

ITEM 614, MAINTAINING TRAFFIC

A MINIMUM OF 3 LANES OF TRAFFIC IN THE EB DIRECTION AND 2 LANES OF TRAFFIC IN THE WB DIRECTION SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT OR THE COMPLETED PAVEMENT. THE ONLY EXCEPTIONS TO THIS HAVE BEEN APPROVED BY ODOT'S MAINTENANCE OF TRAFFIC EXCEPTION COMMITTEE (MOTEC) AS OUTLINED IN THESE NOTES DURING WHICH 2 LANES OF TRAFFIC IN EACH DIRECTION WILL BE PERMITTED FOR SPECIFIC SHORT PERIODS OF TIME.

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.

NO LANE OR RAMP CLOSURES OR DETOURS SHALL BE ALLOWED DURING THE DAYS OF ANY OHIO STATE HOME FOOTBALL GAMES.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS 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	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
ROAD	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
CLOSURES	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

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.

SEQUENCE OF CONSTRUCTION

PHASE 1

SHIFT THE THREE EASTBOUND AND THE THREE WESTBOUND LANES OF TRAFFIC TO THE OUTSIDE SHOULDERS AND CLOSE THE MEDIAN. WORK TO BE COMPLETED DURING THIS PHASE IS MEDIAN PARAPET REMOVAL AND RECONSTRUCTION, LIGHTING REMOVAL AND RECONSTRUCTION, SCUPPER REPLACEMENT, PIER CAP REPAIRS AND PAINTING OF THE INTERIOR GIRDERS. WHEN WORK OCCURS DIRECTLY OVER MCKINLEY AVE, IT SHALL BE CLOSED AND DETOURED PER SHEET P.69 . NO LONG-TERM CLOSURES OF THE EXISTING SCIOTO TRAIL ARE PERMITTED. SHORT-TERM CLOSURES BY MEANS OF FLAGGING ARE PERMISSABLE WHILE WORK OCCURS DIRECTLY ABOVE THE TRAIL, BUT NO CLOSURE SHALL EXCEED A DURATION OF 30 MINUTES. I-70 WB TRAFFIC SHALL BE MOVED AWAY FROM OVERHEAD WORK EITHER BY SHIFTING BOTH LANES PER SCD MT-102.20 OR CLOSING A SINGLE LANE PER MT-95.30 AND IN ACCORDANCE WITH THE PERMITTED LANE CLOSURE SCHEDULE PUBLISHED BY ODOT. PRIOR TO TRANSITIONING TO PHASE 2, THE MEDIAN PARAPET RECONSTRUCTION SHALL BE COMPLETED.

PHASE 2

THE WORK TO BE COMPLETED IN PHASE 2 INCLUDES DECK PATCHING, HYDRO DEMOLITION, AND OVERLAY TO THE MEDIAN HALVES OF THE EASTBOUND AND WESTBOUND BRIDGES AND APPROACH SLABS. TO COMPLETE THIS WORK, THE PHASE 1 WORK ZONE SHALL BE WIDENED BY REDUCING TRAFFIC FROM 3 TO 2 LANES. A MAINTENANCE OF TRAFFIC POLICY EXCEPTION HAS BEEN GRANTED FOR THE LANE CLOSURE AND IS DETAILED IN A SEPARATE MOT NOTE ON THIS SHEET. TO PROVIDE AN ADDITIONAL ACCESS POINT TO THE MIDPOINT OF THE CONSTRUCTION ZONE, A 100' GAP IN THE BARRIER IS PERMITTED FOR THE DURATION OF PHASE 2, ALONG WITH CLOSURES OF THE MEDIAN SIDE LANE WITH DRUMS DURING THE ALLOWABLE 3 TO 1 LANE REDUCTION HOURS AS INDICATED IN THE LANE VALUE CONTRACT TABLE INCLUDED ON THIS SHEET. THE GRANDVIEW AVE WESTBOUND ON-RAMP SHALL BE CLOSED AND DETOURED PER SHEET P.68 FOR THE DURATION OF PHASE 2. A PHASE 2 NIGHT TIME CONTRACTOR ACCESS CLOSURE DETAIL HAS BEEN PROVIDED ON SHEET P.66 . TWO LANES IN EACH DIRECTION SHALL BE MAINTAINED AT ALL OTHER TIMES DURING PHASE 2.

PHASE 3

SHIFT ALL THREE EASTBOUND AND WESTBOUND LANES OF TRAFFIC TO THE INSIDE MEDIAN SHOULDERS AND CLOSE THE OUTSIDE SHOULDERS. WORK TO BE COMPLETED DURING THIS PHASE INCLUDES OUTSIDE PARAPET REMOVAL AND RECONSTRUCTION, SCUPPER REPLACEMENT, PIER CAP REPAIRS, PIER 2A REPAIRS, PAINTING OF THE EXTERIOR GIRDERS, AND GUARDRAIL REMOVAL AND REPLACEMENT. NO LONG-TERM CLOSURES OF THE EXISTING SCIOTO TRAIL ARE PERMITTED. SHORT-TERM CLOSURES BY MEANS OF FLAGGING ARE PERMISSIBLE WHILE WORK OCCURS DIRECTLY ABOVE THE TRAIL, BUT NO CLOSURE SHALL EXCEED A DURATION OF 30 MINUTES. PRIOR TO TRANSITIONING TO PHASE 4, THE MEDIAN PARAPET RECONSTRUCTION AND PIER 2A REPAIRS SHALL BE COMPLETED.

PHASE 4

THE WORK TO BE COMPLETED IN PHASE 4 INCLUDES DECK PATCHING, HYDRO DEMOLITION, AND OVERLAY TO THE OUTSIDE HALVES OF THE EASTBOUND AND WESTBOUND BRIDGES AND APPROACH SLABS. TO COMPLETE THIS WORK, THE PHASE 3 WORK ZONE SHALL BE WIDENED BY REDUCING TRAFFIC FROM 3 TO 2 LANES. A MAINTENANCE OF TRAFFIC POLICY EXCEPTION HAS BEEN GRANTED FOR THE LANE CLOSURE AND IS DETAILED IN A SEPARATE MOT NOTE ON THIS SHEET. THE GRANDVIEW AVE WESTBOUND ON-RAMP SHALL BE CLOSED AND DETOURED PER SHEET P.68 FOR THE DURATION OF PHASE 4. A PHASE 4 NIGHT TIME CONTRACTOR ACCESS CLOSURE DETAIL HAS BEEN PROVIDED ON SHEET P.67 . TWO LANES IN EACH DIRECTION SHALL BE MAINTAINED AT ALL OTHER TIMES DURING PHASE 4.

SEQUENCE OF CONSTRUCTION, CONT.

POST PHASE 4

THIS PHASE CONSISTS OF PLANING AND RESURFACING THE ROADWAY SEGMENTS BEYOND AND BETWEEN THE BRIDGE APPROACH SLABS, BY UTILIZING SHORT TERM LANE CLOSURES PER SCD MT-95.30 AND PLACING FINAL PAVEMENT MARKINGS AND RPM'S WITH TRAFFIC CONTROL PER SCD MT-99.20. ANY LANE CLOSURES SHALL BE PER THE PERMITTED LANE CLOSURE SCHEDULE PUBLISHED BY ODOT AND SHOWN ON THIS SHEET.

WELDING OF MANHOLE COVERS

PRIOR TO PHASE 1 WHEN TRAFFIC WILL BE SHIFTED ONTO THE OUTSIDE SHOULDERS OF I-670 EASTBOUND AND WESTBOUND, THE COVERS/GRATES OF THE EXISTING DRAINAGE STRUCTURES AT THE FOLLOWING LOCATIONS SHALL BE WELDED SHUT TO PREVENT THE COVERS/GRATES FROM COMING OFF UNDER LIVE TRAFFIC:

STA. 335+90, 3.4' LT	STA. 332+93, 69.7' RT
STA. 337+97, 2.7' LT	STA. 342+40, 2.8' RT
STA. 339+98, 2.6' LT	STA. 343+03, 56.4' RT
STA. 341+69, 55.7' LT	STA. 345+30, 2.8' RT
STA. 344+86, 55.8' LT	STA. 345+68, 56.5' RT
STA. 361+48, 3.0' LT	STA. 348+05, 3.3' RT
STA. 361+48, 57.3' LT	STA. 348+78, 56.5' RT
	STA. 361+49, 56.7' RT

ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS NECESSARY TO ADEQUATELY WELD THE MANHOLE COVER SHUT SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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

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.

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

PORTIONS OF THE MOT PLANS AS DESCRIBED BELOW HAVE APPROVED MOT EXCEPTION(S) PER TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

APPROVED MOT EXCEPTION(S) INCLUDE: REDUCE I-670 FROM 3 TO 2 LANES IN BOTH DIRECTIONS FOR 7 CONSECUTIVE DAYS FOR PHASE 2 AND 7 CONSECUTIVE DAYS FOR PHASE 4 (14 DAYS IN TOTAL)

ALLOWABLE BEGIN AND END TIMES FOR 7 DAY RESTRICTION

7 PM FRI TO 5 AM MON
6 PM SAT TO 5 AM TUE
6 PM SUN TO 5 AM WED
7 PM MON TO 5 AM THUR
7 PM TUE TO 5 AM FRI
7 PM WED TO 4PM SAT
7 PM THUR TO 4 PM SUN

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, THE CITY OF COLUMBUS, THE CITY OF GRANDVIEW, AND FRANKLIN COUNTY AS WELL AS THE CONTRACTOR, WORKSITE TRAFFIC SUPERVISOR (WTS) AND ANY SUBCONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

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 EMAIL 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 9/3/21 FOR PID 111641" 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.

NOTIFICATIONS DURING CLOSURE REQUIRED

A DESIGNATED ON-SITE POINT OF CONTACT SHOULD COMMUNICATE WITH THE TMC AS THE STATUS OF THE CLOSURE CHANGES. CONTACT THE TMC:

- IF THE CLOSURE IS POSTPONED OR CANCELLED
- AT THE TIME THE CLOSURE IS IMPLEMENTED
- AT THE TIME THE CLOSURE IS REMOVED AND ALL LANES RESTORED
- IF THE CLOSURE WILL NOT BE OPENING ON TIME

CONTACT CAN BE MADE WITH THE TMC IN THE FOLLOWING WAYS:

- PHONE: 1-614-387-2438 OR 1-800-884-4030
- EMAIL: STATEWIDETMC@DOT.OHIO.GOV
- RADIO: XDOT MAIN

DESIGN AGENCY

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EXTRA ADVANCE WARNING SIGNS

AN EXTRA ADVANCE WARNING SIGN GROUP CONSISTS OF TWO W20-1 (ROAD WORK AHEAD) SIGNS, TWO W20-5 (RIGHT /LEFT LANE CLOSED AHEAD) SIGNS WITH W16-3A DISTANCE PLATES, AND TWO W3-H7 (WATCH FOR STOPPED TRAFFIC) SIGNS AND REQUIRED WARNING LIGHTS.

THE CONTRACTOR SHALL PROVIDE, ERECT, MAINTAIN AND REMOVE EXTRA ADVANCE WARNING SIGN GROUPS AS SHOWN ON TRAFFIC SCD MT-95.50 AT THE FOLLOWING DISTANCES IN ADVANCE OF THE LANE TAPERS WITH THE APPROPRIATE W16-3A DISTANCE PLATES:

- 1) LANE TAPER NO. 1, STATION 317+00 EB, PHASE 2; PROVIDE SIGN GROUP AT 2 MILES.
- 2) LANE TAPER NO. 2, STATION 370+66 WB, PHASE 2; PROVIDE SIGN GROUP AT 2 MILES.
- 3) LANE TAPER NO. 3, STATION 323+23 EB, PHASE 4; PROVIDE SIGN GROUP AT 2 MILES.
- 4) LANE TAPER NO. 4, STATION 372+76 WB, PHASE 4; PROVIDE SIGN GROUP AT 2 MILES.

PAYMENT FOR PROVIDING, ERECTING, MAINTAINING AND REMOVING EXTRA ADVANCE WARNING SIGN GROUPS SHALL BE INCLUDED IN THE LUMP SUM BID FOR ITEM 614, MAINTAINING TRAFFIC.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN

THE CONTRACTOR SHALL FURNISH, INSTALL, MAINTAIN AND REMOVE, WHEN NO LONGER NEEDED, A CHANGEABLE MESSAGE SIGN. THE SIGN SHALL BE OF A TYPE SHOWN ON A LIST OF APPROVED PCMS UNITS AVAILABLE ON THE OFFICE OF MATERIALS MANAGEMENT WEB PAGE. THE LIST CONTAINS CLASS A AND B UNITS WITH MINIMUM LEGIBILITY DISTANCES OF 800 FEET AND 650 FEET, RESPECTIVELY.

EACH SIGN SHALL BE TRAILER-MOUNTED AND EQUIPPED WITH A FUNCTIONAL DIMMING MECHANISM, TO DIM THE SIGN DURING DARKNESS, AND A TAMPER AND VANDAL PROOF ENCLOSURE. EACH SIGN SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ON-SITE PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT. THE SIGN SHALL ALSO BE CAPABLE OF BEING POWERED BY AN ELECTRICAL SERVICE DROP FROM A LOCAL UTILITY COMPANY. THE PCMS SHALL BE DELINEATED IN ACCORDANCE WITH C&MS 614.03.

THE PROBABLE PCMS LOCATIONS AND WORK LIMITS FOR THOSE LOCATIONS ARE SHOWN ON SHEET(S) P.26, P.41, P.52, & P.53 OF THE PLAN. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE SIGNS BY THE CONTRACTOR SHALL BE AS DIRECTED BY THE ENGINEER. THE PCMS SHALL BE LOCATED IN A HIGHLY VISIBLE POSITION YET PROTECTED FROM TRAFFIC. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE ENGINEER, RELOCATE THE PCMS TO IMPROVE VISIBILITY OR ACCOMMODATE CHANGED CONDITIONS. WHEN NOT IN USE, THE PCMS SHALL BE TURNED OFF. ADDITIONALLY, WHEN NOT IN USE FOR EXTENDED PERIODS OF TIME, THE PCMS SHALL BE TURNED AWAY FROM ALL TRAFFIC.

THE ENGINEER SHALL BE PROVIDED ACCESS TO EACH SIGN UNIT AND SHALL BE PROVIDED WITH APPROPRIATE TRAINING AND OPERATION INSTRUCTIONS TO ENABLE ODOT PERSONNEL TO OPERATE AND TROUBLESHOOT THE UNIT, AND TO REVISE SIGN MESSAGES, IF NECESSARY.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGNS, AS PER PLAN (CONT'D)

ALL MESSAGES TO BE DISPLAYED ON THE SIGN WILL BE PROVIDED BY THE ENGINEER. A LIST OF ALL REQUIRED PRE-PROGRAMMED MESSAGES WILL BE GIVEN TO THE CONTRACTOR AT THE PROJECT PRECONSTRUCTION CONFERENCE. THE SIGN SHALL HAVE THE CAPABILITY TO STORE UP TO 99 MESSAGES. MESSAGE MEMORY OR PRE-PROGRAMMED DISPLAYS SHALL NOT BE LOST AS A RESULT OF POWER FAILURES TO THE ON-BOARD COMPUTER. THE SIGN LEGEND SHALL BE CAPABLE OF BEING CHANGED IN THE FIELD. THREE-LINE PRESENTATION FORMATS WITH UP TO SIX MESSAGE PHASES SHALL BE SUPPORTED. PCMS FORMAT SHALL PERMIT THE COMPLETE MESSAGE FOR EACH PHASE TO BE READ AT LEAST TWICE.

THE PCMS SHALL CONTAIN AN ACCURATE CLOCK AND PROGRAMMING LOGIC WHICH WILL ALLOW THE SIGN TO BE ACTIVATED, DEACTIVATED OR MESSAGES CHANGED AUTOMATICALLY AT DIFFERENT TIMES OF THE DAY FOR DIFFERENT DAYS OF THE WEEK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR 24-HOUR-PER-DAY OPERATION AND MAINTENANCE OF THESE SIGNS ON THE PROJECT FOR THE DURATION OF THE PHASES WHEN THE PLAN REQUIRES THEIR USE.

PAYMENT FOR THE ABOVE DESCRIBED ITEM SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, FUELS, LUBRICATING OILS, SOFTWARE, HARDWARE AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK.

ITEM 614, PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN ASSUMING 2 PCMS SIGN(S) FOR 6 MONTH(S) 12 SIGN MONTH

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 PARAPETS) 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.

DELINEATION OF PORTABLE AND PERMANENT BARRIER (CONT'D)

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

QUANTITIES FOR ITEM 614 BARRIER REFLECTOR TYPE B, ONE WAY AND ITEM 614 OBJECT MARKER, ONE WAY HAVE BEEN INCLUDED IN THE MOT SUBSUMMARY FOR THE WORK DESCRIBED ABOVE .

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

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.

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 REFLECTORS.

QUANTITIES FOR ITEM 614 BARRIER REFLECTOR, TYPE A, ONE WAY, AND ITEM 614 OBJECT MARKER, ONE WAY HAVE BEEN INCLUDED IN THE MOT SUBSUMMARY FOR THE WORK DESCRIBED ABOVE .

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

FLOODLIGHTING

FLOODLIGHTING OF THE WORK SITE FOR OPERATIONS CONDUCTED DURING NIGHTTIME PERIODS SHALL BE ACCOMPLISHED SO THAT THE LIGHTS DO NOT CAUSE GLARE TO THE DRIVERS ON THE ROADWAY. TO ENSURE THE ADEQUACY OF THE FLOODLIGHT PLACEMENT, THE CONTRACTOR AND THE ENGINEER SHALL DRIVE THROUGH THE WORK SITE EACH NIGHT WHEN THE LIGHTING IS IN PLACE AND OPERATIVE PRIOR TO COMMENCING ANY WORK. IF GLARE IS DETECTED, THE LIGHT PLACEMENT AND SHIELDING SHALL BE ADJUSTED TO THE SATISFACTION OF THE ENGINEER BEFORE WORK PROCEEDS.

PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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.

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 4 EACH

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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) SHOULD BE PROVIDED FOR THE FOLLOWING 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 OR 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: (1) ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND (2) AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION; AND, (3) AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

"WITHOUT POSITIVE PROTECTION" MEANS USE OF DRUMS, CONES, SHADOW VEHICLE, ETC, WITHOUT PROTECTION FROM PORTABLE BARRIER OR OTHER RIGID BARRIER ALONG THE WORK AREA. THIS PHRASE DOES NOT APPLY TO CASES WHERE POSITIVE PROTECTION IS REQUIRED. MOBILE OPERATIONS ARE REGARDED AS "WITHOUT POSITIVE PROTECTION". FOR WORK ZONES USING A COMBINATION OF BARRIER AND TEMPORARY TRAFFIC CONTROL DEVICES (CONES, DRUMS, ETC), THE DESIGNATION SHALL BE BASED UPON THE TYPE OF DEVICES USED IN THE AREA THAT WORKERS ARE LOCATED.

IF MULTIPLE ACTIVE LOCALIZED QUALIFYING WORK AREAS OCCUR WITHOUT POSITIVE PROTECTION, PER MAINLINE TRAFFIC DIRECTION, PROVIDE A UNIFORMED LEO AND OFFICIAL PATROL CAR IN ADVANCE OF:

- (1) THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR
- (2) THE ACTIVE WORK AREA LATERALLY CLOSEST TO THE OPEN TRAVELED LANE; OR
- (3) OTHER LOCATION AS APPROVED BY THE ENGINEER.

THE UNIFORMED LEO AND OFFICIAL PATROL CAR MAY RELOCATE AMONG THE LISTED LOCATIONS AS APPROPRIATE AS THE OPERATIONS PROCEED IN THE LOCALIZED QUALIFYING WORK AREAS.

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

IN GENERAL, LEOS SHOULD BE POSITIONED IN ADVANCE OF AND ON THE SAME SIDE AS THE LANE RESTRICTION (OR AT THE POINT OF ROAD CLOSURE), AND TO MANUALLY CONTROL TRAFFIC MOVEMENTS THROUGH SIGNALIZED INTERSECTIONS IN WORK ZONES.

LEOS SHOULD NOT FORGO THEIR TRAFFIC CONTROL RESPONSIBILITIES TO APPREHEND MOTORISTS FOR ROUTINE TRAFFIC VIOLATIONS. HOWEVER, IF A MOTORIST'S ACTIONS ARE CONSIDERED TO BE RECKLESS, THEN PURSUIT OF THE MOTORIST IS APPROPRIATE.

THE LEOS WORK AT THE DIRECTION OF THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR SECURING THE SERVICES OF THE LEOS WITH THE APPROPRIATE AGENCIES AND COMMUNICATING THE INTENTIONS OF 600 TEMPORARY TRAFFIC CONTROL TRAFFIC ENG. MANUAL 6-168 OCTOBER 23, 2002 REVISED JANUARY 15, 2021 THE CONTRACTOR WILL WITH RESPECT TO DUTIES OF THE LEOS. THE ENGINEER SHALL HAVE FINAL CONTROL OVER THE LEOS' DUTIES AND PLACEMENT, AND WILL RESOLVE ANY ISSUES THAT MAY ARISE BETWEEN THE TWO PARTIES.

ENSURE PROVIDED LEOS HAVE BEEN TRAINED APPROPRIATE TO THE JOB DECISIONS THEY ARE REQUIRED TO MAKE WHILE ON THE PROJECT, IN ACCORDANCE WITH C&MS 614.03.

THE LEO SHALL REPORT IN TO THE CONTRACTOR PRIOR TO THE START OF THE SHIFT, IN ORDER TO RECEIVE INSTRUCTIONS REGARDING SPECIFIC WORK ASSIGNMENTS DURING HIS/HER SHIFT. THE LEO IS EXPECTED TO STAY AT THE PROJECT SITE FOR THE ENTIRE DURATION OF HIS/HER SHIFT. THE LEO SHALL REPORT TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT. SHOULD IT BE NECESSARY TO LEAVE THE PROJECT SITE, THE LEO SHALL NOTIFY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE THE LEO WITH A TWO-WAY COMMUNICATION DEVICE THAT SHALL BE RETURNED TO THE CONTRACTOR AT THE END OF HIS/HER SHIFT.

LEOS (WITH PATROL CAR) REQUIRED BY THE TRAFFIC MAINTENANCE TASKS ABOVE SHALL BE PAID FOR ON A UNIT PRICE (HOURLY) BASIS UNDER ITEM 614, LAW ENFORCEMENT OFFICER (WITH PATROL CAR) FOR ASSISTANCE. THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY.

ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE 200 HOURS

THE HOURS PAID SHALL INCLUDE ANY MINIMUM SHOW-UP TIME REQUIRED BY THE LAW ENFORCEMENT AGENCY INVOLVED.

ANY ADDITIONAL COSTS (ADMINISTRATIVE OR OTHERWISE) INCURRED BY THE CONTRACTOR TO OBTAIN THE SERVICES OF AN LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

LANE VALUE CONTRACT TABLE

THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE AS DESIGNATED IN THE LANE VALUE CONTRACT TABLE FOR EACH UNIT OF TIME A LANE/SHOULDER/RAMP IS CLOSED BY THE CONTRACTOR'S ACTION WHILE NOT OTHERWISE PERMITTED BY THE LANE VALUE CONTRACT TABLE.

LANE VALUE CONTRACT TABLE						
FRA-670						
Section	Existing Number of Lanes per Direction	Lane closures are NOT permitted:			Disincentive Amounts per minute per lane	
		Lane Reduction	Mon to Fri	Sat		Sun
I-70 (0.00) to Grandview Ave (0.90)	3	3 to 2	5AM-9AM & 2PM-7PM	4PM-6PM	4PM-6PM	\$295
		3 to 1	5AM-9PM	6AM-8PM	6AM-11PM	\$295
Grandview Ave (0.90) to SR 315 SB exit (1.65)	4	4 to 3	5AM-9AM & 3PM-6PM	No Restriction	No Restriction	\$235
		4 to 2	5AM-9AM & 2PM-7PM	4PM-6PM	4PM-6PM	\$235
SR 315 SB exit (1.65) to Neil Avenue (3.14)	3	4 to 1	5AM-9PM	6AM-8PM	6AM-8PM	\$235
		3 to 2	5AM-9PM	6AM-7PM	6AM-7PM	\$305
		3 to 1	5AM-11PM	6AM-10PM	6AM-11PM	\$305

Short term shoulder closures are NOT permitted 5AM-9AM and 3PM-6PM Monday-Friday.

NOTIFICATION OF TRAFFIC RESTRICTIONS

THROUGHOUT THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL NOTIFY THE PROJECT ENGINEER IN WRITING OF ALL TRAFFIC RESTRICTIONS AND UPCOMING MAINTENANCE OF TRAFFIC CHANGES. THE CONTRACTOR SHALL ENSURE THE WRITTEN NOTIFICATION IS SUBMITTED IN A TIMELY MANNER TO ALLOW THE PROJECT ENGINEER TO MEET THE REQUIRED TIME FRAMES SET FORTH IN THE TABLE BELOW TO INFORM THE SPECIAL HAULING PERMITS SECTION (HAULING.PERMITS@DOT.OHIO.GOV) AND THE DISTRICT PUBLIC INFORMATION OFFICE (PIO). THIS NOTIFICATION SHALL BE RECEIVED BY THE PROJECT ENGINEER PRIOR TO THE PHYSICAL SETUP OF ANY APPLICABLE SIGNS OR MESSAGE BOARDS. IN ADDITION TO THE PROJECT ENGINEER, NOTIFY SCOTT PORTER WITH THE CITY OF COLUMBUS AT SCPORTER@COLUMBUS.GOV AND THE SENIOR MOBILITY TECHNICIAN WITH THE FRANKLIN COUNTY ENGINEER'S OFFICE AT PAVINGTHEWAY@FRANKLINCOUNTYENGINEER.ORG AT LEAST 2 WEEKS IN ADVANCE OF THE CLOSURE OF MCKINLEY AVENUE.

INFORMATION SHOULD INCLUDE, BUT IS NOT LIMITED TO, ALL CONSTRUCTION ACTIVITIES THAT IMPACT OR INTERFERE WITH TRAFFIC AND SHALL LIST THE SPECIFIC LOCATION, TYPE OF WORK, ROAD STATUS, DATE AND TIME OF RESTRICTION, DURATION OF RESTRICTION, NUMBER OF LANES MAINTAINED, NUMBER OF LANES CLOSED, MINIMUM VERTICAL CLEARANCE, MINIMUM WIDTH OF DRIVABLE PAVEMENT, DETOUR ROUTES, IF APPLICABLE, AND ANY OTHER INFORMATION REQUESTED BY THE PROJECT ENGINEER.

NOTIFICATION OF TRAFFIC RESTRICTIONS TIME TABLE:

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMP & ROAD CLOSURES	>=2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 BUSINESS DAYS PRIOR TO CLOSURE
LANE CLOSURES & RESTRICTIONS	>=2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	< 2 WEEKS	5 BUSINESS DAYS PRIOR TO CLOSURE
START OF CONSTRUCTION	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

TRAFFIC PATTERN CHANGES ANY UNFORESEEN CONDITIONS NOT SPECIFIED IN THE PLANS REQUIRING TRAFFIC RESTRICTIONS SHALL ALSO BE REPORTED TO THE PROJECT ENGINEER USING THE NOTIFICATION TIME TABLE.

NOTIFICATION OF CONSTRUCTION INITIATION

AT LEAST FOURTEEN DAYS PRIOR TO STARTING INITIAL CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL ADVISE THE DISTRICT OFFICE OF COMMUNICATIONS VIA EMAIL AT D06.PIO@DOT.OHIO.GOV, THE DISTRICT WORK ZONE TRAFFIC MANAGER VIA EMAIL AT D06.MOT@DOT.OHIO.GOV AND THE CENTRAL OFFICE SPECIAL HAUL PERMITS SECTION VIA EMAIL AT HAULING.PERMITS@DOT.OHIO.GOV OF THE ANTICIPATED START DATE OF ANY CONSTRUCTION ACTIVITIES INCLUDING BUT NOT LIMITED TO THE PLACING OF WORK ZONE SIGNS. THE NOTIFICATION SHALL ALSO INCLUDE THE PROJECT NUMBER, PID, NAME AND PHONE NUMBER OF THE CONTRACTOR, A POINT OF CONTACT AND THE ANTICIPATED IMPACT ON TRAFFIC. THE CONTRACTOR WILL IMMEDIATELY INFORM THE DISTRICT OFFICE OF COMMUNICATIONS AND THE DISTRICT WORK ZONE TRAFFIC MANAGER OF ANY AND ALL DELAYS AND/OR CHANGES REGARDING THE CONSTRUCTION INITIATION DATE.

PRE-MAINTENANCE OF TRAFFIC MEETING

A PRE-MAINTENANCE OF TRAFFIC MEETING SHALL BE HELD (MINIMUM 14 WORK DAYS) PRIOR TO WORK BEGINNING OR ANY CHANGE OF PHASING. THIS MEETING SHALL INCLUDE THE DISTRICT WORK ZONE TRAFFIC MANAGER (D06.MOT@DOT.OHIO.GOV), THE TEMPORARY CONTROL COORDINATOR (614-645-6269 OR 614-645-5845) FROM THE CITY OF COLUMBUS TRANSPORTATION DIVISION, THE CITY OF GRANDVIEW, AND FRANKLIN COUNTY AS WELL AS THE CONTRACTOR AND ANY OF HIS SUB-CONTRACTORS INVOLVED WITH TEMPORARY TRAFFIC CONTROL.

WEEKLY MAINTENANCE OF TRAFFIC MEETING

AFTER THE INITIAL PRE-MAINTENANCE OF TRAFFIC MEETING, THE CONTRACTOR SHALL MEET WITH THE PROJECT ENGINEER ON A WEEKLY BASIS TO GO OVER A DETAILED MAINTENANCE OF TRAFFIC REPORT OF AT LEAST 7 CALENDAR DAYS. THIS MEETING SHOULD BE HELD ON THE SAME DAY AND TIME OF EACH WEEK.

THE CONTRACTOR WILL PROVIDE TO THE PROJECT ENGINEER A WRITTEN DETAIL OF THE INFORMATION REQUIRED BY THE NOTIFICATION OF TRAFFIC RESTRICTIONS NOTE PRIOR TO THE MEETING.

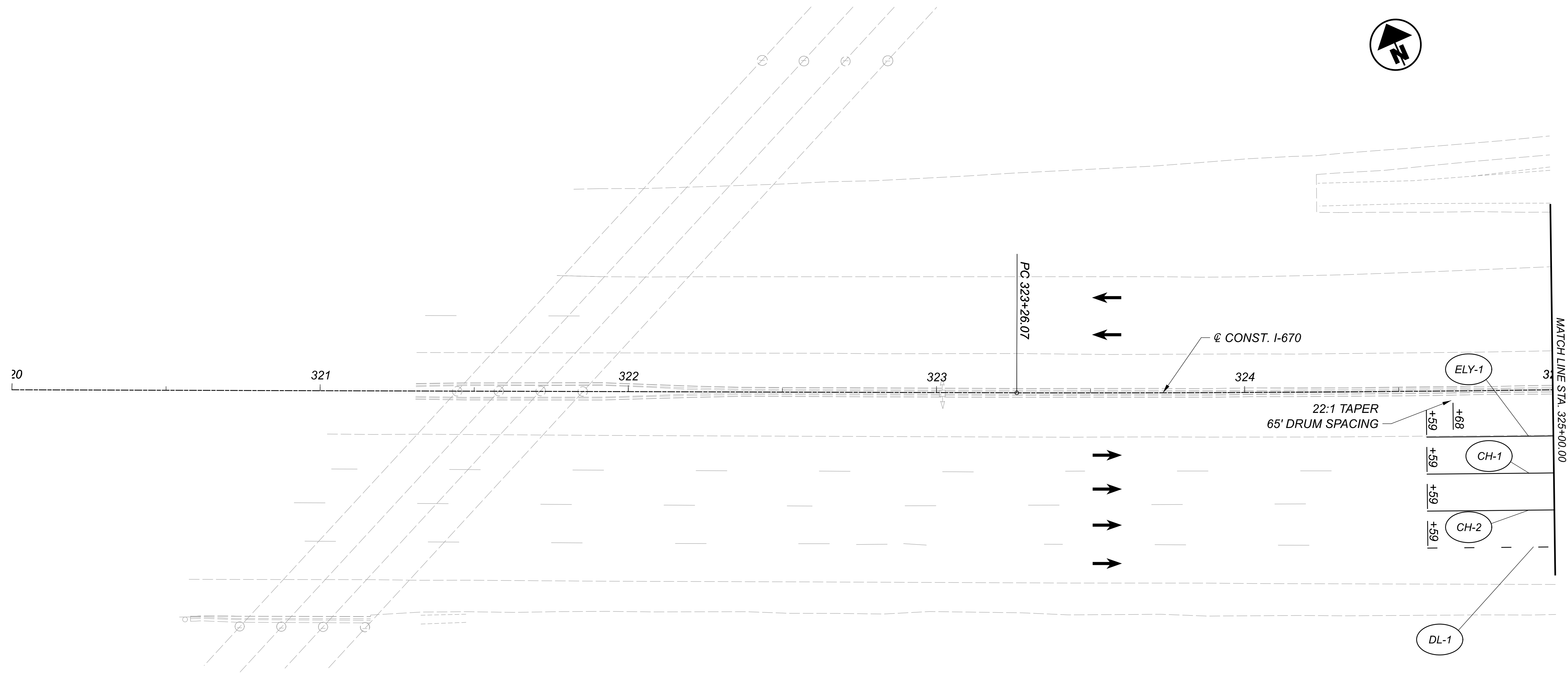
IN ADDITION TO THE DETAILED MAINTENANCE OF TRAFFIC REPORT THE CONTRACTOR SHALL GIVE A GENERAL LOOK AHEAD OF AN ADDITIONAL 2 WEEKS OF UPCOMING WORK ACTIVITIES. THIS WILL INCLUDE ANY NOTIFICATION REQUIREMENTS FOR RESTRICTIONS THAT HAVE A DURATION GREATER THAN 12 HOURS.

ITEM 614 - WORK ZONE PAVEMENT MARKING, CLASS III, 642 PAINT:

WORK ZONE PAVEMENT MARKINGS SHALL BE PLACED TO REFLECT THE PROPOSED PAVEMENT MARKINGS AS DETERMINED FROM THE PROPOSED MARKINGS WITHIN THE PROJECT LIMITS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION, SIZE, AND TYPE OF WORK ZONE MARKINGS NEEDED MEETING THE REQUIREMENTS OF ITEM 614 BEFORE THE REMOVAL OR RESURFACING OBLITERATES THE EXISTING. THE FOLLOWING QUANTITIES HAVE BEEN PROVIDED AND CARRIED TO THE GENERAL SUMMARY:

- ITEM 614 WORK ZONE LANE LINE, CLASS III, 6", 642 PAINT 4.80 MILES
- ITEM 614 WORK ZONE EDGE LINE, CLASS III, 6", 642 PAINT 4.10 MILES
- ITEM 614 WZ CHANNELIZING LINE, CLASS III, 12", 642 PAINT 3,122 FT

WORK ZONE PAVEMENT MARKINGS ARE NOT TO BE SUBSTITUTED FOR PERMANENT PAVEMENT MARKINGS



NOTE: SEE ODOT SCD MT-102.10 FOR ADVANCE WARNING SIGNS NOT SHOWN

- LEGEND**
- PORTABLE BARRIER, UNANCHORED
 - AREA TO BE CONSTRUCTED
 - DIRECTION OF TRAFFIC
 - DRUMS
 - IMPACT ATTENUATOR

- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION

 STAY IN LANE R4-9-18 STA. 302+59	 END ROAD WORK G20-2-48 STA. 319+65
 W1-4cR-48 STA. 317+59	

MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 320+00 TO STA. 325+00

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

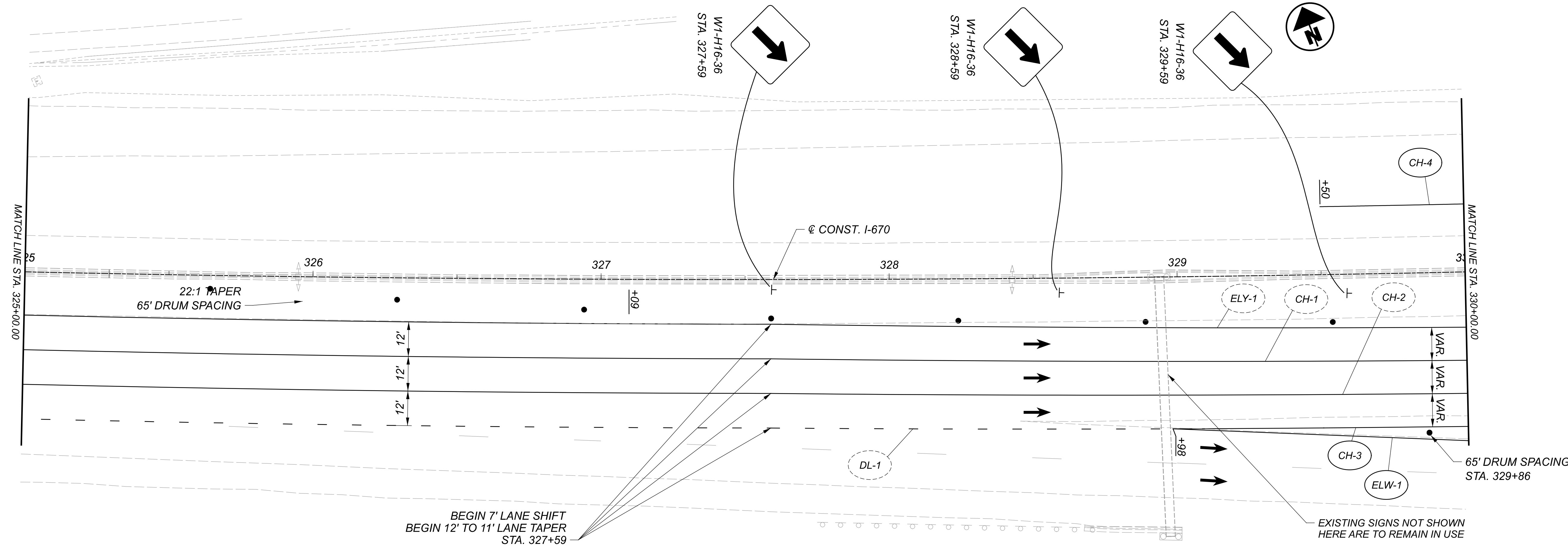
DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

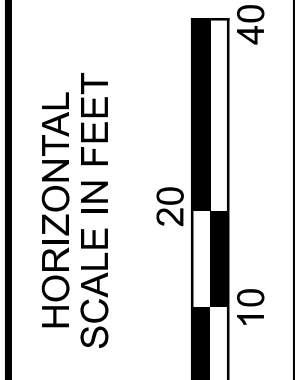
SHEET	TOTAL
P.15	P.179

NOTE: SEE ODOT SCD MT-102.10 FOR ADVANCE WARNING SIGNS NOT SHOWN



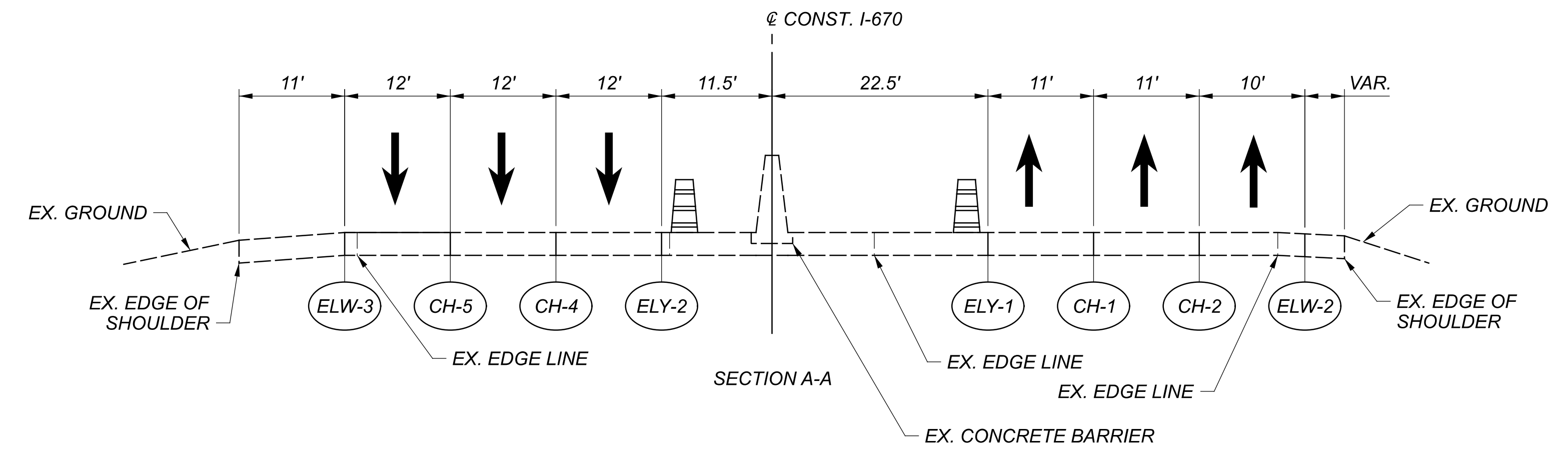
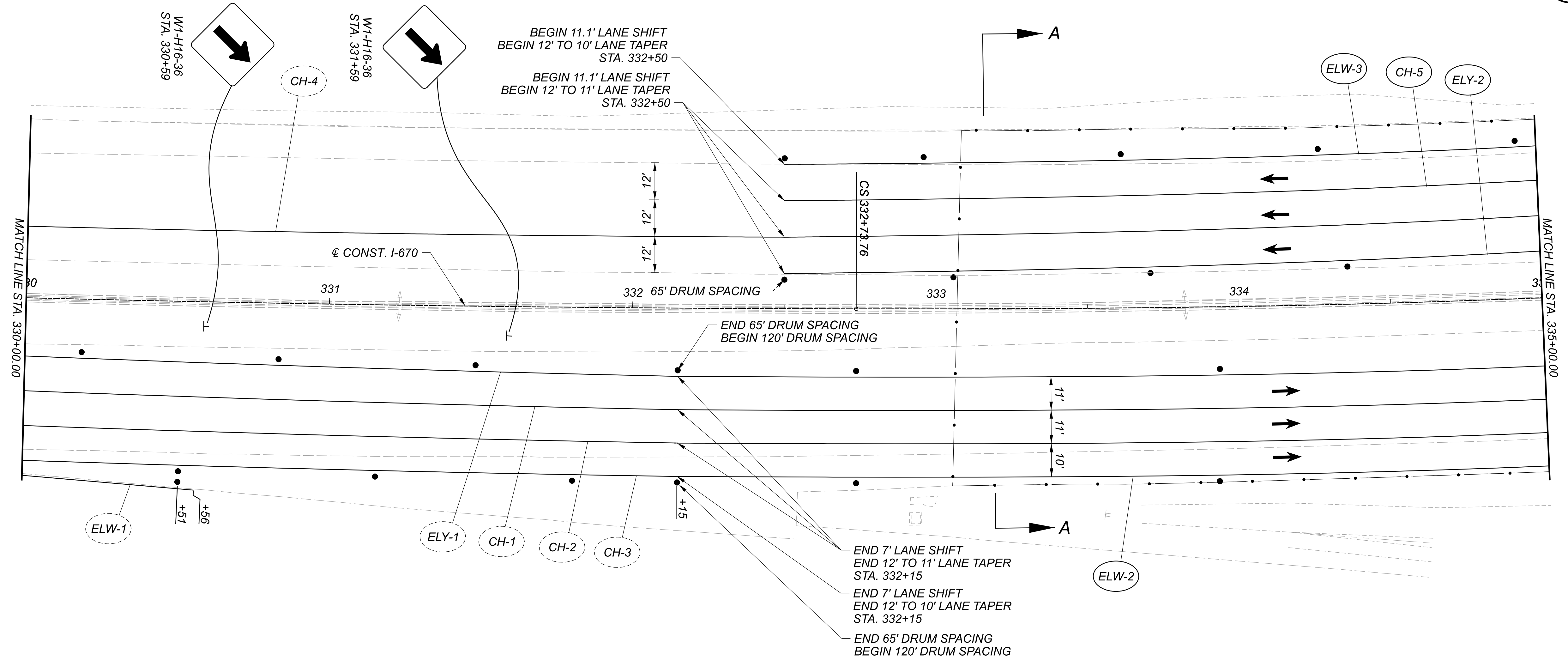
LEGEND

	PB PORTABLE BARRIER, UNANCHORED		EL WORK ZONE EDGE LINE, 6"
	AREA TO BE CONSTRUCTED		DL WORK ZONE DOTTED LINE, 6"
	DIRECTION OF TRAFFIC		CH WORK ZONE CHANNELIZING LINE, 8"
	DRUMS		BR BARRIER REFLECTOR/OBJECT MARKER DELINEATION
	IMPACT ATTENUATOR		



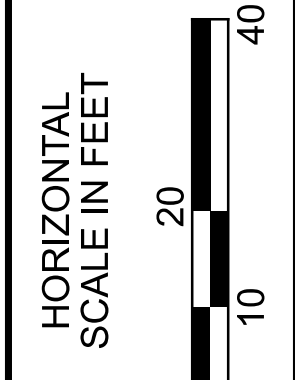
MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 325+00 TO STA. 330+00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	TOTAL
P.16	P.179



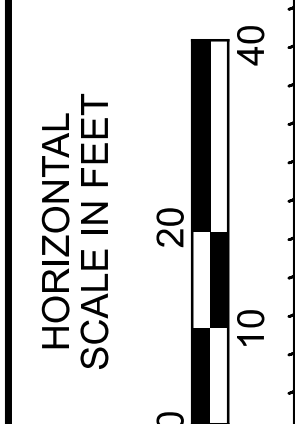
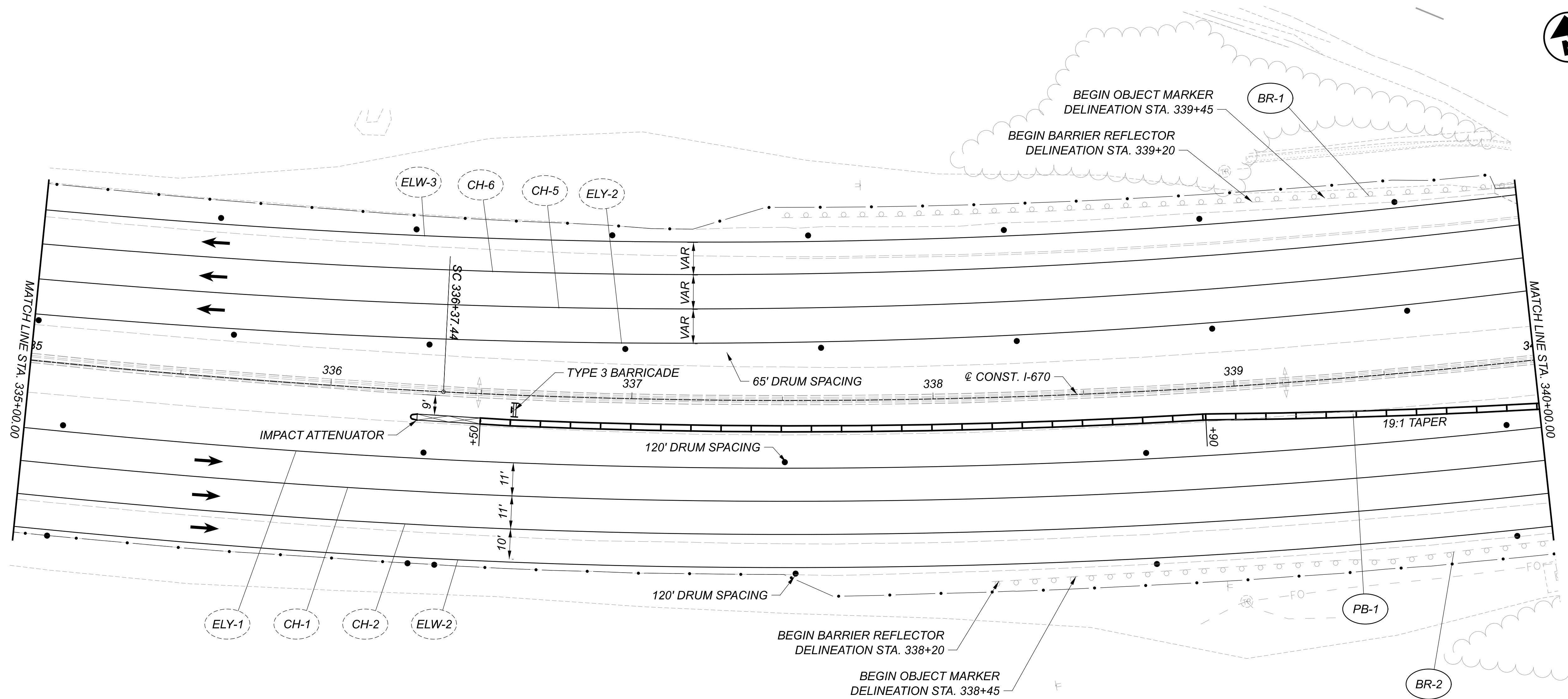
LEGEND

PORTABLE BARRIER, UNANCHORED	WORK ZONE EDGE LINE, 6"
AREA TO BE CONSTRUCTED	WORK ZONE DOTTED LINE, 6"
DIRECTION OF TRAFFIC	WORK ZONE CHANNELIZING LINE, 8"
DRUMS	BARRIER REFLECTOR/OBJECT MARKER DELINEATION
IMPACT ATTENUATOR	



MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 330+00 TO STA. 335+00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.17
TOTAL	P.179



MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 335+00 TO STA. 340+00

LEGEND

- | | |
|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |

DESIGN AGENCY

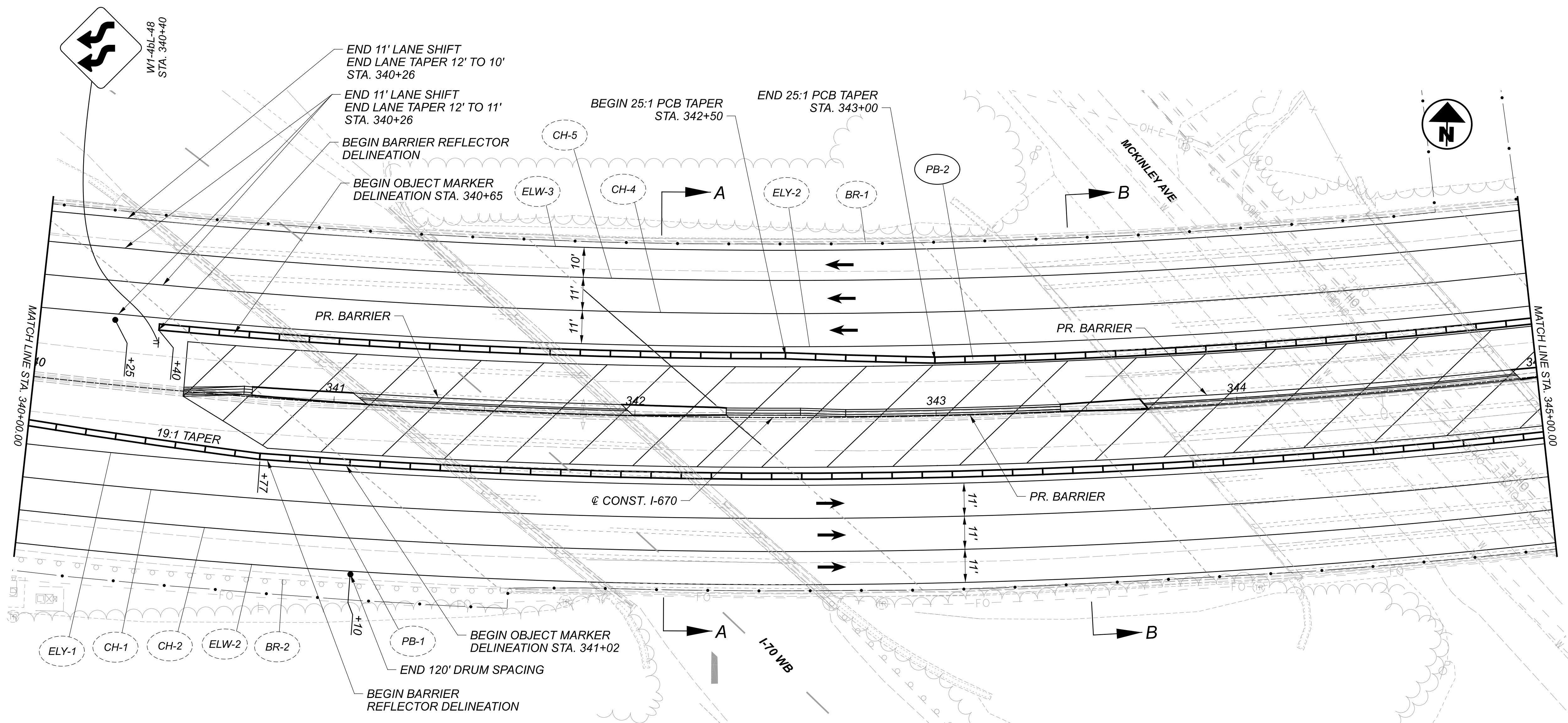
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

