MANHOLES WITHIN PAVEMENT AND PAVED SHOULDERS

WHERE THE PLANS INDICATE THAT A PROPOSED MANHOLE BE PLACED WITHIN THE PAVEMENT LIMITS EXCLUDING MANHOLES INDICATED FOR BOLTED LIDS, THE TOP OF CASTING ELEVATION SHALL BE SET AT THE TOP OF THE COMPACTED ITEM 304 - AGGREGATE BASE. THE LID SHALL BE SOLID WITHOUT HOLES. ONCE EACH MANHOLE IS SET IN PLACE AND PRIOR TO PAVING, THE CONTRACTOR SHALL SURVEY THE CENTER OF THE LID OF EACH BURIED MANHOLE AND FURNISH A LIST OF THE PROJECT GPS COORDINATES (EASTING, NORTHING) TO THE ENGINEER. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED ABOVE AND WILL BE MADE AT THE UNIT PRICE BID FOR ITEM 611 - MANHOLE, NO. 3, AS PER PLAN.

THE FOLLOWING IS A LIST OF LOCATIONS WHERE BURIED MANHOLES ARE PROPOSED, STATION/OFFSETS SHOWN ARE TO THE CENTER OF THE MANHOLE:

STR. NO.	ALIGNMENT	STATION	OFFSET	SIDE	NORTHING	EASTING	ELEVATION
D64	IR 90	537+48.00	5'	RT			
D26	IR 90	542+75.00	6'	RT			
D31	IR 90	543+25.25	99.25'	LT			
D32	IR 90	543+75.00	94.5'	LT			
D18	IR 90	545+54.00	55'	RT			
D47	RAMP HB	39+85.00	26'	RT			
D29	RAMP HB	42+73.50	2.75'	LT			
D118	IR 90	571+58.00	12'	RT			
D116	IR 90	573+57.00	12'	RT			
D132	IR 90	583+51.00	66'	LT			
D141	IR 90	585+25.00	18'	RT			
D145	IR 90	587+40.00	18'	RT			
D148	IR 90	590+00.00	18'	RT			
D151	IR 90	590+00.00	68'	RT			
D188	IR 90	611+75.00	18'	RT			
D196	IR 90	616+36.00	18'	RT			
D212	IR 90	618+13.00	18'	RT			
D218A	IR 90	620+00.00	16.5'	RT			
D219	IR 90	621+56.00	16'	RT			
D828	IR 90	745+05.00	87'	LT			
D847	RAMP 177-9	36+60.00	2'	RT			

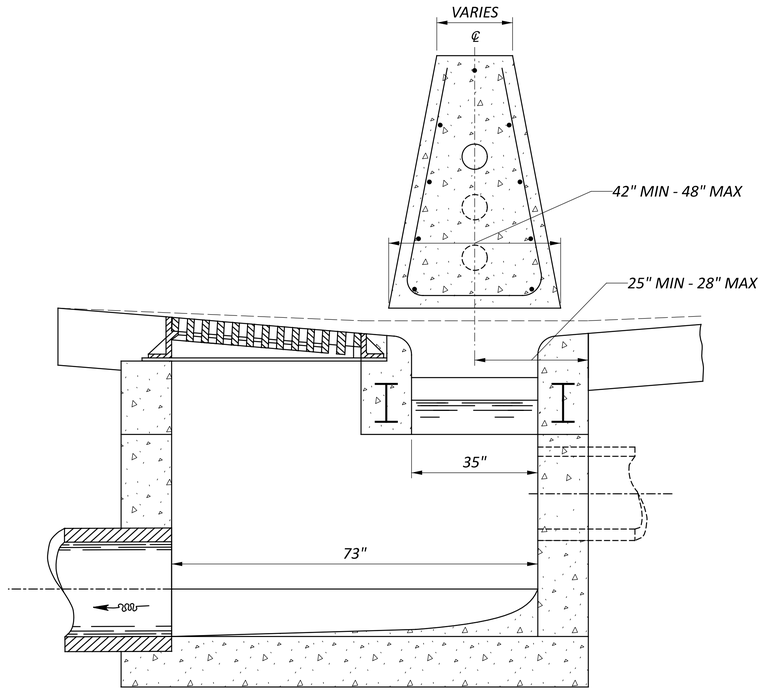
R8

R4

ITEM 611 - INLET, NO. 3C, AS PER PLAN

THE CONTRACTOR SHALL CONSTRUCT THE PROPOSED INLET PER STANDARD CONSTRUCTION DRAWING I-3C, I-3C1 WITH THE EXCEPTION TO THE DIMENSIONS BELOW.

ALL LABOR, MATERIAL, EQUIPMENT, AND INCIDENTALS REQUIRED TO CONSTRUCT THE PROPOSED INLET SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 611 - INLET, NO. 3C, AS PER PLAN.



GENERAL NOTES

CUY-90-6.69

MODEL: Sheet 4A PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 7:37:05 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GN001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0048A TOTAL P.1587

WATER WORK

WATER LINE RELOCATION

THE GRADE OF THE PROPOSED PAVEMENT AT THE EXISTING 12" WATER LINE CROSSING IR 90 NEAR STA 602+59 REQUIRES THE WATER LINE TO BE RELOCATED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 638, ALL PROVISIONS IN THE CITY OF LAKEWOOD SUPPLEMENTAL SPECIFICATION LS 638 SHALL APPLY. WHERE THERE IS A CONTRADICTION, THE CITY OF LAKEWOOD STANDARDS WILL TAKE PRECEDENCE. LS 638 CAN BE FOUND AT THE FOLLOWING LOCATION:

http://www.lakewoodoh.gov/wp-content/uploads/2016/02/LS-638-Water-Distribution-System-Master-2019.pdf

ALL WATERLINE MATERIALS USED SHALL BE IN COMPLIANCE WITH THE REQUIREMENTS SET FORTH IN THE CITY OF LAKEWOOD STANDARDS AS WELL AS PROPOSAL NOTE 133.

THE CONTRACTOR SHALL FIRST INSTALL THE 24" STEEL CASING PIPE UNDER IR 90 AND SHALL SUBSEQUENTLY INSTALL THE 12" WATER LINE AS SHOWN ON SHEETS P.0395 AND P.0522. THIS WORK SHALL BE COMPLETED PRIOR TO WHEN PROPOSED DRAINAGE CONDUITS THAT ARE IN CONFLICT WITH THE EXISTING WATER LINE.

THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF LAKEWOOD TO SCHEDULE AN OUTAGE WHEN MAKING CONNECTIONS WITH THE EXISTING WATER LINE. OUTAGES AND NOTICES THEREOF SHALL COMPLY WITH THE CITY OF LAKEWOOD LS 638. THE CONTRACTOR SHALL COORDINATE FINAL FLUSHING AND TESTING WITH THE CITY OF LAKEWOOD TO BE COMPLETED AT THE TIME THE CONTRACTOR MAKES FINAL CONNECTIONS.

PAYMENT FOR WATER LINE SHALL INCLUDE ALL APPURTENANCES INCLUDING BUT NOT LIMITED TO PIPE, JOINTS, FITTINGS AND THRUST BLOCKING.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN PROVIDED FOR THE WORK DESCRIBED ABOVE AND PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT AND INCIDENTALS.

ITEM 638 - 24" STEEL ENCASEMENT PIPE, BORED OR JACKED 170 FT

ITEM 638 - WATER WORK, MISC.: 12"X 12" TAPPING SLEEVE, VALVE AND VALVE BOX, CITY OF LAKEWOOD 2 EACH

ITEM 638 - WATER WORK, MISC.: 12" WATER MAIN DIP CLASS 56 MECHANICAL JOINTS AND FITTINGS, CITY OF LAKEWOOD 238 FT

TRAFFIC SURVEILLANCE

DETECTION MAINTENANCE

IF VEHICLE DETECTION BECOMES UNEXPECTEDLY DISABLED, REQUIRES MODIFICATION, OR IS SCHEDULED TO BE TEMPORARILY REMOVED DURING THE CONSTRUCTION PROJECT, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER AND CITY OF ROCKY RIVER, LAKEWOOD AND CLEVELAND ENGINEER.

IF THE LOSS OF VEHICLE DETECTION IS KNOWN PRIOR TO THE START OF CONSTRUCTION, IT SHALL BE DISCUSSED AT THE PRECONSTRUCTION MEETING. AT SUCH TIME, THE CITY OF ROCKY RIVER, LAKEWOOD AND CLEVELAND ENGINEER SHALL ADVISE THE PROJECT ENGINEER AND CONTRACTOR ON THE APPROPRIATE ACTION TO RECTIFY ANY LOSS OF VEHICLE DETECTION. THIS MAY INCLUDE PLACING THE TRAFFIC SIGNAL ON MINIMUM OR MAXIMUM RECALL, MODIFYING THE MINIMUM GREEN TIMES, AND REMOVING THE MALFUNCTIONING DETECTION FROM SERVICE. WHERE NONINTRUSIVE DETECTION (I.E. VIDEO, RADAR) ALREADY EXISTS, THE CONTRACTOR SHALL INSURE THAT DETECTION IS OPERATING AND MAINTAINED BY RECONFIGURING THE DETECTION UNITS ACCORDINGLY DURING ALL CONSTRUCTION PHASES. THIS IS TO AVOID THE SIGNAL FROM MAXING OUT THE EFFECTED SIGNAL PHASE AND CREATING UNNECESSARY DELAYS.

LOCATIONS WHERE NON-INTRUSIVE DETECTION IS PROPOSED AND THE EXISTING VEHICLE DETECTION IS TO BE ABANDON, THE NON-INTRUSIVE VEHICLE DETECTION SHALL BE INSTALLED, CONFIGURED AND MADE FULLY FUNCTIONAL PRIOR TO THE EXISTING DETECTION BEING DISABLED. THE CONTRACTOR SHALL CONTINUE TO MAINTAIN AND MODIFY THE DETECTION UNTIL FINAL ACCEPTANCE OF THE TRAFFIC SIGNAL. THIS IS TO ENSURE VEHICLE DETECTION REMAINS FULLY FUNCTIONAL THROUGHOUT CONSTRUCTION.

PROTECTION OF TRAFFIC MONITORING EQUIPMENT

ATR SITE 571 IS LOCATED WITHIN THE PROJECT LIMITS.

PRIOR TO BEGINNING ANY PAVEMENT ACTIVITIES OR ANY EXCAVATION ACTIVITIES BETWEEN STA 566+00 AND STA 568+00 THE CONTRACTOR, THE PROJECT ENGINEER, AND A REPRESENTATIVE FROM THE OWNER WILL COORDINATE A TIME FOR THE OWNER/MAINTAINING AGENCY TO DISCONNECT THE EQUIPMENT. FOLLOWING THE DISCONNECTION BY THE OWNER, THE CONTRACTOR WILL BE ALLOWED TO PERFORM THEIR PAVEMENT ACTIVITIES, INCLUDING PAVEMENT REMOVAL. THE REMOVED LOOPS AND SENSORS BECOME THE PROPERTY OF THE CONTRACTOR.

DURING THE MEETING, THE OWNER/MAINTAINING AGENCY WILL IDENTIFY EQUIPMENT LOCATIONS. DO NOT DISTURB PULL BOXES, CONTROLLERS, CABINETS, POLES AND CONDUITS. ANY DAMAGE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND REPAIRS MUST BE ACCEPTED BY THE OWNER.

ITEM 632 DETECTOR LOOP, AS PER PLAN

ALL STOP LINE INDUCTANCE DETECTOR LOOPS SHOWN IN THE PLANS SHALL BE THE POWERHEAD CONFIGURATION SHOWN ON TC-82.10. THE WIDTH SHALL BE AS SPECIFIED ON TC-82.10 AND THE LENGTH SHALL MATCH THE EXISTING DETECTOR LOOP LENGTH, WITH A MAXIMUM LENGTH OF 35'. THE STOP LINE DETECTOR LOOPS SHALL NOT BE WIRED TO ANY OTHER LOOPS AND SHALL HAVE THEIR OWN DETECTOR CHANNEL. THE LOCATION OF THESE LOOPS SHALL BE SUCH THAT THE POWERHEAD IS LOCATED AT THE STOP LINE, NOT PAST IT.

ALL DILEMMA ZONE INDUCTANCE DETECTOR LOOPS CALLED FOR IN THE PLANS SHALL BE THE ANGULAR DESIGN DETECTION (A.D.D.) LOOP AS SHOWN ON TC-82.10. DIMENSIONS SHALL BE AS SPECIFIED ON TC-82.10.

SYSTEM LOOPS SHALL BE AS DEPICTED IN THE PLANS.

ALL STOP LINE DETECTION SHALL BE TESTED FOR A BICYCLE TARGET AND ALL DILEMMA DETECTION ZONES SHALL BE TESTED FOR A MOTORCYCLE TARGET.

WHEN REPLACING THE LOOP DETECTORS, THE LOOP DETECTOR WIRE SHALL BE REPLACED TO THE PULL BOX OR POLE, WHICHEVER IS APPLICABLE, UNDER ITEM 632 AND TC-82.10. THE NEW CABLE SPLICE KITS SHALL BE INCLUDED IN THIS PAY ITEM.

THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER AND THE CITY OF ROCKY RIVER, LAKEWOOD AND CLEVELAND ENGINEER, SEVEN (7) DAYS PRIOR TO REMOVAL OF EXISTING LOOP DETECTORS TO ADJUST SIGNAL OPERATION AS NEEDED.

THE CITY OF ROCKY RIVER, LAKEWOOD AND CLEVELAND ENGINEER SHALL CONCUR WITH THE LOCATION OF THE REPLACEMENT LOOPS.

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR USE AS DESCRIBED ABOVE:

ITEM 632 DETECTOR LOOP, AS PER PLAN..... 10 EACH

INCIDENTALS

ITEM SPECIAL (69091000) - AS-BUILT CONSTRUCTION PLANS

PRIOR TO THE FINAL ACCEPTANCE OF THE PROJECT, PROVIDE AS-BUILT PLANS OF THE ENTIRE PROJECT TO THE ENGINEER IN THE FOLLOWING FORMATS: DGN FILES AND PDF FILE.

THE AS-BUILT PLANS SHALL INCLUDE ALL ROADWAY, EROSION CONTROL, DRAINAGE, PAVEMENT, TRAFFIC CONTROL, LIGHTING AND STRUCTURAL ITEMS THAT WERE BUILT TO LOCATIONS THAT ARE OUTSIDE CUSTOMARY CONSTRUCTION TOLERANCES AND ITEMS THAT WERE NON-PERFORMED. ALSO INCLUDE LOCATIONS OF ALL UTILITIES THAT WERE FOUND TO BE IN CONFLICT WITH THE PLANS AND WERE SUBSEQUENTLY RELOCATED DURING CONSTRUCTION.

THIS WORK WILL BE PAID UNDER THE LUMP SUM PRICE BID FOR ITEM SPECIAL (69091000) - AS-BUILT CONSTRUCTION PLANS AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE THIS ITEM.

ITEM 619 FIELD OFFICE, TYPE C, AS PER PLAN

ALL REQUIREMENTS OF C&MS 619 SHALL APPLY EXCEPT AS MODIFIED HEREIN:

THE FIELD OFFICE SHALL BE A SUITE TYPE OFFICE (NO TRAILER OR MODULAR OFFICE) WITH A MINIMUM OF 4,000 SQUARE FEET AND AT GROUND LEVEL WITH A MINIMUM CEILING HEIGHT OF EIGHT (8) FEET. PROVIDE TWO (2) OUTSIDE DOORS, LOCKABLE VANDAL PROOF CYLINDER TYPE DEAD BOLTS AND LOCKABLE WINDOWS. THE FLOOR SPACE WILL BE DIVIDED INTO TWO RESTROOMS, ONE GENERAL OFFICE AREA (MINIMUM 400 SQUARE FEET), NOT LESS THAN SEVEN INDIVIDUAL OFFICES (MINIMUM 300 SQUARE FEET EACH) AS SEPARATE ENCLOSED ROOMS (NO CUBICLE DIVIDERS WILL BE ACCEPTED), ONE KITCHEN SPACE INCLUDING SINK, REFRIDGERATOR, AND MICROWAVE, AND ONE CONFERENCE ROOM (MINIMUM 1000 SQUARE FEET).

FURNISH NEAT, SANITARY, ENCLOSED TOILET ACCOMMODATIONS CONNECTED TO AN EXISTING SANITARY SEWER LINE FOR THE USE OF THE OCCUPANTS OF THE FIELD OFFICE, MEETING APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. FURNISH ASSOCIATED LAVATORY AND SANITARY SUPPLIES. POTABLE HOT AND COLD RUNNING WATER WILL BE PROVIDED IN THE RESTROOM FOR SANITARY PURPOSES.

FURNISH TRASH COLLECTION SERVICE / DUMPSTER.

FURNISH PROFESSIONAL, BONDED, AND INSURED JANITORIAL SERVICE WITH A WEEKLY CLEANING OF THE ENTIRE OFFICE TO INCLUDE THE RESTROOM FACILITIES FOR THE DURATION OF THE PROJECT.

FURNISH BOTTLED DRINKING WATER SERVICE WITH A HOT AND COLD DISPENSER AND ASSOCIATED SUPPLIES.

FURNISH A BOX FOR STORING A NUCLEAR DENSITY GAUGE WITH REQUIREMENTS AS SET FORTH IN C&MS 619.02.

FURNISH AND MAINTAIN A BROADBAND INTERNET CONNECTION CAPABLE OF MINIMUM DOWNLOAD SPEEDS OF 1.0 Gb/S. PROVIDE A WIRELESS ROUTER THAT SUPPORTS WI-FI STANDARD 802.11Ax (WIFI 6) AND A MINIMUM WIRELESS DATA TRANSFER RATE OF 4000 Mb/S. PROVIDE PRE-WIRED ETHERNET ACCESS FOR ALL INDIVIDUAL OFFICES AND THE CONFERENCE ROOM.

FURNISH TEN (10) DESK AND CHAIR SETS, THIRTY (30) STACKABLE CHAIRS, TWENTY (20) WORK TABLES (30" X 72"), AND TWELVE (12) 24-QUART WASTE BASKETS WITH APPROPRIATE SIZED TRASH BAGS.

FURNISH AND INSTALL TWO (2) WALL-MOUNTED 8' X 4' GLASS, MAGNETIC DRY ERASE BOARDS.

FURNISH ONE NEW TELEVISION WITH THE FOLLOWING SPECIFICATIONS:
a) DIAGONAL SCREEN SIZE 70" MINIMUM
b) NATIVE RESOLUTION 4K
c) HDMI PORTS: 3
d) VIDEO INTERFACES: HDMI, USB
e) ALL ACCESSORIES NECESSARY TO OPERATE
f) ALL HARDWARE AND INSTALLATION NECESSARY TO HANG THE TELEVISION ON THE WALL IN THE CONFERENCE ROOM

THE FIELD OFFICE WILL BE APPROVED IN ADVANCE BY THE ENGINEER AND FULLY OPERATIONAL WITHIN 30 DAYS AFTER THE SIGNING AND EXECUTION OF THE CONTRACT OR PRIOR TO THE START OF ANY CONSTRUCTION WORK, WHICHEVER COMES FIRST.

THE DEPARTMENT WILL MEASURE FIELD OFFICE, TYPE C, AS PER PLAN BY THE NUMBER OF MONTHS THE OFFICE IS MAINTAINED. A PARTIAL MONTH AT THE END OF THE PROJECT WILL BE PAID AS A FULL MONTH.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE IN MONTHS AS FOLLOWS:
ITEM 619 - FIELD OFFICE, TYPE C, AS PER PLAN 48 MNTH

GENERAL NOTES

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

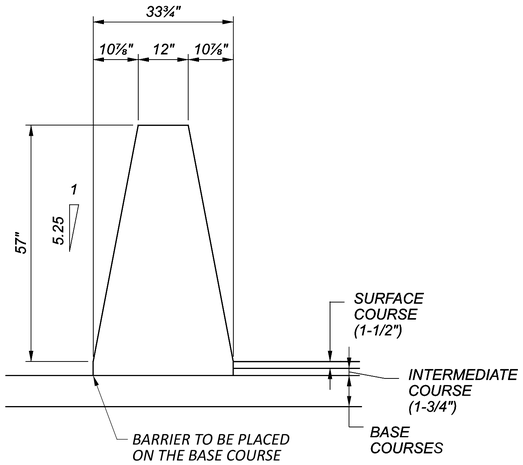
REVIEWER
VDK 08/09/23

PROJECT ID
76779

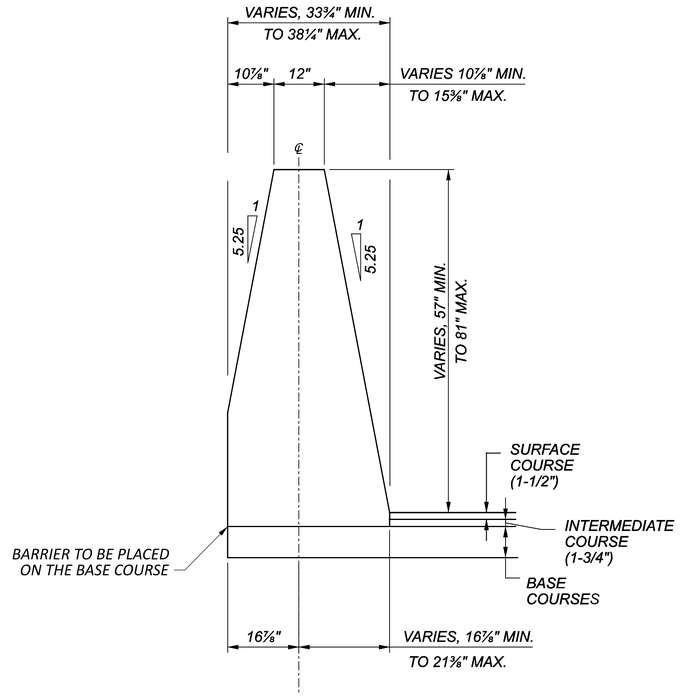
SHEET P.0051 TOTAL P.1587

CUY-90-6.69

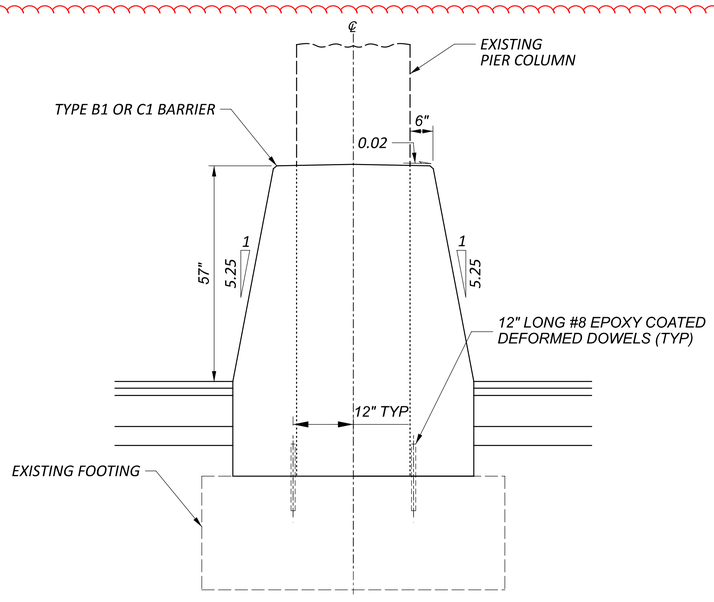
MODEL: Sheet 7 PAPERSIZE: 34x22 (in.) DATE: 4/22/2025 TIME: 2:01:06 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GN001.dgn



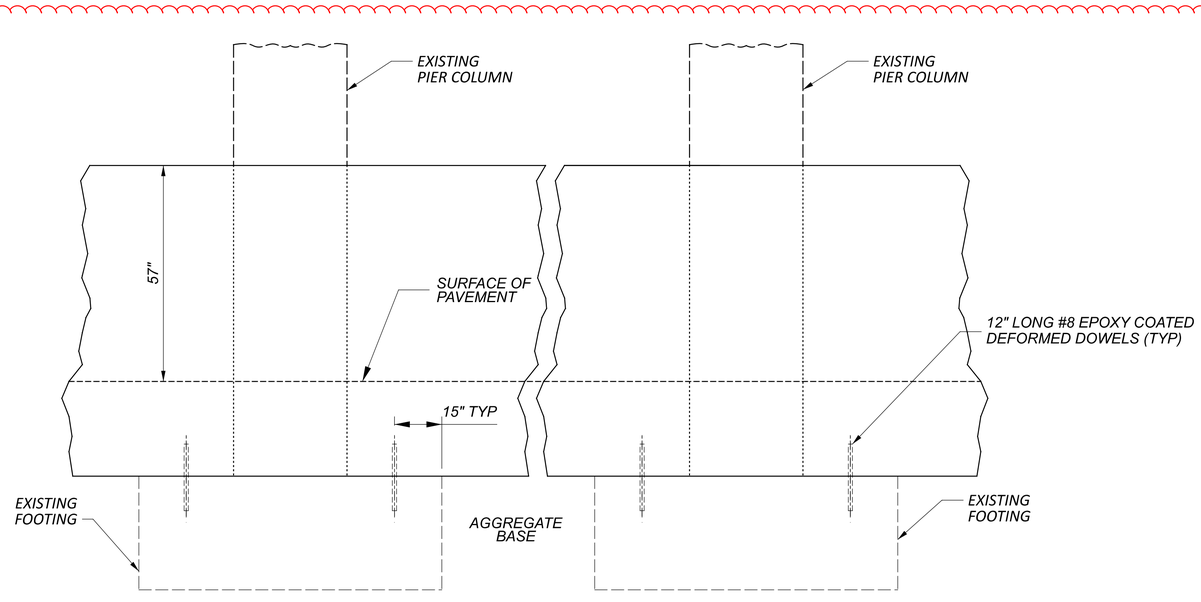
ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN
DETAIL FOR NEW ASPHALT PAVEMENT



ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN
DETAIL FOR NEW ASPHALT PAVEMENT



SECTION AT PIER COLUMNS



ELEVATION AT PIER COLUMNS

ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1 OR TYP C1, AS PER PLAN (2)

CONCRETE BARRIER DETAIL

CUY-90-6.69

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/19/2025 TIME: 4:02:36 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GR002.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0054 TOTAL P.1587

ITEM 614, MAINTAINING TRAFFIC

LENGTH AND DURATION OF LANE CLOSURES AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

NO WORK SHALL BE PERFORMED AND LANES IN THE THEN CURRENT MAINTENANCE OF TRAFFIC SCHEME SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

NEW YEAR'S DAY (OBSERVED)
MEMORIAL DAY
FOURTH OF JULY (OBSERVED)
LABOR DAY
GENERAL/REGULAR ELECTION DAY (NOVEMBER)
THANKSGIVING
CHRISTMAS (OBSERVED)

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY OR EVENTS FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

DAY OF HOLIDAY OR SPECIAL	TIME ALL LANES MUST BE OPEN FOR TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
MONDAY (TOTAL SOLAR ECLIPSE)	12:00N FRIDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
TUESDAY (GEN./REG. ELECTION)	5:00 AM TUESDAY THROUGH 12:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE PER THE LANE VALUE CONTRACT FOUND IN THESE MOT NOTES.

ALL EXISTING RAMPS LANES SHALL BE OPEN AND AVAILABLE TO TRAFFIC IN THE ORIGINAL OR PROPOSED FINAL ALIGNMENT AT ALL TIMES EXCEPT RAMPS MAYBE BE CLOSED FOR A PERIOD NOT TO EXCEED THE NUMBER OF CALENDAR DAYS LISTED IN THE WINDOW CONTRACT NOTE, WHEN TRAFFIC MAY BE DETOURED AS SHOWN ON SHEETS P.0084 TO P.0102. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, A DISINCENTIVE SHALL BE ASSESSED ACCORDING TO THE TABLE IN THE WINDOW CONTRACT NOTE. CLOSING OF CONSECUTIVE ENTRANCE RAMPS OR CONSECUTIVE EXIT RAMPS WILL NOT BE PERMITTED.

EXCEPT AS DESCRIBED IN THE APPROVED MAINTENANCE OF TRAFFIC POLICY EXCEPTION, A MINIMUM OF 4 LANES OF TRAFFIC IN EACH DIRECTION SHALL BE MAINTAINED AT ALL TIMES EAST OF THE HILLARD BLVD. INTERCHANGE BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 502 STRUCTURE FOR MAINTAINING TRAFFIC, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410 AND 614, EXCEPT 3 LANES SHALL BE MAINTAINED IN EACH DIRECTION WEST OF THE HILLIARD BLVD. INTERCHANGE.

ITEM 614, MAINTAINING TRAFFIC (CONTINUED)

ALL EXISTING LANES, INCLUDING RAMPS, SHALL BE OPEN AND AVAILABLE TO TRAFFIC IN THE ORIGINAL OR PROPOSED FINAL ALIGNMENT DURING WINTER MONTHS DEFINED TO BE FROM OCTOBER 31 THROUGH MARCH 15. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, A DISINCENTIVE SHALL BE ASSESSED ACCORDING TO THE TABLE IN THE INCENTIVE/DISINCENTIVE CONTRACT NOTE.

SCHEDULE OF THROUGH LANES TO BE MAINTAINED

ALL LANE CLOSURES MAY ONLY BE IMPLEMENTED AT THE TIMES PERMITTED BY THE "DISTRICT 12 PERMITTED LANE CLOSURE TIMES" LIST, WHICH IS LOCATED ON THE ODOT WEBSITE:

http://www.dot.state.oh.us/districts/D12/HighwayManagement/Pages/PermittedLaneClosures.aspx

THE LATEST REVISION, AT 14 DAYS PRIOR TO THE BID DATE, SHALL BE IN EFFECT FOR THIS PROJECT.

NO LANE OR SHOULDER CLOSURES SHALL BE IN PLACE WHEN NO WORK IS BEING PERFORMED, UNLESS DIRECTED BY THE ENGINEER. SHOULDER CLOSURES SHALL ONLY BE ALLOWED AT THE TIMES SPECIFIED FOR LANE CLOSURES.

ANY ROADWAY NOT LISTED SHALL NOT HAVE ANY LANE CLOSURES ON WEEKDAYS FROM 6:30AM TO 9:00AM AND 3:00PM TO 6:00PM. CONTACT TROY ONESTI, DISTRICT 12 WORK ZONE TRAFFIC MANAGER, AT (216) 584-2204 IF THERE ARE ANY QUESTIONS.

WORK TO REPAIR THE FASCIA BEAM AT WOOSTER ROAD STRUCTURE CUY-00020-08.470 DETAILED ON SHEETS P.1352, P.1353 AND P.1355A SHALL BE PERFORMED AT TIMES ALLOWED BY THE "DISTRICT 12 PERMITTED LANE CLOSURE TIMES." THIS WORK SHALL BE COMPETE PRIOR TO AUGUST 1, 2025. ALL TRAFFIC CONTROL DEVICES NECESSARY TO COMPLETE THIS WORK SHALL BE IN ACCORDANCE WITH AND ARE INCIDENTAL TO THE LUMP SUM FOR ITEM 614 - MAINTAINING TRAFFIC. NO SEPARATE PAYMENT WILL BE MADE.

R8

APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION

PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE AN APPROVED MOT EXCEPTION PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)). THE APPROVED MOT EXCEPTION FOR IR 90 IS AS FOLLOWS:

PHASE 1: -ONE LANE CLOSURE ON IR 90 EASTBOUND (STA 540+44 TO STA. 662+88)
-ONE LANE CLOSURE ON IR 90 WESTBOUND FOR 90 DAYS (STA 582+50 TO STA 605+00)

PHASES 2-3: -ONE LANE CLOSURE ON IR 90 EASTBOUND (STA 540+44 TO STA. 662+88)

PHASES 4-5: -ONE LANE CLOSURE ON IR 90 EASTBOUND (STA 540+44 TO STA. 662+88)

A MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD A MINIMUM OF 30 CALENDAR DAYS PRIOR TO IMPLEMENTATION OF EACH APPROVED MOT EXCEPTION. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER, AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

APPROVED MAINTENANCE OF TRAFFIC (MOT) POLICY EXCEPTION (CONTINUED)

IN ADDITION TO ANY NOTIFICATIONS REQUIRED IN OTHER NOTES, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER AT LEAST 3 BUSINESS DAYS IN ADVANCE OF IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE SO THAT THE PROJECT ENGINEER CAN SEND E-MAIL NOTIFICATION TO THE OFFICE OF ROADWAY ENGINEERING, STATEWIDE TMC, DWZTM AND SPECIAL HAULING PERMITS AT LEAST 2 BUSINESS DAYS IN ADVANCE OF THE IMPLEMENTATION OF THE APPROVED MOT EXCEPTION(S) REFERENCED ABOVE. REFERENCE "EXCEPTION REQUEST APPROVAL DATED 11/26/2024 FOR PID 76779" IN THE NOTIFICATION AND OTHER CORRESPONDENCE.

ANY CHANGES TO THE MOT THAT IMPACT THE PREVIOUSLY APPROVED MOT EXCEPTION(S) LISTED ABOVE SHALL BE APPROVED IN WRITING BY THE MOT EXCEPTION COMMITTEE (MOTEC). IN THE EVENT THAT SUCH CHANGES ARE PROPOSED, THE REQUEST SHALL BE COORDINATED THROUGH THE DISTRICT WORK ZONE TRAFFIC MANAGER (DWZTM) A MINIMUM OF 30 CALENDAR DAYS PRIOR TO THE DESIRED IMPLEMENTATION DATE. IF THE DISTRICT AGREES WITH THE PROPOSED CHANGES THE DWZTM SHALL SEEK APPROVAL FROM THE MOTEC. IN THE EVENT THE PROPOSED CHANGES ARE APPROVED IN WRITING, THE CLOSURES ARE STILL SUBJECT TO NOTIFICATION REQUIREMENTS WITHIN THIS NOTE PRIOR TO IMPLEMENTATION.

LANE VALUE CONTRACT TABLE

OUTSIDE OF WINTER MONTHS AND THE APPROVED MOT POLICY EXCEPTION, THE CONTRACTOR SHALL BE ASSESSED DISINCENTIVES AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME THE DESCRIBED CRITICAL LANE/RAMP IS RESTRICTED FROM FULL USE BY THE TRAVELING PUBLIC WITHIN THE RESTRICTED TIME PERIOD. THE LANE VALUE CONTRACT TABLE IS LOCATED BELOW. THE DISINCENTIVES WILL BE ASSESSED FOR ALL RESTRICTIONS OF THE CRITICAL WORK.

CRITICAL WORK IS SHOWN IN THE LANE VALUE CONTRACT TABLE.

CRITICIAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTIONS OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLE, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE WITH SPECIFIED STRIPING AND SAFETY FEATURES IN PLACE. DISINCENTIVES SHALL APPLY TO EACH LANE RESTRICTED BEYOND THOSE ALLOWED IN THE D12 PREMITTED LANE TIMES.

DESCRIPTION OF CRITICAL LANE/RAMP TO BE MAINTAINED	RESTRICTION TIME PERIOD	TIME UNIT	DISINCENTIVE $ PER TIME UNIT PER LANE
I.R. 90 FROM LAKEVIEW AVE TO WOOSTER RD	AS PER THE D12 PERMITTED LANE CLOSURE TIMES	EACH MINUTE	$275
I.R. 90 FROM WOOSTER RD TO WEST BLVD	AS PER THE D12 PERMITTED LANE CLOSURE TIMES	EACH MINUTE	$265
RAMPS HB AND 117-12	ONE LANE OPEN AT ALL TIMES	EACH MINUTE	$265

INCENTIVE/DISINCENTIVE CONTRACT

THE CONTRACTOR SHALL COMPLETE ALL CRITICAL WORK AND SAFETY ITEMS ACCORDING TO THE DISINCENTIVE CONTRACT TABLES. THE INCENTIVE/DISINCENTIVE CONTRACT TABLE ARE LOCATED BELOW. IN THE EVENT THE CONTRACTOR IMPEDES THE FLOW OF TRAFFIC SUBSEQUENT TO THE OPENING TO UNRESTRICTED TRAFFIC, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE ACCORDING TO THE INCENTIVE/DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS SHOWN IN THE INCENTIVE/DISINCENTIVE CONTRACT TABLE.

CRITICAL WORK IS DEFINED AS HAVING THE DESIGNATED SECTION OF WORK OPEN TO UNRESTRICTED TRAFFIC AS SHOWN IN THE TABLES, OR THE ENTIRE PROJECT IF NOT OTHERWISE LISTED.

UNRESTRICTED TRAFFIC IS DEFINED AS ALL TRAFFIC LANES BEING AVAILABLE FOR USE AT THEIR FINAL DESIGN WIDTH WITH ALL MARKINGS, RPM'S, AND SAFETY FEATURES INSTALLED, ALONG WITH NO RESTRICTIONS WITHIN 2 FEET OF THE EDGE LINE ON THE SHOULDERS.

DESCRIPTION OR LOCATION OF CRITICAL WORK	COMPLETION DATE	TIME PERIOD	DISINCENTIVE $ PER TIME PERIOD	INCENTIVE $ PER TIME PERIOD
PHASE 3 COMPLETE; START WINTER PHASE 2	10/31/2026	DAY	$10,000	$0
PHASE 5 COMPLETE; START WINTER PHASE 3	10/31/2027	DAY	$10,000	$0

R2

DUST CONTROL

THE CONTRACTOR SHALL FURNISH AND APPLY WATER FOR DUST CONTROL AS DIRECTED BY THE ENGINEER. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED FOR DUST CONTROL PURPOSES:

ITEM 616, WATER 353 M. GAL.

DETOUR SIGNING

DETOUR SIGNING SHALL BE AS DETAILED IN THE PLANS. THE FOLLOWING ITEM HAS BEEN INCLUDED IN THE GENERAL SUMMARY.

ITEM 614, DETOUR SIGNING LUMP SUM

690E98000 - ITEM SPECIAL - REIMBURSEMENT FOR MOT ITEMS PERMANENTLY DAMAGED BY TRAFFIC

THIS ITEM OF WORK PROVIDES A FIXED UNIT COST OF $1 PER EACH FOR THE REPAIR OR REPLACEMENT OF PERMANENTLY DAMAGED TEMPORARY MAINTENANCE OF TRAFFIC ITEMS ELIGIBLE UNDER C&MS 614.16.C AND C&MS 107.15.

IF THE ENGINEER DETERMINES THAT THE REQUIREMENTS OF C&MS 614.16.C AND C&MS 107.15 HAVE BEEN MET, THE DEPARTMENT WILL REIMBURSE THE CONTRACTOR UPON RECEIPT AND ACCEPTANCE OF THE COSTS IN ACCORDANCE WITH C&MS 109.05. THE PAYMENT DUE WILL BE DEDUCTED FROM ITEM SPECIAL - REIMBURSEMENT FOR MOT ITEMS PERMANENTLY DAMAGED BY TRAFFIC. C&MS TABLE 104.02-2 DOES NOT APPLY TO REDUCTIONS IN THIS CONTRACT ITEM.

THE FOLLOWING QUANTITY HAS BEEN CARRIED TO THE GENEREAL SUMMARY TO COMPLETE THIS ITEM OF WORK:

ITEM SPECIAL - REIMBURSEMENT FOR MOT ITEMS PERMANENTLY DAMAGED BY TRAFFIC 200,000 EACH

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0056 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 01 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 9:50:40 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MN001.dgn

FLEXIBLE START WINDOW CONTRACT

THE FOLLOWING TABLE SHALL BE USED IN CONJUNCTION WITH THE FLEXIBLE START WINDOW CONTRACT PROPOSAL NOTE.

FOR RAMPS THAT LIST TWO SEPARATE CLOSURES, IF THE FIRST END PHASE IS PHASE 1, A SECOND CLOSURE IS INCLUDED FOR FINAL TIE-IN DURING A SUBSEQUENT PHASE. IF THE FIRST END PHASE AND THE SECOND END PHASE ARE THE SAME, THE FIRST CLOSURE FOR EACH INDIVIDUAL RAMP SHALL ONLY APPLY IF THE CONTRACTOR ELECTS TO COMPLETE ITS CONCRETE PAVEMENT IN AN EARLIER PHASE; OTHERWISE THE FIRST CLOSURE WILL NOT BE ALLOWED AND THE CONCRETE PAVING AND THE FINAL TIE-IN SHALL BE COMPLETED IN THE END PHASE.

FINAL TIE-IN MEANS COMPLETING THE ASPHALT PAVEMENT FOR THE FULL WIDTH AND LENGTH OF THE ACCELERATION OR DECELERATION LANE, ADJACENT OUTSIDE SHOULDER AND GORE AREA INCLUDING ALL COURSES EXCEPT THE FINAL SURFACE COURSE.

DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETE	DISINCENTIVE $ PER DAY	WORK WINDOW	
			START	END
RAMP HA CONCRETE PAVEMENT	75 DAYS	$1,500	START OF PHASE 1	END OF PHASE 1
WESTBOUND SINGLE LANE CLOSURE FOR 66" CONDUIT, BORED OR JACKED	90 DAYS	$10,000	START OF PHASE 1	END OF PHASE 1
RAMP MC CONCRETE PAVEMENT CONCURRENT WITH SINGLE LANE CLOSURE	90 DAYS	$1,500	START OF PHASE 1	END OF PHASE 5
RAMP MC FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 5	END OF PHASE 5
RAMP MD CONCRETE PAVEMENT AND FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 3	END OF PHASE 3
RAMP ME CONCRETE PAVEMENT	45 DAYS	$1,500	START OF PHASE 1	END OF PHASE 3
RAMP ME FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 3	END OF PHASE 3
RAMP MF CONCRETE PAVEMENT AND FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W1 CONCRETE PAVEMENT	45 DAYS	$1,500	START OF PHASE 1	END OF PHASE 5
RAMP W1 FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W2 CONCRETE PAVEMENT AND FINAL TIE-IN	60 DAYS	$1,500	START OF PHASE 3	END OF PHASE 3
RAMP W1A CONCRETE PAVEMENT	45 DAYS	$1,500	START OF PHASE 1	END OF PHASE 5
RAMP W1A FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W2A CONCRETE PAVEMENT AND FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 3	END OF PHASE 3
RAMP 140-3 CONCRETE PAVEMENT, STRUCTURE AND FINAL TIE-IN	90 DAYS	$1,500	START OF PHASE 5	END OF PHASE 5
RAMP 140-4 CONCRETE PAVEMENT	60 DAYS	$1,500	START OF PHASE 1	END OF PHASE 3
RAMP 140-4 STRUCTURE AND FINAL TIE-IN	90 DAYS	$1,500	START OF PHASE 3	END OF PHASE 3
RAMP 117-5 CONCRETE PAVEMENT	45 DAYS	$5,000	START OF PHASE 1	END OF PHASE 5
RAMP 117-5 FINAL TIE-IN	45 DAYS	$5,000	START OF PHASE 5	END OF PHASE 5
RAMP 117-7 CONCRETE PAVEMENT AND FINAL TIE-IN	60 DAYS	$5,000	START OF PHASE 3	END OF PHASE 3
RAMP 117-8 CONCRETE PAVEMENT AND FINAL TIE-IN	45 DAYS	$5,000	START OF PHASE 3	END OF PHASE 3
RAMP 117-9 CONCRETE PAVEMENT	60 DAYS	$5,000	START OF PHASE 1	END OF PHASE 3
RAMP 117-9 FINAL TIE-IN	45 DAYS	$5,000	START OF PHASE 3	END OF PHASE 3
RAMP 117-11 CONCRETE PAVEMENT AND FINAL TIE-IN	60 DAYS	$5,000	START OF PHASE 5	END OF PHASE 5
RAMP W13 CONCRETE PAVEMENT	60 DAYS	$1,500	START OF PHASE 1	END OF PHASE 1
RAMP W13 FINAL TIE-IN	45 DAYS	$1,500	START OF PHASE 5	END OF PHASE 5
RAMP W14 CONCRETE PAVEMENT AND FINAL TIE-IN	60 DAYS	$1,500	START OF PHASE 3	END OF PHASE 3

NOTICE OF CLOSURE SIGNS

PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW.

THE PCMS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE		
ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURE	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	< =12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE PCMS SHALL DISPLAY THE NAME OF THE ROAD OR RAMP AND THE DATE OF THE CLOSURE IN MMM-DD FORMAT.

ROAD CLOSED SIGN

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH ROAD CLOSED SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 SHOWN ON MAINTENANCE OF TRAFFIC PLANS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH C&MS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

PLACEMENT OF ASPHALT CONCRETE

TWO-WAY TRAFFIC SHALL BE MAINTAINED AT ALL TIMES EXCEPT THAT ONE-WAY TRAFFIC WILL BE PERMITTED FOR MINIMUM PERIODS OF TIME CONSISTENT WITH THE REQUIREMENTS OF THE SPECIFICATIONS FOR PROTECTION OF COMPLETED ASPHALT CONCRETE COURSES.

TRENCH FOR WIDENING

TRENCH EXCAVATION FOR BASE WIDENING SHALL BE ONLY ON ONE SIDE OF THE PAVEMENT AT A TIME. THE OPEN TRENCH SHALL BE ADEQUATELY MAINTAINED AND PROTECTED WITH DRUMS OR BARRICADES AT ALL TIMES. PLACEMENT OF PROPOSED SUBBASE AND BASE MATERIAL SHALL FOLLOW AS CLOSELY AS POSSIBLE BEHIND EXCAVATION OPERATIONS. THE LENGTH OF WIDENING TRENCH WHICH IS OPEN AT ANY ONE TIME SHALL BE HELD TO A MINIMUM AND SHALL AT ALL TIMES BE SUBJECT TO APPROVAL OF THE ENGINEER.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0056A TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 01A PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 5:19:54 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MN001.dgn

DRUM REQUIREMENTS

IN ADDITION TO THE REQUIREMENTS OF THE PLANS, SPECIFICATION AND PROPOSAL, DRUMS FURNISHED BY THE CONTRACTOR SHALL BE NEW AND UNUSED AT THE TIME OF ARRIVAL ON THE PROJECT. ANY DRUMS BROUGHT ON THE PROJECT, WHICH HAVE PREVIOUSLY BEEN USED ELSEWHERE, WILL NOT BE ACCEPTED.

PAYMENT FOR DRUMS SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR MAINTAINING TRAFFIC UNLESS SEPARATELY ITEMIZED.

WORK ZONE SPEED ZONES (WZSZS)

THE FOLLOWING WORK ZONE SPEED ZONE (WZSZ) SPEED LIMIT REVISION(S) HAVE BEEN APPROVED FOR USE ON THIS PROJECT WHEN WORK ZONE CONDITIONS AND FACTORS ARE MET AS DESCRIBED BELOW:

WZSZ REVISION NUMBER	COUNTY & ROUTE	DIRECTION
WZ-65253	CUY-90	EB
WZ-65253	CUY-90	WB

POTENTIAL WZSZ LOCATIONS SHALL HAVE AN ORIGINAL (PRE-CONSTRUCTION) POSTED SPEED LIMIT OF 55 MPH OR GREATER, A QUALIFYING WORK ZONE CONDITION OF AT LEAST 0.5 MILE IN LENGTH, AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS, AND A WORK ZONE CONDITION IN PLACE THAT REDUCES THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS (I.E., LANE CLOSURE, LANE SHIFT, CROSSOVER, CONTRAFLOW AND/OR SHOULDER CLOSURE). THE LENGTH OF THE WORK ZONE CONDITION IS MEASURED FROM THE BEGINNING OF THE TAPER FOR THE SUBJECT WORK ZONE CONDITION IMPACTING THE TRAVEL LANES AND/OR SHOULDER TO THE END OF THE DOWNSTREAM TAPER, WHERE DRIVERS ARE RETURNED TO TYPICAL ALIGNMENT. AN EXPECTED WORK DURATION OF AT LEAST THREE HOURS IS REQUIRED TO BALANCE THE ADDITIONAL EXPOSURE CREATED BY INSTALLING AND REMOVING WZSZ SIGNING WITH THE TIME NEEDED TO COMPLETE THE WORK.

IF THE WORK ZONE MEETS THESE MINIMUM CRITERIA, IT SHALL BE ANALYZED FURTHER USING TABLE 1 BELOW TO DETERMINE IF AND WHEN IT QUALIFIES FOR A SPEED LIMIT REDUCTION. DEPENDING ON THE ORIGINAL POSTED SPEED LIMIT, THE TYPE OF TEMPORARY TRAFFIC CONTROL USED, AND WHETHER OR NOT WORKERS ARE PRESENT, A WARRANTED WZSZ WILL VARY IN THE APPROVED SPEED LIMIT TO BE POSTED OVER TIME.

C&MS ITEM 614, PARAGRAPH 614.02(B), INDICATES THAT TWO DIRECTIONS OF A DIVIDED HIGHWAY ARE CONSIDERED SEPARATE HIGHWAY SECTIONS. THEREFORE, IF THE WORK ON A MULTI-LANE DIVIDED HIGHWAY IS LIMITED TO ONLY ONE DIRECTION, A SPEED LIMIT REDUCTION IN THE DIRECTION OF THE WORK DOES NOT AUTOMATICALLY CONSTITUTE A SPEED LIMIT REDUCTION IN THE OPPOSITE DIRECTION. EACH DIRECTION SHALL BE ANALYZED INDEPENDENTLY FROM EACH OTHER.

ALL WZSZS FLUCTUATE BETWEEN TWO APPROVED REDUCED SPEED LIMITS OR BETWEEN AN APPROVED REDUCED SPEED LIMIT AND THE ORIGINAL POSTED SPEED LIMIT. ONLY ONE OF TWO SIGNING STRATEGIES SHALL BE USED TO IMPLEMENT A WZSZ.

WZSZS USING DSL SIGN ASSEMBLIES SHALL BE IN ACCORDANCE WITH THIS NOTE, APPROVED LIST, SUPPLEMENTAL SPECIFICATIONS (SS) 808 AND 908, AND TRAFFIC SCD MT-104.10.

ONLY ONE WARRANTED SPEED LIMIT APPLIES AT ANY ONE TIME; SPEED LIMIT REDUCTIONS ARE NOT CUMULATIVE. WZSZS SHALL NOT BE USED FOR MOVING/MOBILE ACTIVITIES, AS DEFINED IN OMUTCD PART 6.

WORK ZONE SPEED ZONES (WZSZS) (CONTINUED)

WHEN LOOKING UP THE WARRANTED WORK ZONE SPEED LIMITS, ALWAYS USE THE ORIGINAL, PRECONSTRUCTION, POSTED SPEED LIMIT. DO NOT USE A PRIOR OR CURRENT WORK ZONE SPEED LIMIT AS A LOOK UP VALUE IN THE TABLE. POSITIVE PROTECTION IS GENERALLY REGARDED AS PORTABLE BARRIER OR OTHER RIGID BARRIER IN USE ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WITHOUT POSITIVE PROTECTION IS GENERALLY REGARDED AS USING DRUMS, CONES, SHADOW VEHICLE, ETC., ALONG THE WORK AREA WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WORKERS ARE CONSIDERED AS BEING PRESENT WHEN ON-SITE, WORKING WITHIN THE SUBJECT WARRANTED WORK ZONE CONDITION. WHEN THE WORK ZONE CONDITION REDUCING THE EXISTING FUNCTIONALITY OF THE TRAVEL LANES OR SHOULDERS IS REMOVED, THE SPEED LIMIT DISPLAYED SHALL RETURN TO THE ORIGINAL POSTED SPEED LIMIT.

TABLE 1: WARRANTED WORK ZONE SPEED LIMITS (MPH) FOR WORK ZONES ON HIGH-SPEED (55 MPH OR GREATER) MULTI-LANE HIGHWAYS

ORIGINAL POSTED SPEED LIMIT	WITH POSITIVE PROTECTION		WITHOUT POSITIVE PROTECTION	
	WORKERS PRESENT	WORKERS NOT PRESENT	WORKERS PRESENT	WORKERS NOT PRESENT
70	60	65	55	65
65	55	60	50	60
60	55	60	50	60
55	50	55	45	55

THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 808, DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY
180 SIGN MNTH

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A)

R11-H5A-48 SIGNS SHALL BE FURNISHED, ERECTED, AND MAINTAINED IN GOOD CONDITION AND/OR REPLACED AS NECESSARY AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. SIGNS SHALL BE MOUNTED AT THE APPROPRIATE OFFSETS AND ELEVATIONS AS PRESCRIBED BY THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THEY SHALL BE MAINTAINED ON SUPPORTS MEETING CURRENT SAFETY CRITERIA.

THE SIGNS MAY BE ERECTED OR UNCOVERED NO MORE THAN FOUR HOURS BEFORE THE ACTUAL START OF WORK. THE SIGNS SHALL BE REMOVED OR COVERED NO LATER THAN FOUR HOURS FOLLOWING RESTORATION OF ALL LANES TO TRAFFIC WITH NO RESTRICTIONS, OR SOONER AS DIRECTED BY THE ENGINEER. TEMPORARY SIGN COVERING AND UNCOVERING DUE TO TEMPORARY LANE RESTORATIONS SHALL BE GUIDED BY THE FOUR-HOUR LIMITATIONS STATED ABOVE. SUCH LANE RESTORATIONS SHOULD BE EXPECTED TO REMAIN IN EFFECT FOR 30 OR MORE CONSECUTIVE CALENDAR DAYS, SUCH AS DURING WINTER SHUT-DOWNS.

(THE SIGNS ON THE MAINLINE SHALL BE DUAL MOUNTED UNLESS NOT PHYSICALLY POSSIBLE. THE FIRST SIGN SHALL BE PLACED BETWEEN THE ROAD WORK AHEAD (W20-1) SIGN AND THE NEXT SIGN IN THE SEQUENCE. SIGNS SHALL BE ERECTED ON EACH ENTRANCE RAMP AND EVERY 2 MILES THROUGH THE CONSTRUCTION WORK LIMITS. SIGNS ON THE MAINLINE SHALL BE R11-H5A-48. SIGNS USED ON THE RAMPS SHALL BE R11-H5A-24. R11-H5A-24 SIGNS MAY BE USED IN THE MEDIAN IN LIEU OF R11-H5A-48 SIGNS IF IT IS NOT PHYSICALLY POSSIBLE TO PROVIDE R11-H5A-48 SIGNS IN THE MEDIAN.)

WORK ZONE INCREASED PENALTIES SIGN (R11-H5A) (CON'T)

THE R11-H5A-48 SIGNS SHALL BE MOUNTED ON 2 NO. 3 POSTS WHEN LOCATED WITHIN CLEAR ZONES.

THE CONTRACTOR MAY USE SIGNS AND SUPPORTS IN USED, BUT GOOD, CONDITION PROVIDED THE SIGNS MEET CURRENT ODOT SPECIFICATIONS. SIGN FACES SHALL BE RETROREFLECTORIZED WITH TYPE G SHEETING COMPLYING WITH THE REQUIREMENTS OF C&MS 730.19.

WORK ZONE INCREASED PENALTIES SIGNS AND SUPPORTS WILL BE MEASURED AS THE NUMBER OF SIGN INSTALLATIONS, INCLUDING THE SIGN AND NECESSARY SUPPORTS. IF A SIGN AND SUPPORT COMBINATION IS REMOVED AND REERECTED AT ANOTHER LOCATION AS DIRECTED BY THE ENGINEER, IT SHALL BE CONSIDERED ANOTHER UNIT.

PAYMENT FOR ACCEPTED QUANTITIES, COMPLETE, IN PLACE WILL BE MADE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIALS, LABOR, INCIDENTALS AND EQUIPMENT FOR FURNISHING, ERECTING, MAINTAINING, COVERING DURING SUSPENSION OF WORK, AND REMOVAL OF THE SIGN AND SUPPORT.

ITEM 614, WORK ZONE INCREASED PENALTIES SIGN 17 EACH

WORK ZONE INCREASED PENALTIES SIGNS WILL BE PLACED AT THE FOLLOWING LOCATIONS:

W20-H15 SIGNS

THE SIZE OF LETTERING ON W20-H15 "EXIT CLOSED" SIGNS OVERLAID ON EXISTING OR PROPOSED OVERHEAD GUIDE SIGNS SHALL BE A MINIMUM HEIGHT OF 12" C.

ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN

THIS WORK SHALL CONSIST OF FURNISHING, MAINTAINING, AND SUBSEQUENTLY REMOVING A 50-INCH PORTABLE BARRIER AT THE LOCATIONS SHOWN ON THE PLANS. FOR DETAILS, SEE SCD RM-4.1.

PORTABLE STEEL BARRIER IS AN APPROVED ALTERNATIVE TO PORTABLE CONCRETE BARRIER. FOR INFORMATION ON APPROVED VENDORS, SEE THE APPROVED PRODUCTS LIST MAINTAINED BY THE OFFICE OF ROADWAY ENGINEERING.

PORTABLE BARRIER, 32 INCHES HIGH WITH AN 18-INCH MINIMUM HEIGHT GLARE SCREEN MAY BE USED AT THE OPTION OF THE CONTRACTOR. THE GLARE SCREEN SHALL BE CONSTRUCTED USING ONE OF THE SCREENS PROVIDED ON THE APPROVED LIST, AVAILABLE ON THE OFFICE OF ROADWAY ENGINEERING WEBSITE.

PADDLE OR INTERMITTENT TYPE GLARE SCREENS SHALL BE DESIGNED USING A 20 DEGREE CUT-OFF ANGLE BASED ON TANGENT ALIGNMENT. THAT SPACING SHALL BE USED THROUGHOUT THE BARRIER LENGTH WITHOUT REGARD TO BARRIER CURVATURE.

THE GLARE SCREEN SYSTEM SHALL BE SECURELY FASTENED TO THE 32-INCH PORTABLE BARRIER USING THE HARDWARE AND PROCEDURES SPECIFIED BY THE MANUFACTURER.

FOR DIRECTIONS ON HOW TO INSTALL THE GLARE SCREEN AND THE BARRIER, SEE THE MANUFACTURER'S INSTRUCTIONS.

PAYMENT SHALL INCLUDE ALL LABOR, MATERIAL, AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND SHALL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN.

ITEM 622 PORTABLE BARRIER, ANCHORED, AS PER PLAN

IN ADDITION TO THE REQUIREMENTS OF C&MS ITEM 622 AND STANDARD CONSTRUCTION DRAWINGS RM-4.2 AND PCB-91, THE BARRIER USED FOR THIS ITEM SHALL BE ABLE TO ACCOMMODATE A MINIMUM OF 1-1/2" OFFSET FROM THE TOE OF BARRIER TO THE WORK ZONE DROP OFF.

A MINIMUM OF FOUR ANCHORS PER BARRIER SEGMENT ARE REQUIRED PER PCB-91 FOR BRIDGE MOUNTED PORTABLE BARRIER REQUIRING ANCHORS.

R8

ITEM 614, WORK ZONE IMPACT ATTENUATOR FOR 24" WIDE HAZARDS (UNIDIRECTIONAL)

THIS ITEM SHALL CONSIST OF FURNISHING AND INSTALLING A NON-GATING IMPACT ATTENUATOR. FURNISH AN IMPACT ATTENUATOR FROM THE OFFICE OF ROADWAY ENGINEERING'S APPROVED LIST FOR WORK ZONE IMPACT ATTENUATORS, FROM THE ROADWAY STANDARDS APPROVED PRODUCTS WEB PAGE.

INSTALLATION SHALL BE AT THE LOCATIONS SPECIFIED IN THE PLANS IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.

THE CONTRACTOR SHALL REPAIR OR REPLACE A DAMAGED UNIT WITHIN 24 HOURS OF A DAMAGING IMPACT.

WHEN BIDIRECTIONAL DESIGNS ARE SPECIFIED, THE CONTRACTOR SHALL SUPPLY APPROPRIATE TRANSITIONS.

WHEN GATING IMPACT ATTENUATORS ARE DESIRED, THE CONTRACTOR SHALL SUBMIT DOCUMENTATION TO THE ENGINEER FOR ACCEPTANCE.

THE COST FOR THE ADDITIONAL BARRIER REQUIRED FOR A GATING IMPACT ATTENUATOR SHALL BE INCLUDED IN THE COST OF THE GATING IMPACT ATTENUATOR.

PAYMENT FOR THE ABOVE WORK SHALL BE MADE AT THE UNIT PRICE BID AND SHALL INCLUDE ALL LABOR, TOOLS, EQUIPMENT AND MATERIALS NECESSARY TO CONSTRUCT AND MAINTAIN A COMPLETE AND FUNCTIONAL IMPACT ATTENUATOR SYSTEM, INCLUDING ALL RELATED BACKUPS, TRANSITIONS, LEVELING PADS, HARDWARE AND GRADING, NOT SEPARATELY SPECIFIED, AS REQUIRED BY THE MANUFACTURER.

EARTHWORK FOR MAINTAINING TRAFFIC

THE FOLLOWING QUANTITIES HAVE BEEN INCLUDED IN THE PLAN FOR INFORMATION ONLY.

EXCAVATION FOR MAINTAINING TRAFFIC	1008 CU. YD.
EMBANKMENT FOR MAINTAINING TRAFFIC	2768 CU. YD.

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD.

THE WORK ABOVE SHALL BE INCIDENTAL TO THE LUMP SUM FOR ITEM 615, ROADS FOR MAINTAINING TRAFFIC.

R5

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
OHIO DEPARTMENT OF TRANSPORTATION
STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0057 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 02 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 9:51:51 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MN001.dgn

TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT (CONTINUED)

6. CONTRACTOR TIM CONTACTS SHALL PERFORM, AT A MINIMUM, THE FOLLOWING FUNCTIONS WHEN AN INCIDENT/CRASH OCCURS:

   A. IF OBSERVED OR PRESENT WHEN OCCURS, CALL 911 AND THEN NOTIFY THE TRAFFIC MANAGEMENT CENTER (TMC) TO PROVIDE THE FOLLOWING:

      I. LOCATION, INCLUDING MILEPOST NUMBER AND DIRECTION OF TRAVEL

      II. NUMBER AND TYPE OF VEHICLES INVOLVED, IF KNOWN

      III. ESTIMATED EXTENT OF DAMAGE OR INJURY, IF KNOWN

      IV. ESTIMATED NUMBER OF PATIENTS INVOLVED, IF KNOWN

      V. ANY POTENTIAL HAZARDOUS CONDITIONS, IF KNOWN

      VI. THE PLACARD NUMBER ON ANY HAZARDOUS MATERIALS PLACARD FROM A SAFE DISTANCE, IF APPLICABLE AND VISIBLE

   B. FOLLOWING AN INCIDENT/CRASH:

      I. INITIATE TRAFFIC MANAGEMENT/PROVIDE TEMPORARY TRAFFIC CONTROL AS INDICATED IN THE TIMP, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.

      II. RECOMMEND ROADWAY REPAIR NEEDS.

      III. PROVIDE REPAIR RESOURCES AND INITIATE REPAIRS, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.

      IV. ATTEND AND PARTICIPATE IN AN AFTER ACTION REVIEW (AAR).

ALL COSTS, UNLESS OTHERWISE SPECIFIED, RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE FOR ITEM 614, MAINTAINING TRAFFIC. FAILURE TO PERFORM THE REQUIREMENTS OF THIS PLAN NOTE WILL RESULT IN A DAILY FINE OF 2% OF ITEM 614, MAINTAINING TRAFFIC AND MAY RESULT IN ONE OR MORE CONTRACTOR TIM CONTACTS BEING REMOVED FROM THE LIST OF OHIO TIM TRAINED INDIVIDUALS (AT THE SOLE DISCRETION OF THE OHIO TIM EXECUTIVE COMMITTEE). IN THE EVENT AN INDIVIDUAL IS REMOVED FROM THE OHIO TIM TRAINED LIST, THE INDIVIDUAL WILL BE REMOVED FROM CONTRACTOR TIM CONTACT RESPONSIBILITIES ON ALL PROJECTS.

WHEN CALLED FOR IN THE PLANS , PLACE AREA PATROLLED BY AIRCRAFT (D12-H15A) BLACK-ON-FLUORESCENT ORANGE SIGNS IN THE ADVANCED WORK ZONE AREA BETWEEN THE FIRST AND SECOND SIGNS IN THE SERIES AND REPEATED AT EACH ENTRANCE RAMP WITHIN THE AIR SPEED CHECK ZONE. PAYMENT FOR AIR SPEED CHECK ZONE RELATED SIGNS IS INCLUDED IN THE LUMP SUM BID PRICE FOR MAINTAINING TRAFFIC.

ITEM 614, WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN

WORK ZONE RAISED PAVEMENT MARKERS, AS PER PLAN, AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614 OR C&MS 621 AS SPECIFIED HEREIN.

RAISED PAVEMENT MARKERS IN USE DURING THE SNOW-PLOWING SEASON SHALL CONFORM TO 621.

RAISED PAVEMENT MARKERS IN USE DURING THE NON-SNOW-PLOW SEASON SHALL CONFORM TO EITHER 614 OR TO 621.

THE SNOW-PLOWING SEASON SHALL RUN FROM DECEMBER 1ST THROUGH MARCH 31ST.

IF PROJECT DELAYS, NOT THE FAULT OF ODOT, CAUSE THE WORK TO EXTEND INTO THE SNOW-PLOWING SEASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING WORK ZONE RAISED PAVEMENT MARKERS (WZRPMS) CONFORMING TO C&MS 614, WITH RAISED PAVEMENT MARKERS CONFORMING TO 621, AS DETERMINED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN, INCLUDING FILLING OF ANY DEPRESSIONS CREATED IN THE PAVEMENT AS PER C&MS 621.08.

RESURFACING OF THE TRANSITION AREAS SHALL BE PERFORMED AT THE TIME THAT THE SURFACE COURSE IS BEING APPLIED TO THE ENTIRE PROJECT. PRIOR TO APPLICATION OF THE SURFACE COURSE ON THE PROJECT, THE EXISTING PAVEMENT WITHING THE TRANSITION AREA SHALL BE REMOVED TO A DEPTH NECESSARY TO REACH THE LEVEL OF THE INTERMEDIATE COURSE OF THE PAVEMENT, AS DETERMINED BY THE ENGINEER.

ITEM 614, WORK ZONE RAISED PAVEMENT MARKERS ON PERMANENT CONCRETE SURFACES

RAISED PAVEMENT MARKERS IN WORK ZONES, INSTALLED ON PERMANENT CONCRETE SURFACES, SHALL BE ITEM 614 WORK ZONE RAISED PAVEMENT MARKERS. WZRPMS ARE INTENDED FOR USE ONLY DURING THE NON-SNOW-PLOWING SEASON. WZRPMS SHALL NOT BE PROVIDED DURING THE SNOW-PLOWING SEASON.

THE SNOW-PLOWING SEASON SHALL RUN FROM DECEMBER 1ST THROUGH MARCH 31ST.

WHERE A TEMPORARY ALIGNMENT WILL REMAIN IN USE THROUGH THE WINTER, THE WZRPMS SHALL BE REMOVED PRIOR TO THE BEGINNING OF THE SNOW-PLOWING SEASON AND REPLACED APPROXIMATELY APRIL 1, OR AS OTHERWISE DETERMINED BY THE ENGINEER.

THIS ITEM SHALL INCLUDE PURCHASE, INSTALLATION AND REMOVAL OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKERS.

AN ESTIMATED QUANTITY OF ITEM 614 WORK ZONE RAISED PAVEMENT MARKER HAS BEEN PROVIDED IN MOT SUBSUMMARY AND CARRIED TO THE MOT GENERAL SUMMARY.

RAISED PAVEMENT MARKER REFLECTORS DURING SNOW-PLOW SEASON

ACCORDING TO C&MS 614.11.G.2, THE CONTRACTOR SHALL REMOVE REFLECTORS FROM ALL RAISED PAVEMENT MARKER CASTINGS IN CONFLICT WITH THE LOCATION OF PAVEMENT MARKINGS THAT WILL BE IN USE DURING THE SNOW-PLOW SEASON. THE COST OF THIS WORK IS INCIDENTAL TO ITEM 614, WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN.

FOR EXISTING RAISED PAVEMENT MARKER CASTINGS THAT WERE REMOVED DURING PREVIOUS MOT PHASES AND ARE NOT IN CONFLICT WITH THE LOCATION OF PAVEMENT MARKINGS DURING THE SNOW-PLOW SEASON, THE CONTRACTOR SHALL INSTALL REFLECTORS CONFORMING TO 721.02 PER 614.11.G.2. NO SEPARATE PAYMENT WILL BE MADE.

DELINEATION OF PORTABLE AND PERMANENT BARRIER

BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INSTALLED ON ALL PORTABLE BARRIER (PB) USED FOR TRAFFIC CONTROL; AND, ON PERMANENT CONCRETE BARRIER (INCLUDING BRIDGE RAILINGS) LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE.

BARRIER REFLECTORS SHALL CONFORM TO C&MS 626, EXCEPT THAT THE SPACING SHALL BE AS PER TRAFFIC SCD MT-101.70. OBJECT MARKERS AND THEIR INSTALLATION SHALL CONFORM TO C&MS 614.03 AND SCD MT-101.70. WHEN THE PB CONTAINS GLARE SCREEN, ONE SET OF THREE VERTICAL STRIPES OF SHEETING SHALL BE CONSIDERED EQUIVALENT TO AN OBJECT MARKER, ONE-WAY.

INCREASED BARRIER DELINEATION, AS SPECIFIED HEREIN, SHALL BE INSTALLED ON ALL PB AND PERMANENT CONCRETE BARRIER LOCATED WITHIN 5 FEET OF THE EDGE OF THE TRAVELED LANE UNDER EITHER OF THE FOLLOWING CONDITIONS: ALONG TAPERS AND TRANSITION AREAS; OR ALONG CURVES (OUTSIDE ONLY) WITH DEGREE OF CURVATURE GREATER THAN OR EQUAL TO 3 DEGREES.

THE INCREASED BARRIER DELINEATION SHALL CONSIST OF EITHER DELINEATION PANELS OR THE TRIPLE STACKING OF WORK ZONE BARRIER REFLECTORS.

DELINEATION PANELS SHALL CONSIST OF PANELS OF DELINEATION, APPROXIMATELY 34 INCHES LONG AND 6 INCHES WIDE AND SHALL BE CRIMPED. PANELS SHALL BE INSTALLED AND SPACED PER TRAFFIC SCD MT-101.70.

TRIPLE-STACKED BARRIER REFLECTORS SHALL CONSIST OF ALIGNING THREE BARRIER REFLECTORS VERTICALLY, AT LOCATIONS WHERE A SINGLE BARRIER REFLECTOR WOULD OTHERWISE BE ATTACHED. THERE SHALL BE NO OPEN SPACE BETWEEN THE ADJACENT BARRIER REFLECTORS. THE TRIPLE-STACKED BARRIER REFLECTORS SHALL TO C&MS 626, EXCEPT THAT THEY SHALL BE SPACED AND ALIGNED PER TRAFFIC SCD MT-101.70.

ESTIMATED QUANTITIES FOR STANDARD DELINEATION HAVE BEEN INCLUDED IN MOT SUBSUMMARY AND CARRIED TO THE MOT GENERAL SUMMARY. THE FOLLOWING ESTIMATED QUANTITY HAS BEEN CARRIED TO THE GENERAL SUMMARY:

ITEM 614 - INCREASED BARRIER DELINEATION — 267,800 FEET (R3, R8)

ALONG RUNS OF INCREASED BARRIER DELINEATION WHERE THIS ITEM IS PROVIDED, THE QUANTITY SHALL BE MEASURED AS THE ENTIRE LENGTH OF THE RUN OF INCREASED BARRIER DELINEATION, INCLUDING THE SPACES BETWEEN THE INDIVIDUAL DELINEATION PANELS OR STACKS OF BARRIER REFLECTORS.

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

DELINEATION OF TEMPORARY AND PERMANENT GUARDRAIL

BARRIER REFLECTORS SHALL BE INSTALLED ON ALL TEMPORARY GUARDRAIL USED FOR TRAFFIC CONTROL; AND, ON ALL PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. BARRIER REFLECTORS SHALL CONFORM TO C&MS 626 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET.

OBJECT MARKERS SHALL BE INSTALLED ON ALL TEMPORARY AND PERMANENT GUARDRAIL LOCATED WITHIN 5 FEET OF THE EDGE OF THE ADJACENT TRAVEL LANE. GUARDRAIL-MOUNTING OF OBJECT MARKERS SHALL BE MADE BY INSTALLING THE OBJECT MARKERS ON THE EXTENSION BLOCKS RATHER THAN DIRECTLY ONTO THE GUARDRAIL ITSELF. OBJECT MARKERS SHALL CONFORM TO C&MS 614.03 AND THE SPACING SHALL BE APPROXIMATELY 50 FEET WITH A 25 FOOT OFFSET FROM THE BARRIER REFELCTORS.

ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN MOT SUBSUMMARY AND CARRIED TO THE MOT GENERAL SUMMARY.

PAYMENT SHALL BE FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING THE ABOVE ITEM(S).

ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE DURING CONSTRUCTION OPERATIONS

USE OF LAW ENFORCEMENT OFFICERS (LEOS) BY CONTRACTORS OTHER THAN THE USES SPECIFIED BELOW WILL NOT BE PERMITTED AT PROJECT COST. LEOS SHOULD NOT BE USED WHERE THE OMUTCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) SHALL BE PROVIDED FOR THE FOLLOWING TRAFFIC CONTROL TASKS:

DURING THE ENTIRE ADVANCE PREPARATION AND CLOSURE SEQUENCE WHERE COMPLETE BLOCKAGE OF TRAFFIC IS REQUIRED.

DURING A TRAFFIC SIGNAL INSTALLATION WHEN IMPACTING THE NORMAL FUNCTION OF THE SIGNAL OR THE FLOW OF TRAFFIC, OR WHEN TRAFFIC NEEDS TO BE DIRECTED THROUGH AN ENERGIZED TRAFFIC SIGNAL CONTRARY TO THE SIGNAL DISPLAY (E.G., DIRECTING MOTORISTS THROUGH A RED LIGHT).

IN ADDITION TO THE REQUIREMENT OF C&MS 614 AND THE OMUTCD, A UNIFORMED LEO WITH AN OFFICIAL PATROL CAR (CAR WITH TOP-MOUNTED EMERGENCY FLASHING LIGHTS AND COMPLETE MARKINGS OF THE APPROPRIATE LAW ENFORCEMENT AGENCY) MAY BE PROVIDED FOR THE FOLLOWING TRAFFIC TRAFFIC CONTROL TASKS AS APPROVED BY THE ENGINEER:

FOR LANE CLOSURES: DURING INITIAL SET-UP PERIODS, TEAR DOWN PERIODS, SUBSTANTIAL SHIFTS OF A CLOSURE POINT OF WHEN NEW LANE CLOSURE ARRANGEMENTS ARE INITIATED FOR LONG-TERM LANE CLOSURES/SHIFTS (FOR THE FIRST AND LAST DAY OF MAJOR CHANGES IN TRAFFIC CONTROL SETUP).

FOR OPERATIONS WITHOUT POSITIVE PROTECTION OCCURRING WITHIN 10 FEET OF AN OPEN TRAVELED LANE THAT MEET ALL OF THE FOLLOWING CRITERIA:

ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND, AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0060 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 05 PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 11:55:58 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\40-Engineering\MOT\Sheets\76779_MN001.dgn

SEQUENCE OF CONSTRUCTION

FOR TEMPORARY DRAINAGE, SEE MOT PLANS AND DRAINAGE DETAILS

PHASE 1A

TRAFFIC:
1. SHIFT IR 90 WESTBOUND 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, MC 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
5. WOOSTER ROAD STRUCTURE CUY-00020-08.470 FASCIA BEAM REPAIRS

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
3. ALL RAMPS ARE OPEN

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. RAMP HA IS CLOSED
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. TRUNK STORM SEWER FROM IN FRONT OF WOOSTER ROAD REAR ABUTMENT TO MANHOLE D6.
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

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.

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
STRUCTUREPOINT LLC

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: 4/18/2025 TIME: 9:53:39 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MN001.dgn

ITEM 611, (MULTIPLE ITEMS), AS PER PLAN

FOR ALL TEMPORARY DRAINAGE ITEMS LISTED IN THE TABLE ON THIS SHEET THAT WILL BE INSTALLED AND SUBSEQUENTLY REMOVED OR ABANDONED SHALL CONFORM TO ALL PROVISIONS OF C&MS 611 EXCEPT 611.04.D, TESTING ACCORDING TO SUPPLEMENT 1015 IN 611.06, AND 611.12. THIS APPLIES TO THE FOLLOWING ITEMS:

611 - 15" CONDUIT, TYPE B, AS PER PLAN

611 - 18" CONDUIT, TYPE B, AS PER PLAN

611 - 21" CONDUIT, TYPE B, AS PER PLAN

611 - 24" CONDUIT, TYPE B, AS PER PLAN

611 - 42" CONDUIT, TYPE C, AS PER PLAN

611 - 60" CONDUIT, TYPE C, AS PER PLAN

611 - CATCH BASIN, NO. 5, AS PER PLAN

611 - CATCH BASIN, NO. 6, AS PER PLAN

611 - INLET, NO. 2-A-6, AS PER PLAN

611 - MANHOLE, NO. 3, AS PER PLAN (3)

R8

R4

TEMPORARY CONNECTION TABLE

#	CONNECTION FROM				CONNECTION TO				TEMP. CONDUIT			MOT PHASE CONSTRUCTION	MOT PHASE SERVICE
	STATION	OFFSET	REF. NO.	INVERT	STATION	OFFSET	REF. NO.	INVERT	SIZE	LENGTH	TYPE		
TB-1	332+70	CL			333+00	CL			15	30	B	1	5
TB-2	530+50	3.2' LT	EX	667.34	530+69	2.8' RT	D83	667.25	21	19	B	2	5
TB-3	530+69	69.8' RT	D79	664.42	530+50	72.1' RT	EX	664.33	24	19	C	2	3
TB-4	536+00	79.4' RT	EX	660.89	537+48	85.4' RT	D62	660.16	30	147	C	1	3
TB-5	536+00	CL	EX	672.05	536+65	2.5' RT	D66	671.73	15	65	B	2	5
TB-6	542+01	CL			542+25	CL			15	24	B	1	5
TB-7	542+75	2.0' LT	EX	672.56	542+75	6.4' RT	D26	672.52	18	8	B	2	5
TB-8	545+10	111.7' RT	D19	655.20	545+35	92.0' RT	EX	655.09	42	22	C	1	3
TB-9	547+24	CL	EX	676.23	547+65	2.8' RT	D12	676.03	15	41	B	2	5
TB-10	554+00	75.7' RT	EX	684.45	553+75	76.9' RT	D7	684.33	21	25	C	1	3
TB-11	554+00	CL	EX	686.6	553+75	2.5' RT	D9	686.48	18	25	B	2	5
TB-12	574+00	8.4' RT	D108	685.41	574+25	7.5' RT	EX	685.34	18	25	B	2	5
TB-13	574+25	70.0' RT	EX	684.55	573+94	81.0' RT	D103	684.39	24	32	C	3	5
TB-14	583+24	2.9' LT	D134	690.76	583+08	2.3' LT	EX	690.68	24	16	B	2	5
TB-15	583+17	78.0' LT	EX	689.08	582+86	76.9' LT	D128	688.93	27	31	C	1	5
TB-16	584+62	90.3' LT			TEMPORARY MANHOLE							1	5
TB-17	621+47	50' RT	D220	704.51	621+58	50' RT	EX	707.29	24	11	B	2	3
TB-18	629+57	42.5' RT	D246	708.48	629+50	42.2' RT	EX	711.49	15	7	B	2	3
TB-19	639+00	CL			639+25	7.3' LT			15	25	B	1	5
TB-20	639+25	7.3' LT			TEMPORARY CB NO. 6							1	5
TB-21	639+25	7.3' LT			641+81	7.3' LT			15	255	B	1	5
TB-22	655+00	12.0' RT	EX	725.37	654+95	16.2' LT	D319	725.22	18	30	C	1	3
TB-23	655+00	37.2' LT	EX	724.63	654+95	16.2' LT	D319	724.52	18	21	C	1	4
TB-24	654+98	94.5' RT	D320	722.95	654+98	94.5' RT	EX	726.59				2	3
TB-25	660+50	47.0' RT	EX	739.80	660+50	19.5' RT	D336	739.66	21	27	C	1	3
TB-26	61+67	27.0' LT	D340	744.39	60+53	14.0' RT	EX	743.82	15	115	C	2	3
TB-27	665+09	29.7' RT	D400	752.32	660+50	74.0' RT	EX	745.44	15	459	C	2	3
TB-28	677+53	133.8' RT	EX	743.18	678+15	100.0' RT	D365	742.83	36	69	C	1	3
TB-29	694+90	2.0' LT	D438	778.80	695+00	CL	EX	778.77	15	9	C	2	5
TB-30	708+75	25.8' LT	EX	749.41	709+28	15.0' LT	D920	749.14	15	54	C	1	5
TB-31	718+75	26.7' LT	EX	740.68	718+50	15.0' LT	D911	740.55	15	26	C	1	5
TB-32	728+00	26.9' LT	EX	731.67	727+73	15.0' LT	D875	731.52	15	30	C	1	5
TB-33	736+00	27.0' LT	EX	722.11	735+76	10.0' LT	D856	721.96	21	30	C	1	5
TB-34	39+58	10.0' RT	D845	719.73	40+50	3.3' RT	EX	719.32	24	83	B	2	3
TB-35	744+25	26.9' LT	EX	718.45	745+05	10.5' LT	D825	718.04	21	82	C	1	5
TB-36	817+50	CL			819+15	CL			15	165	C	1	5

R8

R8

TEMPORARY DRAINAGE

THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE FOR ALL EXISTING STORM SEWER CONDUITS AND STRUCTURES UNLESS OTHERWISE NOTED IN THE PLANS.

CROSSOVER DRAINAGE

SLOTTED DRAINS WILL BE PLACED AT ALL MEDIAN CROSSOVER LOCATIONS DURING MOT. DETAILS FOR THE MEDIAN CROSSOVERS AND THEIR TEMPORARY DRAINAGE ARE DETAILED IN THE MOT PLANS. THESE SLOTTED DRAINS WILL BE TEMPORARILY CONNECTED TO THE CLOSEST EXISTING DRAINAGE STRUCTURE OR OUTLET TO THE EXISTING MEDIAN DITCH DEPENDING ON THE CROSSOVER LOCATION. THE OUTLET LOCATION OF THE SLOTTED DRAINS ARE SHOWN ON THE CROSSOVER DETAILS. SLOTTED DRAIN PIPE SHALL BE SLOPED TO DRAIN TO THE OUTLET LOCATION. THE MEDIAN CROSSOVERS SHOULD BE GRADED TO DRAIN EITHER TO EXISTING DRAINAGE STRUCTURES TO REMAIN, MEDIAN DITCHES, OR THE TEMPORARY SLOTTED DRAINS.

ITEM 614 MAINTAINING TRAFFIC, MISC.: TROUGHS

TEMPORARY TROUGHS WILL BE ADDED THROUGHOUT THE CORRIDOR TO CONTROL THE SPREAD FOR THE TWO-YEAR STORM DURING CONSTRUCTION. THE LOCATION AND SIZE OF THESE TROUGHS ARE SHOWN IN THE MOT PLANS. WHERE THE TROUGHS ARE PLACED WITHIN EXISTING PAVEMENT LIMITS, THE PLAN SPECIFIED DEPTH WILL BE MILLED FROM THE TROUGH AREA SHOWN IN THE PLANS. IN LOCATIONS WHERE THE TROUGHS ARE TO BE PLACED WITHIN PROPOSED PAVEMENT LIMITS, THE INTERMEDIATE COURSE WILL NOT BE PLACED WITHIN THE TROUGH AREAS UNTIL THE MOT PHASES FOR WHICH THEY ARE REQUIRED ARE COMPLETED. A 3:1 SLOPE SHALL BE MAINTAINED ON TROUGHS DEPTHS OVER 1.5". THE ABOVE WORK WILL BE PAID FOR AT THE CONTRACT PRICE PER FOOT FOR ITEM 614 MAINTAINING TRAFFIC, MISC.: TROUGHS.

TEMPORARY CONNECTIONS

TO MAINTAIN FLOW, THE EXISTING TRUNK LINE WILL REMAIN IN SERVICE WHILE THE PROPOSED TRUNK LINE IS BEING CONSTRUCTED, UNLESS REMOVAL IS REQUIRED BASED ON THE LOCATION OF THE NEW SEWER.

THE TRUNK LINE DRAINING TO OUTFALL B WILL BE CONSTRUCTED IN PHASE 1, AND WILL REQUIRE REMOVAL OF THE EXISTING SEWER. BOTH PROPOSED AND EXISTING INLETS WILL BE CONNECTED TO THE NEW TRUNK LINE AS IT IS CONSTRUCTED. A TEMPORARY CONNECTION WILL BE REQUIRED FROM D19 TO THE EXISTING MANHOLE TO THE EAST UNTIL THE REMAINDER OF THE TRUNK LINE UNDER PAVEMENT CAN BE COMPLETED IN PHASE 3A.

OUTFALL C WILL BE CONSTRUCTED IN PHASE 1 AND WILL REQUIRE TEMPORARY CONNECTIONS FOR THE INLETS ON THE NORTH SIDE OF IR 90 WB, AS DESCRIBED BELOW.

THE PROPOSED TRUNK LINE FOR OUTFALL D WILL BE INSTALLED DURING PHASE 1 CONSTRUCTION, WITH THE EXISTING TRUNKLINE REMAINING IN SERVICE. TEMPORARY CONNECTIONS WILL BE REQUIRED AS DESCRIBED BELOW. IN ORDER TO MAINTAIN DRAINAGE IN BOTH THE EXISTING AND PROPOSED SYSTEMS, STRUCTURE D140 WILL MAINTAIN THE EXISTING 60" CONDUIT CONNECTING FROM THE EAST UNTIL THE EXISTING SYSTEM IS NO LONGER IN USE. AT THAT TIME, THE EXISTING 60" FROM THE EAST CAN BE REMOVED/PLUGGED AT THE MANHOLE.

OUTFALL E CAN BE CONSTRUCTED IN PHASES 1 AND 3 TO D358. THE CROSSING UNDER RAMP 140-3 WILL BE COMPLETED IN PHASE 5.

OUTFALL M WILL BE CONSTRUCTED UP TO THE POINT WHERE IT TIES IN WITH THE EXISTING TRUNKLINE AT WEST BOULEVARD. THE NEW TRUNKLINE WILL BE CONSTRUCTED IN THE MEDIAN DURING PHASE 1. THE 54" PIPE CROSSING FROM THE MEDIAN TO THE NORTHERN INFIELD WILL BE JACKED/BORED AND THE TRUNKLINE INSTALLATION IN THE INFIELD WILL ALSO TAKE PLACE DURING PHASE 2.

