

MAINTENANCE OF TRAFFIC GENERAL NOTES

ITEM 614, MAINTAINING TRAFFIC

I.R. 77 & I.R. 90 - GENERAL
A MINIMUM OF 3 LANES OF TRAFFIC IN EACH DIRECTION ON INTERSTATE ROUTES 77 AND 90 SHALL BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410, AND 614. SEE BELOW FOR EXCEPTIONS TO THESE LANE REQUIREMENTS.

I.R. 77 / I.R. 90 INTERCHANGE RAMP - GENERAL
THE INTERCHANGE RAMP FROM I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND AND FROM I.R. 77 NORTHBOUND TO I.R. 90 EASTBOUND MUST BE MAINTAINED AT ALL TIMES BY USE OF THE EXISTING PAVEMENT, THE COMPLETED PAVEMENT, ITEM 615 PAVEMENT FOR MAINTAINING TRAFFIC, ITEM 615 ROADS FOR MAINTAINING TRAFFIC, AND TEMPORARY SURFACES USING ITEMS 410, AND 614. SEE BELOW FOR EXCEPTIONS TO THESE LANE REQUIREMENTS.

E. 14TH ST. - PHASE 1
E. 14TH ST. MAY BE CLOSED BETWEEN CARNEGIE AVE. AND ORANGE AVE. FOR A PERIOD NOT TO EXCEED 150 CALENDAR DAYS (5 MONTHS) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 100
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

COMMUNITY COLLEGE AVE. - PHASE 1
COMMUNITY COLLEGE AVE. MAY BE CLOSED BETWEEN E. 14TH ST. AND E. 22ND ST. FOR A PERIOD NOT TO EXCEED 150 CALENDAR DAYS (5 MONTHS) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 100
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

I.R. 77 NORTHBOUND TO E. 14TH ST./E. 22ND ST. EXIT RAMP (RAMP 162B) - PHASE 1
I.R. 77 NORTHBOUND TO E. 14TH ST./E. 22ND ST. EXIT RAMP MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 150 CALENDAR DAYS (5 MONTHS) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 101
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE RAMP REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

I.R. 90 EASTBOUND TO E. 9TH ST. EXIT RAMP (RAMP 172A) - PHASE 1 OR PHASE 2
I.R. 90 EASTBOUND TO E. 9TH ST. EXIT RAMP MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 30 CALENDAR DAYS (1 MONTH) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 102
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE RAMP REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

E. 22ND ST. - PHASE 2
E. 22ND ST. MAY BE CLOSED BETWEEN CARNEGIE AVE. AND CENTRAL AVE. FOR A PERIOD NOT TO EXCEED 365 CALENDAR DAYS (12 MONTHS) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 103
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

CARNEGIE AVE. - PHASE 3 THROUGH PHASE 10
CARNEGIE AVE. MAY BE CLOSED BETWEEN E. 22ND ST. AND E. 28TH ST. FOR A PERIOD NOT TO EXCEED 1,920 CALENDAR DAYS (64 MONTHS) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 106 DURING PHASE 3 THROUGH PHASE 6
TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 111 DURING PHASE 7 THROUGH PHASE 10.
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

PROSPECT AVE. TO I.R. 90 EASTBOUND AND I.R. 90 WESTBOUND ENTRANCE RAMP - PHASE 3 THROUGH PHASE 10
THE PROSPECT AVE. TO I.R. 90 EASTBOUND AND I.R. 90 WESTBOUND ENTRANCE RAMP MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 1,920 CALENDAR DAYS (64 MONTHS) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 107
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE RAMP REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

ITEM 614, MAINTAINING TRAFFIC (CONTINUED)

E. 21ST ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP - PHASE 3 AND PHASE 4
E. 21ST ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 660 CALENDAR DAYS (22 MONTHS). WHILE THE E. 14TH ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP IS OPEN, TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 105
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE RAMP REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

E. 21ST ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP AND E. 14TH ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP - PHASE 4
THE E. 21ST ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP AND E. 14TH ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP MAY NOT BE CLOSED CONCURRENTLY FOR MORE THAN 365 CALENDAR DAYS (12 MONTHS). WHEN THE E. 21ST ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP AND THE E. 14TH ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP ARE CLOSED CONCURRENTLY, TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 108
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THAT BOTH RAMPS REMAIN CLOSED BEYOND THE SPECIFIED LIMIT.

I.R. 90 - BRIDGE 9 CONSTRUCTION - PHASE 4
IN ORDER TO ERECT AND SET STEEL GIRDERS FOR BRIDGE 9, 4 WEEKEND CLOSURES (FRIDAY 8:00PM THROUGH MONDAY 4:00AM) OF I.R. 90 ARE PERMITTED WITH THE APPROVAL OF THE ENGINEER. TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 109
A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$XXXX PER DAY FOR EACH CALENDAR DAY THE ROADWAY REMAINS CLOSED TO TRAFFIC BEYOND THE SPECIFIED LIMIT.

I.R. 77 NORTHBOUND TO E. 22ND ST. EXIT RAMP (EXIT 162B) - PHASE 7
I.R. 77 NORTHBOUND TO E. 22ND ST. EXIT RAMP MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 30 CALENDAR DAYS (1 MONTH) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 110
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE RAMP REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

I.R. 77 NORTHBOUND TO E. 14TH ST. SOUTHBOUND EXIT RAMP (EXIT 163A) - PHASE 9
I.R. 77 NORTHBOUND TO E. 14TH ST. SOUTHBOUND EXIT RAMP MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 30 CALENDAR DAYS (1 MONTH) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 112
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE RAMP REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

I.R. 90 EASTBOUND TO E. 9TH ST. NORTHBOUND EXIT RAMP (EXIT 172A) - PHASE 9
I.R. 90 EASTBOUND TO E. 9TH ST. NORTHBOUND EXIT RAMP MAY BE CLOSED FOR A PERIOD NOT TO EXCEED 30 CALENDAR DAYS (1 MONTH) AND TRAFFIC MAY BE DETOURED AS SHOWN ON SHEET 113
A DISINCENTIVE OF \$XXXX PER DAY SHALL BE ASSESSED FOR EACH CALENDAR DAY THE RAMP REMAINS CLOSED BEYOND THE SPECIFIED LIMIT.

I.R. 90 FULL ROADWAY CLOSURES - VARIOUS PHASES
FULL OR PARTIAL ROADWAY CLOSURES OF I.R. 90 WILL BE REQUIRED TO PERFORM THE FOLLOWING WORK:
1. DEMOLISHING THE FOLLOWING BRIDGES:
EX. E. 22ND ST. BRIDGE OVER I.R. 90 - PHASE 2
EX. CEDAR AVE. BRIDGE OVER I.R. 90 - PHASE 2
EX. CARNEGIE AVE. BRIDGE OVER I.R. 90 - PHASE 3

2. CONSTRUCTING AND PAINTING THE FOLLOWING BRIDGES:
BRIDGE 13 (E. 22ND ST. BRIDGE OVER I.R. 90) - PHASE 2
BRIDGE 14 (CARNEGIE AVE. BRIDGE OVER I.R. 90) - PHASE 10
BRIDGE 16 (E. 22ND ST. WEST BRIDGE OVER I.R. 90 EASTBOUND) - PHASE 10

I.R. 90 WILL BE CLOSED FROM THE I.R. 71 / I.R. 490 INTERCHANGE AT THE SOUTHERN LIMIT TO THE I.R. 90 / S.R. 2 INTERCHANGE AT THE NORTHERN LIMIT. TRAFFIC WILL BE DETOURED VIA E. 55TH ST. TO I.R. 490 TO I.R. 71. CLOSURE TO BE IMPLEMENTED USING LAW ENFORCEMENT, PORTABLE CHANGEABLE MESSAGE SIGNS, AND PUBLIC INFORMATION CAMPAIGNS.

THE CONTRACTOR SHALL COORDINATE ALL INTERSTATE CLOSURES WITH ODOT AND PROVIDE NOTIFICATION TO ALL ENTITIES LISTED IN THE "NOTIFICATIONS" NOTE.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS FOURTH OF JULY
NEW YEAR'S LABOR DAY
MEMORIAL DAY THANKSGIVING

ITEM 614, MAINTAINING TRAFFIC (CONTINUED)

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

DAY OF HOLIDAY OR EVENT	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00AM FRIDAY
THURSDAY (THANKSGIVING ONLY)	6:00AM WEDNESDAY THROUGH 6:00AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE AS SPECIFIED ABOVE IN THIS NOTE.

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.

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 MM-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.

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN SIGNS AND SIGN SUPPORTS, AS DETAILED IN THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND TYPE III BARRICADES OF THE TYPE AND LOCATION AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS AND DETOUR SHEETS.

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.

ITEM 614, MAINTAINING TRAFFIC (ESTIMATED QUANTITIES)

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC.

ITEM 410 - TRAFFIC COMPACTED SURFACE, TYPE C	68 CU. YD.
ITEM 616 - WATER	50 M. GAL.

NOTIFICATION

THE CONTRACTOR SHALL NOTIFY IN WRITING THE FOLLOWING AGENCIES AT LEAST TWO WEEKS PRIOR TO THE START OF CONSTRUCTION AND BEFORE IMPLEMENTING ANY SUBSTANTIAL CHANGE IN TRAFFIC PATTERN OR CLOSING ANY STREET TO TRAFFIC:

THE OHIO DEPARTMENT OF TRANSPORTATION - DISTRICT 12 - PUBLIC INFORMATION OFFICER
CLEVELAND WATER POLLUTION CONTROL
THE CITY OF CLEVELAND DIVISION OF TRAFFIC ENGINEERING, DEPARTMENT OF PUBLIC WORKS, DEPARTMENT OF PUBLIC SAFETY, DEPARTMENT OF PUBLIC UTILITIES, AND BOARD OF EDUCATION
THE NORTHEAST OHIO REGIONAL SEWER DISTRICT

THE CONTRACTOR SHALL ALSO NOTIFY IN WRITING THE FOLLOWING ENTITIES AT LEAST TWO WEEKS PRIOR TO ANY ACCESS CHANGES:

ST. VINCENT CHARITY MEDICAL CENTER
OHIO FIRST CLASS CREDIT UNION
CLEVELAND STATE UNIVERSITY
CENTRAL CADILLAC
WALKER & WEEKS

GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY COORDINATION

THE APPROPRIATE GREATER CLEVELAND REGIONAL TRANSIT AUTHORITY (GCRTA) REPRESENTATIVE SHOULD BE INVITED TO THE PROJECTS PRE-CONSTRUCTION CONFERENCE.

IMMEDIATE/URGENT CONSTRUCTION 216-566-5135

OPERATIONS DIVISION - DIRECTOR OF SERVICE MANAGEMENT
JOEL FREILICH 216-356-3018 JFREILICH@GCRTA.ORG

THE PROJECT SPONSOR OR CONTRACTOR SHOULD CONTACT GCRTA AND PROVIDE A WRITTEN NOTIFICATION FOURTEEN (14) DAYS PRIOR TO ANY CONSTRUCTION THAT WILL AFFECT NEARBY BUS STOPS OR SERVICE.

THE CONTRACTOR SHALL NOTIFY GCRTA AT LEAST FIVE (5) BUSINESS DAYS IN ADVANCE OF ALL STREET CLOSURES AFFECTING TRANSIT OPERATIONS REGARDLESS OF THE DURATION OF CLOSURE.

THE CONTRACTOR SHALL WORK WITH GCRTA TO ESTABLISH AN APPROVED TEMPORARY BUS STOP LOCATION.

GCRTA WILL PROVIDE AND POST THE APPROPRIATE TEMPORARY BUS SIGNAGE.

THE CONTRACTOR SHALL NOTIFY GCRTA AT LEAST FIVE (5) BUSINESS DAYS IN ADVANCE OF CONSTRUCTION COMPLETION SO THAT PERMANENT BUS STOP SIGNS CAN BE RE-INSTALLED BY GCRTA.

THE CONTRACTOR SHALL NOT REMOVE ANY BUS STOP SIGNS WITHOUT PRIOR AUTHORIZATION FROM GCRTA.

CEDAR AVE. WILL BE CLOSED BETWEEN CARNEGIE AVE. AND E. 28TH ST. WHICH WILL IMPACT THE NO. 8 - CEDAR - BUCKEYE BUS ROUTE. FOR TEMPORARY BUS STOP LOCATIONS DURING PHASE 2 THROUGH PHASE 10, SEE SHEET 103

TRENCH FOR WIDENING

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

OVERNIGHT TRENCH CLOSING

THE BASE WIDENING SHALL BE COMPLETED TO A DEPTH OF NO MORE THAN 18 INCHES BELOW THE EXISTING PAVEMENT BY THE END OF EACH WORK DAY. NO TRENCH SHALL BE LEFT OPEN OVERNIGHT EXCEPT FOR A SHORT LENGTH (25 FEET OR LESS) OF A WORK SECTION AT THE END OF THE TRENCH. IN CASE WORK MUST BE SUSPENDED BECAUSE OF INCLEMENT WEATHER OR OTHER REASONS, THE TRENCH FOR THE UNCOMPLETED BASE WIDENING SHALL BE BACKFILLED AT THE DIRECTION OF THE ENGINEER.

DESIGN AGENCY

Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

SHEET TOTAL

74 2339

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONTINUED)

PERMITTED LANE CLOSURE SCHEDULE (PLCS)

LANE CLOSURE(S) SHALL CONFORM TO THE PLCS. PUBLISHED PLCS INFORMATION CAN BE FOUND ON THE ODOT WEBSITE AT: [HTTPS://WWW.TRANSPORTATION.OHIO.GOV/WPS/PORTAL/GOV/ODOT/WORKING/DATA-TOOLS/RESOURCES/PERMITTED-LANE-CLOSURE](https://www.transportation.ohio.gov/wps/portal/gov/odot/working/data-tools/resources/permited-lane-closure)

THE MONTHLY PUBLISHED SCHEDULES REQUIRED TO BE USED, FOR EACH PLCS SEGMENT WITHIN THE PROJECT AREA, ARE THOSE THAT COMPRISE THE CONSECUTIVE 12-MONTH PERIOD BEGINNING 15 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE AND ENDING 4 MONTHS PRIOR TO THE MONTH AND YEAR OF SALE. THESE SAME 12 MONTHS APPLY FOR THE LIFE OF THE PROJECT AND SHALL BE APPLIED TO EACH RESPECTIVE MONTH OF CONSTRUCTION (MONTH OF LANE CLOSURE(S) SHALL MATCH MONTH OF PLCS USED). LANE CLOSURE(S) IN PLACE FOR MULTIPLE MONTHS SHALL ALWAYS COMPLY WITH THE CURRENT RESPECTIVE MONTH.

MORE RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE AT THE DISCRETION OF THE ENGINEER IN ORDER TO COMPLY WITH THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)).

LESS RESTRICTIVE CHANGES TO THE ALLOWABLE LANE CLOSURE HOURS ARE SUBJECT TO THE TRAFFIC MANAGEMENT IN WORK ZONES POLICY (21-008(P)) AND STANDARD PROCEDURE (123-001(SP)) AND SHALL NOT BE IMPLEMENTED UNTIL, AND UNLESS, APPROVED BY THE PROPER ODOT AUTHORITY.

ALLOWABLE LANE CLOSURE HOURS FOR FACILITIES NOT COVERED BY THE PLCS, IF ANY, SHALL BE AS SPECIFIED ELSEWHERE IN THE PLANS.

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

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

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

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

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

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

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

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

ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN

THE CONTRACTOR SHALL USE ANCHORED PCB-91 MANUFACTURED PRIOR TO DECEMBER 31, 2019, EASI-SET WORLDWIDE TEMPORARY BARRIER, OR APPROVED EQUAL. THIS ITEM SHALL BE USED FOR THE TEMPORARY BARRIER LOCATIONS WHERE ANCHORING IS REQUIRED. ADDITIONAL DETAILS ON THE EASI-SET WORLDWIDE TEMPORARY BARRIER CAN BE FOUND ON ODOT'S QUALIFIED PRODUCTS LIST.

DUST CONTROL

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

ITEM 616 - WATER	2377 M. GAL.
ITEM 616 - CALCIUM CHLORIDE	6 TON

ITEM 614, REPLACEMENT SIGN

FLATSHEET SIGNS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT SIGNS SHALL BE NEW. OTHER MATERIALS MAY BE IN USED, BUT GOOD, CONDITION SUBJECT TO APPROVAL BY THE ENGINEER.

PAYMENT FOR THE NEW SIGNS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF DAMAGED SIGNS, HARDWARE AND SUPPORTS, AND PROVIDING THE NECESSARY REPLACEMENT HARDWARE, SUPPORTS, ETC.

ITEM 614, REPLACEMENT DRUM

DRUMS FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE PLANS, SPECIFICATIONS AND PROPOSAL WHICH BECOME DAMAGED BY TRAFFIC FOR REASONS BEYOND THE CONTROL OF THE CONTRACTOR SHALL BE REPLACED IN KIND WHEN ORDERED BY THE ENGINEER. REPLACEMENT DRUMS SHALL BE NEW.

PAYMENT FOR THE NEW DRUMS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC, AND SHALL INCLUDE THE COST OF REMOVING AND DISPOSING OF THE DAMAGED DRUM, AND PROVIDING AND MAINTAINING THE REPLACEMENT DRUM IN ACCORDANCE WITH THE CONTRACT REQUIREMENTS FOR THE ORIGINAL DRUM.

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.

ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM

THIS WORK SHALL CONSIST OF FURNISHING, ERECTING, OPERATING, MAINTAINING AND REMOVING A WORK ZONE LIGHTING SYSTEM FOR A SINGLE CROSSOVER, OR OVERLAPPING A PAIR OF CROSSOVERS. THE SYSTEM SHALL BE AS SHOWN ON TRAFFIC SCD MT-100.00. THE CONTRACTOR SHALL ARRANGE FOR AND PAY FOR POWER. ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH APPLICABLE PORTIONS OF 625 AND 725 EXCEPT: THE PERFORMANCE TEST OF 625.19F, AND CERTIFIED DRAWING REQUIREMENT OF 625.06, ARE WAIVED AND USED MATERIALS IN GOOD CONDITION ARE ACCEPTABLE.

POLES WHICH ARE NOT PROTECTED BY GUARDRAIL OR PORTABLE BARRIER SHALL BE LOCATED OUTSIDE THE CLEAR ZONE, AND SHOULD BE LOCATED AT LEAST 30 FEET (PREFERABLY 40 FEET) FROM THE EDGE OF PAVEMENT WHEN POSSIBLE. ADDITIONAL POLE LINES, CABLES AND APPURTENANCES NECESSARY TO FURNISH POWER TO THE LIGHTING SYSTEM SHALL BE INCLUDED IN THIS ITEM. SERVICE POLES SHALL BE POSITIONED WITH THE SAME CONSTRAINTS AS THE LIGHTING POLES AS A MINIMUM.

PAYMENT WILL BE MADE AT THE UNIT PRICE PER EACH FOR ITEM 614, WORK ZONE CROSSOVER LIGHTING SYSTEM THROUGHOUT ALL PHASES OF WORK WHEN THE CROSSOVER ROADWAYS ARE USED.

DRUM REQUIREMENTS

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

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

WORK ZONE 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 6 EACH

EARTHWORK FOR MAINTAINING TRAFFIC

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

EXCAVATION FOR MAINTAINING TRAFFIC	34810 CU. YD.
EMBANKMENT FOR MAINTAINING TRAFFIC	800 CU. YD.

WHEN UNDERCUTS ARE NECESSARY FOR MAINLINE PAVEMENT OR EMBANKMENT CONSTRUCTION, EVALUATE THE NEED FOR TEMPORARY ROAD UNDERCUTS IF WITHIN A CLOSE PROXIMITY TO THE MAINLINE UNDERCUTS. A GEOTECHNICAL EVALUATION SHOULD BE CONSIDERED TO DETERMINE IF THE EXISTING SOIL CONDITIONS ARE ADEQUATE TO SUPPORT THE TEMPORARY ROAD. ADDITIONAL SOIL BORINGS ALONG THE TEMPORARY ROAD ARE NOT NORMALLY REQUIRED.

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.

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.

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 PCMS UNIT SHALL BE MAINTAINED IN GOOD WORKING ORDER BY THE CONTRACTOR IN ACCORDANCE WITH THE PROVISIONS OF C&MS 614.07. THE CONTRACTOR SHALL, PRIOR TO ACTIVATING THE UNIT, MAKE ARRANGEMENTS, WITH AN AUTHORIZED SERVICE AGENT FOR THE PCMS, TO ASSURE PROMPT SERVICE IN THE EVENT OF FAILURE. ANY FAILURE SHALL NOT RESULT IN THE SIGN BEING OUT OF SERVICE FOR MORE THAN 12 HOURS, INCLUDING WEEKENDS. FAILURE TO COMPLY MAY RESULT IN AN ORDER TO STOP WORK AND OPEN ALL TRAFFIC LANES AND/OR IN THE DEPARTMENT TAKING APPROPRIATE ACTION TO SAFELY CONTROL TRAFFIC. THE ENTIRE COST TO CONTROL TRAFFIC, ACCRUED BY THE DEPARTMENT DUE TO THE CONTRACTOR'S NONCOMPLIANCE, WILL BE DEDUCTED FROM MONEYS DUE, OR TO BECOME DUE TO THE CONTRACTOR ON HIS CONTRACT.

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 480 SIGN MONTH

ASSUMING 5 PCMS SIGNS FOR 96 MONTHS

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

SHEET

75

TOTAL

2339

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONTINUED)

MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATION

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC SIGNAL/FLASHER INSTALLATIONS WITHIN THE PROJECT UNDER THE FOLLOWING CONDITIONS:

- EXISTING SIGNAL/FLASHER INSTALLATIONS WHICH THE PLANS REQUIRE THE CONTRACTOR TO ADJUST, MODIFY, ADD ONTO OR REMOVE, OR WHICH THE CONTRACTOR ACTUALLY ADJUSTS, MODIFIES OR OTHERWISE DISTURBS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INSTALLATION (AT AN INTERSECTION) FROM THE TIME HIS OPERATIONS FIRST DISTURB THE INSTALLATION UNTIL THE INSTALLATION HAS BEEN SUBSEQUENTLY REMOVED OR MODIFIED AND THE WORK IS ACCEPTED.
- NEW OR REUSED SIGNAL/FLASHER INSTALLATIONS OR DEVICES, INSTALLED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THESE FROM THE TIME OF INSTALLATION UNTIL THE WORK IS ACCEPTED.

THE CONTRACTOR SHALL CORRECT AS QUICKLY AS POSSIBLE ALL OUTAGES OR MALFUNCTIONS. HE SHALL PROVIDE THE MAINTAINING AGENCY AND THE ENGINEER SUCH ADDRESSES AND PHONE NUMBERS WHERE HIS MAINTENANCE FORCES CAN BE CONTACTED. THE CONTRACTOR SHALL PROVIDE ONE OR MORE PERSONS TO RECEIVE ALL CALLS AND DISPATCH THE NECESSARY MAINTENANCE FORCES TO CORRECT OUTAGES. SUCH A PERSON OR PERSONS MAY BE USED TO PERFORM OTHER DUTIES AS LONG AS PROMPT ATTENTION IS GIVEN TO THESE CALLS AND A PERSON IS READILY AVAILABLE CONTINUOUSLY 24 HOURS A DAY, 7 DAYS A WEEK. ALL LAMP OUTAGES, CABLE OUTAGES, ELECTRICAL FAILURES, EQUIPMENT MALFUNCTIONS AND MISALIGNED SIGNAL HEADS SHALL BE CORRECTED TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK TO SERVICE WITHIN FOUR HOURS AFTER THE CONTRACTOR HAS BEEN NOTIFIED OF THE OUTAGE.

IN THE EVENT NEW SIGNALS ARE DAMAGED PRIOR TO ACCEPTANCE, ALL DAMAGED EQUIPMENT EXCEPT POLES AND CONTROL EQUIPMENT SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER WITH THE SIGNAL BACK IN SERVICE WITHIN 8 HOURS AFTER THE CONTRACTOR'S NOTIFICATION OF THE OUTAGE. THE CONTRACTOR SHALL ARRANGE FOR FULL TRAFFIC CONTROL UNTIL THE SIGNAL IS BACK IN OPERATION. IF POLES AND/OR CONTROL EQUIPMENT ARE DAMAGED AND MUST BE REPLACED, THE CONTRACTOR SHALL MAKE TEMPORARY REPAIRS AS NECESSARY TO BRING THE SIGNAL BACK INTO FULL OPERATION WITHIN THE ALLOWED 8-HOUR PERIOD, AND SHALL MAKE PERMANENT REPAIRS OR REPLACEMENT AS SOON THEREAFTER AS POSSIBLE.

NONE OF THE ABOVE SHALL BE CONSTRUED AS COLLECTIVE OR CONSECUTIVE OUTAGE TIME PERIODS AT ANY ONE LOCATION. THAT IS, WHERE MORE THAN ONE OUTAGE OCCURS AT ANY ONE LOCATION THEN THE ALLOTTED TIME LIMIT SHALL BE FOR THE WORST SINGLE OUTAGE.

WHERE OUTAGES ARE THE DIRECT RESULT OF A VEHICLE ACCIDENT THE RESPONSE OF THE CONTRACTOR SHALL BE AS OUTLINED ABOVE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTION OF ANY COMPENSATION FOR THIS WORK FROM THOSE PARTIES RESPONSIBLE FOR THE DAMAGE.

WHERE THE CONTRACTOR HAS FAILED TO, OR CANNOT RESPOND TO, AN OUTAGE OR SIGNAL EQUIPMENT MALFUNCTION, AT THESE LOCATIONS WITHIN HIS RESPONSIBILITY, WITHIN PERIODS AS SPECIFIED ABOVE, THE ENGINEER MAY INVOKE THE PROVISIONS OF SECTION 105.15 AND ANY SUBSEQUENT BILLINGS TO THE STATE OR THE CITY OF CLEVELAND FOR POLICE SERVICES AND MAINTENANCE SERVICES BY CITY FORCES SHALL BE DEDUCTED FROM MONIES DUE OR TO BECOME DUE THE CONTRACTOR IN ACCORDANCE WITH PROVISIONS OF SECTION 105.15.

THE CONTRACTOR SHALL PROVIDE THE MAINTENANCE SERVICE ENTIRELY WITH HIS FORCES OR HE MAY CHOOSE TO ENTER INTO A COOPERATIVE UNDERSTANDING WITH THE LOCAL MAINTAINING AGENCY TO PROVIDE THE MAINTENANCE. THE CONTRACTOR SHALL INFORM THE ENGINEER, IN WRITING, OF THE MAINTENANCE METHOD SELECTED.

MAINTENANCE OF TRAFFIC SIGNAL/FLASHER INSTALLATION (CONTINUED)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO ANY TRAFFIC SIGNAL COMPONENTS REQUIRED TO BE HANDLED DURING THE RELOCATION OF POLES AND REVISIONS TO THE SIGNAL SYSTEM. WHEN A TRAFFIC SIGNAL MUST BE TAKEN OUT OF SERVICE BY THE CONTRACTOR, DUE TO CONSTRUCTION PROCEDURES, THIS OUTAGE SHALL NOT EXCEED THREE HOURS AND SHALL NOT INCLUDE THE HOURS OF 7:00 AM TO 9:00 AM, 12:00 NOON TO 1:00 PM, AND/OR 4:00 PM TO 7:00 PM.

ANY SIGNALIZED INTERSECTION WHERE THE SIGNAL IS OUT OF SERVICE DUE TO CONSTRUCTION PROCEDURES, OR DUE TO AN OUTAGE OR MALFUNCTION OF EQUIPMENT AS DESCRIBED ABOVE, SHALL BE PROTECTED, BY THE CONTRACTOR, BY THE INSTALLATION OF TEMPORARY "STOP" SIGNS, EXCEPT FOR THE FOLLOWING INTERSECTIONS WHICH SHALL BE PROTECTED BY OFF-DUTY CITY OF CLEVELAND POLICE, HIRED BY THE CONTRACTOR:

- CARNEGIE AVE. - E. 14TH ST.
- CARNEGIE AVE. - E. 18TH ST.
- CARNEGIE AVE. - E. 21ST ST.
- CARNEGIE AVE. - E. 22ND ST.
- E. 22ND ST. - COMMUNITY COLLEGE AVE.
- E. 22ND ST. - CENTRAL AVE.
- E. 22ND ST. - CEDAR AVE.

ANY VEHICULAR TRAFFIC SIGNAL HEAD, EITHER NEW OR EXISTING WHICH WILL BE OUT OF OPERATION SHALL BE COVERED IN THE MANNER DESCRIBED IN 632.25.

THE CONTRACTOR SHALL MAINTAIN COMPLETE RECORDS OF MALFUNCTIONS INCLUDING:

- TIME OF NOTIFICATION OF MALFUNCTION;
- TIME OF WORK CREWS ARRIVAL TO CORRECT THE MALFUNCTION;
- ACTIONS TAKEN TO CORRECT THE MALFUNCTION, INCLUDING A LIST OF PARTS REPAIRED OR REPLACED;
- A DIAGNOSIS OF REASON FOR THE MALFUNCTION AND PROBABILITY OF REOCCURRENCE;
- TIME OF COMPLETION OF THE REPAIR AND SYSTEM RESTORED TO FULL SERVICE.

A COPY OF THESE RECORDS SHALL BE PROVIDED TO THE ENGINEER WITHIN THREE (3) WORKING DAYS FOLLOWING COMPLETION OF EACH REPAIR.

ALL COSTS RESULTING FROM THE ABOVE REQUIREMENTS SHALL BE CONSIDERED TO BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

ADVANCE WORK ZONE INFORMATION

ADVANCE WORK ZONE INFORMATION SIGNS, AS USED IN THIS NOTE, ARE FIXED MESSAGE TYPES. THE SIGNS ARE TO BE LOCATED AT EXTREME DISTANCE FROM THE WORK AREA, AS SHOWN IN THE PLANS.

THE SIGNS SHALL BE BLACK ON ORANGE (INCLUDING A BLACK BORDER). THE LAYOUT SHALL BE IN CONFORMANCE WITH TEM CHAPTER 211.

WHEN REGULATORY INFORMATION IS PROVIDED, IT SHALL BE DISPLAYED SEPARATELY AS A STANDARD BLACK-ON-WHITE SIGN. MIXING OF BLACK-ON-WHITE REGULATORY INFORMATION ON A BLACK-ON-ORANGE INFORMATION SIGN IS PROHIBITED.

IF THE MOTORIST IS BEING DETOURED OR IF AN ALTERNATE ROUTE IS PROVIDED, THE ROUTE SHOULD BE SIGNED WITH ASSEMBLIES CONSISTING OF THE APPROPRIATE BLACK-ON-ORANGE DETOUR OR ALT MARKER WITH A STANDARD ROUTE MARKER AND ARROW PLATE. IF MORE TARGET VALUE IS DESIRED, THIS TRAIL BLAZER INFORMATION MAY BE SHOWN ON AN ORANGE PANEL (OMUTCD SECTION 2D.32).

ROUTE SIGN ASSEMBLIES SHALL BE SIZED ACCORDING TO THE TYPE OF ROAD ON WHICH THEY ARE LOCATED IN ACCORDANCE WITH THE OMUTCD.

SUPPORTS FOR SIGN INSTALLATIONS SHALL CONFORM TO ALL EXISTING STANDARDS FOR PERMANENT SIGNS. THESE SIGNS SHOULD NOT BE ATTACHED TO EXISTING SUPPORTS.

WHERE THE PLANS CALL FOR AN OVERLAY TO COVER A PORTION OF AN EXISTING SIGN, THE OVERLAY SHALL BE BLACK-ON-ORANGE. LETTER SIZES SHOULD BE THE SAME AS ON THE EXISTING SIGNS. WHEN LANE ARROWS ARE TO BE COVERED, A BLANK OVERLAY SHOULD BE PLACED OVER EACH OF THE AFFECTED ARROWS. WHEN A RAMP IS BEING CLOSED, RATHER THAN USING A BLANK OVERLAY TO COVER THE ENTIRE SIGN, THE LEGEND "EXIT CLOSED" (W20-H15) SHOULD BE USED ON A DIAGONAL OVERLAY (LOWER LEFT TO UPPER RIGHT) ON THE SIGN. THE SIZE OF LETTERING ON OVERLAYS AND THE SIZE OF THE OVERLAY ARE INDICATED IN THE PLANS. THE MINIMUM LETTER SIZE FOR THE DIAGONAL "EXIT CLOSED" (W20-H15) OVERLAY SHALL BE 12" C.

ALL ADVANCE WORK ZONE INFORMATION SIGN INSTALLATIONS LOCATED OUTSIDE OF THE PROJECT WORK LIMITS SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

CONCRETE MEDIAN BARRIER REPLACEMENT

REMOVING, GRADING AND INSTALLING THE REPLACEMENT BARRIER IN A CONTINUOUS OPERATION SHALL BE LIMITED TO 500 LINEAR FEET AND SHALL AT ALL TIMES BE SUBJECT TO THE APPROVAL OF THE ENGINEER. THE ENGINEER SHALL BE SATISFIED THAT ALL INSTALLATIONS WILL AFFORD MAXIMUM PROTECTION FOR TRAFFIC.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE REMOVAL AND REPLACEMENT OF EXISTING MEDIAN BARRIER:

ITEM 202 - BARRIER REMOVED	1510 FT
ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE B1	500 FT
ITEM 622 - CONCRETE BARRIER, SINGLE SLOPE, TYPE D	1010 FT

PAYMENT FOR THE ABOVE ITEMS SHALL BE AT THE CONTRACT UNIT PRICE. PAYMENT SHALL INCLUDE ALL LABOR, MATERIALS, EQUIPMENT, HARDWARE, AND INCIDENTALS TO PERFORM THE ABOVE DESCRIBED WORK. IN ADDITION, RESTORING THE MEDIAN AND SHOULDER BACK TO THE EXISTING CONDITION SHALL BE INCIDENTAL TO THE ITEMS 622 ABOVE.

WORKSITE TRAFFIC SUPERVISOR

SUBJECT TO APPROVAL OF THE ENGINEER, THE CONTRACTOR SHALL EMPLOY AND IDENTIFY (SOMEONE OTHER THAN THE SUPERINTENDENT) A PREQUALIFIED WORKSITE TRAFFIC SUPERVISOR (WTS) BEFORE STARTING WORK IN THE FIELD. THE WTS SHALL BE TRAINED IN ACCORDANCE WITH CMS 614.03, SHALL HAVE SUCCESSFULLY COMPLETED ODOT ADMINISTERED WTS TESTING (AND RE-TESTING WHEN APPLICABLE) AND BE LISTED ON THE ODOT PREQUALIFIED WTS ROSTER. PREQUALIFICATION EXPIRES EVERY 5 YEARS. RE-TESTING SHALL BE SUCCESSFULLY REPEATED EVERY 5 YEARS TO REMAIN PREQUALIFIED.

IN ADDITION, THE DESIGNATED WTS SHALL BE SOLELY DEDICATED TO THE PROJECT AND IS NOT ALLOWED TO PERFORM DUTIES AT OTHER PROJECTS.

THE NAME OF THE PREQUALIFIED WTS AND RELATED 24-HOUR CONTACT INFORMATION SHALL BE PROVIDED TO THE ENGINEER AT THE PRECONSTRUCTION CONFERENCE. IF THE DESIGNATED WTS WILL NOT BE AVAILABLE FULL TIME (24/7), THE CONTRACTOR MAY DESIGNATE AN ALTERNATE (SECONDARY) WTS TO BE AVAILABLE WHEN THE PRIMARY IS OFF DUTY; HOWEVER THE PRIMARY WTS SHALL REMAIN THE POINT OF CONTACT AT ALL TIMES. ANY ALTERNATE (SECONDARY) WTS IS SUBJECT TO THE SAME TRAINING, PREQUALIFICATION AND OTHER REQUIREMENTS OUTLINED WITHIN THIS PLAN NOTE. AT ALL TIMES THE ENGINEER, OR ENGINEER'S REPRESENTATIVES, MUST BE INFORMED OF WHO THE PRIMARY WTS (AND SECONDARY WTS, IF APPLICABLE) IS AT THE CURRENT TIME.

THE WTS POSITION HAS THE PRIMARY RESPONSIBILITY OF IMPLEMENTING THE TRAFFIC MANAGEMENT PLAN (TMP), MONITORING THE SAFETY AND MOBILITY OF THE ENTIRE WORK ZONE, AND CORRECTING TEMPORARY TRAFFIC CONTROL (TTC) DEFICIENCIES FOR THE ENTIRE WORK ZONE. THE WTS, AND ALTERNATE WTS WHEN ON DUTY, SHALL HAVE SUFFICIENT AUTHORITY TO EFFECTIVELY CARRY OUT THE IDENTIFIED WTS RESPONSIBILITIES AND DUTIES. THE DUTIES OF THE WTS ARE AS FOLLOWS:

- BE AVAILABLE ON A 24-HOUR PER DAY BASIS.
- BE ON SITE FOR ALL EMERGENCY TTC NEEDS WITHIN ONE HOUR OF NOTIFICATION BY POLICE OR PROJECT STAFF, AND EFFECT CORRECTIVE MEASURES IMMEDIATELY ON EXISTING WORK ZONE TTC DEVICES.
- ATTEND PRECONSTRUCTION MEETING AND ALL PROJECT MEETINGS WHERE TTC MANAGEMENT IS DISCUSSED.
- BE AVAILABLE ON SITE FOR OTHER MEETINGS OR DISCUSSIONS WITH THE ENGINEER UPON REQUEST.
- BE AWARE OF ALL EXISTING AND PROPOSED TTC OPERATIONS OF THE CONTRACTOR, SUBCONTRACTORS AND SUPPLIERS, AND ENSURE COORDINATION OCCURS BETWEEN THEM TO ELIMINATE CONFLICTING TEMPORARY AND/OR PERMANENT TRAFFIC CONTROL.
- COORDINATE PROJECT ACTIVITIES WITH ALL LAW ENFORCEMENT OFFICERS (LEOS). THE WTS SHALL ALSO BE THE MAIN CONTACT PERSON WITH THE LEOS WHILE LEOS ARE ON THE PROJECT.
- COORDINATE AND FACILITATE MEETINGS WITH ODOT PERSONNEL, LEOS AND OTHER APPLICABLE ENTITIES BEFORE EACH PLAN PHASE SWITCH TO DISCUSS THE WORK ZONE TTC FOR IMPLEMENTING THE PHASE SWITCH. SUBMIT A WRITTEN DETAIL OF MOT OPERATIONS AND SCHEDULE OF EVENTS TO IMPLEMENT THE SWITCH BETWEEN PHASE PLANS TO THE ENGINEER 5 CALENDAR DAYS PRIOR TO THIS MEETING.
- BE PRESENT, ON SITE FOR, AND INVOLVED WITH, EACH TTC SET UP/TAKE DOWN AND EACH PHASE CHANGE IN ACCORDANCE WITH CMS 614.03.
- ON A CONTINUAL BASIS ENSURE THAT THE TTC ZONE AND ALL RELATED DEVICES ARE INSTALLED, MAINTAINED AND REMOVED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS.
- ON A CONTINUAL BASIS FACILITATE CORRECTIVE ACTION(S) NECESSARY TO BRING DEFICIENT TTC ZONES AND ALL RELATED DEVICES INTO COMPLIANCE WITH CONTRACT DOCUMENTS IN THE TIMEFRAME DETERMINED BY THE ENGINEER.
- INSPECT, EVALUATE, PROPOSE NECESSARY MODIFICATIONS TO, AND DOCUMENT THE EFFECTIVENESS OF, THE TTC DEVICES AND TRAFFIC OPERATIONS ON A DAILY BASIS (7 DAYS A WEEK). IN ADDITION, PERFORM ONE WEEKLY NIGHT INSPECTION OF THE WORK ZONE SETUP FOR DAYTIME WORK OPERATIONS; AND ONE DAYTIME INSPECTION PER WEEK FOR NIGHTTIME PROJECTS. THIS SHALL INCLUDE (BUT NOT BE LIMITED TO) DOCUMENTATION ON THE FOLLOWING PROJECT EVENTS:

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
76	2339

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONTINUED)

WORKSITE TRAFFIC SUPERVISOR (CONTINUED)

- A. INITIAL TTC SETUP (DAY AND NIGHT REVIEW).
 - B. DAILY TTC SETUP AND REMOVAL.
 - C. WHEN CONSTRUCTION STAGING CAUSES A CHANGE IN THE TTC SETUP.
 - D. CRASH OCCURRENCES WITHIN THE CONSTRUCTION AREA AND WITHIN THE INFLUENCE AREA(S) APPROACHING THE WORK ZONE.
 - E. REMOVAL OF TTC DEVICES AT THE END OF A PHASE OR PROJECT.
 - F. ALL OTHER EMERGENCY TTC NEEDS.
12. COMPLETE THE DEPARTMENT APPROVED LONG TERM INSPECTION FORM (CA-D-8) AFTER EACH INSPECTION AS REQUIRED IN # 11 AND SUBMIT IT TO THE ENGINEER THE FOLLOWING WORKDAY. THESE REPORTS SHALL INCLUDE A CHECKLIST OF ALL TTC MAINTENANCE ITEMS TO BE REVIEWED. A COPY OF THE FORM WILL BE PROVIDED AT THE PRE-CONSTRUCTION MEETING. ANY DEFICIENCIES OBSERVED SHALL BE NOTED, ALONG WITH RECOMMENDED OR COMPLETED CORRECTIVE ACTIONS AND THE DATES BY WHICH SUCH CORRECTIONS WERE, OR WILL BE, COMPLETED. A COPY OF THE CURRENT CA-D-8 DOCUMENT CAN BE FOUND ON THE OFFICE OF CONSTRUCTION ADMINISTRATION'S INSPECTION FORMS WEBSITE.
13. HAVE COPIES OF THE ODOT TEMPORARY TRAFFIC CONTROL MANUAL AND CONTRACT DOCUMENTS AVAILABLE AT ALL TIMES ON THE PROJECT.

THE DEPARTMENT WILL DEDUCT:

- A. THE PRORATED DAILY AMOUNT OF ITEM 614 MAINTAINING TRAFFIC FOR ANY DAY IN WHICH THE WTS FAILS TO PERFORM THE DUTIES SET FORTH ABOVE. THE PRORATED DAILY AMOUNT WILL BE EQUAL TO THE ORIGINAL BID AMOUNT FOR ITEM 614 MAINTAINING TRAFFIC DIVIDED BY THE DIFFERENCE BETWEEN THE ORIGINAL COMPLETION DATE AND THE FIRST DAY OF WORK, IN CALENDAR DAYS.
- B. 1% OF THE ORIGINAL BID AMOUNT FOR ITEM 614 MAINTAINING TRAFFIC FOR ANY DAY THAT A TTC ISSUE IS IDENTIFIED IN THE FIELD AND IS NOT CORRECTED IN THE GIVEN TIMEFRAME PER THE ENGINEER. DEDUCTION B SHALL NOT APPLY TO SITUATIONS COVERED BY DEDUCTION C.
- C. 1% OF THE ORIGINAL BID AMOUNT FOR ITEM 614 MAINTAINING TRAFFIC FOR ANY DAY THAT A LANE OR RAMP IS BLOCKED (FULLY OR PARTIALLY) WITHOUT TTC, AS DETERMINED BY THE ENGINEER. THIS DEDUCTION SHALL BE IN ADDITION TO ANY OTHER DISINCENTIVES ESTABLISHED FOR UNAUTHORIZED LANE USE.

FOR DAYS IN WHICH MORE THAN ONE DEDUCTION LISTED ABOVE OCCUR, THE HIGHEST DEDUCTION AMOUNT WILL APPLY.

IF THREE OR MORE TOTAL DAYS RESULT IN TTC ISSUES DESCRIBED IN DEDUCTION B OR C ABOVE, THE PRIMARY WTS SHALL BE IMMEDIATELY REMOVED FROM THE WORK IN ACCORDANCE WITH C&MS 108.05. UPON REMOVAL THE ENGINEER SHALL NOTIFY ODOT CENTRAL OFFICE (WTSPREQUALIFICATION@DOT.OHIO.GOV) TO REGISTER A REMOVAL AGAINST THE STATEWIDE PREQUALIFICATION FOR THE PRIMARY WTS. THREE REMOVALS SHALL CAUSE STATEWIDE DISQUALIFICATION FOR ANY PREVIOUSLY PREQUALIFIED WTS.

PAYMENT FOR THE ABOVE REQUIREMENTS, RESPONSIBILITIES AND DUTIES SHALL BE INCLUDED IN THE LUMP SUM PRICE BID FOR ITEM 614, MAINTAINING TRAFFIC.

TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT

OHIO TIM IS OHIO'S TRAFFIC INCIDENT MANAGEMENT PROGRAM WHICH IS COMMITTED TO MAINTAINING THE SAFE AND EFFECTIVE FLOW OF TRAFFIC DURING EMERGENCIES AS TO PREVENT FURTHER DAMAGE, INJURY OR UNDUE DELAY OF THE MOTORING PUBLIC. IN ADDITION TO COMPLYING WITH THE PROVISION OF OMUTGD CHAPTER 6I, CONTROL OF TRAFFIC THROUGH TRAFFIC INCIDENT MANAGEMENT AREAS, THE CONTRACTOR SHALL ACTIVELY PARTICIPATE IN TIM PLANNING AND IMPLEMENTATION AS OUTLINED BELOW.

1. SUPERINTENDENT SHALL IDENTIFY THE INDIVIDUAL PERSONS ON THE PROJECT WHO WILL, OR MAY NEED TO, PERFORM THE DUTIES HEREIN. AT A MINIMUM, INCLUDE THE SUPERINTENDENT, FOREMEN AND SUPERVISORS (OR EQUIVALENT) AS WELL AS THE WORKSITE TRAFFIC SUPERVISOR (WTS; IF APPLICABLE TO THE PROJECT). THESE INDIVIDUALLY IDENTIFIED PERSONS SHALL COLLECTIVELY BE KNOWN AS CONTRACTOR TRAFFIC INCIDENT MANAGEMENT (TIM) CONTACTS. NOTIFY THE PROJECT ENGINEER OF THE CONTRACTOR TIM CONTACTS (ALONG WITH CONTACT INFORMATION FOR EACH) AT OR BEFORE THE PRECONSTRUCTION MEETING.
2. SUPERINTENDENT SHALL NOTIFY THE ENGINEER IMMEDIATELY IF ANY CONTRACTOR TIM CONTACT IS ADDED, REMOVED OR THE CONTACT INFORMATION CHANGES OVER THE COURSE OF THE PROJECT.
3. PRIOR THE FIRST DAY OF WORK IN THE FIELD, EACH CONTRACTOR TIM CONTACT ON THE PROJECT SHALL HAVE ATTENDED AND SUCCESSFULLY COMPLETED OHIO TIM TRAINING PROVIDED BY THE DEPARTMENT OR DESIGNEE. TRAINING INFORMATION CAN BE FOUND AT WWW.OHIOTIM.COM.
4. SUPERINTENDENT, AT A MINIMUM, SHALL ATTEND AND ACTIVELY PARTICIPATE IN A DEPARTMENT SCHEDULED TIM MEETING BEFORE CONSTRUCTION WORK BEGINS AND BEFORE EACH PHASE CHANGE. THESE MEETINGS WILL RESULT IN A DEPARTMENT ISSUED PROJECT SPECIFIC TRAFFIC INCIDENT MANAGEMENT PLAN (TIMP). AT THE TIM MEETINGS THE ATTENDING CONTRACTOR TIM CONTACTS SHALL:
 - A. COLLABORATE WITH ODOT AND SAFETY FORCES;
 - B. SHARE PROJECT SPECIFIC DETAILS THAT IMPACT TIM RESPONDERS; AND
 - C. RECOMMEND WAYS TO INCORPORATE NECESSARY EMERGENCY ACCESS AND OTHER TIM ELEMENTS FOR TIM RESPONDERS GIVEN PROJECT SPECIFIC WORK BEING COMPLETED AND PROJECT SPECIFIC PHASING.
5. CONTRACTOR TIM CONTACTS SHALL IMPLEMENT COMPONENTS OF THE RESULTING TIMP (SUCH AS APPROVED EMERGENCY INGRESS/EGRESS POINTS, ETC), AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
6. CONTRACTOR TIM CONTACTS SHALL PERFORM, AT A MINIMUM, THE FOLLOWING FUNCTIONS WHEN AN INCIDENT/CRASH OCCURS:
 - A. IF OBSERVED OR PRESENT WHEN OCCURS, CALL 911 AND THEN NOTIFY THE TRAFFIC MANAGEMENT CENTER (TMC) TO PROVIDE THE FOLLOWING:
 - I. LOCATION, INCLUDING MILEPOST NUMBER AND DIRECTION OF TRAVEL
 - II. NUMBER AND TYPE OF VEHICLES INVOLVED, IF KNOWN
 - III. ESTIMATED EXTENT OF DAMAGE OR INJURY, IF KNOWN
 - IV. ESTIMATED NUMBER OF PATIENTS INVOLVED, IF KNOWN
 - V. ANY POTENTIAL HAZARDOUS CONDITIONS, IF KNOWN
 - VI. THE PLACARD NUMBER ON ANY HAZARDOUS MATERIALS PLACARD FROM A SAFE DISTANCE, IF APPLICABLE AND VISIBLE

TRAFFIC INCIDENT MANAGEMENT (TIM) DURING MOT (CONTINUED)

- B. FOLLOWING AN INCIDENT/CRASH:
 - I. INITIATE TRAFFIC MANAGEMENT/PROVIDE TEMPORARY TRAFFIC CONTROL AS INDICATED IN THE TIMP, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
 - II. RECOMMEND ROADWAY REPAIR NEEDS.
 - III. PROVIDE REPAIR RESOURCES AND INITIATE REPAIRS, AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH 109.05.
 - IV. ATTEND AND PARTICIPATE IN AN AFTER ACTION REVIEW (AAR).

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

MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS CONTINGENCY

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY AND ARE TO BE USED TO REPLACE WORN PAVEMENT MARKINGS AT THE DIRECTION OF THE ENGINEER:

ITEM 614 - WORK ZONE LANE LINE, 4', CLASS 1	XX MILE
ITEM 614 - WORK ZONE CENTER LINE, 4', CLASS 1	XX MILE
ITEM 614 - WORK ZONE EDGE LINE, 4", CLASS 1 (WHITE)	XX MILE
ITEM 614 - WORK ZONE EDGE LINE, 4", CLASS 1 (YELLOW)	XX MILE
ITEM 614 - WORK ZONE CHANNELIZING LINE, 6', CLASS 1	XXX FT
ITEM 614 - WORK ZONE DOTTED LINE, 4', CLASS 1	XXX FT
ITEM 614 - WORK ZONE TRANSVERSE LINE, CLASS 1	XXX FT
ITEM 614 - WORK ZONE STOP LINE, CLASS 1	XXX FT

WORK ZONE QUEUE DETECTION WARNING SYSTEM

THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN AN APPROVED WORK ZONE QUEUE DETECTION WARNING SYSTEM (WZQDWS) AS PER SUPPLEMENTAL SPECIFICATION 896.

IT IS EXPECTED THE LOCATIONS WILL VARY BASED ON PLANNED OR UNPLANNED PHASE AND TRAFFIC PATTERN CHANGES. PLACEMENT, OPERATION, MAINTENANCE AND ALL ACTIVATION OF THE DEVICES BY THE CONTRACTOR SHALL BE DIRECTED BY THE ENGINEER.

THE FOLLOWING TRAFFIC SENSOR THRESHOLDS AND PORTABLE CHANGEABLE MESSAGE SIGNS (PCMS) MESSAGES SHALL BE USED:

GREATER THAN OR EQUAL TO 50 MPH - USE FOUR CORNER FLASHING CAUTION MODE BETWEEN 50 MPH AND 25 MPH - TRAFFIC AHEAD XX MPH / SLOW DOWN BELOW OR EQUAL TO 25 MPH - TRAFFIC AHEAD XX MPH / PREPARE TO STOP

FOUR CORNER FLASHING CAUTION MODE SHALL CONSIST OF THE USE OF ONE ASTERISK IN EACH CORNER OF THE PCMS DISPLAY (4 TOTAL ASTERISKS).

XX SHALL BE ROUNDED UP TO THE NEAREST MULTIPLE OF 5 MPH MINUS 1. OCCUPANCY MAY BE DIRECTED TO BE USED BASED ON CERTAIN TRAFFIC CONDITIONS AND SCENARIOS. ODOT WILL DIRECT THE CONTRACTOR OF THE THRESHOLDS TO BE USED FOR THOSE AREAS WHERE OCCUPANCY IS DIRECTED TO BE USED.

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

ITEM 896 - PORTABLE NON-INTRUSIVE TRAFFIC SENSOR, CLASS 1	92 SIGN MONTH
ASSUMING 2 SENSORS FOR 46 MONTHS	
ITEM 896 - PORTABLE CHANGEABLE MESSAGE SIGN	92 SIGN MONTH
ASSUMING 2 PCMS SIGNS FOR 46 MONTHS	

WORK ZONE RAISED PAVEMENT MARKERS

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

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

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

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

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

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

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

PAYMENT FOR THIS WORK SHOULD BE INCLUDED IN THE BID PRICE FOR ITEM 614, MAINTAINING TRAFFIC.

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.

PAYMENT FOR BARRIER REFLECTORS AND OBJECT MARKERS SHALL BE INCLUDED IN THE CONTRACT PRICE PER FOOT OF ITEM 622, PORTABLE BARRIER, 50", AS PER PLAN, AND ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN. FULL COMPENSATION FOR ALL MATERIAL, LABOR, INCIDENTALS, AND EQUIPMENT NECESSARY FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING EACH OF THE ABOVE ITEMS.

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

SHEET TOTAL

77 2339

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONTINUED)

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 OMTUCD INTENDS THAT FLAGGERS BE USED.

IN ADDITION TO THE REQUIREMENTS OF C&MS 614 AND THE OMTUCD, 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 OMTUCD, 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:
ON A MULTI-LANE DIVIDED INTERSTATE, OTHER FREEWAY OR EXPRESSWAY; AND
AN AUTHORIZED SPEED LIMIT OF 45 MPH OR GREATER THAT IS IN EFFECT AT THE TIME OF THE OPERATION;
AND,
AADT OF 50,000 (OR AADT OF 30,000 WITH 25% OR HIGHER PERCENT TRUCKS)

"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:
THE FIRST ACTIVE WORK AREA THAT DRIVERS WILL ENCOUNTER; OR THE ACTIVE WORK AREA LATERALLY CLOSE TO THE OPEN TRAVELED LANE; OR 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 (CONTINUED)

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 THE PLANS 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 1000 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 A LEO ARE INCLUDED WITH THE BID UNIT PRICE FOR ITEM 614, LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE.

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.

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	NOTICE DUE TO PERMITS & PIO
RAMP & ROAD CLOSURES	>= 2 WEEKS	21 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	4 CALENDAR 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 & TRAFFIC PATTERN CHANGES	N/A	14 CALENDAR DAYS PRIOR TO IMPLEMENTATION

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

TEMPORARY DRAINAGE ITEMS

TEMPORARY DRAINAGE ITEMS ARE LABELED ON THE MAINTENANCE OF TRAFFIC PLANS AND ARE CARRIED TO THE GENERAL SUMMARY. FOR TEMPORARY DRAINAGE DETAILS AND THE TEMPORARY INLET AND MANHOLE SCHEDULE, SEE SHEET 83

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE (1.5") & ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22

THIS ITEM OF WORK IS TO MILL AND FILL IN THE EXISTING RUMBLE STRIPS FOR THE TRAFFIC PATTERN OF THE PHASES OF CONSTRUCTION.

FOR CALCULATION PURPOSES, THE THICKNESS IS 1½" AND 2' WIDE.

PHASE AND LOCATION:

PHASE 1 - I.R. 77 NB INSIDE SHOULDER, @ EX. I.R. 77 STA. 74+00 TO @ EX. RAMP E STA. 55+00, 600 LF

PHASE 2 - I.R. 77 NB OUTSIDE SHOULDER, @ EX. I.R. 77 STA. 71+00 TO STA. 76+00, 500 LF

PHASE 2 - I.R. 90 WB INSIDE SHOULDER, @ EX. I.R. 90 STA. 82+05 TO STA. 89+85, 780 LF

PHASE 3 - I.R. 90 EB INSIDE SHOULDER, @ EX. I.R. 90 STA. 95+50 TO STA. 101+00, 450 LF

PHASE 4 - I.R. 90 WB INSIDE SHOULDER, @ EX. I.R. 90 STA. 110+50 TO STA. 114+50, 400 LF

PHASE 4 - I.R. 90 EB INSIDE SHOULDER, @ EX. I.R. 90 STA. 98+80 TO STA. 105+50, 670 LF

PHASE 4 - I.R. 90 EB OUTSIDE SHOULDER, @ EX. I.R. 90 STA. 104+00 TO STA. 109+00, 500 LF

PHASE 5 - I.R. 90 EB INSIDE SHOULDER, @ EX. I.R. 90 STA. 58+95 TO STA. 65+15, 615 LF

PHASE 5 - I.R. 90 WB OUTSIDE SHOULDER, @ EX. I.R. 90 STA. 98+40 TO STA. 102+50, 500 LF

PHASE 7 - I.R. 90 EB OUTSIDE SHOULDER, @ EX. I.R. 90 STA. 62+50 TO STA. 72+00, 950 LF

PHASE 9 - I.R. 77 NB OUTSIDE SHOULDER, @ EX. I.R. 77 STA. 69+00 TO STA. 71+00, 200 LF

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DIRECTED BY THE ENGINEER.

ITEM 254 - PAVEMENT PLANING, ASPHALT CONCRETE 1326 SQ. YD.

ITEM 441 - ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 55 CU. YD.

MAINTENANCE OF TRAFFIC NOTES

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	
PROJECT ID	82382
SHEET	78
TOTAL	2339

SEQUENCE OF CONSTRUCTION

PHASE 1

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 77 NORTHBOUND EXIT RAMP
 - BUILD ENTIRE RAMP IH4 FROM I.R. 77 NORTHBOUND TO E. 14TH ST. NORTHBOUND
 - BUILD RAMP H5 FROM I.R. 77 NORTHBOUND TO STA. 988+50.00
 - BUILD RAMP H6 FROM I.R. 77 NORTHBOUND TO STA. 1187+43.56

E. 14TH ST.
 - BUILD E. 14TH ST. PAVEMENT BETWEEN ORANGE AVE. AND CARNEGIE AVE.
 - OMIT CONSTRUCTION OF E.14TH ST. ENTRANCE RAMP TO I.R. 90 AT CARNEGIE AVE. AND SOUTHWEST CORNER OF E. 14TH ST. AND CARNEGIE AVE. INTERSECTION.
 - OMIT CONSTRUCTION OF FULL DEPTH PAVEMENT AND CURB ON E. 14TH ST. SOUTHBOUND AND NORTHBOUND PAVEMENT ADJACENT TO EXISTING I.R. 90 BRIDGE OVER E. 14TH ST. PIER.
 - BUILD TEMPORARY PAVEMENT AND SIDEWALK CONNECTIONS BETWEEN E. 14TH ST. AND COMMUNITY COLLEGE AVE. SEE SHEETS 118 TO 127 FOR DETAILS.
 - BUILD TEMPORARY PAVEMENT CONNECTIONS BETWEEN COMMUNITY COLLEGE AVE. AND RAMP H6. SEE SHEETS 128 TO 134 FOR DETAILS.

