETE TO A ROUGH SURFACE. LEAVE THE EXISTING REINFORCING STEEL, IF REQUIRED IN THE PLANS, IN PLACE. INSTALL DOWEL BARS IF SPECIFIED. PRIOR TO CONCRETE PLACEMENT ABRASIVELY CLEAN JOINT SURFACES AND EXISTING EXPOSED REINFORCEMENT TO REMOVE LOOSE AND DISINTEGRATED CONCRETE AND LOOSE RUST. THOROUGHLY CLEAN THE JOINT SURFACE AND EXPOSED REINFORCEMENT OF ALL DIRT, DUST, RUST OR OTHER FOREIGN MATERIAL BY THE USE OF WATER, AIR UNDER PRESSURE, OR OTHER METHODS THAT PRODUCE SATISFACTORY RESULTS. EXISTING REINFORCING STEEL DOES NOT HAVE TO HAVE A BRIGHT STEEL FINISH BUT REMOVE ALL PACK AND LOOSE RUST. THOROUGHLY DRENCH EXISTING CONCRETE SURFACES WITH CLEAN WATER AND ALLOW TO DRY TO A DAMP CONDITION BEFORE PLACING CONCRETE.

SUBSTRUCTURE AND SUPERSTRUCTURE CONCRETE REMOVAL: REMOVE CONCRETE BY MEANS OF APPROVED PNEUMATIC HAMMERS EMPLOYING POINTED AND BLUNT CHISEL TOOLS. HYDRAULIC HOE-RAM TYPE HAMMERS WILL NOT BE PERMITTED. THE WEIGHT OF THE HAMMER SHALL NOT BE MORE THAN 35 POUNDS FOR REMOVAL WITHIN 18 INCHES OF PORTIONS TO BE PRESERVED. OUTSIDE THE 18 INCH LIMIT, THE CONTRACTOR MAY USE HAMMERS NOT EXCEEDING 90 POUNDS UPON THE APPROVAL OF THE ENGINEER. DO NOT PLACE PNEUMATIC HAMMERS IN DIRECT CONTACT WITH REINFORCING STEEL THAT IS TO BE RETAINED IN THE REBUILT STRUCTURE.

MEASUREMENT & PAYMENT: THE DEPARTMENT WILL MEASURE THE QUANTITY OF REMOVALS ON A LUMP SUM BASIS. THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES OF REMOVALS AT THE CONTRACT PRICE FOR ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

ASBESTOS NOTIFICATION

A CERTIFIED ASBESTOS HAZARD EVALUATION SPECIALIST SURVEYED THE BRIDGE STRUCTURES SCHEDULED FOR DEMOLITION AND/OR REHABILITATION; THE SURVEY DETERMINED THAT NO ASBESTOS IS PRESENT ON THE BRIDGE STRUCTURES.

ODOT SHALL PROVIDE A COPY OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY (OEPA) NOTIFICATION OF DEMOLITION AND RENOVATION FORM, PARTIALLY COMPLETED AND SIGNED BY THE BRIDGE OWNER, TO THE SUCCESSFUL BIDDER. THE CONTRACTOR SHALL COMPLETE THE FORM AND SUBMIT IT TO ONE OF THE ADDRESSES BELOW AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION.

ASBESTOS PROGRAM
OHIO EPA, DAPC
P.O. BOX 1049
COLUMBUS, OH 43216-1049

OR

ASBESTOS PROGRAM
OHIO EPA, DAPC
50 W. TOWN ST., SUITE 700
COLUMBUS, OH 43215

THE CONTRACTOR SHALL PROVIDE A COPY OF THE COMPLETED FORM TO THE ENGINEER AT LEAST TEN (10) WORKING DAYS PRIOR TO THE START OF ANY DEMOLITION AND/OR RENOVATION. THE FORM SALL INCLUDE: 1) THE CONTRACTORS NAME AND ADDRESS, 2) THE SCHEDULED DATES FOR THE START AND COMPLETION OF THE BRIDGE REMOVAL AND 3) A DESCRIPTION OF THE PLANNED DEMOLITION WORK AND THE METHOD(S) TO BE USED. COPIES OF THE OEPA FORM AND BRIDGE INSPECTION REPORT ARE AVAILABLE FOR REVIEW AT THE ODOT DISTRICT 12 OFFICE, 5500 TRANSPORTATION BOULEVARD, GARFIELD HEIGHTS, OHIO 44125.

BASIS FOR PAYMENT - THE CONTRACTOR SHALL FURNISH ALL FEES, LABOR, AND MATERIAL NECESSARY TO COMPLETE AND SUBMIT THE OEPA NOTIFICATION FORM. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN ITEM 202 - PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN.

ITEM 503 - UNCLASSIFIED EXCAVATION

FOR BRIDGES WHERE ITEM SPECIAL - COMPOSITE FIBER WRAP SYSTEM IS SPECIFIED AT THE FIXED PIER, THE ESTIMATED QUANTITY FOR THIS ITEM INCLUDES THE EXCAVATION FROM THE BOTTOM OF THE PROPOSED SUBGRADE TO THE TOP OF THE EXISTING PIER FOOTINGS OR FROM THE TOP OF THE EXISTING GROUND TO THE TOP OF THE EXISTING PIER FOOTINGS, AS REQUIRED TO EXPOSE THE FULL HEIGHT OF THE EXISTING PIER COLUMNS AND PERFORM THE WORK.

ITEM 509 - CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN

REPLACE ALL EXISTING REINFORCING BARS DEEMED BY THE ENGINEER TO BE UNUSABLE BECAUSE OF CORROSION. THE DEPARTMENT WILL MEASURE THE REPLACEMENT CONCRETE REINFORCEMENT BY THE NUMBER OF POUNDS ACCEPTED IN PLACE. REPLACE ALL EXISTING STEEL REINFORCEMENT BARS WHICH ARE TO BE INCORPORATED INTO THE NEW WORK AND ARE DEEMED BY THE ENGINEER TO BE MADE UNUSABLE BY CONCRETE REMOVAL OPERATIONS WITH NEW CONCRETE REINFORCEMENT OF THE SAME SIZE, COATING, AND MATERIAL AT NO COST TO THE DEPARTMENT.

ITEM 509 - EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN

IN ADDITION TO THE PROVISIONS OF ITEM 509, FIELD BEND AND/OR FIELD CUT THE STEEL REINFORCEMENT DESIGNATED IN THE PLANS, AS NECESSARY, IN ORDER TO MAINTAIN THE REQUIRED CLEARANCES AND BAR SPACINGS. REPAIR ALL DAMAGE TO THE EPOXY COATING, AS A RESULT OF THIS WORK, ACCORDING TO C&MS 709.00.

ITEM 512 - REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN

THIS ITEM IS INCLUDED FOR THE REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES TO BE SEALED. AREAS OF CONCRETE REQUIRING PATCHES SHALL NOT BE INCLUDED IN THIS ITEM.

ITEM 512 - TREATING OF CONCRETE BRIDGE DECK WITH SRS
ITEM 512 - TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN

PERFORM SEALING AFTER THE BRIDGE DECK(S) AND APPROACH SLABS HAVE BEEN GROOVED AND BEFORE INSTALLING PAVEMENT MARKINGS AND/OR OPENING THE DECK(S) TO TRAFFIC. THE SEALING PRODUCT (SRS OR GRAVITY FED RESIN) WILL BE DIRECTED BY THE ENGINEER, AND THE OTHER LINE ITEM WILL BE NON-PERFORMED. THE C&MS 104.02 ADJUSTMENT WILL NOT APPLY TO THESE LINE ITEMS. THE INCLUSION OF THESE LINE ITEMS IN DOES NOT WAIVE THE REQUIREMENTS OF C&MS 511.19 TO SEAL CONSTRUCTION JOINTS WITH HMWM.

STRUCTURE GENERAL NOTES

DESIGN AGENCY
Michael Baker INTERNATIONAL

DESIGNER MKB
REVIEWER CDC 04/07/23
PROJECT ID 76779
SHEET P.1348 TOTAL P.1587

CUY-90-06.690

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ITEM 518 - STRUCTURE DRAINAGE, MISC.: CLEAN OUT EXISTING SCUPPERS

THIS ITEM SHALL CONSIST OF REMOVING ALL DIRT AND DEBRIS FROM THE SCUPPER DRAINAGE SYSTEMS AT LOCATIONS SHOWN IN THE PLANS. THE LIMIT OF CLEANUP SHALL EXTEND TO INCLUDE THE DRAINAGE SYSTEM CATCH BASIN.

AFTER ALL DIRT AND DEBRIS ARE REMOVED, THE SYSTEM SHALL BE FLUSHED WITH CLEAN WATER MAKING CERTAIN THE WATER FLOWS SMOOTHLY THROUGH THE ENTIRE DRAINAGE SYSTEM WITH NO OVERFLOW CAUSED BLOCKAGES. THIS ITEM ALSO INCLUDES ALL EQUIPMENT AND MAN POWER NECESSARY TO PROVIDE ACCESS FOR THE ENGINEER TO INSPECT ENTIRE DRAINAGE SYSTEM BEFORE AND AFTER CLEANING.

ALL EQUIPMENT, LABOR, MATERIALS AND INCIDENTALS NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED FOR PAYMENT ON A LUMP SUM BASIS UNDER ITEM 518 - STRUCTURE DRAINAGE, MISC.: CLEAN OUT EXISTING SCUPPERS.

ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN

PRIOR TO THE SURFACE CLEANING SPECIFIED IN C&MS 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED STEEL REINFORCEMENT. ACCEPTABLE METHODS INCLUDE HIGH-PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING. IN ADDITION, NEW PATCHED SURFACES SHALL MATCH EXISTING SURFACE TEXTURES. INCLUDE WITH ITEM 519, PATCHING CONCRETE STRUCTURE, AS PER PLAN FOR PAYMENT.

ITEM 607 - FENCE REMOVED AND REBUILT, AS PER PLAN

THE WORK INCLUDES THE REMOVAL AND SALVAGE OF EXISTING FENCE FABRIC; THE REMOVAL OF EXISTING FENCE POSTS, LINE RAILS, AND ALL EXISTING HARDWARE (INCLUDING COVER PLATE ASSEMBLIES AT THE LIGHT POLES); THE INSTALLATION OF NEW FENCE POSTS, LINE RAILS, AND ALL NEW HARDWARE (INCLUDING COVER PLATE ASSEMBLIES AT LIGHT POLES); AND THE REINSTALLATION OF THE EXISTING FENCE FABRIC. AT THE CONTRACTOR'S OPTION, NEW BLACK (FEDERAL COLOR 595B-17038) FENCE FABRIC MAY BE FURNISHED IN LIEU OF SALVAGING AND REINSTALLING THE EXISTING FENCE FABRIC. THE CONTRACTOR SHALL EXERCISE CARE IN THE REMOVAL OF EXISTING FENCE POSTS TO NOT DAMAGE THE EXISTING EMBEDDED ANCHOR BOLTS.