TEMPORARY DRAINAGE CONNECTIONS WILL BE REQUIRED WHEN THE EXISTING BARRIER AND INLETS ARE REMOVED, AND EXISTING INLETS ON THE NORTH AND SOUTH SIDE OF THE HIGHWAY ARE NO LONGER CONNECTED TO THE EXISTING TRUNK LINE. IN GENERAL, THE PROPOSED TRUNK LINE WILL BE CONSTRUCTED DURING THE FIRST ROADWAY PAVEMENT PHASE (PHASES 1 AND 2). WHEN THE NEW TRUNK LINE IS INSTALLED, PORTIONS OF THE EXISTING SYSTEM WILL BE REMOVED AND/OR DISCONNECTED, AND EXISTING INLETS NEED TO BE TEMPORARILY CONNECTED TO MAINTAIN POSITIVE FLOW.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

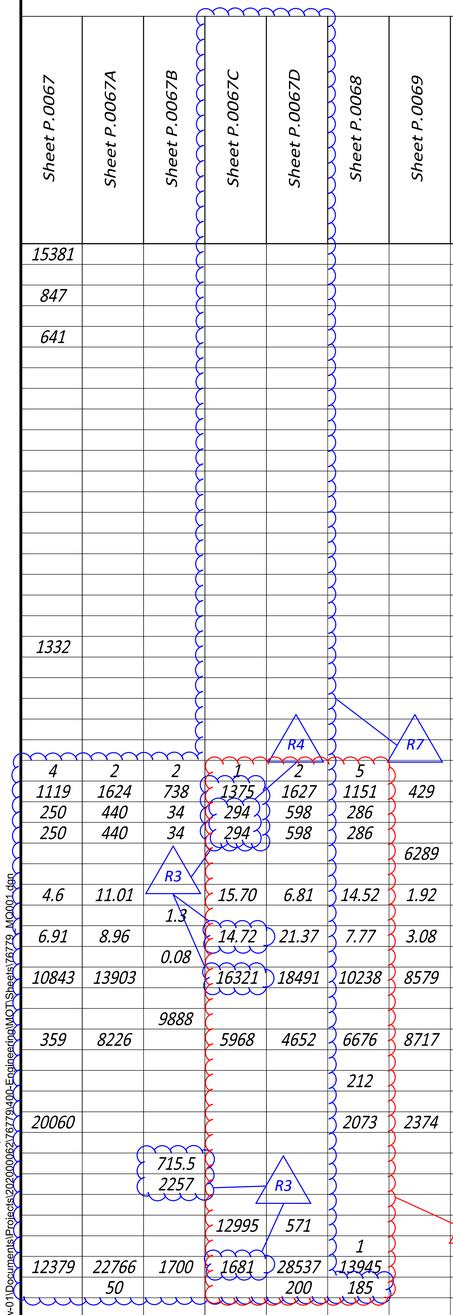
SHEET P.0063 | TOTAL P.1587

CUY-90-6.83

MODEL: Sheet 08 PAPERSIZE: 34x22 (in.) DATE: 4/22/2025 TIME: 10:03:32 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\40-Engineering\MOT\Sheets\76779_MN001.dgn

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	2	5				7	4	1		3			8	4	1	2	6		614	12380	52	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
1119	1624	738	1375	1627	1151	429			355	127			1376	409		569	106	88	1213			614	12801	12,306	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	P.0060
250	440	34	294	598	286		356	40	381	408	149	113	1747		12	342	123	188	100	76		614	13310	5,937	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
250	440	34	294	598	286		356	40	381	408	149	113	1747		12	342	123	188	100	76		614	13350	5,937	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	6.81	14.52	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	21.37	7.77	3.08		0.91	9.31	1.26	1.37	0.69	27.93	1.4	0.16	10.6	1.88	1.68	0.48			614	22056	120.48	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		16321	18491	10238	8579		100	5410	2535	843		10702	8189		7039	2480	1768	530			614	23110	117,971	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	6676	8717		835	3872	2925	1264		7248	3738	760	4338	1802					614	24102	61,380	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	
			12995	571									31090									622	41011	44,656	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	28537	13945			755	16722	7126	7467	5635	22345		605	12249	5134	8185	5000	3820		622	41100	176,051	FT	PORTABLE BARRIER, UNANCHORED	
	50			200	185			1226	2332	385			2805			4853	1040	1235				622	41111	14,311	FT	PORTABLE BARRIER, ANCHORED, AS PER PLAN	P.0057



MAINTENANCE OF TRAFFIC SUB-SUMMARY

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0066 | TOTAL P.1587

CUY-90-6.69

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 6:22:23 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\200006276779\400-Engineering\401-Sheets\76779_K0001.dgn

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-20	IR 90	816+66.00	826+56.00	RT	1	A			198						2970										
	WCH-21	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-22	IR 90	823+87.00	826+19.00	LT	1	A			12						232										
	WCH-23	IR 90 WB	822+38.00	836+18.00	LT	1	A			276						4140										
	WCH-24	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-25	IR 90	555+50.00	568+10.00	RT	1	A			126						1260										
	WCH-27	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

R8 R7

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 1B PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:56:43 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0067B TOTAL P.1587

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				260	260									12995				
	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								
	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	1375	294	294		15.70	5.19	9.53	16321	5968			12995		1681		

R7

R8

R8

R8

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

MODEL: Sheet 1C PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 4:45:14 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000662\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

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)
	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-10	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-11	IR 90	795+85.00	803+21.00	RT	1	B											736							
	WDL-12	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										
	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										
	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	573+90.00	RT	2	A				102	102											5105		
	PB-2	IR 90	573+90.00	574+90.00	RT	2	A				2	2												100	
	PB-2	IR 90	574+90.00	581+95.00	RT	2	A				14	14											705		
	PB-2	IR 90	581+95.00	582+95.00	RT	2	A				2	2												100	
	PB-2	IR 90	582+95.00	636+00.00	RT	2	A				455	455											22727		
	TOTALS CARRIED TO SHEET P.0066							2	1627	598	598		6.81	6.57	14.80	18491	4652		571		28537	200		

R3 R3 R8 R8 R7

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

MODEL: Sheet 1D PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 5:20:07 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

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
	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-10	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-11	IR 90	630+11.00	643+00.00	LT	2	A			226							4512							
	WCH-12	IR 90	624+65.00	643+29.00	RT-LT	2	A			131							2627							
	WGM-	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	694+65.00	RT	2	A				115	115											5746	
	PB-3	IR 90	694+65.00	696+50.00	RT	2	A				4	4												185
	PB-3	IR 90	696+50.00	771+80.00	RT	2	A				151	151											7530	
	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-13	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-14	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									
											R3	R7						R8		R8	R7	R3		R8	
	TOTALS CARRIED TO SHEET P.0066							5	1151	283	283		14.52	2.99	4.78	10238	6676	212	2073		1	13945	185	

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 4:33:44 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0068 | 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 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	342+33.00	350+21.00	RT	3	A			39							788										
	WEL-1	IR 90 - RAMP MD	342+33.00	92+21.00	RT	3	A								1.43												
	WYL-1	IR 90	342+33.00	635+66.00	RT	3	A									2.26											
	WLL-1	IR 90	350+21.00	626+33.00	RT	3	A			85				1.93													
	ATT-1	IR 90	351+27.00		RT	3	A		1																		
	PB-1	IR 90	351+27.00	573+90.00	RT	3	A				97	97													4843		
	PB-1	IR 90	573+90.00	574+90.00	RT	3	A				2	2														100	
	PB-1	IR 90	574+90.00	581+95.00	RT	3	A				14	14													705		
	PB-1	IR 90	581+95.00	582+95.00	RT	3	A				2	2														100	
	PB-1	IR 90	582+95.00	584+22.00	RT	3	A				3	3													127		
	WDL-2	IR 90	583+72.00	587+88.00	LT	3	A												416								
	WCH-3	IR 90 - RAMP MD	587+88.00	90+18.00	RT-LT	3	A			22							443										
	ATT-4	IR 90	588+84.00		RT	3	A		1															1			
	PB-4	IR 90	588+84.00	609+83.00	RT	3	A				48	48													2388		
	WYL-3	RAMP MD	90+18.00	91+72.00	RT	3	A									0.03											
	WEL-3	IR 90	590+00.00	610+20.00	RT	3	A								0.38												
	WEL-4	RAMP ME - RAMP W2	5+93.00	29+90.00	LT	3	A								0.45												
	WYL-4	RAMP ME	9+13.00	10+42.00	LT	3	A									0.02											
	WCH-4	RAMP ME - IR 90	10+42.00	612+94.00	LT-RT	3	A			26							515										
	ATT-5	IR 90	612+81.00		RT	3	A		1																		
	PB-5	IR 90 - RAMP W2	612+81.00	4+47.00	RT	3	A				30	30														1482	
	WDL-3	IR 90	612+94.00	625+61.00	RT	3	A												1469								
	WCH-5	IR 90	625+61.00	628+80.00	RT	3	A			26							516										
	ATT-6	IR 90	627+45.00		RT	3	A		1															1			
	PB-6	IR 90	627+45.00	665+61.00	RT	3	A				80	80													4011		
	WCH-6	IR 90	626+33.00	638+17.00	RT	3	A			79							1584										
	WYL-5	RAMP W2	27+54.00	29+49.00	LT	3	A									0.04											
	WEL-4	IR 90	628+80.00	667+00.00	RT	3	A								0.72												
	WYL-6	IR 90	638+17.00	774+01.00	RT	3	A									2.57											
	WEL-5	RAMP W2A - IR 90	61+94.00	684+75.00	LT-RT	3	A								0.43												
	ATT-6A	RAMP W2A - IR 90	63+17.00		LT	3	A		1																		
	PB-6A	RAMP W2A - IR 90	63+17.00	65+62.00	LT	3	A				5	5													245		
	WYL-7	RAMP W2A - IR 90 EB	64+45.00	67+10.00	LT	3	A									0.05											
	WCH-7	IR 90 EB	67+00.00	70+24.00	LT	3	A										638										
	ATT-7	IR 90 EB	69+83.00		LT	3	A		1	32																	
	PB-7	IR 90 EB - IR 90	69+83.00	682+89.00	LT-RT	3	A				26	26													656	650	
	WDL-4	IR 90 EB - IR 90	70+24.00	681+90.00	LT-RT	3	A												1166								
	WEL-6	RAMP 140-4 - RAMP 117-8	78+80.00	25+16.00	LT	3	A								0.89												
	WYL-8	RAMP 140-4 - IR 90	82+95.00	684+75.00	LT-RT	3	A									0.04											
	WCH-8	IR 90	684+75.00	689+38.00	RT	3	A			46							926										
	WDL-5	IR 90	689+38.00	697+58.00	RT	3	A												821								
	ATT-8	IR 90	683+63.00		RT	3	A		1																		
	PB-8	IR 90	683+63.00	721+10.00	RT	3	A				75	75													3747		
	TOTALS CARRIED TO SHEET P.0066								7	355	381	381		1.93	4.30	5.01	5410	3872				2	16722	2332		

CUY-90-6.69

MODEL: Sheet 6 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 4:34:43 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0072 | TOTAL P.1587

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
	PB-8	IR 90	683+63.00	694+65.00	RT	3	A				22	22												1102	
	PB-8	IR 90	694+65.00	696+50.00	RT	3	A				4	4													185
	PB-8	IR 90	696+50.00	721+10.00	RT	3	A				49	49												2460	
	WDL-6	IR 90	716+00.00	721+65.00	RT	3	A												568						
	WCH-9	IR 90	721+65.00	723+20.00	RT	3	A			23							456								
	WEL-7	IR 90	723+20.00	731+50.00	RT	3	A								0.16										
	ATT-9	IR 90	722+80.00		RT	3	A		1																
	PB-9	IR 90	722+80.00	730+50.00	RT	3	A				15	15												770	
	WYL-9	RAMP 117-7	29+20.00	30+20.00	LT	3	A									0.02									
	WEL-8	RAMP 117-7 - IR 90	30+20.00	740+90.00	LT/RT	3	A								0.21										
	WCH-10	IR 90	731+50.00	732+55.00	RT	3	A			17							340								
	ATT-10	IR 90	734+18.00		RT	3	A		1																
	WDL-7	IR 90	732+55.00	740+90.00	RT	3	A												835						
	PB-10	IR 90	734+18.00	739+82.00	RT	3	A				11	11												564	
	WEL-9	RAMP 117-9 - RAMP W14	37+47.00	64+55.00	LT	3	A								0.50										
	WYL-10	RAMP 117-9	39+47.00	41+69.00	LT	3	A									0.04									
	WCH-11	IR 90	740+90.00	743+84.00	RT	3	A			26							511								
	ATT-11	RAMP 117-9	43+16.00		LT	3	A		1																
	PB-11	RAMP 117-9 - IR 90	43+16.00	758+85.00	LT/RT	3	A				27	27												1370	
	PB-11	IR 90	756+85.00	758+85.00	RT	3	A				4	4													200
	WDL-8	IR 90	743+84.00	759+04.00	RT	3	A												1522						
	WCH-12	IR 90	759+04.00	760+47.00	RT	3	A			17							337								
	WEL-10	IR 90	760+47.00	774+01.00	RT	3	A								0.26										
	WYL-11	RAMP W14	60+96.00	64+55.00	LT	3	A									0.07									
	ATT-12	IR 90	761+40.00		RT	3	A		1																
	PB-12	IR 90	761+40.00	769+87.00	RT	3	A				17	17												860	
	WCH-13	IR 90	765+10.00	774+01.00	RT	3	A			45							891								
		IR 90			LT	3	A				257	257													
	TD-49	IR 90	354+17.00	529+87.00	RT	3	A						150												
	TD-50	IR 90	530+63.00	530+75.00	RT	3	A						12												
	TD-51	IR 90	531+51.00	533+68.00	RT	3	A						217												
	TD-52	IR 90	536+65.00	538+53.00	RT	3	A						188												
	TD-53	IR 90	542+00.00	544+75.00	RT	3	A						275												
	TD-54	IR 90	547+65.00	550+24.00	RT	3	A						259												
	TD-55	IR 90	553+75.00	556+34.00	RT	3	A						259												
	TD-56	IR 90	574+00.00	575+30.00	RT	3	A						30												
	TD-57	IR 90	600+50.00	600+90.00	RT	3	A						40												
	TD-58	IR 90	603+76.00	604+82.00	RT	3	A						106												
	TD-59	IR 90	610+49.00	611+75.00	RT	3	A						126												
	TD-60	IR 90	616+06.00	616+66.00	RT	3	A						60												
	TD-61	IR 90	617+28.00	617+82.00	RT	3	A						256												
	TD-62	IR 90	621+86.00	625+19.00	RT	3	A						333												
	TD-63	IR 90	629+50.00	631+13.00	RT	3	A						163												
	TD-64	NOT USED																							
	TOTALS CARRIED TO SHEET P.0066								4	127	408	408	2474		1.13	0.13	2535	2925				7126	385		

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 7 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 4:36:14 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0073 | TOTAL P.1587

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		
	WCH-1	IR 90	332+89.00	341+00.00	LT/RT	4	A			107							2131									
	WYL-1	IR 90	332+89.00	821+14.00	LT/RT	4	A									11.88										
	PB-1	IR 90	334+30.00	817+34.00	RT/LT	4	A				1244	1244									31090					
	WEL-1	IR 90	335+89.00	540+44.00	RT	4	A								0.58											
	WEL-2	IR 90	338+00.00	543+25.00	RT	4	A								0.59											
	WYL-2	IR 90	338+76.00	543+00.00	LT	4	A									0.57									R4	
	WLL-1	IR 90	341+00.00	540+44.00	RT	4	A			42				0.96												
	PB-2	IR 90	353+12.00	541+62.00	LT	4	A				7	7											1	360		
	PB-2	IR 90	353+12.00	539+52.00	LT	4	A				24	24													1220	
	WCH-2	IR 90	536+58.00	542+68.00	LT/RT	4	A			63							1257									
	WYL-3	RAMP HA	33+00.00	40+44.00	LT	4	A									0.14										
	WATT-1	IR 90	541+62.00		LT	4	A		1																	
	WEL-3	RAMP HA	33+00.00	34+20.00	LT	4	A								0.02											
	WDL-1	RAMP HA	34+20.00	35+00.00	LT	4	A											80								
	WEL-4	RAMP HA - RAMP MD	35+00.00	89+22.00	LT/RT	4	A								1.03											
	WCH-3	IR 90	540+44.00	549+44.00	RT	4	A			107							2142									
	WDL-2	IR 90	542+15.00	557+00.00	RT	4	A											1485								
	WCH-4	IR90	543+25.00	556+44.00	LT/RT	4	A			75							1505									
	WYL-4	IR 90	542+68.00	817+23.00	LT	4	A									5.24										R8
	PB-3	IR 90	545+90.00	573+90.00	LT	4	A		1		56	56												2800		
	PB-3	IR 90	573+90.00	574+90.00	LT	4	A				2	2													100	
	PB-3	IR 90	574+90.00	581+95.00	LT	4	A				14	14												705		
	PB-3	IR 90	581+95.00	582+95.00	LT	4	A				2	2													100	
	PB-3	IR 90	582+95.00	619+00.00	LT	4	A				76	76												3807		
	PB-3	IR 90	619+00.00	631+00.00	LT	4	A				24	24													1200	
	PB-3	IR 90	631+00.00	694+65.00	LT	4	A				127	127												6365		
	PB-3	IR 90	694+65.00	696+50.00	LT	4	A				4	4													185	
	PB-3	IR 90	696+50.00	776+68.00	LT	4	A				160	160												8018		
	WEL-5	IR 90	543+05.00	817+23.00	RT	4	A								5.23											
	WCH-5	IR 90	547+66.00	553+24.00	LT	4	A			28							558									
	WLL-2	IR 90	549+44.00	808+90.00	RT	4	A			798				18.14												
	WDL-4	IR 90	584+36.00	589+22.00	RT	4	A											486								
	WCH-5	IR 90	589+22.00	590+50.00	RT	4	A			13							256									
	WEL-6	IR 90	590+50.00	610+20.00	RT	4	A								0.37											
	WCH-6	IR 90	610+20.00	613+52.00	RT	4	A			33							664									
	WDL-5	IR 90	613+52.00	627+47.00	RT	4	A											1597								
	WEL-7	IR 90	616+45.00	626+40.00	RT	4	A								0.23											
	WCH-7	IR 90	627+47.00	629+42.00	RT	4	A			20							390									
	WDL-6	IR 90 - IR 90 EB	633+29.00	41+15.00	RT	4	A											790								
	WEL-8	IR 90 - IR 90 EB	629+42.00	62+88.00	RT-LT	4	A								0.63											
	PB-4	IR 90	636+80.00	639+70.00	RT	4	A				6	6												290		
	ATT-2	IR 90	639+70.00		RT	4	A		1																	
	WCH-9	IR 90 EB	62+88.00	65+74.00	LT	4	A			29							573									
	WEL-9	RAMP W2A - IR 90	63+00.00	681+00.00	LT-RT	4	A								0.34											
	WDL-7	IR 90 EB	65+74.00	77+00.00	RT	4	A											1126								
	WEL-10	RAMP 104-4 - RAMP 117-8	82+00.00	23+19.00	RT	4	A								0.78											
	WCH-10	IR 90	681+00.00	683+83.00	RT	4	A			28							566									
	WDL-8	IR 90	683+83.00	693+03.00	RT	4	A											920								
	WDL-9	IR 90	715+27.00	722+91.00	RT	4	A											764								
	WCH-11	IR 90	722+91.00	724+04.00	RT	4	A			11							227									
	WEL-11	IR 90	724+04.00	730+44.00	RT	4	A								0.12											
	WEL-12	RAMP 117-7 - IR 90	30+00.00	739+70.00	RT	4	A								0.18											
	WCH-12	IR 90	730+44.00	732+60.00	RT	4	A			22			R8				433									R8
	TOTALS CARRIED TO SHEET P.0066								3	1376	1747	1747		19.1	10.10	17.83	10702	7248			31090	1	22345	2805	

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

DESIGN AGENCY
OREGON STRUCTUREPOINT INC

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0076 | TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 10 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 5:21:06 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

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)		
	WDL-1	IR 90	732+60.00	741+10.00	RT	4	A											850									
	WCH-13	IR 90	739+70.00	742+55.00	RT	4	A			29							570										
	WDL-1	IR 90	742+55.00	760+90.00	RT	4	A											1835									
	WEL-13	IR 90	744+50.00	760+90.00	RT	4	A								0.31												
	WCH-14	IR 90	760+90.00	762+56.00	RT	4	A			17							332										
	WEL-14	IR 90	762+56.00	792+60.00	RT	4	A								0.57												
	WEL-15	RAMP 98-16 - IR 90	88+00.00	815+39.00	RT	4	A								0.52												
	WCH-15	IR 90	792+60.00	793+05.00	RT	4	A			7							145										
	WDL-1	IR 90	793+05.00	803+58.00	RT	4	A											1053									
	WCH-16	IR 90	808+90.00	820+79.00	RT	4	A			178							3567										
	WCH-17	IR 90	808+90.00	830+94.00	RT/LT	4	A			179							3575										
	TD-65	IR 90	570+67.00	571+58.00	RT	4	A						91														
	TD-66	IR 90	573+42.00	573+55.00	RT	4	A						13														
	TD-67	IR 90	573+94.00	574+30.00	RT	4	A						36														
	TD-68	IR 90	583+29.00	583+64.00	RT	4	A						35														
	TD-69	IR 90	585+15.00	585+25.00	RT	4	A						10														
	TD-70	IR 90	587+00.00	587+72.00	RT	4	A						72														
	TD-71	IR 90	591+06.00	591+57.00	RT	4	A						51														
	TD-72	IR 90	600+04.00	600+25.00	RT	4	A						21														
	TD-73	IR 90	602+44.00	602+61.00	RT	4	A						17														
	TD-74	IR 90	603+77.00	604+11.00	RT	4	A						34														
	TD-75	IR 90	629+59.00	630+24.00	RT	4	A						65														
	TD-76	IR 90	631+90.00	632+77.00	RT	4	A						87														
	TD-77	IR 90	633+80.00	634+56.00	RT	4	A						76														
	TD-78	IR 90	635+50.00	636+25.00	RT	4	A						75														
	TD-79	IR 90	637+15.00	638+24.00	RT	4	A						109														
	TD-80	IR 90	639+54.00	640+82.00	RT	4	A						128														
	TD-81	IR 90	643+31.00	643+86.00	RT	4	A						55														
	TD-82	IR 90	644+26.00	644+60.00	RT	4	A						34														
	TD-83	IR 90	645+23.00	645+85.00	RT	4	A						62														
	TD-84	IR 90	647+08.00	647+65.00	RT	4	A						57														
	TD-85	IR 90	648+98.00	649+99.00	RT	4	A						101														
	TD-86	IR 90	651+58.00	653+03.00	RT	4	A						145														
	TD-87	IR 90	655+06.00	657+54.00	RT	4	A						248														
	TD-88	IR 90	660+60.00	660+92.00	RT	4	A						32														
	TD-89	IR 90	677+13.00	678+35.00	RT	4	A						122														
	TD-90	IR 90	671+61.00	672+15.00	RT	4	A						53														
	TD-91	IR 90	674+75.00	675+41.00	RT	4	A						64														
	TD-92	IR 90	676+74.00	677+40.00	RT	4	A						64														
	TD-93	IR 90	696+64.00	701+03.00	RT	4	A						439														
	TD-94	IR 90	703+34.00	703+90.00	RT	4	A						56														
	TD-95	IR 90	704+12.00	709+24.00	RT	4	A						512														
	TD-96	IR 90	711+88.00	714+00.00	RT	4	A						212														
	TD-97	IR 90	715+70.00	717+00.00	RT	4	A						130														
	TD-98	IR 90	718+55.00	719+70.00	RT	4	A						115														
	TD-99	IR 90	721+41.00	722+50.00	RT	4	A						109														
	TD-100	IR 90	729+79.00	730+22.00	RT	4	A						43														
	TD-101	IR 90	747+83.00	748+40.00	RT	4	A						57														
	TD-102	IR 90	748+91.00	749+75.00	RT	4	A						84														
	TD-103	IR 90	751+26.00	753+59.00	RT	4	A						233														
	TD-104	IR 90	754+09.00	754+75.00	RT	4	A						66														
	TD-105	IR 90	755+56.00	757+26.00	RT	4	A						170														
	TP-1	IR 90	644+00.00	657+20.00	LT	4	A													1625							
	TP-2	IR 90	715+50.00	732+50.00	LT	4	A													1672							
	TP-3	IR 90	759+50.00	770+16.00	LT	4	A													563							
	TOTALS CARRIED TO SHEET P.0066									409			4183		1.40		8189	3738		3860						

CUY-90-6.69

MODEL: Sheet 11 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 4:37:11 PM USER: jaima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0077 | TOTAL P.1587

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	328+86.00	340+30.00	LT	5	A			99							1988							
	WEL-1	IR 90	332+91.00	558+14.00	LT	5	A								0.97									
	WYL-1	IR 90	337+30.00	542+16.00	LT	5	A									0.58								
	WLL-1	IR 90	340+30.00	539+30.00	LT	5	A			21				0.47										
	PB-1	IR 90 - RAMP HB	353+12.00	46+95.00	LT-RT	5	A				4	4											1	195	
	PB-1	IR 90	353+12.00	548+00.00	LT	5	A				41	41													2068
	PB-2	RAMP HB	30+95.00	46+95.00	RT	5	A				4	4												200	
	PB-2	RAMP HB	30+95.00	33+50.00	RT	5	A				5	5													255
	PB-2	RAMP HB	37+40.00	48+85.00	RT	5	A				23	23													1145
	WYL-2	RAMP HB - IR 90	30+95.00	558+14.00	RT/LT	5	A									0.51								
	WEL-2	RAMP HB - RAMP MC	30+95.00	97+82.00	LT-RT	5	A								1.27									
	WCH-2	IR 90	539+30.00	545+00.00	LT	5	A			43							858							
	ATT-1	IR 90	540+00.00		CL	5	A		1															
	ATT-2	RAMP HB	46+95.00		RT	5	A		1															
	WDL-1	IR 90	545+00.00	551+60.00	LT	5	A											660						
	WYL-3	IR 90	545+00.00	786+27.00	LT	5	A									4.57								
	WLL-2	IR 90	551+60.00	787+47.00	LT	5	A			197				4.47										
	WCH-3	IR 90	558+14.00	561+86.00	LT	5	A			37							748							
	PB-3	IR 90	562+26.00	573+90.00	LT	5	A				23	23												1164	
	PB-3	IR 90	573+90.00	574+90.00	LT	5	A				2	2													100
	PB-3	IR 90	574+90.00	581+95.00	LT	5	A				14	14												705	
	PB-3	IR 90	581+95.00	582+95.00	LT	5	A				2	2													100
	PB-3	IR 90	582+95.00	588+25.00	LT	5	A				11	11												530	
	WDL-2	IR 90	582+73.00	591+91.00	LT	5	A											918						
	ATT-3	IR 90	588+25.00		LT	5	A		1															
	WCH-3	IR 90 - RAMP MC	591+91.00	95+82.00	RT-LT	5	A			36							718							
	PB-4	IR 90	595+00.00	613+76.00	LT	5	A				38	38												1880	
	WEL-3	IR 90	595+50.00	613+00.00	LT	5	A								0.33									
	WYL-3	RAMP MF	12+03.00	13+74.00	RT	5	A									0.03								
	WEL-4	RAMP MF - RAMP W1	12+03.00	35+60.00	RT	5	A								0.45									
	WCH-4	IR 90	613+00.00	616+44.00	LT	5	A			31							614							
	ATT-3	IR 90	613+76.00		LT	5	A		1															
	WDL-3	IR 90	616+44.00	627+95.00	LT	5	A											1151						
	PB-5	IR 90	615+99.00	616+11.00	LT	5	A				0	0												12	
	PB-5	IR 90	616+11.00	626+11.00	LT	5	A				20	20													1000
	PB-5	IR 90	626+11.00	627+62.00	LT	5	A				3	3												151	
	ATT-4	IR 90	627+62.00		LT	5	A		1															
	WCH-5	IR 90	627+95.00	634+50.00	LT	5	A			66							1311							
	WEL-5	IR 90 - IR 90 WB	634+50.00	66+06.00	LT	5	A								0.60									
	PB-6	IR 90	636+25.00	666+50.00	LT	5	A				61	61												3030	
	WYL-4	RAMP W1A - IR 90 WB	63+50.00	66+06.00	RT-LT	5	A									0.05								
	WEL-6	RAMP W1A - IR 90	64+22.00	681+85.00	RT-LT	5	A								0.34									
	WCH-7	IR 90	666+06.00	668+10.00	LT	5	A			21							414							
	ATT-5	IR 90	666+50.00		LT	5	A		1															
	WDL-4	IR 90	668+10.00	672+32.00	LT	5	A											422						
	PB-7	IR 90	671+94.00	682+54.00	LT	5	A				21	21												1060	
	WYL-5	RAMP 140-3	80+34.00	81+85.00	RT	5	A									0.03								
	WEL-7	RAMP 140-3 - RAMP 117-5	80+84.00	26+80.00	RT	5	A								0.87									
	WCH-8	IR 90	681+85.00	683+79.00	LT	5	A			19							388							
	ATT-6	IR 90	682+54.00		LT	5	A		1															
	WDL-5	IR 90	683+79.00	688+20.00	LT	5	A											441						
	PB-8	IR 90	685+69.00	694+65.00	LT	5	A				18	18												896	
	PB-8	IR 90	694+65.00	696+50.00	LT	5	A				4	4													185
	PB-8	IR 90	696+50.00	720+76.00	LT	5	A				49	49												2426	
	WDL-6	IR 90	714+60.00	722+06.00	LT	5	A											746						
	ATT-7	IR 90	720+76.00		LT	5	A		1															
	TOTALS CARRIED TO SHEET P.0066								8	569	342	342		4.94	4.83	5.77	7039	4338				1	12249	4853

R4

R8

R4

R8

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 13 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 4:38:10 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0079 | TOTAL P.1587

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-9	IR 90	722+06.00	724+88.00	LT	5	A			28							564							R8
	WEL-8	IR 90 - RAMP 117-11	724+88.00	37+08.00	RT/LT	5	A								0.23									
	WYL-6	IR 90	724+88.00	727+50.00	LT	5	A									0.05								
	WDL-7	IR 90	724+88.00	732+91.00	RT	5	A											803						
	PB-9	IR 90	726+98.00	733+23.00	LT	5	A				13	13											630	
	ATT-8	IR 90	733+23.00		LT	5	A		1															
	WCH-10	IR 90	732+91.00	736+02.00	LT	5	A										569							
	PB-10	IR 90	736+02.00	748+30.00	LT	5	A			28	24	24										1	1220	
	WEL-9	IR 90	736+02.00	748+65.00	LT	5	A						R4			0.24								
	ATT-9	IR 90	748+30.00		LT	5	A		1															
	PB-11	RAMP 117-12 - IR 90	33+64.00	748+30.00	RT/LT	5	A				9	9											430	
	PB-11	RAMP 117-12	33+64.00	44+04.00	RT	5	A				21	21												1040
	WCH-11	IR 90	748+65.00	750+44.00	LT	5	A										358							
	WYL-7	RAMP 117-12 - IR 90	33+64.00	748+65.00	RT/LT	5	A									0.29								
	WEL-10	RAMP 117-12 - RAMP W13	33+64.00	67+90.00	RT	5	A								0.65									
	WDL-8	IR 90	750+44.00	760+43.00	LT	5	A											999						
	PB-12	IR 90	750+48.00	761+42.00	LT	5	A				22	22											1090	
	WCH-12	IR 90	760+43.00	765+38.00	LT	5	A			49							989							
	ATT-10	IR 90	761+42.00		LT	5	A		1															
	PB-13	IR 90	765+38.00	783+00.00	LT	5	A				35	35											1764	
	ATT-11	IR 90	783+00.00		LT	5	A		1															
	WEL-11	IR 90	765+38.00	787+47.00	LT	5	A								0.42									
		IR 90			RT/LT	5	A				R6													
	TD-106	IR 90	353+77.00	529+87.00	LT	5	A						190											
	TD-107	IR 90	530+62.00	530+86.00	LT	5	A						24											
	TD-108	IR 90	531+51.00	544+19.00	LT	5	A						259											
	TD-109	IR 90	536+50.00	542+00.00	LT	5	A						550											
	TD-110	IR 90	553+67.00	553+75.00	LT	5	A						8											
	TD-111	IR 90	571+57.00	574+00.00	LT	5	A						243											
	TD-112	IR 90	590+00.00	590+50.00	LT	5	A						50											
	TD-113	IR 90	600+67.00	600+90.00	LT	5	A						23											
	TD-114	IR 90	617+28.00	619+09.00	LT	5	A						181											
		TOTALS CARRIED TO SHEET P.0066							R8 4		R6 106	R6 123	123	1528		R8 1.3	0.58	2480	1802			1	R6 5134	R8 1040

R6

R6

R6

R8

R8

R6

R8

MAINTENANCE OF TRAFFIC ESTIMATED QUANTITIES

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

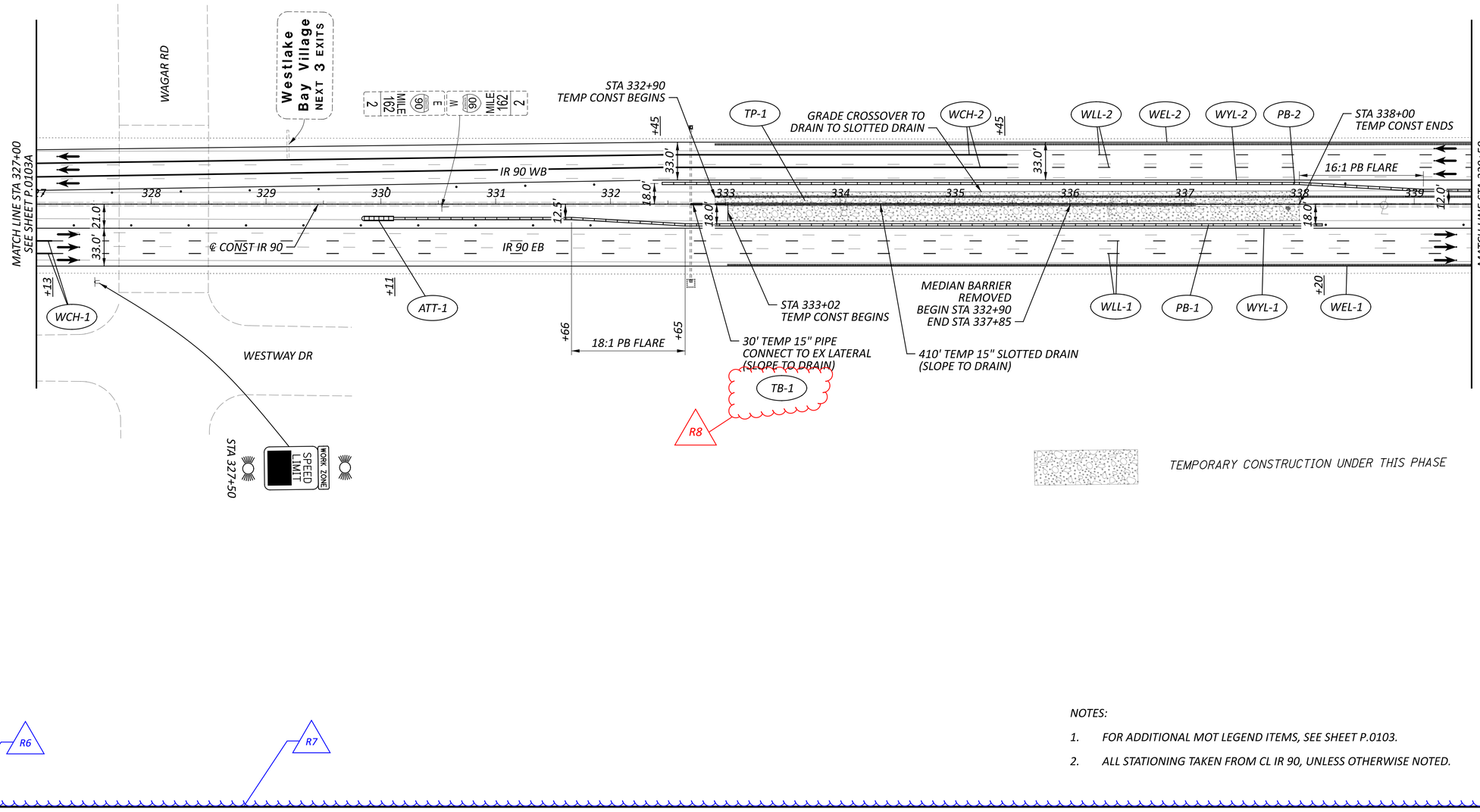
REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0080 | TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 14 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 4:38:43 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-011\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MS001.dgn



HORIZONTAL SCALE IN FEET
0 25 50 100

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

NOTES:

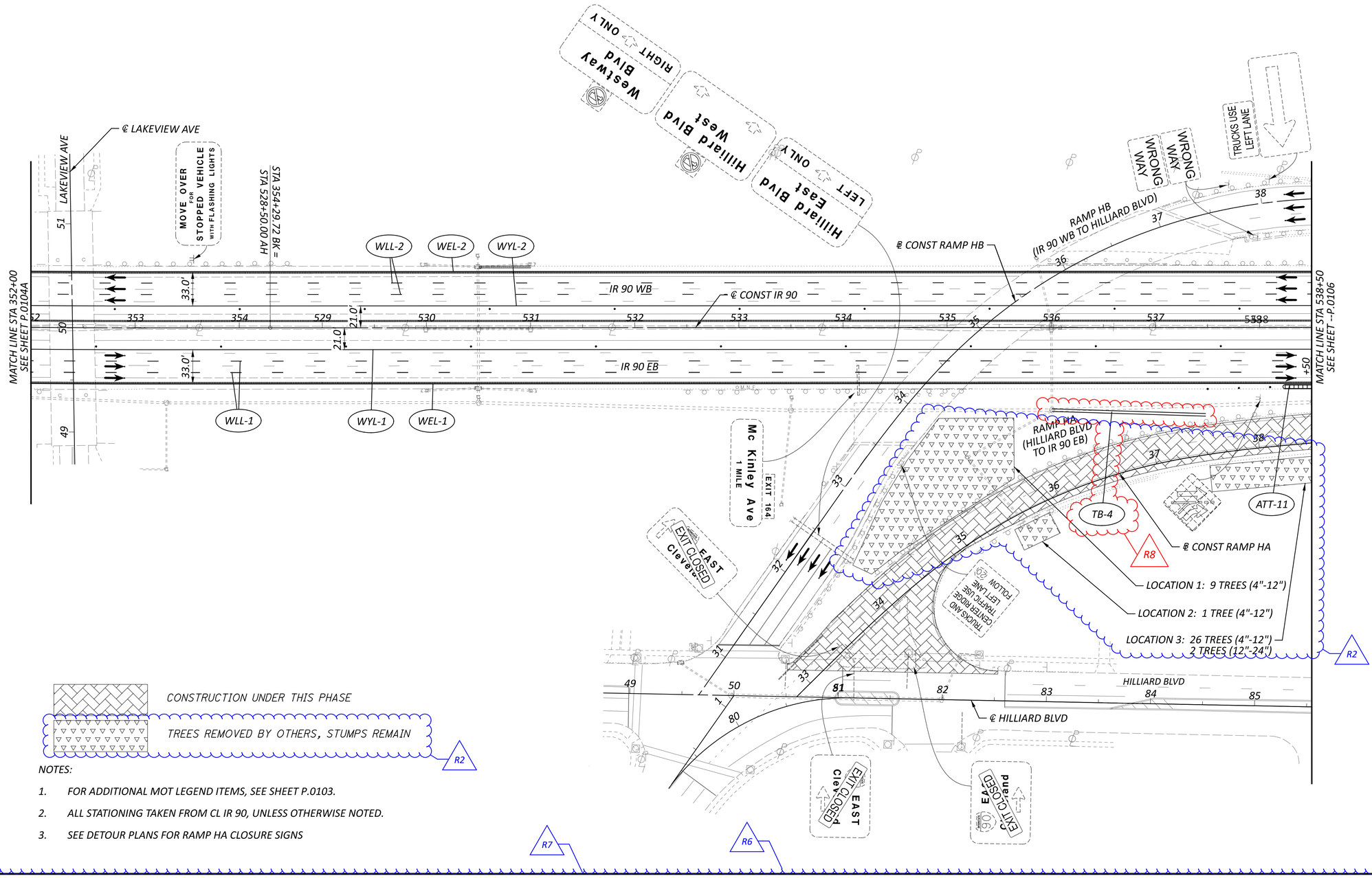
1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0104 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 01 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 8:32:59 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn



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

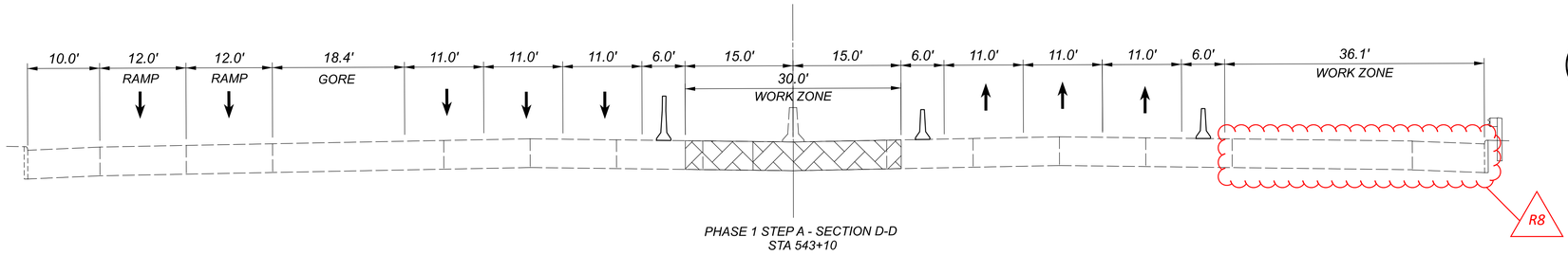
MAINTENANCE OF TRAFFIC PHASE 1A
STA 352+00 TO STA 538+50

DESIGN AGENCY
STRUCTUREPOINT LLC

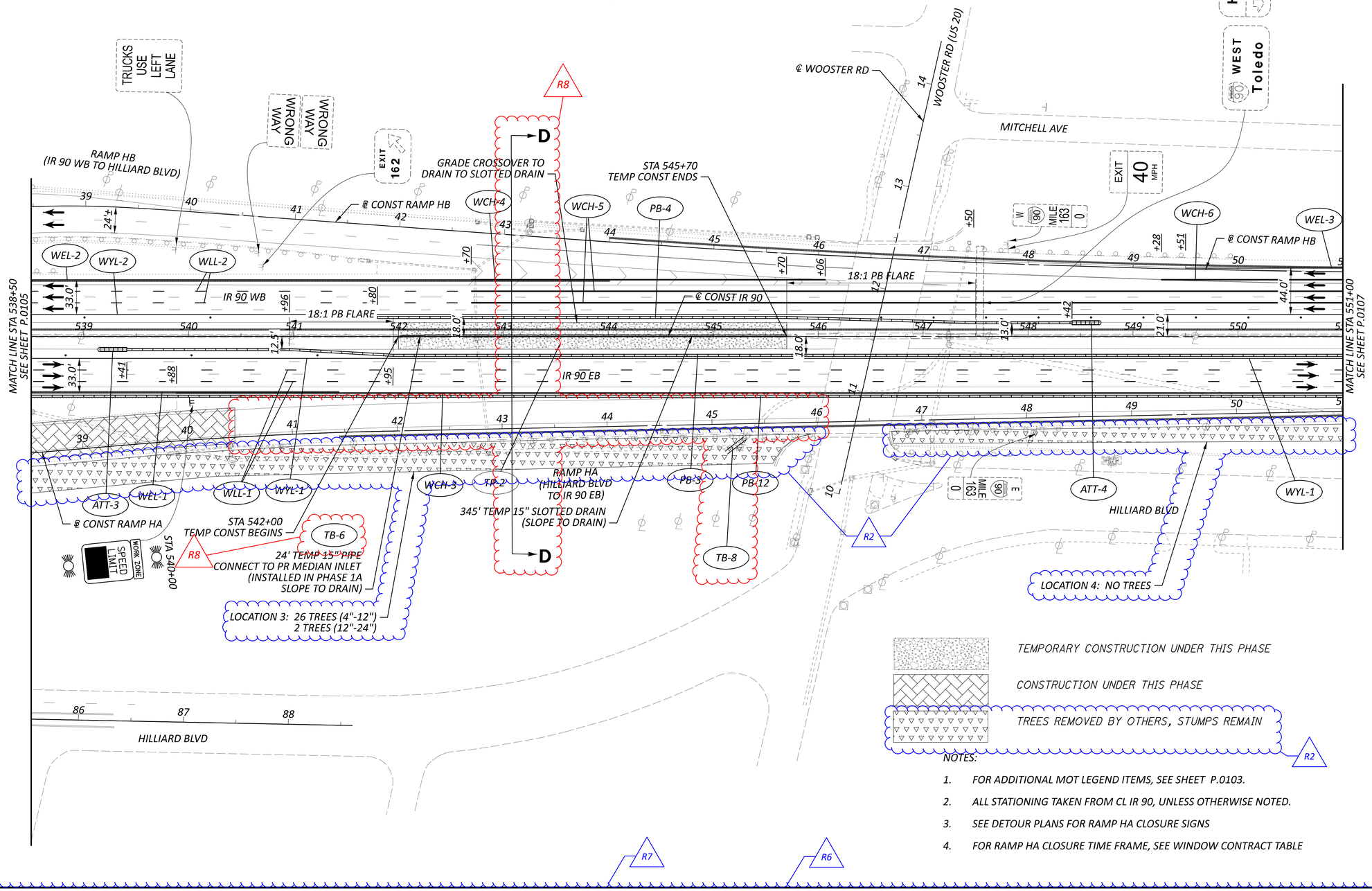
DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0105 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 03 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 8:34:19 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn



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
STRUCTUREPOINT LLC

DESIGNER
CSC

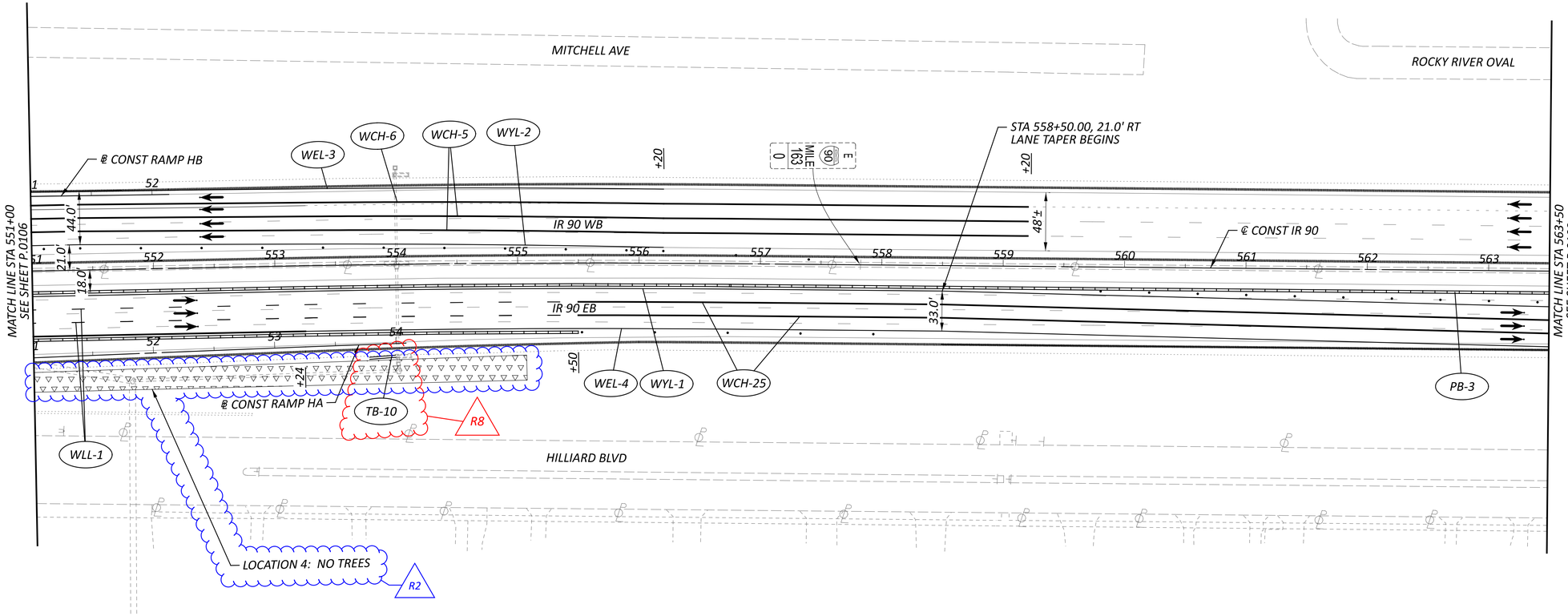
REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0106 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 04 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 8:35:36 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000662\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn



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.

HORIZONTAL SCALE IN FEET
0 25 50 100

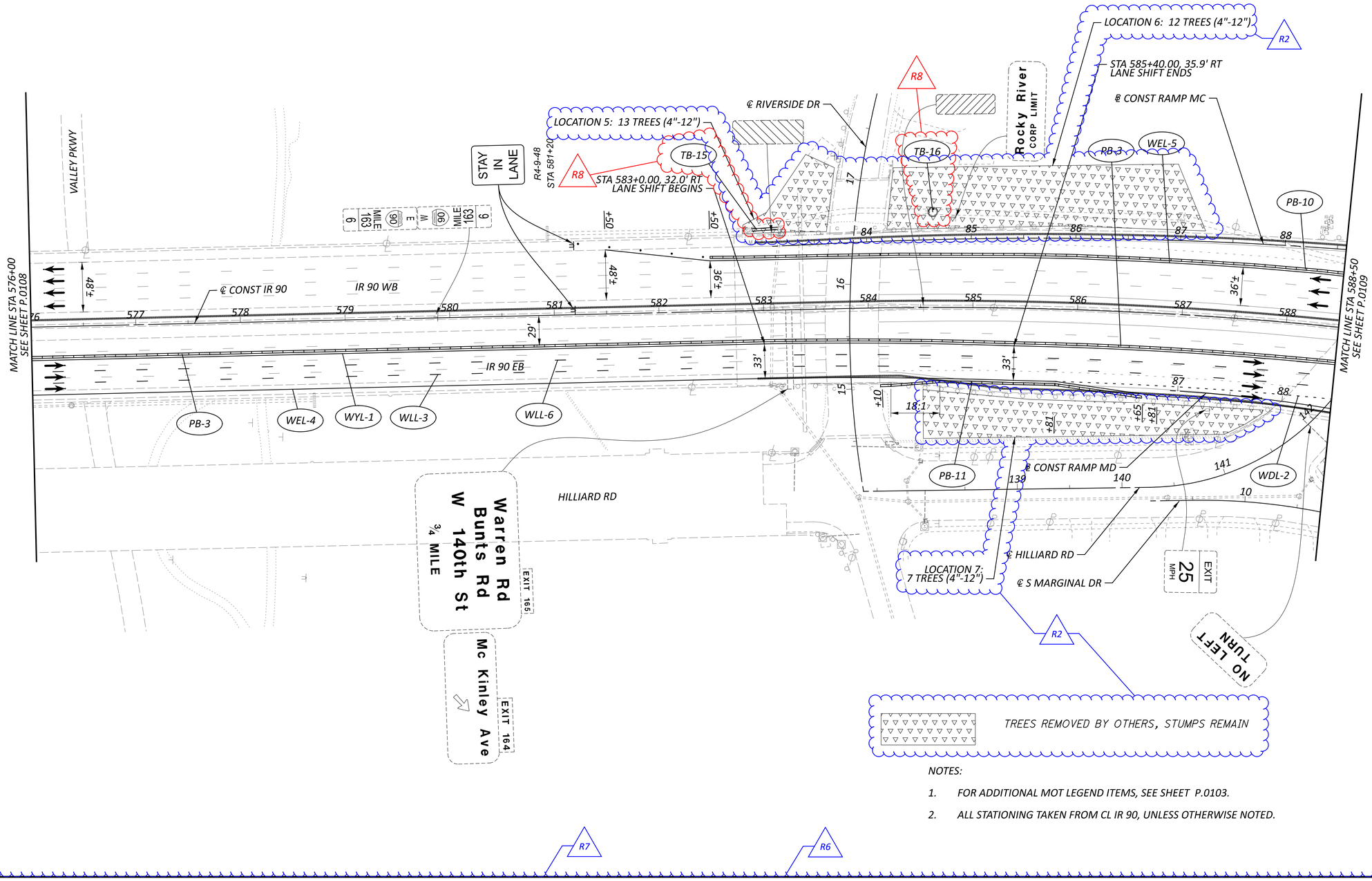
MAINTENANCE OF TRAFFIC PHASE 1A
STA 551+00 TO STA 563+50

DESIGN AGENCY
STRUCTUREPOINT LLC

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

CUY-90-6.69

MODEL: S1P1 - Plan 05 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 4:34:52 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn



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

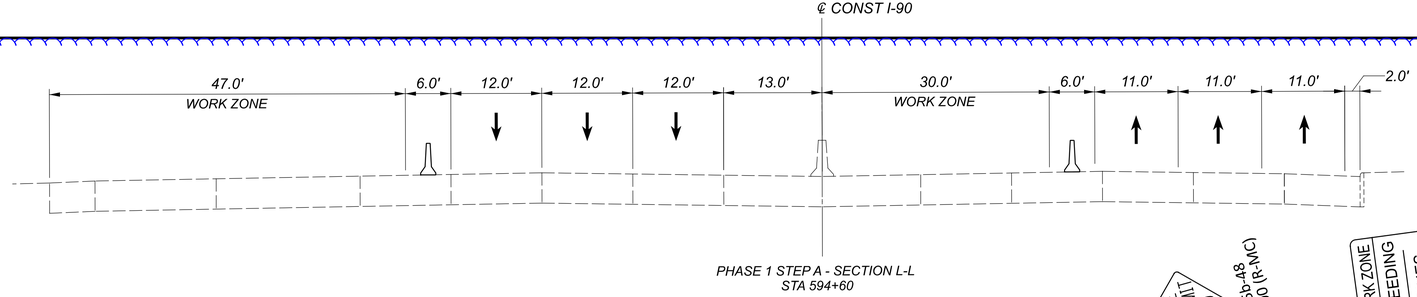
MAINTENANCE OF TRAFFIC PHASE 1A
STA 576+00 TO STA 588+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

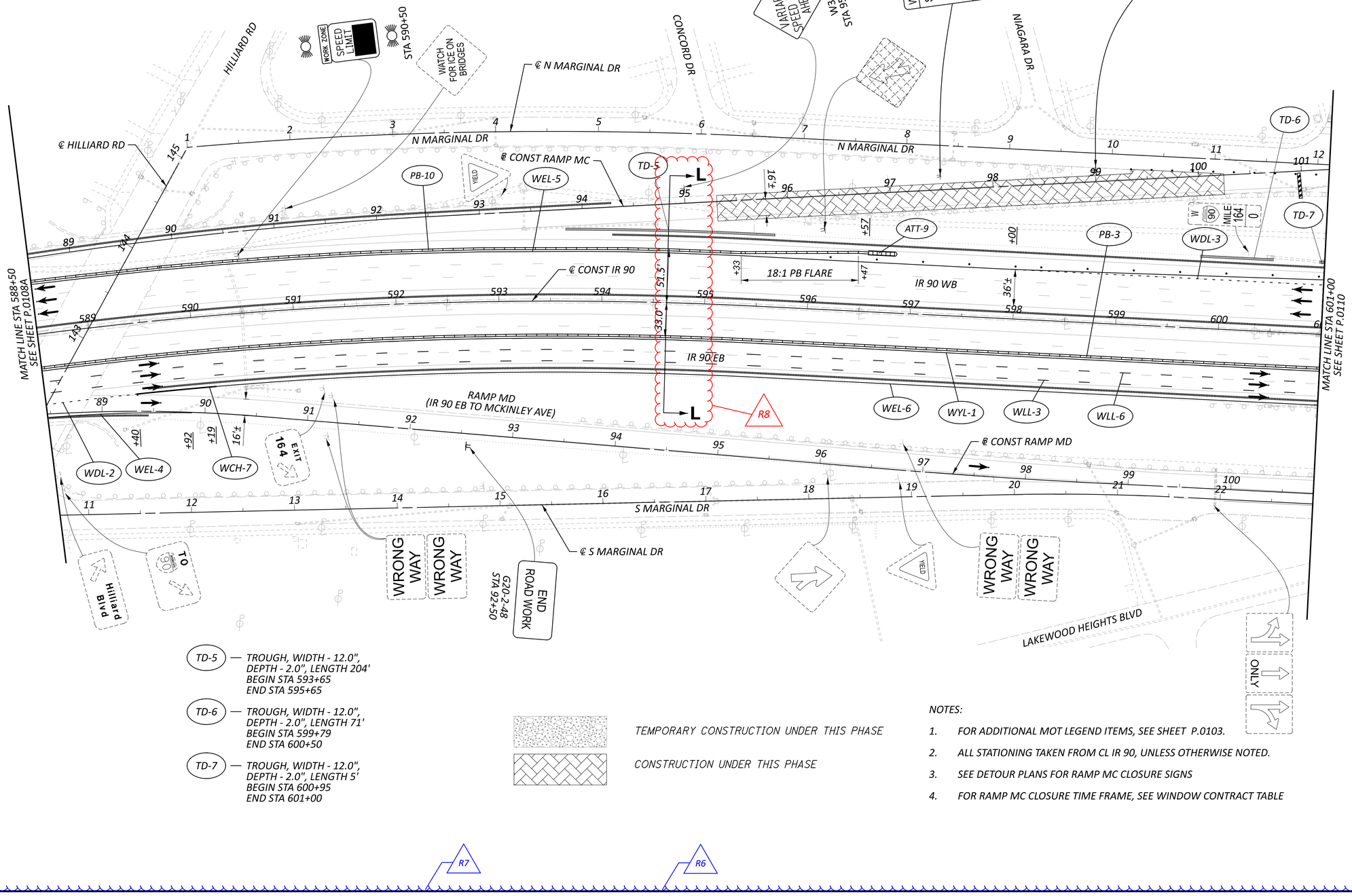
DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0108A TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 07 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/18/2025 TIME: 8:39:47 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MPI0.dgn



PHASE 1 STEP A - SECTION L-L
STA 594+60



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

HORIZONTAL SCALE IN FEET
0 25 50 100

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

DESIGN AGENCY
WSDOT 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: 4/17/2025 TIME: 9:48:00 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn

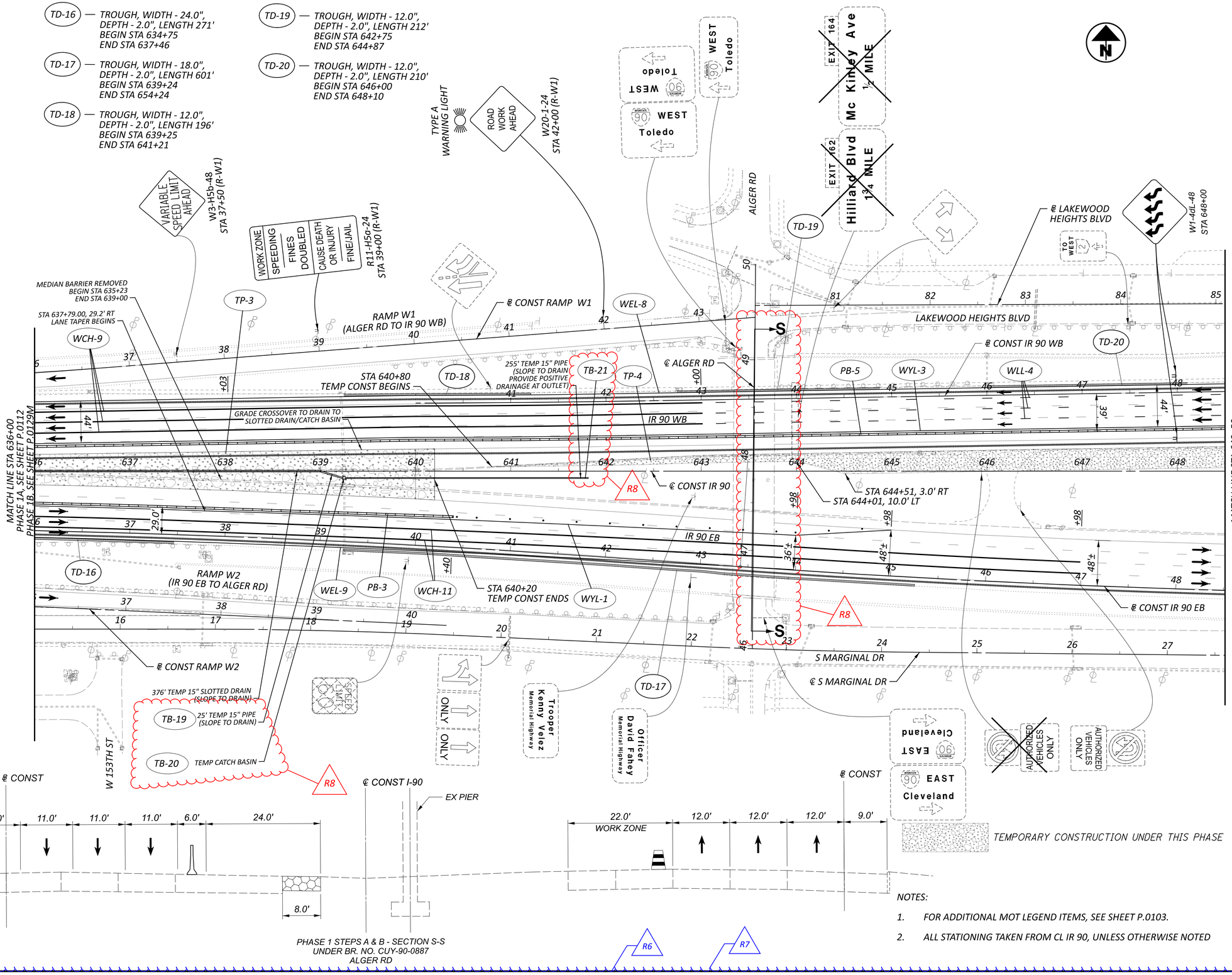
TD-16 — TROUGH, WIDTH - 24.0", DEPTH - 2.0", LENGTH 271' BEGIN STA 634+75 END STA 637+46

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



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

CUY-90-6.69

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER CSC

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0113 TOTAL P.1587

MODEL: S1P1 - Plan 12 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 8:41:02 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn

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

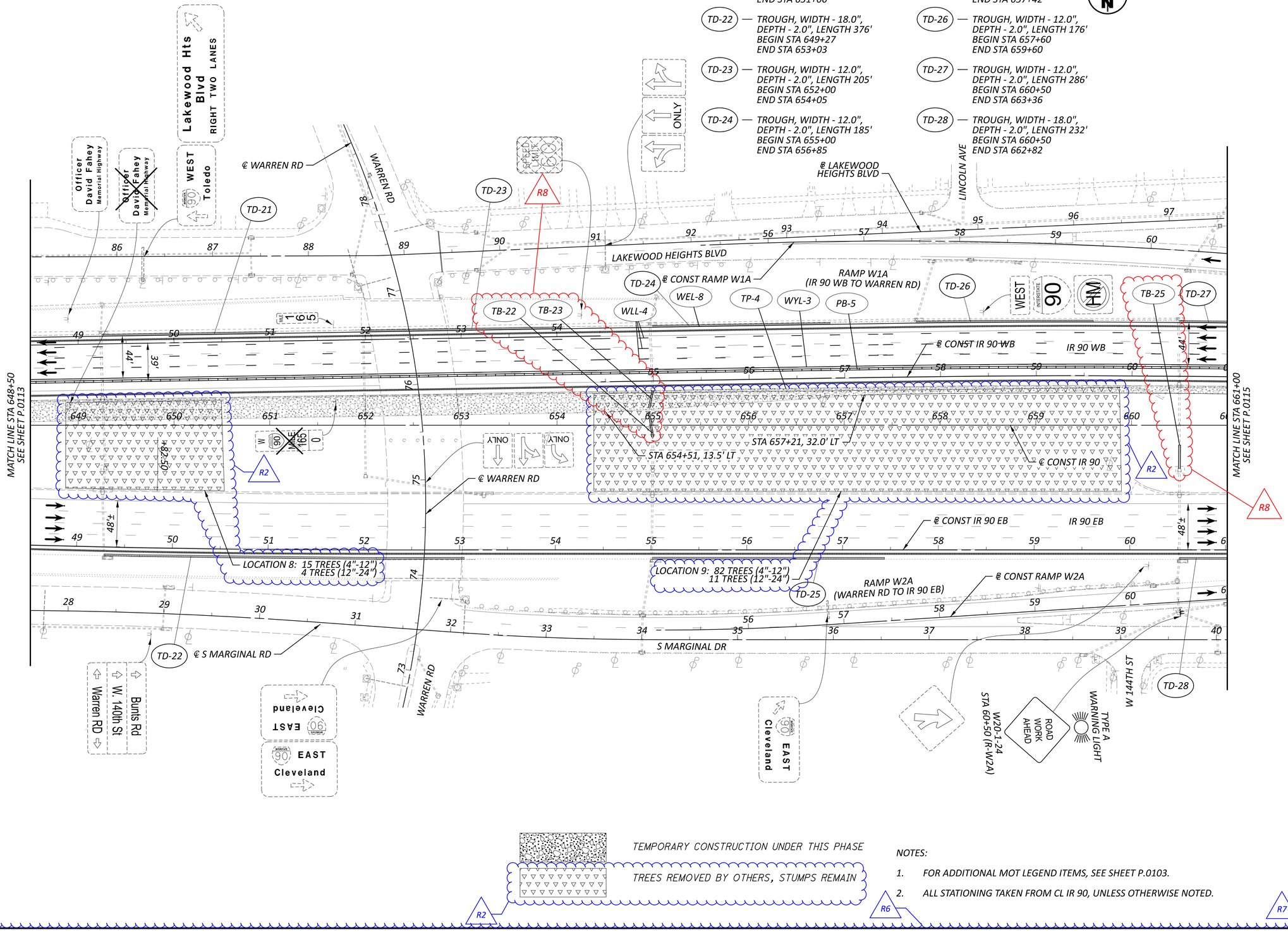
TD-24 — TROUGH, WIDTH - 12.0", DEPTH - 2.0", LENGTH 185' BEGIN STA 655+00 END STA 656+85

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

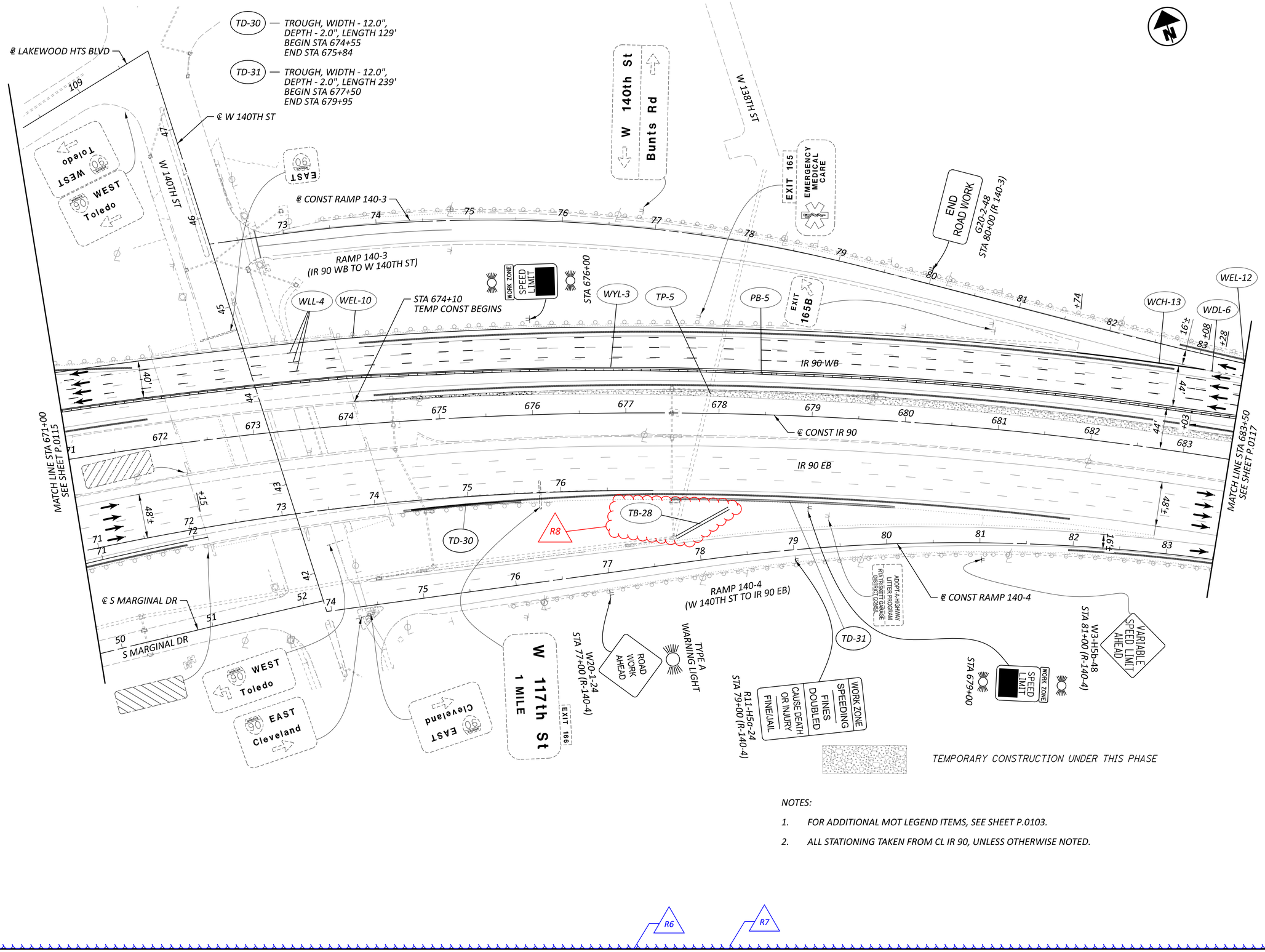
REVIEWER: VDK 08/09/23

PROJECT ID: 76779

SHEET P.0114 TOTAL P.1587

CUY-90-6.69

MODEL: S1P1 - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 9:38:33 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn



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 671+00 TO STA 683+50

CUY-90-6.69

MODEL: S1P1 - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 9:39:26 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn

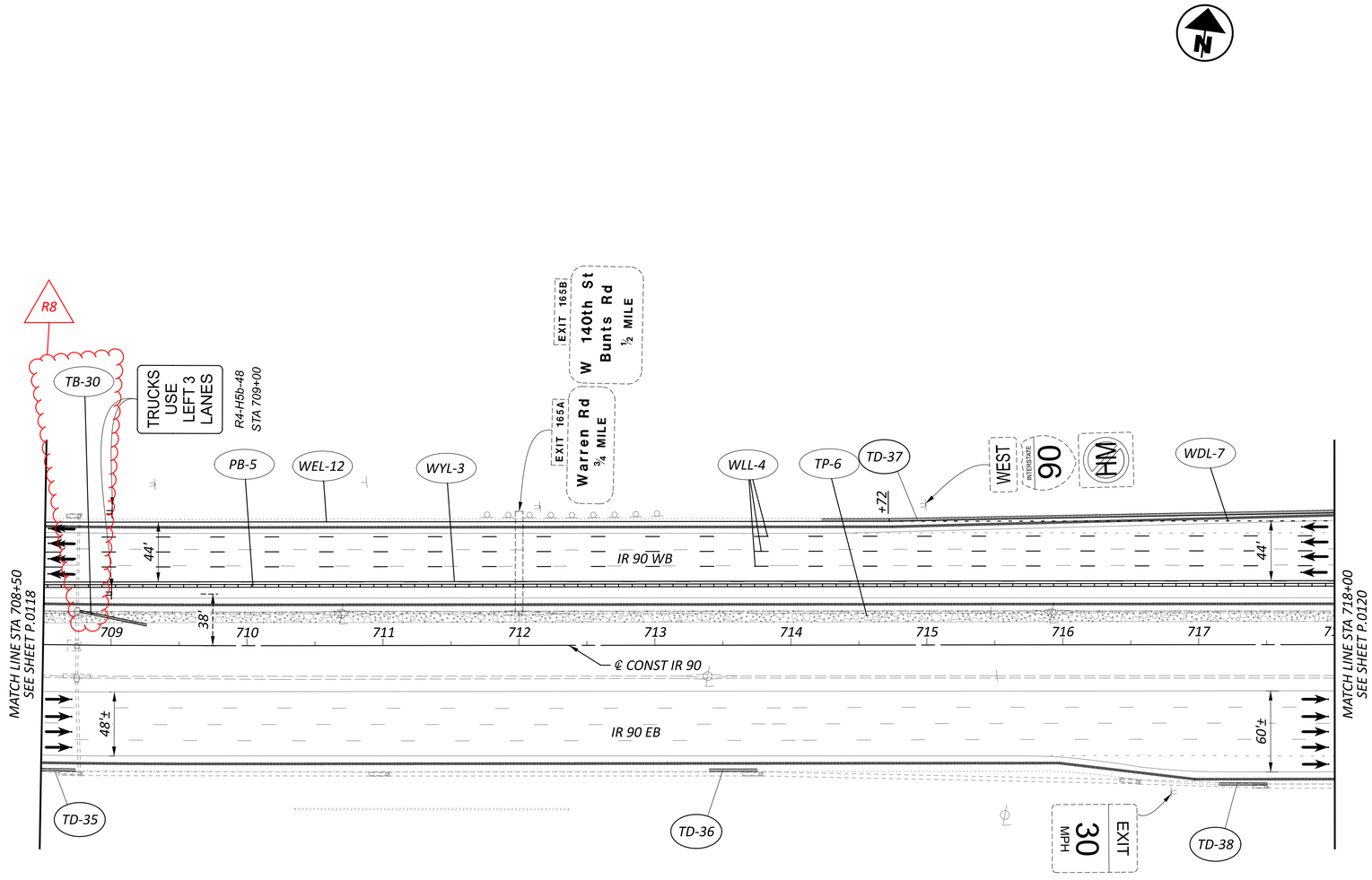
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
CSC

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0116 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

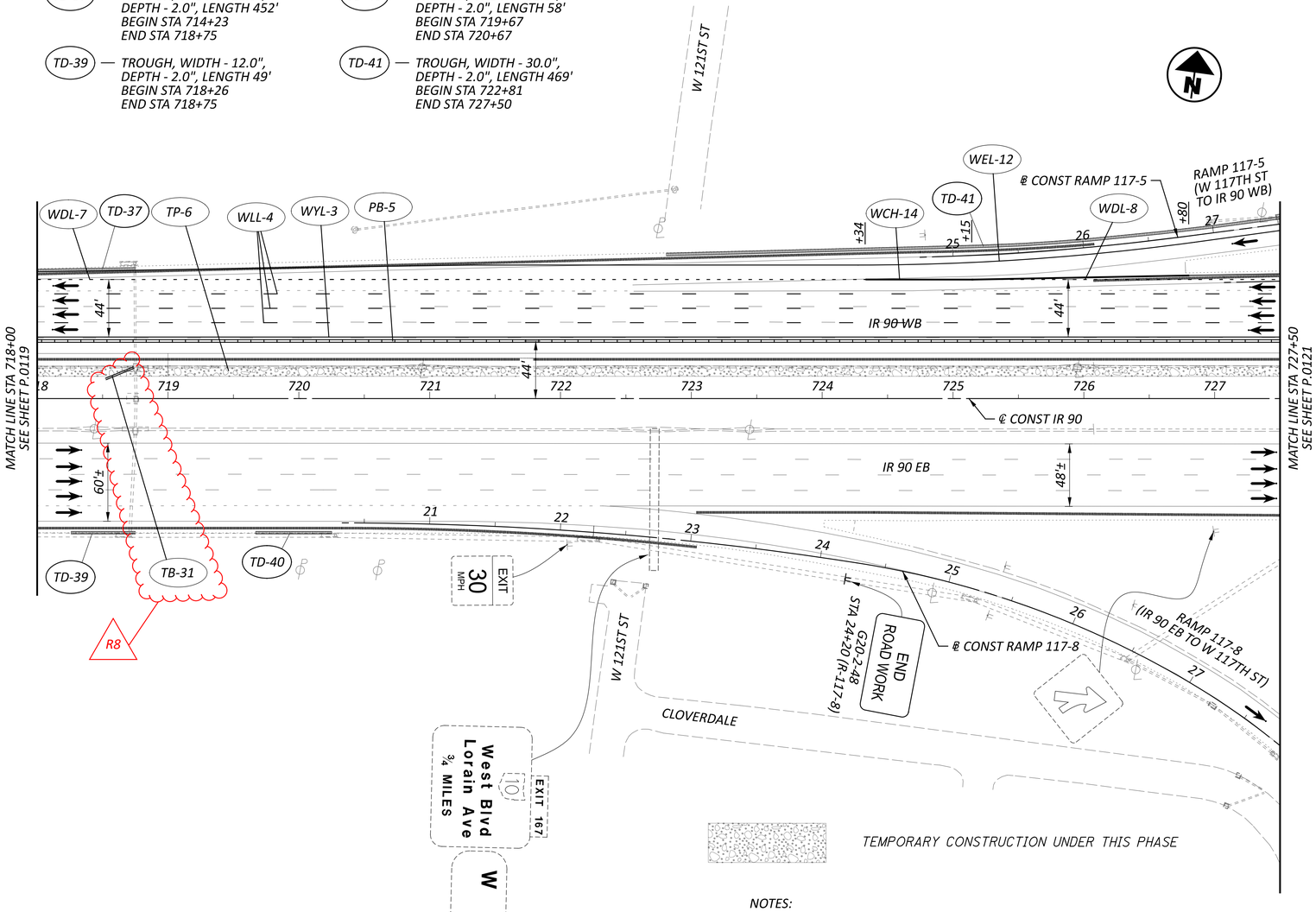
MODEL: S1P1 - Plan 18 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 9:41:36 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn

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



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. FOR CROSSOVER CONSTRUCTION, SEE SHEETS 143 AND 218 FOR PROFILE ELEVATIONS

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: 4/18/2025 TIME: 9:43:16 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn

MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 727+50 TO STA 740+00

HORIZONTAL SCALE IN FEET
0 25 50 100

MATCH LINE STA 727+50
SEE SHEET P.0120

MATCH LINE STA 740+00
SEE SHEET P.0121A

IR 90 WB

IR 90 EB

RAMP 117-5
(W 117TH ST TO IR 90 WB)

RAMP 117-11
(W 117TH ST TO IR 90 WB)

RAMP 117-12
(IR 90 WB TO W 117TH ST)

RAMP 117-8
(IR 90 EB TO W 117TH ST)

RAMP 117-9
(W 117TH ST to IR 90 EB)

RAMP 117-7
(W 117TH ST TO IR 90 EB)

W 117TH ST

℄ CONST RAMP 117-5

℄ CONST RAMP 117-11

℄ CONST RAMP 117-12

℄ CONST RAMP 117-7

℄ CONST RAMP 117-8

℄ CONST RAMP 117-9

℄ CONST IR 90

STA 732+40
TEMP CONST ENDS

STA 736+50

WEL-12

WEL-18

TB-32

TB-33

WCH-15

WYL-3

TP-6

PB-5

WLL-4

WDL-8

R8

R2

R7

R6

LOCATION 11: 4 TREES (4"-12")

LOCATION 12: 2 TREES (4"-12")

TEMPORARY CONSTRUCTION UNDER THIS PHASE

TREES REMOVED BY OTHERS, STUMPS REMAIN

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

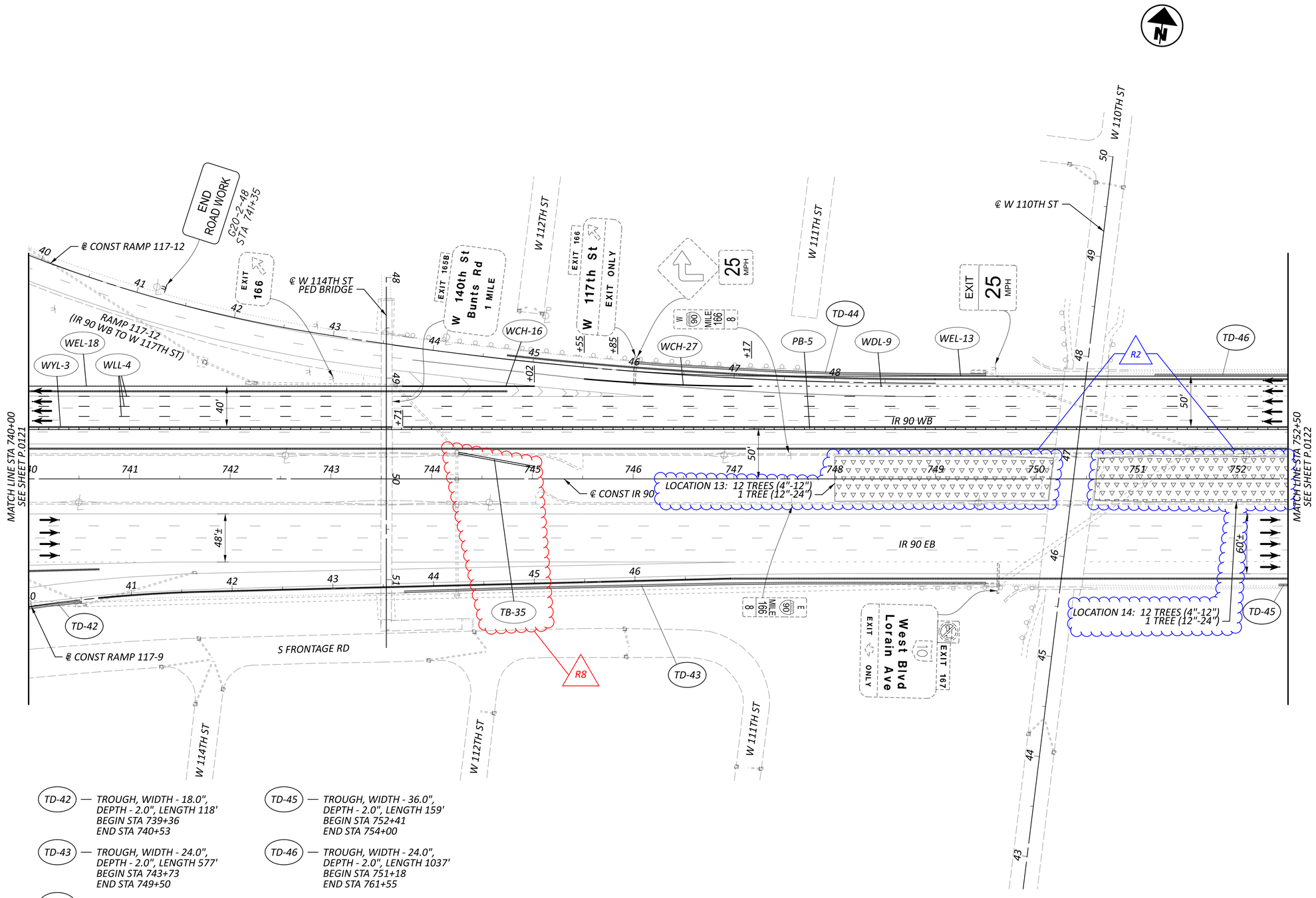
NOTES:

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

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

CUY-90-6.69

MODEL: S1P1 - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 9:44:08 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110.dgn



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

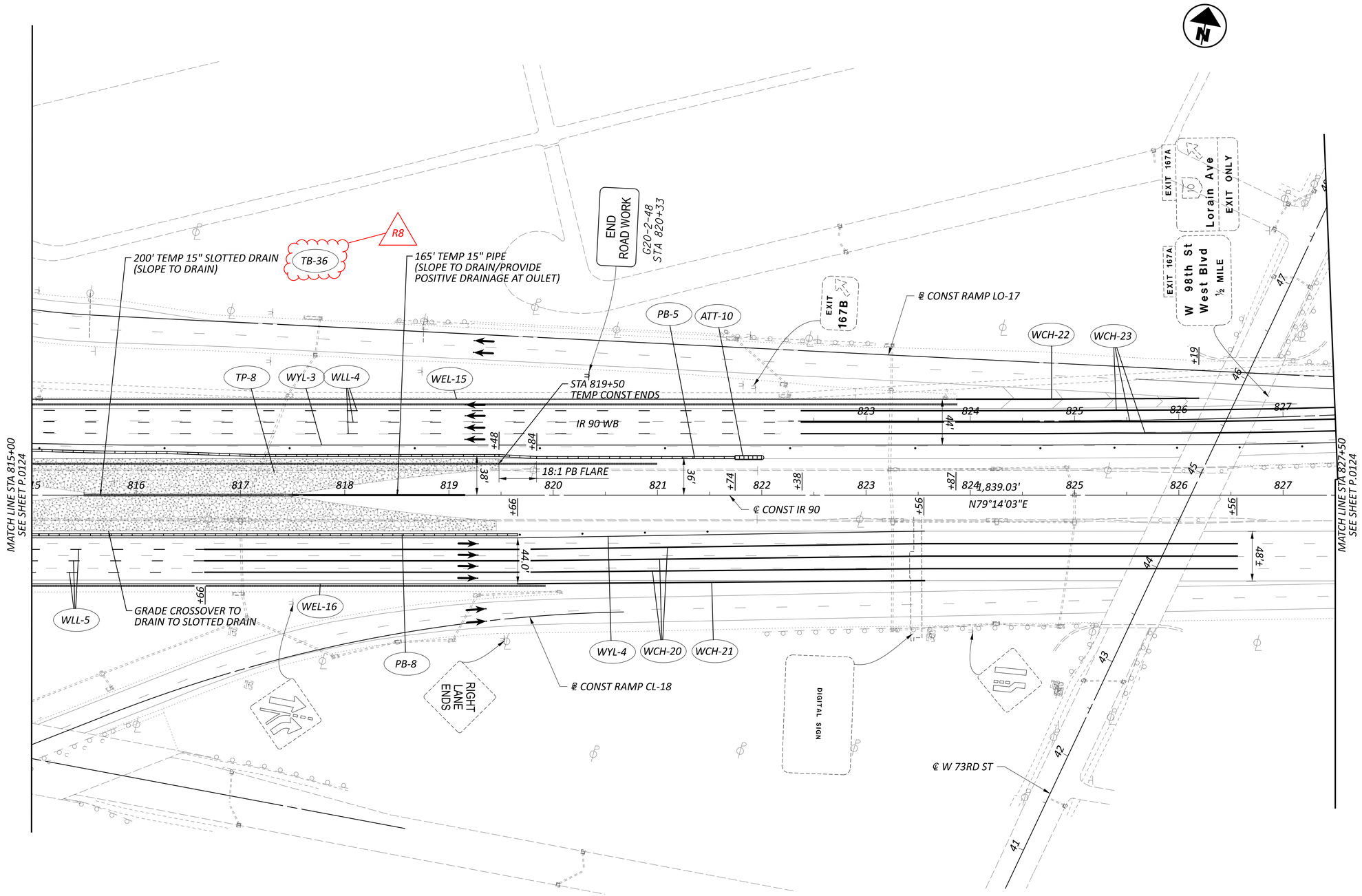
MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 740+00 TO STA 752+50

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: 4/8/2025 TIME: 9:48:05 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MPI0.dgn



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.