E. 19TH ST./ CENTRAL AVE.
 - BUILD CONNECTION PAVEMENT BETWEEN E. 19TH ST. AND E. 18TH ST. NORTHBOUND STUB, SOUTH OF CARNEGIE AVE.

CARNEGIE AVE.
 - BUILD OUTSIDE PAVEMENT WIDENING ON THE SOUTH SIDE BETWEEN E. 14TH ST. AND E. 18TH ST.

CEDAR AVE.
 - BUILD TEMPORARY UTILITY VEHICLE TURNAROUND DRIVEWAYS AND PAVEMENT

MIDTOWN CONNECTOR
 - BUILD PORTION OF MIDTOWN CONNECTOR PAVEMENT BETWEEN CEDAR AVE. AND CARNEGIE AVE.

BRIDGES:

BRIDGE 9 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)
 - BUILD PIER 10

- REMOVE EXISTING BRIDGE E10 (COMMUNITY COLLEGE AVE. BRIDGE OVER E. 14TH ST. NORTHBOUND)

RETAINING WALLS:

- BUILD WALL T
 - BUILD WALL M

UTILITIES:

- INSTALL 30" WATERLINE ALONG E. 14TH ST. BETWEEN CARNEGIE AVE. AND COMMUNITY COLLEGE AVE.
 - INSTALL CEI ELECTRIC DUCT BANK ALONG E. 14TH ST. BETWEEN CARNEGIE AVE. AND COMMUNITY COLLEGE AVE.
 - ADDITIONAL UTILITIES ON E. 22ND ST. BRIDGE TO BE RELOCATED BY OTHERS PRIOR TO THE START OF PHASE 2.
 - INSTALL CURED-IN-PLACE PIPE LINER IN THE WOODLAND AVE. SEWER DURING PHASE 1 PRIOR TO BEGINNING ANY WORK ON WALL M, WALL T, AND BRIDGE 9 REAR ABUTMENT.
 - INSTALL CURED-IN-PLACE PIPE LINER IN THE CENTRAL AVE. SEWER DURING PHASE 1 PRIOR TO BEGINNING WORK ON THE CENTRAL AVE. CONNECTION TO E. 19TH ST.

SIGNALS:

- REMOVE EXISTING AND INSTALL PROPOSED SIGNAL FACILITIES AT CARNEGIE AVE./E. 14TH ST. INTERSECTION
 - REMOVE EXISTING AND INSTALL PROPOSED SIGNAL FACILITIES AT CARNEGIE AVE./E. 18TH ST. INTERSECTION

PHASE 1 (CONTINUED)

MAINTENANCE OF TRAFFIC:

I.R. 77 NORTHBOUND
 - CONVERT RIGHT LANE OF I.R. 77 NORTHBOUND INTO EXIT ONLY LANE FOR EXIT RAMP 162A (I.R. 77 NORTHBOUND TO WOODLAND AVE.). MAINTAIN 2 THROUGH LANES ONTO I.R. 77 NORTHBOUND TO I.R. 90 EASTBOUND INTERCHANGE RAMP.

I.R. 77 NORTHBOUND EXIT RAMP TO COMMUNITY COLLEGE AVE. AND E. 14TH ST. NORTHBOUND
 - CLOSE EXIT RAMP PER MT-98.29 AND MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 101

I.R. 77 NORTHBOUND EXIT RAMP TO E. 14TH ST. SOUTHBOUND
 - REMOVE CURB, COVER CATCH BASINS, AND PLACE TEMPORARY PAVEMENT ALONG E. 14TH ST. SOUTHBOUND PRIOR TO PHASE 1 TO MAINTAIN ONE LANE OF TRAFFIC TO E. 14TH ST. SOUTHBOUND AT ALL TIMES.

E. 14TH ST.
 - CLOSE E. 14TH ST. PER MT-101.60 BETWEEN CARNEGIE AVE. AND ORANGE AVE. DETOUR TRAFFIC AS SHOWN ON SHEET 100
 - CLOSE SIDEWALK AND DETOUR PEDESTRIAN TRAFFIC PER MT. 110.10 AND AS SHOWN ON SHEET 114

COMMUNITY COLLEGE AVE.
 - CLOSE COMMUNITY COLLEGE AVE. PER MT-101.60 BETWEEN E. 14TH ST. AND E. 22ND ST. DETOUR TRAFFIC AS SHOWN ON SHEET 100

CARNEGIE AVE.
 - RESTRICT EASTBOUND CURB LANE TO RIGHT TURN ONLY MOVEMENT EAST OF THE CARNEGIE AVE./E. 14TH ST. INTERSECTION. REOPEN EASTBOUND CURB LANE WEST OF E. 18TH ST. DETOUR PEDESTRIANS FROM SOUTH SIDE OF CARNEGIE AVE. TO NORTH SIDE OF CARNEGIE AVE. CROSSING CARNEGIE AVE. ON THE WEST END OF THE E. 14TH ST. INTERSECTION AND THE WEST END OF THE E. 19TH ST. INTERSECTION.

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

I.R. 77 SOUTHBOUND
 - BUILD CONNECTION BETWEEN BRIDGE 9 REAR ABUTMENT AND I.R. 77 SOUTHBOUND END PROJECT TIE-IN LIMITS

I.R. 90 WESTBOUND / RAMP A2
 - BUILD PORTIONS OF I.R. 90 WESTBOUND PAVEMENT BETWEEN BRIDGE 10 FORWARD ABUTMENT / BRIDGE 9 FORWARD ABUTMENT AND EXISTING I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 21ST ST.

I.R. 90 EB EXIT RAMP
 - BUILD RAMP IB5 FROM I.R. 90 EB TO E. 9TH ST.

BRIDGES:

BRIDGE 9 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)
 - BUILD PIERS 1, 2, 3, AND 4
 - BUILD REAR AND FORWARD ABUTMENTS
 - BUILD BRIDGE DECK BETWEEN REAR ABUTMENT AND PIER 4

RETAINING WALLS:

- BUILD WALL N
 - BUILD WALL S
 - BUILD WALL AD

PHASE 2

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 EASTBOUND EXIT RAMP
 - BUILD RAMP IB5 FROM I.R. 90 EB TO E. 9TH ST. NORTHBOUND

BRIDGES:

EXISTING CEDAR AVE. BRIDGE OVER I.R. 90
 - REMOVE EXISTING CEDAR AVE. BRIDGE DECK, ABUTMENTS, AND WING WALLS.

EXISTING E. 22ND ST. BRIDGE OVER I.R. 90
 - REMOVE EXISTING E. 22ND ST. BRIDGE DECK OVER I.R. 90. INSTALL TEMPORARY SHORING BEHIND EXISTING RETAINING WALL SOUTH OF I.R. 90 BETWEEN E. 22ND ST. AND CEDAR AVE. BRIDGES. INSTALL DRILLED SHAFTS FOR REAR AND FORWARD ABUTMENTS. COMPLETE CONSTRUCTION OF REAR ABUTMENT PRIOR TO CONSTRUCTION OF WALL AE EAST AND WALL AF WEST. ONCE WALL AE EAST, WALL AF WEST, WALL AG, TEMPORARY SHORING, AND BOTH E.22ND ST. BRIDGE OVER I.R. 90 ABUTMENT DRILLED SHAFTS ARE INSTALLED, EXCAVATE AND REMOVE EXISTING RETAINING WALLS ON BOTH SIDES OF I.R. 90 BETWEEN E. 22ND ST. AND CEDAR AVE. BRIDGES.

BRIDGE 13 (E. 22ND ST. BRIDGE OVER I.R. 90)
 - BUILD REAR ABUTMENT DRILLED SHAFTS 14 - 46
 - BUILD FORWARD ABUTMENT AND PIER 1
 - BUILD SUPERSTRUCTURE AFTER WORK DESCRIBED ABOVE IS COMPLETE. OMIT CONSTRUCTION OF WESTERN PORTION OF BRIDGE DECK, REAR ABUTMENT DRILLED SHAFTS 1 - 13, AND CURBED MEDIANS ON E. 22ND ST.

BRIDGE 16 (E. 22ND ST. WEST BRIDGE OVER I.R. 90 EASTBOUND)
 - BUILD REAR ABUTMENT DRILLED SHAFTS 1 - 3 AND 42 - 63

RETAINING WALLS:

WALL AE EAST
 - BUILD WALL AE EAST PRIOR TO REMOVAL OF EXISTING RETAINING WALL ON NORTH SIDE OF I.R. 90 BETWEEN E. 22ND ST. AND CEDAR AVE.

WALL AF WEST
 - BUILD WALL AF WEST PRIOR TO REMOVAL OF EXISTING RETAINING WALL ON NORTH SIDE OF I.R. 90 BETWEEN E. 22ND ST. AND CEDAR AVE.

WALL AG
 - BUILD WALL AG PRIOR TO REMOVAL OF EXISTING RETAINING WALL ON SOUTH SIDE OF I.R. 90 BETWEEN E. 22ND ST. AND CEDAR AVE.

- BUILD WALL AF EAST

UTILITIES:

- TEMPORARILY RELOCATE CPP PRIOR TO REMOVAL OF EX. E. 22ND ST. BRIDGE OVER I.R. 90. SEE SHEET 1388 FOR DETAILS.
 - INSTALL WATERLINE, CPP ELECTRIC DUCT, GAS, AND TELECOM DUCT ALONG E. 22ND ST. FROM CENTRAL AVE. TO CARNEGIE AVE., UNDER BRIDGE 13 DECK.

SIGNALS:

- RELOCATE SIGNAL HEADS AT CARNEGIE AVE./E. 14TH ST. AND CARNEGIE AVE./E. 18TH ST. INTERSECTIONS
 - REMOVE EXISTING SIGNAL AND INSTALL TEMPORARY WOOD POLE AND SPAN WIRE SIGNAL AT CARNEGIE AVE./E. 22ND ST. INTERSECTION. DO NOT CONSTRUCT SIDEWALK IN AREAS AFFECTED BY TEMPORARY WOOD POLES.
 - INSTALL CONTROLLER PULL BOXES, CABINET FOUNDATION, SIGNAL POLE FOUNDATIONS, PEDESTAL FOUNDATIONS, AND CONDUIT ON THE SOUTHEAST AND SOUTHWEST QUADRANTS OF THE CARNEGIE AVE./E. 22ND ST. INTERSECTION.
 - INSTALL PULL BOXES, CONDUIT, AND SIGNAL POLE FOUNDATION ON THE NORTHEAST AND NORTHWEST QUADRANTS OF E. 22ND ST./CENTRAL AVE. INTERSECTION WITHIN THE WORK ZONE.

PHASE 2 (CONTINUED)

MAINTENANCE OF TRAFFIC:

I.R. 77 NORTHBOUND
 - MAINTAIN 3 LANES ON I.R. 77 NORTHBOUND WITH 1 LANE DESTINED FOR I.R. 90 EASTBOUND, E. 14TH ST. SOUTHBOUND, E. 14TH ST. NORTHBOUND AND A RAMP OPENING FOR E. 22ND ST./COMMUNITY COLLEGE AVE.

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
 - CLOSE EXIT RAMP PER MT-98.29 AND MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 104

I.R. 90 EASTBOUND EXIT RAMP TO E. 9TH ST. NORTHBOUND
 - CLOSE EXIT RAMP PER MT-98.29 AND MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 102

E. 22ND ST.
 - CLOSE E. 22ND ST. PER MT-101.60 BETWEEN CARNEGIE AVE. AND CENTRAL AVE. DETOUR TRAFFIC AS SHOWN ON SHEET 103
 - CLOSE SIDEWALK AND DETOUR PEDESTRIAN TRAFFIC PER MT. 110.10 AND AS SHOWN ON SHEET 115

CEDAR AVE.
 - CLOSE CEDAR AVE. PER MT-101.60 TO THROUGH TRAFFIC BETWEEN CARNEGIE AVE. AND E. 28TH ST. DETOUR TRAFFIC AS SHOWN ON SHEET 103
 - CLOSE SIDEWALK AND DETOUR PEDESTRIAN TRAFFIC PER MT. 110.10 AND AS SHOWN ON SHEET 115

E. 30TH ST./CENTRAL AVE AND E. 30TH ST./CEDAR AVE. INTERSECTIONS
 - REVISE LANE CONFIGURATIONS AND PAVEMENT MARKINGS TO PERMIT BUS TURNING MOVEMENTS PRIOR TO BEGINNING PHASE 2. FOR DETAILS SEE SHEET 223

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

I.R. 77 SOUTHBOUND
 - BUILD CONNECTION BETWEEN BRIDGE 9 REAR ABUTMENT AND I.R. 77 SOUTHBOUND END TIE-IN LIMITS

I.R. 90 WESTBOUND / RAMP A2
 - BUILD PORTIONS OF I.R. 90 WESTBOUND PAVEMENT BETWEEN BRIDGE 10 FORWARD ABUTMENT / BRIDGE 9 FORWARD ABUTMENT AND EXISTING I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 21ST ST.

BRIDGES:

BRIDGE 9 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)
 - BUILD PIERS 1, 2, 3, AND 4
 - BUILD REAR AND FORWARD ABUTMENTS
 - BUILD BRIDGE DECK BETWEEN REAR ABUTMENT AND PIER 4

RETAINING WALLS:

- BUILD WALL N
 - BUILD WALL S
 - BUILD WALL AD
 - BUILD WALL AE WEST

DESIGN AGENCY

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INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
79 | 2339

SEQUENCE OF CONSTRUCTION (CONTINUED)

PHASE 3

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 EASTBOUND
 - BUILD I.R. EASTBOUND TEMPORARY PAVEMENT BETWEEN E. 22ND ST. AND END PROJECT LIMITS AFTER REMOVAL OF EXISTING CARNEGIE AVE. BRIDGE OVER I.R. 90 AND EXCAVATION. SEE SHEETS 135 TO 149 FOR DETAILS.

I.R. 90 WESTBOUND
 - REMOVE EXISTING MEDIAN BARRIER AND PLACE TEMPORARY PAVEMENT FOR SINGLE I.R. 90 WESTBOUND CROSSOVER LANE EAST OF EUCLID AVE.

BRIDGES:

EXISTING CARNEGIE AVE. BRIDGE OVER I.R. 90
 - REMOVE EXISTING CARNEGIE AVE. BRIDGE DECK, FORWARD ABUTMENT AND WING WALLS. EXISTING REAR ABUTMENT AND WING WALLS TO REMAIN.

BRIDGE 14 (CARNEGIE AVE. BRIDGE OVER I.R. 90)
 - BUILD FORWARD ABUTMENT

RETAINING WALLS:

- BUILD WALL AI

UTILITIES:

- TEMPORARILY RELOCATE CPP PRIOR TO REMOVAL OF EX. CARNEGIE AVE. BRIDGE OVER I.R. 90. SEE SHEET 1389 FOR DETAILS.

MAINTENANCE OF TRAFFIC:

I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 21ST ST.
 - CLOSE ENTRANCE RAMP PER MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 105

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
 - CLOSE ENTRANCE RAMP PER MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
 - TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
 - CLOSE CARNEGIE AVE. PER MT-101.60 BETWEEN E. 22ND ST. AND E. 30TH ST. DETOUR TRAFFIC AS SHOWN ON SHEET 106
 - CLOSE SIDEWALK AND DETOUR PEDESTRIAN TRAFFIC PER MT-110.10 AND AS SHOWN ON SHEET 116

CEDAR AVE.
 - CLOSE CEDAR AVE. PER MT-101.60 BETWEEN CARNEGIE AVE. AND E. 28TH ST. DETOUR TRAFFIC AS SHOWN ON SHEET 106
 - CLOSE SIDEWALK AND DETOUR PEDESTRIAN TRAFFIC PER MT-110.10 AND AS SHOWN ON SHEET 116

PHASE 3 (CONTINUED)

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

I.R. 77 SOUTHBOUND
 - BUILD CONNECTION BETWEEN BRIDGE 9 REAR ABUTMENT AND I.R. 77 SOUTHBOUND END TIE-IN LIMITS

I.R. 90 WESTBOUND
 - BUILD PORTIONS OF I.R. 90 WESTBOUND FROM BRIDGE 9 FORWARD ABUTMENT TO UNDER BRIDGE 13
 - BUILD I.R. 90 WESTBOUND TEMPORARY CROSSOVER PAVEMENT BETWEEN E. 14TH ST. AND E. 22ND ST.

I.R. 77 SOUTHBOUND ENTRANCE RAMPS
 - BUILD I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 21ST ST.

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
 - BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

BRIDGES:

BRIDGE 9 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)
 - BUILD PIERS 1, 2, 3, AND 4
 - BUILD REAR AND FORWARD ABUTMENTS
 - BUILD BRIDGE DECK BETWEEN REAR ABUTMENT AND PIER 4

RETAINING WALLS:

- BUILD WALL N
 - BUILD WALL S
 - BUILD WALL AD
 - BUILD WALL AE WEST

SIGNALS:

- REMOVE EXISTING AND INSTALL PROPOSED SIGNAL FACILITIES ON THE SOUTHERN SIDES OF THE E. 21ST ST. AND CARNEGIE AVE. INTERSECTION.

PHASE 4

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 WESTBOUND
 - REMOVE EXISTING I.R. 90 MEDIAN BARRIER AT CROSSOVER LOCATIONS AND INSTALL TEMPORARY PAVEMENT WEDGING ON EXISTING I.R. 90 EASTBOUND PAVEMENT ONCE I.R. 90 EASTBOUND LANES ARE UTILIZING TEMPORARY RUNAROUND PAVEMENT CONSTRUCTED IN PHASE 3. SHIFT I.R. 90 WESTBOUND TRAVEL LANES ONTO EXISTING I.R. 90 EASTBOUND PAVEMENT ONCE TEMPORARY PAVEMENT INSTALLED. SEE SHEETS 150 TO 149 FOR DETAILS.

- BUILD I.R. 90 WESTBOUND PAVEMENT BETWEEN BRIDGE 10 APPROACH SLAB AND END PROJECT LIMITS
 - BUILD I.R. 90 WESTBOUND TEMPORARY CROSSOVER PAVEMENT BETWEEN E. 14TH ST. AND E. 22ND ST. SEE SHEETS 169 TO 174 FOR DETAILS.
 - BUILD I.R. 90 WESTBOUND TEMPORARY CROSSOVER PAVEMENT BETWEEN ONTARIO ST. AND E. 9TH ST. SEE SHEETS 175 TO 184 FOR DETAILS.

I.R. 77 SOUTHBOUND
 - BUILD CONNECTION BETWEEN BRIDGE 9 REAR ABUTMENT AND I.R. 77 SOUTHBOUND END TIE-IN LIMITS

I.R. 77 SOUTHBOUND ENTRANCE RAMPS
 - BUILD I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 21ST ST.

CARNEGIE AVE.
 - BUILD CARNEGIE AVE. PAVEMENT FROM STA. 48+00.00 TO PR. BRIDGE 14 REAR ABUTMENT. FOR SUBPHASING DETAILS OF CONSTRUCTION BETWEEN E. 21ST ST. AND E. 22ND ST., SEE SHEETS 248 TO 250

BRIDGES:

EXISTING BRIDGE E5 (I.R. 90 BRIDGE OVER I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)
 - REMOVE PORTIONS OF BRIDGE DECK AND SUBSTRUCTURE. FOR DETAILS SEE SHEET 1956

EXISTING BRIDGE E6 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP BRIDGE)
 - REMOVE PORTIONS OF BRIDGE DECK AND SUBSTRUCTURE. FOR DETAILS SEE SHEET 1963

EXISTING CARNEGIE AVE. BRIDGE OVER I.R. 90
 - REMOVE EXISTING REAR ABUTMENT AND WING WALLS.

- BUILD BRIDGE 9 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)

BRIDGE 14 (CARNEGIE AVE. BRIDGE OVER I.R. 90)
 - BUILD REAR ABUTMENT. FOR REAR ABUTMENT STAGED CONSTRUCTION DETAILS SEE SHEET 1828

RETAINING WALLS:

- BUILD WALL N
 - BUILD WALL S
 - BUILD WALL AD
 - BUILD WALL AE WEST
 - BUILD WALL AH

SIGNALS:

- INSTALL ALL PROPOSED SIGNAL FACILITIES AT CARNEGIE AVE./MIDTOWN CONNECTOR INTERSECTION.

PHASE 4 - SUBPHASE A (CARNEGIE AVE./E. 22ND ST. INTERSECTION)

WORK TO BE COMPLETED THIS SUBPHASE:

PAVEMENT:

- BUILD SOUTH SIDE OF CARNEGIE AVE. BETWEEN E. 21ST ST. AND E. 22ND ST.

SIGNALS:

- RELOCATE SIGNAL HEADS ON EX. SP-1 AT CARNEGIE AVE./E. 21ST ST. INTERSECTION.
 - INSTALL PULL BOXES, SIGNAL POLE FOUNDATIONS, PEDESTAL FOUNDATION, AND CONDUIT ON SOUTHEAST AND SOUTHWEST QUADRANTS OF THE CARNEGIE AVE./E. 21ST ST. INTERSECTION.
 - INSTALL TEMPORARY TRAFFIC SIGNAL TRAILERS AT THE CARNEGIE AVE./E. 21ST ST. INTERSECTION.
 - RELOCATE SIGNAL HEADS AT THE CARNEGIE AVE./E. 22ND ST. INTERSECTION.

PHASE 4 (CONTINUED)

WORK TO BE COMPLETED THIS PHASE (CONTINUED):

PHASE 4 - SUBPHASE B (CARNEGIE AVE./E. 22ND ST. INTERSECTION)

WORK TO BE COMPLETED THIS SUBPHASE:

PAVEMENT:

- BUILD NORTH SIDE OF CARNEGIE AVE. BETWEEN E. 21ST ST. AND E. 22ND ST.

SIGNALS:

- INSTALL REMAINING PULL BOXES, SIGNAL POLE FOUNDATIONS, PEDESTAL FOUNDATIONS, AND CONDUIT AT THE CARNEGIE AVE./E. 21ST ST. INTERSECTION.
 - RELOCATE SIGNAL HEADS AT THE CARNEGIE AVE./E. 22ND ST. INTERSECTION.
 - INSTALL PULL BOX, SIGNAL POLE FOUNDATION, PEDESTAL FOUNDATION, AND CONDUIT AT THE NORTHWEST QUADRANT OF THE CARNEGIE AVE./E. 22ND ST. INTERSECTION.

MAINTENANCE OF TRAFFIC:

E. 22ND ST. BICYCLE LANE
 - CLOSE E. 22ND ST. BICYCLE LANE AT PROSPECT AVE. AND DETOUR BICYCLE TRAFFIC AS SHOWN ON SHEET 117

PHASE 4 - SUBPHASE C (CARNEGIE AVE./E. 22ND ST. INTERSECTION)

WORK TO BE COMPLETED THIS SUBPHASE:

PAVEMENT:

- BUILD NORTHEAST QUADRANT OF CARNEGIE AVE./E. 22ND ST. INTERSECTION

SIGNALS:

- INSTALL MAST ARMS AND SIGNAL HEADS AT THE CARNEGIE AVE./E. 21ST ST. INTERSECTION. THE PROPOSED SIGNAL EQUIPMENT SHALL BE OPERATING THE INTERSECTION.
 - RELOCATE SIGNAL HEADS AT THE CARNEGIE AVE./E. 22ND ST. INTERSECTION.
 - INSTALL PULL BOX, SIGNAL POLE FOUNDATION, PEDESTAL FOUNDATION, AND CONDUIT AT THE NORTHEAST QUADRANT OF THE CARNEGIE AVE./E. 22ND ST. INTERSECTION.

MAINTENANCE OF TRAFFIC:

BRIDGE 9 CONSTRUCTION
 - CLOSE I.R.71/I.R. 90 FROM THE I.R.71/I.R. 490 INTERCHANGE TO THE I.R. 90/I.R. 77 INTERCHANGE FOR A MAXIMUM OF 4 WEEKENDS TO ERECT AND SET STEEL GIRDERS ON PR. BRIDGE 9. DETOUR TRAFFIC AS SHOWN ON SHEET 109

I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 21ST ST.
 - TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 108

I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 14TH ST.
 - CLOSE ENTRANCE RAMP PER MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 108

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
 - TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 WESTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
 - CLOSE ENTRANCE RAMP PER MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
 - TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
 - TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106
 - DETOUR PEDESTRIAN TRAFFIC AS SHOWN ON SHEET 116

CEDAR AVE.
 - TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

I.R. 90 WESTBOUND ENTRANCE RAMPS
 - BUILD I.R. 90 WESTBOUND ENTRANCE RAMP FROM E.14TH ST.

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
 - BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

DESIGN AGENCY

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DESIGNER

REVIEWER

PROJECT ID

82382

SHEET TOTAL

80 2339

SEQUENCE OF CONSTRUCTION (CONTINUED)

PHASE 5

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 WESTBOUND
- BUILD PORTION OF I.R. 90 WESTBOUND PAVEMENT AND MEDIAN BARRIER BETWEEN E. 22ND ST. AND END PROJECT LIMITS.
- BUILD PORTIONS OF I.R. 90 WESTBOUND PAVEMENT AND MEDIAN BARRIER BETWEEN BEGIN PROJECT LIMITS AND BRIDGE 10 REAR ABUTMENT.

I.R. 90 WESTBOUND ENTRANCE RAMPS
- BUILD I.R. 90 WESTBOUND ENTRANCE RAMP FROM E. 14TH ST.

BRIDGES:

- REMOVE REMAINING PORTION OF EXISTING BRIDGE E6 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP BRIDGE)

EXISTING BRIDGE E7 (I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP OVER E. 14TH ST.)
- REMOVE PORTION OF EXISTING BRIDGE E7. FOR DETAILS SEE SHEET 1614

- BUILD BRIDGE 10 (I.R. 90 WESTBOUND OVER E. 14TH ST.)

BRIDGE 11 (I.R. 90 EASTBOUND OVER E. 14TH ST.)
- BUILD PIER LEFT TWO (NORTHERN) FOOTINGS AND COLUMNS

RETAINING WALLS:

- BUILD WALL AC

MAINTENANCE OF TRAFFIC:

I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 14TH ST. CLOSED PERMANENTLY; FINAL CONDITION TRAFFIC TO USE I.R. 77 SOUTHBOUND ENTRANCE RAMP FROM E. 21ST ST.

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 WESTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106
DETOUR PEDESTRIAN TRAFFIC AS SHOWN ON SHEET 116

CEDAR AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
- BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

SIGNALS:

- INSTALL MAST ARMS AND SIGNAL HEADS AT THE CARNEGIE AVE./E. 22ND ST. INTERSECTION. THE PROPOSED SIGNAL EQUIPMENT SHALL BE OPERATING AT THIS INTERSECTION.
- REMOVE TEMPORARY WOOD POLE AND SPAN WIRE SIGNAL AT THE CARNEGIE AVE./E. 22ND ST. INTERSECTION. CONSTRUCT SIDEWALK IN THE AREAS AFFECTED BY THE TEMPORARY WOOD POLES.

PHASE 6

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 WESTBOUND
- BUILD REMAINING PORTIONS OF I.R. 90 WESTBOUND PAVEMENT AND MEDIAN BARRIER BETWEEN BEGIN PROJECT LIMITS AND TO STA. 182+00 AND FROM STA. 201+25 TO STA. 207+20.

MAINTENANCE OF TRAFFIC:

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 WESTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106
DETOUR PEDESTRIAN TRAFFIC AS SHOWN ON SHEET 116

CEDAR AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
- BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

PHASE 7

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 EASTBOUND
- BUILD PORTIONS OF I.R. 90 EASTBOUND PAVEMENT AND MEDIAN BARRIER BETWEEN BEGIN PROJECT LIMITS AND END PROJECT LIMITS.

I.R. 90 WESTBOUND
- REMOVE I.R. 90 WESTBOUND TEMPORARY CROSSOVER PAVEMENT ON I.R. 90 BETWEEN ONTARIO ST. AND E. 9TH ST. AND RESTORE MEDIAN BACK TO EXISTING CONDITION.

I.R. 77 NORTHBOUND EXIT RAMP
- BUILD REMAINING PORTION OF RAMP H6 BETWEEN STA. 1187+43.56 TO E. 22ND ST INTERSECTION (END PROJECT LIMITS)

E. 14TH ST./COMMUNITY COLLEGE AVE.
- REMOVE TEMPORARY PAVEMENT CONNECTIONS BETWEEN E. 14TH ST. AND COMMUNITY COLLEGE AVE. AND BETWEEN COMMUNITY COLLEGE AVE. AND RAMP H6.
- BUILD COMMUNITY COLLEGE AVE. TURN-AROUND.

BRIDGES:

EXISTING BRIDGE E8 (I.R. 90 AND INTERCHANGE RAMPS OVER E. 14TH ST.)
- REMOVE I.R. 90 WESTBOUND PORTION OF EXISTING BRIDGE E8. FOR DETAILS SEE SHEET 1613

EXISTING BRIDGE E5 (I.R. 90 BRIDGE OVER I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)
- REMOVE I.R. 90 WESTBOUND PORTION OF EXISTING BRIDGE E5. FOR DETAILS SEE SHEET 1956

- BUILD BRIDGE 11 (I.R. 90 EASTBOUND OVER E. 14TH ST.)

BRIDGE 16 (E. 22ND ST. WEST BRIDGE OVER I.R. 90 EASTBOUND)
- BUILD PIER 1

SIGNALS:

- REMOVE NECESSARY EXISTING SIGNAL EQUIPMENT AND INSTALL ALL PROPOSED SIGNAL FACILITIES AT E. 22ND ST./COMMUNITY COLLEGE AVE. INTERSECTION. THE PROPOSED SIGNAL EQUIPMENT SHALL BE OPERATING THE INTERSECTION.

MAINTENANCE OF TRAFFIC:

I.R. 77 NORTHBOUND EXIT RAMP TO E. 22ND ST.
- CLOSE EXIT RAMP PER MT-98.29 AND MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 110

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 111
DETOUR PEDESTRIAN TRAFFIC AS SHOWN ON SHEET 116

CEDAR AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 111

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
- BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

PHASE 8

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 EASTBOUND
- BUILD PORTIONS OF I.R. 90 EASTBOUND PAVEMENT BETWEEN BEGIN PROJECT LIMITS STA. 179+92 AND FROM STA. 198+75 TO END PROJECT LIMITS.

I.R. 77 NORTHBOUND EXIT RAMPS
- BUILD PORTIONS OF RAMP H5 BETWEEN STA. 988+50.00 TO STA. 990+40.00
- BUILD TEMPORARY PAVEMENT CONNECTION BETWEEN RAMP H5 AND I.R. 90 EASTBOUND EXISTING PAVEMENT. SEE SHEETS 185 TO 195 FOR DETAILS.

BRIDGES:

BRIDGE 14 (CARNEGIE AVE. BRIDGE OVER I.R. 90)
- BUILD PIER 1

MAINTENANCE OF TRAFFIC:

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 111
DETOUR PEDESTRIAN TRAFFIC AS SHOWN ON SHEET 116

CEDAR AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
- BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

DESIGN AGENCY

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PROJECT ID
82382

SHEET TOTAL
81 2339

SEQUENCE OF CONSTRUCTION (CONTINUED)

PHASE 9

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 EASTBOUND
- BUILD PORTIONS OF I.R. 90 EASTBOUND PAVEMENT BETWEEN RAMP H5 TO E. 22ND ST.

I.R. 77 NORTHBOUND
- BUILD I.R. 77 NORTHBOUND PAVEMENT BETWEEN BEGIN PROJECT LIMITS AND RAMP IH4 GORE.

I.R. 77 NORTHBOUND EXIT RAMP
- BUILD PORTIONS OF RAMP H5 BETWEEN STA. 990+40.00 AND PROPOSED I.R. 90 EASTBOUND PAVEMENT. OMIT 12' WIDE SECTION OF RAMP H5 BETWEEN THESE LIMITS TO MAINTAIN I.R. 77 NORTHBOUND TO I.R. 90 EASTBOUND INTERCHANGE RAMP AT ALL TIMES.

I.R. 77 SOUTHBOUND ENTRANCE RAMP
- BUILD RAMP IJ3 BETWEEN E. 14TH ST. SOUTHBOUND AND EXISTING I.R. 77 SOUTHBOUND.

BRIDGES:

EXISTING BRIDGE E8/E9 (I.R. 90 AND INTERCHANGE RAMP OVER E. 14TH ST.)
- REMOVE REMAINING PORTION OF EXISTING BRIDGE E8/E9. FOR DETAILS SEE SHEET 1660

EXISTING BRIDGE E5 (I.R. 90 BRIDGE OVER I.R. 90 WESTBOUND TO I.R. 77 SOUTHBOUND INTERCHANGE RAMP)
- REMOVE REMAINING PORTION OF EXISTING BRIDGE E5. FOR DETAILS SEE SHEET 1956

BRIDGE 12 (RAMP B6 BRIDGE OVER E. 14TH ST. AND RAMP H5)
- BUILD PIERS 1 AND 2
- BUILD REAR ABUTMENT

RETAINING WALLS:

- BUILD WALL AJ

MAINTENANCE OF TRAFFIC:

I.R. 77 NORTHBOUND EXIT RAMP TO E. 14TH ST. SOUTHBOUND
- CLOSE EXIT RAMP PER MT-98.29 AND MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 112

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 111
DETOUR PEDESTRIAN TRAFFIC AS SHOWN ON SHEET 116

CEDAR AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106

WORK THAT MAY BE PERFORMED THIS PHASE:

PAVEMENT:

I.R. 90 EXIT RAMP
- BUILD PORTIONS OF RAMP H6 FROM BEGIN TO REAR ABUTMENT OF BRIDGE 12

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
- BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

PHASE 10

WORK TO BE COMPLETED THIS PHASE:

PAVEMENT:

I.R. 90 EASTBOUND
- BUILD REMAINING PORTIONS OF I.R. 90 EASTBOUND PAVEMENT BETWEEN BEGIN AND END PROJECT LIMITS.

I.R. 77 NORTHBOUND EXIT RAMP
- BUILD REMAINING 12' WIDE PORTION OF RAMP H5 THAT WAS OMITTED DURING PHASE 9 CONSTRUCTION.

I.R. 90 EASTBOUND EXIT RAMP
- BUILD RAMP B6

I.R. 90 EASTBOUND ENTRANCE RAMP
- BUILD I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90)
- BUILD CEDAR AVE. AND CARNEGIE AVE. PAVEMENT BETWEEN E. 28TH ST. AND I.R. 90. FOR SUBPHASING DETAILS SEE SHEETS 311 TO 318

BRIDGES:

BRIDGE 13 (E. 22ND ST. BRIDGE OVER I.R. 90)
- BUILD REAR ABUTMENT DRILLED SHAFTS 1 - 13
- BUILD WESTERN PORTION OF BRIDGE DECK
- BUILD CURBED MEDIANS ON E. 22ND ST.

- BUILD BRIDGE 12 (RAMP B6 BRIDGE OVER E. 14TH ST. AND RAMP H5)
- BUILD BRIDGE 14 (CARNEGIE AVE. BRIDGE OVER I.R. 90)

BRIDGE 16 (E. 22ND ST. WEST BRIDGE OVER I.R. 90 EASTBOUND)
- BUILD REAR ABUTMENT DRILLED SHAFTS 4 - 41
- BUILD SUPERSTRUCTURE

RETAINING WALLS:

- BUILD WALL Y
- BUILD WALL Z

SIGNALS:

- INSTALL ALL PROPOSED SIGNAL FACILITIES AT THE E. 22ND ST./CEDAR AVE. INTERSECTION. THE PROPOSED SIGNAL EQUIPMENT SHALL BE OPERATING THE INTERSECTION.
- INSTALL ALL REMAINING PROPOSED SIGNAL FACILITIES AT THE E. 22ND ST./CENTRAL AVE. INTERSECTION. THE PROPOSED SIGNAL SHALL BE OPERATING THE INTERSECTION.

MAINTENANCE OF TRAFFIC:

I.R. 90 EASTBOUND ENTRANCE RAMP FROM PROSPECT AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 107

I.R. 90 EASTBOUND EXIT RAMP TO E. 9TH ST. NORTHBOUND
- CLOSE EXIT RAMP PER MT-98.29 AND MT-101.60. DETOUR TRAFFIC AS SHOWN ON SHEET 113

I.R. 90 EASTBOUND EXIT RAMP TO CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 104

CARNEGIE AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 111
DETOUR PEDESTRIAN TRAFFIC AS SHOWN ON SHEET 116

CEDAR AVE.
- TO REMAIN CLOSED FROM PREVIOUS PHASE. DETOUR TRAFFIC AS SHOWN ON SHEET 106

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90) CONSTRUCTION

MAINTENANCE OF TRAFFIC:

PERFORM THE WORK DESCRIBED IN THE FOLLOWING SUBPHASES BETWEEN THE BEGINNING OF PHASE 3 AND THE END OF PHASE 10.

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90) SUBPHASE 1

WORK TO BE COMPLETED THIS SUBPHASE:

PAVEMENT:

CEDAR AVE.
- CONSTRUCT NORTHERN PAVEMENT AND SIDEWALK BETWEEN BRIDGE 16 APPROACH SLAB AND MIDTOWN CONNECTOR INTERSECTION. OMIT PORTIONS OF CURB AND SIDEWALK AND PLACE TEMPORARY PAVEMENT.

CARNEGIE AVE.
- CONSTRUCT NORTHERN PAVEMENT OF CARNEGIE AVE. FROM BRIDGE 14 APPROACH SLAB TO END PROJECT LIMITS.

SIGNALS:

- INSTALL ALL PROPOSED SIGNAL FACILITIES AT CARNEGIE AVE./MIDTOWN CONNECTOR INTERSECTION.

MAINTENANCE OF TRAFFIC:

FOR DETAILS, DETOURS, AND ADDITIONAL INFORMATION SEE SHEETS 311 TO 312

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90) SUBPHASE 2

WORK TO BE COMPLETED THIS SUBPHASE:

PAVEMENT:

CEDAR AVE.
- CONSTRUCT MIDDLE 10' WIDE PAVEMENT BETWEEN BRIDGE 16 APPROACH SLAB AND MIDTOWN CONNECTOR INTERSECTION.

CARNEGIE AVE.
- CONSTRUCT SOUTHERN PAVEMENT OF CARNEGIE AVE. FROM BRIDGE 14 APPROACH SLAB TO END PROJECT LIMITS.

MAINTENANCE OF TRAFFIC:

FOR DETAILS, DETOURS, AND ADDITIONAL INFORMATION SEE SHEETS 313 TO 314

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90) SUBPHASE 3

WORK TO BE COMPLETED THIS SUBPHASE:

PAVEMENT:

CEDAR AVE.
- CONSTRUCT SOUTHERN PAVEMENT BETWEEN BRIDGE 16 APPROACH SLAB AND END PROJECT LIMITS.

MAINTENANCE OF TRAFFIC:

FOR DETAILS, DETOURS, AND ADDITIONAL INFORMATION SEE SHEETS 315 TO 316

CEDAR AVE. / CARNEGIE AVE. (EAST OF I.R. 90) SUBPHASE 4

WORK TO BE COMPLETED THIS SUBPHASE:

PAVEMENT:

CEDAR AVE.
- CONSTRUCT REMAINING CURB AND SIDEWALK OMITTED IN SUBPHASE 1.

MAINTENANCE OF TRAFFIC:

FOR DETAILS, DETOURS, AND ADDITIONAL INFORMATION SEE SHEETS 317 TO 318

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

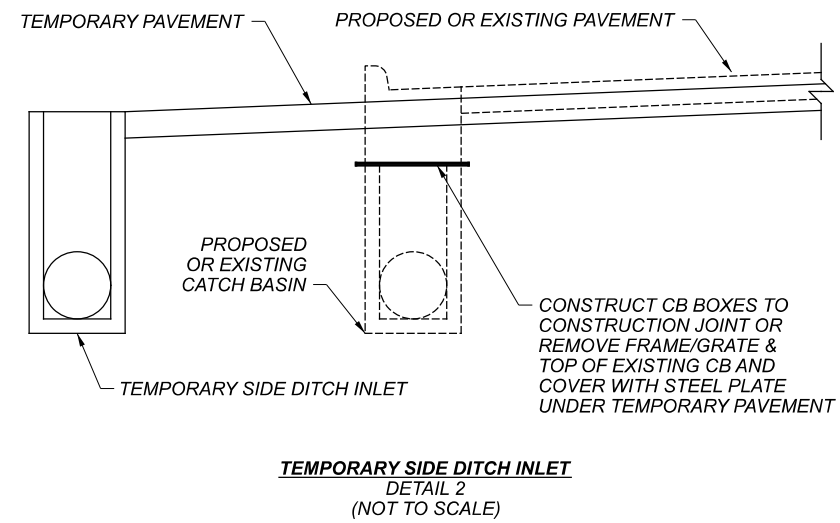
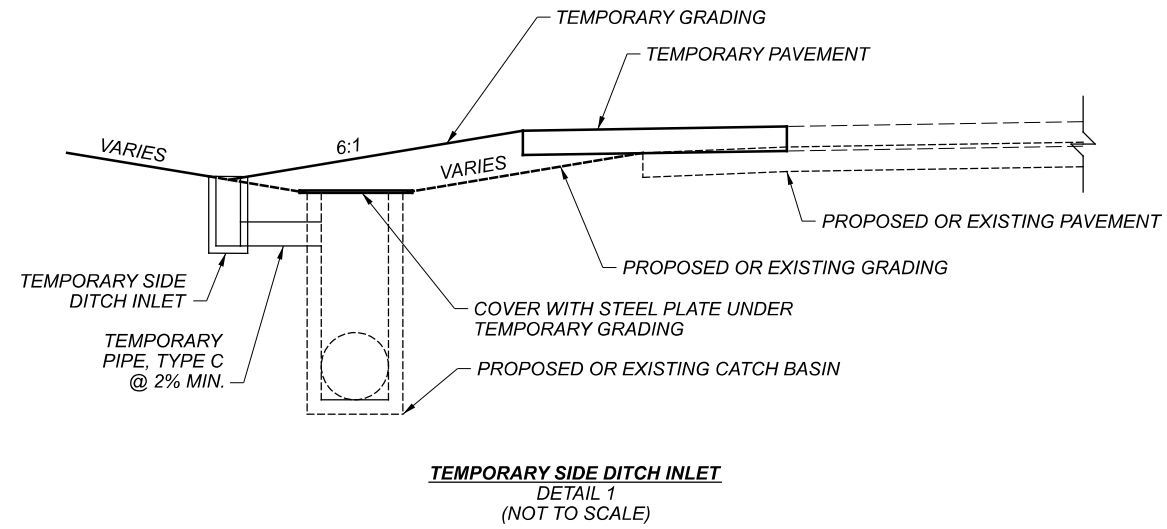
REVIEWER

PROJECT ID

82382

SHEET TOTAL

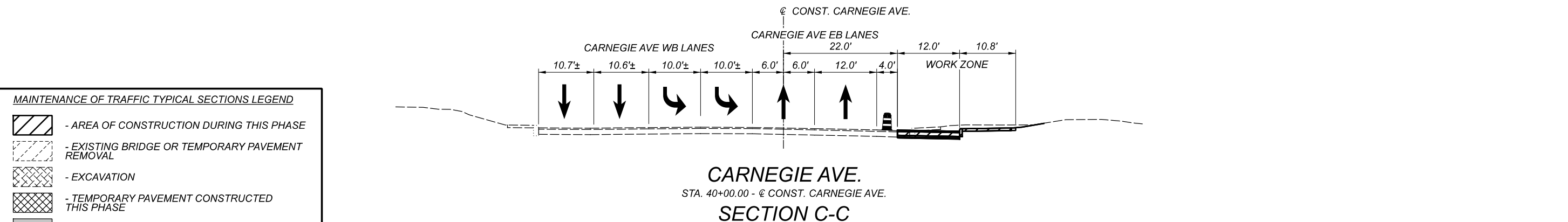
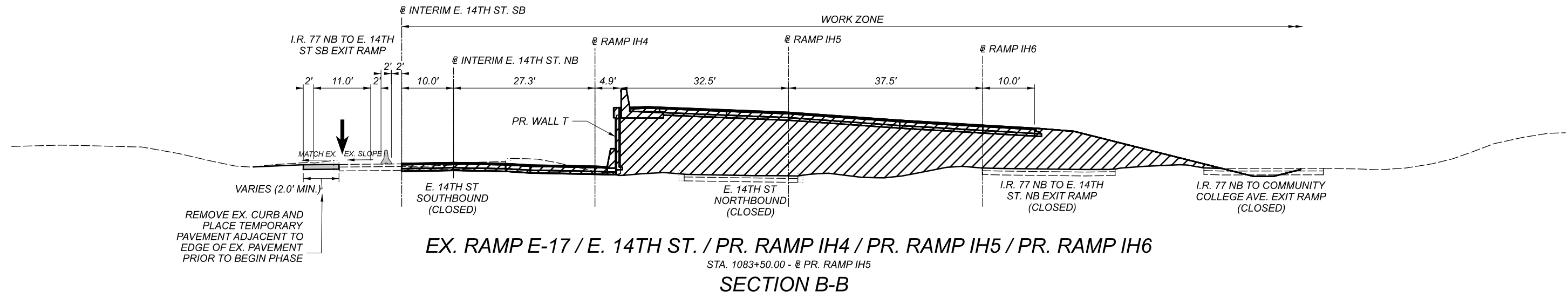
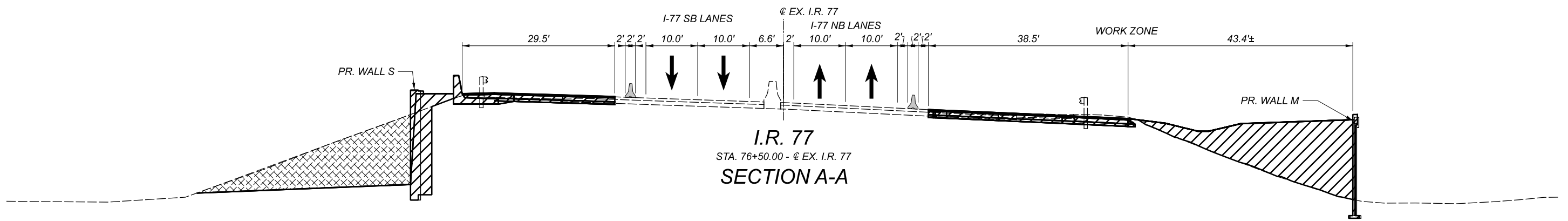
82 2339



TEMPORARY INLET SCHEDULE			
PHASE	ALIGNMENT	STATION	SIDE
1	EX. RAMP E-17	67+41	RT
1	INTERIM E. 14TH ST. SB	199+58	LT
1	INTERIM E. 14TH ST. SB	198+72	LT
1	INTERIM E. 14TH ST. SB	208+65	LT
1	RAMP H6	1188+53	RT
3	I.R. 90 TEMPORARY RUNAROUND	2+00	RT
3	I.R. 90 TEMPORARY RUNAROUND	2+98	RT
3	I.R. 90 TEMPORARY RUNAROUND	4+00	RT
3	I.R. 90 TEMPORARY RUNAROUND	4+50	RT
3	I.R. 90 TEMPORARY RUNAROUND	7+50	LT
3	EX. I.R. 90	98+67	RT
4	I.R. 90 WB WEST CROSSOVER	103+60	LT
4	I.R. 90 WB EAST CROSSOVER	5+00	LT
4	I.R. 90 WB EAST CROSSOVER	7+00	RT
8	TEMPORARY RAMP H5	106+69	RT
8	TEMPORARY RAMP H5	108+33	LT

TEMPORARY CB-6 SCHEDULE			
PHASE	ALIGNMENT	STATION	SIDE
3	EX. I.R. 90	105+51	RT

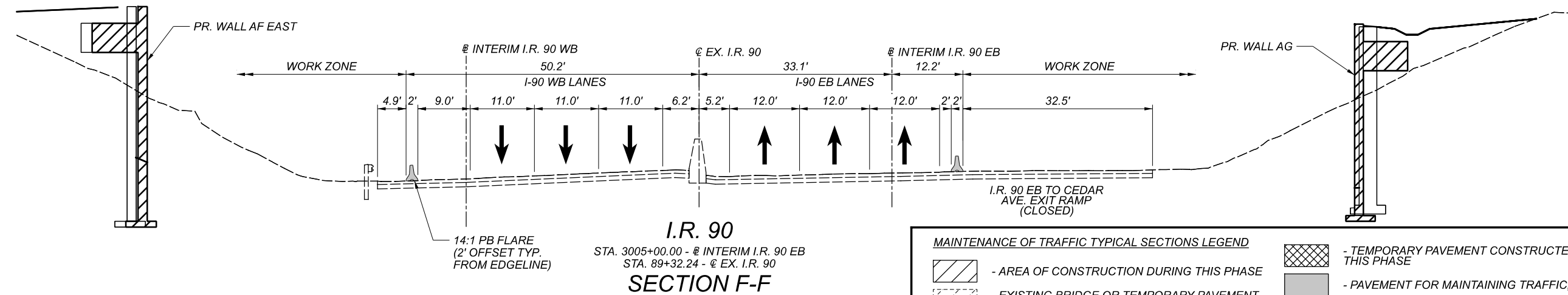
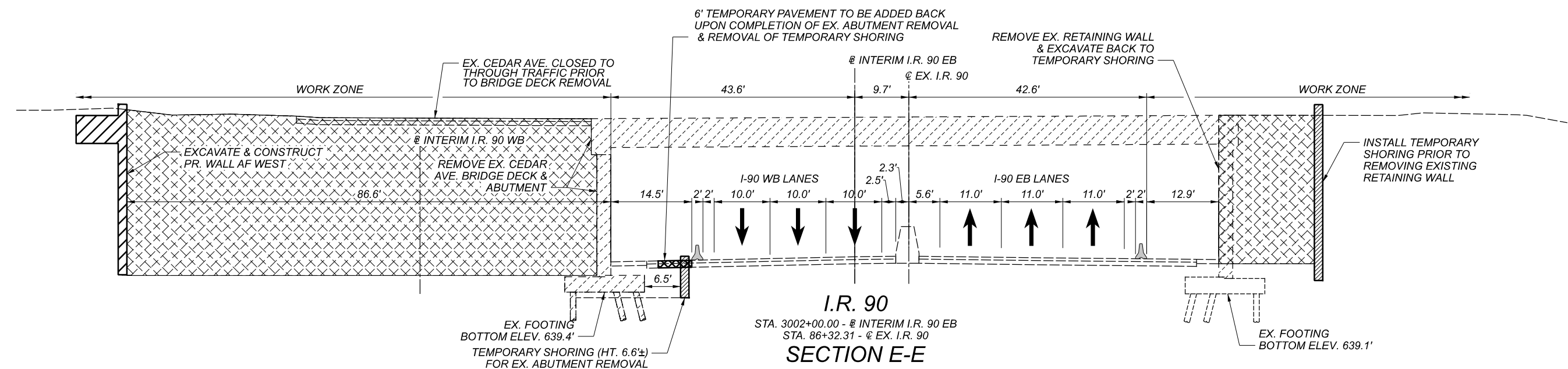
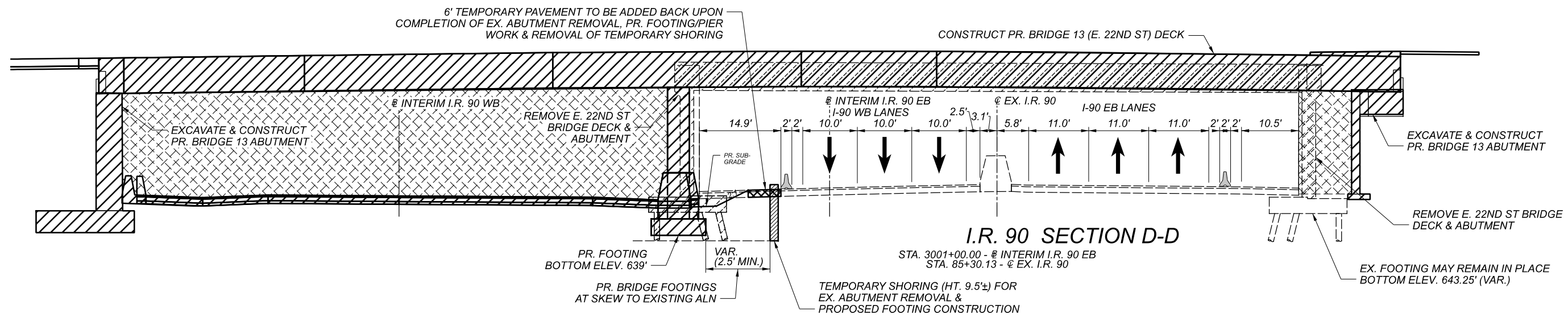
TEMPORARY MANHOLE SCHEDULE			
PHASE	ALIGNMENT	STATION	SIDE
4	EX. I.R. 90	93+90	LT
4	EX. I.R. 90	94+21	LT
4	EX. I.R. 90	97+41	LT
5	I.R. 90 EB	183+92	LT
5	EX. I.R. 90	94+67	RT
5	EX. I.R. 90	97+02	RT
5	EX. I.R. 90	97+17	RT
6	EX. I.R. 90	182+49	LT



MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

- AREA OF CONSTRUCTION DURING THIS PHASE
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- EXCAVATION
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- PORTABLE BARRIER (PB)
- DRUMS

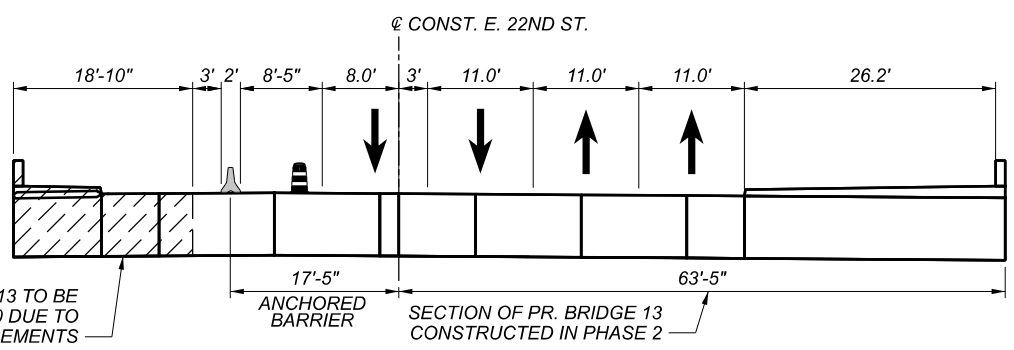
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DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	TOTAL
84	2339



MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

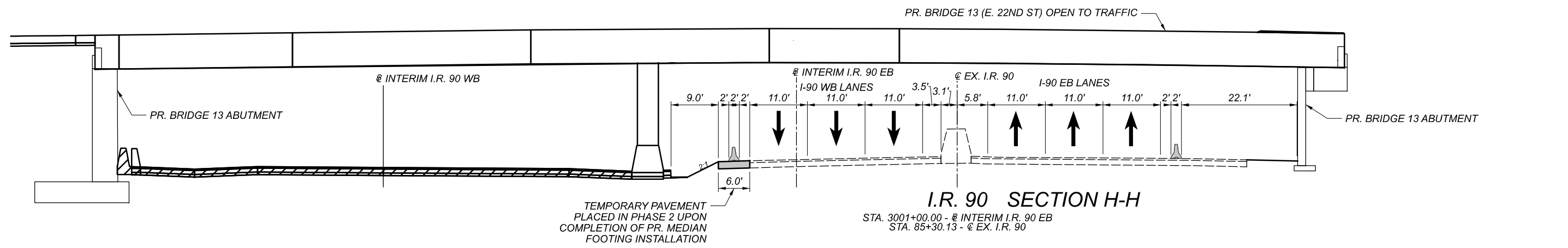
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	- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL		- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
	- EXCAVATION/REMOVAL		- PORTABLE BARRIER (PB)
			- DRUMS

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	85
TOTAL	2339



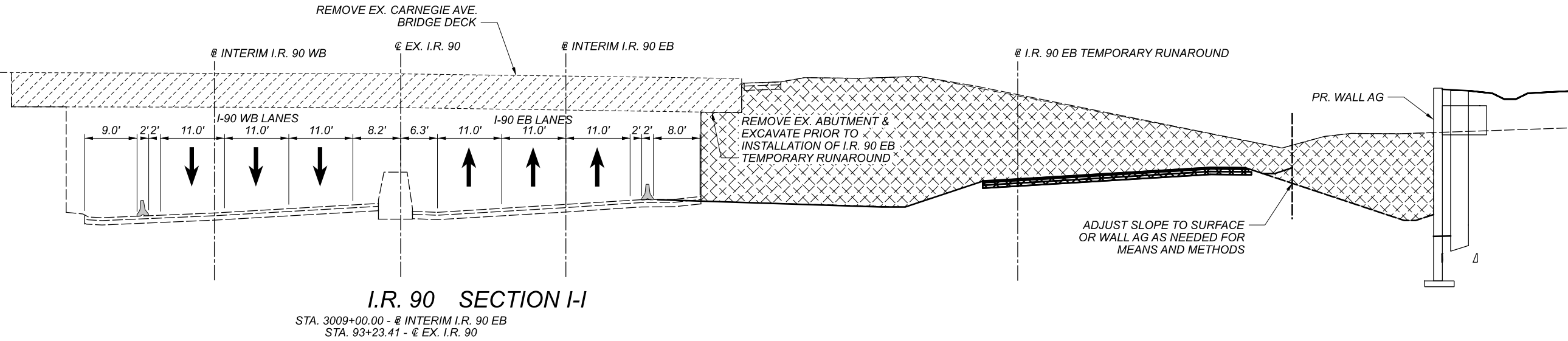
E. 22ND ST. SECTION G-G

STA. 35+00.00 - @ CONST. E. 22ND ST.