THE CONTRACTOR SHALL FIELD MEASURE THE EXISTING POST SPACINGS AND MATCH THEM WITH THE NEW FENCE INSTALLATION. THE CONTRACTOR SHALL ALSO FIELD VERIFY DIMENSIONS OF THE EXISTING FENCE POST BASE PLATE ASSEMBLIES. THE ANCHOR BOLT HOLE PATTERN OF THE NEW FENCE POST BASE PLATE ASSEMBLIES SHALL MATCH THAT OF THE EXISTING FENCE IN ORDER TO REUSE THE EXISTING ANCHOR BOLTS. ALL OTHER DETAILS OF THE NEW FENCE SHALL BE IN ACCORDANCE WITH STANDARD DRAWING VPF-1-24, POST SECTION PS-2 WITH BP-1 BASE PLATES. THE NEW HARDWARE SHALL BE PAINTED BLACK (FEDERAL COLOR 595B-17038).

THE CONTRACTOR SHALL PERFORM THE WORK IN SUCH A MANNER THAT THE FENCING IS IN PLACE AND SECURE AT THE COMPLETION OF EACH WORK DAY. TEMPORARY FENCING SHALL BE INSTALLED WHERE PERMANENT FENCING IS NOT COMPLETE.

PAYMENT FOR ALL OF THE ABOVE WORK SHALL BE AT THE UNIT PRICE BID PER FOOT FOR ITEM 607 - FENCE REMOVED AND REBUILT, AS PER PLAN, AND SHALL INCLUDE LABOR, EQUIPMENT, MATERIALS, DISPOSALS AND INCIDENTALS NECESSARY TO COMPLETE THE WORK.

ITEM SPECIAL - STRUCTURES, TIMBER SUBDECK

THIS ITEMS IS SPECIFIC TO SFN 1808273 (CUY-00090-10.940) AND INCLUDES THE FOLLOWING:

DESCRIPTION:
THIS ITEM SHALL CONSIST OF FURNISHING, CUTTING, FITTING, PLACING AND ERECTING OF TIMBER, AND THE FURNISHING AND INSTALLING OF ALL NECESSARY HARDWARE AS SPECIFIED OVER THE TRAVELED LANES, AS WELL AS PAVED SHOULDERS, AS INDICATED IN THE PLANS.

MATERIALS:
TIMBER BEAMS SHALL CONFORM TO CMS 711.26 AND SHALL BE DOUGLAS FIR LARCH GRADE 2 OR BETTER. PRESERVATIVE TREATMENT FOR TIMBER BEAMS SHALL CONFORM TO CMS 712.06.

THE TIMBER PLYWOOD SHEETING SHALL BE CDX - 3/4" THICK DOUGLAS FIR PLYWOOD OR BETTER. ALL TRANSVERSE EDGES OF THE PLYWOOD SHALL BE SUPPORTED BY THE TIMBER BEAMS. THE BOLTS SHALL BE ASTM A449 - TYPE 1 OR SAE J429 - GRADE 5, 3/8" DIAMETER GALVANIZED BOLTS WITH GALVANIZED FENDER WASHERS AND LOCK NUTS. SPACING OF THE BOLTS SHALL BE A MAXIMUM OF 2 FOOT SPACING.

WOOD SCREWS SHALL BE GALVANIZED 3" LONG #10 FASTENERS SPACED AT 2 FOOT MAXIMUM, UNLESS OTHERWISE NOTED.

GENERAL:
FIELD MEASUREMENTS SHALL BE TAKEN BEFORE ANY FABRICATION IS PERFORMED.

METHOD OF MEASUREMENT:
THE PAYMENT FOR THIS ITEM SHALL BE SQUARE FOOTAGE IN PLACE AND ACCEPTED. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE TIMBER SUBDECKS. PAYMENT SHALL BE MADE UNDER ITEM SPECIAL - STRUCTURES, TIMBER SUBDECK. ALL COSTS FOR MAINTAINING TRAFFIC REQUIRED FOR THE SUBDECK INSTALLATION SHALL BE INCLUDED FOR PAYMENT WITH ITEM 614.

ITEM 625 - STRUCTURE GROUNDING SYSTEM, AS PER PLAN

THIS ITEM IS SPECIFIC TO SFN 1808540 (CUY-00090-07.450), SFN 1808621 (CUY-00090-08.100) AND SFN 1808478 (CUY-00090-12.010). THIS WORK INCLUDES THE FOLLOWING:

PERFORM ALL WORK PER ITEM 625 WITH THE FOLLOWING EXCEPTIONS. THIS ITEM IS INTENDED TO RE-GROUND THE STRUCTURE USING THE EXISTING GROUNDING SYSTEM WHICH HAS BECOME DETACHED FROM THE EXISTING PIER/ABUTMENT. WHERE POSSIBLE AND WITH THE APPROVAL OF THE ENGINEER RE-USE THE EXISTING SYSTEM AND REATTACH IT TO THE PIER COLUMN. IF THE EXISTING SYSTEM IS DEEMED UNUSABLE BY THE ENGINEER REMOVE AND REPLACE IT IN KIND AT NO ADDITIONAL COST TO THE STATE. ALL EQUIPMENT, LABOR, MATERIALS AND INCIDENTALS NECESSARY TO PERFORM THE ABOVE WORK SHALL BE INCLUDED FOR PAYMENT AT THE CONTRACT PRICE FOR EACH UNDER ITEM 625 - STRUCTURE GROUNDING SYSTEM, AS PER PLAN.

ITEM SPECIAL - COMPOSITE FIBER WRAP SYSTEM

THIS ITEM IS SPECIFIC TO ALL STRUCTURES RECEIVING FIBER WRAPPING. PERFORM ALL WORK PER PN 519 07/21/2017 - COMPOSITE FIBER WRAP SYSTEM AND PER THE MANUFACTURER'S REQUIREMENTS. REMOVAL OF ALL EXISTING BOND-INHIBITING MATERIALS, INCLUDING EXISTING CONCRETE SEALER, IS CONSIDERED INCIDENTAL TO THIS ITEM.

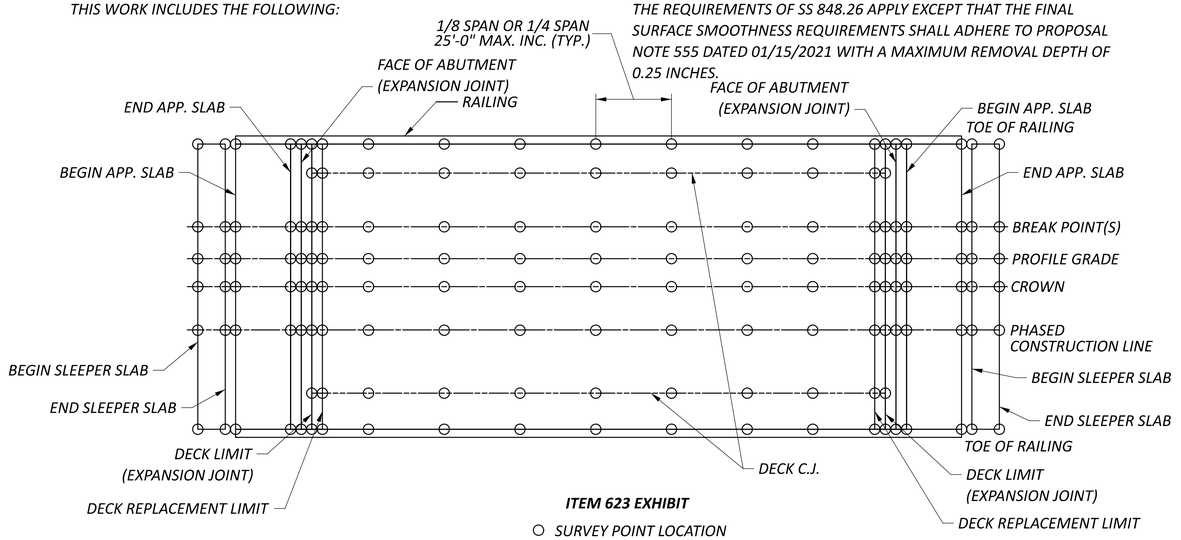
FOR THE FIXED PIER LOCATIONS AT THE FOLLOWING STRUCTURES, THE CONFINING STRESS DUE TO THE FRP JACKET SHALL BE 0.15 KSI FOR THE ENTIRE HEIGHT OF THE COLUMN FROM TOP OF FOOTING TO THE BOTTOM OF THE PIER CAP.

SFN 1808516, CUY-00020-0847
SFN 1808540, CUY-00090-0754
SFN 1808656, CUY-00090-0834
SFN 1808060, CUY-00090-0849
SFN 1808249, CUY-00090-1062
SFN 1808265, CUY-00090-1082
SFN 1808273, CUY-00090-1094
SFN 1808303, CUY-00090-1110

COATING SYSTEM APPLICATION: A FINAL URETHANE TOP COATING IS REQUIRED. THE URETHANE TOP COAT WILL BE PAID FOR UNDER ITEM SPECIAL - URETHANE TOP COAT SEALER.

ITEM 848 - SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION (1 ½", 2 ¼", 2 ½" OR 3 ¾") THICK, AS PER PLAN

THE REQUIREMENTS OF SS 848.26 APPLY EXCEPT THAT THE FINAL SURFACE SMOOTHNESS REQUIREMENTS SHALL ADHERE TO PROPOSAL NOTE 555 DATED 01/15/2021 WITH A MAXIMUM REMOVAL DEPTH OF 0.25 INCHES.



ITEM 623 EXHIBIT

NOTE: EXHIBIT NOT REPRESENTATIVE OF ALL LOCATIONS. BRIDGES HAVE VARYING CROWN POSITIONS AND NUMBERS OF BREAK POINTS.

ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS IN ITEM 623 AND ITEM 623 GENERAL NOTE ON SHEET P.0052, THE FOLLOWING REQUIREMENTS APPLY:

BRIDGES NO. CUY-00090-07.580, CUY-00090-09.700 L/R, CUY-00090-09.910 L/R:

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN ALL EXISTING PAVEMENT ELEVATIONS THROUGH THE BRIDGE AND APPROACH SLAB LIMITS AS REQUIRED IN THE PLANS. BRIDGE DECKS SHALL BE SURVEYED AT 1/8 SPAN AND/OR ¼ SPAN INCREMENTS, NOT TO EXCEED 25' AND AT CRITICAL POINTS, INCLUDING, BUT NOT LIMITED TO: BEGIN/END SLEEPER SLABS (TYPE C ONLY), BEGIN/END ABUTMENT SLABS, BEGIN/END APPROACH SLABS AND EXPANSION JOINTS. ELEVATIONS SHALL BE TAKEN ALONG TOES OF RAILINGS, PAVEMENT CROWN, DECK CONSTRUCTION JOINTS, PROFILE GRADE, BREAK POINTS AND AT PHASED CONSTRUCTION LINES. THE CONTRACTOR SHALL ESTABLISH THE STATIONS AND OFFSETS OF THE CRITICAL POINTS FOR EACH APPROACH SLAB, SLEEPER SLAB, AND SPAN. REFER TO EXHIBIT ON THIS SHEET AND FINISHED DECK AND SCREED ELEVATION SHEETS. PRIOR TO ITEM 202/848 REMOVALS AND FABRICATION FOR ITEM 516 – STRUCTURAL STEEL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, THE CONTRACTOR SHALL SUBMIT PARTIALLY COMPLETED TABLES WITH STATION, OFFSET AND SURVEYED ELEVATION DATA. ITEM 202/848 REMOVALS AND FABRICATION FOR ITEM 516 – STRUCTURAL STEEL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL SHALL NOT BEGIN UNTIL AUTHORIZED BY THE ENGINEER. ALLOW FIVE (5) BUSINESS DAYS FOR THIS REVIEW IN THE SCHEDULE. PROPOSED TOP OF PAVEMENT ELEVATIONS SHALL MATCH FIELD MEASUREMENTS OR AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED IN THE PLANS.

BRIDGE NO. CUY-0090-09.470 L/R:

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN BOTTTOM OF BEAM ELEVATIONS, ALL EXISTING PAVEMENT ELEVATIONS THROUGH THE BRIDGE AND APPROACH SLAB LIMITS AS REQUIRED IN THE PLANS. BRIDGE DECKS SHALL BE SURVEYED AT 1/8 SPAN AND/OR ¼ SPAN INCREMENTS, NOT TO EXCEED 25' AND AT CRITICAL POINTS, INCLUDING, BUT NOT LIMITED TO: BEGIN/END SLEEPER SLABS (TYPE C ONLY), BEGIN/END ABUTMENT SLABS, BEGIN/END APPROACH SLABS AND EXPANSION JOINTS. ELEVATIONS SHALL BE TAKEN ALONG TOES OF RAILINGS, PAVEMENT CROWN, DECK CONSTRUCTION JOINTS, PROFILE GRADE, BREAK POINTS AND AT PHASED CONSTRUCTION LINES. BOTTOM OF BEAM ELEVATIONS SHALL BE TAKEN AT 1/8 SPAN AND/OR ¼ SPAN INCREMENTS, MATCHING TOP OF DECK LOCATIONS. THE CONTRACTOR SHALL ESTABLISH THE STATIONS AND OFFSETS OF THE CRITICAL POINTS FOR EACH APPROACH SLAB, SLEEPER SLAB, AND SPAN. REFER TO EXHIBIT ON THIS SHEET AND FINISHED DECK AND SCREED ELEVATION SHEETS. PRIOR TO ITEM 202 DECK REMOVALS, THE CONTRACTOR SHALL SUBMIT PARTIALLY COMPLETED TABLES WITH STATION, OFFSET AND SURVEYED ELEVATION DATA. ITEM 202 DECK REMOVALS SHALL NOT BEGIN UNTIL AUTHORIZED BY THE ENGINEER. ALLOW FIVE (5) BUSINESS DAYS FOR THIS REVIEW IN THE SCHEDULE. FOLLOWING ITEM 202 DECK REMOVALS, THE CONTRACTOR SHALL AGAIN SUBMIT PARTIALLY COMPLETED TABLES WITH MEASURED REBOUNDS AND PROPOSED SCREED ELEVATIONS. ALLOW FIVE (5) BUSINESS DAYS FOR THIS REVIEW IN THE SCHEDULE. ITEM 511 DECK PLACEMENTS SHALL NOT BEGIN UNTIL AUTHORIZED BY THE ENGINEER. UPON PLACEMENT OF NEW DECK AS DETAILED IN THE PLANS, SURVEY FINAL DECK ELEVATIONS AT CRITICAL LOCATIONS. SUBMIT PARTIALLY COMPLETED TABLES WITH FINAL DECK LEVATIONS. ALLOW FIVE (5) BUSINESS DAYS FOR THIS REVIEW IN THE SCHEDULE. ITEM 848 REMOVALS AND OVERLAY PLACEMENT SHALL NOT BEGIN UNTIL AUTHORIZED BY THE ENGINEER. PROPOSED TOP OF PAVEMENT ELEVATIONS SHALL MATCH FIELD MEASUREMENTS OR AS DIRECTED BY THE ENGINEER, UNLESS OTHERWISE NOTED IN THE PLANS.

CONTRACTOR SHALL BE AWARE THAT THERE ARE VARYING CURVATURES AND SKEWS ON MOST OF THE MAINLINE STRUCTURES. THIS ITEM SHALL INCLUDE ALL LABOR, MATERIALS AND INCIDENTALS TO PROVIDE SURVEY AS NOTED HEREIN AND SUFFICIENT DOCUMENTATION TO RECREATE ELEVATIONS AND COMPLETE THE FINISHED DECK AND SCREED ELEVATION TABLES FOR PROPOSED WORK. WORK SHALL BE PAID FOR UNDER ITEM 623 - CONSTRUCTION LAYOUT STAKES AND SURVEYING, AS PER PLAN.

STRUCTURE GENERAL NOTES

DESIGN AGENCY
Michael Baker INTERNATIONAL

DESIGNER MKB
REVIEWER CDC 04/07/23
PROJECT ID 76779
SHEET P.1350 TOTAL P.1587

CUY-90-06.690

MODEL: Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 4/11/2025 TIME: 8:39:24 AM USER: Alexandria.Summers
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ESTIMATED QUANTITIES

PARTICIPATION 02/IMS/13	PARTICIPATION 03/IMS/13	ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REAR ABUTMENT	PIERS	FORWARD ABUTMENT	SUPER.	GENERAL	SHEET REF.
	LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					LS	2
	427	202	22900	427	SY	APPROACH SLAB REMOVED					427	
	11995	202	23500	11995	SY	WEARING COURSE REMOVED					11995	
R4	174	503	21100	174	CY	UNCLASSIFIED EXCAVATION	174					
	81011	509	10001	81011	LB	EPOXY COATED STEEL REINFORCEMENT, AS PER PLAN	31761		31761		18792	2
	800	509	20001	800	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN				800		
	192	510	10000	192	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT					192	
R7	56	511	34412	56	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE				56		
	85	511	34450	85	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	11		11	39	24	
R3	24	511	44112	24	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING	12		12			
	218	511	53012	218	CY	CLASS QC2 CONCRETE, MISC.: ABUTMENT SLABS WITH QA/QC	109		109			1
	195	512	10050	195	SY	APPROACH SLAB AREA - LEFT REAR				12239	1072	
	4036	512	10100	4036	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	189		189	3510	149	
R7	927	512	10300	927	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	7		7	895	18	
	1299	512	10400	1299	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS				211	1088	
	1299	512	73500	1299	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN				211	1088	
	10701	513	10200	10701	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF				10701		
	15611	513	21501	15611	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN				15611		2, 16
	LS	513	95020	LS		STRUCTURAL STEEL, MISC.: GIRDER SPLICE REPAIR				LS		16
	566	514	00050	566	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL				566		
	566	514	00056	566	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT				566		
	3481	514	00060	3481	SF	FIELD PAINTING OF STRUCTURAL STEEL, INTERMEDIATE COAT				3481		
	3481	514	00066	3481	SF	FIELD PAINTING OF STRUCTURAL STEEL, FINISH COAT				3481		
	LS	514	27800	LS		FIELD PAINTING, MISC.: COATING SYSTEM REPAIR				LS		3
	288	516	11210	288	FT	STRUCTURAL STEEL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL				288		
	87	516	13600	87	SF	1" PREFORMED EXPANSION JOINT FILLER					87	
	72	SPECIAL	51614010	72	FT	POURED POLYURETHANE JOINT SEAL				72		
	72	516	14600	72	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC: 5"X5" PRECOMPRESSED BITUMEN IMPREGNATED FOAM JOINT SEAL				72		
	4	516	46201	4	EA	BEARING DEVICE, ROCKER, AS PER PLAN	2		2			15
	LS	516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE				LS		
	8	518	12500	8	EACH	SCUPPER, MISC: PLUG AND FILL EXISTING SCUPPER					8	3
	39	518	21200	39	EACH	POROUS BACKFILL WITH GEOTEXTILE FABRIC	39					
	144	518	40000	144	EACH	6" PERFORATED CORRUGATED PLASTIC PIPE	144					
	92	518	40010	92	EACH	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	92					
	23	519	11101	23	EACH	PATCHING CONCRETE STRUCTURE, AS PER PLAN	16		7		SF	
	623	526	15010	623	EACH	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=13")					623	
	280	526	90010	280	EACH	TYPE A INSTALLATION					280	
	2	SPECIAL	53000400	2	EACH	STRUCTURES, ACCESS DOOR ASSEMBLY					2	
	61	601	20010	61	EACH	CRUSHED AGGREGATE SLOPE PROTECTION	61					
	126	607	35001	126	EACH	FENCE REMOVED AND REBUILT, AS PER PLAN				126		3
	92	611	96600	92	EACH	CONDUIT, BORED OR JACKED, 6", 707.45	92					
	4	611	99710	4	EACH	PRECAST REINFORCED CONCRETE OUTLET	4					
	60	613	41200	60	EACH	LOW STRENGTH MORTAR BACKFILL	60					
	104	838	20700	104	EACH	GABIONS	104					
	832	844	10001	832	EACH	CONCRETE PATCHING WITH GALVANIC ANODE PROTECTION, AS PER PLAN	468		364			3
	12239	848	10201	12239	EACH	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION 1 ½" INCH THICK, AS PER PLAN				12239		3
	12239	848	20000	12239	EACH	SURFACE PREPARATION USING HYDRODEMOLITION				12239		
	123	848	30200	123	EACH	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY				123		
	241	848	50000	241	EACH	HAND CHIPPING				241		
	LS	848	50100	LS	EACH	TEST SLAB					LS	
	12239	848	50320	12239	EACH	EXISTING CONCRETE OVERLAY REMOVED,1 ¼" NOMINAL THICKNESS				12239		
	100	848	50340	100	EACH	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY				100		

CALCULATED BY: SSW DATE: 04/05/23
CHECKED BY: CDC DATE: 04/05/23

ESTIMATED QUANTITIES
BRIDGE NO.: CUY-00090-07.580
IR 90 OVER ROCKY RIVER VALLEY

SFN 1808567
DESIGN AGENCY Michael Baker INTERNATIONAL
DESIGNER SSW | CHECKER MKB
REVIEWER CDC 04/07/23
PROJECT ID 76779
SUBSET 2 | TOTAL 28
SHEET P.1361 | TOTAL P.1587

CUY-90-06.690

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CALCULATED BY: DAF DATE: 04/05/23
CHECKED BY: CDC DATE: 04/05/23