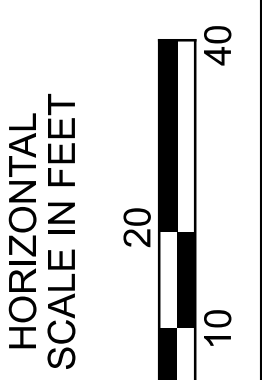
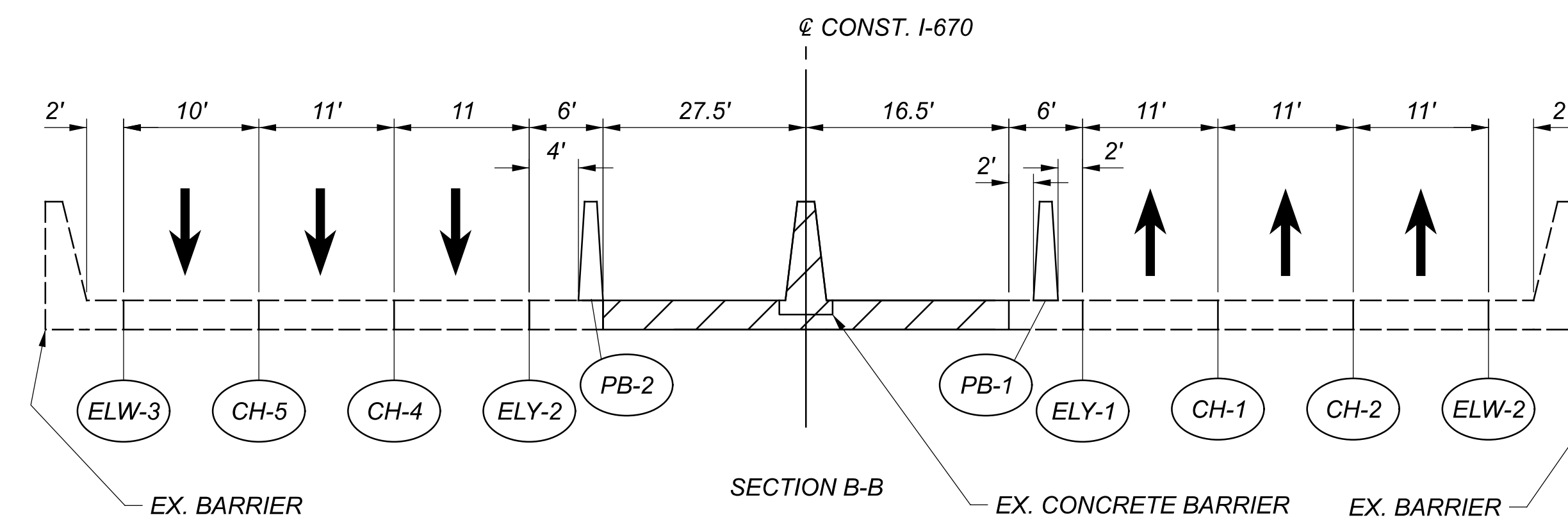
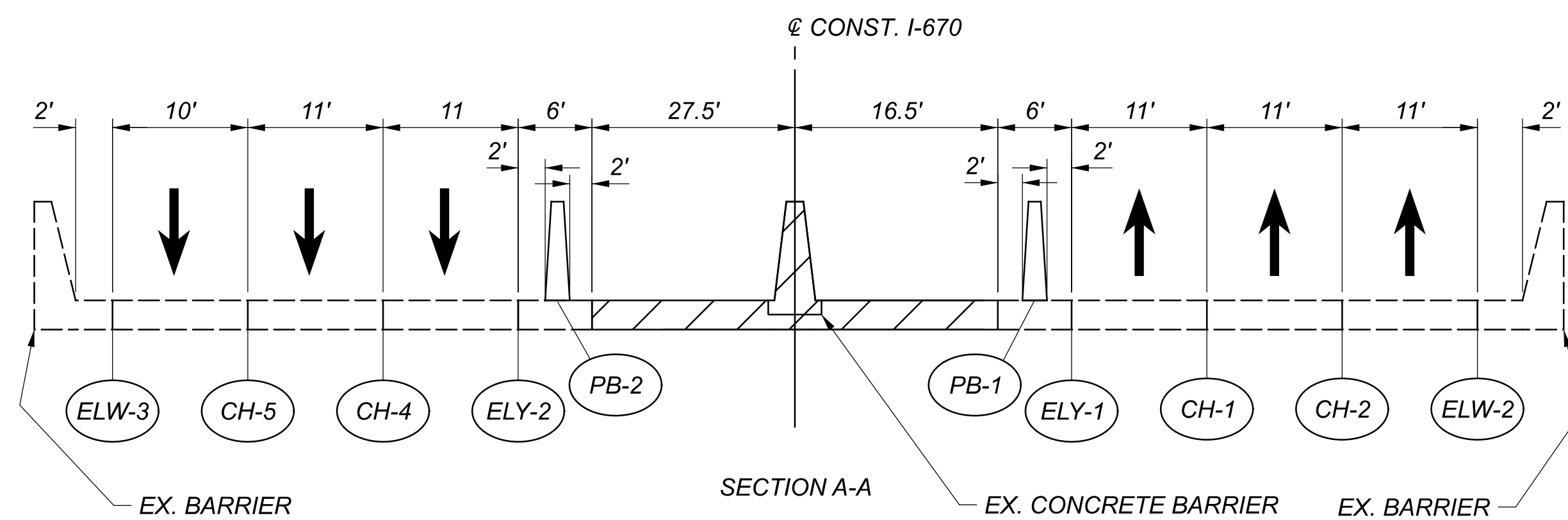
PROJECT ID
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SHEET TOTAL
 P.18 P.179



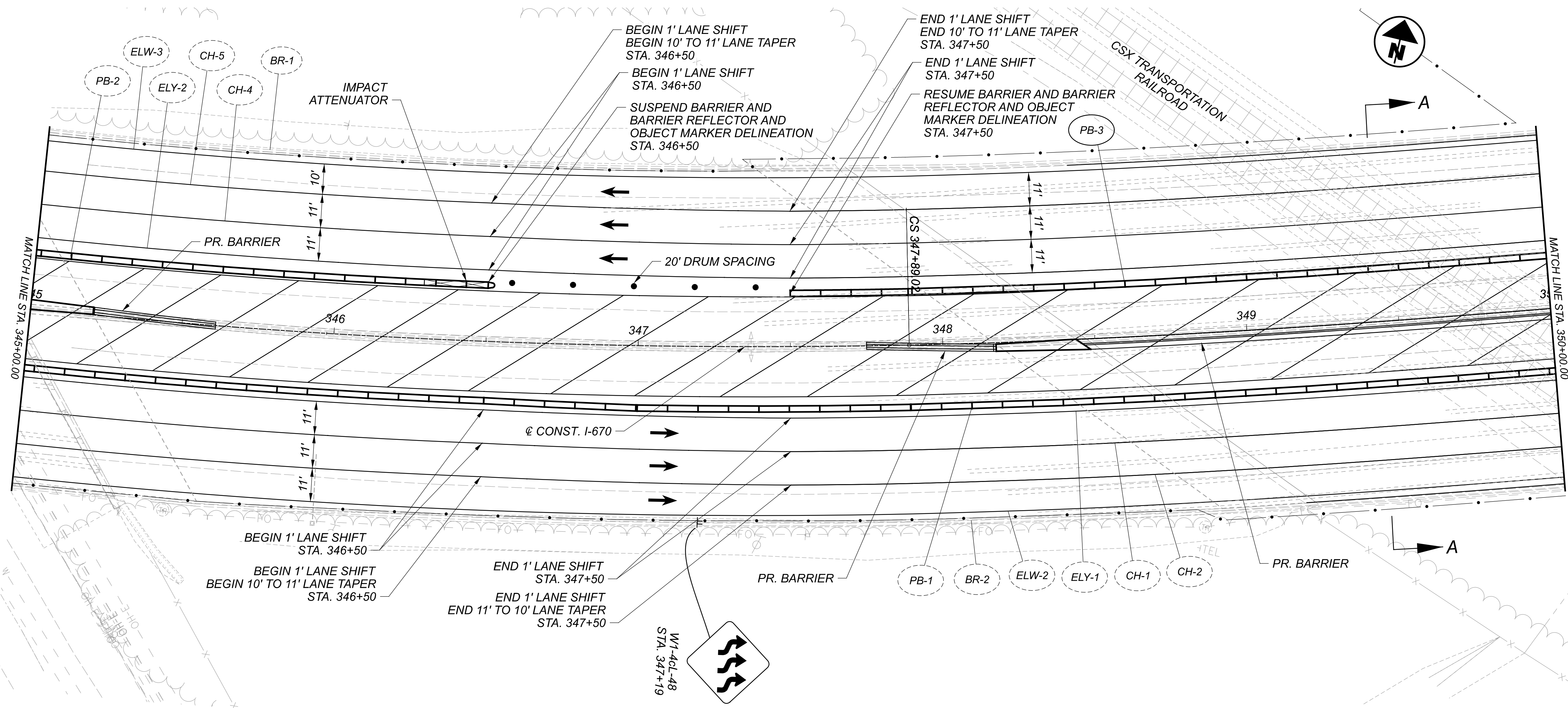
LEGEND

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|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |



MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 340+00 TO STA. 345+00

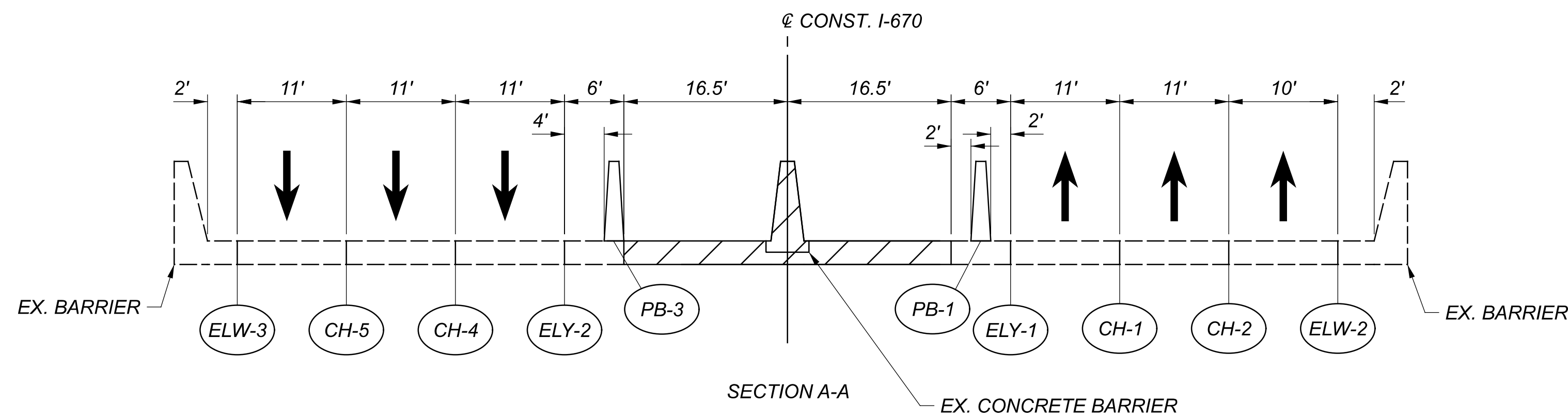
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.19
TOTAL	P.179



W1-461-48
 STA. 347+19

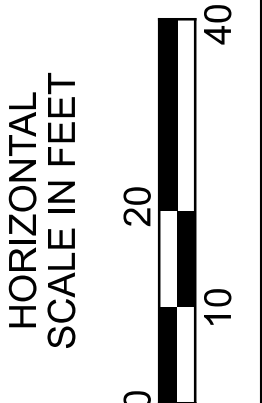
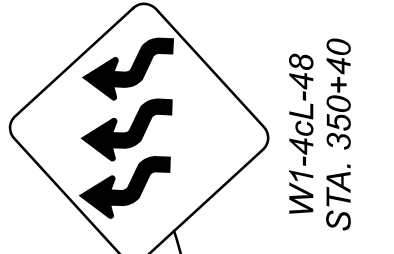
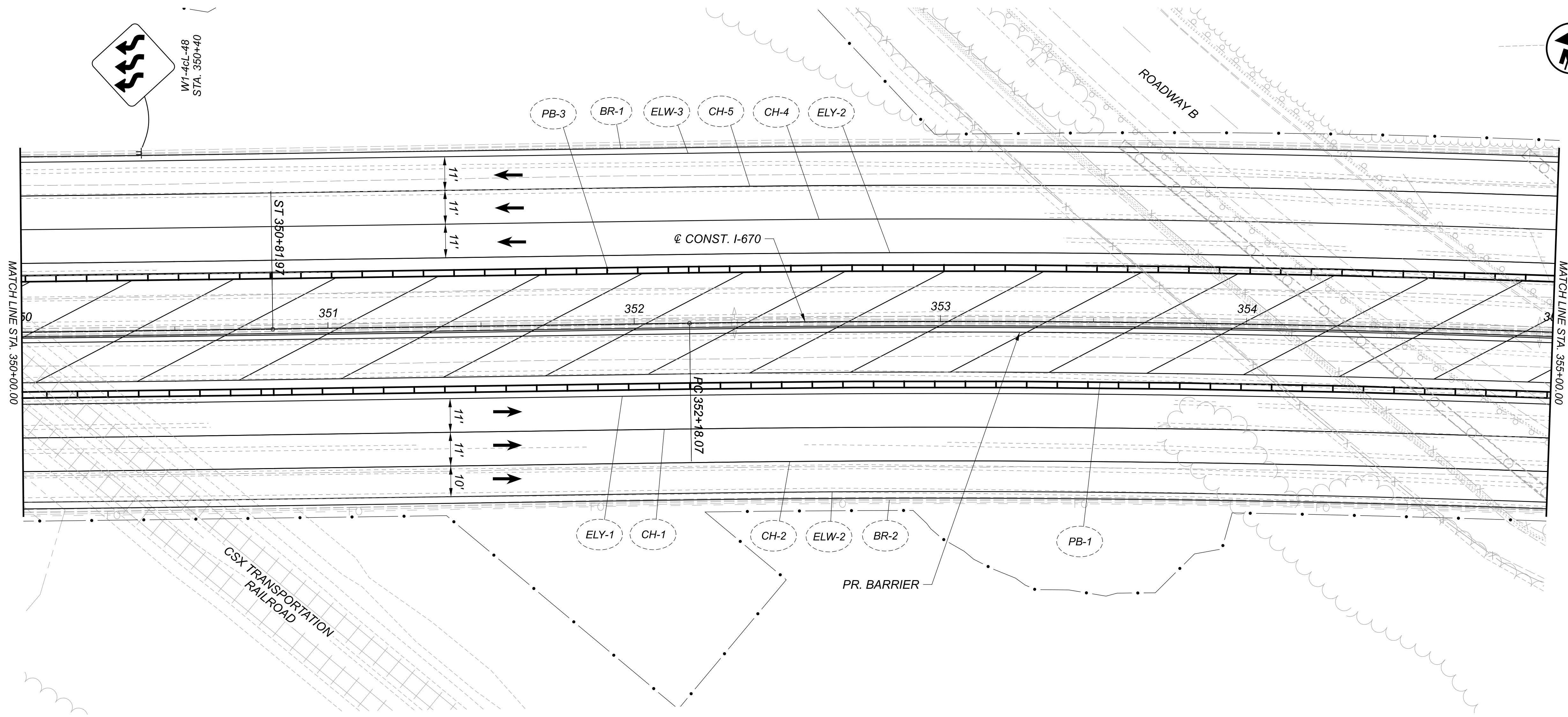
LEGEND

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|--|---------------------------------|--|--|
| | PB PORTABLE BARRIER, UNANCHORED | | EL WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | DL WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | | CH WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | | BR BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |



MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 345+00 TO STA. 350+00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.20
TOTAL	P.179



MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 350+00 TO STA. 355+00

LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION

DESIGN AGENCY

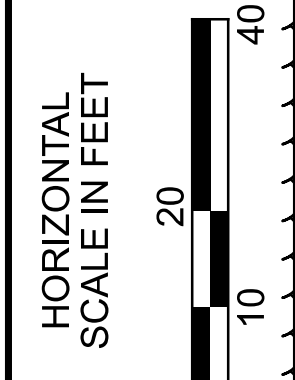
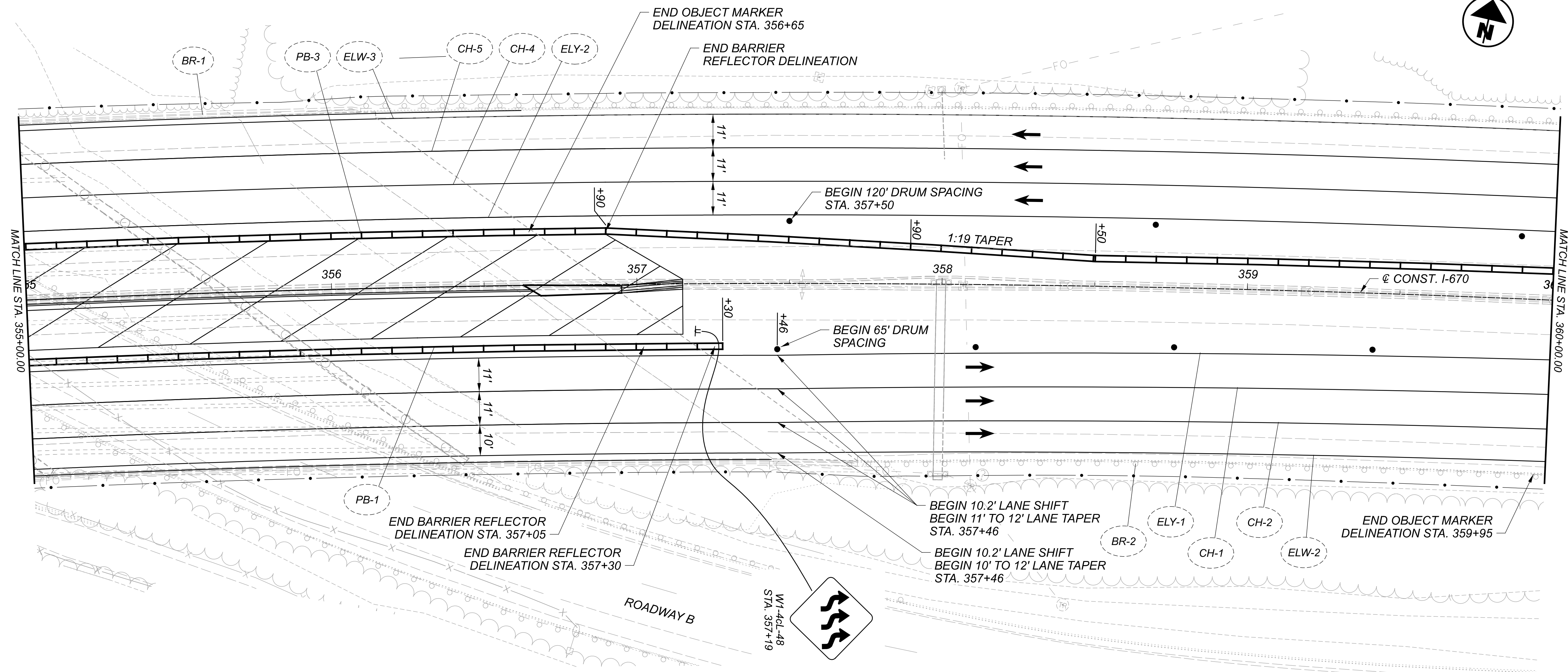
Michael Baker
INTERNATIONAL

DESIGNER
CAH

REVIEWER
KMD 10/31/23

PROJECT ID
111641

SHEET TOTAL
P.21 P.179

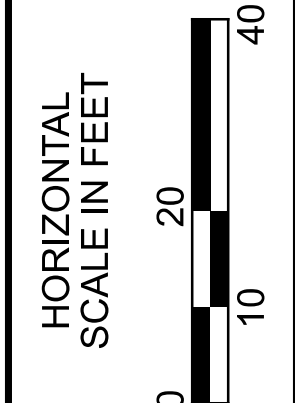
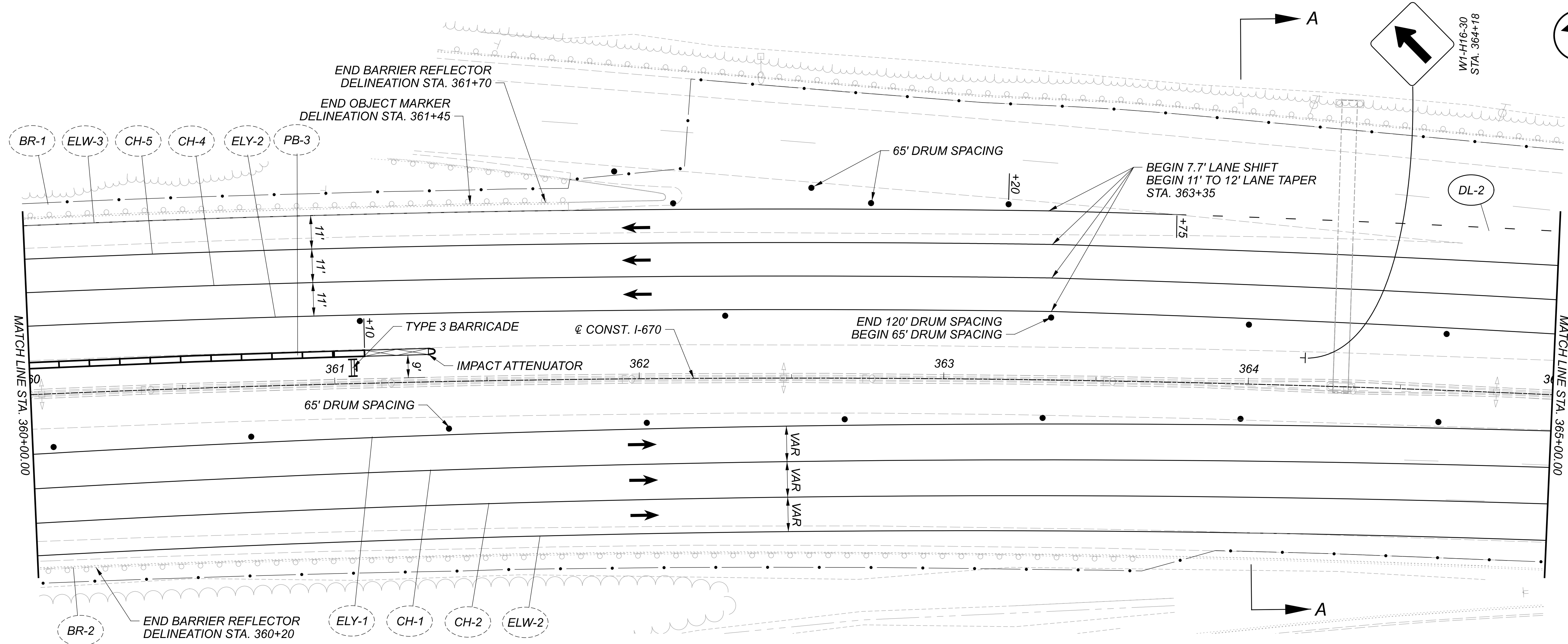


LEGEND

- | | | | |
|--|------------------------------|--|---|
| | PORTABLE BARRIER, UNANCHORED | | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |

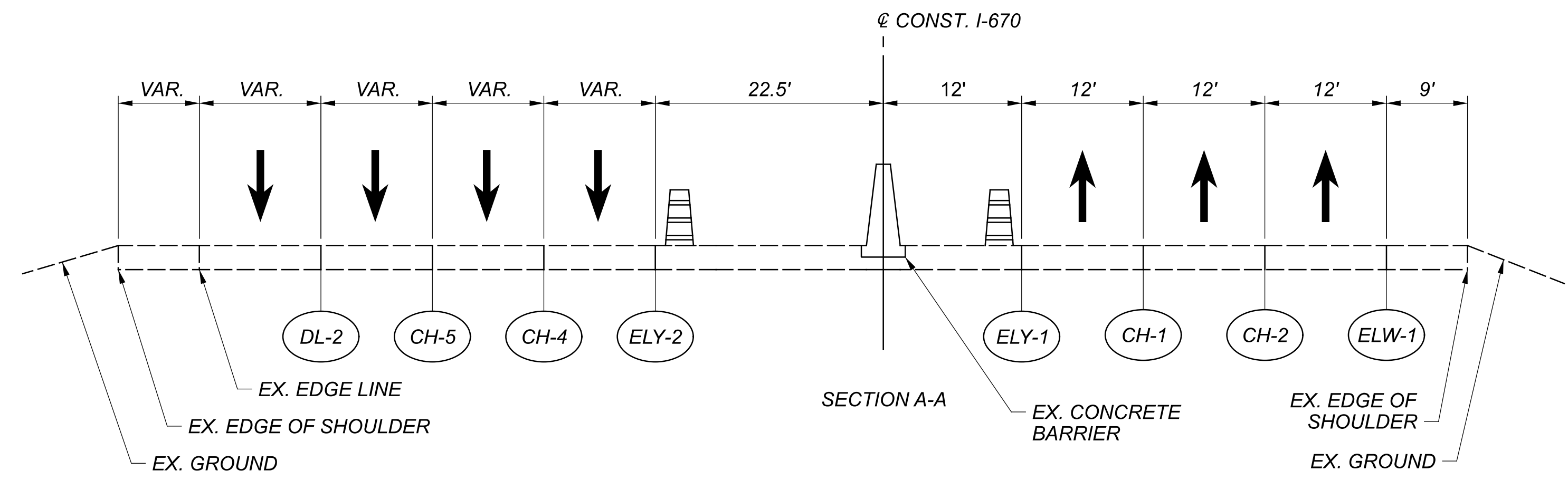
**MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 355+00 TO STA. 360+00**

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	CAH
PROJECT ID	KMD 10/31/23.
SHEET	111641
TOTAL	P.22 P.179

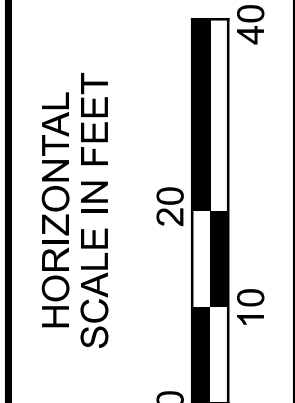
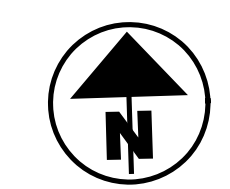
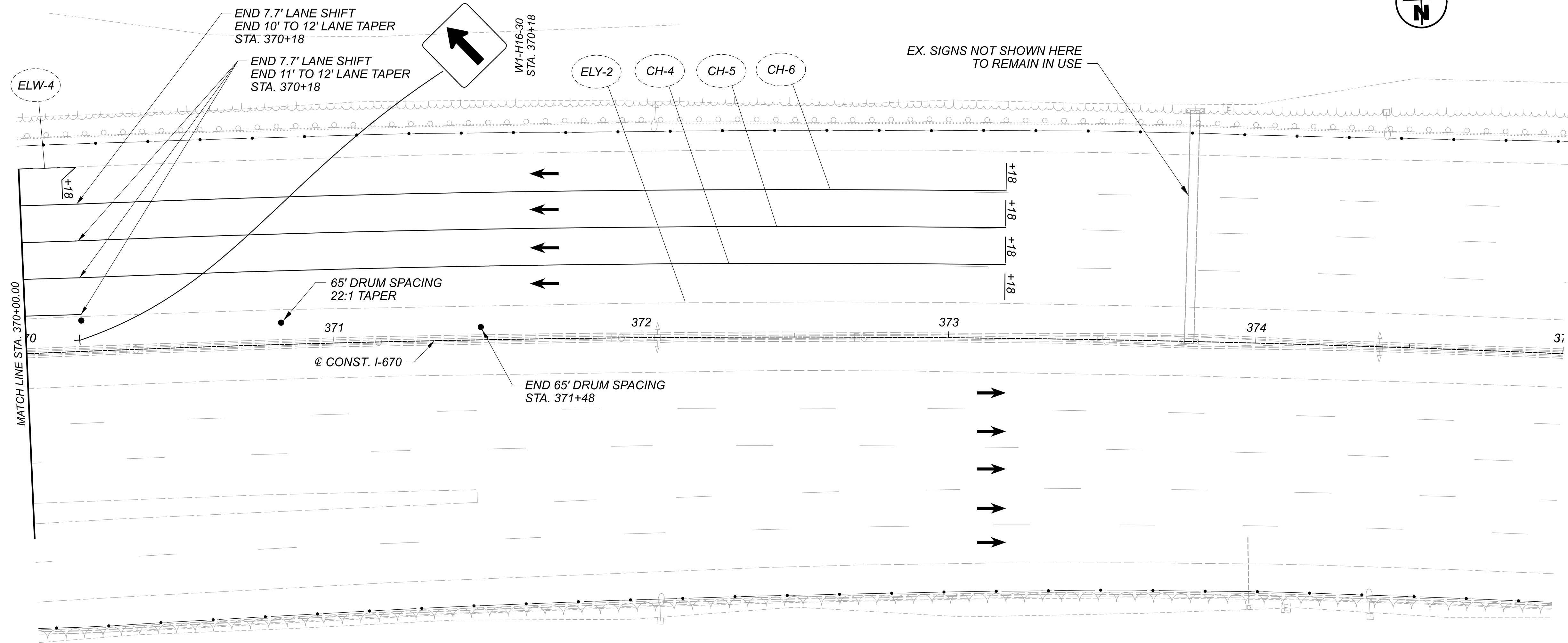


MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 360+00 TO STA. 365+00

- LEGEND**
- PORTABLE BARRIER, UNANCHORED
 - AREA TO BE CONSTRUCTED
 - DIRECTION OF TRAFFIC
 - DRUMS
 - IMPACT ATTENUATOR
 - WORK ZONE EDGE LINE, 6"
 - WORK ZONE DOTTED LINE, 6"
 - WORK ZONE CHANNELIZING LINE, 8"
 - BARRIER REFLECTOR/OBJECT MARKER DELINEATION



DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.23
TOTAL	P.179



LEGEND

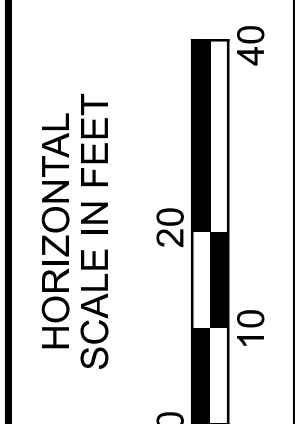
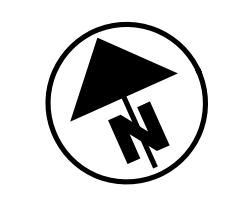
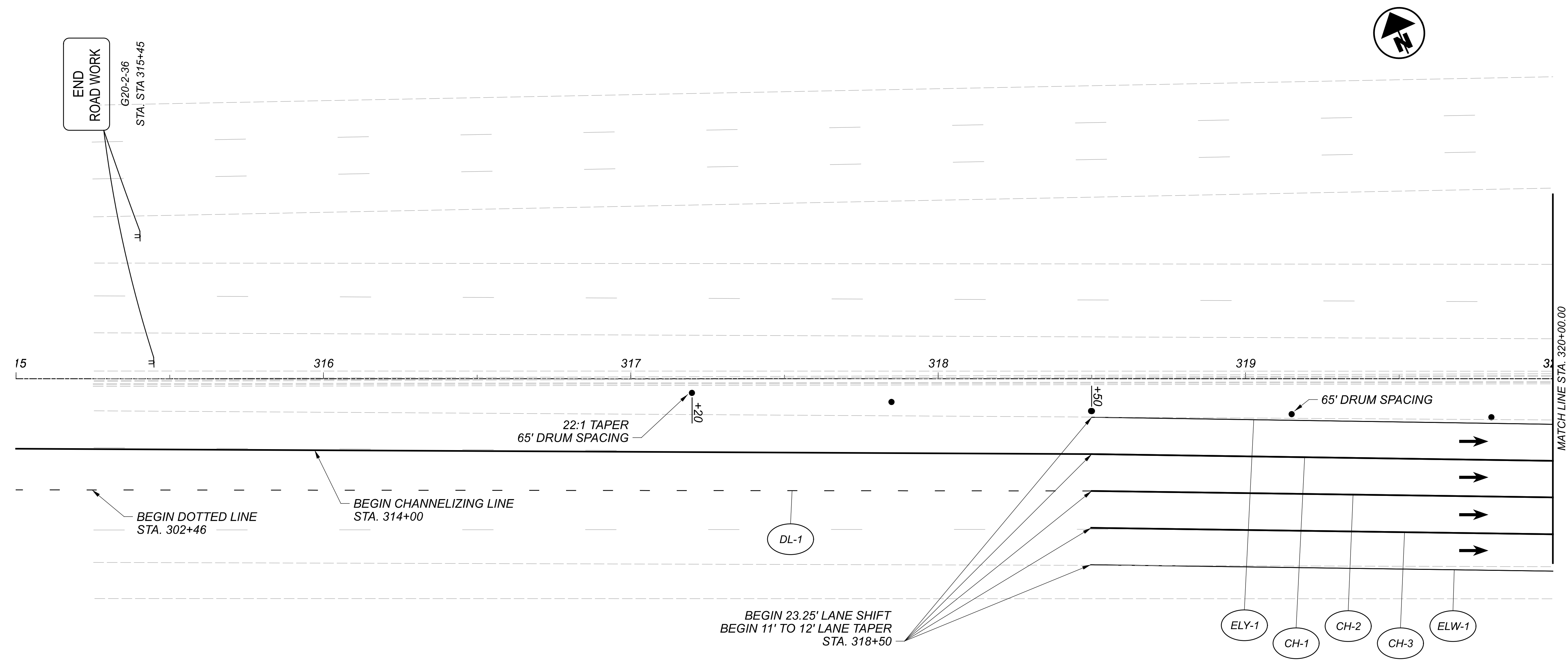
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|--|------------------------------|--|---|
| | PORTABLE BARRIER, UNANCHORED | | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |

- | | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

NOTE: CLOSE THE LEFT MOST WESTBOUND LANE PER SCD MT-95.32 BETWEEN STA. 386+28 AND STA. 394+08

**MAINTENANCE OF TRAFFIC PHASE ONE
 STA. 370+00 TO STA. 375+00**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.25
TOTAL	P.179



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 315+00 TO STA. 320+00

LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION

TYPE A WARNING LIGHT



W20-1-24
 STA. 265+60

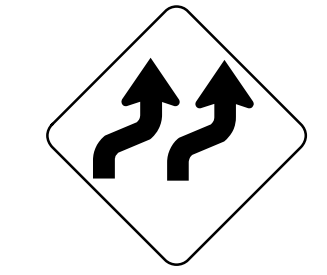
PCMS PLACE NEAR STA. 272+20

DISPLAY 1:
 "I-670 E"
 "LEFT"
 "2 LANES"

DISPLAY 2:
 "I-70 E"
 "RIGHT"
 "2 LANES"



R4-9-18
 STA. 292+00



W1-4bR-48
 STA. 307+00

* PLACE ADVANCE SIGNING PER MT-102.10

DESIGN AGENCY

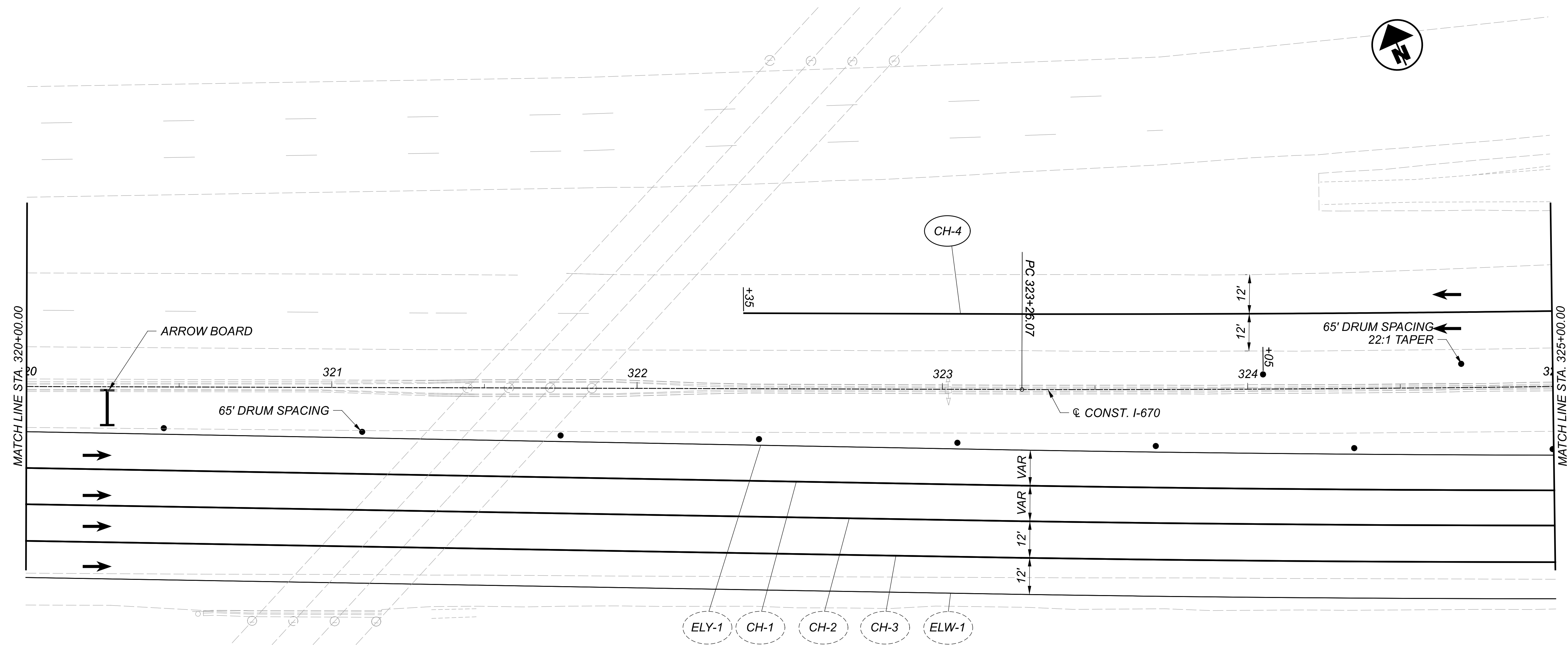
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

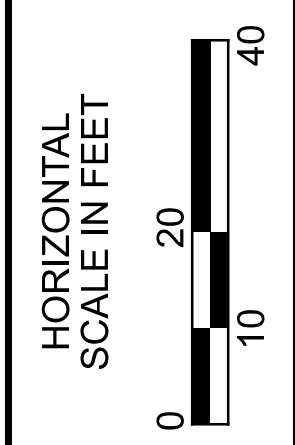
PROJECT ID
 111641

SHEET TOTAL
 P.26 | P.179



LEGEND

- | | |
|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 320+00 TO STA. 325+00

DESIGN AGENCY

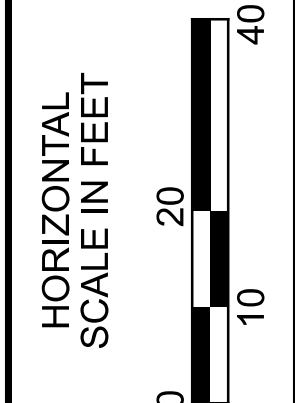
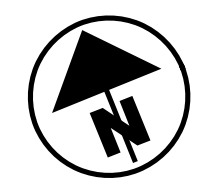
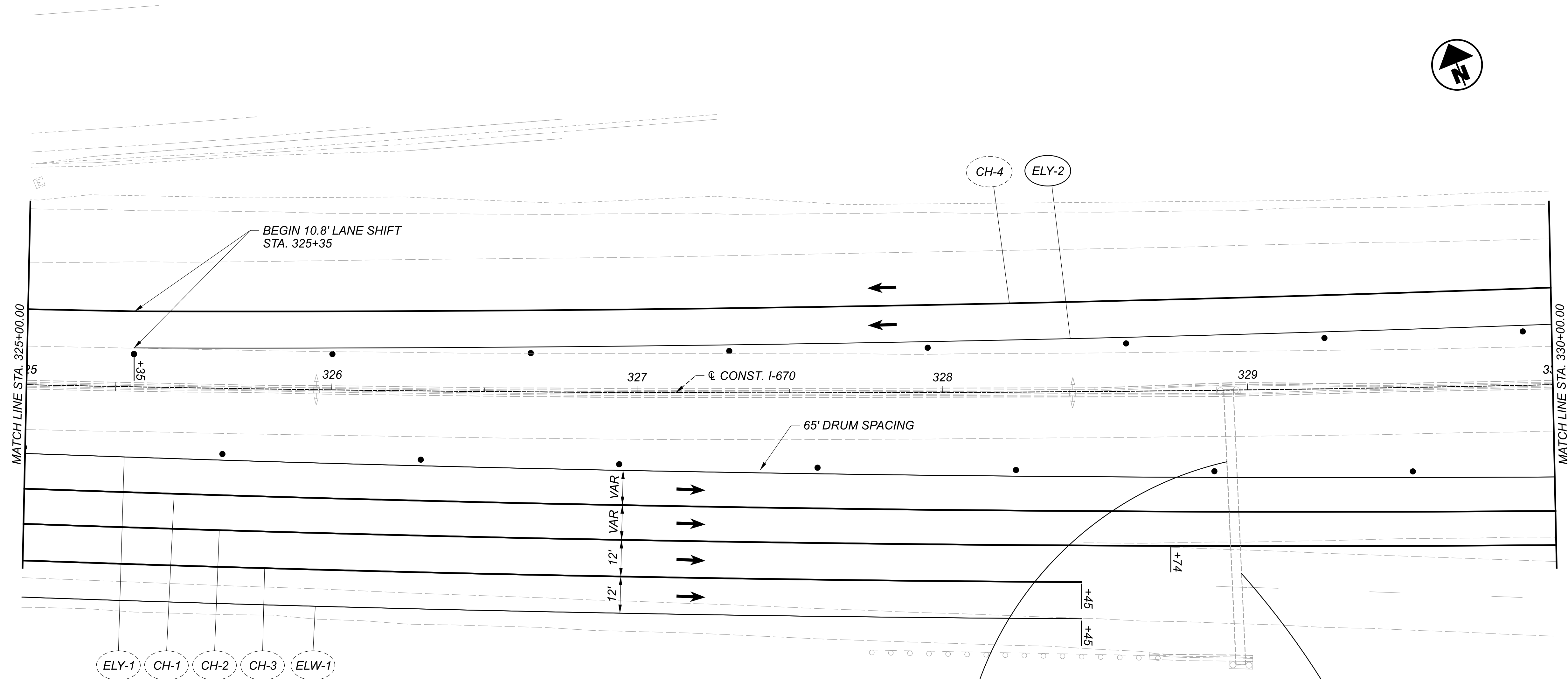
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

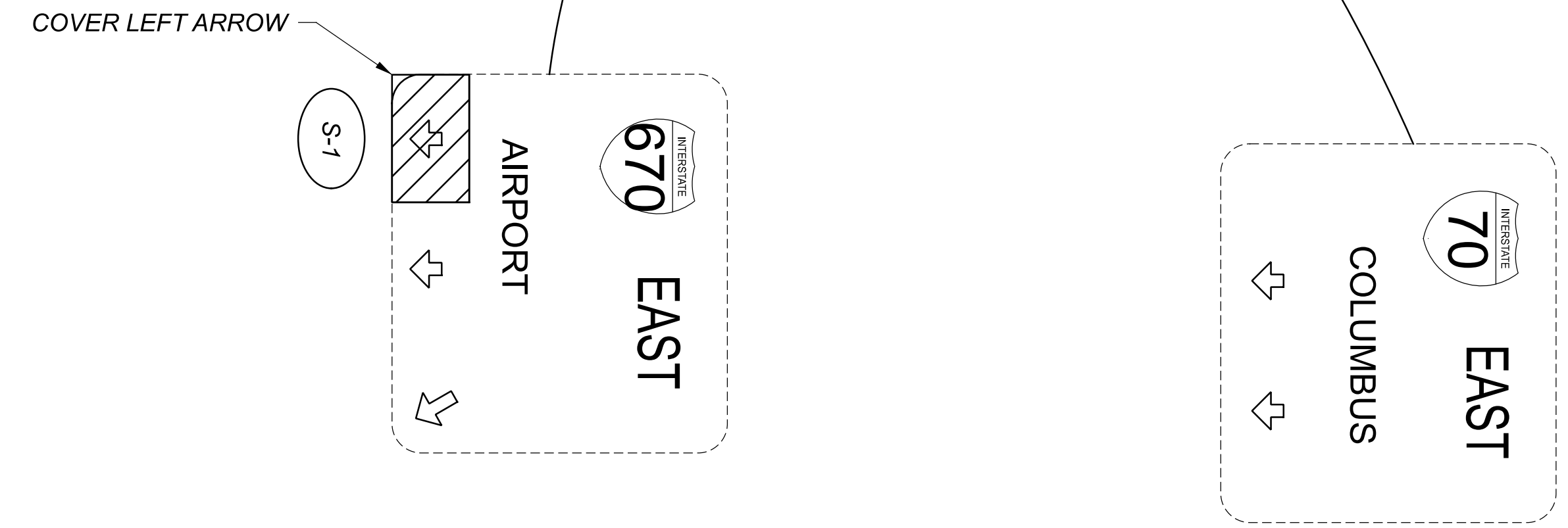
SHEET TOTAL
 P.27 P.179



MAINTENANCE OF TRAFFIC PHASE TWO
STA. 325+00 TO STA. 330+00

LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION



DESIGN AGENCY

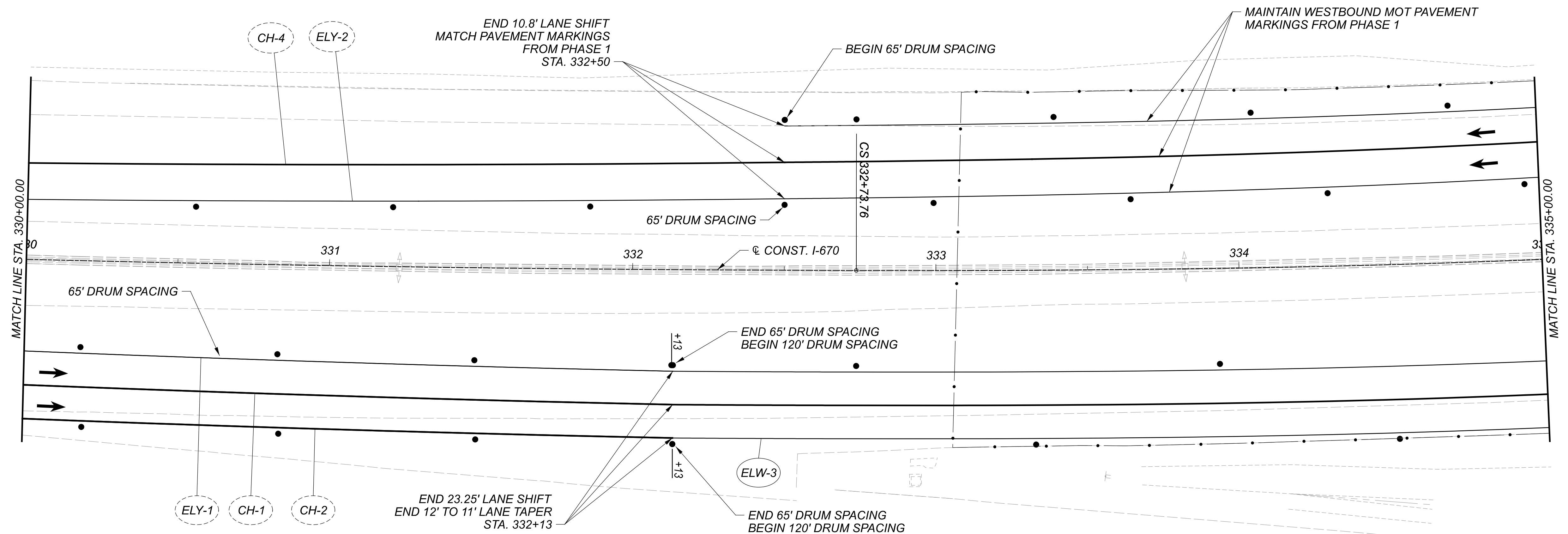
Michael Baker
INTERNATIONAL

DESIGNER
CAH

REVIEWER
KMD 10/31/23

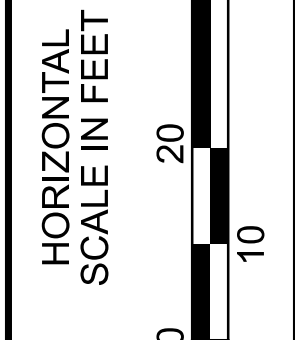
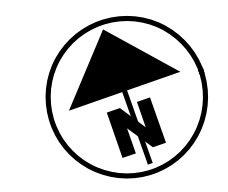
PROJECT ID
111641

SHEET TOTAL
P.28 P.179



LEGEND

- | | | | |
|--|------------------------------|--|---|
| | PORTABLE BARRIER, UNANCHORED | | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 330+00 TO STA. 335+00

DESIGN AGENCY

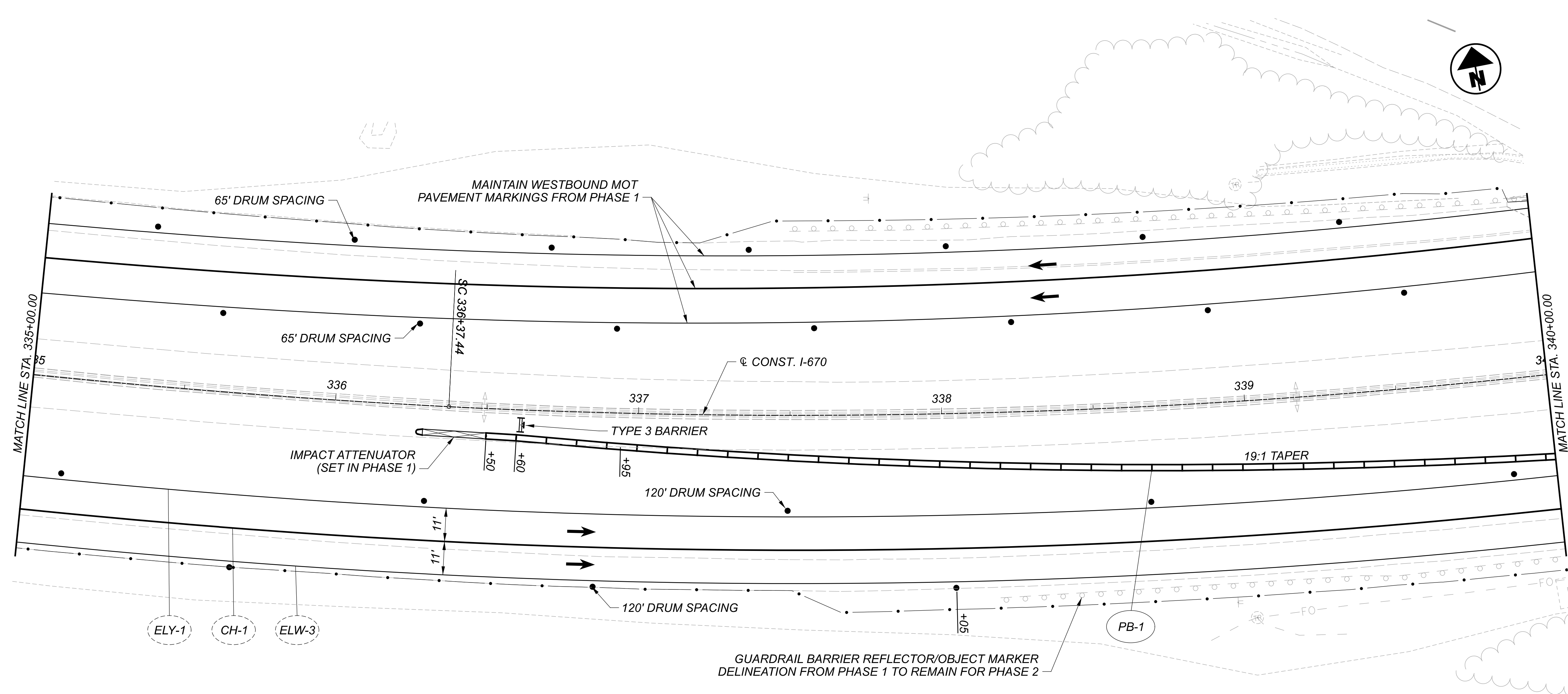
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

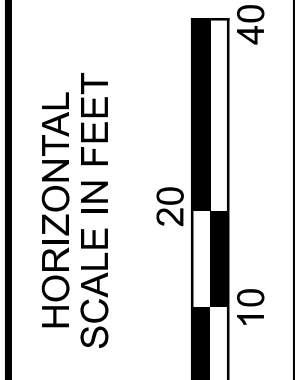
PROJECT ID
 111641

SHEET	TOTAL
P.29	P.179



LEGEND

- | | | | | |
|--|------------------------|------------------------------|---|-------------------------|
| | | PORTABLE BARRIER, UNANCHORED | | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | WORK ZONE DOTTED LINE, 6" | |
| | DIRECTION OF TRAFFIC | | WORK ZONE CHANNELIZING LINE, 8" | |
| | DRUMS | | BARRIER REFLECTOR/OBJECT MARKER DELINEATION | |
| | IMPACT ATTENUATOR | | | |



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 335+00 TO STA. 340+00

DESIGN AGENCY

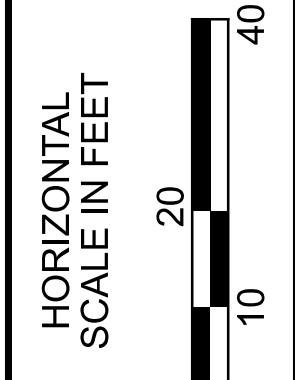
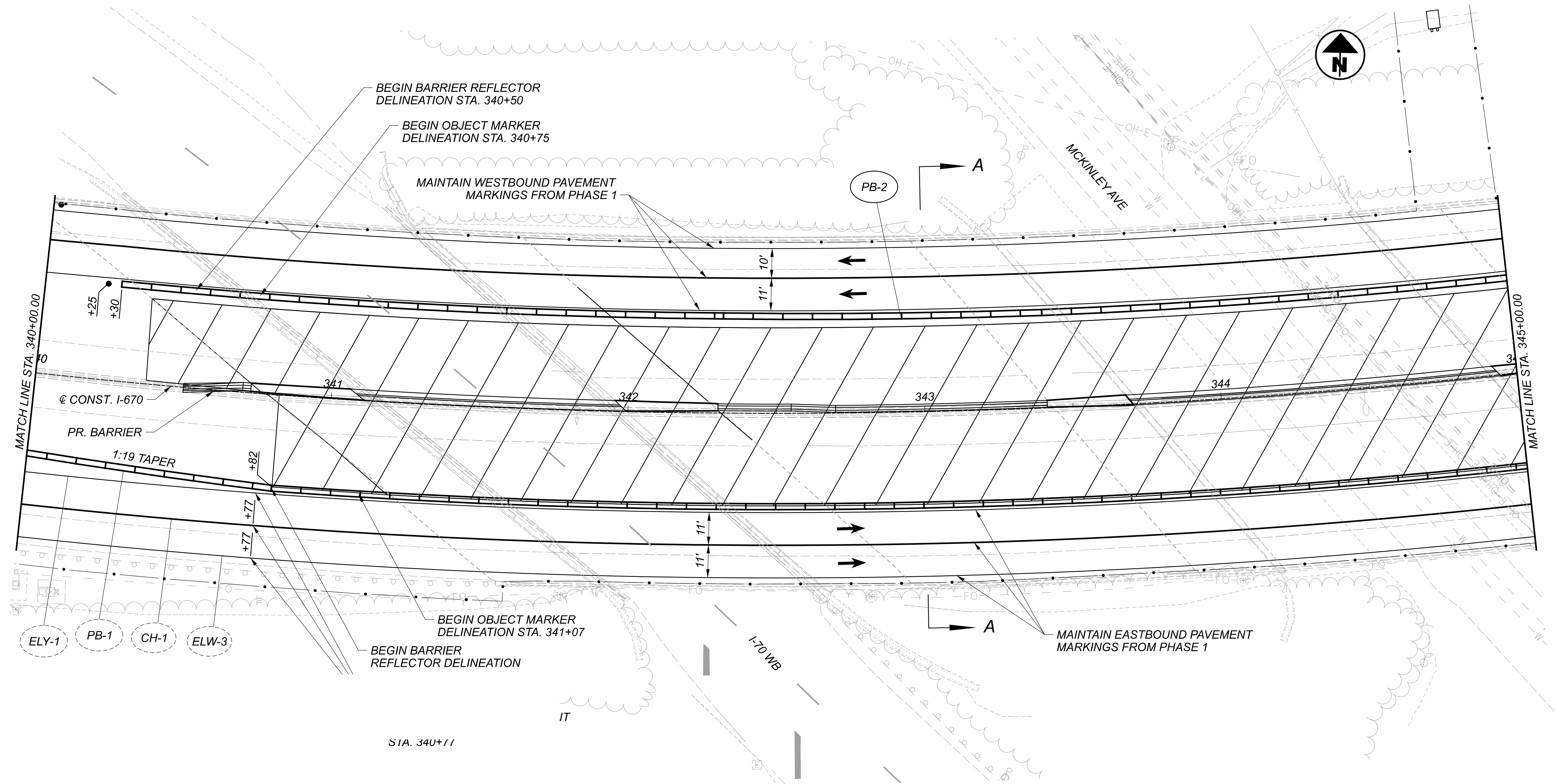
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