HORIZONTAL SCALE IN FEET
0 25 50 100

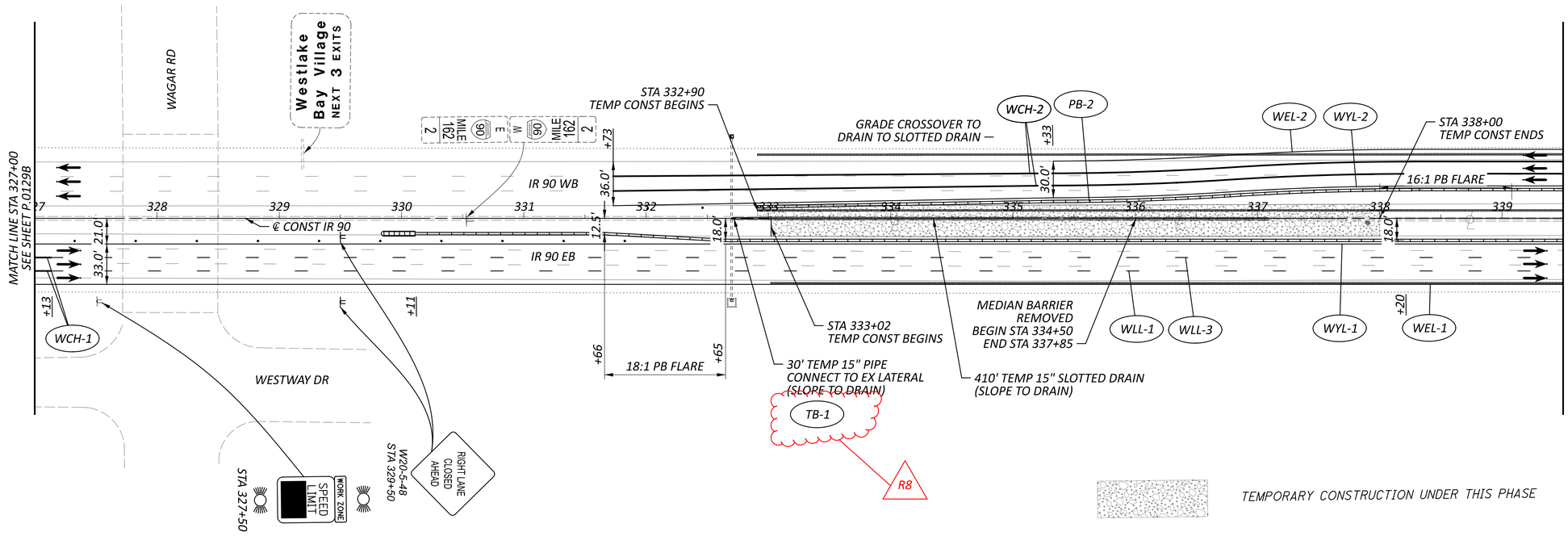
MAINTENANCE OF TRAFFIC PHASE 1A, 1B
STA 815+00 TO STA 827+50

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0125 TOTAL P.1587

CUY-90-6.69

MODEL: SIP1 - Plan 27 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 9:49:30 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP10.dgn



NOTES:

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

HORIZONTAL SCALE IN FEET
0 25 50 100

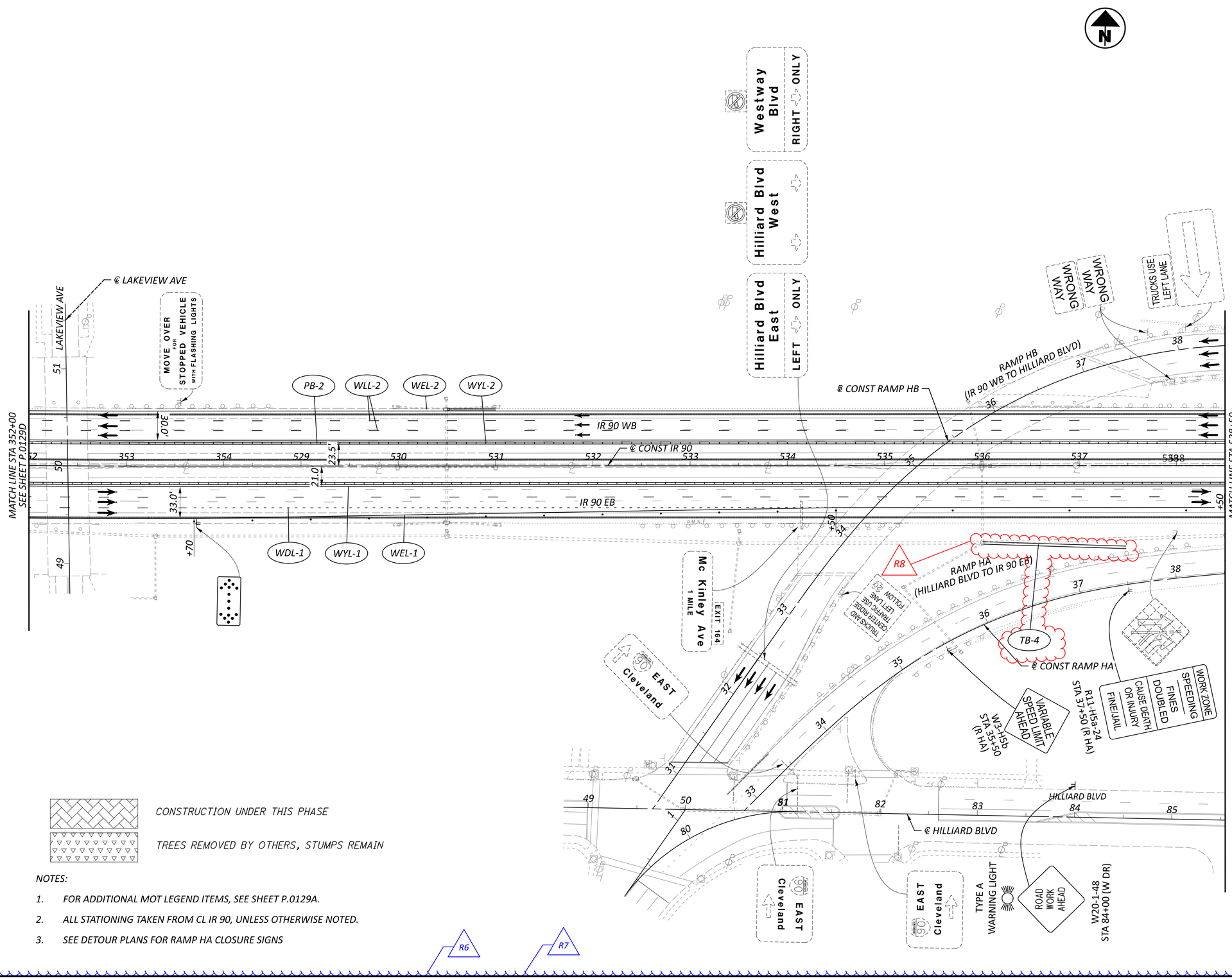
MAINTENANCE OF TRAFFIC PHASE 1B
STA 327+00 TO STA 339+50

CUY-90-6.69

MODEL: S1P1 - Plan 01 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 10:09:33 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110B.dgn

DESIGN AGENCY
STRUCTUREPOINT LLC

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



CONSTRUCTION UNDER THIS PHASE

TREES REMOVED BY OTHERS, STUMPS REMAIN

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

HORIZONTAL SCALE IN FEET
0 25 50 100

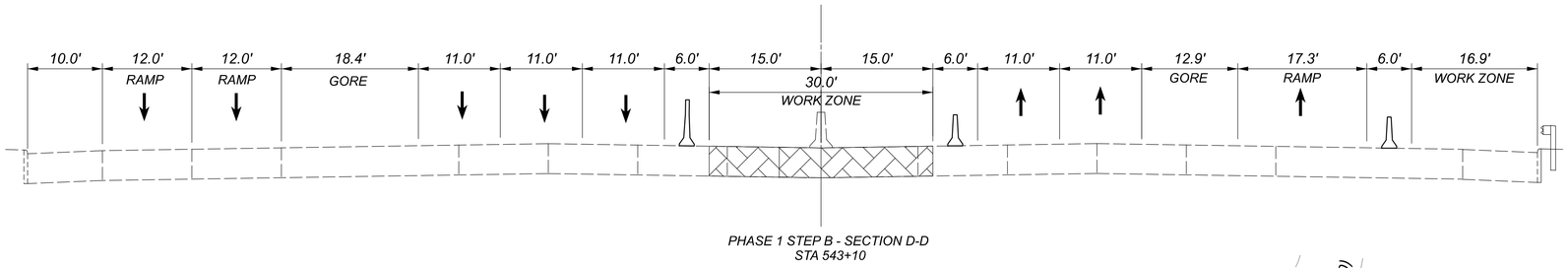
MAINTENANCE OF TRAFFIC PHASE 1B
STA 352+00 TO STA 538+50

DESIGN AGENCY
STRUCTUREPOINT

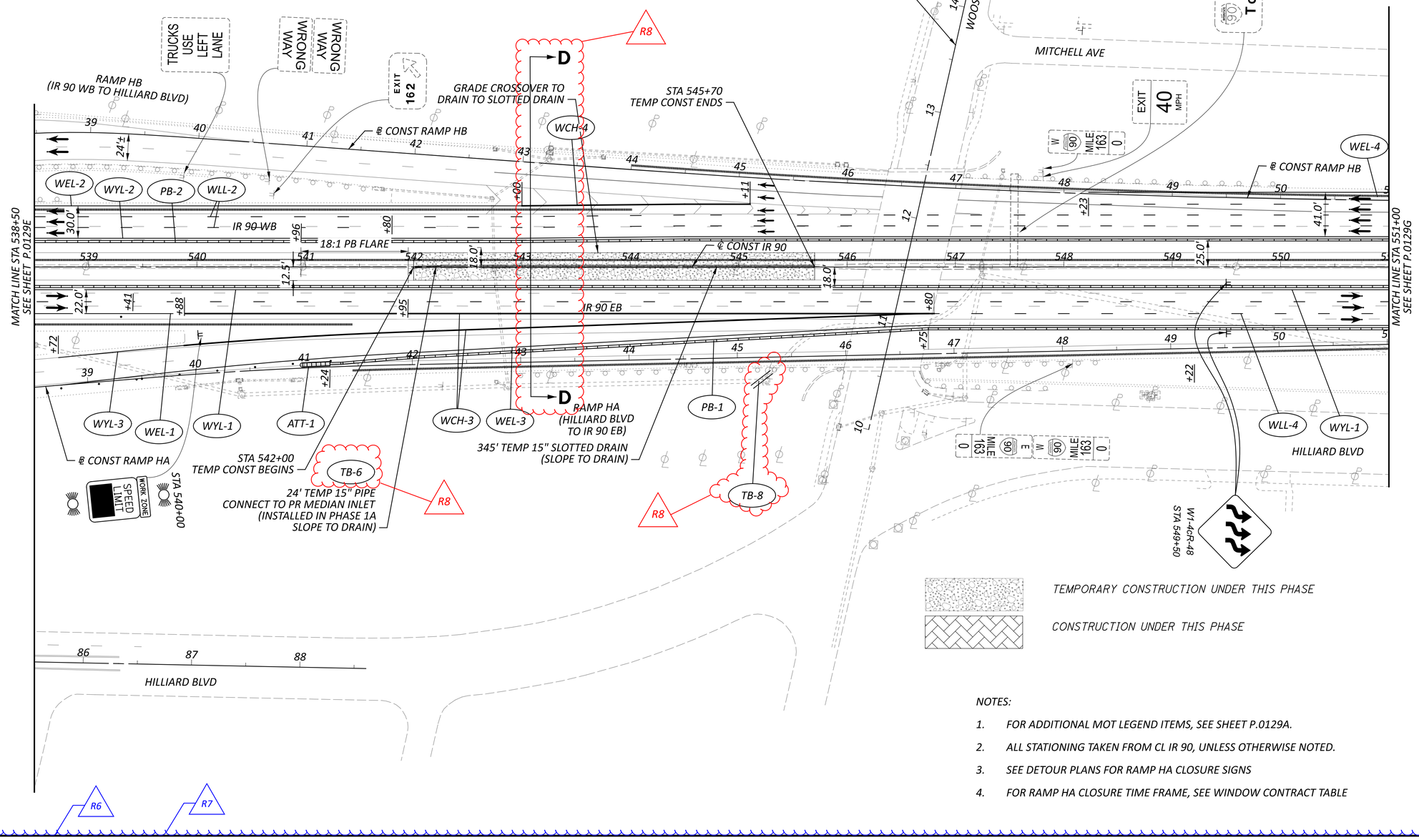
DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0129E TOTAL P.1587

CUY-90-6.69

(MODEL: S1P1 - Plan 03 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 10:15:59 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110B.dgn



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



TEMPORARY CONSTRUCTION UNDER THIS PHASE

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.
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

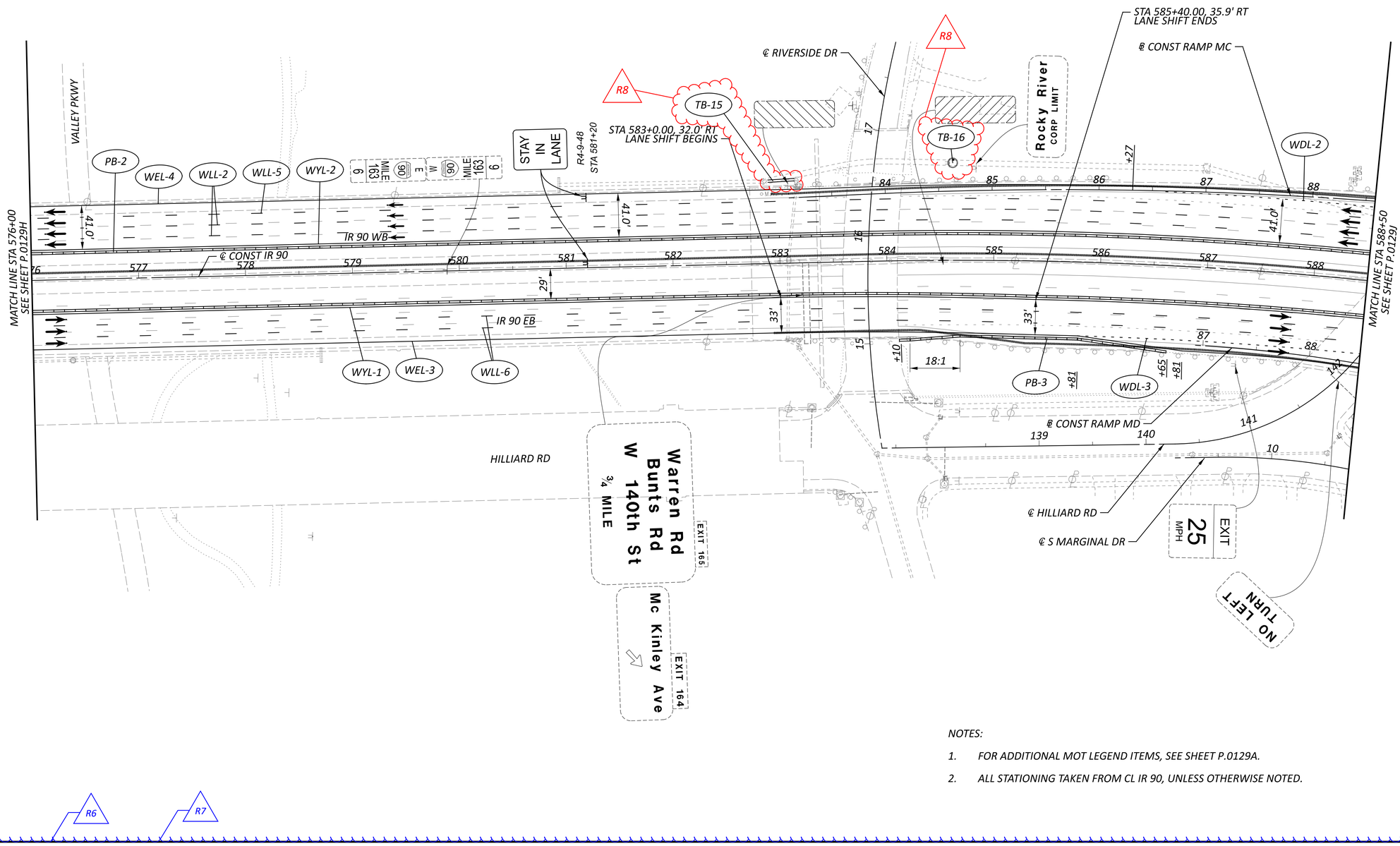
MAINTENANCE OF TRAFFIC PHASE 1B
STA 538+50 TO STA 551+00

DESIGN AGENCY
STRUCTUREPOINT LLC

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

CUY-90-6.69

MODEL: S1P1 - Plan 04 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 10:16:55 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110B.dgn



NOTES:

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

HORIZONTAL SCALE IN FEET
0 25 50 100

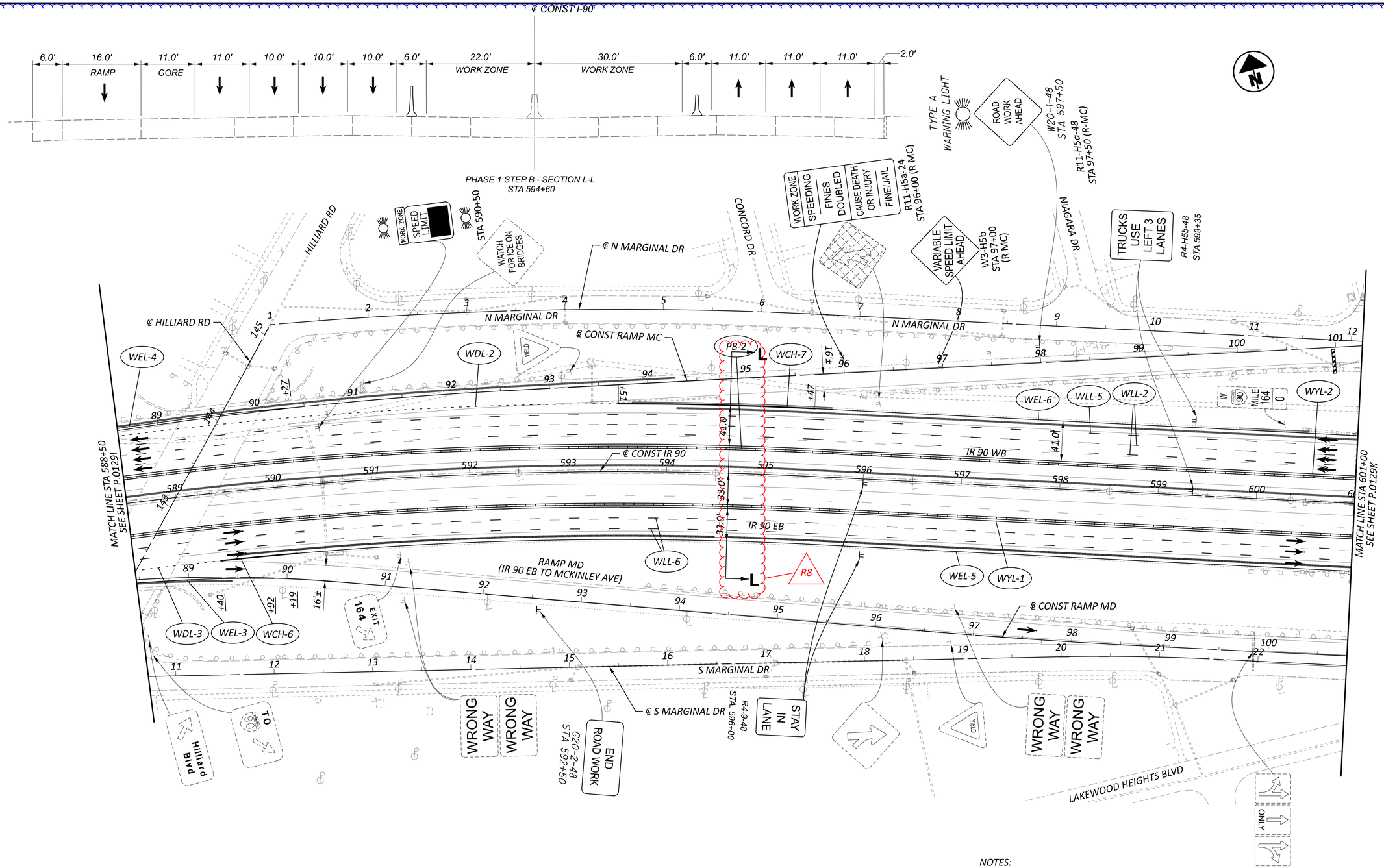
MAINTENANCE OF TRAFFIC PHASE 1B
STA 576+00 TO STA 588+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

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

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 07 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/8/2025 TIME: 10:17:48 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MPII0B.dgn



TEMPORARY CONSTRUCTION UNDER THIS PHASE

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.
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

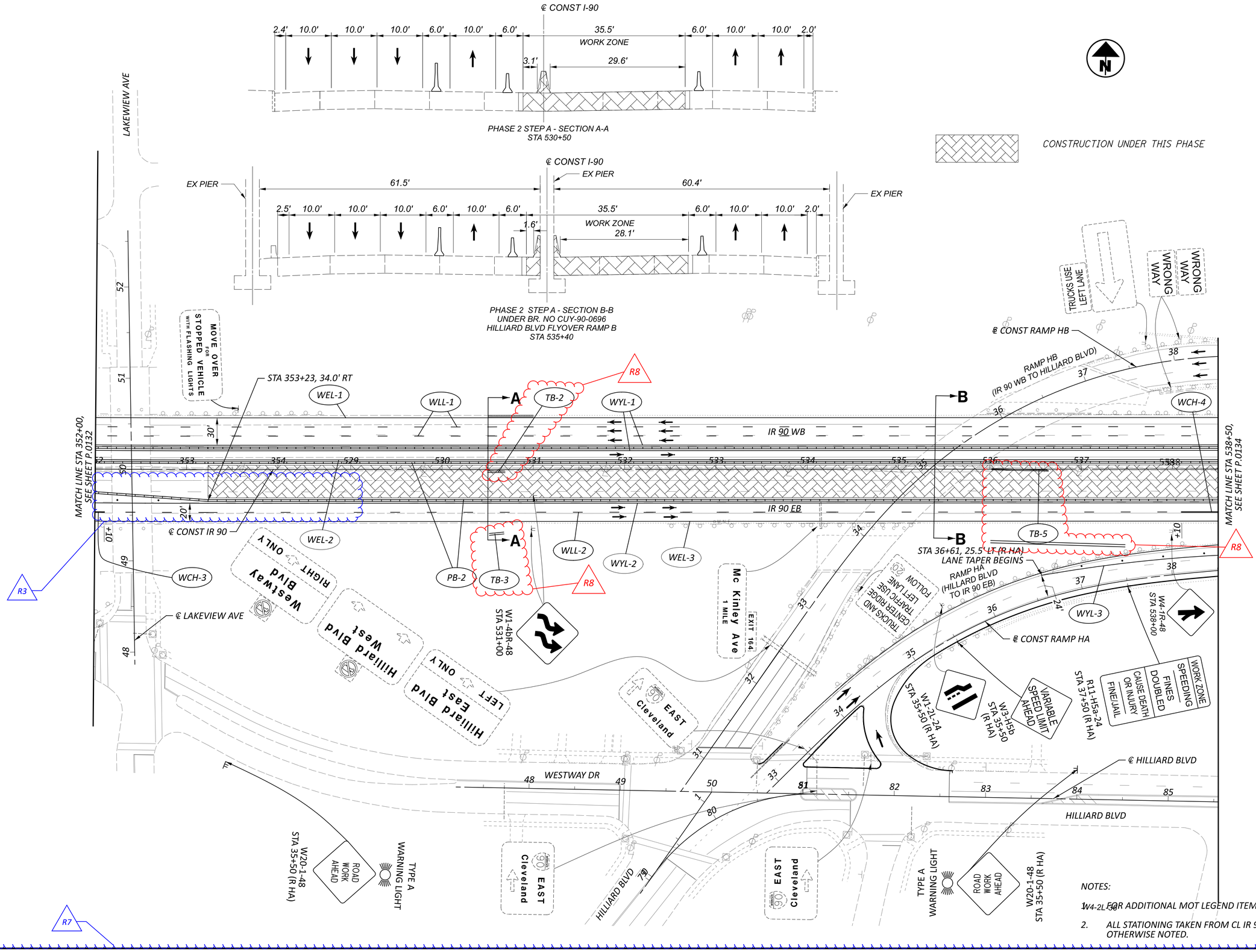
MAINTENANCE OF TRAFFIC PHASE 1B
STA 588+50 TO STA 601+00

DESIGN AGENCY
STRUCTUREPOINT LLC

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

CUY-90-6.69

MODEL: S1P1 - Plan 08 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 10:38:54 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP110B.dgn



NOTES:

1. W4-2L-36 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 352+00 TO STA 538+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
DMS

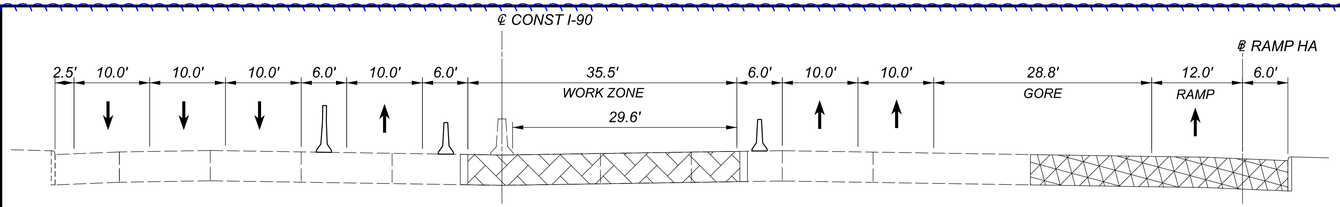
REVIEWER
RDC 04/14/23

PROJECT ID
76779

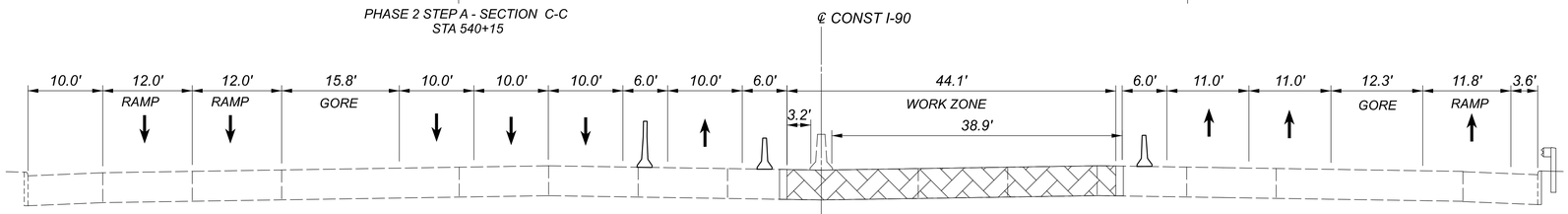
SHEET P.0133 | TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 03 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 10:45:09 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn

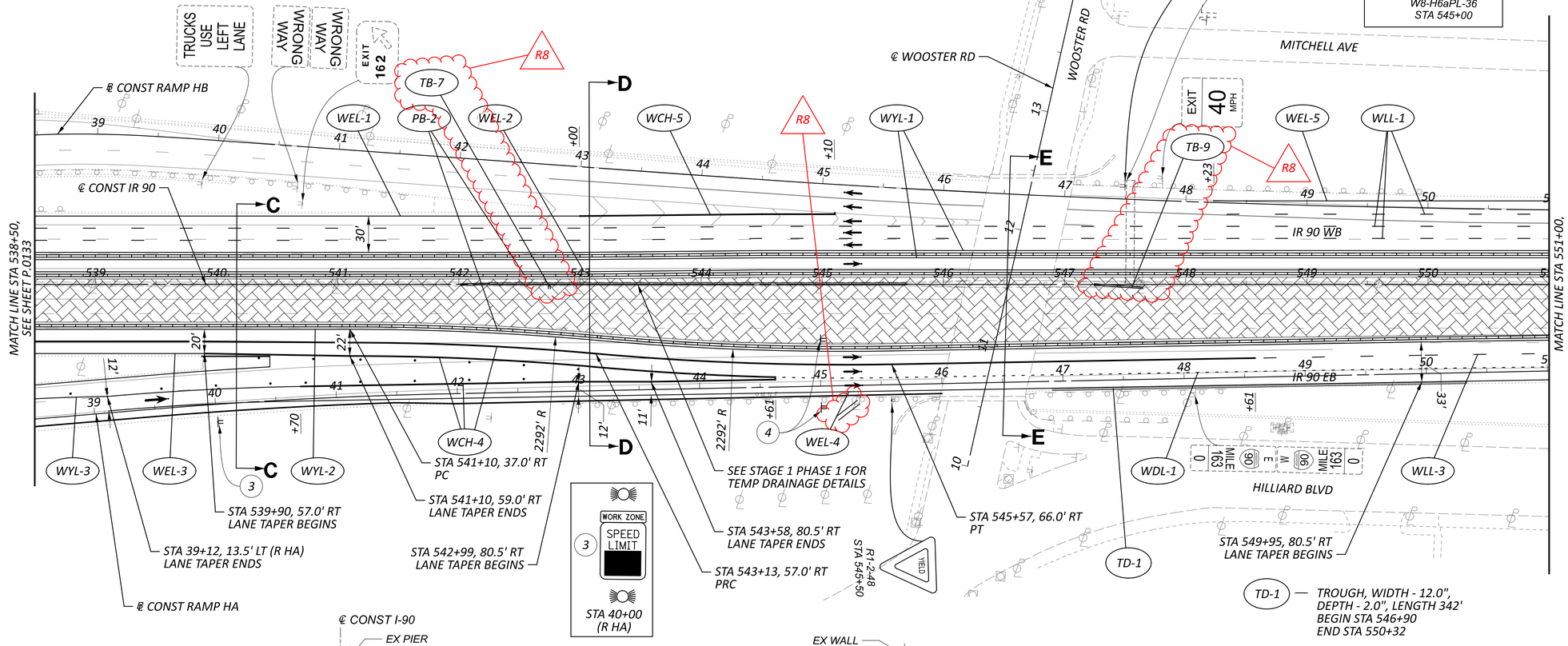


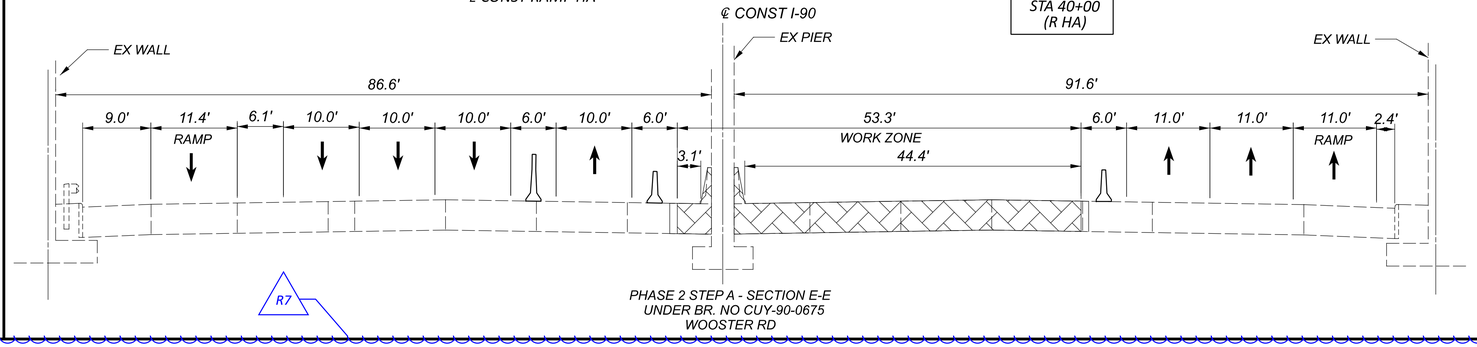
PHASE 2 STEP A - SECTION C-C
STA 540+15



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

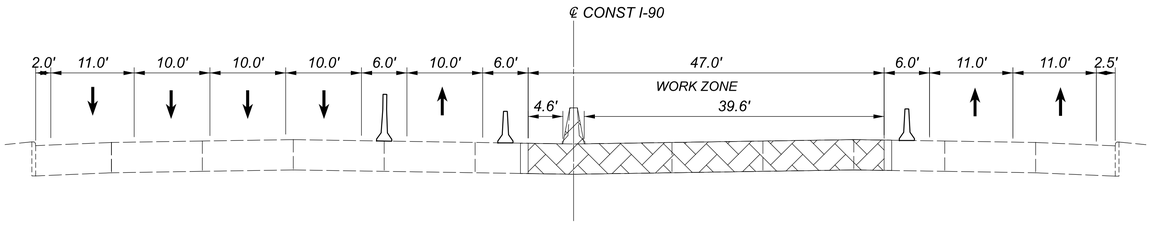
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 538+50 TO STA 551+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

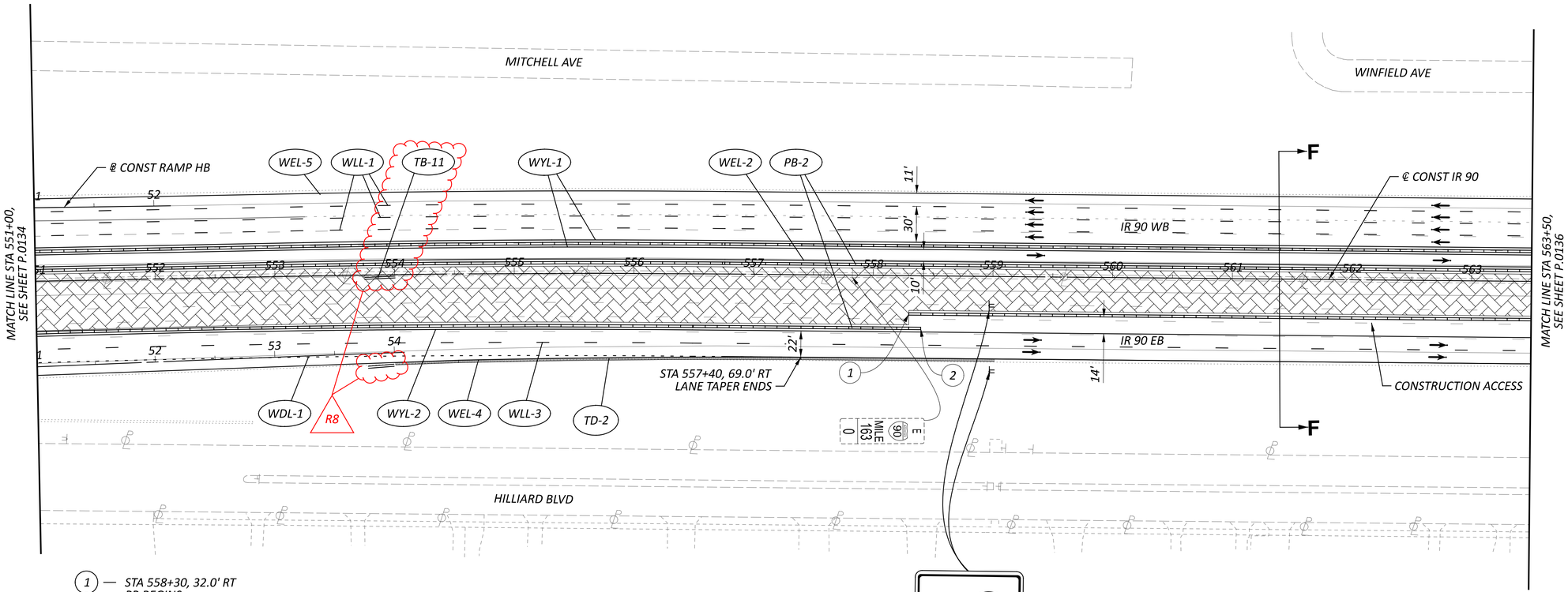
DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0134 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 04 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 11:07:24 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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

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

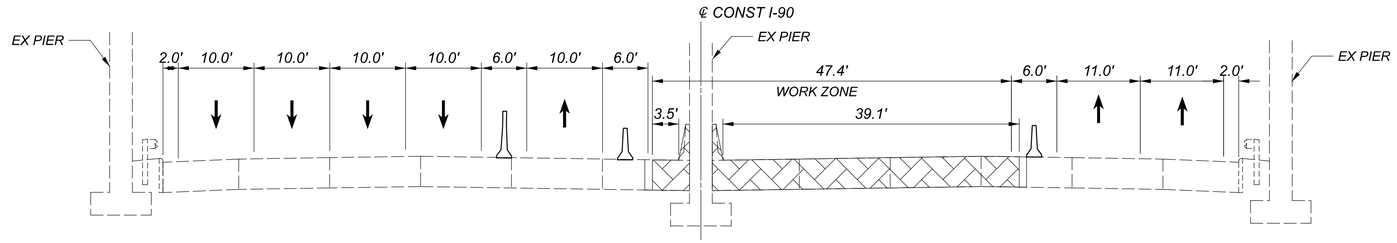
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 551+00 TO STA 563+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

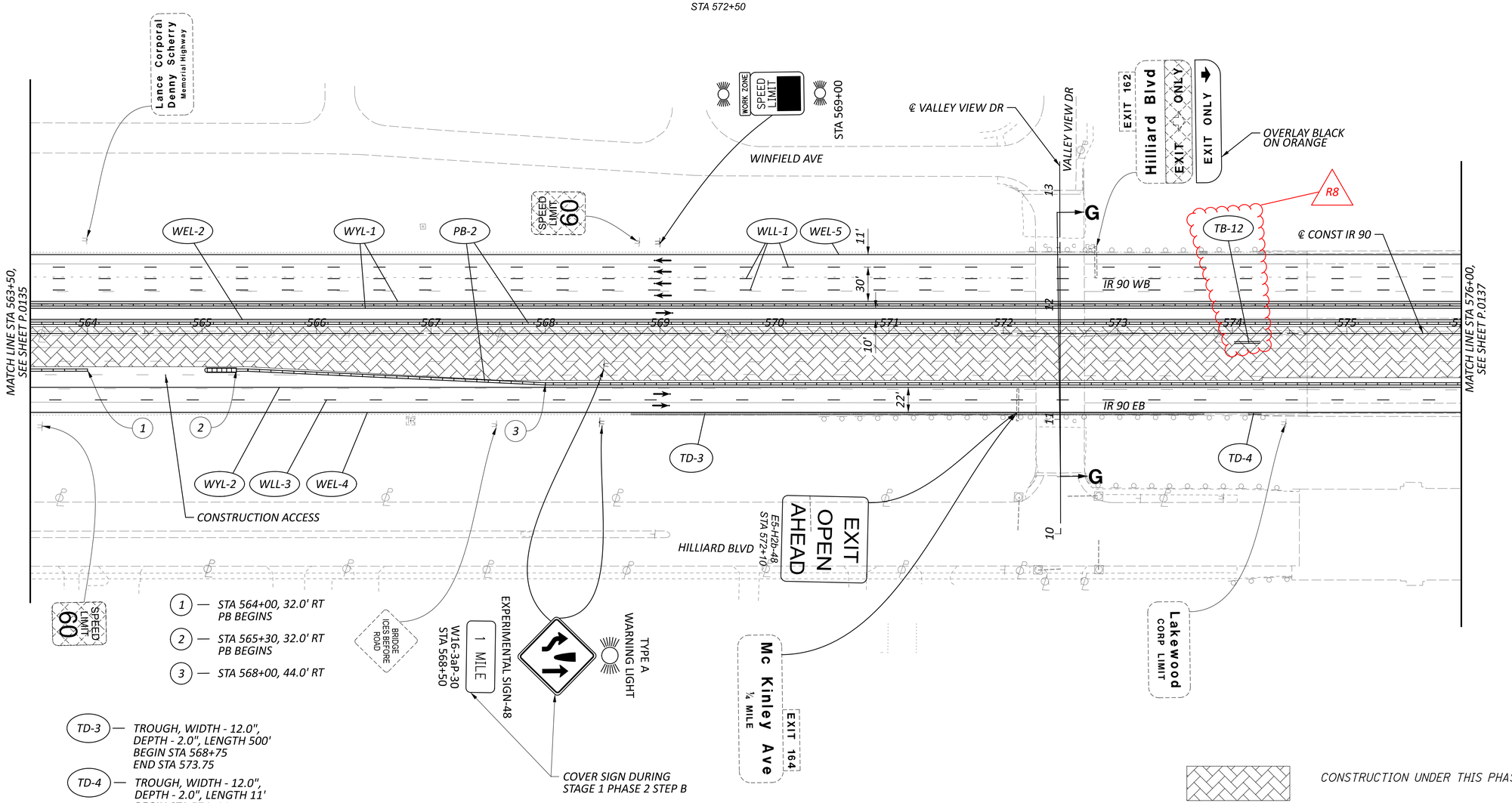
DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0135 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 05 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 11:47:51 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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



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

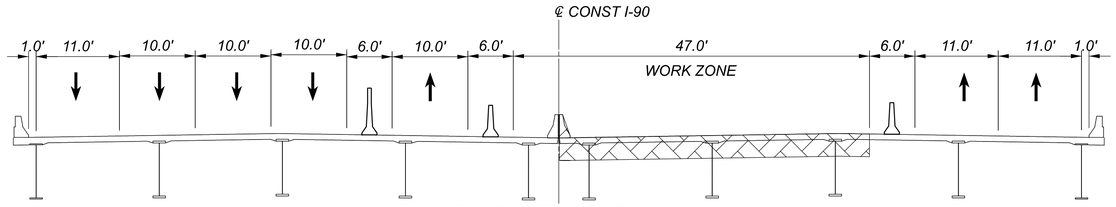
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 563+50 TO STA 576+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

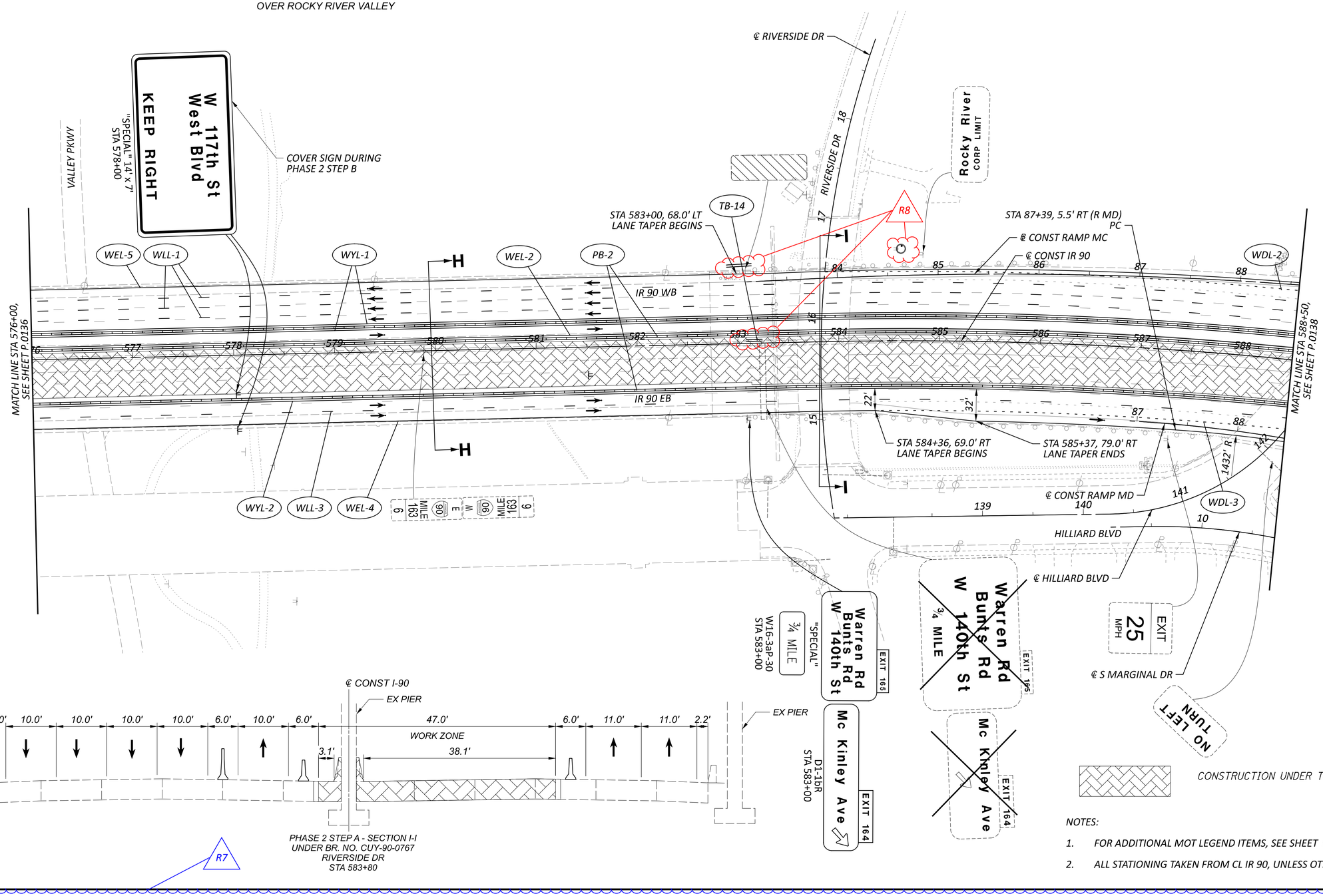
DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0136 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 06 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:10:19 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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

R7

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

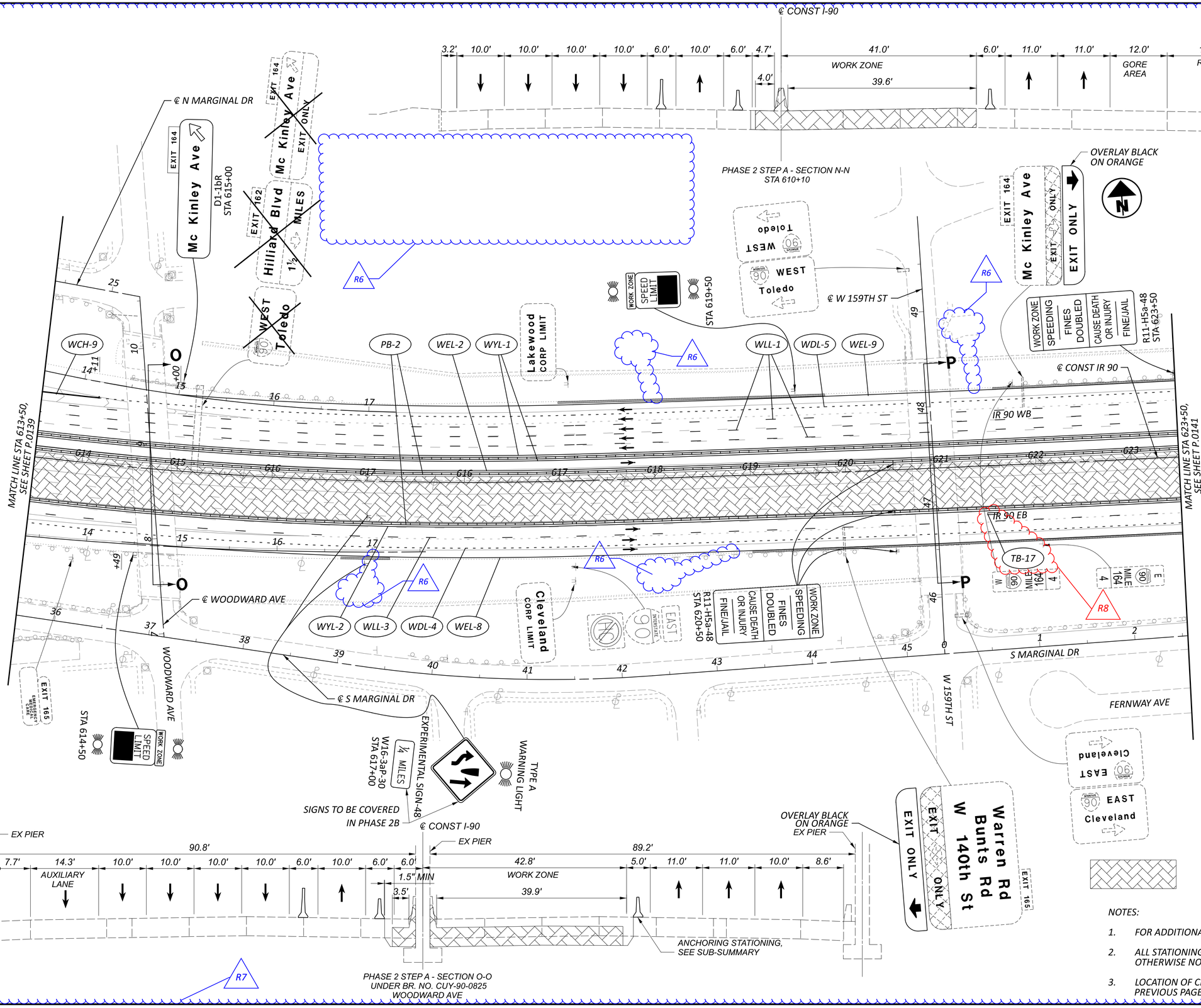
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 576+00 TO STA 588+50

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

MODEL: S1P2A - Plan 07 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 9:52:27 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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.

HORIZONTAL SCALE IN FEET
0 25 50 100

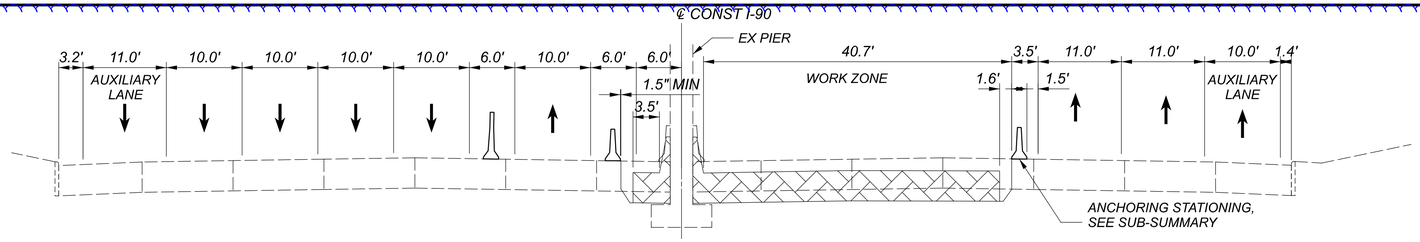
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 613+50 TO STA 623+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

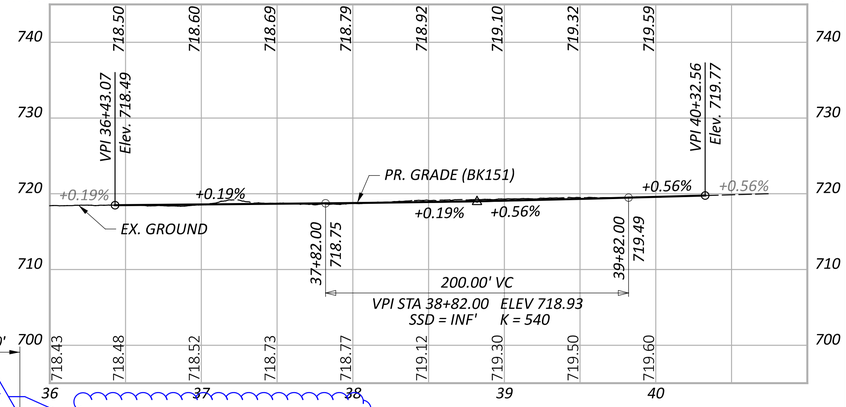
DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0140 TOTAL P.1587

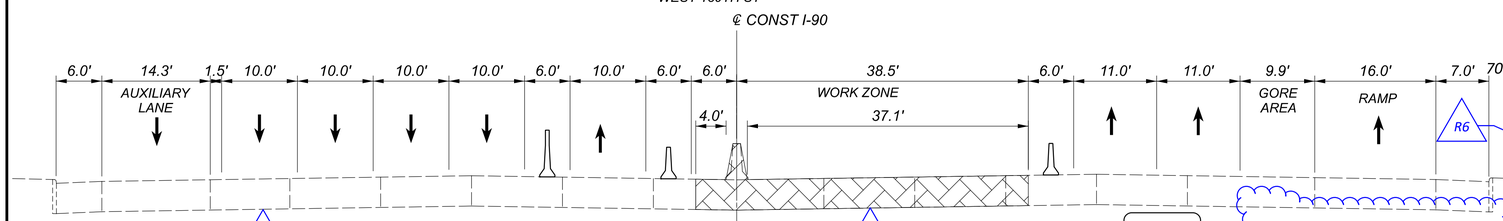
CUY-90-6.69

MODEL: S1P2A - Plan 10 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:13:14 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn

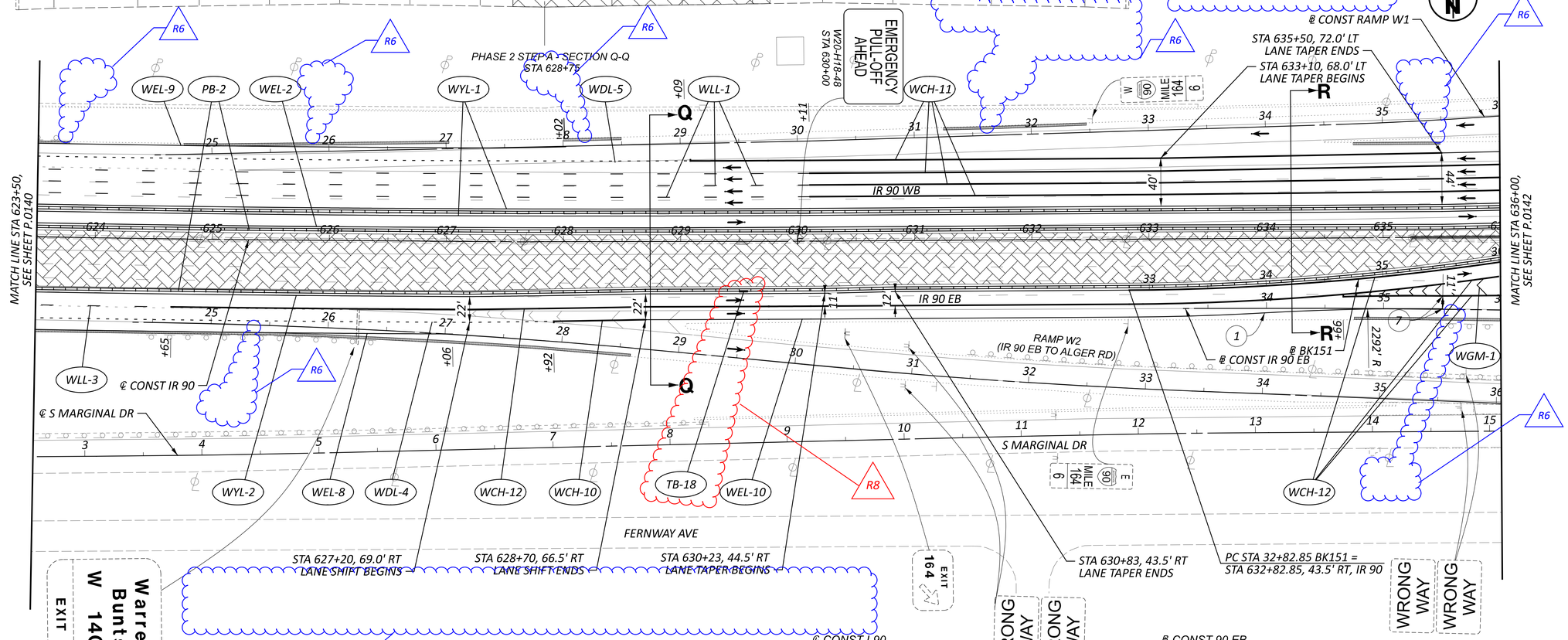


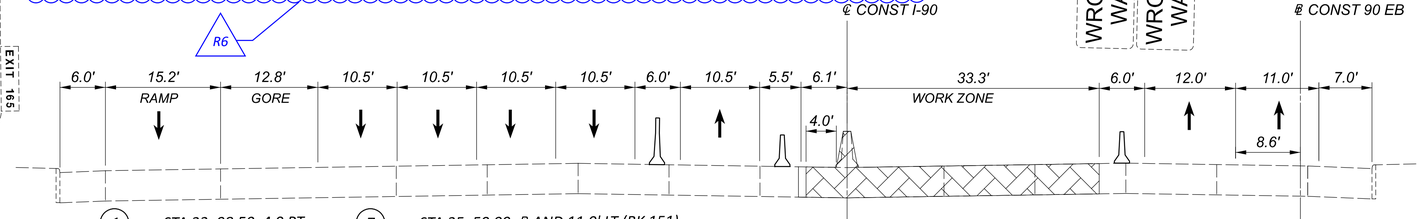
PHASE 2 STEP A - SECTION P-P
UNDER BR. NO. CUY-90-0844
WEST 159TH ST





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





(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

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.

HORIZONTAL SCALE IN FEET
0 25 50 100

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

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

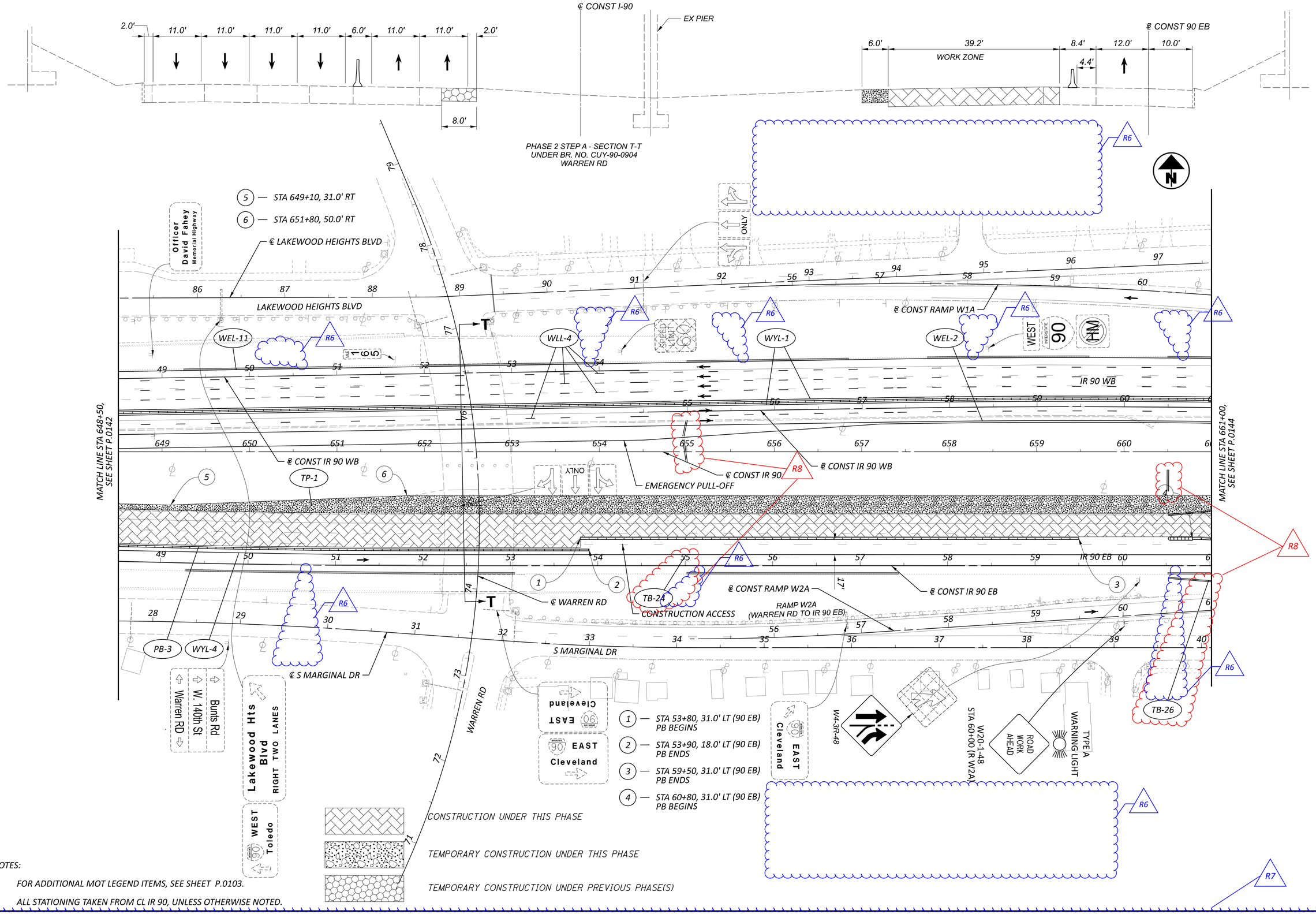
DESIGNER	DMS
REVIEWER	RDC 04/14/23
PROJECT ID	76779
SHEET	P.0141
TOTAL	P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:14:04 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn

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

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

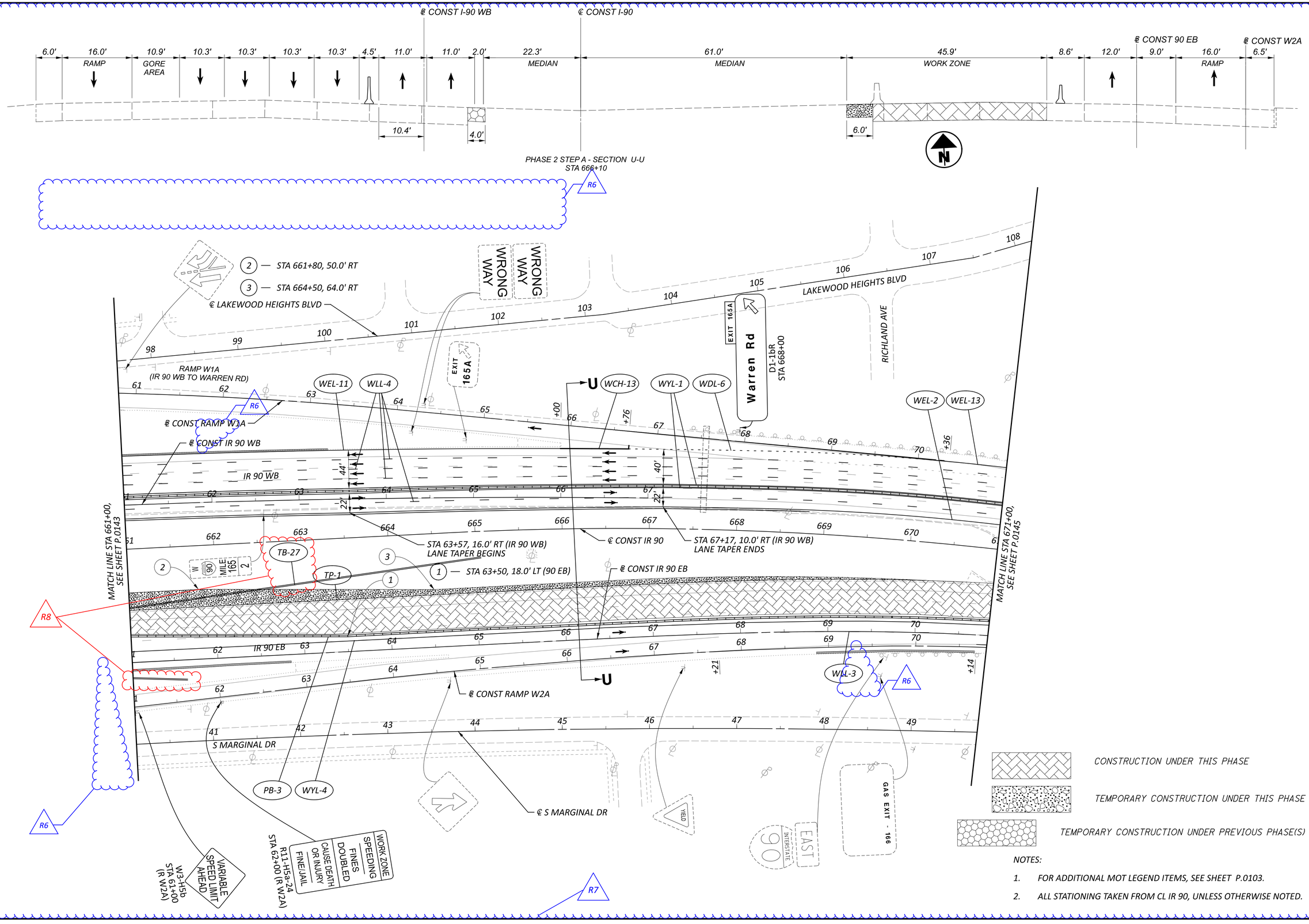
1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

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: 4/18/2025 TIME: 12:21:58 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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

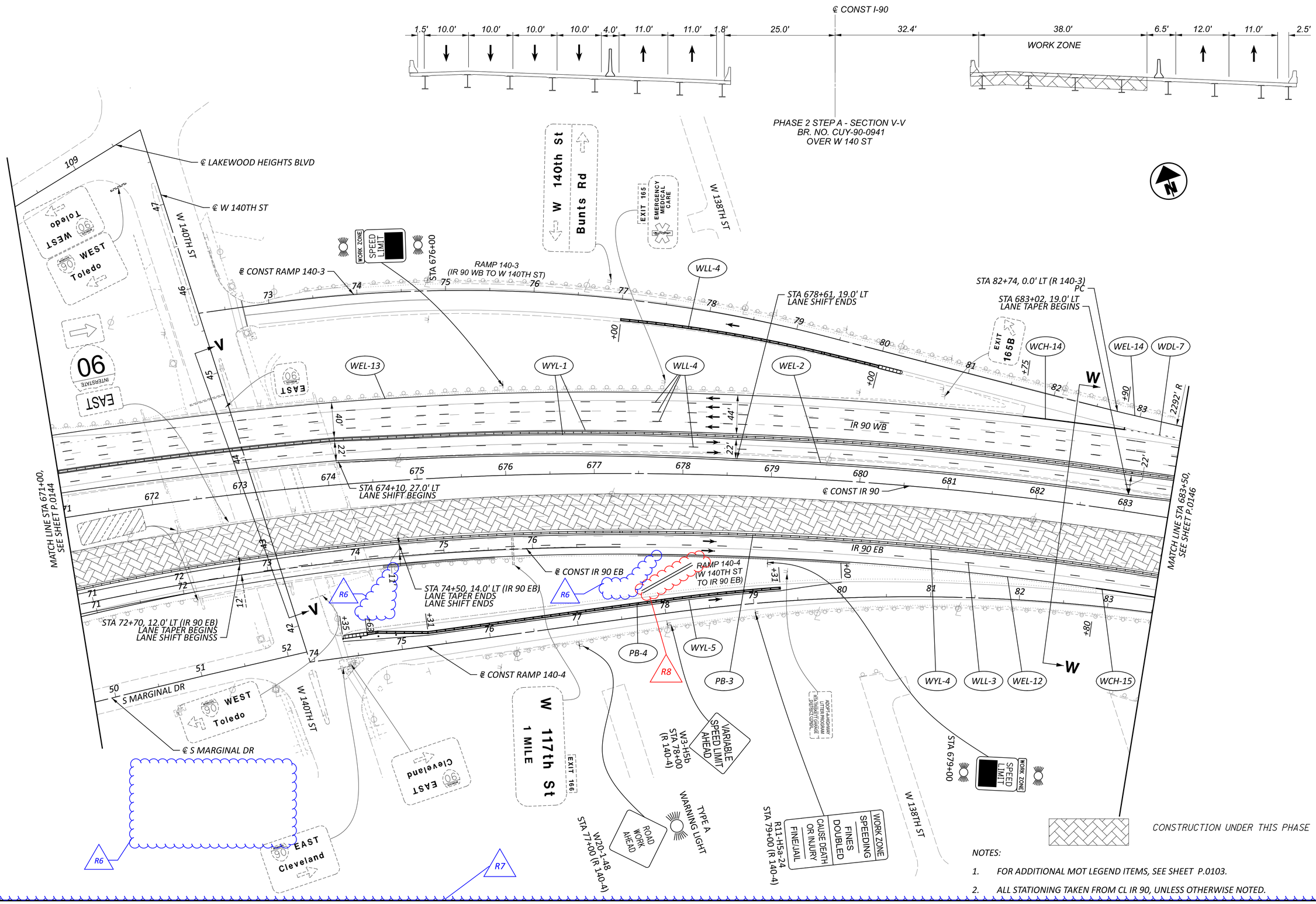
REVIEWER
RDC 04/14/23

PROJECT ID
76779

SHEET P.0144 | TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 14 |Sheet| PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:23:06 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\v00-Engineering\MOT\Sheets\76779_MP121.dgn

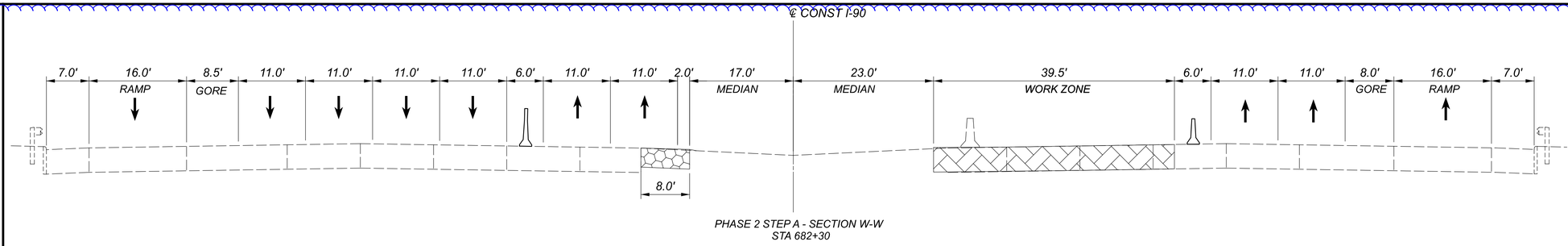


MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 671+00 TO STA 683+50

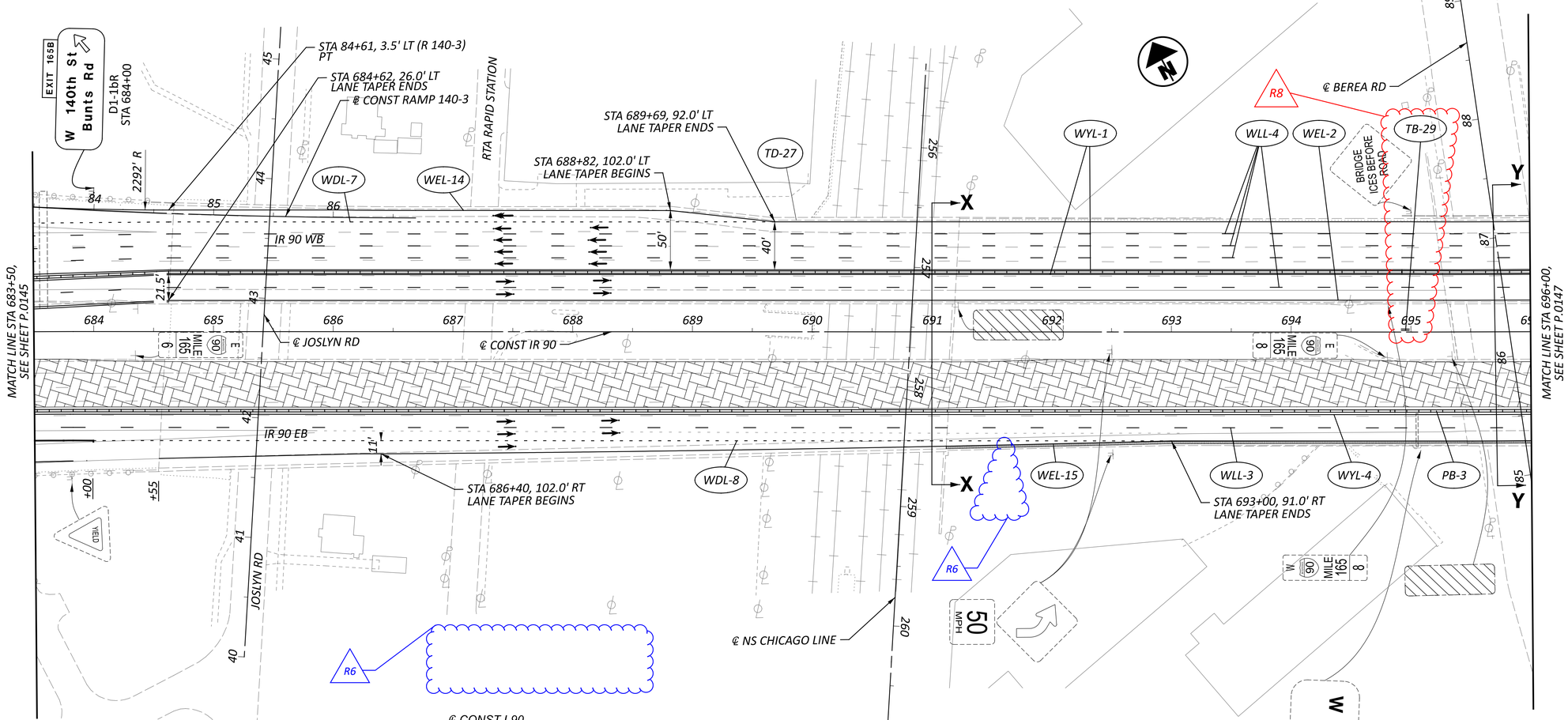
CUY-90-6.69

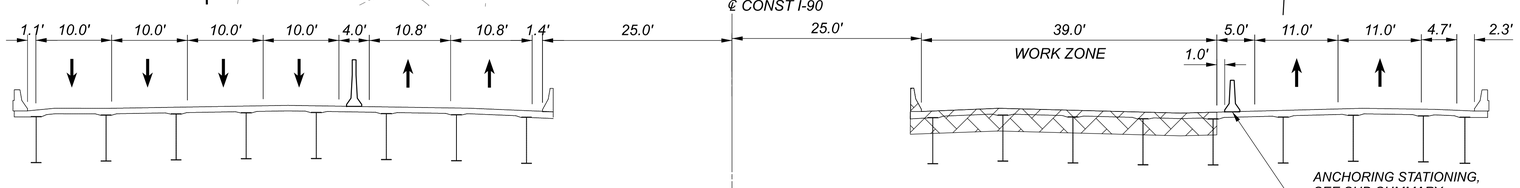
MODEL: S1P2A - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 2:12:49 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn

DESIGN AGENCY
STRUCTUREPOINT LLC
DESIGNER
DMS
REVIEWER
RDC 04/14/23
PROJECT ID
76779
SHEET P.0145 TOTAL P.1587



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

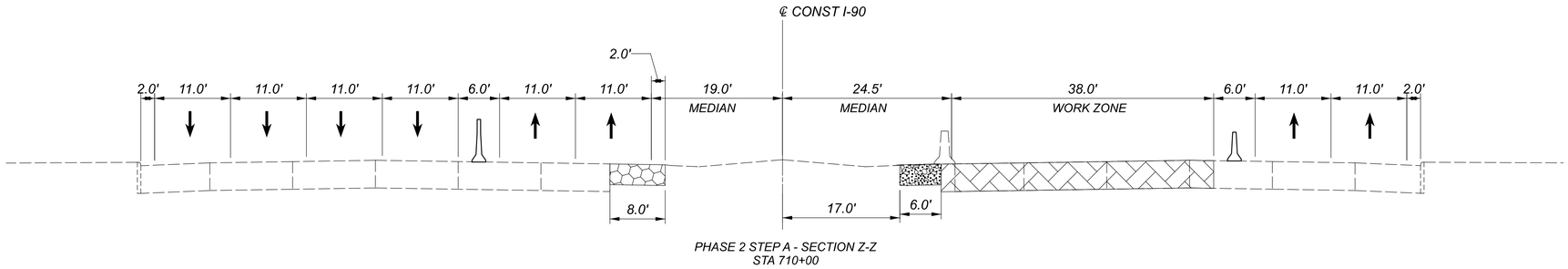
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 683+50 TO STA 696+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

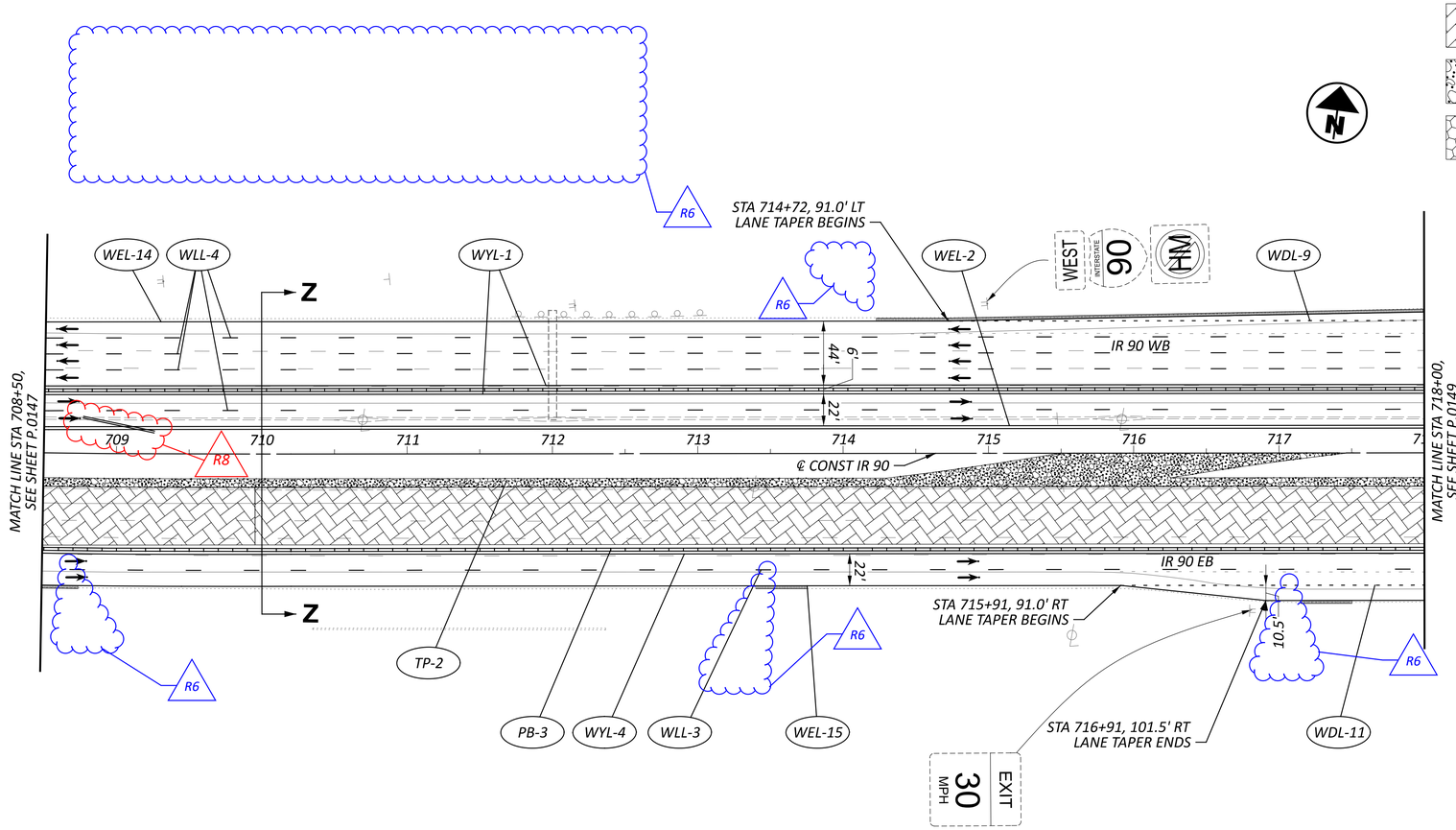
DESIGNER DMS
REVIEWER RDC 04/14/23
PROJECT ID 76779
SHEET P.0146 TOTAL P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:25:22 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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



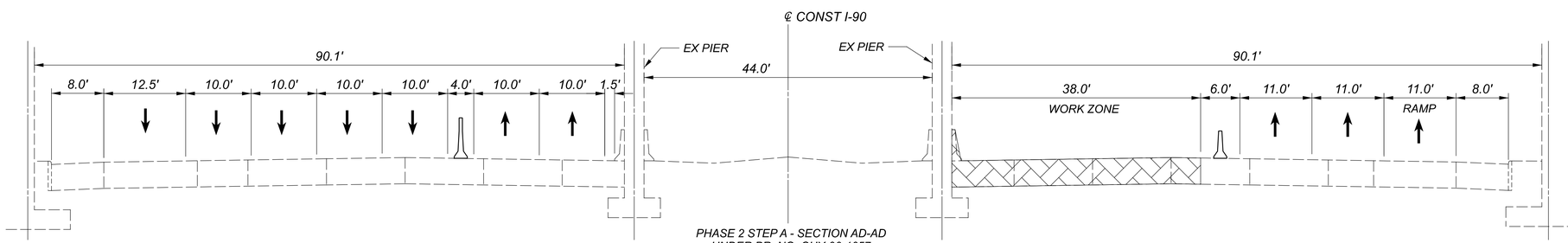
CONSTRUCTION UNDER THIS PHASE

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

CUY-90-6.69

MODEL: S1P2A - Plan 18 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:27:19 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
DMS

REVIEWER
RDC 04/14/23

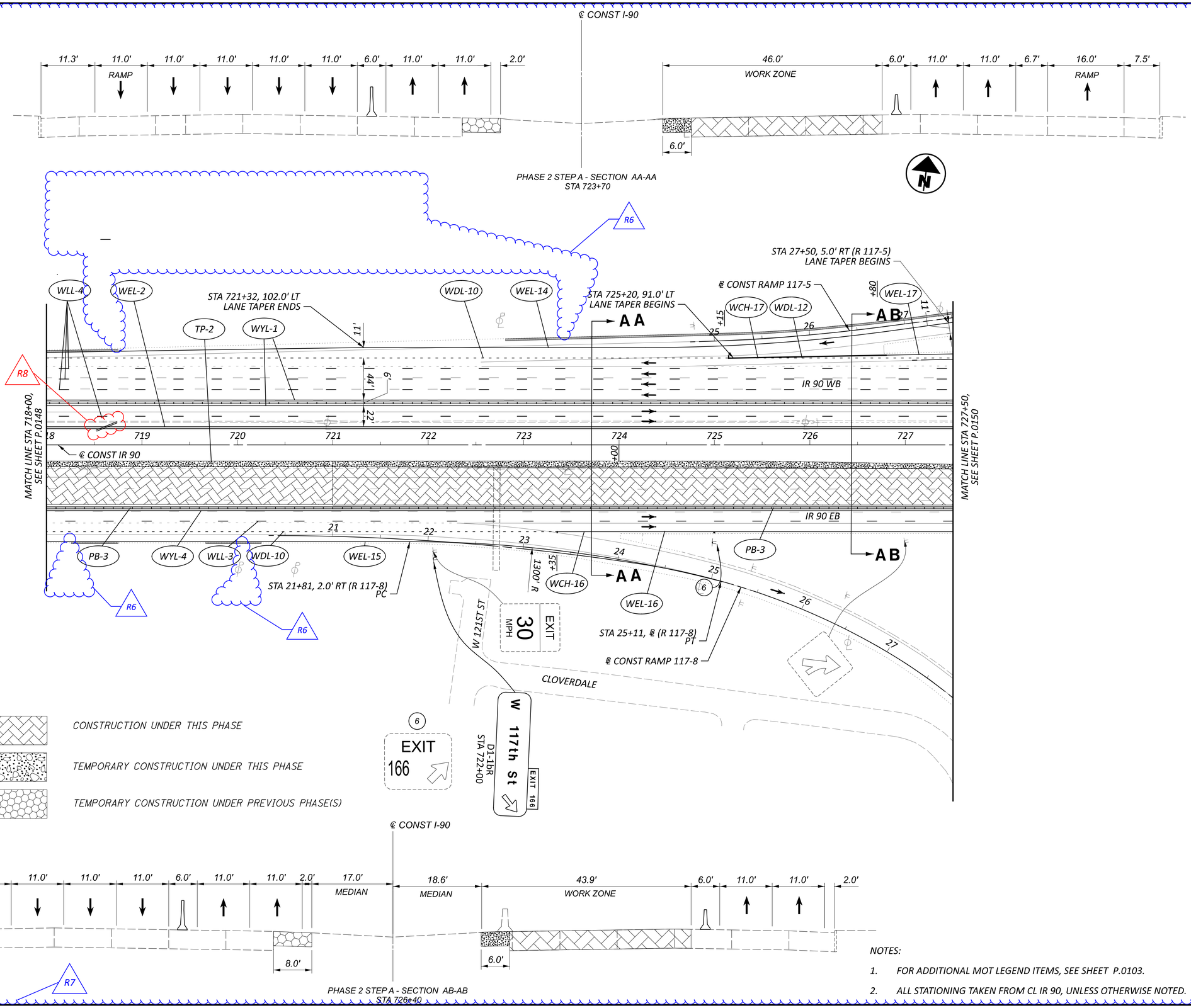
PROJECT ID
76779

SHEET P.0148 | TOTAL P.1587

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

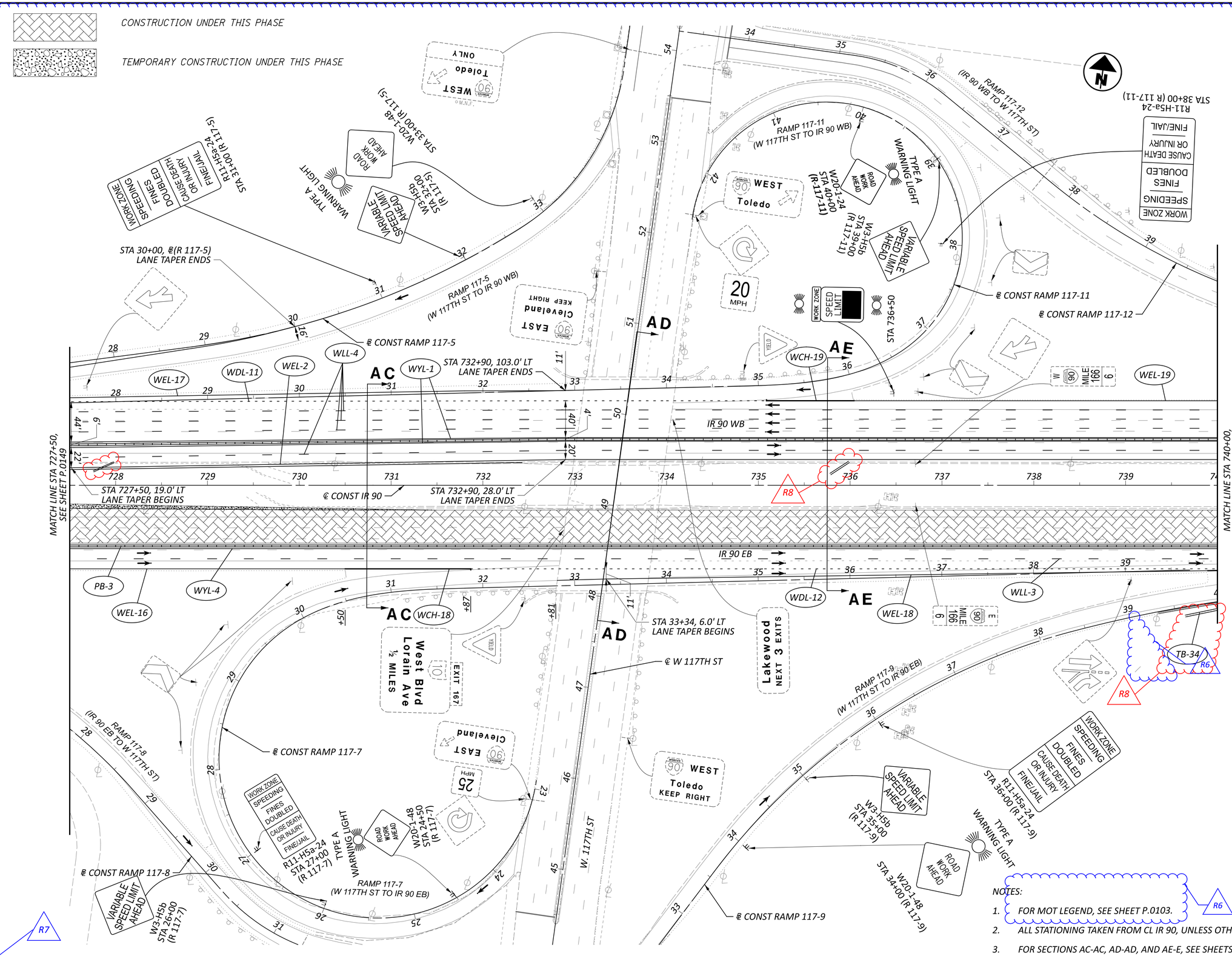
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 718+00 TO STA 727+50

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: 4/18/2025 TIME: 12:28:29 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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

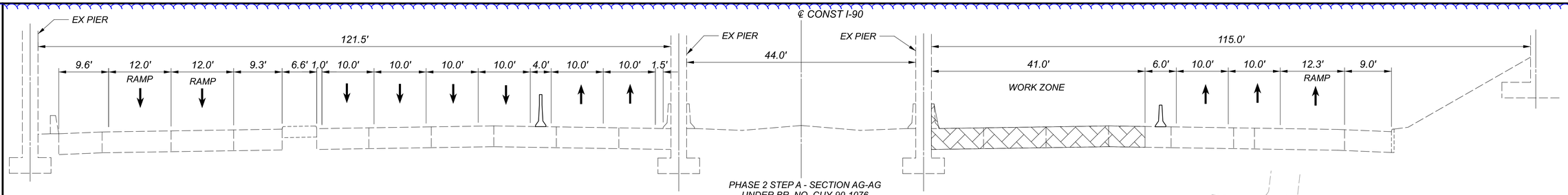
REVIEWER: RDC 04/14/23

PROJECT ID: 76779

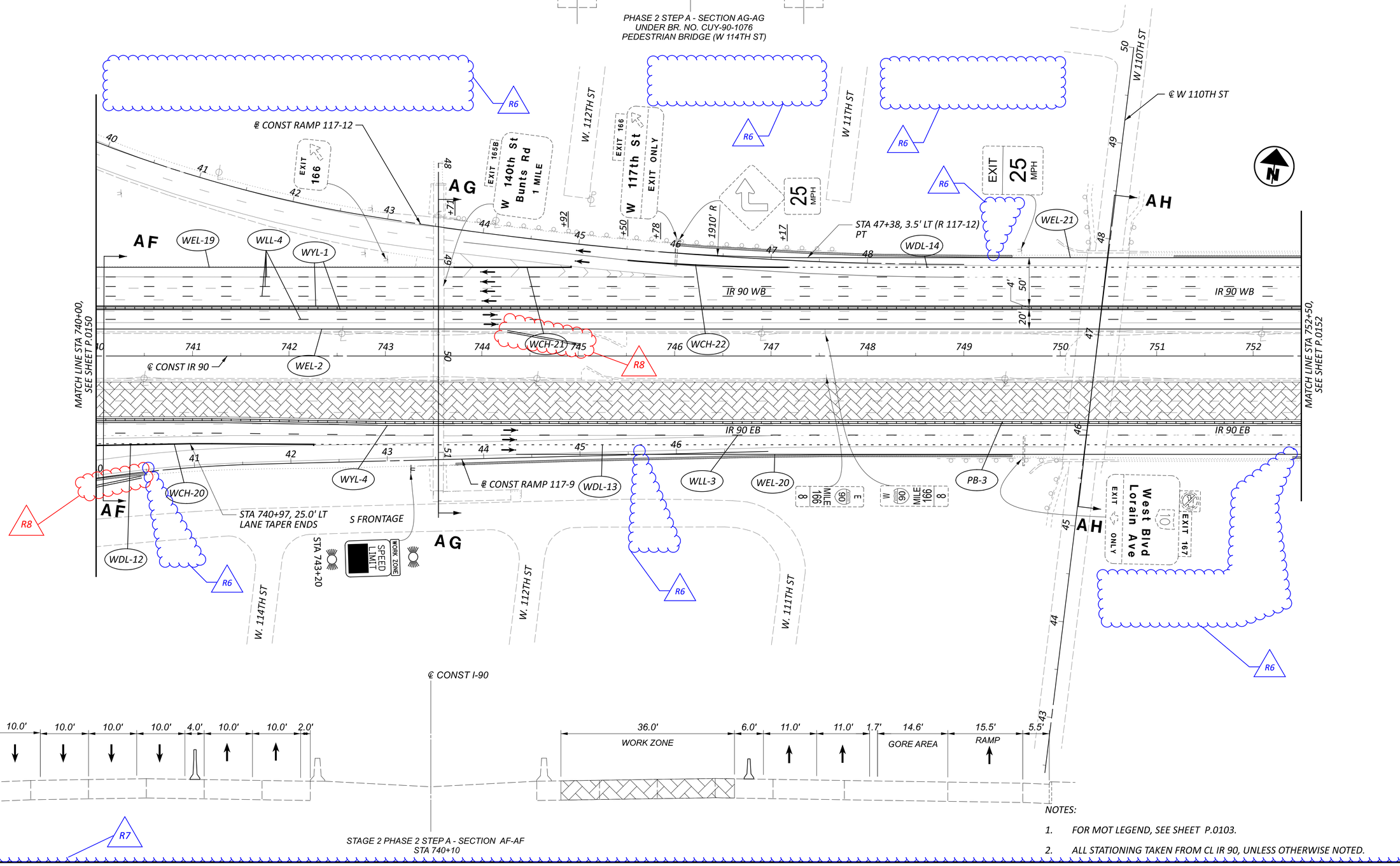
SHEET: P.0150 TOTAL: P.1587

CUY-90-6.69

MODEL: S1P2A - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 12:29:23 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn



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

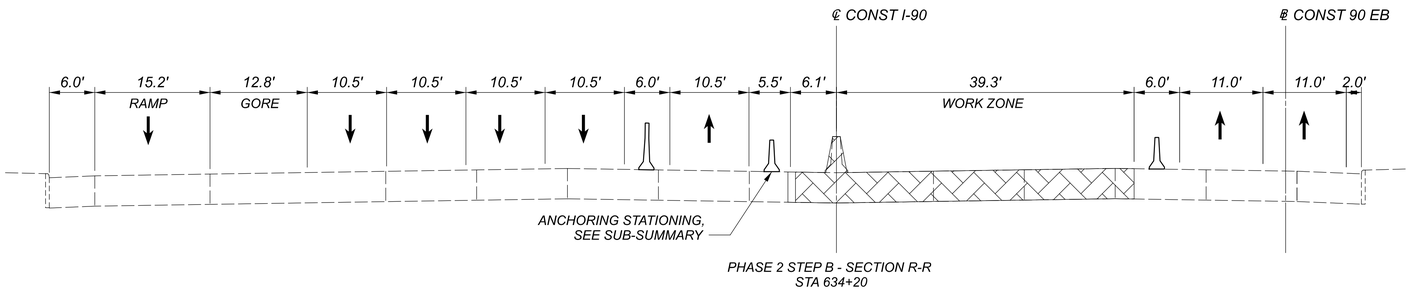
MAINTENANCE OF TRAFFIC PHASE 2A, 2B
STA 740+00 TO STA 752+50

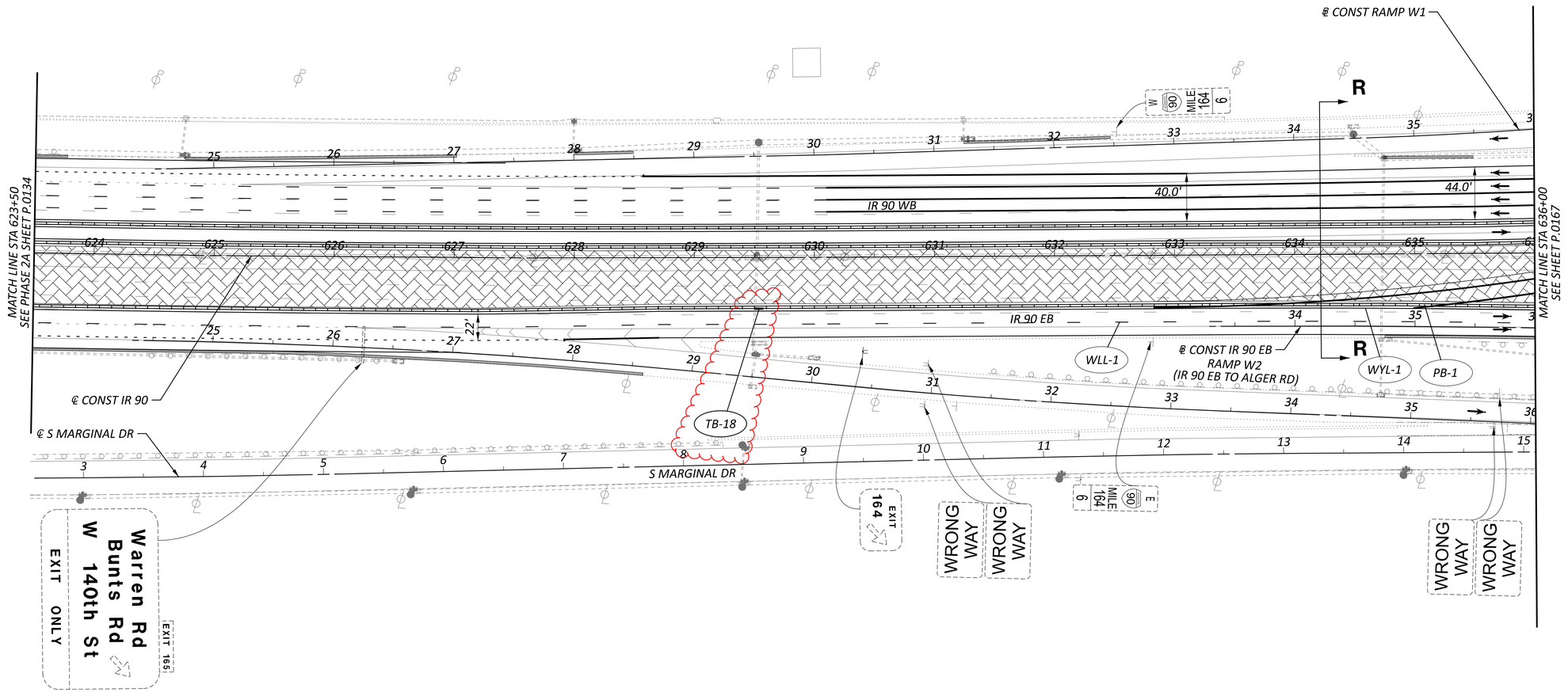
DESIGN AGENCY
WILBUR SMITH STRUCTUREPOINT INC.