ESTIMATED QUANTITIES

PARTICIPATION 02/IMS/13	PARTICIPATION 03/IMS/13	ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REAR ABUTMENT	PIERS	FORWARD ABUTMENT	SUPER.	GENERAL	SHEET REF.
LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					LS	4, 5, 13, 15, 17, 19, 1348 / 1587
534		202	22900	534	SY	APPROACH SLAB REMOVED					534	
149010		509	10000	149010	LB	EPOXY COATED STEEL REINFORCEMENT				149010		
11934		509	30020	11934	FT	NO. 4 DEFORMED GFRP REINFORCEMENT				11934		
509		510	10000	509	EA	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT					509	
311		511	34412	311	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE				311		
125		511	34450	125	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				125		
3160		512	10050	3160	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				2361	799	
827		512	10100	827	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				827		
~~329~~		~~512~~	~~10300~~	~~329~~	~~SY~~	~~SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN~~				~~262~~	~~67~~	
1616		512	10400	1616	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS				765	851	
1616		512	73500	1616	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN				765	851	
49		519	11101	49	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN			49			3
797		526	25010	797	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")					797	
294		526	90030	294	FT	TYPE C INSTALLATION					294	
620		607	39900	620	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC				620		
1134		848	10201	1134	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 3 ¾" INCH THICK, AS PER PLAN				1134		1350 / 1587
1227		848	10201	1227	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION, 2 ¾" INCH THICK, AS PER PLAN				1227		1350 / 1587
2361		848	20000	2361	SY	SURFACE PREPARATION USING HYDRODEMOLITION				2361		
20		848	30200	20	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY				20		
35		848	50000	35	SY	HAND CHIPPING				35		
LS		848	50100	LS		TEST SLAB					LS	
1134		848	50320	1134	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 ½" NOMINAL THICKNESS				1134		
1134		848	50320	1134	SY	EXISTING CONCRETE OVERLAY REMOVED, 2 ½" NOMINAL THICKNESS				1134		
100		848	50340	100	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY				100		

ESTIMATED QUANTITIES
BRIDGE NO.: CUY-00090-09.470 L/R
IR 90 OVER W 140TH ST

SFN 1808176
SFN 1808184
DESIGN AGENCY Michael Baker INTERNATIONAL
DESIGNER DAF | CHECKER MKB
REVIEWER CDC 04/07/23
PROJECT ID 76779
SUBSET 2 | TOTAL 21
SHEET P.1411 | TOTAL P.1587

CUY-90-06.690

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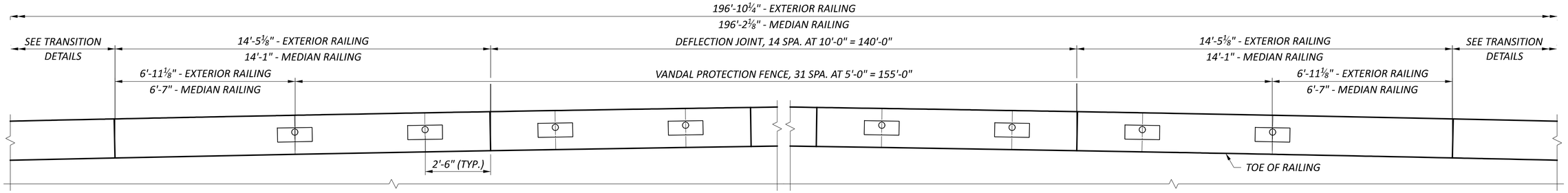
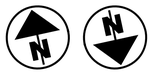
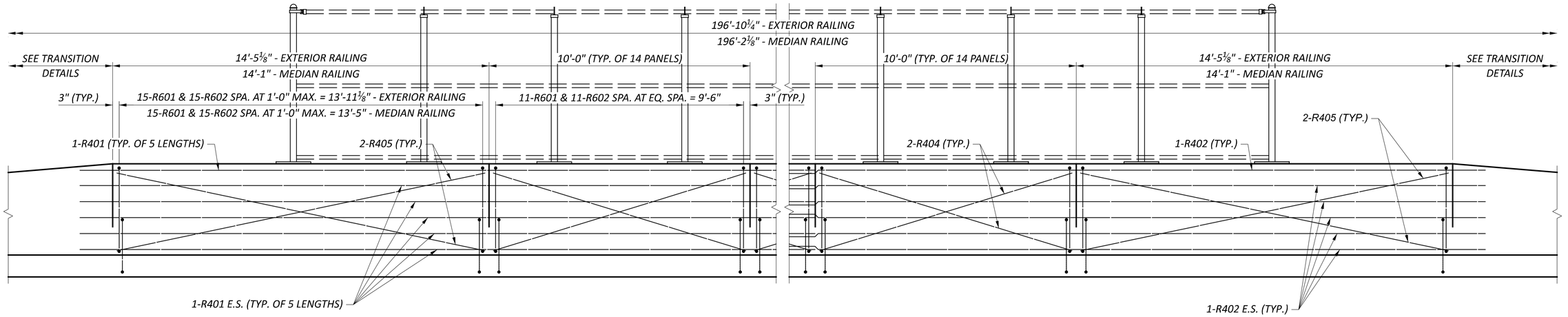


PARTIAL PLAN - LEFT

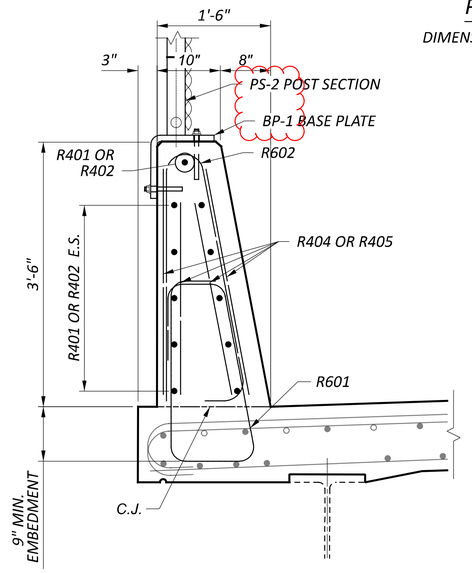
DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



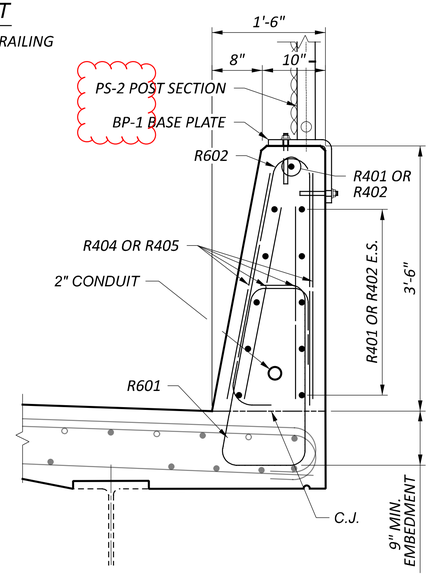


PARTIAL ELEVATION - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



EXTERIOR RAILING SECTION



MEDIAN RAILING SECTION

NOTES:

1. FOR ADDTIONAL DETAILS SEE STANDARD DRAWINGS SBR-1-20 AND VPF-1-90.
2. MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1".

RAILING DETAILS - LEFT
BRIDGE NO.: CUY-00090-09.470 L/R
IR 90 OVER W 140TH ST

SFN	1808176
SFN	1808184
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	6
TOTAL	21
SHEET	P.1415
TOTAL	P.1587

CUY-90-06.690

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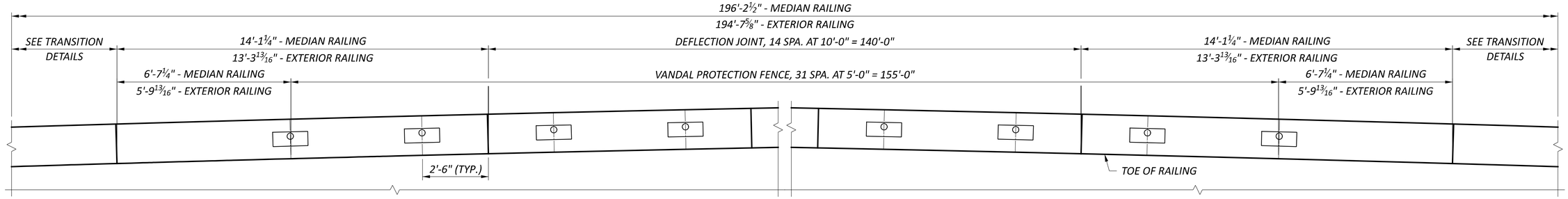
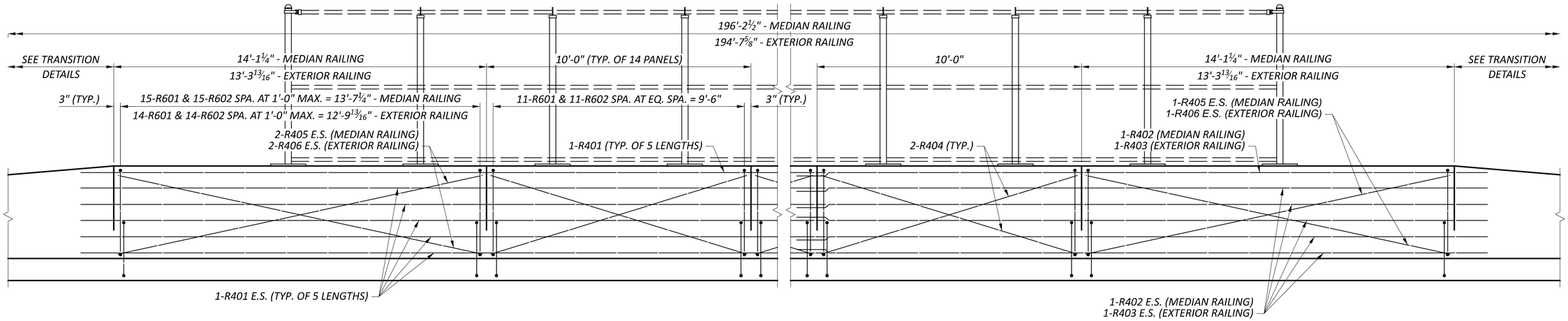


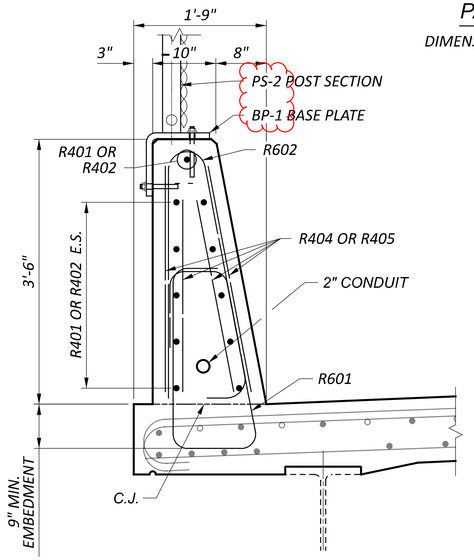
PARTIAL PLAN - RIGHT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING

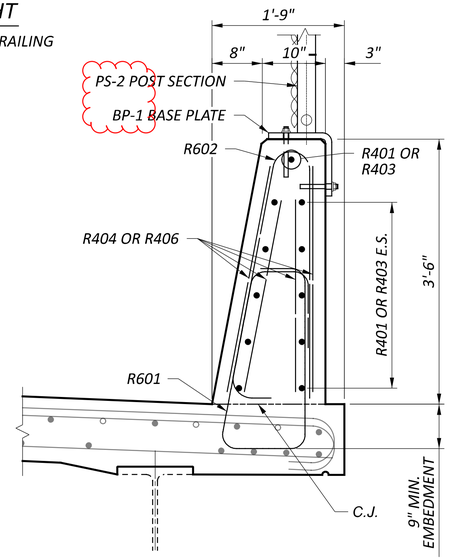


PARTIAL ELEVATION - RIGHT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



MEDIAN RAILING SECTION



EXTERIOR RAILING SECTION

NOTES:

1. *SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.*
2. *MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1"*

RAILING DETAILS - RIGHT
BRIDGE NO.: CUY-00090-09.470 L/R
IR 90 OVER W 140TH ST

SFN	1808176
SFN	1808184
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	7
TOTAL	21
SHEET	P.1416
TOTAL	P.1587

CUY-90-06.690

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CALCULATED BY: DAF DATE: 04/05/23
CHECKED BY: CDC DATE: 04/05/23

ESTIMATED QUANTITIES

PARTICIPATION 02/IMS/13	PARTICIPATION 03/IMS/13	ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REAR ABUTMENT	PIERS	FORWARD ABUTMENT	SUPER.	GENERAL	SHEET REF.
LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					LS	3, 4, 11, 12, 1348 / 1587
1146		202	22900	1146	SY	APPROACH SLAB REMOVED					1146	
139044		509	10000	139044	LB	EPOXY COATED STEEL REINFORCEMENT				139044		
43262		509	30020	43262	FT	NO. 4 DEFORMED GFRP REINFORCEMENT				43262		
212		510	10000	212	EA	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	184		28			
227		511	34412	227	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE				227		
444		511	34450	444	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				410	34	
12909		512	10050	12909	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				11949	960	
2981		512	10100	2981	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)				2776	205	
794		512	10300	794	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				732	62	
1206		512	10400	1206	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	24		20	218	944	
1206		512	73500	1206	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	24		20	218	944	
17050		513	21501	17050	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES, AS PER PLAN				17050		5, 6
2474		514	00060	2474	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, INTERMEDIATE COAT				2474		
2474		514	00066	2474	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, FINISH COAT				2474		
LS		514	27800	LS		FIELD PAINTING, MISC.: COATING SYSTEM REPAIR				LS		
323		516	11210	323	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL				323		
LS		518	63300	LS		STRUCTURE DRAINAGE MISC.: CLEAN EXISTING SCUPPERS					LS	
476		526	25010	476	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")					476	
482		526	30010	482	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")					482	
323		526	90010	323	FT	TYPE A INSTALLATION					323	
2580		607	39900	2580	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC				2580		
11949		848	10201	11949	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION 3 ¾" INCH THICK, AS PER PLAN				11949		1350 / 1587
11949		848	20000	11949	SY	SURFACE PREPARATION USING HYDRODEMOLITION				11949		
7		848	30200	7	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY				7		
13		848	50000	13	SY	HAND CHIPPING				13		
LS		848	50100	LS		TEST SLAB					LS	
11949		848	50320	11949	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 ½" NOMINAL THICKNESS				11949		
100		848	50340	100	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY				100		

ESTIMATED QUANTITIES
BRIDGE NO.: CUY-00090-09.700 L/R
IR 90 OVER JOSLYN RD, NORFOLK SOUTHERN, AND GCRTA

SFN 1808141
SFN 1808206
DESIGN AGENCY
Michael Baker INTERNATIONAL
DESIGNER DAF | CHECKER MKB
REVIEWER CDC 04/07/23
PROJECT ID 76779
SUBSET 2 | TOTAL 25
SHEET P.1432 | TOTAL P.1587

CUY-90-06.690

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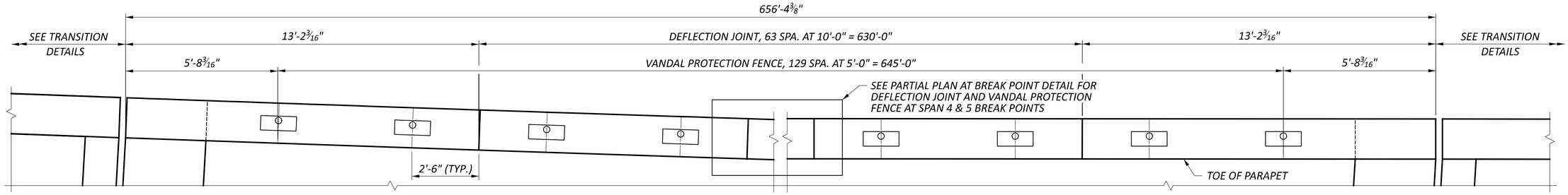
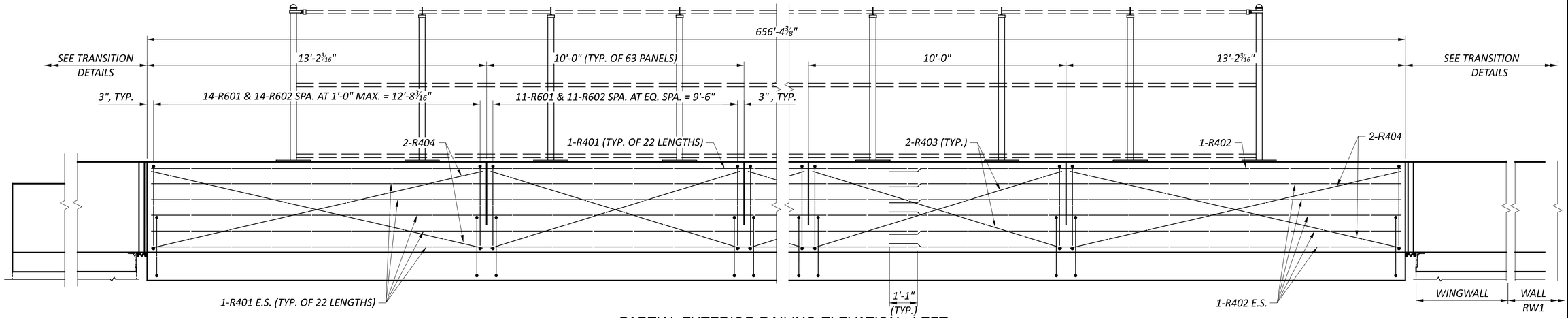


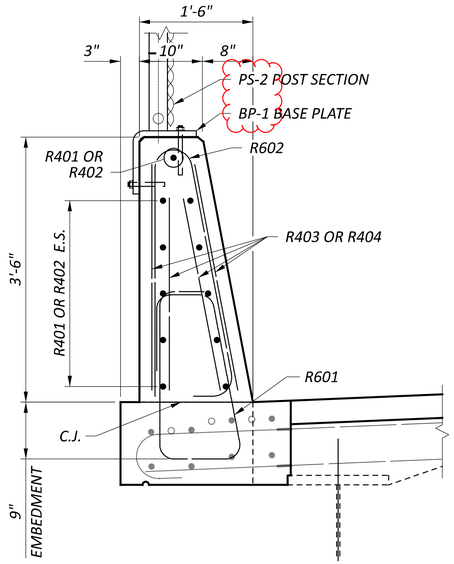
PARTIAL EXTERIOR RAILING PLAN - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING

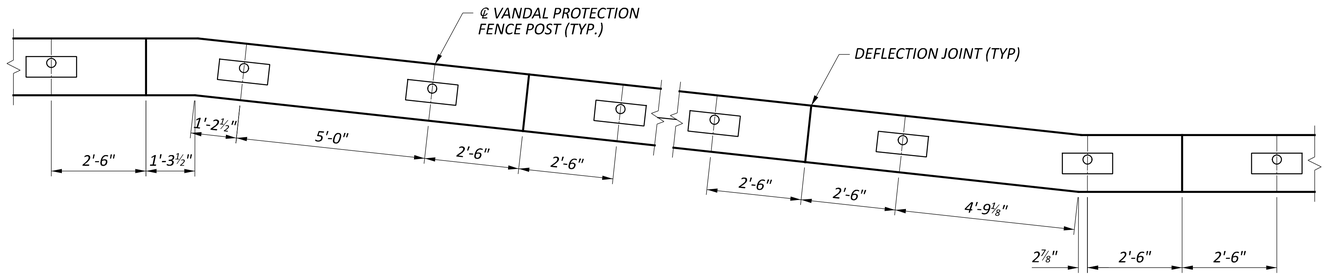


PARTIAL EXTERIOR RAILING ELEVATION - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



LEFT EXTERIOR RAILING SECTION



PARTIAL PLAN AT BREAK POINTS DETAIL

NOTES:

1. *SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.*
2. *MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1".*

EXTERIOR RAILING DETAIL - LEFT

BRIDGE NO.: CUY-00090-09.700 L/R

IR 90 OVER JOSLYN RD, NORFOLK SOUTHERN, AND GCRTA

SFN	1808141
SFN	1808206
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	7
TOTAL	25
SHEET	P.1437
TOTAL	P.1587