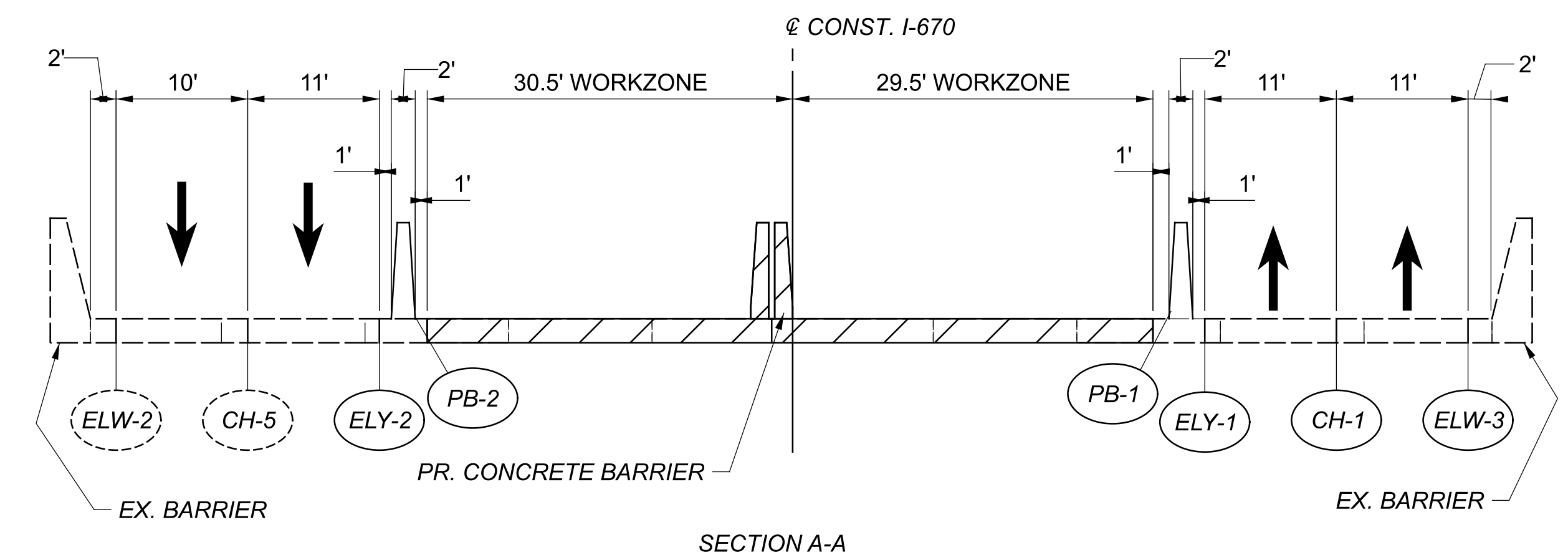
SHEET TOTAL
 P.30 P.179



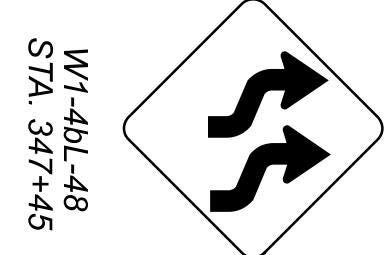
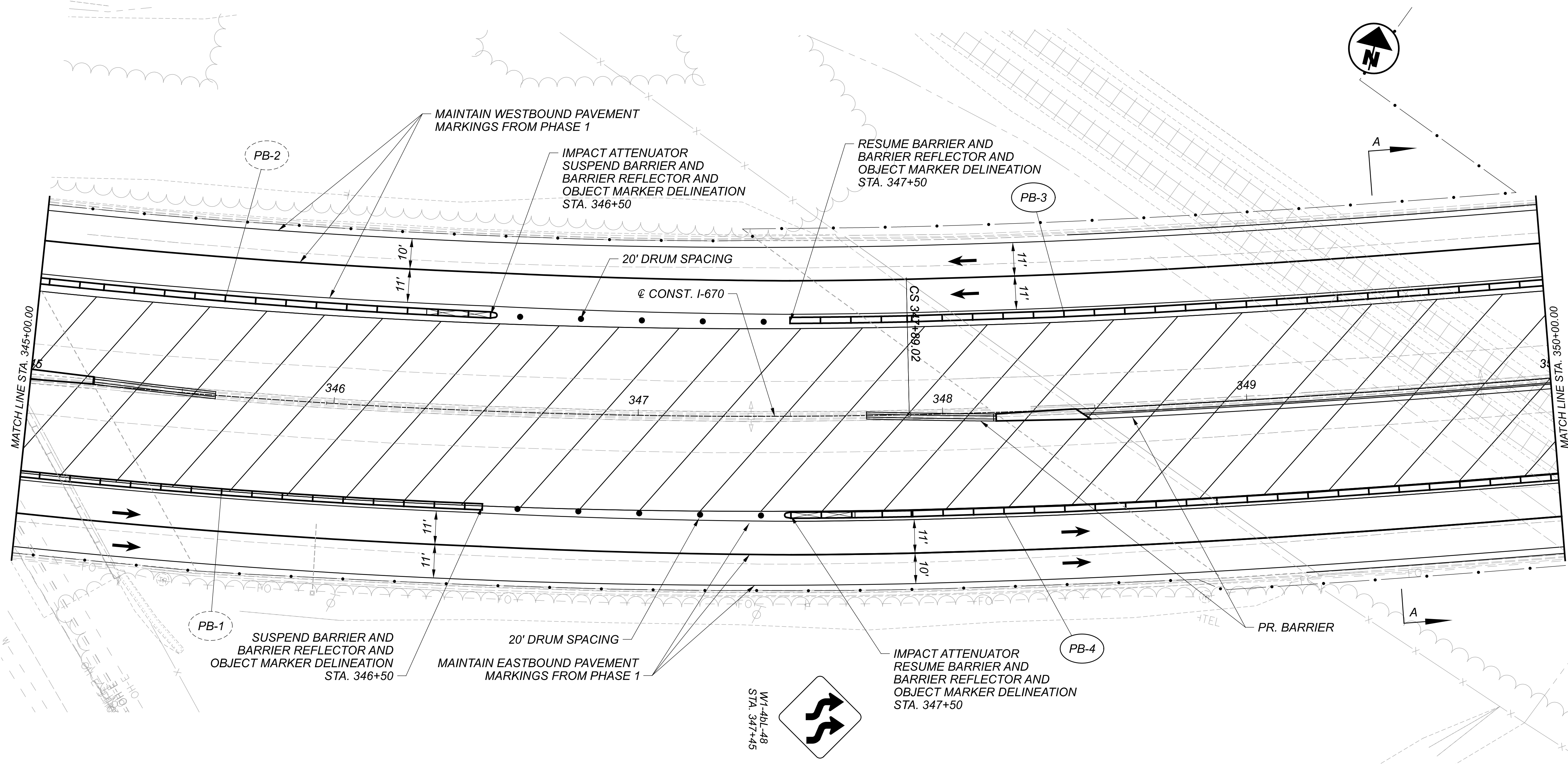
MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 340+00 TO STA. 345+00

LEGEND

(PB) PORTABLE BARRIER, UNANCHORED	(EL) WORK ZONE EDGE LINE, 6"
AREA TO BE CONSTRUCTED	(DL) WORK ZONE DOTTED LINE, 6"
DIRECTION OF TRAFFIC	(CH) WORK ZONE CHANNELIZING LINE, 8"
DRUMS	(BR) BARRIER REFLECTOR/OBJECT MARKER DELINEATION
IMPACT ATTENUATOR	



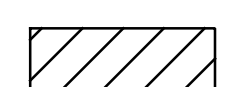


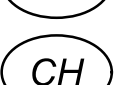


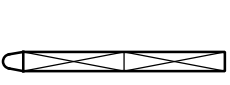


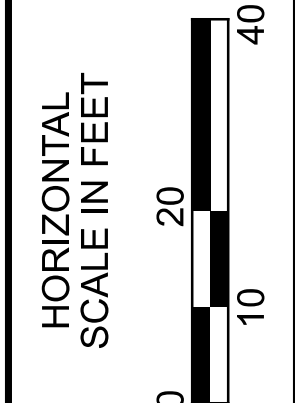
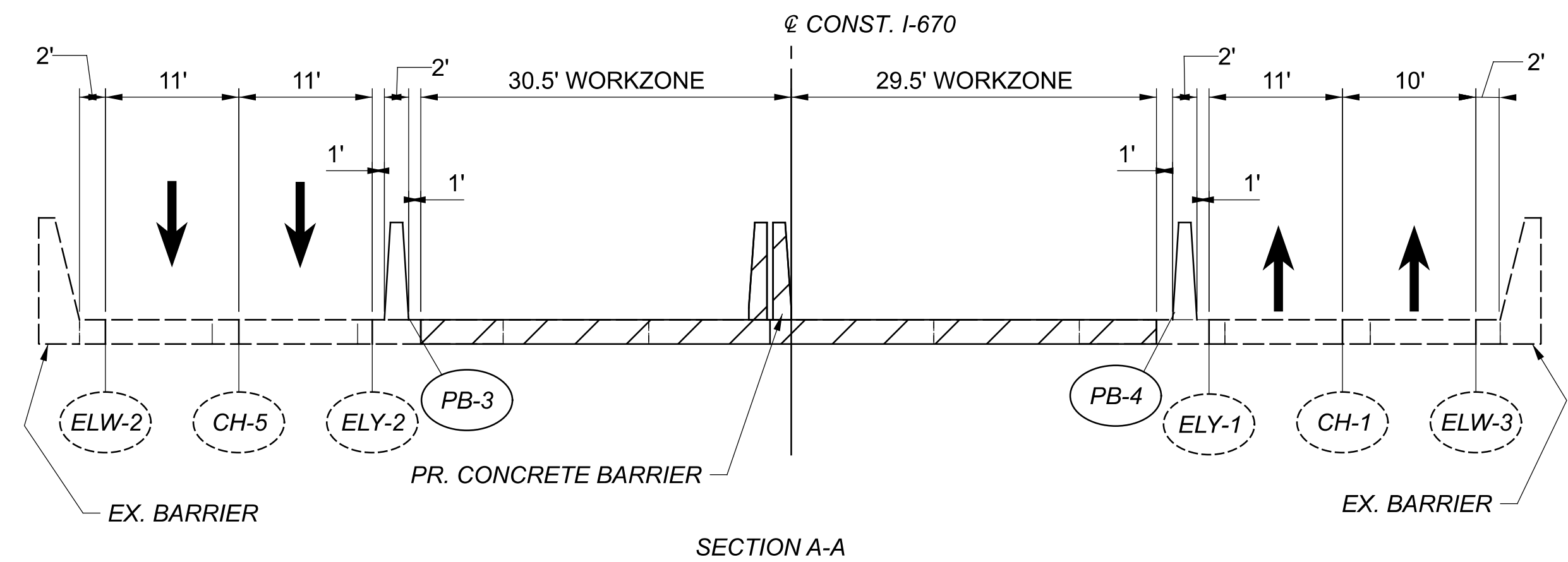
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.31
TOTAL	P.179



W1-4BL-48
 STA. 347+45

LEGEND

- | | | | |
|---|------------------------------|---|---|
|  | PORTABLE BARRIER, UNANCHORED |  | WORK ZONE EDGE LINE, 6" |
|  | AREA TO BE CONSTRUCTED |  | WORK ZONE DOTTED LINE, 6" |
|  | DIRECTION OF TRAFFIC |  | WORK ZONE CHANNELIZING LINE, 8" |
|  | DRUMS |  | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
|  | IMPACT ATTENUATOR | | |



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 345+00 TO STA. 350+00

DESIGN AGENCY

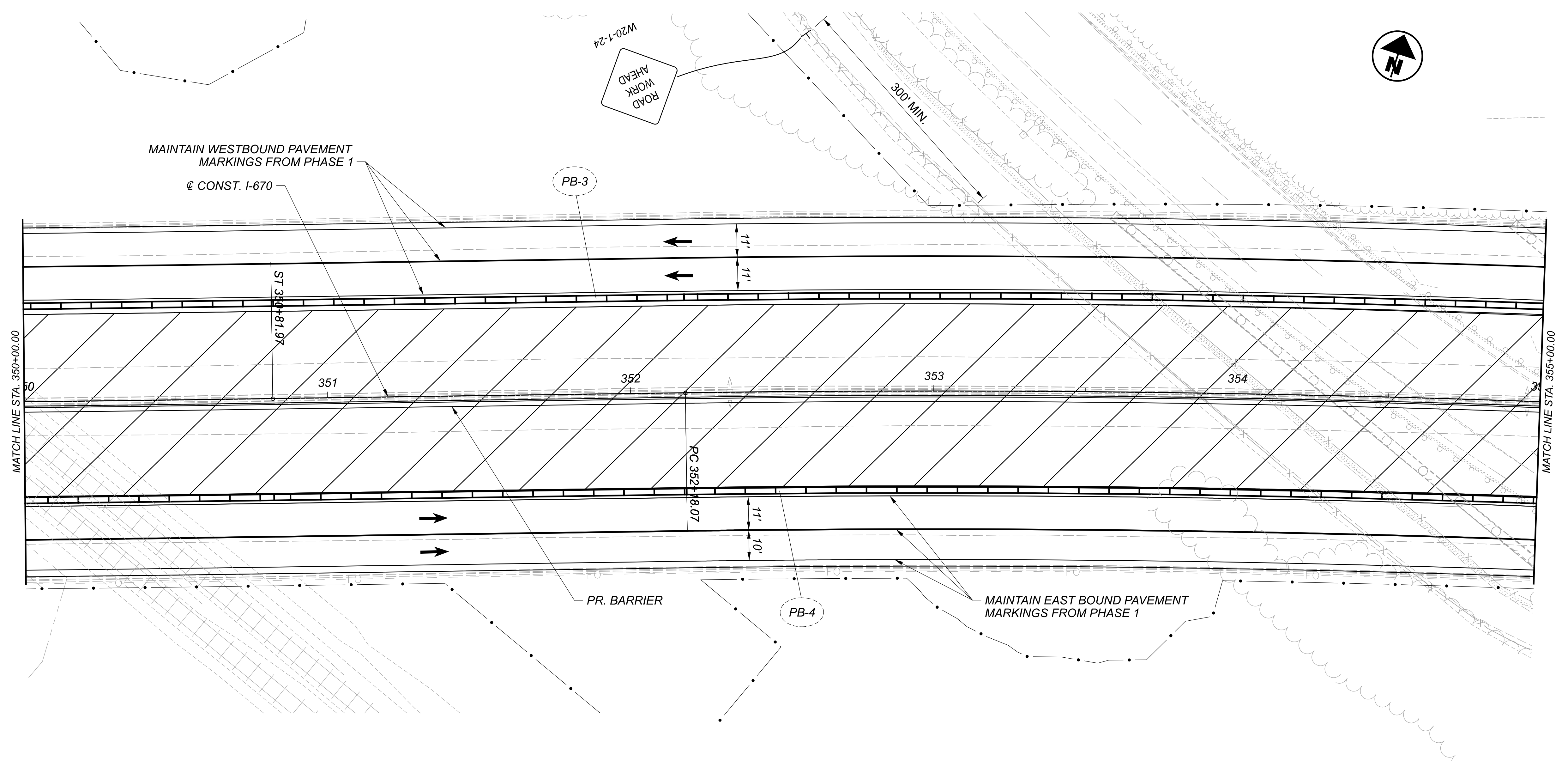
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

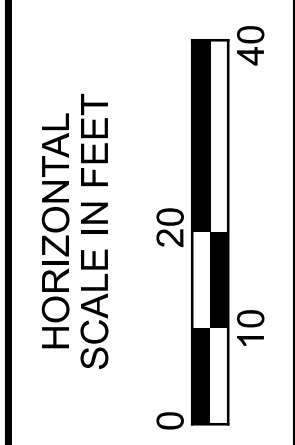
PROJECT ID
 111641

SHEET TOTAL
 P.32 P.179



LEGEND

- | | | | |
|--|------------------------------|--|---|
| | PORTABLE BARRIER, UNANCHORED | | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 350+00 TO STA. 355+00

DESIGN AGENCY

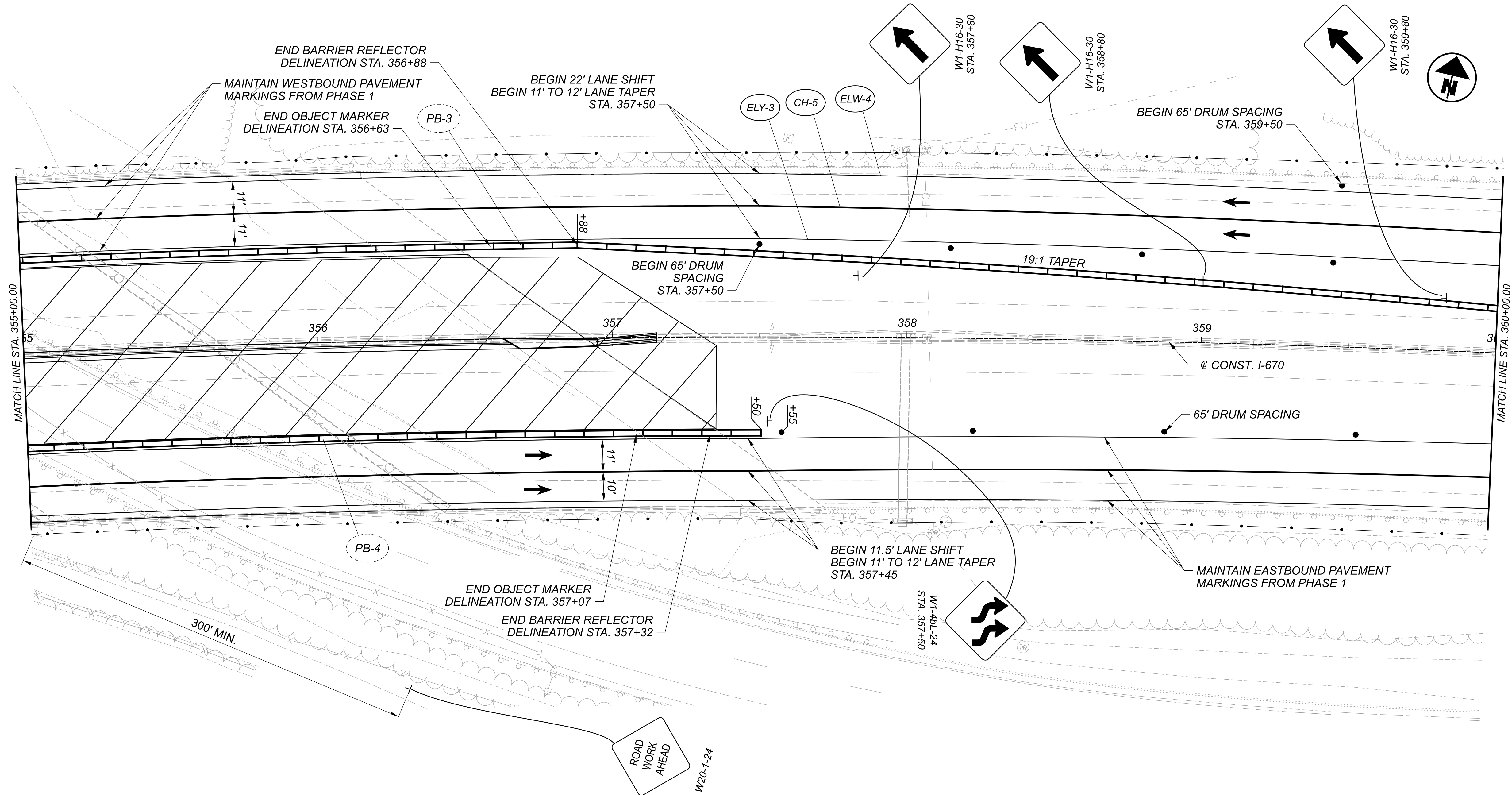
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

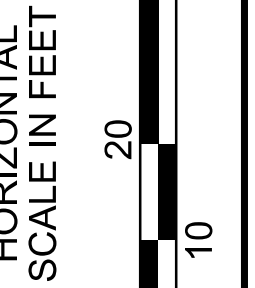
PROJECT ID
 111641

SHEET TOTAL
 P.33 P.179



LEGEND

- | | | | |
|----|------------------------------|----|---|
| PB | PORTABLE BARRIER, UNANCHORED | EL | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | DL | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | CH | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | BR | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 355+00 TO STA. 360+00

DESIGN AGENCY

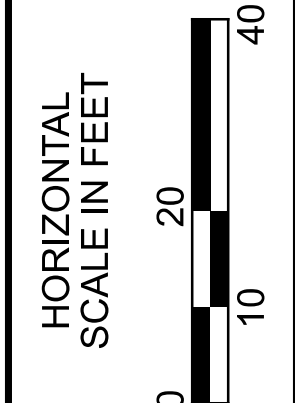
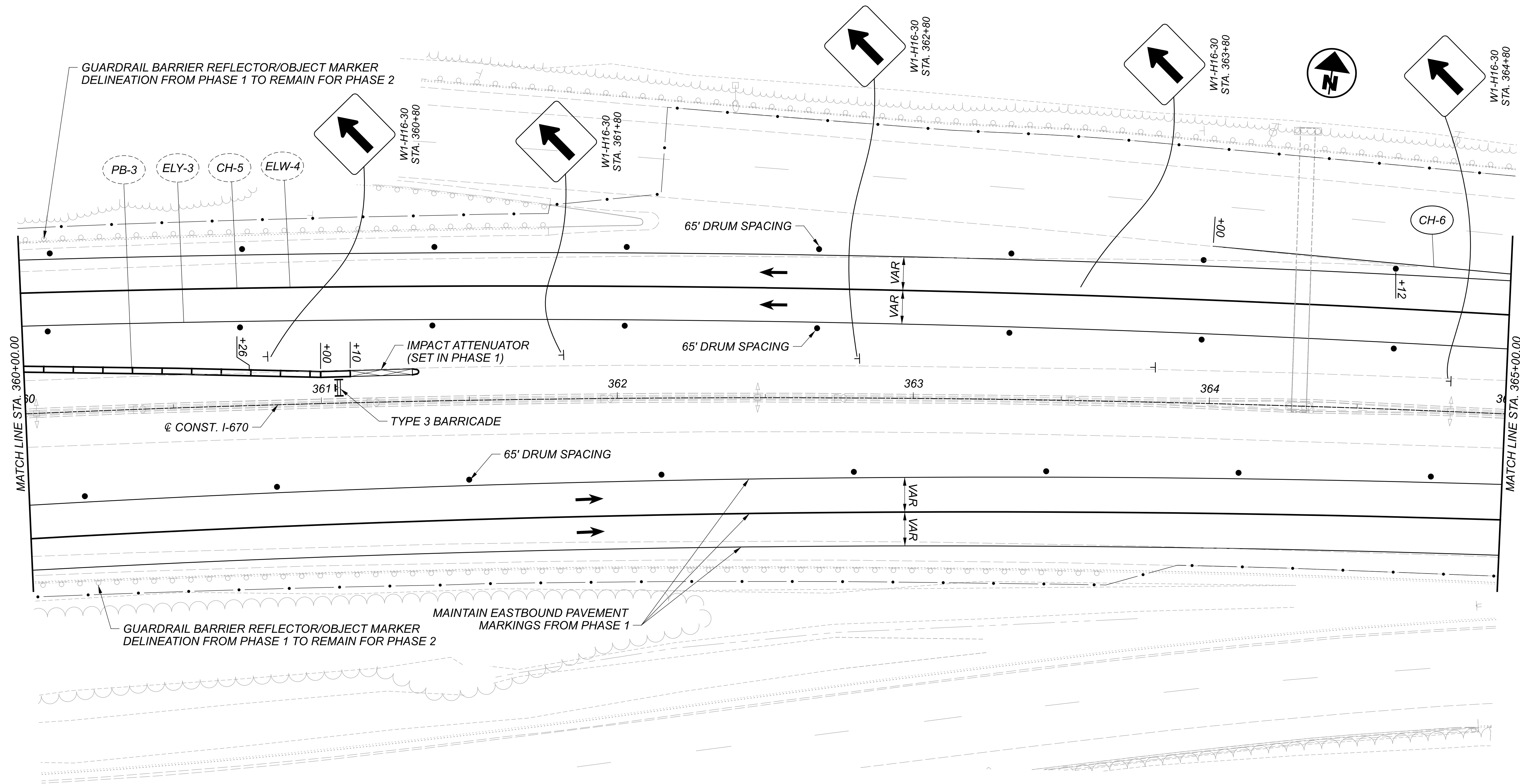
Michael Baker INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

SHEET TOTAL
 P.34 P.179



MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 360+00 TO STA. 365+00

LEGEND

- | | |
|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |

DESIGN AGENCY

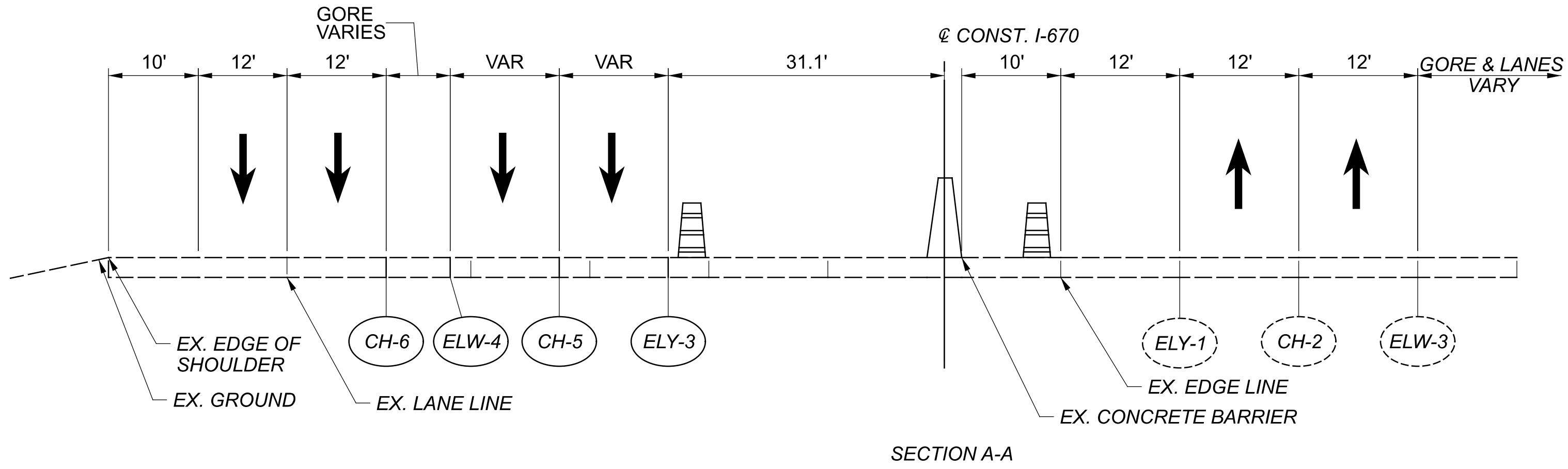
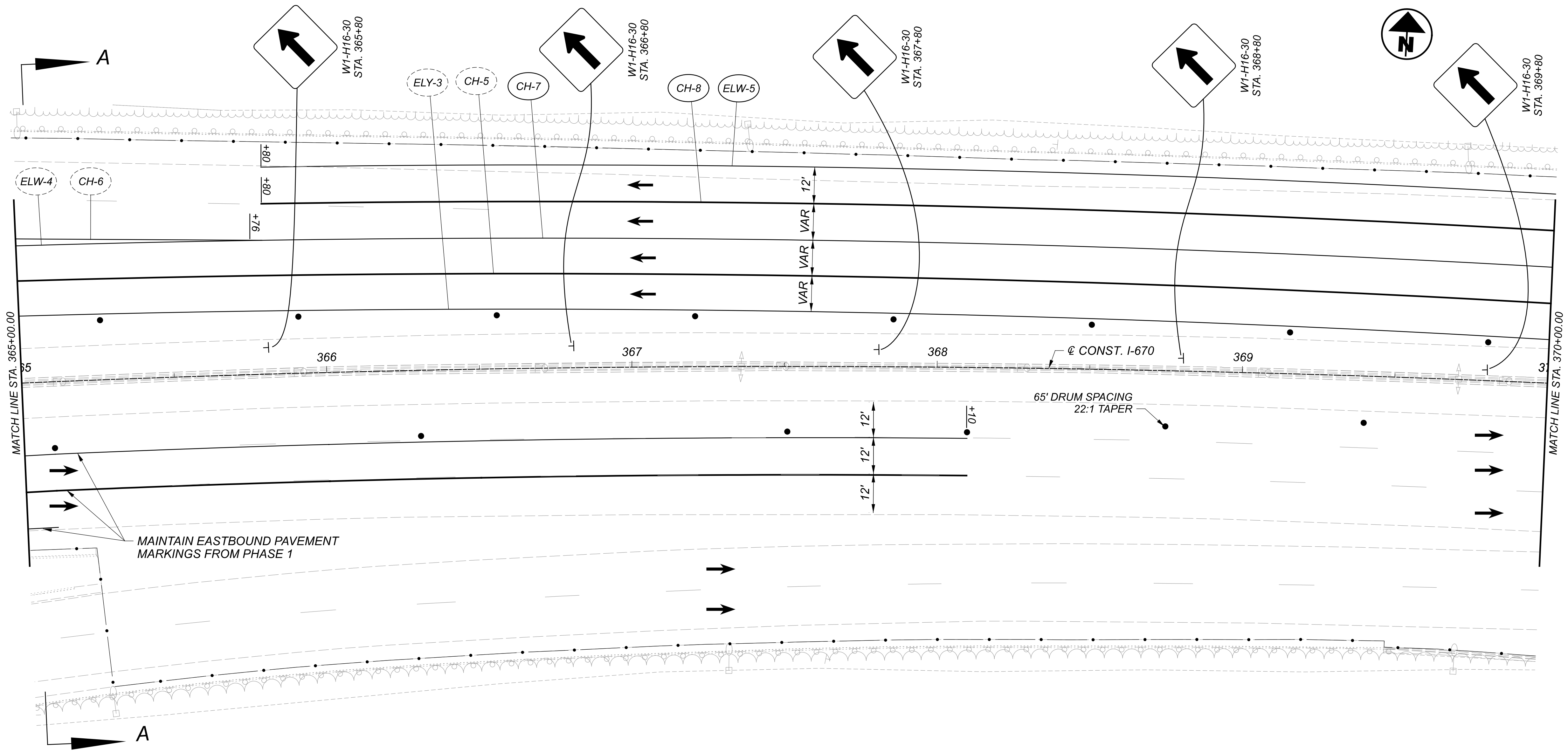
Michael Baker
INTERNATIONAL

DESIGNER
CAH

REVIEWER
KMD 10/31/23

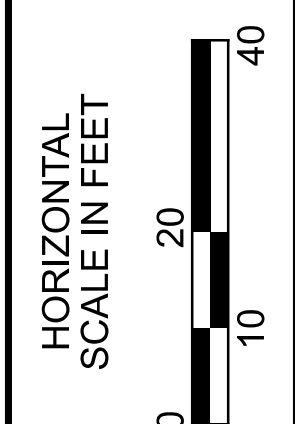
PROJECT ID
111641

SHEET TOTAL
P.35 P.179



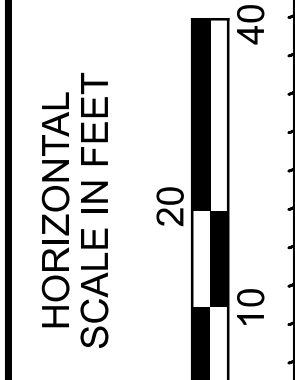
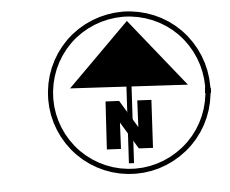
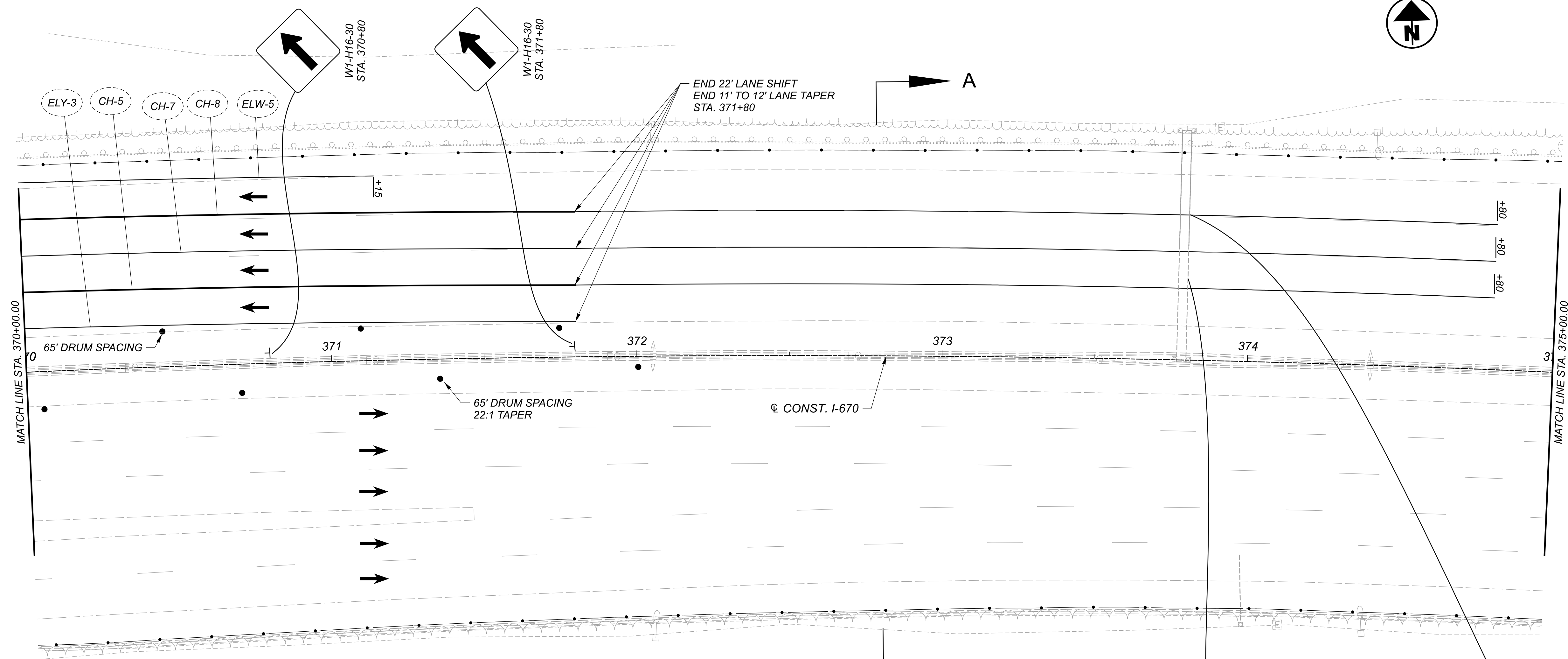
LEGEND

PORTABLE BARRIER, UNANCHORED	WORK ZONE EDGE LINE, 6"
AREA TO BE CONSTRUCTED	WORK ZONE DOTTED LINE, 6"
DIRECTION OF TRAFFIC	WORK ZONE CHANNELIZING LINE, 8"
DRUMS	BARRIER REFLECTOR/OBJECT MARKER DELINEATION
IMPACT ATTENUATOR	

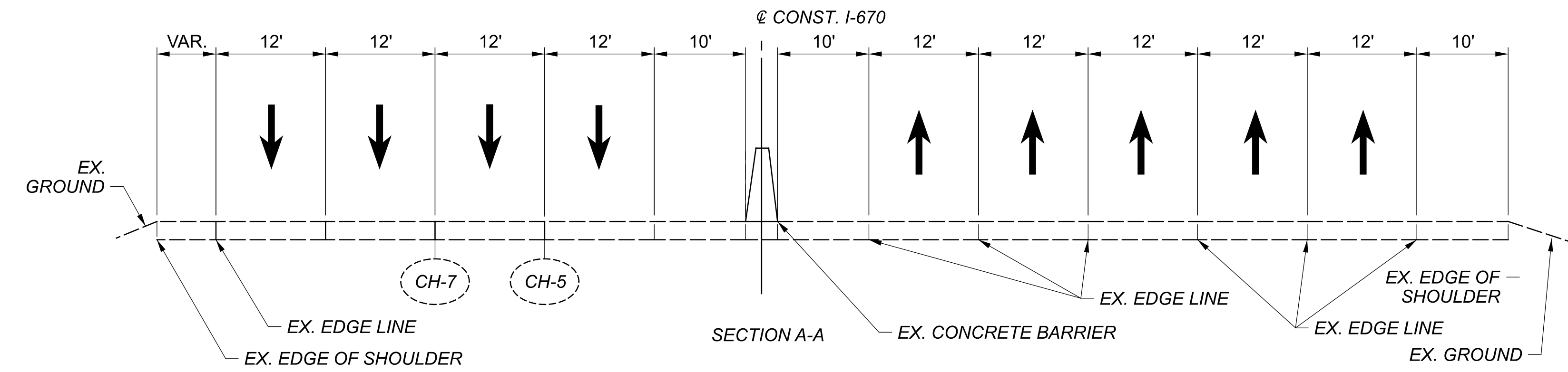
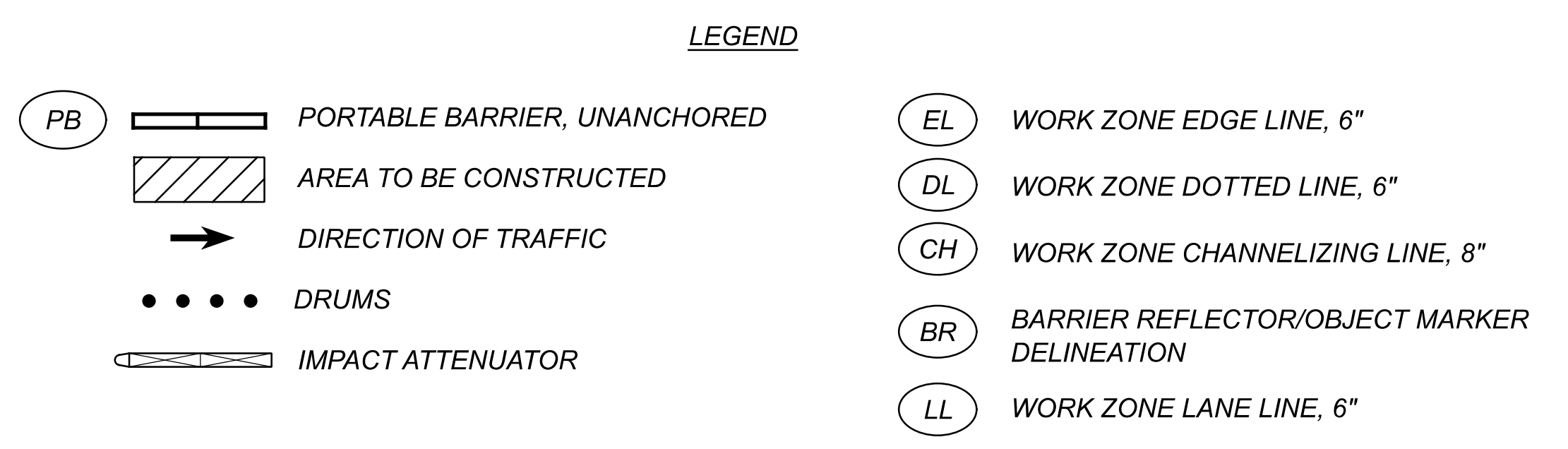
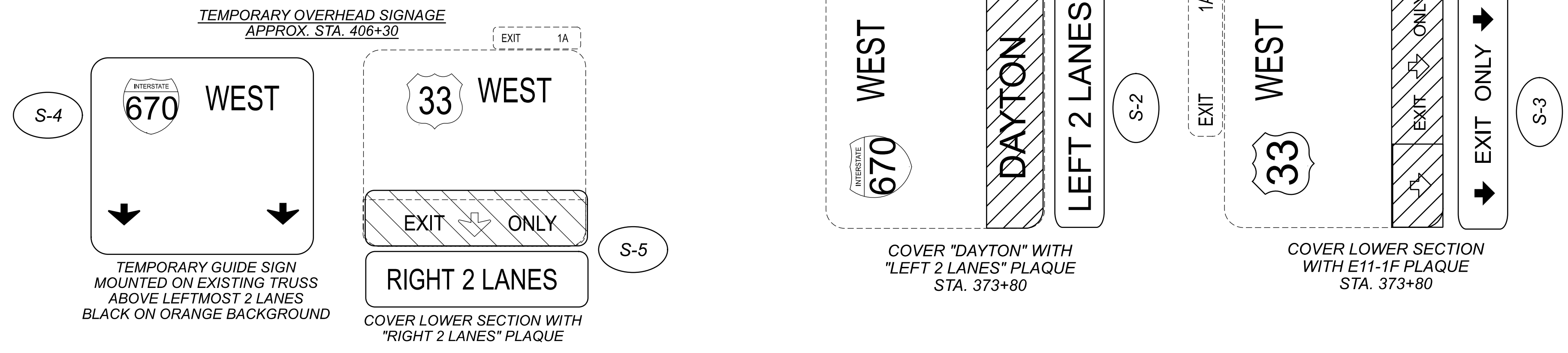
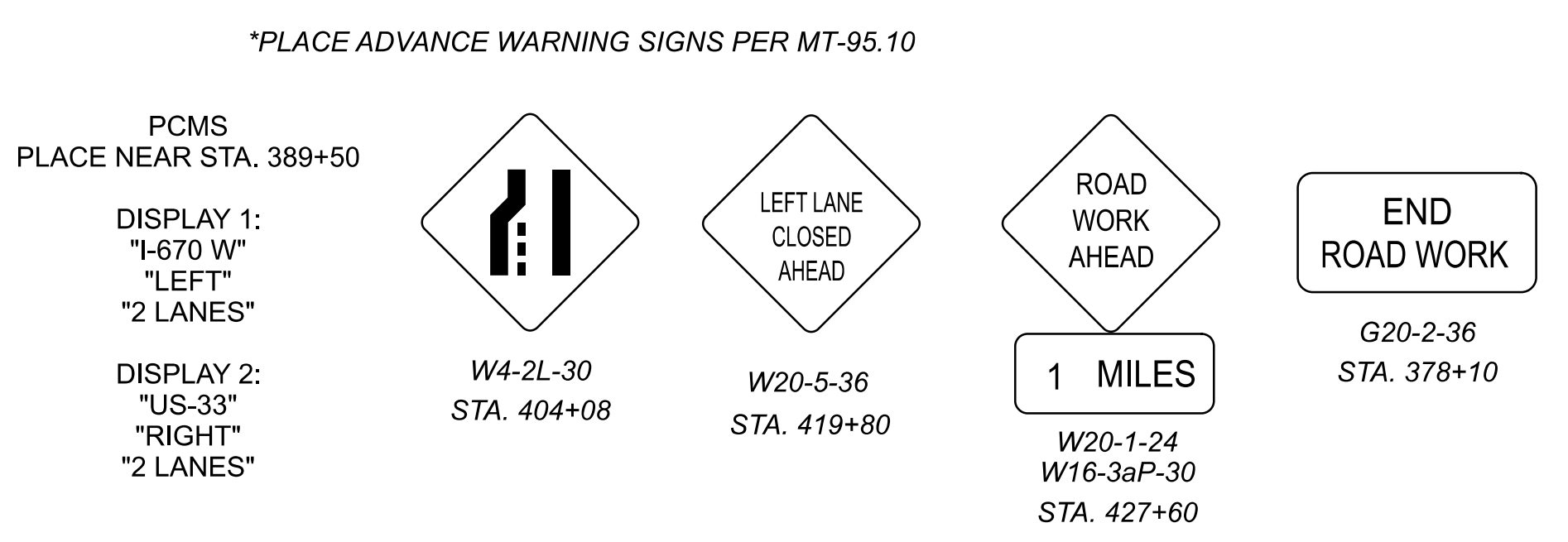


MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 365+00 TO STA. 370+00

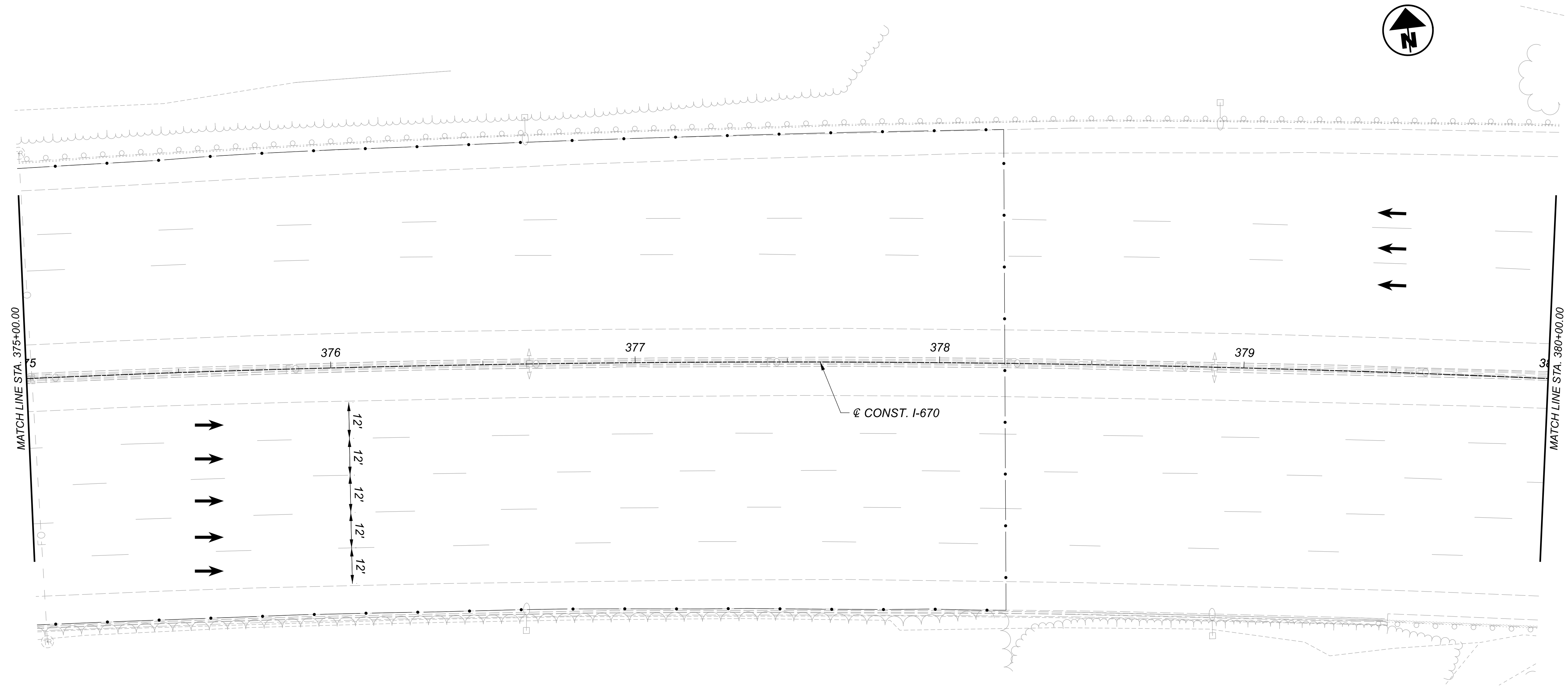
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.36
TOTAL	P.179




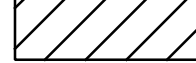


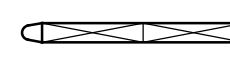




MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 370+00 TO STA. 375+00



DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.37
TOTAL	P.179



LEGEND

-  PORTABLE BARRIER, UNANCHORED
-  AREA TO BE CONSTRUCTED
-  DIRECTION OF TRAFFIC
-  DRUMS
-  IMPACT ATTENUATOR
-  WORK ZONE EDGE LINE, 6"
-  WORK ZONE DOTTED LINE, 6"
-  WORK ZONE CHANNELIZING LINE, 8"
-  BARRIER REFLECTOR/OBJECT MARKER DELINEATION

DESIGN AGENCY

Michael Baker
INTERNATIONAL

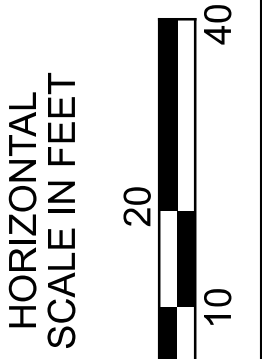
DESIGNER
CAH

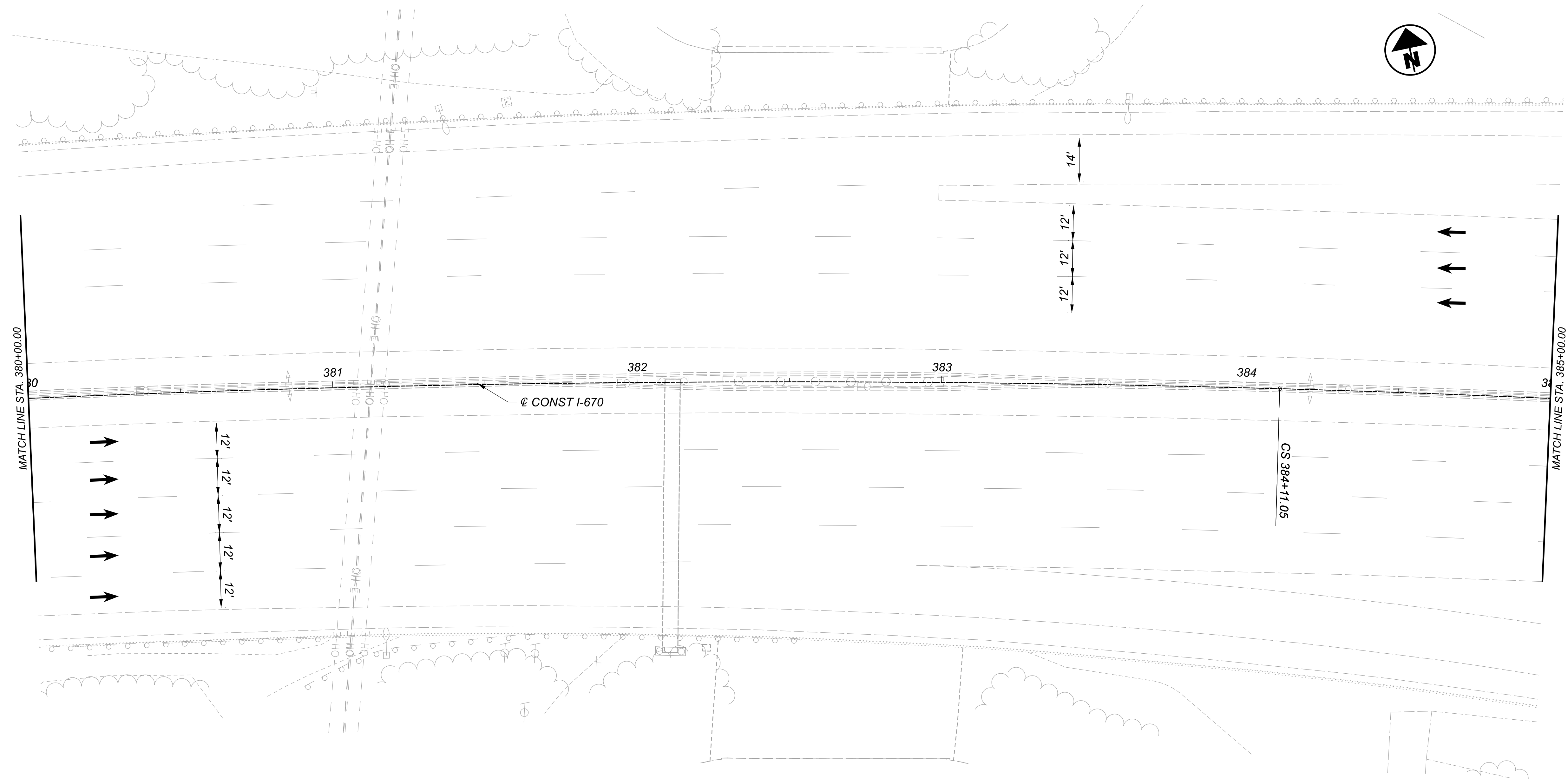
REVIEWER
KMD 10/31/23

PROJECT ID
111641

SHEET	TOTAL
P.38	P.179

MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 375+00 TO STA. 380+00





LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION

DESIGN AGENCY

Michael Baker
INTERNATIONAL

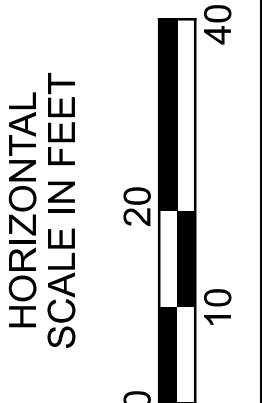
DESIGNER
CAH

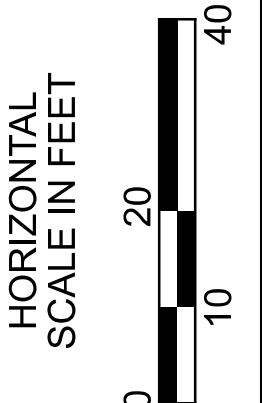
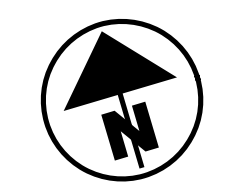
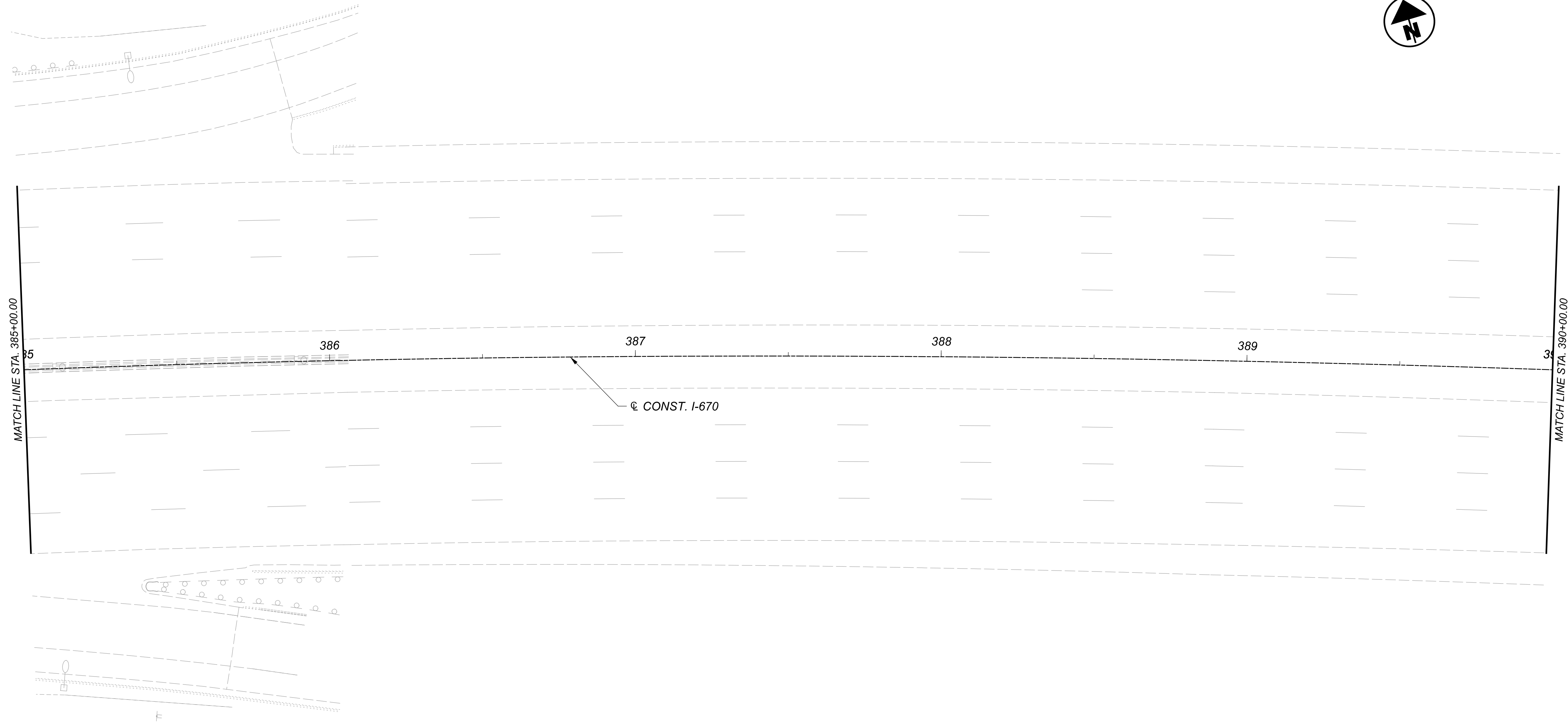
REVIEWER
KMD 10/31/23