I.R. 90 SECTION H-H

STA. 3001+00.00 - @ INTERIM I.R. 90 EB
 STA. 85+30.13 - @ EX. I.R. 90

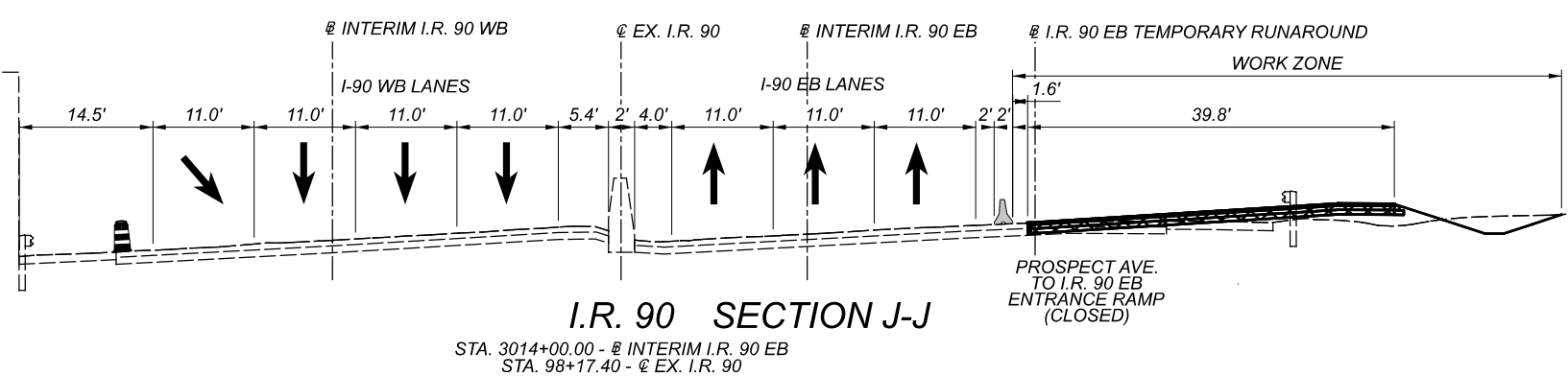


I.R. 90 SECTION I-I

STA. 3009+00.00 - @ INTERIM I.R. 90 EB
 STA. 93+23.41 - @ EX. I.R. 90

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

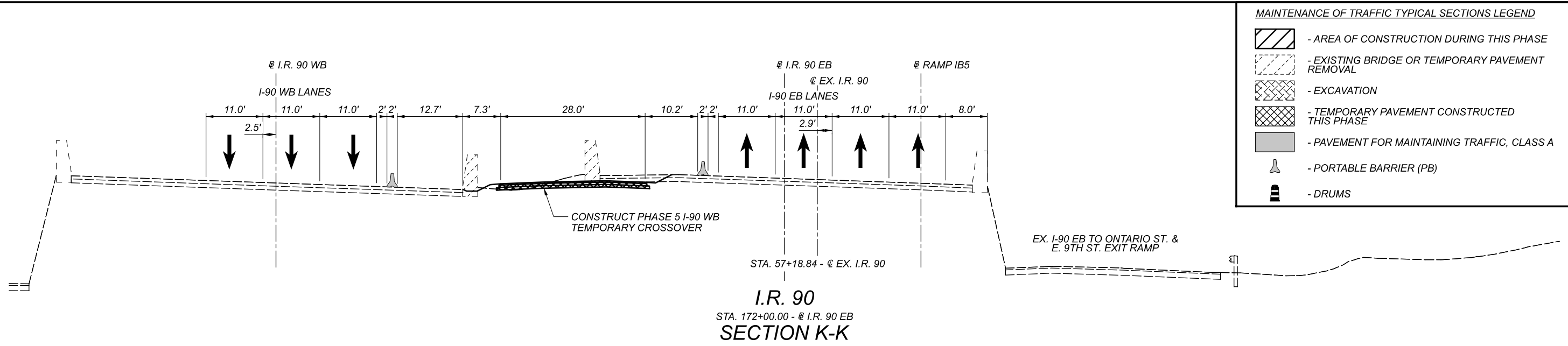
- AREA OF CONSTRUCTION DURING THIS PHASE
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- EXCAVATION
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- PORTABLE BARRIER (PB)
- DRUMS
- FUTURE BRIDGE TO BE CONSTRUCTED



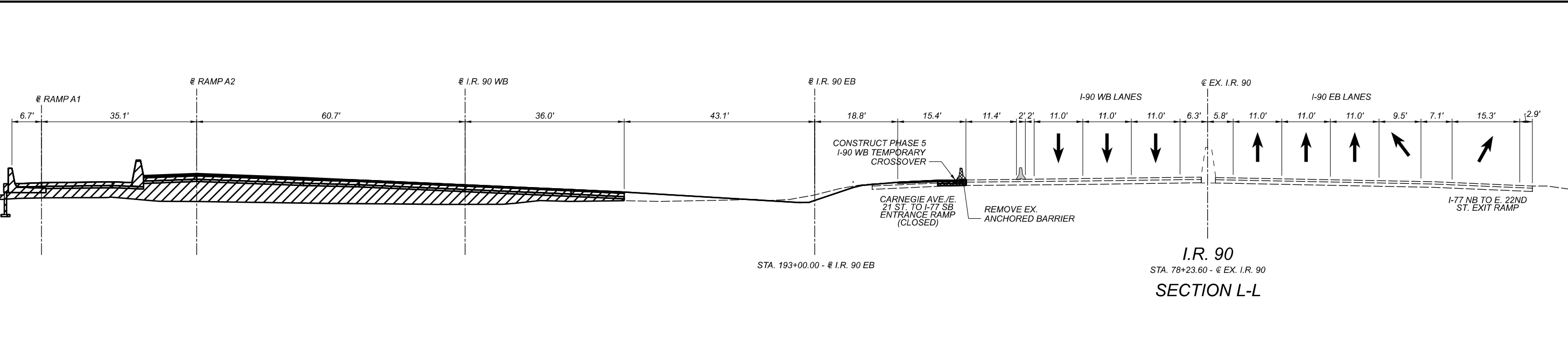
I.R. 90 SECTION J-J

STA. 3014+00.00 - @ INTERIM I.R. 90 EB
 STA. 98+17.40 - @ EX. I.R. 90

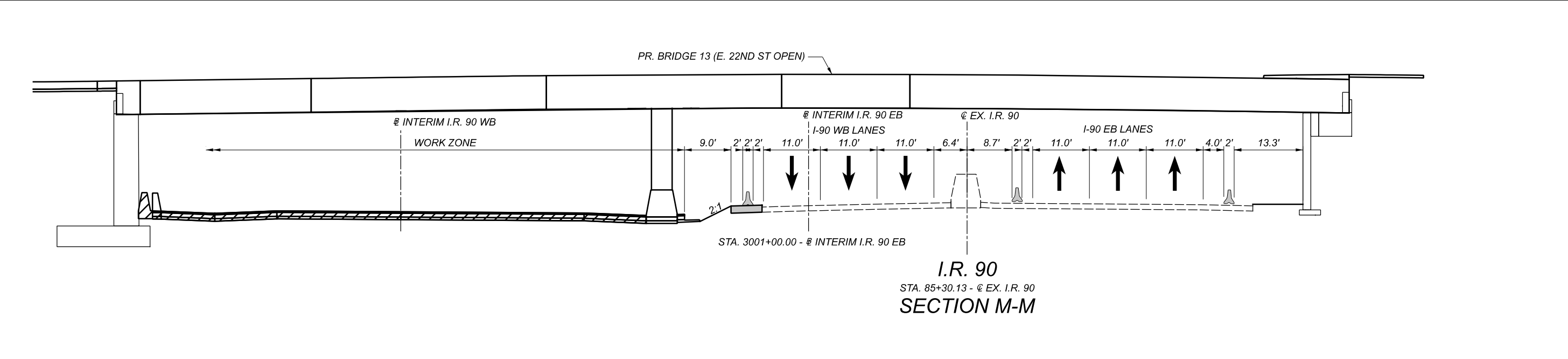
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	TOTAL
86	2339



I.R. 90
STA. 172+00.00 - @ I.R. 90 EB
SECTION K-K



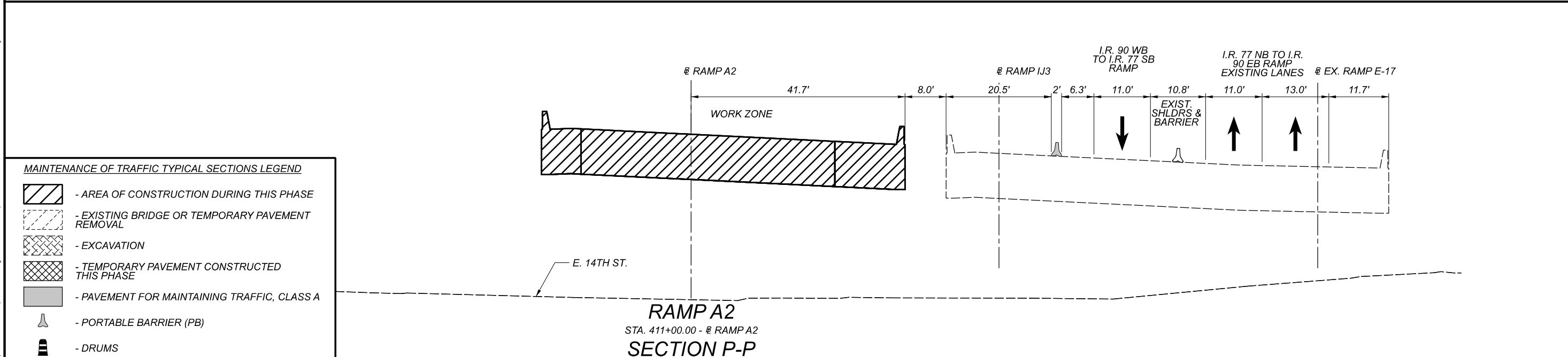
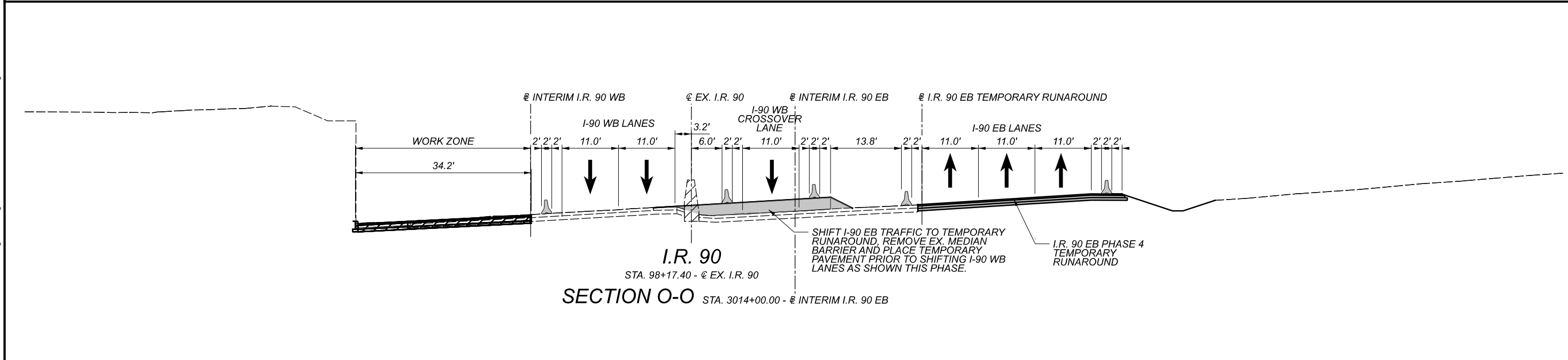
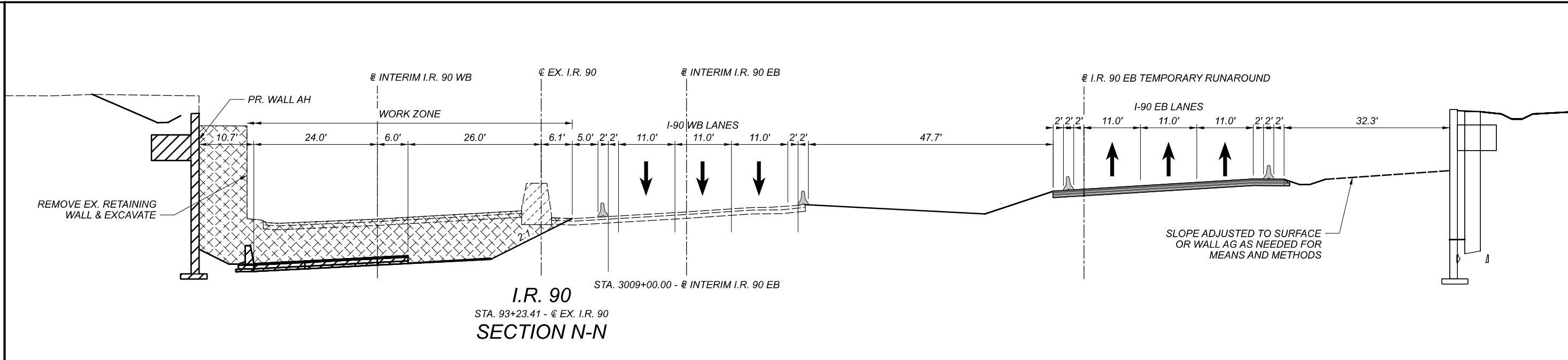
I.R. 90
STA. 78+23.60 - @ EX. I.R. 90
SECTION L-L



I.R. 90
STA. 85+30.13 - @ EX. I.R. 90
SECTION M-M

MAINTENANCE OF TRAFFIC - PHASE 4
TYPICAL SECTIONS

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	87
TOTAL	2339










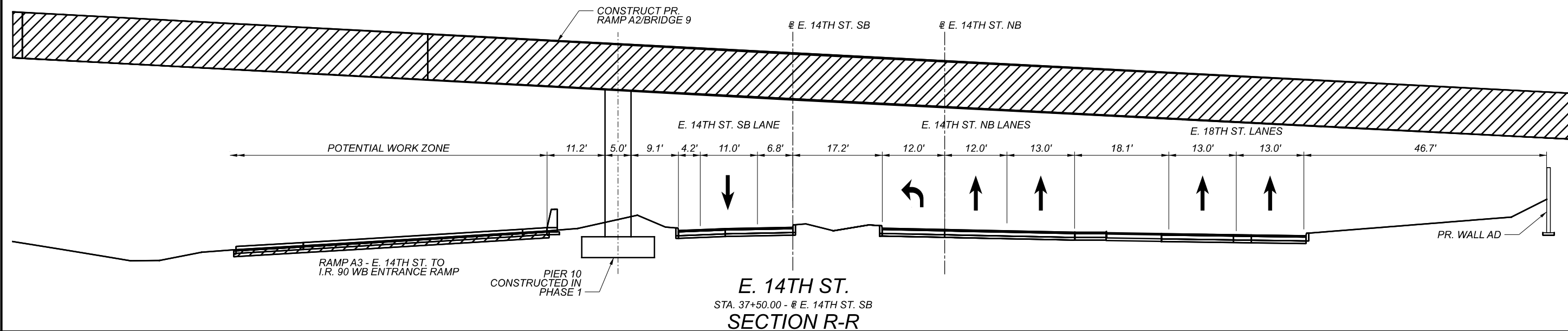
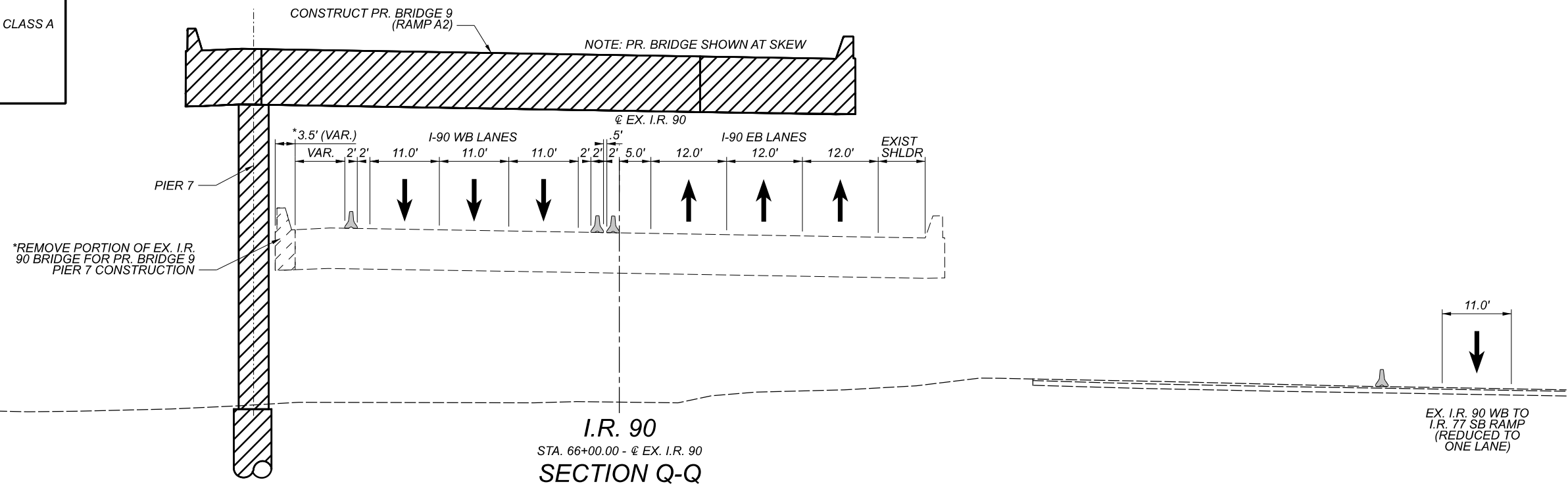
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

- AREA OF CONSTRUCTION DURING THIS PHASE
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- EXCAVATION
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- PORTABLE BARRIER (PB)
- DRUMS

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	88
TOTAL	2339

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

-  - AREA OF CONSTRUCTION DURING THIS PHASE
-  - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  - EXCAVATION
-  - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
-  - PORTABLE BARRIER (PB)
-  - DRUMS



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MAINTENANCE OF TRAFFIC - PHASE 4
 TYPICAL SECTIONS

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

CEO

REVIEWER

-

PROJECT ID

82383

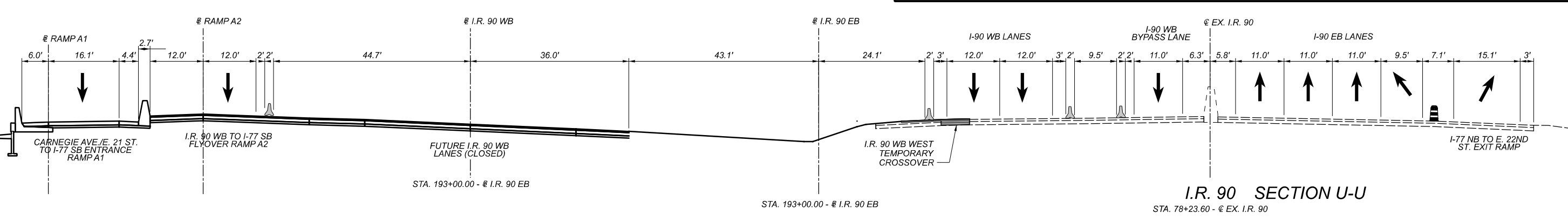
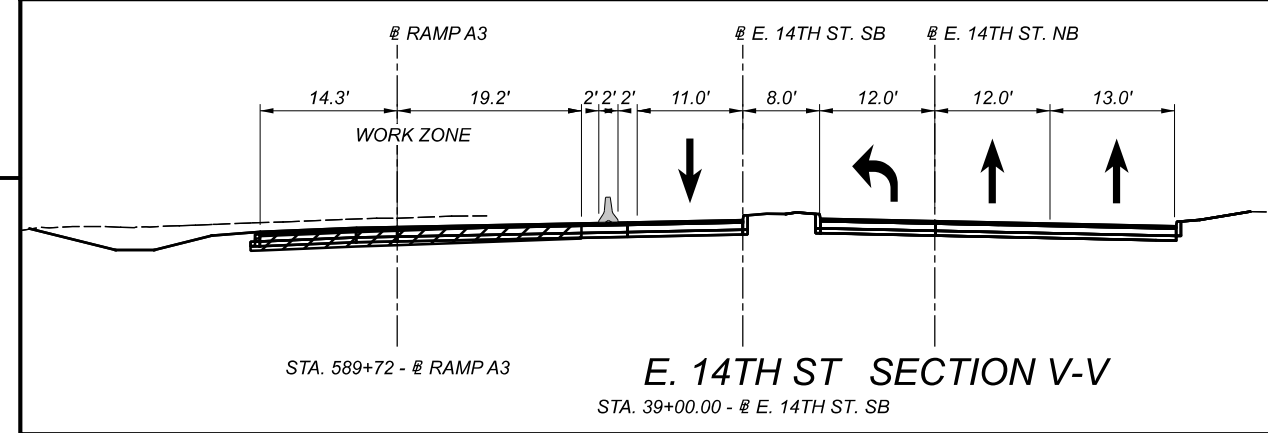
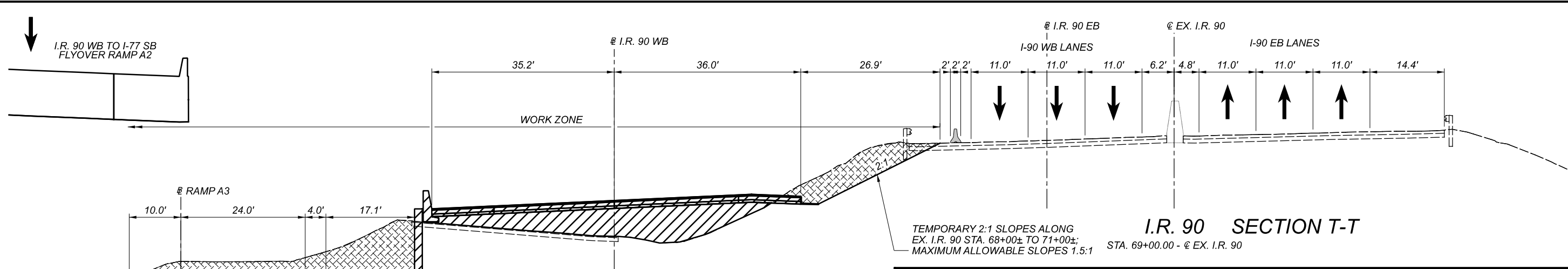
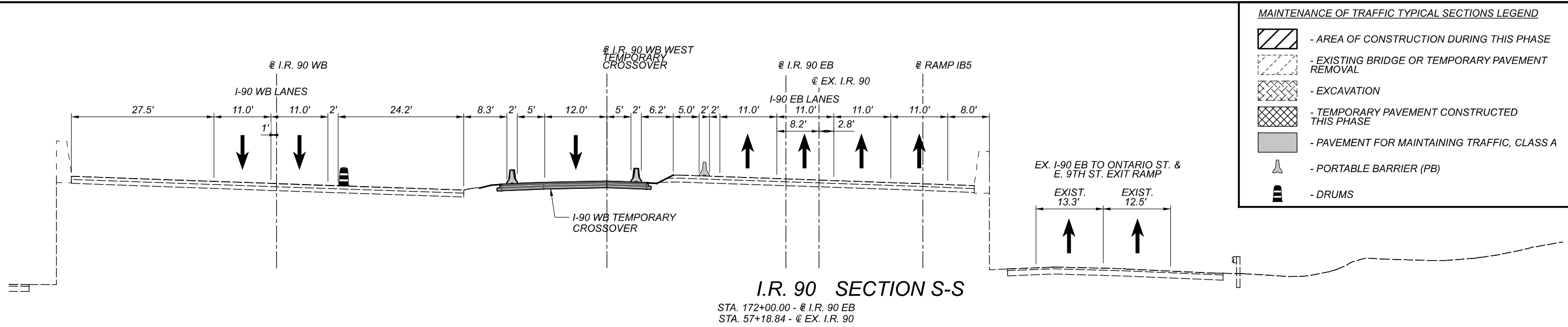
SHEET

TOTAL

89 | 2339

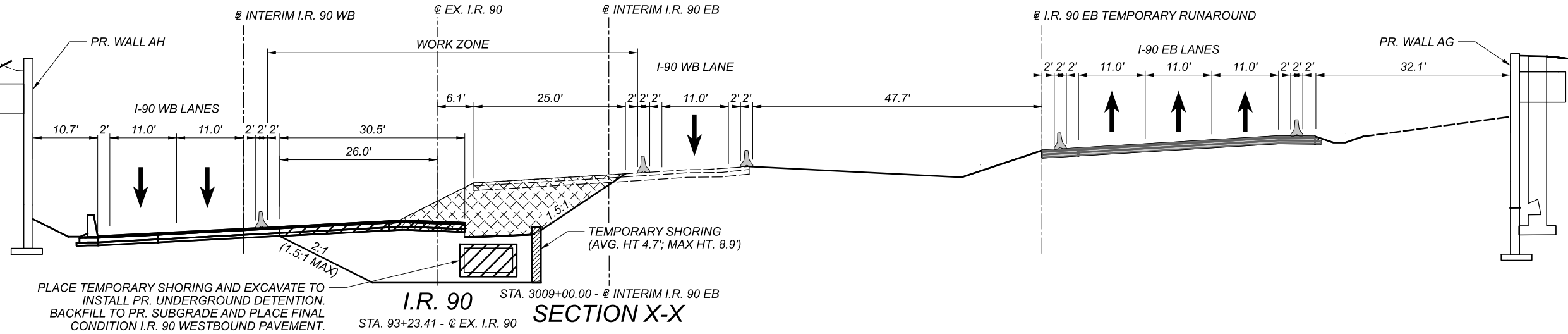
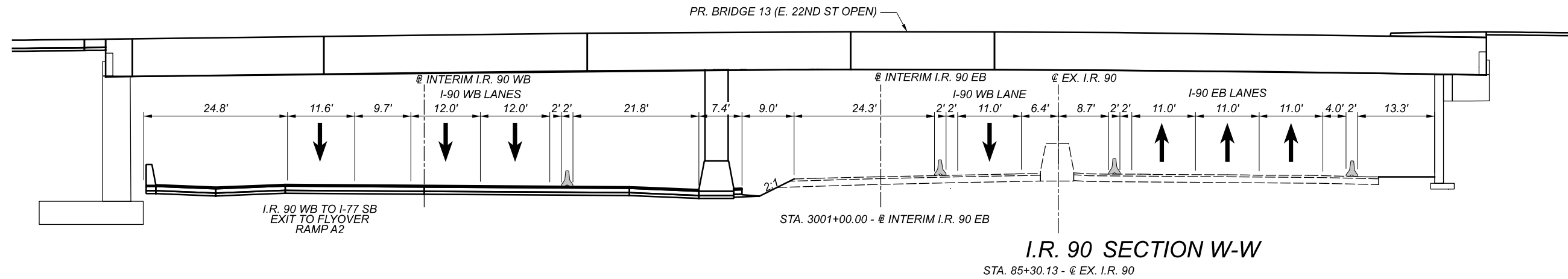
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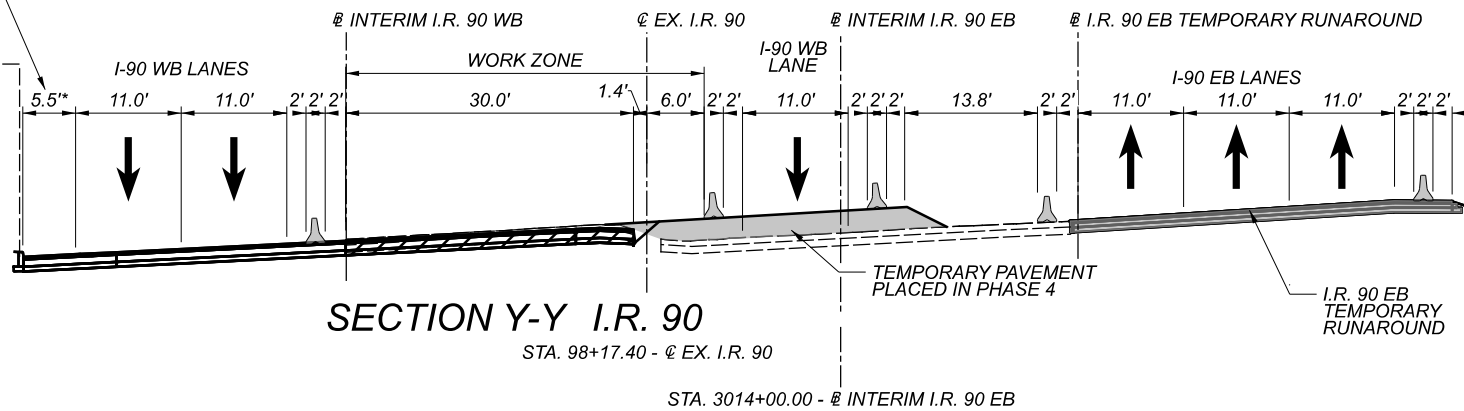


MAINTENANCE OF TRAFFIC - PHASE 5
TYPICAL SECTIONS

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	
PROJECT ID	82383
SHEET	TOTAL
90	2339



*TYP. 2' OUTSIDE SHOULDER AFTER PROPOSED SHOULDER TAPER



MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

- AREA OF CONSTRUCTION DURING THIS PHASE
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- EXCAVATION
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- PORTABLE BARRIER (PB)
- DRUMS

DESIGN AGENCY

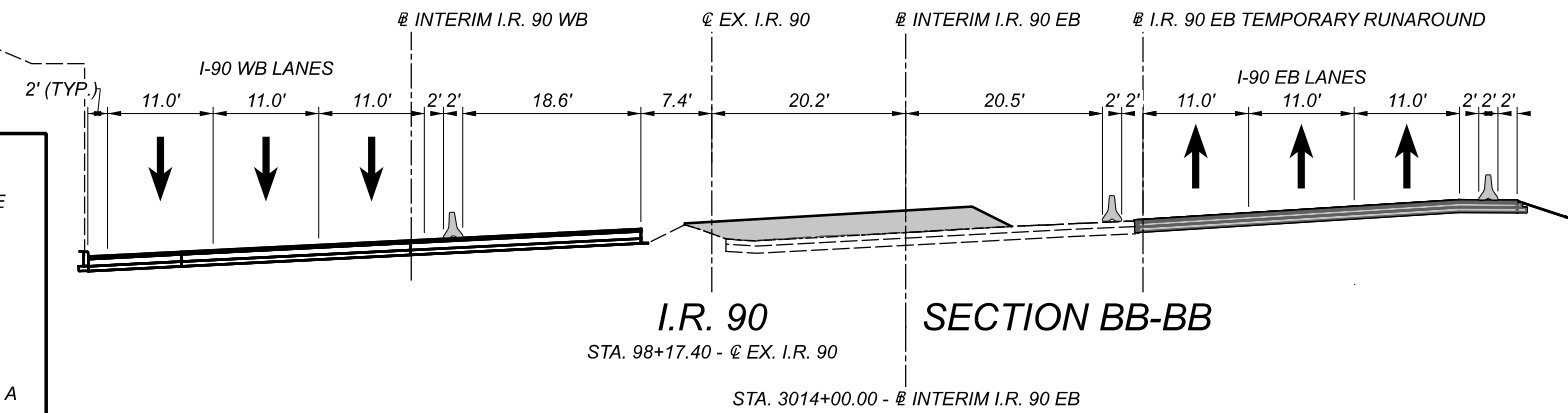
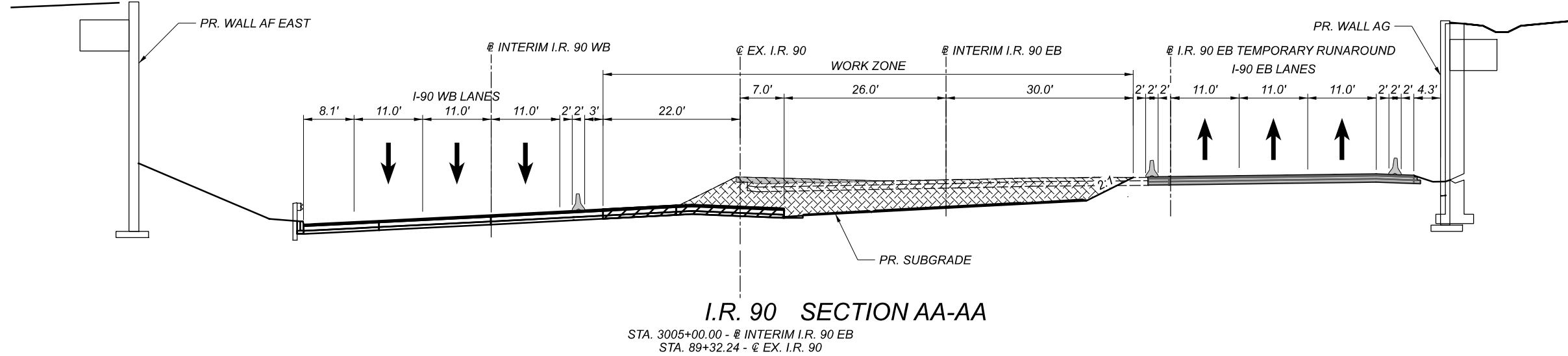
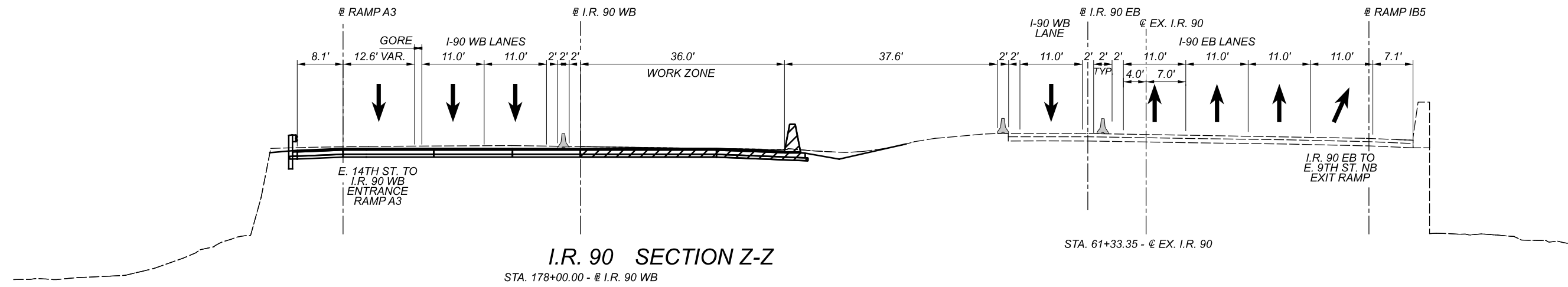
Michael Baker
 INTERNATIONAL

DESIGNER
 CEO

REVIEWER

PROJECT ID
 82383

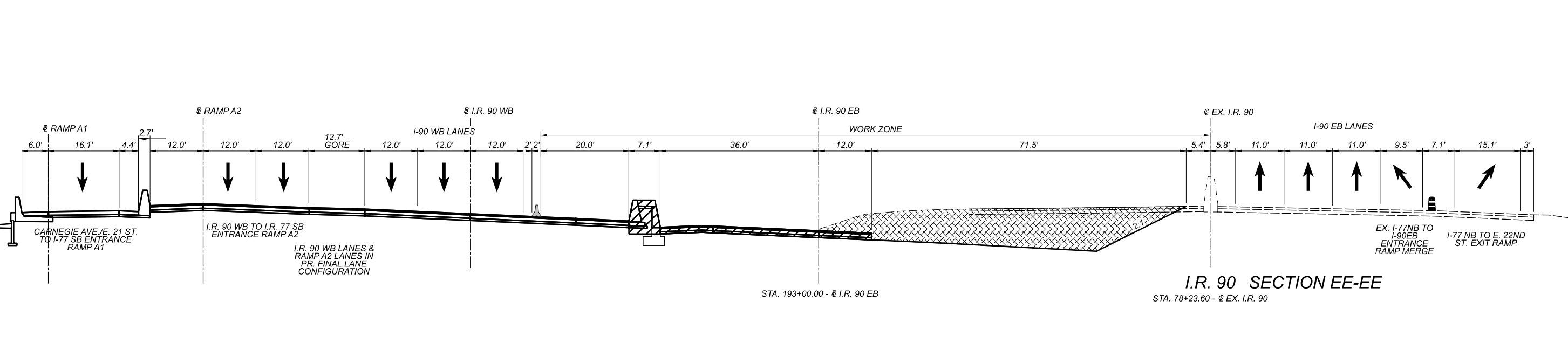
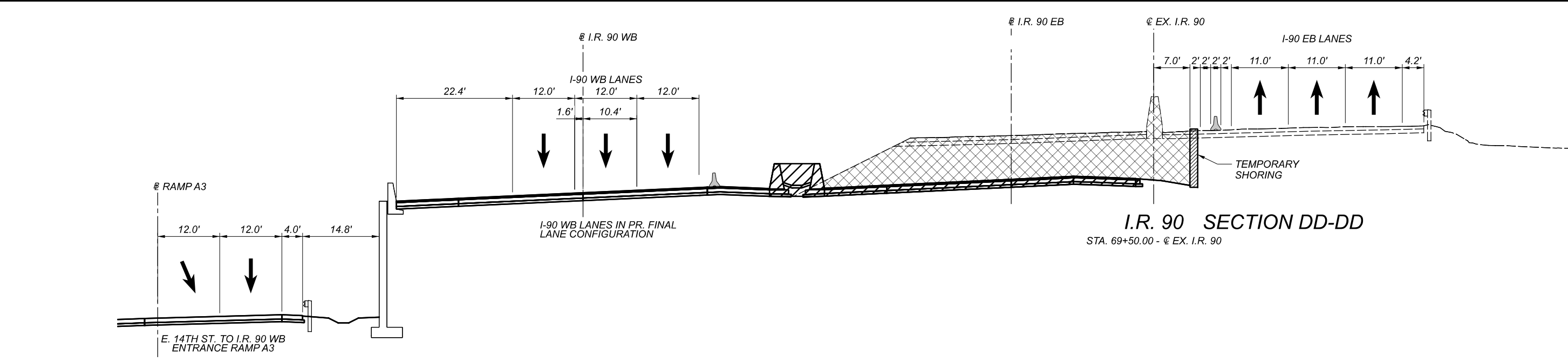
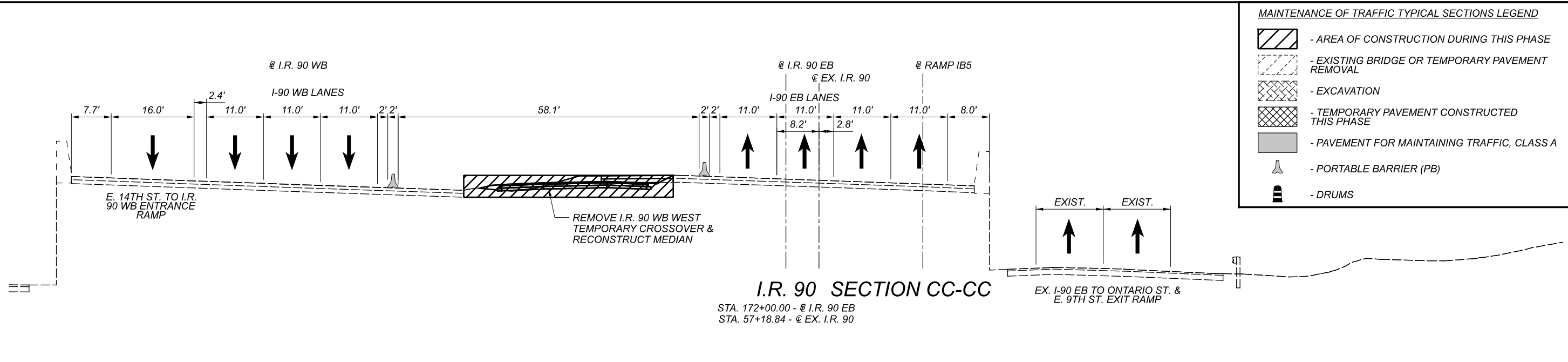
SHEET TOTAL
 91 2339



MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

- AREA OF CONSTRUCTION DURING THIS PHASE
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- EXCAVATION
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- PORTABLE BARRIER (PB)
- DRUMS

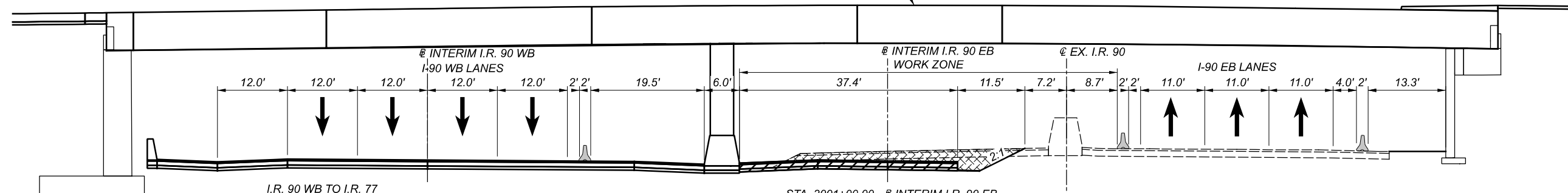
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	92
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 7
 TYPICAL SECTIONS

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	TOTAL
93	2339

PR. BRIDGE 13 (E. 22ND ST OPEN)

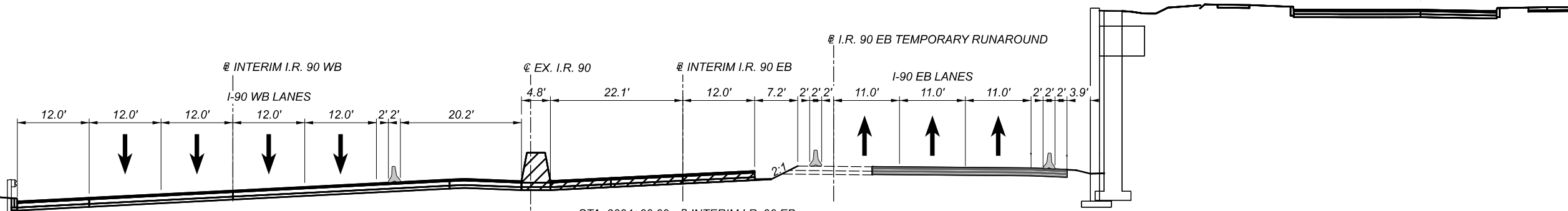


I.R. 90 WB TO I.R. 77
SB EXIT TO RAMP A2

STA. 3001+00.00 - @ INTERIM I.R. 90 EB

I.R. 90 SECTION FF-FF

STA. 85+30.13 - @ EX. I.R. 90

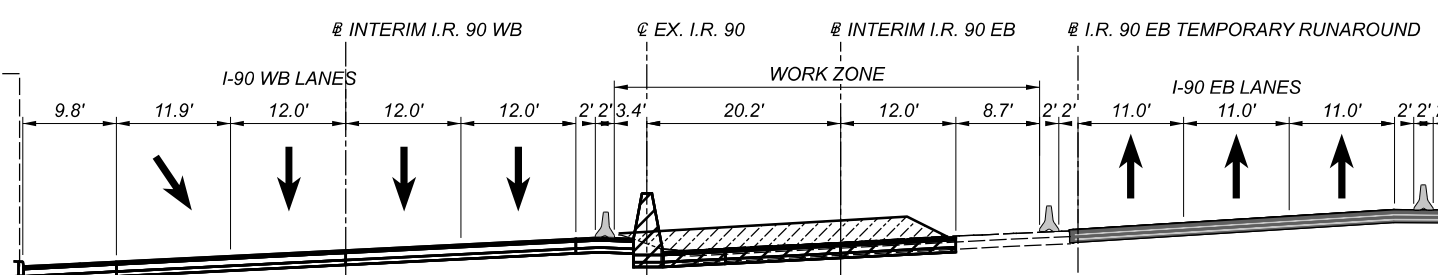


I.R. 90 WB TO I.R. 77
SB EXIT TO RAMP A2

STA. 3004+00.00 - @ INTERIM I.R. 90 EB

I.R. 90 SECTION GG-GG

STA. 88+34.00 - @ EX. I.R. 90



PROSPECT AVE.
TO I.R. 90 WB
ENTRANCE
RAMP MERGE








I.R. 90

STA. 98+17.40 - @ EX. I.R. 90

STA. 3014+00.00 - @ INTERIM I.R. 90 EB

SECTION HH-HH

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

-  - AREA OF CONSTRUCTION DURING THIS PHASE
-  - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  - EXCAVATION
-  - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
-  - PORTABLE BARRIER (PB)
-  - DRUMS

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

CEO

REVIEWER

-

PROJECT ID

82383








SHEET

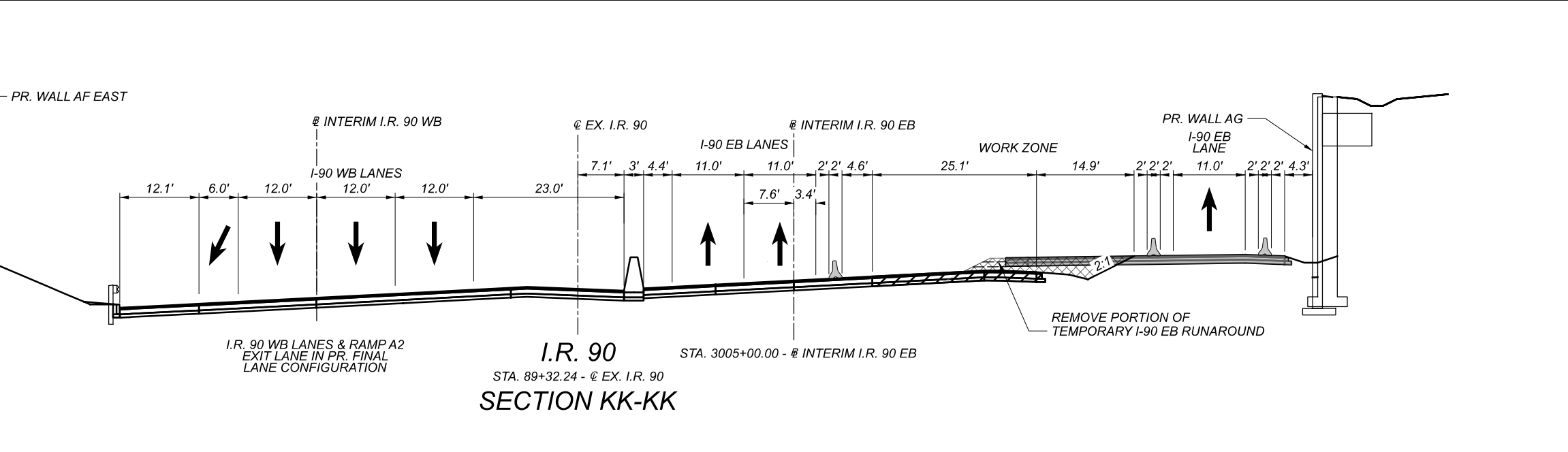
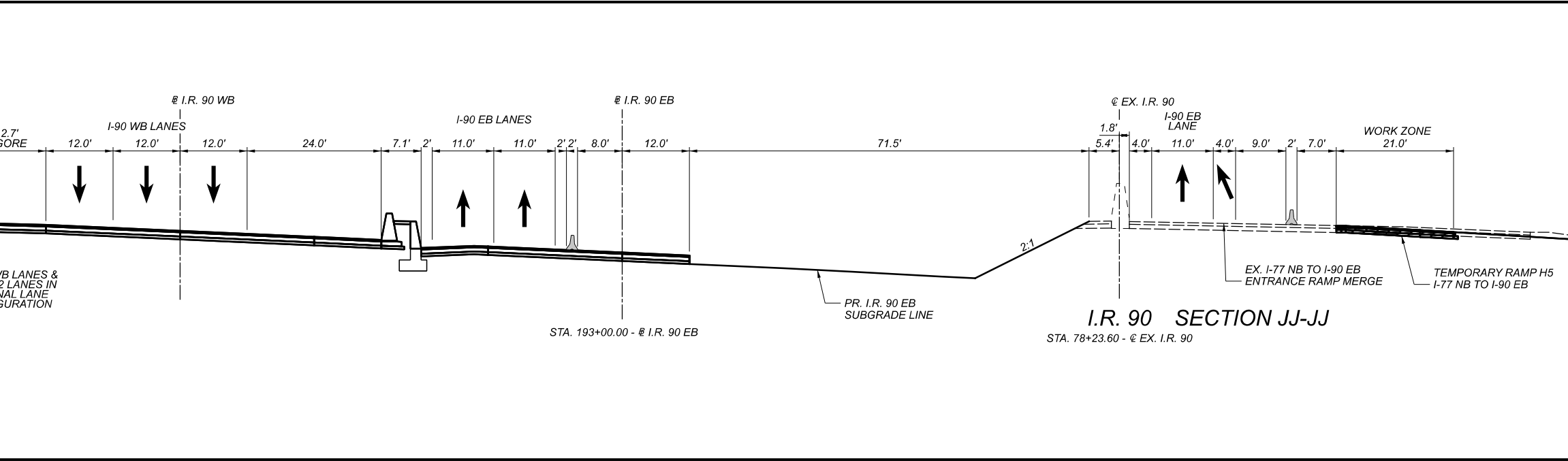
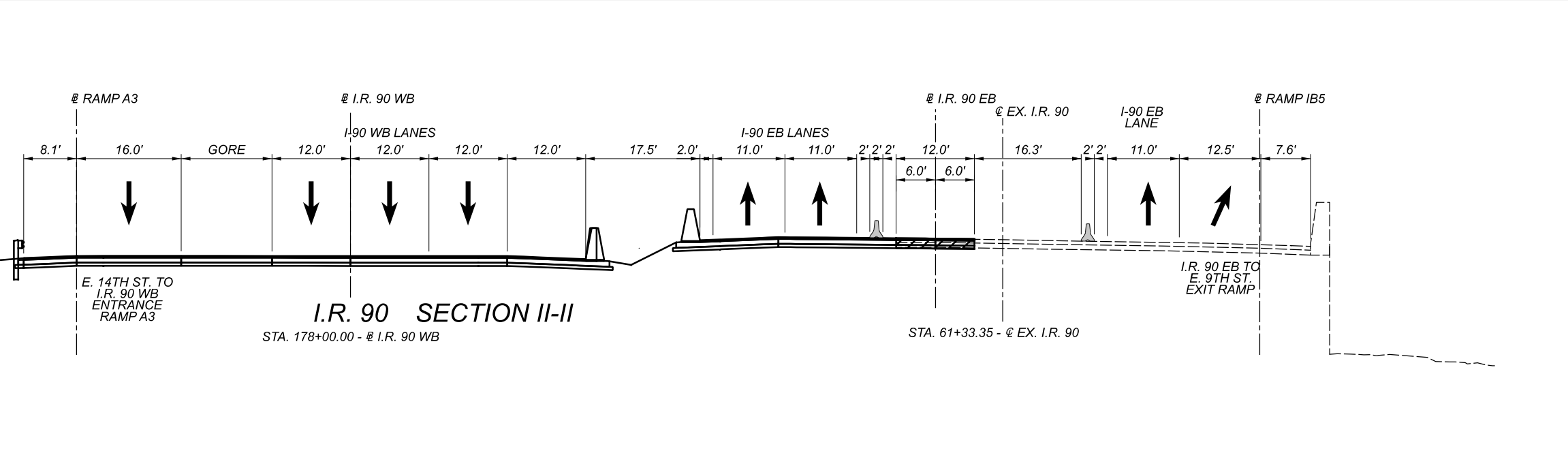
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TOTAL

2339

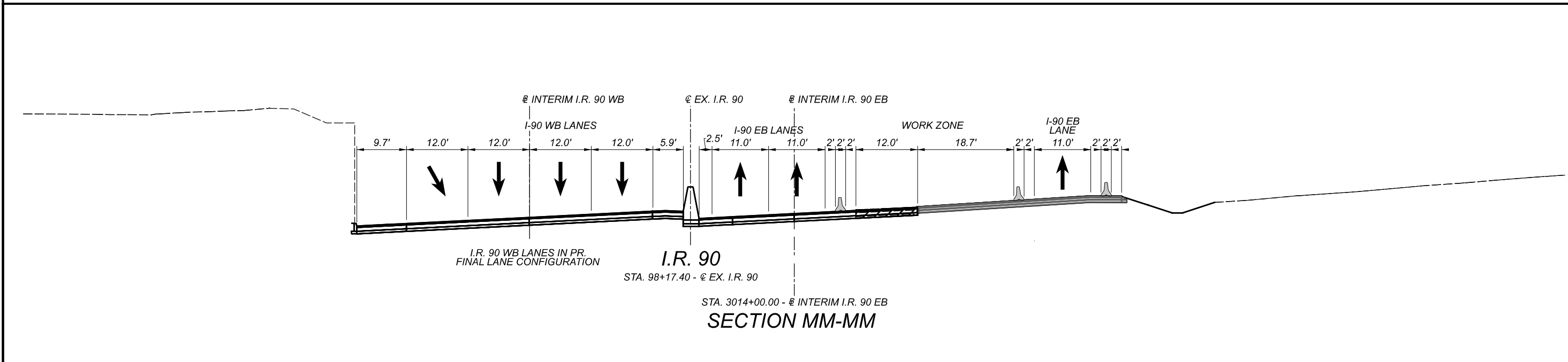
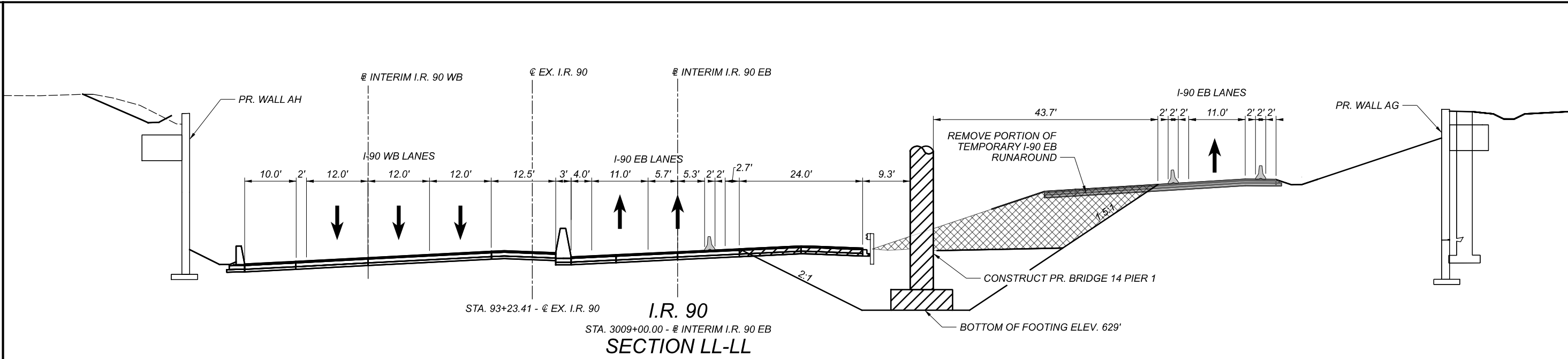
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

-  - AREA OF CONSTRUCTION DURING THIS PHASE
-  - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  - EXCAVATION
-  - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
-  - PORTABLE BARRIER (PB)
-  - DRUMS



MAINTENANCE OF TRAFFIC - PHASE 8
TYPICAL SECTIONS

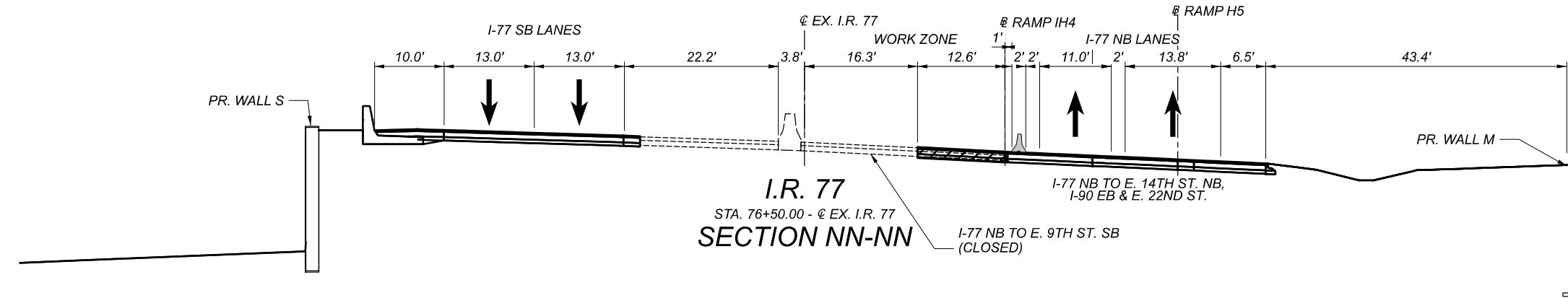
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	TOTAL
95	2339



MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

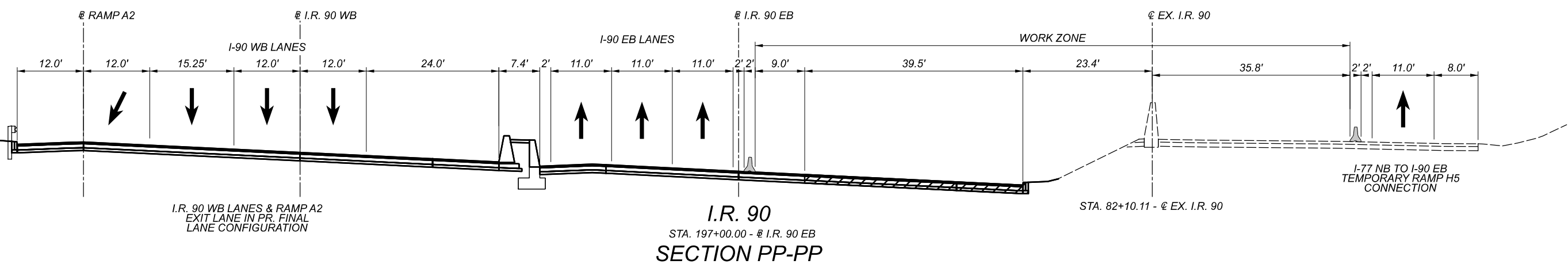
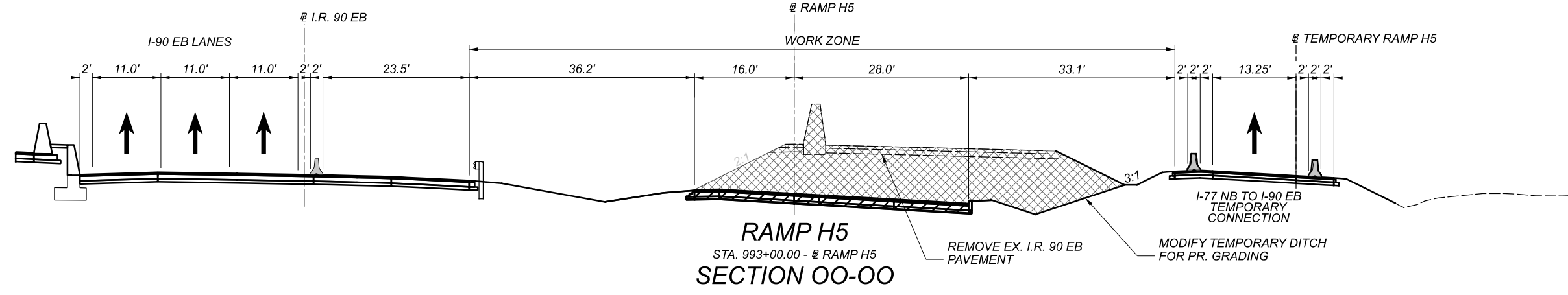
	- AREA OF CONSTRUCTION DURING THIS PHASE
	- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
	- EXCAVATION
	- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
	- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
	- PORTABLE BARRIER (PB)
	- DRUMS

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
CEO	
REVIEWER	
PROJECT ID	82383
SHEET	96
TOTAL	2339