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: 4/18/2025 TIME: 12:30:46 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP121.dgn





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

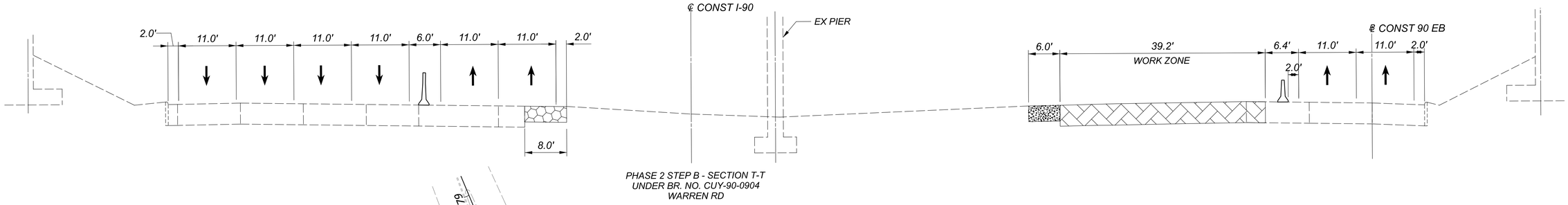
MAINTENANCE OF TRAFFIC PHASE 2B
STA 623+50 TO STA 636+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

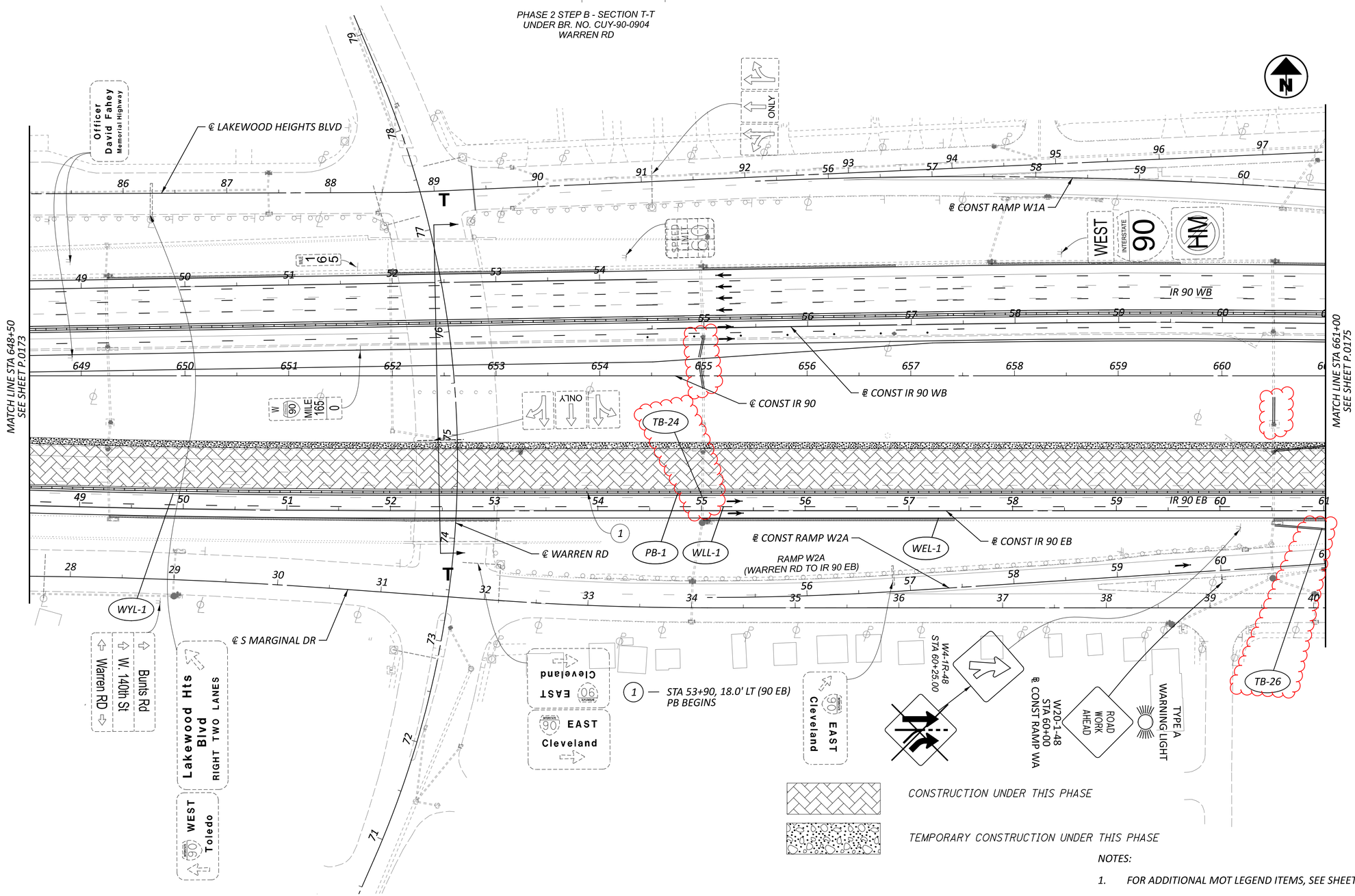
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0172
TOTAL	P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 2:18:58 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP122.dgn



PHASE 2 STEP B - SECTION T-T
UNDER BR. NO. CUY-90-0904
WARREN RD



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.

HORIZONTAL SCALE IN FEET
0 25 50 100

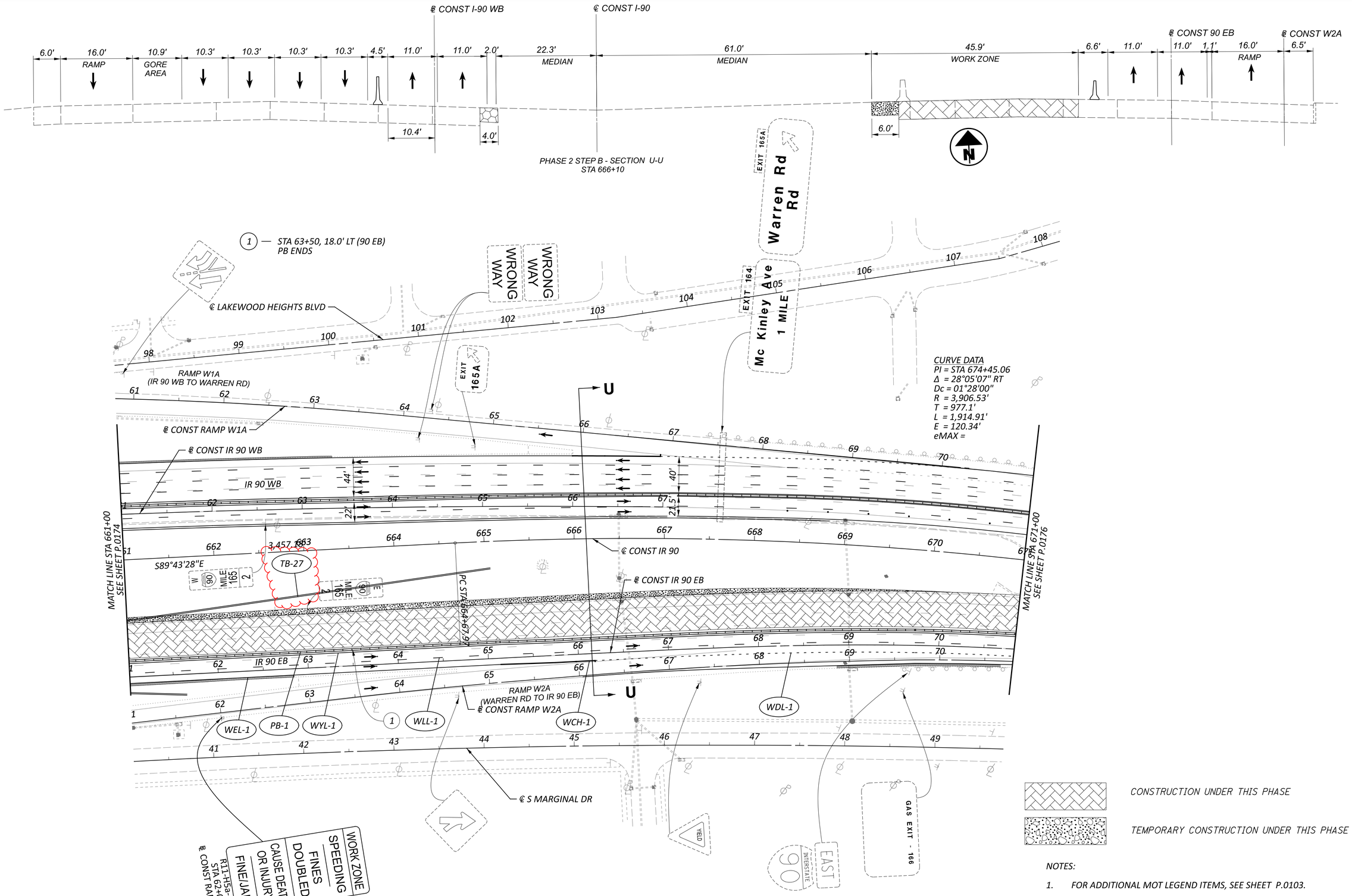
MAINTENANCE OF TRAFFIC PHASE 2B
STA 648+50 TO STA 661+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0174 TOTAL P.1587

CUY-90-6.83

MODEL: MOT Plan Sheets - Plan 13 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 2:25:38 PM USER: soft
pw:\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779.400-Engineering\MOT\Sheets\76779_MPI22.dgn



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.

HORIZONTAL SCALE IN FEET
0 25 50 100

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

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0175
TOTAL	P.1587

CUY-90-6.83

MODEL: MOT Plan Sheets - Plan 14 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 2:35:45 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779.400-Engineering\MOT\Sheets\76779_MPI22.dgn

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 2B
STA 671+00 TO STA 683+50

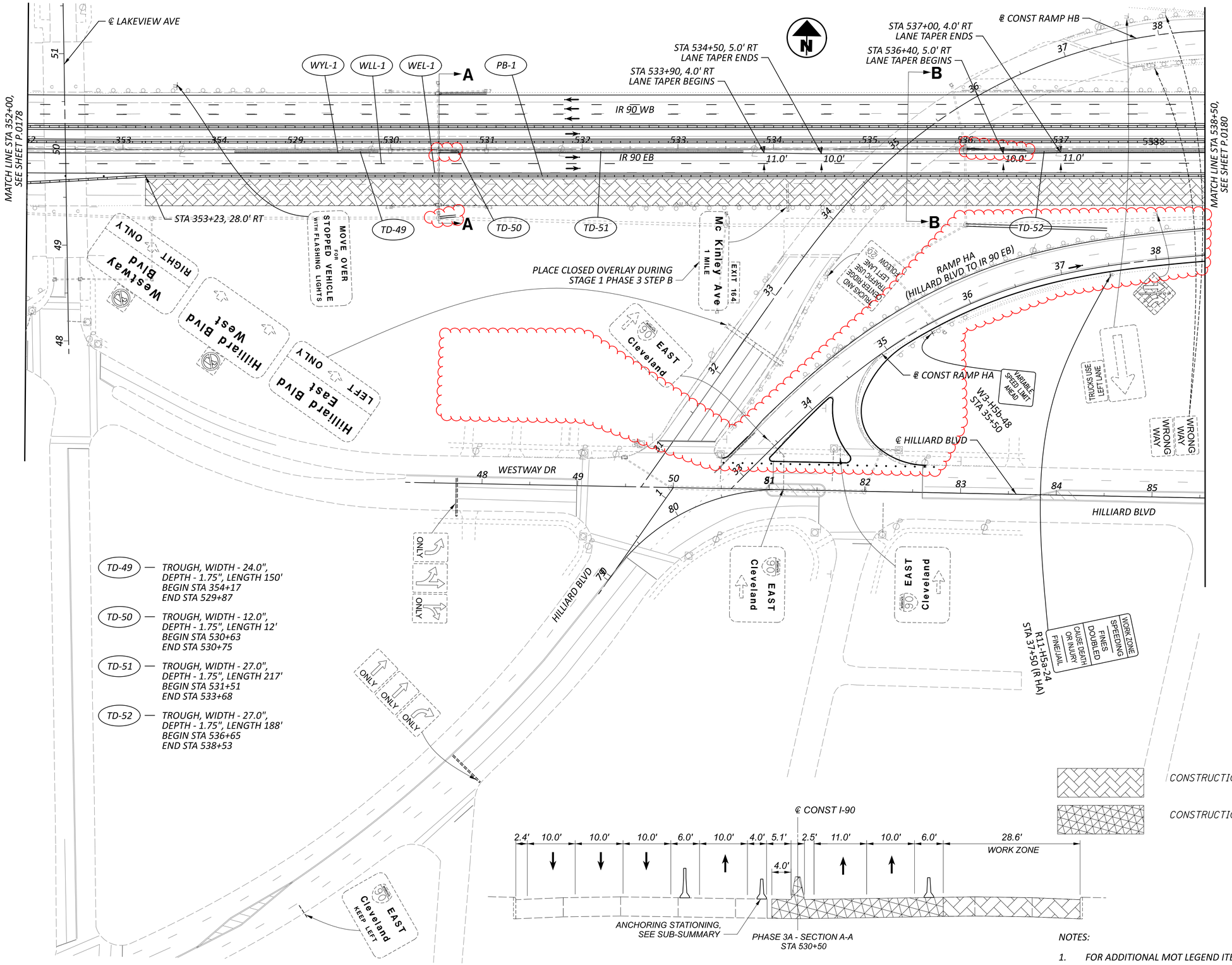
DESIGN AGENCY: STRUCTUREPOINT
DESIGNER: BER
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET P.0176 | TOTAL P.1587

CUY-90-6.83

MODEL: MOT Plan Sheets - Plan (Sheet) PAPERSIZE: 34x22 (in) DATE: 4/18/2025 TIME: 2:27:15 PM USER: sott
pw:\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\Y6779_MPI22.dgn

MAINTENANCE OF TRAFFIC PHASE 3A, 3C
STA 352+00 TO STA 538+50

HORIZONTAL SCALE IN FEET
0 25 50 100



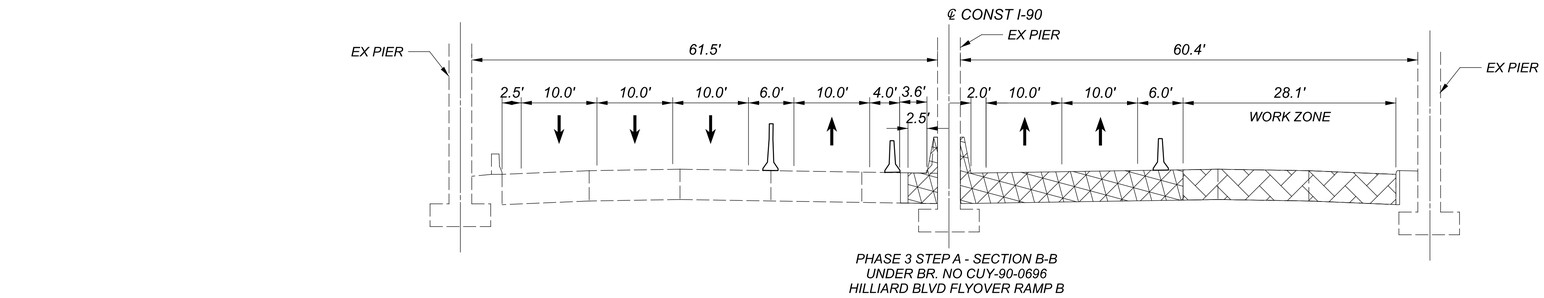
NOTES:

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

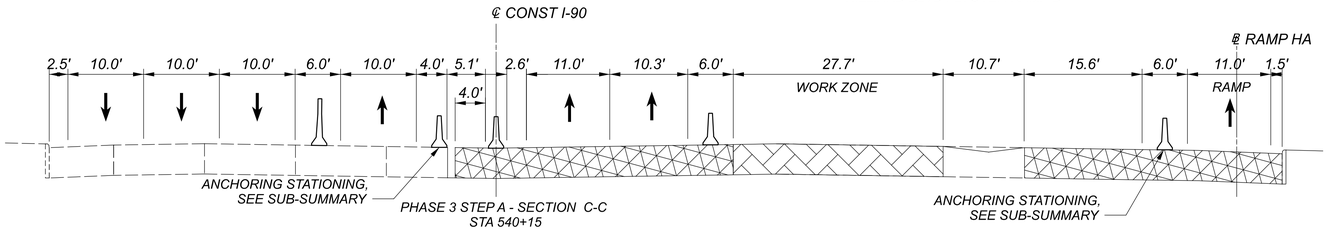
DESIGN AGENCY: AMEREN STRUCTUREPOINT INC.
DESIGNER: DMS
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0179 TOTAL: P.1587

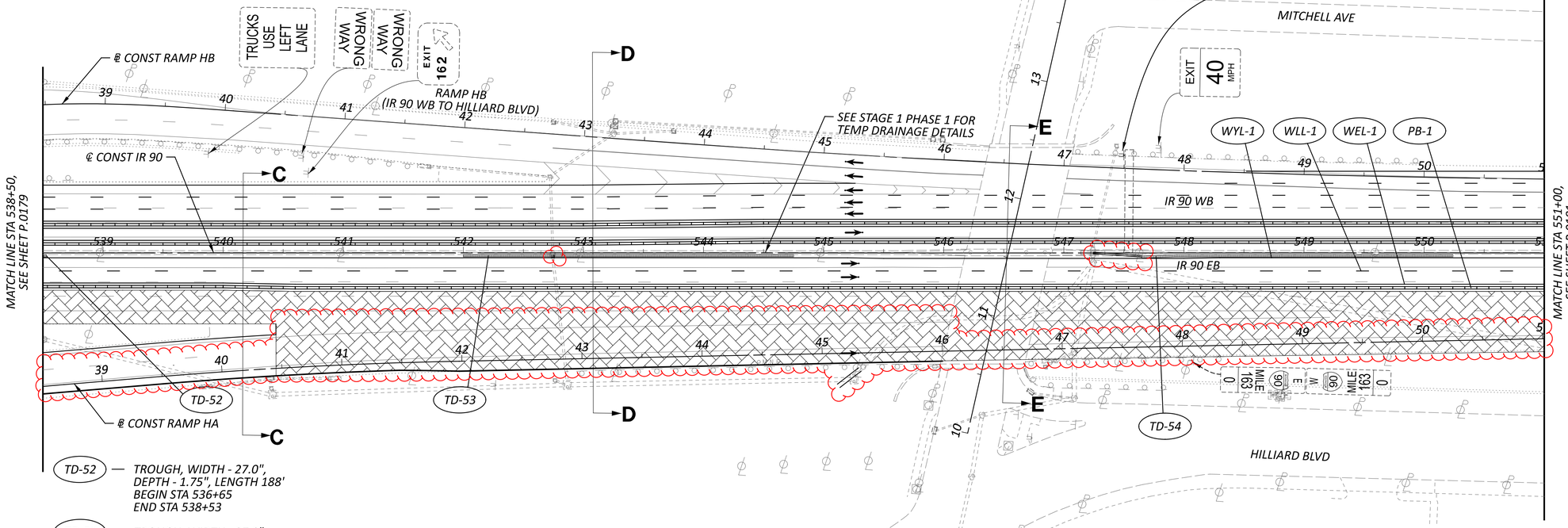
CUY-90-6.69

MODEL: S1P3A - Plan 03 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:15:30 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\V6779\400-Engineering\MOT\Sheets\V6779_MP131.dgn



PHASE 3 STEP A - SECTION B-B
UNDER BR. NO CUY-90-0696
HILLIARD BLVD FLYOVER RAMP B

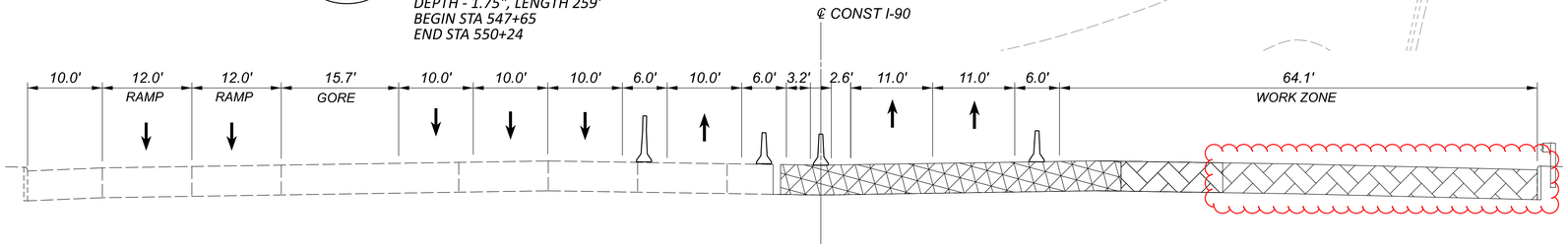




TD-52 — TROUGH, WIDTH - 27.0", DEPTH - 1.75", LENGTH 188'
BEGIN STA 536+65
END STA 538+53

TD-53 — TROUGH, WIDTH - 27.0", DEPTH - 1.75", LENGTH 275'
BEGIN STA 542+00
END STA 544+75

TD-54 — TROUGH, WIDTH - 27.0", DEPTH - 1.75", LENGTH 259'
BEGIN STA 547+65
END STA 550+24



PHASE 3 STEP A - SECTION D-D
STA 543+10

CONSTRUCTION UNDER THIS PHASE

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 B-B CAN BE FOUND ON PREVIOUS PAGE.

HORIZONTAL SCALE IN FEET
0 25 50 100

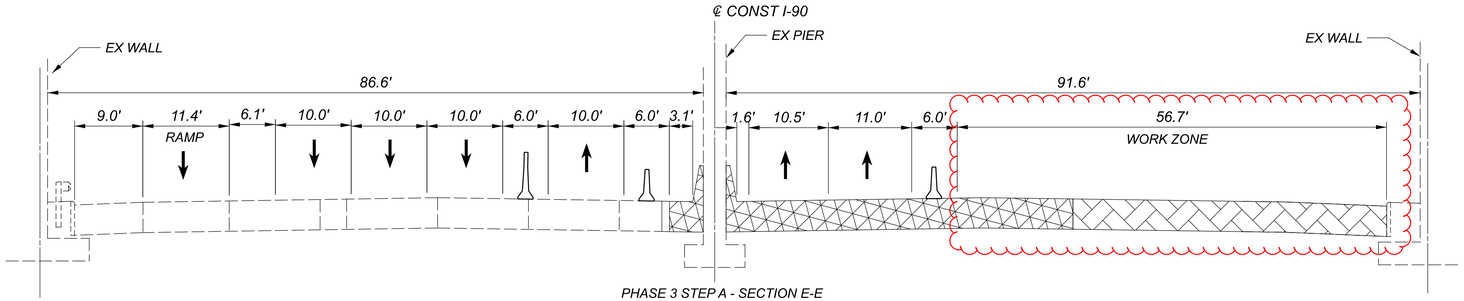
MAINTENANCE OF TRAFFIC PHASE 3A, 3C
STA 538+50 TO STA 551+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

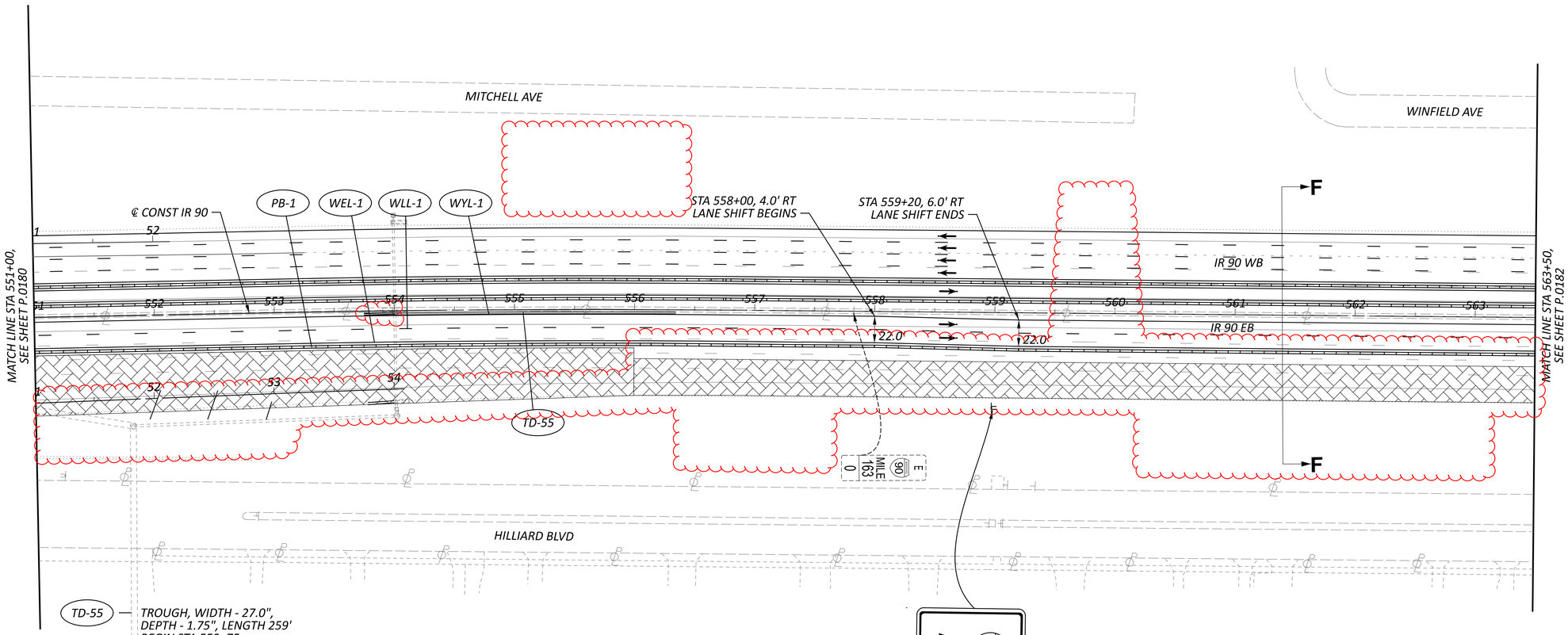
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0180 TOTAL P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 04 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:19:26 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn

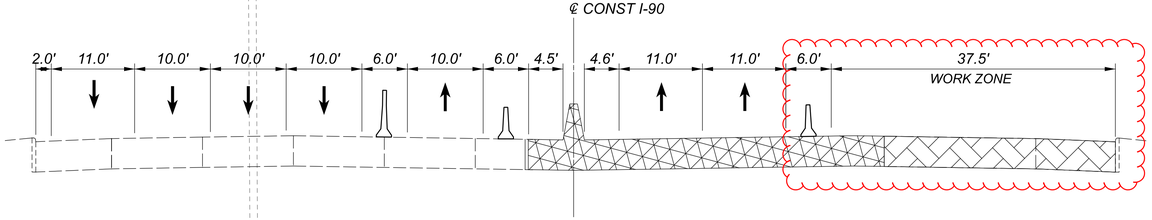


PHASE 3 STEP A - SECTION E-E
UNDER BR. NO CUY-90-0675
WOOSTER RD



TD-55 — TROUGH, WIDTH - 27.0",
DEPTH - 1.75", LENGTH 259'
BEGIN STA 553+75
END STA 556+34

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



PHASE 3 STEP A - SECTION F-F
STA 561+40

CONSTRUCTION UNDER THIS PHASE

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 E-E CAN BE FOUND ON PREVIOUS PAGE.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 3A, 3C
STA 551+00 TO STA 563+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
DMS

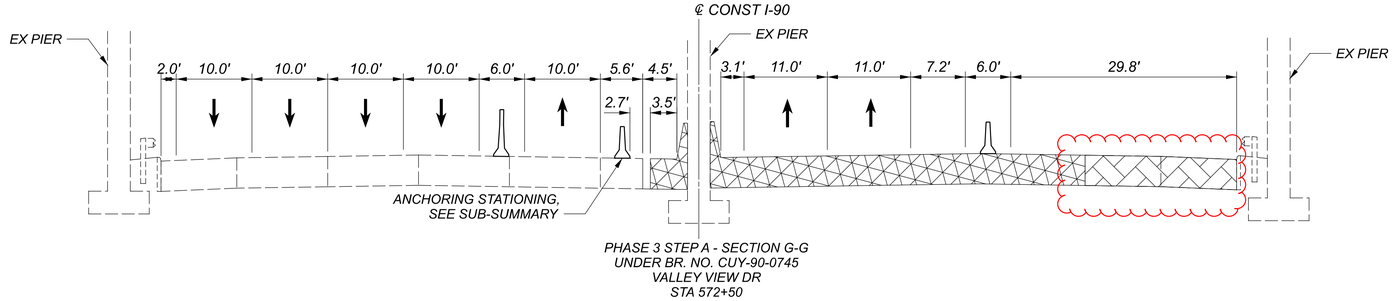
REVIEWER
VDK 08/09/23

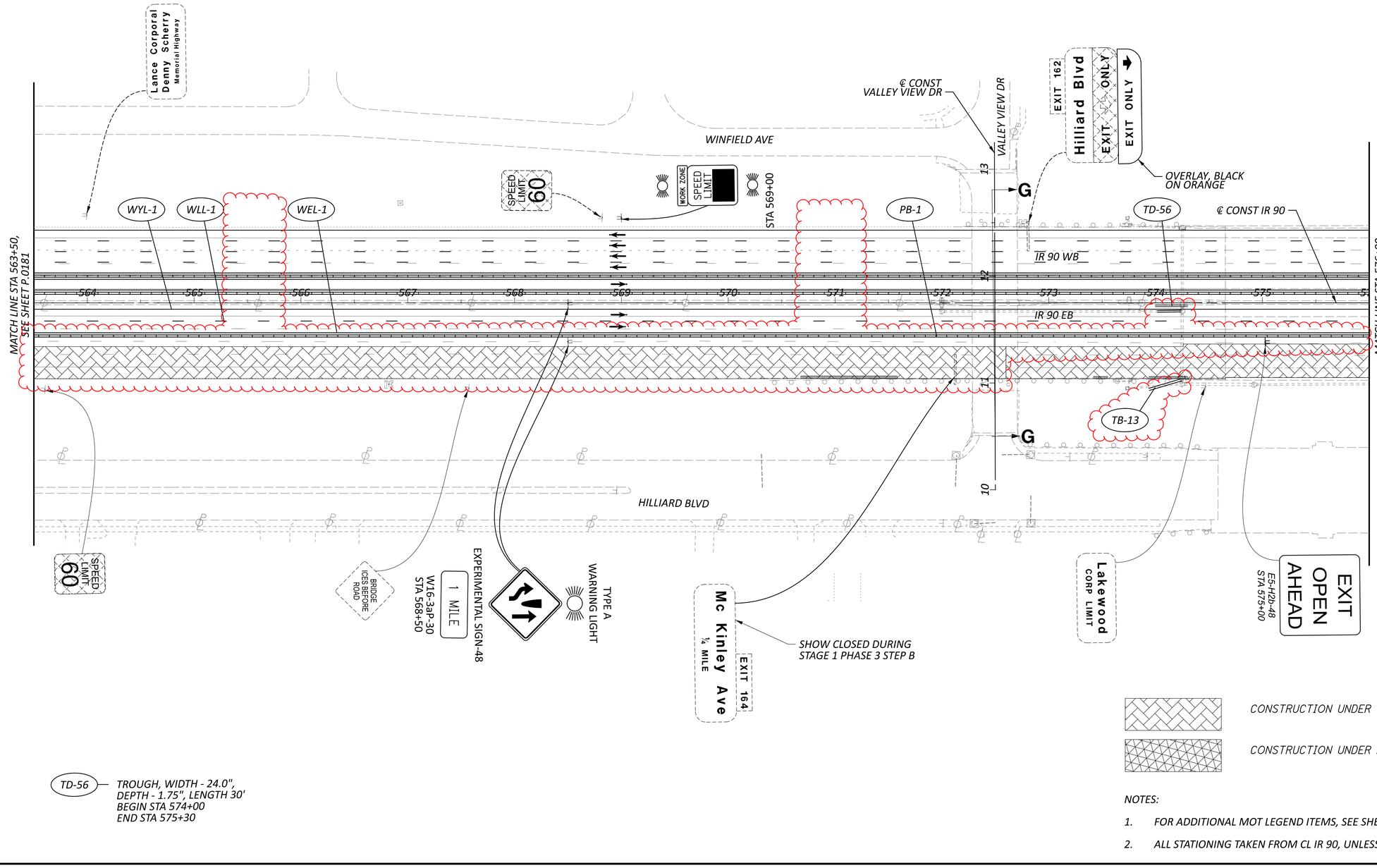
PROJECT ID
76779

SHEET P.0181 TOTAL P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 05 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:24:51 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn





TD-56 — TROUGH, WIDTH - 24.0", DEPTH - 1.75", LENGTH 30'
BEGIN STA 574+00
END STA 575+30

CONSTRUCTION UNDER THIS PHASE

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

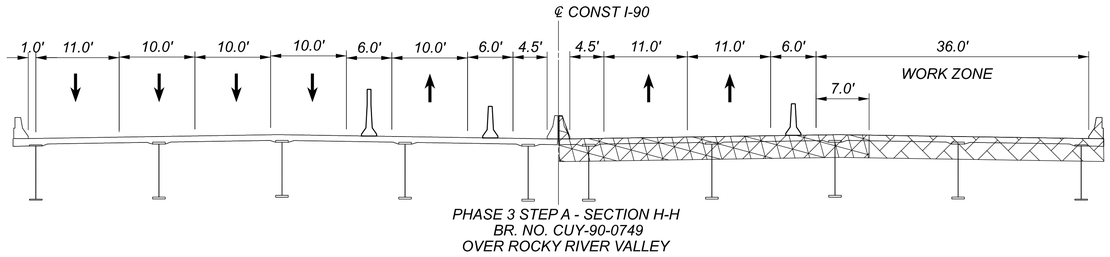
MAINTENANCE OF TRAFFIC PHASE 3A, 3C
STA 563+50 TO STA 576+00

DESIGN AGENCY
STRUCTUREPOINT LLC

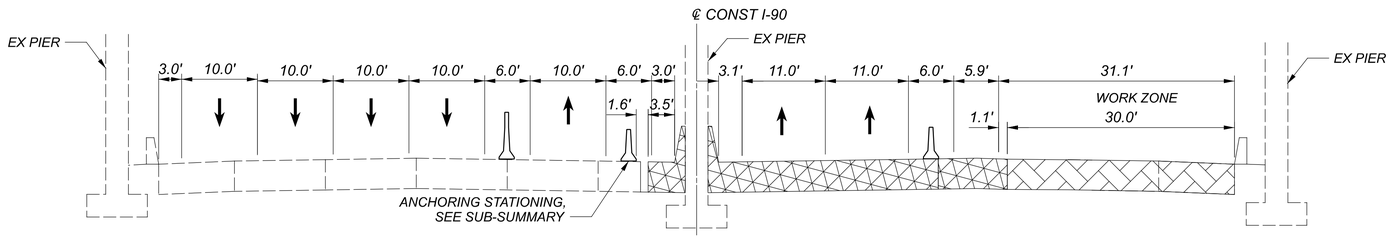
DESIGNER	DMS
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0182
TOTAL	P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 06 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:26:32 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\v400-Engineering\MOT\Sheets\76779_MP131.dgn



PHASE 3 STEP A - SECTION H-H
BR. NO. CUY-90-0749
OVER ROCKY RIVER VALLEY



PHASE 3 STEP A- SECTION I-I
UNDER BR. NO. CUY-90-0767
RIVERSIDE DR
STA 583+80

CONSTRUCTION UNDER THIS PHASE

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

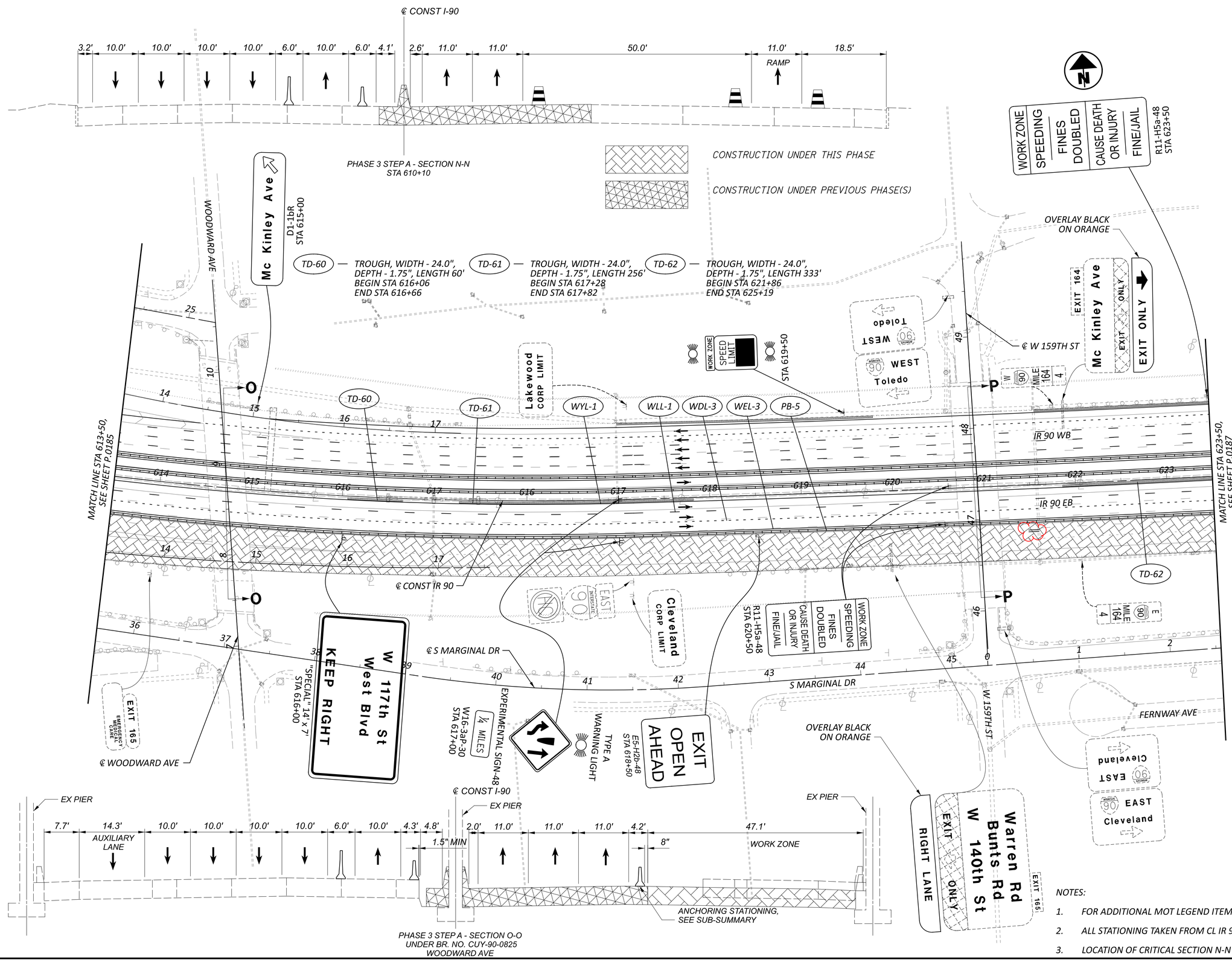
MAINTENANCE OF TRAFFIC PHASE 3A, 3B
STA 576+00 TO STA 588+50

CUY-90-6.69

MODEL: S1P3A - Plan 07 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:29:21 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0183 TOTAL P.1587



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 3A, 3B
STA 613+50 TO STA 623+50

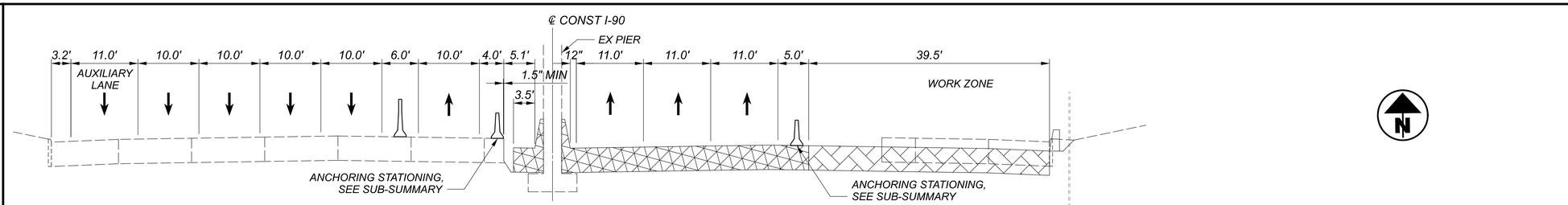
NOTES:

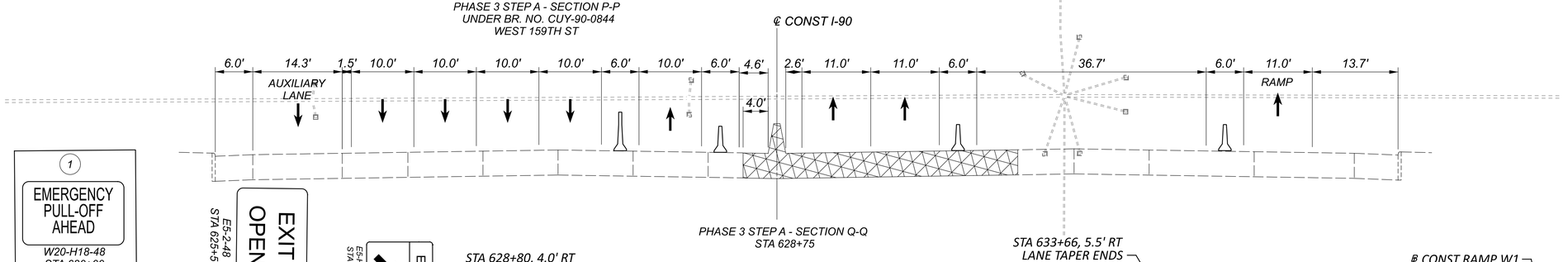
1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. LOCATION OF CRITICAL SECTION N-N CAN BE FOUND ON PREVIOUS PAGE.

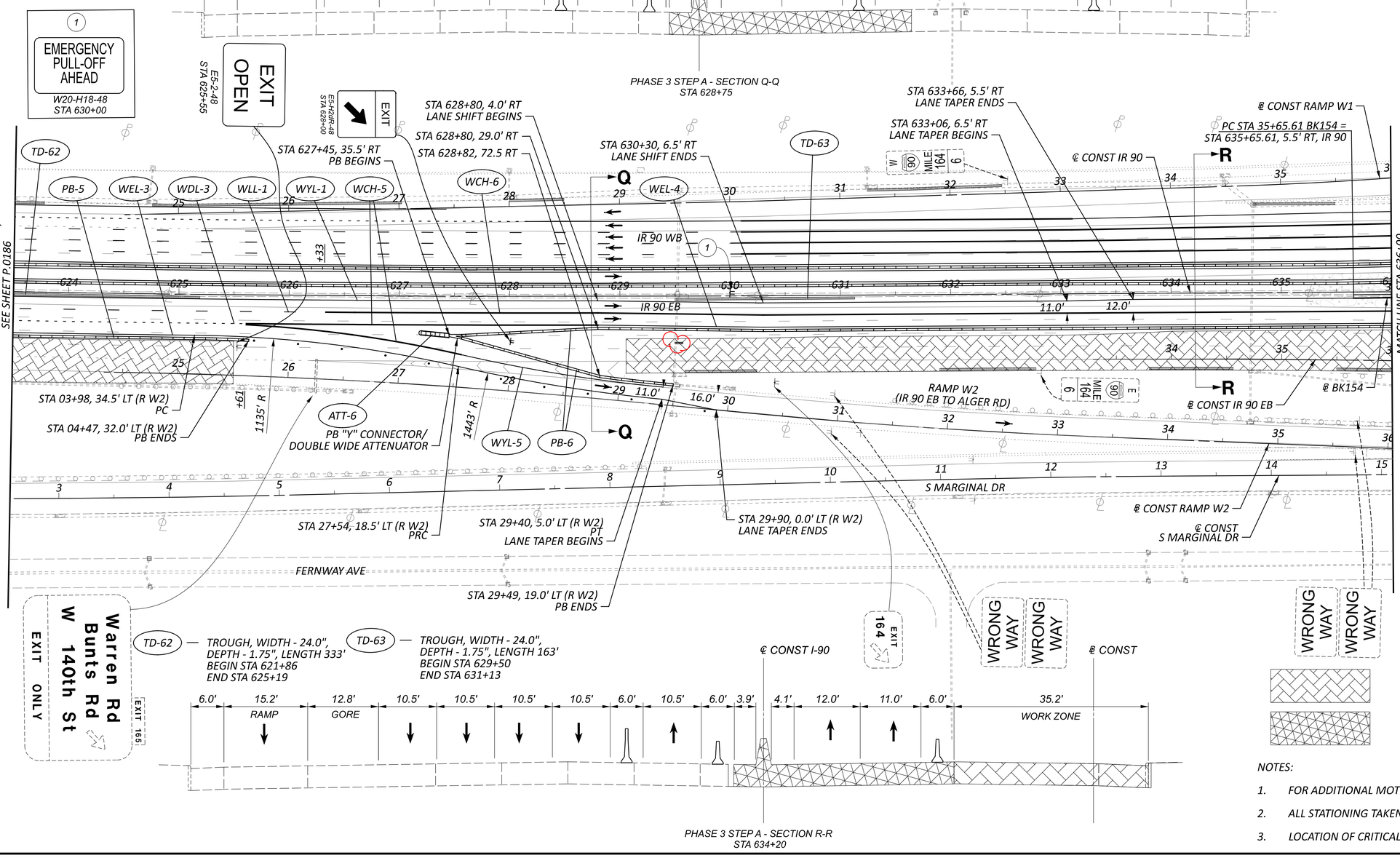
DESIGN AGENCY
STRUCTUREPOINT INC.
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0186 TOTAL P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 10 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:30:19 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn







TD-62 — TROUGH, WIDTH - 24.0", DEPTH - 1.75", LENGTH 333' BEGIN STA 621+86 END STA 625+19

TD-63 — TROUGH, WIDTH - 24.0", DEPTH - 1.75", LENGTH 163' BEGIN STA 629+50 END STA 631+13

PHASE 3 STEP A - SECTION R-R
STA 634+20

CONSTRUCTION UNDER THIS PHASE

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 P-P CAN BE FOUND ON PREVIOUS PAGE.*

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 3A, 3B
STA 623+50 TO STA 636+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

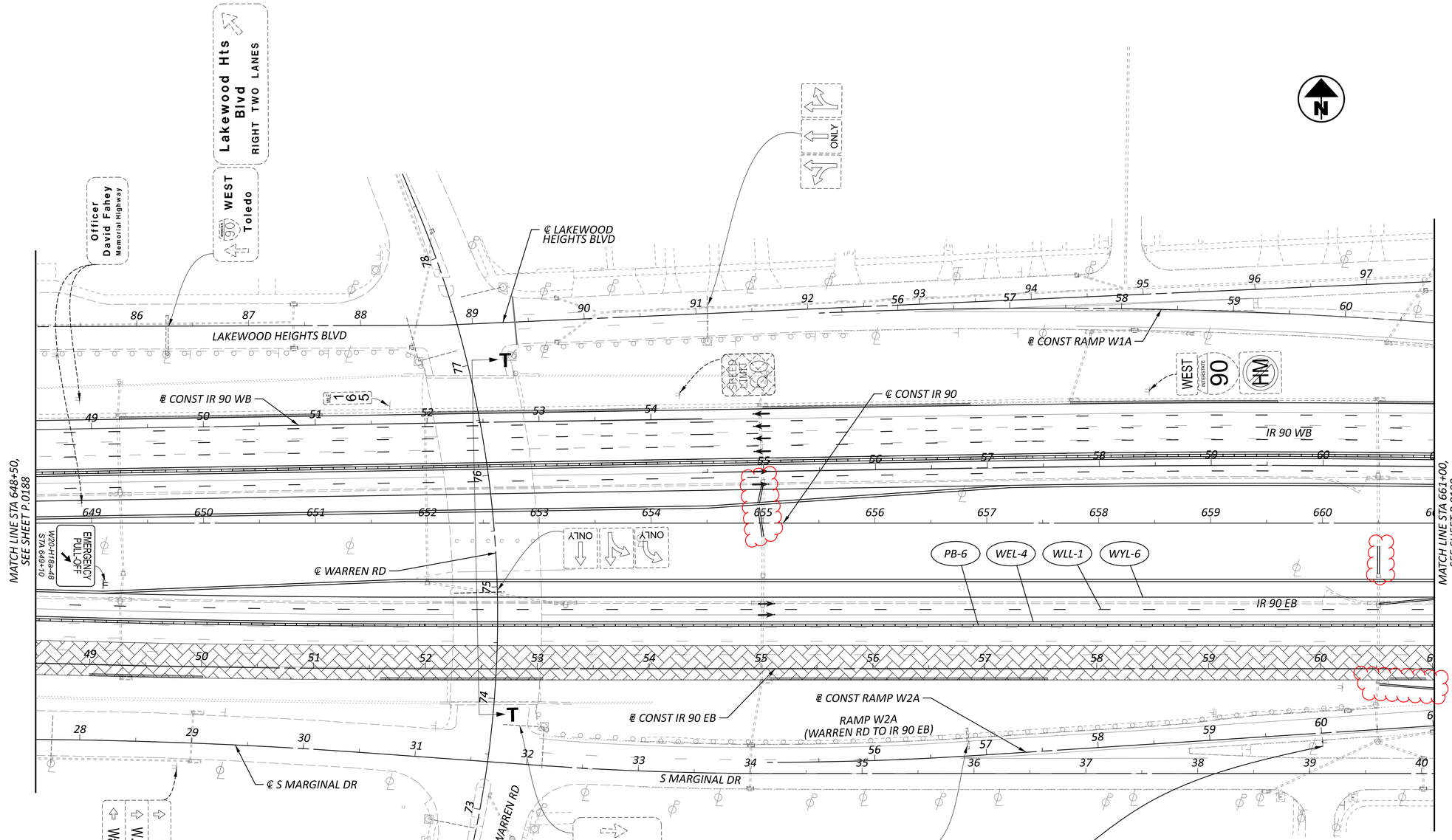
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0187 TOTAL P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:31:47 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn

MAINTENANCE OF TRAFFIC PHASE 3A, 3B
STA 648+50 TO STA 661+00

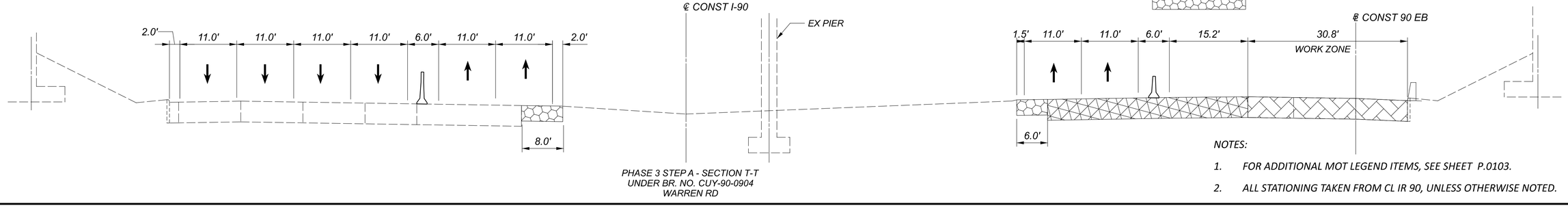
HORIZONTAL SCALE IN FEET
0 25 50 100



CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

TEMPORARY CONSTRUCTION UNDER PREVIOUS PHASE(S)



PHASE 3 STEP A - SECTION T-T
UNDER BR. NO. CUY-90-0904
WARREN RD

NOTES:

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

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
DMS

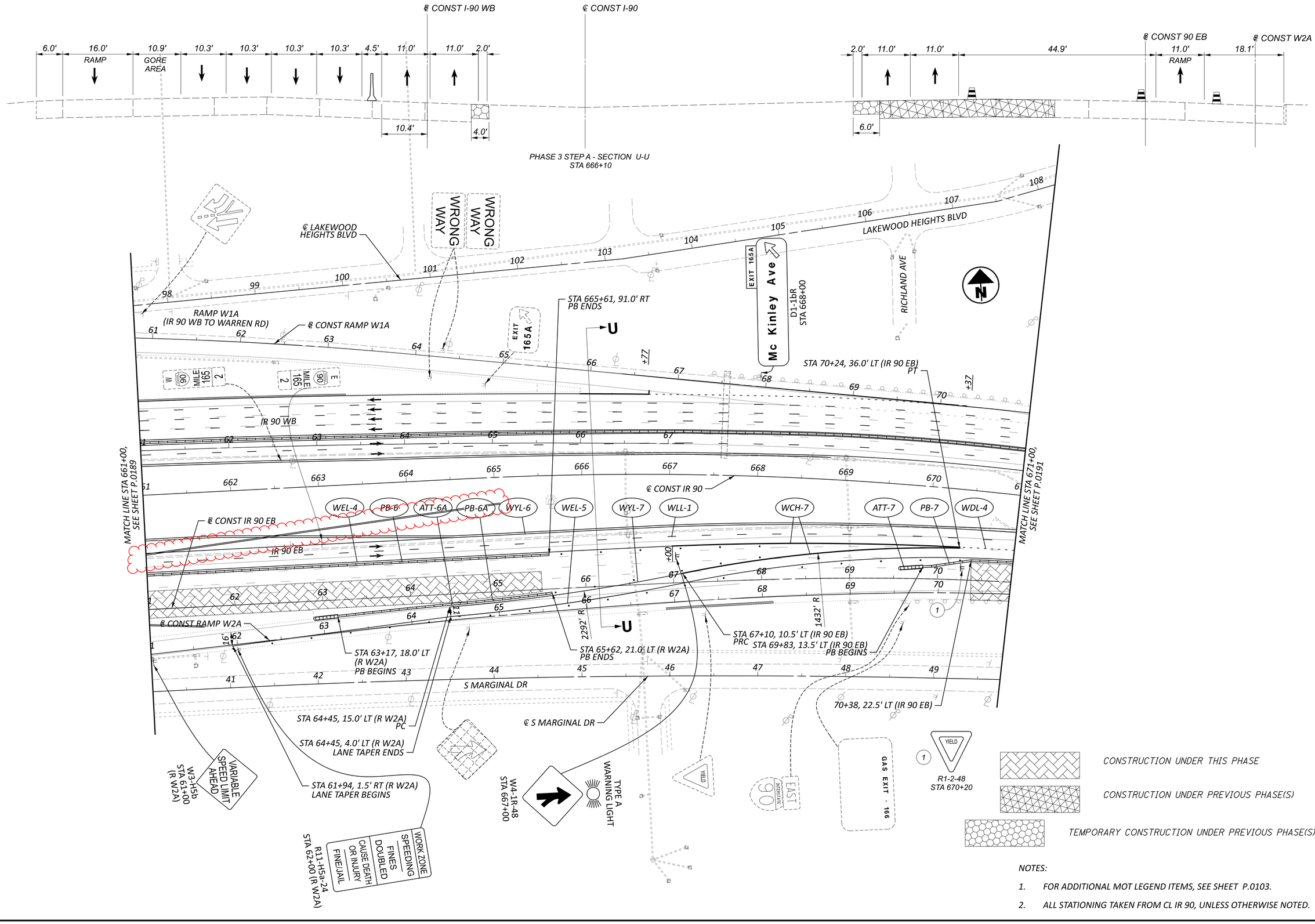
REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0189 | TOTAL P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:34:16 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn



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 3A, 3B
STA 661+00 TO STA 671+00

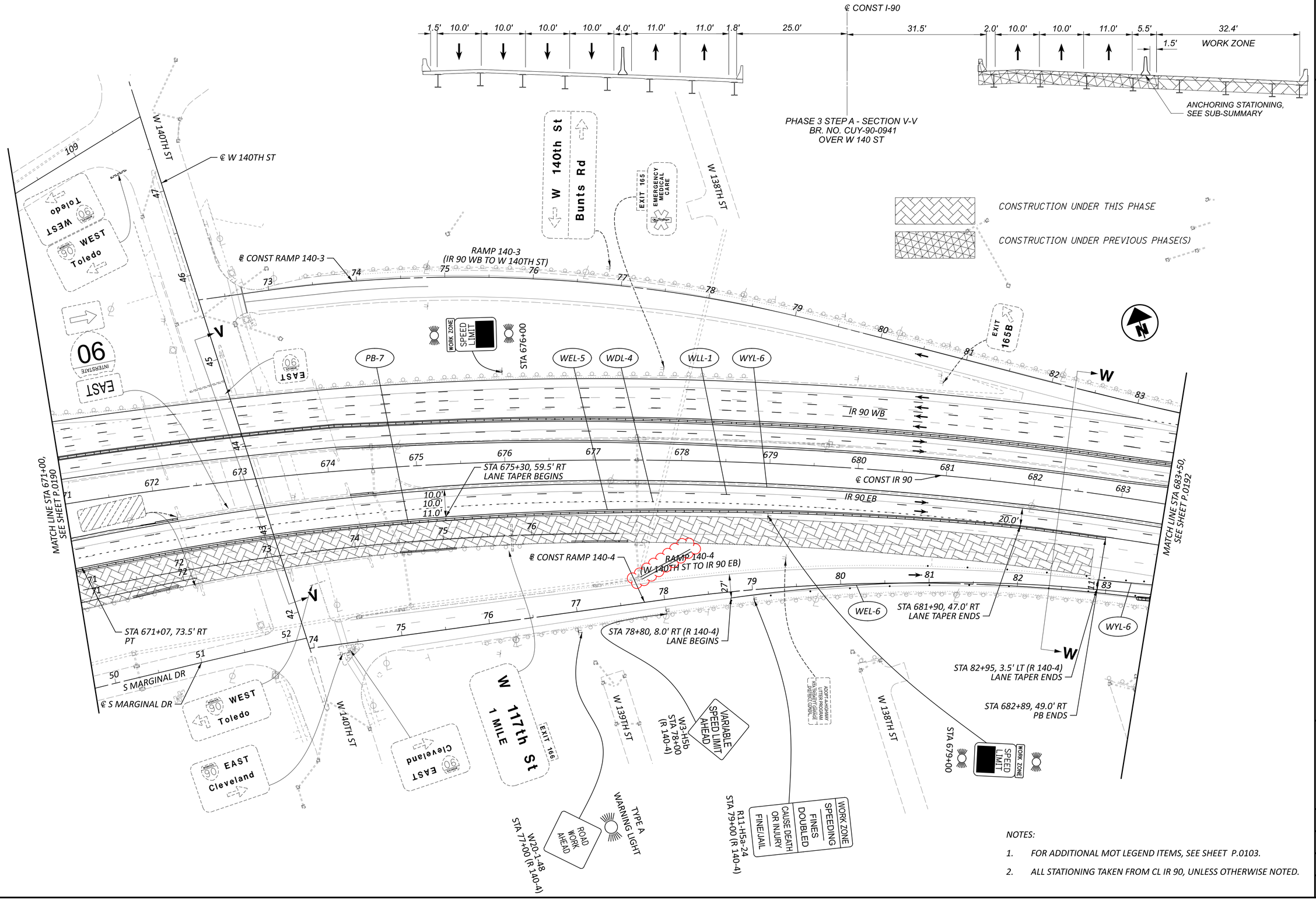
CUY-90-6.69

MODEL: S1P3A - Plan 14 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:35:00 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn

DESIGN AGENCY	STRUCTUREPOINT
DESIGNER	DMS
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0190
TOTAL	P.1587

MAINTENANCE OF TRAFFIC PHASE 3A, 3C
STA 671+00 TO STA 683+50

HORIZONTAL SCALE IN FEET
0 25 50 100



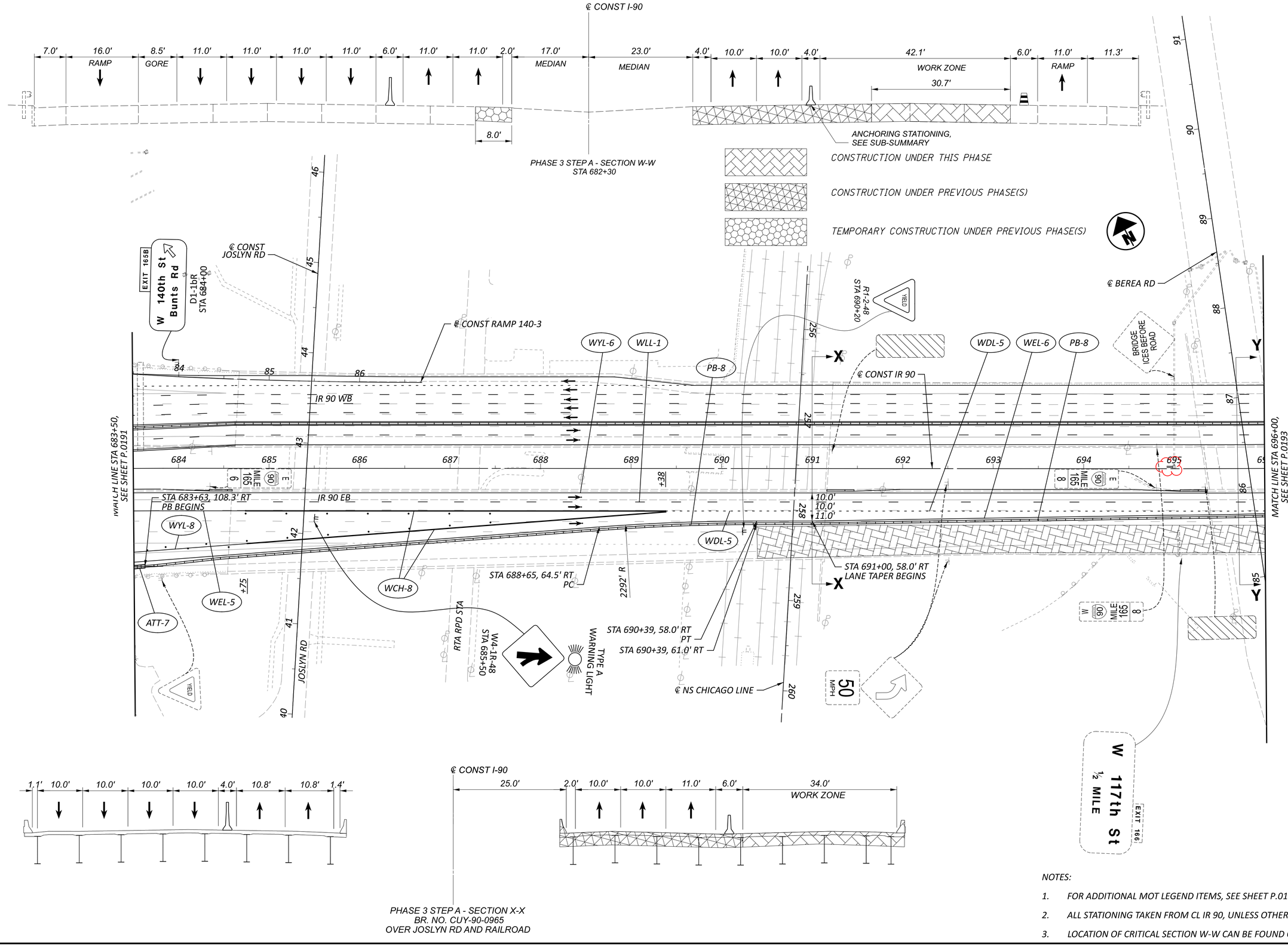
NOTES:

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

DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER: DMS
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0191 TOTAL: P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:35:44 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn



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

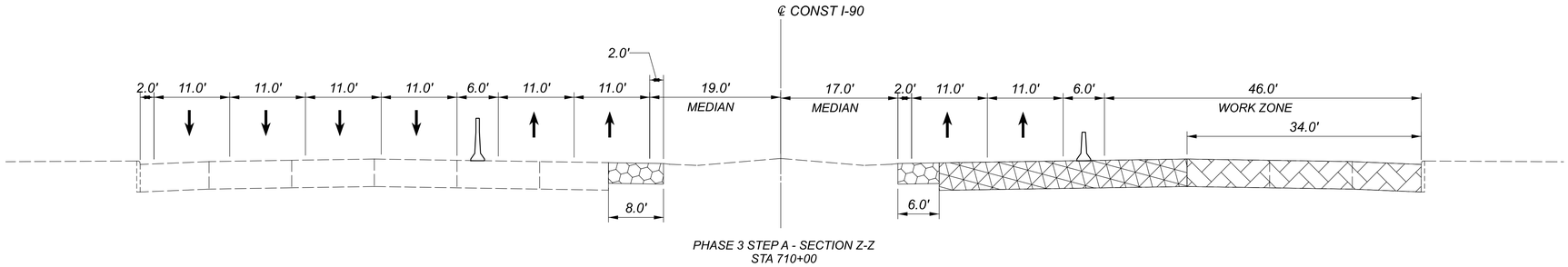
MAINTENANCE OF TRAFFIC PHASE 3A, 3C
STA 683+50 TO STA 696+00

DESIGN AGENCY
STRUCTUREPOINT LLC

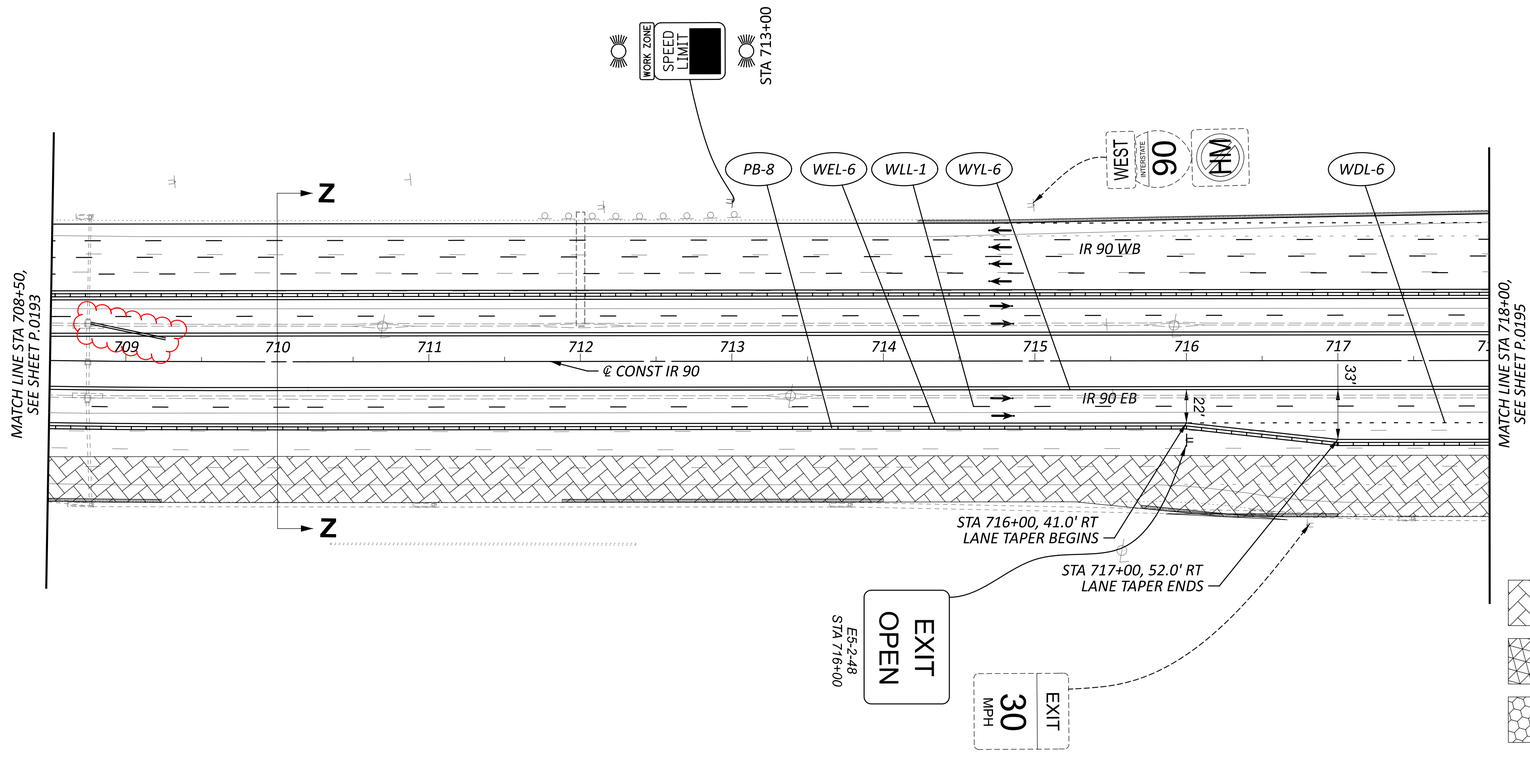
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0192 TOTAL P.1587

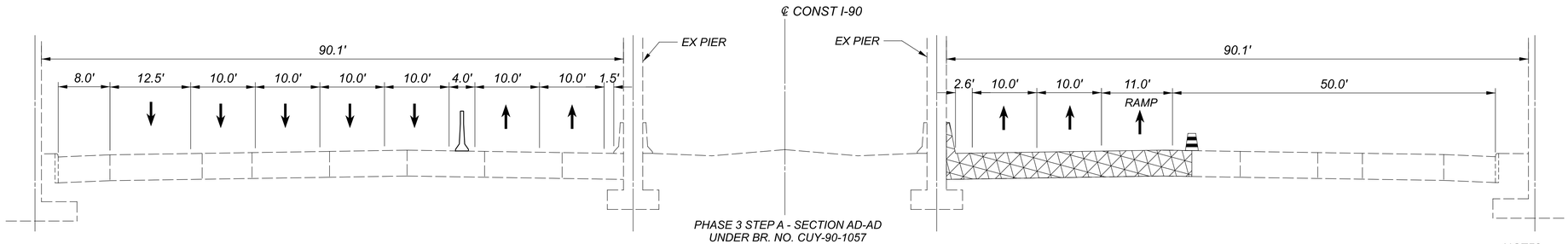
CUY-90-6.69

MODEL: S1P3A - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:36:52 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn



PHASE 3 STEP A - SECTION Z-Z
STA 710+00





PHASE 3 STEP A - SECTION AD-AD
UNDER BR. NO. CUY-90-1057
WEST 117TH ST

CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

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 3A, 3B, 3C
STA 708+50 TO STA 718+00

CUY-90-6.69

MODEL: S1P3A - Plan 18 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:38:09 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn

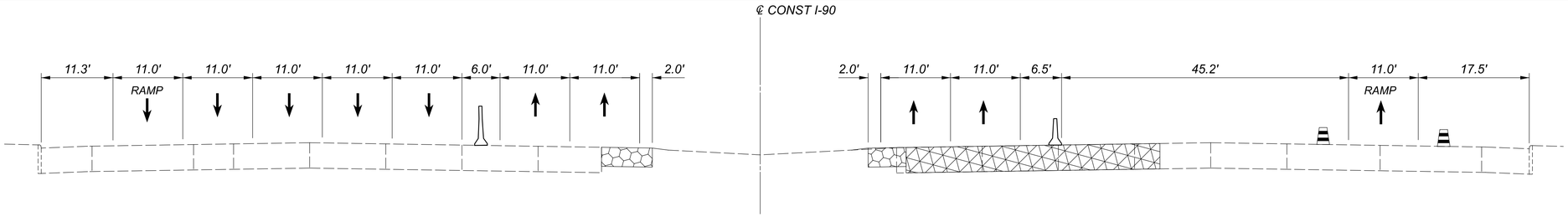
DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
DMS

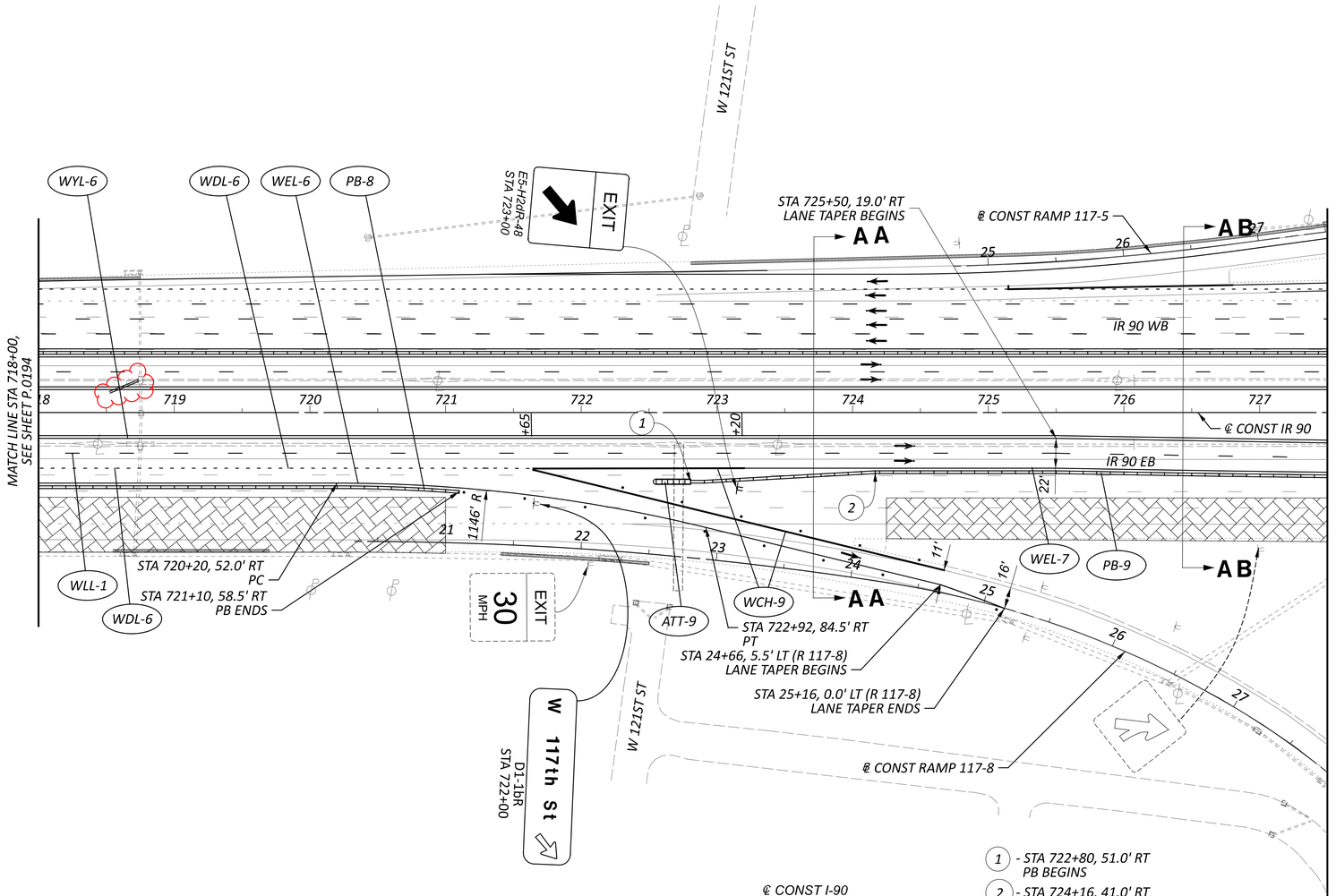
REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0194 | TOTAL P.1587



PHASE 3 STEP A - SECTION AA-AA
STA 723+70



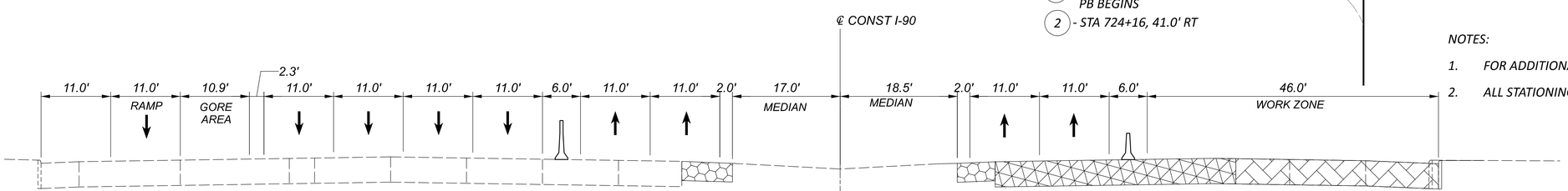
CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

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 3 STEP A - SECTION AB-AB
STA 726+40

HORIZONTAL SCALE IN FEET
0 25 50 100

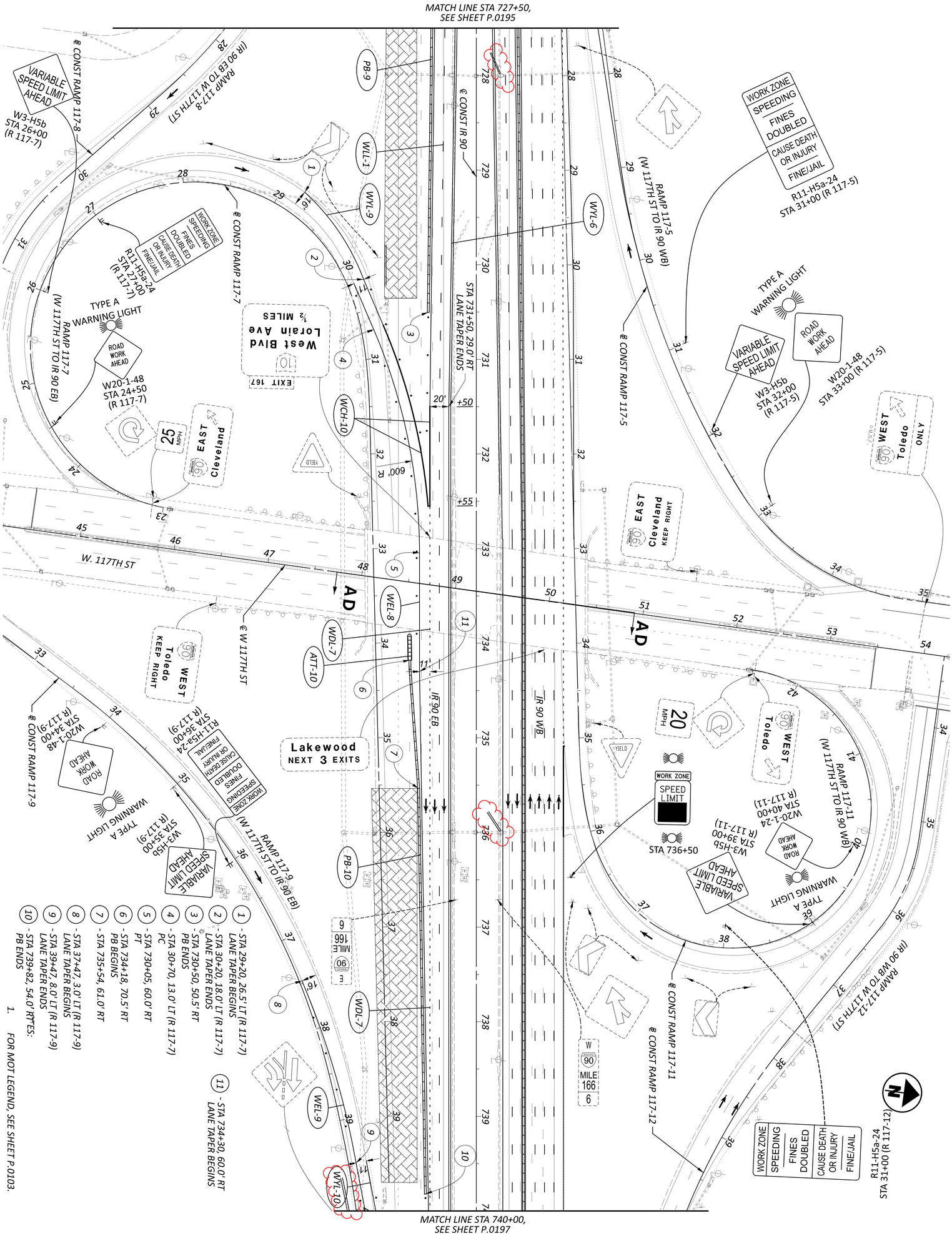
MAINTENANCE OF TRAFFIC PHASE 3A
STA 718+00 TO STA 727+50

DESIGN AGENCY
WSDOT STRUCTUREPOINT INC.

DESIGNER	DMS
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0195
TOTAL	P.1587

CUY-90-6.69

MODEL: S1P3A - Plan 19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:39:29 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP131.dgn



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

SHEET P.0196	TOTAL P.1587	PROJECT ID 76779	REVIEWER VDK 08/09/23	DESIGNER DMS

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 3A
STA 727+50 TO STA 740+00

HORIZONTAL SCALE IN FEET
0 25 50 100

1 — STA 41+69, 27.0' LT (R 117-9)
PC

2 — STA 43+16, 33.5' LT (R 117-9)
PB BEGINS

3 — STA 44+25, 42.5' LT (R 117-9)

4 — STA 744+37, 60.0' RT
PT

MAINENANCE OF TRAFFIC PHASE 3A
STA 740+00 TO STA 752+50

DESIGN AGENCY

DESIGNER
DMS

REVIEWER
VDK 08/09/23

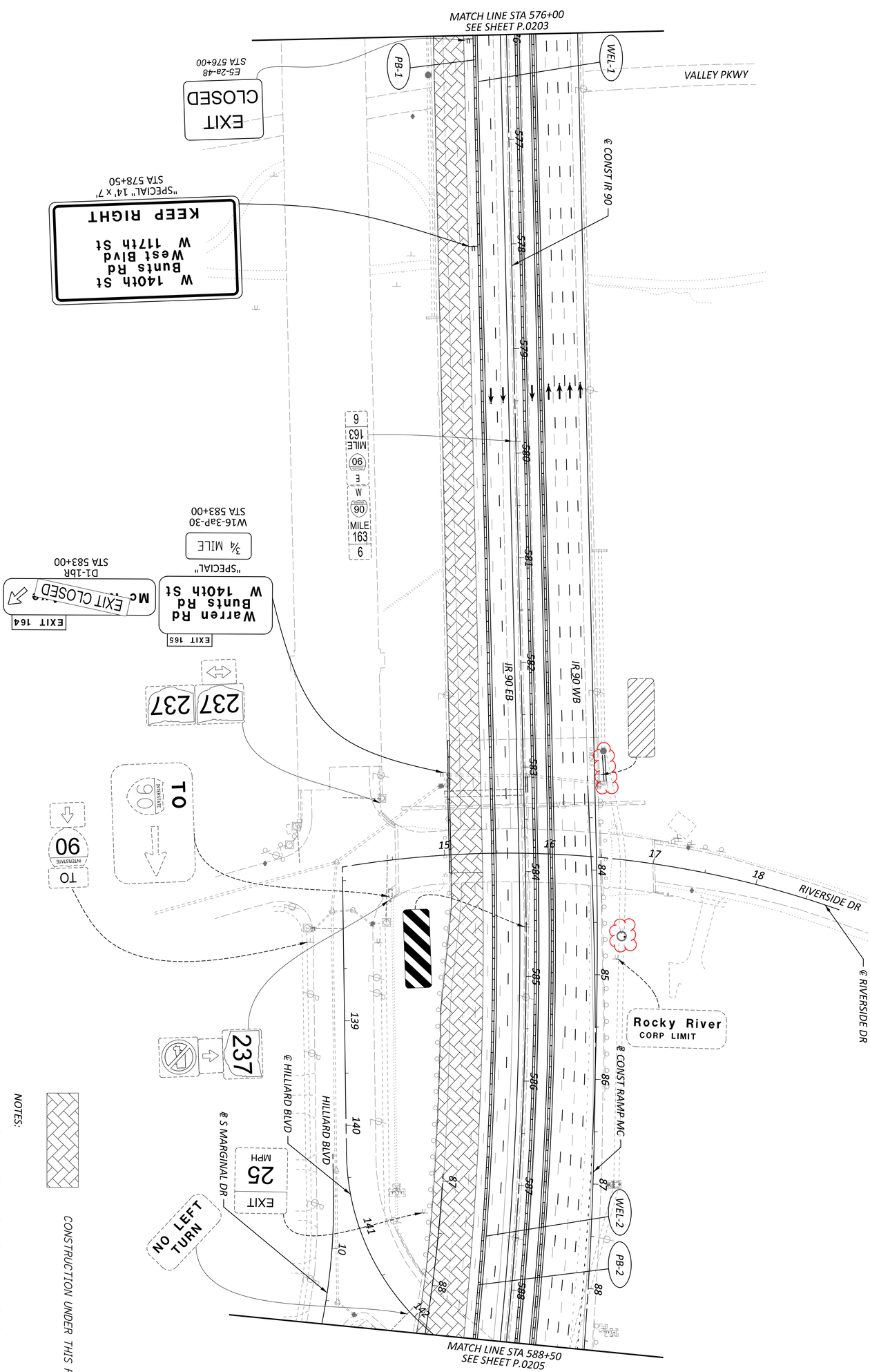
PROJECT ID
76779

SHEET P.0197 | TOTAL P.1587

CUY-90-6.69

MODEL: SIP3A - Plan 2([Sheet]) PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 8:41:39 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP3i.dgn

MODEL: MOT Plan Sheets - Plan 07 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 9:21:19 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP132.dgn



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.

SHEET	TOTAL
P.0204	P.1587

PROJECT ID: 76779

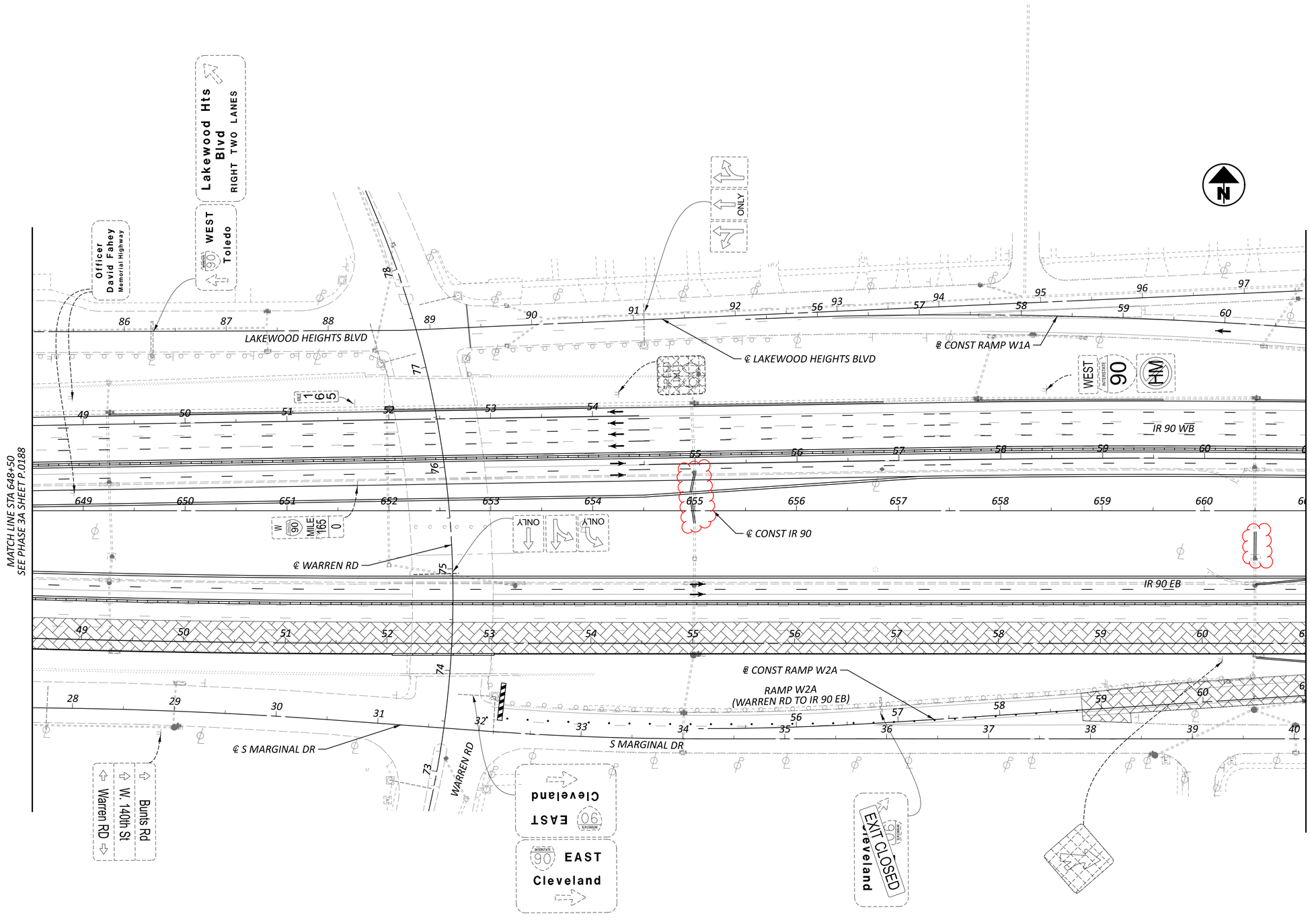
REVIEWER: VDK 08/09/23

DESIGNER: DMS

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 3B
STA 576+00 TO STA 588+50

HORIZONTAL SCALE IN FEET
0 50
25 100



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.