PROJECT ID
111641

SHEET TOTAL
P.39 P.179

MAINTENANCE OF TRAFFIC PHASE TWO
STA. 380+00 TO STA. 385+00





MAINTENANCE OF TRAFFIC PHASE TWO
 STA. 385+00 TO STA. 390+00

LEGEND

- | | | | |
|----|------------------------------|----|---|
| PB | PORTABLE BARRIER, UNANCHORED | EL | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | DL | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | CH | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | BR | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |

DESIGN AGENCY

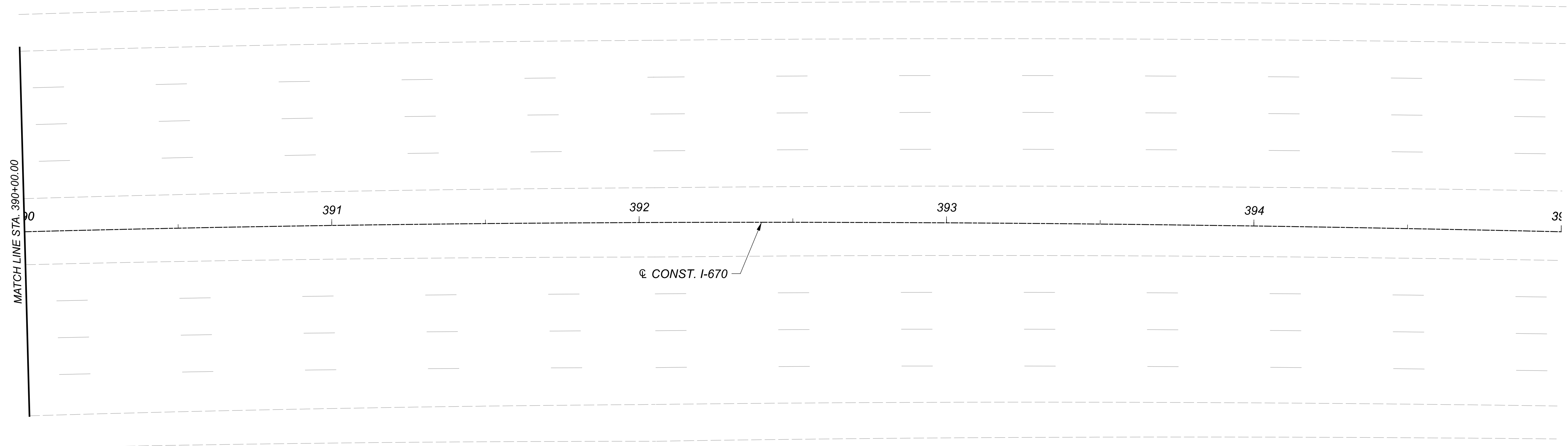
Michael Baker
INTERNATIONAL

DESIGNER
CAH



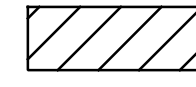

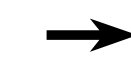



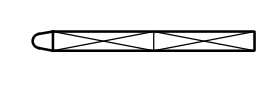
REVIEWER
KMD 10/31/23

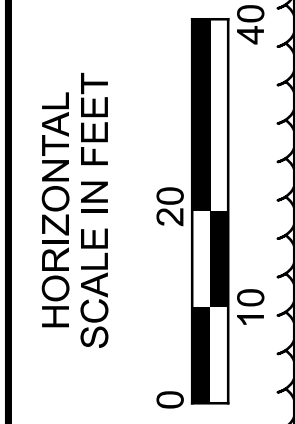
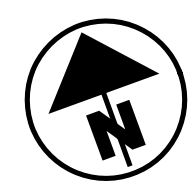
PROJECT ID
111641

SHEET	TOTAL
P.40	P.179



LEGEND

- | | |
|--|---|
|  PB PORTABLE BARRIER, UNANCHORED |  EL WORK ZONE EDGE LINE, 6" |
|  AREA TO BE CONSTRUCTED |  DL WORK ZONE DOTTED LINE, 6" |
|  DIRECTION OF TRAFFIC |  CH WORK ZONE CHANNELIZING LINE, 8" |
|  DRUMS |  BR BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
|  IMPACT ATTENUATOR | |



MAINTENANCE OF TRAFFIC PHASE TWO
STA. 390+00 TO STA. 395+00

DESIGN AGENCY

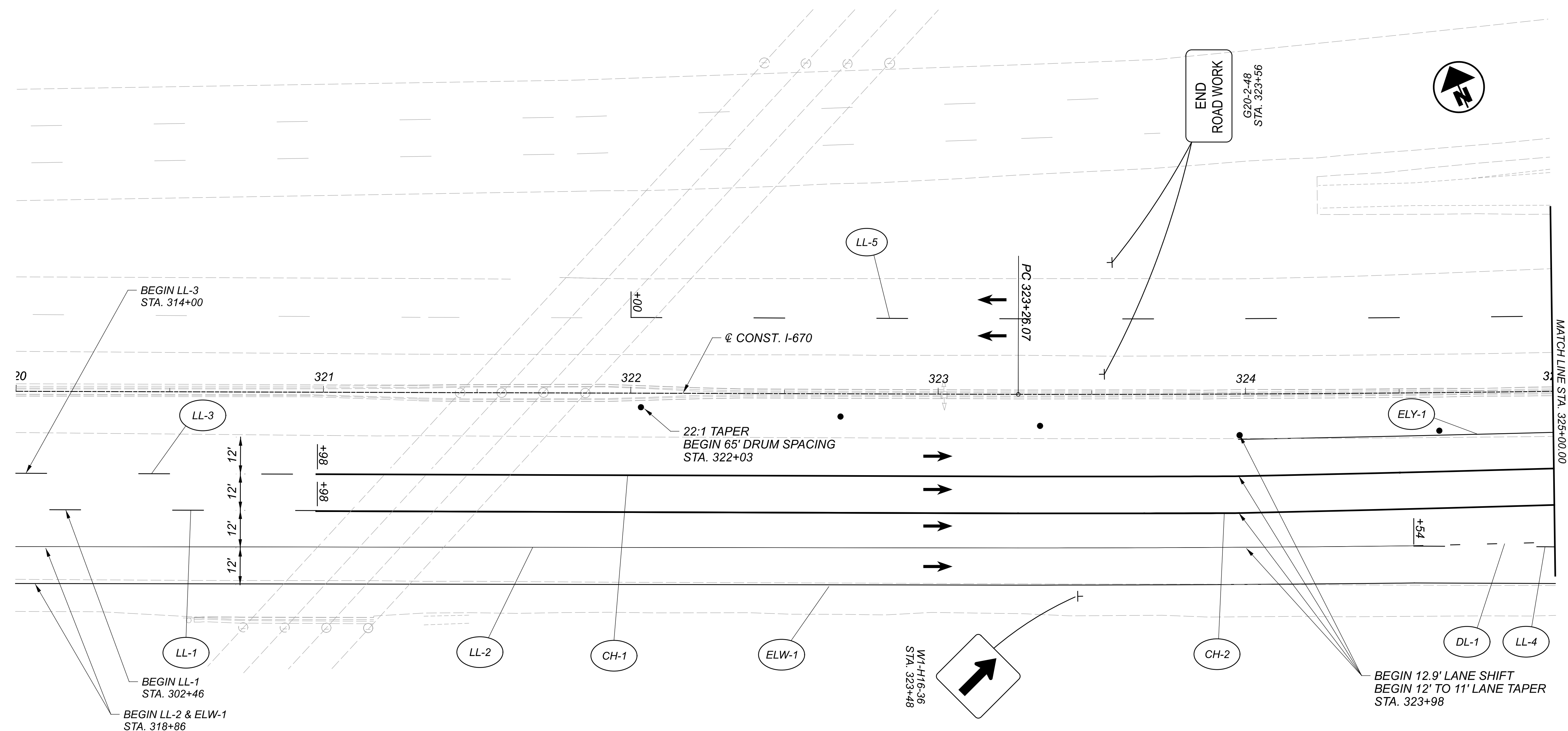
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

SHEET	TOTAL
P.41	P.179



LEGEND

- | | |
|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | WORK ZONE LANE LINE, 6" |

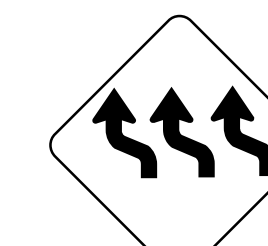
TYPE A WARNING LIGHT



W20-1-24
STA. 272+08



R4-9-18
STA. 298+48



W1-4cL-48
STA. 313+48

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

CAH

REVIEWER

KMD 10/31/23

PROJECT ID

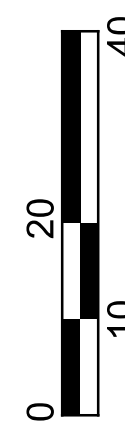
111641

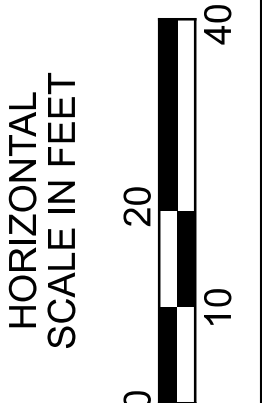
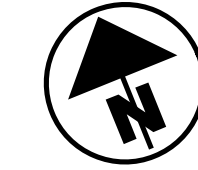
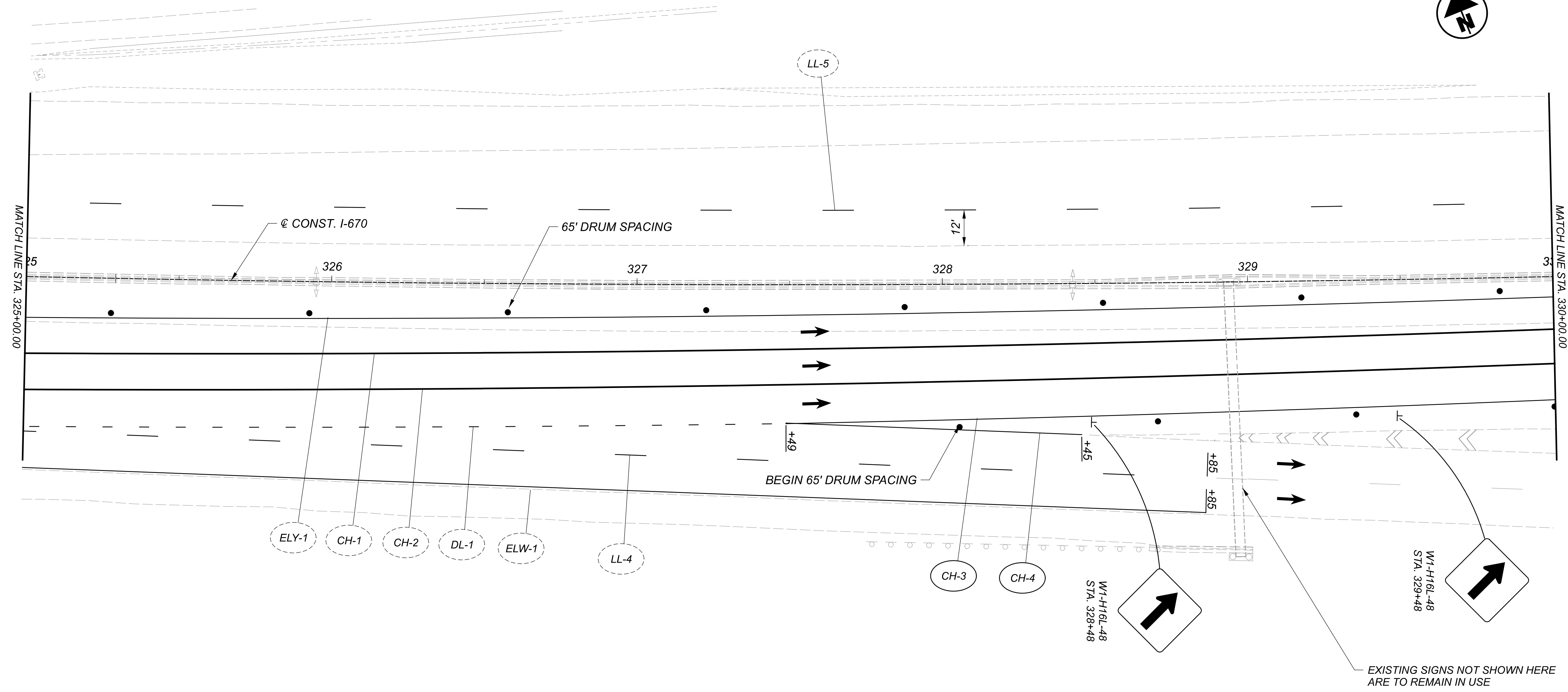
SHEET TOTAL

P.42 | P.179

MAINTENANCE OF TRAFFIC PHASE THREE
STA. 320+00 TO STA. 325+00

HORIZONTAL
SCALE IN FEET





MAINTENANCE OF TRAFFIC PHASE THREE
 STA. 325+00 TO STA. 330+00

EXISTING SIGNS NOT SHOWN HERE ARE TO REMAIN IN USE

LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION
- WORK ZONE LANE LINE, 6"

DESIGN AGENCY

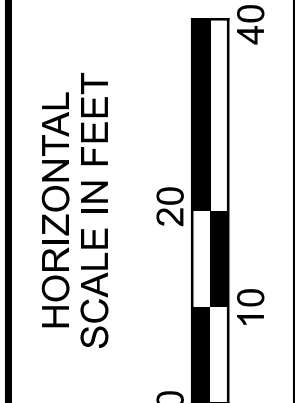
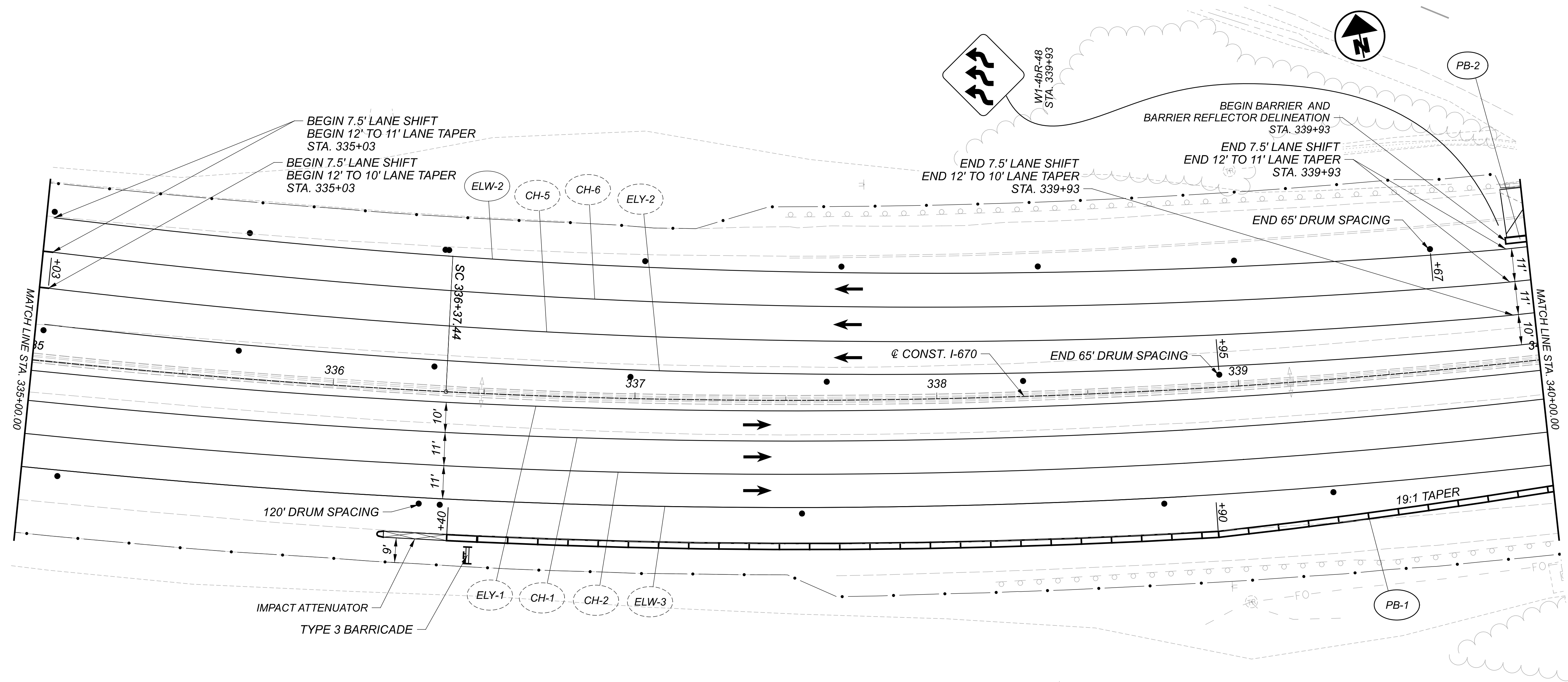
Michael Baker
INTERNATIONAL

DESIGNER
CAH

REVIEWER
KMD 10/31/23

PROJECT ID
111641

SHEET TOTAL
P.43 P.179

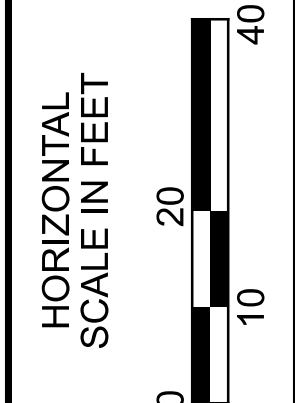
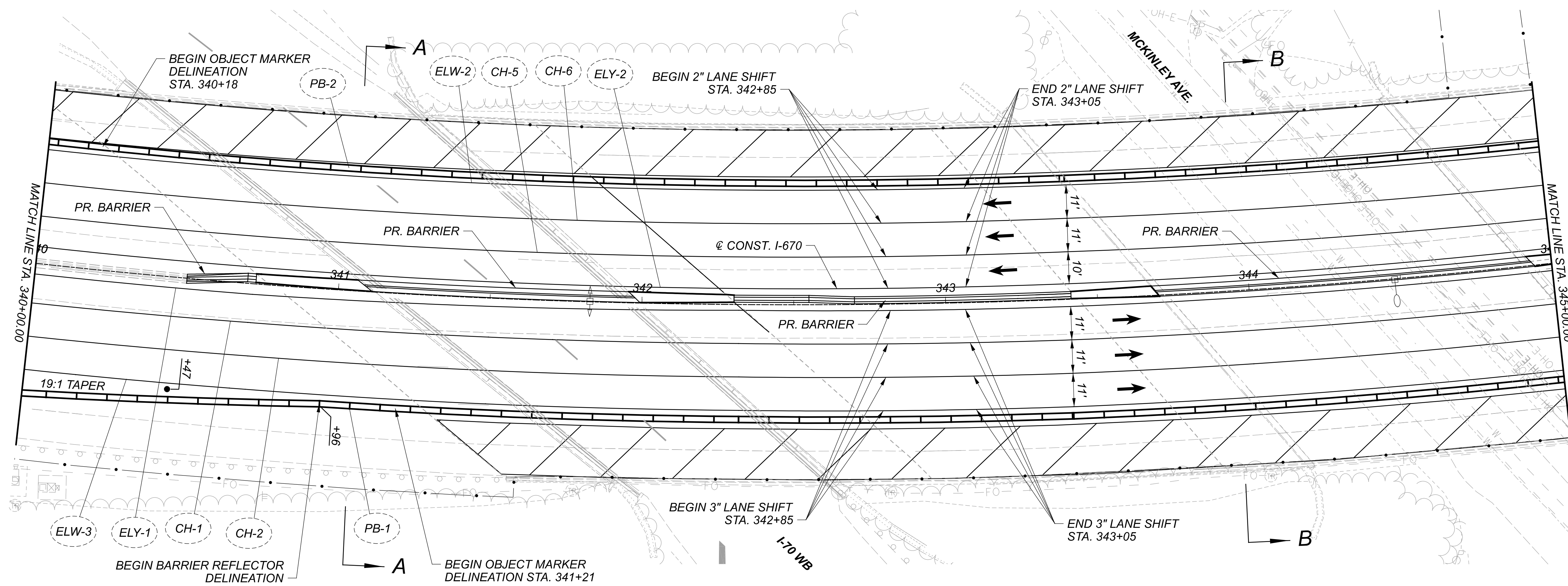


MAINTENANCE OF TRAFFIC PHASE THREE
 STA. 335+00 TO STA. 340+00



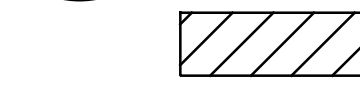






LEGEND

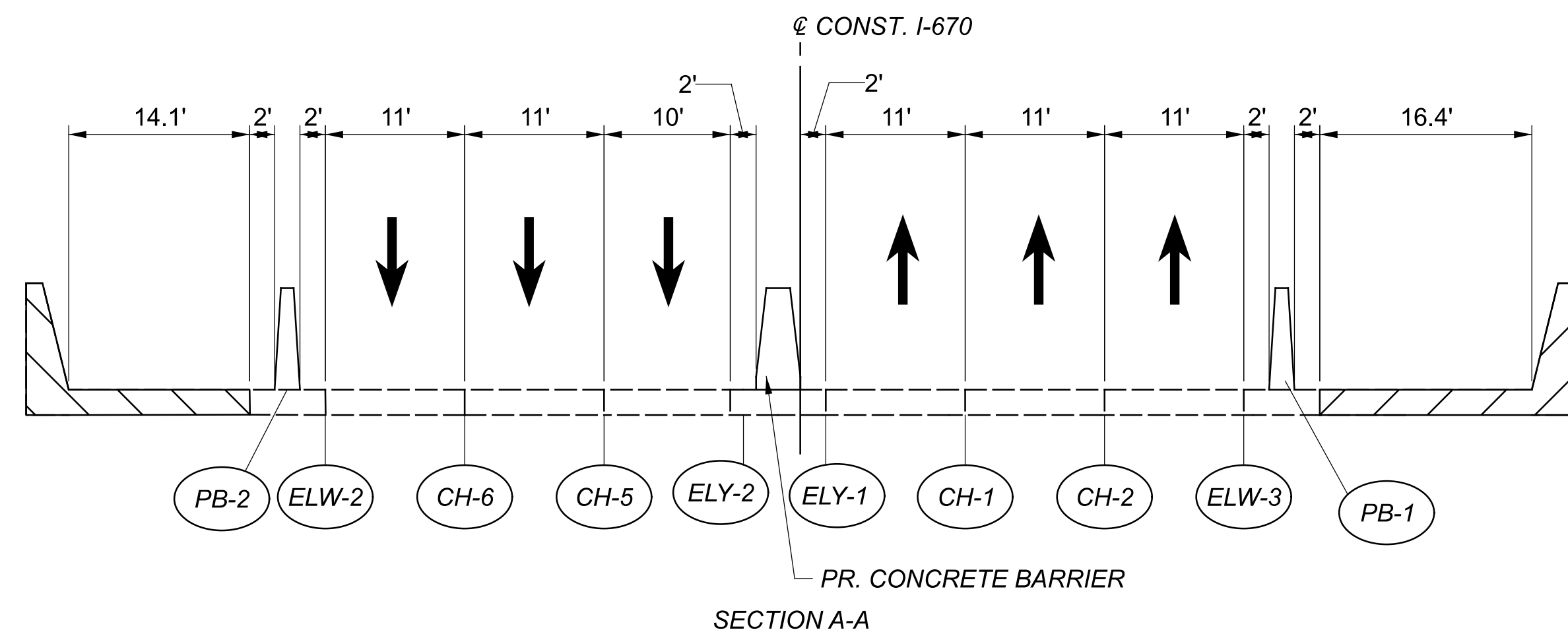
(PB)	PORTABLE BARRIER, UNANCHORED	(EL)	WORK ZONE EDGE LINE, 6"
	AREA TO BE CONSTRUCTED	(DL)	WORK ZONE DOTTED LINE, 6"
	DIRECTION OF TRAFFIC	(CH)	WORK ZONE CHANNELIZING LINE, 8"
	DRUMS	(BR)	BARRIER REFLECTOR/OBJECT MARKER DELINEATION
	IMPACT ATTENUATOR		

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	CAH
PROJECT ID	KMD 10/31/23
SHEET	111641
TOTAL	P.45 P.179

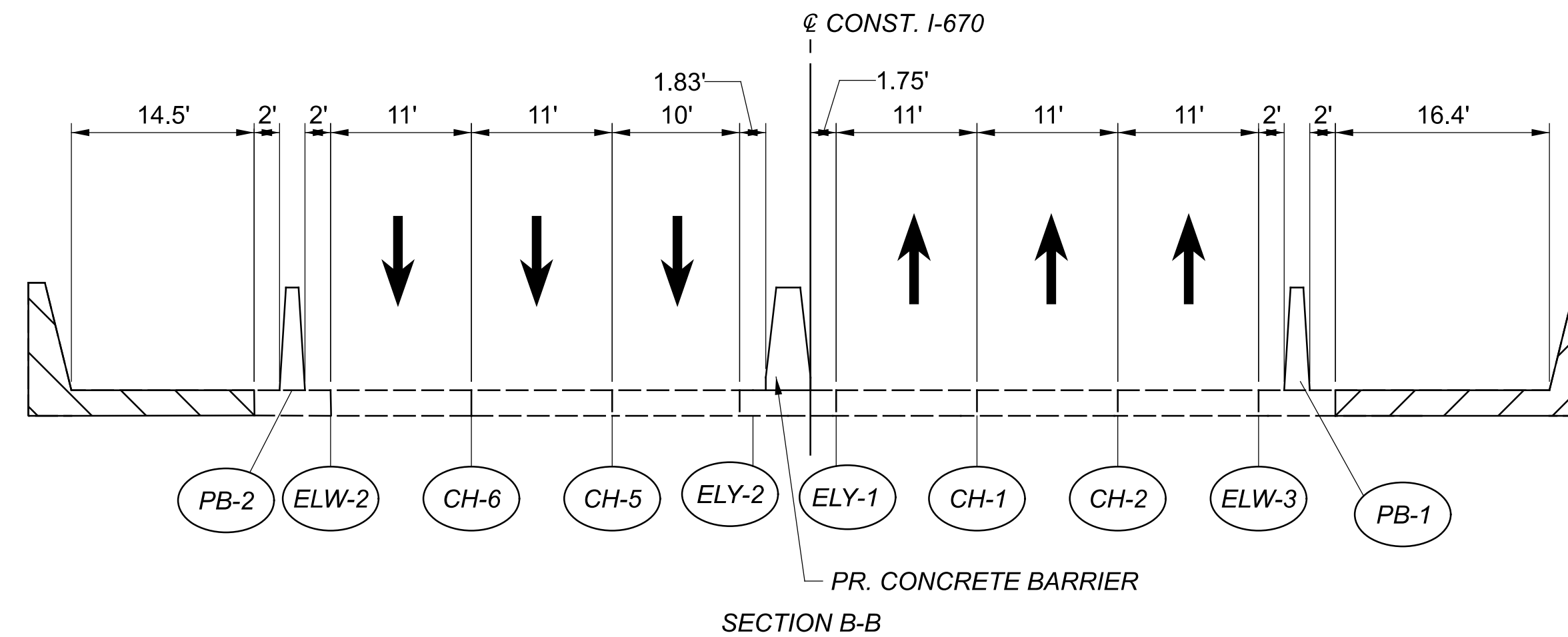


LEGEND

- | | | | |
|---|------------------------------|---|---|
|  PB | PORTABLE BARRIER, UNANCHORED |  EL | WORK ZONE EDGE LINE, 6" |
|  | AREA TO BE CONSTRUCTED |  DL | WORK ZONE DOTTED LINE, 6" |
|  | DIRECTION OF TRAFFIC |  CH | WORK ZONE CHANNELIZING LINE, 8" |
|  | DRUMS |  BR | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
|  | IMPACT ATTENUATOR | | |



SECTION A-A



SECTION B-B

**MAINTENANCE OF TRAFFIC PHASE THREE
 STA. 340+00 TO STA. 345+00**

DESIGN AGENCY

**Michael Baker
 INTERNATIONAL**

DESIGNER

CAH

REVIEWER

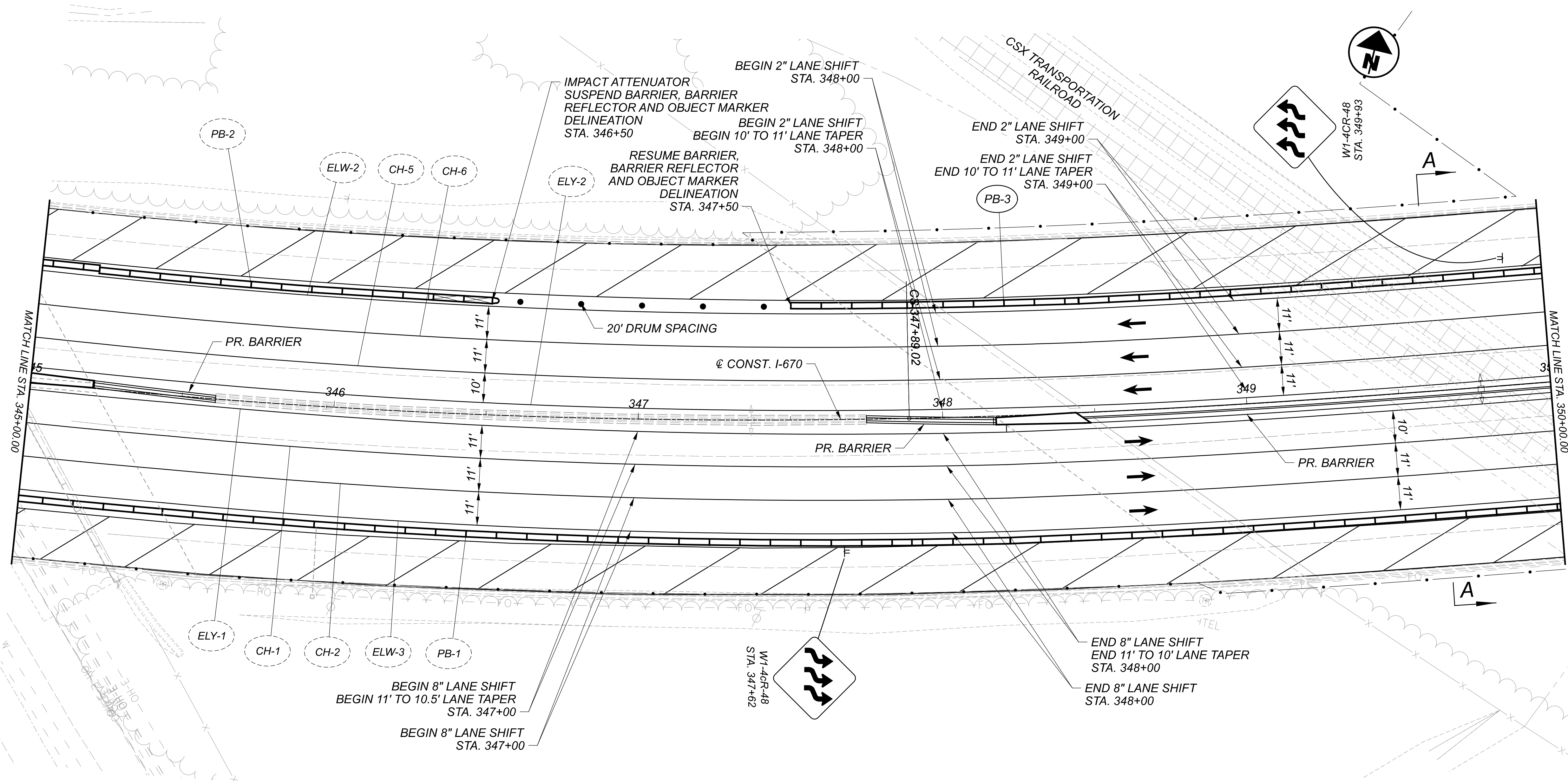
KMD 10/31/23

PROJECT ID

111641

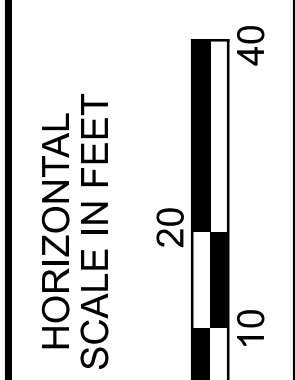
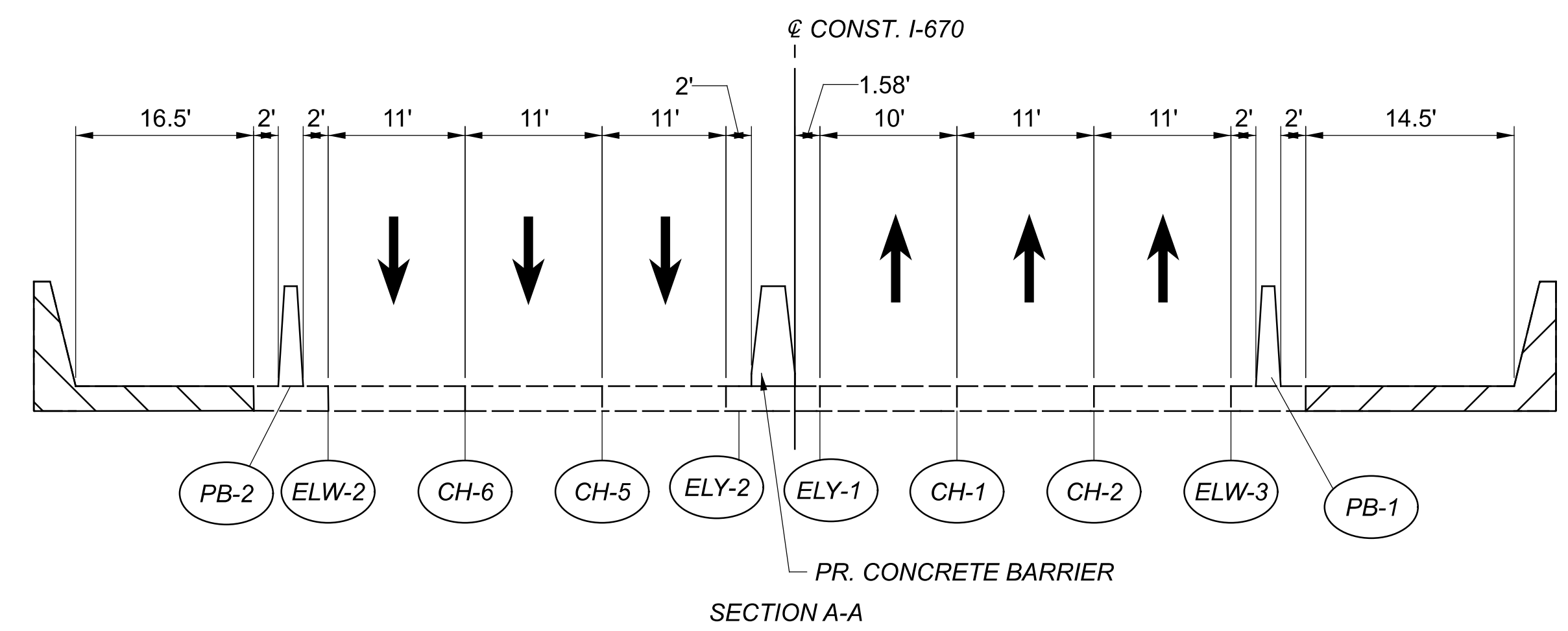
SHEET TOTAL

P.46 P.179



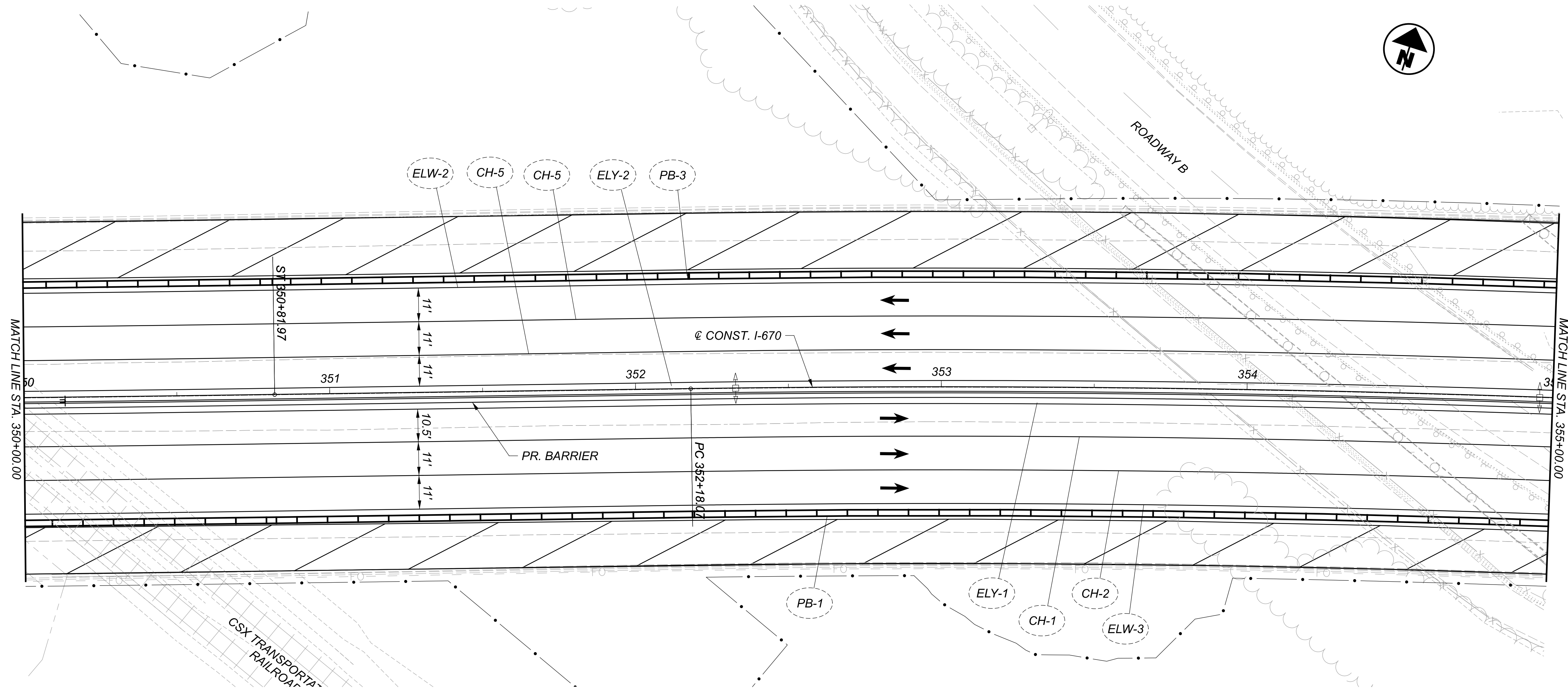
LEGEND

PORTABLE BARRIER, UNANCHORED	WORK ZONE EDGE LINE, 6"
AREA TO BE CONSTRUCTED	WORK ZONE DOTTED LINE, 6"
DIRECTION OF TRAFFIC	WORK ZONE CHANNELIZING LINE, 8"
DRUMS	BARRIER REFLECTOR/OBJECT MARKER DELINEATION
IMPACT ATTENUATOR	



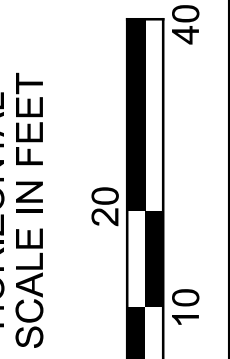
MAINTENANCE OF TRAFFIC PHASE THREE
STA. 345+00 TO STA. 350+00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.47
TOTAL	P.179



LEGEND

- | | | | |
|--|------------------------------|--|---|
| | PORTABLE BARRIER, UNANCHORED | | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |



MAINTENANCE OF TRAFFIC PHASE THREE
 STA. 350+00 TO STA. 355+00

DESIGN AGENCY

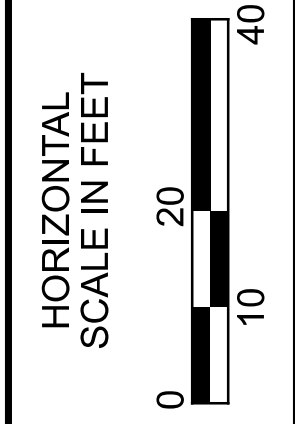
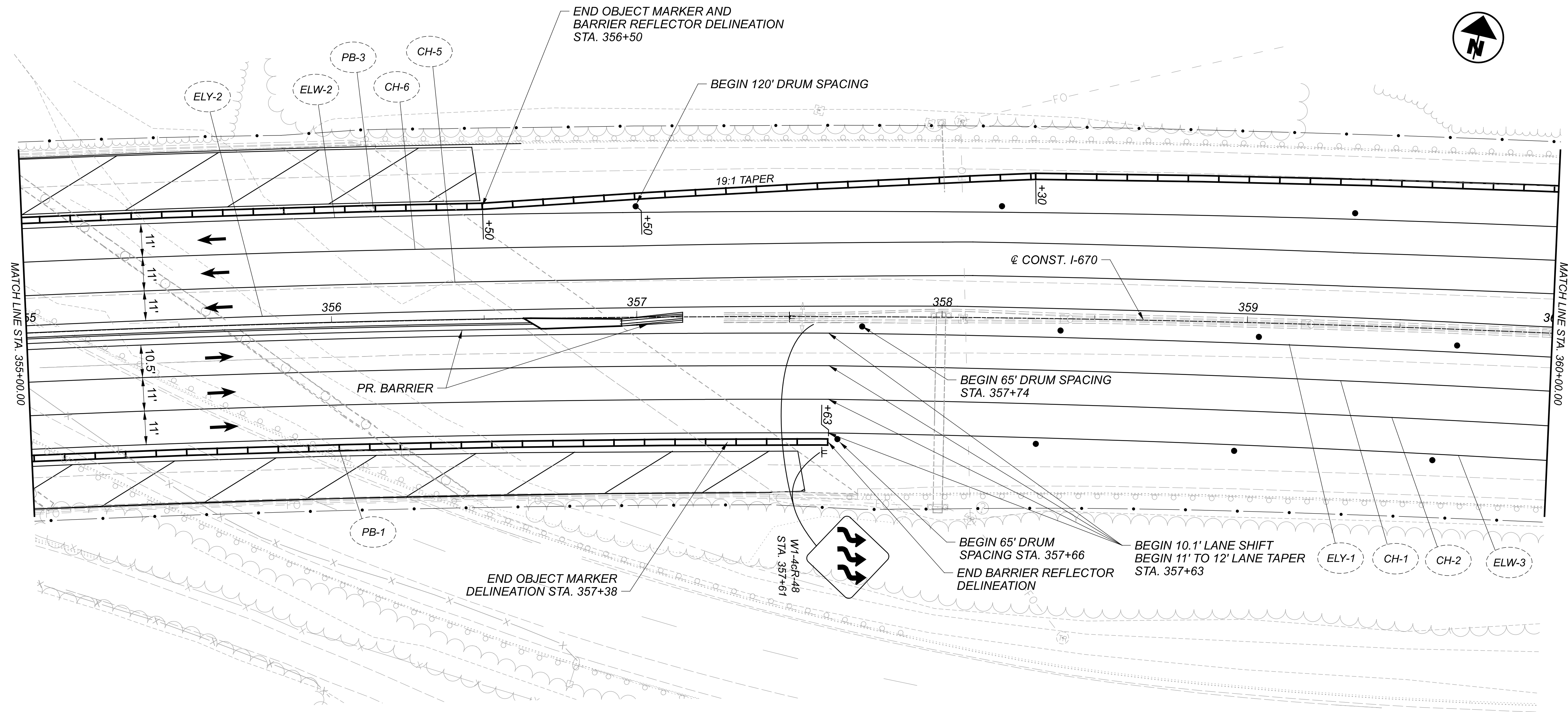
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

SHEET	TOTAL
P.48	P.179



MAINTENANCE OF TRAFFIC PHASE THREE
STA. 355+00 TO STA. 360+00

LEGEND

- | | |
|------------------------------------|--|
| (PB) PORTABLE BARRIER, UNANCHORED | (EL) WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | (DL) WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | (CH) WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | (BR) BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |

DESIGN AGENCY

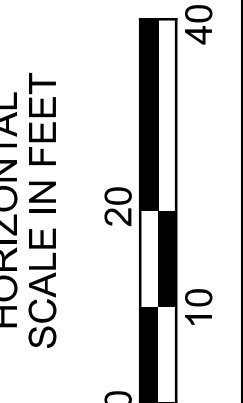
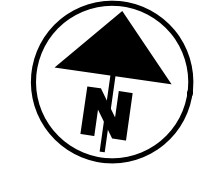
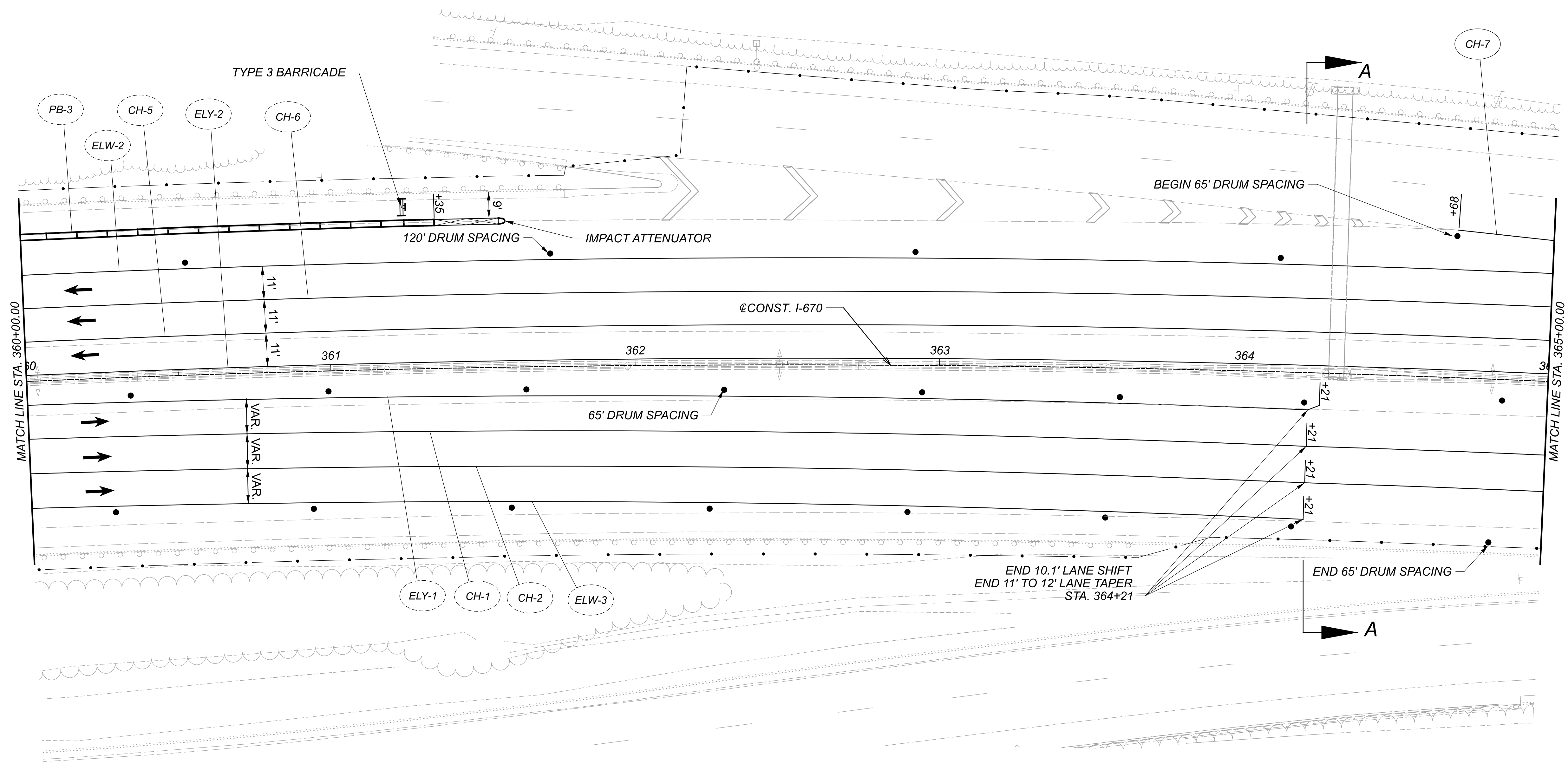
Michael Baker
INTERNATIONAL

DESIGNER
CAH

REVIEWER
KMD 10/31/23

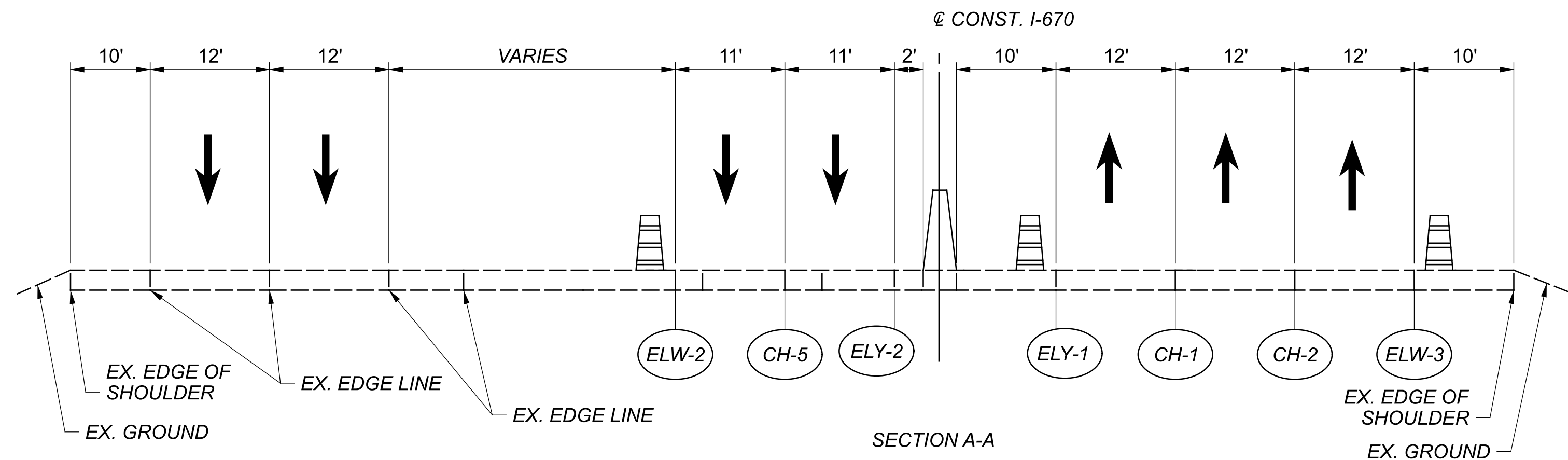
PROJECT ID
111641

SHEET TOTAL
P.49 P.179



MAINTENANCE OF TRAFFIC PHASE THREE
 STA. 360+00 TO STA. 365+00

- LEGEND**
- PORTABLE BARRIER, UNANCHORED
 - AREA TO BE CONSTRUCTED
 - DIRECTION OF TRAFFIC
 - DRUMS
 - IMPACT ATTENUATOR
 - WORK ZONE EDGE LINE, 6"
 - WORK ZONE DOTTED LINE, 6"
 - WORK ZONE CHANNELIZING LINE, 8"
 - BARRIER REFLECTOR/OBJECT MARKER DELINEATION



DESIGN AGENCY

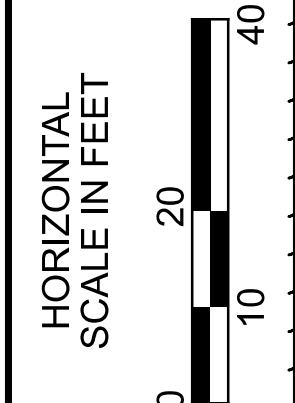
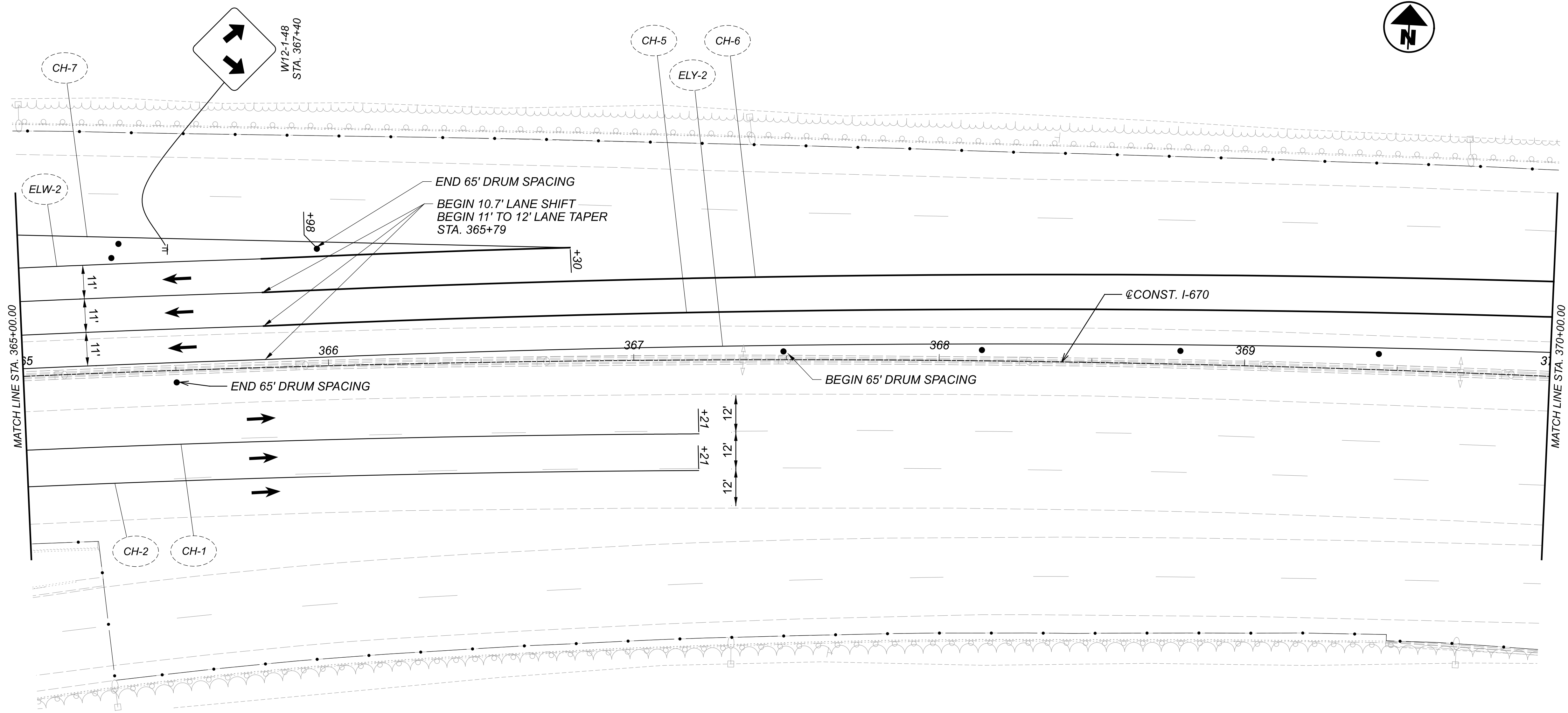
Michael Baker
INTERNATIONAL