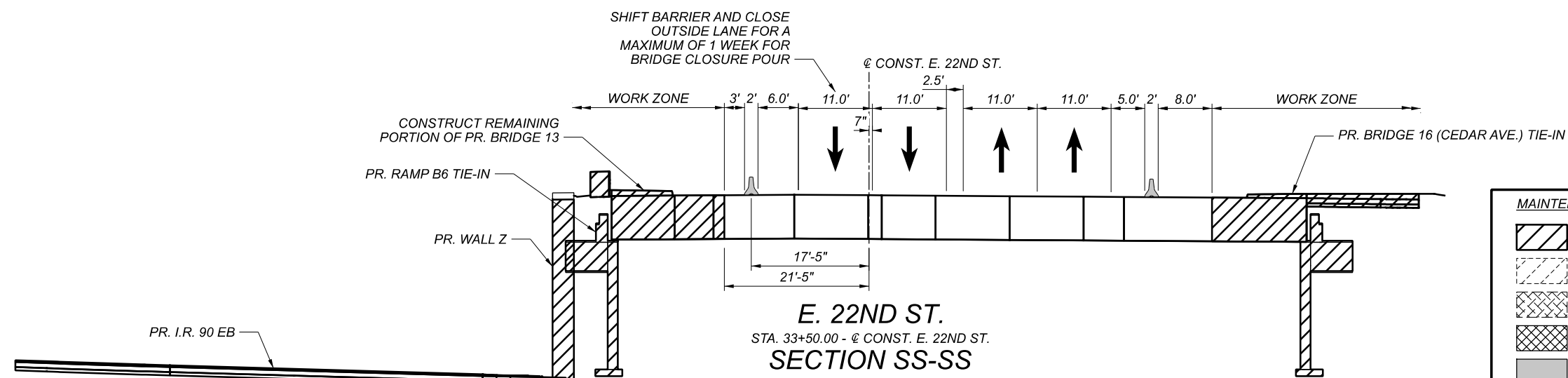
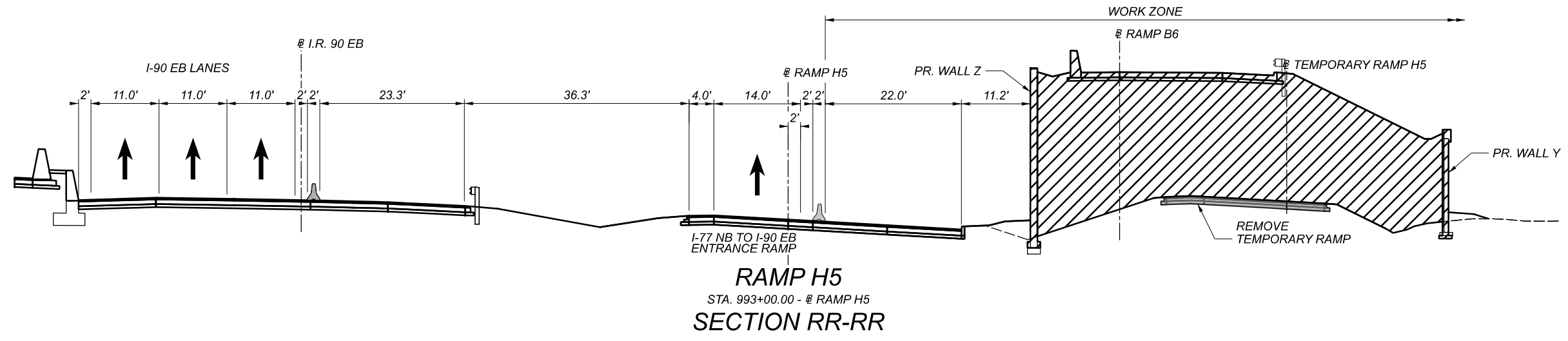
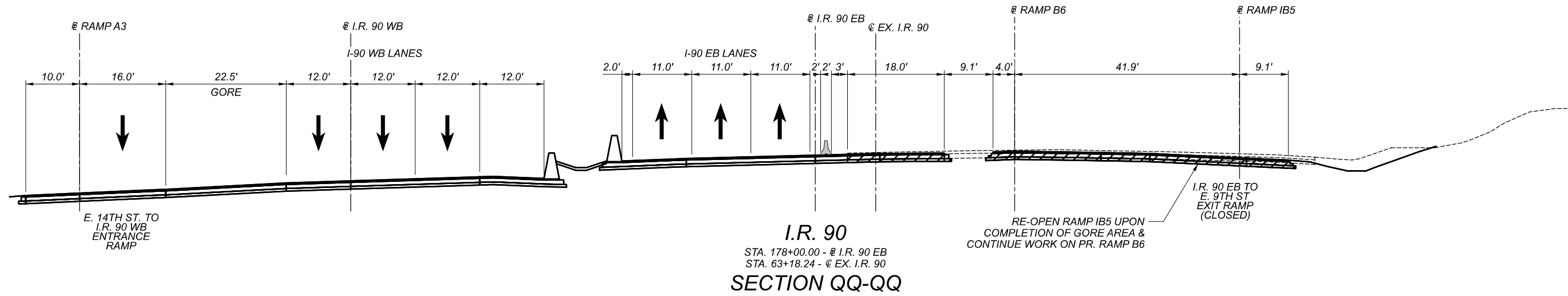


MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

- AREA OF CONSTRUCTION DURING THIS PHASE
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- EXCAVATION
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- PORTABLE BARRIER (PB)
- DRUMS



DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	97
TOTAL	2339



MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

- AREA OF CONSTRUCTION DURING THIS PHASE
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- EXCAVATION
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- PORTABLE BARRIER (PB)
- DRUMS

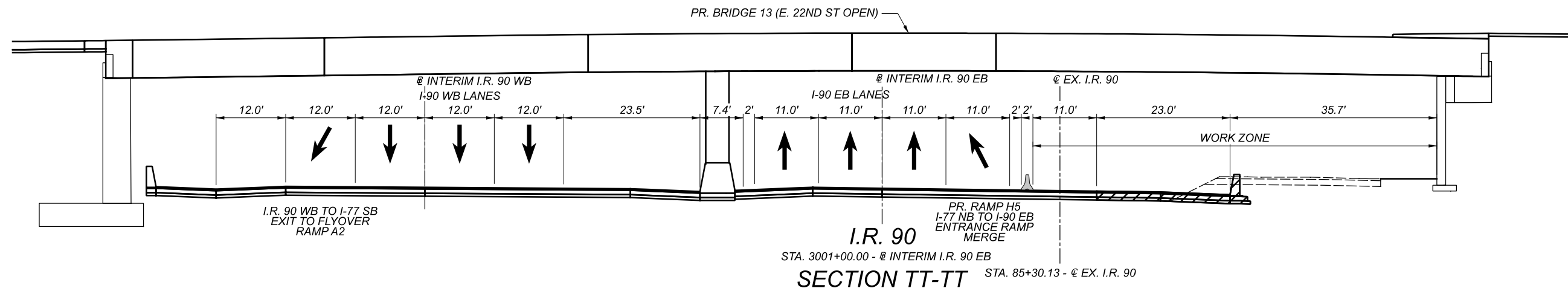
DESIGN AGENCY
Michael Baker INTERNATIONAL

DESIGNER
 CEO

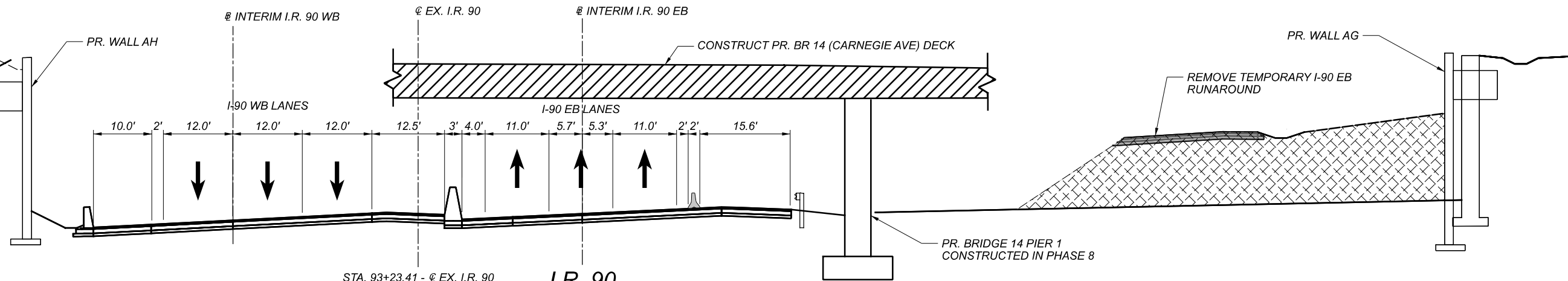
REVIEWER
 -

PROJECT ID
 82383

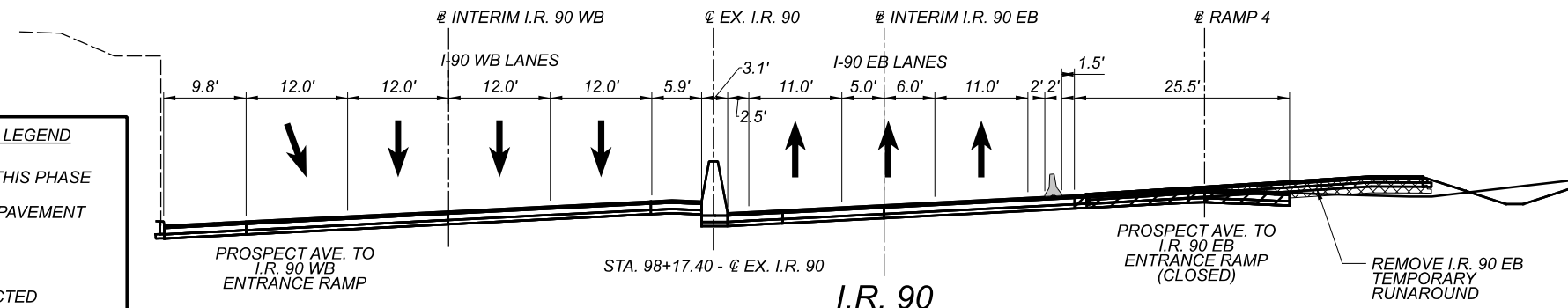
SHEET TOTAL
 98 2339



I.R. 90
 STA. 3001+00.00 - @ INTERIM I.R. 90 EB
 SECTION TT-TT
 STA. 85+30.13 - @ EX. I.R. 90










I.R. 90
 STA. 93+23.41 - @ EX. I.R. 90
 SECTION UU-UU
 STA. 3009+00.00 - @ INTERIM I.R. 90 EB

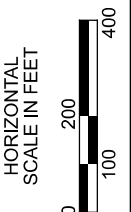
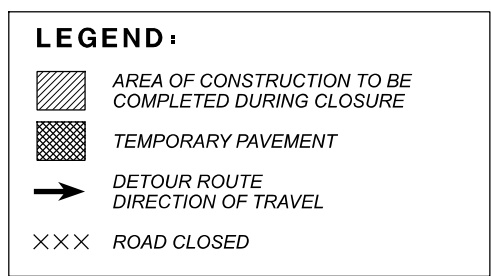
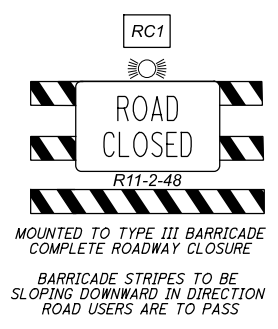
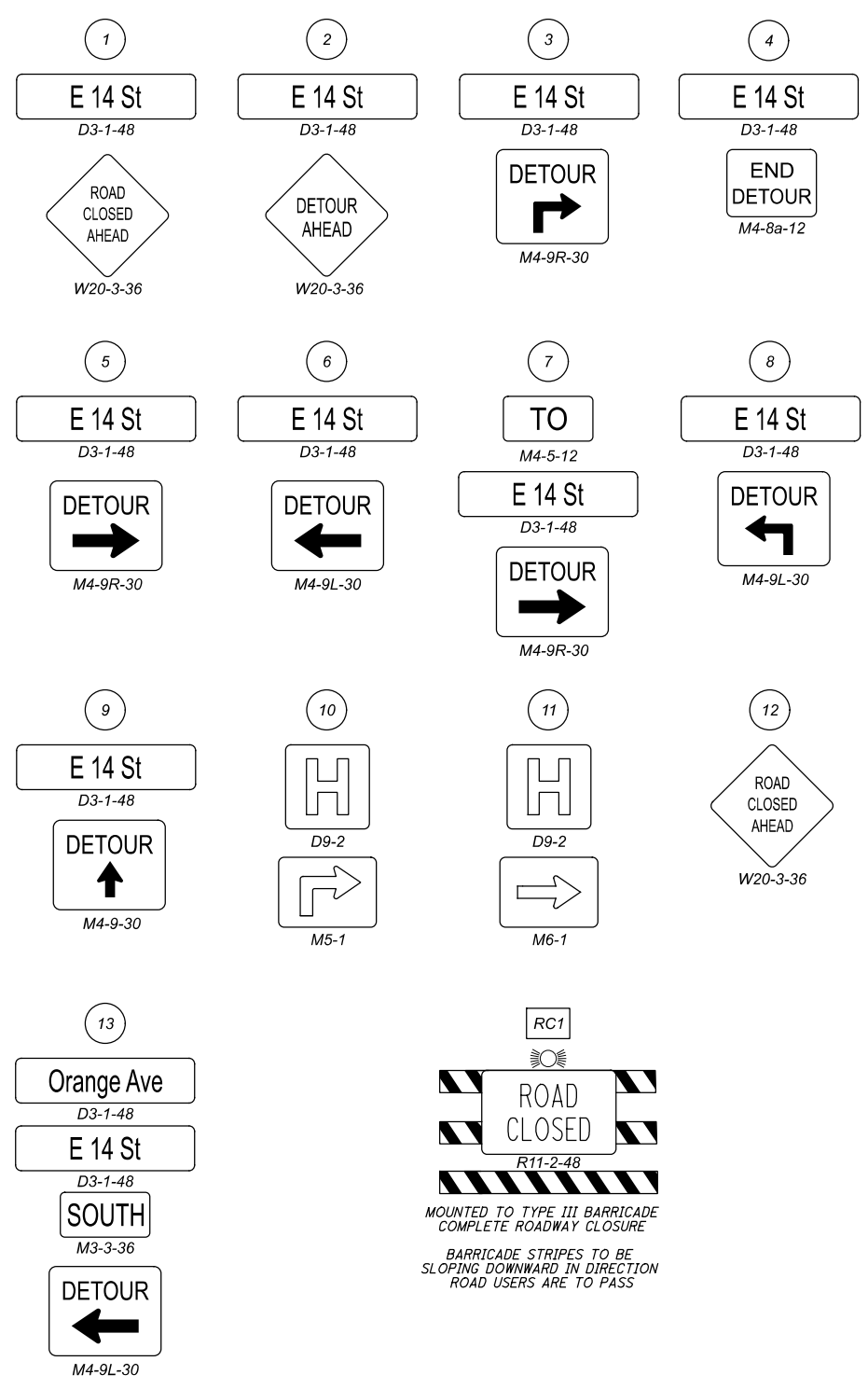
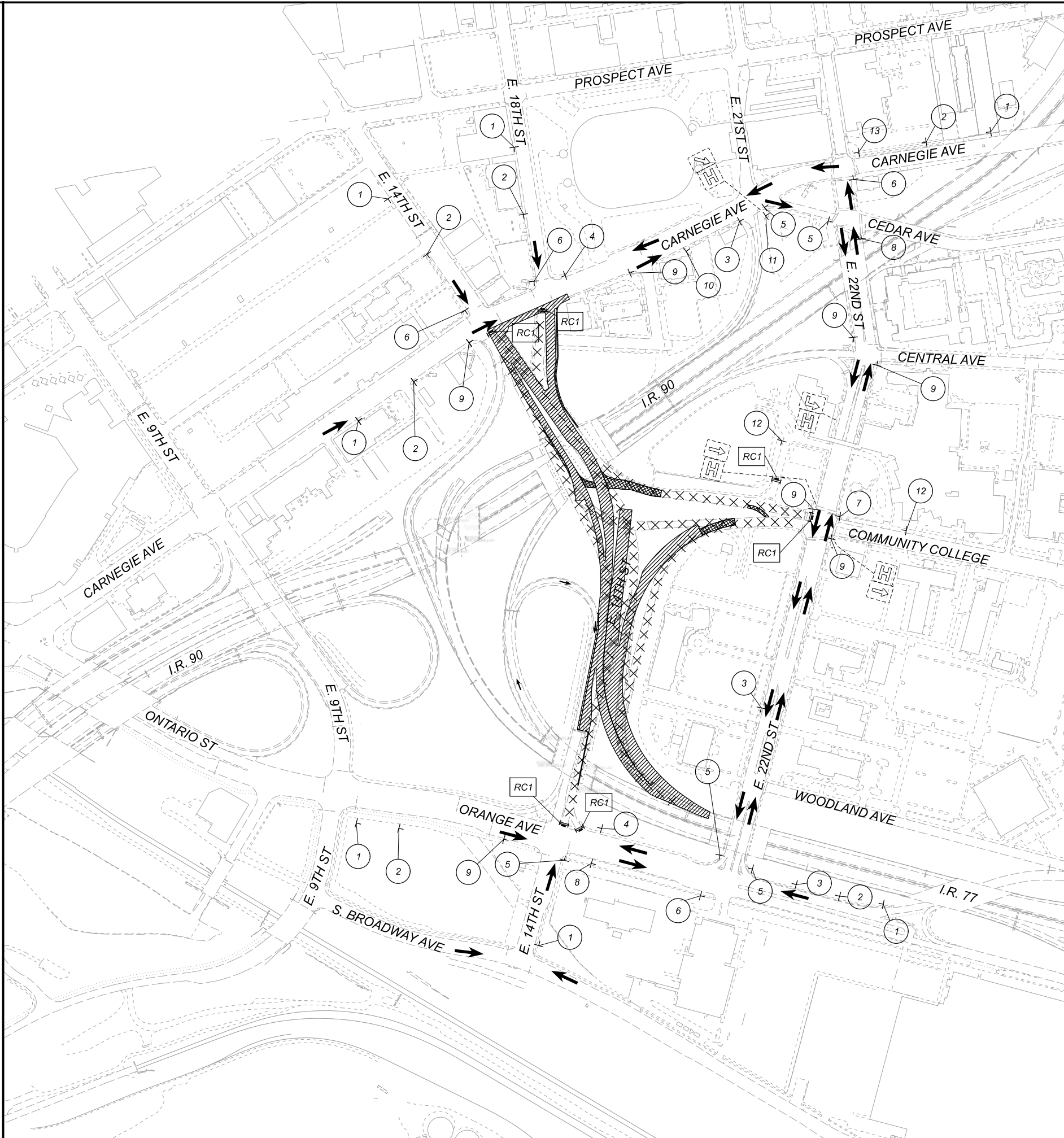


I.R. 90
 STA. 98+17.40 - @ EX. I.R. 90
 SECTION VV-VV
 STA. 3014+00.00 - @ INTERIM I.R. 90 EB

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS LEGEND

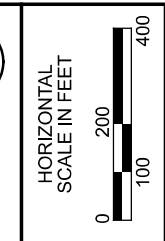
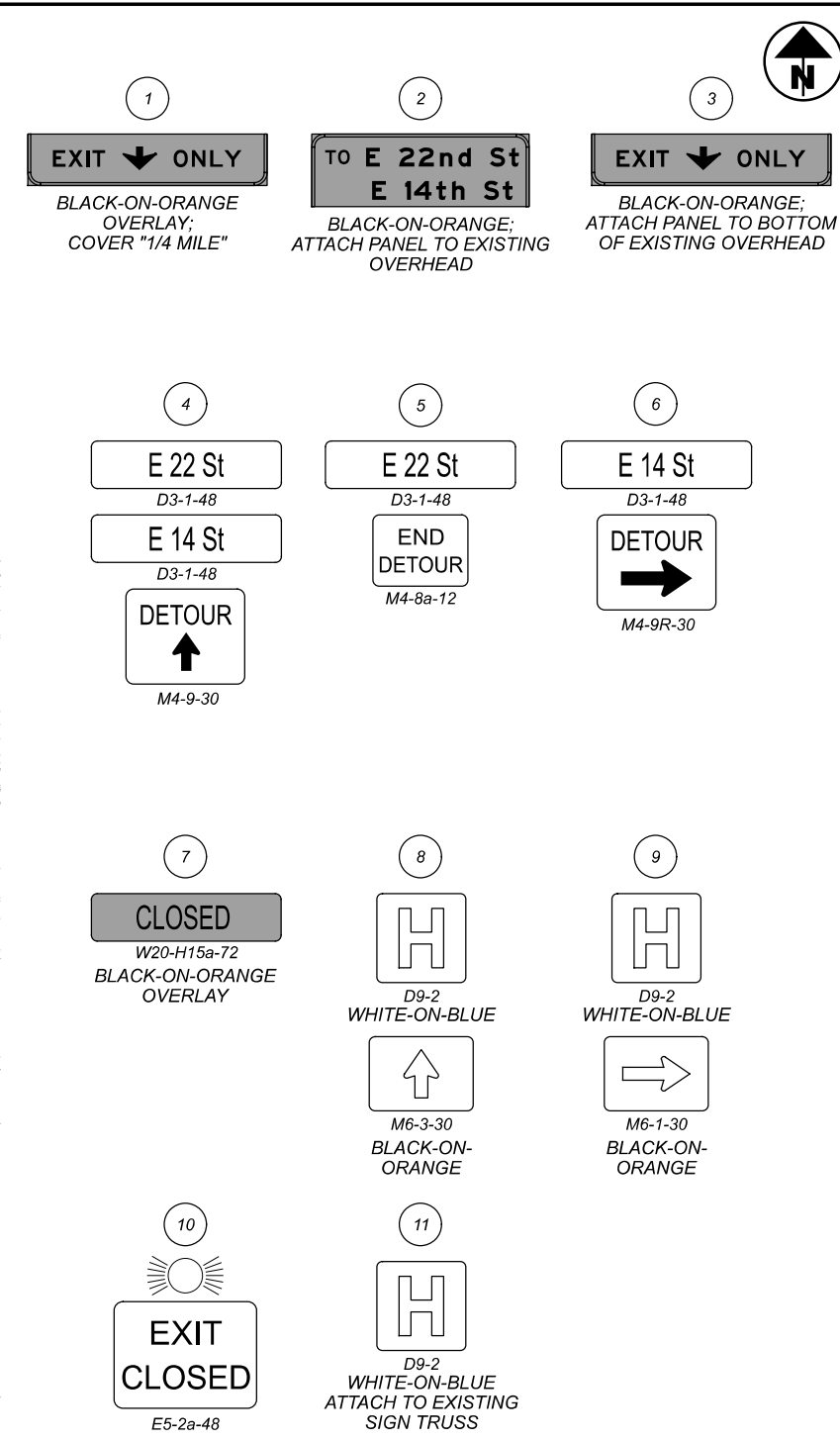
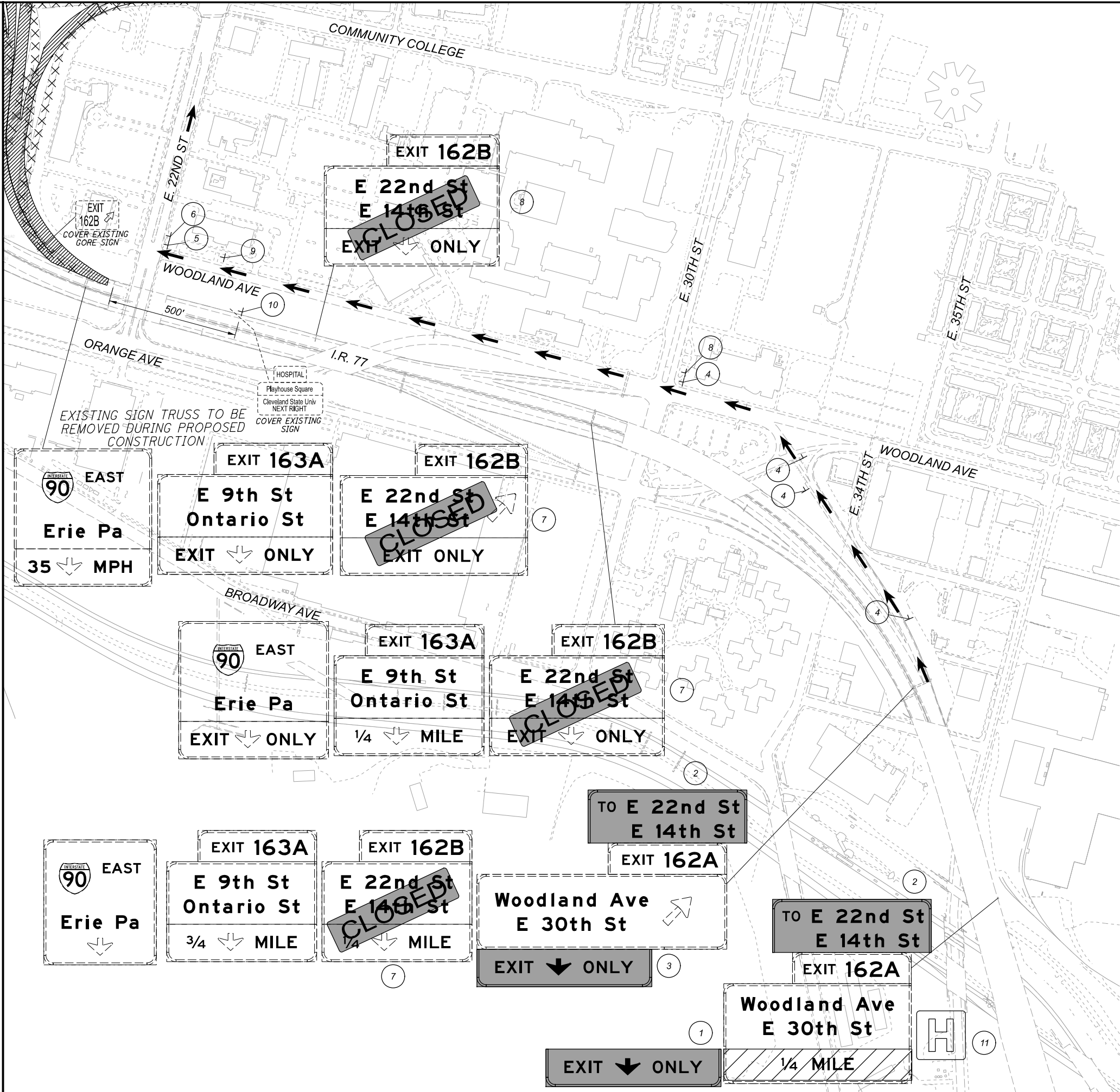
-  - AREA OF CONSTRUCTION DURING THIS PHASE
-  - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  - EXCAVATION
-  - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
-  - PORTABLE BARRIER (PB)
-  - DRUMS

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	CEO
REVIEWER	-
PROJECT ID	82383
SHEET	TOTAL
99	2339



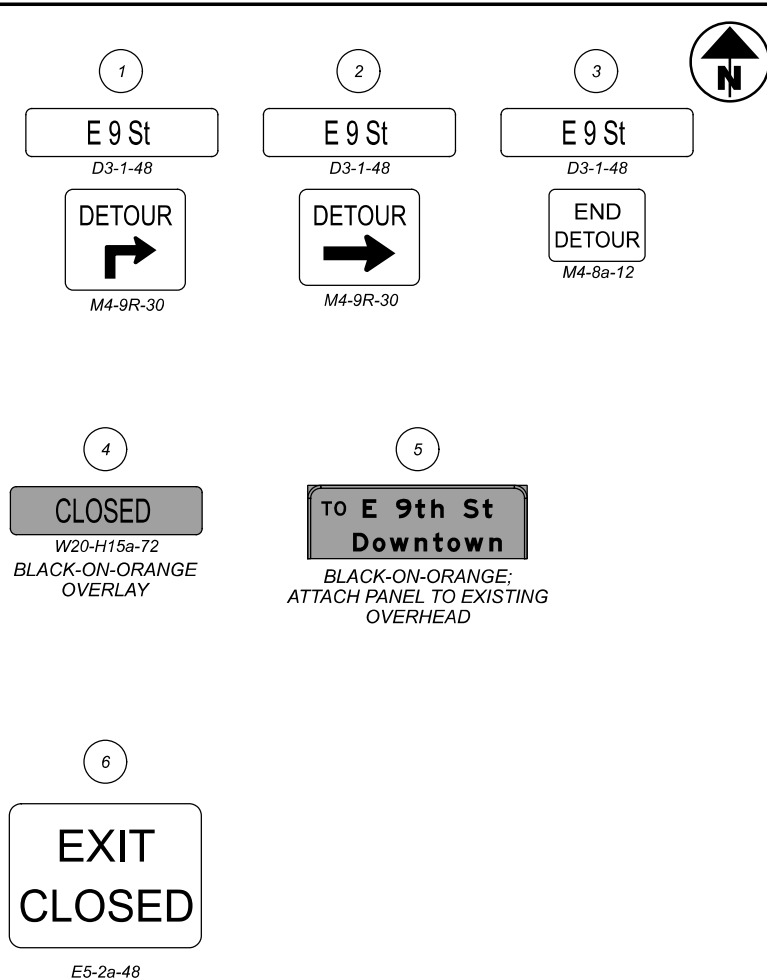
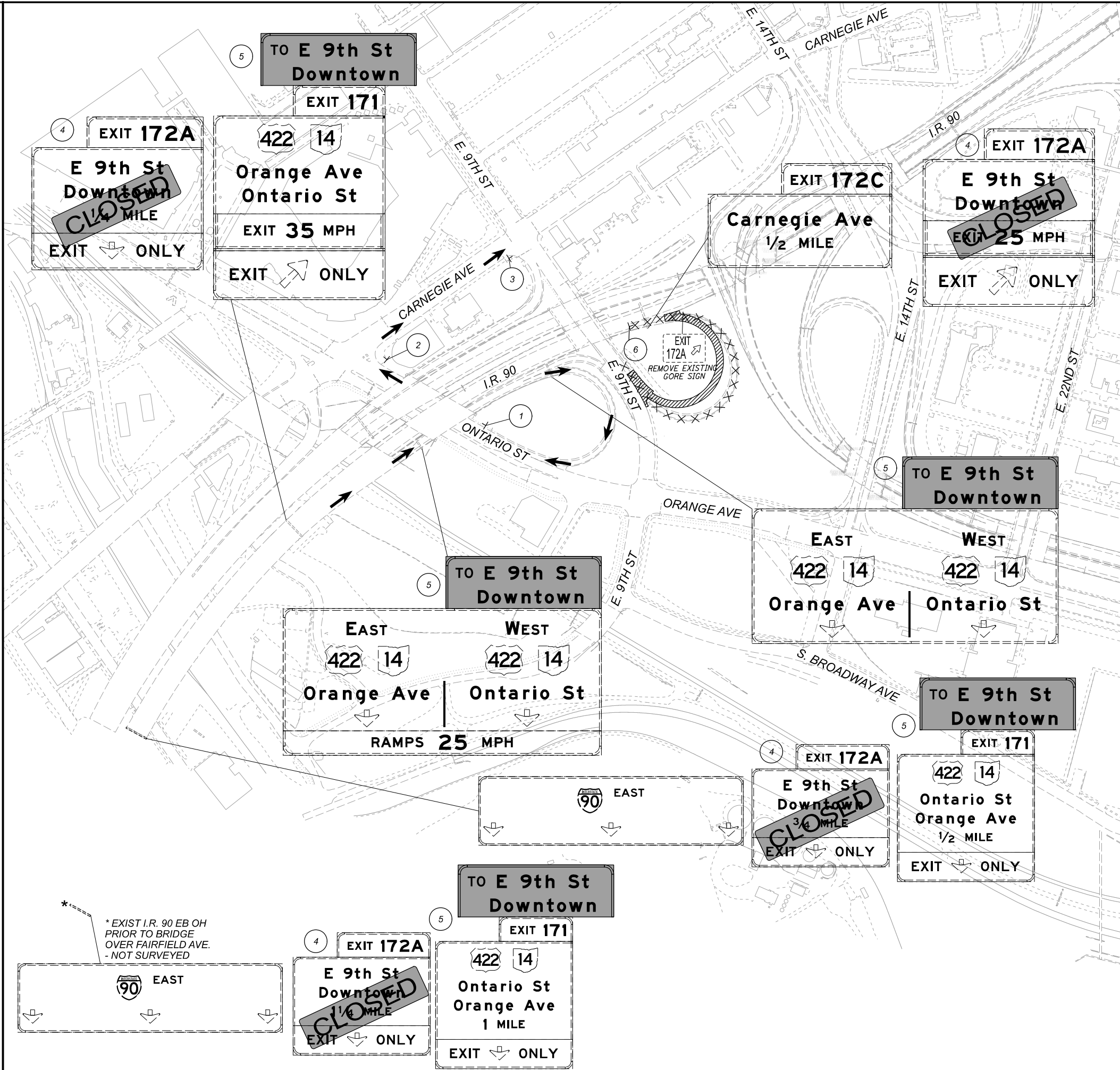
DETOUR PLAN
 PHASE 1 - E. 14TH ST.

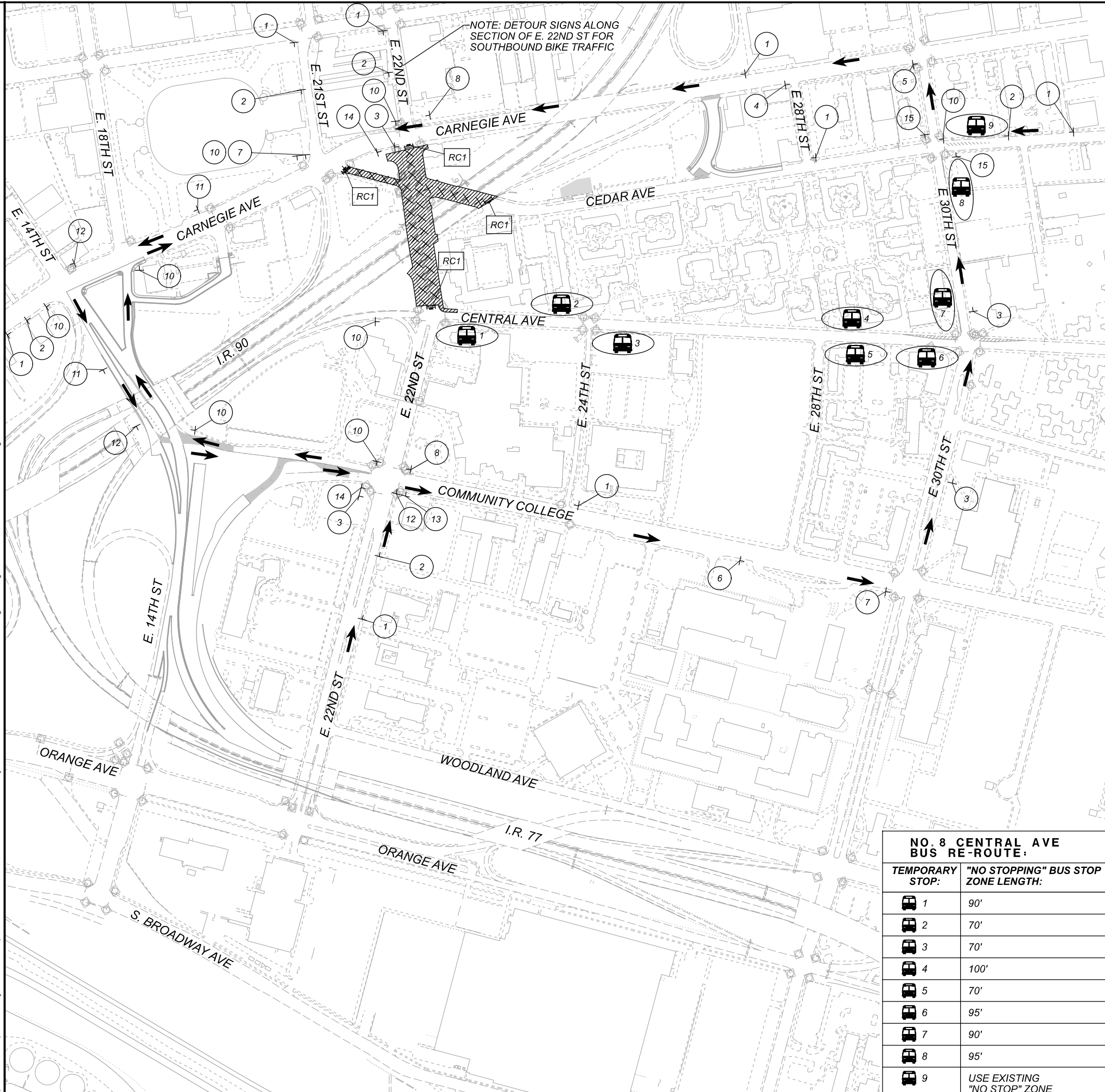
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	100
TOTAL	2339



DETOUR PLAN
PHASE 1 -I.R. 77 NORTHBOUND TO E. 22ND ST./14TH ST. EXIT RAMP (#162B)

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
101	2339

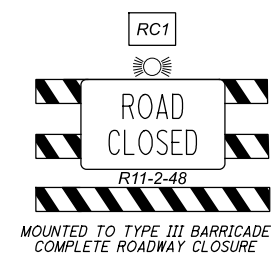
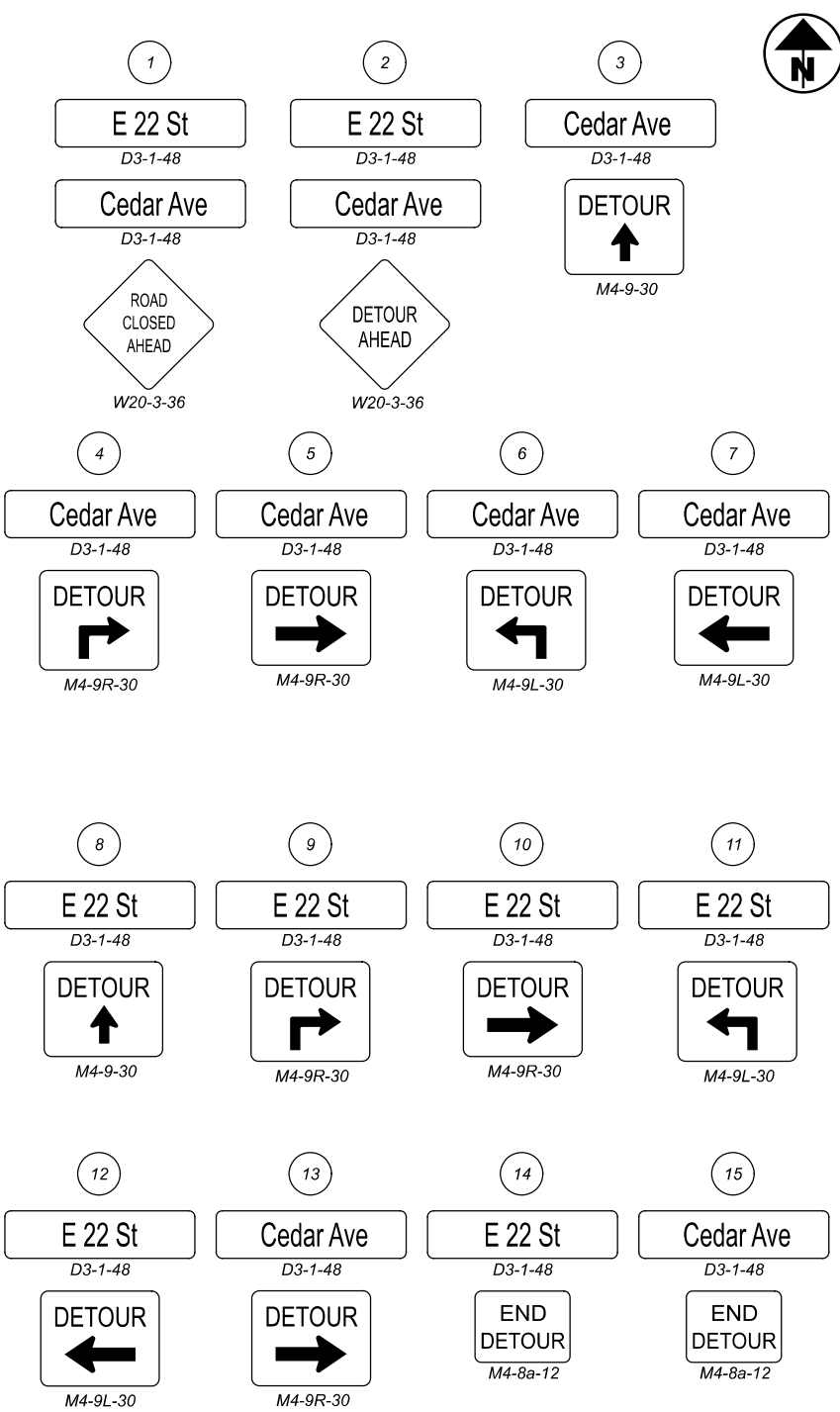




NOTE: DETOUR SIGNS ALONG SECTION OF E. 22ND ST FOR SOUTHBOUND BIKE TRAFFIC

NO. 8 CENTRAL AVE BUS RE-ROUTE:

TEMPORARY STOP:	"NO STOPPING" BUS STOP ZONE LENGTH:
1	90'
2	70'
3	70'
4	100'
5	70'
6	95'
7	90'
8	95'
9	USE EXISTING "NO STOP" ZONE



BARRICADE STRIPES TO BE SLOPING DOWNWARD IN DIRECTION ROAD USERS ARE TO PASS

LEGEND:

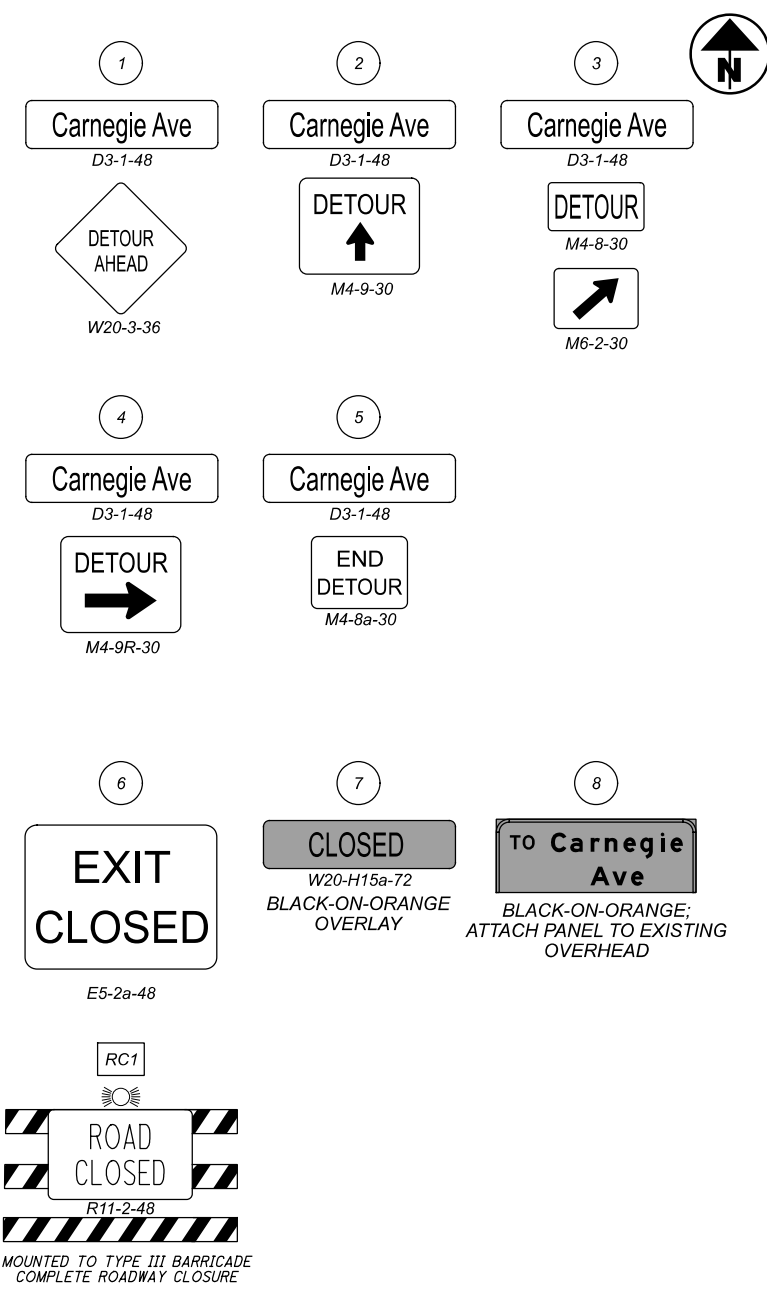
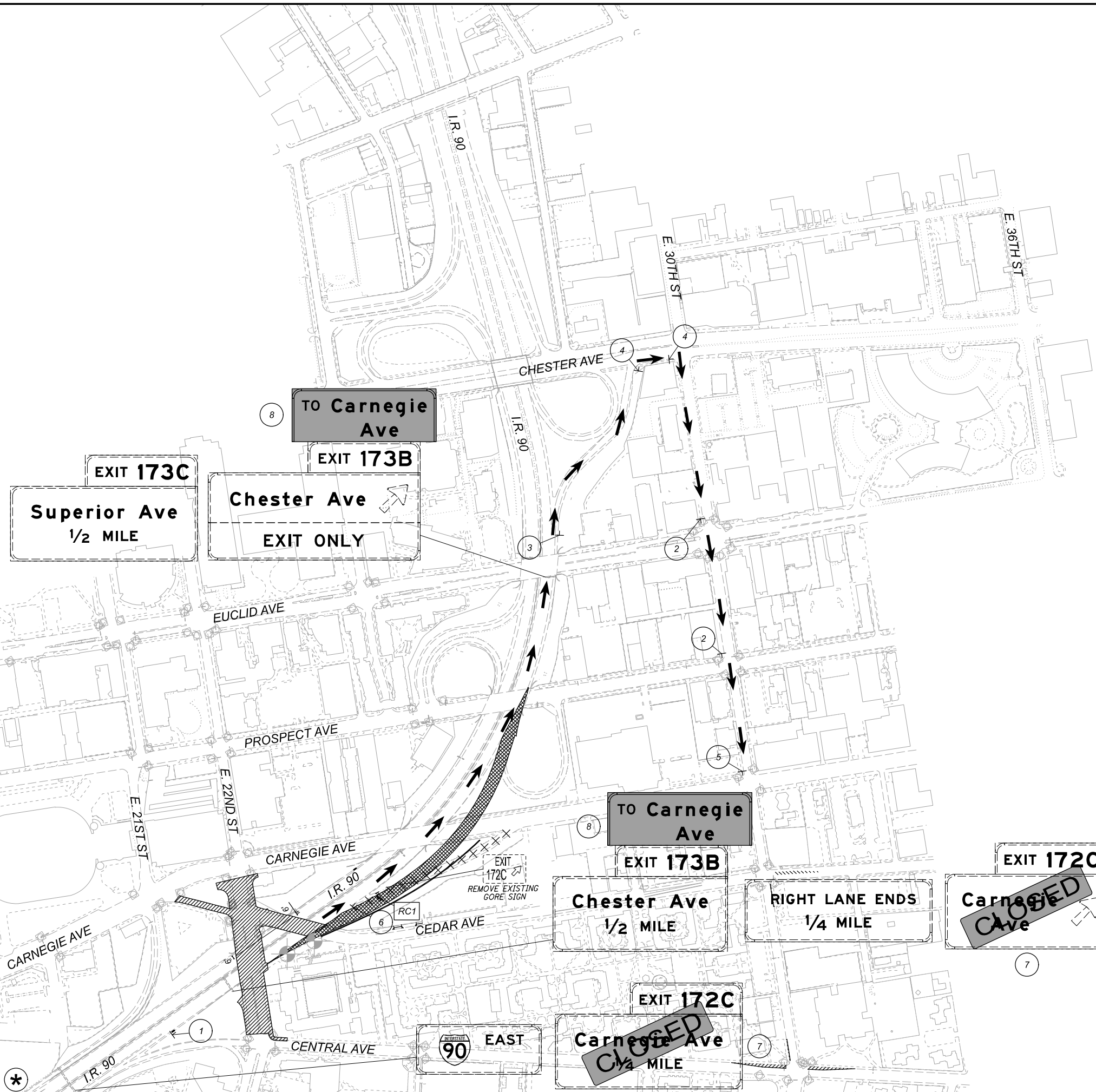
- AREA OF CONSTRUCTION TO BE COMPLETED DURING CLOSURE
- TEMPORARY PAVEMENT
- DETOUR ROUTE DIRECTION OF TRAVEL
- ROAD CLOSED
- TEMPORARY BUS STOP

NOTE:
 TEMPORARY BUS STOPS & ASSOCIATED SIGNAGE TO BE PROVIDED & INSTALLED BY OTHERS; REFER TO MOT NOTES FOR ADDITIONAL DETAILS



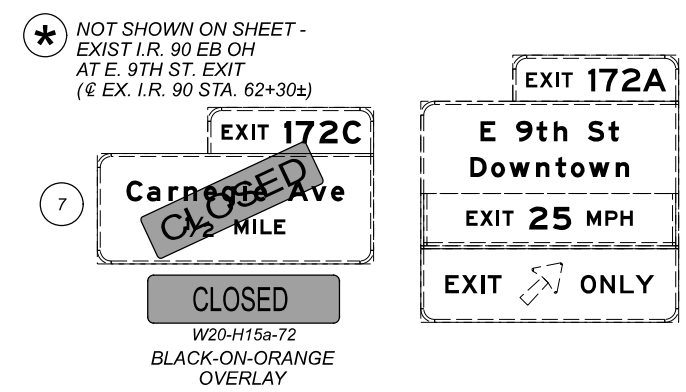
DETOUR PLAN
 PHASE 2 - E. 22ND ST. & CEDAR AVE.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
103	2339



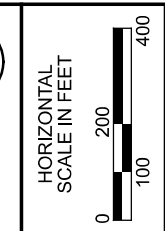
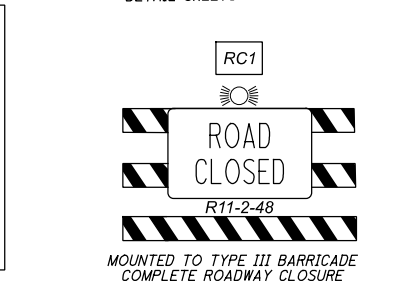
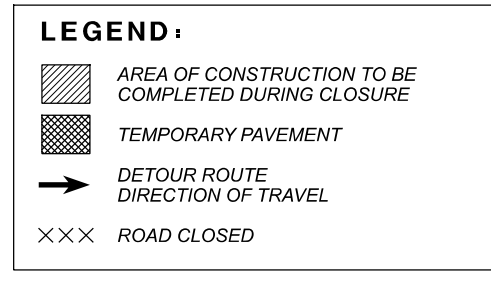
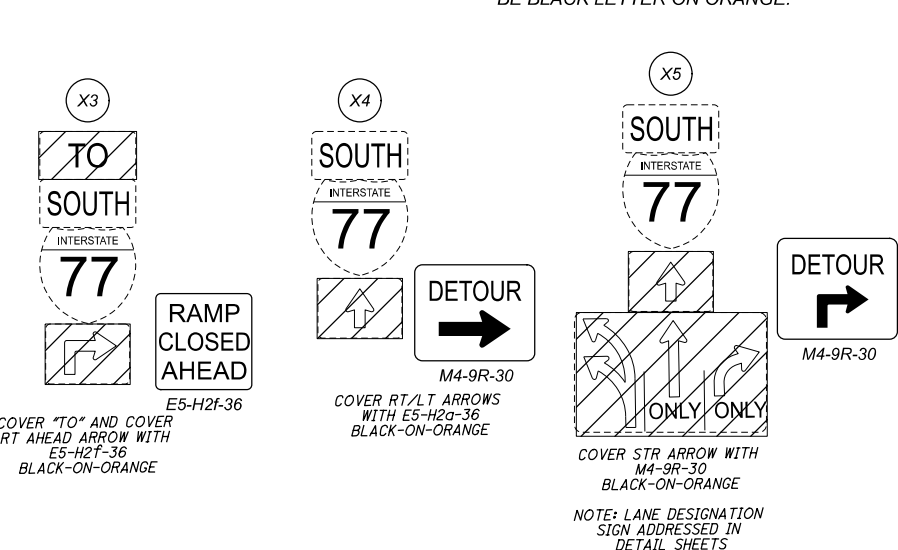
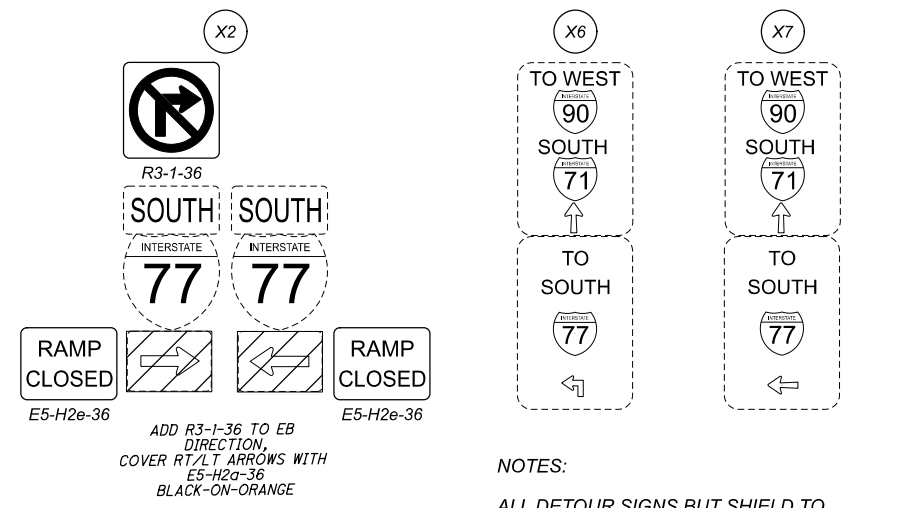
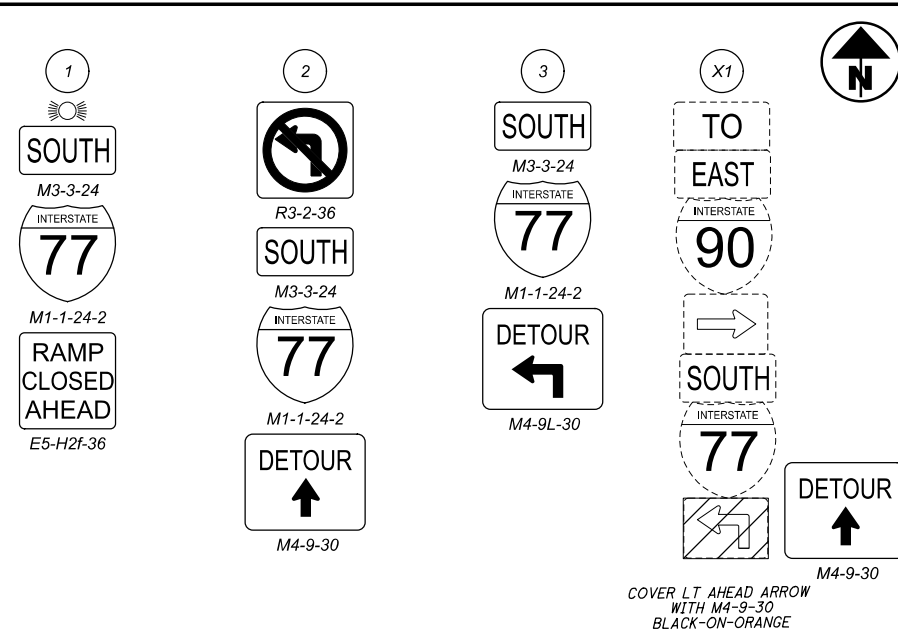
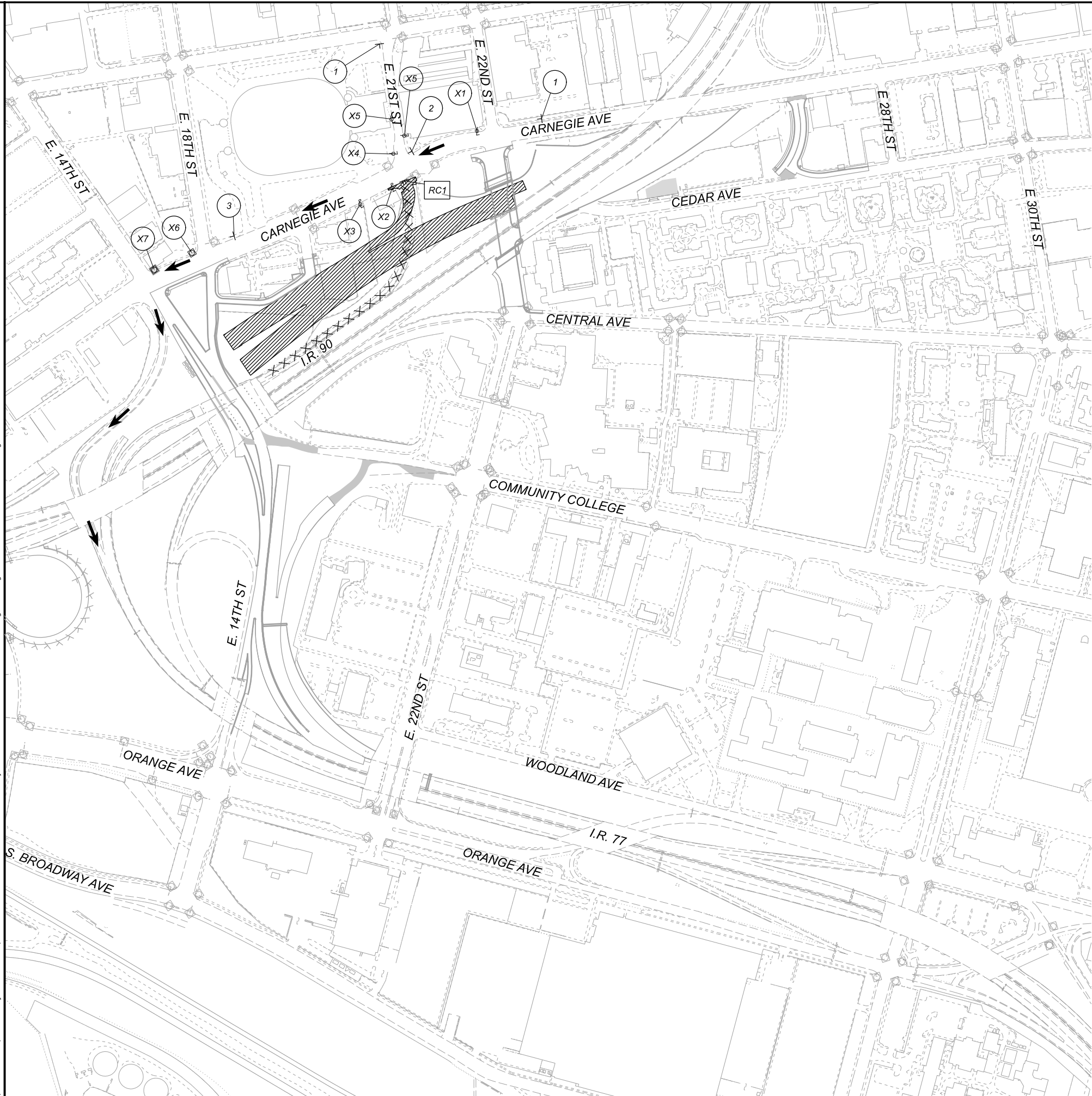
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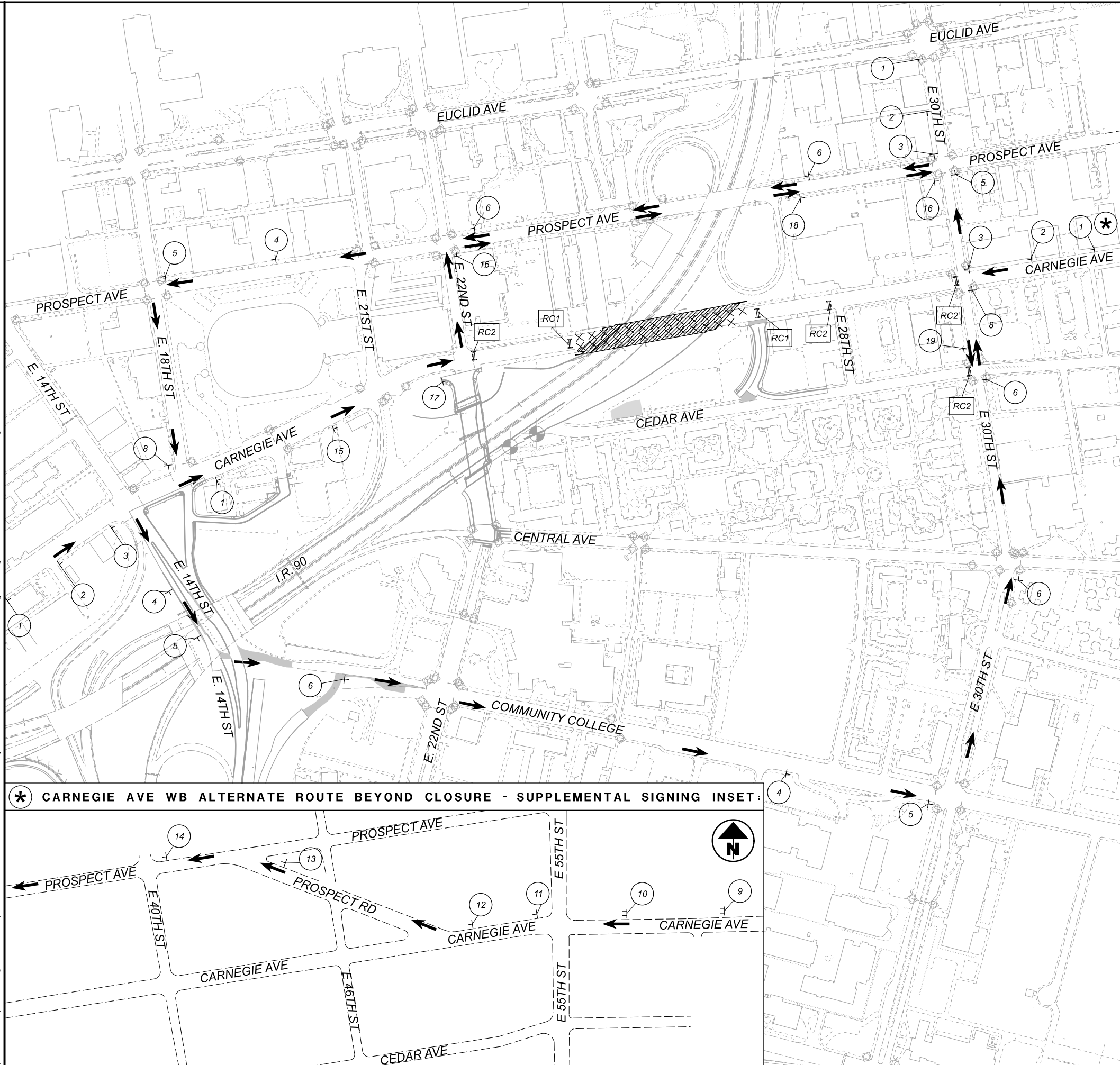
- AREA OF CONSTRUCTION TO BE COMPLETED DURING CLOSURE
- TEMPORARY PAVEMENT
- DETOUR ROUTE DIRECTION OF TRAVEL
- ROAD CLOSED