CUY-90-06.690

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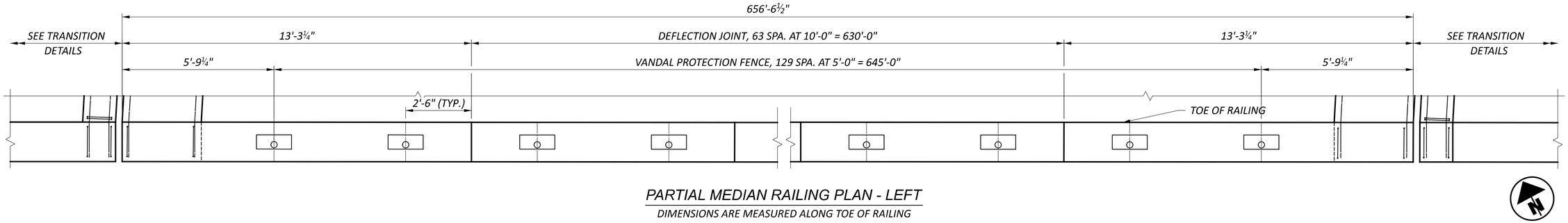
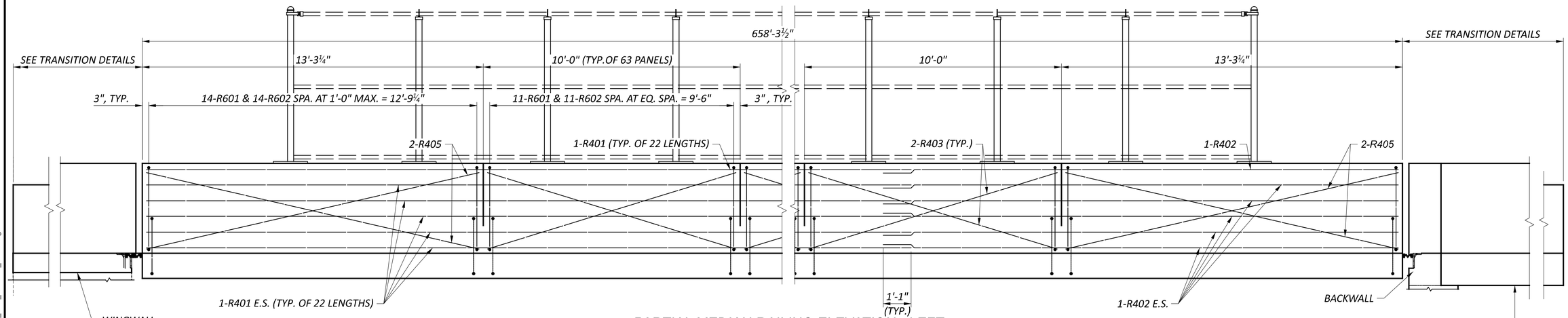


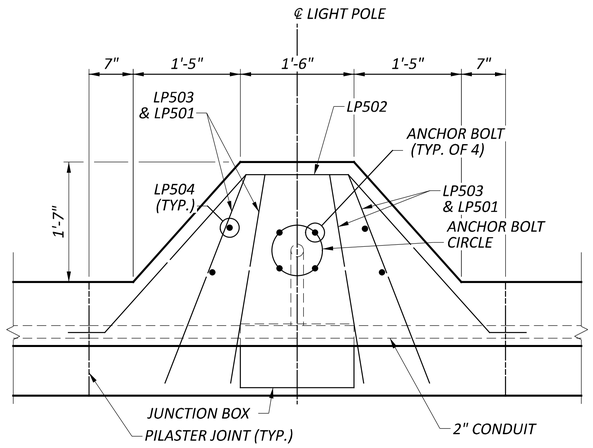
PARTIAL MEDIAN RAILING PLAN - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



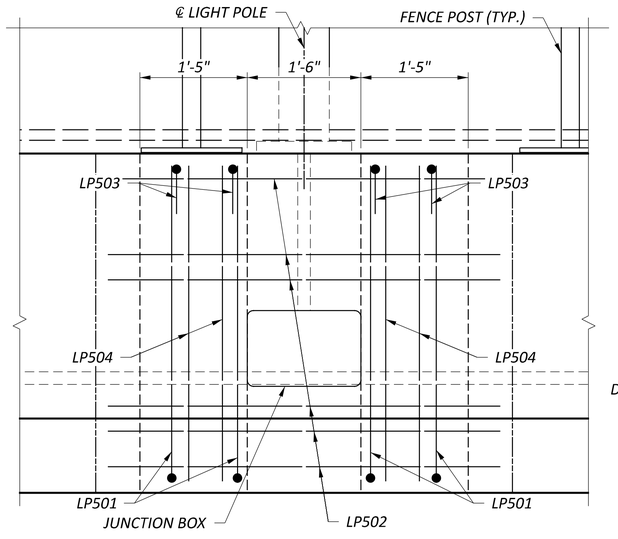
PARTIAL MEDIAN RAILING ELEVATION - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



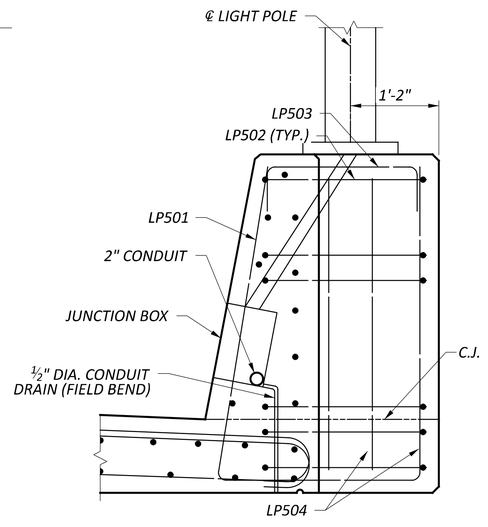
LIGHT POLE PARTIAL PLAN

STA. 686+40.00 (LEFT BRIDGE, MEDIAN RAIL)
STA. 688+97.18 (LEFT BRIDGE, MEDIAN RAIL)
STA. 686+72.05 (RIGHT BRIDGE, MEDIAN RAIL)
STA. 688+94.30 (RIGHT BRIDGE, MEDIAN RAIL)
RAILING BARS NOT SHOWN FOR CLARITY

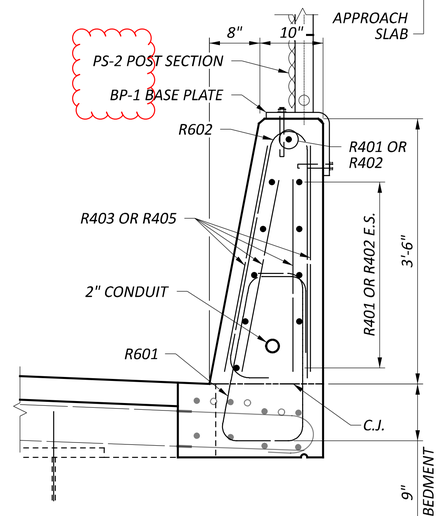


LIGHT POLE PARTIAL ELEVATION

RAILING BARS NOT SHOWN FOR CLARITY



PILASTER SECTION



LEFT MEDIAN RAILING SECTION

NOTES:

1. *SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.*
2. *MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1"*

MEDIAN RAILING DETAILS - LEFT
BRIDGE NO.: CUY-00090-09.700 L/R
IR 90 OVER JOSLYN RD, NORFOLK SOUTHERN, AND GCRTA

CUY-90-06.690

SFN	1808141
SFN	1808206
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	8
TOTAL	25
SHEET	P.1438
TOTAL	P.1587

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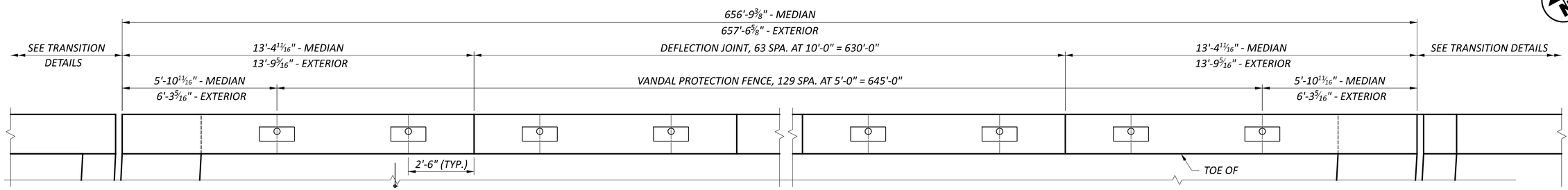
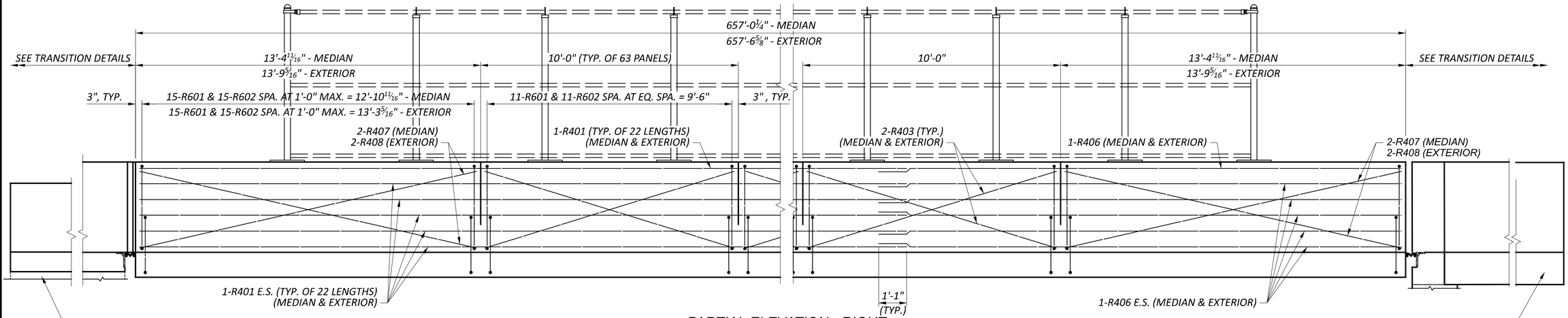


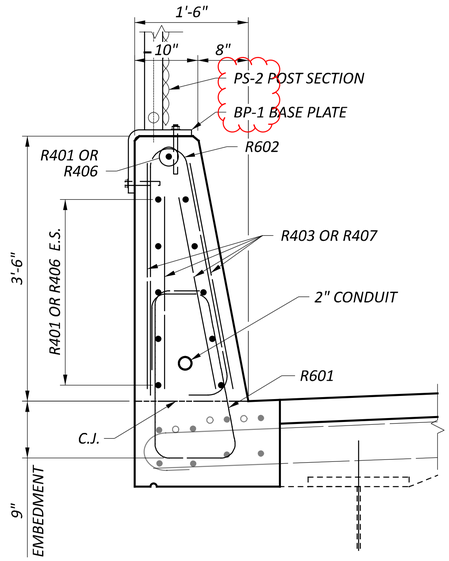
PARTIAL PLAN - RIGHT

MEDIAN SHOWN, EXTERIOR SIMILAR
DIMENSIONS ARE MEASURED ALONG TOE OF RAILING

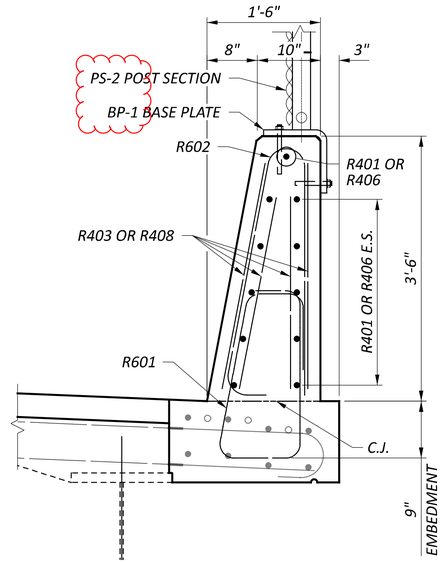


PARTIAL ELEVATION - RIGHT

MEDIAN SHOWN, EXTERIOR SIMILAR
DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