DESIGNER
CAH

REVIEWER
KMD 10/31/23

PROJECT ID
111641

SHEET TOTAL
P.50 P.179



MAINTENANCE OF TRAFFIC PHASE THREE
 STA. 365+00 TO STA. 370+00

LEGEND

- | | | | |
|------|------------------------------|------|---|
| (PB) | PORTABLE BARRIER, UNANCHORED | (EL) | WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | (DL) | WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | (CH) | WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | (BR) | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |

DESIGN AGENCY

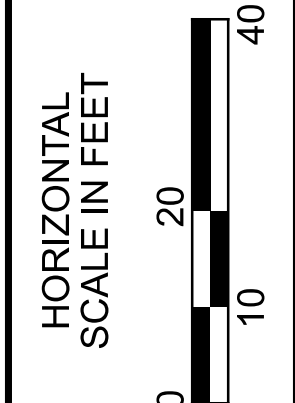
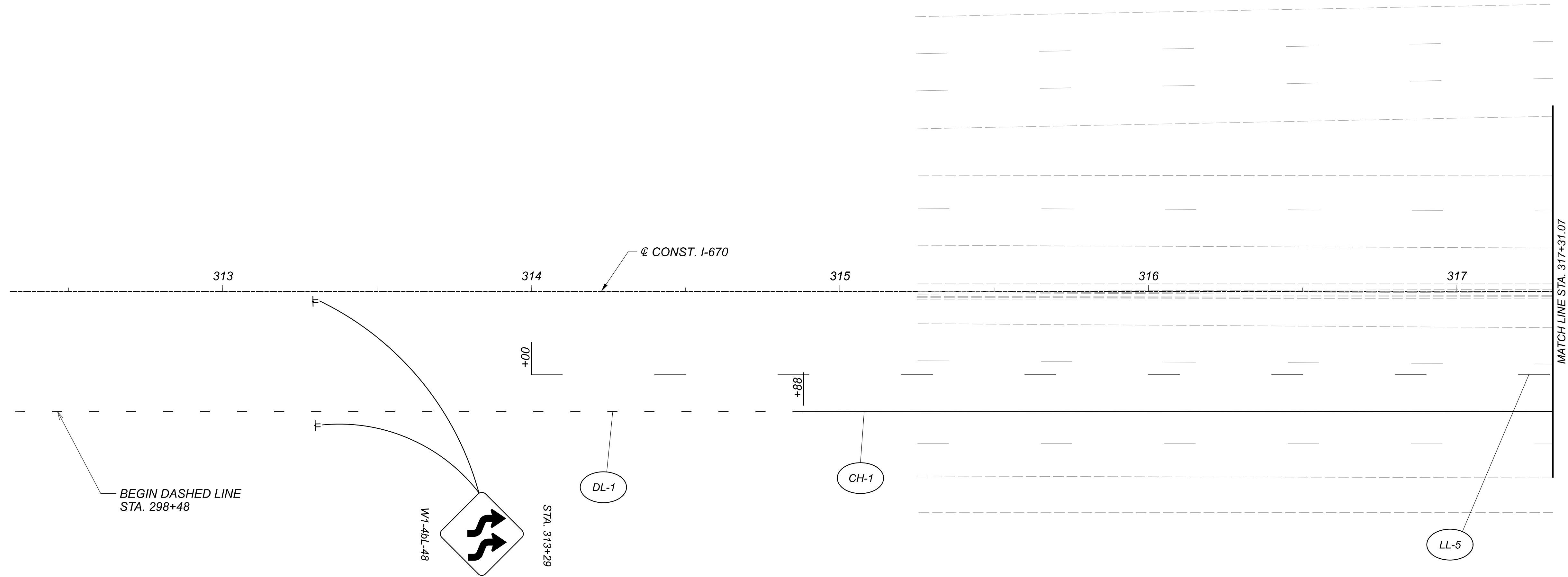
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

SHEET TOTAL
 P.51 P.179



MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 312+31 TO STA. 317+31

LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION

*PLACE ADVANCED SIGNAGE PER ODOT STANDARD PLAN MT-95.40

TYPE A
 WARNING LIGHT

W20-1-24
 STA. 265+00

PCMS
 PLACE NEAR
 STA. 278+00

DISPLAY 1:
 "I-670 E"
 "LEFT"
 "2 LANES"

DISPLAY 2:
 "I-70 E"
 "RIGHT"
 "2 LANES"

R4-9-18
 STA. 298+23

DESIGN AGENCY

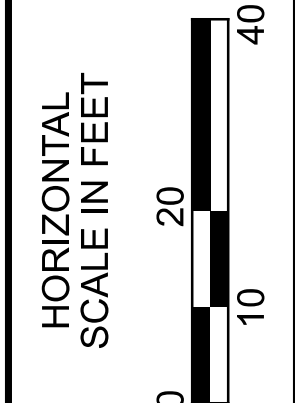
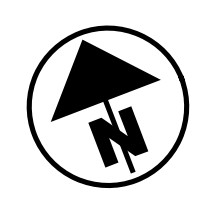
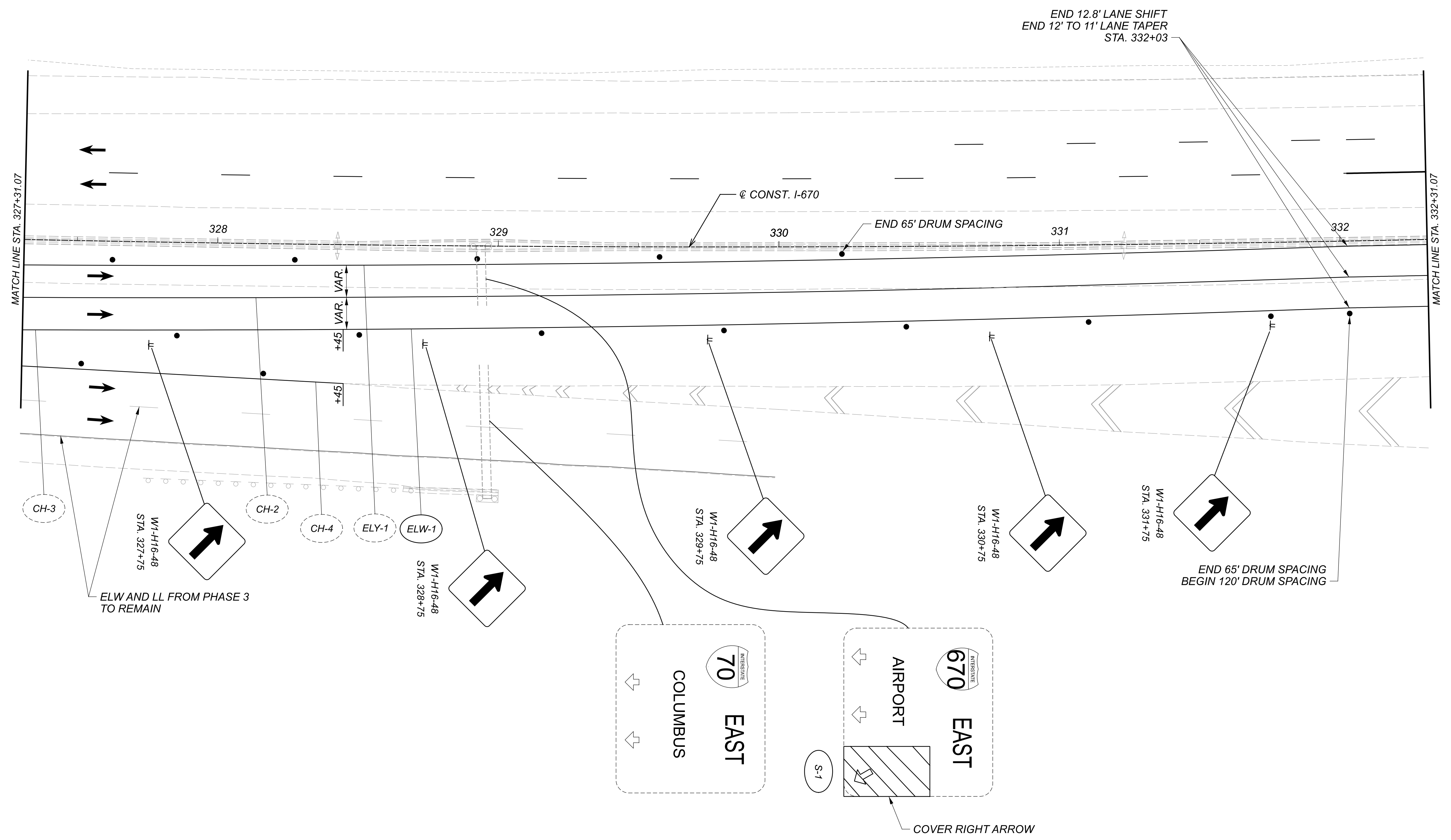
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

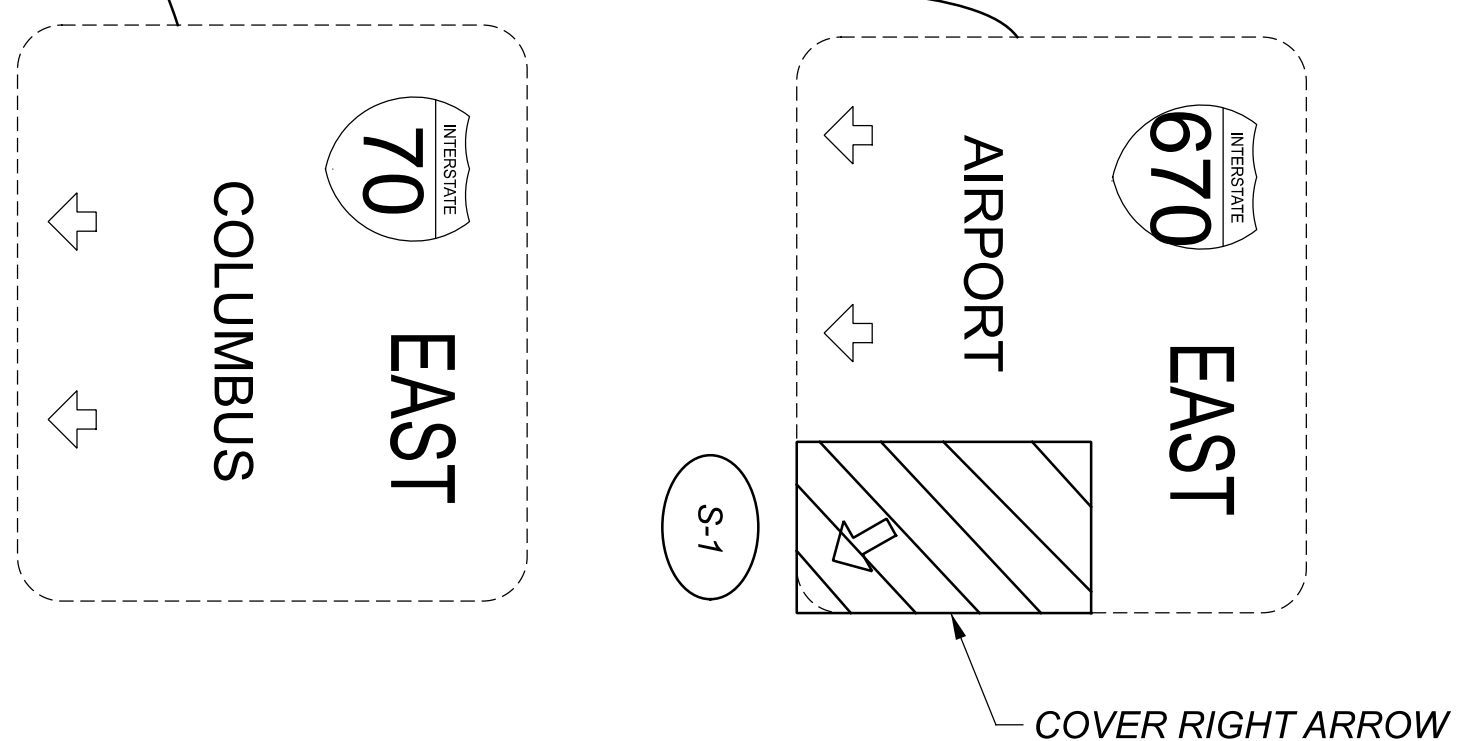
PROJECT ID
 111641

SHEET TOTAL
 P.53 P.179



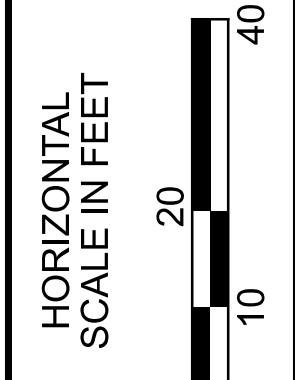
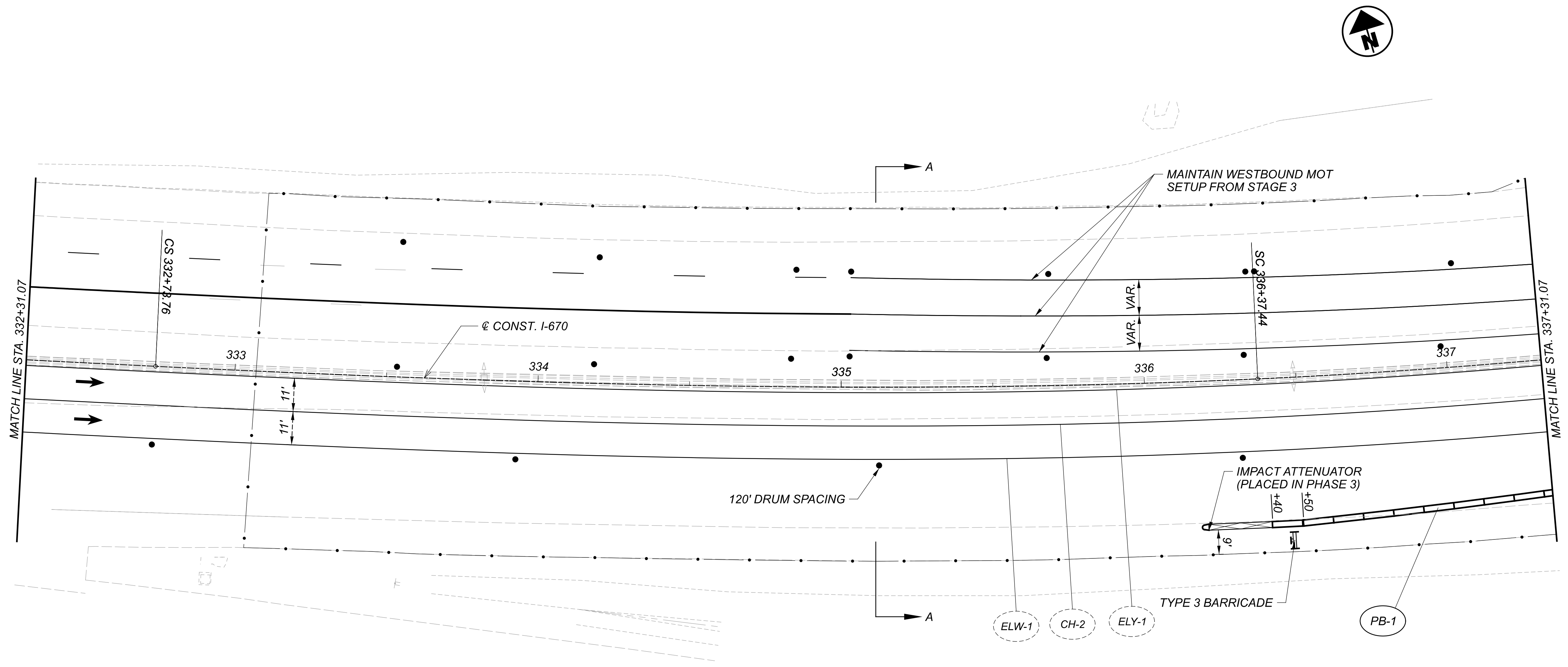
LEGEND

- | | |
|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |



**MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 327+31 TO STA. 332+31**

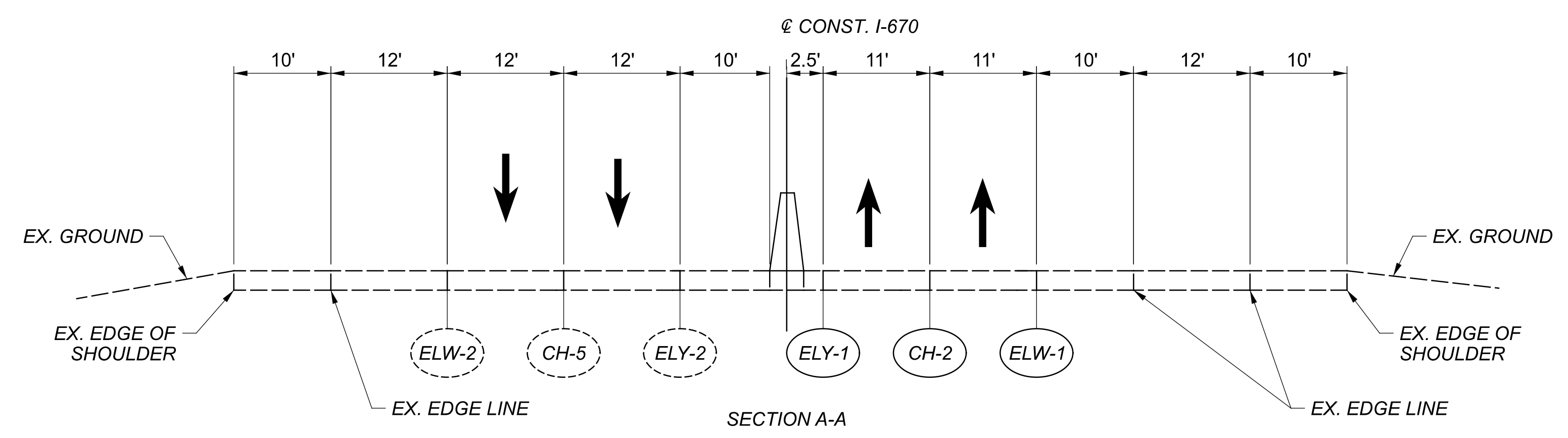
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET TOTAL	P.56 P.179



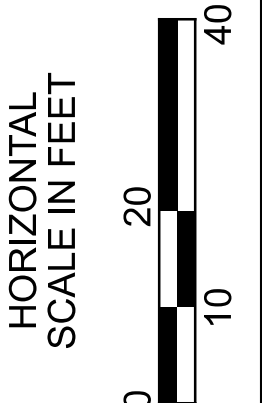
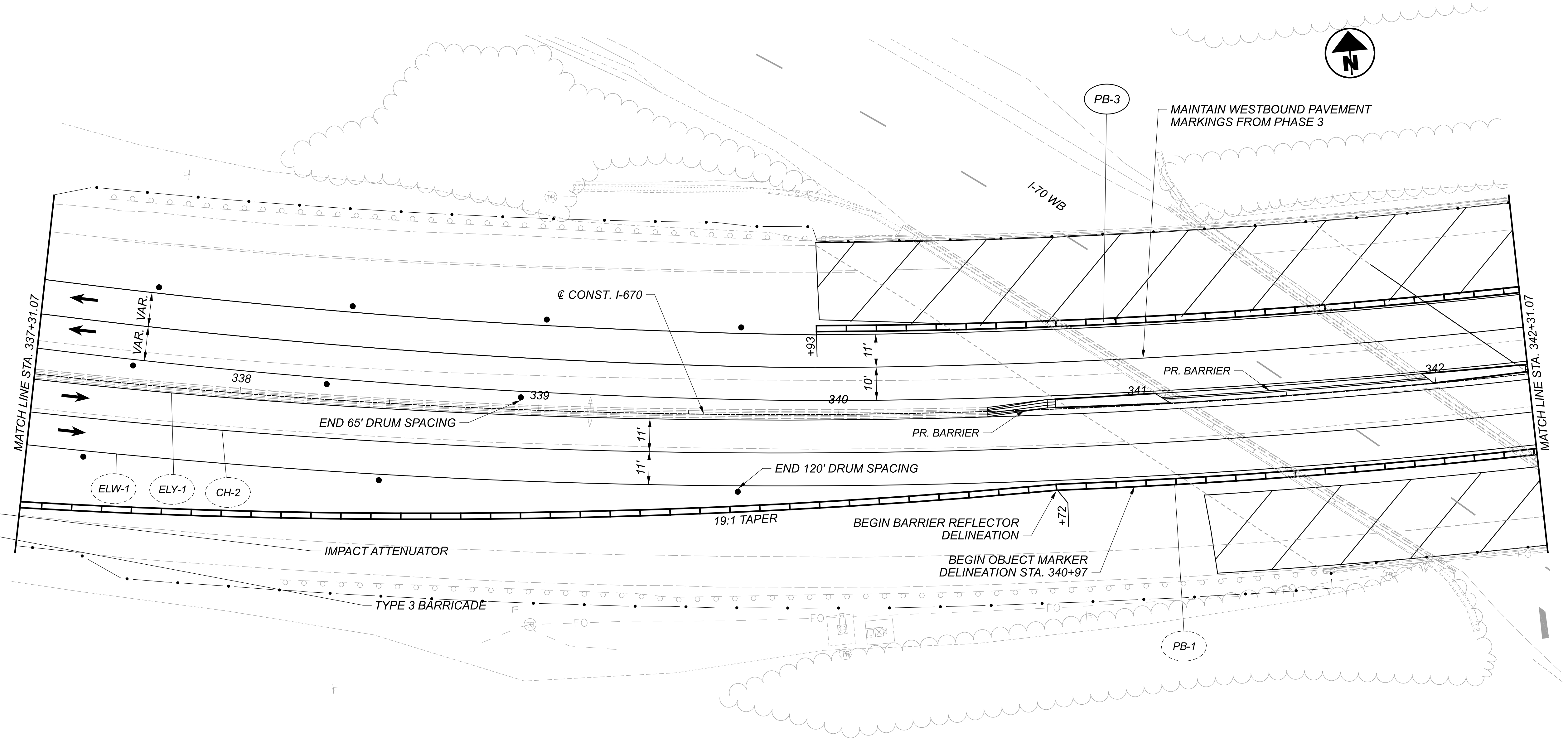
MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 332+31 TO STA. 337+31

LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION



DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.57
TOTAL	P.179

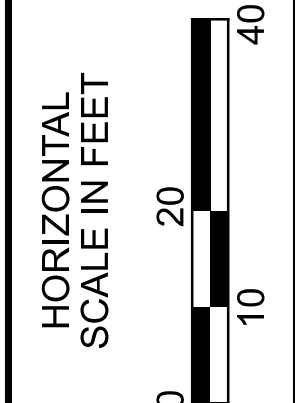
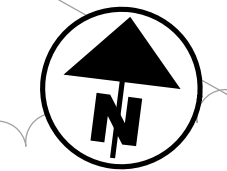
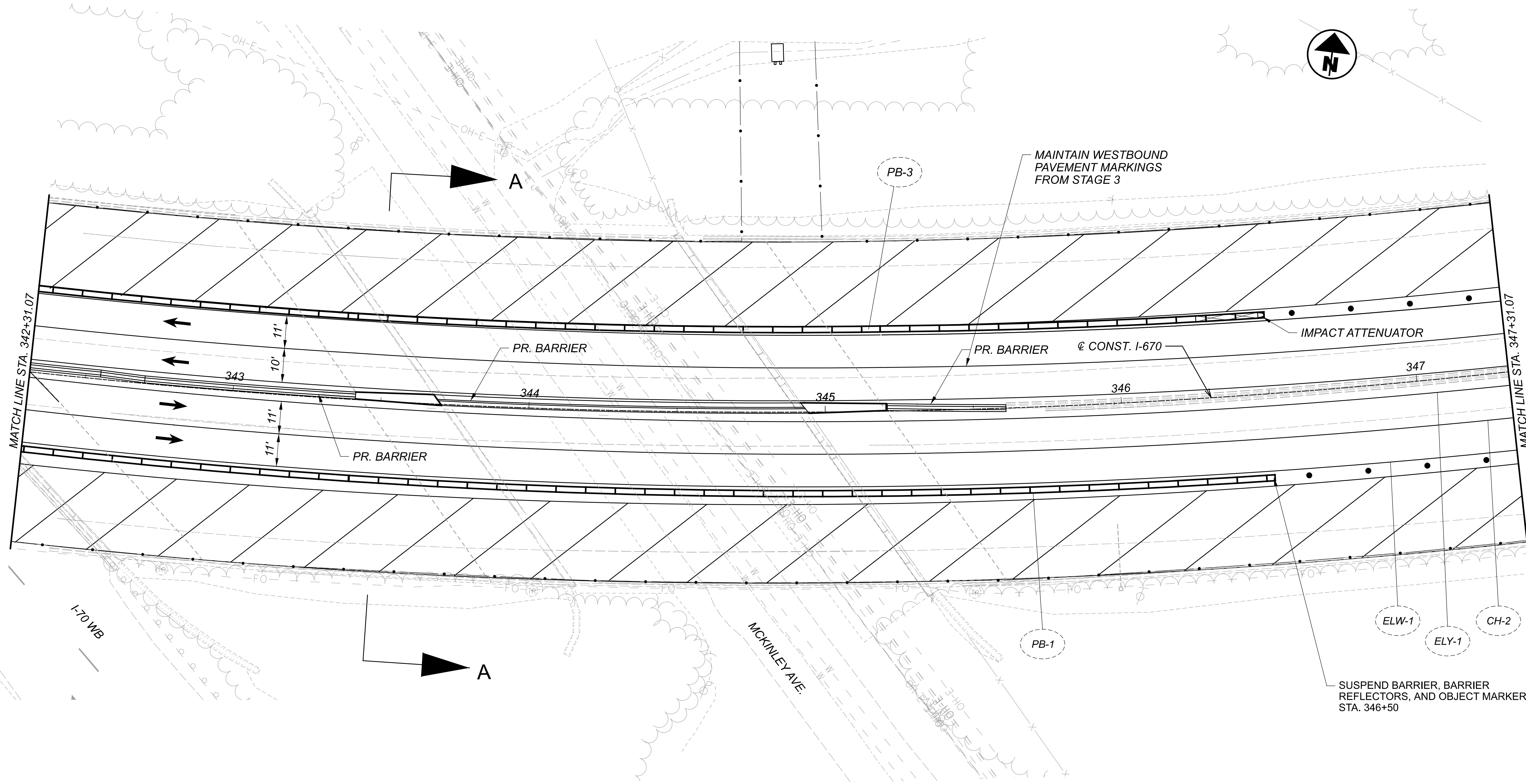


LEGEND

- | | |
|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |

**MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 337+31 TO STA. 342+31**

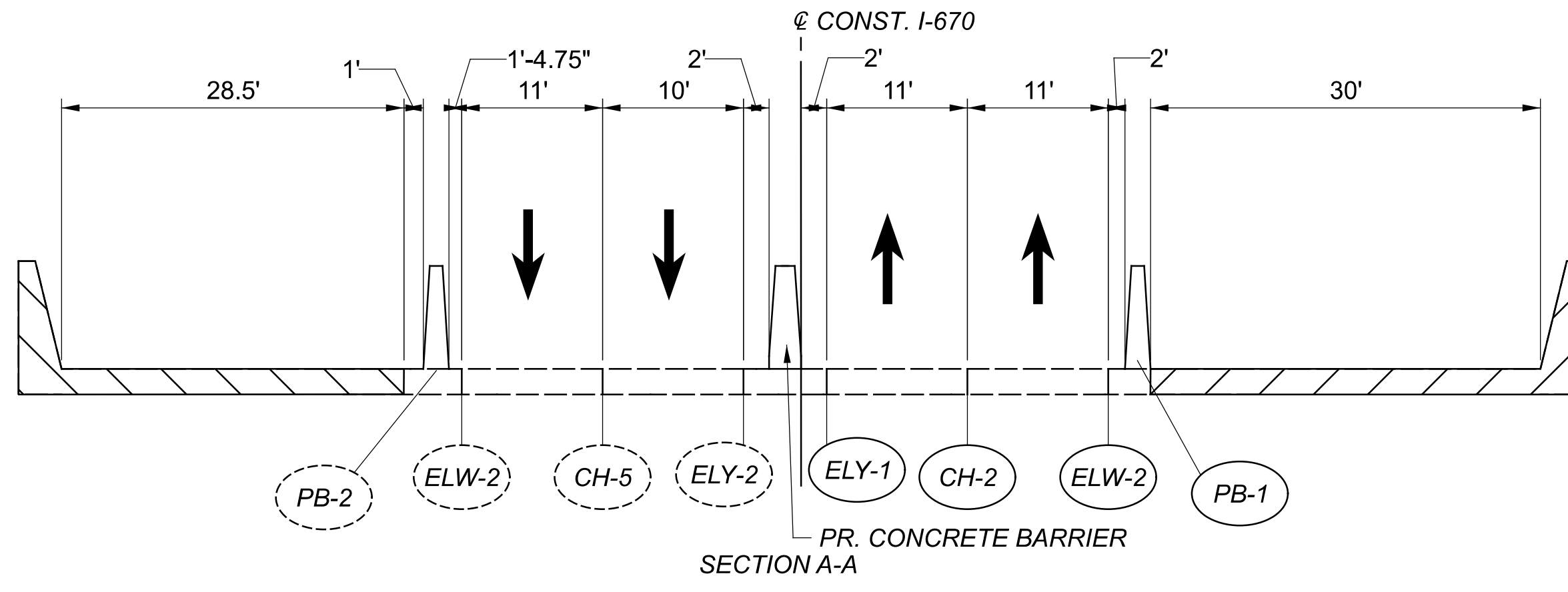
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.58
TOTAL	P.179



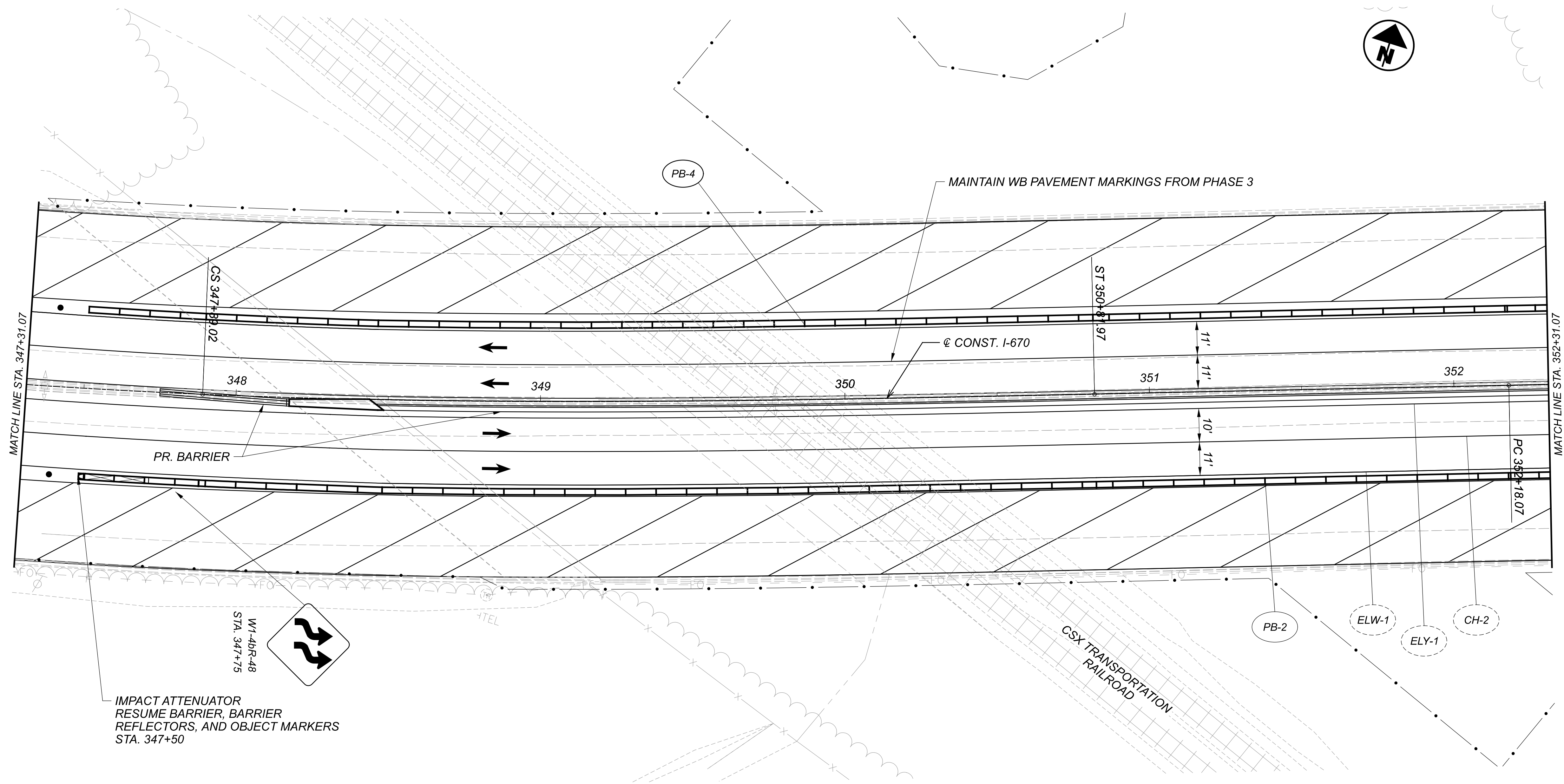
MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 342+31 TO STA. 347+31

LEGEND

- PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- WORK ZONE EDGE LINE, 6"
- WORK ZONE DOTTED LINE, 6"
- WORK ZONE CHANNELIZING LINE, 8"
- BARRIER REFLECTOR/OBJECT MARKER DELINEATION

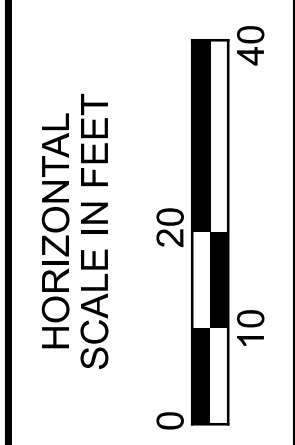


DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET TOTAL	P.59 P.179



LEGEND

- | | |
|------------------------------|---|
| PORTABLE BARRIER, UNANCHORED | WORK ZONE EDGE LINE, 6" |
| AREA TO BE CONSTRUCTED | WORK ZONE DOTTED LINE, 6" |
| DIRECTION OF TRAFFIC | WORK ZONE CHANNELIZING LINE, 8" |
| DRUMS | BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| IMPACT ATTENUATOR | |



**MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 347+31 TO STA. 352+31**

DESIGN AGENCY

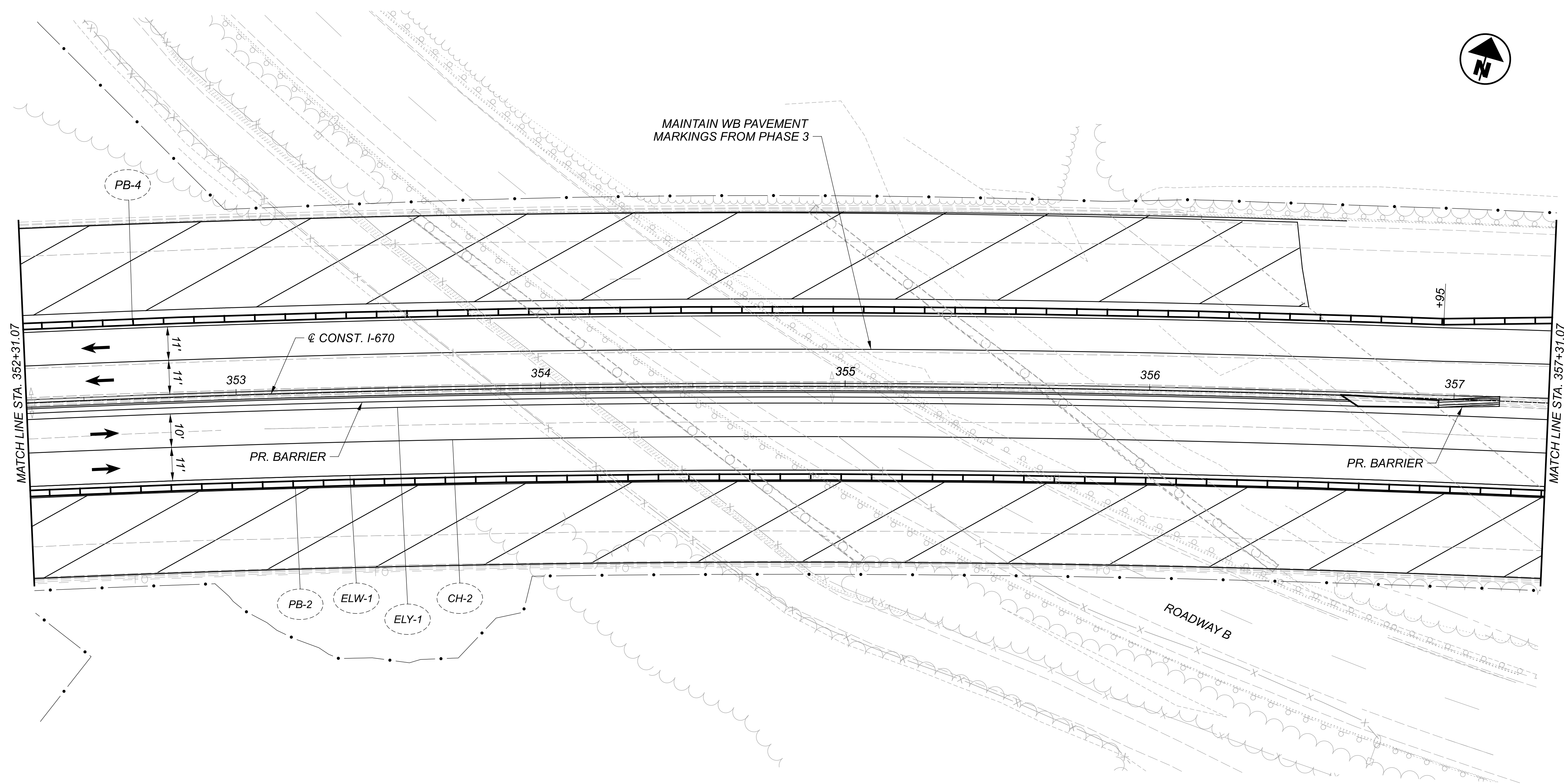
**Michael Baker
 INTERNATIONAL**

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

SHEET TOTAL
 P.60 P.179



LEGEND

- | | | | |
|--|---------------------------------|--|--|
| | PB PORTABLE BARRIER, UNANCHORED | | EL WORK ZONE EDGE LINE, 6" |
| | AREA TO BE CONSTRUCTED | | DL WORK ZONE DOTTED LINE, 6" |
| | DIRECTION OF TRAFFIC | | CH WORK ZONE CHANNELIZING LINE, 8" |
| | DRUMS | | BR BARRIER REFLECTOR/OBJECT MARKER DELINEATION |
| | IMPACT ATTENUATOR | | |

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

CAH

REVIEWER

KMD 10/31/23

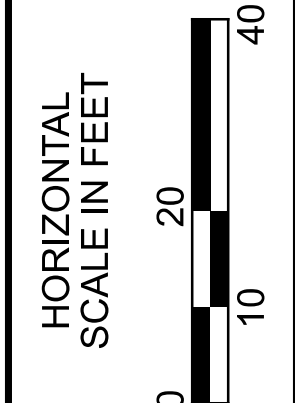
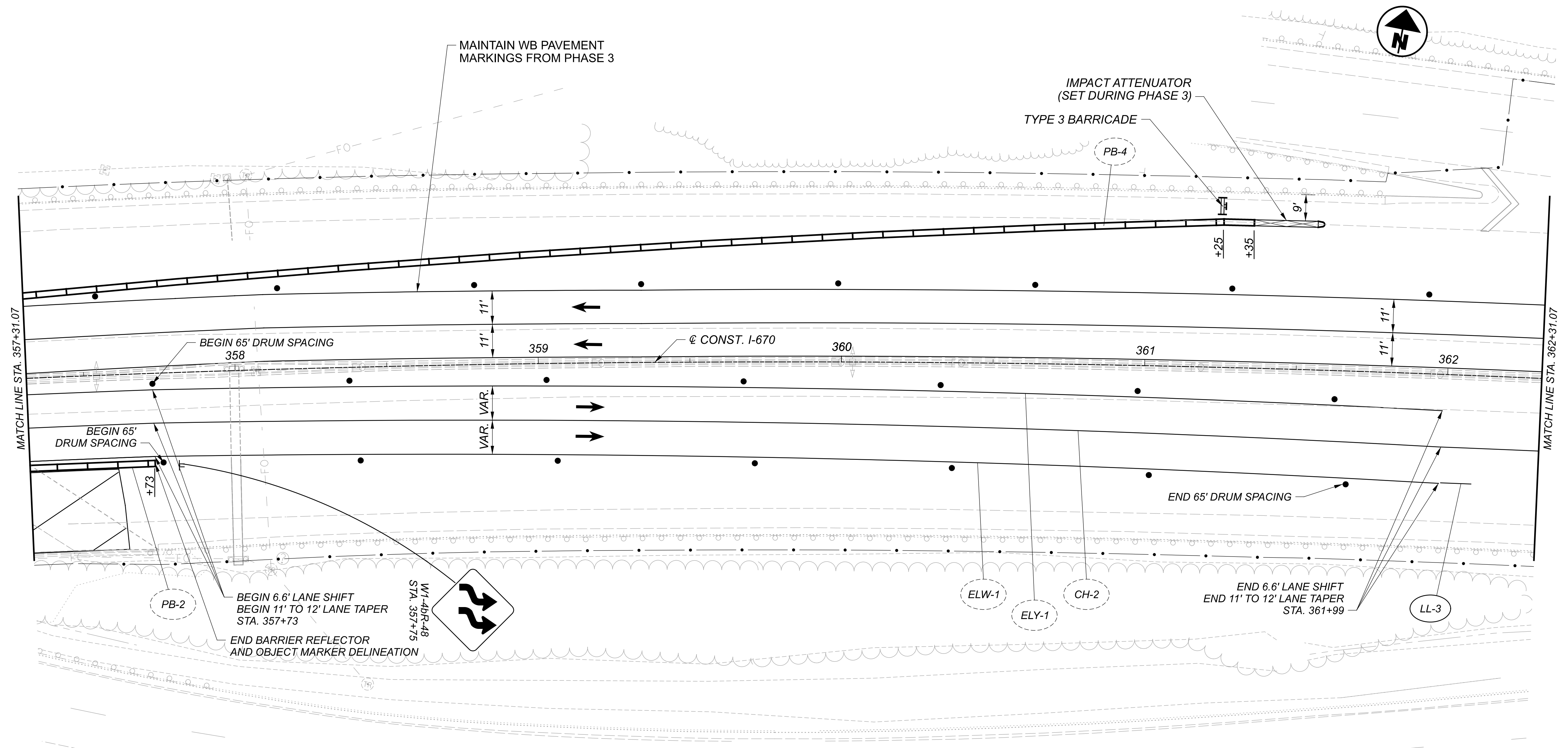
PROJECT ID

111641

SHEET TOTAL

P.61 P.179

MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 352+31 TO STA. 357+31



MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 357+31 TO STA. 362+31

LEGEND

- PB PORTABLE BARRIER, UNANCHORED
- AREA TO BE CONSTRUCTED
- DIRECTION OF TRAFFIC
- DRUMS
- IMPACT ATTENUATOR
- EL WORK ZONE EDGE LINE, 6"
- DL WORK ZONE DOTTED LINE, 6"
- CH WORK ZONE CHANNELIZING LINE, 8"
- BR BARRIER REFLECTOR/OBJECT MARKER DELINEATION

DESIGN AGENCY

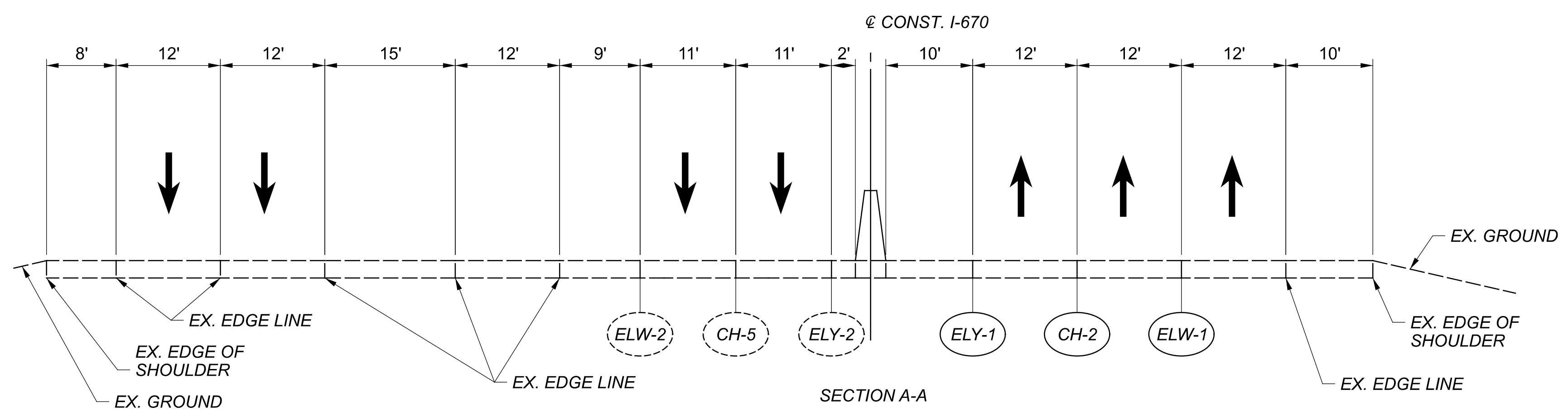
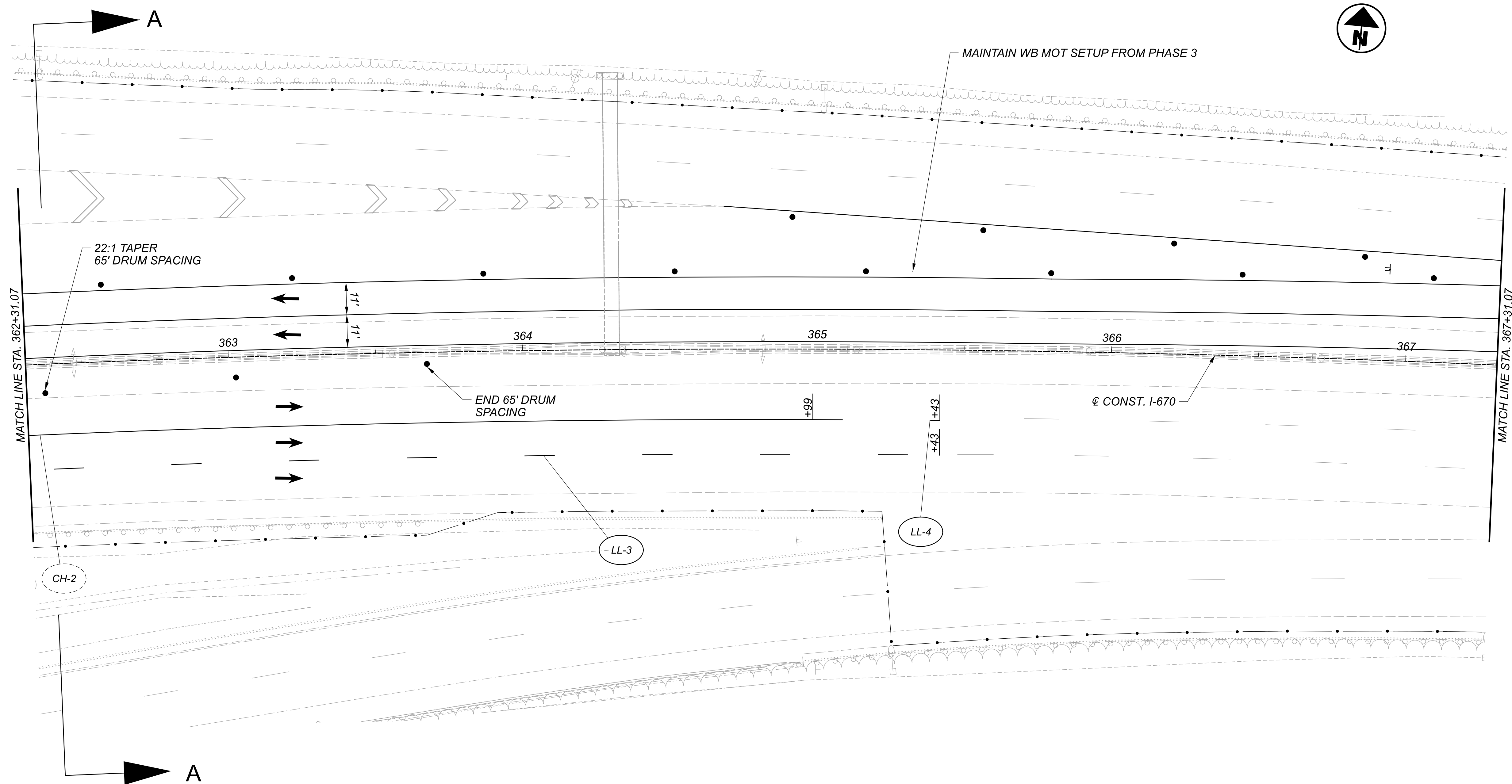
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

REVIEWER
 KMD 10/31/23

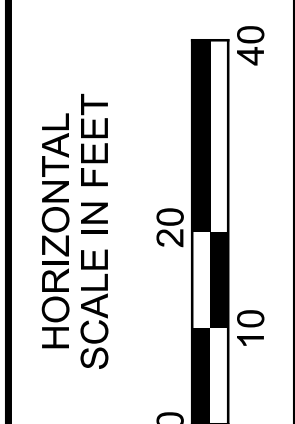
PROJECT ID
 111641

SHEET TOTAL
 P.62 P.179



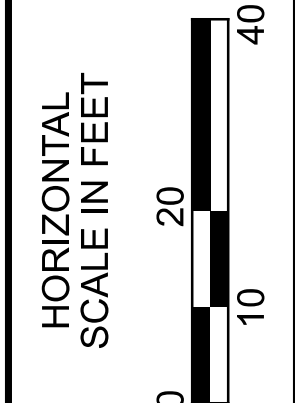
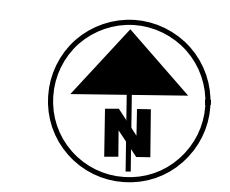
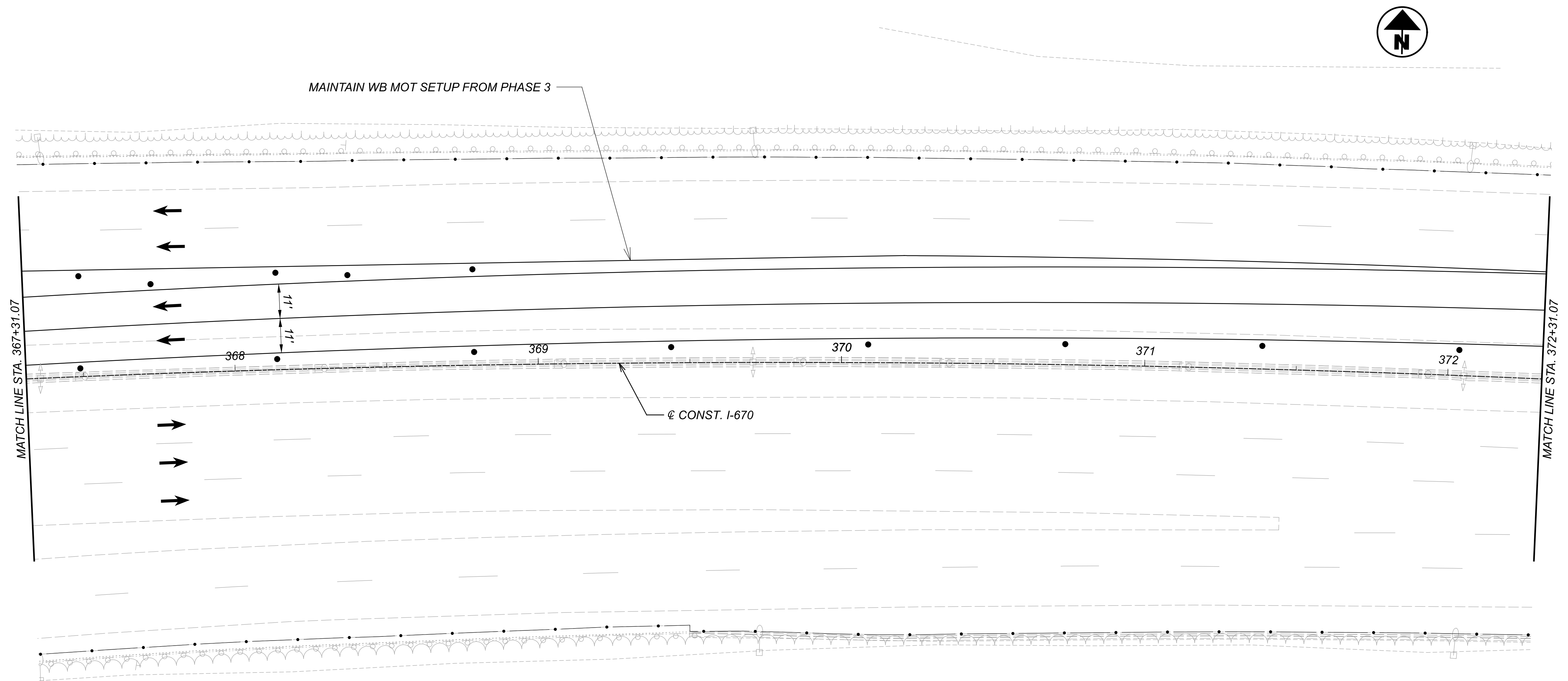
LEGEND

	PORTABLE BARRIER, UNANCHORED		WORK ZONE EDGE LINE, 6"
	AREA TO BE CONSTRUCTED		WORK ZONE DOTTED LINE, 6"
	DIRECTION OF TRAFFIC		WORK ZONE CHANNELIZING LINE, 8"
	DRUMS		BARRIER REFLECTOR/OBJECT MARKER DELINEATION
	IMPACT ATTENUATOR		



MAINTENANCE OF TRAFFIC PHASE FOUR
STA. 362+31 TO STA. 367+31

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	P.63
TOTAL	P.179



MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 367+31 TO STA. 372+31

LEGEND

- (PB) PORTABLE BARRIER, UNANCHORED
- (EL) WORK ZONE EDGE LINE, 6"
- AREA TO BE CONSTRUCTED
- (DL) WORK ZONE DOTTED LINE, 6"
- DIRECTION OF TRAFFIC
- (CH) WORK ZONE CHANNELIZING LINE, 8"
- DRUMS
- (BR) BARRIER REFLECTOR/OBJECT MARKER DELINEATION
- IMPACT ATTENUATOR