HORIZONTAL SCALE IN FEET
0 25 50 100

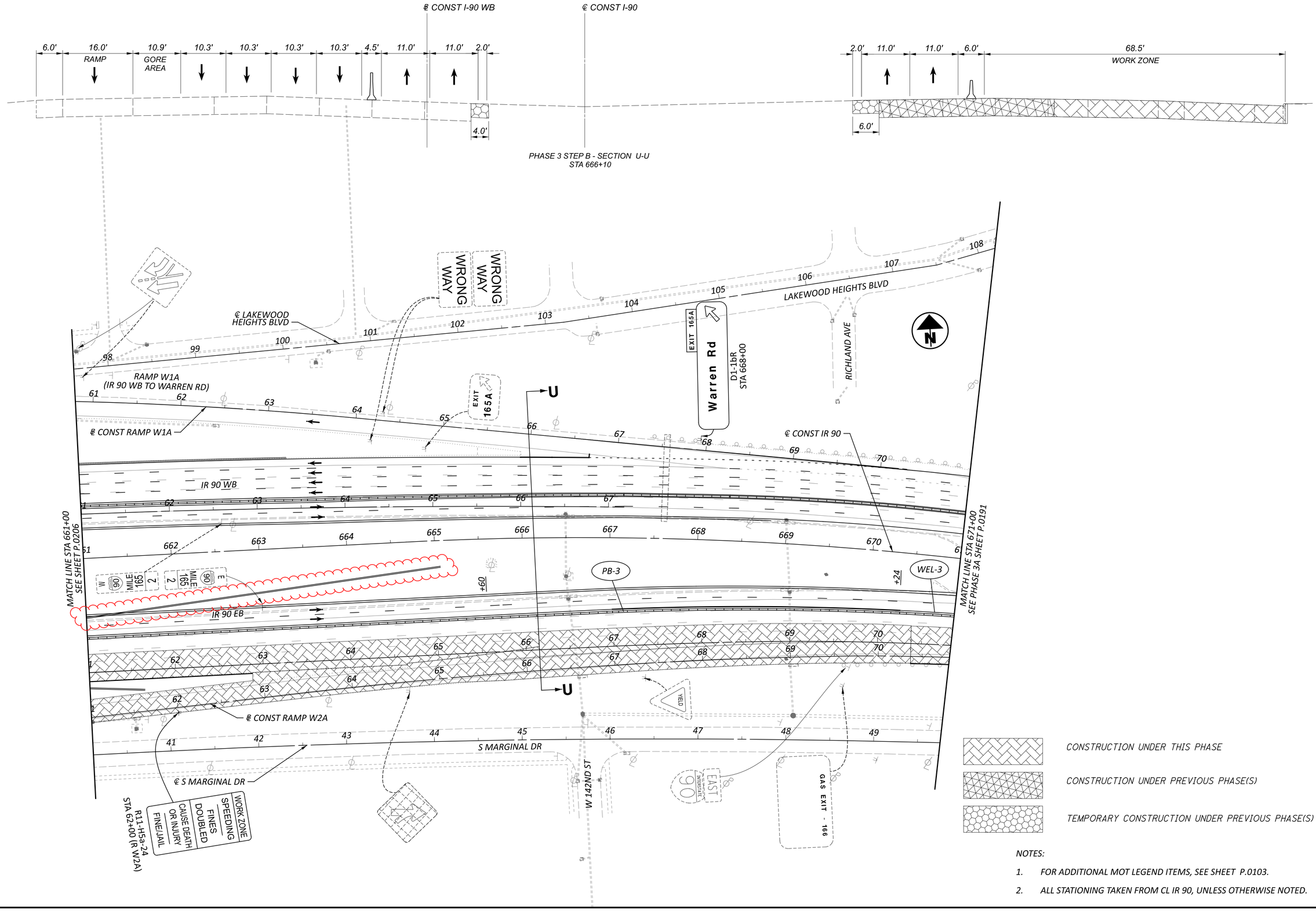
MAINTENANCE OF TRAFFIC PHASE 3B
STA 648+50 TO STA 661+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER: DMS
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0206 TOTAL: P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 9:24:37 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP132.dgn



NOTES:

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

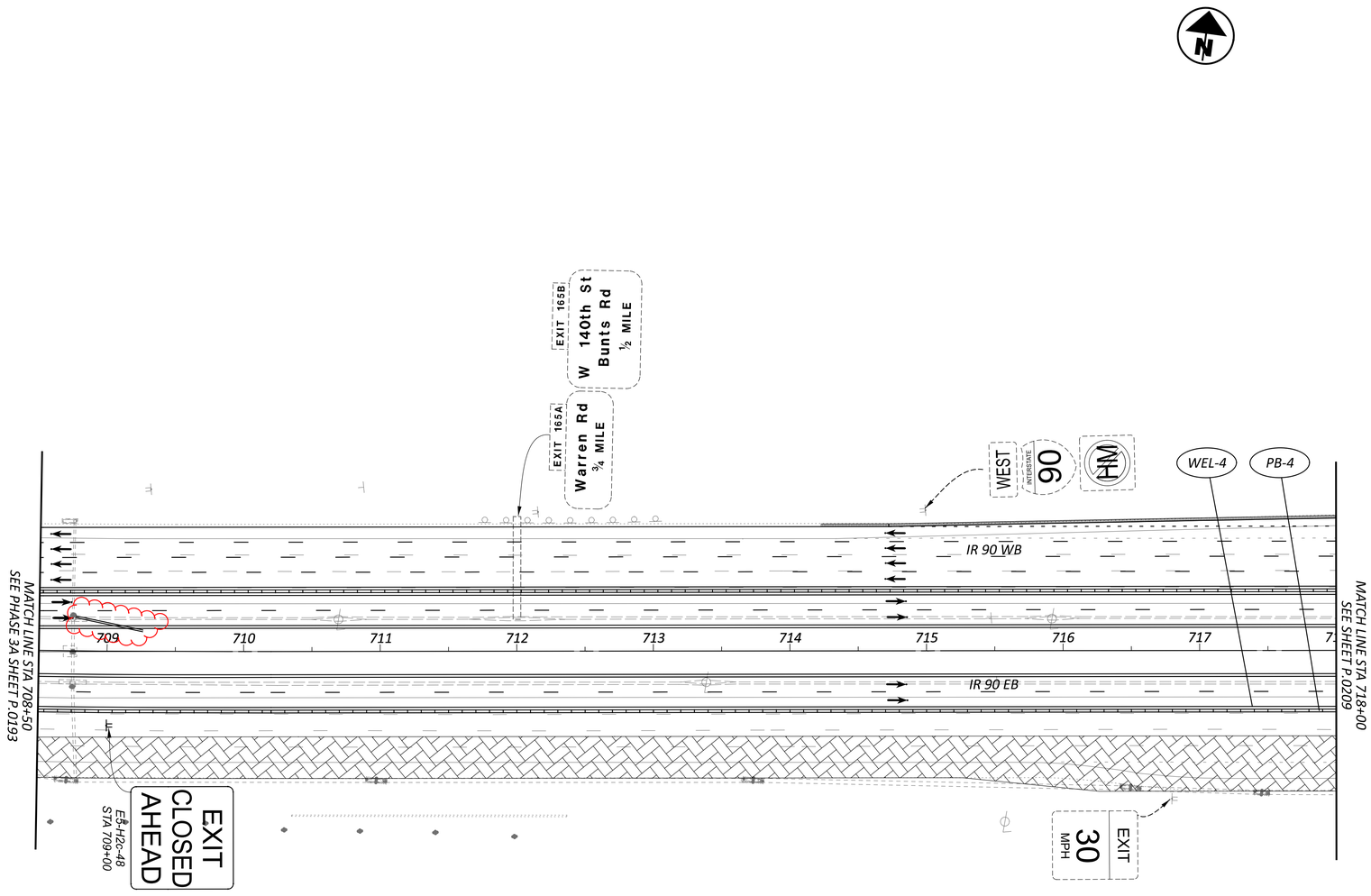
HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 3B
STA 661+00 TO STA 671+00

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 14 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 9:26:09 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP132.dgn

DESIGN AGENCY: STRUCTUREPOINT LLC
DESIGNER: DMS
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0207 TOTAL: P.1587



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

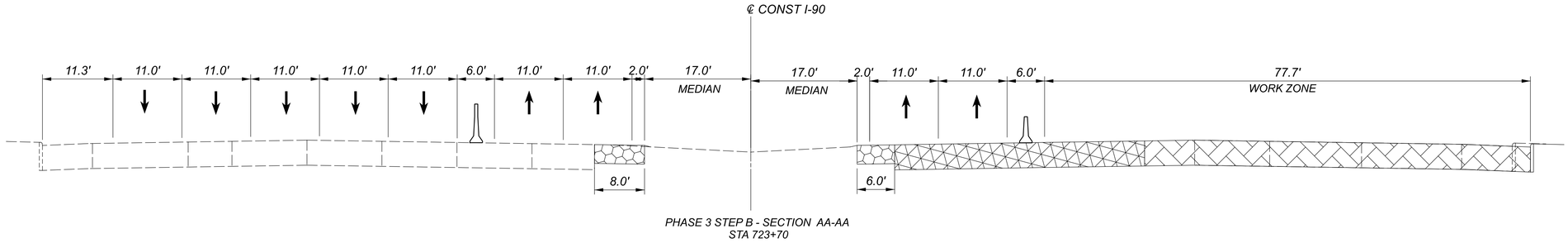
MAINTENANCE OF TRAFFIC PHASE 3B
STA 708+50 TO STA 718+00

DESIGN AGENCY

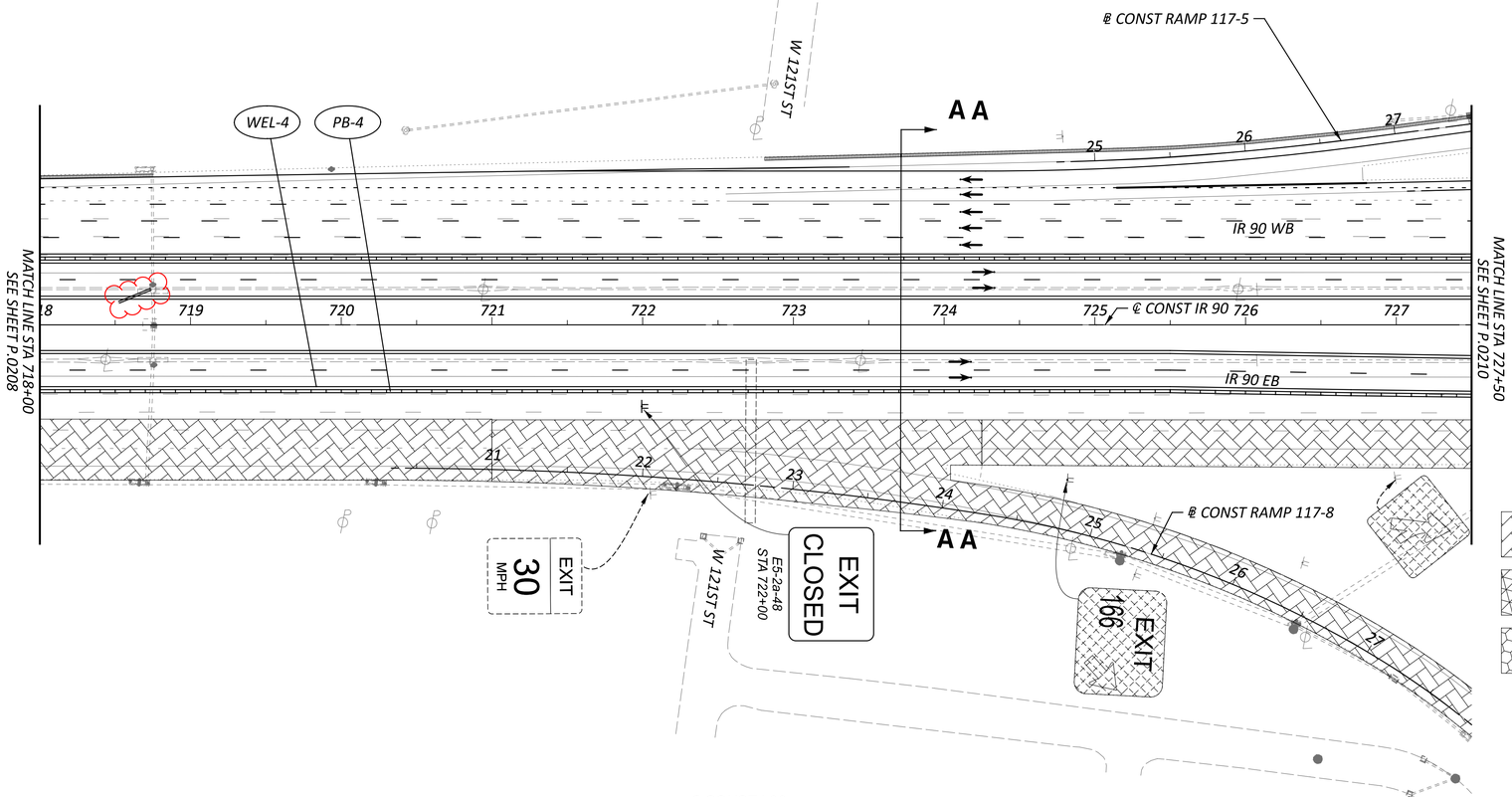
DESIGNER: DMS
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0208 TOTAL: P.1587

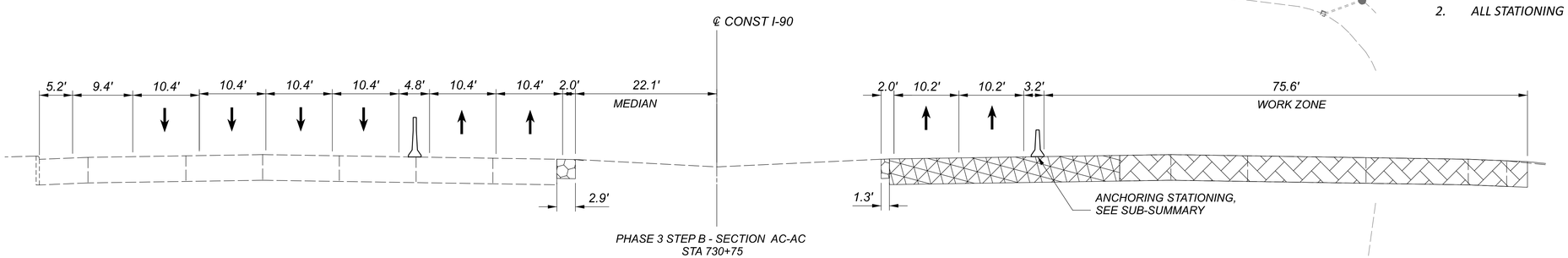
CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 18 [Sheet] PAPERSIZE: 34x22 (in) DATE: 4/20/2025 TIME: 9:26:59 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP132.dgn



PHASE 3 STEP B - SECTION AA-AA
STA 723+70





PHASE 3 STEP B - SECTION AC-AC
STA 730+75

CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

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 3B
STA 718+00 TO STA 727+5

DESIGN AGENCY

DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0209 TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 19 (Sheet) PAPERSIZE: 34x22 (in) DATE: 4/20/2025 TIME: 9:28:12 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MPI32.dgn

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.

RAMP 117-5 (W 117TH ST TO IR 90 WB)

℄ CONST RAMP 117-5

RAMP 117-11 (W 117TH ST TO IR 90 WB)

RAMP 117-12 (IR 90 WB TO W 117TH ST)

℄ CONST RAMP 117-11

℄ CONST RAMP 117-12

RAMP 117-7 (W 117TH ST TO IR 90 EB)

℄ CONST RAMP 117-7

RAMP 117-8 (IR 90 EB TO W 117TH ST)

℄ CONST RAMP 117-8

RAMP 117-9 (IR 980 EB TO W 117TH ST)

℄ CONST RAMP 117-9

℄ CONST W 117TH ST

W. 117TH ST

℄ CONST IR 90

IR 90 WB

IR 90 EB

AC

MATCH LINE STA 727+50 SEE SHEET P.0209

MATCH LINE STA 740+00 SEE PHASE 3A SHEET P.0197

WEST Toledo ONLY

EAST Cleveland EXIT CLOSED KEEP RIGHT

WEST Toledo KEEP RIGHT

Lakewood NEXT 3 EXITS

West Blvd Lorain Ave ½ MILES EXIT 167

WORK ZONE SPEEDING FINES DOUBLED CAUSE DEATH OR INJURY FINE/JAIL

R11-H5a-24 STA 31+00 (R 117-5)

R11-H5a-24 STA 38+00 (R 117-11)

R11-H5a-24 STA 36+00 (R 117-9)

W20-1-24 STA 39+00 (R 117-5)

W3-H5b-48 STA 32+00

W3-H5b-48 STA 39+00

W20-1-48 STA 40+00

W3-H5b-48 STA 35+00

W20-1-48 STA 34+00 (R 117-9)

ROAD WORK AHEAD

VARIABLE SPEED LIMIT AHEAD

TYPE A WARNING LIGHT

SPEED LIMIT WORK ZONE

20 MPH

25 MPH

YIELD

STA 736+50

WEL-5

PB-5

MILE 166.99

HORIZONTAL SCALE IN FEET

0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 3B
STA 727+50 TO STA 740+00

DESIGN AGENCY

DESIGNER DMS

REVIEWER VDK 08/09/23

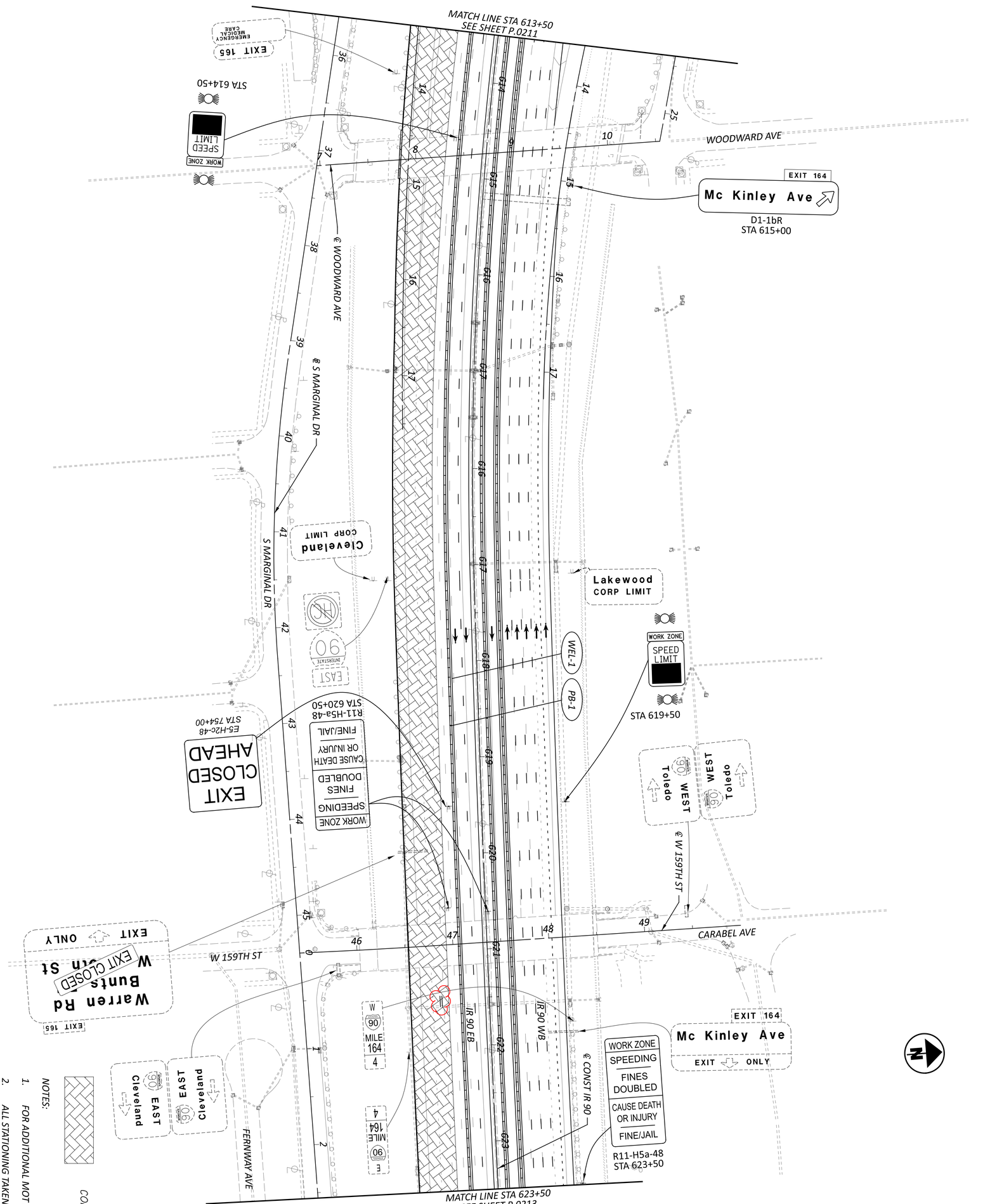
PROJECT ID 76779

SHEET P.0210 TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 9:29:11 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP132.dgn

MODEL: MOT Plan Sheets - Plan 10 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 9:52:07 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP133.dgn



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.

SHEET	TOTAL
P.0212	P.1587

PROJECT ID	REVIEWER	DESIGNER	DESIGN AGENCY
76779	VDK 08/09/23	DMS	AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 3C
STA 613+50 TO STA 623+50

HORIZONTAL SCALE IN FEET
0 50
25 100

CONSTRUCTION UNDER THIS PHASE

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

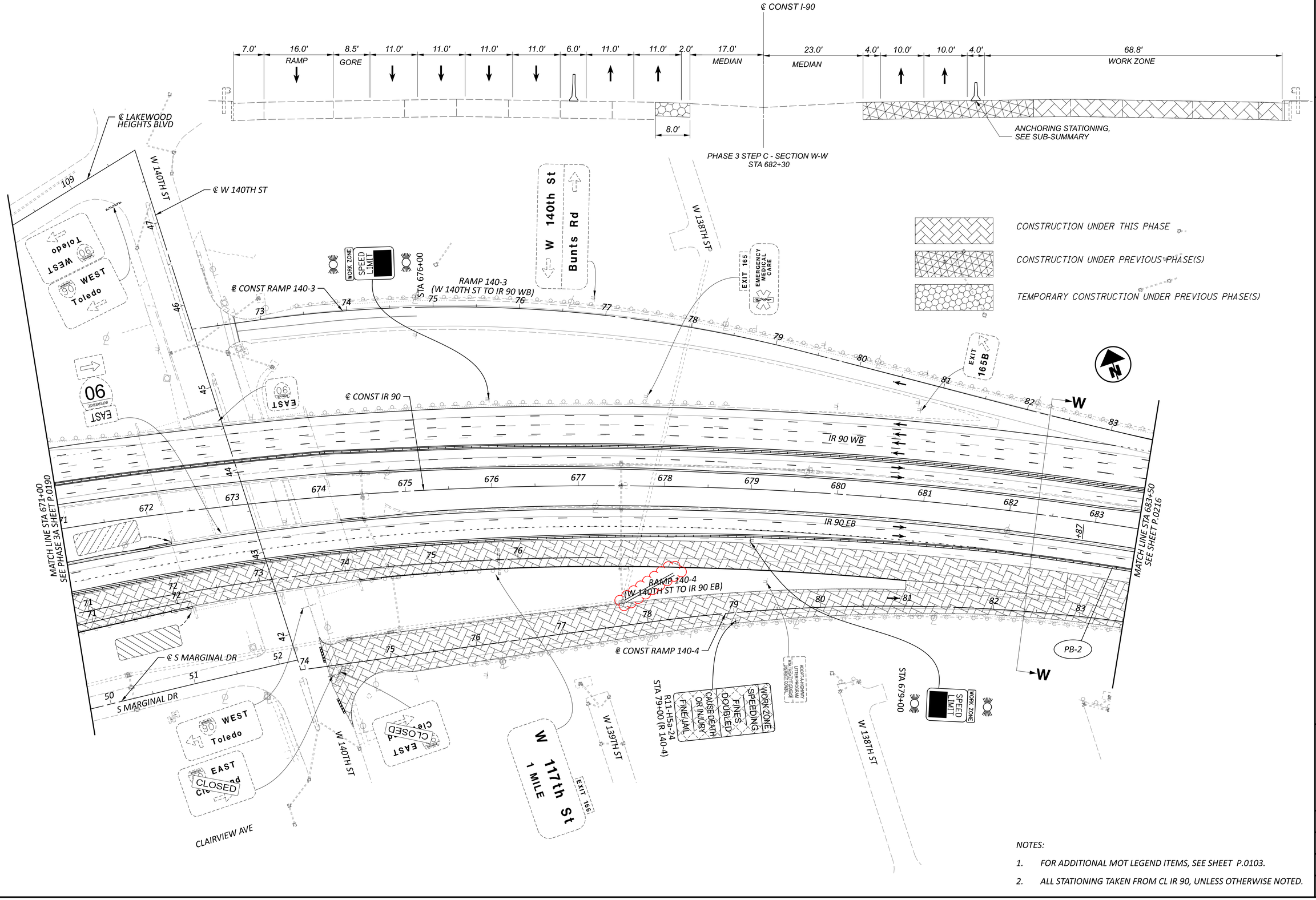
MAINTENANCE OF TRAFFIC PHASE 3C
STA 623+50 TO STA 636+00

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 11 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 9:55:13 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP133.dgn

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0213 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.

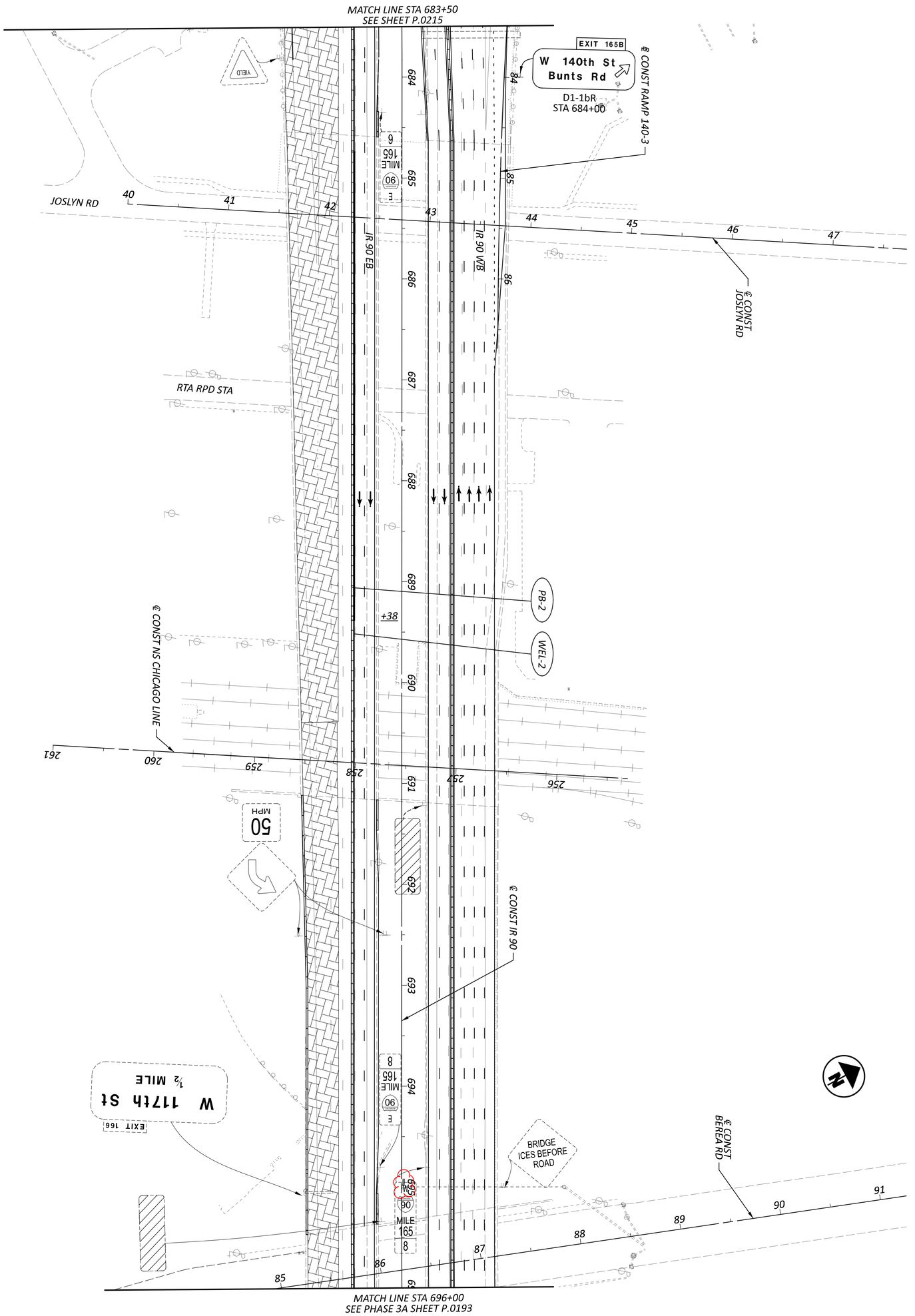
MAINTENANCE OF TRAFFIC PHASE 3C
STA 671+00 TO STA 683+50

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 15 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 10:00:35 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP133.dgn

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER: DMS
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0215 TOTAL: P.1587

MODEL: MOT Plan Sheets - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 10:01:42 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP133.dgn



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.

SHEET	TOTAL
P.0216	P.1587

PROJECT ID: 76779

REVIEWER: VDK 08/09/23

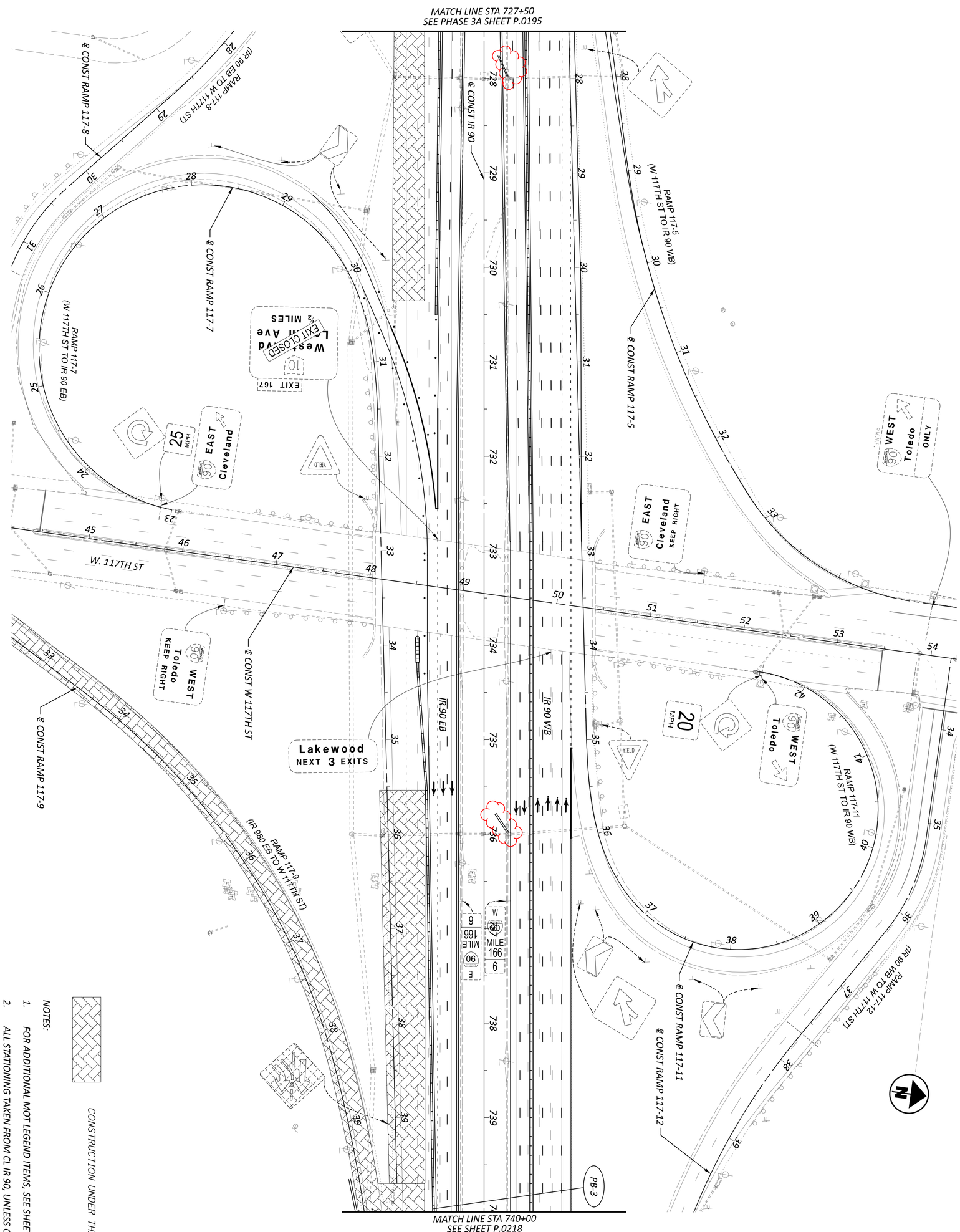
DESIGNER: DMS

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 3C
STA 683+50 TO STA 696+00

HORIZONTAL SCALE IN FEET
0 50
25 100

MODEL: MOT Plan Sheets - Plan 20 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/20/2025 TIME: 10:03:10 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MPI33.dgn



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.

SHEET	TOTAL
P.0217	P.1587

PROJECT ID 76779

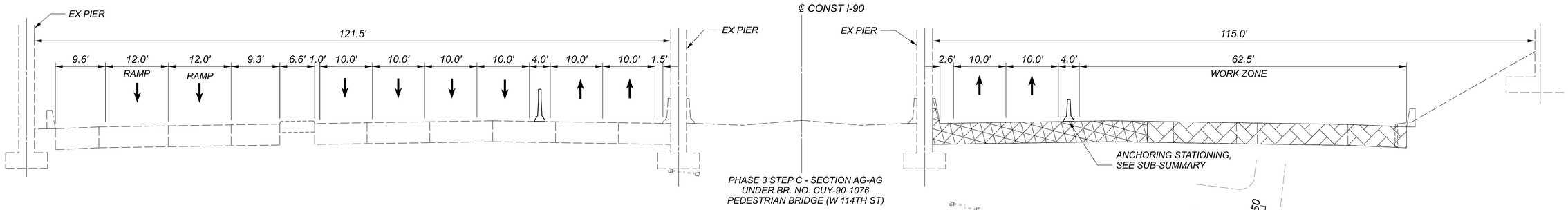
REVIEWER VDK 08/09/23

DESIGNER BER

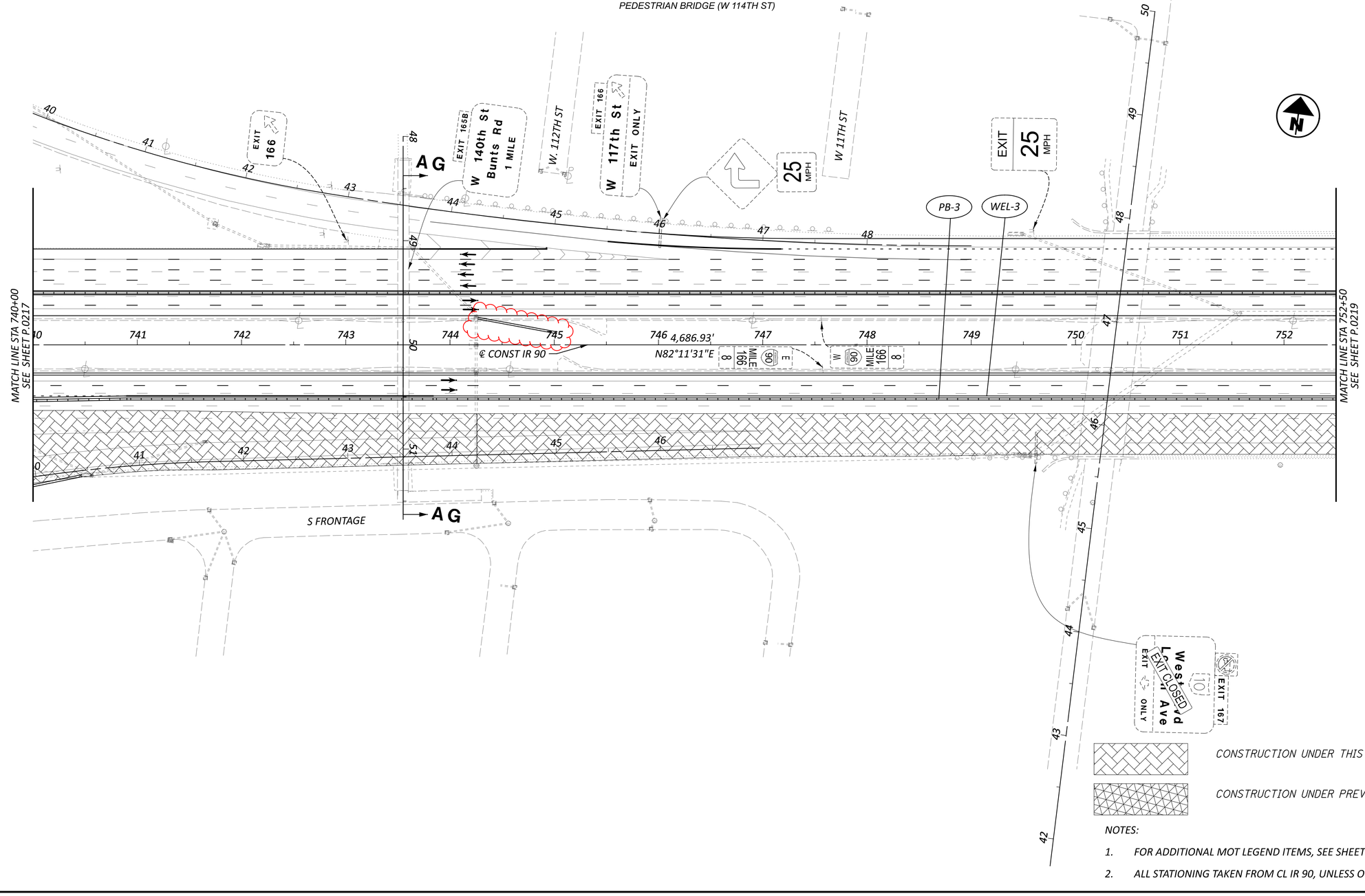
DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 3C
STA 727+50 TO STA 740+00

HORIZONTAL SCALE IN FEET
0 50
25 100



PHASE 3 STEP C - SECTION AG-AG
UNDER BR. NO. CUY-90-1076
PEDESTRIAN BRIDGE (W 114TH ST)



CONSTRUCTION UNDER THIS PHASE

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 3C
STA 740+00 TO STA 752+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

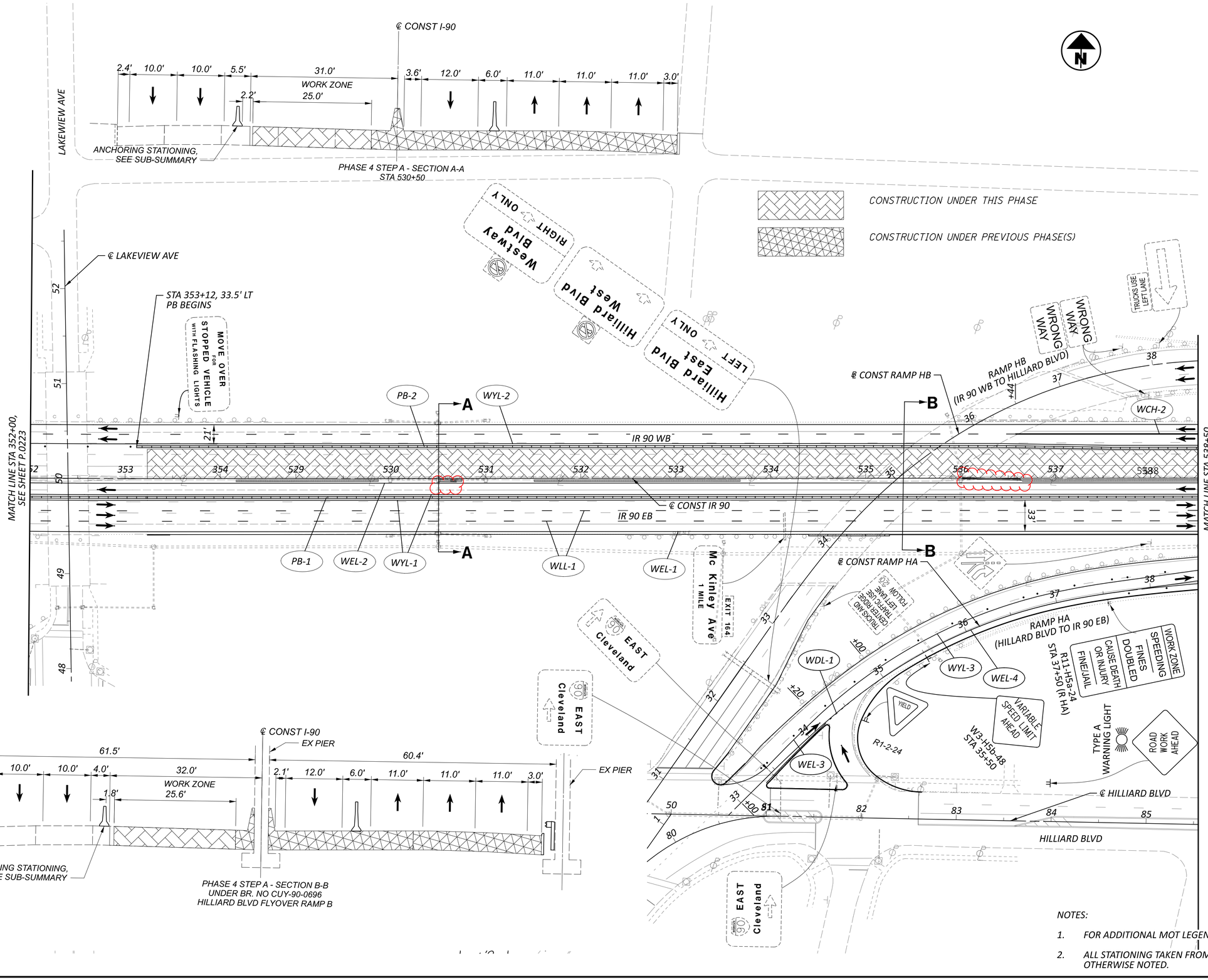
DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0218 TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 2(Sheet) PAPERSIZE: 34x22 (in) DATE: 4/20/2025 TIME: 10:05:36 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MPI33.dgn

MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 352+00 TO STA 538+50

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

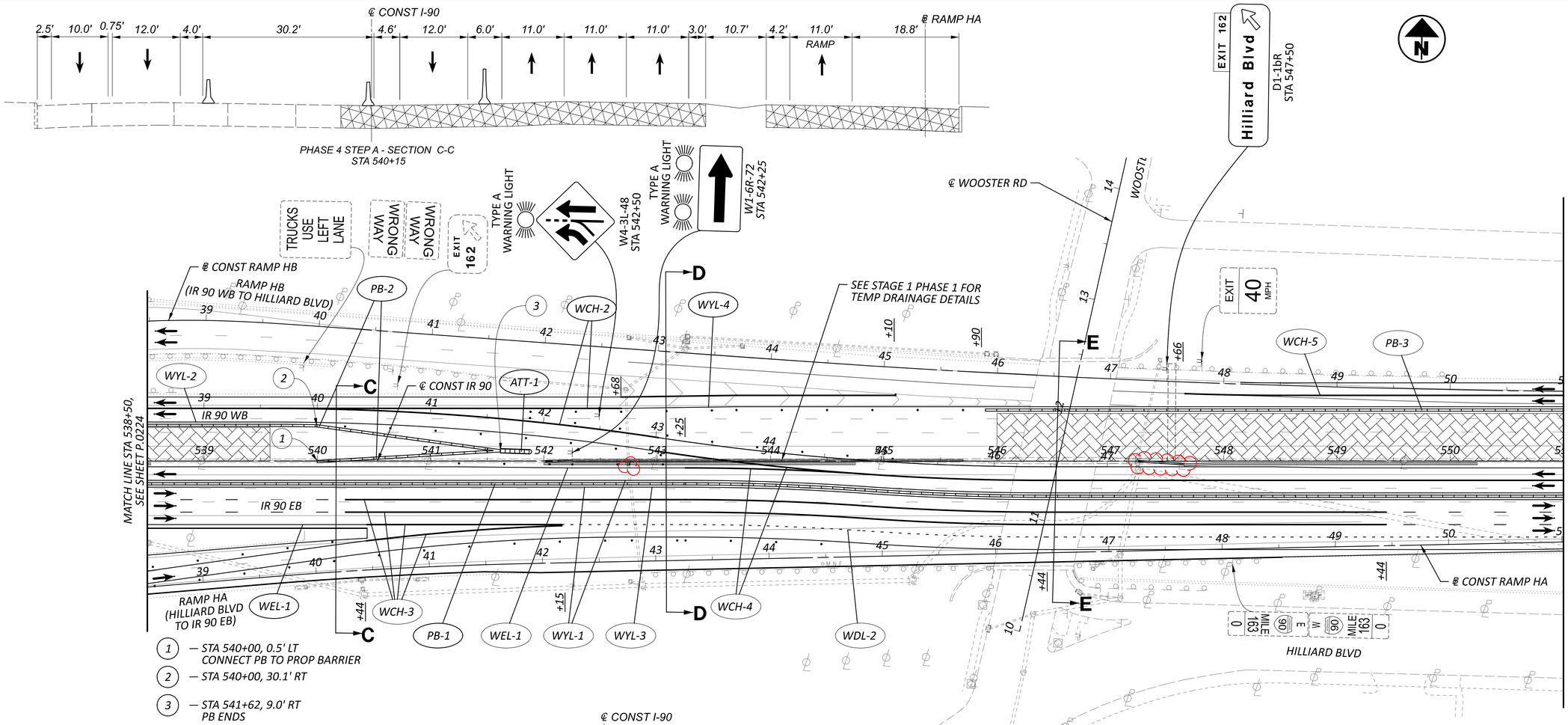
1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

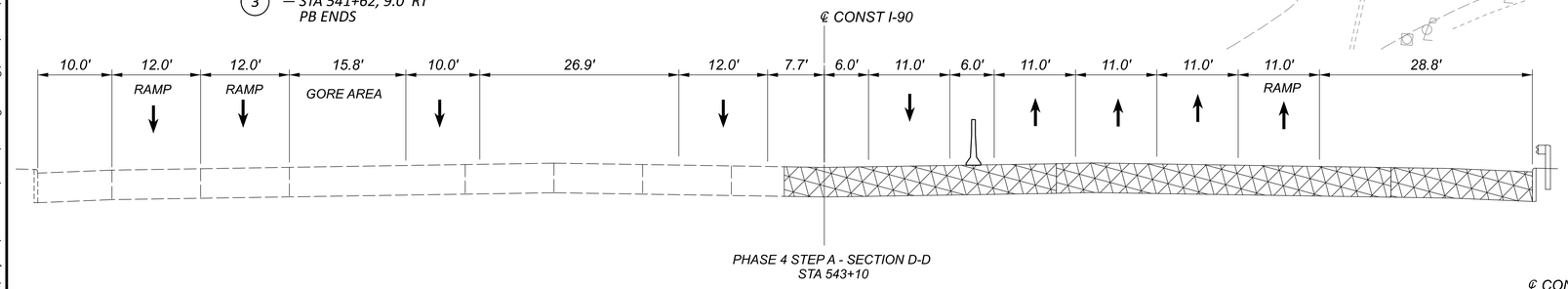
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

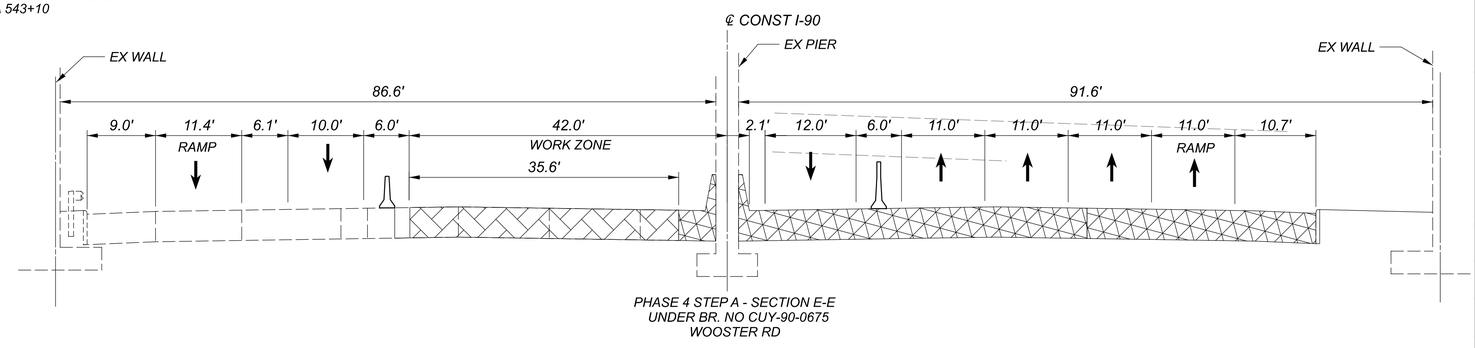
DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
CSC	VDK 08/09/23	76779	P.0224	P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 03 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 10:28:37 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn







CONSTRUCTION UNDER THIS PHASE

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

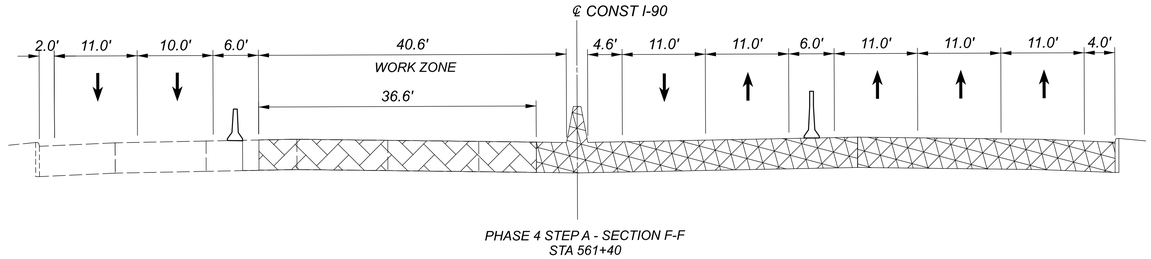
MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 538+50 TO STA 551+00

DESIGN AGENCY
STRUCTUREPOINT

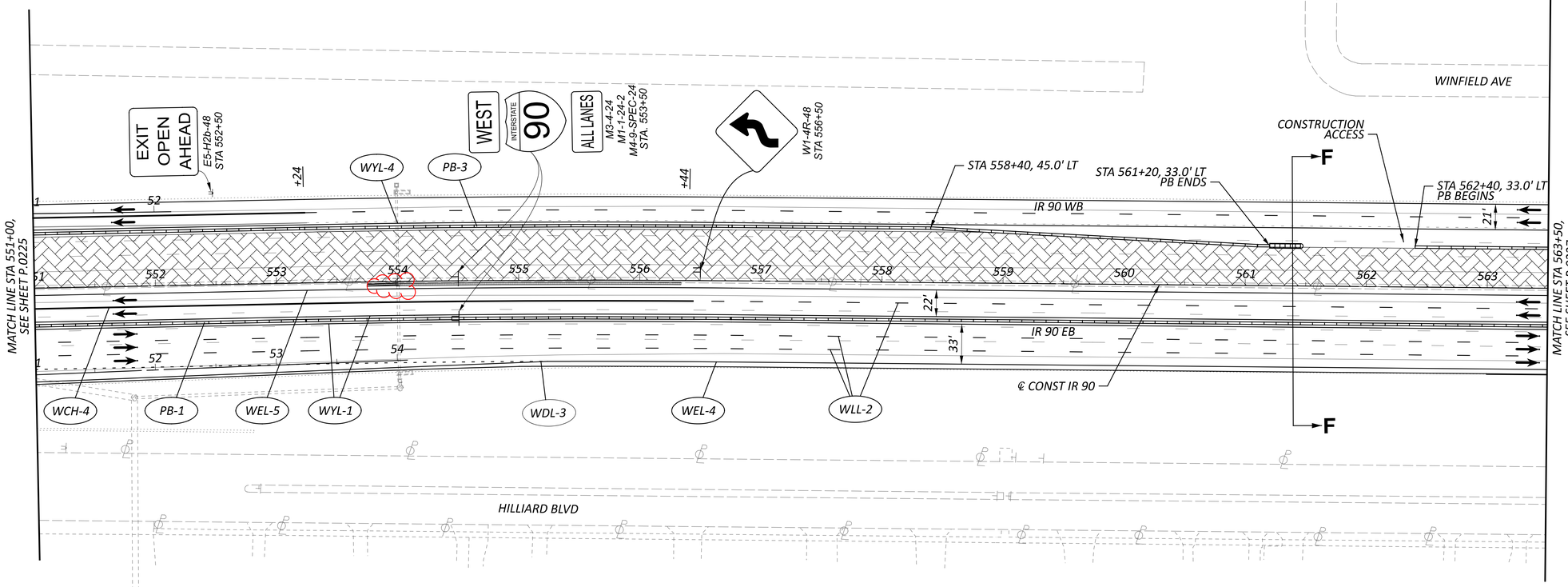
DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0225 TOTAL P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 04 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 10:30:45 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn
MP141.dgn



PHASE 4 STEP A - SECTION F-F
STA 561+40



CONSTRUCTION UNDER THIS PHASE

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

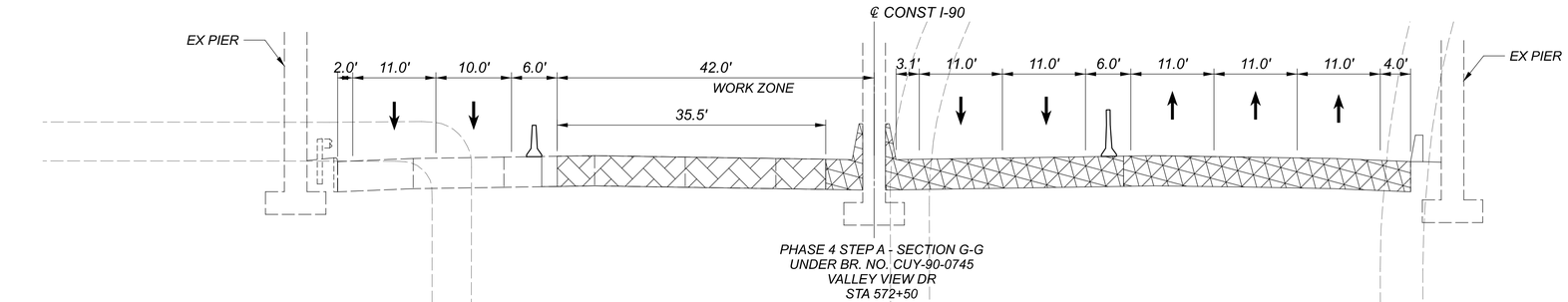
MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 551+00 TO STA 563+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

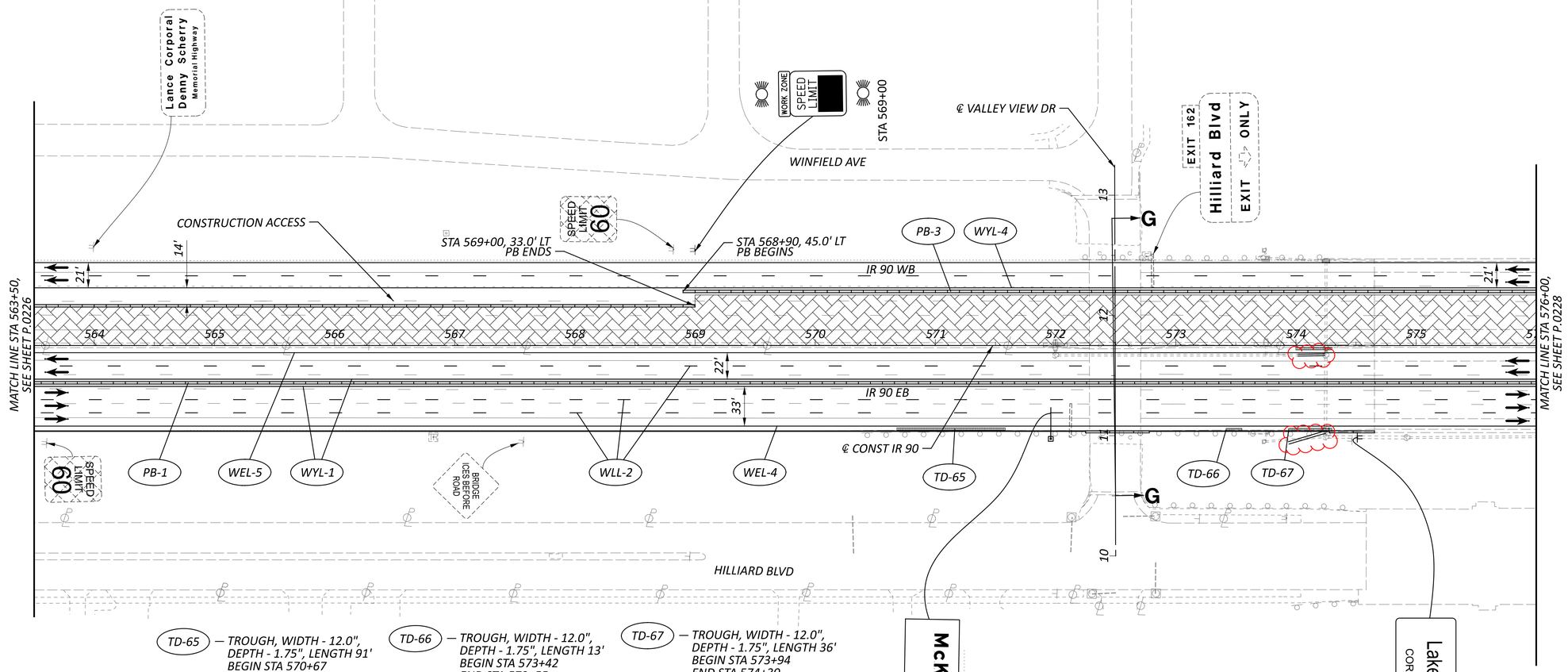
DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0226 TOTAL P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 05 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 10:31:51 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn



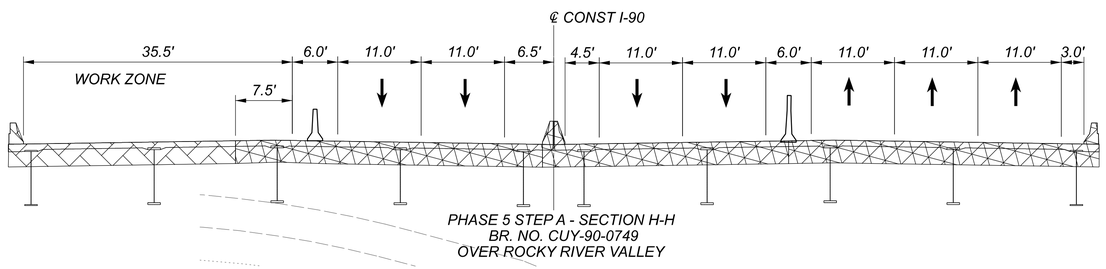
PHASE 4 STEP A - SECTION G-G
UNDER BR. NO. CUY-90-0745
VALLEY VIEW DR
STA 572+50



TD-65 — TROUGH, WIDTH - 12.0", DEPTH - 1.75", LENGTH 91'
BEGIN STA 570+67
END STA 571+58

TD-66 — TROUGH, WIDTH - 12.0", DEPTH - 1.75", LENGTH 13'
BEGIN STA 573+42
END STA 573+55

TD-67 — TROUGH, WIDTH - 12.0", DEPTH - 1.75", LENGTH 36'
BEGIN STA 573+94
END STA 574+30



PHASE 5 STEP A - SECTION H-H
BR. NO. CUY-90-0749
OVER ROCKY RIVER VALLEY

CONSTRUCTION UNDER THIS PHASE

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 H-H CAN BE FOUND ON FOLLOWING PAGE.

HORIZONTAL SCALE IN FEET
0 25 50 100

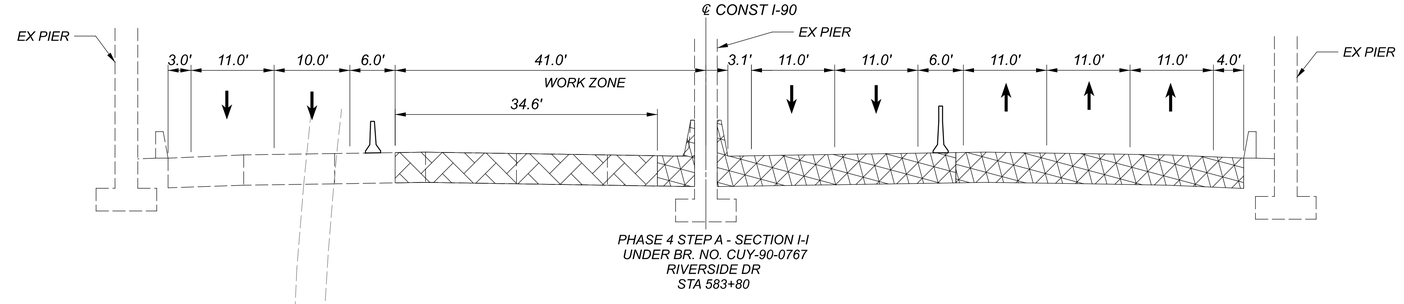
MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 563+50 TO STA 576+00

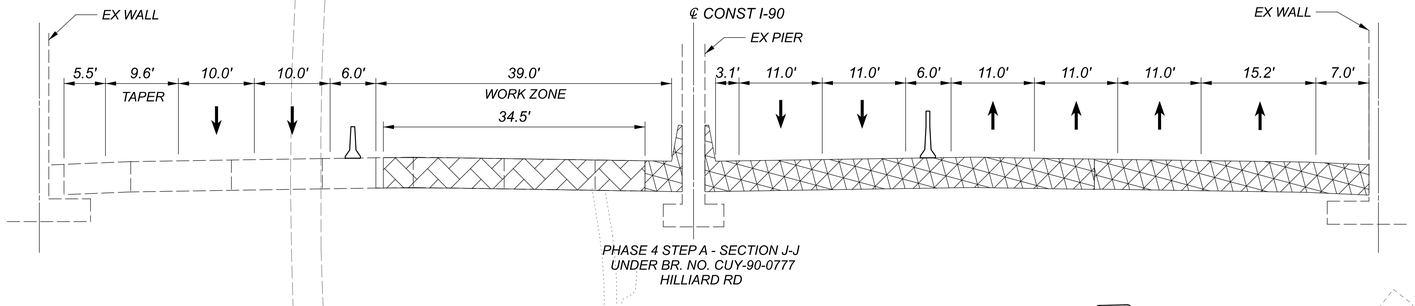
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

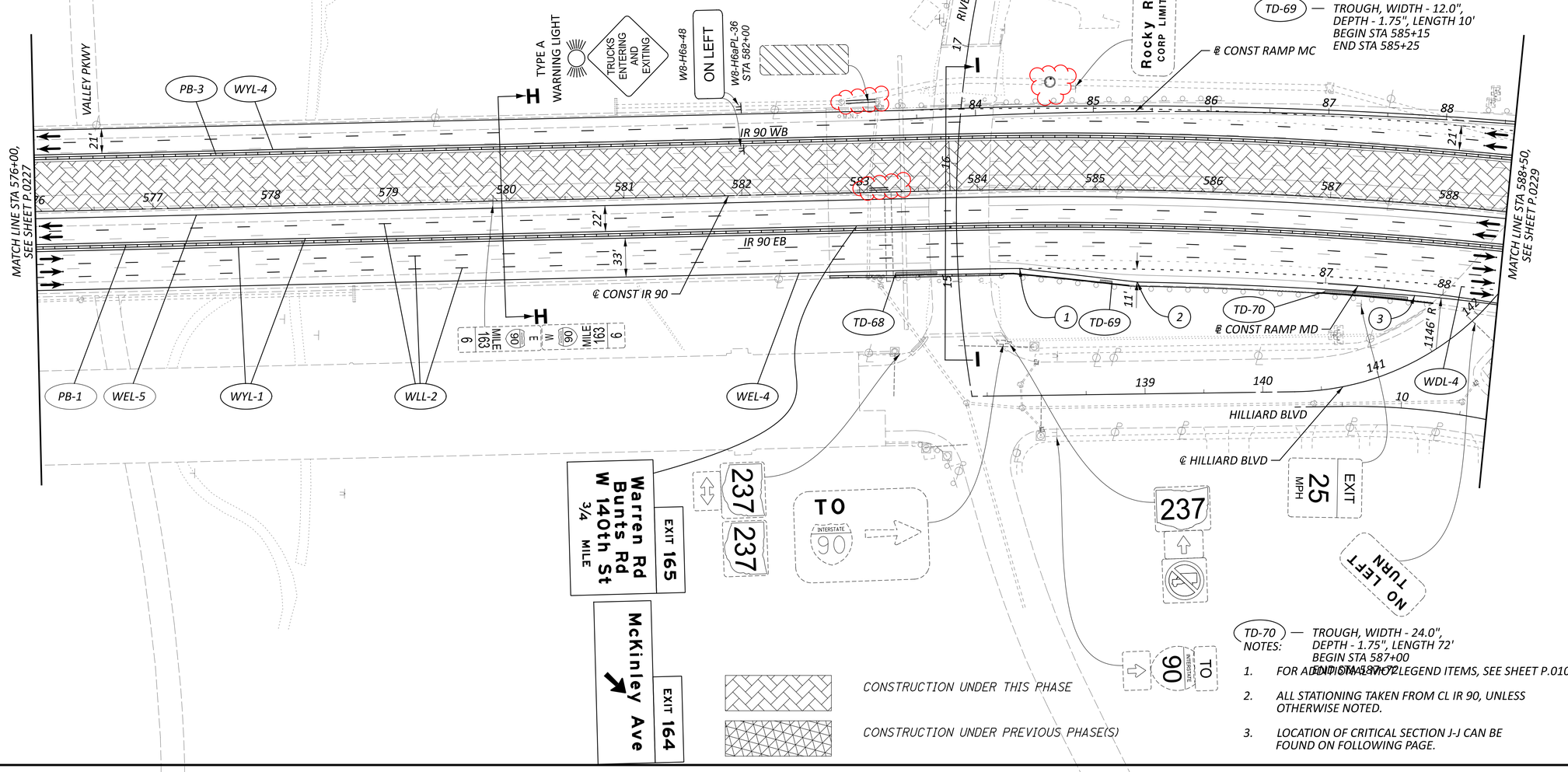
DESIGNER	CSC
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0227
TOTAL	P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 06 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 10:32:56 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn







1 — STA 584+36, 67.0' RT
LANE TAPER BEGINS

2 — STA 585+37, 78.0' RT
LANE TAPER ENDS

3 — STA 87+76, 3.5' RT (R MD)
PC

TD-68 — TROUGH, WIDTH - 12.0",
DEPTH - 1.75", LENGTH 35'
BEGIN STA 583+29
END STA 583+64

TD-69 — TROUGH, WIDTH - 12.0",
DEPTH - 1.75", LENGTH 10'
BEGIN STA 585+15
END STA 585+25

TD-70 — TROUGH, WIDTH - 24.0",
DEPTH - 1.75", LENGTH 72'
BEGIN STA 587+00
END STA 587+72

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 J-J CAN BE FOUND ON FOLLOWING PAGE.

HORIZONTAL SCALE IN FEET
0 25 50 100

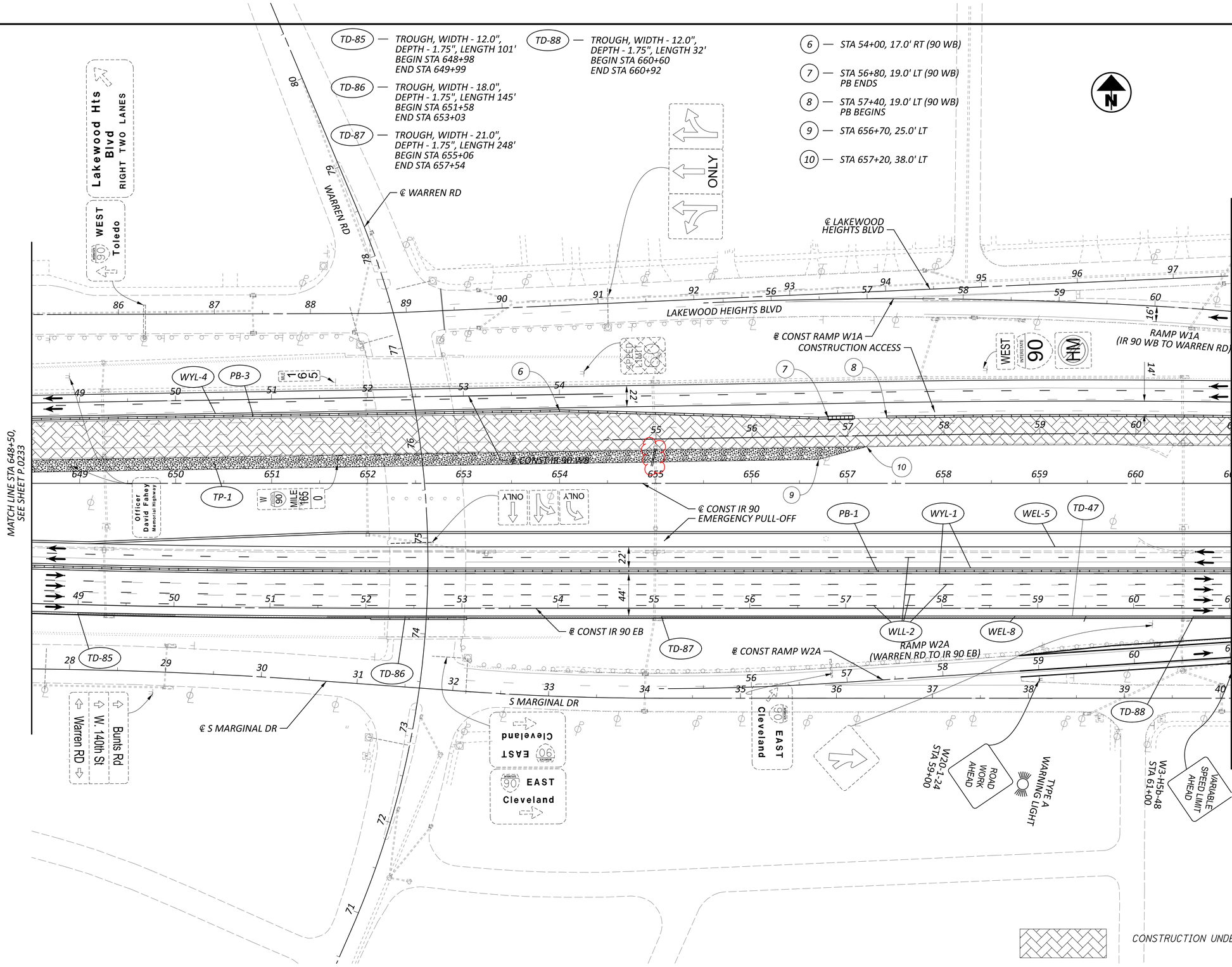
MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 576+00 TO STA 588+50

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0228 TOTAL P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 07 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 10:35:30 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn



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 4A
STA 648+50 TO STA 661+00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: CSC

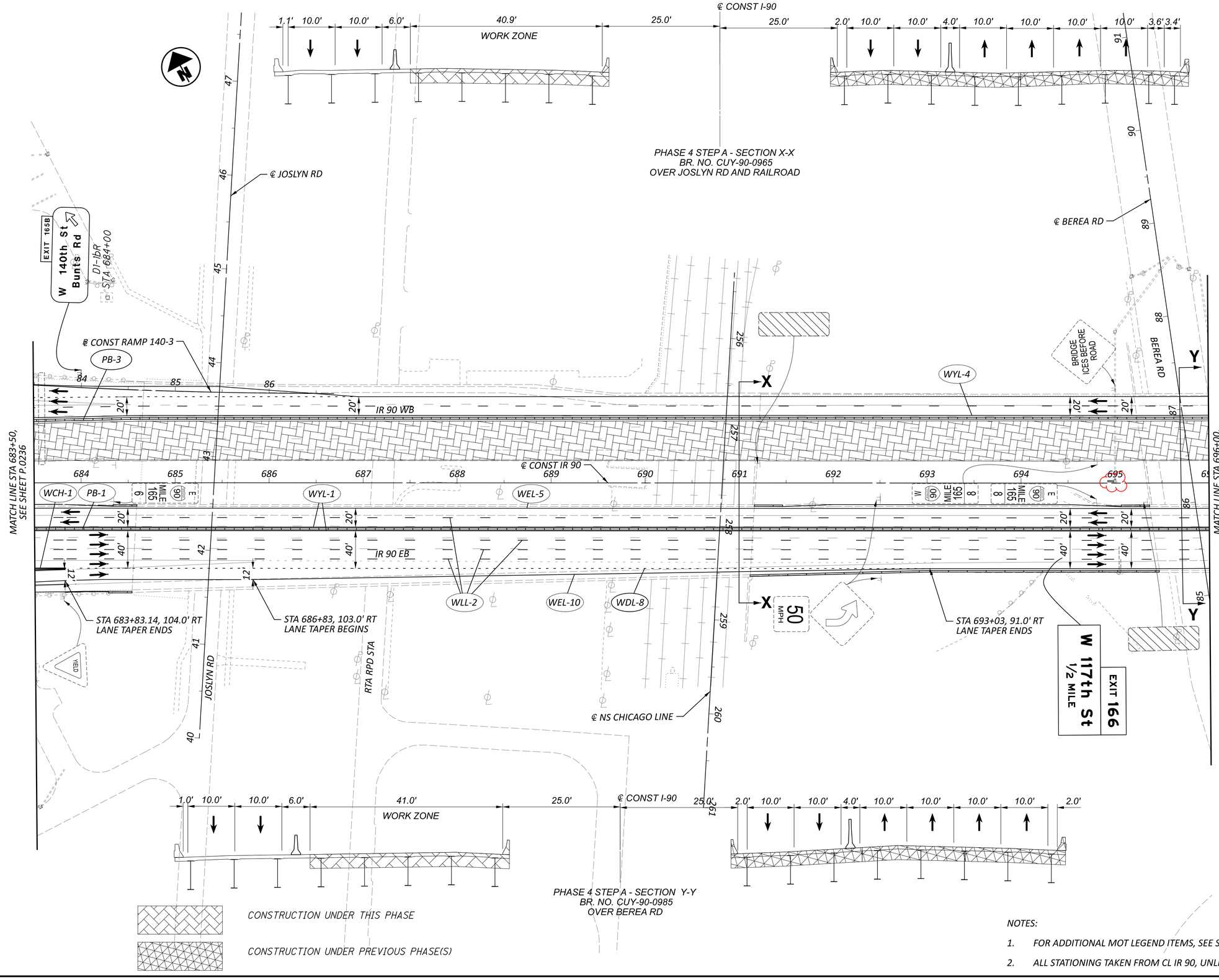
REVIEWER: VDK 08/09/23

PROJECT ID: 76779

SHEET: P.0234 TOTAL: P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 13 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 1:41:15 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn



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 4A, 4B
STA 683+50 TO STA 696+00

DESIGN AGENCY
OHIO DEPARTMENT OF TRANSPORTATION
STRUCTUREPOINT INC.

DESIGNER
CSC

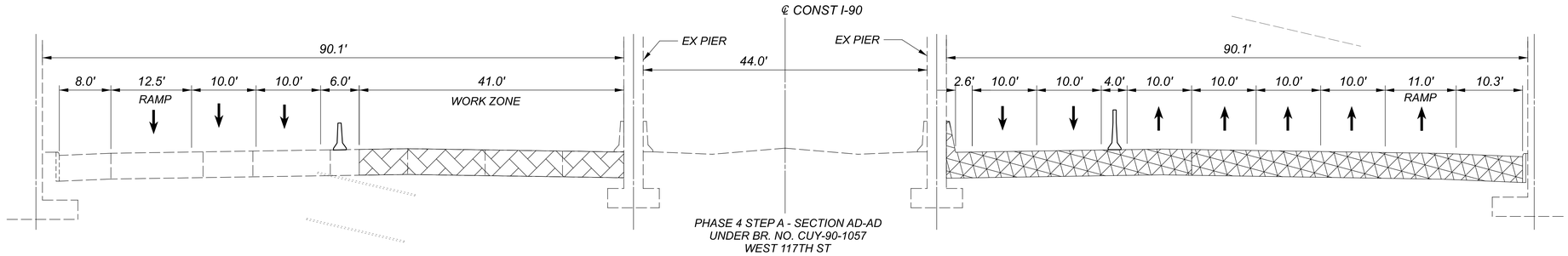
REVIEWER
VDK 08/09/23

PROJECT ID
76779

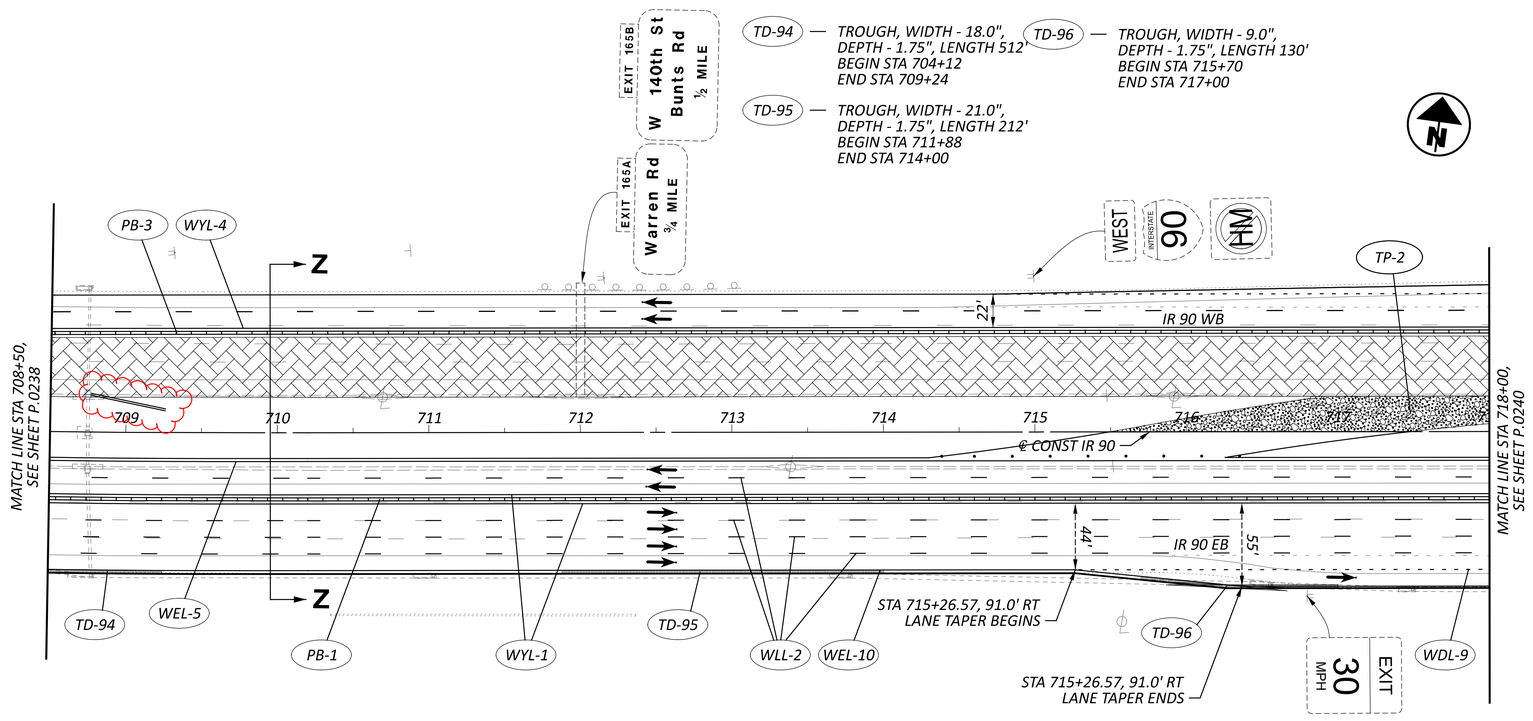
SHEET P.0237 TOTAL P.1587

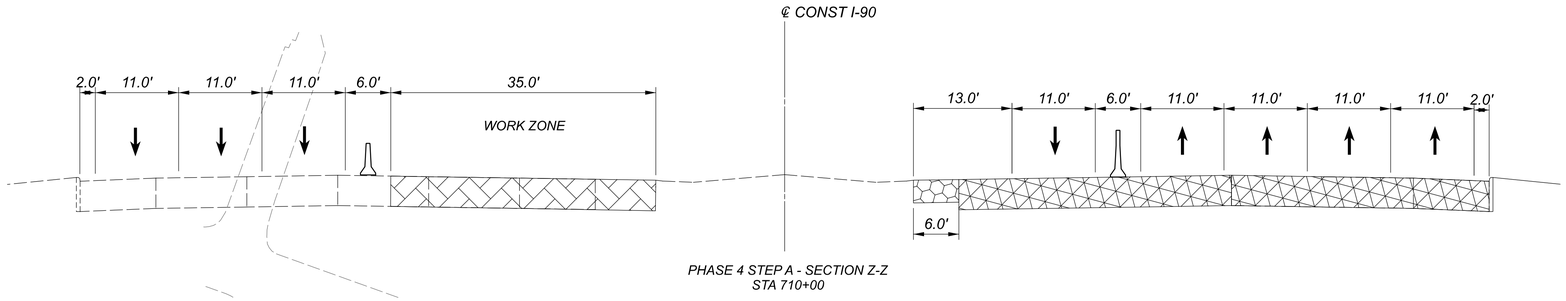
CUY-90-6.69

MODEL: S1P4 - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 1:43:45 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn



PHASE 4 STEP A - SECTION AD-AD
UNDER BR. NO. CUY-90-1057
WEST 117TH ST





PHASE 4 STEP A - SECTION Z-Z
STA 710+00

CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

TEMPORARY CONSTRUCTION UNDER PREVIOUS PHASE(S)

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. FOR SECTION AD-AD LOCATION, SEE SHEET

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 708+50 TO STA 718+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CSC

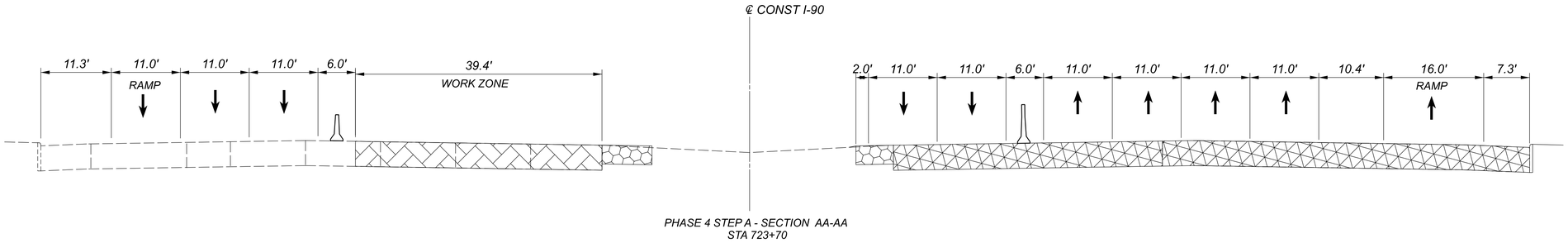
REVIEWER
VDK 08/09/23

PROJECT ID
76779

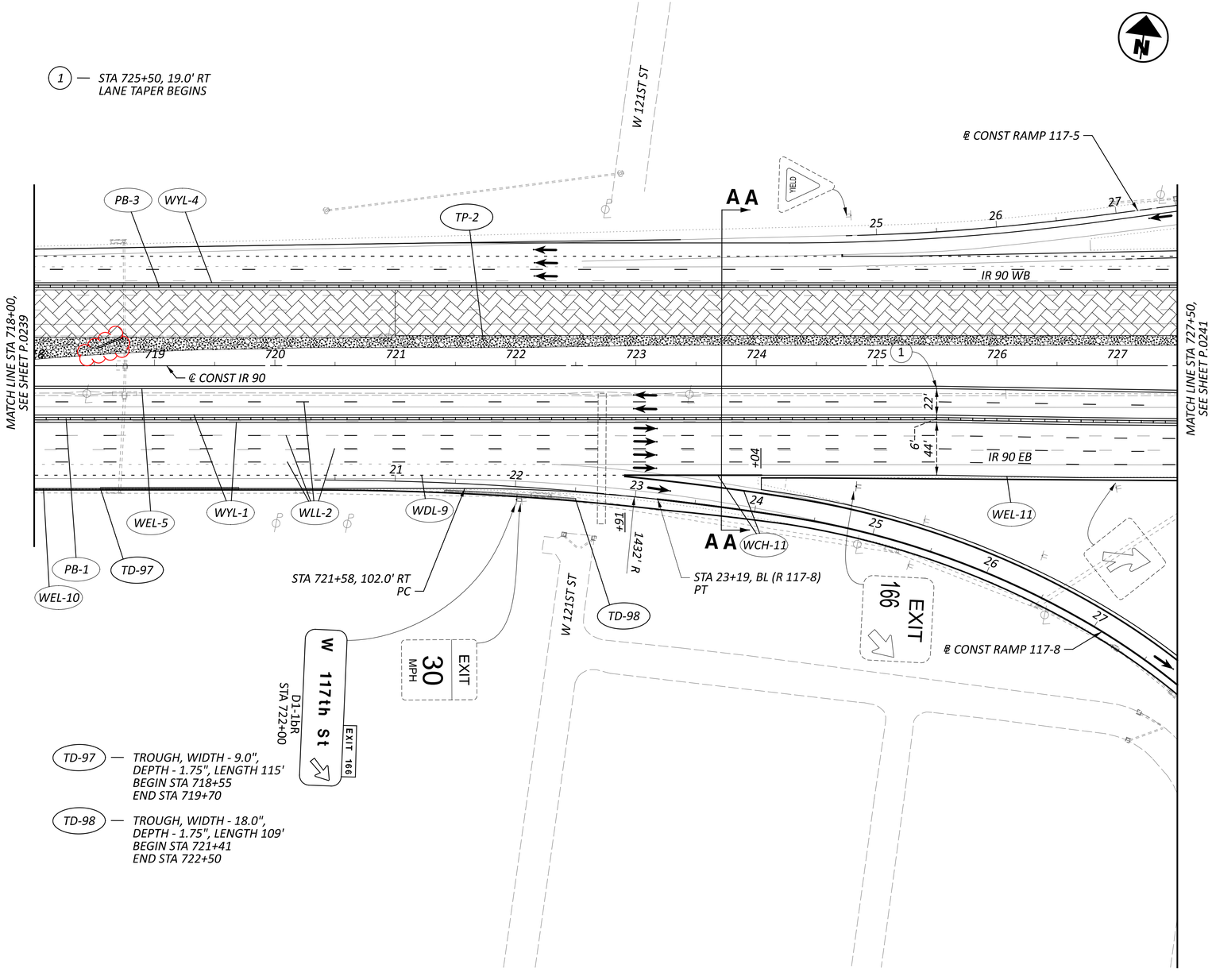
SHEET P.0239 TOTAL P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 18 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 1:45:14 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn



PHASE 4 STEP A - SECTION AA-AA
STA 723+70



TD-97 — TROUGH, WIDTH - 9.0",
DEPTH - 1.75", LENGTH 115'
BEGIN STA 718+55
END STA 719+70

TD-98 — TROUGH, WIDTH - 18.0",
DEPTH - 1.75", LENGTH 109'
BEGIN STA 721+41
END STA 722+50

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.

HORIZONTAL SCALE IN FEET
0 25 50 100

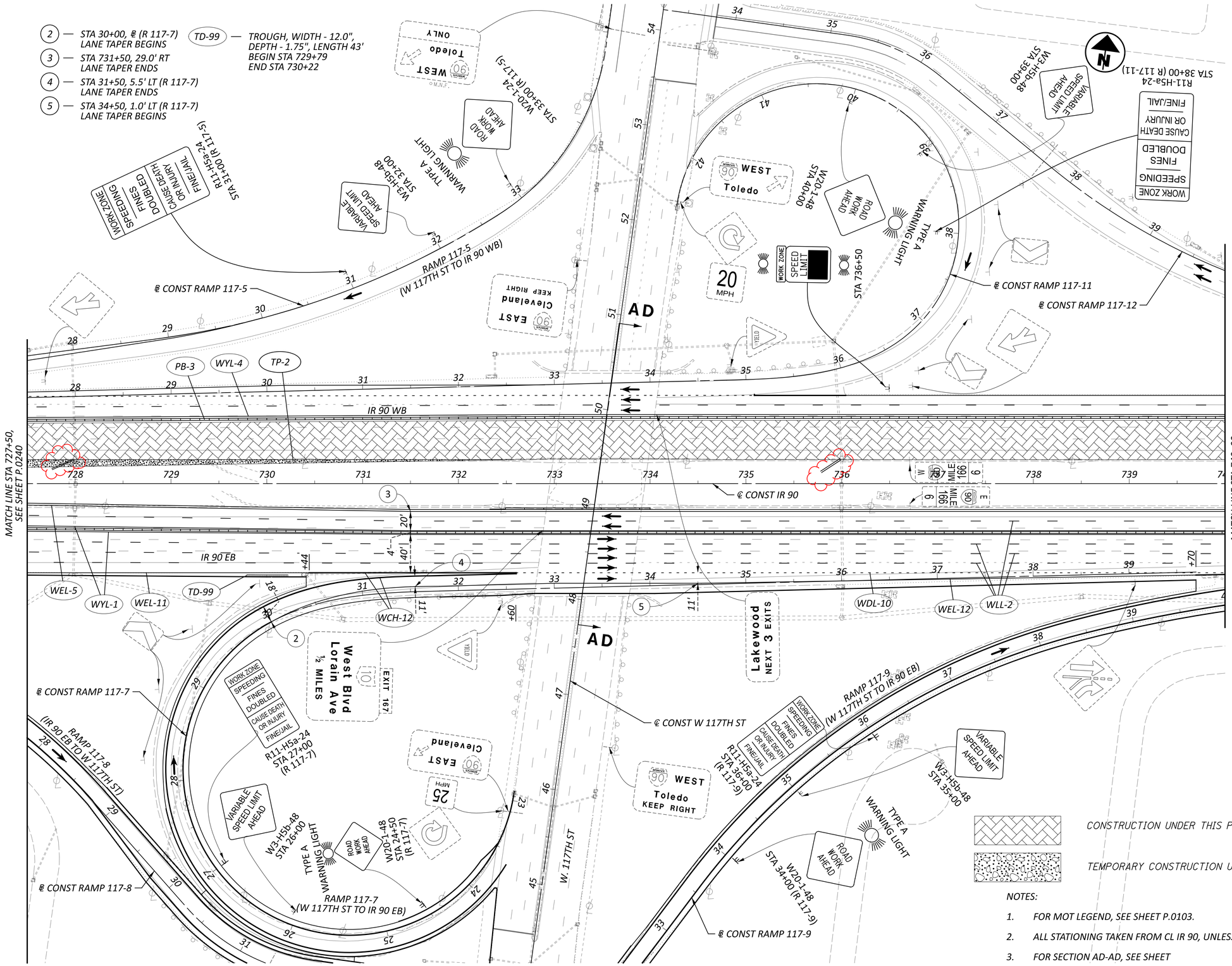
MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 718+00 TO STA 727+50

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER CSC
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0240 TOTAL P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 19 |Sheet| PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 1:47:10 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn



CONSTRUCTION UNDER THIS PHASE

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.
3. FOR SECTION AD-AD, SEE SHEET

HORIZONTAL SCALE IN FEET 0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 4A, 4B
STA 727+50 TO STA 740+00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: CSC

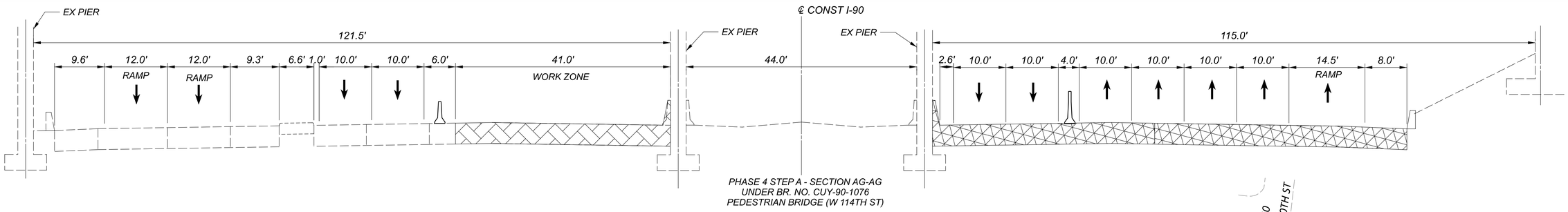
REVIEWER: VDK 08/09/23

PROJECT ID: 76779

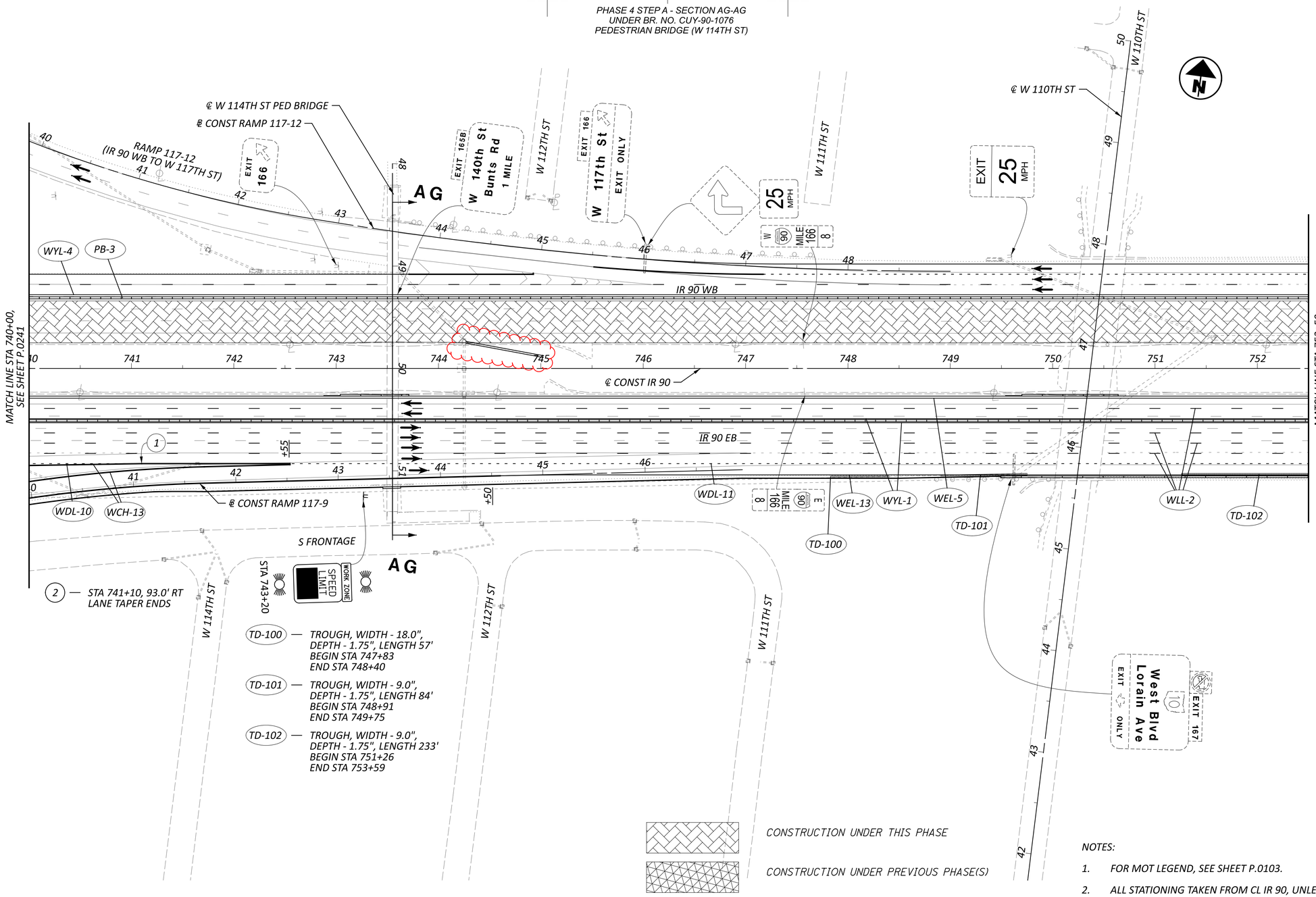
SHEET: P.0241 TOTAL: P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 1:50:38 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn



PHASE 4 STEP A - SECTION AG-AG
UNDER BR. NO. CUY-90-1076
PEDESTRIAN BRIDGE (W 114TH ST)



(1) — STA 741+10, 93.0' RT
LANE TAPER ENDS

TD-100 — TROUGH, WIDTH - 18.0",
DEPTH - 1.75", LENGTH 57'
BEGIN STA 747+83
END STA 748+40

TD-101 — TROUGH, WIDTH - 9.0",
DEPTH - 1.75", LENGTH 84'
BEGIN STA 748+91
END STA 749+75

TD-102 — TROUGH, WIDTH - 9.0",
DEPTH - 1.75", LENGTH 233'
BEGIN STA 751+26
END STA 753+59

CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

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 4A, 4B
STA 740+00 TO STA 752+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
CSC

REVIEWER
VDK 08/09/23

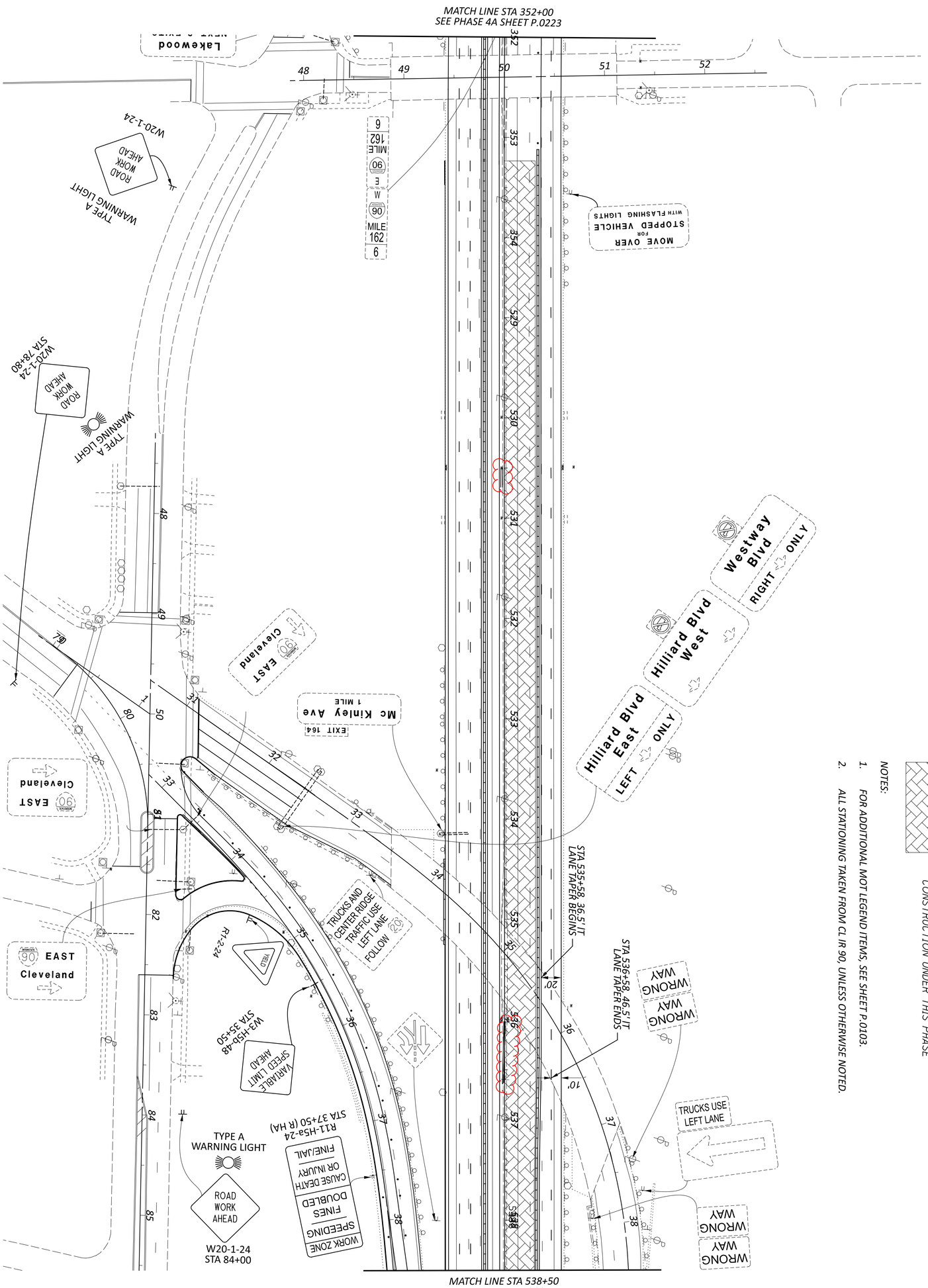
PROJECT ID
76779

SHEET P.0242 TOTAL P.1587

CUY-90-6.69

MODEL: S1P4 - Plan 21 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 1:51:39 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP141.dgn

MODEL: SIP4B - Plan 03 (Sheet) PAPERSIZE: 34x22 (In.) DATE: 4/20/2025 TIME: 2:23:32 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MPI42.dgn



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.