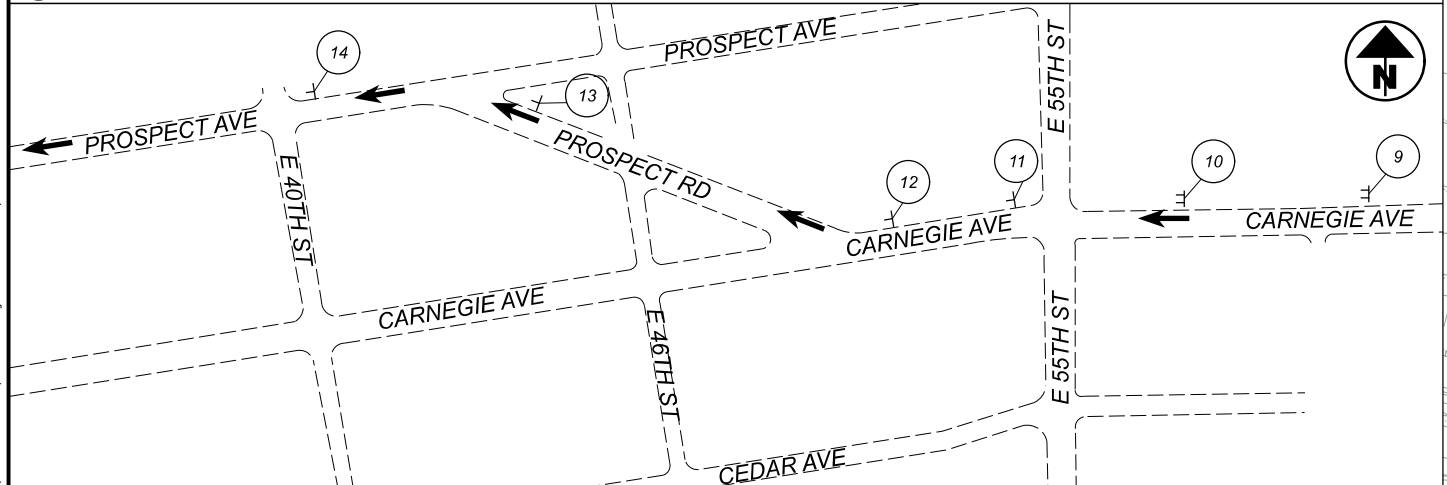
DETOUR PLAN
PHASES 2-10 - I.R. 90 EB CARNEGIE AVE. EXIT (#172C)

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
104	2339





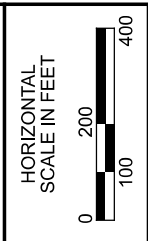
* CARNEGIE AVE WB ALTERNATE ROUTE BEYOND CLOSURE - SUPPLEMENTAL SIGNING INSET:



1 Carnegie Ave D3-1-48 ROAD CLOSED AHEAD W20-3-36	2 Carnegie Ave D3-1-48 DETOUR AHEAD W20-3-36	3 Carnegie Ave D3-1-48 DETOUR M4-9R-30	4 Carnegie Ave D3-1-48 DETOUR M4-9L-30	5 Carnegie Ave D3-1-48 DETOUR M4-9L-30	6 Carnegie Ave D3-1-48 DETOUR M4-9-30	7 Carnegie Ave D3-1-48 DETOUR M4-9R-30
8 Carnegie Ave D3-1-48 END DETOUR M4-8a-30	9 CARNegie AVE CLOSED AT E 30 TH ST SPECIAL SIGN DESIGN BLACK-ON-ORANGE	10 CARNegie AVE ALT ROUTE USE PROSPECT AVE SPECIAL SIGN DESIGN BLACK-ON-ORANGE	11 Carnegie Ave D3-1-48 ALT M4-1a-30 M5-1-30	12 Carnegie Ave D3-1-48 ALT M4-1a-30 M6-1-12	13 Carnegie Ave D3-1-48 ALT M4-1a-30 M6-1-12	14 Carnegie Ave D3-1-48 ALT M4-1a-30 M6-3-12
15 Cedar Ave D3-1-48 DETOUR AHEAD W20-3-36	16 Cedar Ave D3-1-48 DETOUR M4-9R-30	17 Cedar Ave D3-1-48 DETOUR M4-9L-30	18 Cedar Ave D3-1-48 DETOUR M4-9R-30	19 Cedar Ave D3-1-48 END DETOUR M4-8a-30	RC1 ROAD CLOSED R11-2-48 MOUNTED TO TYPE III BARRICADE COMPLETE ROADWAY CLOSURE	
		RC2 ROAD CLOSED LOCAL TRAFFIC ONLY R11-3-66 MOUNTED TO TYPE III BARRICADE PARTIAL ROADWAY CLOSURE		BARRICADE STRIPES TO BE SLOPING DOWNWARD IN DIRECTION ROAD USERS ARE TO PASS		

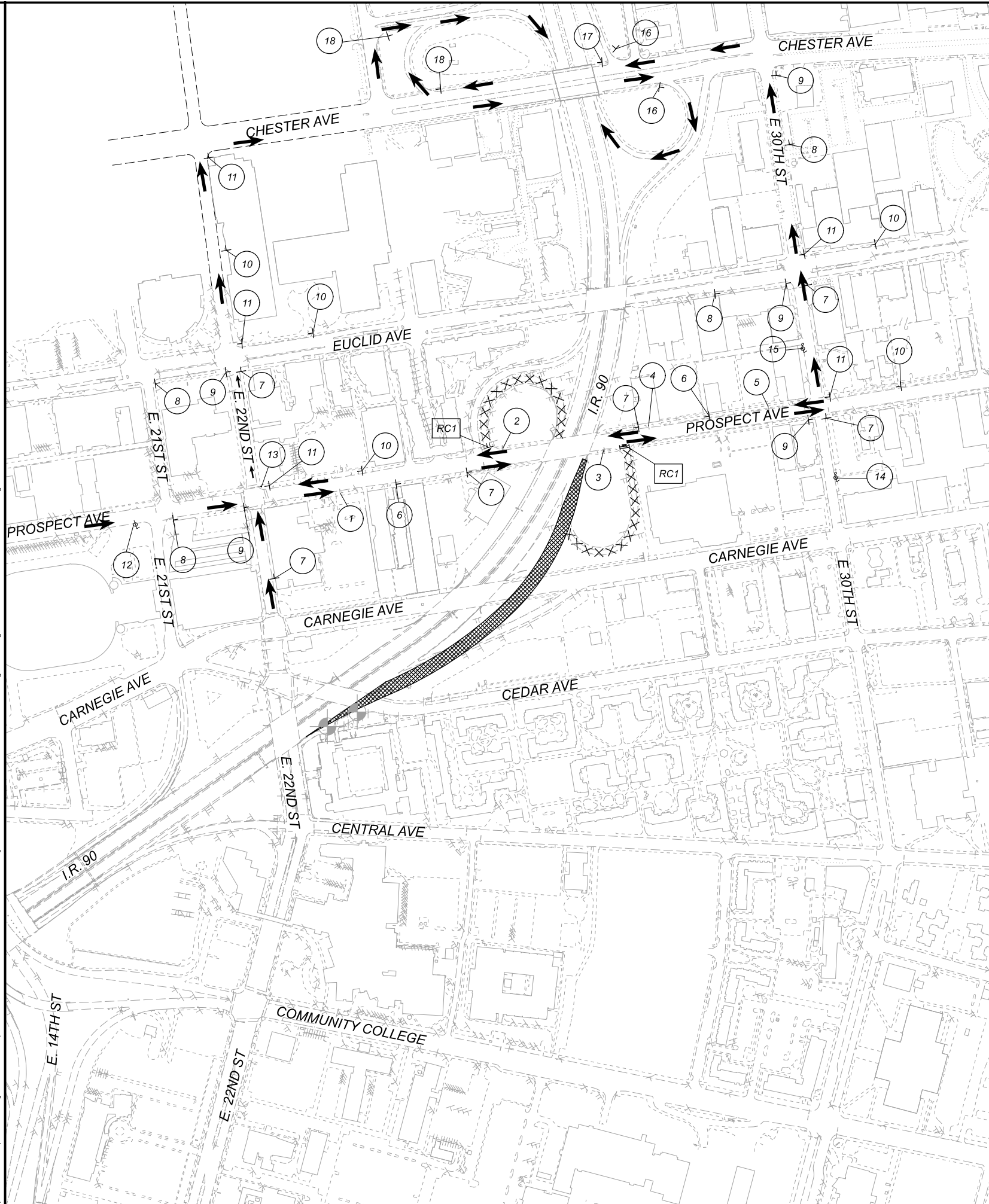
LEGEND:

- AREA OF CONSTRUCTION TO BE COMPLETED DURING CLOSURE
- TEMPORARY PAVEMENT
- DETOUR ROUTE DIRECTION OF TRAVEL
- ROAD CLOSED



DETOUR PLAN
PHASES 3-6 - CARNEGIE AVE.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
106	2339



1

2

3

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5

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12

13

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15

16

17

18

RC1

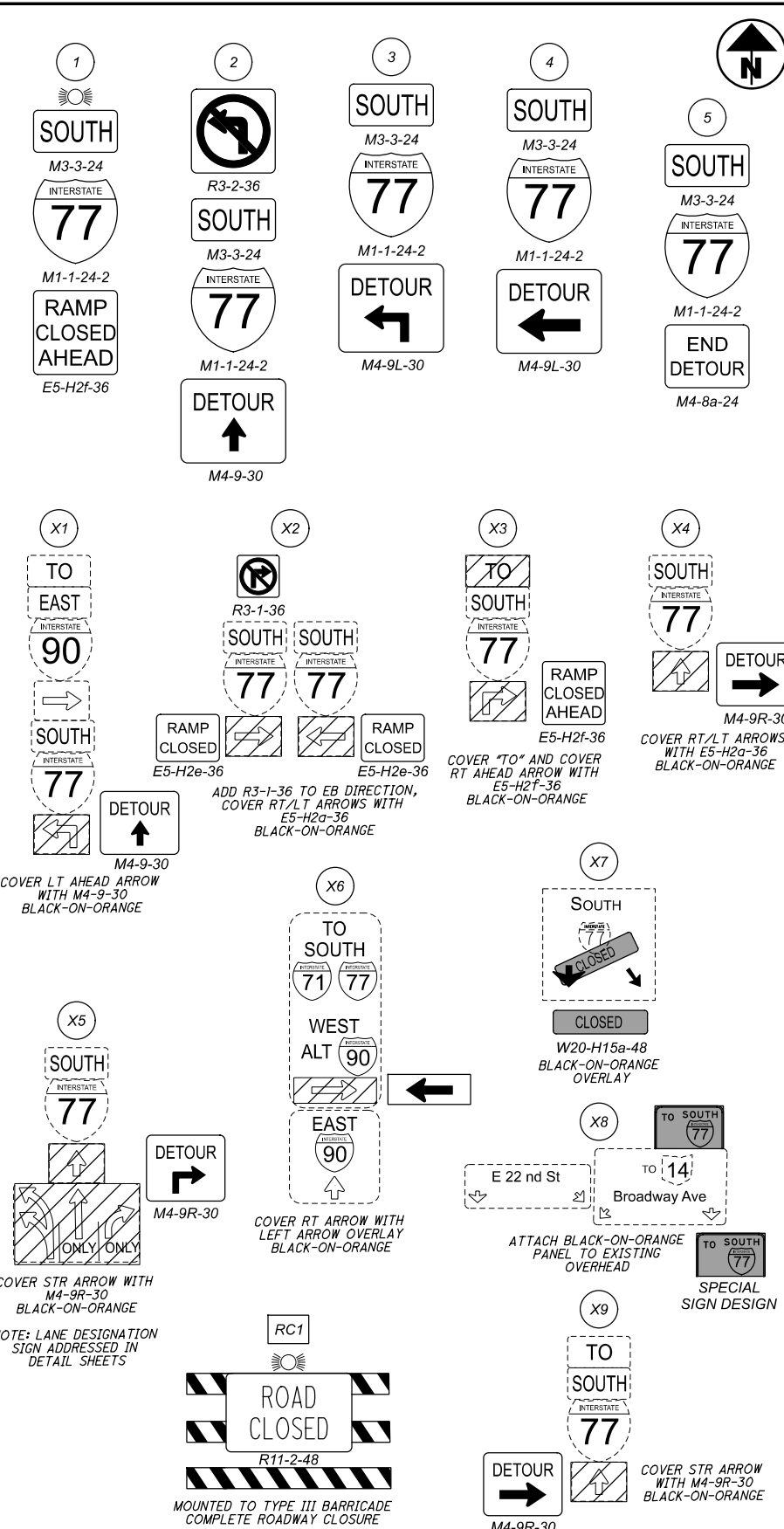
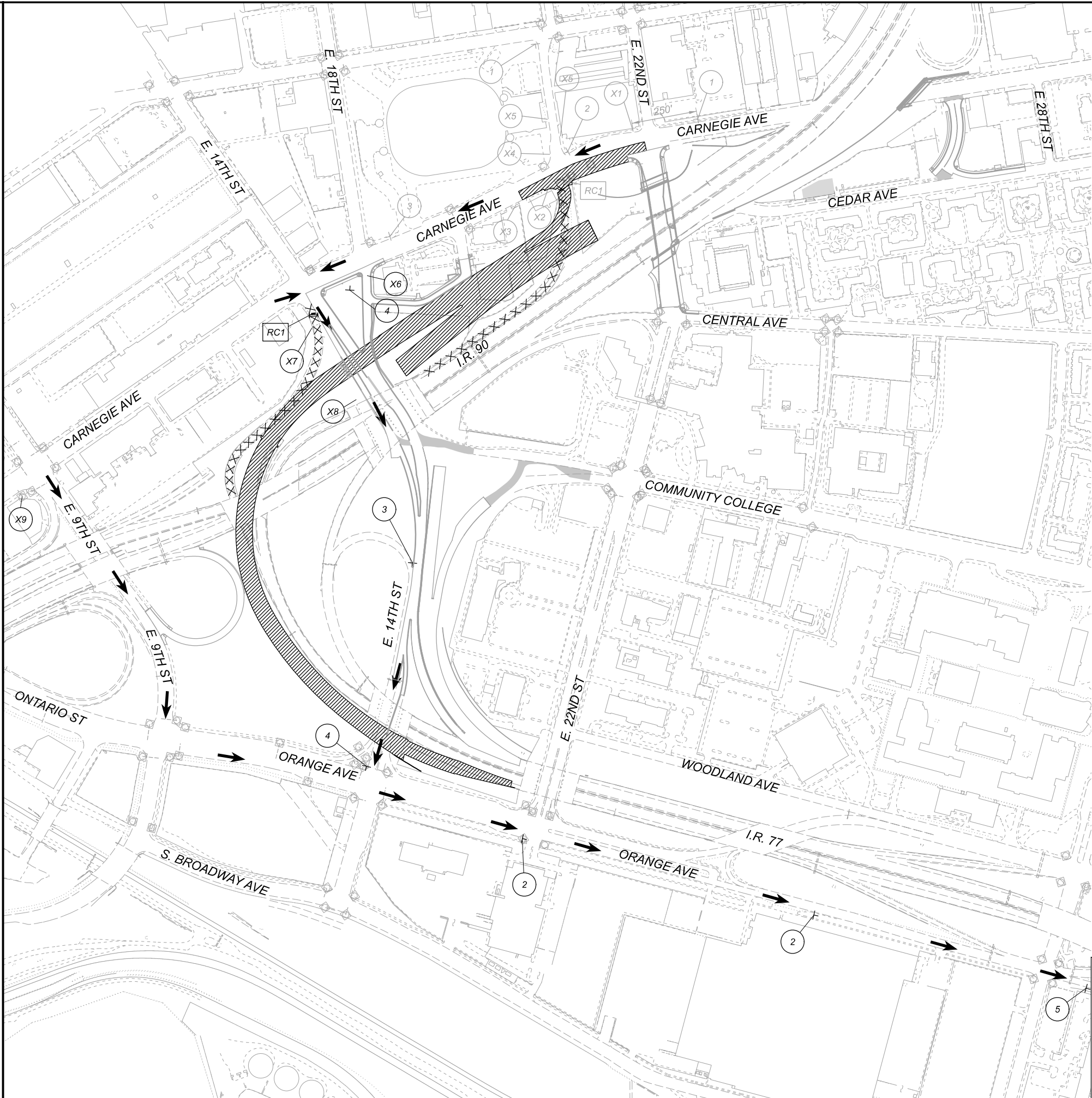
LEGEND:

- AREA OF CONSTRUCTION TO BE COMPLETED DURING CLOSURE
- TEMPORARY PAVEMENT
- DETOUR ROUTE DIRECTION OF TRAVEL
- ROAD CLOSED

NOTE:
 EXISTING OVERHEADS FOR I-90 ALONG CHESTER AVE NOT SHOWN

DETOUR PLAN
 PHASES 3-10 - I.R. 90 EB & WB ENTRANCE RAMP FROM PROSPECT AVE

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
107	2339



LEGEND:

- AREA OF CONSTRUCTION TO BE COMPLETED DURING CLOSURE
- TEMPORARY PAVEMENT
- DETOUR ROUTE DIRECTION OF TRAVEL
- ROAD CLOSED

NOTES:

ALL DETOUR SIGNS BUT SHIELD TO BE BLACK LETTER ON ORANGE.

EXISTING I-77 SB SIGNING AT E. 14TH ST & CARNegie AVE INTERSECTION, E. 9TH ST, ONTARIO ST, & ORANGE AVE NOT SHOWN BUT TO REMAIN IN PLACE.

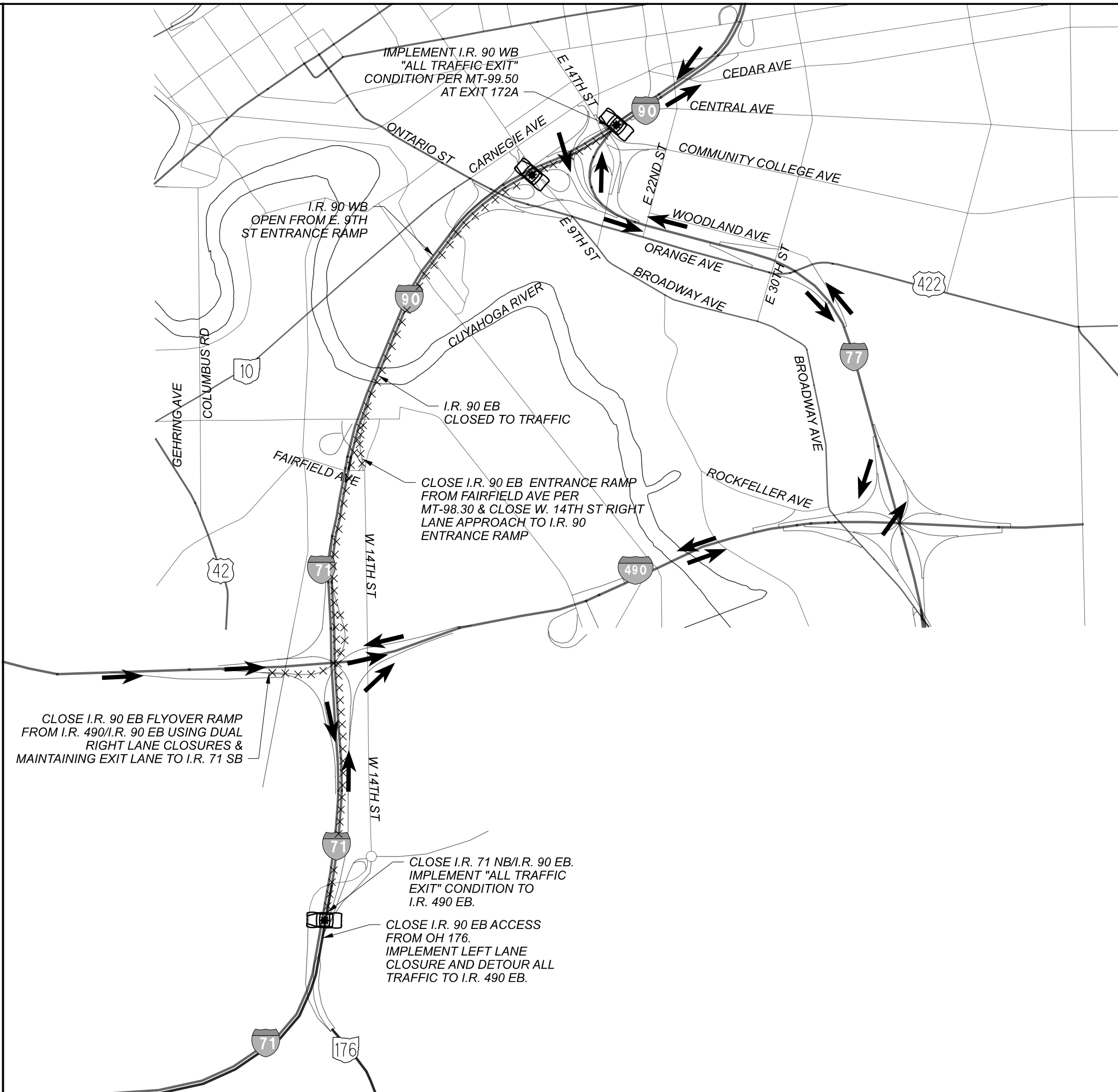
DETOUR SIGNS AT E. 21ST ST & CARNegie AVE INTERSECTION PREVIOUSLY PLACED.

HORIZONTAL SCALE IN FEET
 0 100 200 400

DETOUR PLAN
 PHASE 4 - E. 21ST ST. & E. 22ND ST. TO I.R. 77 SOUTHBOUND ENTRANCE RAMP

DESIGN AGENCY
Michael Baker INTERNATIONAL

DESIGNER
 REVIEWER
 PROJECT ID
 82382
 SHEET TOTAL
 108 2339



IMPLEMENT I.R. 90 WB
 "ALL TRAFFIC EXIT"
 CONDITION PER MT-99.50
 AT EXIT 172A

I.R. 90 WB
 OPEN FROM E. 9TH
 ST ENTRANCE RAMP

I.R. 90 EB
 CLOSED TO TRAFFIC

CLOSE I.R. 90 EB ENTRANCE RAMP
 FROM FAIRFIELD AVE PER
 MT-98.30 & CLOSE W. 14TH ST RIGHT
 LANE APPROACH TO I.R. 90
 ENTRANCE RAMP

CLOSE I.R. 90 EB FLYOVER RAMP
 FROM I.R. 490/I.R. 90 EB USING DUAL
 RIGHT LANE CLOSURES &
 MAINTAINING EXIT LANE TO I.R. 71 SB

CLOSE I.R. 71 NB/I.R. 90 EB.
 IMPLEMENT "ALL TRAFFIC
 EXIT" CONDITION TO
 I.R. 490 EB.

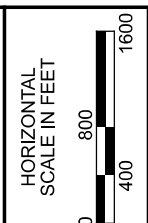
CLOSE I.R. 90 EB ACCESS
 FROM OH 176.
 IMPLEMENT LEFT LANE
 CLOSURE AND DETOUR ALL
 TRAFFIC TO I.R. 490 EB.

4 WEEKEND CLOSURES OF I.R. 90 EB & WB
 BETWEEN E. 9TH ST & E. 14TH ST REQUIRED
 FOR CONSTRUCTION OF PR. BRIDGE 9
 (I.R. 90 WB TO I.R. 77 SB ENTRANCE RAMP)
 OVER EXISTING I.R. 90 LANES.

DETOUR ROUTE TO USE I.R. 77 & I.R. 490.
 CLOSURE TO BE IMPLEMENTED USING LAW
 ENFORCEMENT, PORTABLE CHANGEABLE
 MESSAGE SIGNS, AND PUBLIC INFORMATION
 CAMPAIGNS

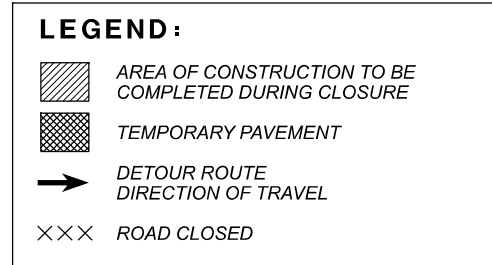
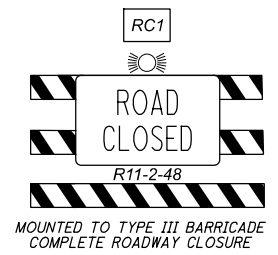
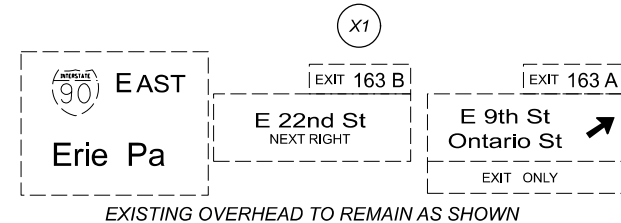
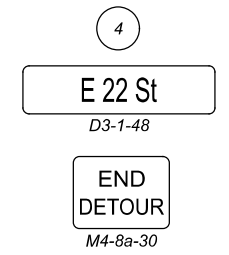
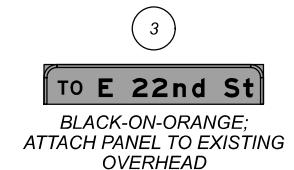
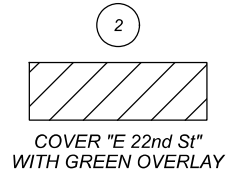
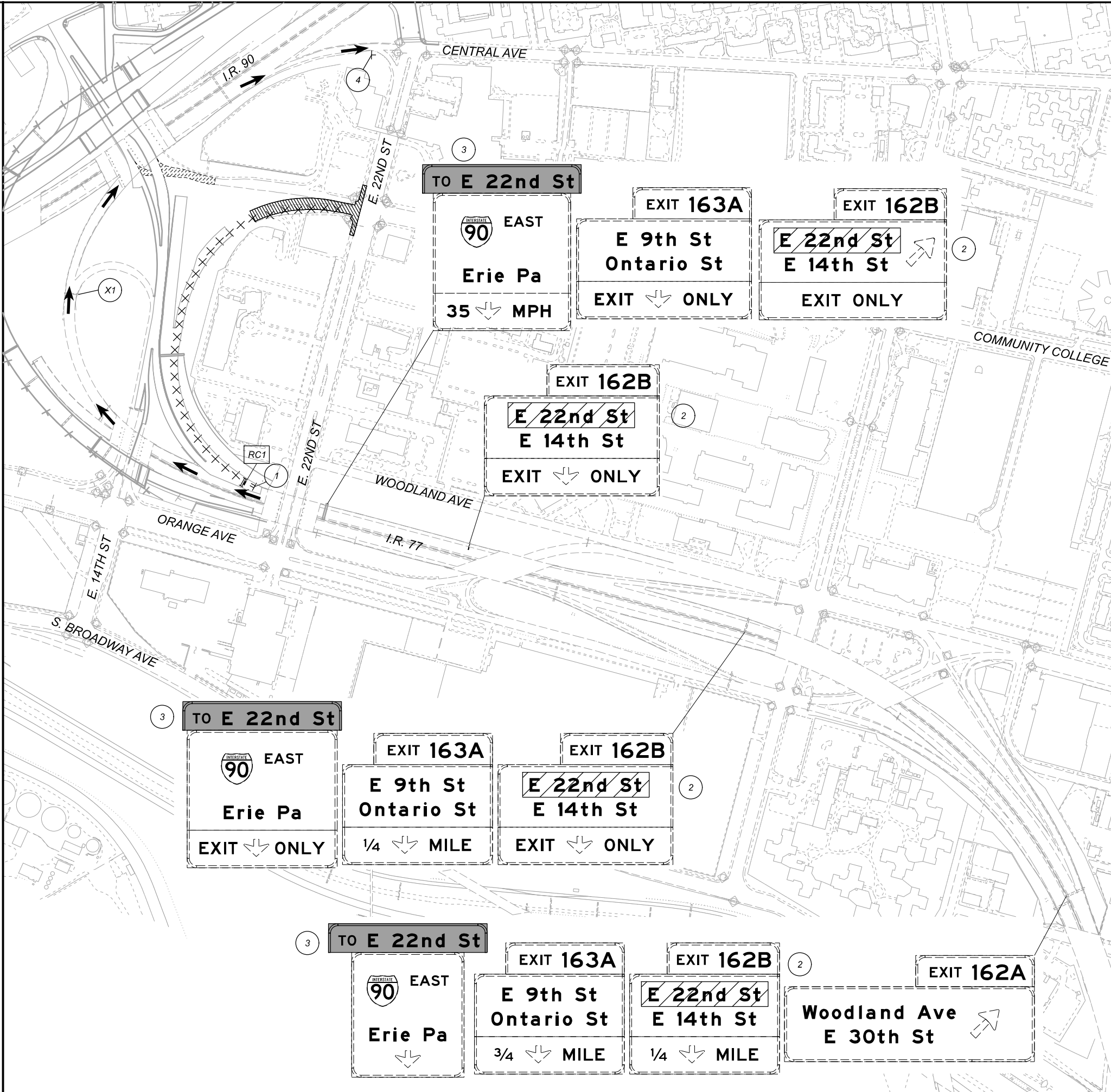
LEGEND:

- DETOUR ROUTE
DIRECTION OF TRAVEL
- ROAD CLOSED
- LAW ENFORCEMENT
- CHANGEABLE MESSAGE SIGN (CMS)



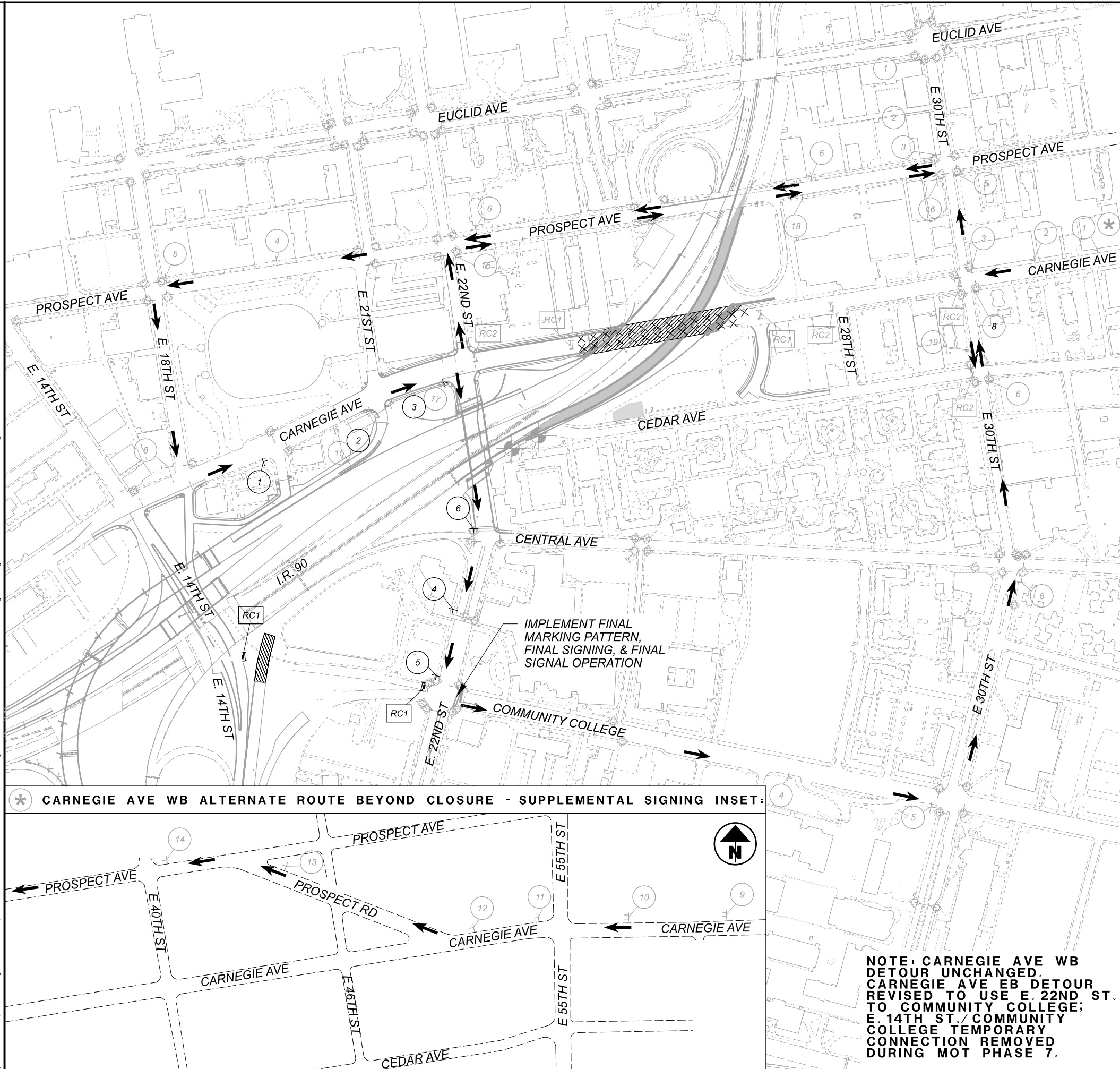
DETOUR PLAN
 PHASE 4 - I.R. 90 WEEKEND CLOSURES FOR PR. BRIDGE 9 CONSTRUCTION

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
109	2339

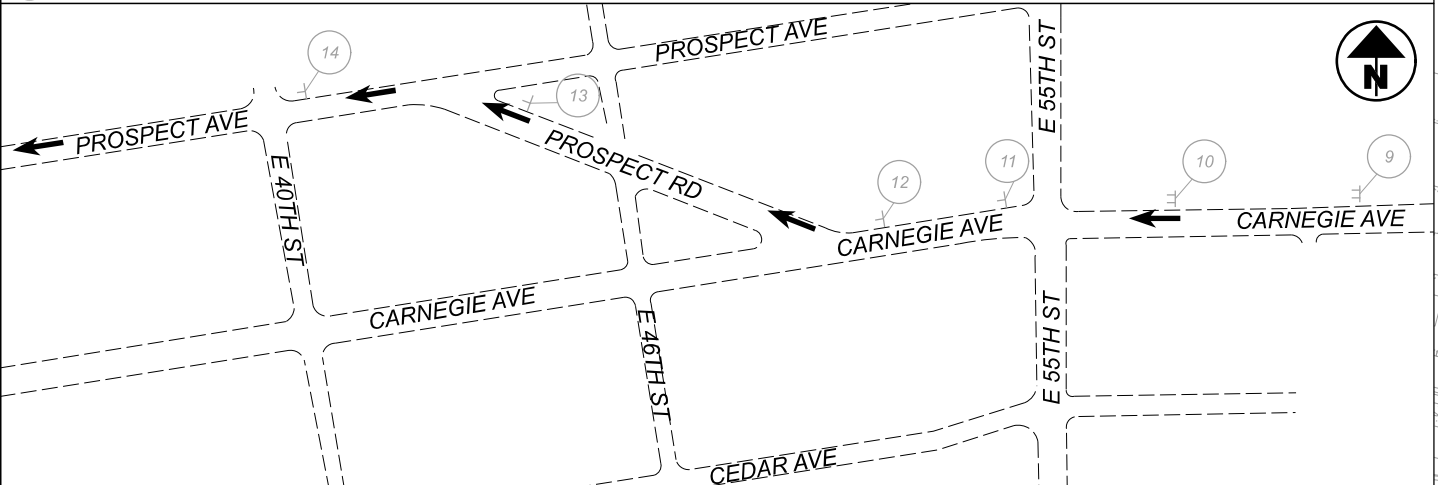


DETOUR PLAN
 PHASE 7 - I.R. 77 NORTHBOUND E. 22ND ST. EXIT RAMP (EXIT 162B)

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	110
TOTAL	2339



* CARNEGIE AVE WB ALTERNATE ROUTE BEYOND CLOSURE - SUPPLEMENTAL SIGNING INSET:

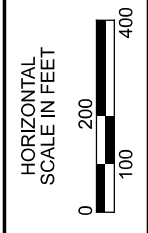


NOTE: CARNEGIE AVE WB DETOUR UNCHANGED. CARNEGIE AVE EB DETOUR REVISED TO USE E. 22ND ST. TO COMMUNITY COLLEGE; E. 14TH ST./COMMUNITY COLLEGE TEMPORARY CONNECTION REMOVED DURING MOT PHASE 7.

1 Carnegie Ave D3-1-48 ROAD CLOSED AHEAD W20-3-36	2 Carnegie Ave D3-1-48 DETOUR AHEAD W20-3-36	3 Carnegie Ave D3-1-48 DETOUR M4-9R-30
4 Carnegie Ave D3-1-48 DETOUR M4-9L-30	5 Carnegie Ave D3-1-48 DETOUR M4-9L-30	6 Carnegie Ave D3-1-48 DETOUR M4-9-30
7 Carnegie Ave D3-1-48 DETOUR M4-9R-30	8 Carnegie Ave D3-1-48 END DETOUR M4-8a-30	9 CARNegie AVE CLOSED AT E 30 ST SPECIAL SIGN DESIGN BLACK-ON-ORANGE
10 CARNegie AVE ALT ROUTE USE PROSPECT AVE SPECIAL SIGN DESIGN BLACK-ON-ORANGE	11 Carnegie Ave D3-1-48 ALT M4-1a-30 M5-1-30	12 Carnegie Ave D3-1-48 ALT M4-1a-30 M6-1-12
13 Carnegie Ave D3-1-48 ALT M4-1a-30 M6-1-12	14 Carnegie Ave D3-1-48 ALT M4-1a-30 M6-3-12	15 Cedar Ave D3-1-48 DETOUR AHEAD W20-3-36
16 Cedar Ave D3-1-48 DETOUR M4-9R-30	17 Cedar Ave D3-1-48 DETOUR M4-9L-30	18 Cedar Ave D3-1-48 DETOUR M4-9R-30
19 Cedar Ave D3-1-48 END DETOUR M4-8a-30	RC1 MOUNTED TO TYPE III BARRICADE COMPLETE ROADWAY CLOSURE	
	RC2 MOUNTED TO TYPE III BARRICADE PARTIAL ROADWAY CLOSURE BARRICADE STRIPES TO BE SLOPING DOWNWARD IN DIRECTION ROAD USERS ARE TO PASS	

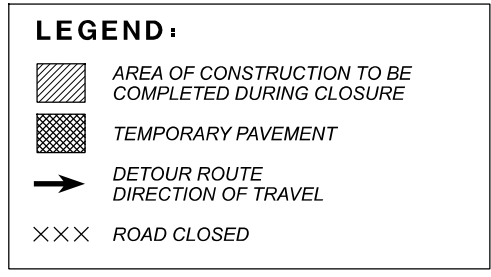
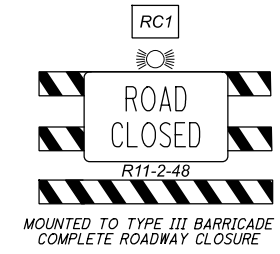
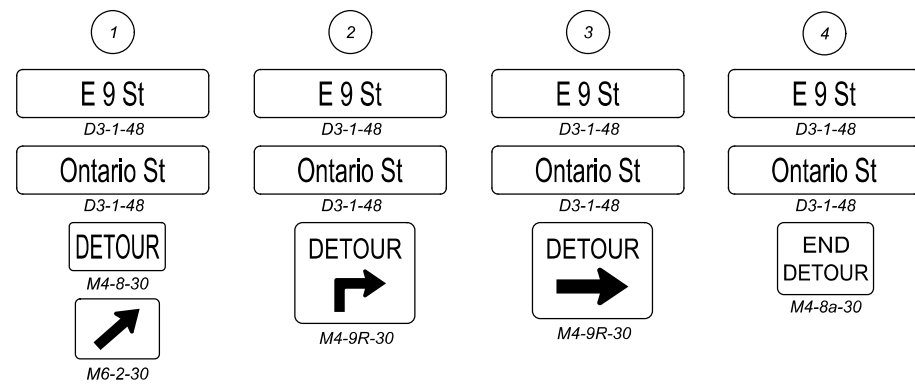
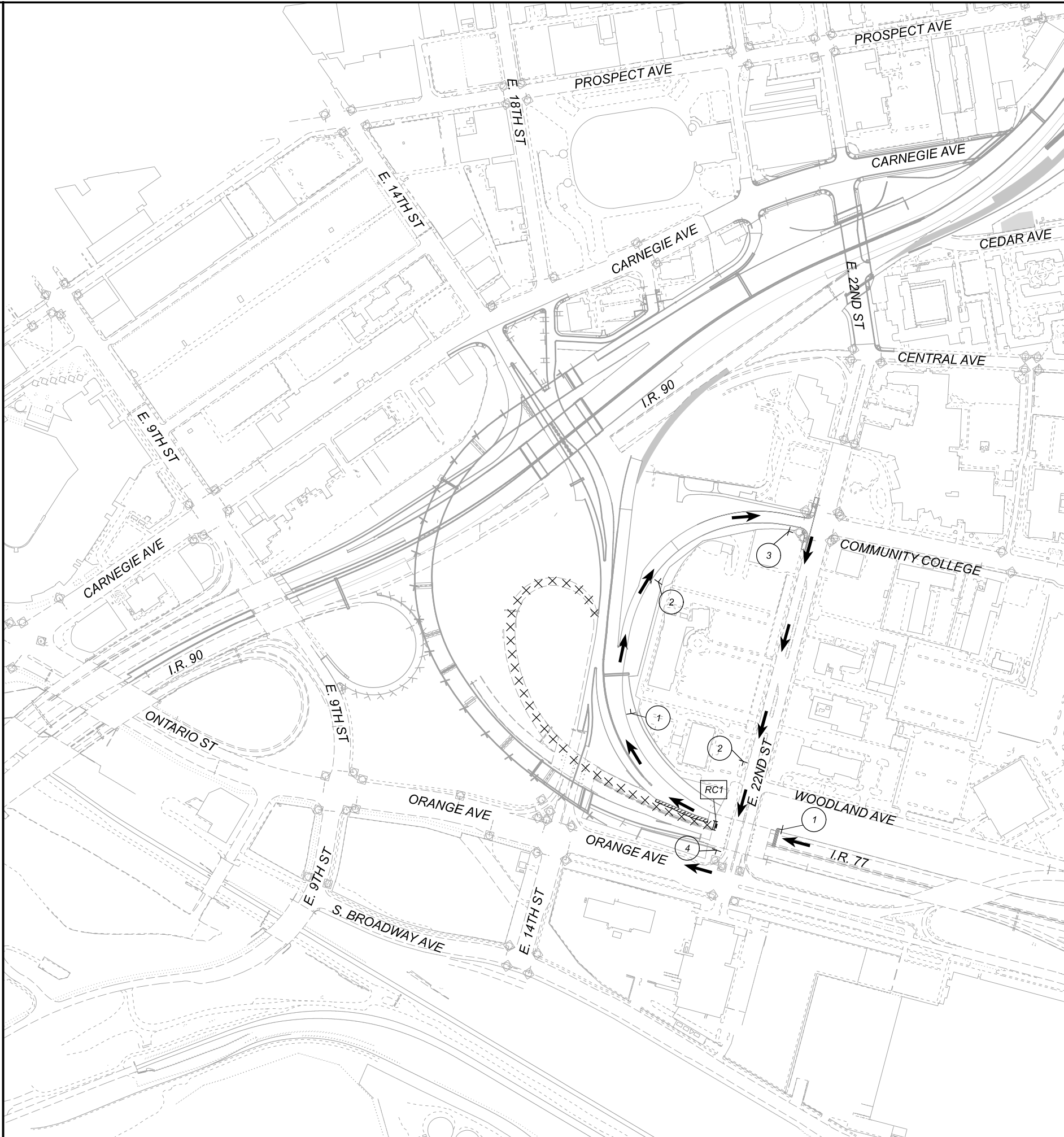
LEGEND:

- AREA OF CONSTRUCTION TO BE COMPLETED DURING CLOSURE
- TEMPORARY PAVEMENT
- DETOUR ROUTE DIRECTION OF TRAVEL
- ROAD CLOSED



**DETOUR PLAN
 PHASES 7-10 - CARNEGIE AVE.**

DESIGN AGENCY	Michael Baker International
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	111
TOTAL	2339

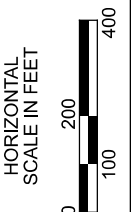


NOTE:

I.R. 77 NB LEFT LANE & EXIT 163A TO E. 9TH/ONTARIO ST TO BE CLOSED FOR A MAXIMUM OF 14 CONSECUTIVE CALENDAR DAYS TO CONSTRUCT I.R. 77 PROPOSED GORE.

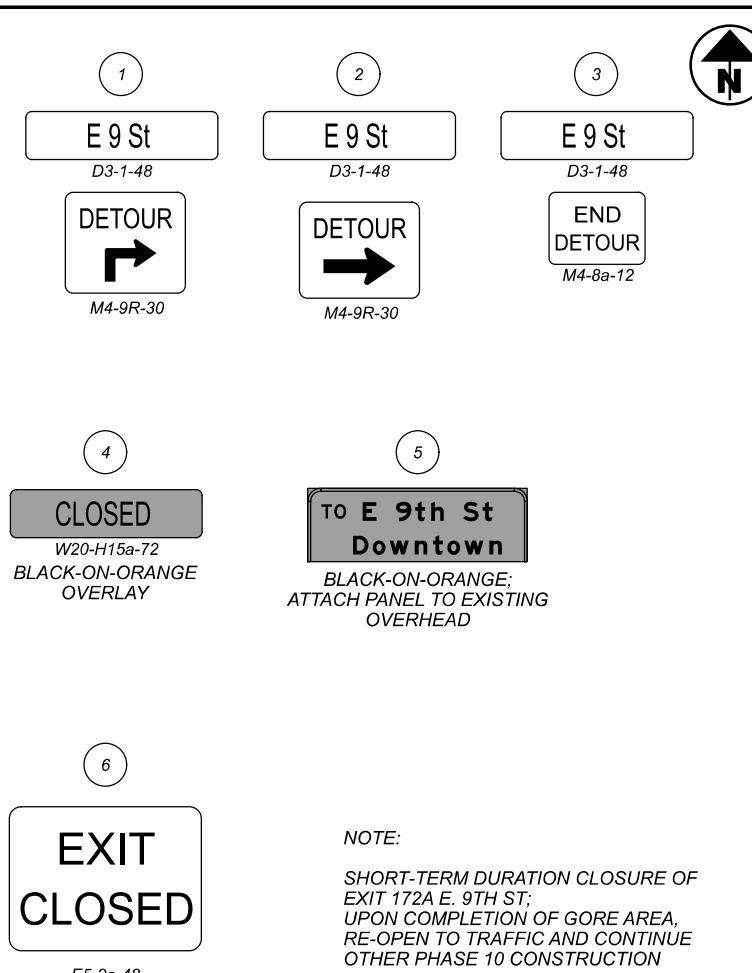
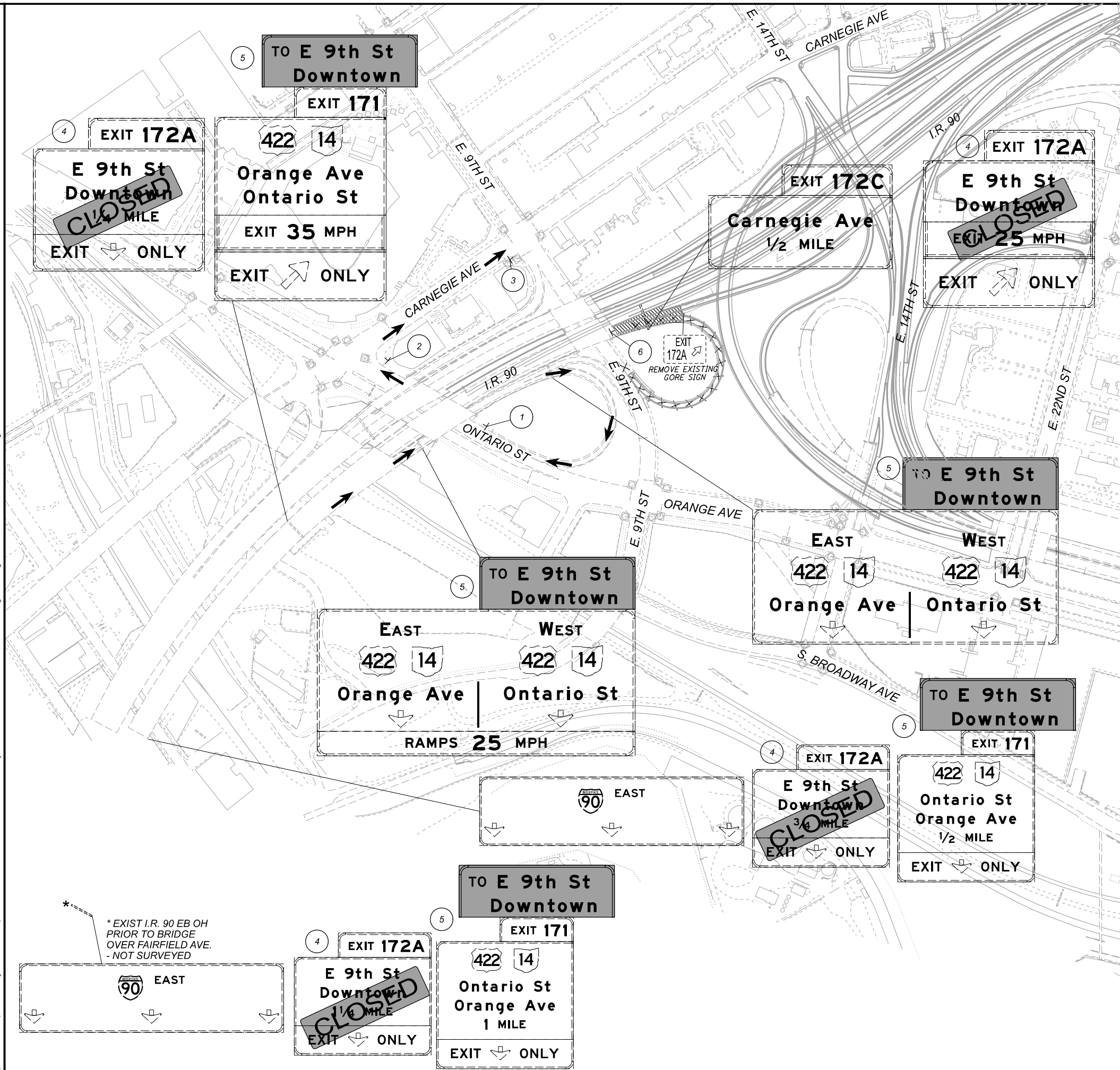
UPON COMPLETION OF GORE AREA, REVISE ALL OVERHEAD SIGNING TO PROPOSED CONDITION. PLACE TEMPORARY PAVEMENT MARKINGS IN FINAL MARKING PATTERN, AND OPEN ALL I.R. 77 NB LANES TO PROPOSED CONFIGURATION.

FINAL MARKINGS TO BE INSTALLED UPON PAVING OF THE FINAL SURFACE COURSE.