DESIGN AGENCY

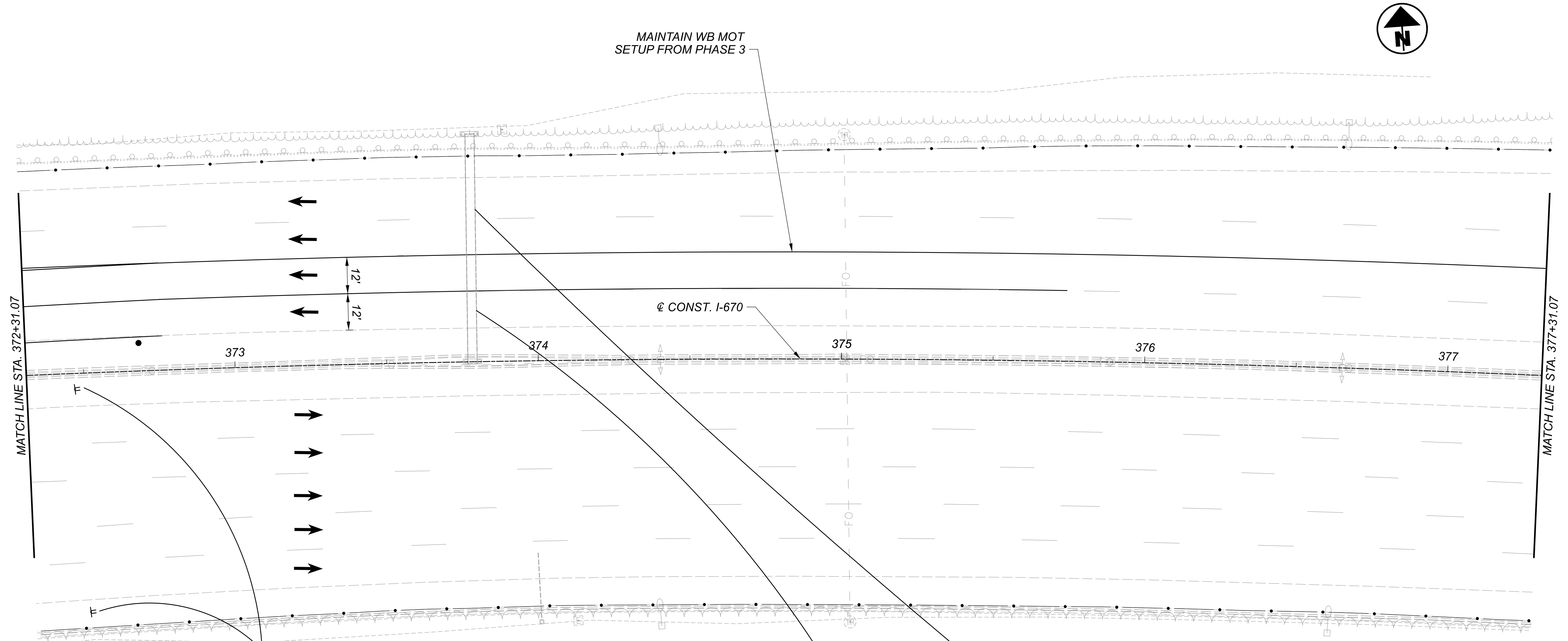
Michael Baker
 INTERNATIONAL

DESIGNER
 CAH

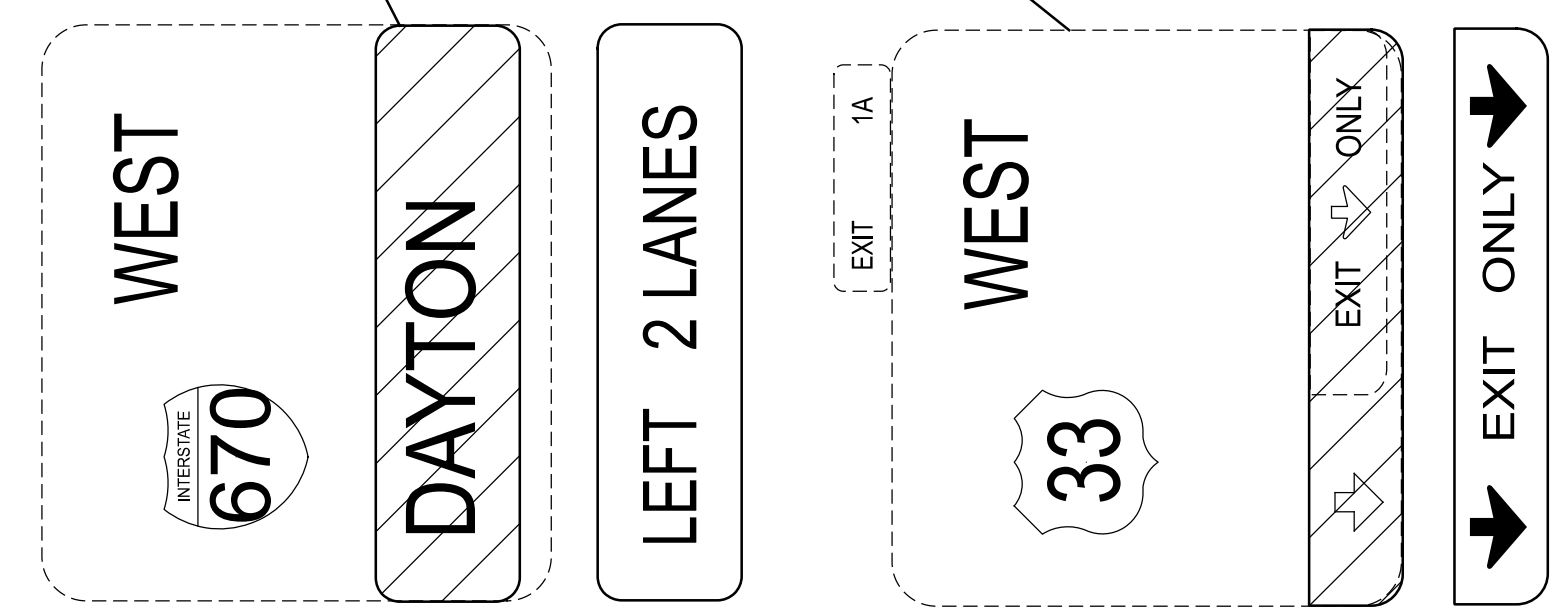
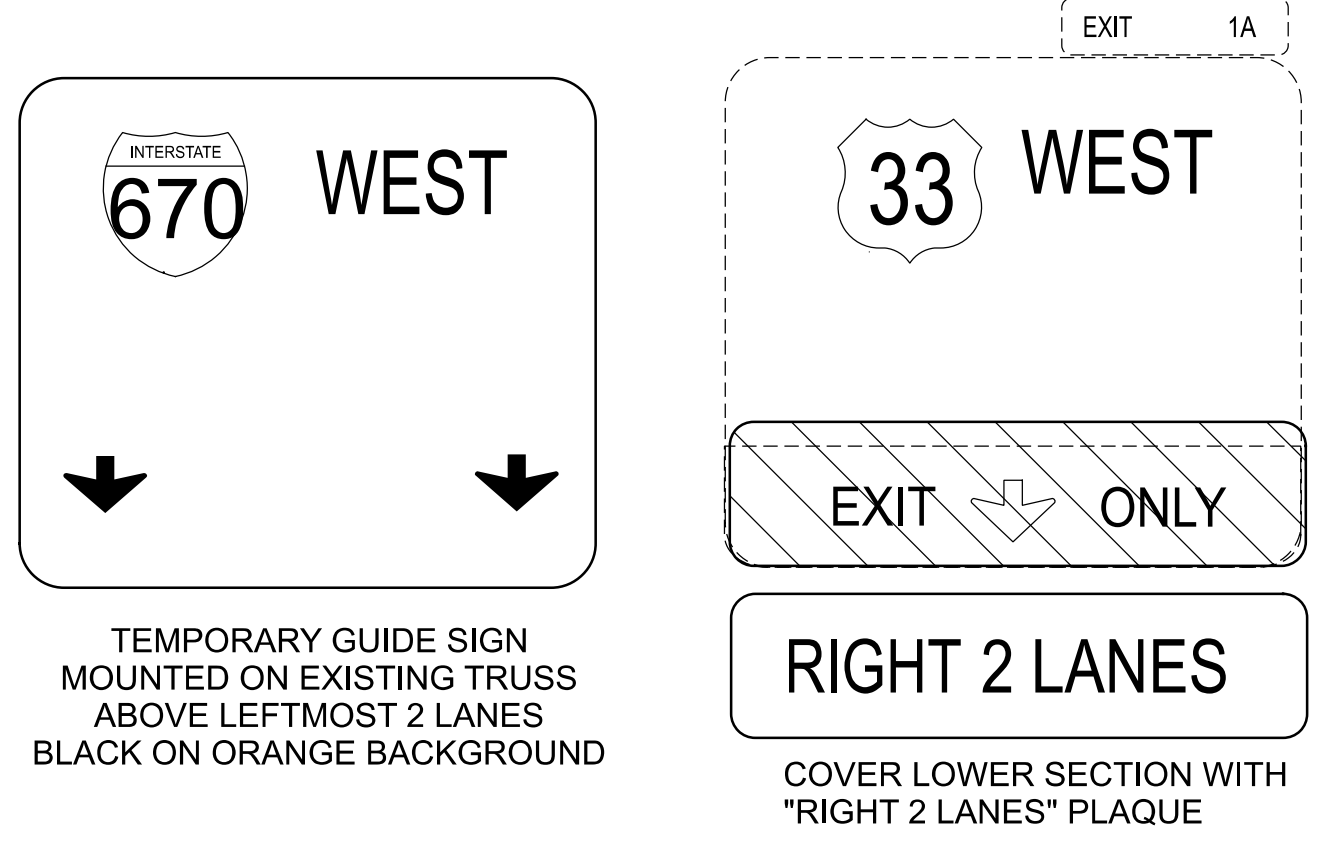
REVIEWER
 KMD 10/31/23

PROJECT ID
 111641

SHEET TOTAL
 P.64 P.179

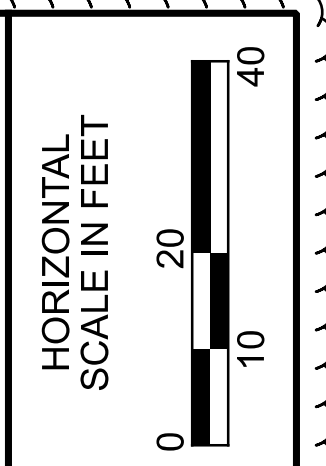


MAINTAIN WB MOT OVERHEAD SIGN MODIFICATIONS FROM PHASE 3:
 OVERHEAD SIGNS
 AT APPROX. STA. 406+30



MAINTAIN WB MOT OVERHEAD SIGN MODIFICATIONS FROM PHASE 3

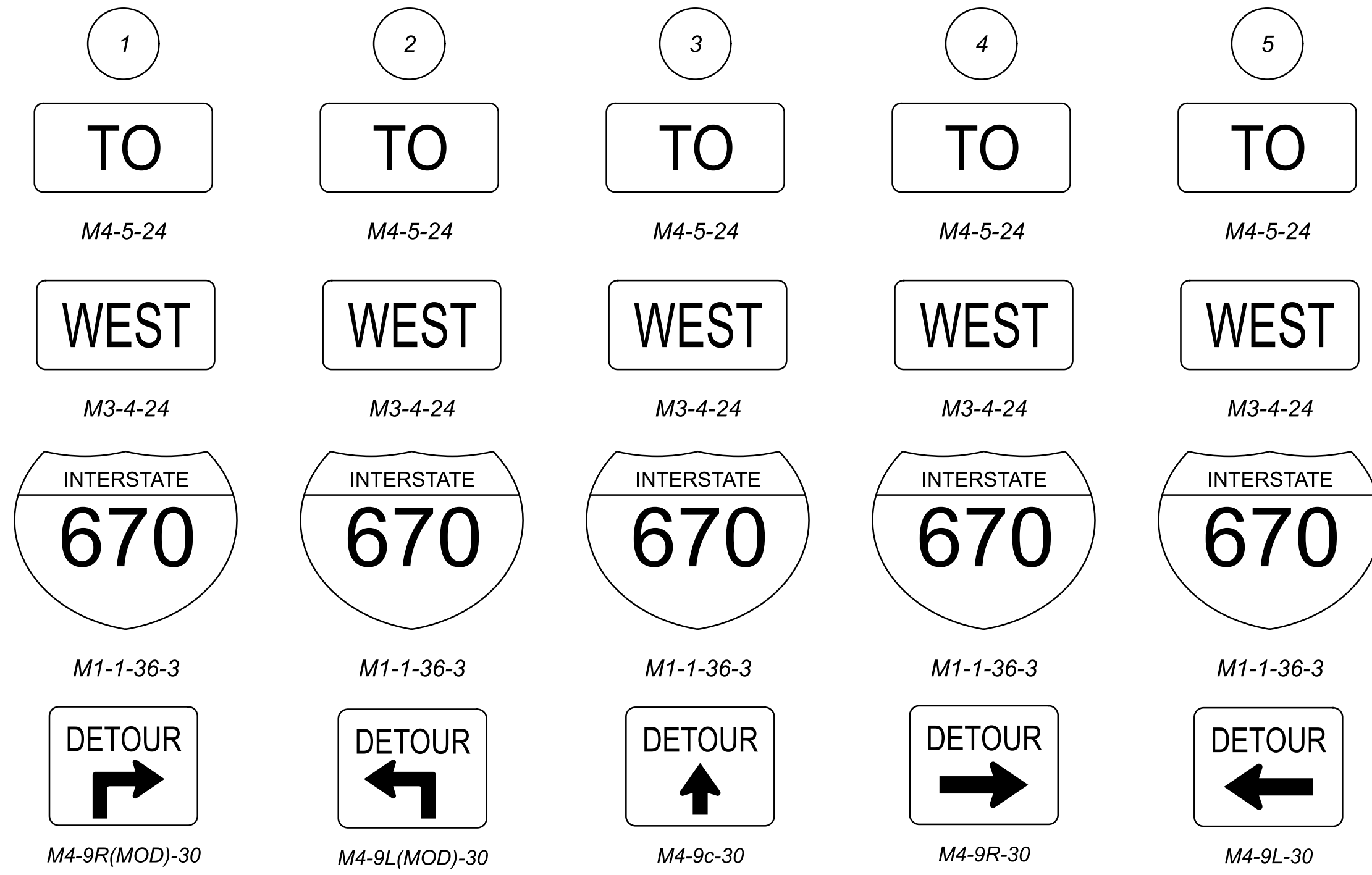
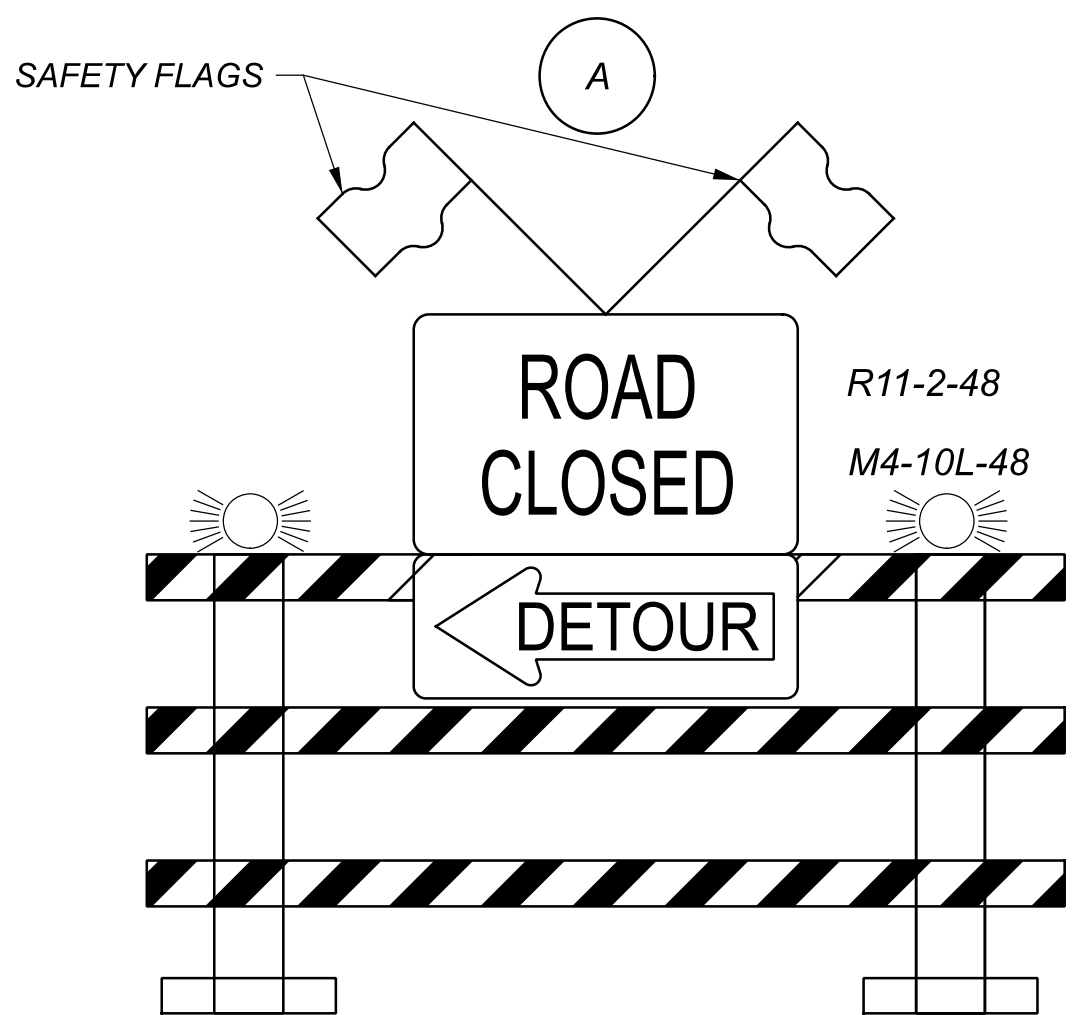
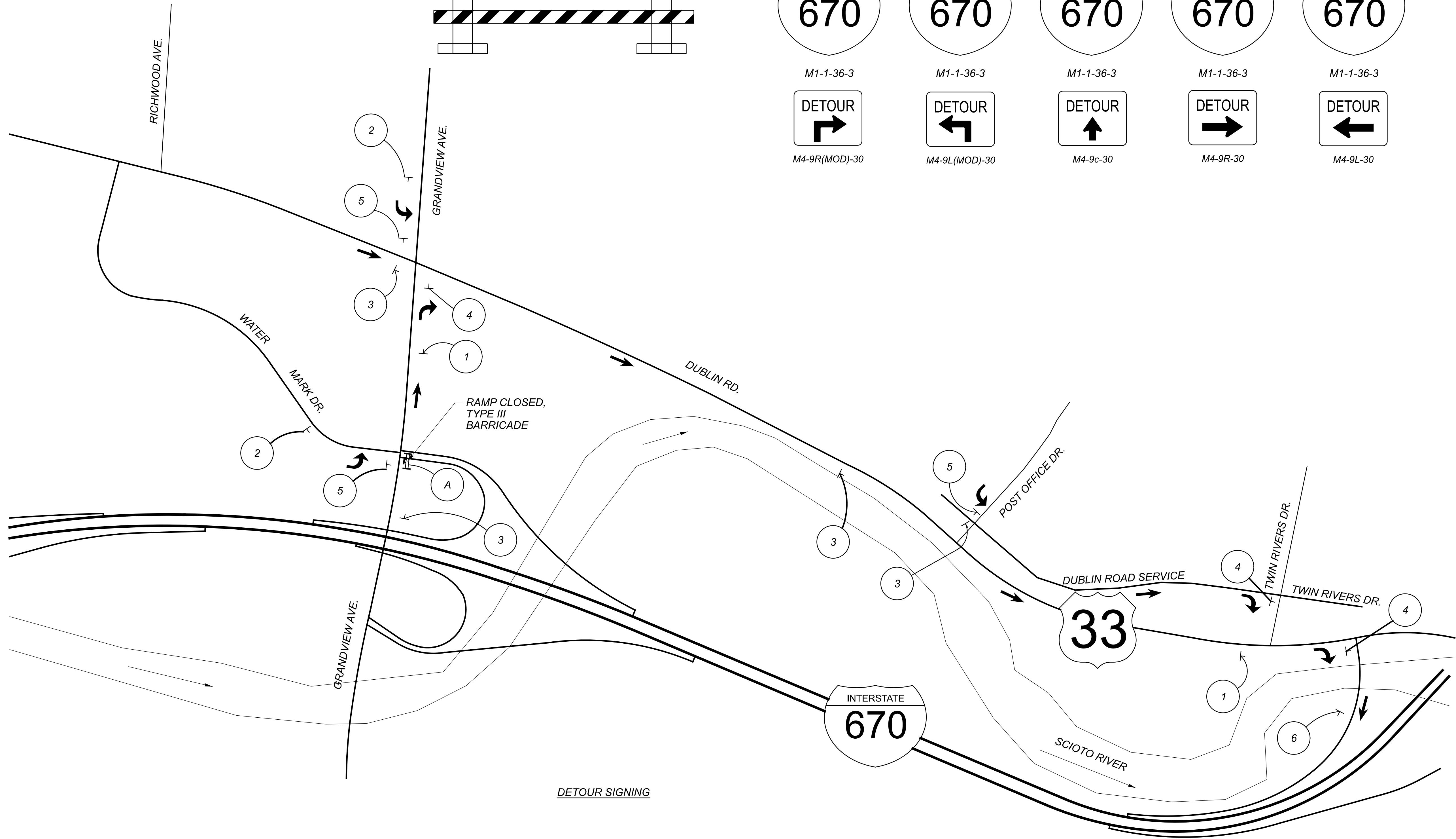
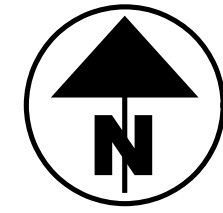
- LEGEND**
- PORTABLE BARRIER, UNANCHORED
 - AREA TO BE CONSTRUCTED
 - DIRECTION OF TRAFFIC
 - DRUMS
 - IMPACT ATTENUATOR
 - WORK ZONE EDGE LINE, 6"
 - WORK ZONE DOTTED LINE, 6"
 - WORK ZONE CHANNELIZING LINE, 8"
 - BARRIER REFLECTOR/OBJECT MARKER DELINEATION



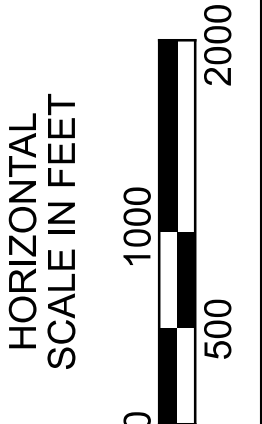
MAINTENANCE OF TRAFFIC PHASE FOUR
 STA. 372+31 TO STA. 377+31

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	CAH
REVIEWER	KMD 10/31/23
PROJECT ID	111641
SHEET	TOTAL
P.65	P.179

FOR MAINTENANCE OF TRAFFIC NOTES, SEE SHEET P.8
THIS IS TO BE USED ONLY DURING PHASES 2 AND 4



DETOUR SIGNING



MAINTENANCE OF TRAFFIC
GRANDVIEW AVE. ENTRANCE RAMP DETOUR

DESIGN AGENCY

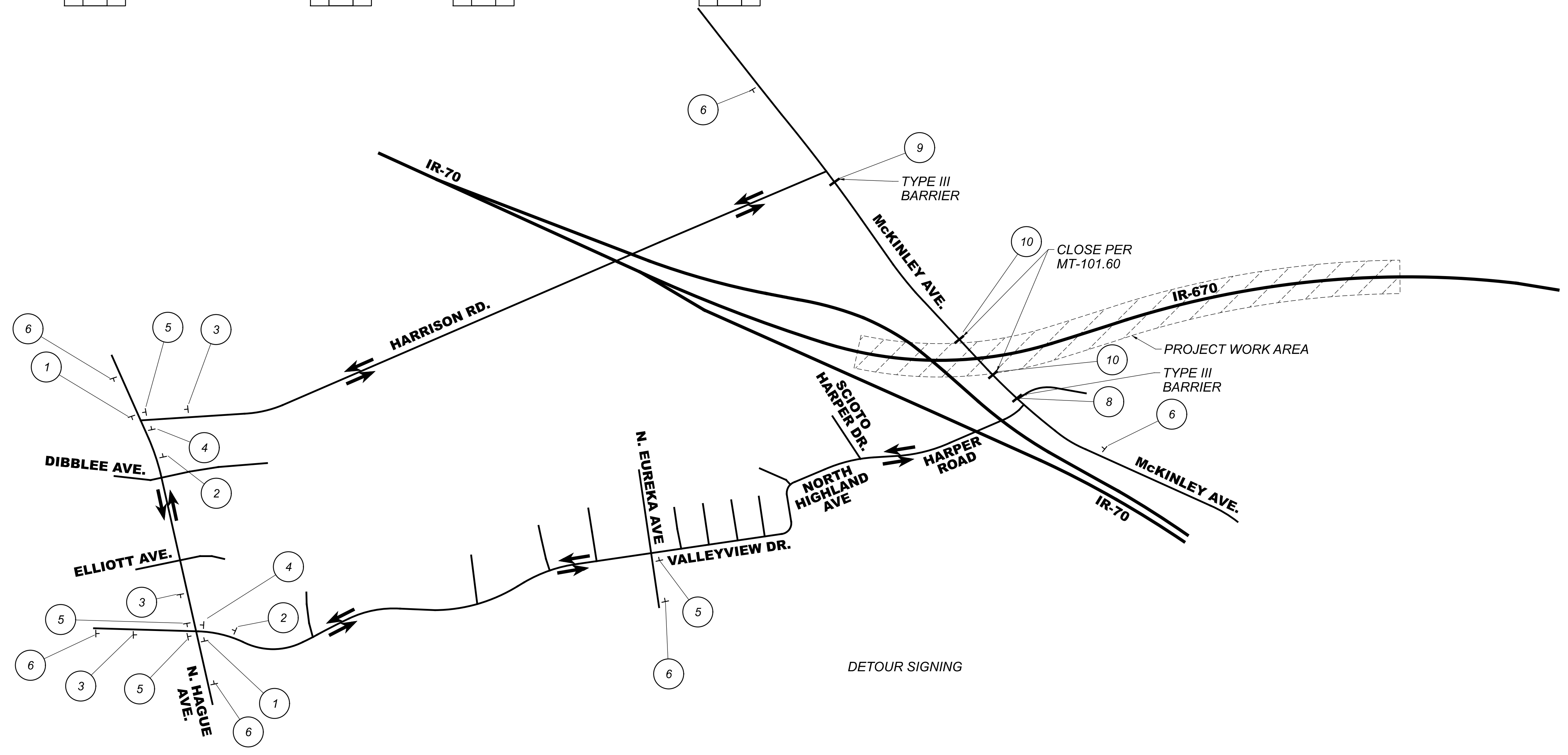
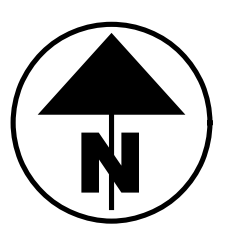
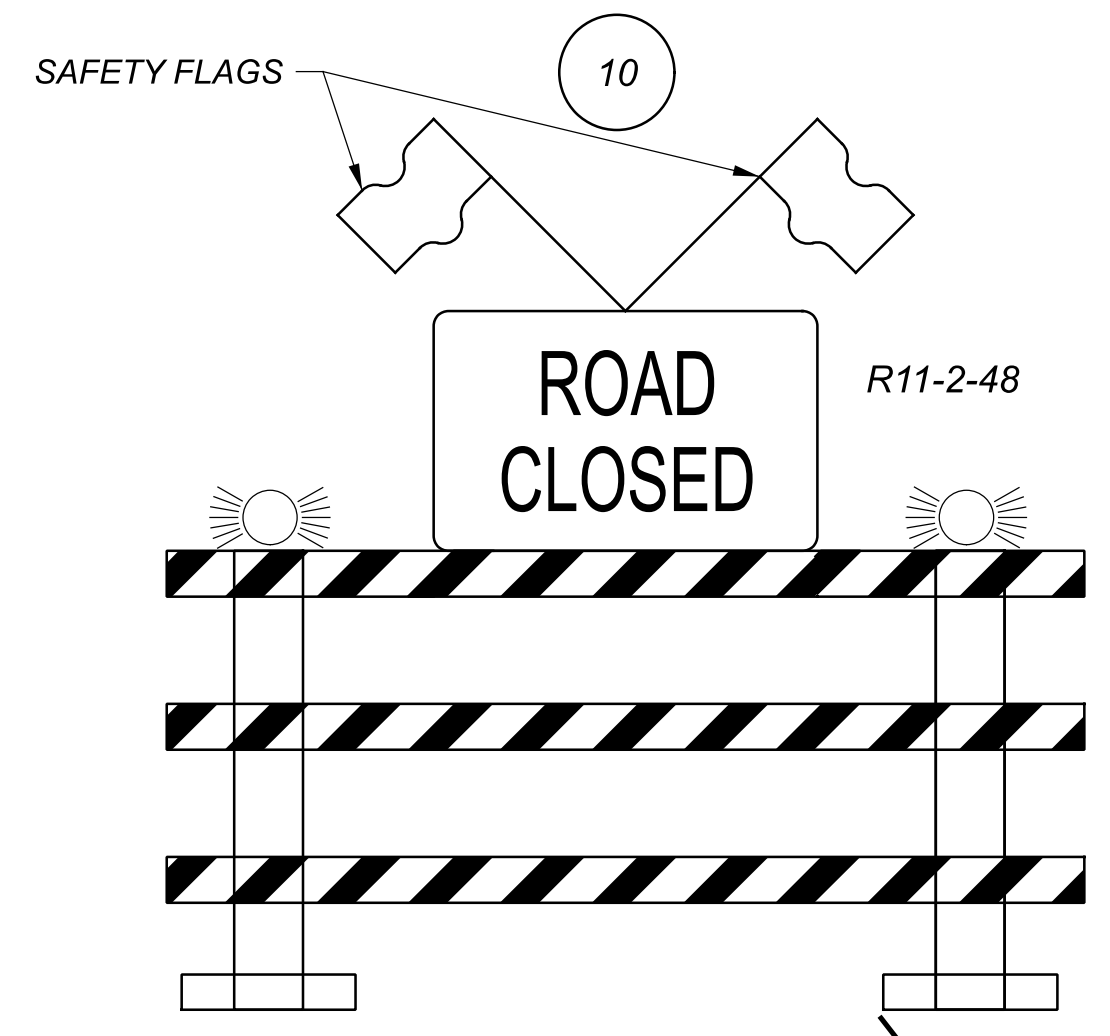
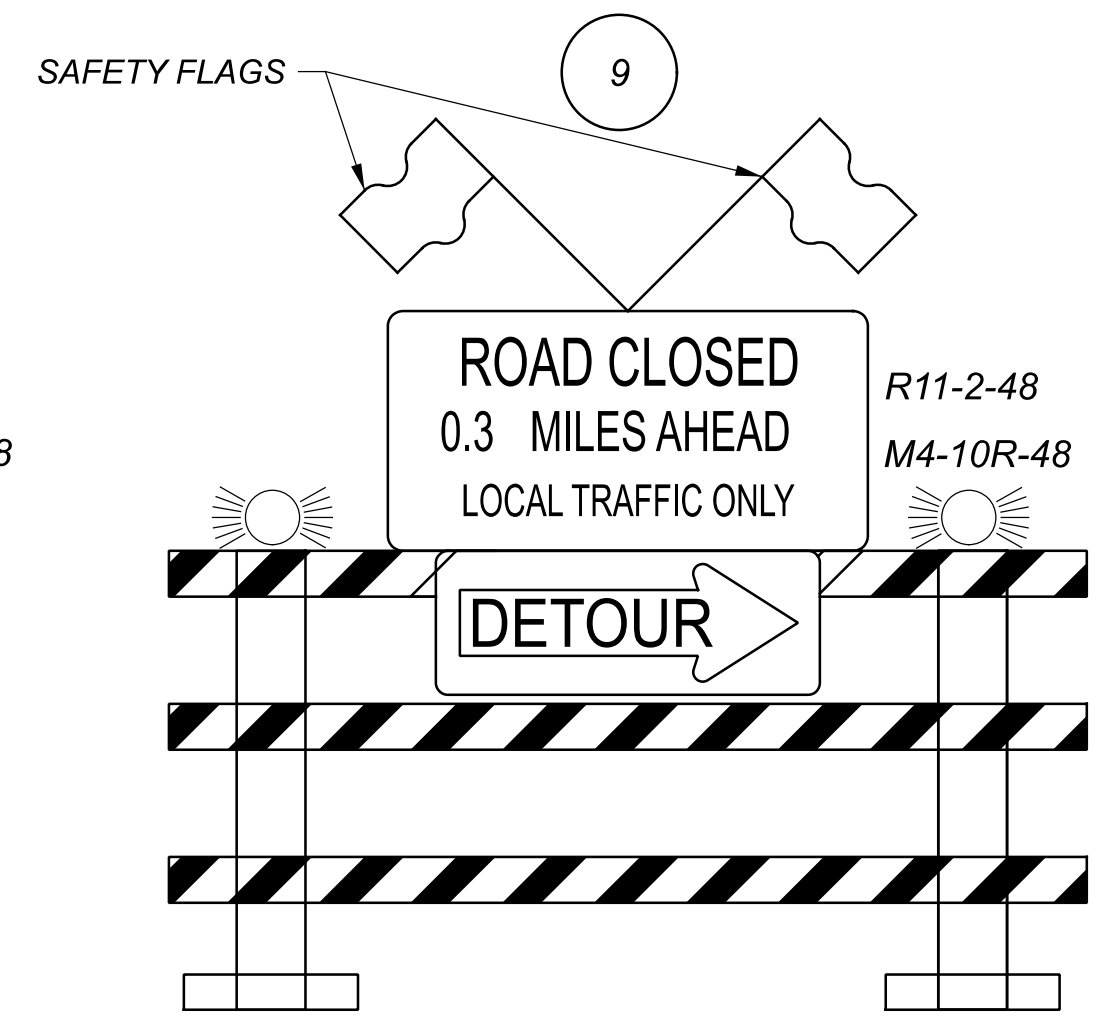
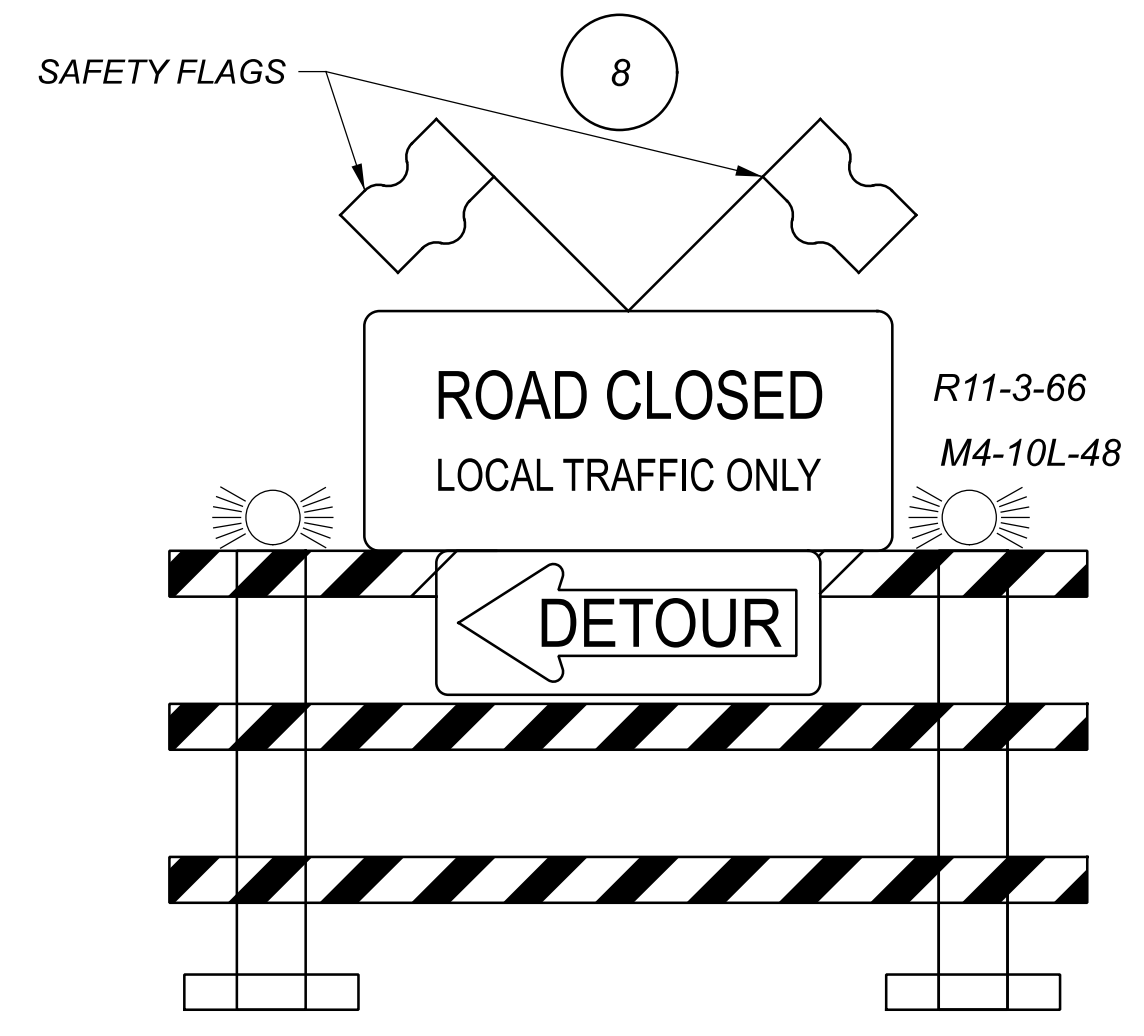
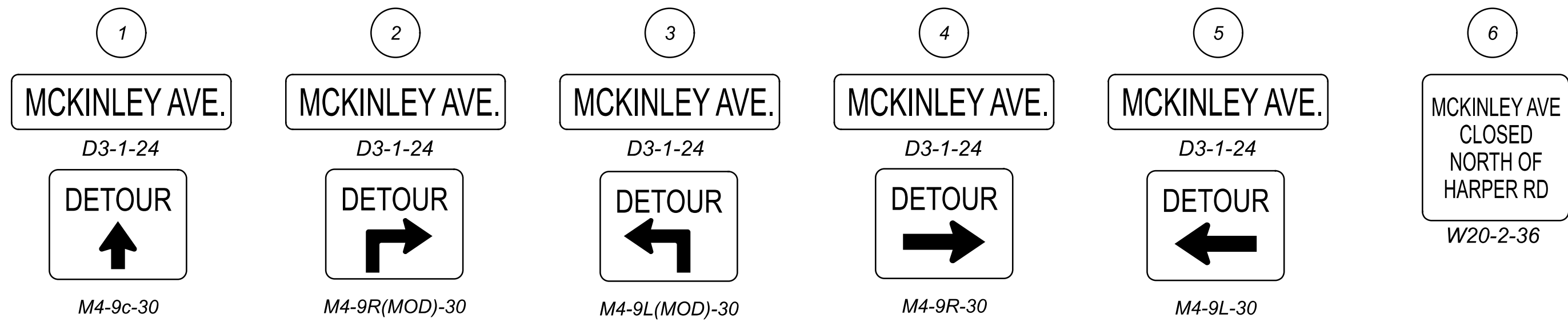
Michael Baker INTERNATIONAL

DESIGNER
JTS

REVIEWER
KMD 10/31/23

PROJECT ID
111641

SHEET TOTAL
P.68 P.179



DETOUR SIGNING

THIS IS TO BE USED ONLY DURING PHASES 1A, 2A, AND 4A

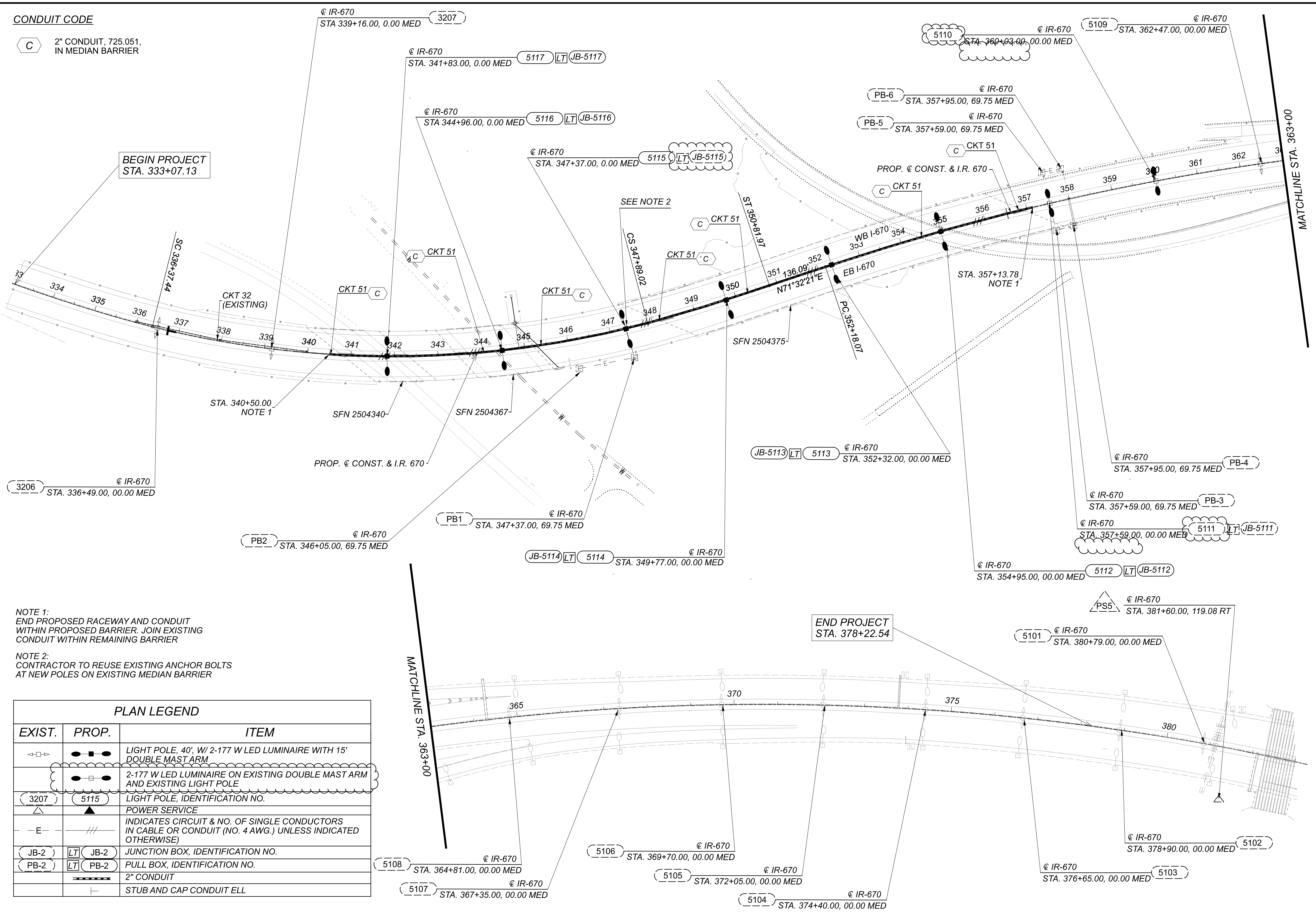
MAINTENANCE OF TRAFFIC
MCKINLEY AVE. DETOUR PLAN

DESIGN AGENCY
Michael Baker INTERNATIONAL
DESIGNER
JTS
REVIEWER
KMD 10/31/23
PROJECT ID
111641
SHEET TOTAL
P.69 P.179

MODEL: Sheet PAPER: 34x22 (in.) DATE: 6/25/2024 TIME: 16:13 PM USER: Steven.Demor
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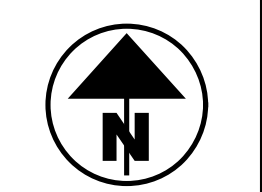
CONDUIT CODE

C 2" CONDUIT, 725.051,
IN MEDIAN BARRIER



BEGIN PROJECT
STA. 333+07.13

END PROJECT
STA. 378+22.54



LIGHTING PLAN

NOTE 1:
END PROPOSED RACEWAY AND CONDUIT
WITHIN PROPOSED BARRIER. JOIN EXISTING
CONDUIT WITHIN REMAINING BARRIER

NOTE 2:
CONTRACTOR TO REUSE EXISTING ANCHOR BOLTS
AT NEW POLES ON EXISTING MEDIAN BARRIER

PLAN LEGEND		
EXIST.	PROP.	ITEM
		LIGHT POLE, 40', W/ 2-177 W LED LUMINAIRE WITH 15' DOUBLE MAST ARM
		2-177 W LED LUMINAIRE ON EXISTING DOUBLE MAST ARM AND EXISTING LIGHT POLE
		LIGHT POLE, IDENTIFICATION NO.
		POWER SERVICE
		INDICATES CIRCUIT & NO. OF SINGLE CONDUCTORS IN CABLE OR CONDUIT (NO. 4 AWG.) UNLESS INDICATED OTHERWISE
		JUNCTION BOX, IDENTIFICATION NO.
		PULL BOX, IDENTIFICATION NO.
		2" CONDUIT
		STUB AND CAP CONDUIT ELL

DESIGN AGENCY



DESIGNER

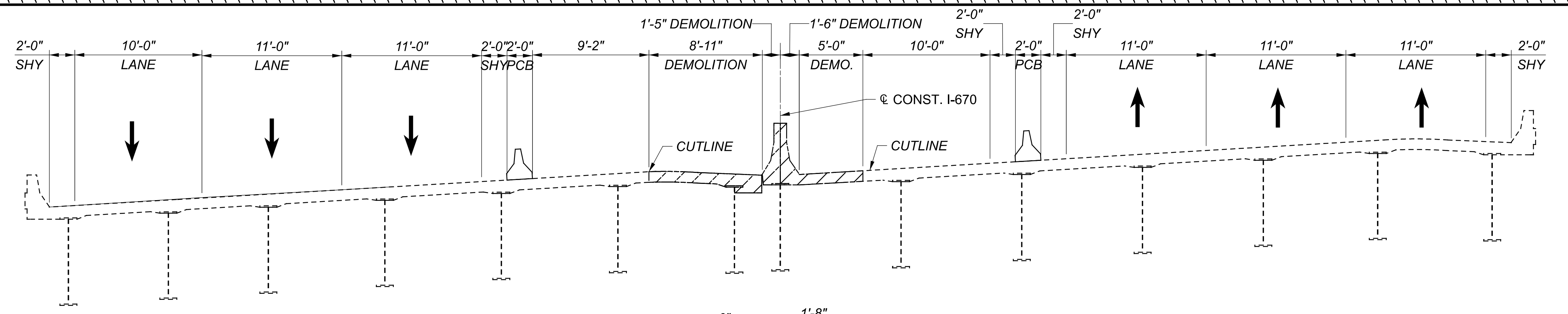
REVIEWER

PROJECT ID

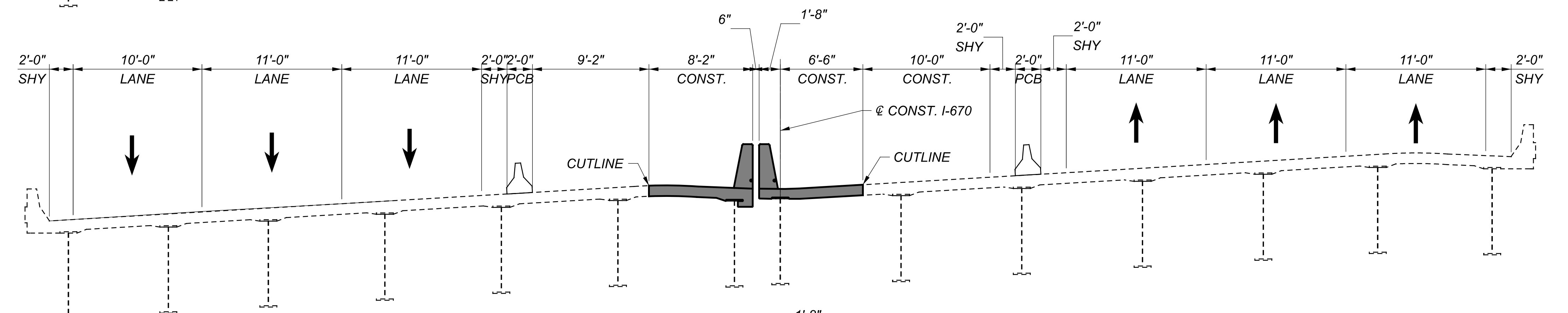
SHEET TOTAL

P.95 | P.179

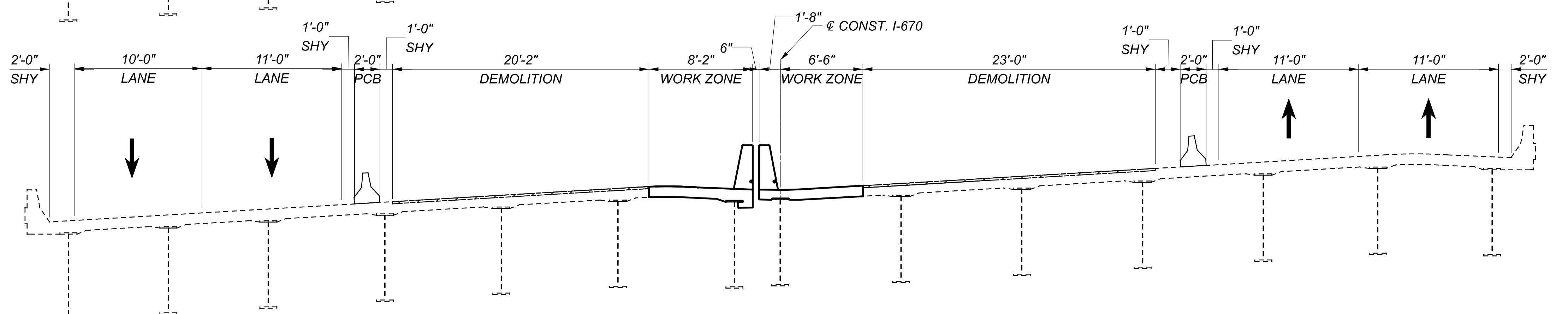
PHASE 1a: BEGIN TEMPORARY TRAFFIC ON EXTERIOR LANES & REMOVE MEDIAN, BACKWALL, EXPANSION JOINT, & ADJACENT DECK SECTION.



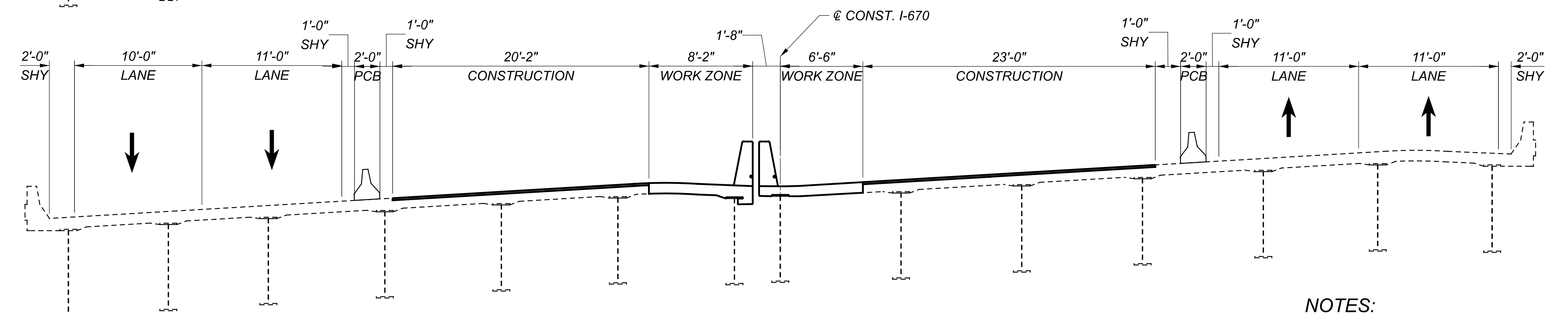
PHASE 1b: CONSTRUCT NEW MEDIAN, BACKWALL, EXPANSION JOINT, & ADJACENT FULL DEPTH DECK SECTION.



PHASE 2a: REDUCE TRAFFIC FROM THREE TO TWO EXTERIOR LANES & REMOVE 2" OVERLAY. SEE NOTE 3.



PHASE 2b: CONSTRUCT 2" OVERLAY ON PROPOSED SECTION. SEE NOTE 3.



LEGEND

- LIMITS OF REMOVAL
- NEW CONSTRUCTION

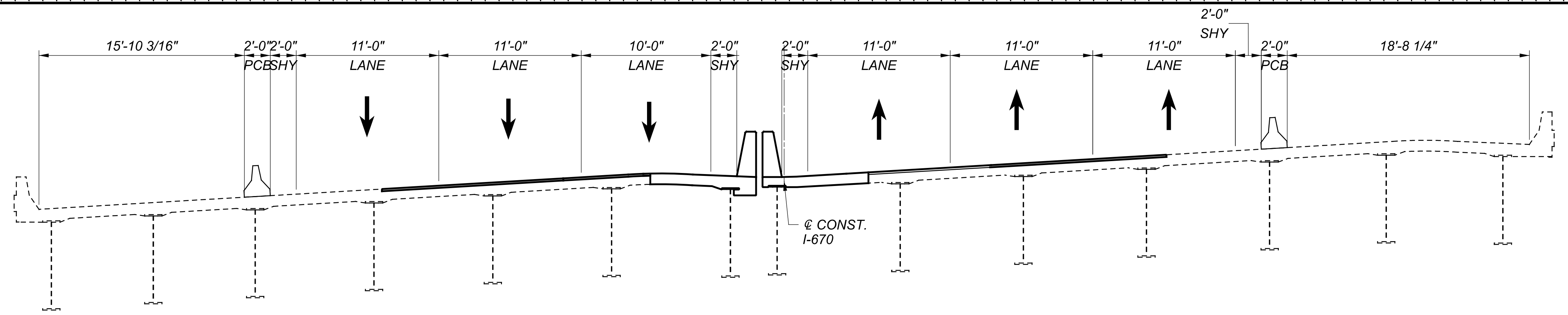
NOTES:

1. PAYMENT FOR PORTABLE CONCRETE BARRIER INCLUDED IN ROADWAY GENERAL SUMMARY.
2. FOR ADDITIONAL DETAILS ON PORTABLE CONCRETE BARRIER SEE STANDARD DRAWING PCB-91.
3. PHASES 2A AND 2B TO BE COMPLETED OVER ONE (1) 7-DAY CLOSURE PERIOD PER THE MOTEC EXCEPTION DETAILED IN THE MOT NOTES.