MAINTENANCE OF TRAFFIC PHASE 4B
STA 352+00 TO STA 538+50

HORIZONTAL SCALE IN FEET
0 50
25 100

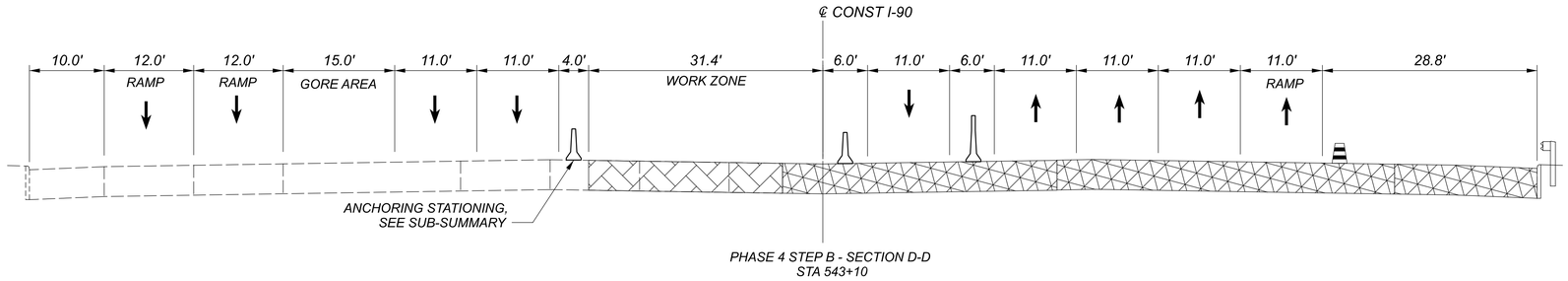
SHEET	TOTAL
P.0265	P.1587

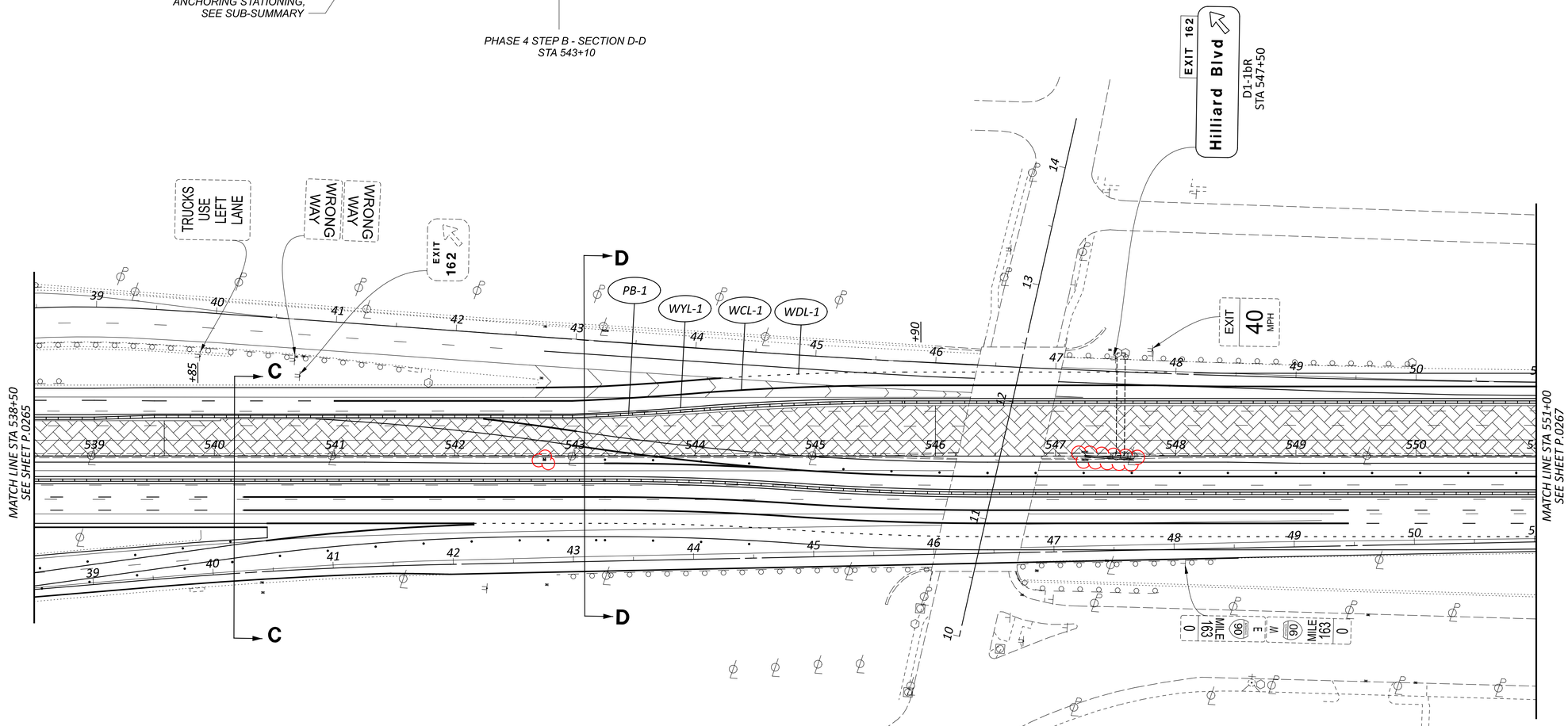
PROJECT ID 76779

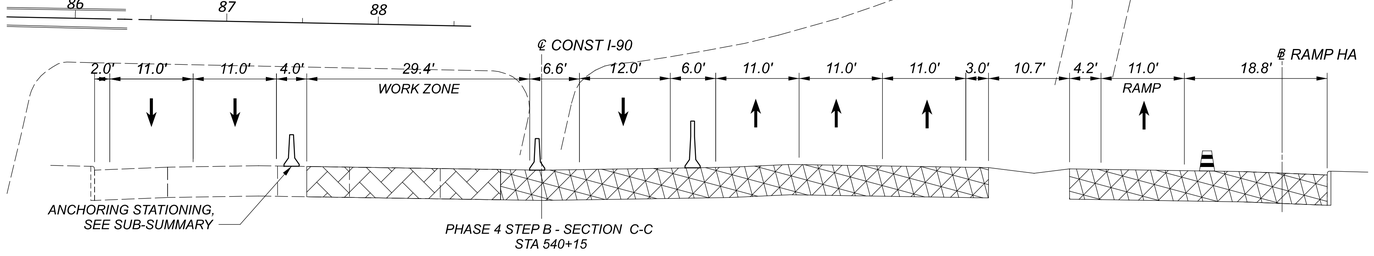
REVIEWER VDK 08/09/23

DESIGNER BER

DESIGN AGENCY AMERICAN STRUCTUREPOINT INC.







CONSTRUCTION UNDER THIS PHASE

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 4B
STA 538+50 TO STA 551+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

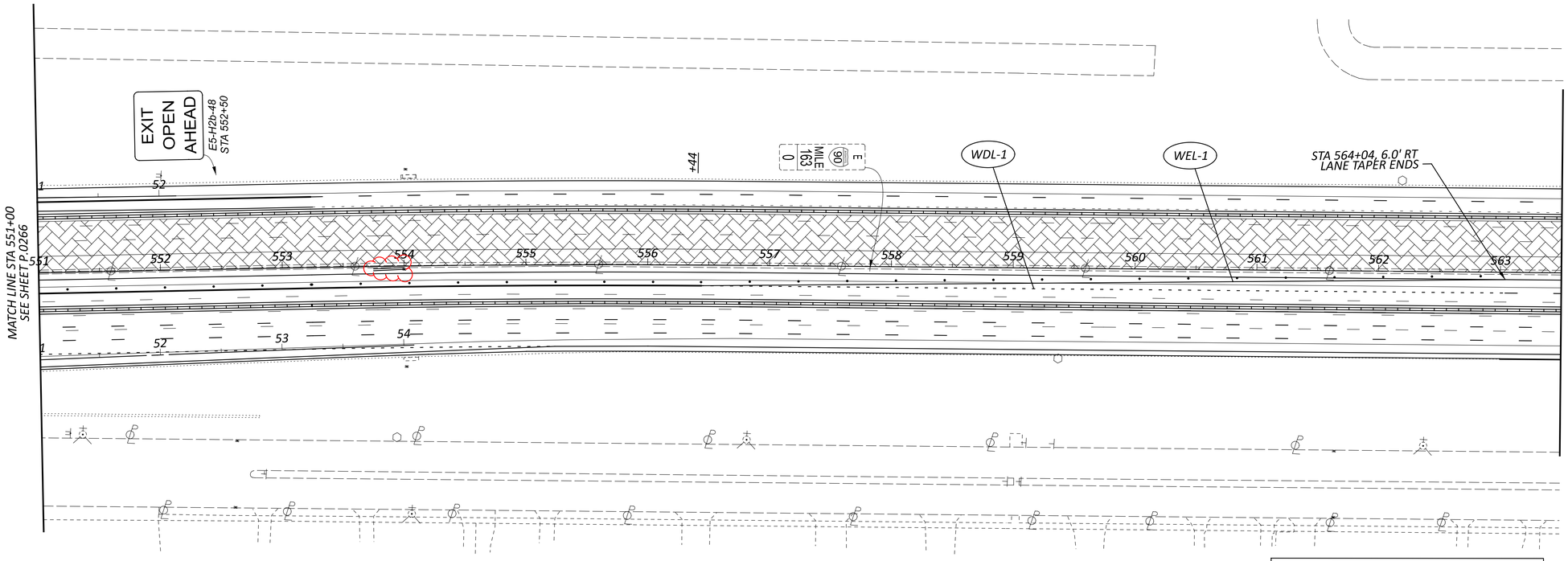
SHEET P.0266 TOTAL P.1587

CUY-90-6.69

MODEL: SIP4B - Plan 04 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 2:25:41PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MPI42.dgn

MAINTENANCE OF TRAFFIC PHASE 4B
STA 551+00 TO STA 563+50

HORIZONTAL SCALE IN FEET
0 25 50 100



INSTALL BEFORE CONTRAFLOW LANE CLOSURE
EB SIDE, WB DIRECTION

Type A Warning Light

W4-2R-48	W20-5R-48
STA 573+00	STA 589+50

RIGHT LANE CLOSED AHEAD

CONSTRUCTION UNDER THIS PHASE

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.*

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

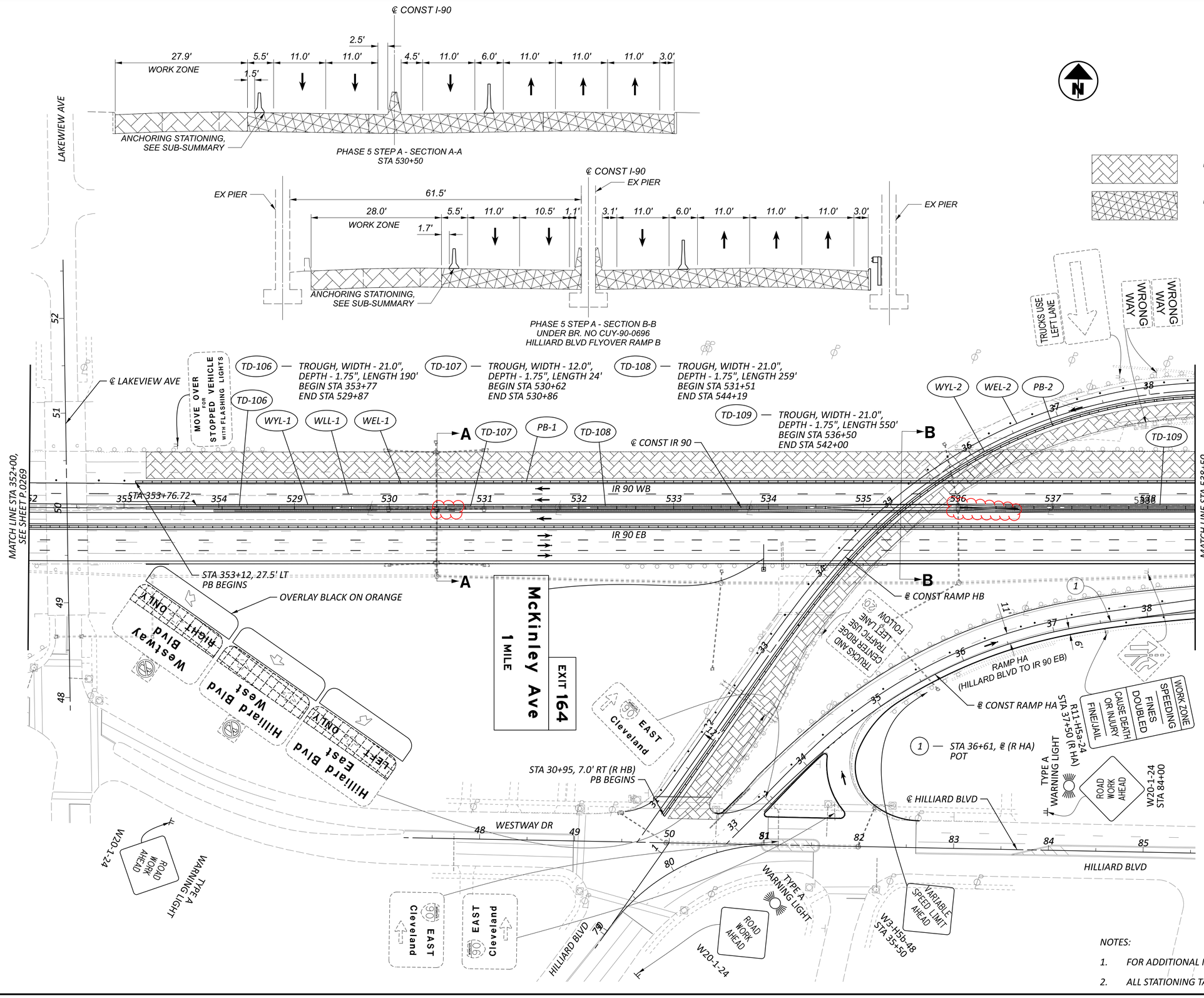
DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0267
TOTAL	P.1587

CUY-90-6.69

MODEL: SIP4B - Plan 05 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 2:27:41 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MPI42.dgn

MAINTENANCE OF TRAFFIC PHASE 5A, 5C
STA 352+00 TO STA 538+50

HORIZONTAL SCALE IN FEET
0 25 50 100



NOTES:

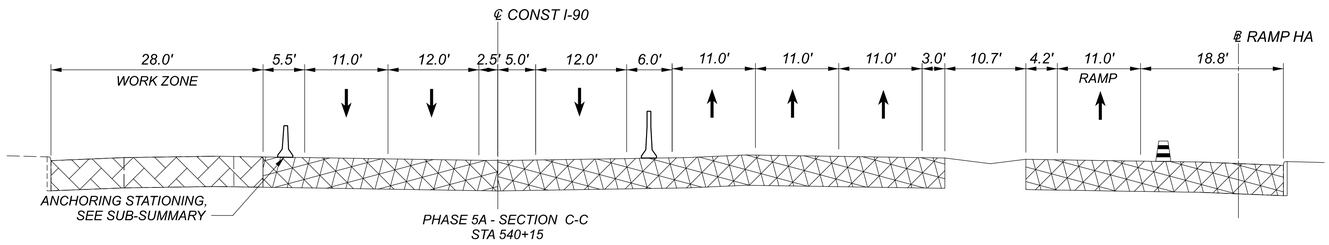
1. *FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.*
2. *ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.*

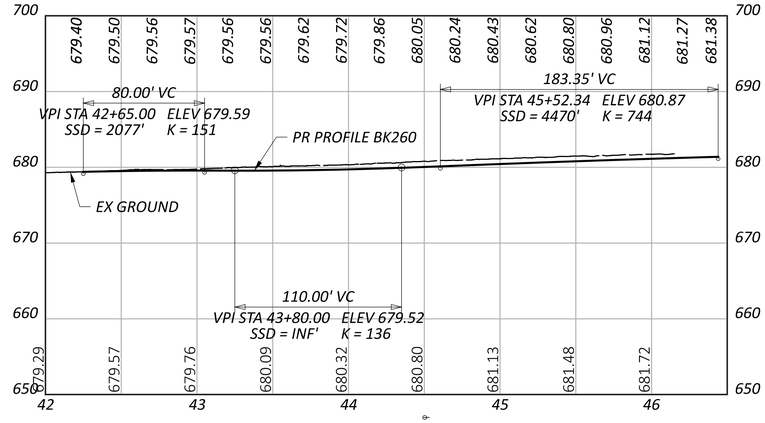
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

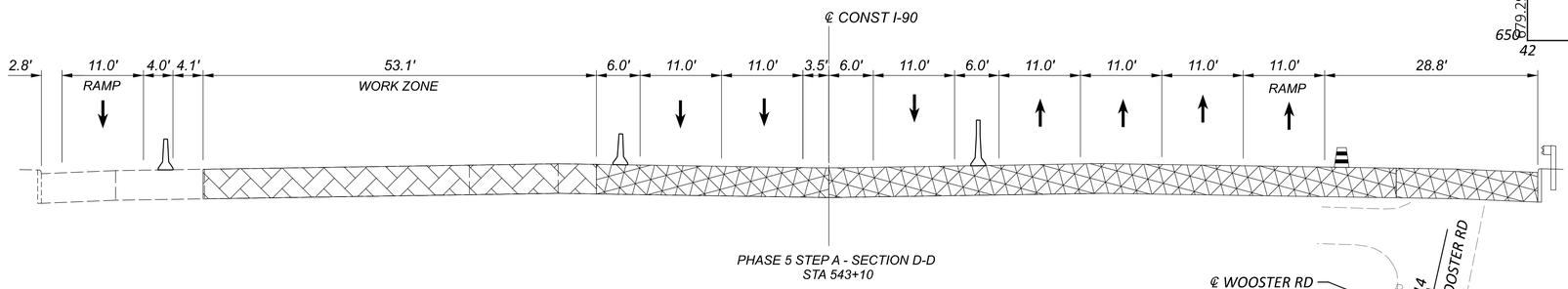
DESIGNER	
DMS	
REVIEWER	
VDK	08/09/23
PROJECT ID	
76779	
SHEET	TOTAL
P.0270	P.1587

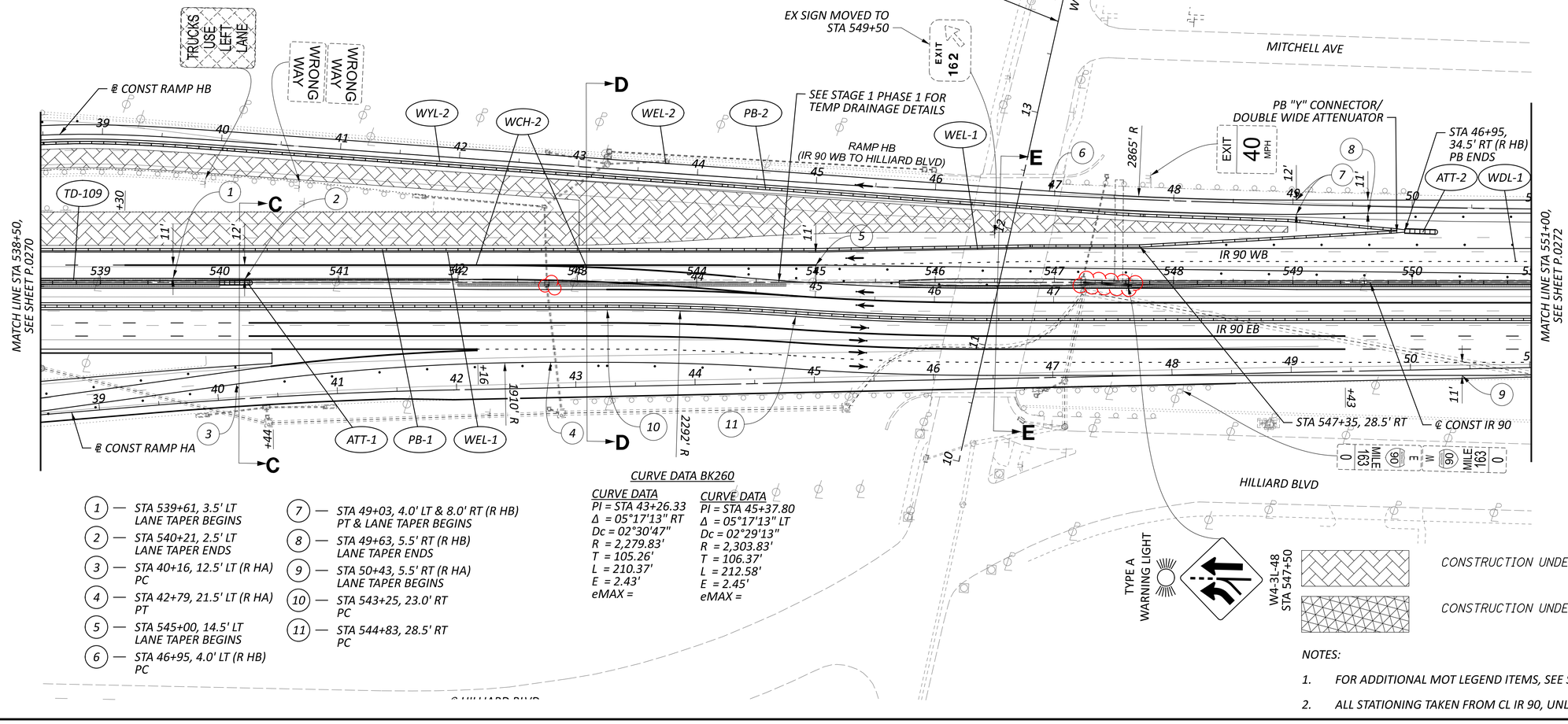
CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 03 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 2:50:21 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn









1 — STA 539+61, 3.5' LT LANE TAPER BEGINS
2 — STA 540+21, 2.5' LT LANE TAPER ENDS
3 — STA 40+16, 12.5' LT (R HA) PC
4 — STA 42+79, 21.5' LT (R HA) PT
5 — STA 545+00, 14.5' LT LANE TAPER BEGINS
6 — STA 46+95, 4.0' LT (R HB) PC
7 — STA 49+03, 4.0' LT & 8.0' RT (R HB) PT & LANE TAPER BEGINS
8 — STA 49+63, 5.5' RT (R HB) LANE TAPER ENDS
9 — STA 50+43, 5.5' RT (R HA) LANE TAPER BEGINS
10 — STA 543+25, 23.0' RT PC
11 — STA 544+83, 28.5' RT PC

CURVE DATA BK260

CURVE DATA
PI = STA 43+26.33
Δ = 05°17'13" RT
Dc = 02°30'47"
R = 2,279.83'
T = 105.26'
L = 210.37'
E = 2.43'
eMAX =

CURVE DATA
PI = STA 45+37.80
Δ = 05°17'13" LT
Dc = 02°29'13"
R = 2,303.83'
T = 106.37'
L = 212.58'
E = 2.45'
eMAX =

TYPE A WARNING LIGHT

W4-3L-48 STA 547+50

CONSTRUCTION UNDER THIS PHASE

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

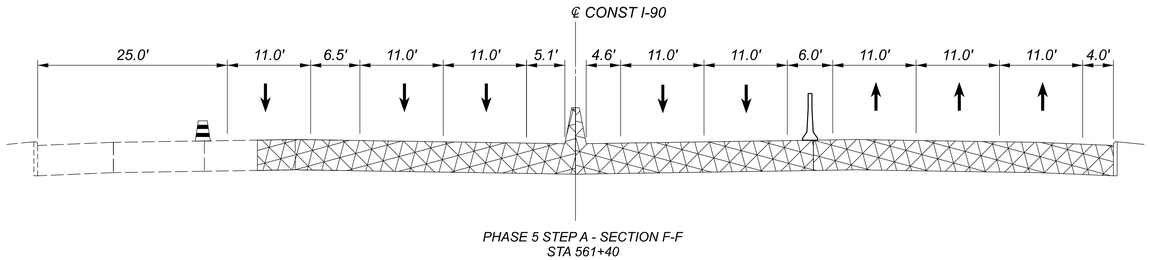
MAINTENANCE OF TRAFFIC PHASE 5A, 5C
STA 538+50 TO STA 551+00

DESIGN AGENCY
AMERICON STRUCTUREPOINT INC.

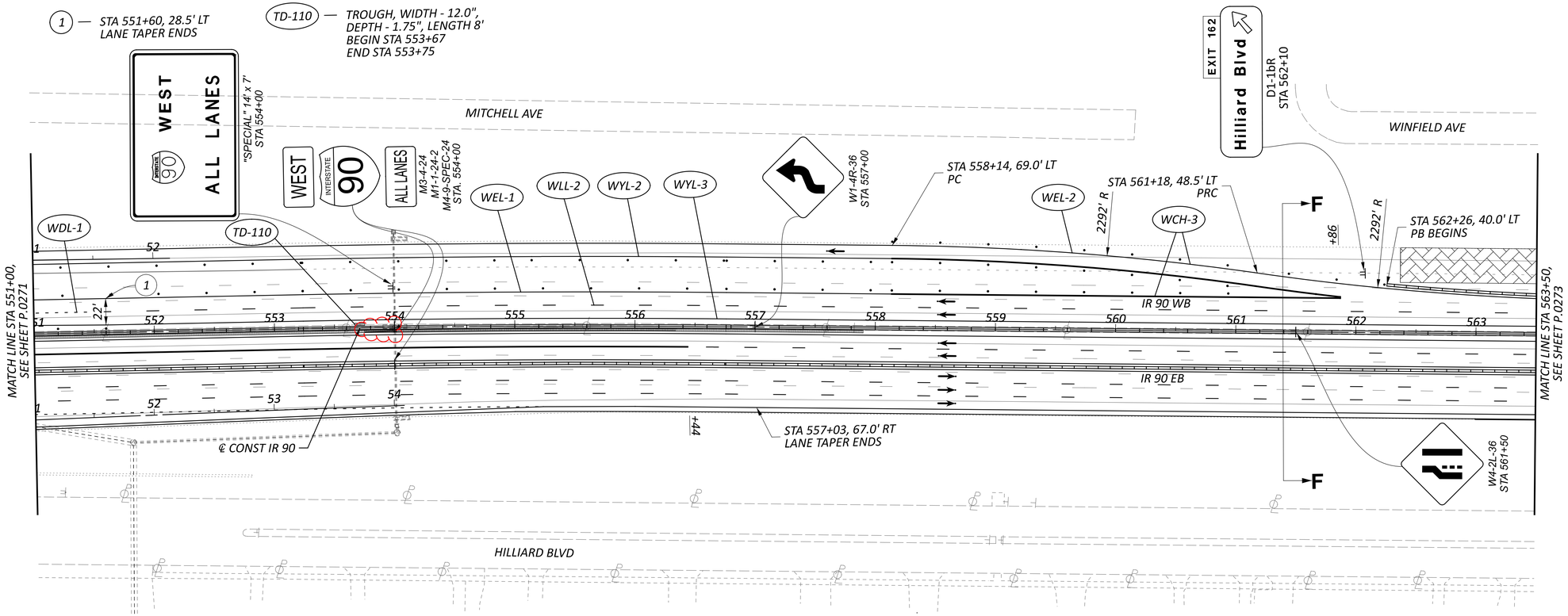
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0271 TOTAL P.1587

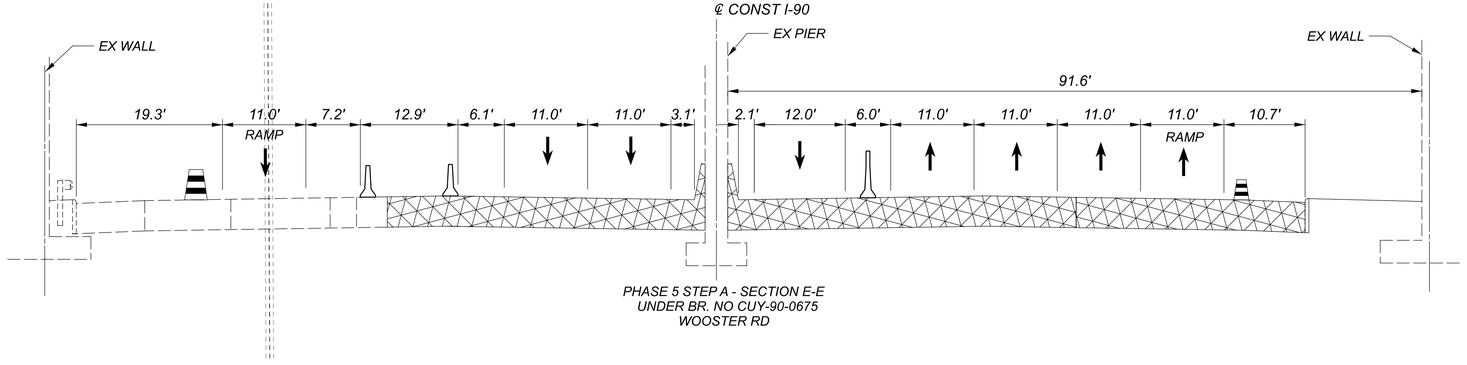
CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 04 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 2:52:26 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn



PHASE 5 STEP A - SECTION F-F
STA 561+40





PHASE 5 STEP A - SECTION E-E
UNDER BR. NO CUY-90-0675
WOOSTER RD

CONSTRUCTION UNDER THIS PHASE

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. FOR SECTION E-E LOCATION , SEE PREVIOUS SHEET.

HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 5A, 5C
STA 551+00 TO STA 563+50

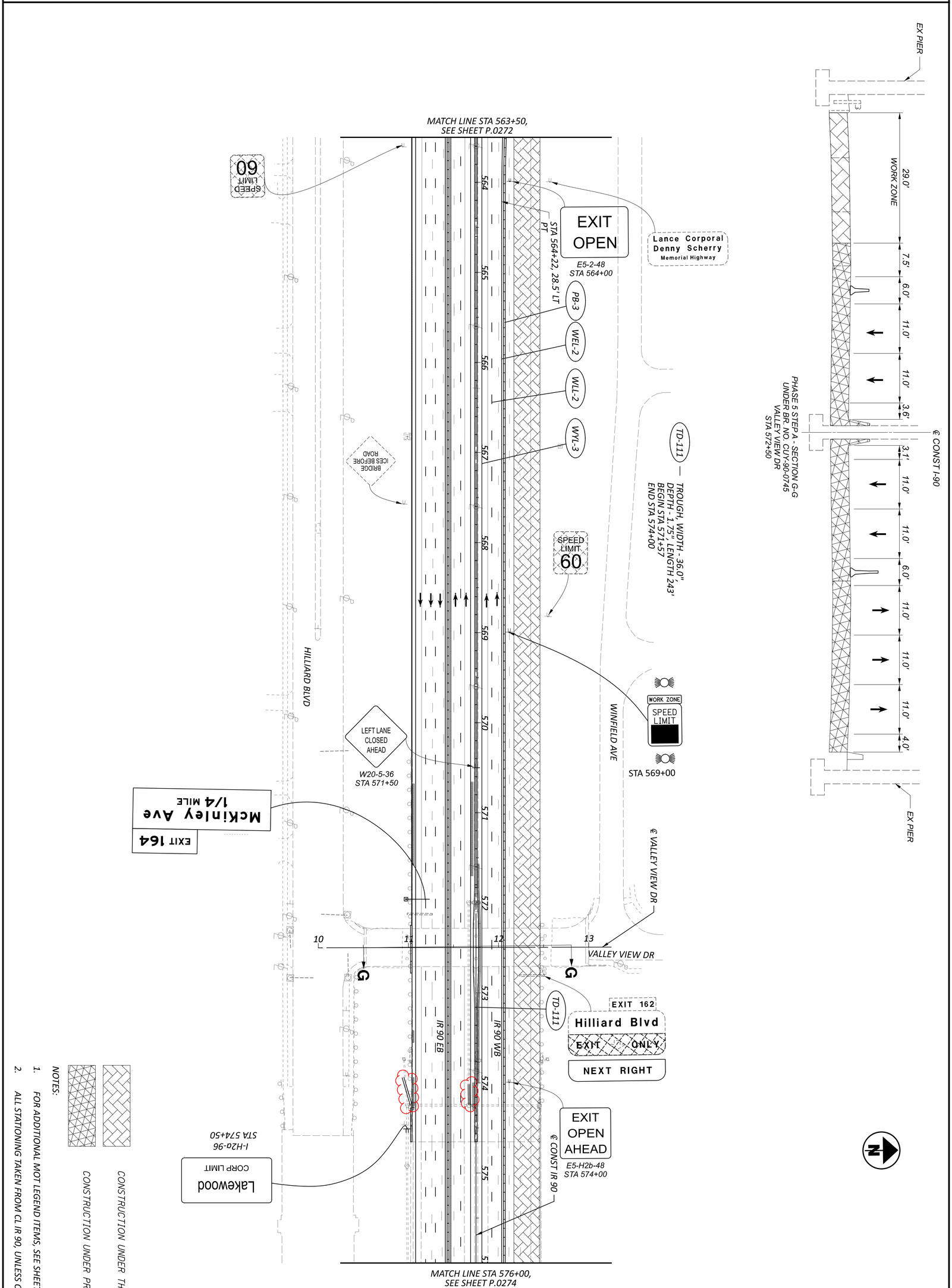
DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0272 TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 05 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 2:53:44 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn

MODEL: MOT Plan Sheets - Plan 06 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 2:55:39 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn



CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

NOTES:

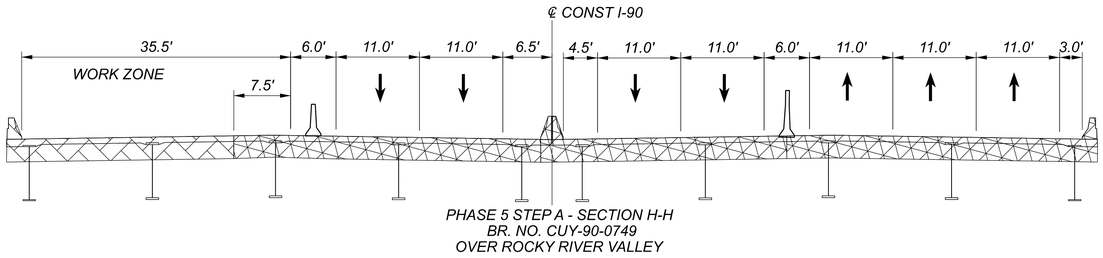
1. FOR ADDITIONAL MOT LEGEND ITEMS, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.

DESIGNER	REVIEWER	PROJECT ID	SHEET	TOTAL
DMS	VDK 08/09/23	76779	P.0273	P.1587

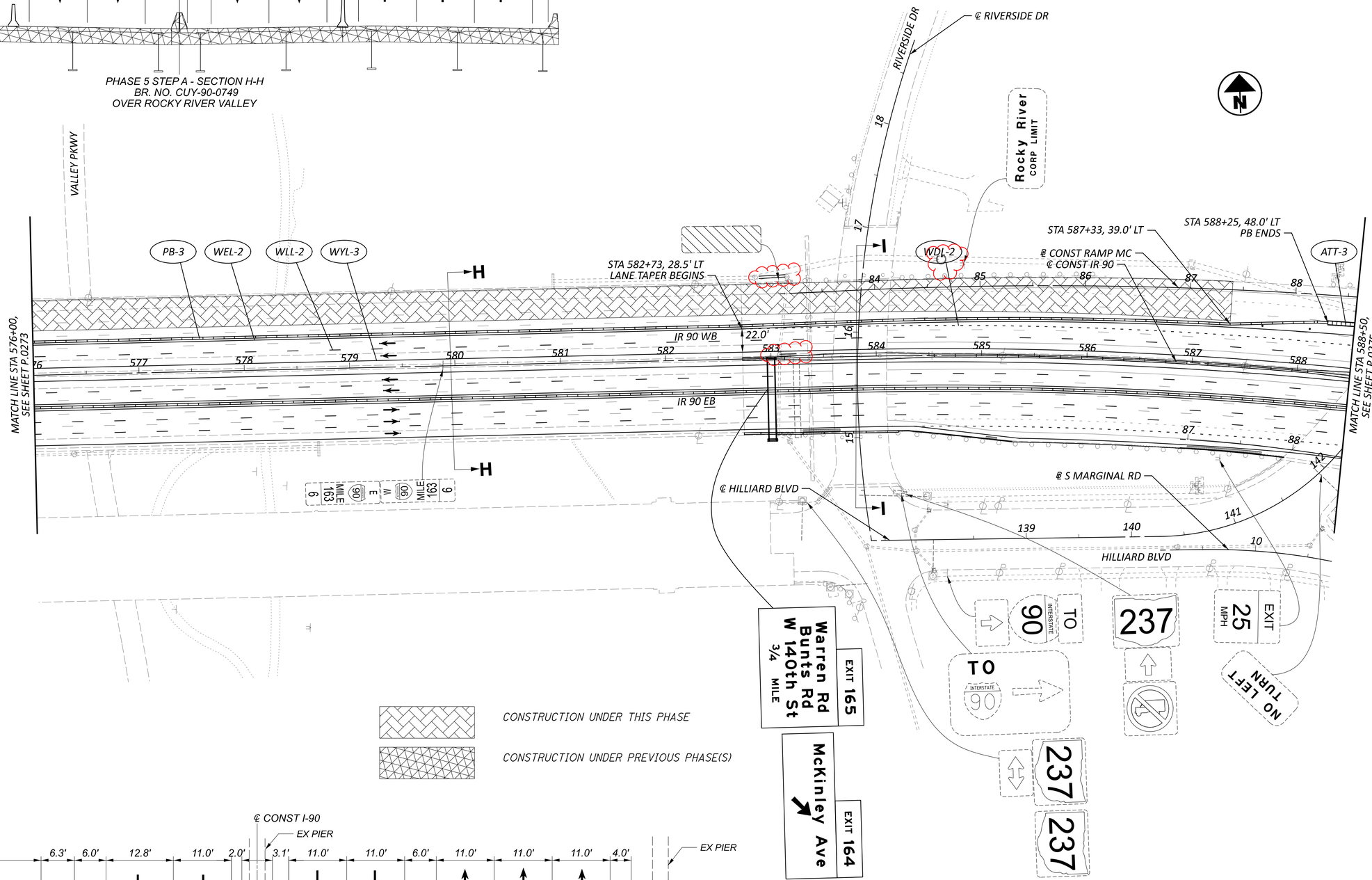
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 5A, 5B, 5C
STA 563+50 TO STA 576+00

HORIZONTAL SCALE IN FEET
0 50
25 100

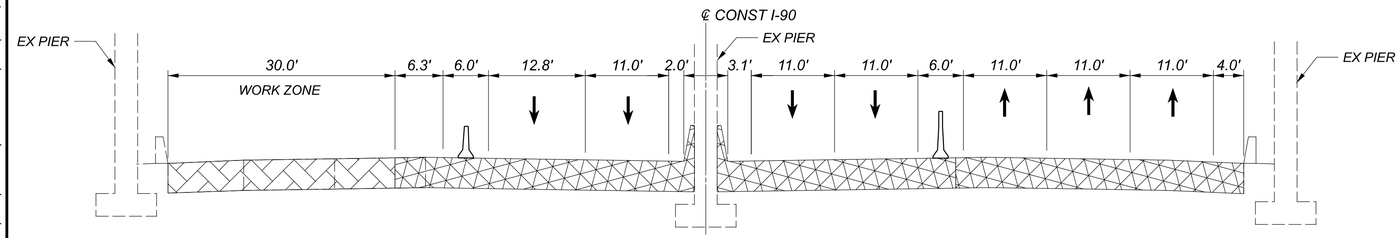


PHASE 5 STEP A - SECTION H-H
BR. NO. CUY-90-0749
OVER ROCKY RIVER VALLEY



CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)



PHASE 5 STEP A - SECTION I-I
UNDER BR. NO. CUY-90-0767
RIVERSIDE DR
STA 583+80

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 5A
STA 576+00 TO STA 588+503

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
DMS

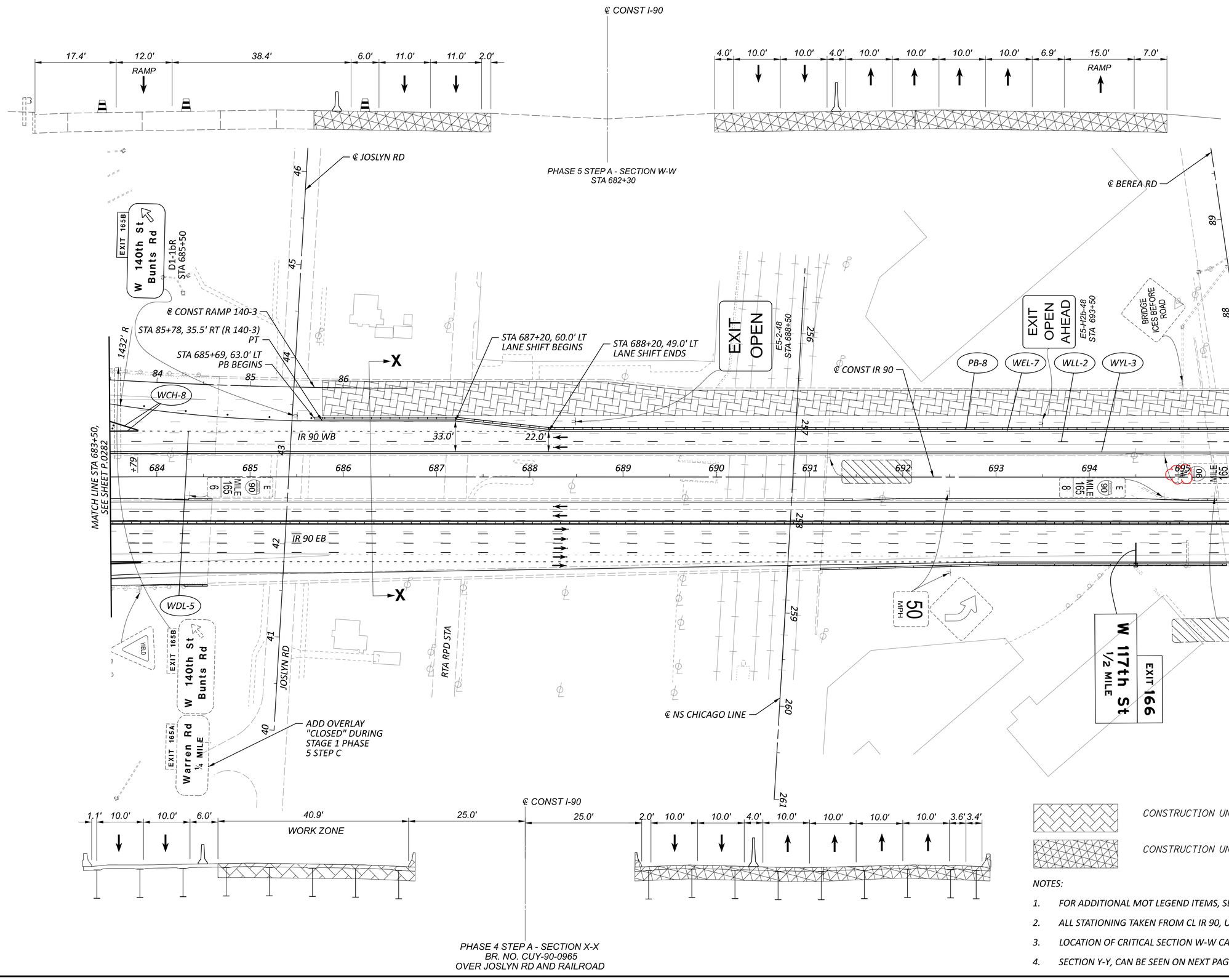
REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0274 | TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 07 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 2:58:10 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn



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 SEEN ON THE PREVIOUS PAGE.
4. SECTION Y-Y, CAN BE SEEN ON NEXT PAGE.

HORIZONTAL SCALE IN FEET
0 25 50 100

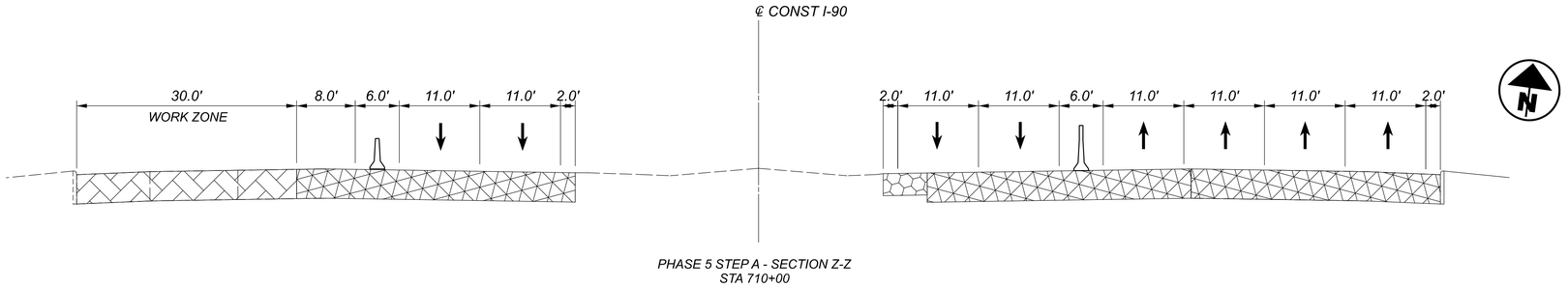
MAINTENANCE OF TRAFFIC PHASE 5A
STA 683+50 TO STA 696+00

DESIGN AGENCY
STRUCTUREPOINT LLC

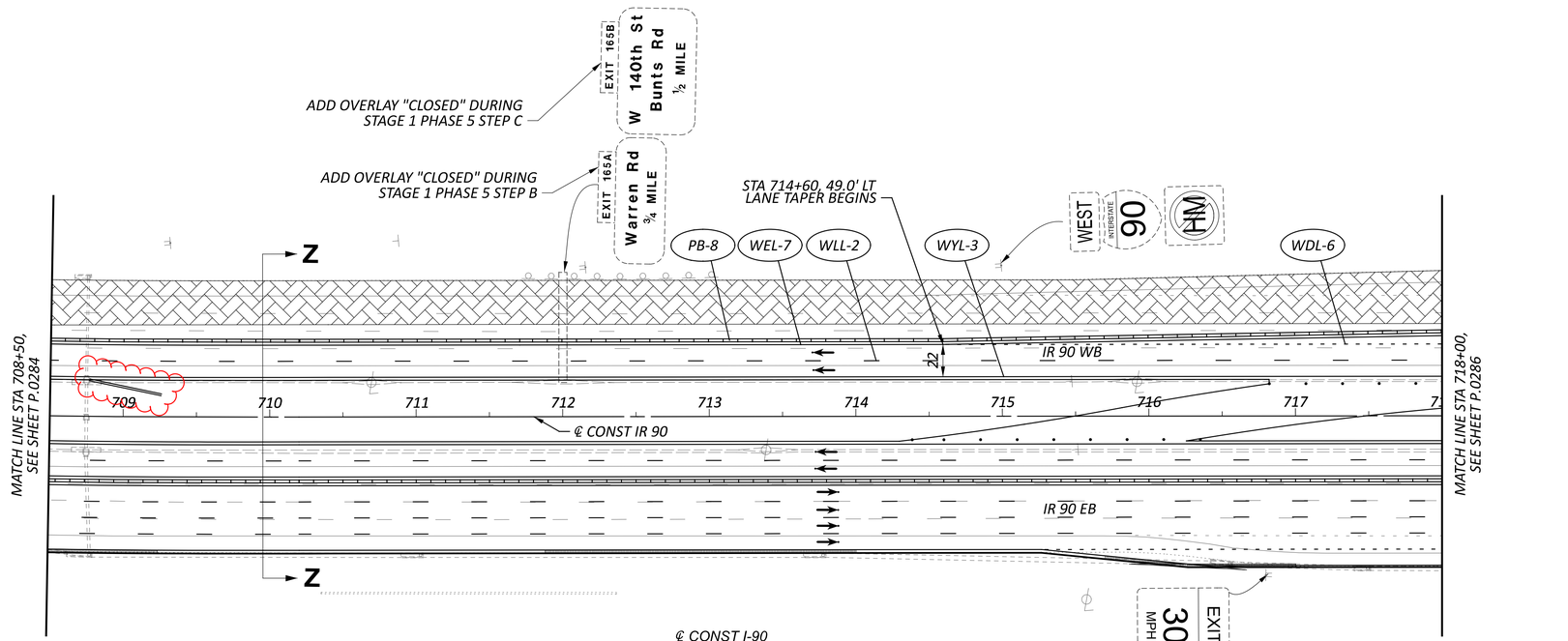
DESIGNER	DMS
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0283
TOTAL	P.1587

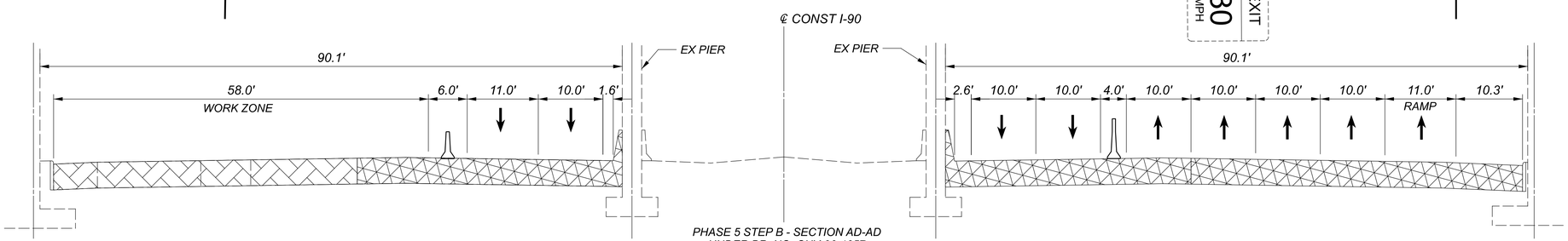
CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 3:02:51 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn



PHASE 5 STEP A - SECTION Z-Z
STA 710+00





PHASE 5 STEP B - SECTION AD-AD
UNDER BR. NO. CUY-90-1057
WEST 117TH ST

CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

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. FOR SECTION AD-AD LOCATION, SEE SHEET

HORIZONTAL SCALE IN FEET
0 25 50 100

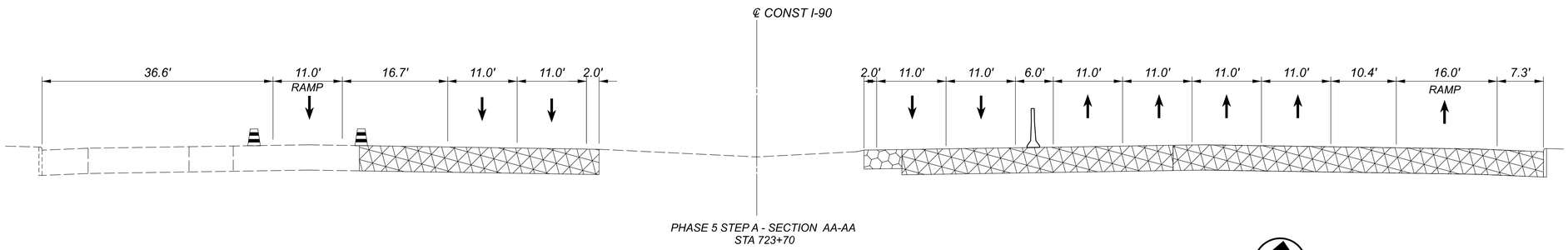
MAINTENANCE OF TRAFFIC PHASE 5A
STA 708+50 TO STA 718+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

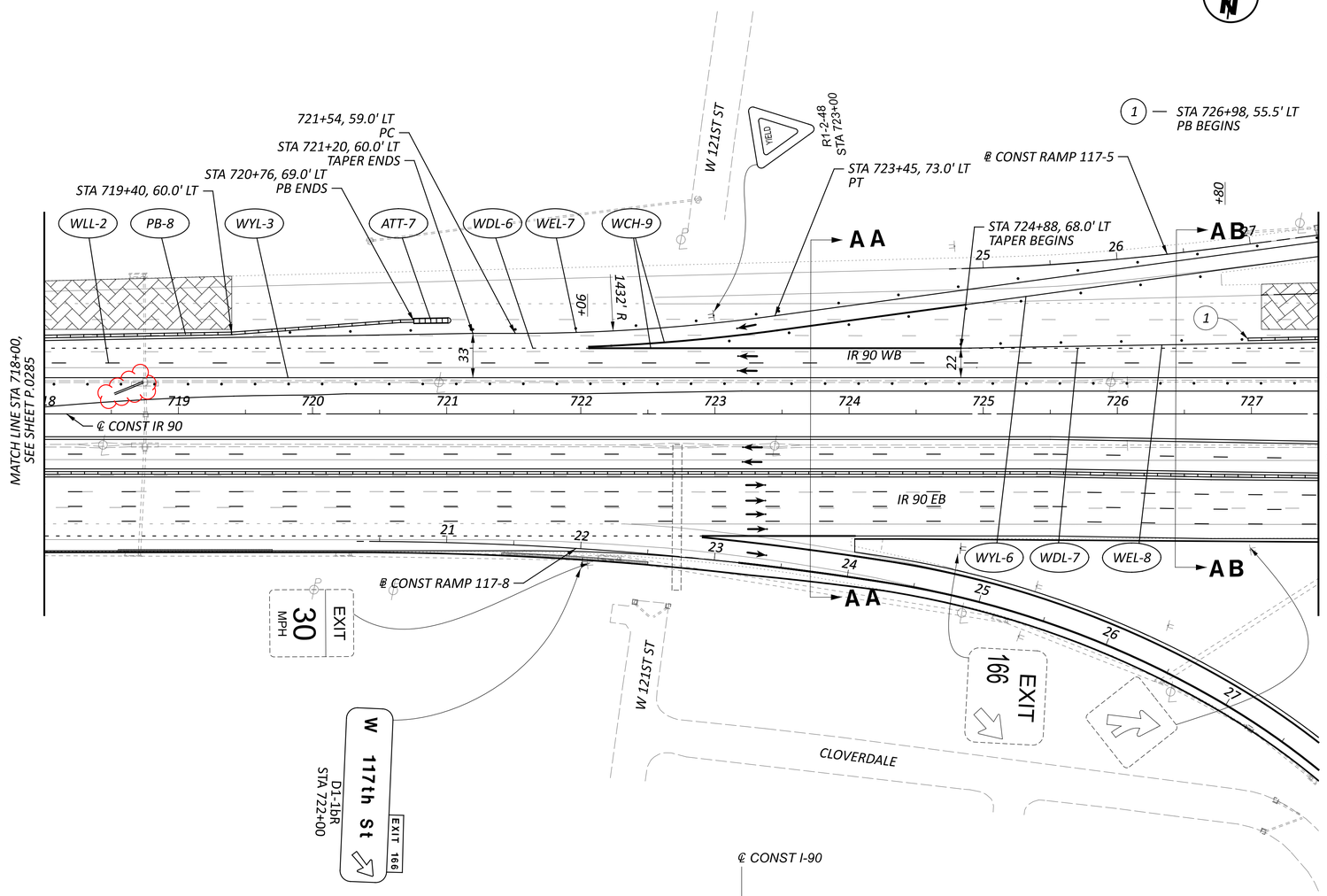
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0285 TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 18 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 3:03:48 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn



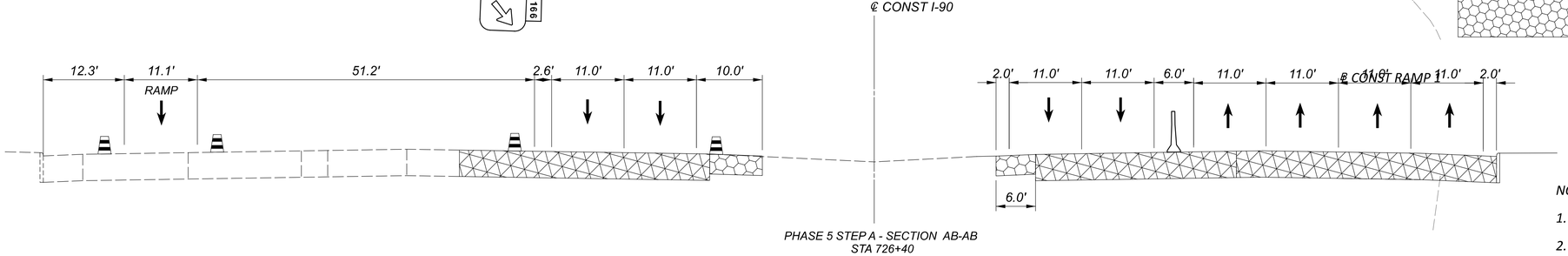
PHASE 5 STEP A - SECTION AA-AA
STA 723+70



CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

TEMPORARY CONSTRUCTION UNDER PREVIOUS PHASE(S)



PHASE 5 STEP A - SECTION AB-AB
STA 726+40

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 5A
STA 718+00 TO STA 727+50

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
DMS

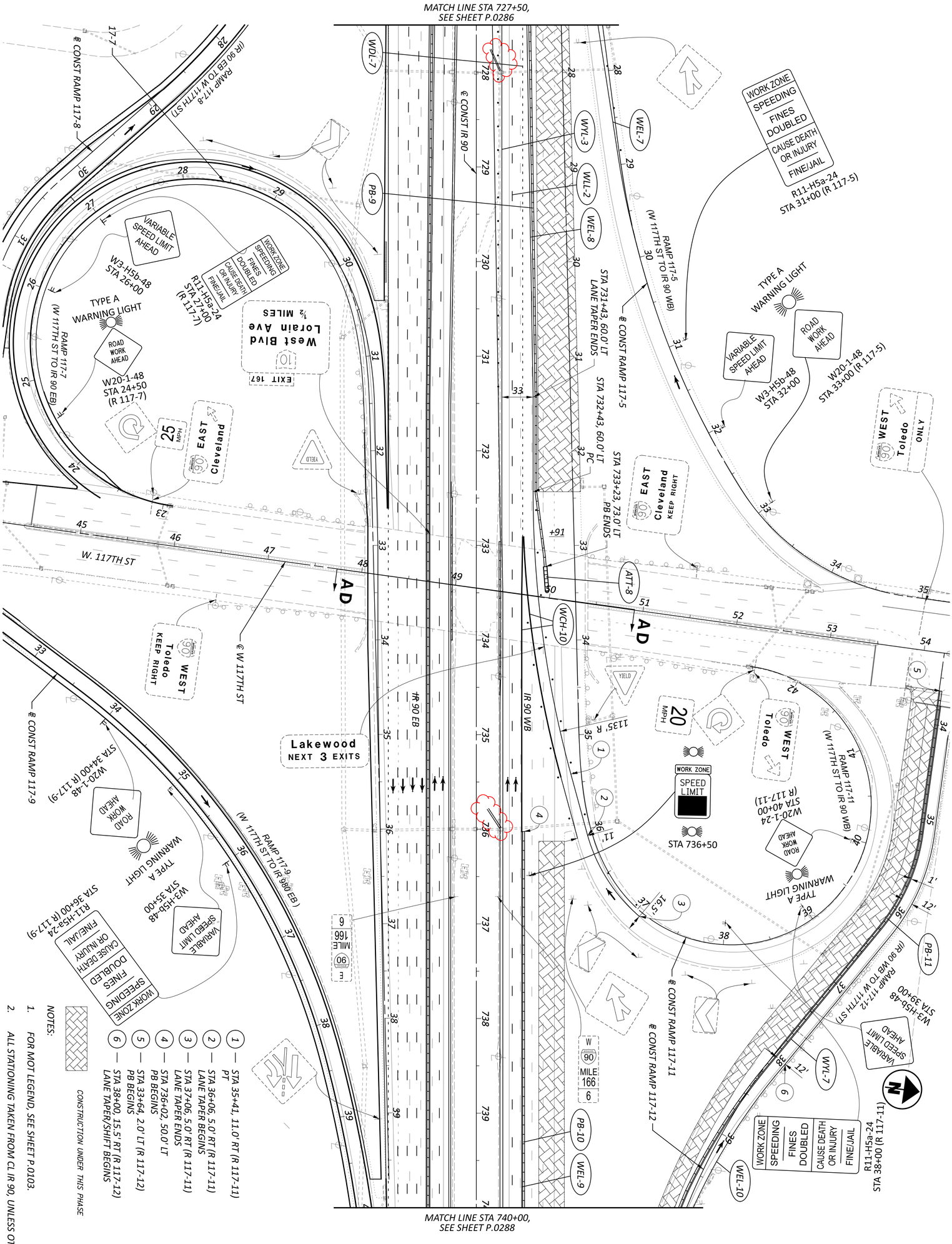
REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0286 TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 3:05:28 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP151.dgn



NOTES:

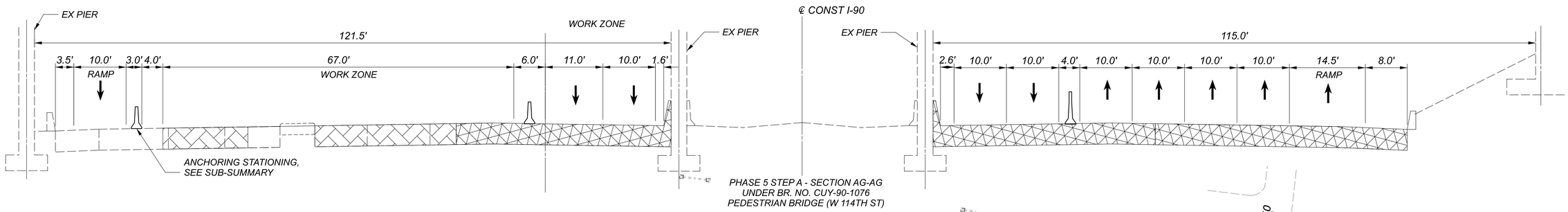
1. FOR MOT LEGEND, SEE SHEET P.0103.
2. ALL STATIONING TAKEN FROM CL IR 90, UNLESS OTHERWISE NOTED.
3. FOR SECTION AD-AD, SEE SHEET

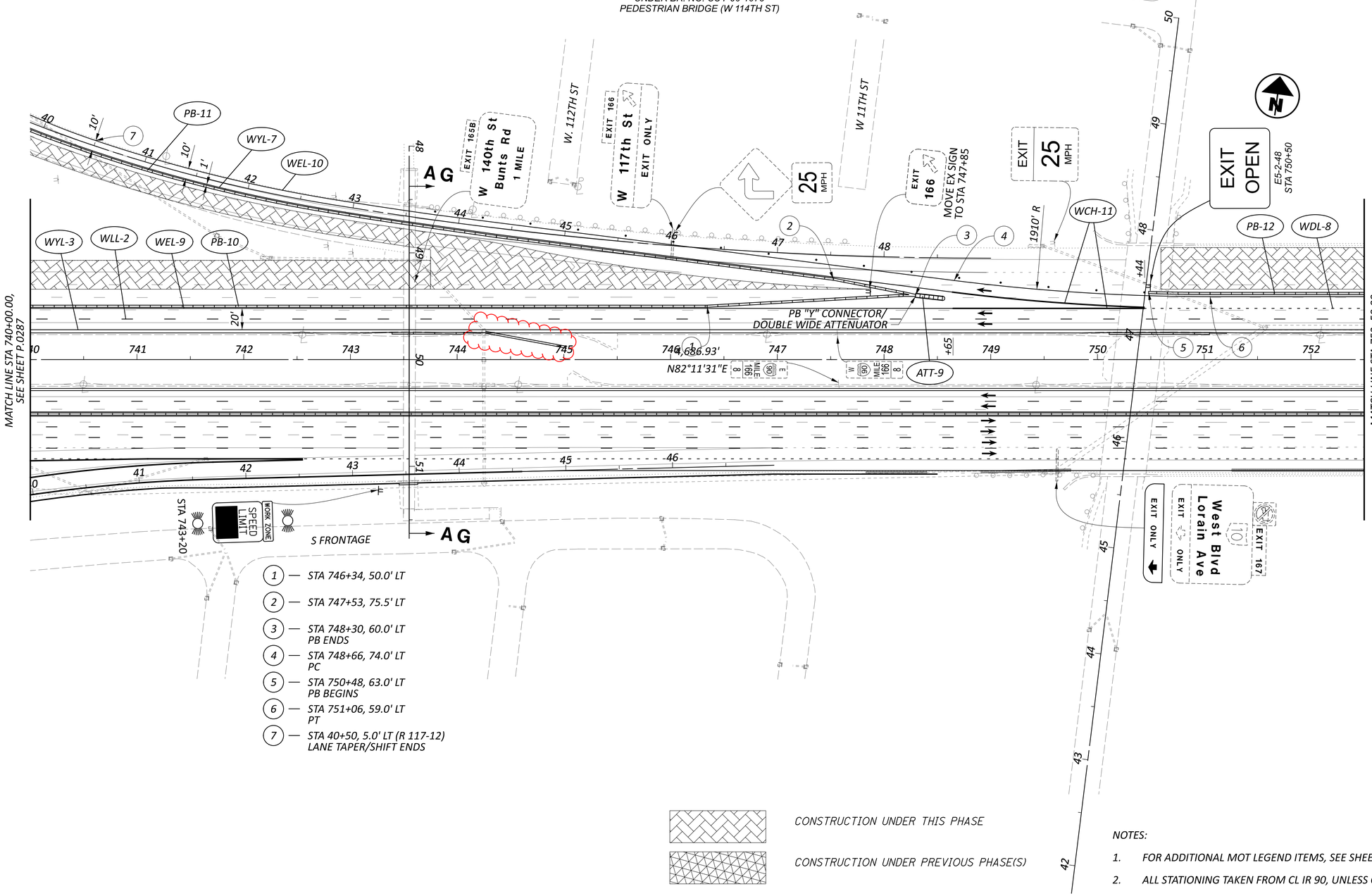
SHEET P.0287	TOTAL P.1587	PROJECT ID 76779	REVIEWER VDK 08/09/23	DESIGNER DMS

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

MAINTENANCE OF TRAFFIC PHASE 5A
STA 727+50 TO STA 740+00

HORIZONTAL SCALE IN FEET
0 25 50 100





1. — STA 746+34, 50.0' LT
2. — STA 747+53, 75.5' LT
3. — STA 748+30, 60.0' LT
   PB ENDS
4. — STA 748+66, 74.0' LT
   PC
5. — STA 750+48, 63.0' LT
   PB BEGINS
6. — STA 751+06, 59.0' LT
   PT
7. — STA 40+50, 5.0' LT (R 117-12)
   LANE TAPER/SHIFT ENDS

CONSTRUCTION UNDER THIS PHASE

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 5A
STA 740+00 TO STA 752+50

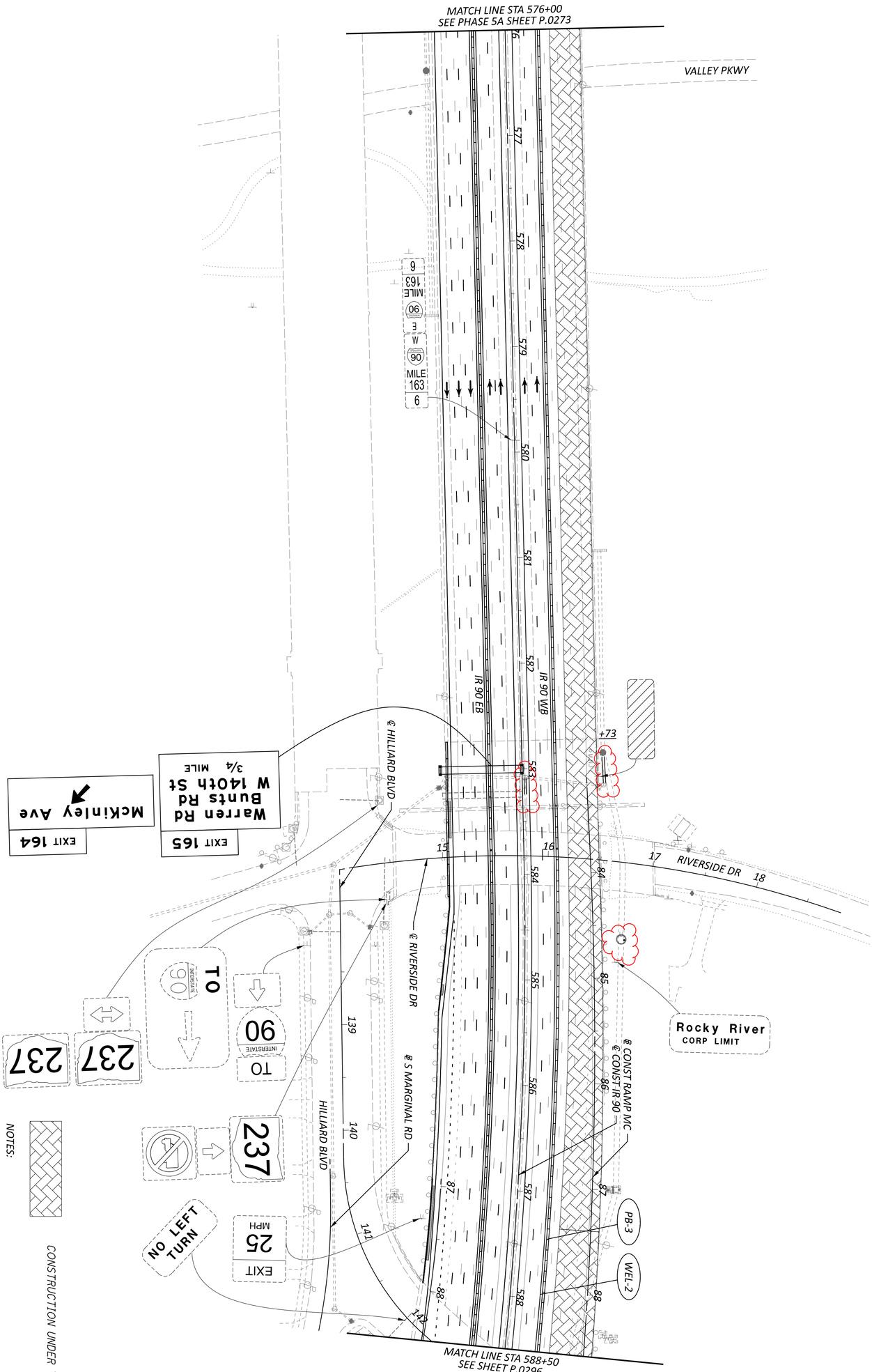
DESIGN AGENCY

DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0288 TOTAL P.1587

CUY-90-6.69

MODEL: MOT Plan Sheets - Plan 2(ISheet) PAPERSIZE: 34x22 (In.) DATE: 4/20/2025 TIME: 3:09:10 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\Y6779\400-Engineering\MOT\Sheets\Y6779_MPlSi.dgn

MODEL: S1P5B - Plan 07 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 3:28:57 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP152.dgn



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.

SHEET	TOTAL
P.0295	P.1587

PROJECT ID: 76779

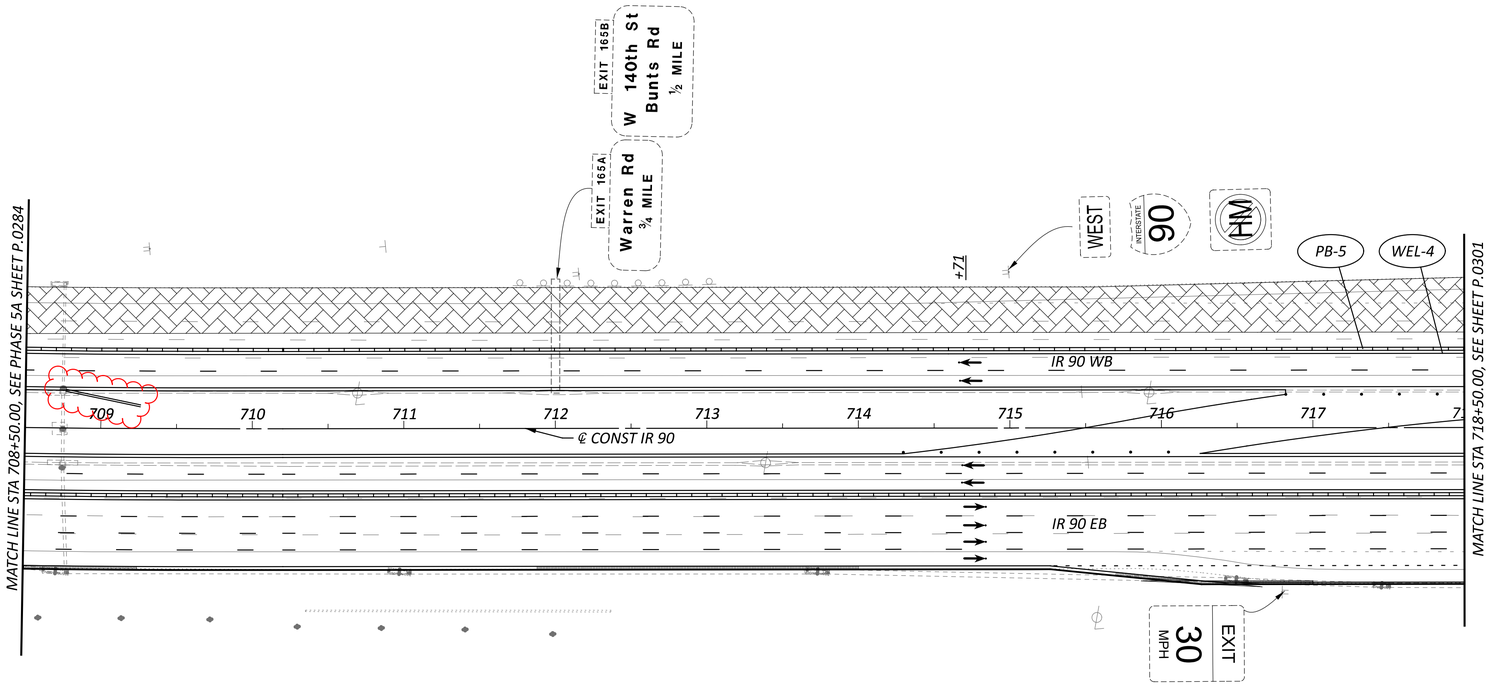
REVIEWER: VDK 08/09/23

DESIGNER: DMS

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

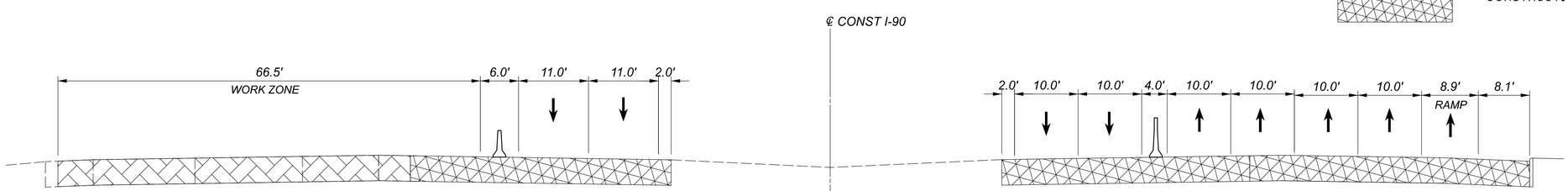
MAINTENANCE OF TRAFFIC PHASE 5B
STA 576+00 TO STA 588+50

HORIZONTAL SCALE IN FEET
0 50
25 100



CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)



STAGE 2 PHASE 5 STEP B - SECTION AE-AE
STA 735+75

NOTES:

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

HORIZONTAL
SCALE IN FEET
0 25 50 100

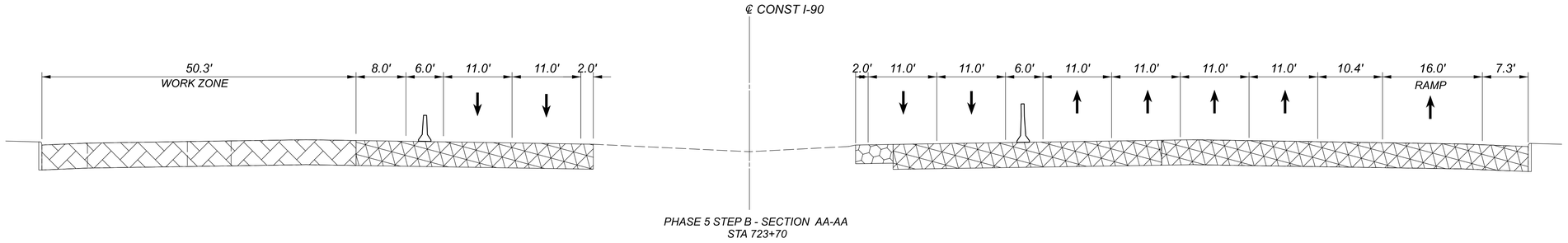
MAINTENANCE OF TRAFFIC PHASE 5B
STA 708+50 TO STA 718+00

DESIGN AGENCY

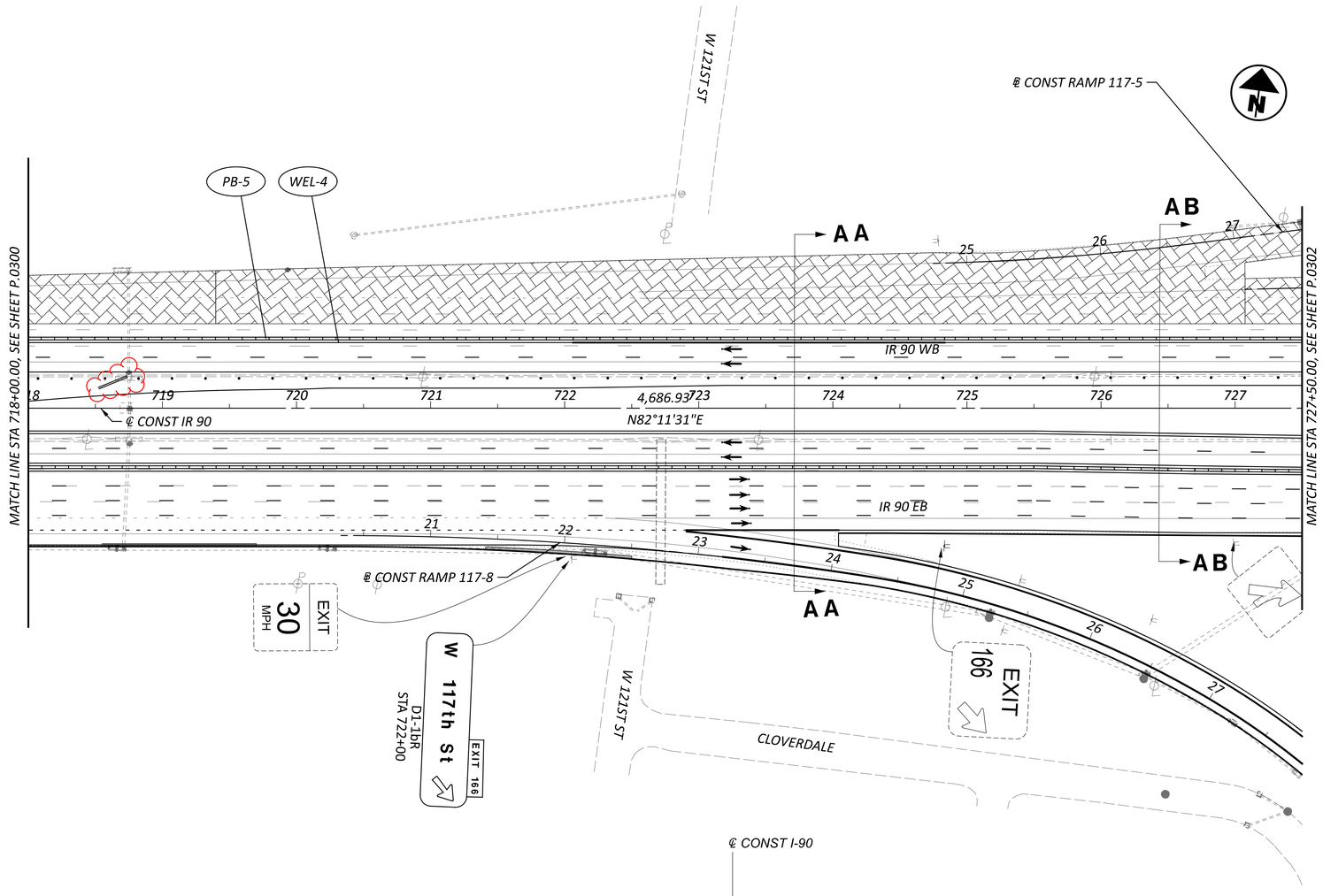
DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0300 TOTAL P.1587

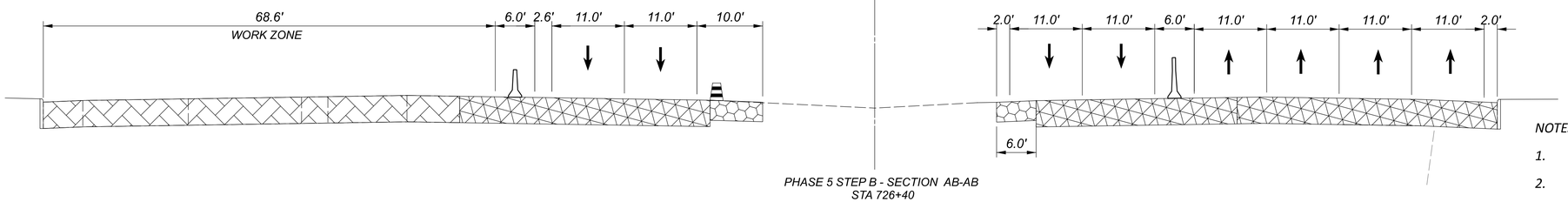
CUY-90-6.69

MODEL: SIP5B - Plan 18 [Sheet] PAPERSIZE: 34x22 (In.) DATE: 4/20/2025 TIME: 3:36:00 PM USER: sott
pw:\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\MOT\Sheets\76779_MPI52.dgn



PHASE 5 STEP B - SECTION AA-AA
STA 723+70





PHASE 5 STEP B - SECTION AB-AB
STA 726+40

CONSTRUCTION UNDER THIS PHASE

CONSTRUCTION UNDER PREVIOUS PHASE(S)

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 5B
STA 718+00 TO STA 727+50

DESIGN AGENCY

DESIGNER
DMS

REVIEWER
VDK 08/09/23

PROJECT ID
76779

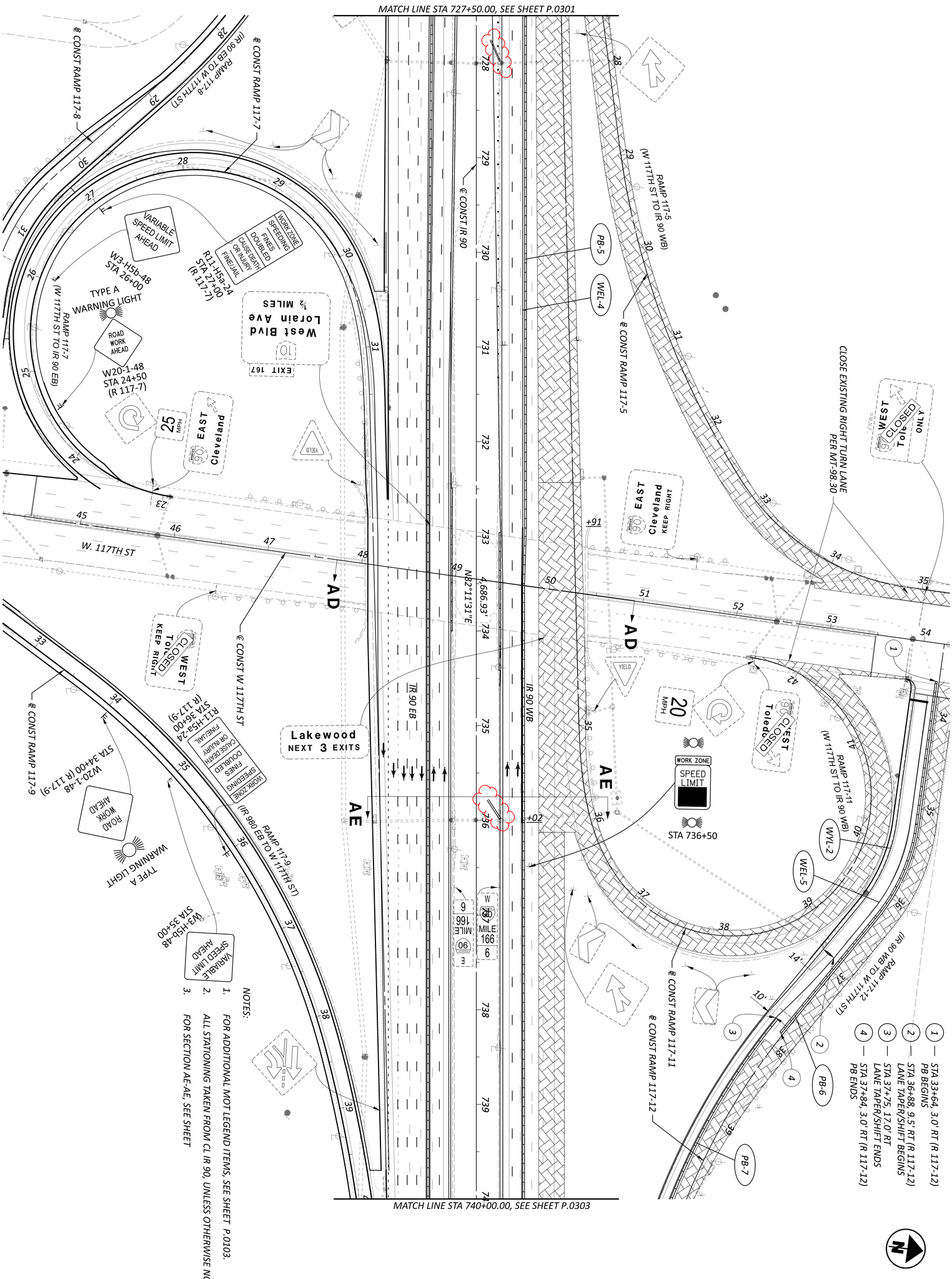
SHEET P.0301 TOTAL P.1587

CUY-90-6.69

MODEL: SIP5B - Plan 19 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 3:37:53 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\Y6779\400-Engineering\MOT\Sheets\Y6779_MPI52.dgn

CUY-90-6.69

MODEL: SIP5B - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 3:39:04 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP152.dgn



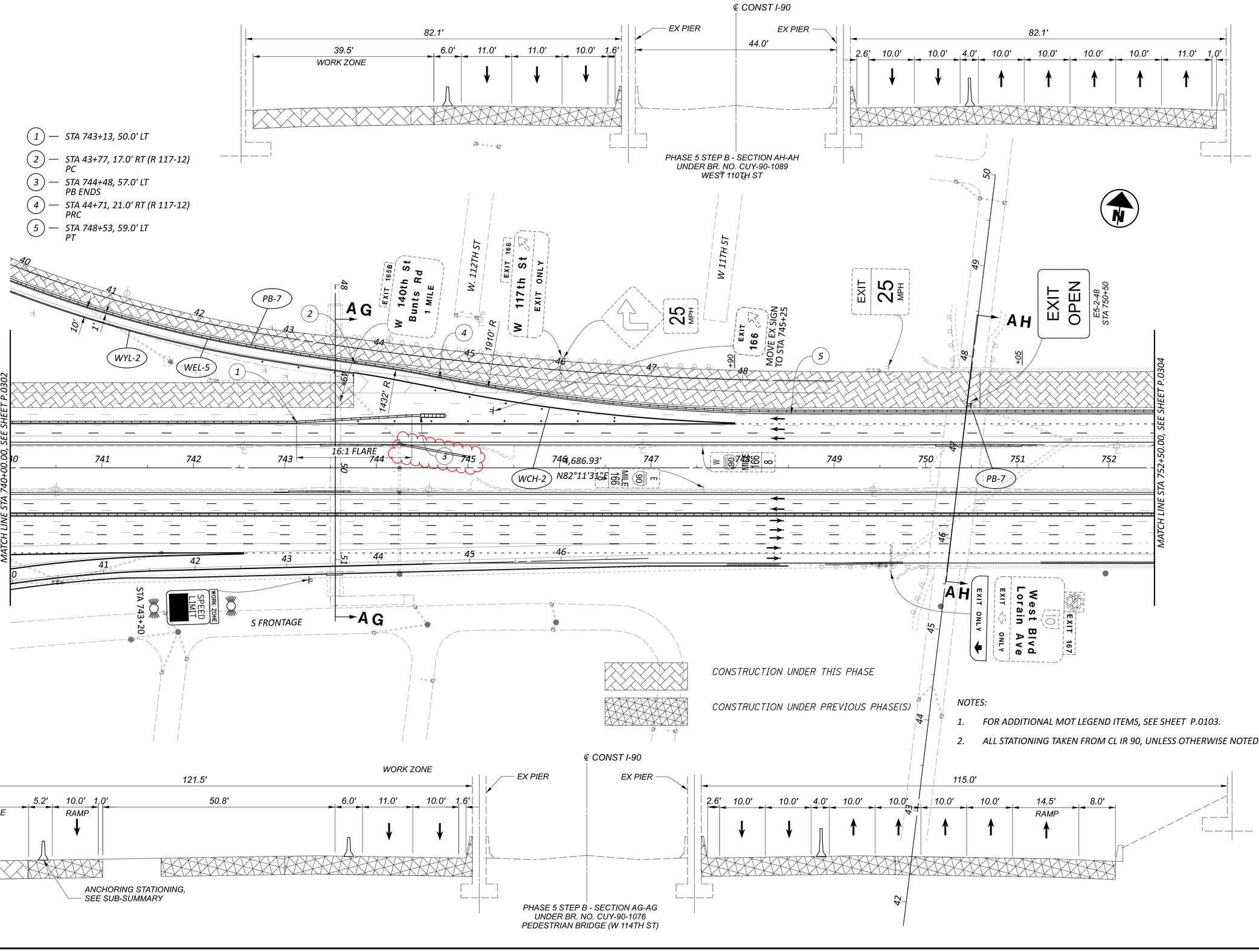
NOTES:

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

DESIGN AGENCY	DESIGNER DMS	REVIEWER VDK 08/09/23	PROJECT ID 76779
SHEET P.0302	TOTAL P.1587		

MAINTENANCE OF TRAFFIC PHASE 5B
STA 727+50 TO STA 740+00

HORIZONTAL SCALE IN FEET
0 25 50 100



HORIZONTAL SCALE IN FEET
0 25 50 100

MAINTENANCE OF TRAFFIC PHASE 5B
STA 740+00 TO STA 752+50

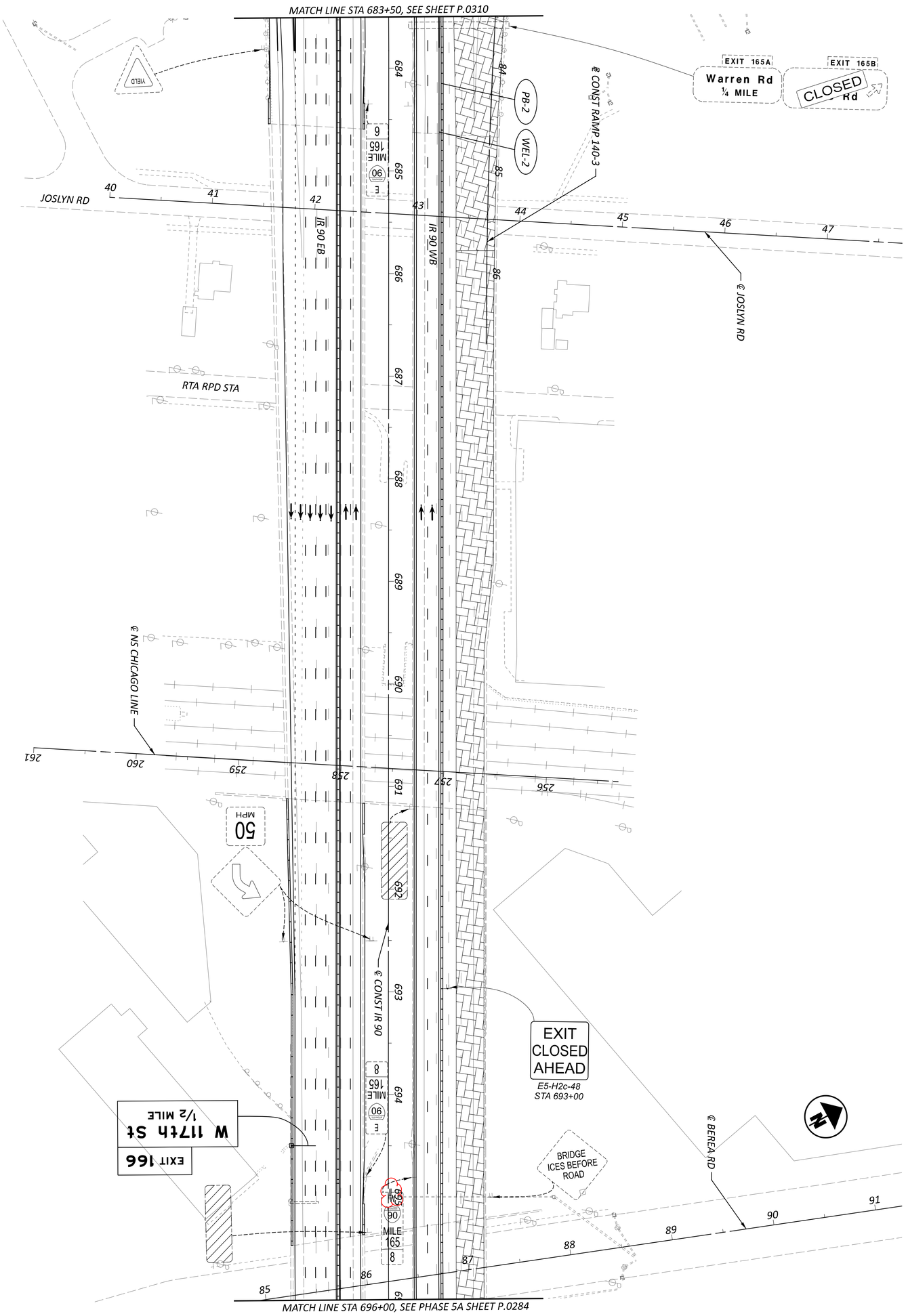
DESIGN AGENCY

DESIGNER DMS
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0303 TOTAL P.1587

CUY-90-6.69

MODEL: SIP5B - Plan 2[Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 3:41:43 PM USER: sott
pw:\\Structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\Y6779.400-Engineering\MOT\Sheets\Y6779_MPI52.dgn

MODEL: S1P5C - Plan 16 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 4:06:04 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP153.dgn



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.