RIGHT MEDIAN RAILING SECTION



RIGHT EXTERIOR RAILING SECTION

NOTES:

1. *SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.*
2. *MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1"*
3. *SEE 8 / 25 FOR LIGHT POLE DETAILS AND LOCATION.*

RAILING DETAILS - RIGHT

BRIDGE NO.: CUY-00090-09.700 L/R
IR 90 OVER JOSLYN RD, NORFOLK SOUTHERN, AND GCRTA

SFN	1808141
SFN	1808206
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	9
TOTAL	25
SHEET	P.1439
TOTAL	P.1587

CUY-90-06.690

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CALCULATED BY: SSW DATE: 04/05/23
CHECKED BY: CDC DATE: 04/05/23

ESTIMATED QUANTITIES

PARTICIPATION 02/IMS/13	PARTICIPATION 03/IMS/13	ITEM	EXTENSION	QUANTITY	UNIT	DESCRIPTION	REAR ABUTMENT	PIERS	FORWARD ABUTMENT	SUPER.	GENERAL	SHEET REF.
LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					LS	3, 8, 10, 11, 1348 / 1587
957		202	22900	957	SY	APPROACH SLAB REMOVED					957	
LS		503	11101	LS		COFFERDAMS AND EXCAVATION BRACING					LS	
LS		503	21300	LS		UNCLASSIFIED EXCAVATION						
64420		509	10000	64420	LB	EPOXY COATED STEEL REINFORCEMENT	110		220	62160	1930	
8479		509	30020	8479	FT	NO. 4 DEFORMED GFRP REINFORCEMENT				7433	1046	
274		510	10000	274	EA	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	70		92		112	
4		511	33500	4	EA	SEMI-INTEGRAL DIAPHRAGM GUIDE	2		2			
347		511	34412	347	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE				347		
67		511	34450	67	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)				52	15	
3		511	45712	3	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	1		2			
2039		512	10050	2039	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)				1329	710	
1756		512	10100	1756	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	466		567	591	132	
122		512	10300	122	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN				95	27	
981		512	74001	981	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES, AS PER PLAN	421		560			1350 / 1587
1043		512	10400	1043	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS	59		59	19	906	
1043		512	73500	1043	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN	59		59	19	906	
2080		514	27700	2080	SF	FIELD PAINTING, MISC: COATING OF BEAM ENDS					2080	1349
LS		514	27800	LS		FIELD PAINTING, MISC: COATING SYSTEM REPAIR					LS	
128		516	13600	128	SF	1" PREFORMED EXPANSION JOINT FILLER					128	
248		516	13900	248	SF	2" PREFORMED EXPANSION JOINT FILLER				248		
33		516	14600	33	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: COMPRESSED FOAM JOINT SEAL				33		
1043		516	25000	1043	SF	NYLON REINFORCED NEOPRENE SHEETING				1043		
32		516	44200	32	EA	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), 3.023" THICK	16		16			
LS		516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE				LS		
174		518	21200	174	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC					174	
285		518	40000	285	FT	6" PERFORATED CORRUGATED PLASTIC PIPE					285	
293		518	40010	293	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS					293	
950		519	11101	950	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	816		134			4, 5, 6, 7, 8
957		526	30010	957	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17")					957	
286		526	90010	286	FT	TYPE A INSTALLATION					286	
300		607	39900	300	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC				300		
1329		848	10201	1329	SY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY USING HYDRODEMOLITION 3 3/4" INCH THICK, AS PER PLAN				1329		1350 / 1587
1329		848	20000	1329	SY	SURFACE PREPARATION USING HYDRODEMOLITION				1329		
6		848	30200	6	CY	SUPERPLASTICIZED DENSE CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY				6		
11		848	50000	11	SY	HAND CHIPPING				11		
LS		848	50100	LS		TEST SLAB					LS	
1329		848	50320	1329	SY	EXISTING CONCRETE OVERLAY REMOVED, 3 1/2" NOMINAL THICKNESS				1329		
100		848	50340	100	SY	REMOVAL OF DEBONDED OR DETERIORATED EXISTING VARIABLE THICKNESS CONCRETE OVERLAY				100		

R7
R2

ESTIMATED QUANTITIES
BRIDGE NO.: CUY-00090-09.910 L/R
IR 90 OVER BEREA RD

SFN 1808214
SFN 1808230
DESIGN AGENCY
Michael Baker INTERNATIONAL
DESIGNER SSW | CHECKER MKB
REVIEWER CDC 04/07/23
PROJECT ID 76779
SUBSET 2 | TOTAL 28
SHEET P.1457 | TOTAL P.1587

CUY-90-06.690

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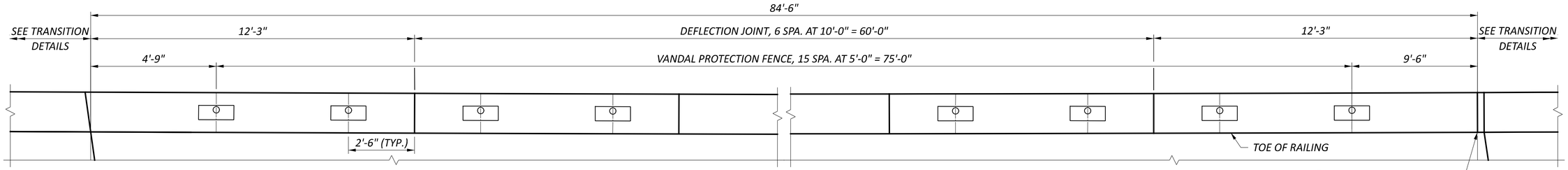
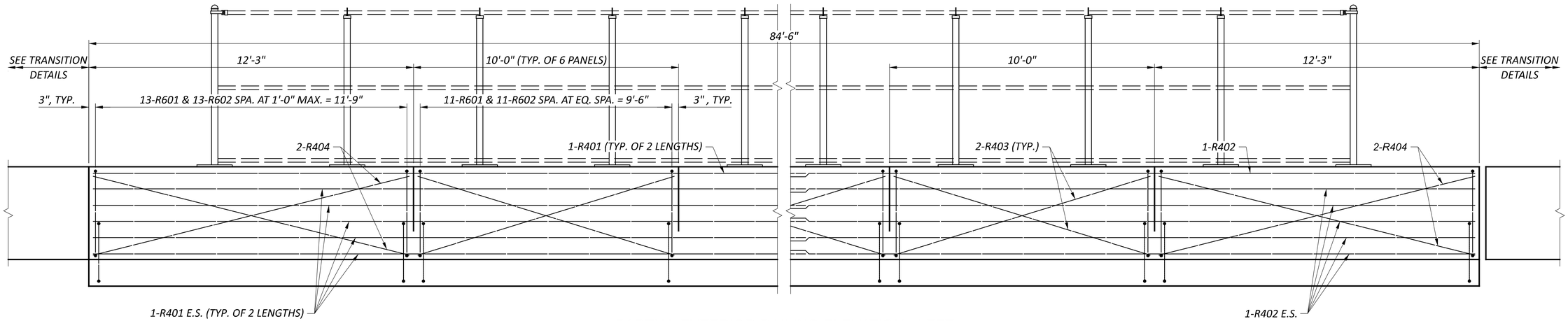


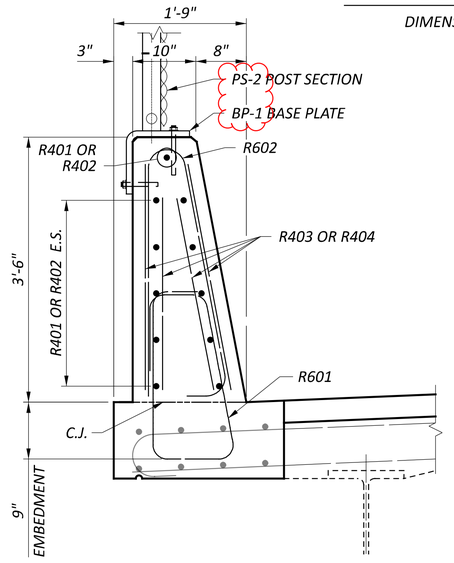
PARTIAL EXTERIOR RAILING PLAN - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



PARTIAL EXTERIOR RAILING ELEVATION - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



LEFT EXTERIOR RAILING SECTION

NOTES:

1. SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1"

EXTERIOR RAILING DETAILS - LEFT
BRIDGE NO.: CUY-00090-09.910 L/R
IR 90 OVER BEREA RD

SFN	1808214
SFN	1808230
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	12
TOTAL	28
SHEET	P.1467
TOTAL	P.1587

CUY-90-06.690

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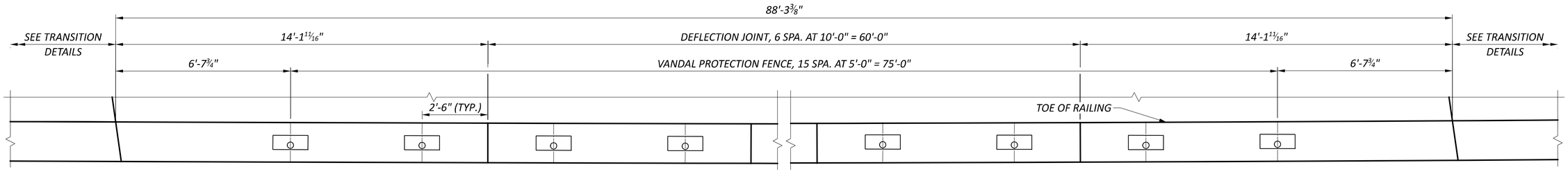
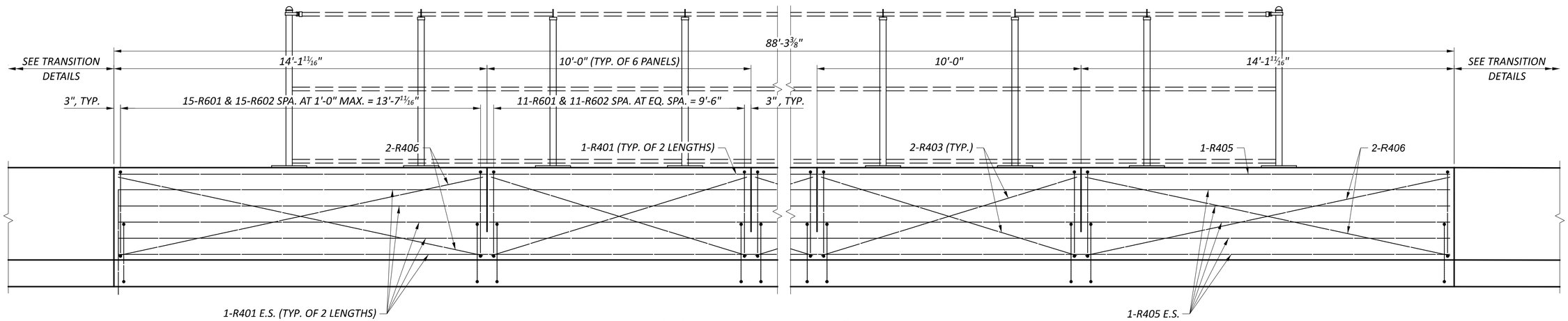