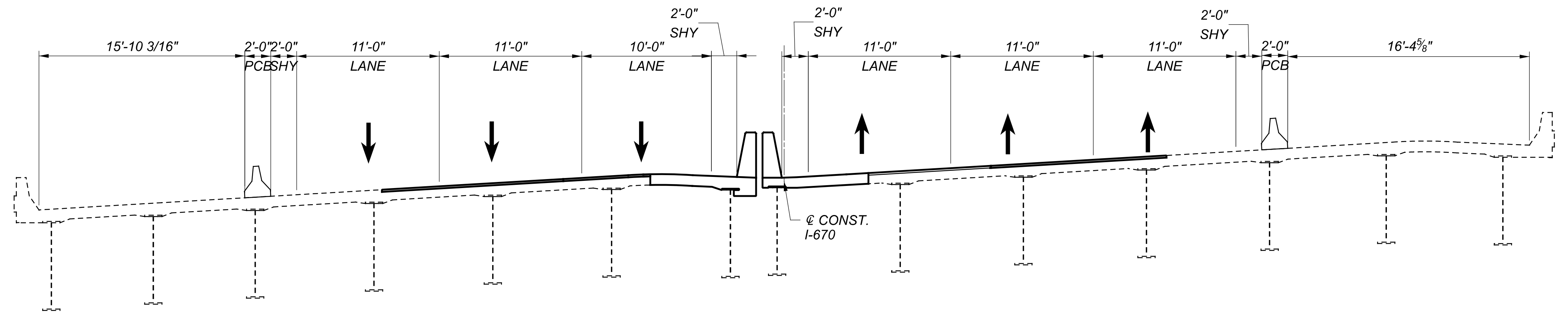
STAGED CONSTRUCTION DETAILS
BRIDGE NO. FRA-670-0018
I-670 OVER I-70

SFN		2504340	
DESIGN AGENCY			
		VS ENGINEERING	
DESIGNER	CHECKER		
BCB	DJK		
REVIEWER		RDH 10/31/23	
PROJECT ID			
111641			
SUBSET	TOTAL		
5	18		
SHEET	TOTAL		
P.101	P.179		

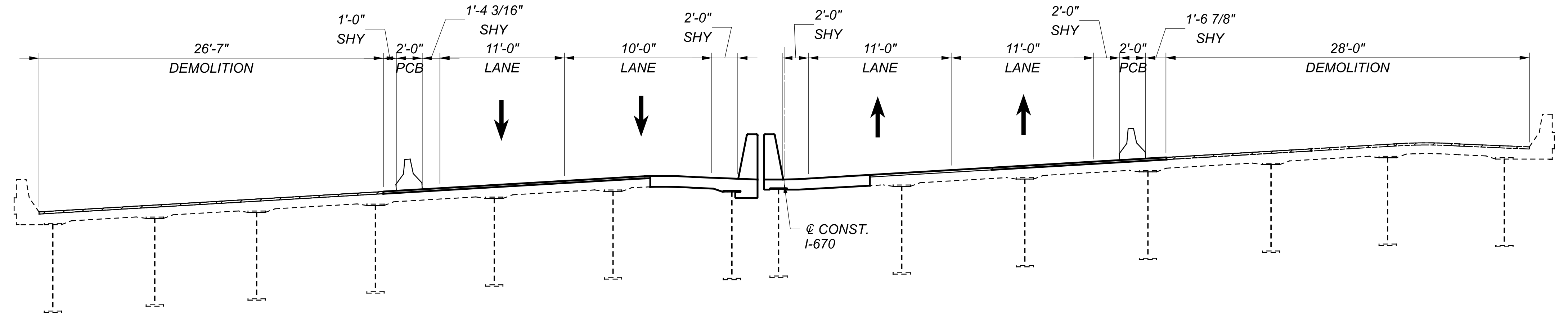
PHASE 3a: SHIFT TRAFFIC TO INSIDE MEDIAN SHOULDERS.



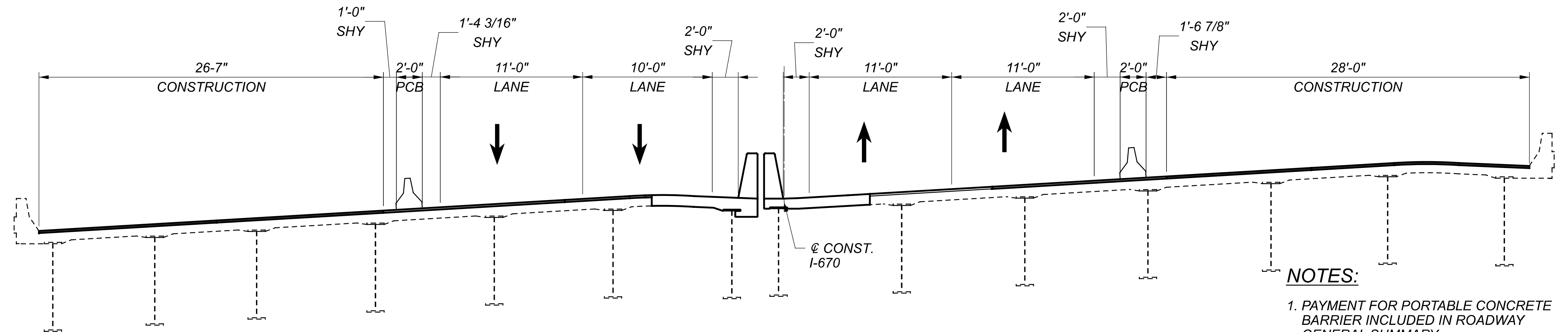
PHASE 3b: MAINTAIN TRAFFIC



PHASE 4a: REDUCE TRAFFIC FROM THREE TO TWO INTERIOR LANES & REMOVE DECK OVERLAY AS MARKED. SEE NOTE 3.



PHASE 4b: POUR 2" OVERLAY OVER PREVIOUSLY REMOVED SECTION. SEE NOTE 3.



LEGEND

- LIMITS OF REMOVAL
- NEW CONSTRUCTION

NOTES:

1. PAYMENT FOR PORTABLE CONCRETE BARRIER INCLUDED IN ROADWAY GENERAL SUMMARY.
2. FOR ADDITIONAL DETAILS ON PORTABLE CONCRETE BARRIER SEE STANDARD DRAWING PCB-91.
3. PHASES 4A AND 4B TO BE COMPLETED OVER ONE (1) 7-DAY CLOSURE PERIOD PER THE MOTEC EXCEPTION DETAILED IN THE MOT NOTES

STAGED CONSTRUCTION DETAILS
BRIDGE NO. FRA-670-0018
I-670 OVER I-70

FRA-670-00.18

MODEL: Sheet PAPER/DATE: 7/8/2024 TIME: 10:56:34 AM USER: kdickens
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SFN 2504340

DESIGN AGENCY



DESIGNER CHECKER

BCB DJK

REVIEWER

RDH 10/31/23

PROJECT ID

111641

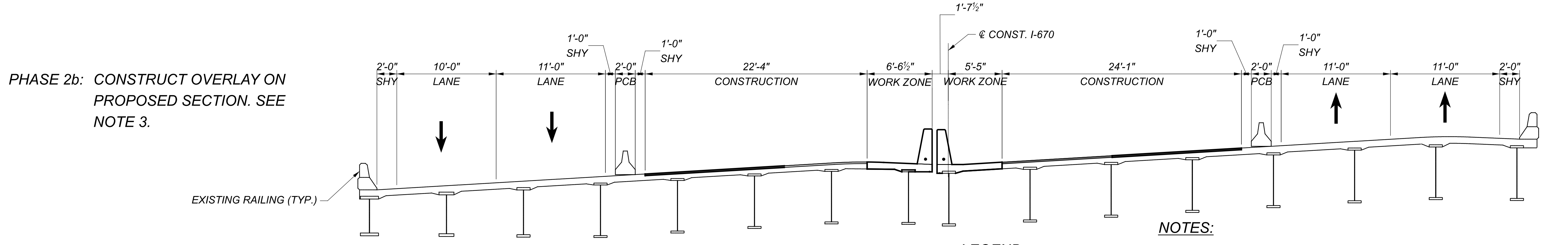
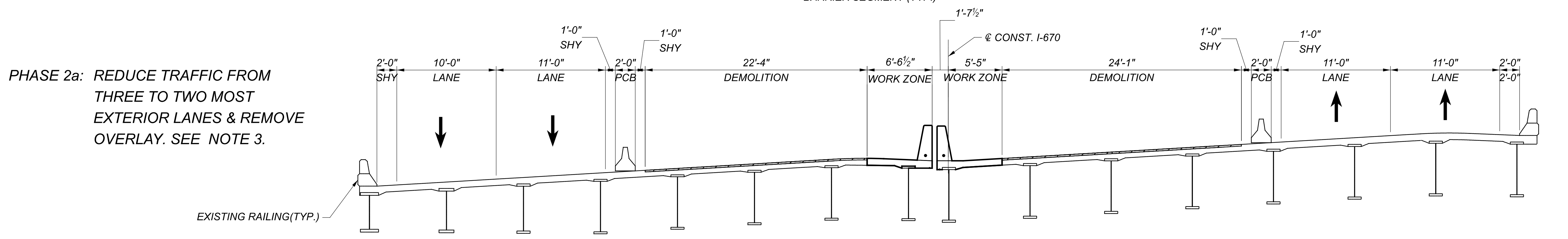
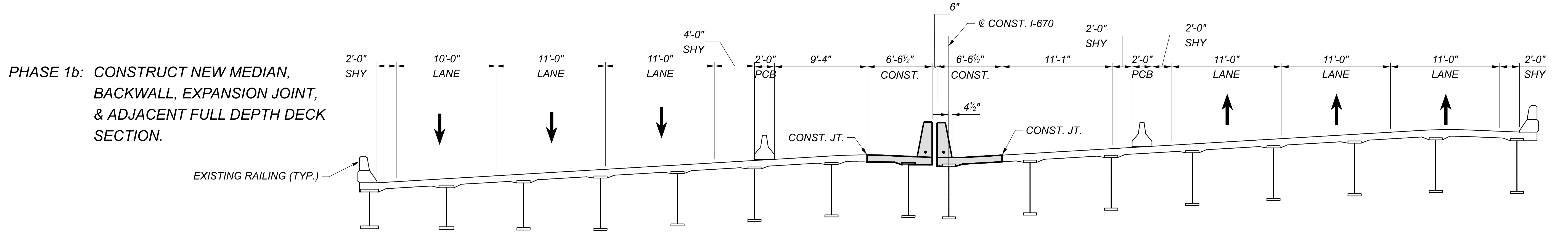
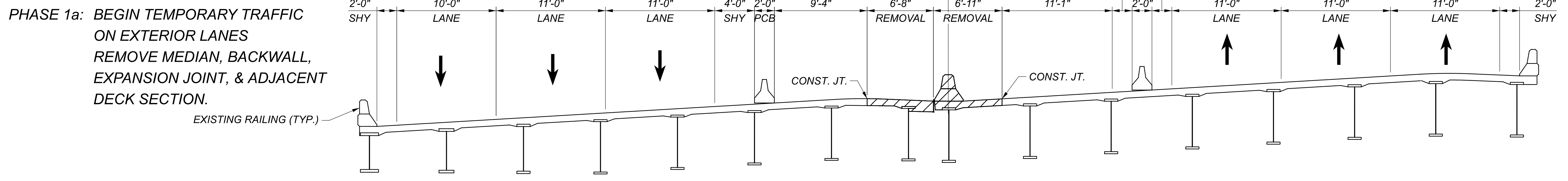
SUBSET TOTAL

6 18

SHEET TOTAL

P.102 P.179

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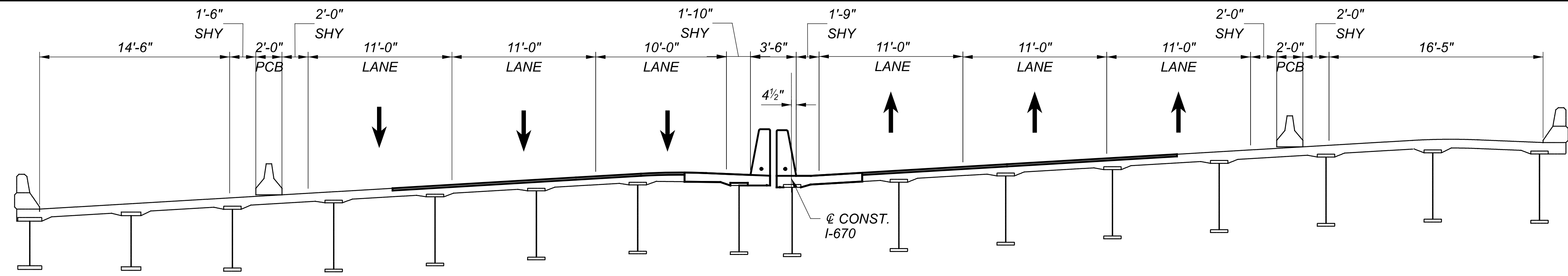
LEGEND
 LIMITS OF REMOVAL
 NEW CONSTRUCTION

NOTES:
 1. PAYMENT FOR PORTABLE CONCRETE BARRIER INCLUDED IN ROADWAY GENERAL SUMMARY.
 2. FOR ADDITIONAL DETAILS ON PORTABLE CONCRETE BARRIER SEE STANDARD DRAWING PCB-91.
 3. PHASES 2A AND 2B TO BE COMPLETED OVER ONE (1) 7-DAY CLOSURE PERIOD PER THE MOTEC EXCEPTION DETAILED IN THE MOT NOTES.

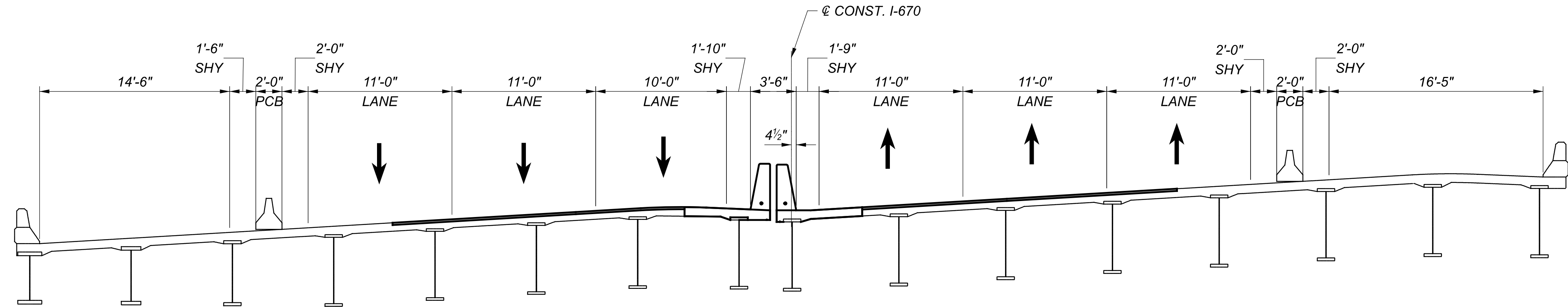
CONSTRUCTION SEQUENCE
 BRIDGE NO. FRA-670-0021
 I-670 OVER MCKINLEY AVENUE

SFN	2504367
DESIGN AGENCY	
DESIGNER	MS
CHECKER	PJL
REVIEWER	
NCK	10/31/23
PROJECT ID	111641
SUBSET	6
TOTAL	20
SHEET	P.120
TOTAL	P.179

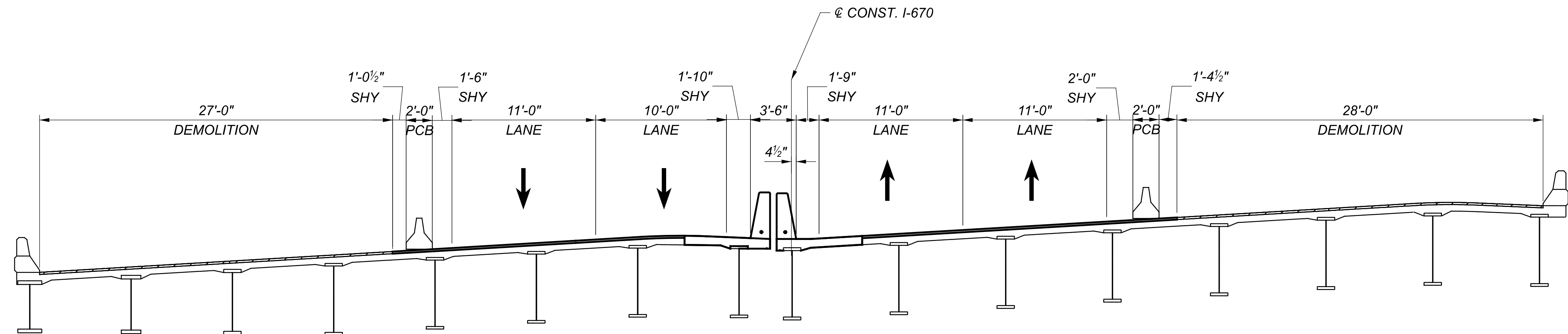
PHASE 3a: SHIFT TRAFFIC TO INSIDE MEDIAN SHOULDERS.



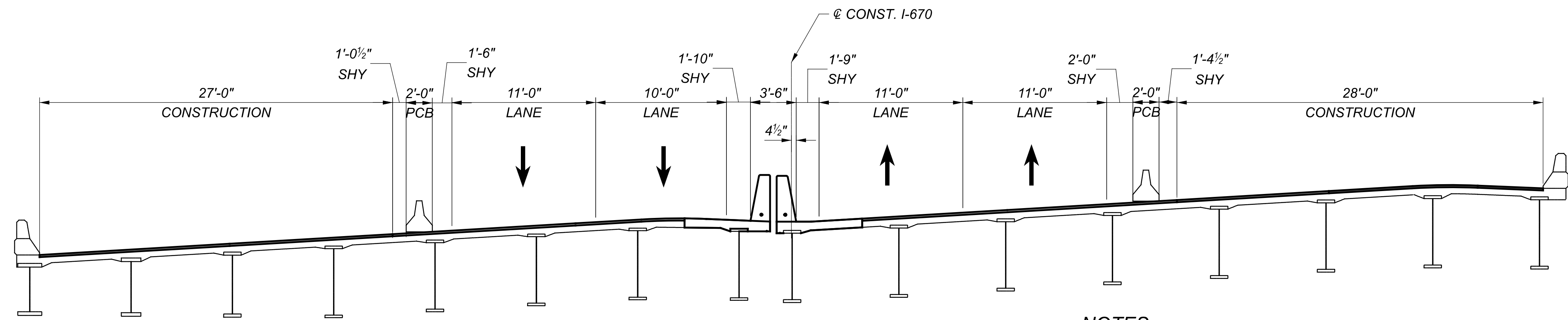
PHASE 3b: MAINTAIN TRAFFIC





PHASE 4a: REDUCE TRAFFIC FROM THREE TO TWO MOST INTERIOR LANES AND REMOVE DECK OVERLAY AS MARKED. SEE NOTE 3.



PHASE 4b: CONSTRUCT OVERLAY ON PROPOSED SECTION SEE NOTE 3



LEGEND

-  LIMITS OF REMOVAL
-  NEW CONSTRUCTION

NOTES:

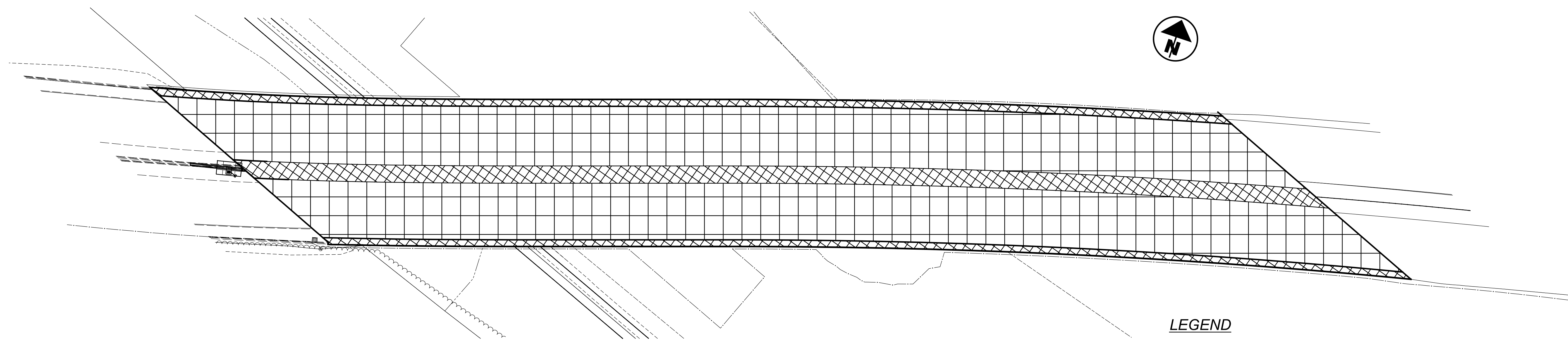
1. PAYMENT FOR PORTABLE CONCRETE BARRIER INCLUDED IN ROADWAY GENERAL SUMMARY.
2. FOR ADDITIONAL DETAILS ON PORTABLE CONCRETE BARRIER SEE STANDARD DRAWING PCB-91.
3. PHASES 4A AND 4B TO BE COMPLETED OVER ONE (1) 7-DAY CLOSURE PERIOD PER THE MOTEC EXCEPTION DETAILED IN THE MOT NOTES.

CONSTRUCTION SEQUENCE
BRIDGE NO. FRA-670-0021
I-670 OVER MCKINLEY AVENUE

SFN	2504367
DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
CHECKER	
MS	PJL
REVIEWER	
NCK	10/31/23
PROJECT ID	111641
SUBSET	TOTAL
7	20
SHEET	TOTAL
P.121	P.179

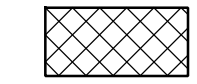
FRA-670-0.03

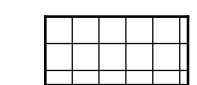
MODEL: Sheet PAPER SIZE: 34x22 (in.) DATE: 7/8/2024 TIME: 11:01:10 AM USER: kdickens
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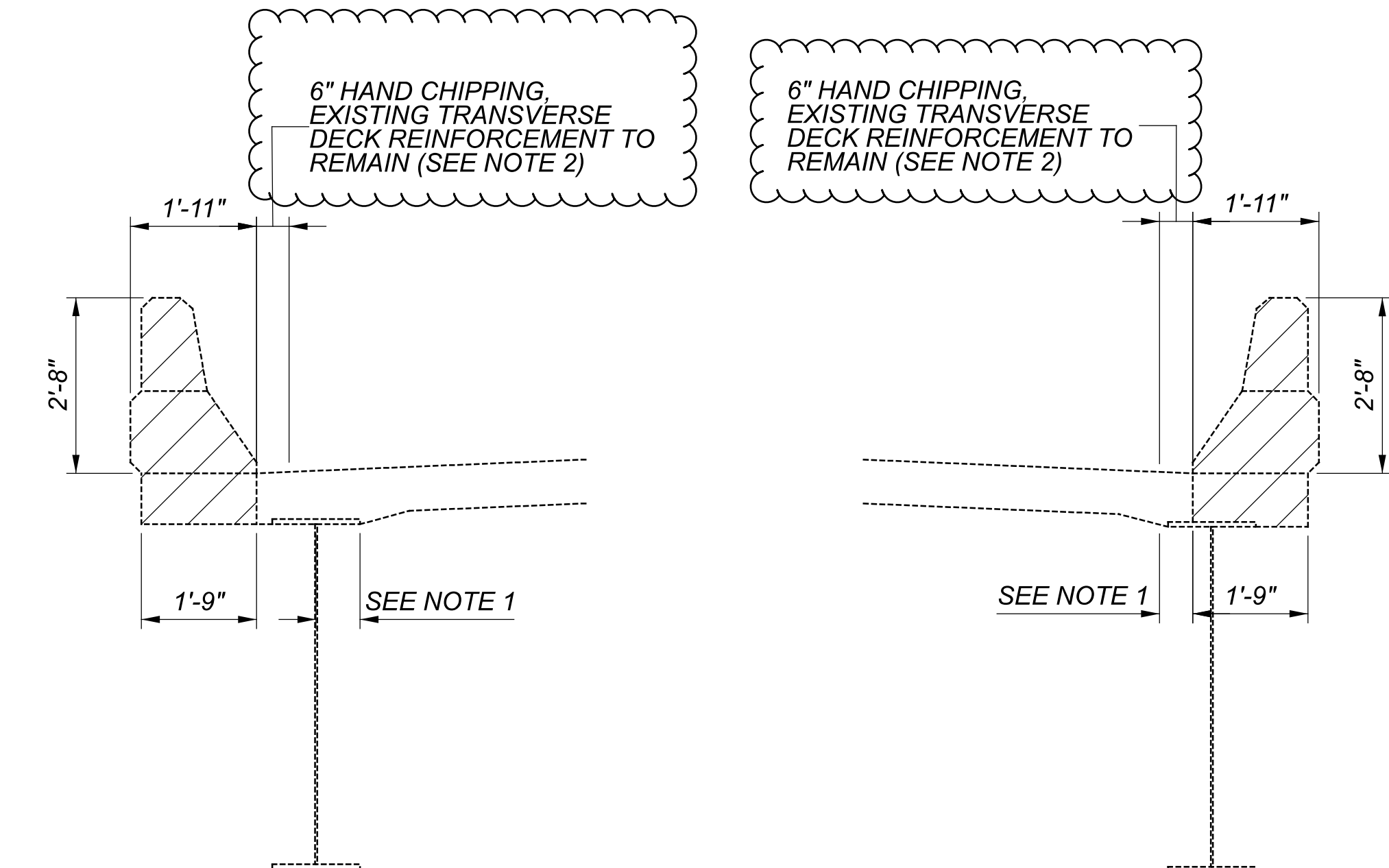


PROPOSED WORK SCHEMATIC

LEGEND

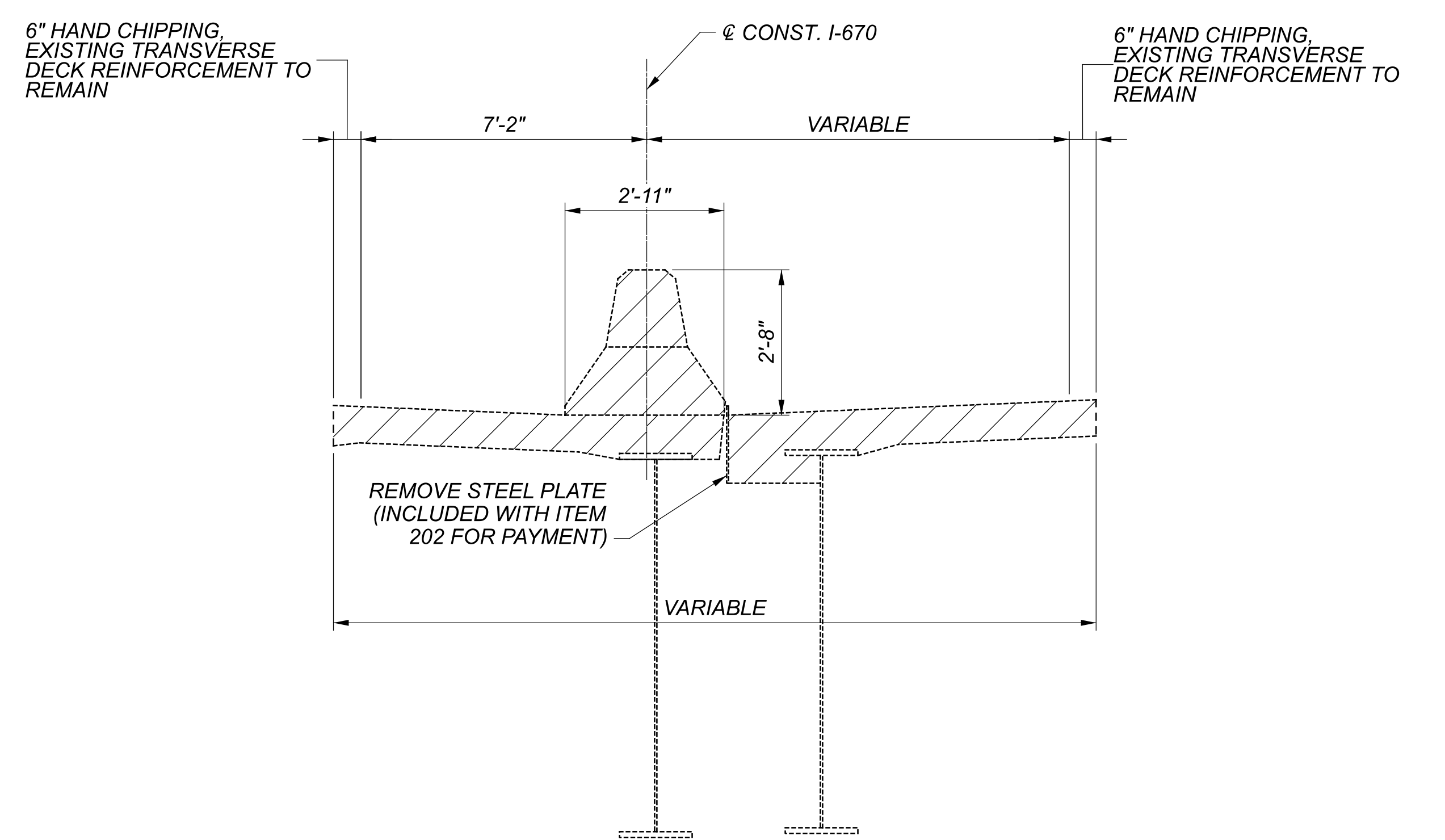
 REMOVE AND REPLACE EXISTING DECK AND RAILING

 REMOVE EXISTING 1 3/4" OVERLAY AND 1/4" DECK WITH HYDRODEMOLITION. REPLACE WITH 2" LMC OVERLAY.



WB END DECK REMOVAL SECTION
 (REMOVAL LIMITS INCLUDE APPROACH SLABS)

EB END DECK REMOVAL SECTION
 (REMOVAL LIMITS INCLUDE APPROACH SLABS)



MEDIAN REMOVAL SECTION

NOTES

1. MAINTAIN 3" MINIMUM SUPPORT DISTANCE OF EXISTING DECK OVER FLANGE. CONTRACTOR TO PROVIDE TEMPORARY DECK SUPPORT AT LOCATIONS WHERE 3" IS NOT AVAILABLE.
2. THE CONTRACTOR HAS THE OPTION TO OMIT HAND CHIPPING AND DOWEL PROPOSED DECK REINFORCEMENT INTO THE EXISTING DECK. ALL ADDITIONAL LABOR AND MATERIALS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR

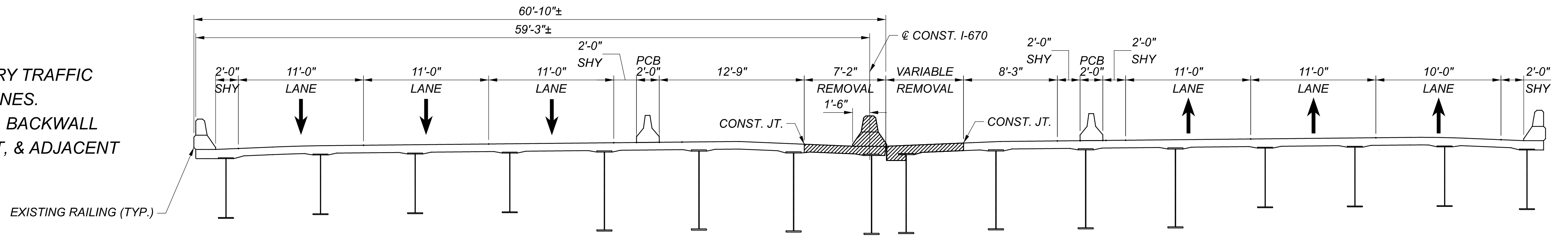
LEGEND

 REMOVAL LIMITS

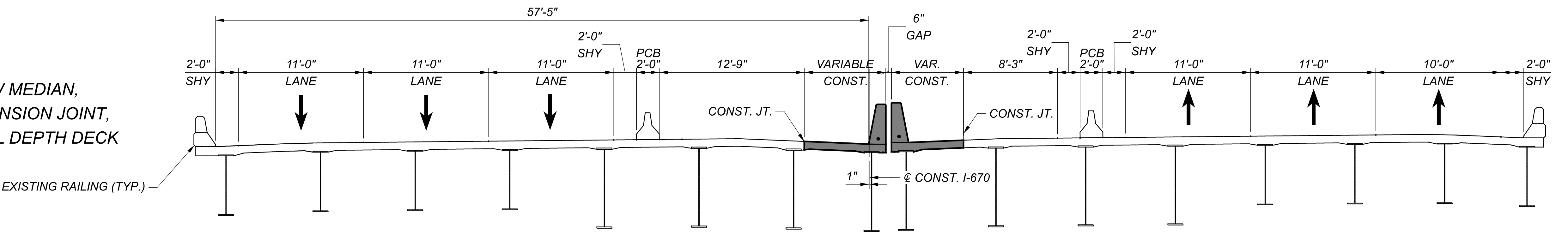
REMOVAL LIMITS
 BRIDGE NO. FRA-670-0031
 I-670 OVER CSXT, SCIOTO RIVER, EB RAMP TO I-670

SFN	2504375
DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
CHECKER	
REVIEWER	
PROJECT ID	111641
SUBSET	7
TOTAL	45
SHEET	P.141
TOTAL	P.179

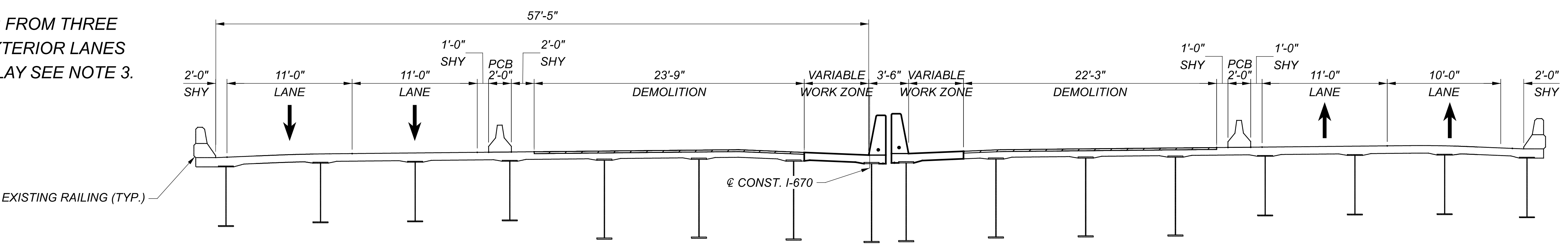
PHASE 1a: BEGIN TEMPORARY TRAFFIC ON EXTERIOR LANES. REMOVE MEDIAN, BACKWALL EXPANSION JOINT, & ADJACENT DECK SECTION.



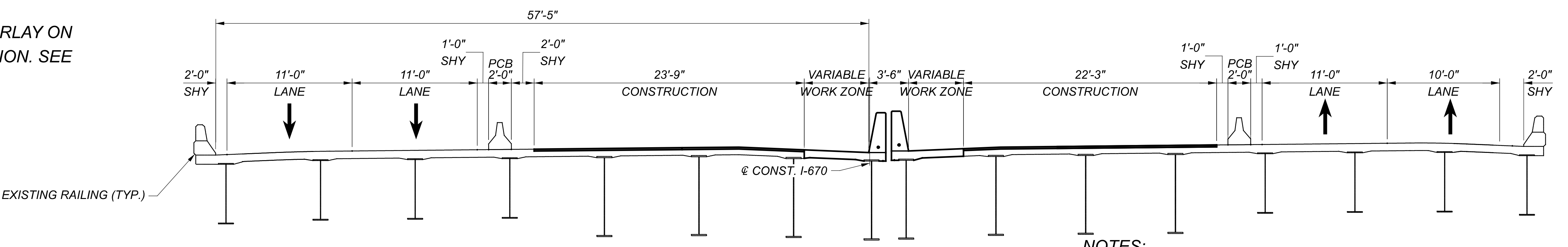
PHASE 1b: CONSTRUCT NEW MEDIAN, BACKWALL, EXPANSION JOINT, & ADJACENT FULL DEPTH DECK SECTION.



PHASE 2a: REDUCE TRAFFIC FROM THREE TO TWO MOST EXTERIOR LANES & REMOVE OVERLAY SEE NOTE 3.



PHASE 2b: CONSTRUCT OVERLAY ON PROPOSED SECTION. SEE NOTE 3.

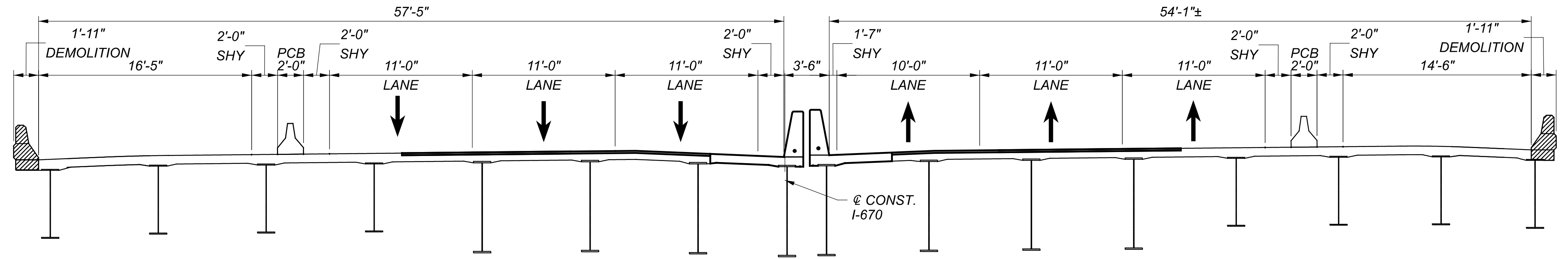


- LEGEND**
- LIMITS OF REMOVAL
 - NEW CONSTRUCTION

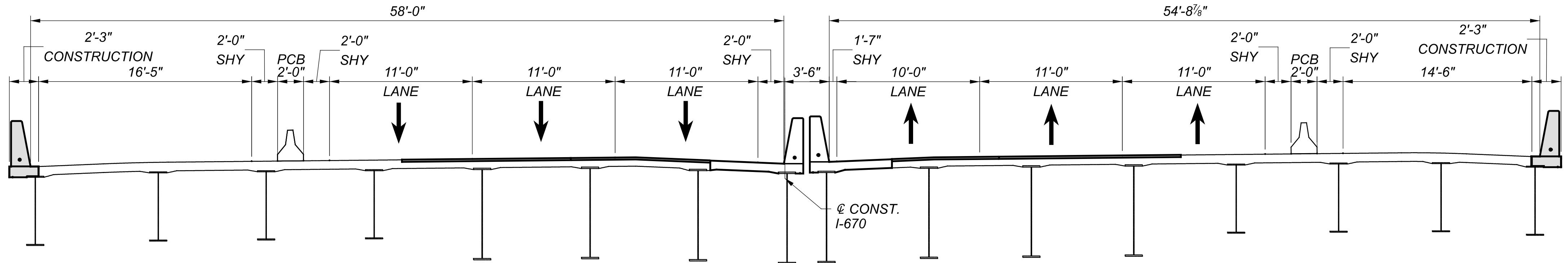
- NOTES:**
1. PAYMENT FOR PORTABLE CONCRETE BARRIER INCLUDED IN ROADWAY GENERAL SUMMARY.
 2. FOR ADDITIONAL DETAILS ON PORTABLE CONCRETE BARRIER SEE STANDARD DRAWING PCB-91.
 3. PHASES 2A AND 2B TO BE COMPLETED OVER ONE (1) 7- DAY CLOSURE PERIOD PER THE MOTEC EXCEPTION DETAILED IN THE MOT NOTES.

SFN	2504375
DESIGN AGENCY	
DESIGNER	MS
CHECKER	PJL
REVIEWER	
NCK	10/31/23
PROJECT ID	111641
SUBSET	10
TOTAL	45
SHEET	P.144
TOTAL	P.179

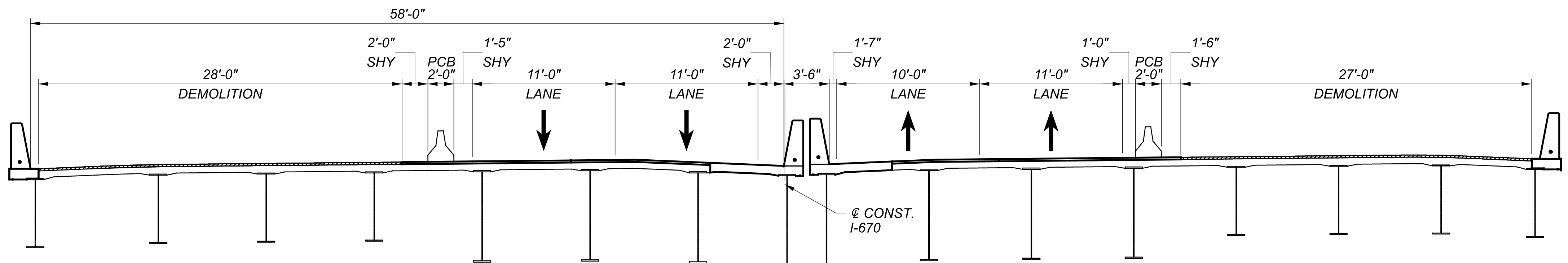
PHASE 3a: SHIFT TRAFFIC TO INSIDE MEDIAN SHOULDERS & REMOVE EXTERIOR PARAPET AS MARKED.



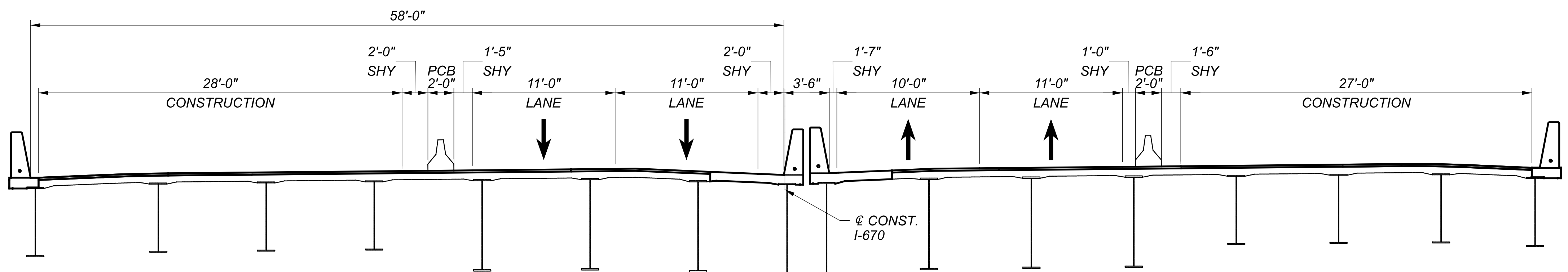
PHASE 3b: CONSTRUCT THE EXTERIOR PARAPETS.



PHASE 4a: REDUCE EASTBOUND TRAFFIC TO 2 LANES ON INSIDE MEDIAN SHOULDERS AND REMOVE DECK OVERLAY AS MARKED. SEE NOTE 4.



PHASE 4b: CONSTRUCT OVERLAY OVER PREVIOUSLY REMOVED SECTION. SEE NOTE 4.



LEGEND
 LIMITS OF REMOVAL
 NEW CONSTRUCTION

NOTES:

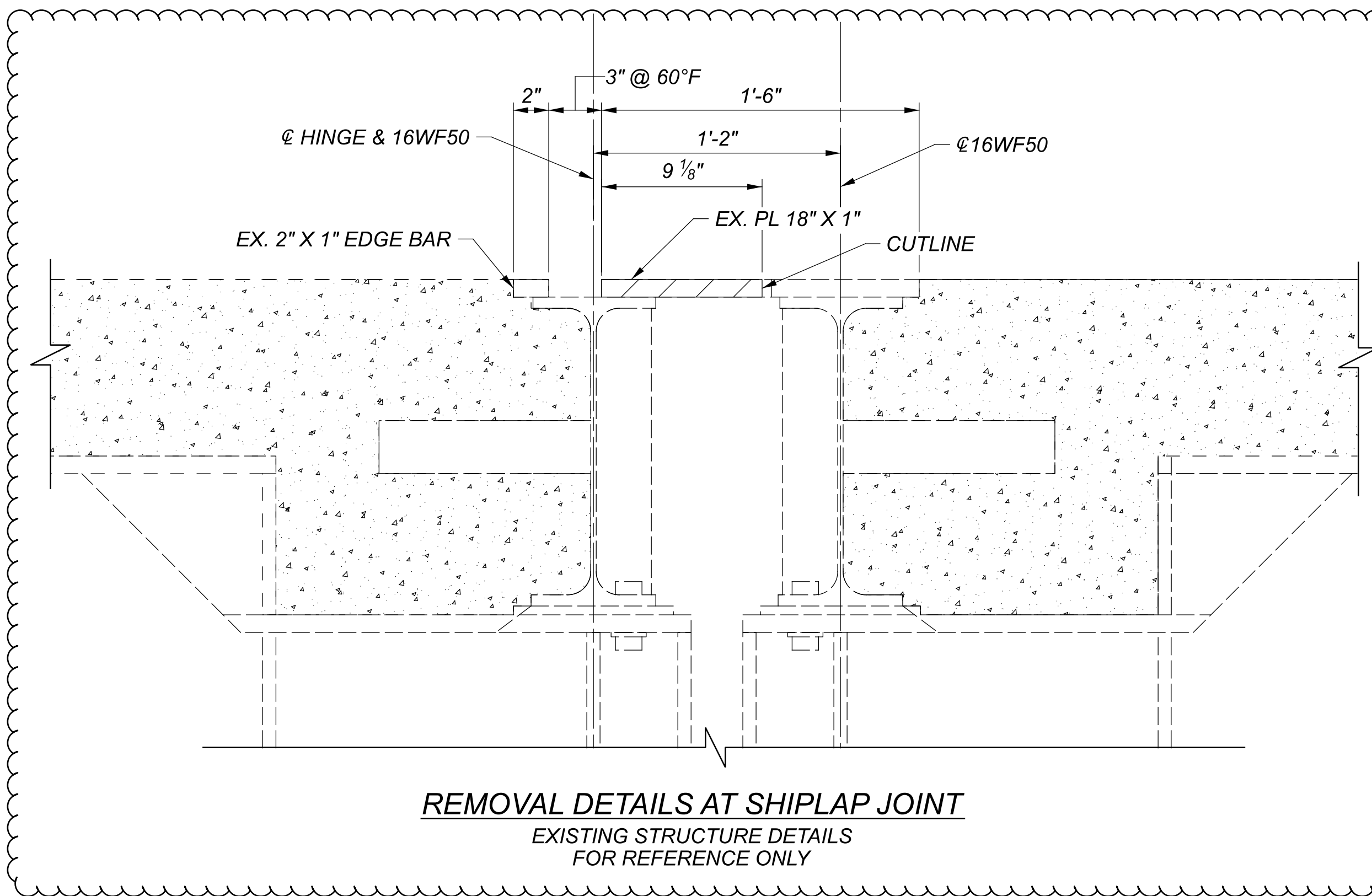
1. PAYMENT FOR PORTABLE CONCRETE BARRIER INCLUDED IN ROADWAY GENERAL SUMMARY.
2. FOR ADDITIONAL DETAILS ON PORTABLE CONCRETE BARRIER SEE STANDARD DRAWING PCB-91.
3. PIER 2A REPAIRS TO BE MADE DURING PHASE 3A-4B. SEE SHEETS 17 AND 18 OF 43 FOR DETAILS.
4. PHASES 4A AND 4B TO BE COMPLETED OVER ONE (1) 7-DAY CLOSURE PERIOD PER THE MOTEC EXCEPTION DETAILED IN THE MOT NOTES.

FRA-670-0.03

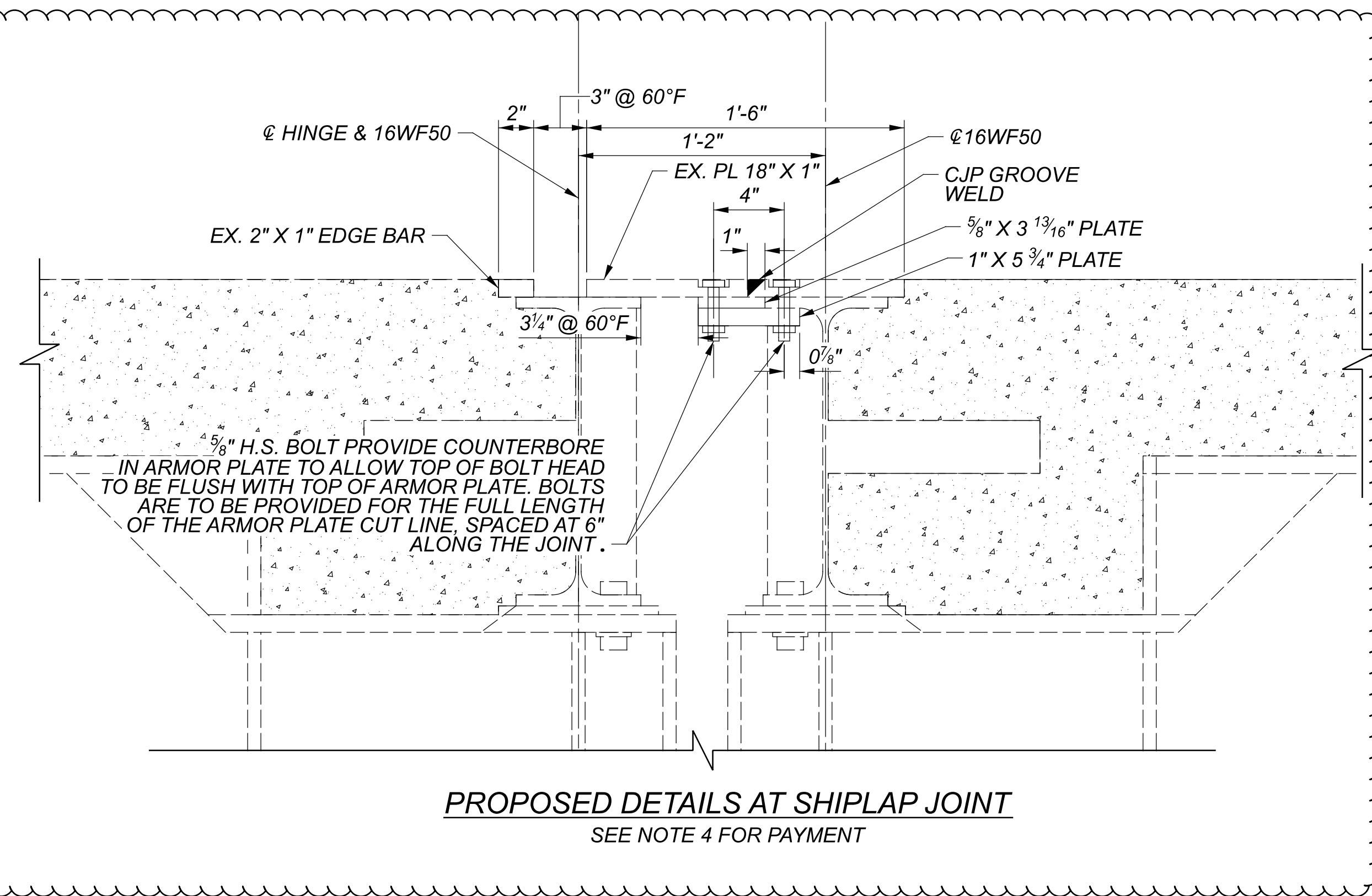
MODEL: Sheet PAPER/SCALE: 3/4x22 (in.) DATE: 7/8/2024 TIME: 11:04:05 AM USER: kdickens
 p:\mb-us-pw-bentley.com\mb-us-pw-03\Documents\Columbus_OH101_Projects\ODOT\District06\11641\400-Engineering\Structures\SFN_2504375_Sheets\11641_SFN_2504375_SC002.dgn

CONSTRUCTION SEQUENCE
 BRIDGE NO. FRA-670-0031
 I-670 OVER CSXT, SCIOTO RIVER, EB RAMP TO I-670

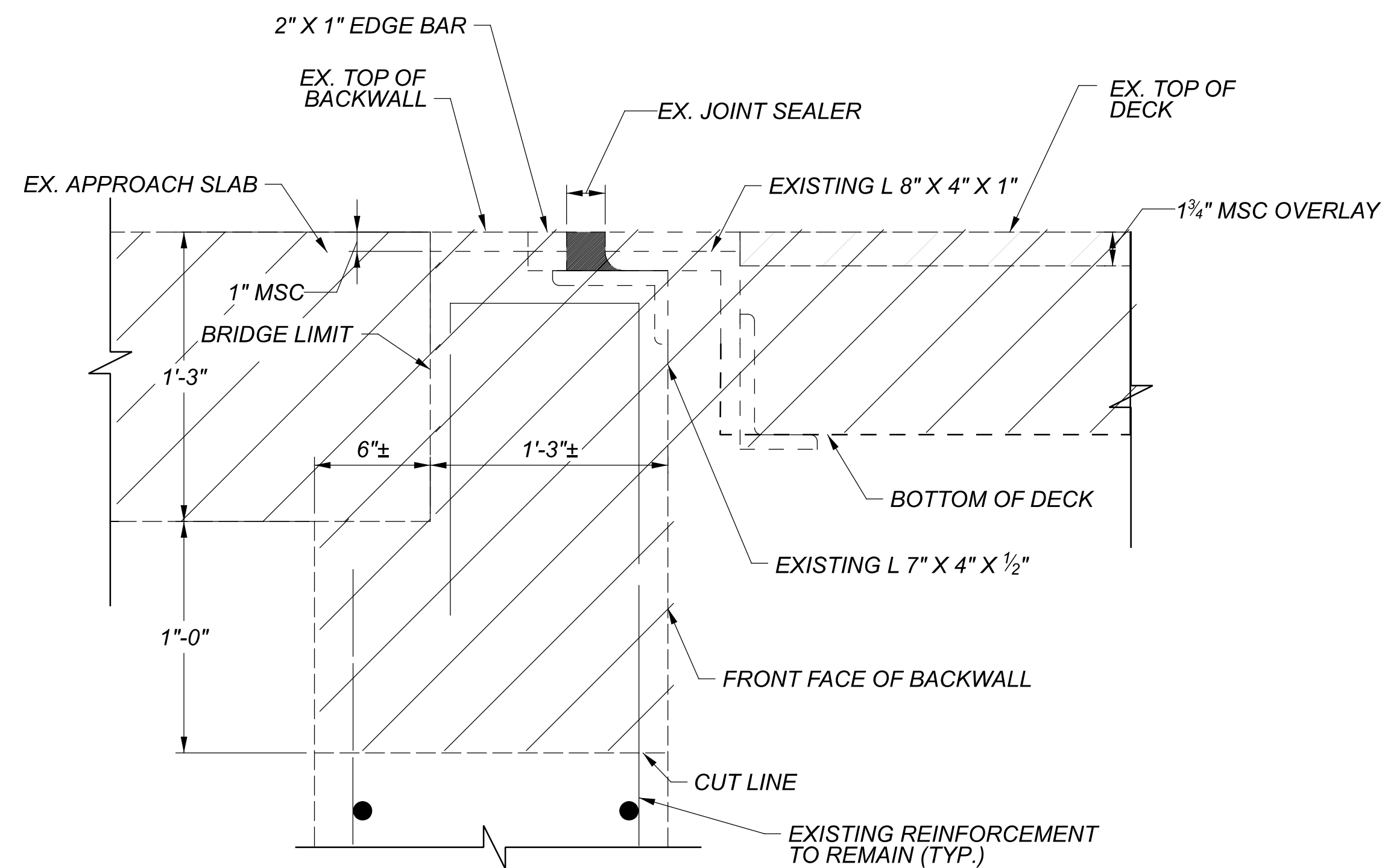
SFN	2504375
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	CHECKER
MS	PJL
REVIEWER	
NCK	10/31/23
PROJECT ID	111641
SUBSET	TOTAL
11	45
SHEET	TOTAL
P.145	P.179



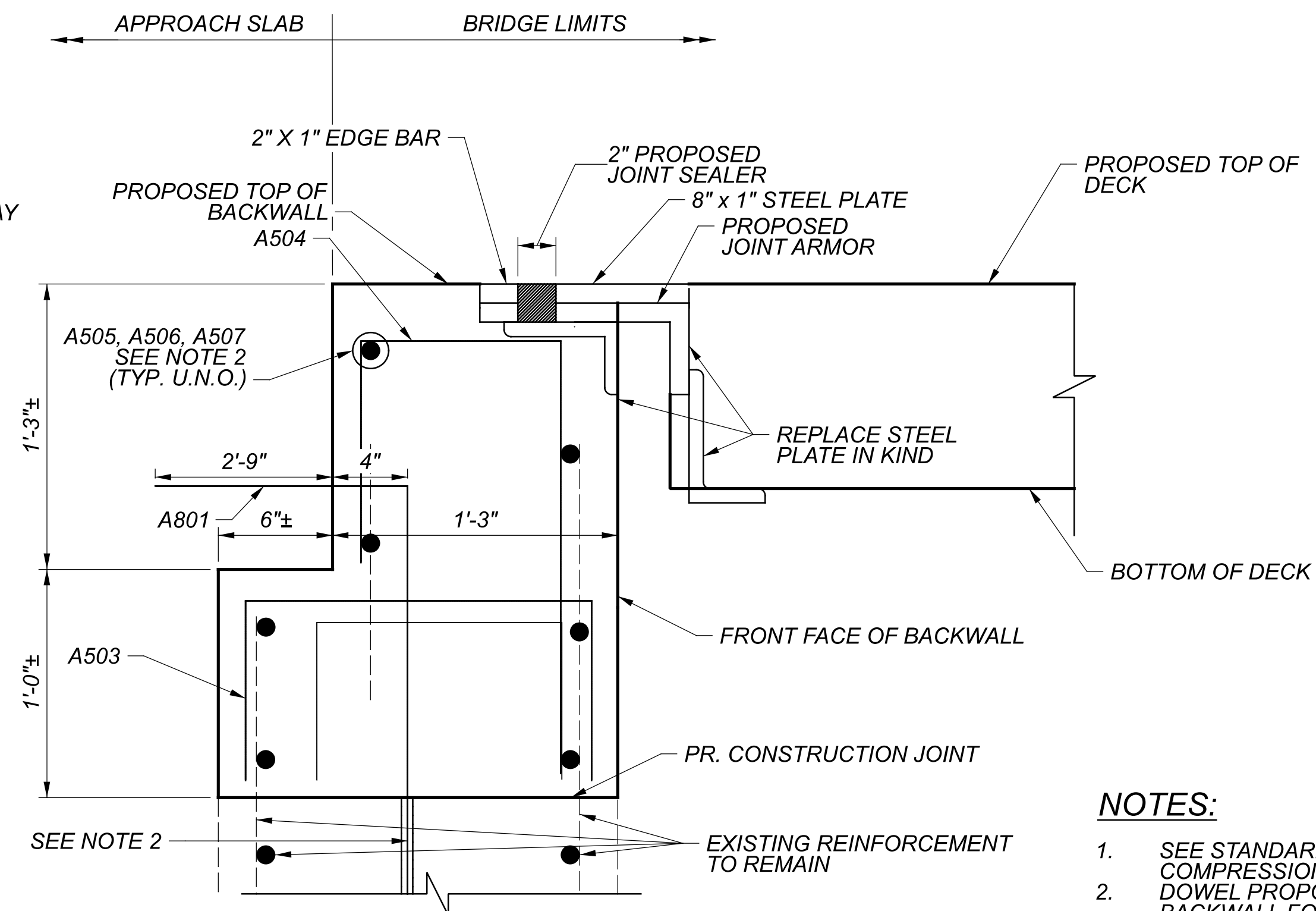
REMOVAL DETAILS AT SHIPLAP JOINT
 EXISTING STRUCTURE DETAILS
 FOR REFERENCE ONLY



PROPOSED DETAILS AT SHIPLAP JOINT
 SEE NOTE 4 FOR PAYMENT



EX. EXP. JT. SECTION C-C
 FORWARD ABUTMENT JOINT REMOVAL
 (REAR ABUTMENT SIMILAR)



PR. EXP. JT. SECTION D-D
 FORWARD ABUTMENT JOINT REHABILITATION
 (REAR ABUTMENT SIMILAR)

LEGEND

LIMITS OF EX. JOINT AND DECK REMOVAL

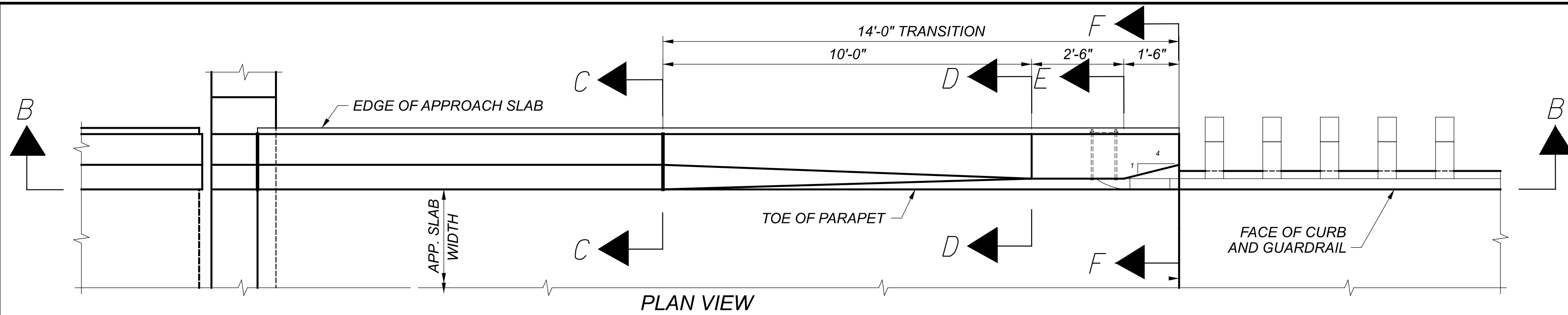
NOTES:

- SEE STANDARD DRAWING EXJ-2-81 FOR ADDITIONAL COMPRESSION SEAL EXPANSION JOINT DETAILS.
- DOWEL PROPOSED REINFORCEMENT INTO EXISTING BACKWALL FOR A MINIMUM OF 3'-0".
- DOWEL PROPOSED REINFORCEMENT IN ADJACENT BACKWALL TO MINIMUM LENGTHS AS SHOWN ON PLAN VIEW.
- ALL LABOR AND MATERIALS NECESSARY TO PERFORM THE SHIPLAP JOINT MODIFICATION SHALL BE INCLUDED WITH ITEM 516 JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN FOR PAYMENT.