MAINTENANCE OF TRAFFIC PHASE 5C
STA 683+50 TO STA 696+00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.0311	P.1587

PROJECT ID: 76779

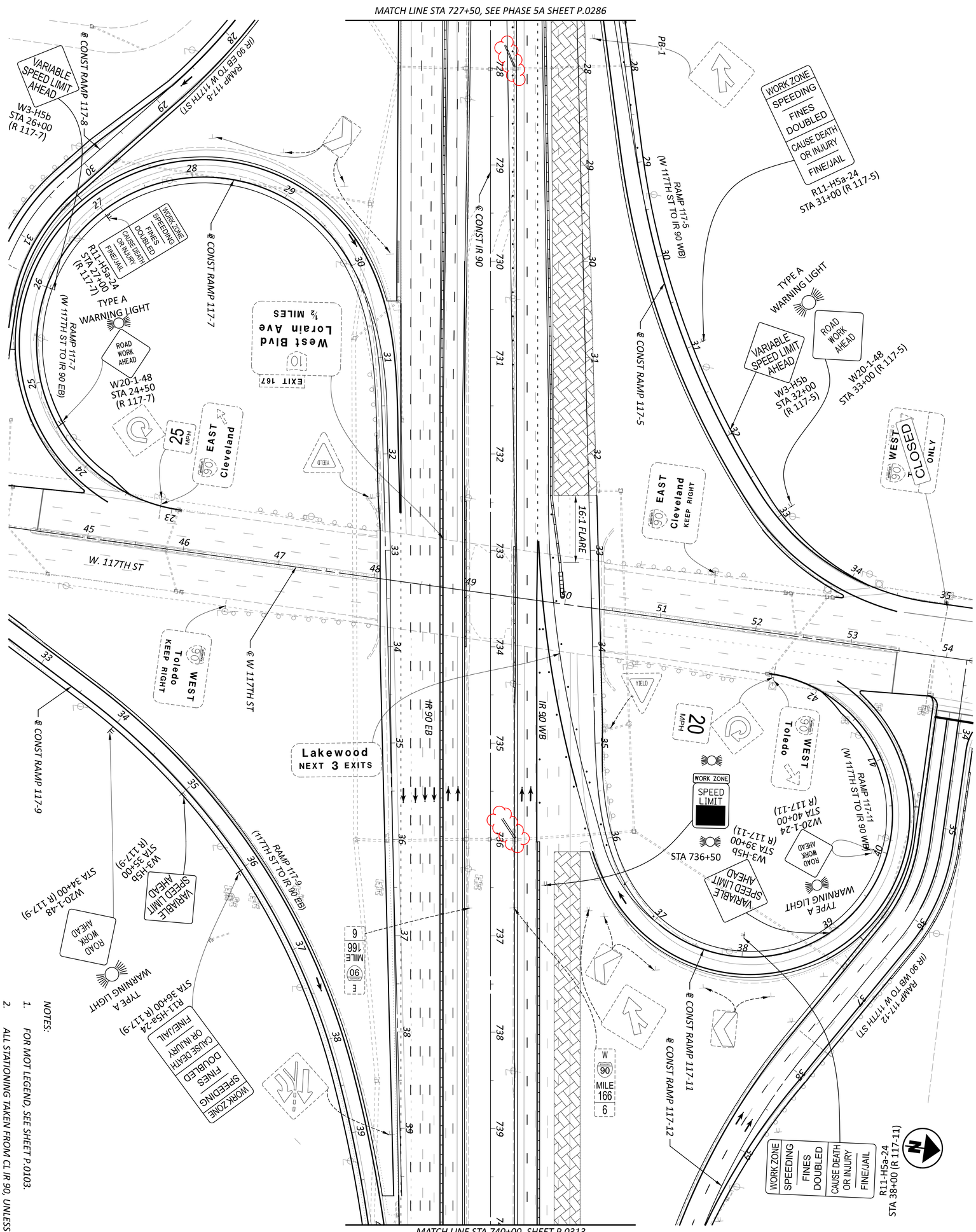
REVIEWER: VDK 08/09/23

DESIGNER: DMS

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

CUY-90-6.69

MODEL: S1P5C - Plan 20 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/20/2025 TIME: 4:07:41 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MP153.dgn



NOTES:

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

SHEET	TOTAL
P.0312	P.1587

PROJECT ID: 76779

REVIEWER: VDK 08/09/23

DESIGNER: DMS

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

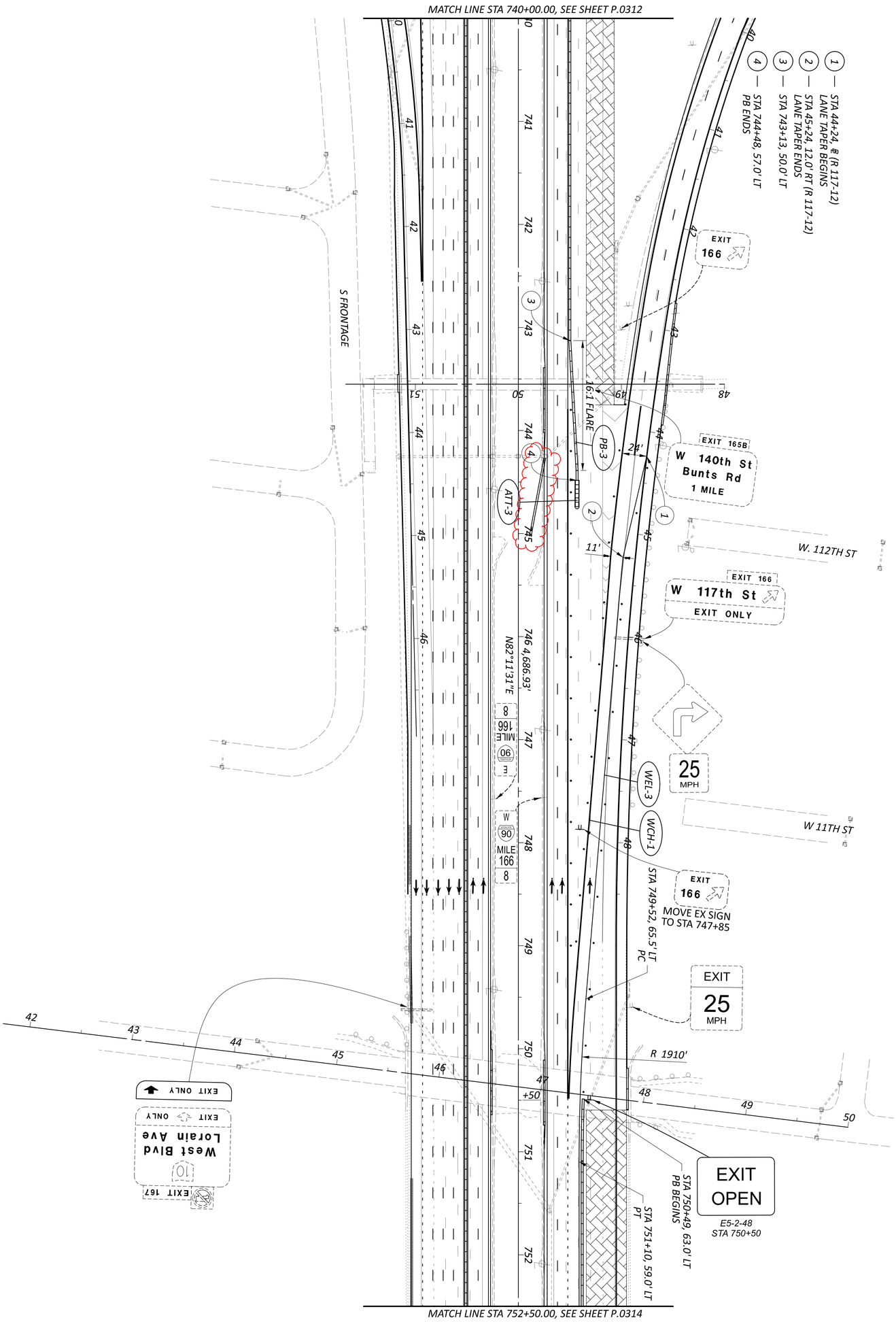
MAINTENANCE OF TRAFFIC PHASE 5C
STA 727+50 TO STA 740+00

HORIZONTAL SCALE IN FEET

0 50

25 100

MODEL: SIP5C - Plan 2(Sheet) PAPERSIZE: 34x22 (In.) DATE: 4/20/2025 TIME: 4:09:41 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\MOT\Sheets\76779_MPI53.dgn



MAINTENANCE OF TRAFFIC PHASE 5C
STA 740+00 TO STA 752+00

HORIZONTAL SCALE IN FEET
0 50
25 100

SHEET	TOTAL
P.0313	P.1587

PROJECT ID 76779

REVIEWER VDK 08/09/23

DESIGNER DMS

DESIGN AGENCY

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
10	47	48	335	338	341	346	347	371			01/IMS/04	02/IMS/13	03/IMS/13						
																		ROADWAY CONT.	
				3,444							3,444			608	10000	3,444	SF	4" CONCRETE WALK	
				2,178							2,178			608	52000	2,178	SF	CURB RAMP	
				458							458			608	53020	458	SF	DETECTABLE WARNING	
			5,198								5,198			622	10101	5,198	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN	P.0054
			248								248			622	10101	248	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN (2)	P.0054
			127								127			622	10121	127	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN	P.0055
			3,154								3,154			622	10141	3,154	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN	P.0054
			199								199			622	10141	199	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN (2)	P.0054
			990								990			622	10160	990	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D	
			1,739								1,739			622	10161	1,739	FT	CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN	P.0055
			23								23			622	25000	23	EACH	CONCRETE BARRIER END SECTION, TYPE D	
			1								1			622	25001	1	EACH	CONCRETE BARRIER END SECTION, TYPE D, AS PER PLAN	P.0046
			44								44			622	25006	44	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1	
			3								3			622	25007	3	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1, AS PER PLAN	P.0046
			1								1			622	25008	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C	
			30								30			622	25014	30	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1	
			1								1			622	25015	1	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN	P.0046
			27								27			622	25050	27	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D	
			2								2			622	25051	2	EACH	CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN	P.0046
			30								30			622	90000	30	FT	BARRIER, MISC.: PORTABLE BARRIER REMOVED AND RESET	P.0046
20											20			623	38500	20	EACH	**MONUMENT ASSEMBLY, TYPE C**	
																		EROSION CONTROL	
			181								181			601	21000	181	SY	CONCRETE SLOPE PROTECTION	
		160				7.12					167.12			601	21050	167.12	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
	2										2			659	00100	2	EACH	SOIL ANALYSIS TEST	
	16,091						1,608				17,699			659	00300	17,699	CY	TOPSOIL	
					126,079						126,079			659	00510	126,079	SY	SEEDING AND MULCHING, CLASS 2	
					17,719						17,719			659	00520	17,719	SY	SEEDING AND MULCHING, CLASS 3A	
					11,685						11,685			659	00530	11,685	SY	SEEDING AND MULCHING, CLASS 3B	
	7,248										7,248			659	14000	7,248	SY	REPAIR SEEDING AND MULCHING	
	7,248										7,248			659	15000	7,248	SY	INTER-SEEDING	
	33										33			659	20000	33	TON	COMMERCIAL FERTILIZER	
	30										30			659	31000	30	ACRE	LIME	
	822										822			659	35000	822	MGAL	WATER	
	326										326			659	40000	326	MSF	MOWING	
							14,216				14,216			670	00500	14,216	SY	SLOPE EROSION PROTECTION	
							11,691				11,691			670	00720	11,691	SY	DITCH EROSION PROTECTION MAT, TYPE B	
	160										160			SPECIAL	69065000	160	TON	WORK INVOLVING NON-REGULATED MATERIALS	P.0047
	80										80			SPECIAL	69065010	80	TON	WORK INVOLVING SOLID WASTE	P.0047
	80										80			SPECIAL	69065016	80	TON	WORK INVOLVING PETROLEUM CONTAMINATED SOIL	P.0047
	50,000										50,000			SPECIAL	69065022	50,000	GAL	WORK INVOLVING NON-REGULATED WATER	P.0047
	50,000										50,000			SPECIAL	69065024	50,000	GAL	WORK INVOLVING REGULATED WATER	P.0047
								LS			LS			832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
								LS			LS			832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
								LS			LS			832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
								800,000			800,000			832	30000	800,000	EACH	EROSION CONTROL	
							444				444			836	10000	444	SY	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1	

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 4/19/2025 TIME: 3:58:40 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GG001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0317 TOTAL P.1587

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
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	
		68									68			611	04400	68	FT	12" CONDUIT, TYPE B	
		68									68			611	04600	68	FT	12" CONDUIT, TYPE C	
		6,330									6,330			611	05900	6,330	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	
		630									630			611	07400	630	FT	18" CONDUIT, TYPE B	
	60										60			611	07401	60	FT	18" CONDUIT, TYPE B, AS PER PLAN	P.0063
		40									40			611	07600	40	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
		758									758			611	10400	758	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
		763									763			611	16600	763	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
		466									466			611	23800	466	FT	60" CONDUIT, TYPE B	
	50										50			611	25401	50	LF	66" CONDUIT, TYPE C, AS PER PLAN	P.0063
		441									441			611	96600	441	FT	CONDUIT, BORED OR JACKED, 15", TYPE B	
		141									141			611	96600	141	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	
		155									155			611	96600	155	FT	CONDUIT, BORED OR JACKED, 42", TYPE B	
		310									310			611	96600	310	FT	CONDUIT, BORED OR JACKED, 54", TYPE C	
		33									33			611	16400	33	FT	36" CONDUIT, TYPE B	
		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: 4/21/2025 TIME: 12:21:28 PM USER: jsima
pw:\pw-pwprod-pw.bentley.com:structurepoint-Prod-01\Documents\Projects\2020006\76779\406-Engineering\Roadway\Sheets\76779_GG001.dgn

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
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
		10,745									10,745			611	97400	10,745	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
		2,877									2,877			611	97400	2,877	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
		183									183			611	97400	183	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	
		92									92			611	99574	92	EACH	MANHOLE, NO. 3	
		21									21			611	99575	21	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

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0319 TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 4 PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 12:42:58 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GG001.dgn

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	50	51	61	66	337	1290					01/IMS/04	02/IMS/13	03/IMS/13						
																		PAVEMENT	
	2,000										2,000			251	01020	2,000	SY	PARTIAL DEPTH PAVEMENT REPAIR (442)	
16,847				15,381							32,228			254	01000	32,228	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5"	
			6,000								6,000			254	01000	6,000	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3"	
89,922											89,922			302	56001	89,922	CY	ASPHALT CONCRETE BASE, (449), AS PER PLAN, PG 64-22, 25.0 MM GYRATORY MIX	P.0049
111,594											111,594			304	20000	111,594	CY	AGGREGATE BASE	
63,641			660	847							65,148			407	10000	65,148	GAL	TACK COAT	
671											671			441	10101	671	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (446), AS PER PLAN, PG 70-22M	P.0049
			500	641							1,141			441	70101	1,141	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), AS PER PLAN, PG64-22	P.0061
					726						726			441	70801	726	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (449), (UNDER GUARDRAIL), AS PER PLAN	P.0050
18,367											18,367			442	10080	18,367	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 12.5 MM, TYPE A (446)	
15,807											15,807			442	10301	15,807	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (447), AS PER PLAN, PG 76-22M	P.0050
42											42			442	22101	42	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (449), AS PER PLAN, PG76-22M	P.0050
49,422											49,422			452	14122	49,422	SY	11.5" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P WITH QC/QA	
159											159			609	14000	159	FT	CURB, TYPE 2-A	
34											34			609	23001	34	FT	COMBINATION CURB AND GUTTER, TYPE 4, AS PER PLAN	P.0046
18,952											18,952			609	24000	18,952	FT	CURB, TYPE 4-A	
31,848											31,848			609	24510	31,848	FT	CURB, TYPE 4-C	
950											950			609	50000	950	SY	4" CONCRETE TRAFFIC ISLAND	
	16.79										16.79			618	40601	16.79	MILE	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE), AS PER PLAN	P.0050
																		WATER WORK	
		170									170			638	07310	170	FT	24" STEEL PIPE ENCASEMENT, BORED OR JACKED	
		2									2			638	98000	2	EACH	WATER WORK, MISC.: 12" X 12" TAPPING SLEEVE, VALVE AND VALVE BOX, CITY OF LAKEWOOD	P.0051
		238									238			638	98600	238	FT	WATER WORK, MISC.: 12" WATER MAIN DUCTILE IRON PIPE ANSI CLASS 56, MECHANICAL JOINTS AND FITTINGS, CITY OF LAKEWOOD	P.0051
																		LIGHTING	
						423					423			625	00450	423	EACH	CONNECTION, FUSED PULL APART	
						207					207			625	00480	207	EACH	CONNECTION, UNFUSED PERMANENT	
						58					58			625	10494	58	EACH	LIGHT POLE, LOW MAST, ALM50	
						142					142			625	10494	142	EACH	LIGHT POLE, LOW MAST, ATLM50	
						40					40			625	10614	40	EACH	LIGHT POLE ANCHOR BOLTS ON STRUCTURE	
						1					1			625	14000	1	EACH	LIGHT POLE FOUNDATION, 24" X 6' DEEP	
						142					142			625	14200	142	EACH	LIGHT POLE FOUNDATION, 24" X 10' DEEP	
						48					48			625	14307	48	EACH	MEDIAN LIGHT POLE FOUNDATION, 10' DEEP, AS PER PLAN	P.1309
						75,825					75,825			625	23200	75,825	FT	NO. 4 AWG 2400 VOLT DISTRIBUTION CABLE	
						30,150					30,150			625	23400	30,150	FT	NO. 10 AWG POLE AND BRACKET CABLE	
						43,650					43,650			625	24320	43,650	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 2400 VOLT CABLES	
						749					749			625	25300	749	FT	CONDUIT, 1-1/2", 725.04	
						950					950			625	25304	950	FT	CONDUIT, 1-1/2", 725.051	
						3,729					3,729			625	25408	3,729	FT	CONDUIT, 2", 725.051	
						3,746					3,746			625	25902	3,746	FT	CONDUIT, JACKED OR DRILLED, 725.04, 3"	
						200					200			625	26273	200	EACH	LUMINAIRE, LOW MAST, SOLID STATE (LED), AS PER PLAN, 480V	P.1310
						11					11			625	27503	11	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, 480V	P.1310
						4					4			625	27503	4	EACH	LUMINAIRE, UNDERPASS, SOLID STATE (LED), AS PER PLAN, CPP FIXTURE	P.1310
						32,377					32,377			625	29000	32,377	FT	TRENCH	
						14					14			625	29900	14	EACH	JUNCTION BOX	
						8					8			625	29930	8	EACH	MEDIAN JUNCTION BOX	
						56					56			625	30700	56	EACH	PULL BOX, 725.08, 18"	
						16					16			625	30706	16	EACH	PULL BOX, 725.08, 24"	
						3					3			625	30731	3	EACH	PULL BOX, 725.08, 48", TYPE 1, AS PER PLAN	P.1310
						1					1			625	31510	1	EACH	PULL BOX REMOVED	
						191					191			625	32000	191	EACH	GROUND ROD	
						3					3			625	33001	3	EACH	STRUCTURE GROUNDING SYSTEM, AS PER PLAN	P.1310
						7					7			625	34001	7	EACH	POWER SERVICE, AS PER PLAN	P.1309
						2					2			625	34450	2	EACH	CONTROL CENTER CABINET, COMPLETE	

R1 R3 R1 R3 R1 R3 R1 R8

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 5 PAPERSIZE: 34x22 (in.) DATE: 4/22/2025 TIME: 2:05:51 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779400-Engineering\Roadway\Sheets\76779_GG001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0320 TOTAL P.1587

SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	335	337	1268	1270	1290	1165	1173	1184			01/IMS/04	02/IMS/13	03/IMS/13						
																		LIGHTING CONT.	
					1						1			625	35010	1	EACH	REMOVE AND REERECT EXISTING LIGHT POLE	
					32,377						32,377			625	36010	32,377	FT	UNDERGROUND WARNING/MARKING TAPE	
					6						6			625	37100	6	EACH	SERVICE TO UNDERPASS LIGHTING	
					1						1			625	37101	1	EACH	SERVICE TO UNDERPASS LIGHTING, AS PER PLAN	P.1309
					9						9			625	39520	9	EACH	PULL BOX CLEANED	
					LS						LS			SPECIAL	62540000	LS		MAINTAIN EXISTING LIGHTING	P.1310
					59						59			625	75350	59	EACH	LIGHT TOWER REMOVED	
					110						110			625	75400	110	EACH	LIGHT POLE REMOVED	
					65						65			625	75500	65	EACH	LIGHT POLE FOUNDATION REMOVED	
					11						11			625	75540	11	EACH	LIGHT TOWER FOUNDATION REMOVED	
					31						31			625	75800	31	EACH	DISCONNECT CIRCUIT	
					14						14			625	98000	14	EACH	LIGHTING, MISC.: CONNECT PROPOSED CIRCUIT TO EXISTING CIRCUIT	P.1310
					13						13			625	98000	13	EACH	LIGHTING, MISC.: CONNECT PROPOSED CIRCUIT TO EXISTING CONTROL CENTER	P.1310
					3						3			625	98000	3	EACH	LIGHTING, MISC.: DISCONNECT EXISTING WIRES FROM EXISTING CONTROL CENTER	P.1310
					7						7			625	98000	7	EACH	LIGHTING, MISC.: TEST NEW CIRCUITS	P.1310
																		TRAFFIC SURVEILLANCE	
				160							160			625	25102	160	FT	CONDUIT, 1", 725.05	
				40							40			625	25402	40	FT	CONDUIT, 2", 725.05	
				108							108			625	25600	108	FT	CONDUIT, 4", 725.04	
				1,050							1,050			625	25908	1,050	FT	CONDUIT, JACKED OR DRILLED, 725.052, 2"	
				222							222			625	25908	222	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"	
				108							108			625	29002	108	FT	TRENCH, 24" DEEP	
				40							40			625	29010	40	FT	TRENCH, 30" DEEP	
				21							21			625	29931	21	EACH	MEDIAN JUNCTION BOX, AS PER PLAN	P.1268
				2							2			625	30700	2	EACH	PULL BOX, 725.08, 18"	
				6							6			625	30711	6	EACH	PULL BOX, 725.08, 32", AS PER PLAN	P.1268
				148							148			625	36010	148	FT	UNDERGROUND WARNING/MARKING TAPE	
				45,384							45,384			809	20000	45,384	FT	MICRO-DUCT PATHWAY, 1 CELL 14/10	
			LS								LS			809	70000	LS		MAINTAINING ITS DURING CONSTRUCTION	
				LS							LS			809	70050	LS		AS-BUILT CONSTRUCTION PLANS	
																		TRAFFIC CONTROL	
						11					11			620	60000	11	EACH	DELINEATOR, POST SURFACE MOUNTED	
						2,318					2,318			621	00100	2,318	EACH	RPM	
2,312											2,312			621	54000	2,312	EACH	RAISED PAVEMENT MARKER REMOVED	
								35			35			625	32000	35	EACH	GROUND ROD	
		377	1								378			626	00102	378	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
			396								396			626	00116	396	EACH	BARRIER REFLECTOR, TYPE 5, ONE WAY	
								528.6			528.6			630	02100	528.6	FT	GROUND MOUNTED SUPPORT, NO. 2 POST	
								2,605.4			2,605.4			630	03100	2,605.4	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
								1,150			1,150			630	04100	1,150	FT	GROUND MOUNTED SUPPORT, NO. 4 POST	
								194.9			194.9			630	06400	194.9	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, S4X7.7	
								351.3			351.3			630	06500	351.3	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W6X9	
								75.6			75.6			630	07600	75.6	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W10X12	
								3			3			630	08004	3	FT	ONE WAY SUPPORT, NO. 3 POST	
								185			185			630	08600	185	EACH	SIGN POST REFLECTOR	
								28			28			630	09000	28	EACH	BREAKAWAY STRUCTURAL BEAM CONNECTION	
								2			2			630	72110	2	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-9.11, DESIGN 2	
								2			2			630	72320	2	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 6	
								3			3			630	72330	3	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 10	
								12			12			630	72340	12	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-12.31, DESIGN 12	
								8			8			630	72420	8	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-15.116, DESIGN 2	
								1			1			630	72530	1	EACH	OVERHEAD SIGN SUPPORT, TYPE TC-16.22, DESIGN 9	

R1 R8 R3 R8 R3

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 6 PAPERSIZE: 34x22 (in.) DATE: 4/22/2025 TIME: 12:47:09 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GG001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0321 TOTAL P.1587

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
							1,332				1,332			611	97010	1,332	FT	**MAINTENANCE OF TRAFFIC** SLOTTED DRAIN, TYPE 2, 15"	
					2,000						2,000			614	11110	2,000	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
				267,800							267,800			614	11630	267,800	FT	INCREASED BARRIER DELINEATION	
							52				52			614	12380	52	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	
							12,306				12,306			614	12801	12,306	EACH	WORK ZONE RAISED PAVEMENT MARKER, AS PER PLAN	P.0060
					250	180					430			614	13000	430	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
							5,937				5,937			614	13310	5,937	EACH	BARRIER REFLECTOR, TYPE 1, ONE WAY	
							5,937				5,937			614	13350	5,937	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	
							120.48				120.48			614	22056	120.48	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	
							117,971				117,971			614	23110	117,971	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 R4 R6 R7 R8

GENERAL SUMMARY

CUY-90-6.69

MODEL: Sheet 15 PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 7:40:58 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GQ001.dgn

DESIGN AGENCY: STRUCTUREPOINT INC.
DESIGNER: BER
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0327 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	
							61,380	R8			61,380			614	24102	61,380	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	R8		615	20000	32,367	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
			353			R8					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	
							44,656				44,656			622	41011	44,656	FT	PORTABLE BARRIER, 50", AS PER PLAN	P.0057
						R8	7	R7			7	R8		622	41060	7	EACH	DUAL PORTABLE BARRIER TRANSITION/TERMINATION	
							176,051				176,051			622	41100	176,051	FT	PORTABLE BARRIER, UNANCHORED	
							14,311	R3			14,311			622	41111	14,311	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

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0327D TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 16 PAPERSIZE: 34x22 (in.) DATE: 4/19/2025 TIME: 10:35:57 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GG001.dgn

ROADWAY ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	601 CONCRETE SLOPE PROTECTION SY	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN (2) FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN (2) FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN FT	622 CONCRETE BARRIER END SECTION, TYPE D EACH	622 CONCRETE BARRIER END SECTION, TYPE D, AS PER PLAN EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1 EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1, AS PER PLAN EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1 EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN EACH	626 BARRIER REFLECTOR, TYPE 1, ONE WAY EACH
386	CB-1	IR 90	353+23.44	353+38.44	C/L										1							2
386	CB-2	IR 90	353+38.44	354+29.72 BK	C/L		79.28															2
386	CB-2	IR 90	528+50.00 AH	529+62.00	C/L		112															4
386	CB-3	IR 90	529+62.00	530+12.00	C/L										2							2
386	CB-4	IR 90	530+12.00	530+44.00	C/L		32															2
386	CB-5	IR 90	530+44.00	530+94.00	C/L										2							2
386	CB-6	IR 90	530+94.00	531+26.00	C/L		32															2
386	CB-7	IR 90	531+26.00	531+76.00	C/L										2							2
386	CB-8	IR 90	531+76.00	534+45.00	C/L		253															6
387	CB-9	IR 90	534+35.00	535+08.00	RT							44		1							1	2
387	CB-10	IR 90	534+45.00	534+75.00	C/L										2							2
387	CB-11	IR 90	534+75.00	535+02.15	C/L		27.15															2
387	CB-11	IR 90	535+02.15	535+76.65	C/L			74.5														2
387	CB-11	IR 90	535+76.65	536+25.00	C/L		48.35															
387	CB-12	IR 90	535+96.00	537+11.00	LT							115										3
387	CB-13	IR 90	536+25.00	536+90.00	C/L										3							2
387	CB-14	IR 90	536+75.00	541+75.00	C/L		468															10
387	CB-15	IR 90	541+75.00	542+25.00	C/L										2							2
387	CB-16	IR 90	542+25.00	545+55.00	C/L		310															8
389	CB-17	IR 90	545+55.00	545+85.00	C/L										2							2
389	CB-18	IR 90	545+85.00	546+17.35	C/L		28.35															2
389	CB-18	IR 90	546+17.35	546+90.35	C/L			73														
389	CB-18	IR 90	546+90.35	547+25.00	C/L		34.65															
389	CB-19	IR 90	547+25.00	547+90.00	C/L										3							2
389	CB-20	IR 90	547+90.00	553+50.00	C/L		532															12
389	CB-21	IR 90	553+50.00	554+00.00	C/L										2							2
389	CB-22	IR 90	554+00.00	558+50.00	C/L		442															10
390	CB-23	IR 90	558+50.00	558+65.00	C/L										1							2
390	CB-24	IR 90	558+65.00	564+50.00	C/L		561															12
390	CB-25	IR 90	564+50.00	564+65.00	C/L										1							2
390	CB-26	IR 90	564+65.00	571+33.00	C/L		636															14
392	CB-27	IR 90	571+33.00	571+98.00	C/L										3							2
392	CB-28	IR 90	571+98.00	572+32.09	C/L		30.09															2
392	CB-28	IR 90	572+32.09	572+67.09	C/L			35														
392	CB-28	IR 90	572+67.09	573+01.00	C/L		33.91															
392	CB-29	IR 90	572+21.00	572+70.00	RT							20		1							1	2
392	CB-30	IR 90	572+29.00	572+78.00	LT							20		1							1	2
392	CB-31	IR 90	573+01.00	573+31.00	C/L										2							2
392	CB-32	IR 90	573+31.00	573+32.00	C/L		1															2
392	CB-33	IR 90	573+32.00	573+82.00	C/L										2							2
392	CB-34	IR 90	573+82.00	574+25.00	C/L												2					2
392	CB-35	IR 90	574+25.00	574+29.99	C/L												1					2
393	CB-36	IR 90	583+08.95	583+28.00	C/L														1	1		2
393	CB-37	IR 90	583+10.81	583+54.00	RT																1	1	2
393	CB-38	IR 90	583+14.84	583+54.00	LT																1	1	2
393	CB-39	IR 90	583+28.00	583+59.38	C/L					27.38													2
393	CB-39	IR 90	583+59.38	584+05.38	C/L						46												
393	CB-39	IR 90	584+05.38	584+40.00	C/L					34.62													
393	CB-40	IR 90	583+54.00	584+20.00	RT							51									1		2
		TOTALS CARRIED TO SHEET 335					3660.78	182.5		62	46	250		3		30	3		1	1	6	2	145

CUY-90-6.69

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 4/19/2025 TIME: 4:00:06 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000662\76779\400-Engineering\Roadway\Sheets\76779_GQ002.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

PROJECT ID 76779

SHEET P.0333 | TOTAL P.1587

ROADWAY ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	601 CONCRETE SLOPE PROTECTION (SY)	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN (FT)	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN (2) (FT)	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN (FT)	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN (FT)	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN (2) (FT)	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D (FT)	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN (FT)	622 CONCRETE BARRIER END SECTION, TYPE D (EACH)	622 CONCRETE BARRIER END SECTION, TYPE D, AS PER PLAN (EACH)	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1 (EACH)	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1, AS PER PLAN (EACH)	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C (EACH)	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1 (EACH)	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN (EACH)	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D (EACH)	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN (EACH)	626 BARRIER REFLECTOR, TYPE 1, ONE WAY (EACH)
393	CB-41	IR 90	583+54.00	584+24.00	LT							56		1									2
393	CB-42	IR 90	584+40.00	585+05.00	C/L															3			2
393	CB-43	IR 90	585+05.00	586+10.00	C/L					97													4
393	CB-44	IR 90	586+10.00	586+40.00	C/L															2			2
393	CB-45	IR 90	586+40.00	587+00.00	C/L					50													2
393	CB-46	IR 90	587+00.00	587+65.00	C/L															3			2
393	CB-47	RAMP MD	87+20.00	87+91.00	RT							42		1							1		2
393	CB-48	IR 90	587+65.00	587+95.00	C/L					18													2
393	CB-49	IR 90	587+95.00	588+25.00	C/L															2			2
393	CB-50	IR 90	588+25.00	588+60.90	C/L					35.9													2
393	CB-50	IR 90	588+60.90	589+39.90	C/L						79												2
393	CB-50	IR 90	589+39.90	589+75.00	C/L					35.1													
393	CB-51	IR 90	589+75.00	590+40.00	C/L															3			2
393	CB-52	RAMP MC	90+24.00	90+73.00	LT							20		1							1		2
393	CB-53	IR 90	590+40.00	598+33.84	C/L					757.84													16
395	CB-54	IR 90	598+33.84	600+65.00	C/L		211.16																6
395	CB-55	IR 90	600+65.00	601+30.00	C/L											3							2
395	CB-56	IR 90	601+30.00	601+64.20	C/L		34.2																2
395	CB-56	IR 90	601+64.20	602+29.04	C/L			64.84															
395	CB-56	IR 90	602+29.04	602+63.00	C/L		33.96																
395	CB-57	IR 90	601+43.00	602+16.00	LT							44		1							1		2
395	CB-58	IR 90	601+77.00	602+50.00	RT							44		1							1		2
395	CB-59	IR 90	602+63.00	603+27.00	C/L											3							2
395	CB-60	IR 90	603+27.00	603+51.00	C/L		16																2
395	CB-61	IR 90	603+51.00	604+01.00	C/L											2							2
395	CB-62	IR 90	604+01.00	606+08.87	C/L		187.87																6
396	CB-63	IR 90	606+08.87	611+50.00	C/L					513.13													12
396	CB-64	IR 90	611+50.00	612+00.00	C/L															2			2
396	CB-65	IR 90	612+00.00	613+93.00	C/L					185													4
396	CB-66	IR 90	613+93.00	614+23.00	C/L															2			2
396	CB-67	IR 90	614+23.00	614+56.20	C/L					3.2													2
396	CB-67	IR 90	614+56.20	614+91.20	C/L						35												2
396	CB-67	IR 90	614+91.20	615+66.00	C/L					74.8													
396	CB-68	RAMP ME	14+44.00	14+93.00	LT							20		1							1		2
396	CB-69	RAMP MF	14+45.00	14+94.00	RT							20		1							1		2
396	CB-70	IR 90	615+46.00	615+96.17	C/L															2			2
396	CB-71	IR 90	615+96.17	616+11.00	C/L					10.83													2
396	CB-72	IR 90	616+11.00	616+61.00	C/L															2			2
396	CB-73	IR 90	616+61.00	617+03.00	C/L					42													2
396	CB-74	IR 90	617+03.00	617+53.00	C/L															2			2
396	CB-75	IR 90	617+53.00	617+61.82 BK	C/L					8.82													2
396	CB-75	IR 90	615+60.00 AH	620+10.00	C/L					422													10
398	SP-1	IR 90	620+66.33	621+14.33	LT	22.85																	
398	SP-2	IR 90	620+71.72	621+18.83	RT	18.81																	
398	CB-76	IR 90	620+10.00	620+40.00	C/L															2			2
398	CB-77	IR 90	620+40.00	620+73.54	C/L					33.54													2
398	CB-77	IR 90	620+73.54	621+12.54	C/L						39												
398	CB-77	IR 90	621+12.54	621+46.00	C/L					33.46													
398	CB-78	IR 90	621+46.00	621+61.00	C/L															1			2
398	CB-79	IR 90	621+61.00	622+11.00	C/L											2							2
398	CB-80	IR 90	622+11.00	629+25.00	C/L		694																16
		TOTALS CARRIED TO SHEET 335				41.66	1177.19	64.84		2320.62	153	246		7		10				26	6		144

DESIGN AGENCY
AMEREON STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0334 | TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 2 PAPERSIZE: 34x22 (in.) DATE: 4/19/2025 TIME: 4:01:03 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GG002.dgn

ROADWAY ESTIMATED QUANTITIES

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	601 CONCRETE SLOPE PROTECTION SY	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE B1, AS PER PLAN (2) FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C, AS PER PLAN FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE C1, AS PER PLAN (2) FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D FT	622 CONCRETE BARRIER, SINGLE SLOPE, TYPE D, AS PER PLAN FT	622 CONCRETE BARRIER END SECTION, TYPE D EACH	622 CONCRETE BARRIER END SECTION, TYPE D, AS PER PLAN EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1 EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE B1, AS PER PLAN EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1 EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE C1, AS PER PLAN EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D EACH	622 CONCRETE BARRIER, END ANCHORAGE, REINFORCED, TYPE D, AS PER PLAN EACH	626 BARRIER REFLECTOR, TYPE 1, ONE WAY EACH	622 BARRIER, MISC.: PORTABLE BARRIER REMOVED AND RESET FT
399	CB-81	IR 90	629+25.00	629+75.00	C/L											2							2	
399	CB-82	IR 90	629+75.00	630+50.00	C/L		75																2	
399	CB-83	IR 90	630+50.00	634+50.00	C/L					392													8	
399	CB-84	IR 90	634+50.00	635+00.00	C/L														2				2	
399	CB-85	IR 90	635+00.00	639+02.72	C/L,RT					378.72									1				10	
402	SP-3	IR 90 WB	43+32.07	43+80.32	LT	32.88																		
404	SP-4	IR 90 EB	43+33.22	43+81.05	RT	19.19																		
405	SP-5	IR 90 WB	51+96.13	52+87.40	LT	56.51																		
405	SP-6	IR 90 EB	52+19.52	53+02.51	RT	29.91																		
413	CB-90	IR 90	703+47.88	703+70.00	LT							7.12										1	2	
413	CB-91	IR 90	703+70.00	704+20.00	LT																	2	2	
413	CB-92	IR 90	704+20.00	704+59.53	LT							25.53		1									2	
417	CB-93	IR 90	732+83.00	734+00.00	RT							88		1								1	3	
417	CB-94	IR 90	732+91.00	734+08.00	LT							88		1								1	3	
419	CB-95	IR 90	743+08.00	743+71.00	RT							34		1								1	2	
419	CB-96	IR 90	743+39.00	744+02.00	LT							34		1								1	2	
421	CB-97	IR 90	749+51.00	750+00.00	RT							12		1								1	2	
421	CB-98	IR 90	750+00.00	756+56.44	RT								641.44									1	8	
421	CB-98	RAMP W14	56+56.44	59+00.00	RT								229.56	1									4	
421	CB-99	IR 90	750+01.00	750+64.00	RT							34		1								1	2	
421	CB-100	IR 90	750+11.00	750+74.00	LT							34		1								1	2	
421	CB-101	IR 90	750+18.92	759+30.87	LT								867.95	1								2	11	
421	CB-102	IR 90	758+27.00	758+90.00	RT							34		1								1	2	
421	CB-103	IR 90	758+38.00	759+01.00	LT							34		1								1	2	
423	CB-104	IR 90	769+18.56	769+35.00	RT										1								2	
463	CB-105	RAMP 117-12	34+38.85	35+80.00	LT				126.15									1					4	
463	CB-106	RAMP 117-12	35+80.00	36+62.60	LT							68.6		1									2	
448	CB-107	RAMP 140-3	72+46.13		LT																			30
385	CB-108	IR 90	334+00.00	334+50.00	C/L											1							2	
385	CB-109	IR 90	334+50.00	337+35.00	C/L		285.00																3	
385	CB-110	IR 90	337+35.00	337+85.00	C/L											1							2	
TOTALS THIS SHEET						138.49	360.00		126.15	770.72		493.25	1,738.95	13.00	1.00	4.00		1.00	3.00		15.00		88.00	30.00
TOTALS CARRIED FROM SHEET 333							3,660.78	182.50		62.00	46.00	250.00		3.00		30.00	3.00		1.00	1.00	6.00	2.00	145.00	
TOTALS CARRIED FROM SHEET 334						41.66	1,177.19	64.84		2,320.62	153.00	246.00		7.00		10.00			26.00		6.00		144.00	
SUB-TOTALS						180.15	5,197.97	247.34	126.15	3,153.34	199.00	989.25	1,738.95	23.00	1.00	44.00	3.00	1.00	30.00	1.00	27.00	2.00	377.00	30.00
TOTALS CARRIED TO GENERAL SUMMARY						181	5,198	248	127	3,154	199	990	1,739	23	1	44	3	1	30	1	27	2	377	30

DESIGN AGENCY
AMEREON STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

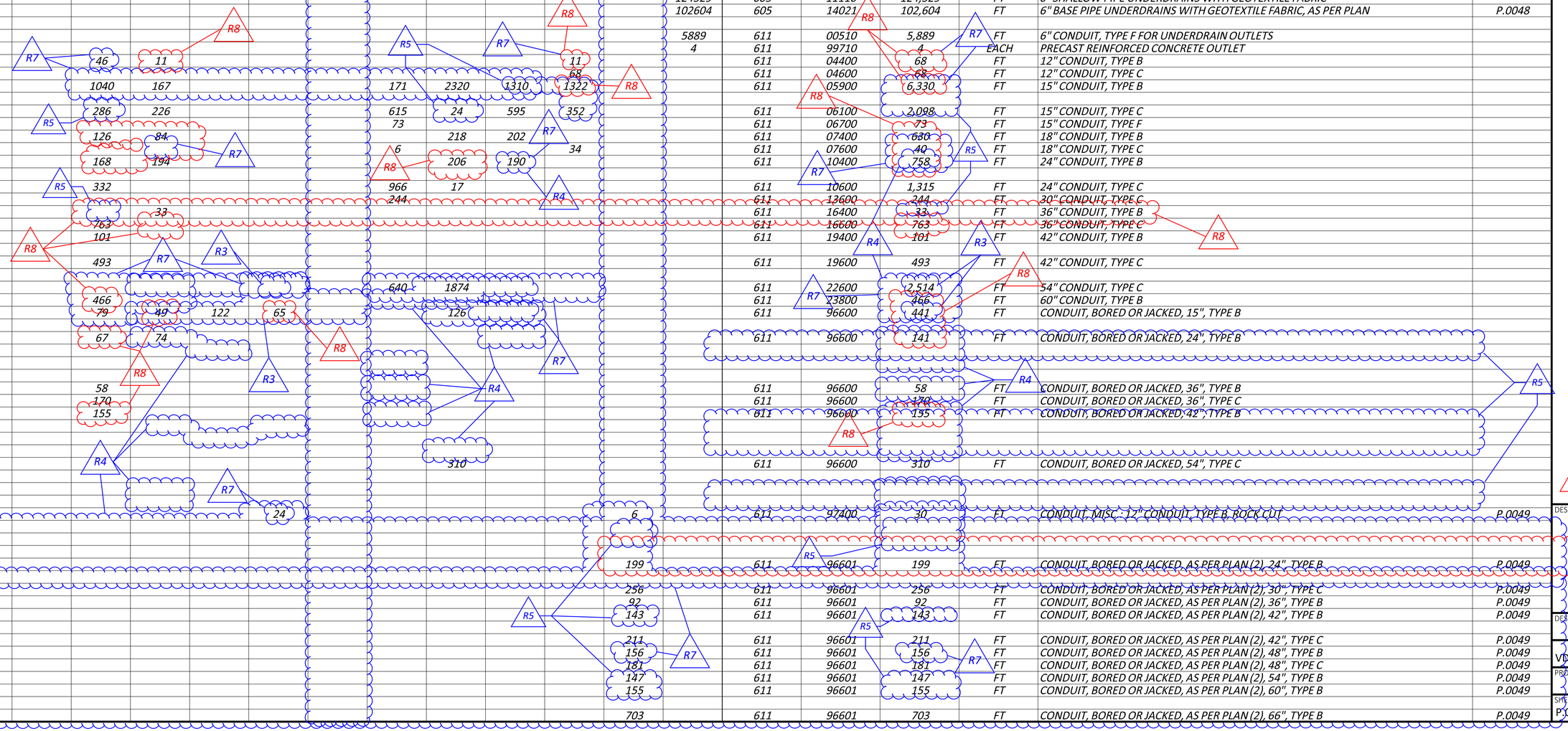
SHEET P.0335 | TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 3 PAPERSIZE: 34x22 (in.) DATE: 4/19/2025 TIME: 4:01:41 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GG002.dgn

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	
													611	04400	68	FT	12" CONDUIT, TYPE B	
													611	04600	68	FT	12" CONDUIT, TYPE C	
													611	05900	6,330	FT	15" CONDUIT, TYPE B	
													611	06100	2,098	FT	15" CONDUIT, TYPE C	
													611	06700	73	FT	15" CONDUIT, TYPE F	
													611	07400	630	FT	18" CONDUIT, TYPE B	
													611	07600	40	FT	18" CONDUIT, TYPE C	
													611	10400	758	FT	24" CONDUIT, TYPE B	
													611	10600	1,315	FT	24" CONDUIT, TYPE C	
													611	13600	244	FT	30" CONDUIT, TYPE C	
													611	16400	33	FT	36" CONDUIT, TYPE B	
													611	16600	763	FT	36" CONDUIT, TYPE C	
													611	19400	101	FT	42" CONDUIT, TYPE B	
													611	19600	493	FT	42" CONDUIT, TYPE C	
													611	22600	2,514	FT	54" CONDUIT, TYPE C	
													611	23800	466	FT	60" CONDUIT, TYPE B	
													611	96600	441	FT	CONDUIT, BORED OR JACKED, 15", TYPE B	
													611	96600	141	FT	CONDUIT, BORED OR JACKED, 24", TYPE B	
													611	96600	58	FT	CONDUIT, BORED OR JACKED, 36", TYPE B	
													611	96600	170	FT	CONDUIT, BORED OR JACKED, 36", TYPE C	
													611	96600	155	FT	CONDUIT, BORED OR JACKED, 42", TYPE B	
													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
											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

CUY-90-6.69

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 1:40:15 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DS001.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0346
TOTAL	P.1587

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
	413	1245	2738	3637	350	276	1556	59	471		611	97400	10,745	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	1117	299		127		354		611	97400	2,877	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		6				114				611	97400	183	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	
		1	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	3	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	
11	18	8	1	3	22	15	4	1	9		611	99574	92	EACH	MANHOLE, NO. 3	
7	6	2					2		4		611	99575	21	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
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: 4/21/2025 TIME: 1:40:59 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-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, 24", 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			R5							73		67							1						
1047/1070	D79	IR 90	530+69.00	533+50.00	RT					281					R8								1							
1048/1070	D75	IR 90	533+50.00	535+20.00	RT														170									1		
1048/1070	D71	IR 90 R5	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															155									1	
1049/1072	D17	IR 90	547+00.00	547+09.00	RT								44						R8									1		
1049/1072	D14	IR 90	547+09.00	547+65.00	RT								379															1		
1049/1072	D11	IR 90	547+65.00	551+91.86	RT								43														R8	1		
1047/1075	D86	IR 90	529+87.00	530+69.00	RT		82							R8										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		R5	27															1							
1048/1075	D72	RAMP HA	35+43.00	535+20.00	LT			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																					1				
1048/1077	D26	IR 90	542+75.00	542+91.00	RT																								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						R8		R7		R8				R8		1								R8
1048/1078	D31	IR 90	543+25.25	42+81.00	LT										53												R4		1	
TOTALS CARRIED TO SHEETS 346 & 347						46	1040	286	332	763	72	493	466	79	126	168	67	58	170	155	5	4	10	5	1	2	1	11	7	1

R7 R4 R5 R8

DRAINAGE ESTIMATED QUANTITIES

CUY-90-6.69

MODEL: Sheet 1 PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 2:52:53 PM USER: jsima
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.0351 | TOTAL P.1587

SHEET NO.	REFERENCE NO.	LOCATION	STATION FROM	STATION TO	SIDE	202 SPECIAL - PIPE CLEANOUT, 24" AND UNDER FT	202 SPECIAL - PIPE CLEANOUT, 27" TO 48" FT	611 12" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE B FT	611 15" CONDUIT, TYPE C FT	611 24" CONDUIT, TYPE B FT	611 36" CONDUIT, TYPE B FT	611 CONDUIT, BORED OR JACKED, 15" TYPE B FT	611 18" CONDUIT, TYPE B FT	611 CONDUIT, BORED OR JACKED, 24" TYPE B FT	611 INLET, NO. 2-A-8 EACH	611 INLET, NO. 3C, AS PER PLAN EACH	611 30" 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 CONDUIT, MISC.: 30" CONDUIT, TYPE C, ROCK CUT FT	611 CONDUIT, MISC.: 48" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 54" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 60" CONDUIT, TYPE B, ROCK CUT FT	611 66" CONDUIT, TYPE B, ROCK CUT FT	611 CONDUIT, MISC.: 66" 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 INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B1 EACH	611 INLET, NO. 2-A-12 EACH	611 MANHOLE, NO. 3 EACH	611 MANHOLE, NO. 3, AS PER PLAN EACH	611 MANHOLE RECONSTRUCTED TO GRADE EACH	611 MANHOLE, MISC.: MH-3 MODIFIED 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								49																			1				
1049/1079	D16	IR 90	546+85.00	547+09.00	RT				28			33																			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															
1051/1082	D121	IR 90	571+58.00	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													1		
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											1		70										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	11	167	226	194	33	49	84	74	1	1	63	413	84	135	109	1959	380	854	1631	174	6	2	10	5	1	18	6	1	1

R4 R7 R4 R4 R4 R4 R7 R4 R4 R4 R7 R4 R4 R4 R7

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
						FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	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		
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															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				65	102	24	17	2738	41	889	268	6	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: 4/18/2025 TIME: 3:01:11 PM USER: KMorton
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_D0002.dgn

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															
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					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						11	68	1322	352	34	59	79	5	1	5	1	1	2	3	2	1	1	1

R8 R7 R8 R7 R5 R5 R5 R5 R8 R7 R5

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: 4/18/2025 TIME: 3:01:13 PM USER: KMorton
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DQ002.dgn

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, MISC.:15" TYPE B, ROCK CUT EACH	611 CONDUIT, MISC.:18" TYPE B, ROCK CUT EACH	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															1	
1058/1113	D323	IR 90 WB	54+95.00	55+04.00	LT	11			90														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

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

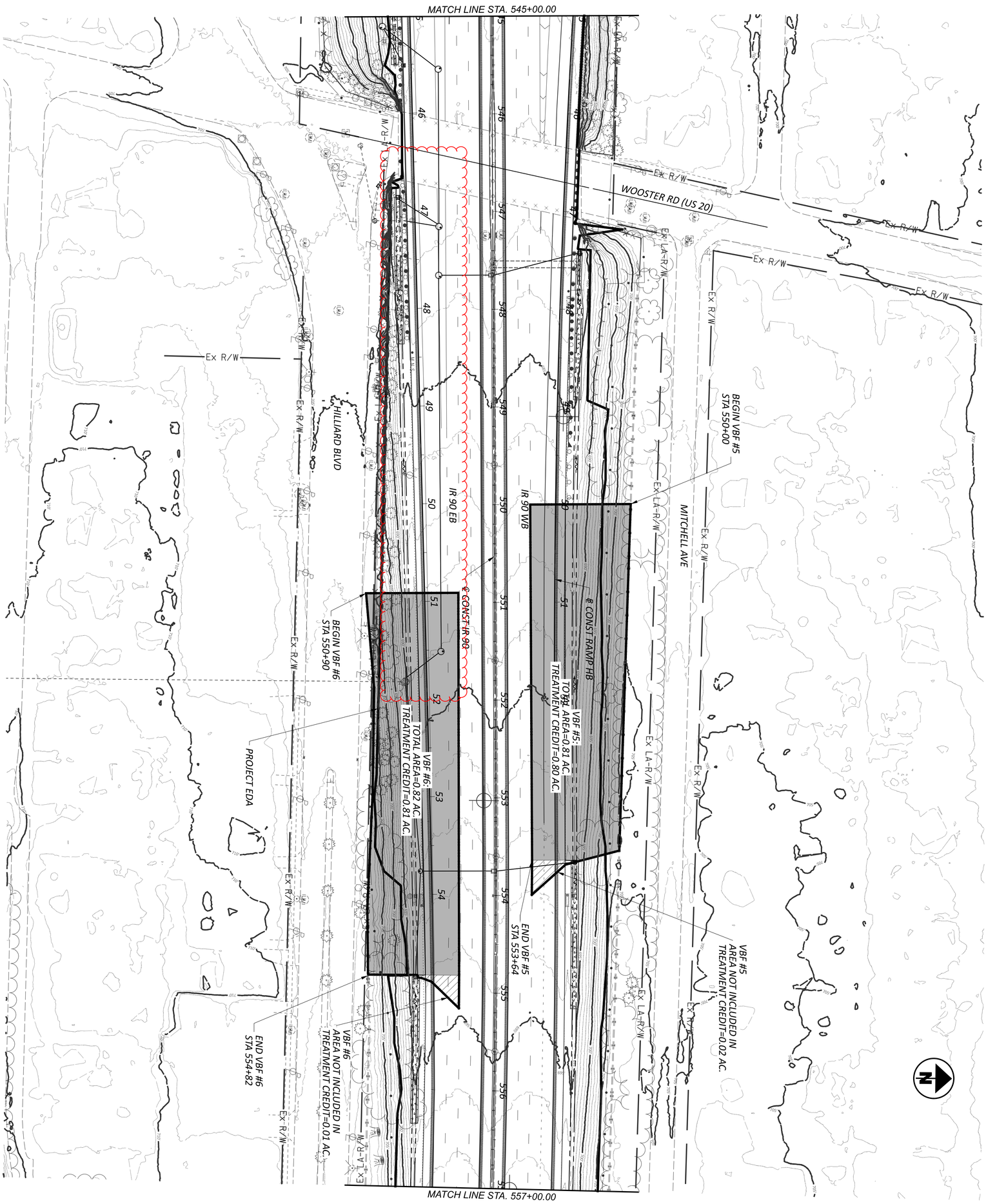
PROJECT ID
76779

SHEET P.0359A TOTAL P.1587

CUY-90-6.69

MODEL: Sheet 9A PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 3:11:51 PM USER: KMorton
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779400-Engineering\Drainage\Sheets\76779_DC002.dgn

MODEL: 76779_GPI00 - Plan 4 [Sheet]_STA 545+00 TO STA 557+00 PAPERSIZE: 34x22 (In.) DATE: 4/21/2025 TIME: 8:53:48 AM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DP501.dgn



SHEET	P 0373
TOTAL	P 1587
PROJECT ID	76779
REVIEWER	LET 10/18/22
DESIGNER	CNK
DESIGN AGENCY	MOODY ENGINEERING

PROJECT SITE PLAN
STA 545+00.00 TO STA 557+00.00

HORIZONTAL SCALE IN FEET
0 50
25 100

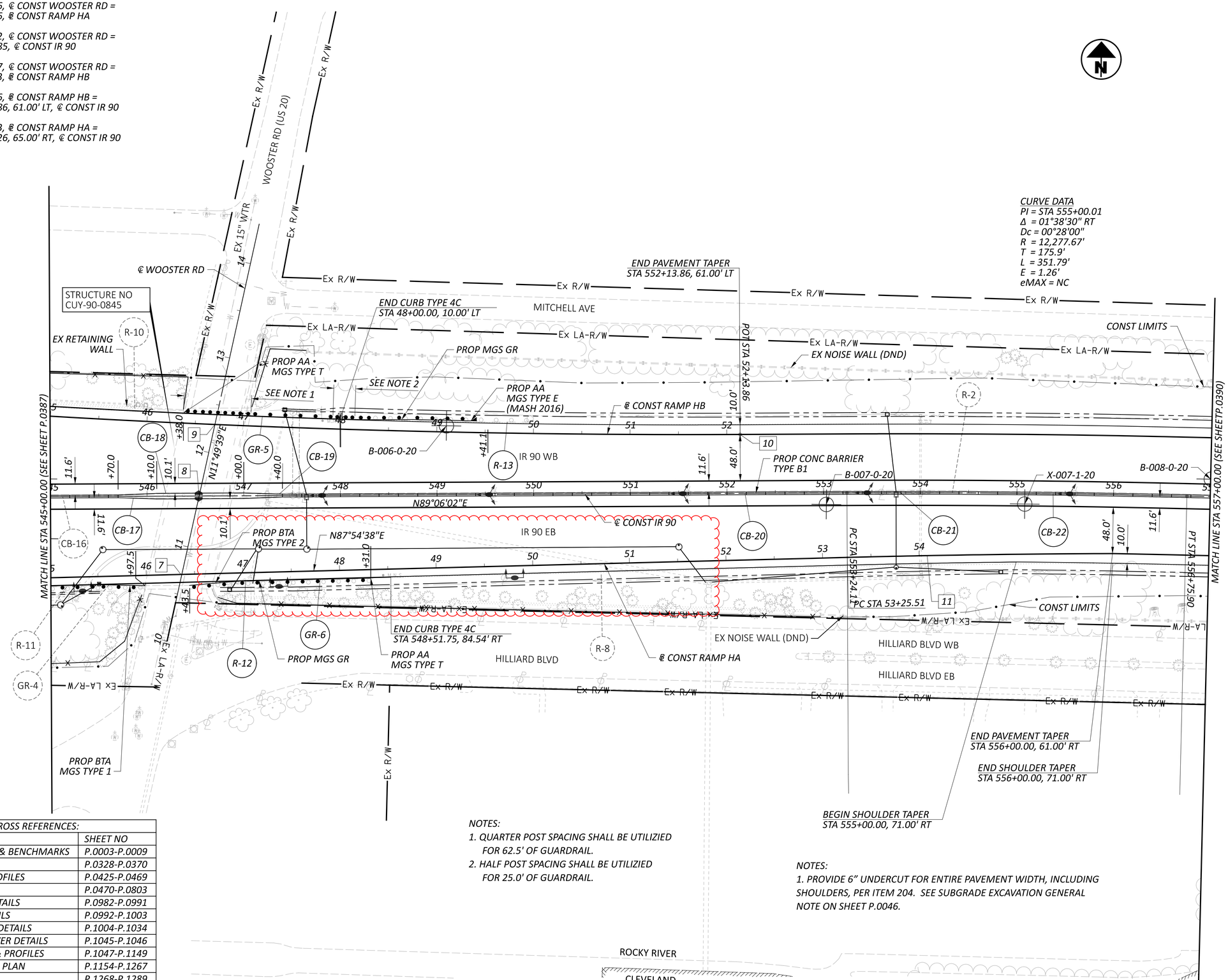
7 STA 10+69.76, ℄ CONST WOOSTER RD = STA 46+36.56, ℄ CONST RAMP HA

8 STA 11+53.82, ℄ CONST WOOSTER RD = STA 546+53.85, ℄ CONST IR 90

9 STA 12+29.57, ℄ CONST WOOSTER RD = STA 46+70.33, ℄ CONST RAMP HB

10 STA 52+13.86, ℄ CONST RAMP HB = STA 552+13.86, 61.00' LT, ℄ CONST IR 90

11 STA 54+08.23, ℄ CONST RAMP HA = STA 554+07.26, 65.00' RT, ℄ CONST IR 90



CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
RAMP PLAN & PROFILES	P.0425-P.0469
CROSS SECTIONS	P.0470-P.0803
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
MEDIAN CROSSOVER DETAILS	P.1045-P.1046
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520

NOTES:
1. QUARTER POST SPACING SHALL BE UTILIZIED FOR 62.5' OF GUARDRAIL.
2. HALF POST SPACING SHALL BE UTILIZIED FOR 25.0' OF GUARDRAIL.

NOTES:
1. PROVIDE 6" UNDERCUT FOR ENTIRE PAVEMENT WIDTH, INCLUDING SHOULDERS, PER ITEM 204. SEE SUBGRADE EXCAVATION GENERAL NOTE ON SHEET P.0046.

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 90
STA 545+00.00 TO STA 557+00.00

CUY-90-6.69

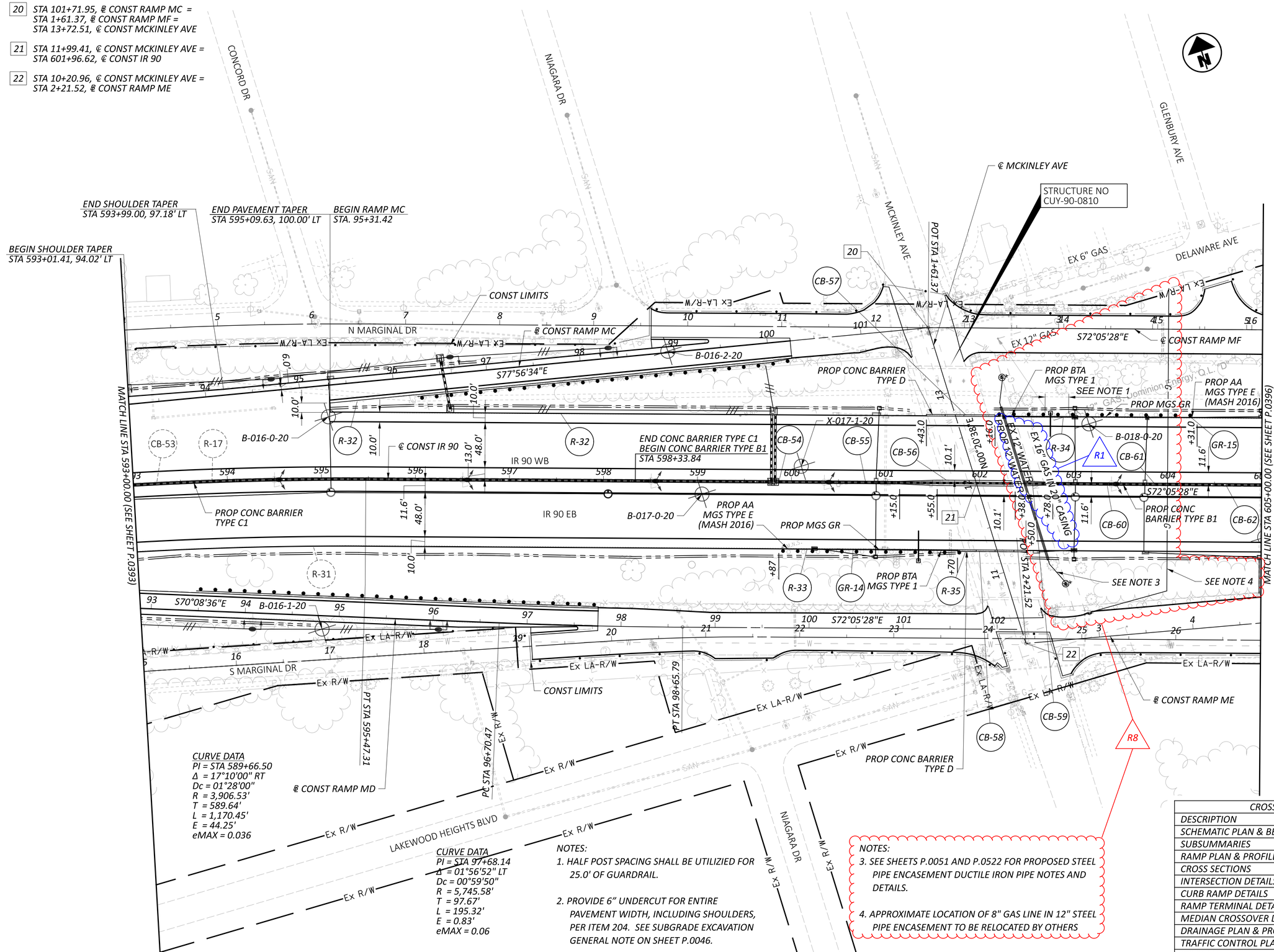
DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.
DESIGNER: BER
REVIEWER: VDK 08/09/23
PROJECT ID: 76779
SHEET: P.0389 TOTAL: P.1587

MODEL: 76779_GP100 - Plan 4 [Sheet]_STA 545+00 TO STA 557+00 PAPERSIZE: 34x22 (in.) DATE: 4/22/2025 TIME: 10:15:28 AM USER: jslma
pw:\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GP100.dgn

20 STA 101+71.95, ℄ CONST RAMP MC = STA 1+61.37, ℄ CONST RAMP MF = STA 13+72.51, ℄ CONST MCKINLEY AVE

21 STA 11+99.41, ℄ CONST MCKINLEY AVE = STA 601+96.62, ℄ CONST IR 90

22 STA 10+20.96, ℄ CONST MCKINLEY AVE = STA 2+21.52, ℄ CONST RAMP ME



CURVE DATA
PI = STA 589+66.50
Δ = 17°10'00" RT
Dc = 01°28'00"
R = 3,906.53'
T = 589.64'
L = 1,170.45'
E = 44.25'
eMAX = 0.036

CURVE DATA
PI = STA 97+68.14
Δ = 01°56'52" LT
Dc = 00°59'50"
R = 5,745.58'
T = 97.67'
L = 195.32'
E = 0.83'
eMAX = 0.06

NOTES:
1. HALF POST SPACING SHALL BE UTILIZIED FOR 25.0' OF GUARDRAIL.
2. PROVIDE 6" UNDERCUT FOR ENTIRE PAVEMENT WIDTH, INCLUDING SHOULDERS, PER ITEM 204. SEE SUBGRADE EXCAVATION GENERAL NOTE ON SHEET P.0046.

NOTES:
3. SEE SHEETS P.0051 AND P.0522 FOR PROPOSED STEEL PIPE ENCASEMENT DUCTILE IRON PIPE NOTES AND DETAILS.
4. APPROXIMATE LOCATION OF 8" GAS LINE IN 12" STEEL PIPE ENCASEMENT TO BE RELOCATED BY OTHERS

CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
RAMP PLAN & PROFILES	P.0425-P.0469
CROSS SECTIONS	P.0470-P.0803
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
MEDIAN CROSSOVER DETAILS	P.1045-P.1046
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 90
STA 593+00.00 TO STA 605+00.00

DESIGN AGENCY
STRUCTUREPOINT

DESIGNER BER

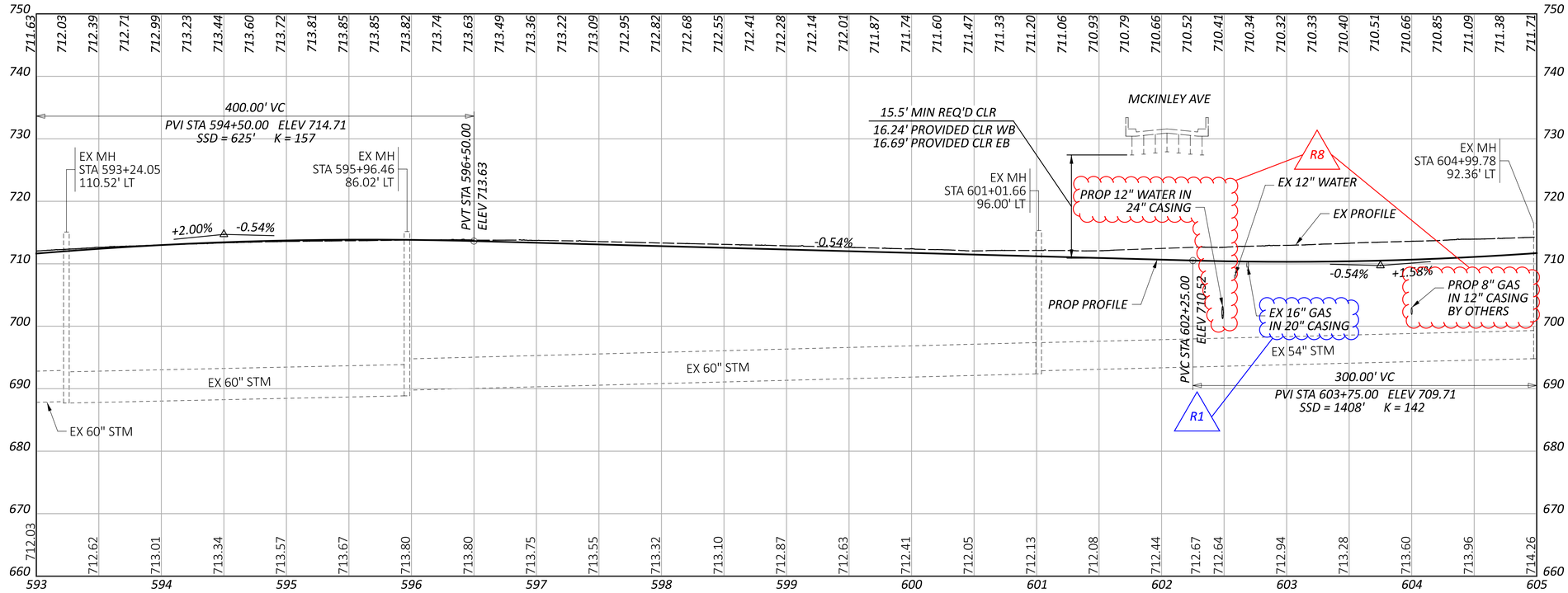
REVIEWER VDK 08/09/23

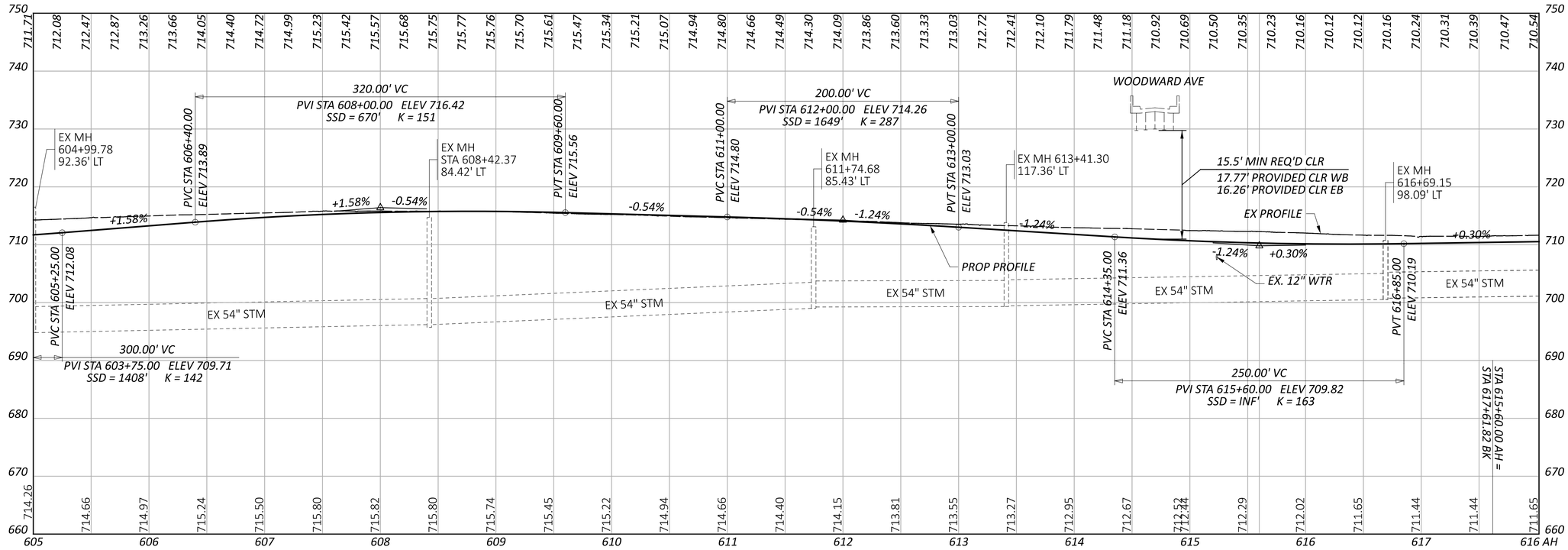
PROJECT ID 76779

SHEET P.0395 TOTAL P.1587

CUY-90-6.69

MODEL: 76779_GP100 - Plan 8 (Sheet)_STA 593+00 TO STA 605+00 PAPERSIZE: 34x22 (In.) DATE: 4/17/2025 TIME: 11:49:34 AM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GP10A.dgn





CROSS REFERENCES:	
DESCRIPTION	SHEET NO
DRAINAGE PROFILES	P.1068-P.1149

PROFILE SHEET - IR 90
STA 593+00.00 TO STA 616+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC
MEMBER GROUP

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

SHEET P.0397 TOTAL P.1587

CUY-90-6.69

MODEL: 08 - IR 90 - 593+00 to 616+00 PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 12:16:55 PM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\250200062\76779\400-Engineering\Roadway\Sheets\76779_GF001.dgn

42 STA 65+73.91, ℄ CONST RAMP W2A = STA 65+73.91, 25.00' RT, ℄ CONST IR 90 EB

43 STA 67+17.41, ℄ CONST IR 90 WB = STA 667+15.40, 35.00' LT, ℄ CONST IR 90

44 STA 70+29.73, ℄ CONST RAMP W1A = STA 670+29.73, 95.00' LT, ℄ CONST IR 90 WB

45 STA 45+70.53, ℄ CONST W 140TH ST = STA 72+19.97, ℄ CONST RAMP 140-3

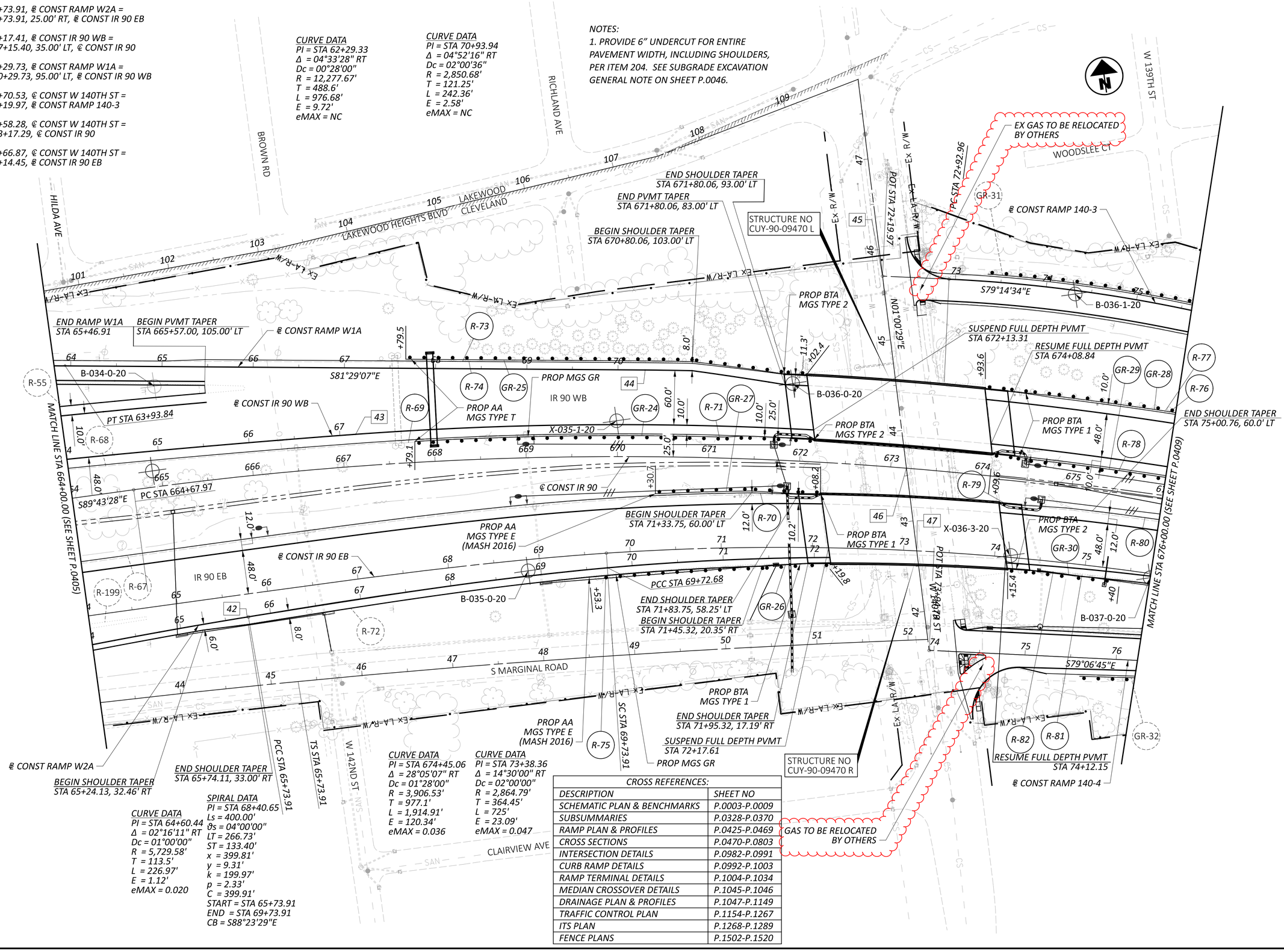
46 STA 43+58.28, ℄ CONST W 140TH ST = STA 673+17.29, ℄ CONST IR 90

47 STA 42+66.87, ℄ CONST W 140TH ST = STA 73+14.45, ℄ CONST IR 90 EB

CURVE DATA
PI = STA 62+29.33
Δ = 04°33'28" RT
Dc = 00°28'00"
R = 12,277.67'
T = 488.6'
L = 976.68'
E = 9.72'
eMAX = NC

CURVE DATA
PI = STA 70+93.94
Δ = 04°52'16" RT
Dc = 02°00'36"
R = 2,850.68'
T = 121.25'
L = 242.36'
E = 2.58'
eMAX = NC

NOTES:
1. PROVIDE 6" UNDERCUT FOR ENTIRE PAVEMENT WIDTH, INCLUDING SHOULDERS, PER ITEM 204. SEE SUBGRADE EXCAVATION GENERAL NOTE ON SHEET P.0046.



CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
RAMP PLAN & PROFILES	P.0425-P.0469
CROSS SECTIONS	P.0470-P.0803
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
MEDIAN CROSSOVER DETAILS	P.1045-P.1046
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520

HORIZONTAL SCALE IN FEET
0 25 50 100

PLAN SHEET - IR 90
STA 664+00.00 TO STA 676+00.00

DESIGN AGENCY
WEPPLER STRUCTUREPOINT INC.

DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0407
TOTAL	P.1587

CUY-90-6.69

MODEL: 76779_GP100 - Plan 14 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 11:20:25 AM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GP10A.dgn

74 STA 63+74.87, ℄ CONST RAMP W13 = STA 763+74.87, 108.00' LT, ℄ CONST IR 90

75 STA 45+32.66, ℄ CONST WEST BLVD = STA 71+63.67, ℄ CONST RAMP W13

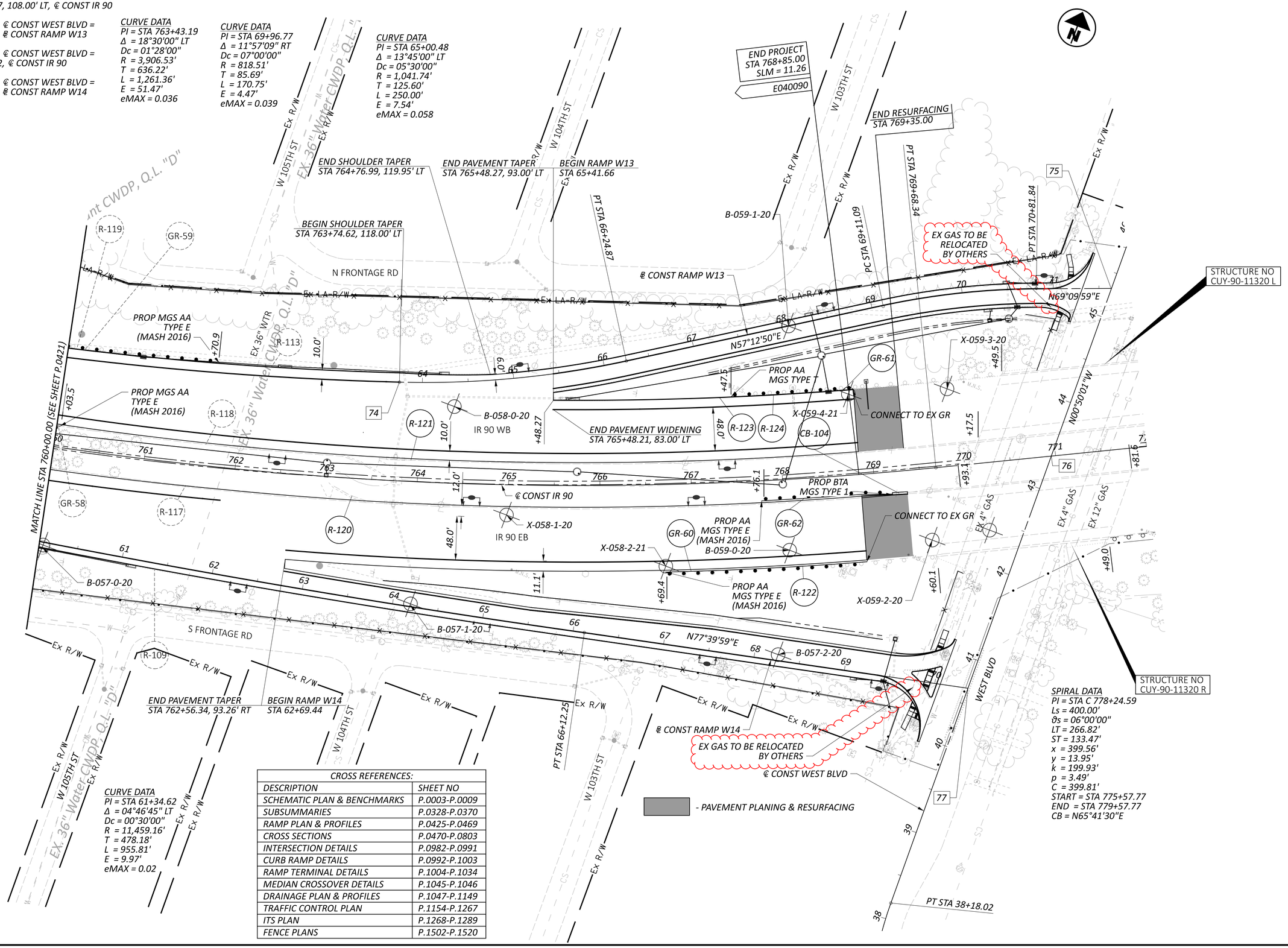
76 STA 43+37.71, ℄ CONST WEST BLVD = STA 770+95.32, ℄ CONST IR 90

77 STA 40+67.75, ℄ CONST WEST BLVD = STA 70+36.61, ℄ CONST RAMP W14

CURVE DATA
PI = STA 763+43.19
Δ = 18°30'00" LT
Dc = 01°28'00"
R = 3,906.53'
T = 636.22'
L = 1,261.36'
E = 51.47'
eMAX = 0.036

CURVE DATA
PI = STA 69+96.77
Δ = 11°57'09" RT
Dc = 07°00'00"
R = 818.51'
T = 85.69'
L = 170.75'
E = 4.47'
eMAX = 0.039

CURVE DATA
PI = STA 65+00.48
Δ = 13°45'00" LT
Dc = 05°30'00"
R = 1,041.74'
T = 125.60'
L = 250.00'
E = 7.54'
eMAX = 0.058



SPIRAL DATA
PI = STA C 778+24.59
Ls = 400.00'
ϑs = 06°00'00"
LT = 266.82'
ST = 133.47'
x = 399.56'
y = 13.95'
k = 199.93'
p = 3.49'
C = 399.81'
START = STA 775+57.77
END = STA 779+57.77
CB = N65°41'30"E

CURVE DATA
PI = STA 61+34.62
Δ = 04°46'45" LT
Dc = 00°30'00"
R = 11,459.16'
T = 478.18'
L = 955.81'
E = 9.97'
eMAX = 0.02

CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
RAMP PLAN & PROFILES	P.0425-P.0469
CROSS SECTIONS	P.0470-P.0803
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
MEDIAN CROSSOVER DETAILS	P.1045-P.1046
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520

- PAVEMENT PLANING & RESURFACING

HORIZONTAL SCALE IN FEET 0 25 50 100

PLAN SHEET - IR 90
STA 760+00.00 TO STA 772+00.00

DESIGN AGENCY: AMERICAN STRUCTUREPOINT INC.