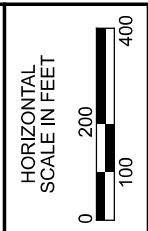
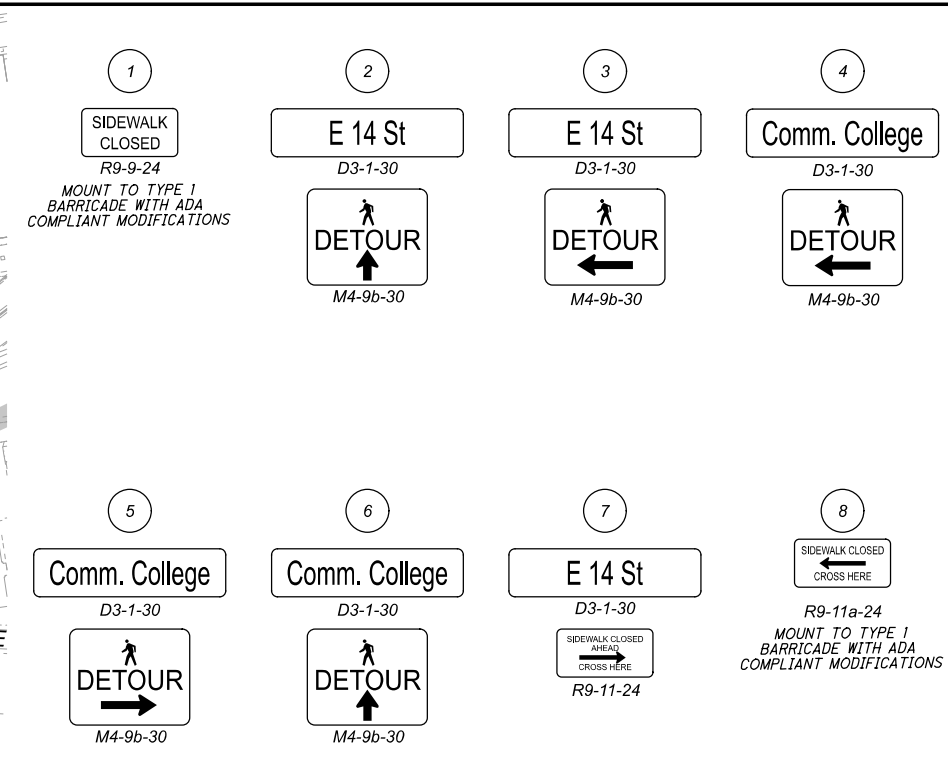
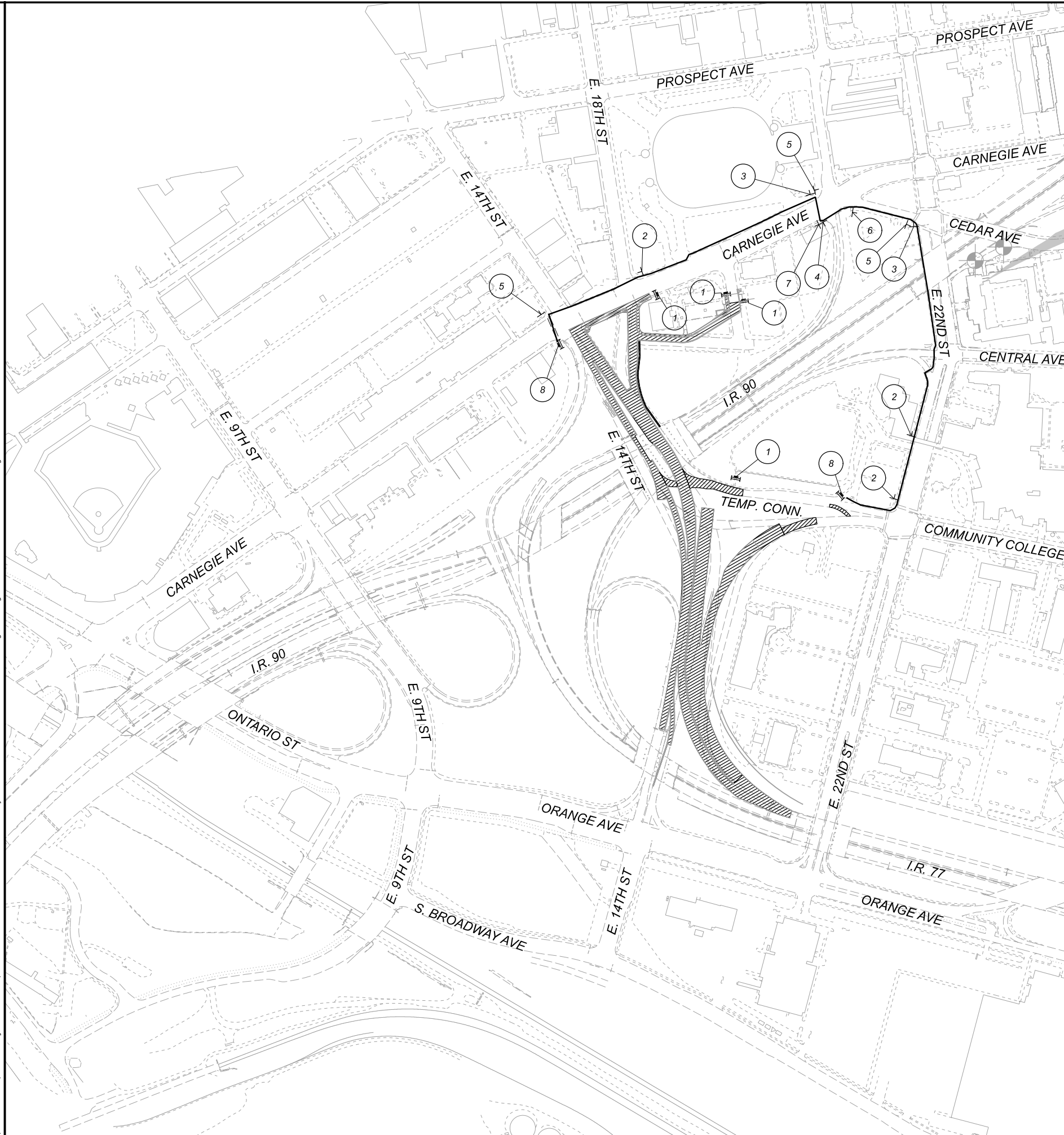


DETOUR PLAN
 PHASE 9 - I.R. 77 NORTHBOUND E. 14TH ST. SOUTHBOUND EXIT RAMP (RAMP 163A)

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	112
TOTAL	2339

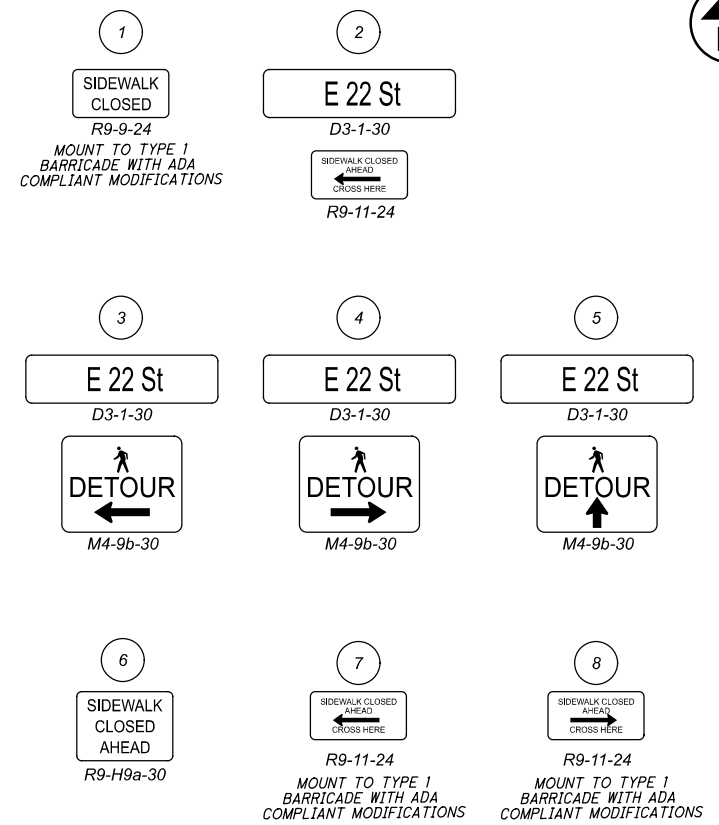
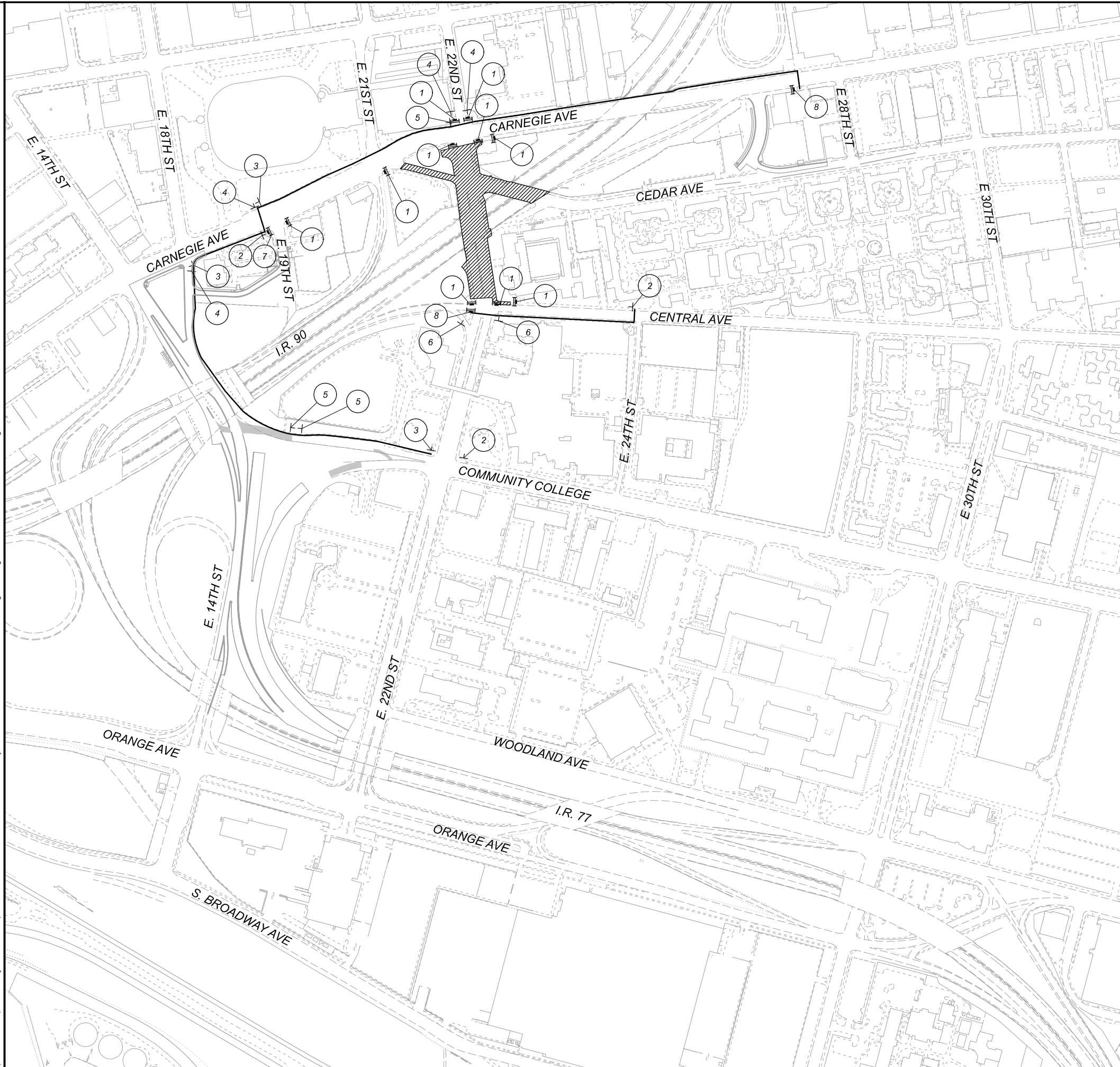


NOTE:
SHORT-TERM DURATION CLOSURE OF EXIT 172A E. 9TH ST;
UPON COMPLETION OF GORE AREA,
RE-OPEN TO TRAFFIC AND CONTINUE
OTHER PHASE 10 CONSTRUCTION



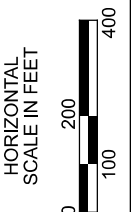
PEDESTRIAN DETOUR PLAN
 PHASE 1 - E. 14TH ST.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
114	2339



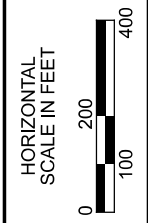
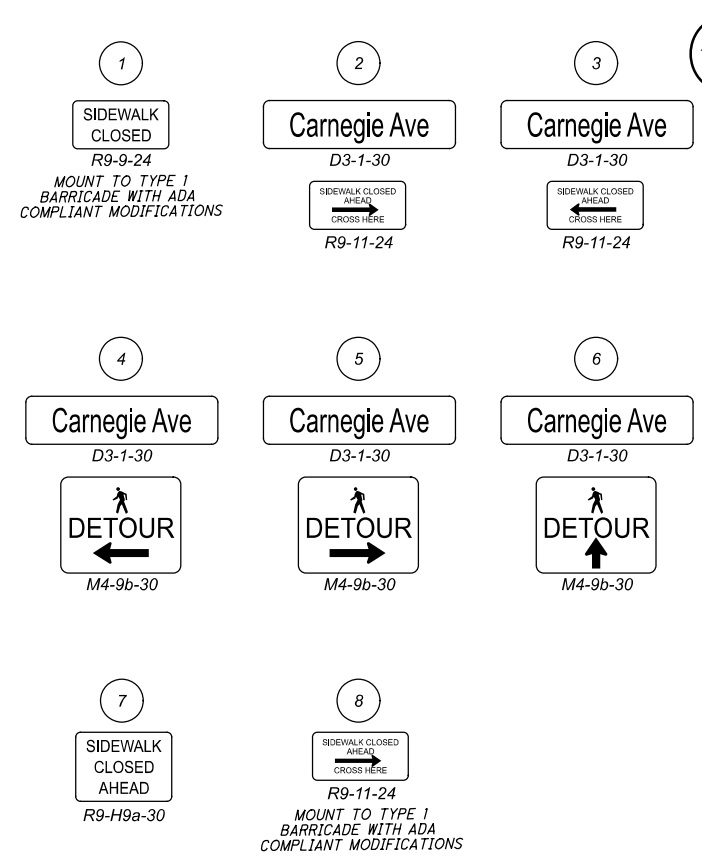
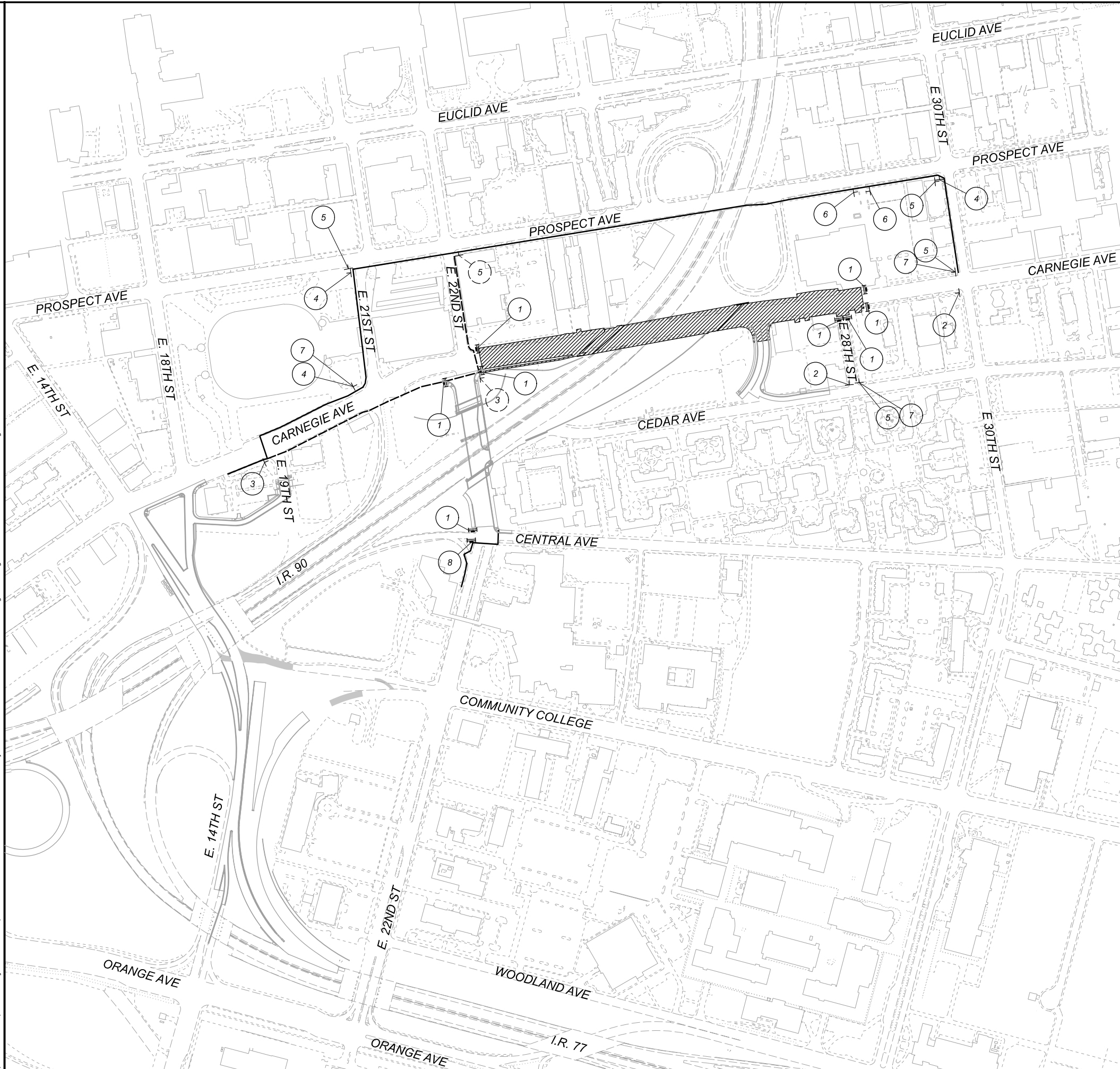
LEGEND:

- AREA OF CONSTRUCTION DURING DETOUR
- PEDESTRIAN DETOUR ROUTE
- TYPE 1 BARRICADE WITH ADA COMPLIANT MODIFICATIONS



PEDESTRIAN DETOUR PLAN
 PHASE 2 - E. 22ND ST. & CEDAR AVE.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	115
TOTAL	2339



LEGEND:

- AREA OF CONSTRUCTION DURING DETOUR
- PEDESTRIAN DETOUR ROUTE
- PHASE 4B PEDESTRIAN DETOUR ROUTE (SEE NOTES BELOW)
- TYPE 1 BARRICADE WITH ADA COMPLIANT MODIFICATIONS

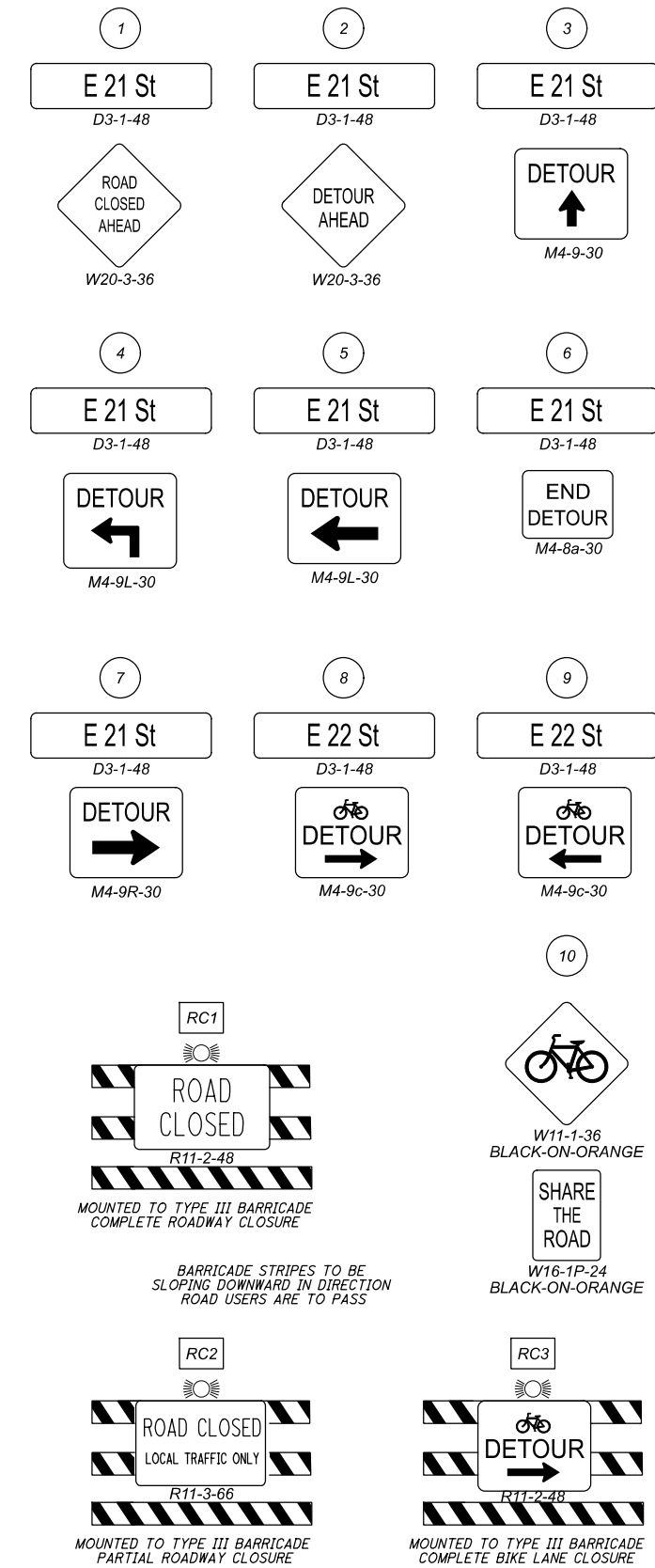
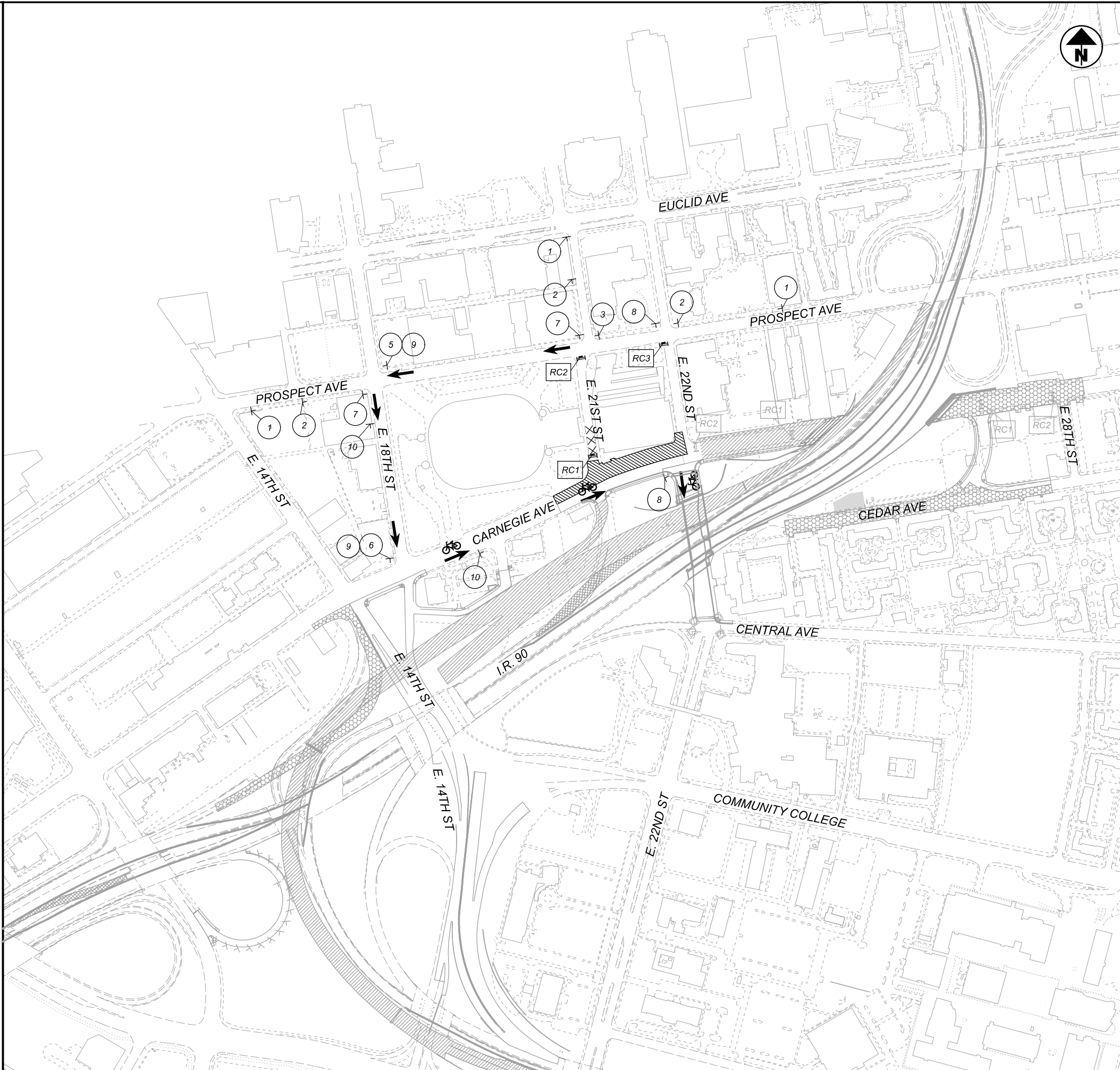
NOTES:

NOT ALL SIDEWALK CLOSURES SIGNS & DEVICES SHOWN ON DETOUR SHEET. ADDITIONAL SIGNS & DEVICES ARE SHOWN ON APPLICABLE PHASE DETAIL SHEETS AND ADJUSTED ACCORDINGLY.

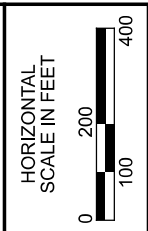
PEDESTRIAN DETOUR ROUTE TO BE ADJUSTED FOR PHASE 4B. PHASE 4B ROUTE AND SIGNS SHOWN IN DASHED LIFESTYLE.

PEDESTRIAN DETOUR PLAN
 PHASES 3-10 - CARNEGIE AVE.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	116
TOTAL	2339

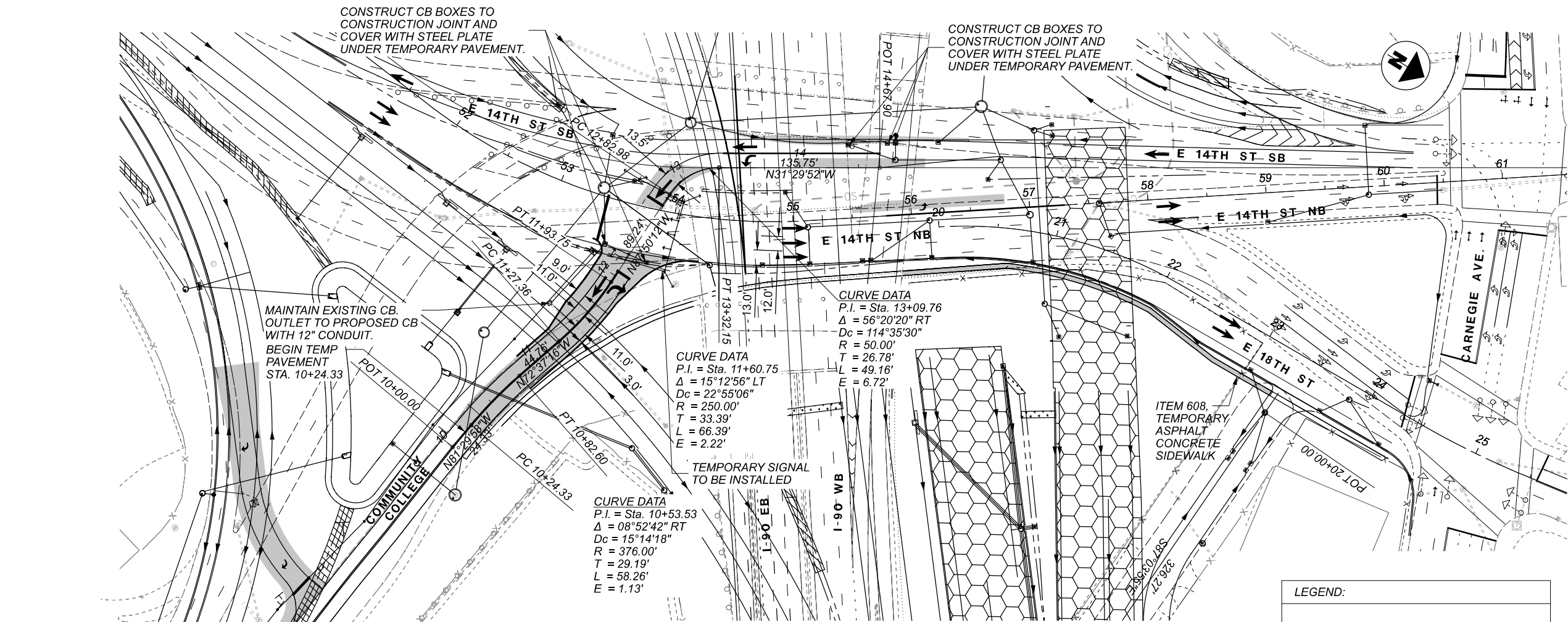


- LEGEND:**
- AREA OF CONSTRUCTION TO BE COMPLETED DURING CLOSURE
 - TEMPORARY PAVEMENT
 - DETOUR ROUTE DIRECTION OF TRAVEL
 - BIKE DETOUR ROUTE ONLY
 - ROAD CLOSED



BICYCLE DETOUR PLAN
 PHASE 4B - E. 21ST ST. AT CARNEGIE AVE. AND E. 22ND ST.

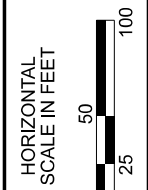
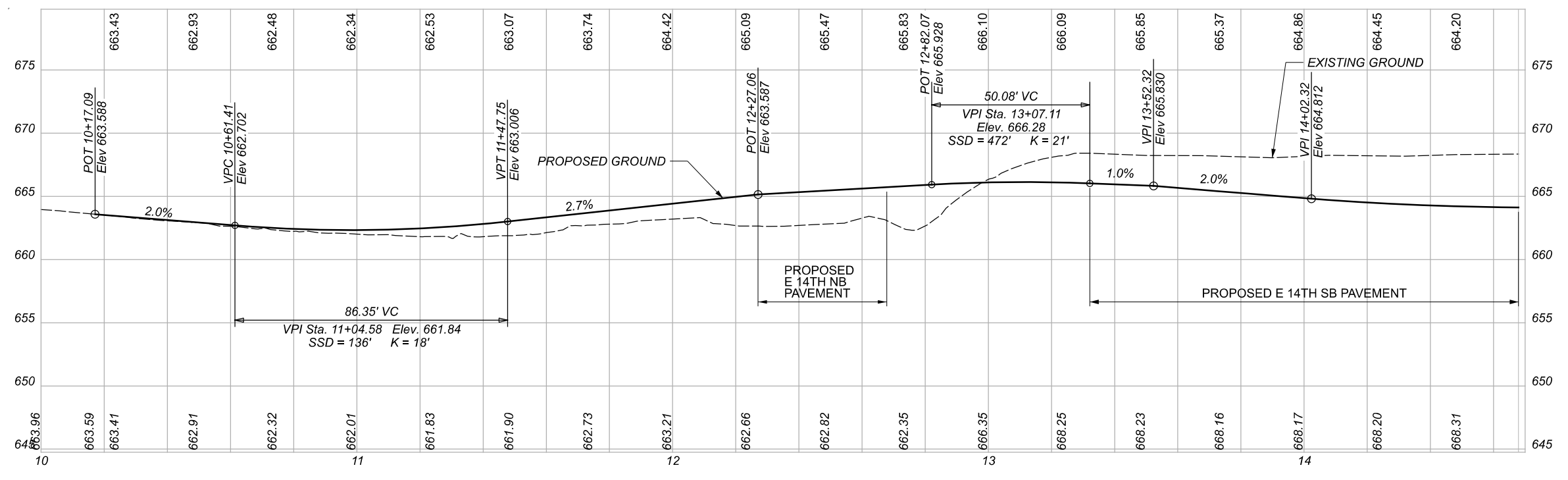
DESIGN AGENCY	Michael Baker International
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	117
TOTAL	2339



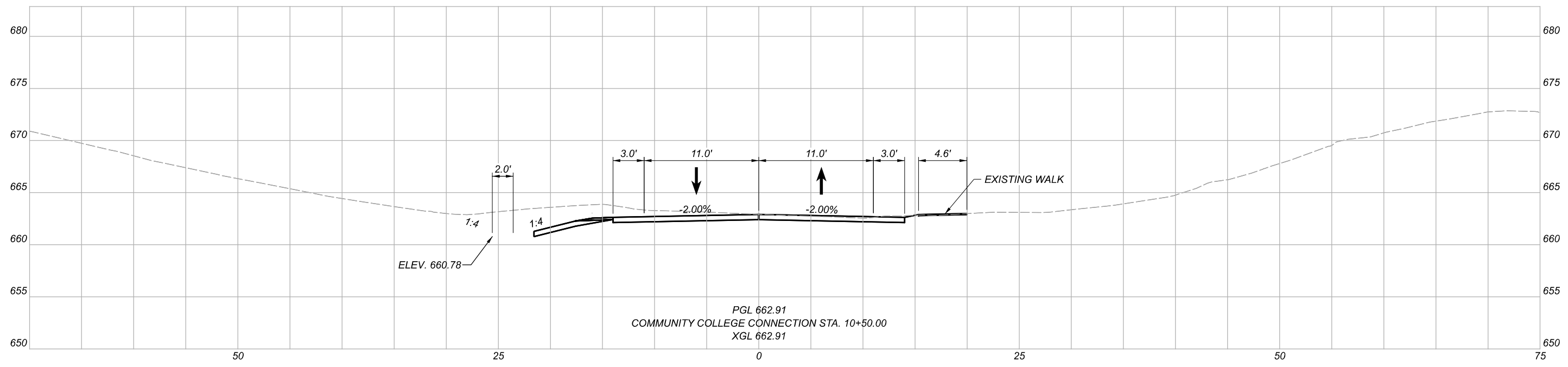
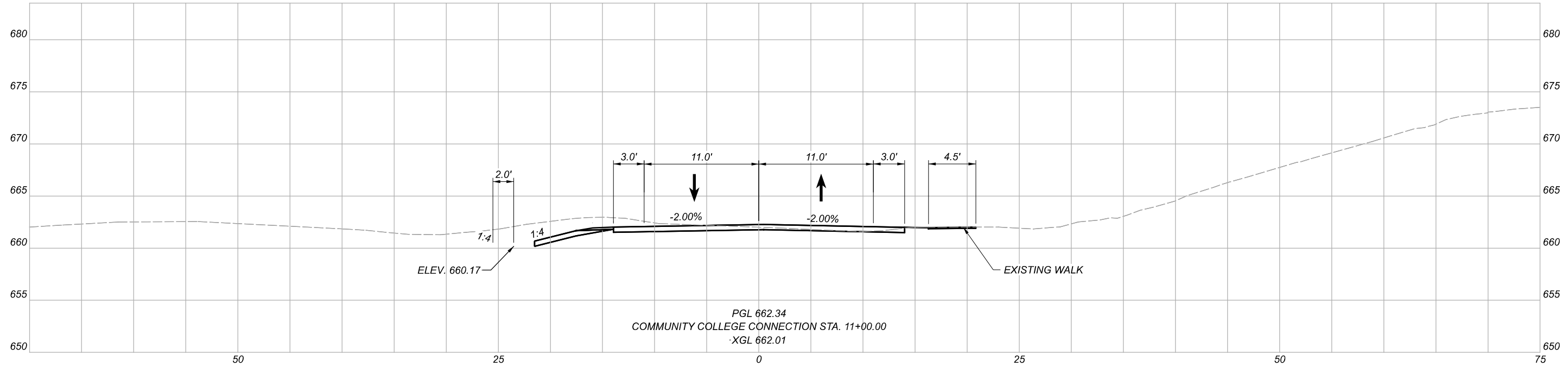
CROSS SECTIONS BY ALIGNMENT	STATIONS	SHEETS
COMMUNITY COLLEGE CONNECTION	10+50 - 13+00	119 - 121
E. 14TH ST. EXISTING SIDEWALK	54+50 - 56+00	122 - 123
E. 18TH ST. SIDEWALK	20+00 - 24+30.03	124 - 127

LEGEND:

- AREA OF CONSTRUCTION TO BE COMPLETED DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- DIRECTION OF TRAVEL



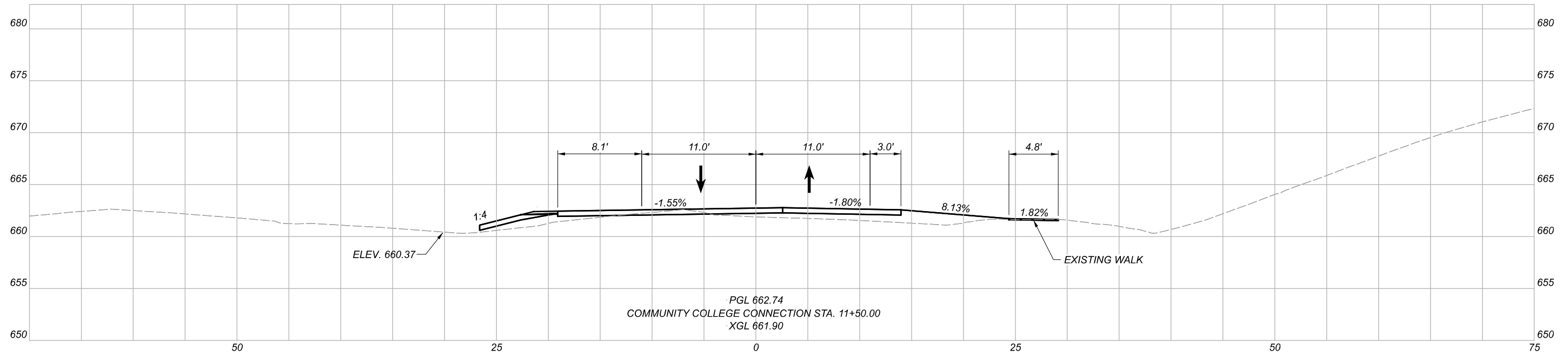
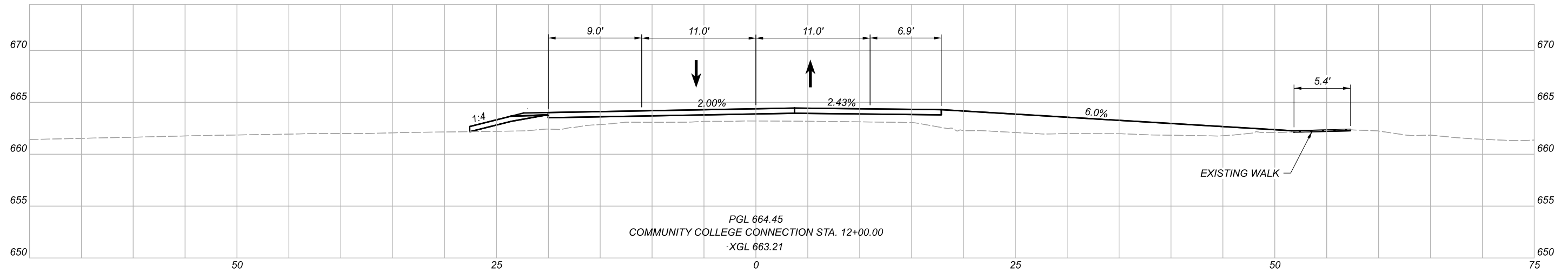
MAINTENANCE OF TRAFFIC - PHASE 2
 PLAN & PROFILE - TEMPORARY E. 14TH ST. TO COMMUNITY COLLEGE BLVD.



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E. 14TH ST. AND COMMUNITY COLLEGE BLVD.

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
PROJECT ID	82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	119	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E. 14TH ST. AND COMMUNITY COLLEGE BLVD.

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

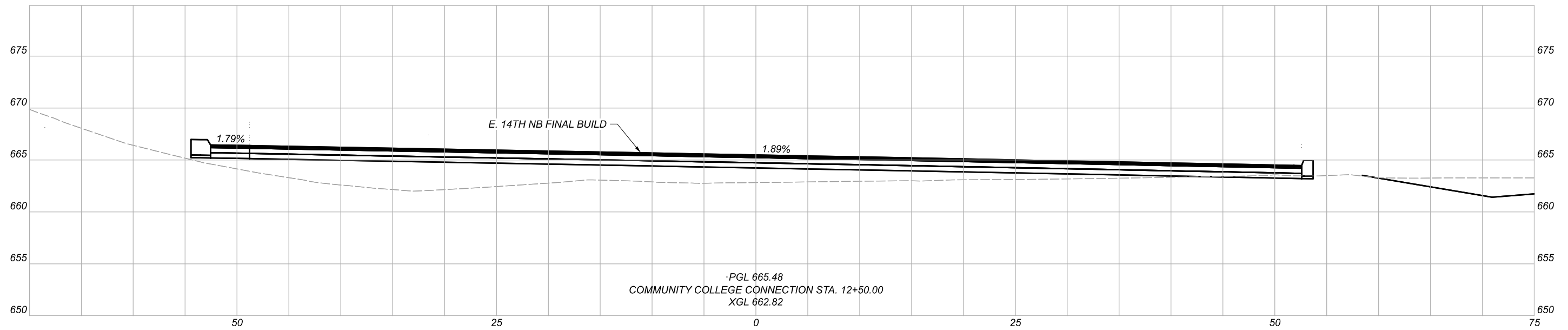
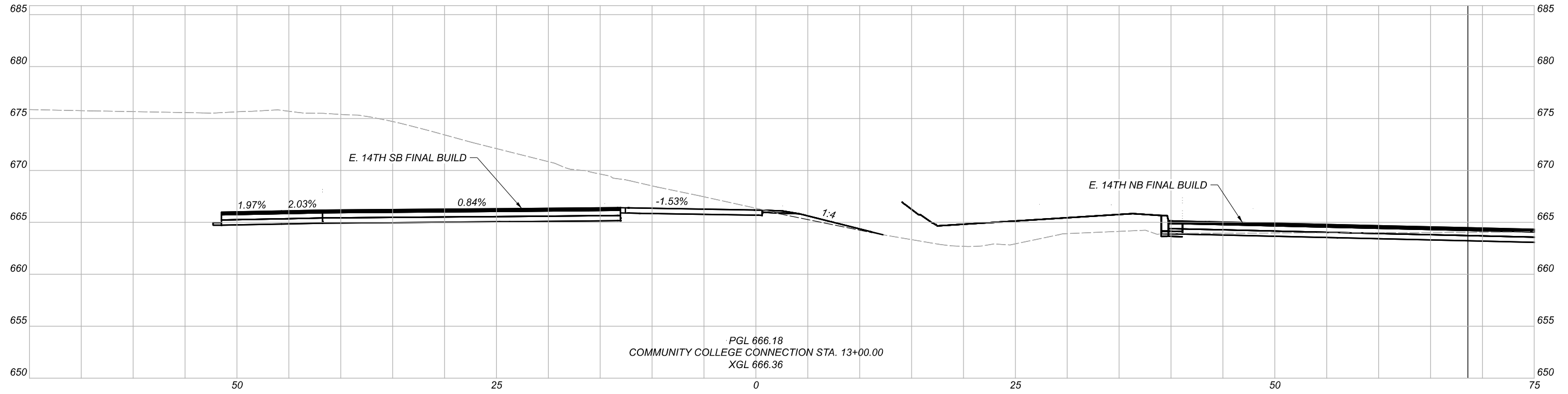
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	120	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E. 14TH ST. AND COMMUNITY COLLEGE BLVD.

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

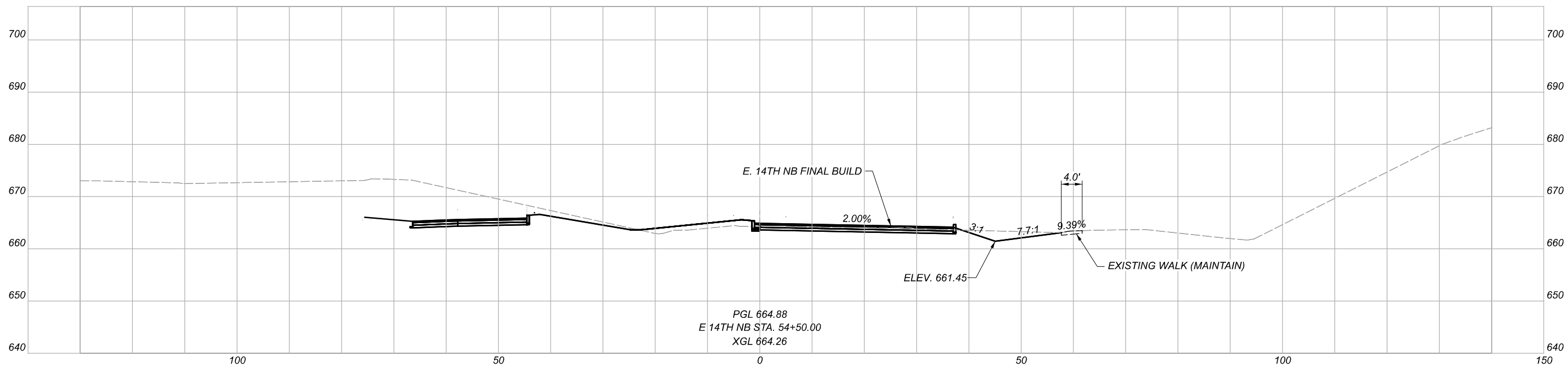
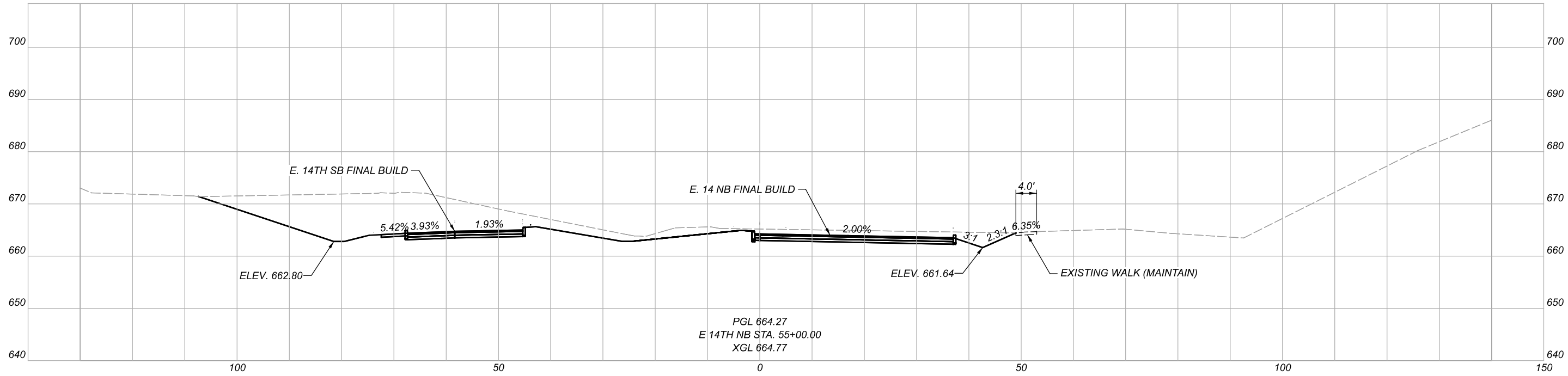
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	121	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E 14TH ST. SIDEWALK

DESIGN AGENCY

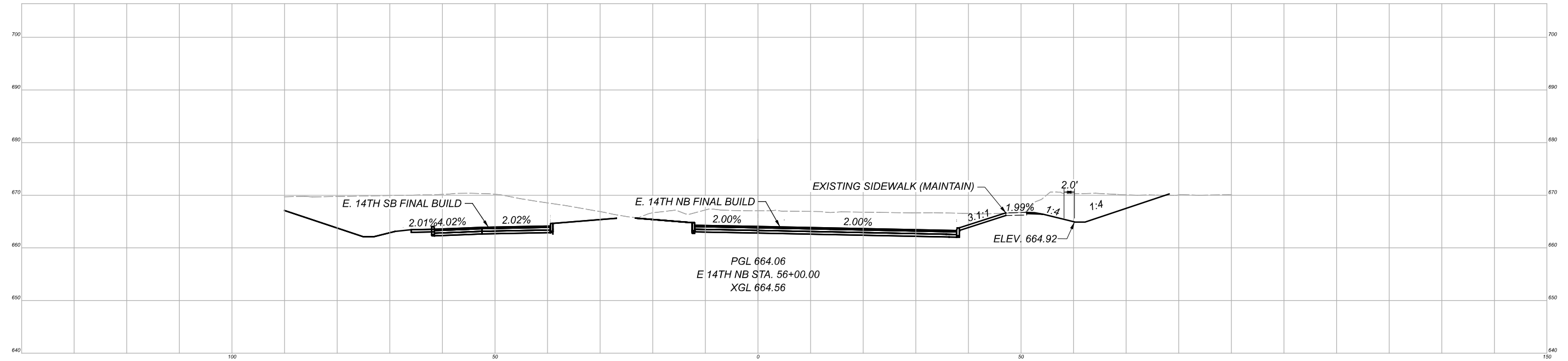
Michael Baker
 INTERNATIONAL

DESIGNER
 XXX

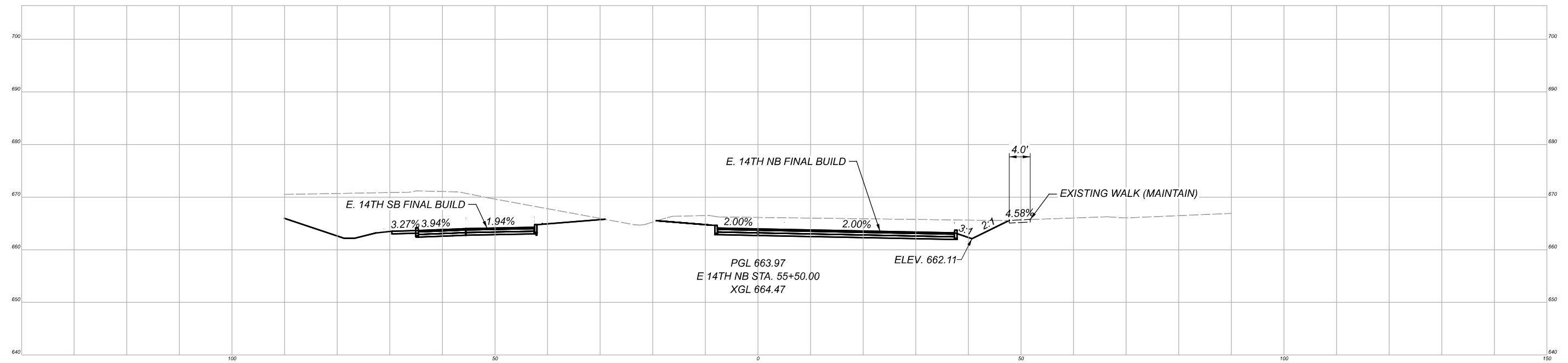
REVIEWER
 XXX MM-DD-YY

PROJECT ID
 82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	122	2339



PGL 664.06
 E 14TH NB STA. 56+00.00
 XGL 664.56



PGL 663.97
 E 14TH NB STA. 55+50.00
 XGL 664.47

MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E 14TH ST. SIDEWALK

DESIGN AGENCY

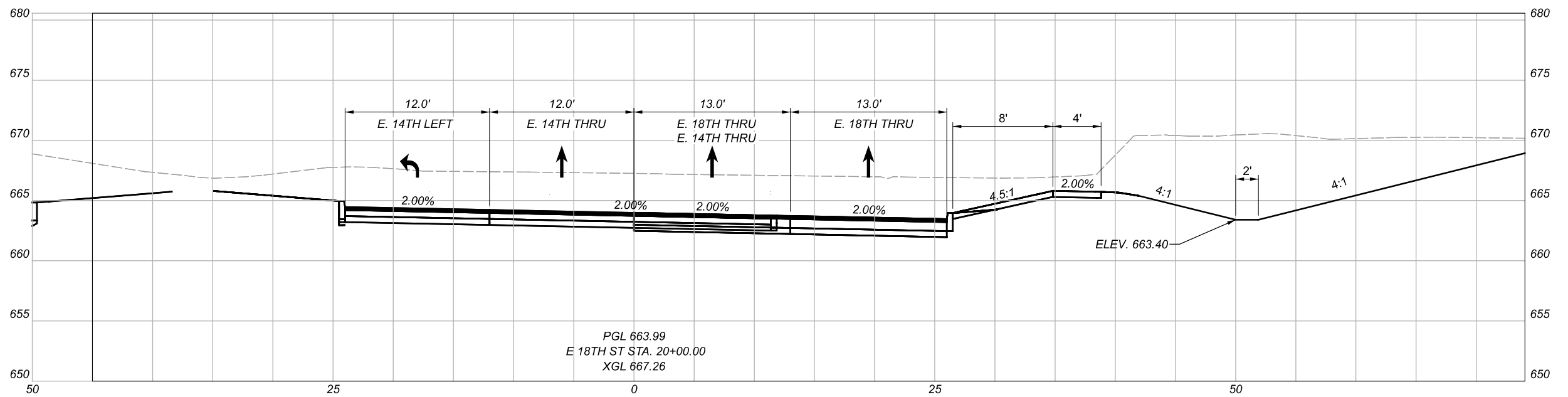
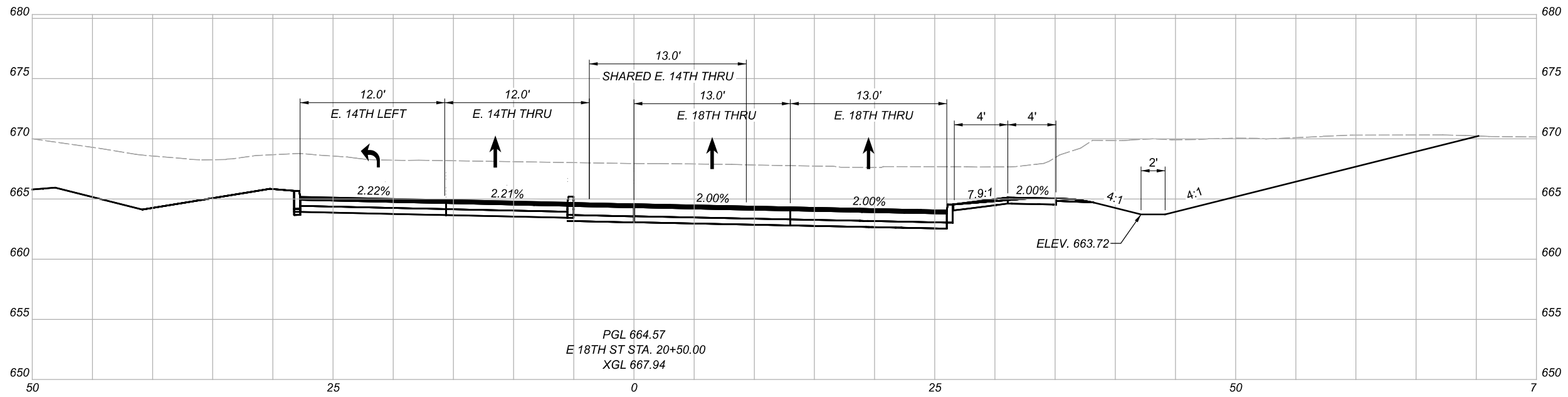
Michael Baker
 INTERNATIONAL

DESIGNER
 XXX

REVIEWER
 XXX MM-DD-YY

PROJECT ID
 82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	123	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E. 18TH ST SIDEWALK

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

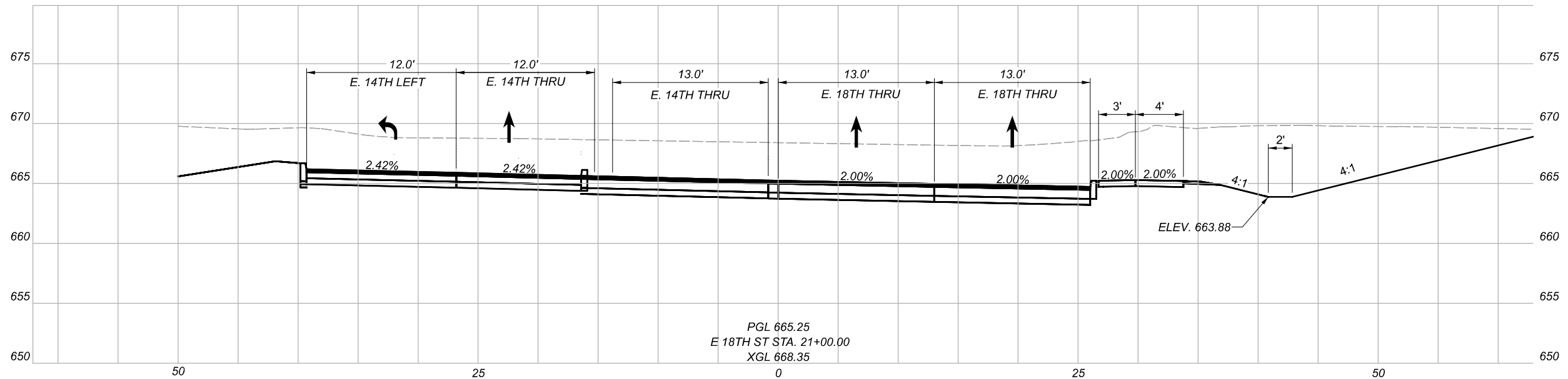
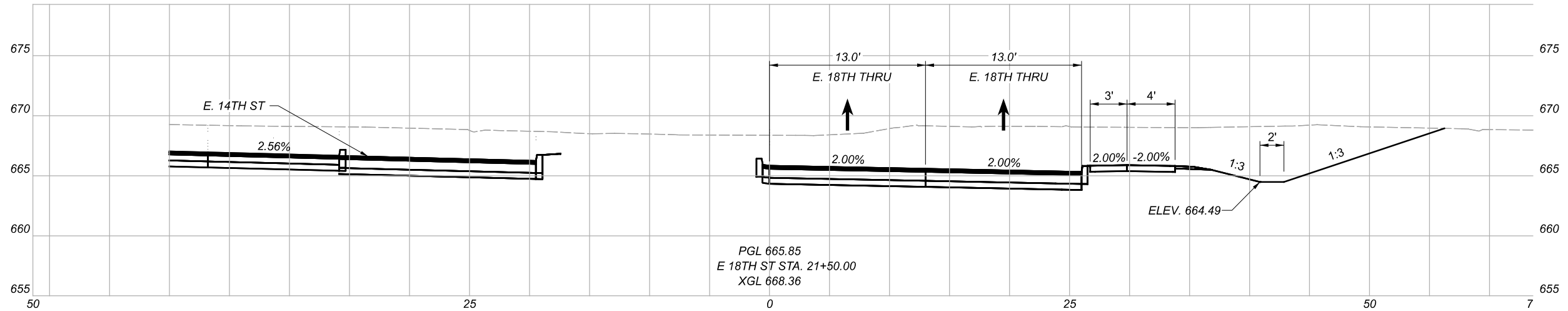
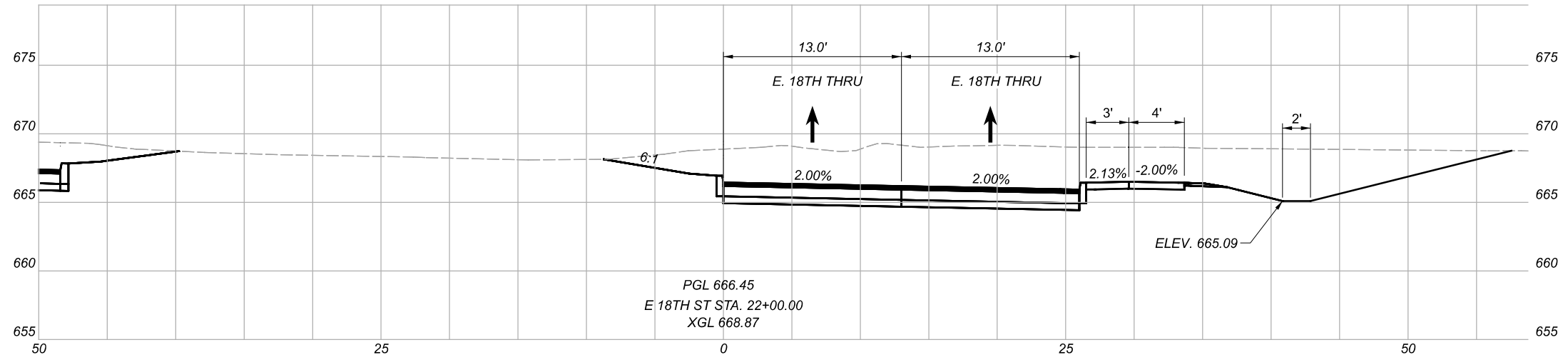
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	124	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E. 18TH ST SIDEWALK

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

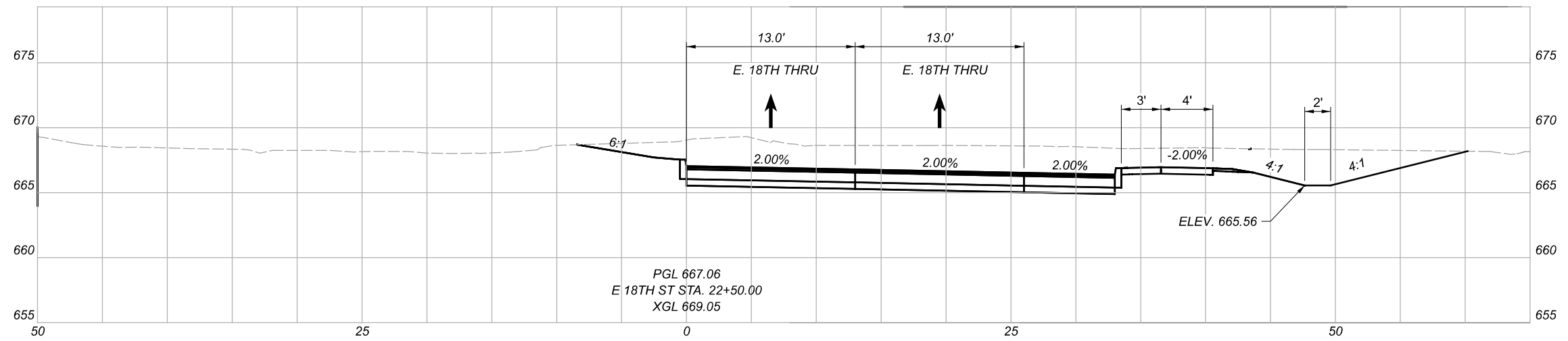
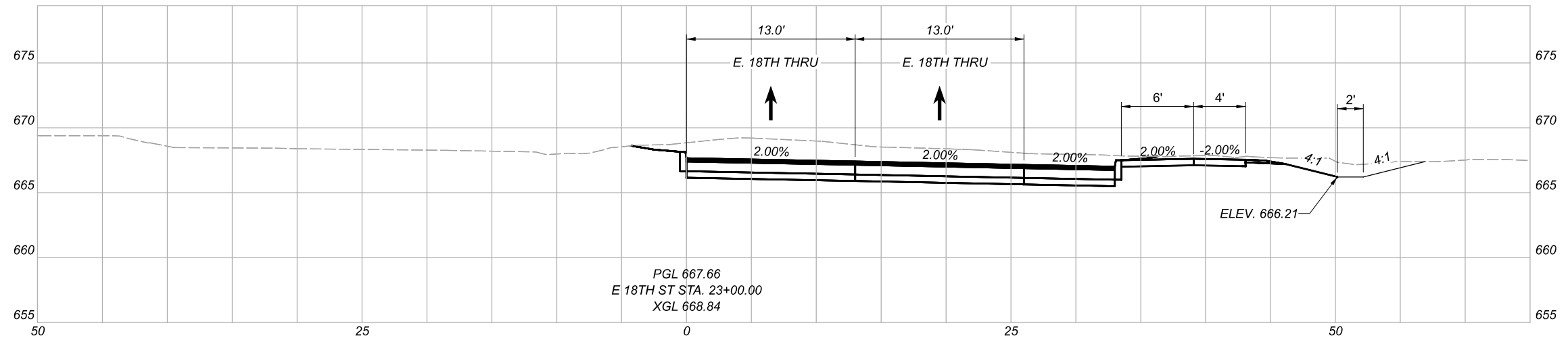
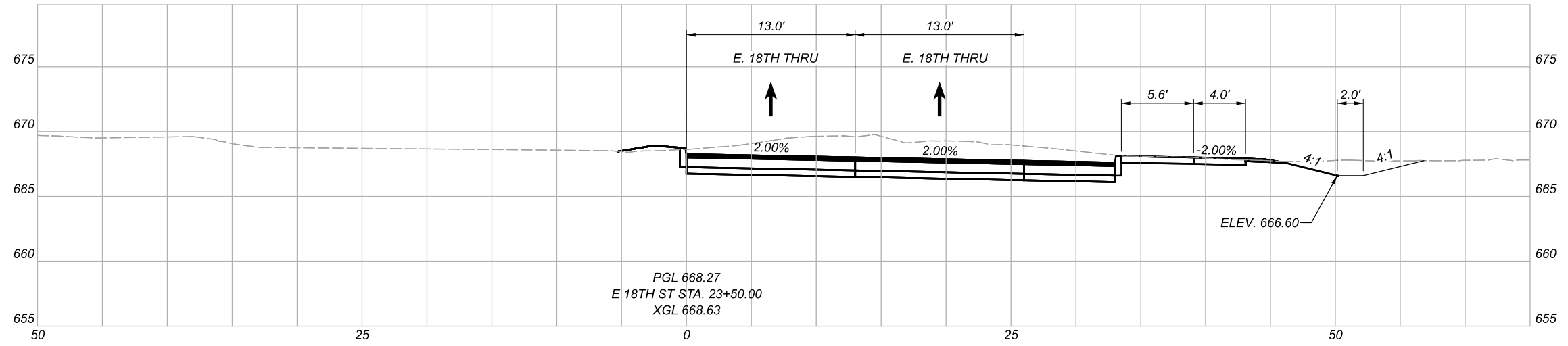
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	125	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E. 18TH ST SIDEWALK