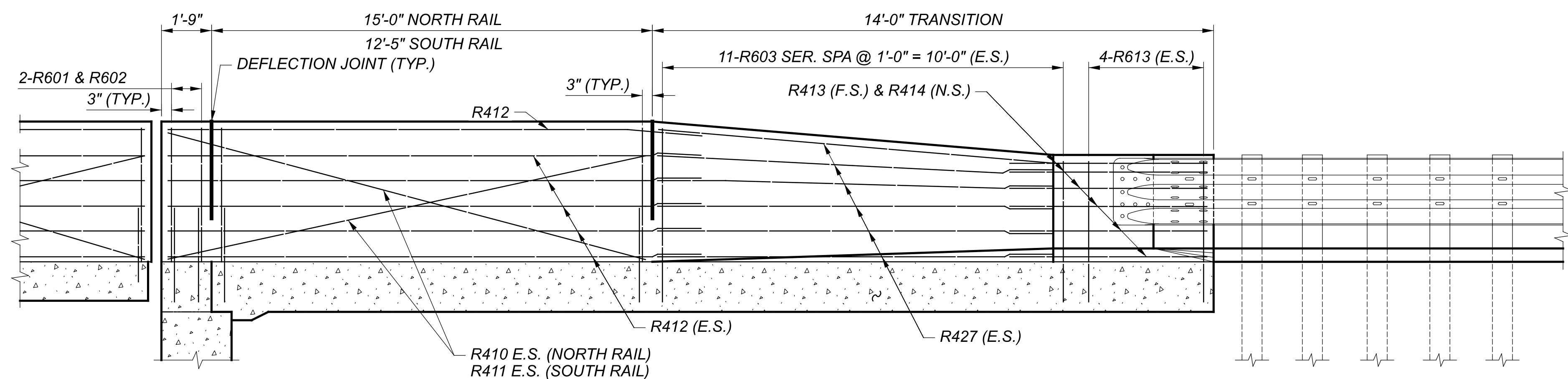
ALLOWED SEQUENCE:

- CLOSE TRAFFIC OVER WIDTH TO HAVE BEARINGS REPLACED.
- DRILL HOLES IN EXISTING TOP PLATES.
- CUT TOP PLATE AS SHOWN IN THE SECTION VIEWS.
- PROVIDE PROTECTION OF JOINT FROM TRAFFIC OVER CUT LINE.
- REPLACE BEARINGS.
- BOLT TOGETHER AND WELD ASSEMBLY SHOWN IN THE SECTION VIEW.

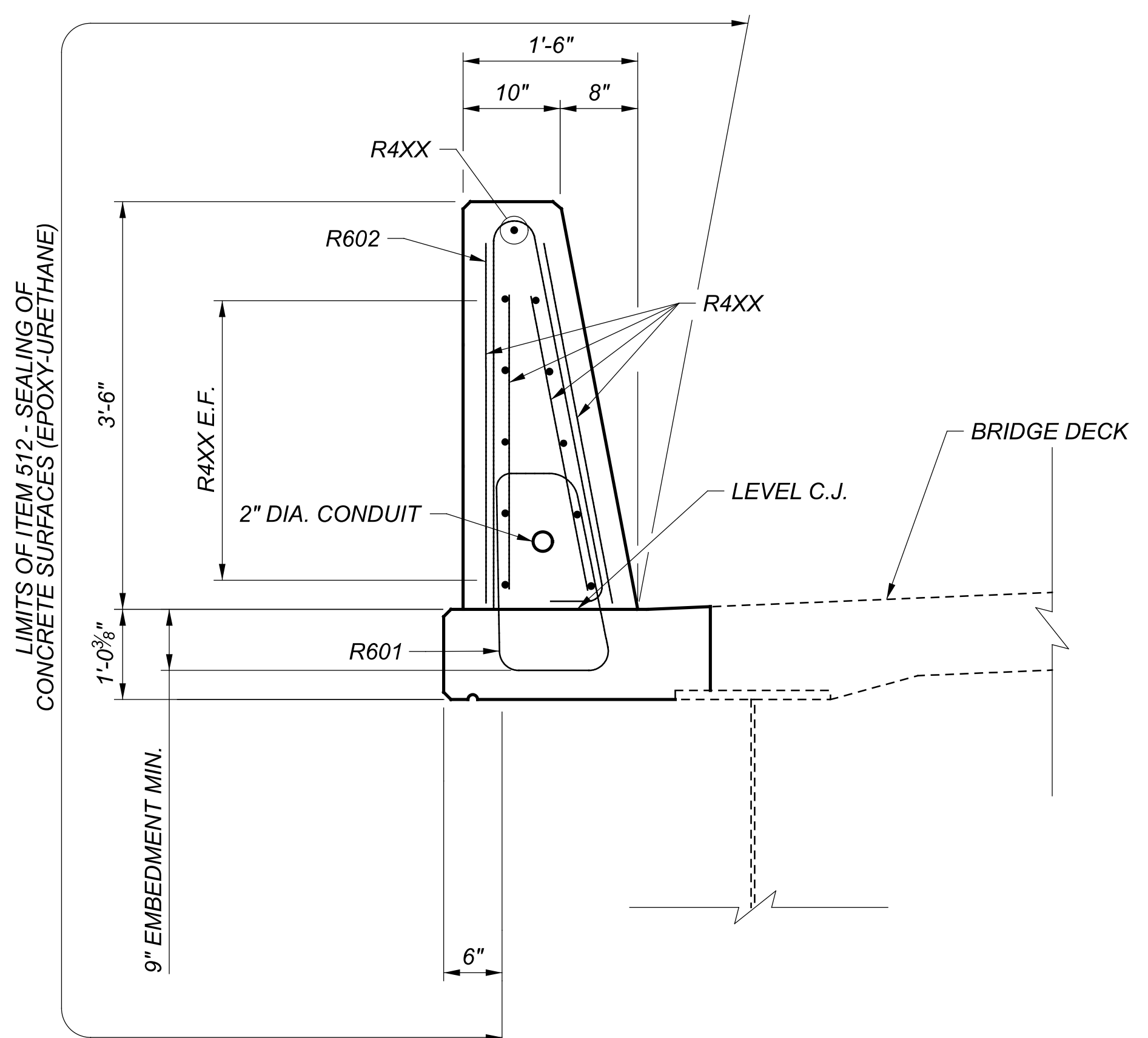
SFN	2504375
DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
CHECKER	
MS	PJL
REVIEWER	NCK 10/31/23
PROJECT ID	111641
SUBSET	TOTAL
14	45
SHEET	TOTAL
P.148	P.179



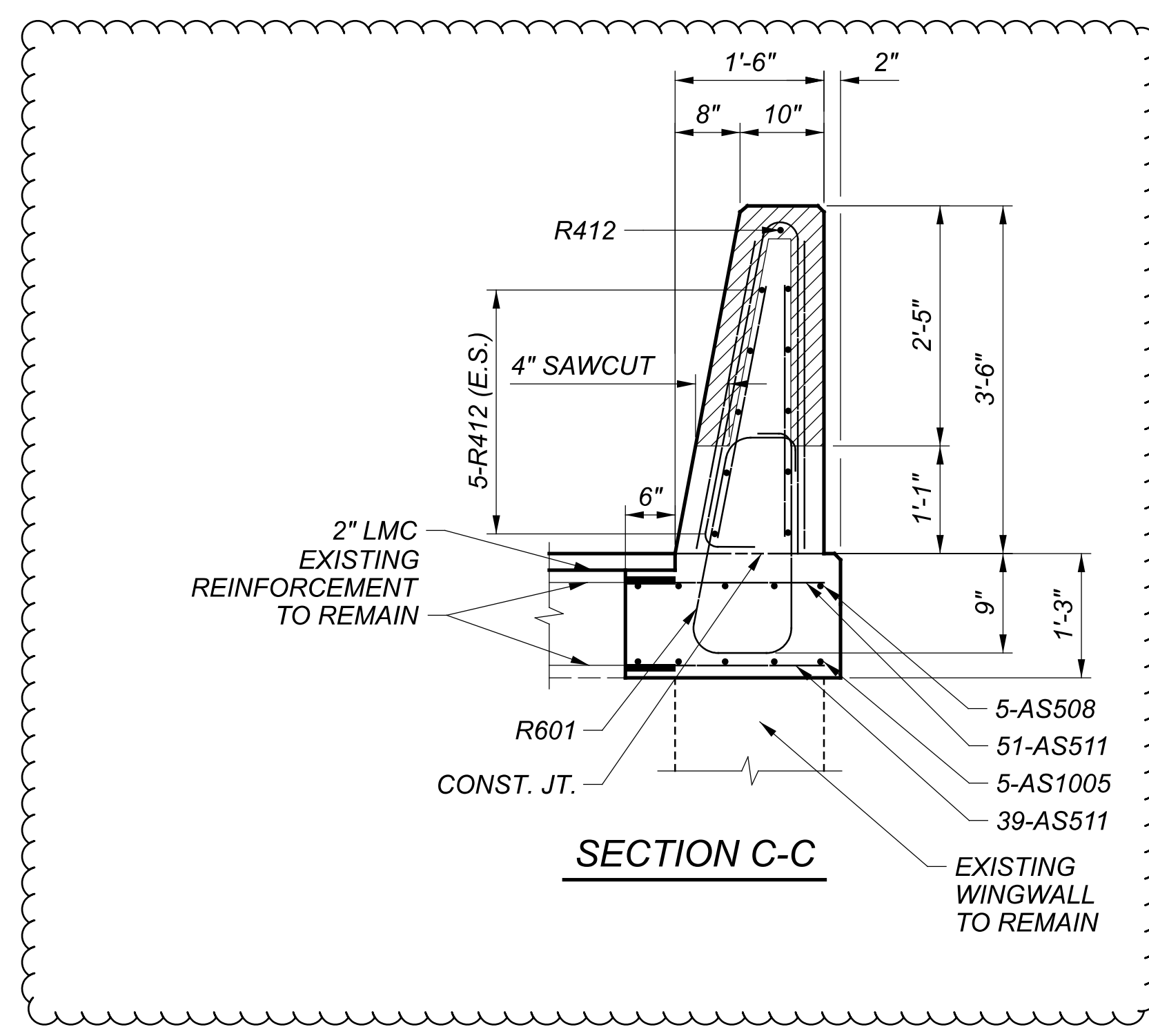
42" SBR-1-20 TRANSITION MOUNTED ON APPROACH SLAB WITH TYPICAL ABUTMENT SHOWN



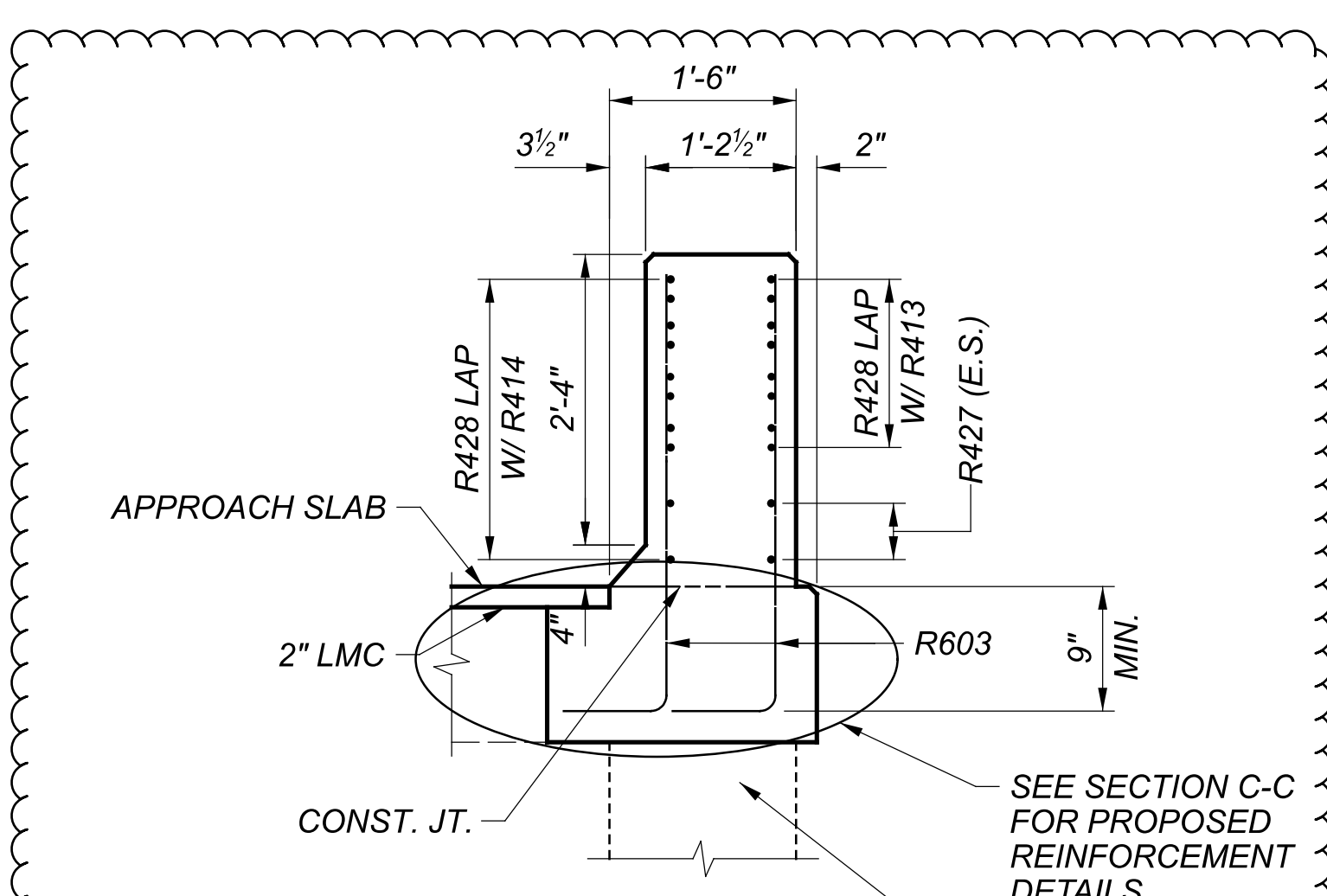
SECTION B-B



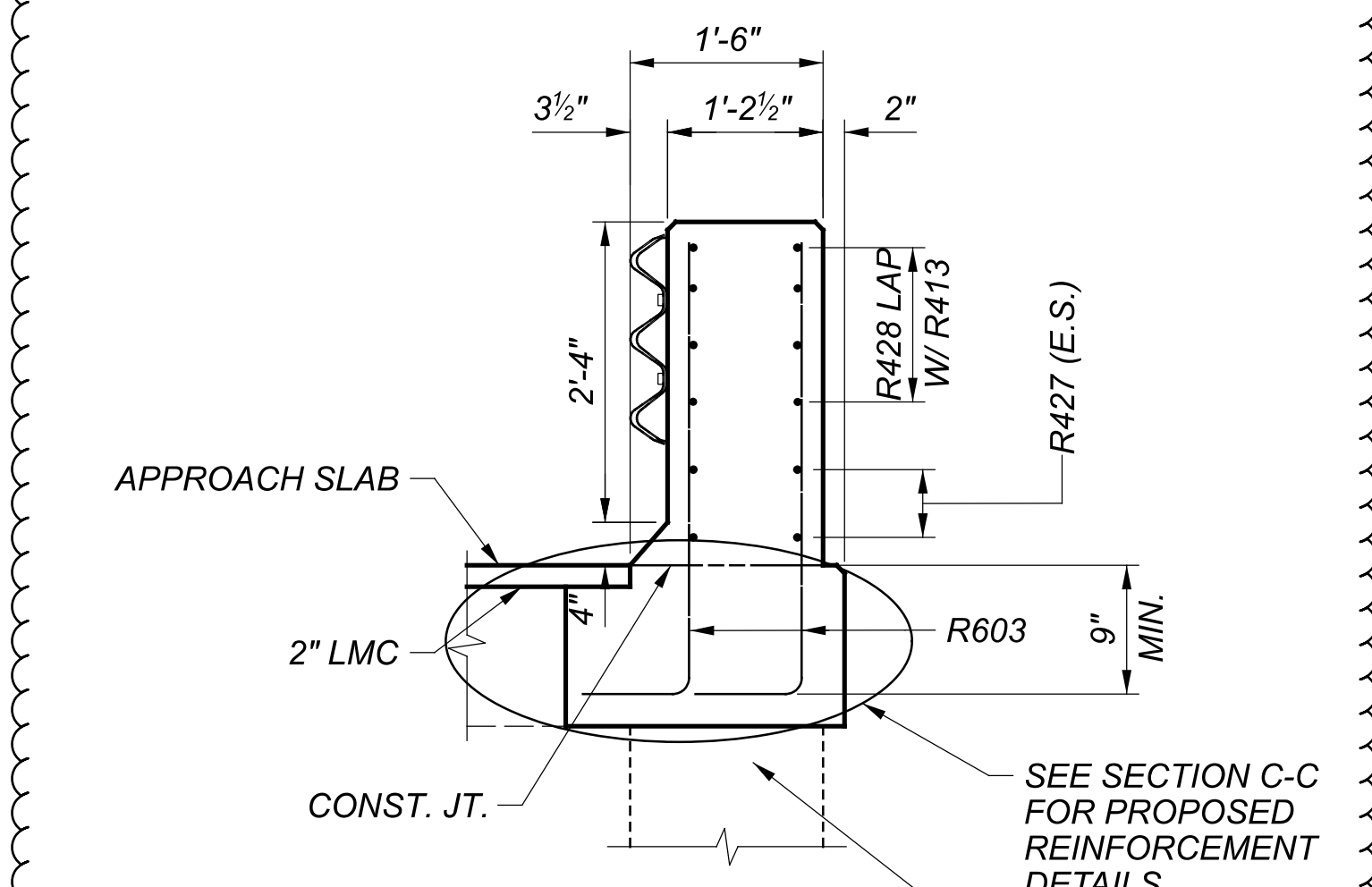
SECTION A-A



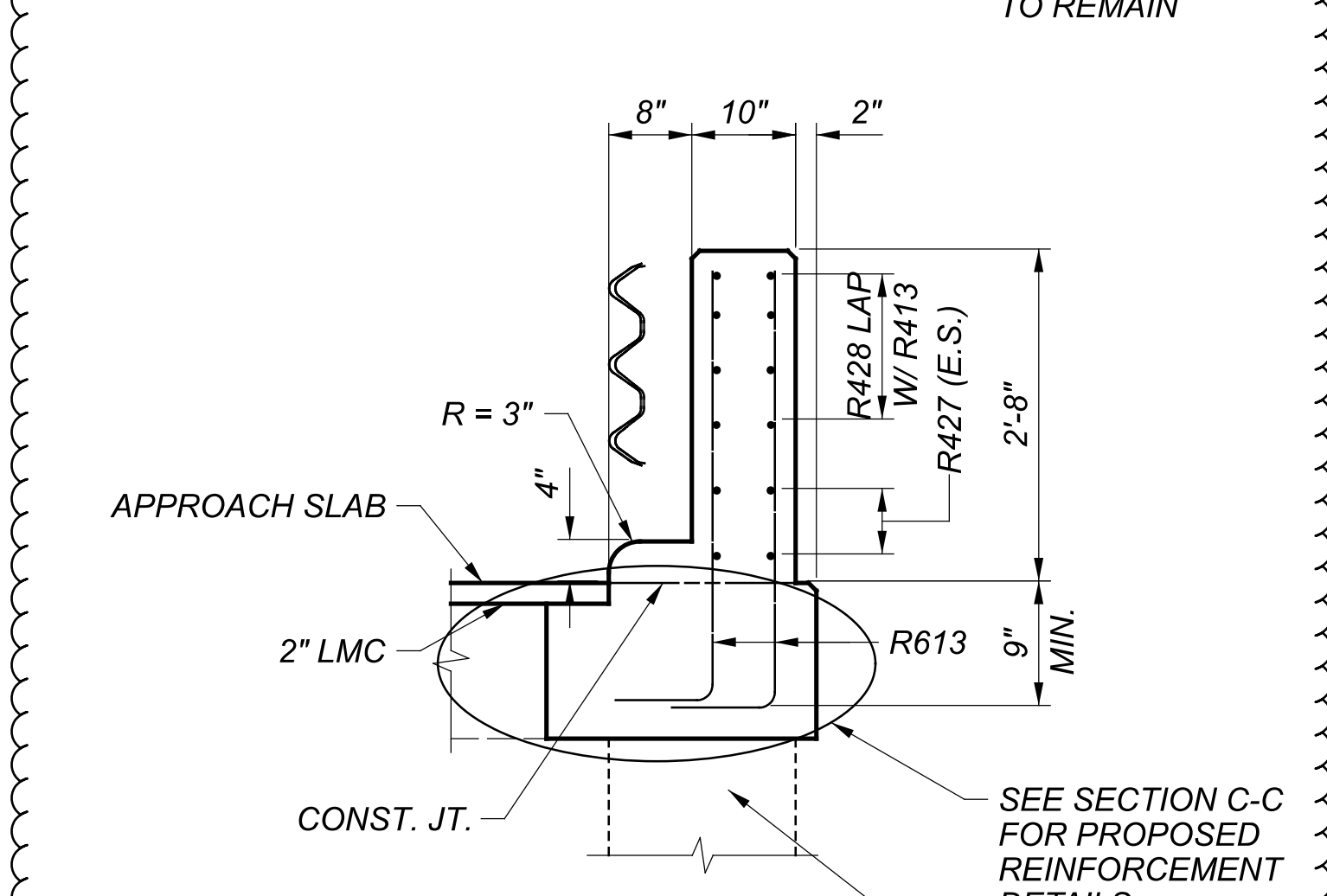
SECTION C-C



SECTION D-D



SECTION E-E

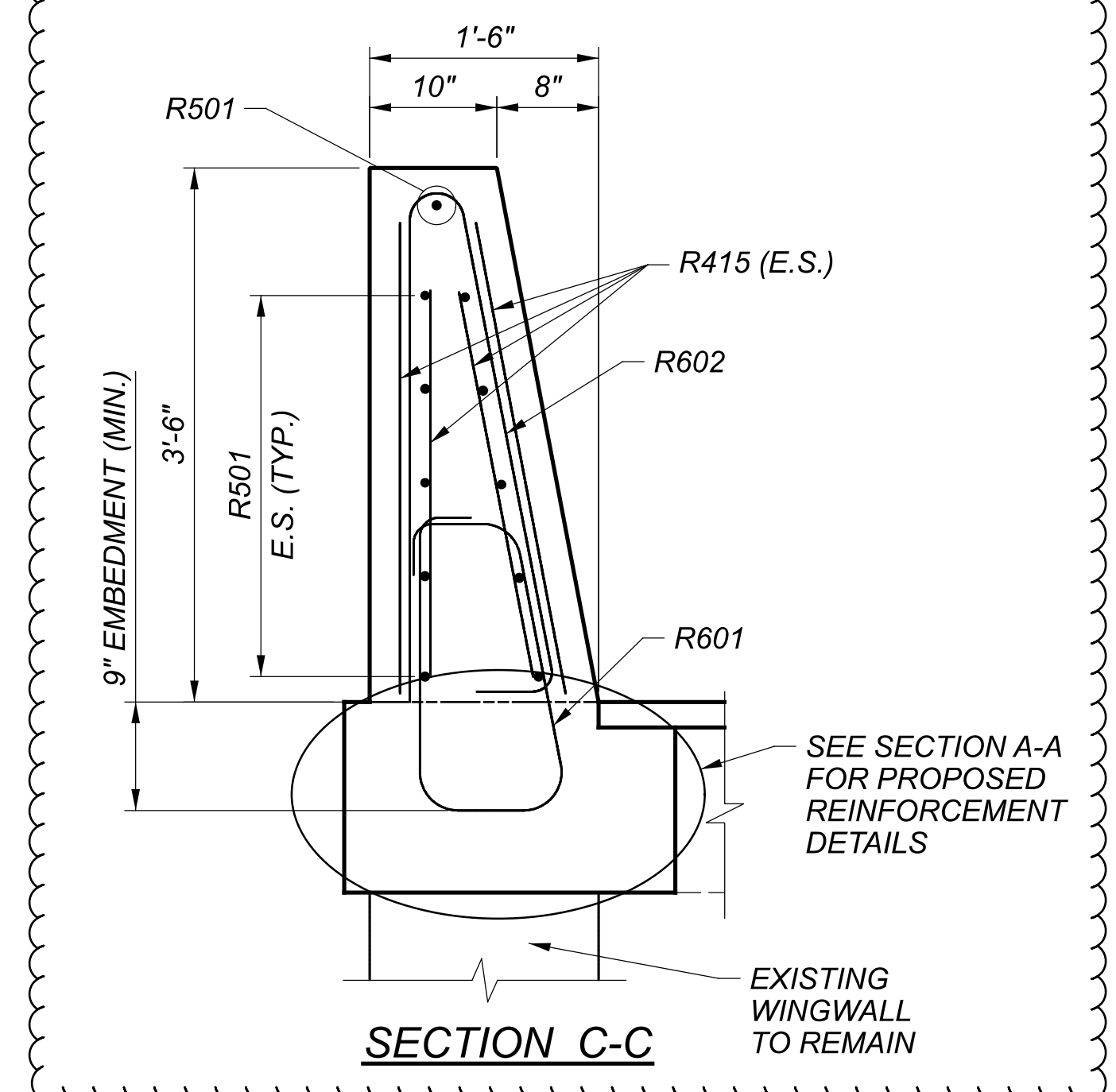
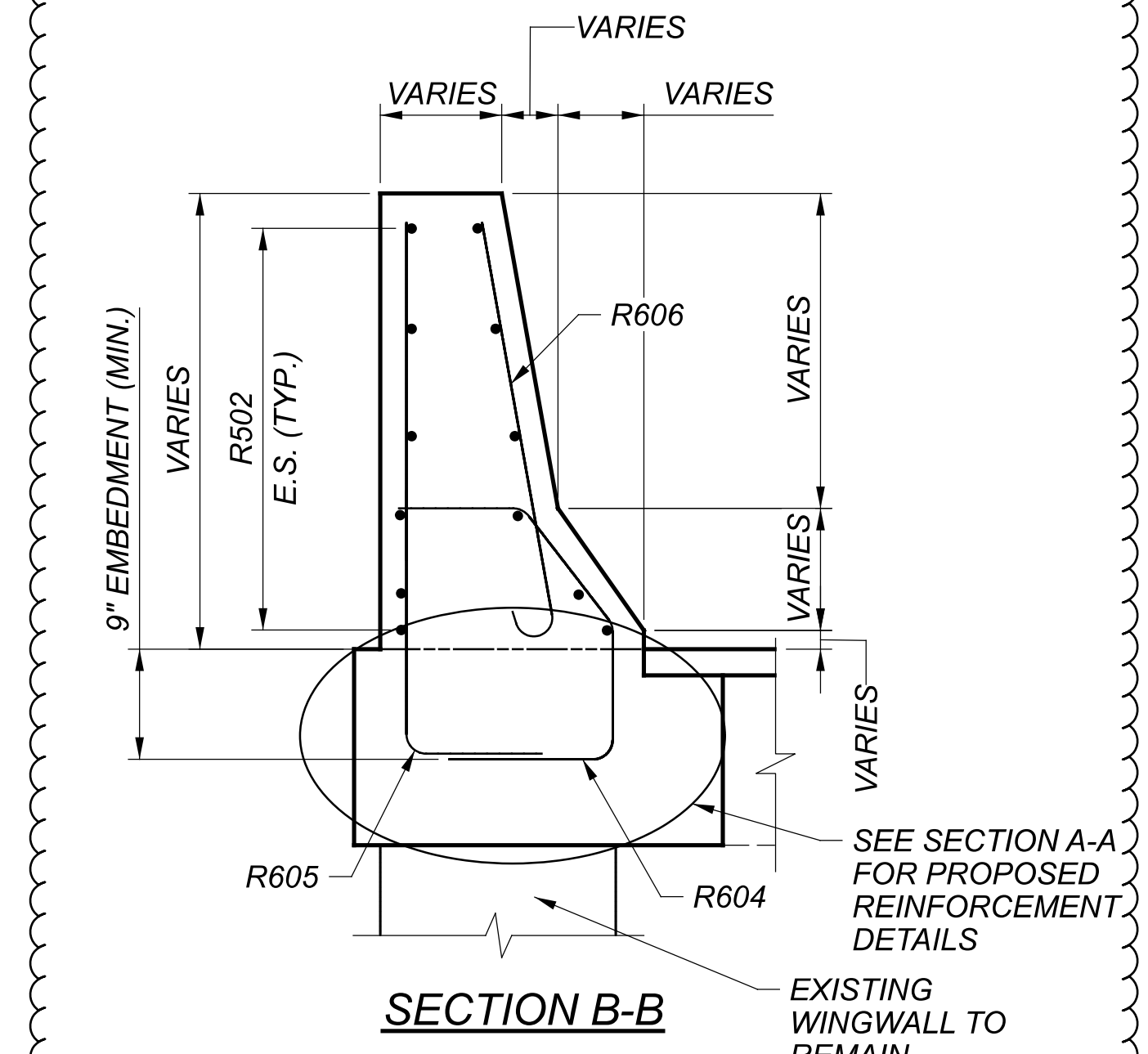
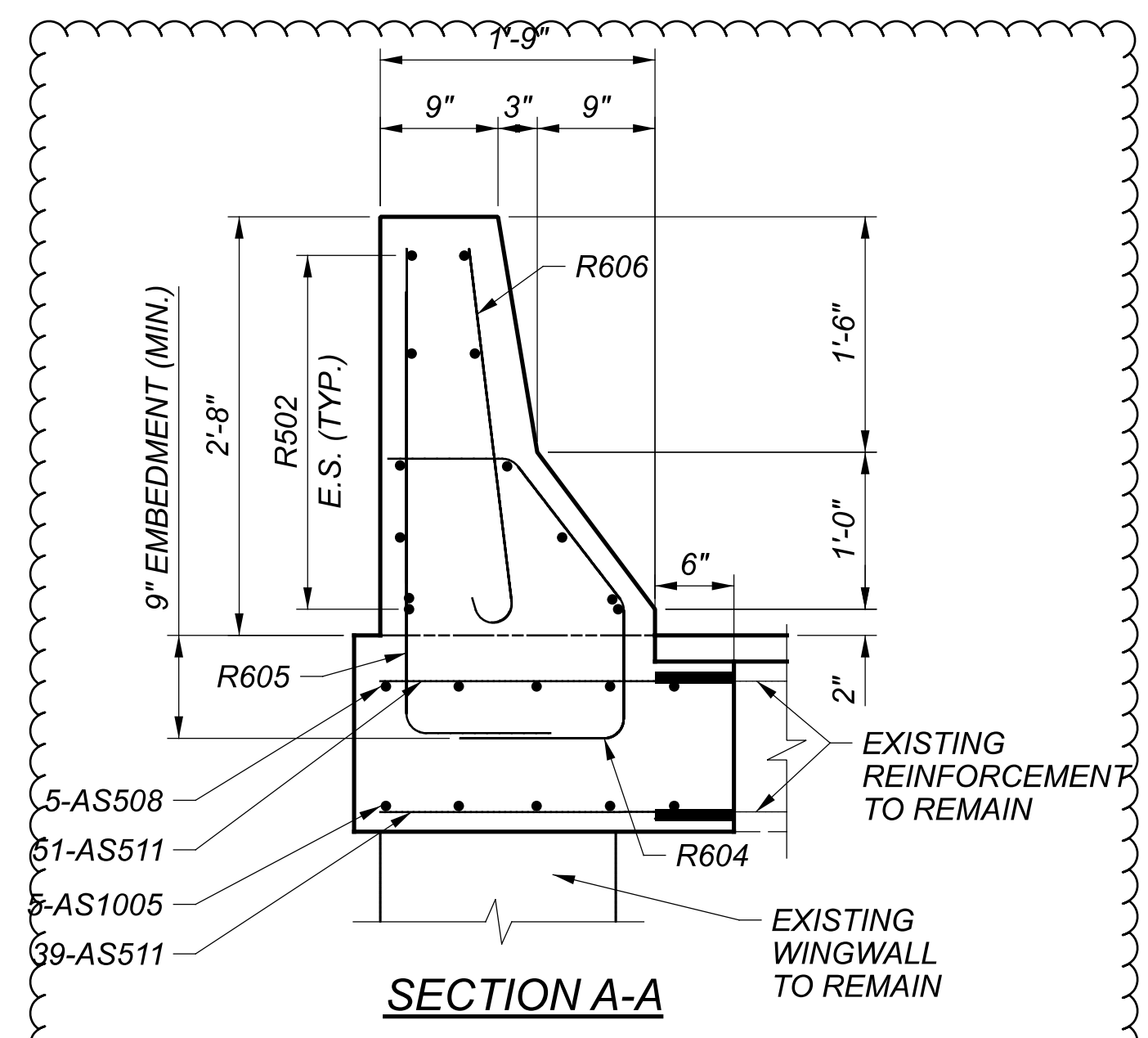
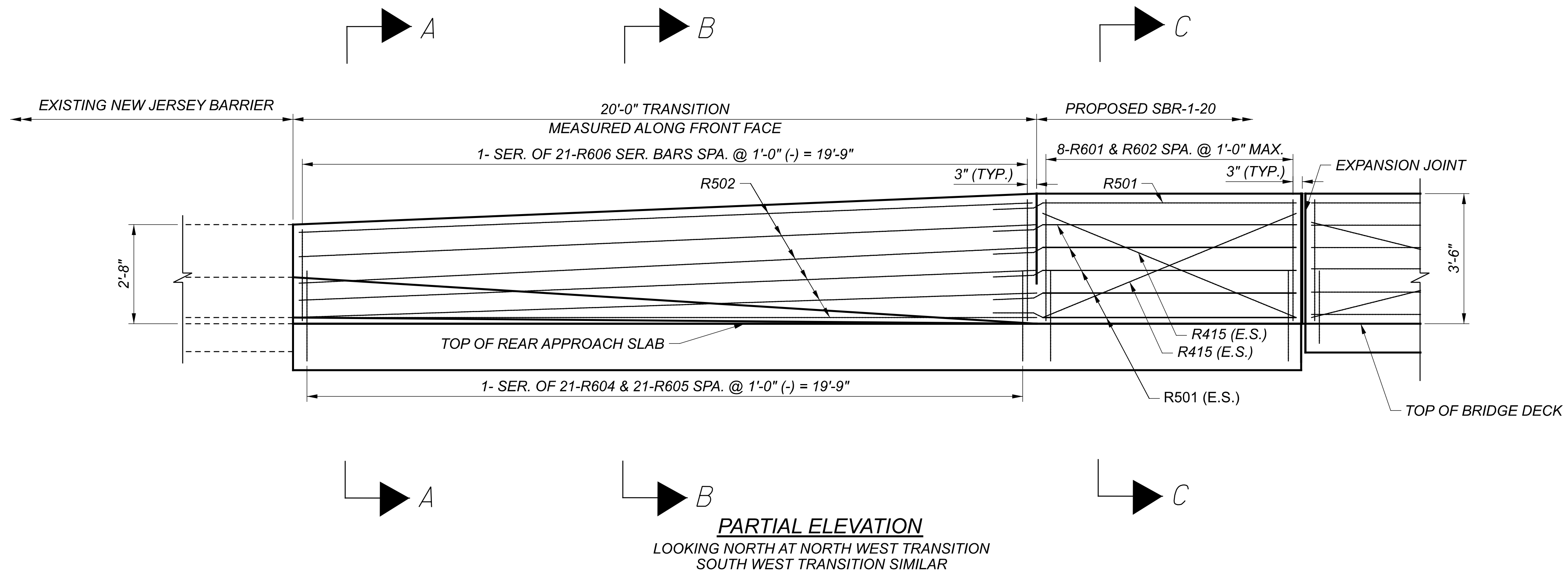
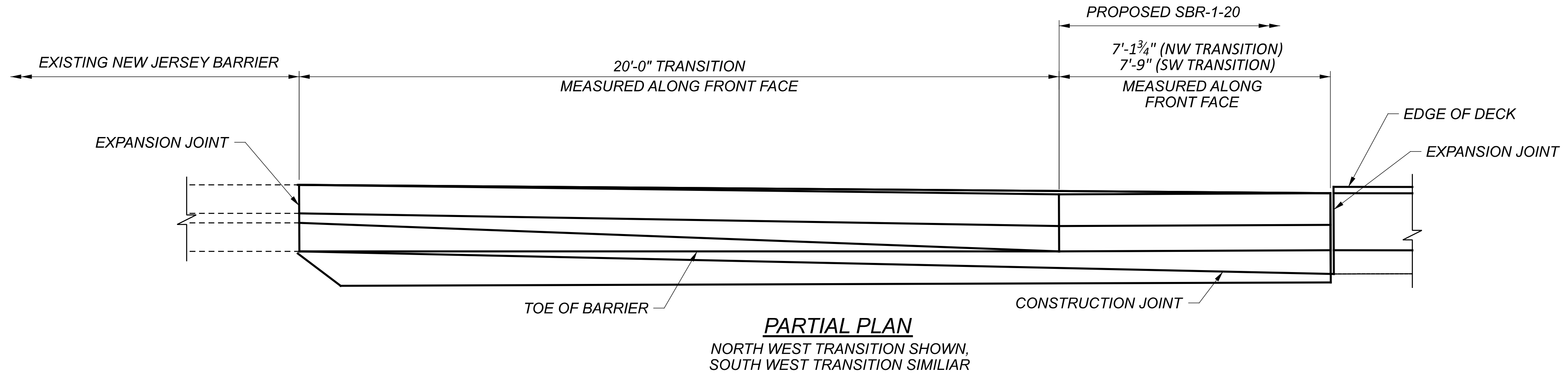


SECTION F-F

NOTE:
 1. SEE STANDARD DRAWING SBR-1-20 FOR ADDITIONAL DETAILS.

OUTSIDE PARAPET DETAILS
 BRIDGE NO. FRA-670-0031
 I-670 OVER CSXT, SCIOTO RIVER, EB RAMP TO I-670

SFN	2504375
DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
CHECKER	
REVIEWER	
PROJECT ID	111641
SUBSET	40
TOTAL	45
SHEET	P.174
TOTAL	P.179



OUTSIDE PARAPET DETAILS
 BRIDGE NO. FRA-670-0031
 I-670 OVER CSXT, SCIOTO RIVER, EB RAMP TO I-670

SFN	2504375	
DESIGN AGENCY	Michael Baker INTERNATIONAL	
DESIGNER	JNR	PJL
CHECKER	JNR	PJL
REVIEWER	NCK 10/31/23	
PROJECT ID	111641	
SUBSET	41	TOTAL 45
SHEET	P.175	TOTAL P.179

MARK	NUMBER TOTAL	LENGTH	WEIGHT (LBS.)	TYPE	DIMENSIONS						SER INC.
					A	B	C	D	E	R	
FORWARD AND REAR ABUTMENTS											
A503	54	2'-6"	141	2							
A504	54	4'-0"	225	2							
A505	14	7'-3"	106	STR.							
A506	14	18'-2"	265	STR.							
A507	14	6'-3"	91	STR.							
A801	54	7'-1"	1027	1							
ABUTMENT SUBTOTAL			1855	LBS.							

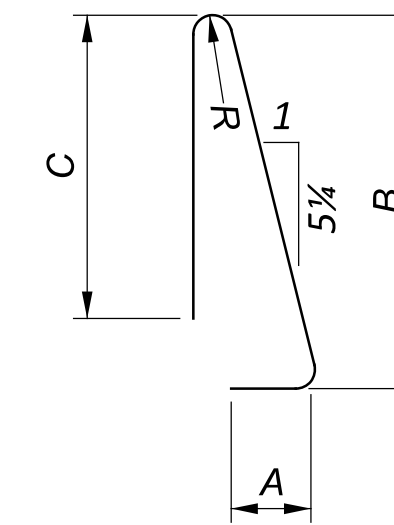
MARK	NUMBER TOTAL	LENGTH	WEIGHT (LBS.)	TYPE	DIMENSIONS						SER INC.
					A	B	C	D	E	R	
EASTBOUND AND WESTBOUND DECKS (MEDIAN AND FASCIA)											
S501	1372	30'-0"	42930	STR.							
S503	35	24'-3"	885	STR.							
S504	35	23'-0"	840	STR.							
S505	7	26'-8"	195	STR.							
S506	7	17'-4"	127	STR.							
S507	7	22'-0"	161	STR.							
S508	7	28'-9"	210	STR.							
S612	957	8'-2"	11739	17	6'-10"						
S613	962	7'-4"	10596	17	6'-0"						
S614	SER. OF	3'-8"	49	STR.							7 7/8"
	9				6'-3"						
	1				1'-3"						
S616	SER. OF	5'-4"	72	17							8 1/8"
	9				6'-8"						
	2				1'-0"						
S619	SER. OF	4'-7"	110	17							7 9/16"
	8				5'-5"						
S701	3838	4'-10"	37917	STR.							
S702	957	7'-8"	14997	16	6'-10"						
S703	957	6'-10"	13367	STR.							
S704	962	6'-10"	13437	16	6'-0"						
S705	962	6'-0"	11798	STR.							
S706	SER. OF	3'-8"	133	STR.							7 7/8"
	9				6'-3"						
	2				1'-5"						
S707	SER. OF	4'-2"	152	STR.							8 1/8"
	9				6'-10"						
	2				1'-3"						
S708	SER. OF	4'-0"	146	STR.							8 1/8"
	9				6'-8"						
S709	1926	2'-1"	8202	STR.							
S710	1926	2'-11"	11482	16	2'-1"						
S711	2	1'-0"	4	STR.							
S712	4	1'-1"	9	STR.							
S713	SER. OF	3'-3"	210	STR.							7 9/16"
	8				5'-5"						
	2				1'-2"						
S714	SER. OF	4'-0"	147	STR.							8 1/2"
	9				6'-10"						
	8				1'-10"						
S717	SER. OF	2'-2"	243	STR.							13/16"
	7				2'-5"						
	4				1'-3"						
S718	SER. OF	3'-7"	232	STR.							7 7/8"
	8				5'-10"						
S719	12	1'-11"	47	STR.							
S720	8	3'-2"	52	STR.							
S721	32	3'-2"	207	STR.							
DECK SUBTOTAL			180693	LBS.							

MARK	NUMBER TOTAL	LENGTH	WEIGHT (LBS.)	TYPE	DIMENSIONS						SER INC.
					A	B	C	D	E	R	
EASTBOUND AND WESTBOUND PARAPETS											
S601	3649	7'-2"	39279	35	0'-9"						
S602	3649	7'-1"	38799	23	0'-6"	3'-3"				0'-2"	
S603	44	4'-5"	295	1	1'-0"	3'-8"					
S604	42	3'-2"	200	14	1'-0"	0'-11"	0'-8"	0'-6"	0'-7"		
S605	42	4'-5"	281	1	1'-0"	3'-8"					
S606	42	3'-1"	195	16	2'-5"						
S607	100	6'-2"	927	14	1'-0"	0'-9"	3'-4"	0'-8"	1'-3"		
S608	16	7'-2"	172	14	1'-0"	0'-9"	3'-4"	0'-8"	2'-3"		
S609	4	7'-8"	46	14	1'-0"	0'-9"	3'-4"	0'-8"	2'-9"		
S613	16	4'-1"	98	1	1'-0"	3'-3"					
PARAPET SUBTOTAL			80292	LBS.							

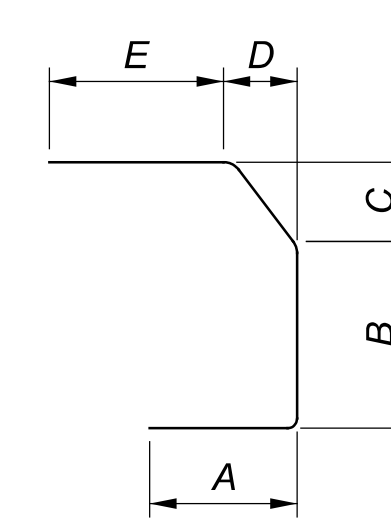
MARK	NUMBER TOTAL	LENGTH	TOTAL LENGTH	WEIGHT (LBS.)	TYPE	DIMENSIONS						SER INC.
						A	B	C	D	E	R	
EASTBOUND AND WESTBOUND PARAPETS (GFRP ONLY)												
R401	176	28.58	5030.67		STR.							
R402	154	28.00	4312.00		STR.							
R403	176	28.25	4972.00		STR.							
R404	154	28.75	4427.50		STR.							
R405	8	12.83	102.67		STR.							
R406	1248	10.00	12480.00		STR.							
R407	8	10.33	82.67		STR.							
R408	8	13.00	104.00		STR.							
R409	8	13.67	109.33		STR.							
R410	4	16.50	66.00		STR.							
R411	4	14.00	56.00		STR.							
R412	22	17.50	385.00		STR.							
R413	12	5.08	61.00		STR.							
R414	12	6.33	76.00	25	2	2'-5"	1'-5"	0'-1"	0'-5"			
R415	8	7.00	56.00		STR.							
R416	6	24.25	145.50		STR.							
R417	6	28.75	172.50		STR.							
R418	2	24.50	49.00		STR.							
R419	2	29.00	58.00		STR.							
R420	24	0.83	20.00		STR.							
R421	6	24.08	144.50		STR.							
R422	6	27.17	163.00		STR.							
R423	2	24.33	48.67		STR.							
R424	2	27.00	54.00		STR.							
R425	638	29.33	18714.67		STR.							
R426	16	14.17	226.67		STR.							
R427	24	10.00	240.00		STR.							
R501	22	8.83	194.33		STR.							
R502	24	19.67	472.00		STR.							
GRFP SUBTOTAL			53023.67									

MARK	NUMBER TOTAL	LENGTH	WEIGHT (LBS.)	TYPE	DIMENSIONS						SER INC.
					A	B	C	D	E	R	
FORWARD AND REAR APPROACH SLAB (FOR INFORMATION ONLY)											
AS505	22	5'-0"	115	STR.							
AS506	28	24'-10"	725	STR.							
AS507	180	22'-2"	4162	STR.							
AS508	48	24'-9"	1239	STR.							
AS510	4	6'-0"	25	STR.							
AS511	360	2'-0"	751	STR.							
AS1002	9	7'-5"	287	STR.							
AS1005	68	26'-2"	7657	16	24'-9"						
APPROACH SLAB SUBTOTAL			14961								

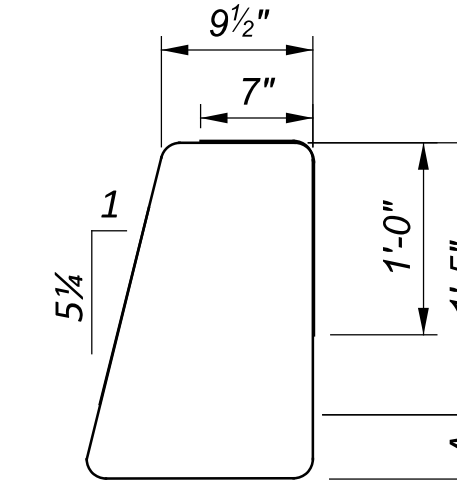
MARK	NUMBER TOTAL	LENGTH	WEIGHT (LBS.)	TYPE	DIMENSIONS						SER INC.
					A	B	C	D	E	R	
PIER											
P501	32	14'-0"	467	STR.							
P1001	15	31'-0"	2001	STR.							
P1002	15	8'-0"	516	STR.							
P1003	15	6'-8"	430	1	6'-0"	1'-0"					
PIER SUBTOTAL			3414	LBS.							



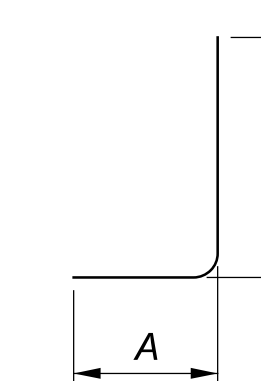
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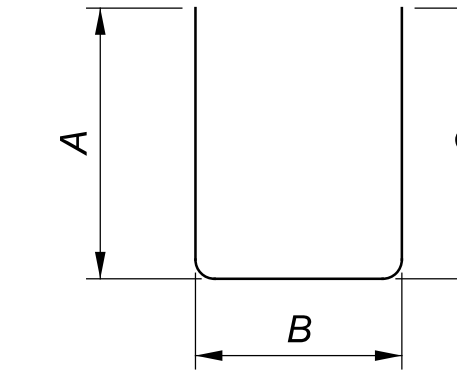
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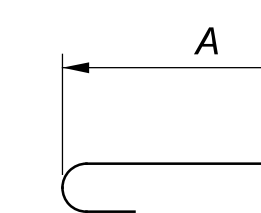
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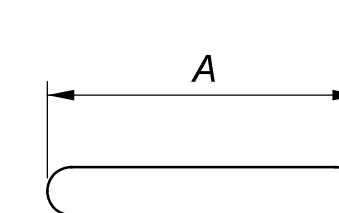
TYPE-1



TYPE-2



TYPE-16



TYPE-17

NOTES

- ALL BARS SHALL BE EPOXY COATED, UNLESS OTHERWISE NOTED.
- LENGTHS ARE RECORDED IN FEET - INCHES.
- TYPE "STR" INDICATES STRAIGHT BAR.
- REFER TO C&MS SEC. 509.05 FOR STANDARD BEND DIMENSION
- THE BAR SIZE NUMBER IS SPECIFIED IN THE "MARK" COLUMN. THE FIRST DIGIT INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, EA501 IS A #5 BAR SIZE.
- R INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
- USE STANDARD HOOKS FOR ENDS OF BARS NOT SPECIFICALLY DIMENSIONED IN DETAILS.
- SUBTOTALS AND TOTAL WEIGHTS ARE FOR INFORMATIONAL PURPOSES ONLY. IF THE REINFORCING LIST PROVIDED IN THE PLANS IS USED IT SHALL BE VERIFIED BY THE CONTRACTOR. ANY REVISIONS IN THE REINFORCING STEEL LIST AS SHOWN IN THE PLANS WILL NOT BE REASON FOR ADJUSTMENT IN THE BID PRICE FOR STRUCTURAL CONCRETE.

SFN 2504375

DESIGN AGENCY

Michael Baker INTERNATIONAL

DESIGNER CHECKER
AYW PJL

REVIEWER
NCK 02/01/24

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