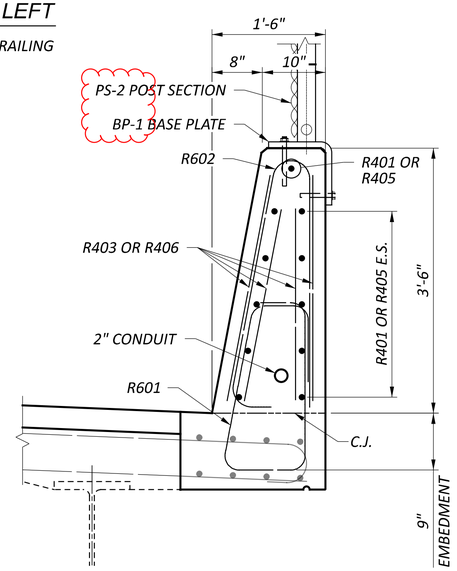
PARTIAL MEDIAN RAILING PLAN - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



PARTIAL MEDIAN ELEVATION - LEFT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



LEFT MEDIAN RAILING SECTION

NOTES:

1. SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1"

MEDIAN RAILING DETAILS - LEFT
BRIDGE NO.: CUY-00090-09.910 L/R
IR 90 OVER BEREA RD

CUY-90-06.690

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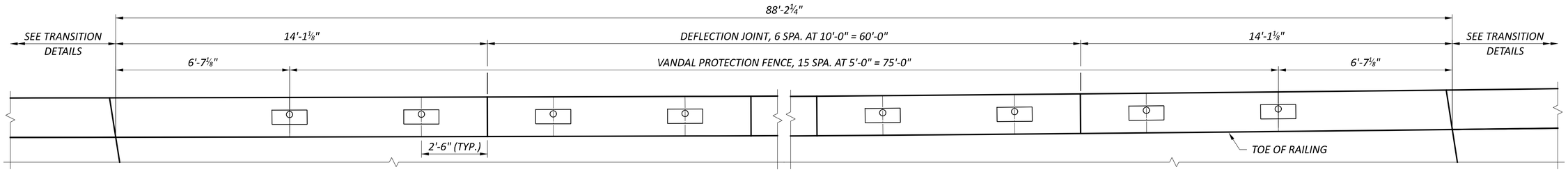
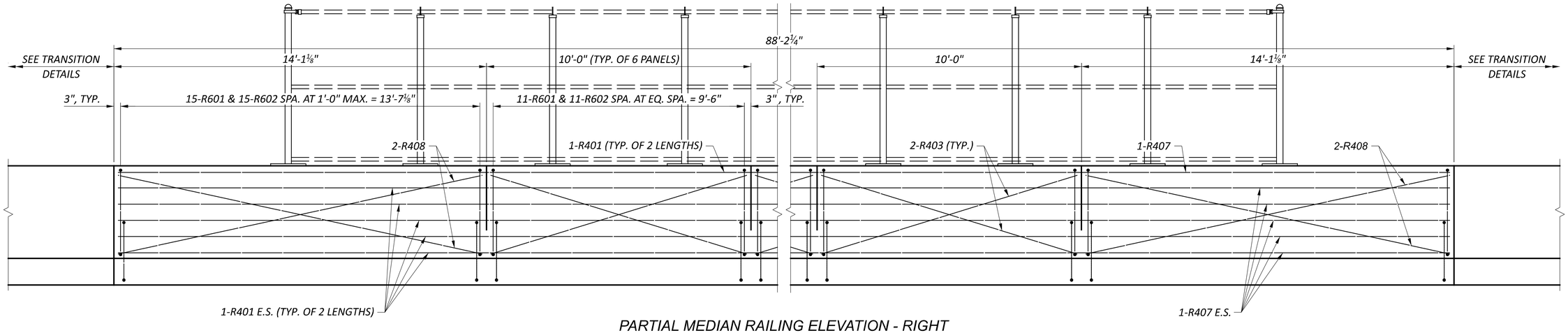
SFN	1808214
SFN	1808230
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	13
TOTAL	28
SHEET	P.1468
TOTAL	P.1587



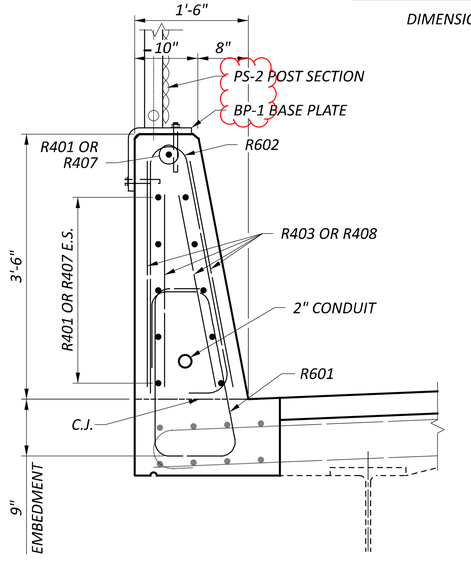
PARTIAL MEDIAN RAILING PLAN - RIGHT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



PARTIAL MEDIAN RAILING ELEVATION - RIGHT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



RIGHT MEDIAN RAILING SECTION

NOTES:

1. *SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.*
2. *MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1"*

MEDIAN RAILING DETAILS - RIGHT
BRIDGE NO.: CUY-00090-09.910 L/R
IR 90 OVER BEREA RD

SFN 1808214
SFN 1808230
DESIGN AGENCY
Michael Baker INTERNATIONAL
DESIGNER JNR | CHECKER PJL
REVIEWER CDC 04/07/23
PROJECT ID 76779
SUBSET 14 | TOTAL 28
SHEET P.1469 | TOTAL P.1587

CUY-90-06.690

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/10/2025 TIME: 10:37:34 PM USER: Alexandria.Summers
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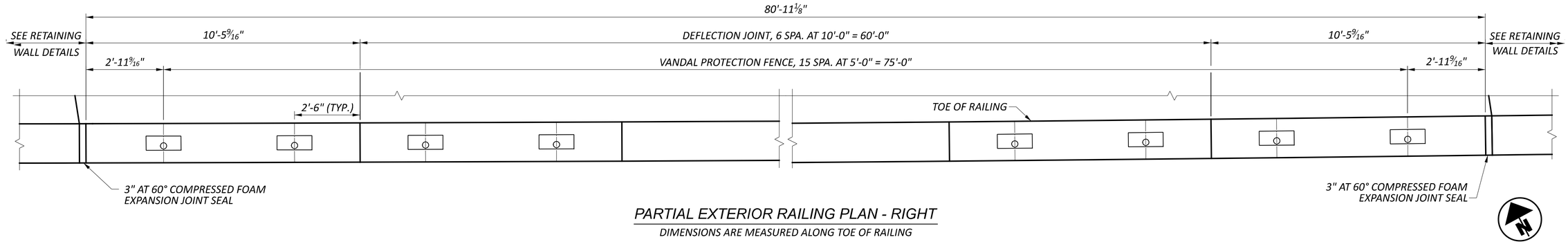
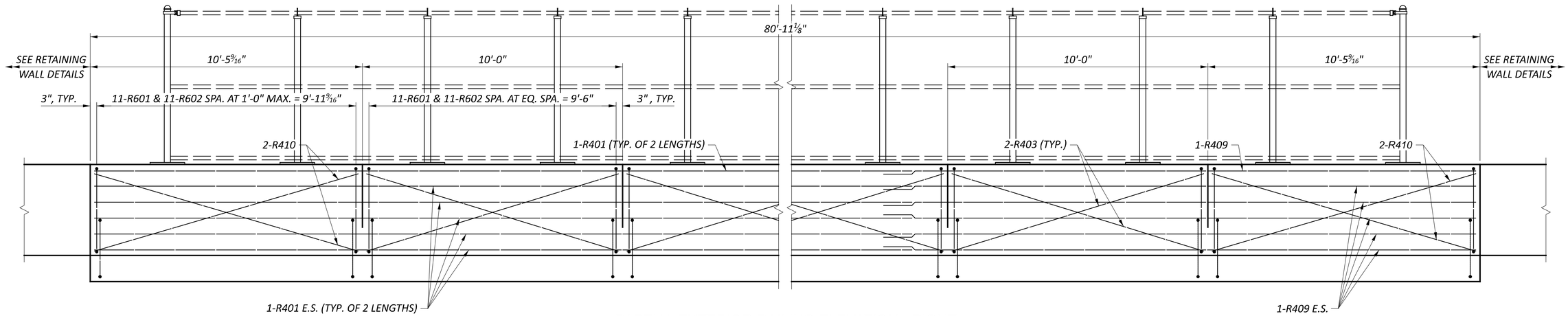


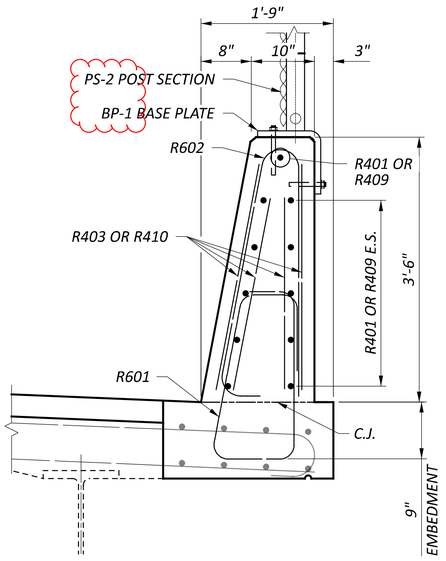
PARTIAL EXTERIOR RAILING PLAN - RIGHT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



PARTIAL EXTERIOR RAILING ELEVATION - RIGHT

DIMENSIONS ARE MEASURED ALONG TOE OF RAILING



RIGHT EXTERIOR RAILING SECTION

NOTES:

1. SEE SBR-1-20 AND VPF-1-90 FOR ADDITIONAL NOTES AND DETAILS.
2. MINIMUM LAP LENGTH FOR #4 GFRP BARS = 1'-1"

EXTERIOR RAILING DETAILS - RIGHT
BRIDGE NO.: CUY-00090-09.910 L/R
IR 90 OVER BEREA RD

SFN	1808214
SFN	1808230
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	JNR
CHECKER	PJL
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	15
TOTAL	28
SHEET	P.1470
TOTAL	P.1587

CUY-90-06.690

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/10/2025 TIME: 10:38:04 PM USER: Alexandra.Summers
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