DESIGNER: CFA

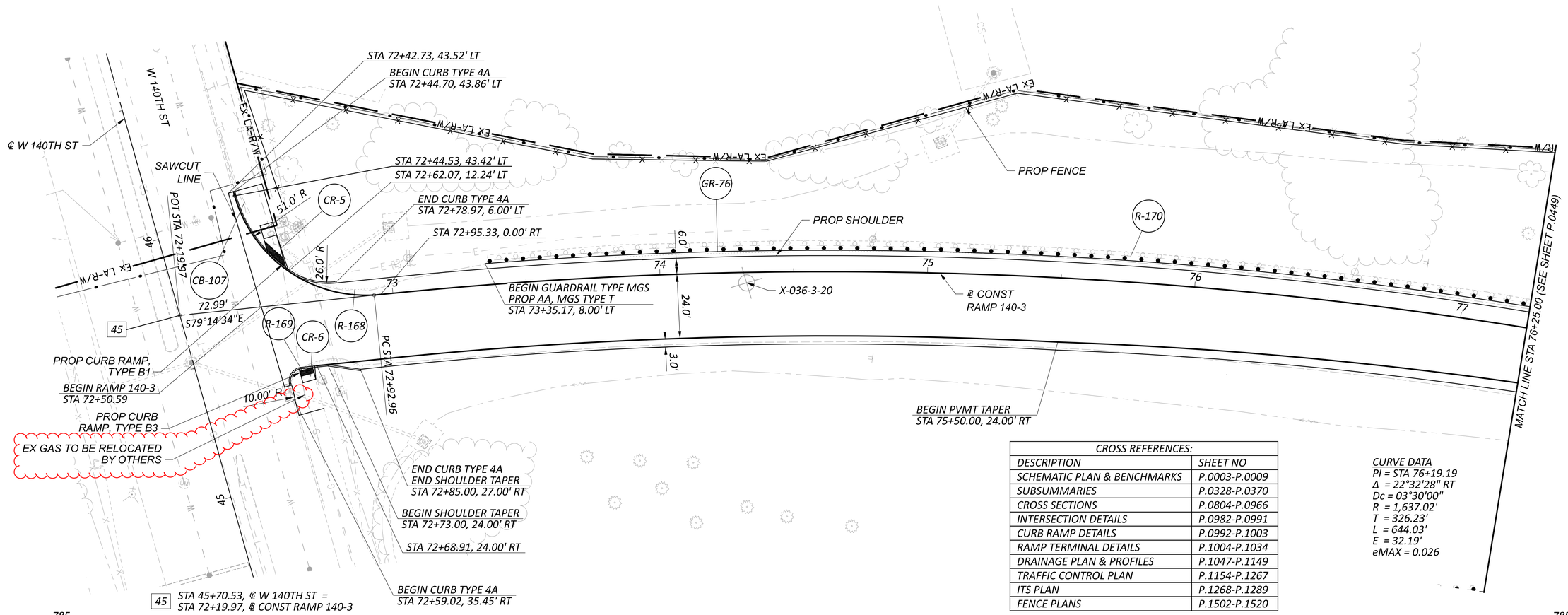
REVIEWER: VDK 08/09/23

PROJECT ID: 76779

SHEET: P.0423 TOTAL: P.1587

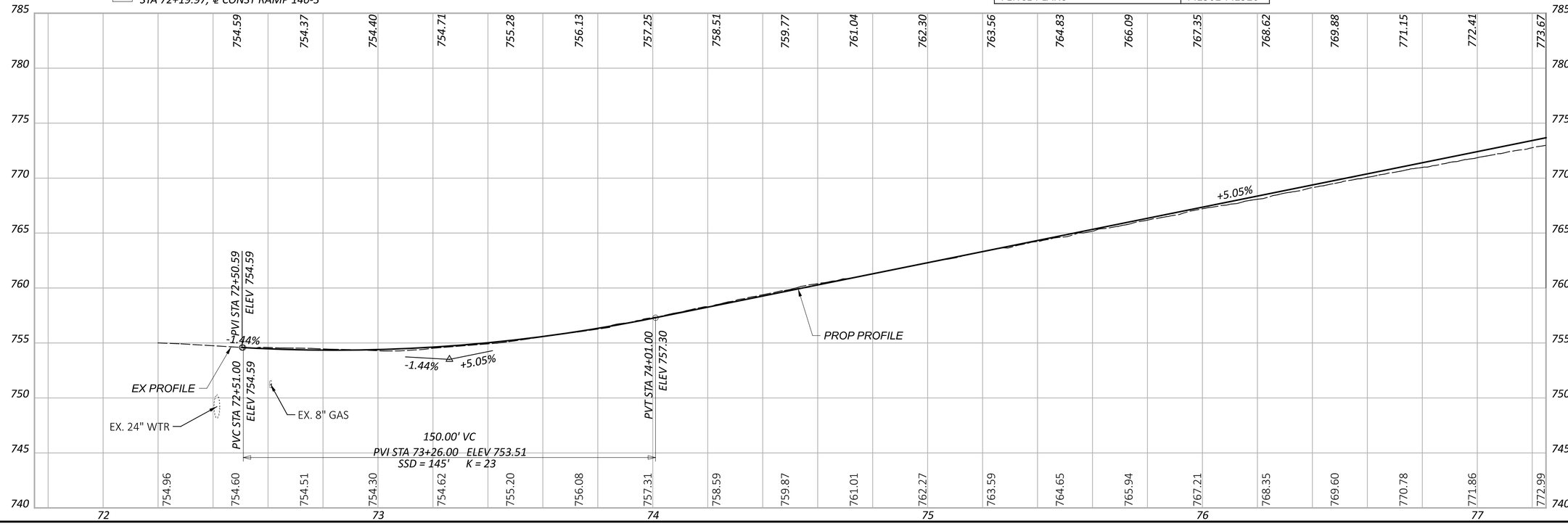
CUY-90-6.69

MODEL: 76779_GPI00 - Plan 22 STA 760+00 TO STA 772+00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 11:06:44 AM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GPI02.dgn



CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
CROSS SECTIONS	P.0804-P.0966
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520

CURVE DATA
PI = STA 76+19.19
Δ = 22°32'28" RT
Dc = 03°30'00"
R = 1,637.02'
T = 326.23'
L = 644.03'
E = 32.19'
eMAX = 0.026



HORIZONTAL SCALE IN FEET
0 10 20 40

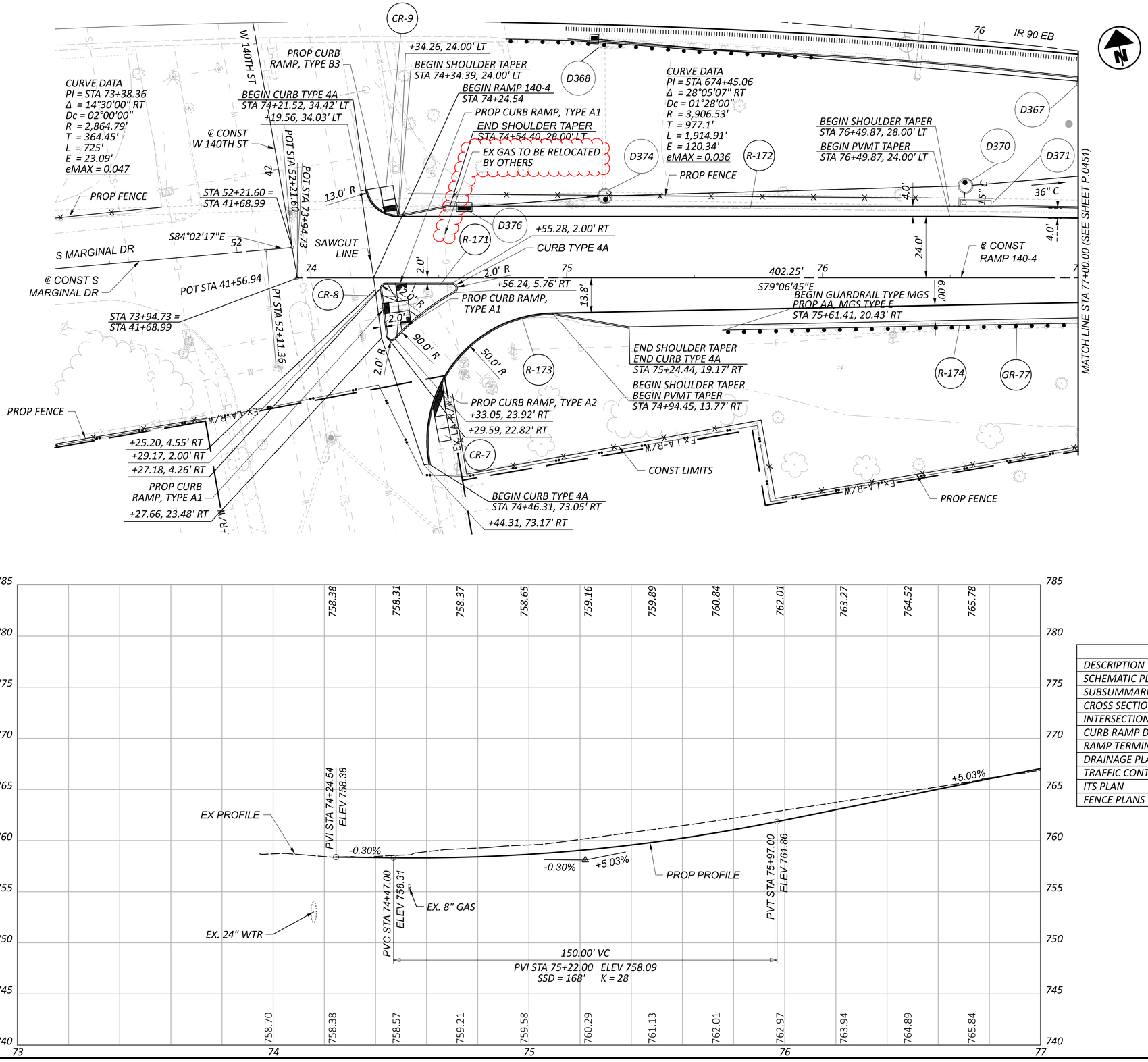
PLAN AND PROFILE - RAMP 140-3 (IR 90 WB TO 140TH ST)
STA. 72+19.97 TO STA. 76+25.00

DESIGN AGENCY
MOODY ENGINEERING

DESIGNER CNK
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0448 TOTAL P.1587

CUY-90-6.69

MODEL: BLX_R090_140_3 - 140th Ramp 3 - Plan (Drawing) PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 6:29:00 PM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GP240l.dgn



CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
CROSS SECTIONS	P.0804-P.0966
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520

HORIZONTAL SCALE IN FEET
0 10 20 40

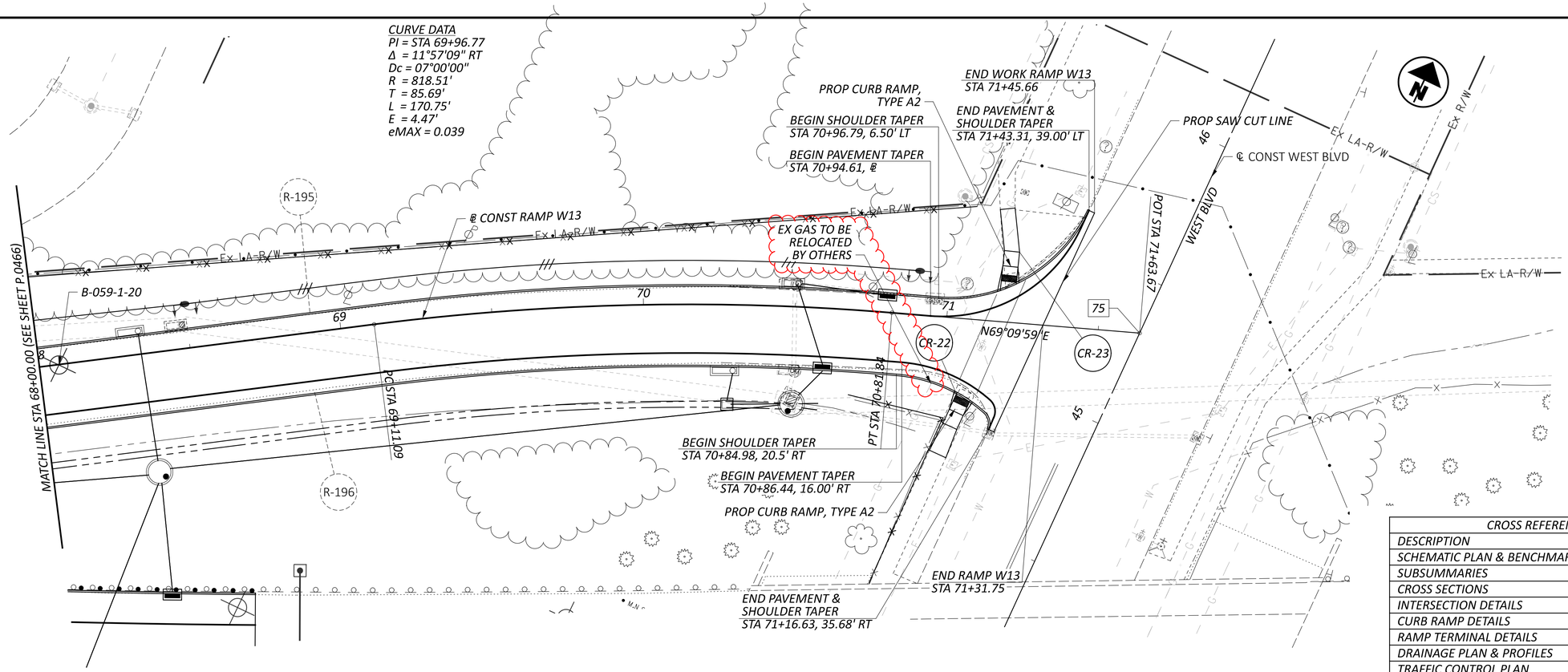
PLAN AND PROFILE - RAMP 140-4 (140TH ST TO IR 90 EB)
STA. 73+94.74 TO STA. 77+00.00

DESIGN AGENCY
MOODY ENGINEERING

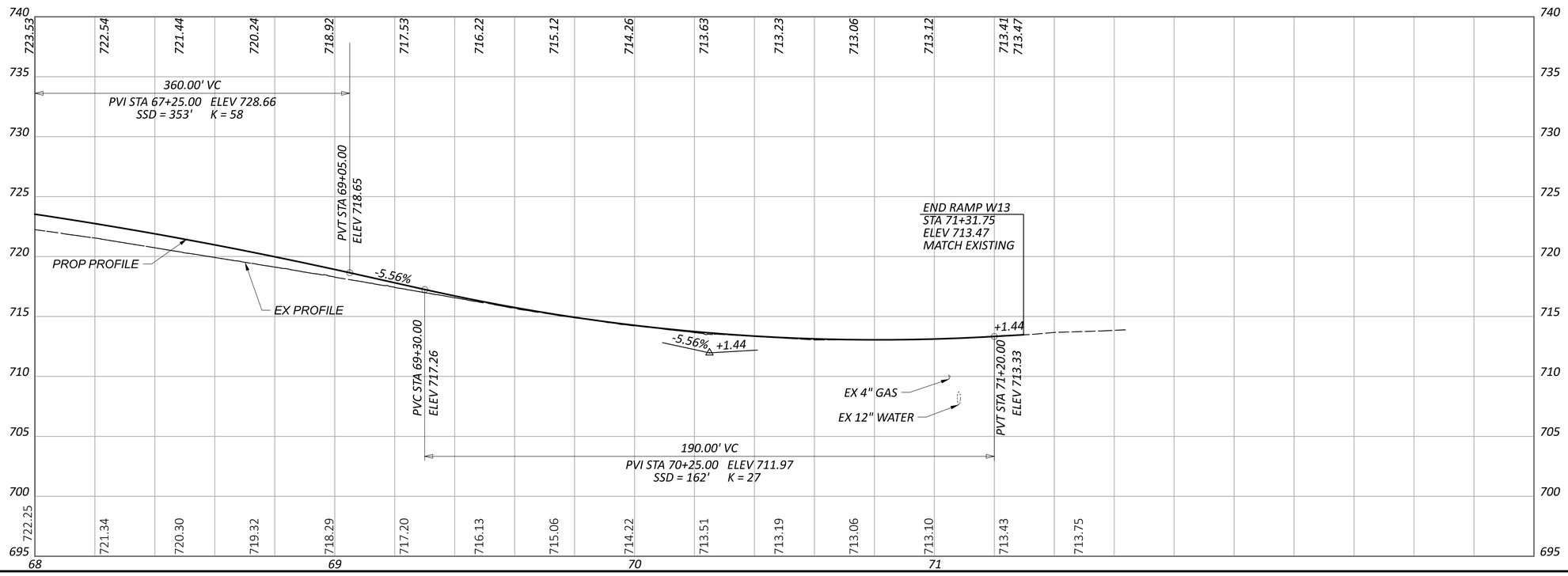
DESIGNER CNK
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0450 TOTAL P.1587

CUY-90-6.69

MODEL: BLP_R090_140_4 - 140th Ramp 4 - Plan | PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 6:32:03 PM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GP2403.dgn



CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
CROSS SECTIONS	P.0804-P.0966
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520



HORIZONTAL SCALE IN FEET
0 10 20 40

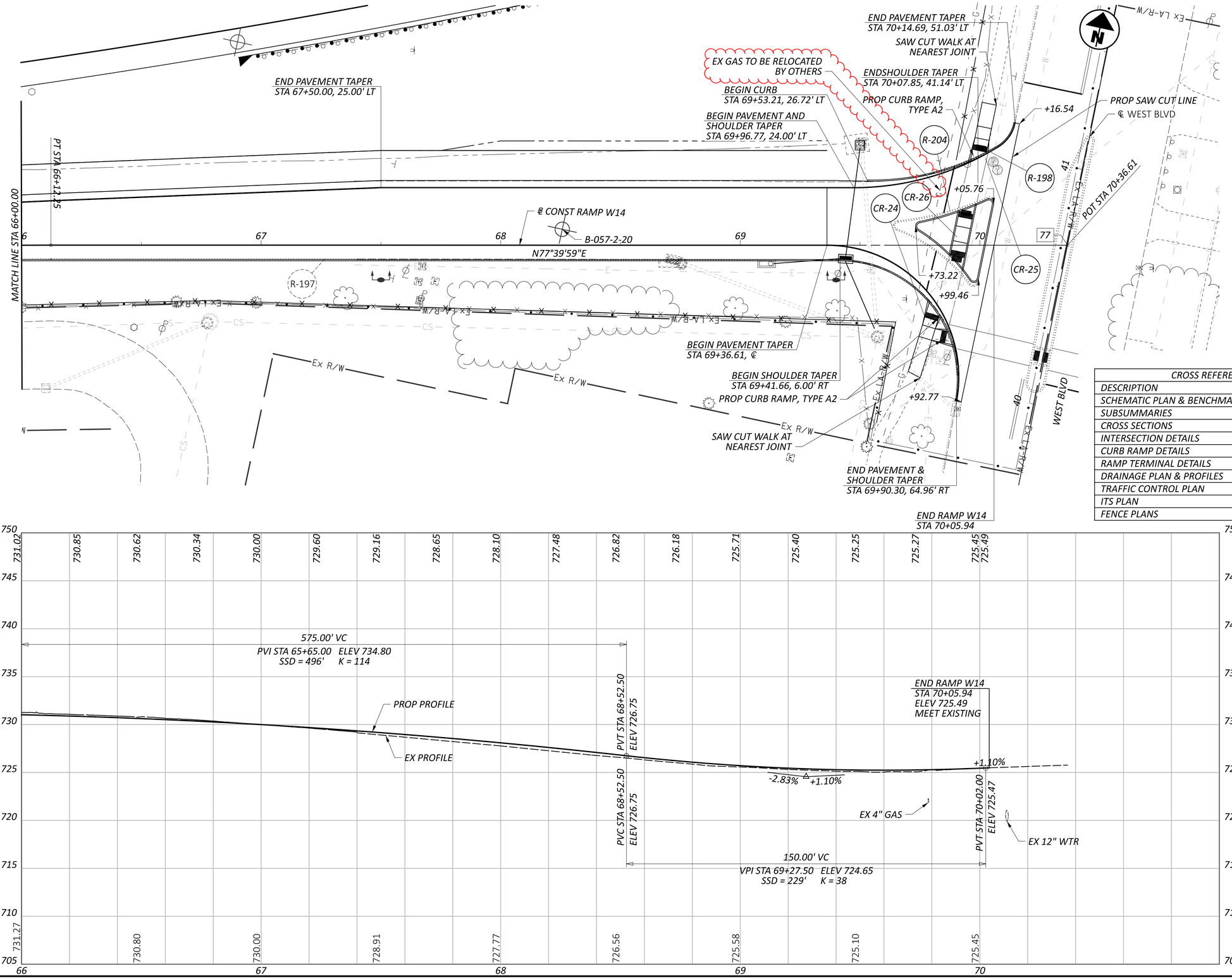
PLAN AND PROFILE - RAMP W13 (WEST BLVE TO IR 90 WB)
STA 68+00TO STA 71+63.67

DESIGN AGENCY
STRUCTUREPOINT INC.

DESIGNER BER
REVIEWER VDK 08/09/23
PROJECT ID 76779
SHEET P.0467 TOTAL P.1587

CUY-90-6.69

MODEL: BLX_R090_W13 - Plan Ramp 2 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 6:34:23 PM USER: jsima
pw:\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GP401.dgn



CROSS REFERENCES:	
DESCRIPTION	SHEET NO
SCHEMATIC PLAN & BENCHMARKS	P.0003-P.0009
SUBSUMMARIES	P.0328-P.0370
CROSS SECTIONS	P.0804-P.0966
INTERSECTION DETAILS	P.0982-P.0991
CURB RAMP DETAILS	P.0992-P.1003
RAMP TERMINAL DETAILS	P.1004-P.1034
DRAINAGE PLAN & PROFILES	P.1047-P.1149
TRAFFIC CONTROL PLAN	P.1154-P.1267
ITS PLAN	P.1268-P.1289
FENCE PLANS	P.1502-P.1520

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN AND PROFILE - RAMP W14
STA 66+00 TO STA 70+36.61

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

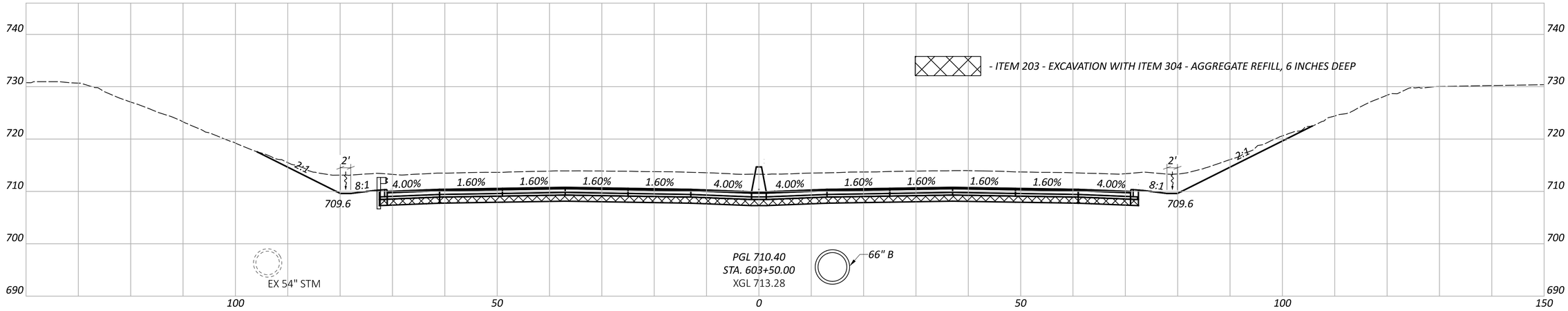
REVIEWER
VDK 08/09/23

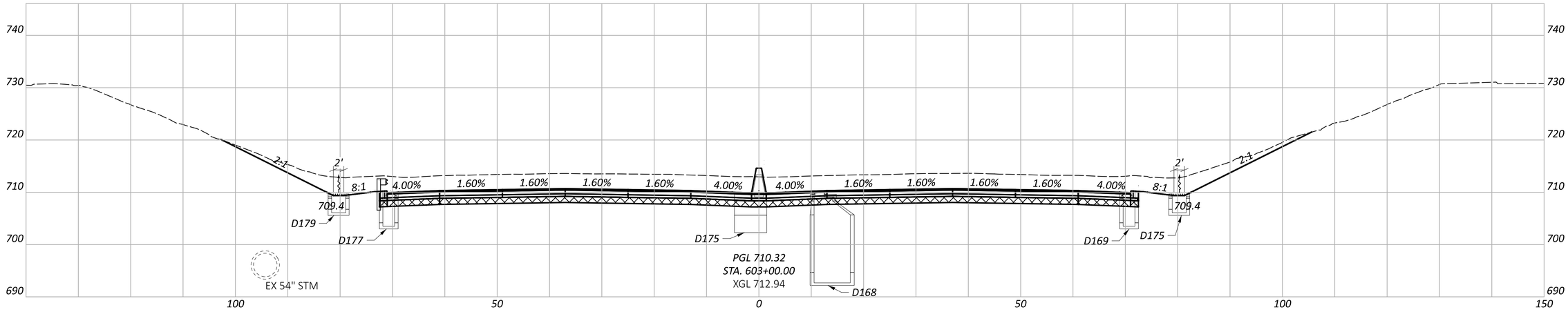
PROJECT ID
76779

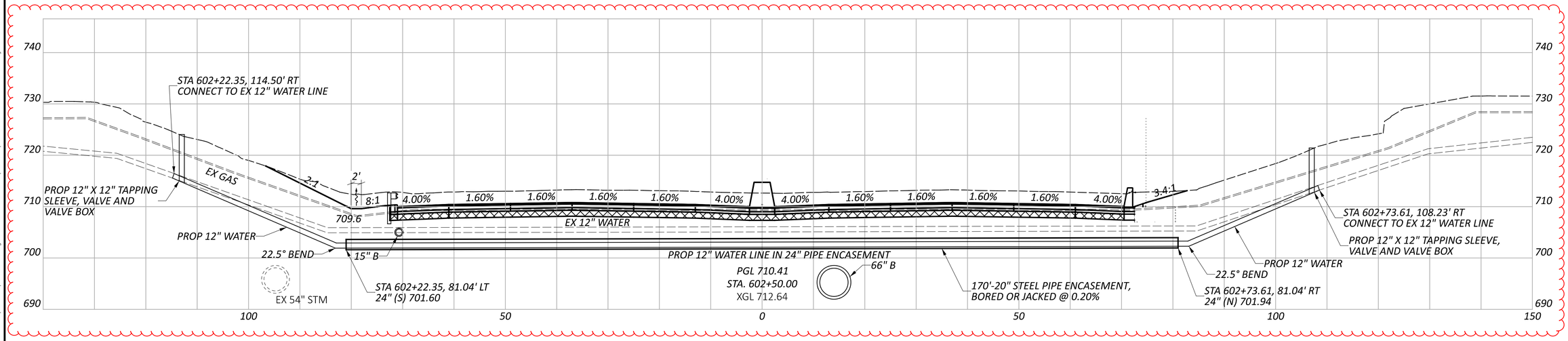
SHEET P.0469 TOTAL P.1587

CUY-90-6.69

MODEL: BLP_R090_WI4 - Plan Ramp 2 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/18/2025 TIME: 6:35:48 PM USER: Jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\Y6779\400-Engineering\Roadway\Sheets\Y6779_GP402.dgn







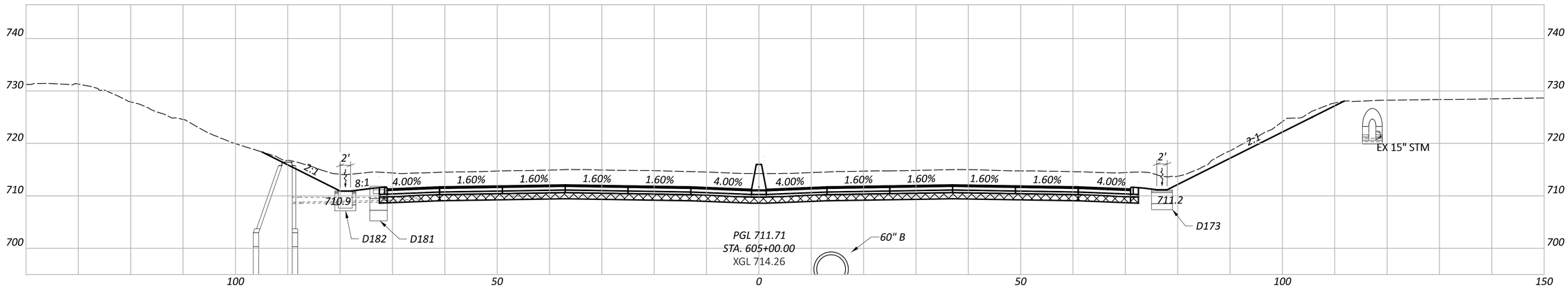
CROSS SECTIONS - IR 90
STA 602+50.00 TO STA 603+50.00

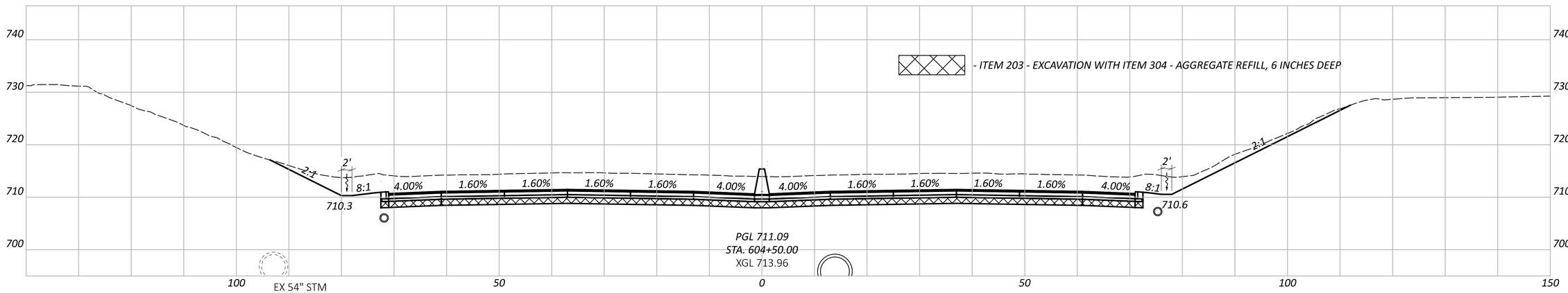
CUY-90-6.69

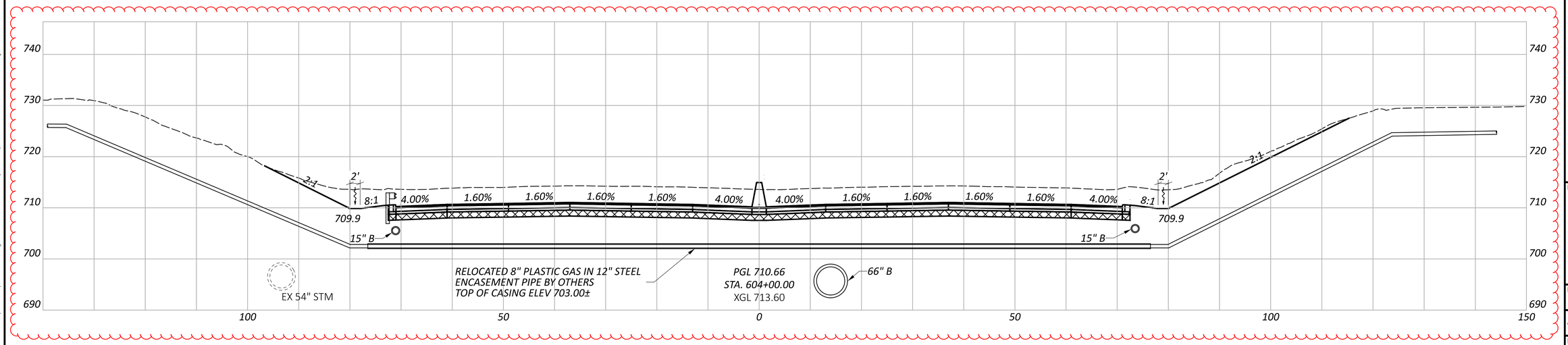
MODEL: CLX_1090_100 - B 602+50.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 11:53:31 AM USER: jsilma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_XS002.dgn

DESIGN AGENCY
STRUCTUREPOINT
AMERICAN CONCRETE INSTITUTE

DESIGNER	BER
REVIEWER	VDK 08/09/23
PROJECT ID	76779
SHEET	P.0522
TOTAL	P.1587







CUY-90-6.69

MODEL: CLX_090_100 - B 604+00.00 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 11:44:32 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_XS002.dgn

CROSS SECTIONS - IR 90
STA 604+00.00 TO STA 605+00.00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

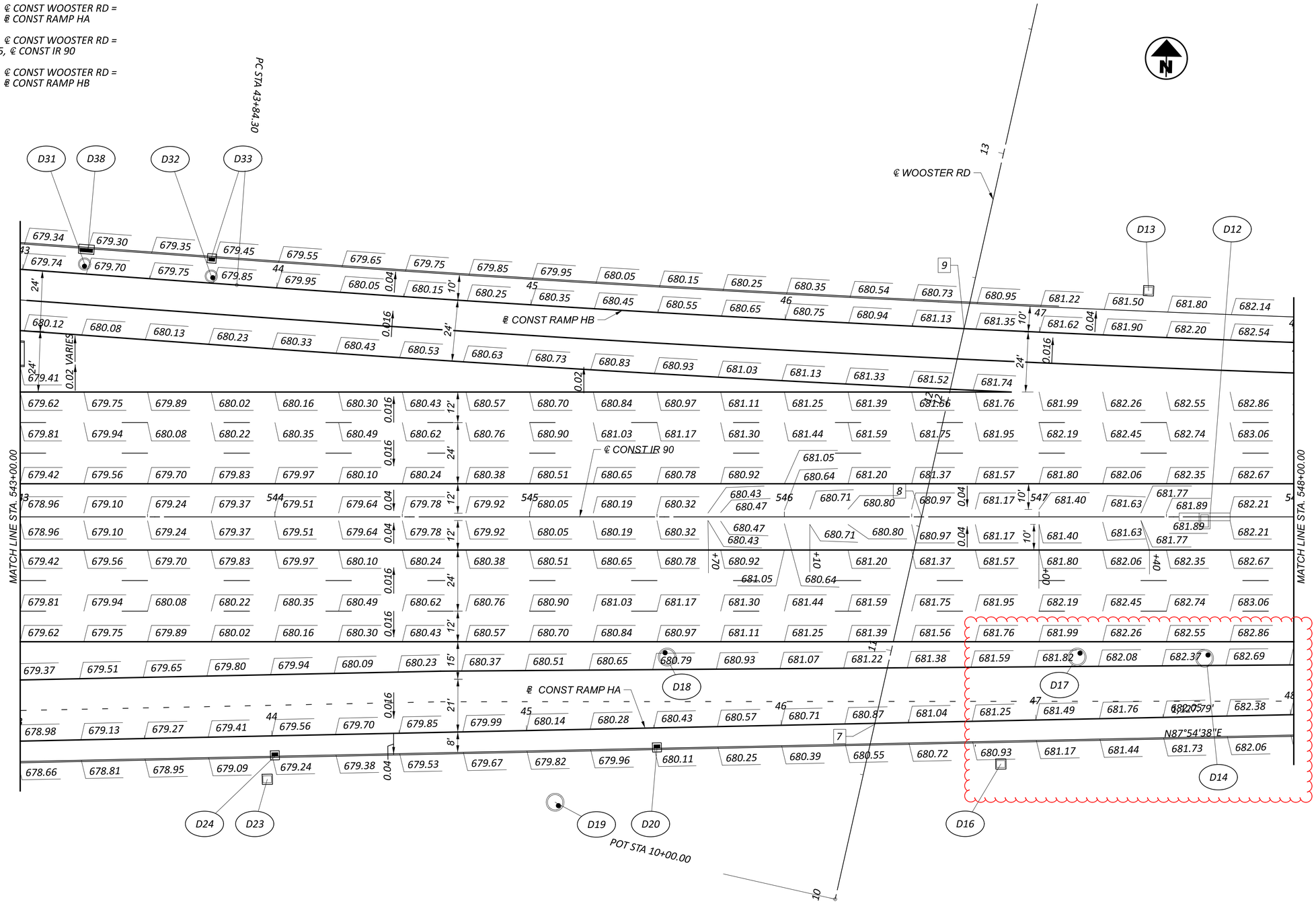
PROJECT ID
76779

SHEET P.0523 | TOTAL P.1587

7 STA 10+69.76, ℄ CONST WOOSTER RD = STA 46+36.56, ℄ CONST RAMP HA

8 STA 11+53.82, ℄ CONST WOOSTER RD = STA 546+53.85, ℄ CONST IR 90

9 STA 12+29.57, ℄ CONST WOOSTER RD = STA 46+70.33, ℄ CONST RAMP HB



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS UNLESS OTHERWISE INDICATED

HORIZONTAL SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - HILLIARD BLVD
STA 543+00 TO STA 548+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER BER

REVIEWER VDK 08/09/23

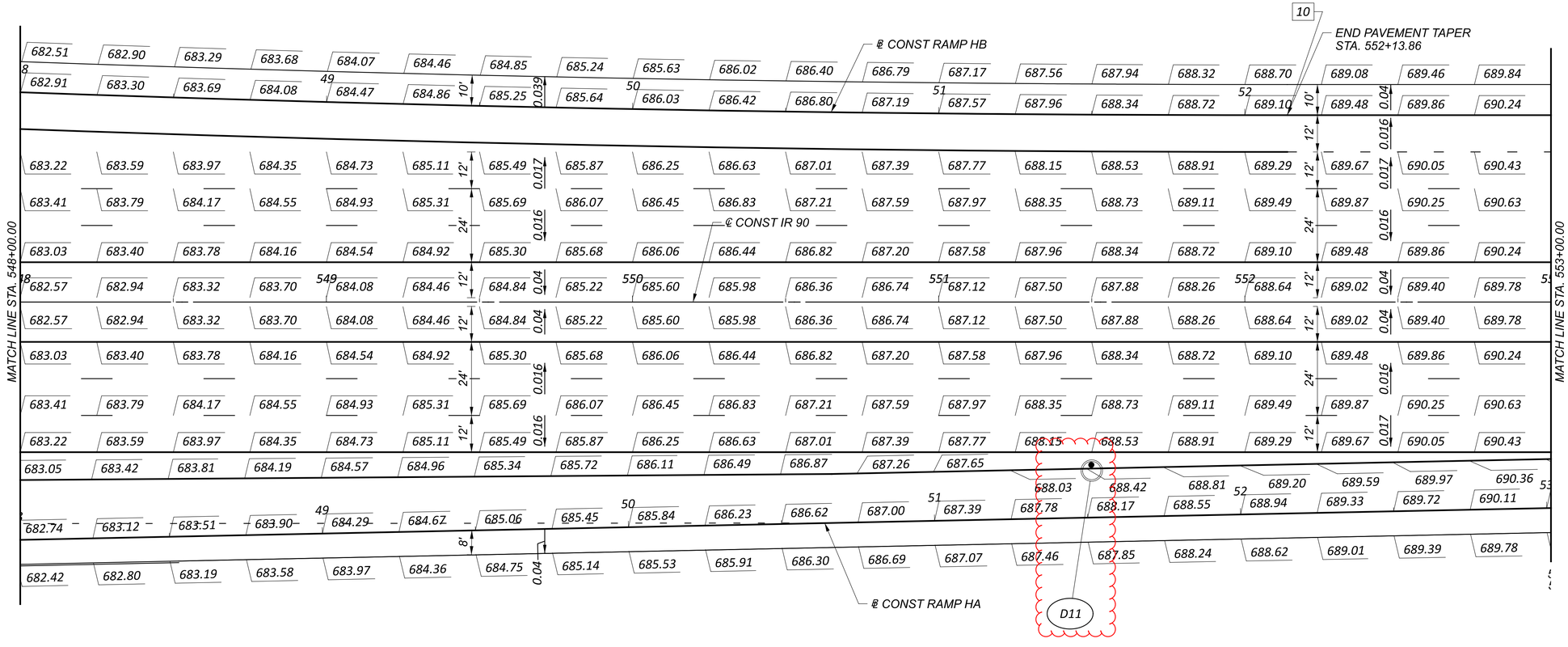
PROJECT ID 76779

SHEET P.1005 TOTAL P.1587

CUY-90-6.69

MODEL: Hilliard Rd Ramps-2 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 9:00:52 AM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Roadway\Sheets\76779_GI001.dgn

10 STA 52+13.86, ℄ CONST RAMP HB =
STA 552+13.86, 61.00' LT, ℄ CONST IR 90



NOTE: ELEVATIONS SHOWN AT 25' INTERVALS
UNLESS OTHERWISE INDICATED

HORIZONTAL
SCALE IN FEET
0 10 20 40

RAMP TERMINAL DETAILS - HILLIARD BLVD
STA 548+00 TO STA 553+00

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
BER

REVIEWER
VDK 08/09/23

PROJECT ID
76779

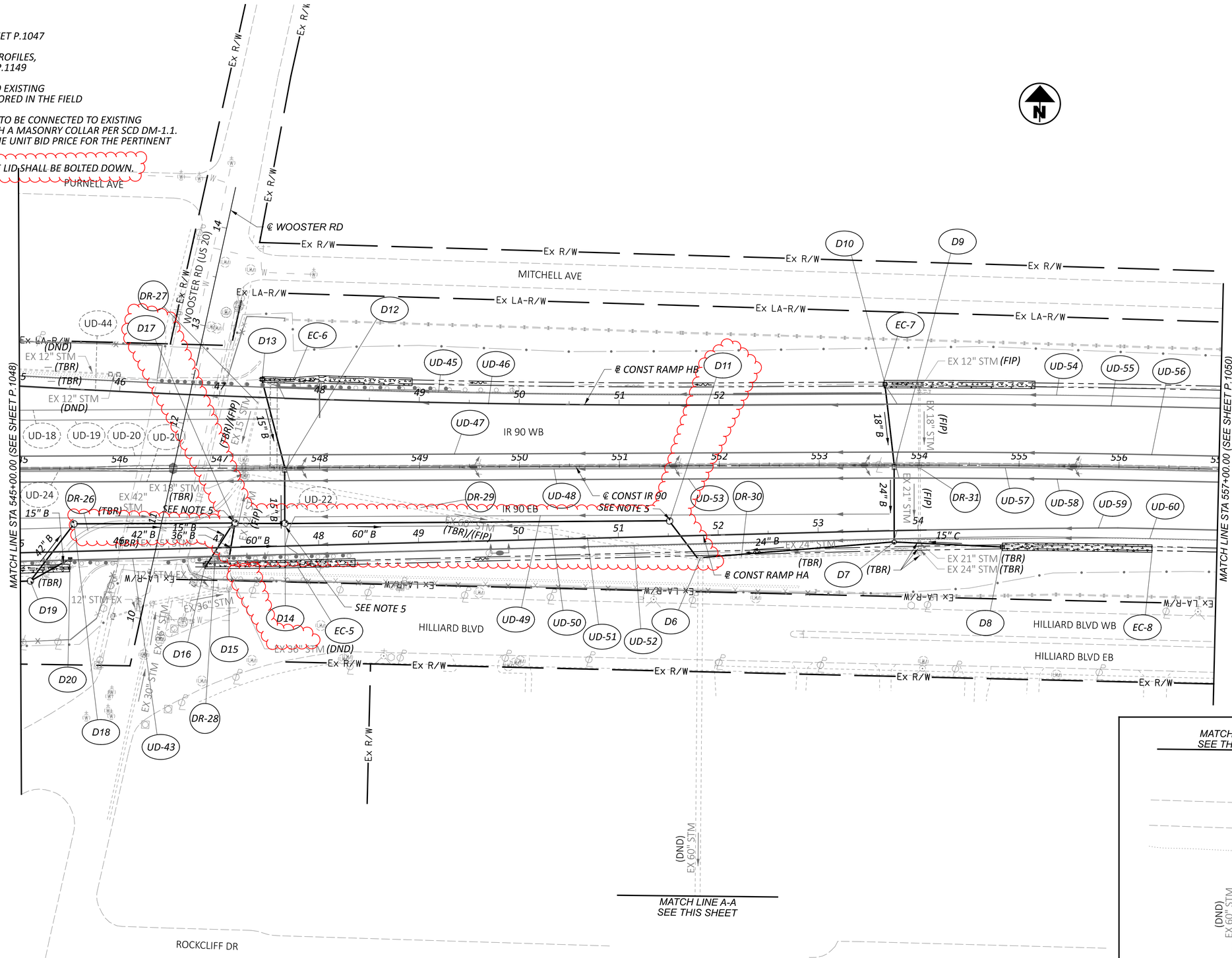
SHEET P.1006 TOTAL P.1587

CUY-90-6.69

MODEL: Hilliard Rd Ramps-3 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 10:06:15 AM USER: jslma
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\Roadway\Sheets\76779_GI001.dgn

NOTES:

1. FOR LEGEND, SEE SHEET P.1047
2. FOR STORM SEWER PROFILES, SEE SHEETS P.1068 - P.1149
3. ALL CONNECTIONS TO EXISTING STRUCTURES 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
5. PROPOSED MANHOLE LID SHALL BE BOLTED DOWN.



HORIZONTAL SCALE IN FEET
0 25 50 100

DRAINAGE PLAN SHEET - IR 90
STA 545+00.00 TO STA 557+00.00

DESIGN AGENCY
STRUCTUREPOINT

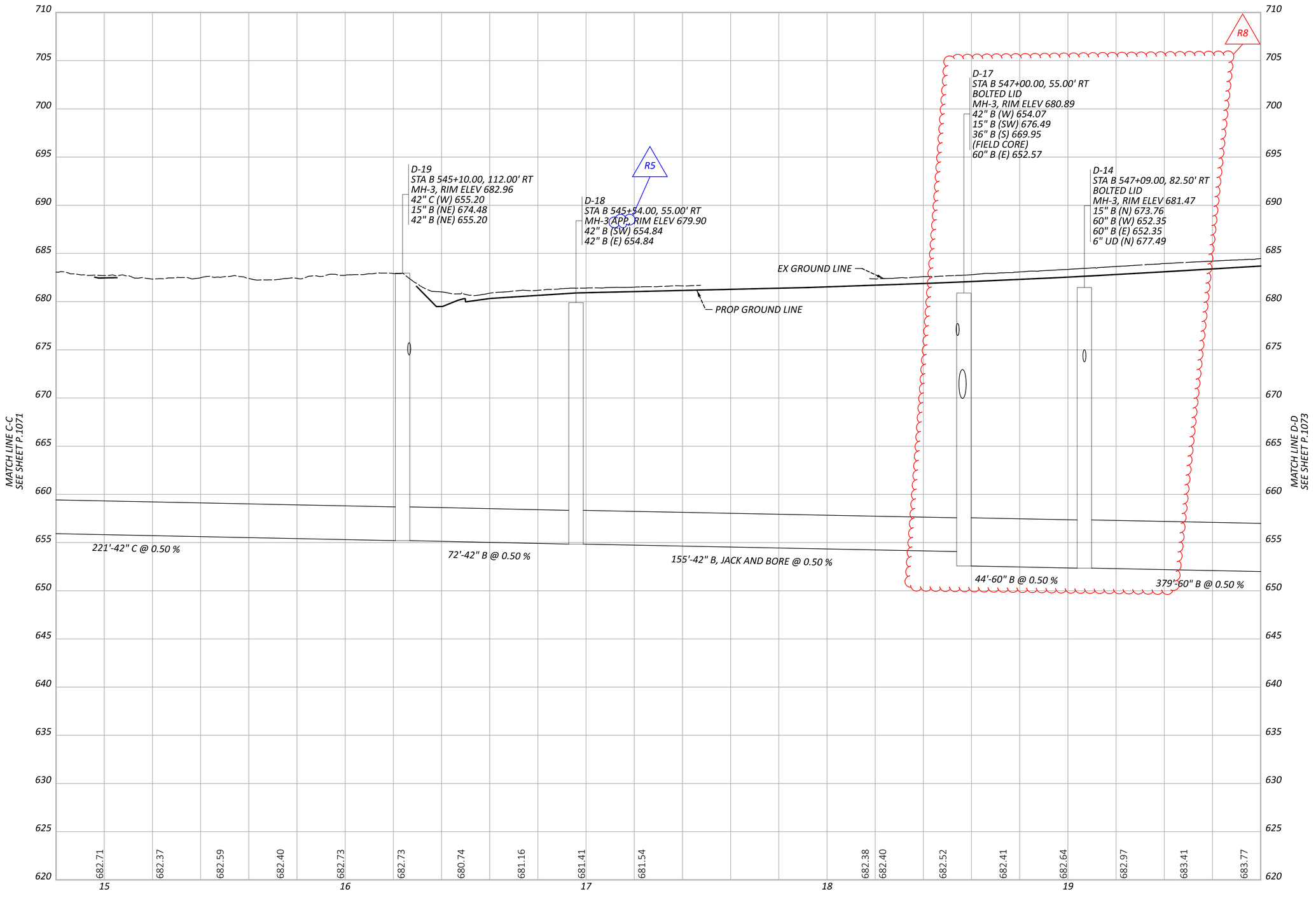
DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1049
TOTAL	P.1587

CUY-90-6.69

MODEL: 76779_DP101 - Plan 04 (Sheet)_STA 545+00 TO STA 557+00 PAPERSIZE: 34x22 (in.) DATE: 4/22/2025 TIME: 1:30:41 PM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DP101.dgn

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

MODEL: B000 - Profile 4 (Sheet) PAPERSIZE: 34x22 (In.) DATE: 4/2/2025 TIME: 12:05:06 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DF030.dgn

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

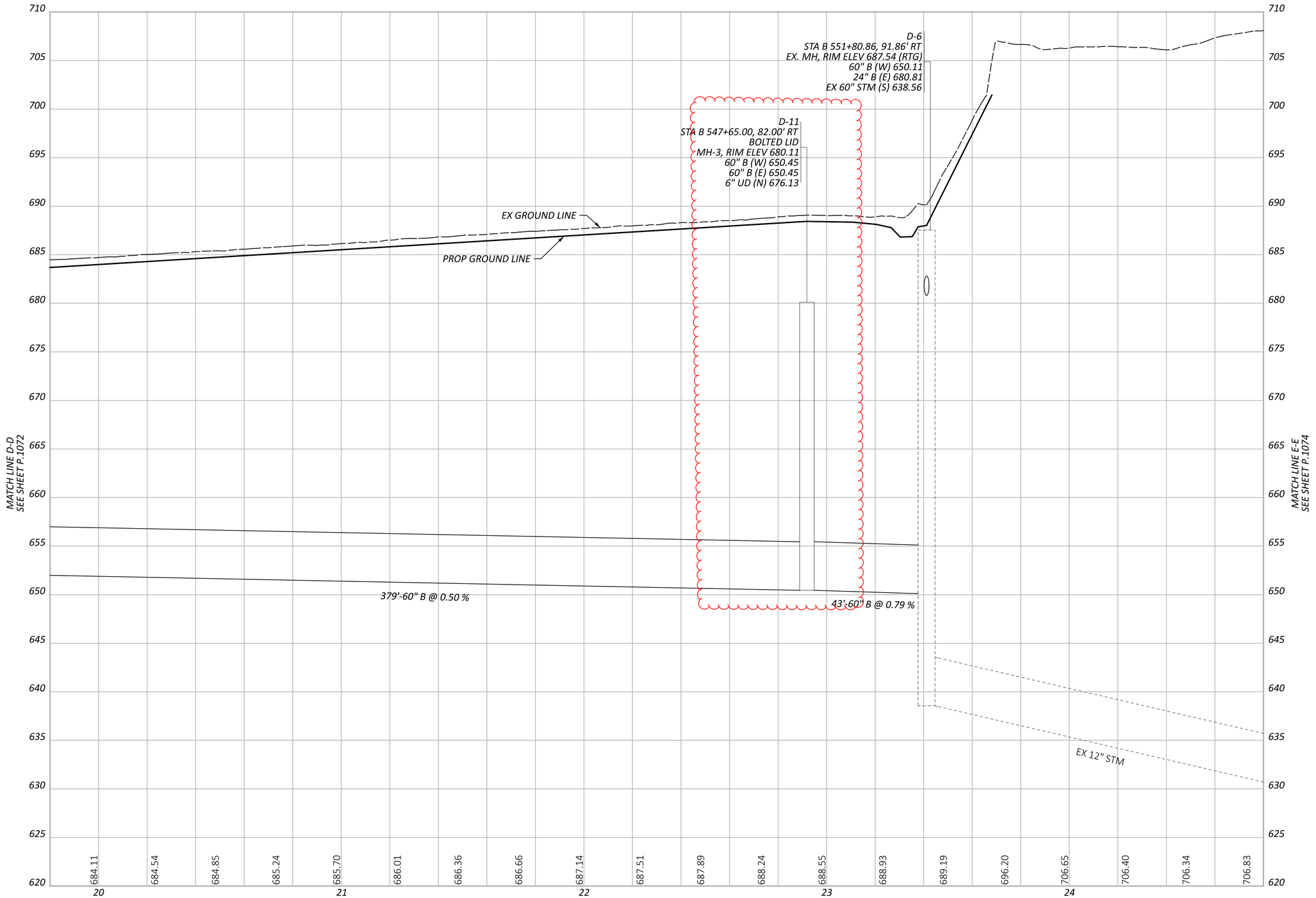
REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1072 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

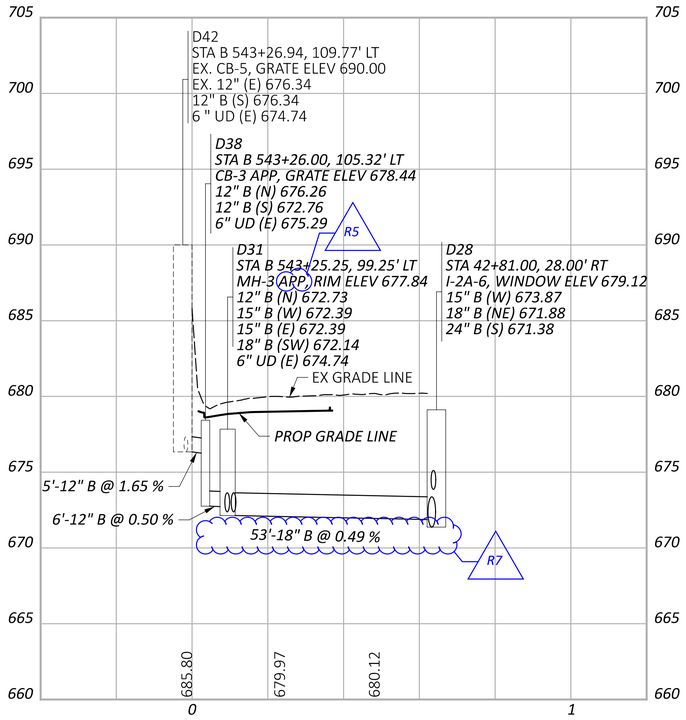
MODEL: B000 - Profile 5 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 12:05:48 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\20200062\76779\400-Engineering\Drainage\Sheets\76779_DF030.dgn

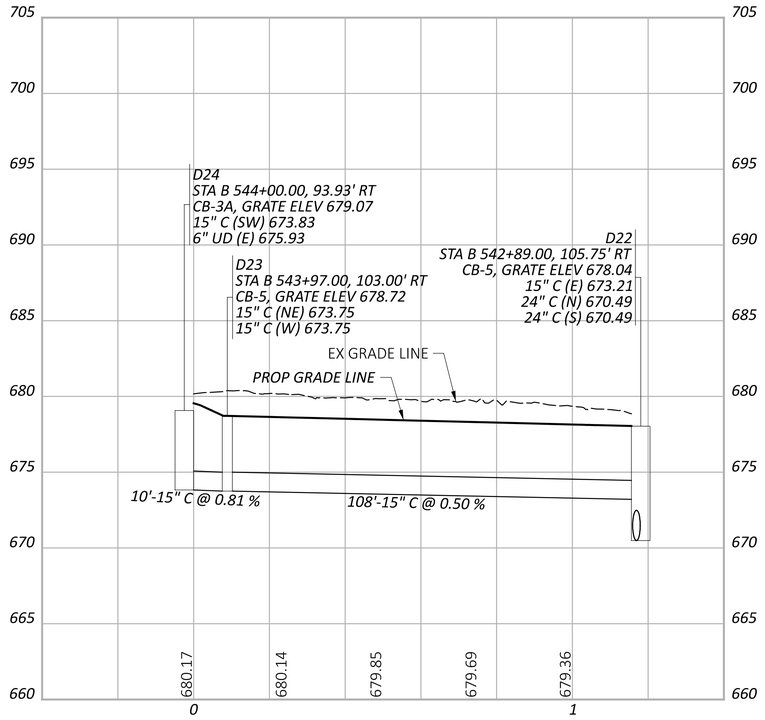
DESIGN AGENCY
STRUCTUREPOINT INC.

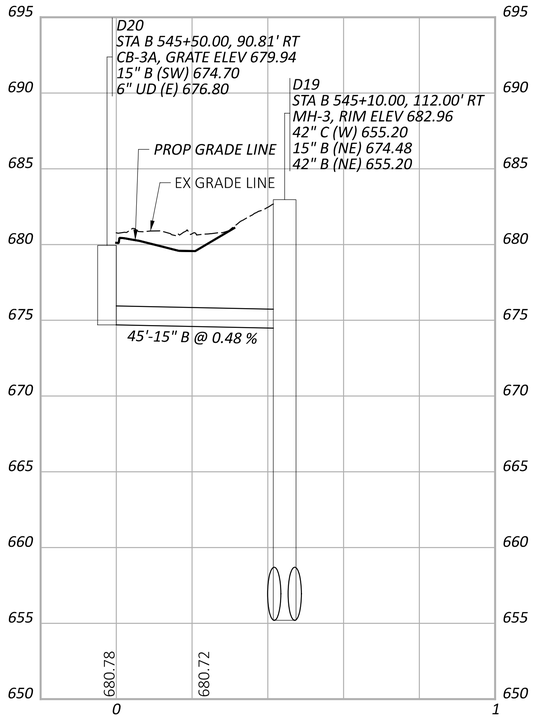
DESIGNER	AJO
REVIEWER	KEM 08/09/23
PROJECT ID	76779
SHEET	P.1073
TOTAL	P.1587

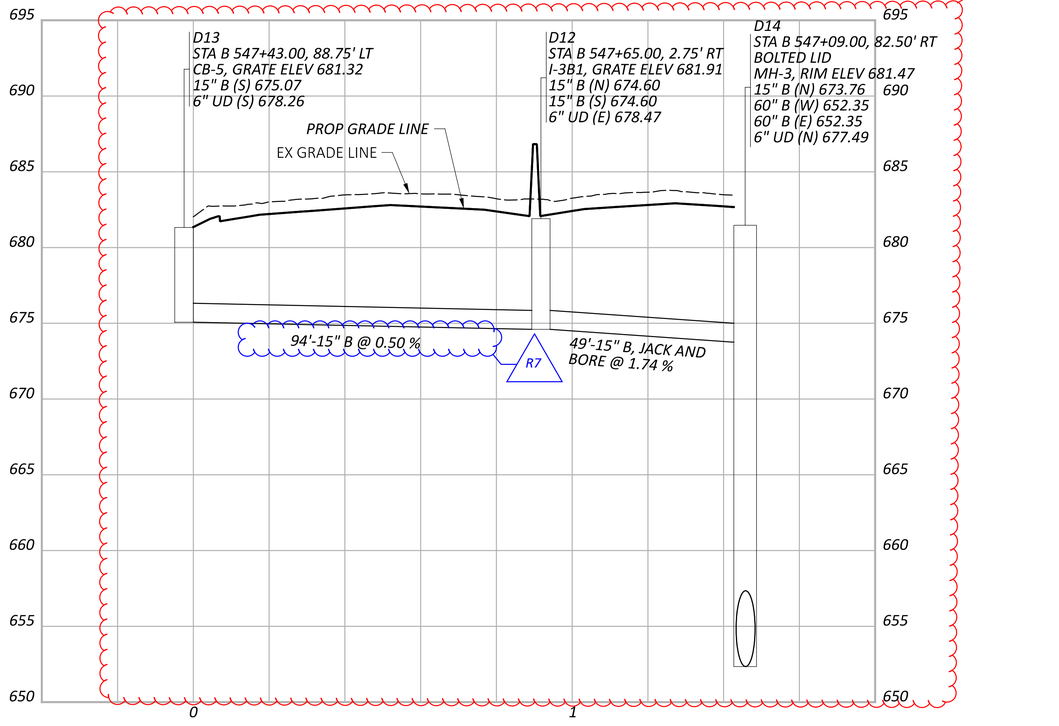
NOTES:

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

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

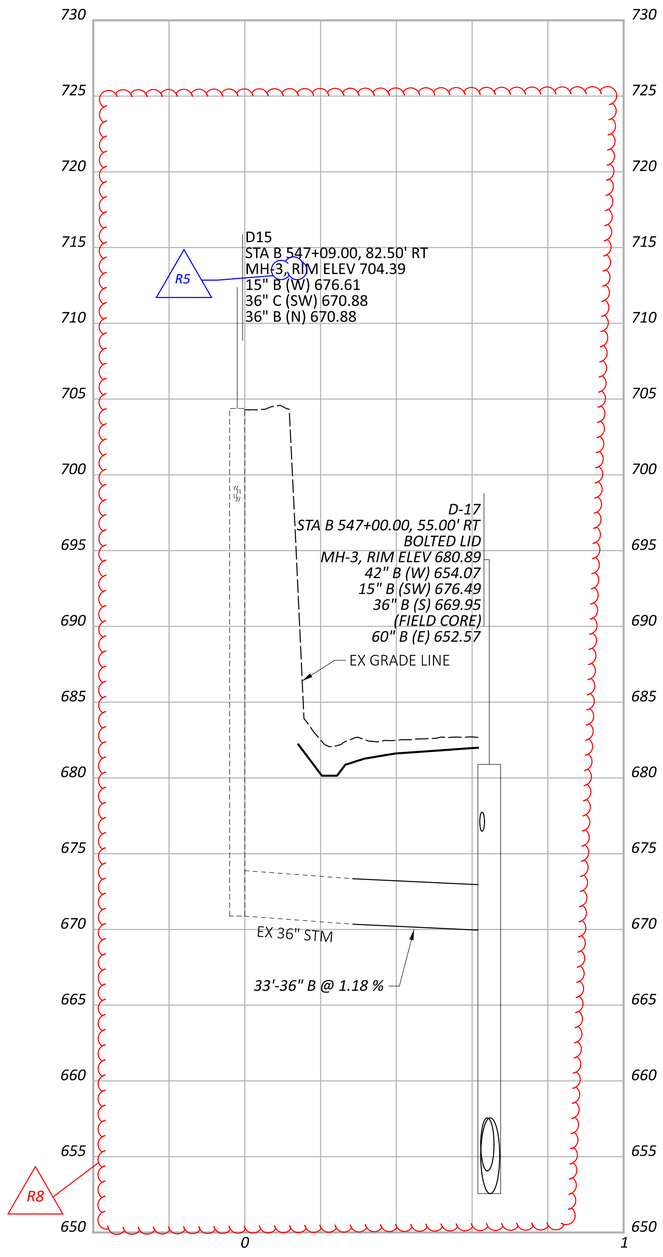
SHEET P.1078 | TOTAL P.1587

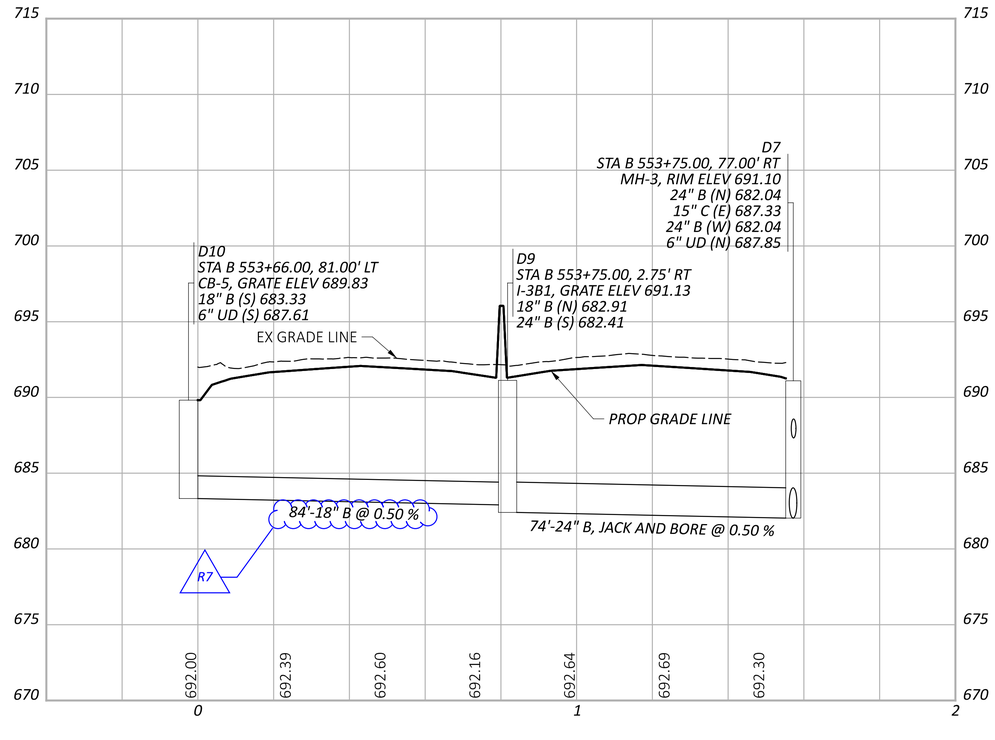
CUY-90-6.69

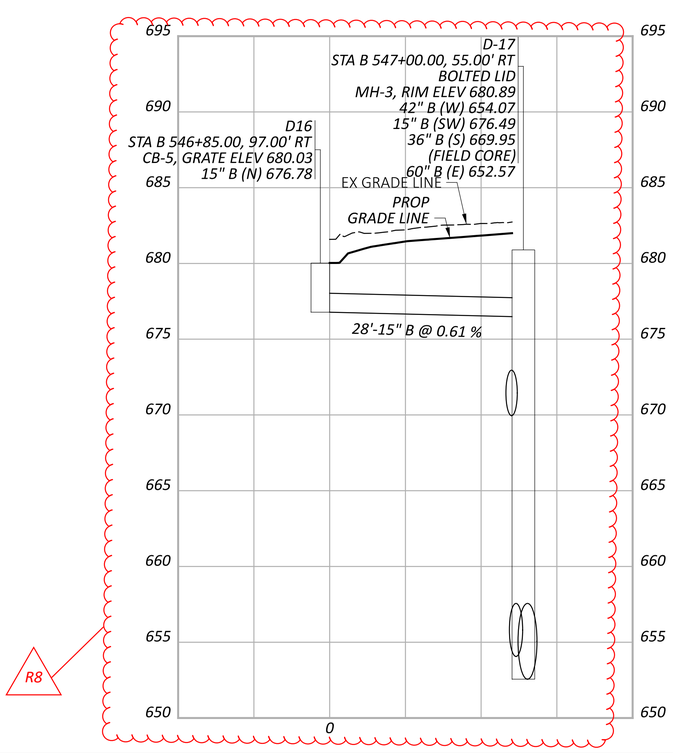
MODEL: B_Branches - 4 [Sheet] PAPERSIZE: 34x22 (in.) DATE: 4/21/2025 TIME: 12:24:03 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DF033.dgn

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

DESIGN AGENCY
AMERICAN STRUCTUREPOINT INC.

DESIGNER
AJO

REVIEWER
KEM 08/09/23

PROJECT ID
76779

SHEET P.1079 TOTAL P.1587

CUY-90-6.69

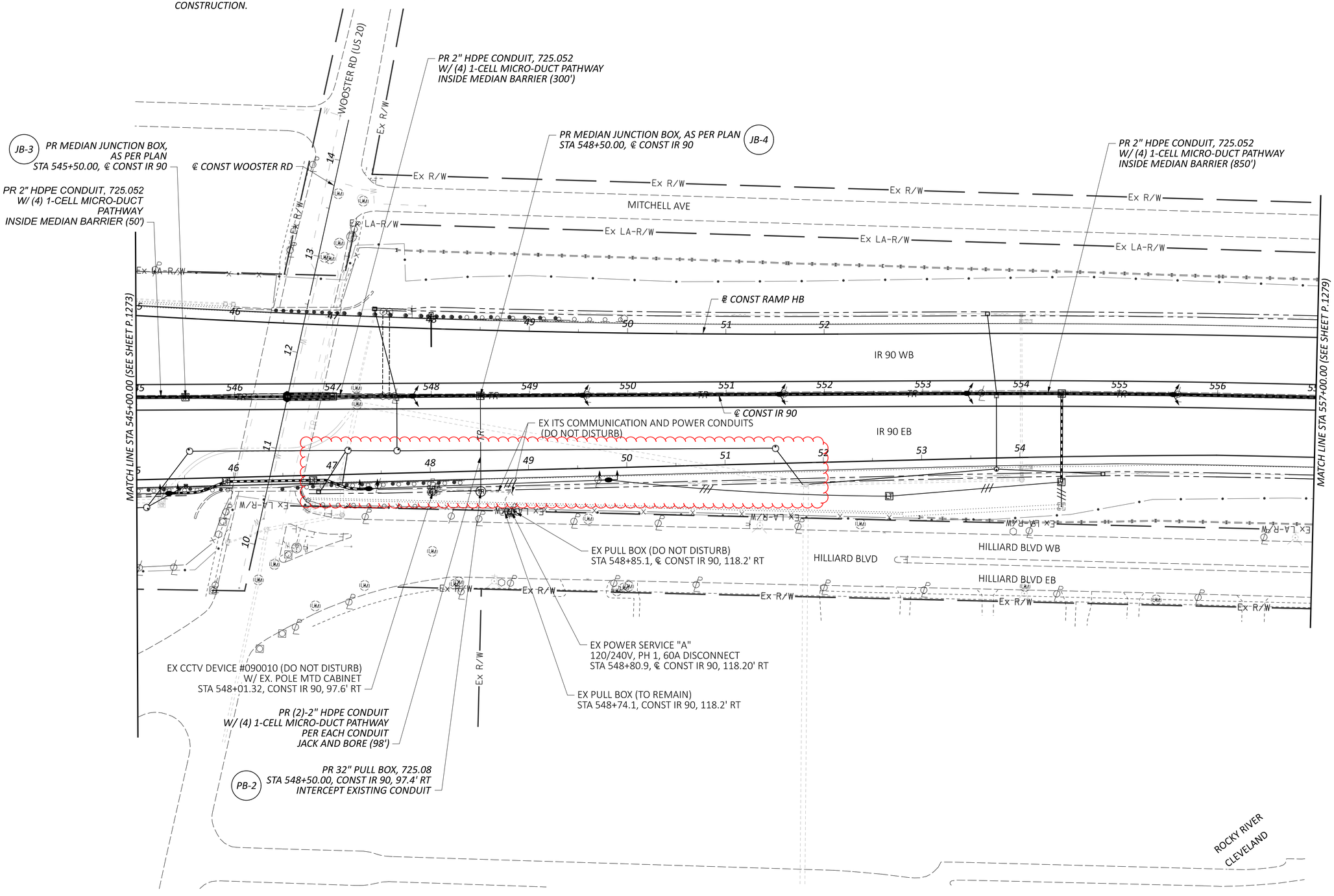
MODEL: B_Branches - 5 (Sheet) PAPERSIZE: 34x22 (in.) DATE: 4/22/2025 TIME: 10:10:59 AM USER: sott
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779\400-Engineering\Drainage\Sheets\76779_DF033.dgn

NOTES:

FOR LEGEND SEE SHEET P.1276.

EXISTING ITS CONDUIT ARE SHOWN BASED ON EXISTING PLANS.
CONTRACTOR SHALL FIELD LOCATE ITS EQUIPMENT PRIOR TO DIGGING.

EXISTING ITS INSTALLATION SHALL REMAIN ACTIVE AND OPERATIONAL DURING CONSTRUCTION.



HORIZONTAL SCALE IN FEET
0 25 50 100

ITS PLAN SHEET - IR 90
STA 545+00.00 TO STA 557+00.00

DESIGN AGENCY
STRUCTUREPOINT LLC

DESIGNER
EMS

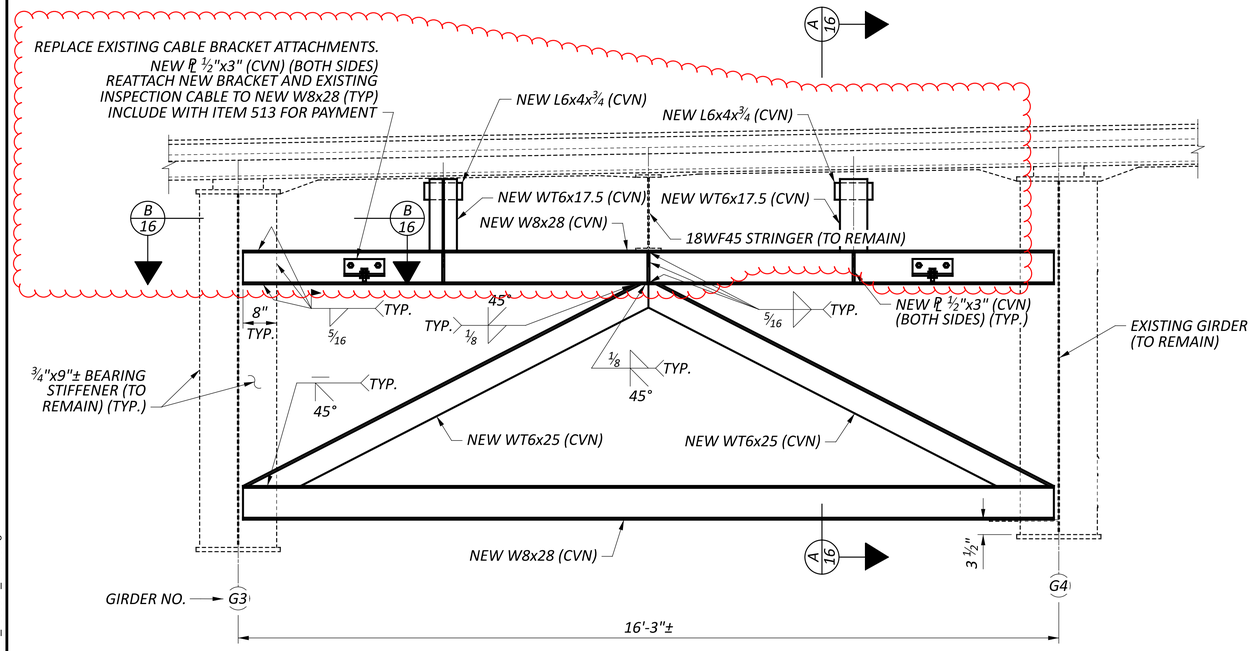
REVIEWER
SMM 08/09/23

PROJECT ID
76779

SHEET P.1278 | TOTAL P.1587

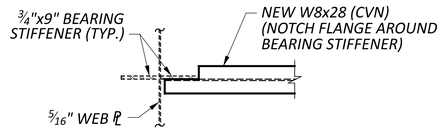
CUY-90-6.69

MODEL: 76779_CPI00 - Plan 4 [Sheet]_STA 545+00 TO STA 557+00 PAPERSIZE: 34x22 (In.) DATE: 4/21/2025 TIME: 10:23:43 AM USER: jsima
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\202000062\76779.400-Engineering\Signals\Sheets\76779_CPI01.dgn

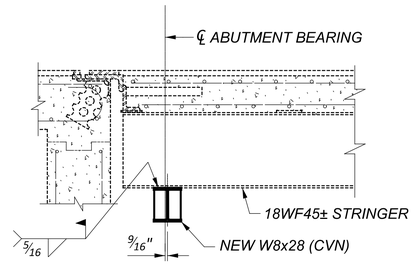


ABUTMENT END CROSSFRAME REPLACEMENT DETAIL

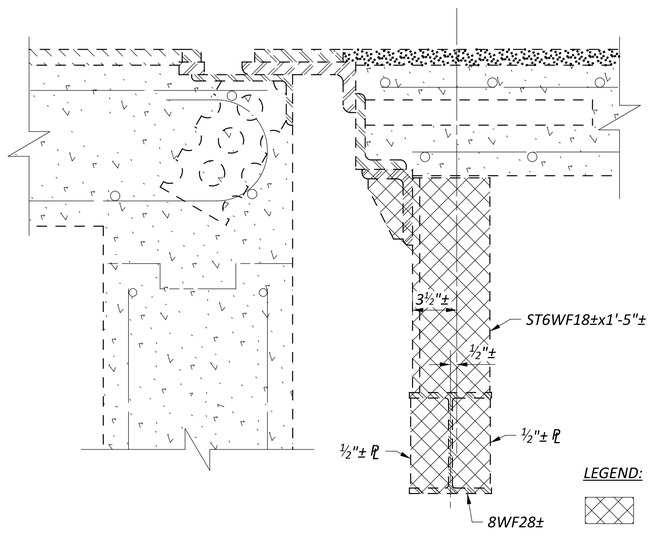
(BAY 3 SHOWN, OTHER BAYS SIMILAR)



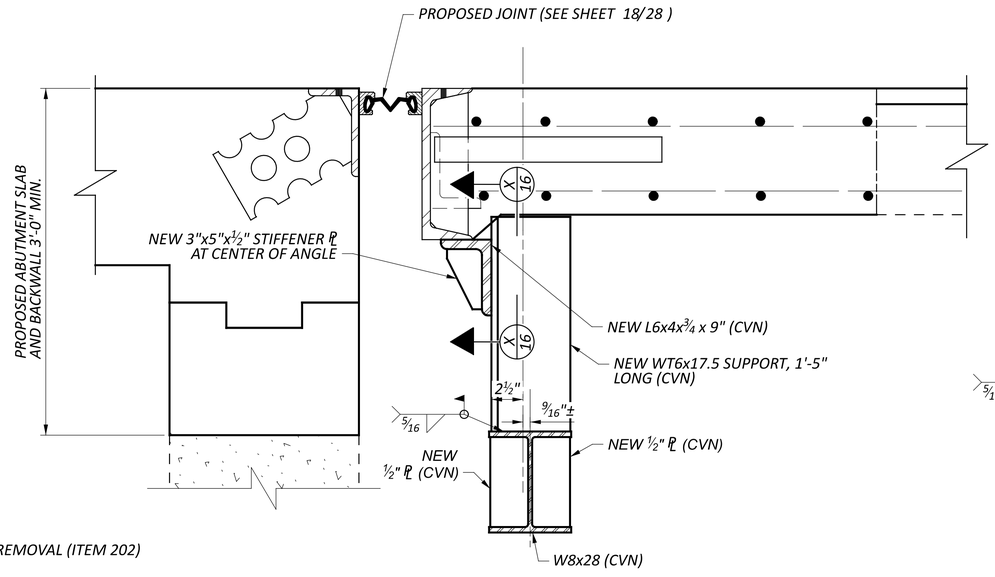
B 16 SECTION



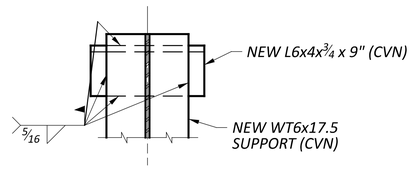
STRINGER CONNECTION DETAIL



A 16 SECTION REMOVAL



A 16 SECTION REPAIR



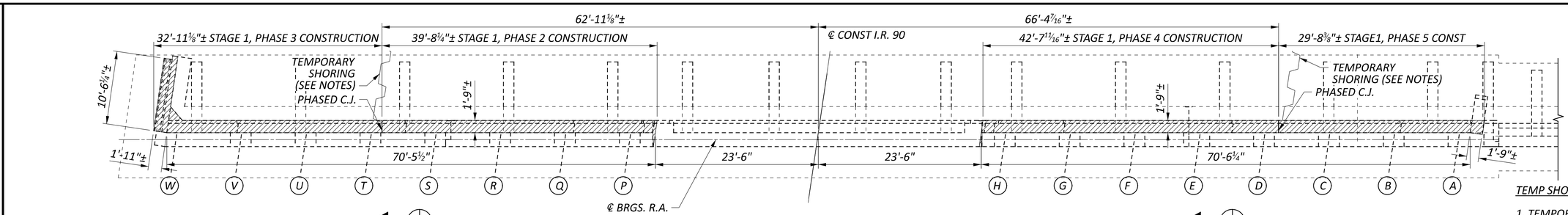
X 16 SECTION

STEEL REPAIRS DETAILS (4 OF 5)
BRIDGE NO.: CUY-00090-07.580
IR 90 OVER ROCKY RIVER VALLEY

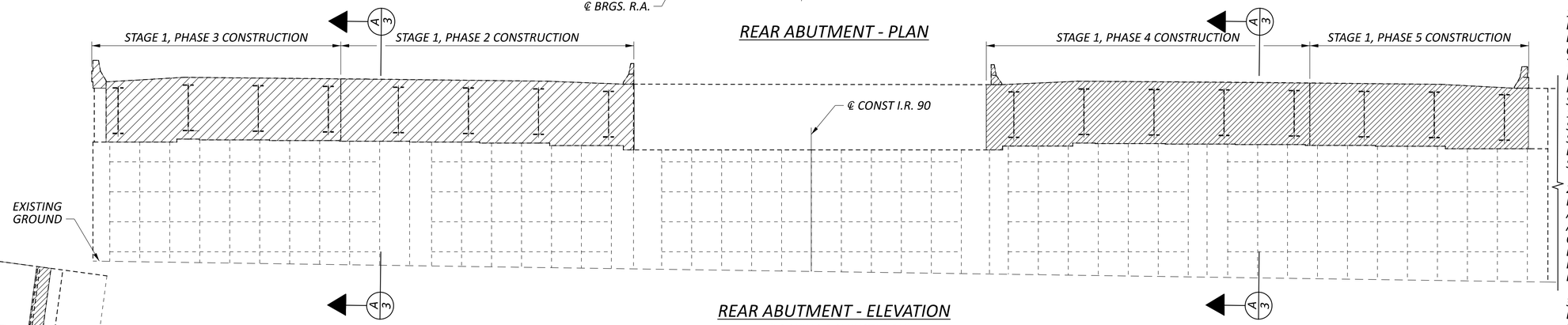
SFN	1808567
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEM
CHECKER	BWC
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	16
TOTAL	28
SHEET	P.1372
TOTAL	P.1587

CUY-90-06.690

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 4/17/2025 TIME: 6:27:02 PM USER: Ccummings
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\2020\00062 - CUY 90\C. Design\122424\400-Engineering\Structures\SFN_1808567_SM009.dgn



REAR ABUTMENT - PLAN

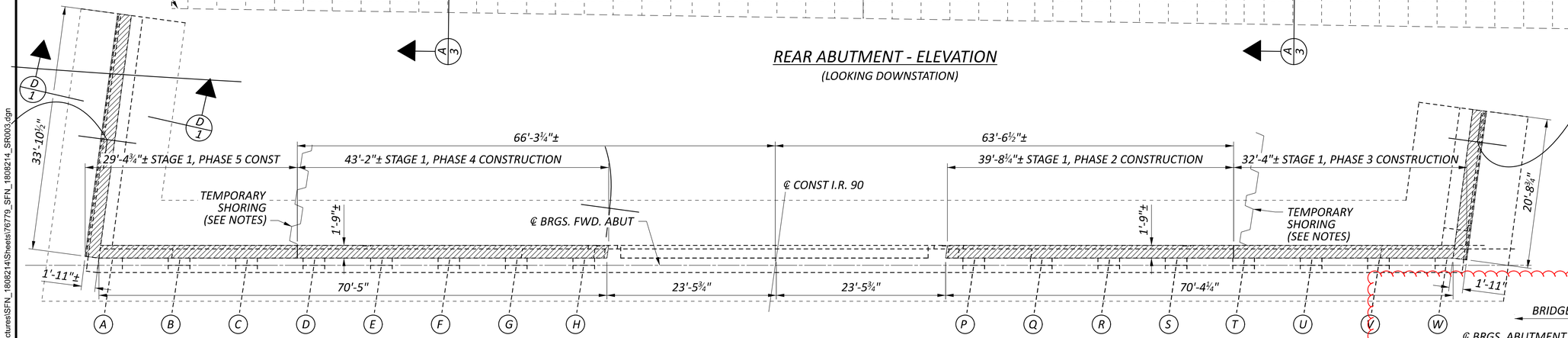


REAR ABUTMENT - ELEVATION

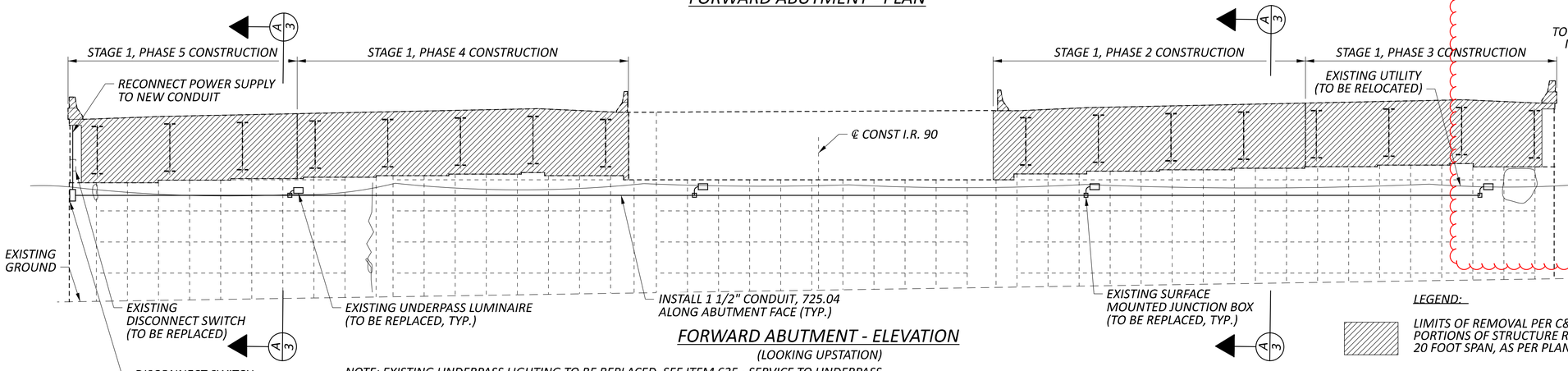
(LOOKING DOWNSTATION)

TEMP SHORING NOTES:

1. TEMPORARY SHORING DESIGN BASED ON A MINIMUM EMBEDMENT OF 17.4 FT AND OVERALL LENGTH OF 27.4 FT. THE MINIMUM SECTION MODULUS FOR TEMPORARY CANTILEVERED SHEET PILE WALL (YIELD STRENGTH = 50 KSI) SHALL BE 18.1 IN^3/FT. THE CHOSEN SHEETING SECTION SHALL HAVE SUFFICIENT SECTION PROPERTIES TO LIMIT DEFLECTION AT TOP OF THE SHORING TO 1 INCH OR LESS.
2. TEMPORARY SHEETING SHALL BE INSTALLED BEFORE EXCAVATION AND REMAIN IN PLACE UNTIL ABUTMENT HAS BEEN FULLY CONSTRUCTED AND THE EMBANKMENT SUFFICIENTLY PLACED AND COMPACTED TO LEVEL OF PROPOSED SUBGRADE.
3. ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO INSTALL AND SUBSEQUENTLY REMOVE THE TEMPORARY SHORING SHALL BE INCLUDED FOR PAYMENT IN THE LUMP SUM PRICE BID FOR ITEM 503 - COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN.

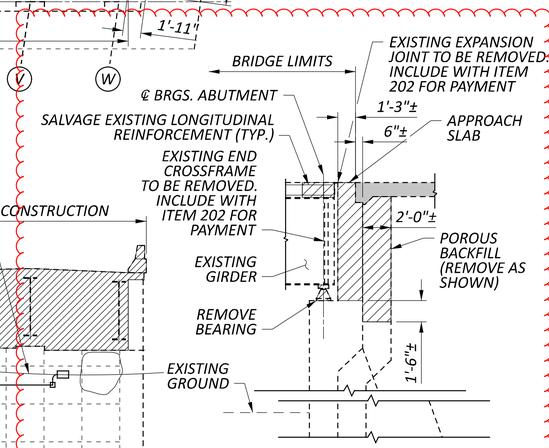


FORWARD ABUTMENT - PLAN



FORWARD ABUTMENT - ELEVATION

(LOOKING UPSTATION)



A 3 SECTION

NOTE: EXISTING UNDERPASS LIGHTING TO BE REPLACED. SEE ITEM 625 - SERVICE TO UNDERPASS LIGHTING, AS PER PLAN IN LIGHTING GENERAL NOTES FOR ADDITIONAL DETAILS AND QUANTITIES. THIS WORK SHALL BEGIN AFTER COMPLETION OF SEMI-INTEGRAL ABUTMENT WORK.

LEGEND:

LIMITS OF REMOVAL PER C&MS ITEM 202 - PORTIONS OF STRUCTURE REMOVED OVER 20 FOOT SPAN, AS PER PLAN

LIMITS OF REMOVAL PER ITEM 202 - APPROACH SLAB REMOVED

ABUTMENT REMOVAL DETAILS
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	LPC
REVIEWER	CDC 04/07/23
PROJECT ID	76779
SUBSET	3
TOTAL	28
SHEET	P.1458
TOTAL	P.1587

CUY-90-06.690

MODEL: Sheet PAPERSIZE: 17x11 (in.) DATE: 4/17/2025 TIME: 10:27:53 AM USER: David.Fell
pw:\\structurepoint-pw.bentley.com:structurepoint-pw-01\Documents\Projects\2020000627\76779400-Engineering\Structures\SFN_1808214\Sheets\76779_SFN_1808214_SR003.dgn