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

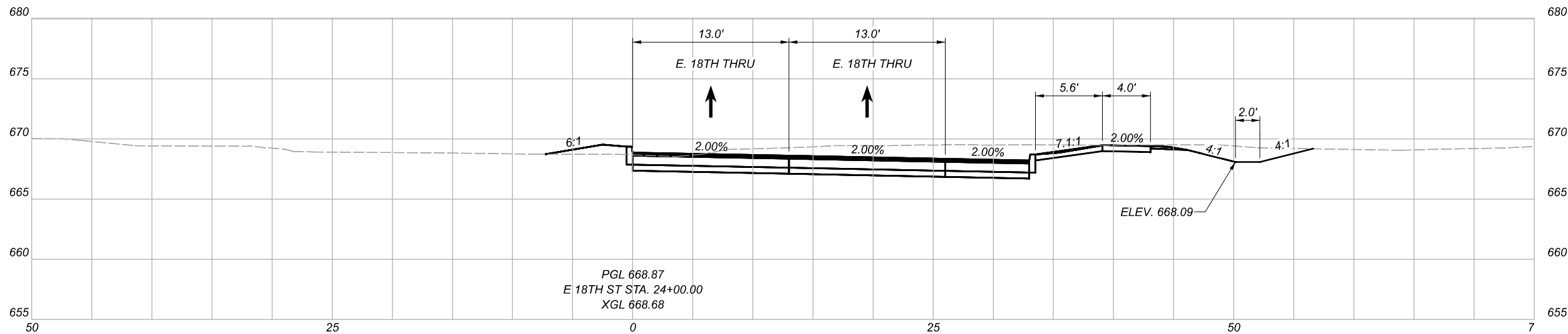
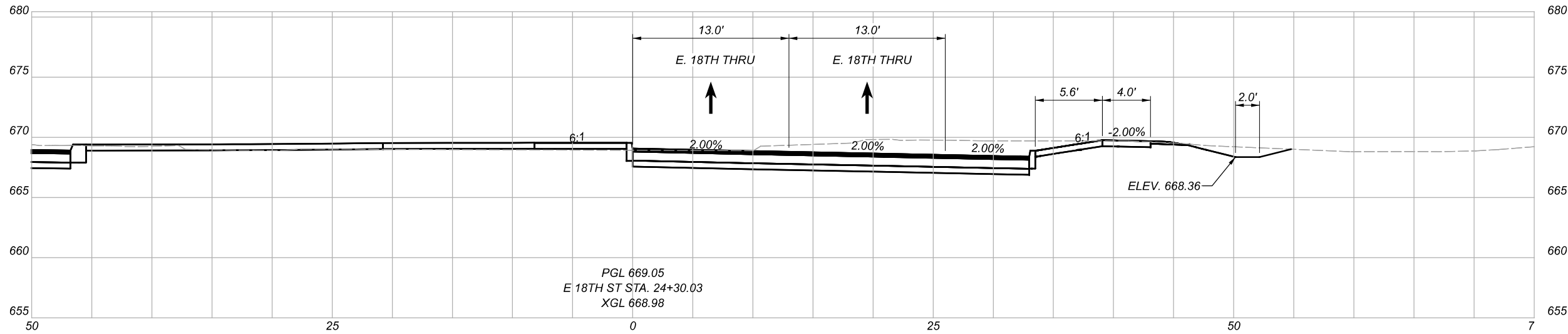
DESIGNER

REVIEWER

PROJECT ID

82382

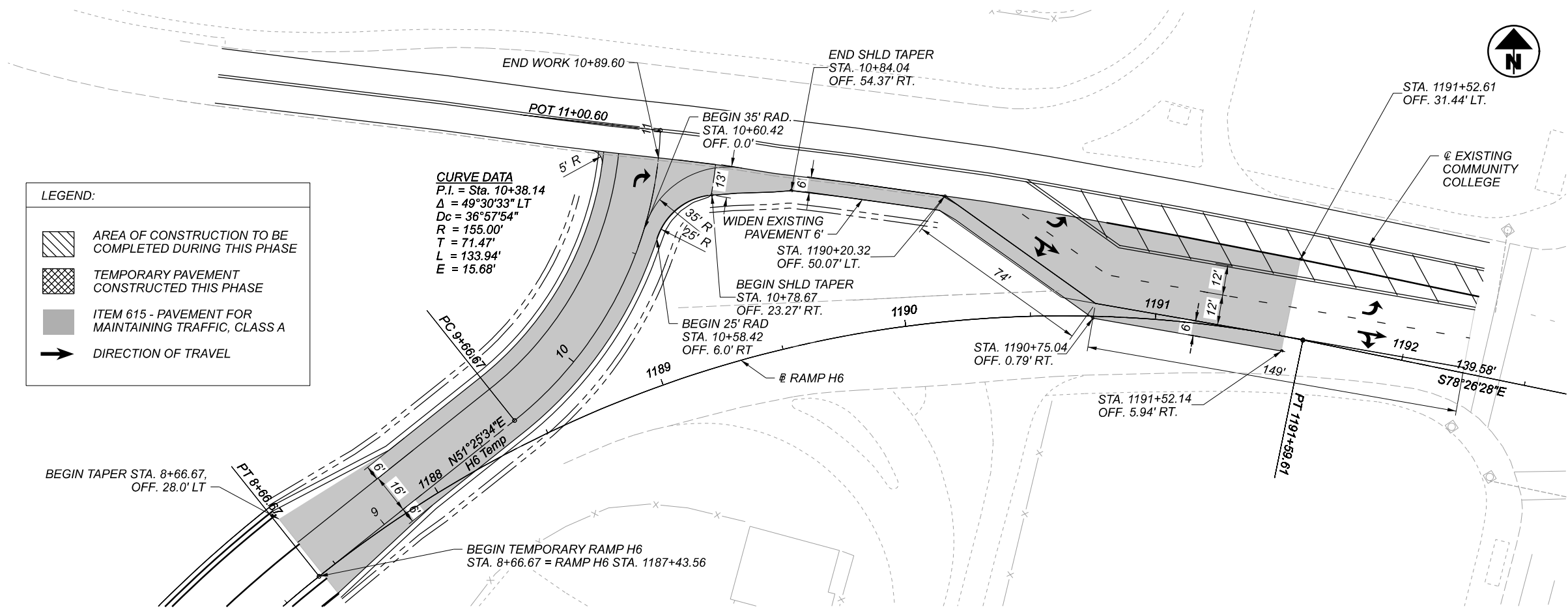
Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	126	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - E. 18TH ST SIDEWALK

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	
PROJECT ID	82382

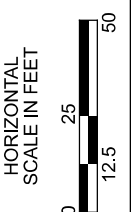
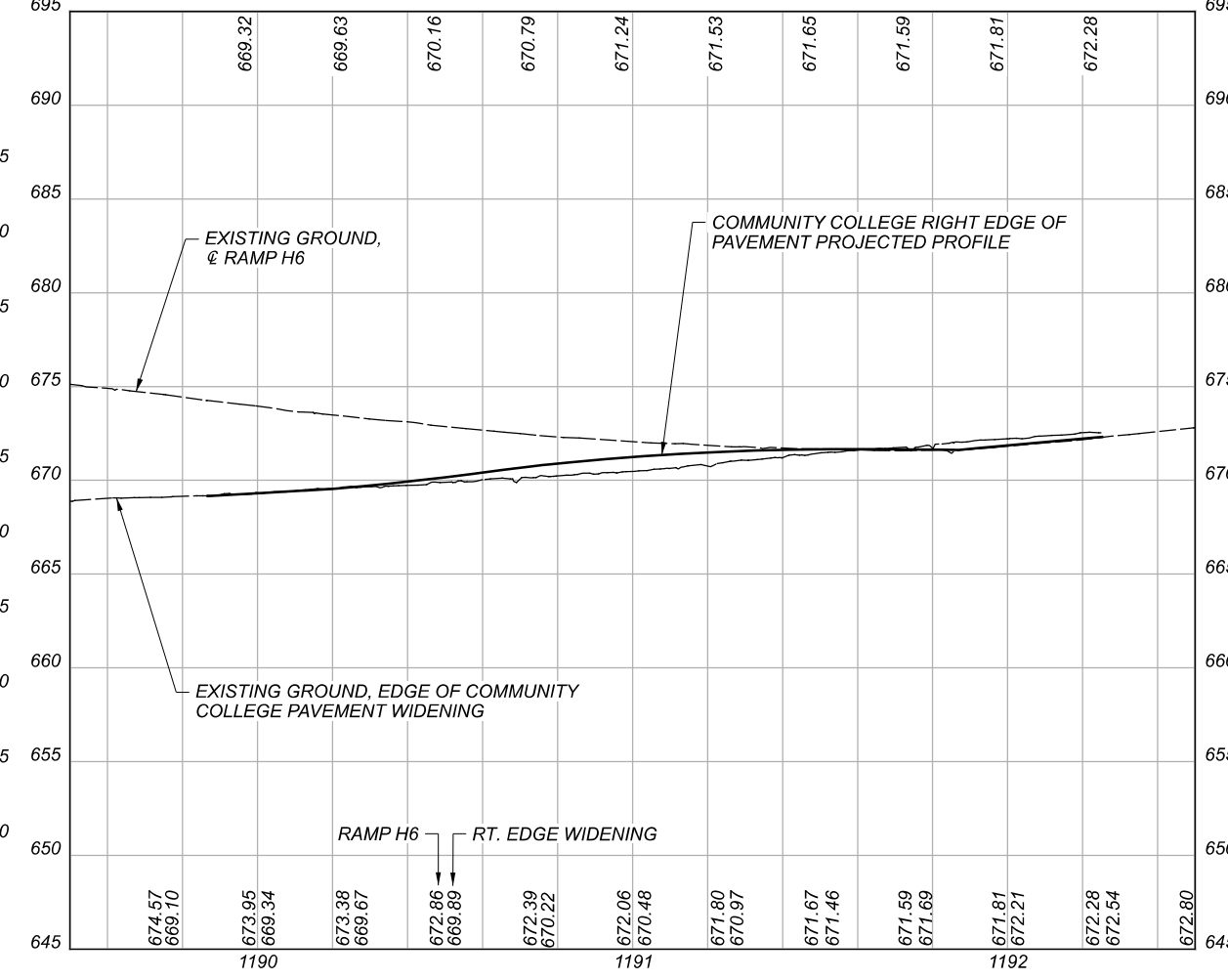
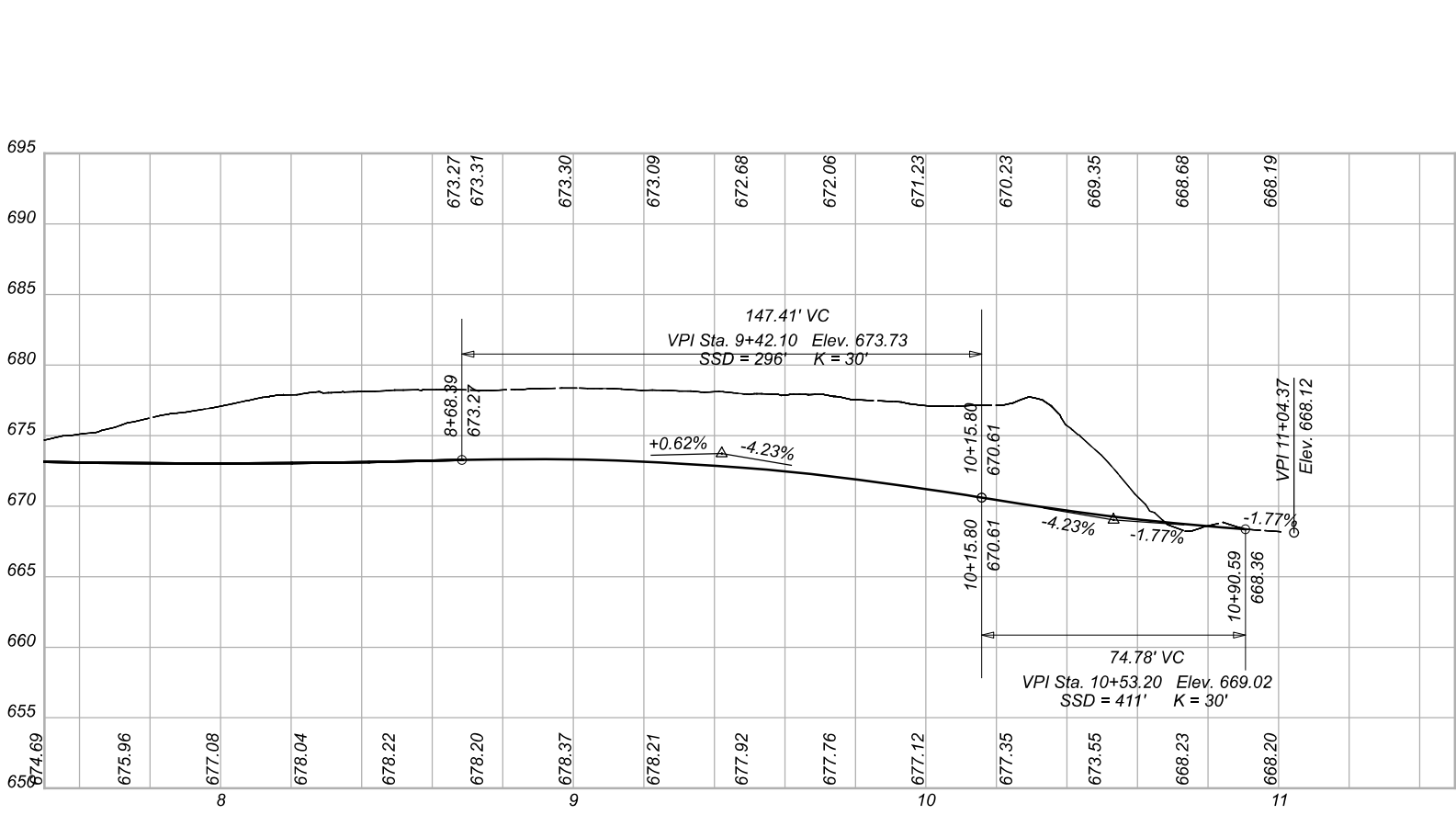
Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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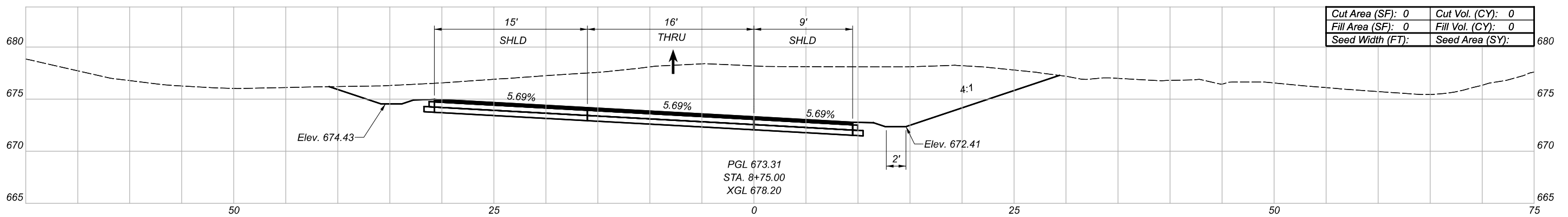
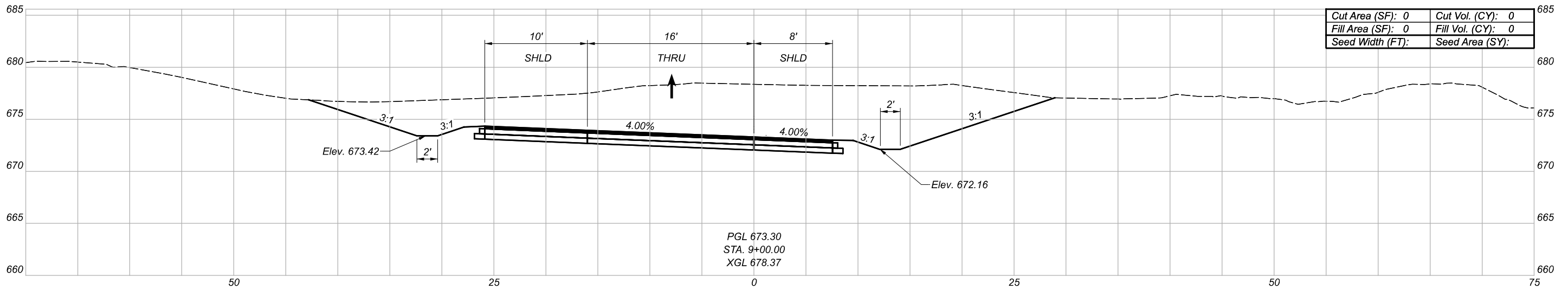
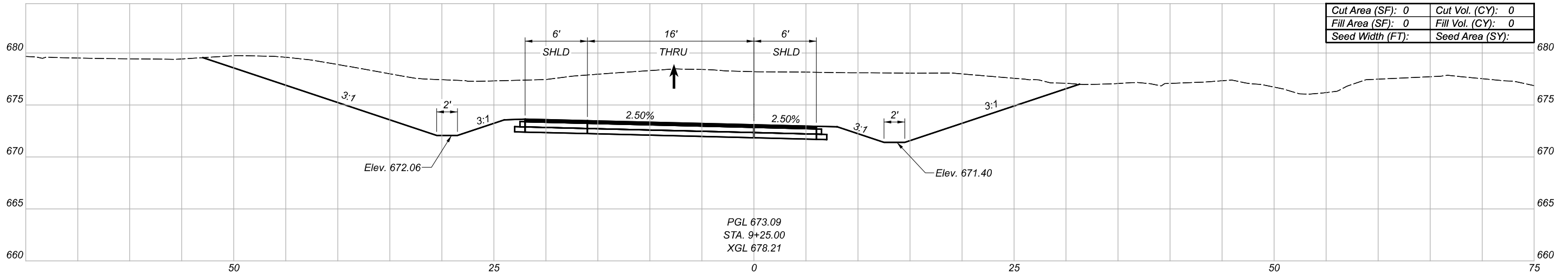
- AREA OF CONSTRUCTION TO BE COMPLETED DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- DIRECTION OF TRAVEL

CURVE DATA
 P.I. = Sta. 10+38.14
 $\Delta = 49^\circ 30' 33''$ LT
 $D_c = 36^\circ 57' 54''$
 $R = 155.00'$
 $T = 71.47'$
 $L = 133.94'$
 $E = 15.68'$



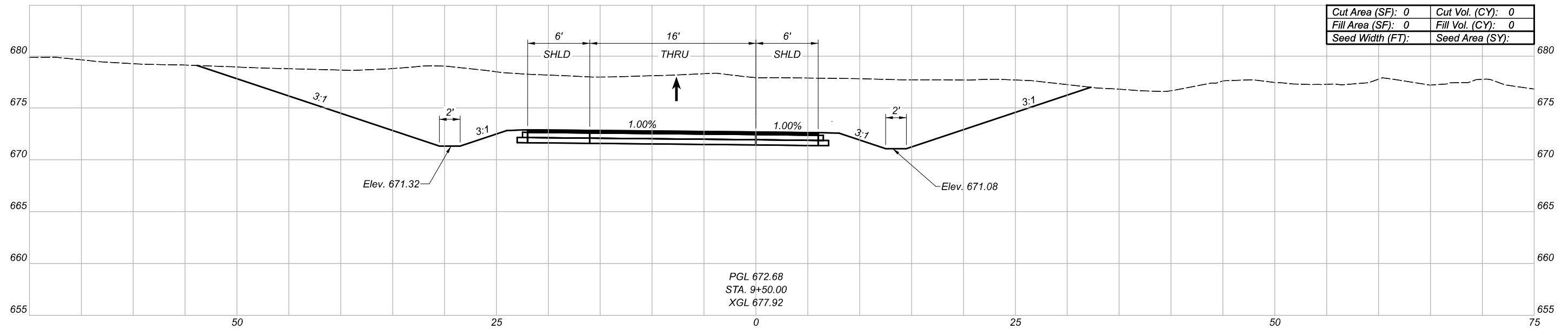
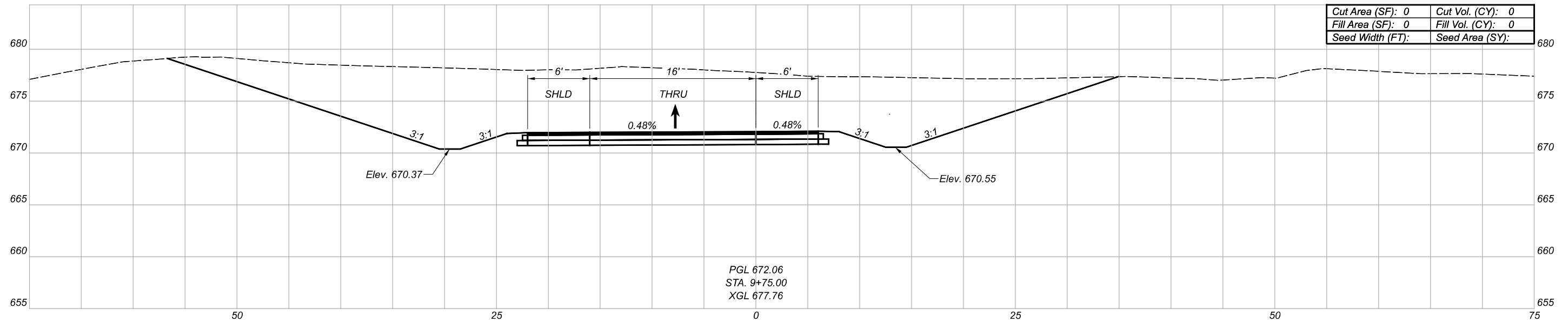
**MAINTENANCE OF TRAFFIC - PHASE 2
 PLAN AND PROFILE - RAMP H6 TEMPORARY PAVEMENT**

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	XXX
PROJECT ID	82382
SHEET	128
TOTAL	2339

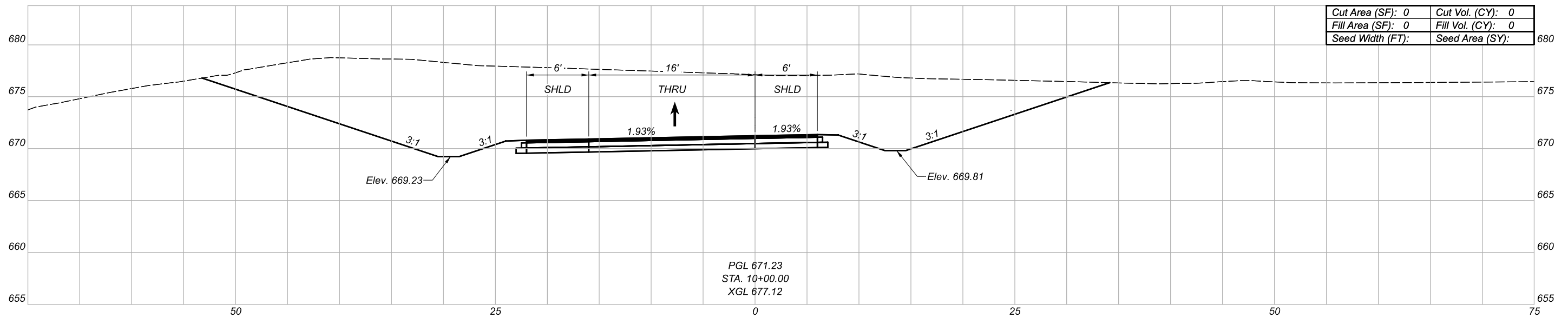
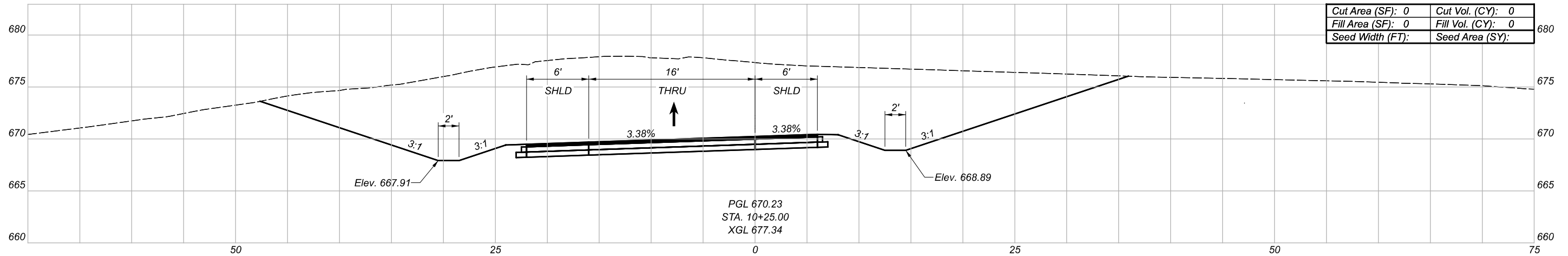
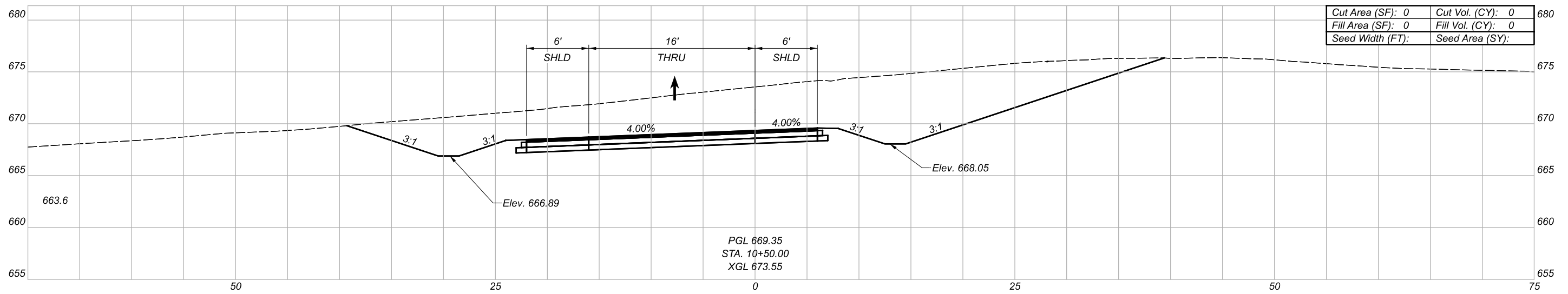


BEGIN TEMPORARY RAMP H6 WORK STA. 8+66.67

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	129	2339
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Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	130	2339
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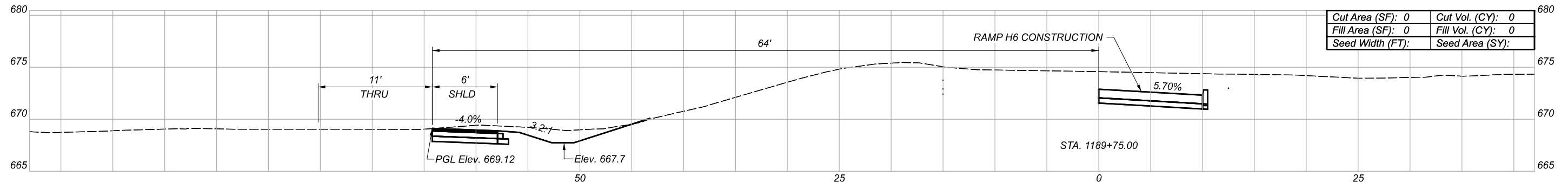
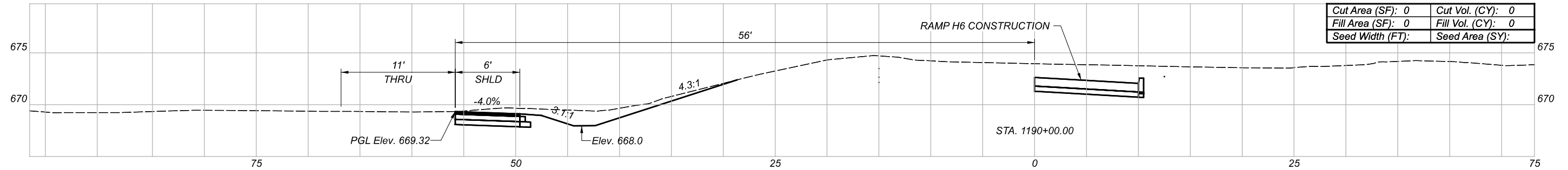
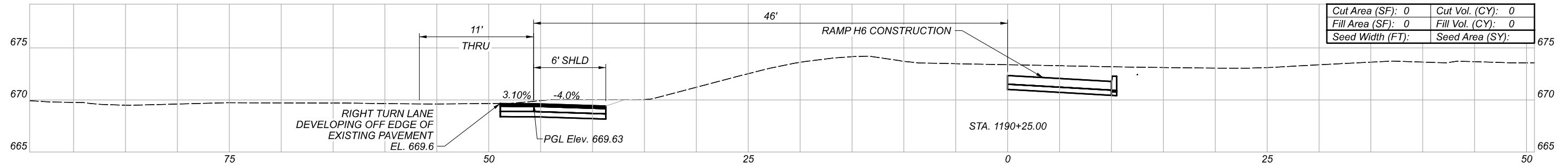


Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	131	2339
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MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - RAMP H6 TEMPORARY PAVEMENT

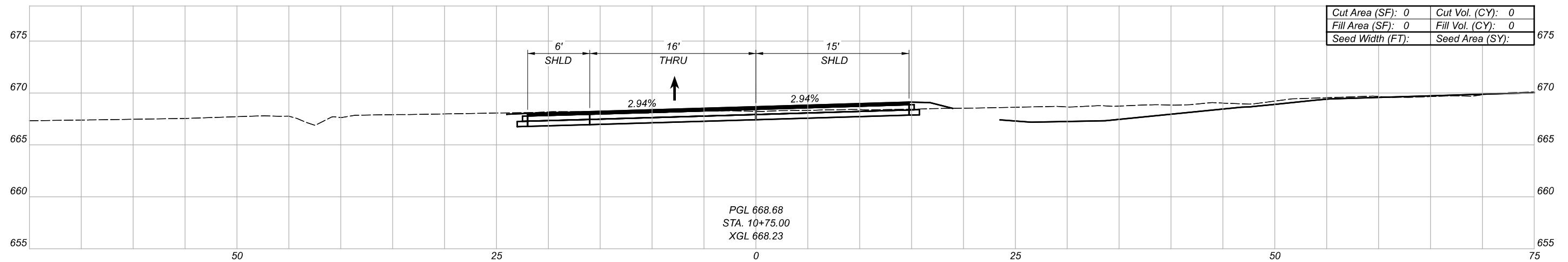
DESIGN AGENCY	
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382

Michael Baker INTERNATIONAL



BEGIN WIDENING WORK STA. 1189+66.12

END TEMPORARY RAMP H6 WORK STA. 10+89.60



PGL 668.68
 STA. 10+75.00
 XGL 668.23

MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - RAMP H6 TEMPORARY PAVEMENT

DESIGN AGENCY

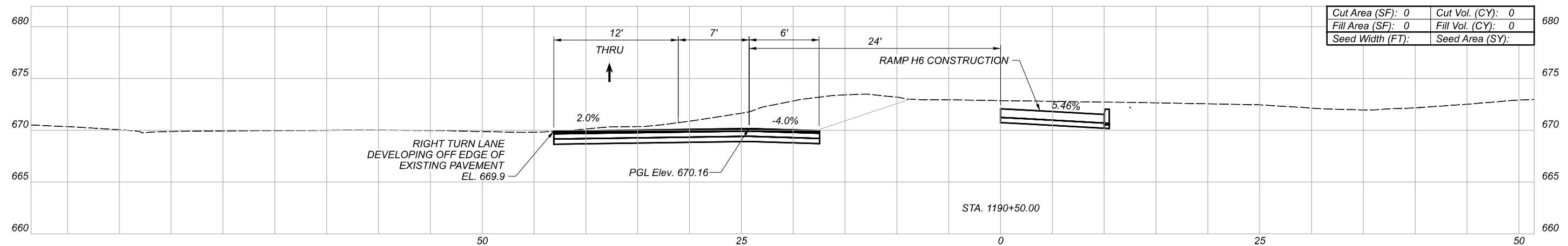
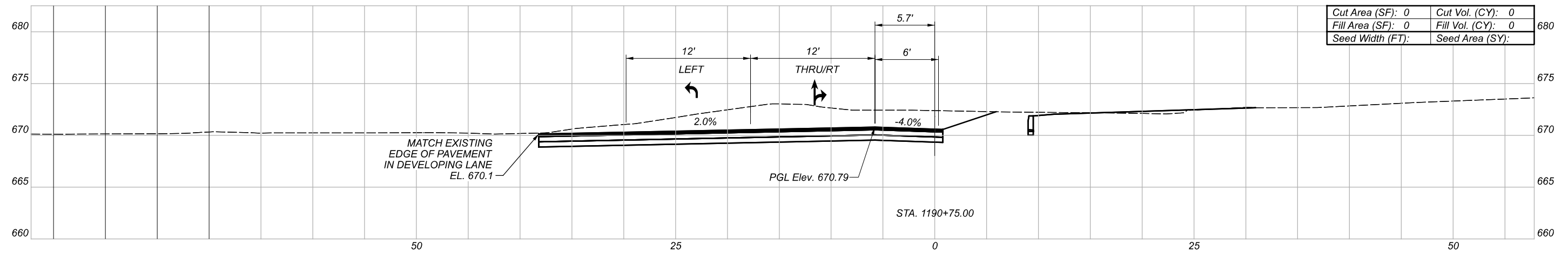
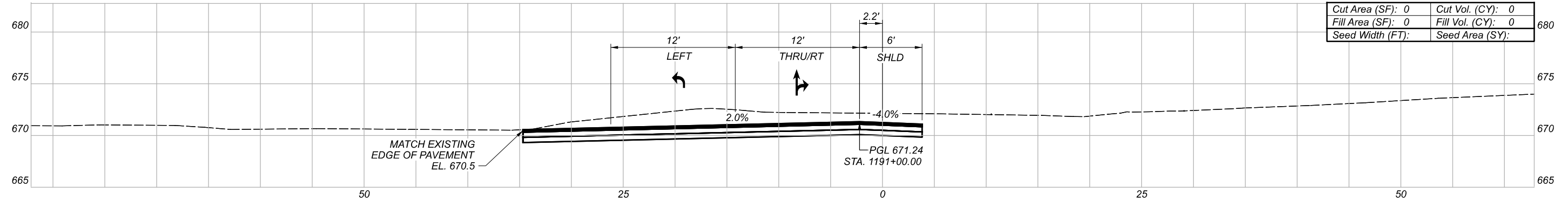
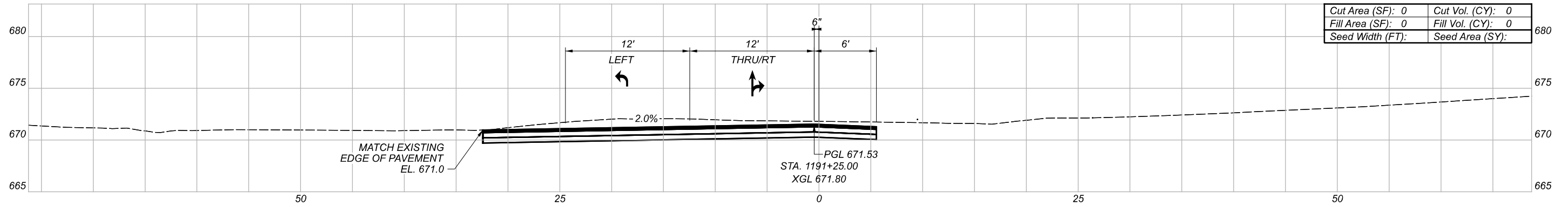
Michael Baker
 INTERNATIONAL

DESIGNER
 XXX

REVIEWER
 XXX MM-DD-YY

PROJECT ID
 82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	132	2339



MAINTENANCE OF TRAFFIC - PHASE 2
 CROSS SECTIONS - COMMUNITY COLLEGE AVE. WIDENING

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

XXX

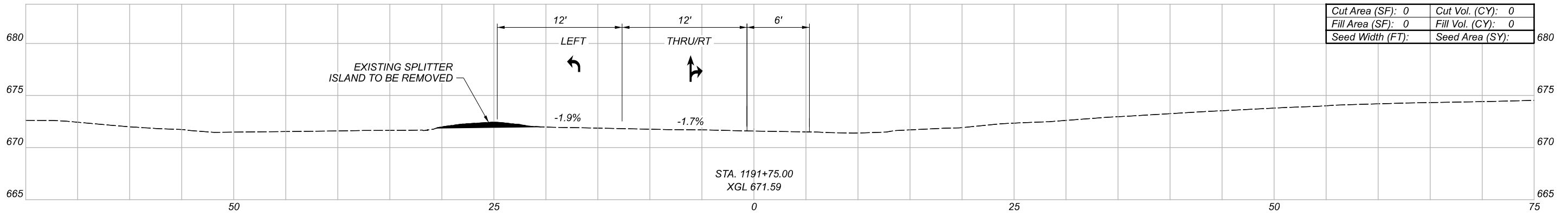
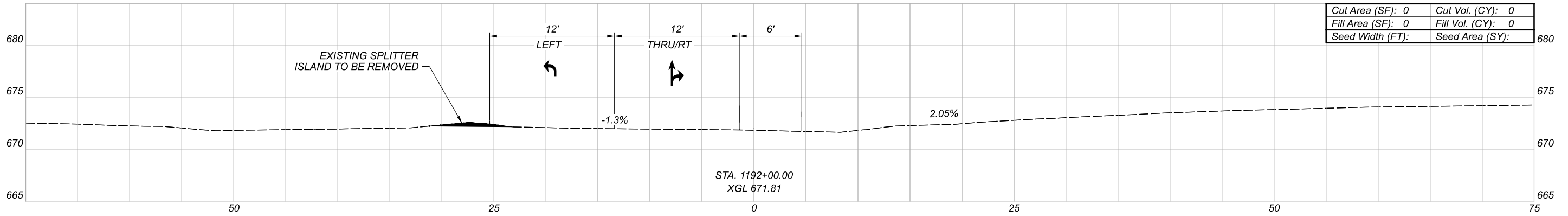
REVIEWER

XXX MM-DD-YY

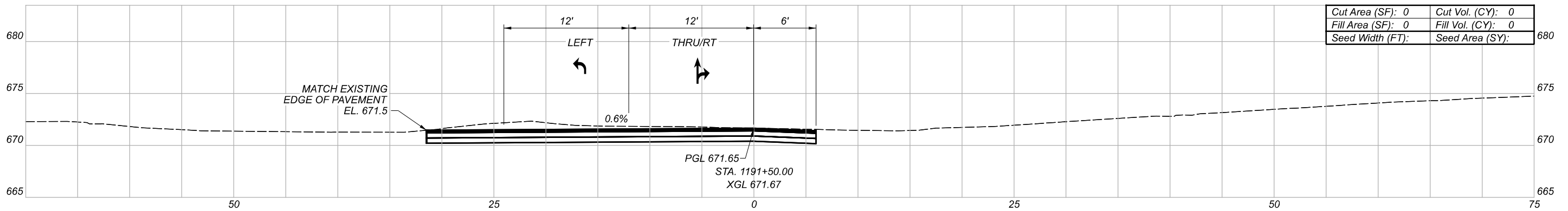
PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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END WIDENING WORK STA. 1191+52.14



Sheet Totals		
Seeding	Cut	Fill
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SHEET	TOTAL
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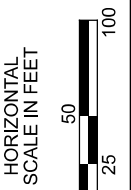
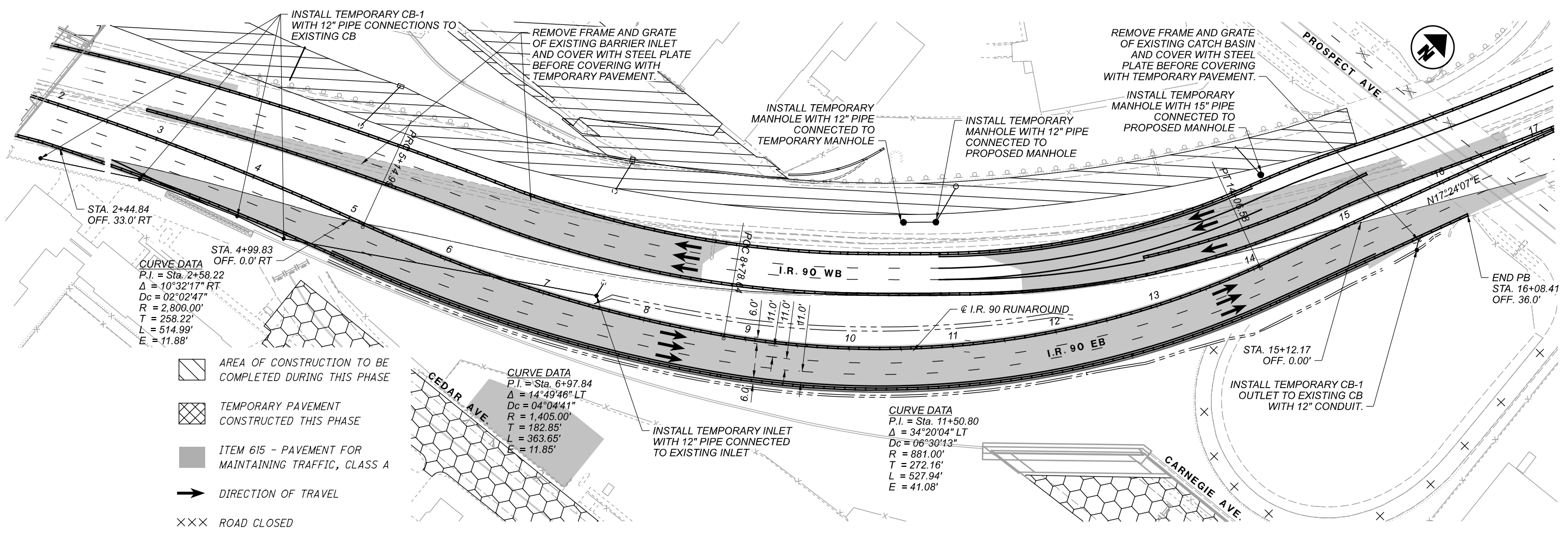
DESIGN AGENCY

Michael Baker
INTERNATIONAL

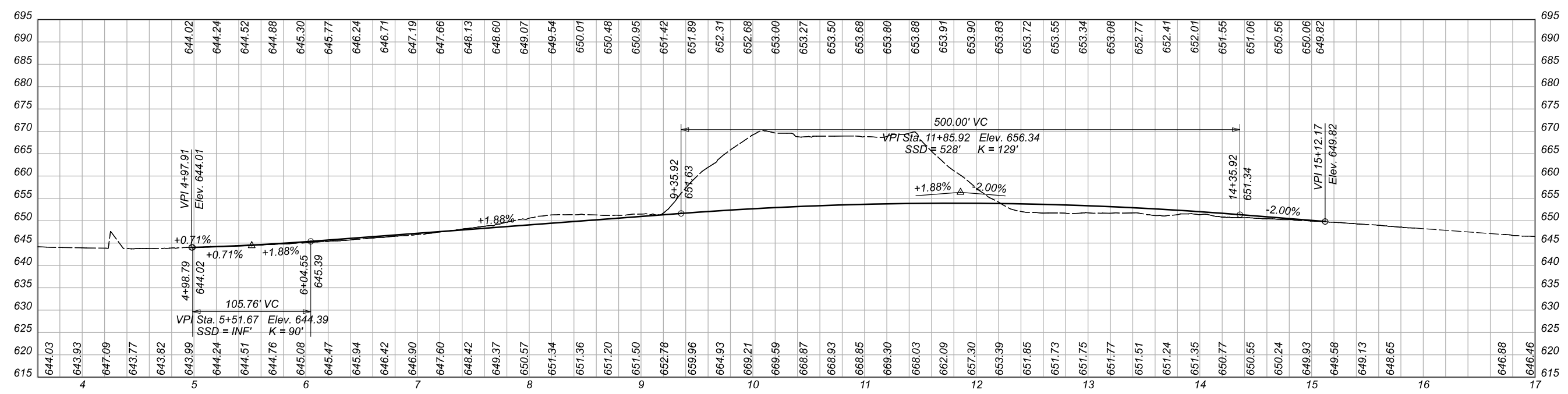
DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

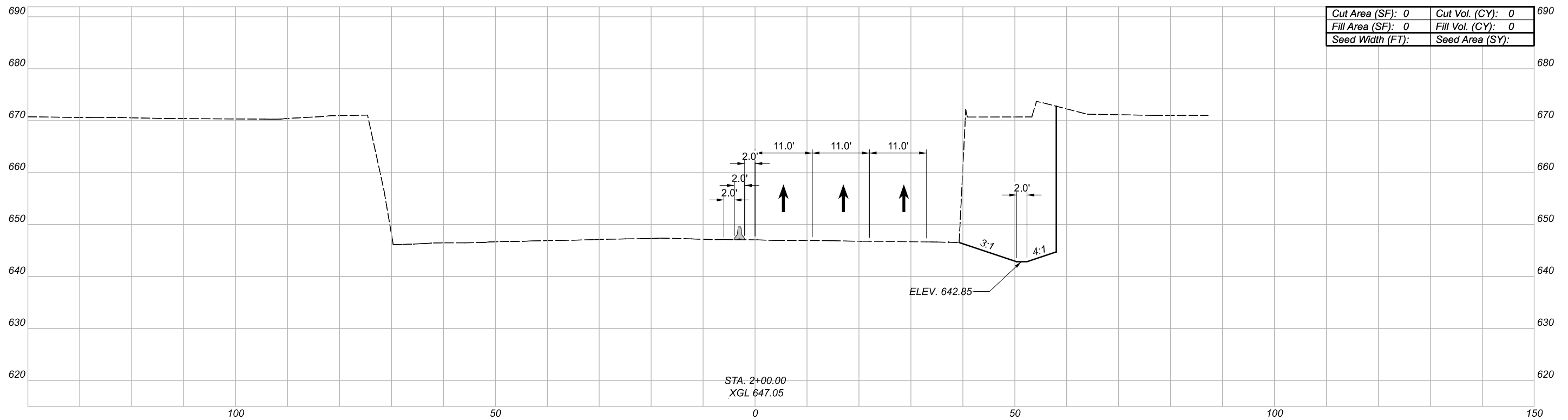
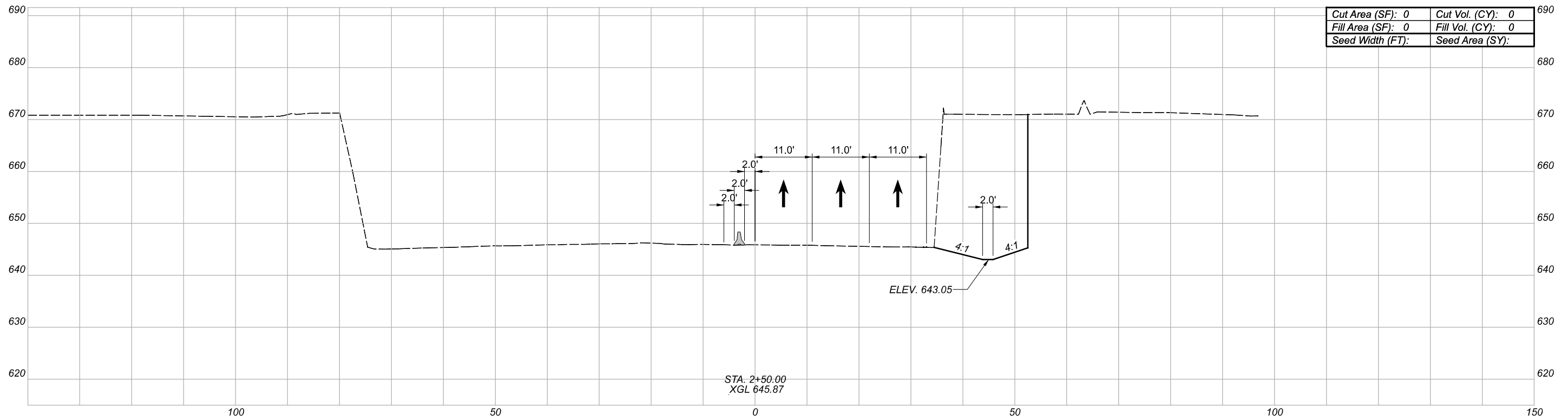
PROJECT ID
82382



**MAINTENANCE OF TRAFFIC - PHASE 4
 PLAN & PROFILE - I.R. 90 EASTBOUND TEMPORARY RUNAROUND**

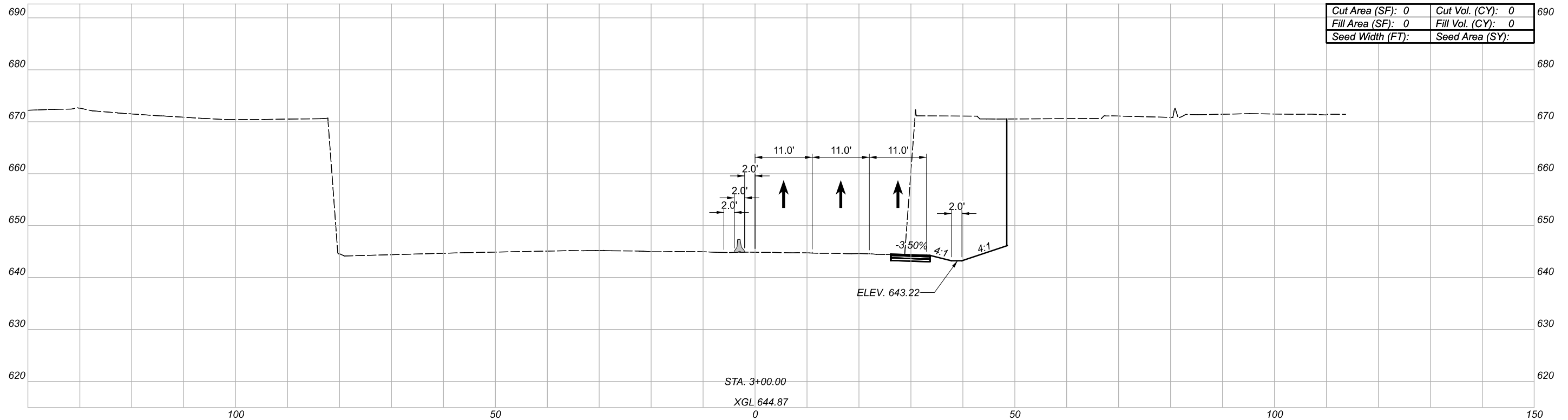
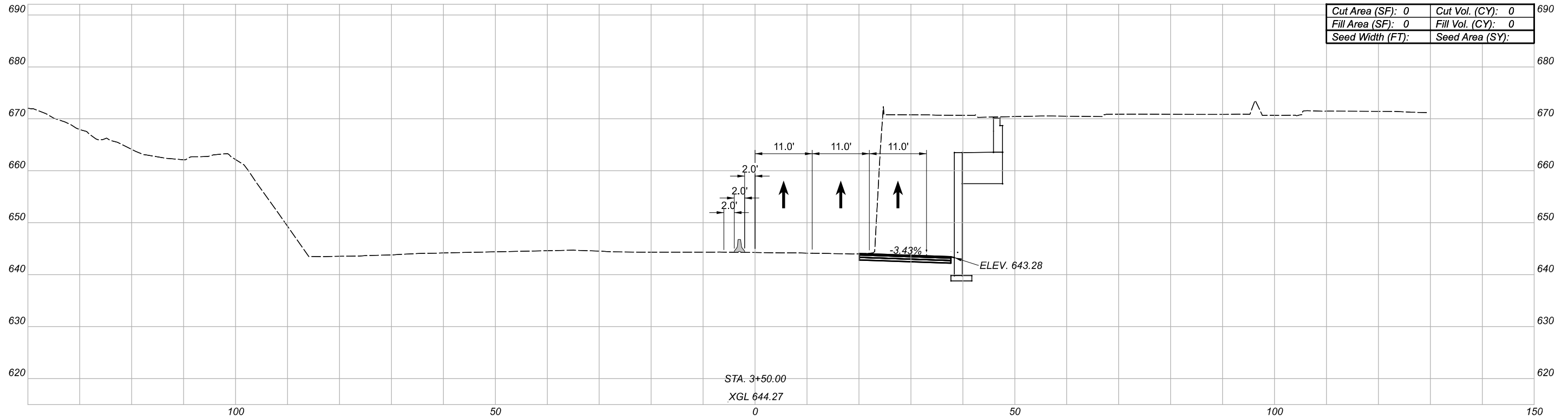


DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	135
TOTAL	2339



STA. 2+44.84 START TEMPORARY ROAD

Sheet Totals			82382	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	136	2339



MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY

Michael Baker
INTERNATIONAL

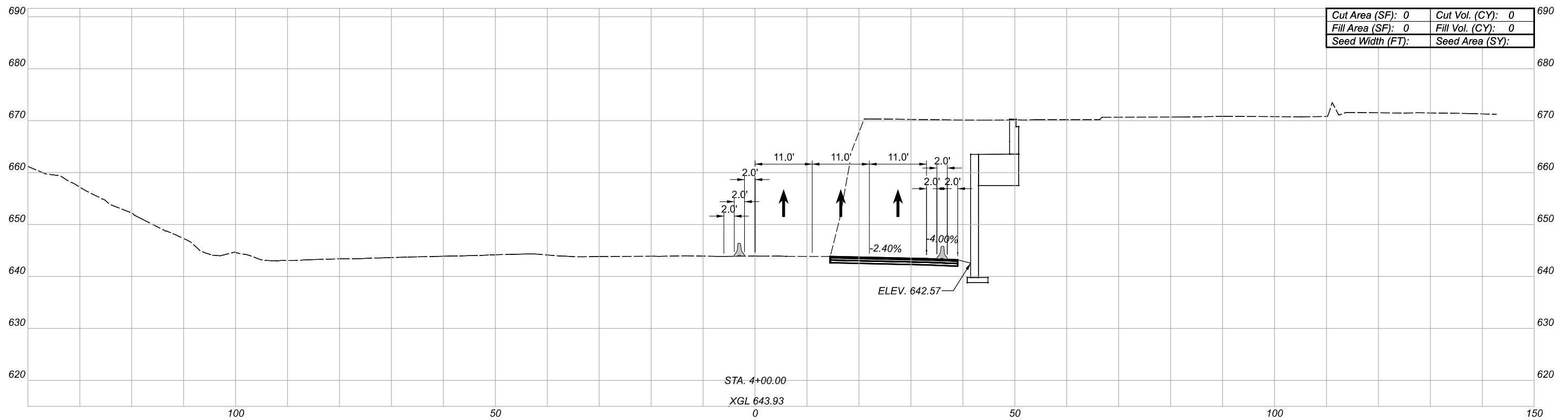
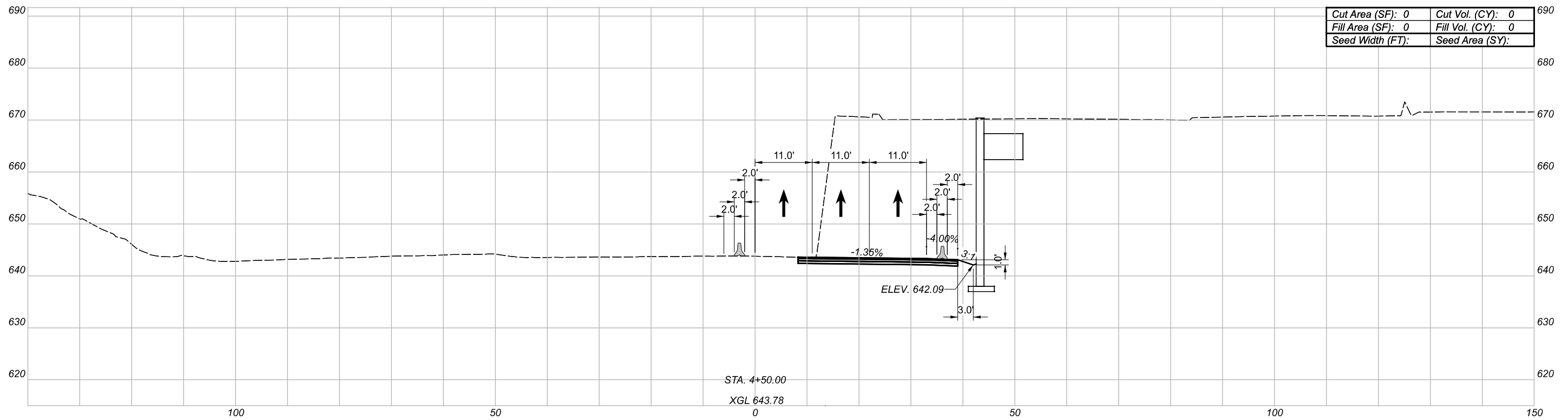
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY

Michael Baker
INTERNATIONAL

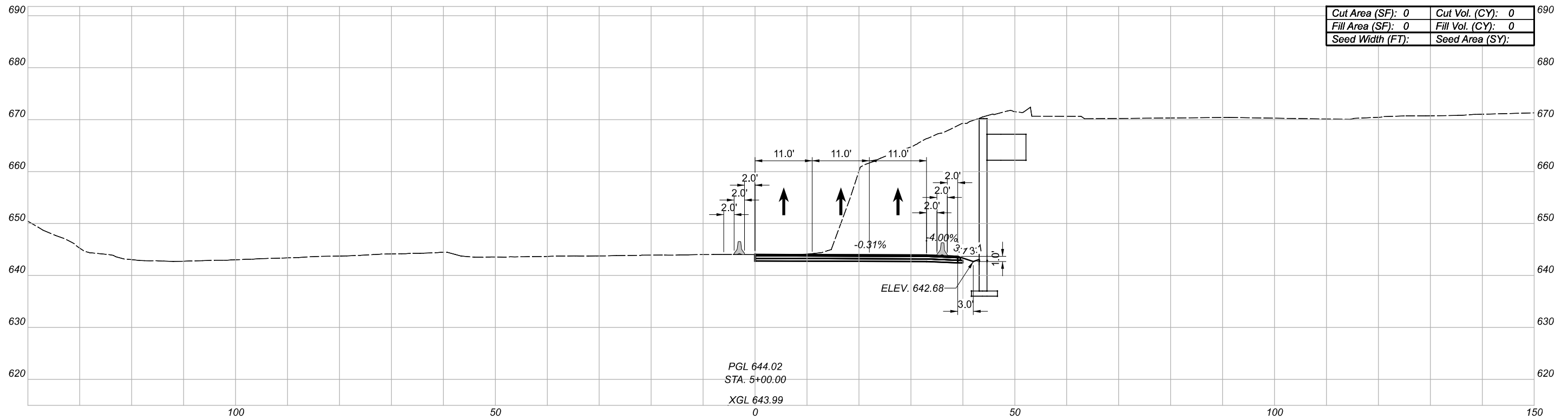
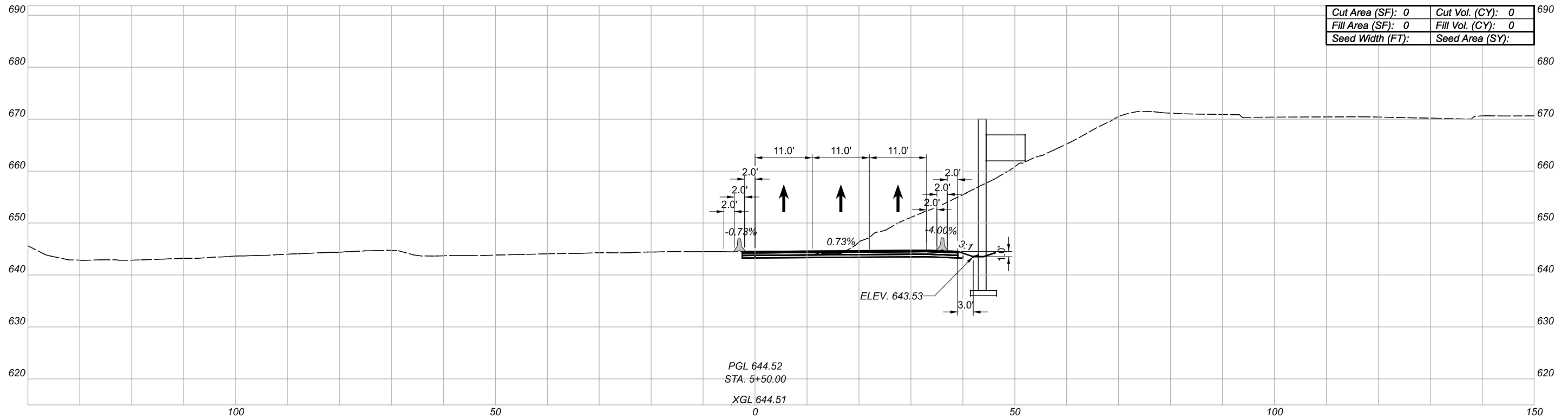
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

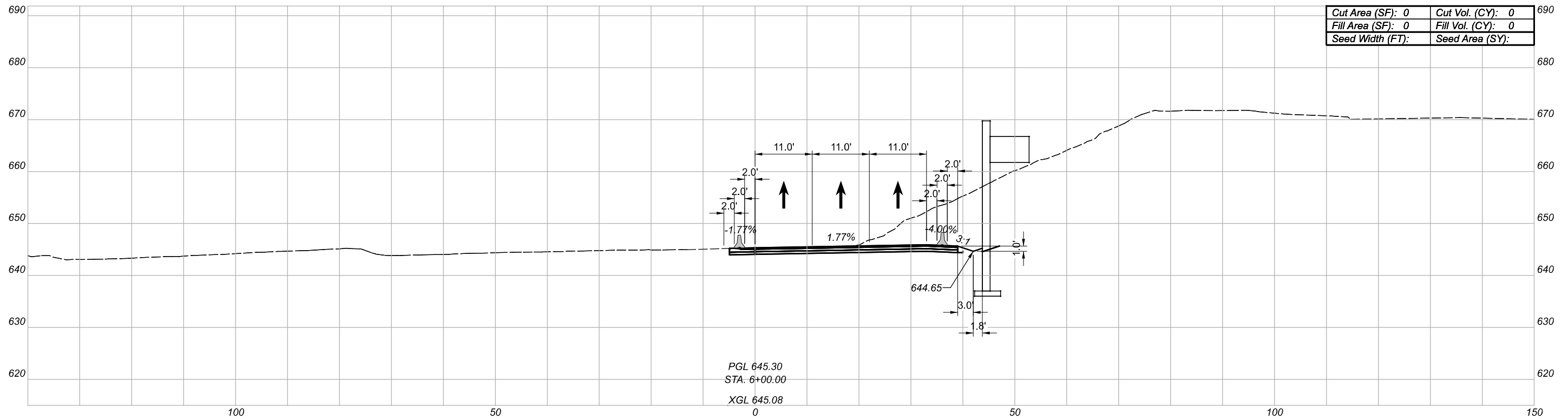
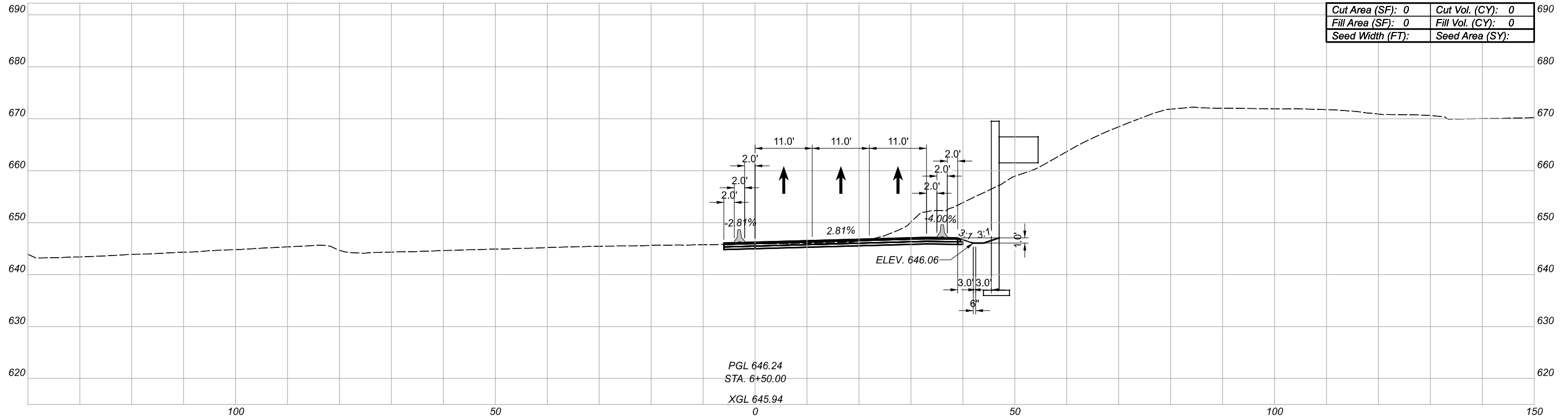
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
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DESIGN AGENCY

Michael Baker
 INTERNATIONAL

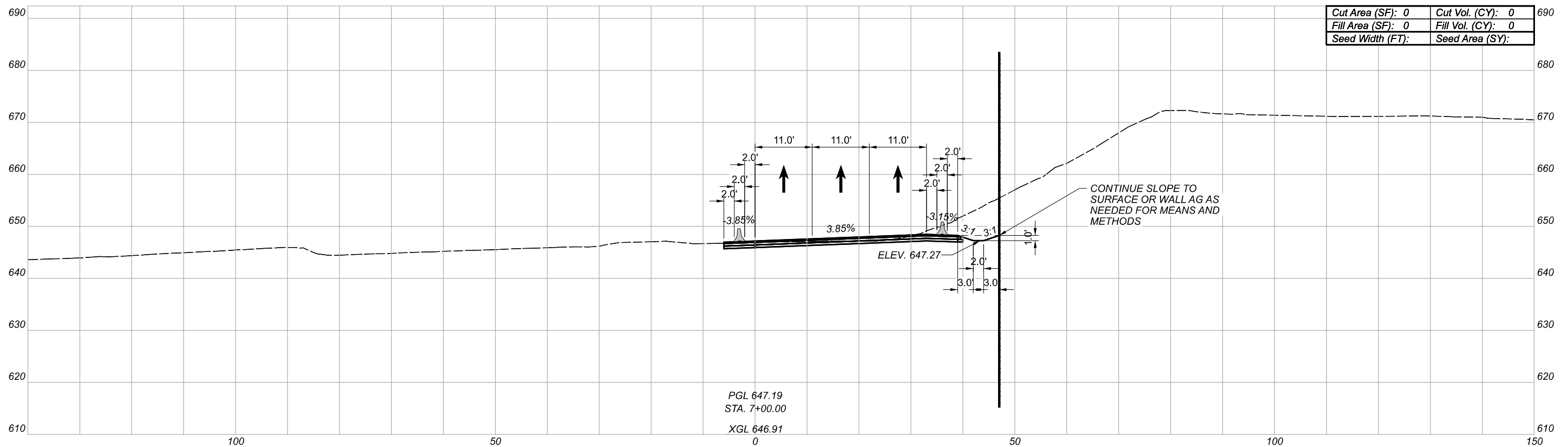
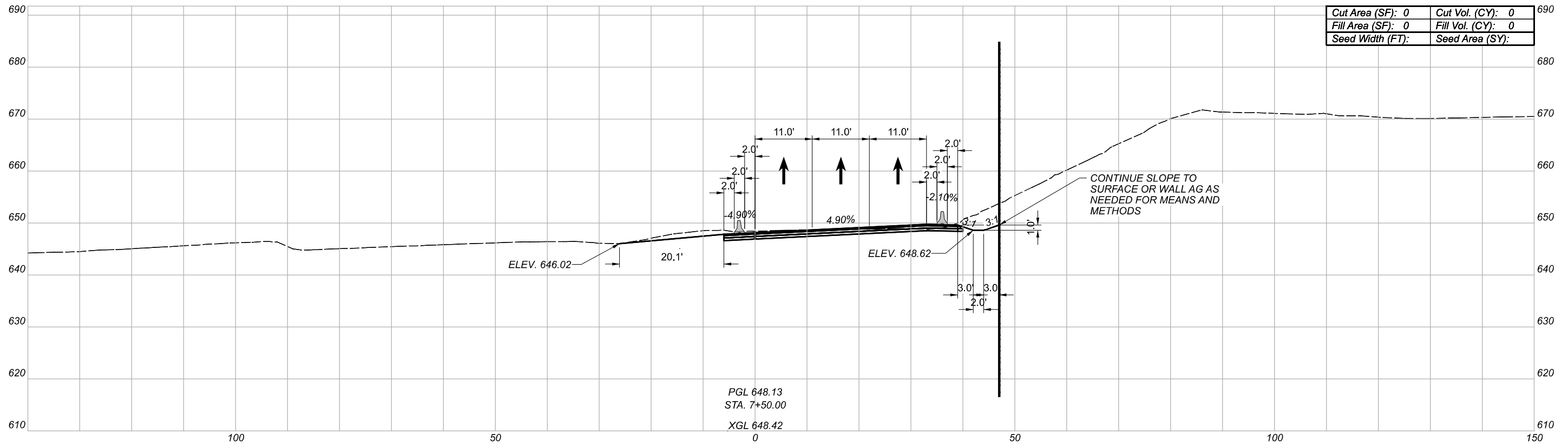
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY

Michael Baker
INTERNATIONAL

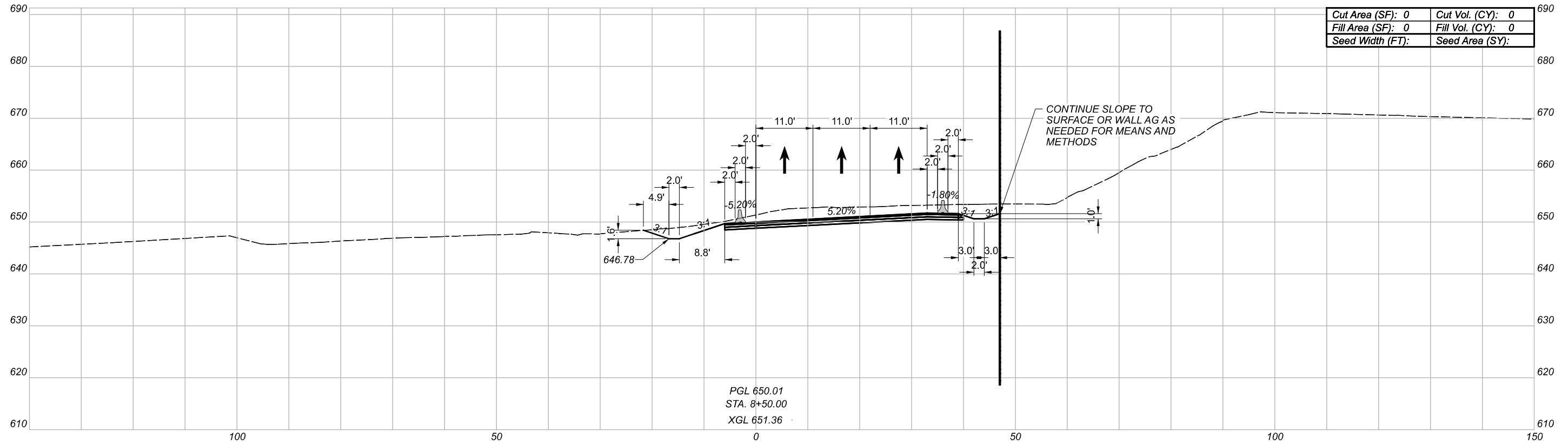
DESIGNER

REVIEWER

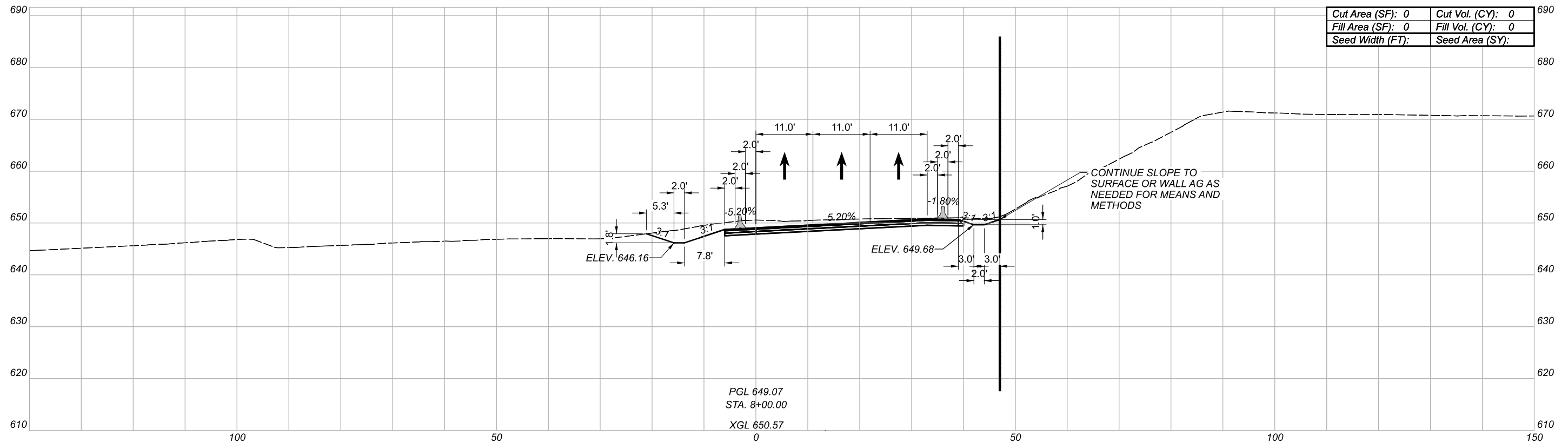
PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	141	2339



PGL 650.01
 STA. 8+50.00
 XGL 651.36



PGL 649.07
 STA. 8+00.00
 XGL 650.57

MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

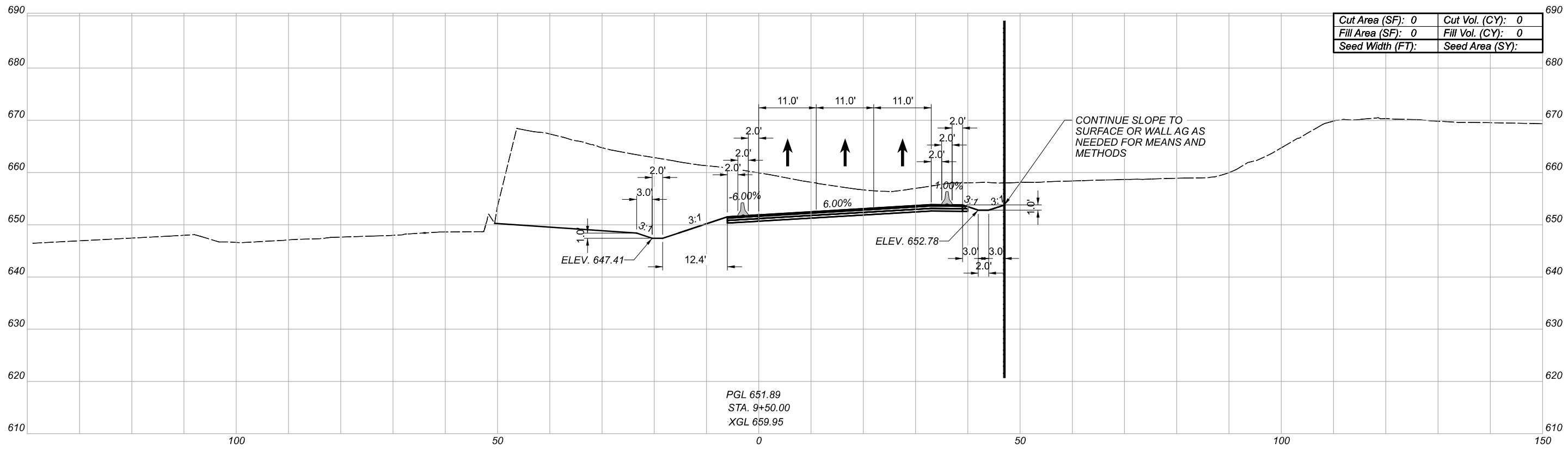
DESIGNER

REVIEWER

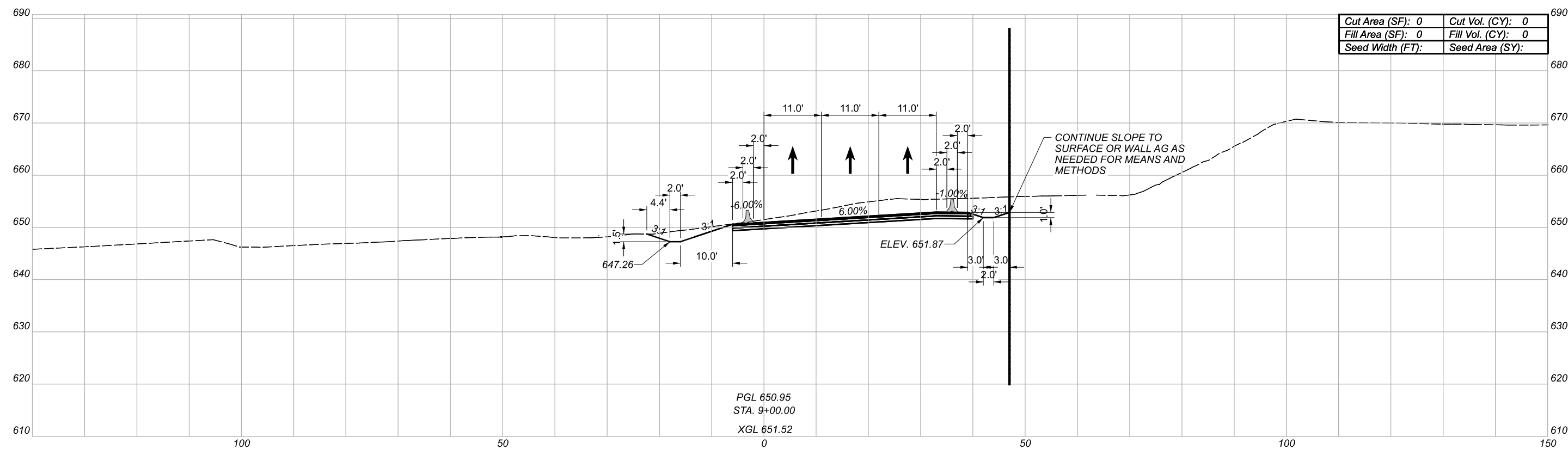
PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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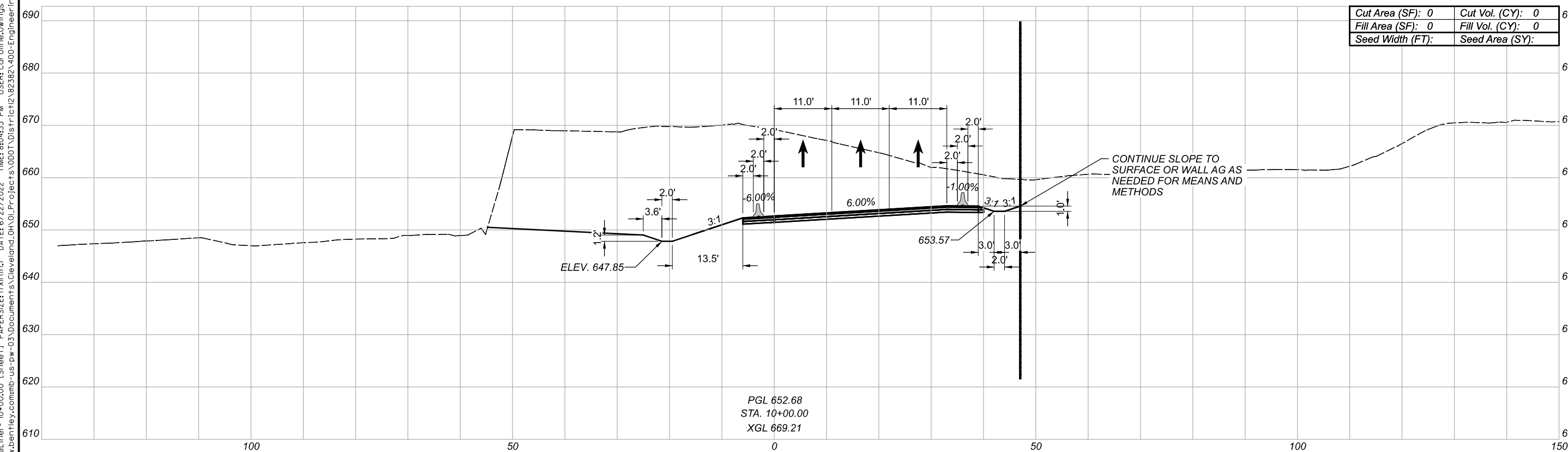
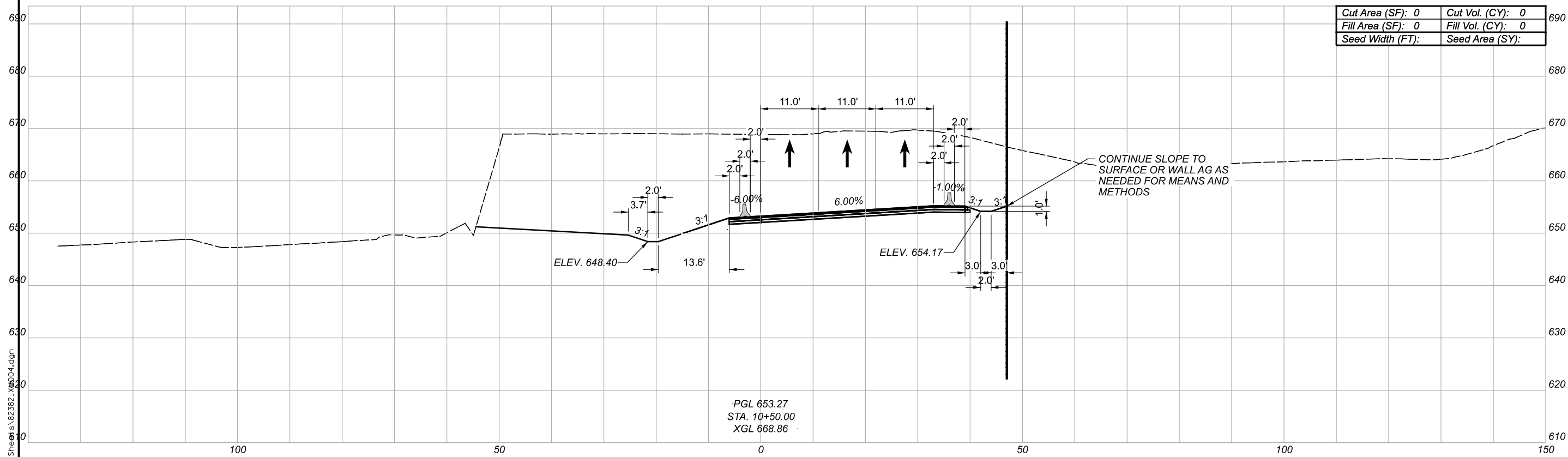


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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
PROJECT ID	82382

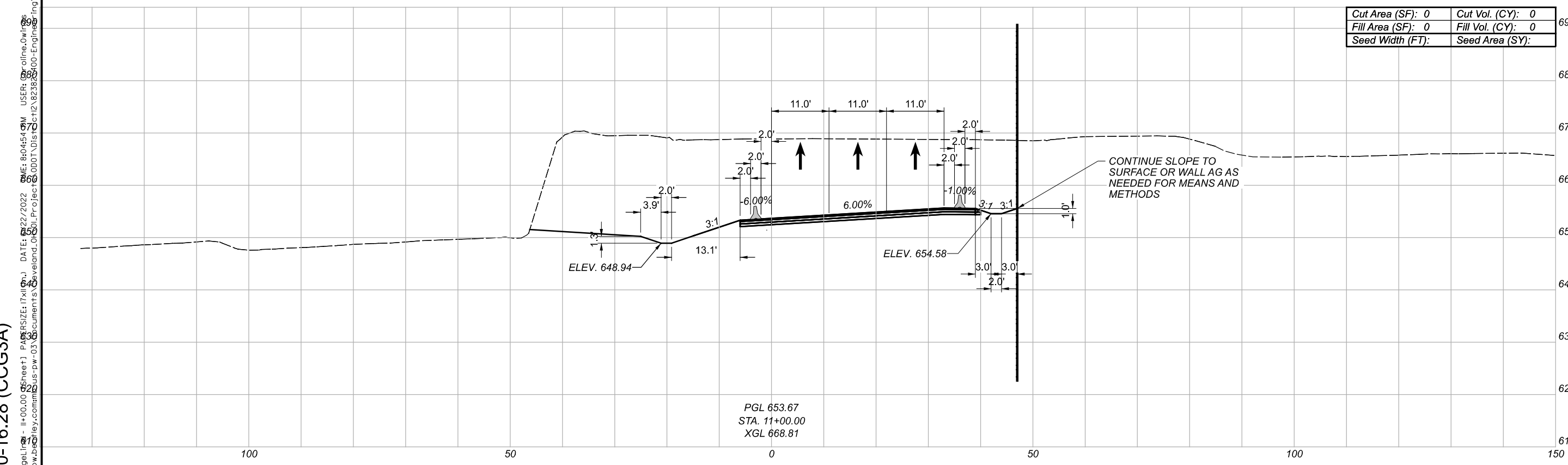
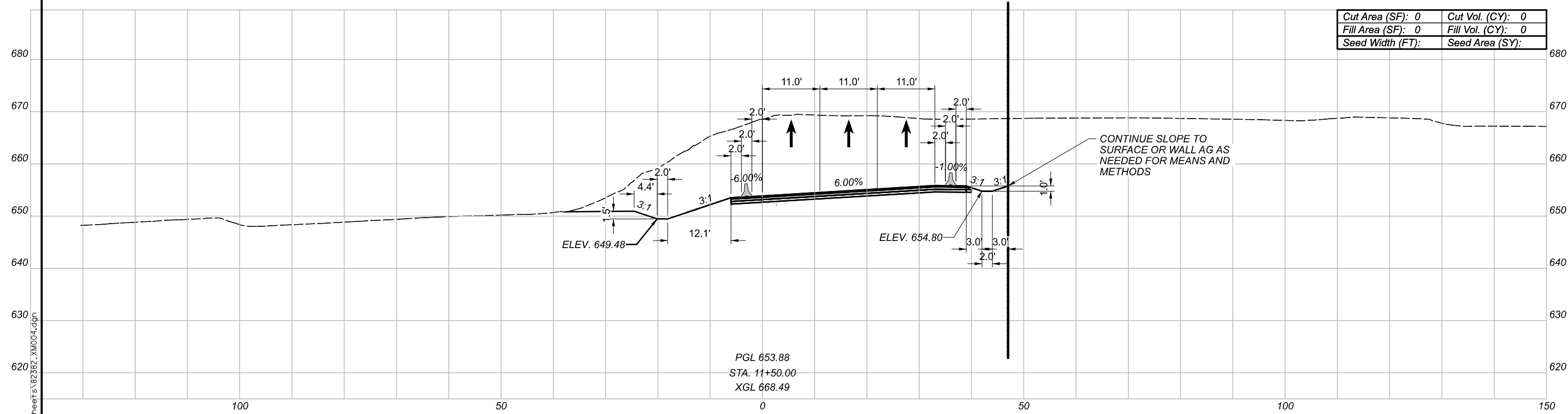
Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	
PROJECT ID	82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

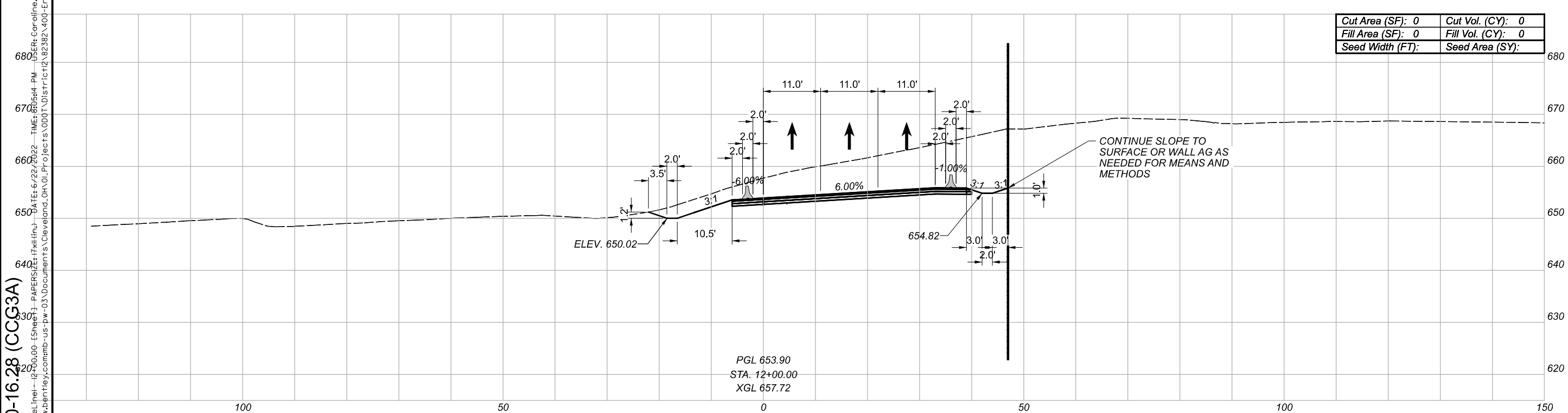
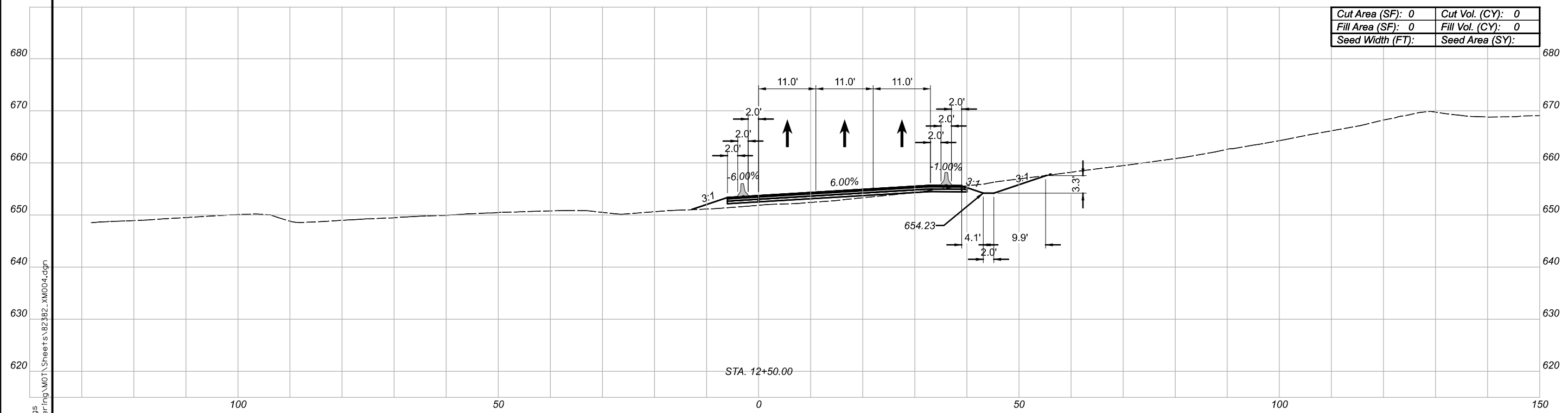
PROJECT ID

82382

Sheet Totals		
Seeding	Cut	Fill
.	.	.
SHEET TOTAL		
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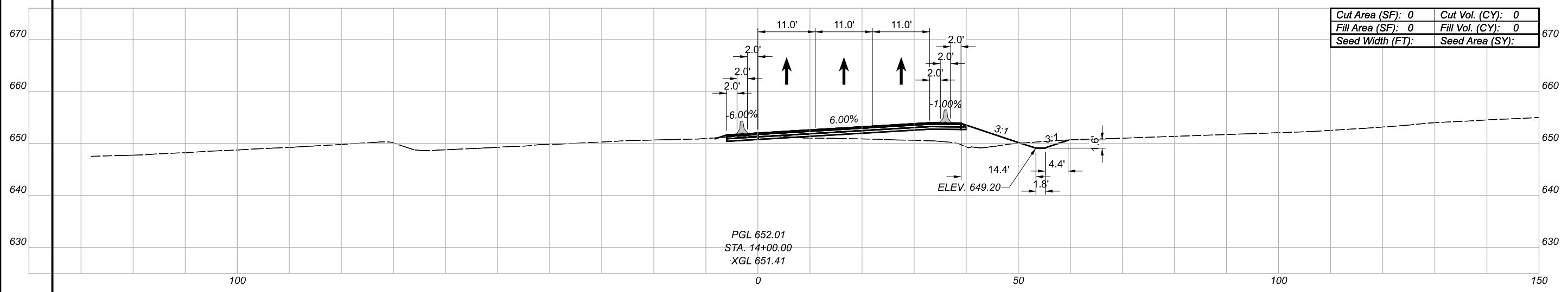
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Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	146	2339

DESIGN AGENCY
Michael Baker
 INTERNATIONAL
 DESIGNER
 REVIEWER
 PROJECT ID

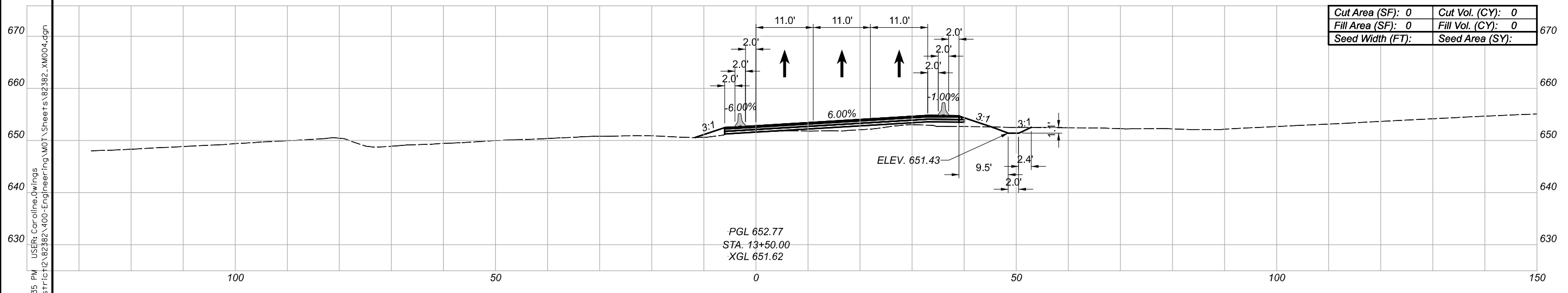
MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

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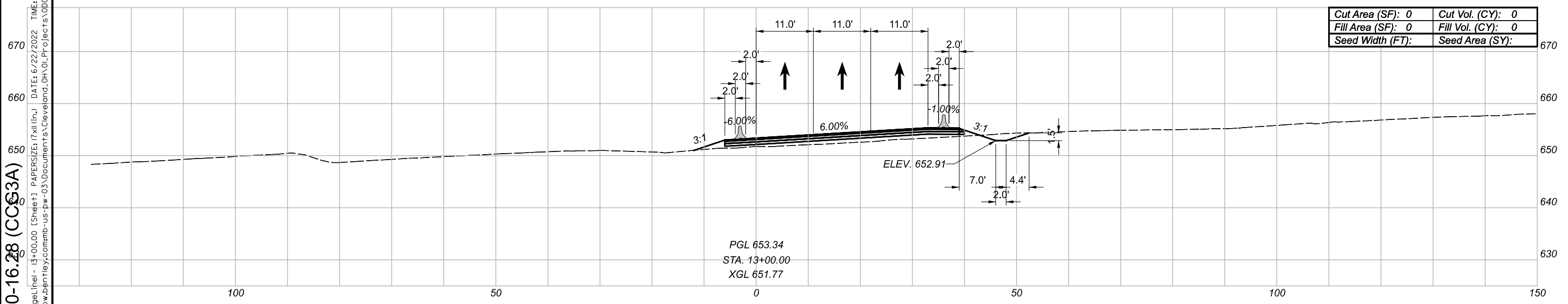
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PGL 652.01
 STA. 14+00.00
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PGL 652.77
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PGL 653.34
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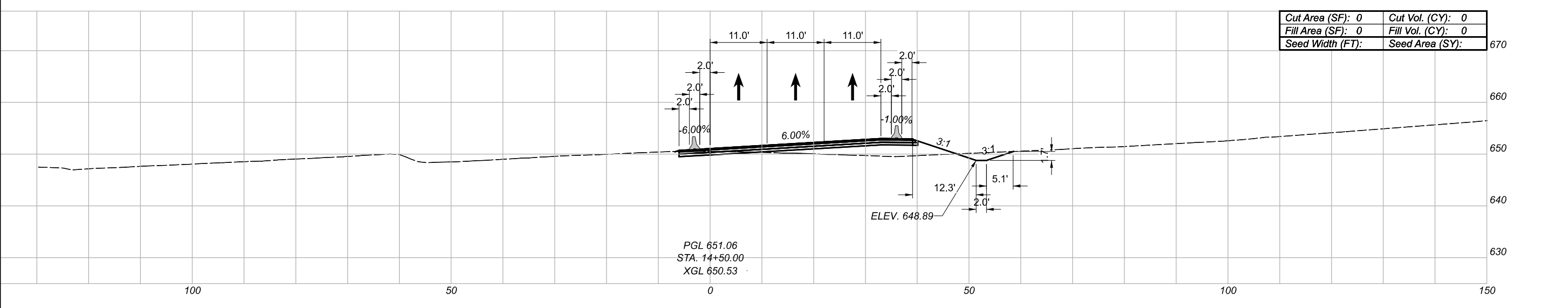
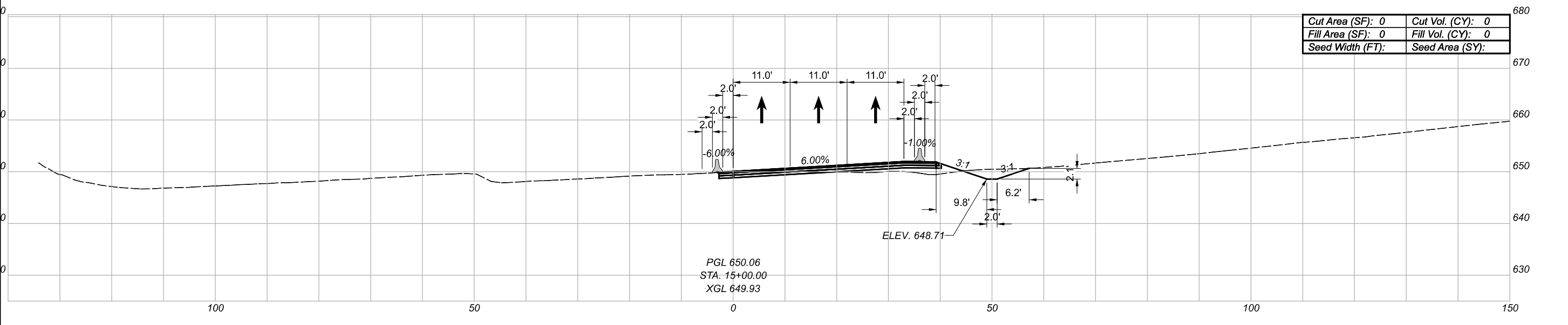
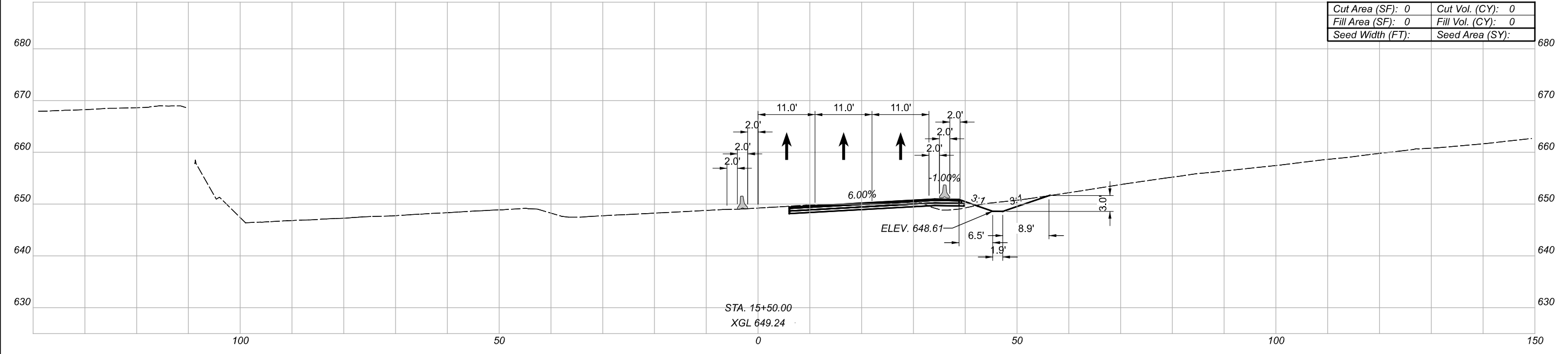
MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY
Michael Baker
 INTERNATIONAL
 DESIGNER
 REVIEWER
 PROJECT ID
 82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	147	2339

CUY-90-16.28 (CCG3A)

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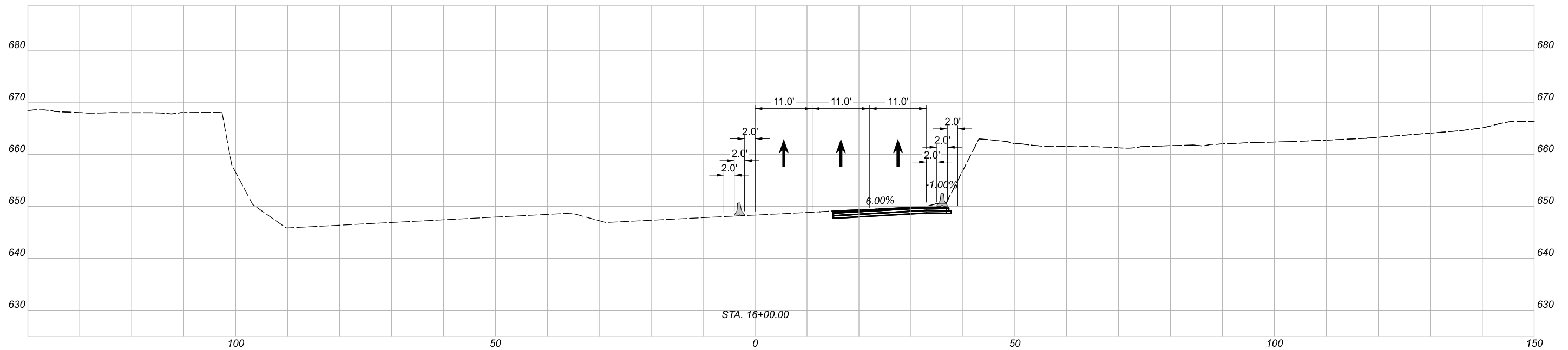
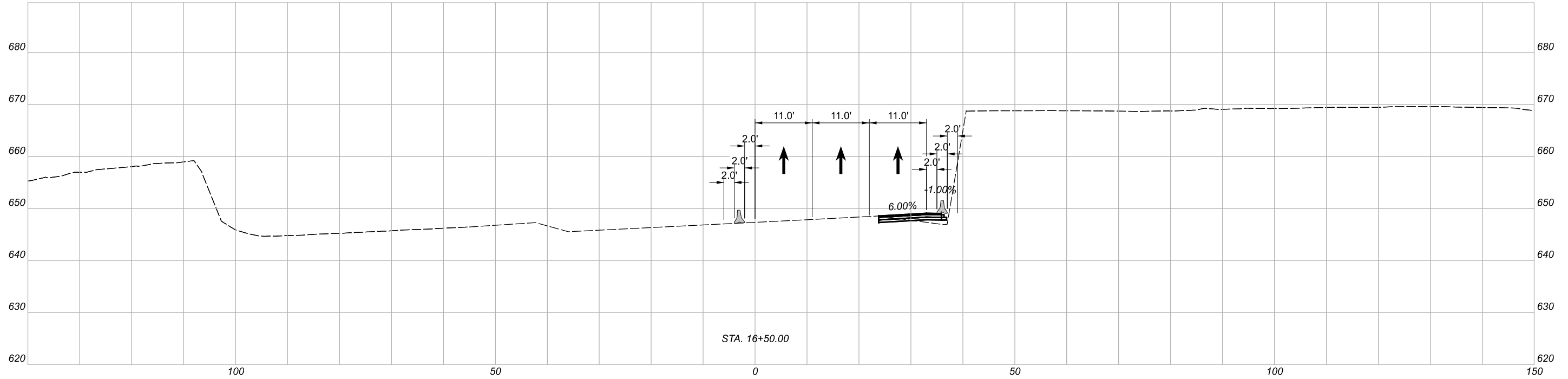


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Seeding	Cut	Fill	SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY
Michael Baker
 INTERNATIONAL
 DESIGNER
 REVIEWER
 PROJECT ID

STA. 16+92.58 END TEMPORARY ROAD



MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 EASTBOUND TEMPORARY RUNAROUND

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

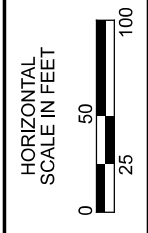
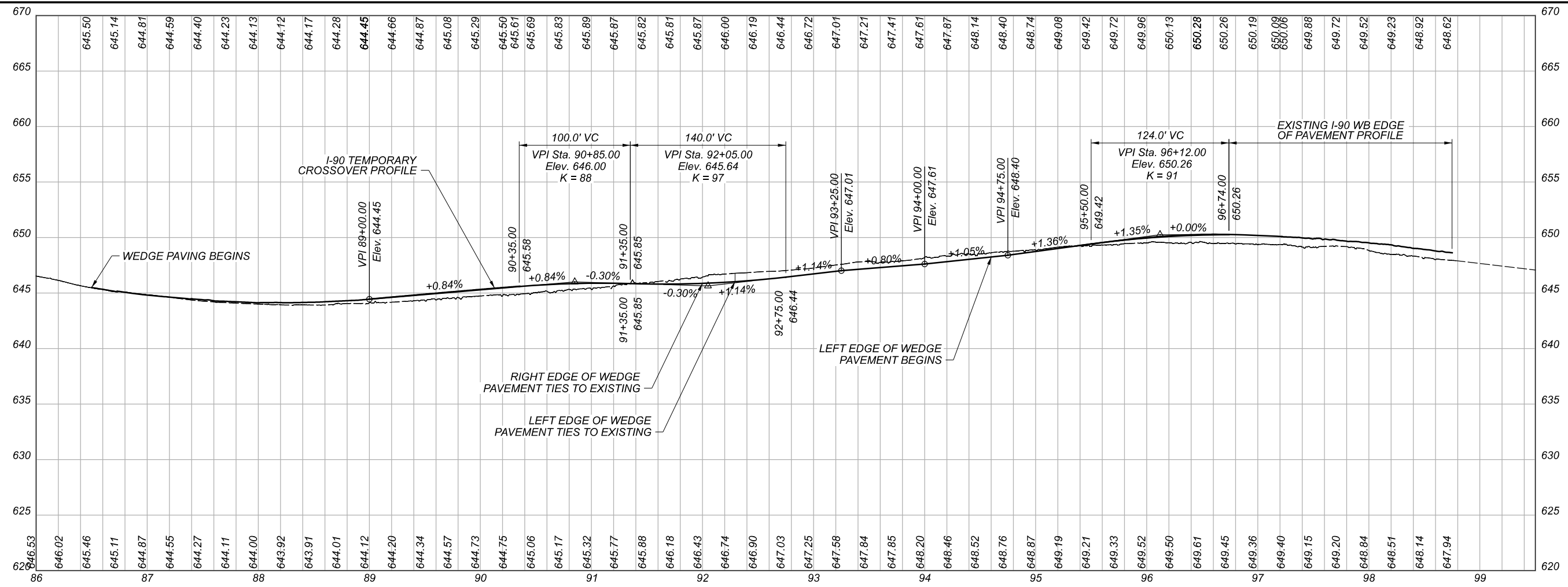
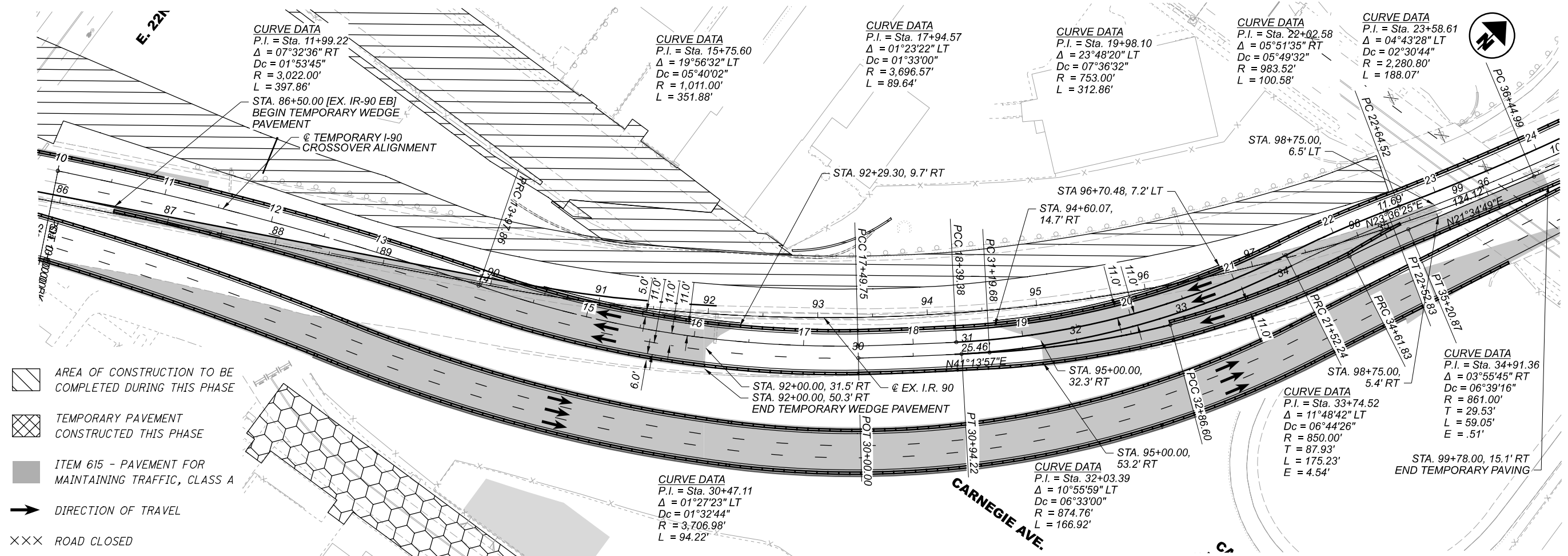
DESIGNER

REVIEWER

PROJECT ID

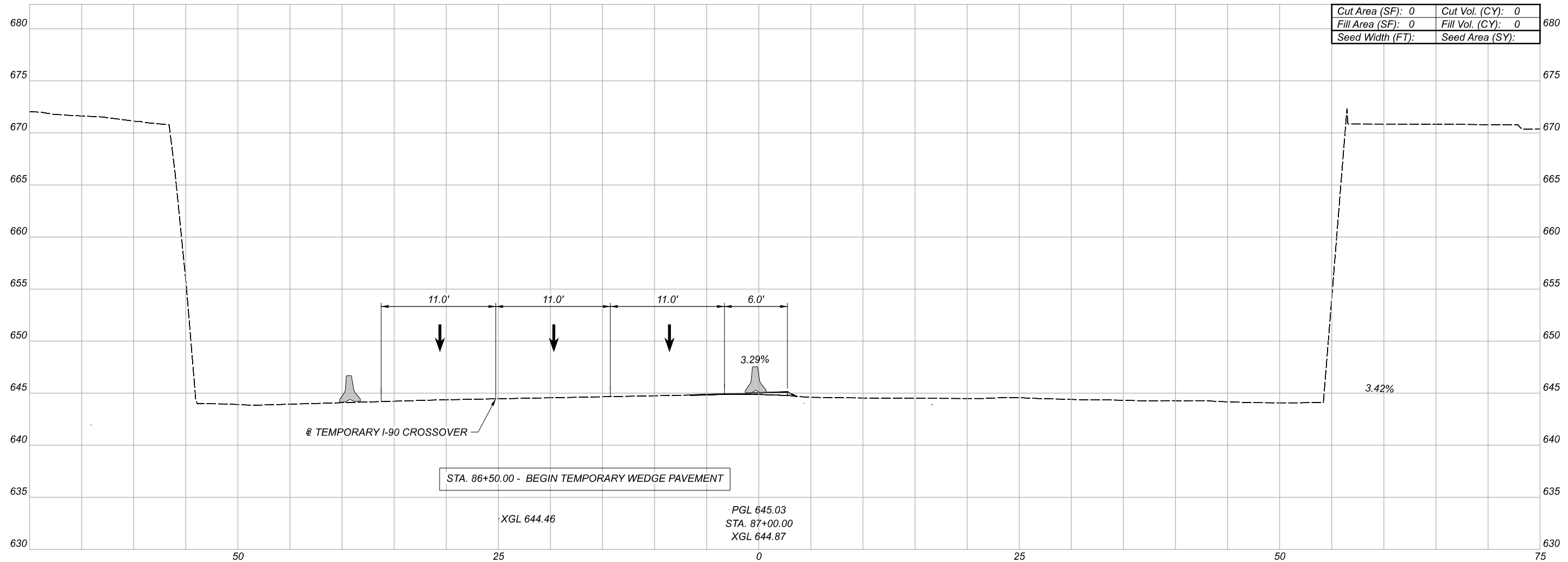
82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
 PLAN & PROFILE - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382
SHEET	TOTAL
150	2339

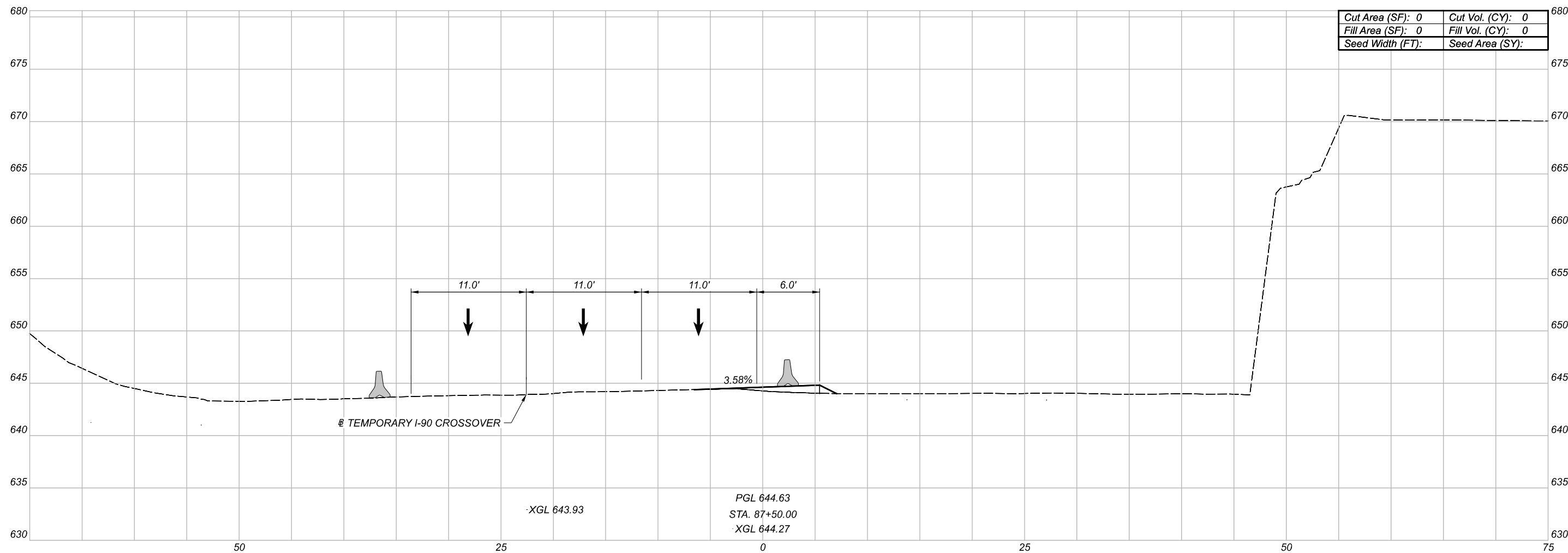


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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	XXX
PROJECT ID	82382
SHEET	151
TOTAL	2339

Sheet Totals		
Seeding	Cut	Fill
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@ TEMPORARY I-90 CROSSOVER

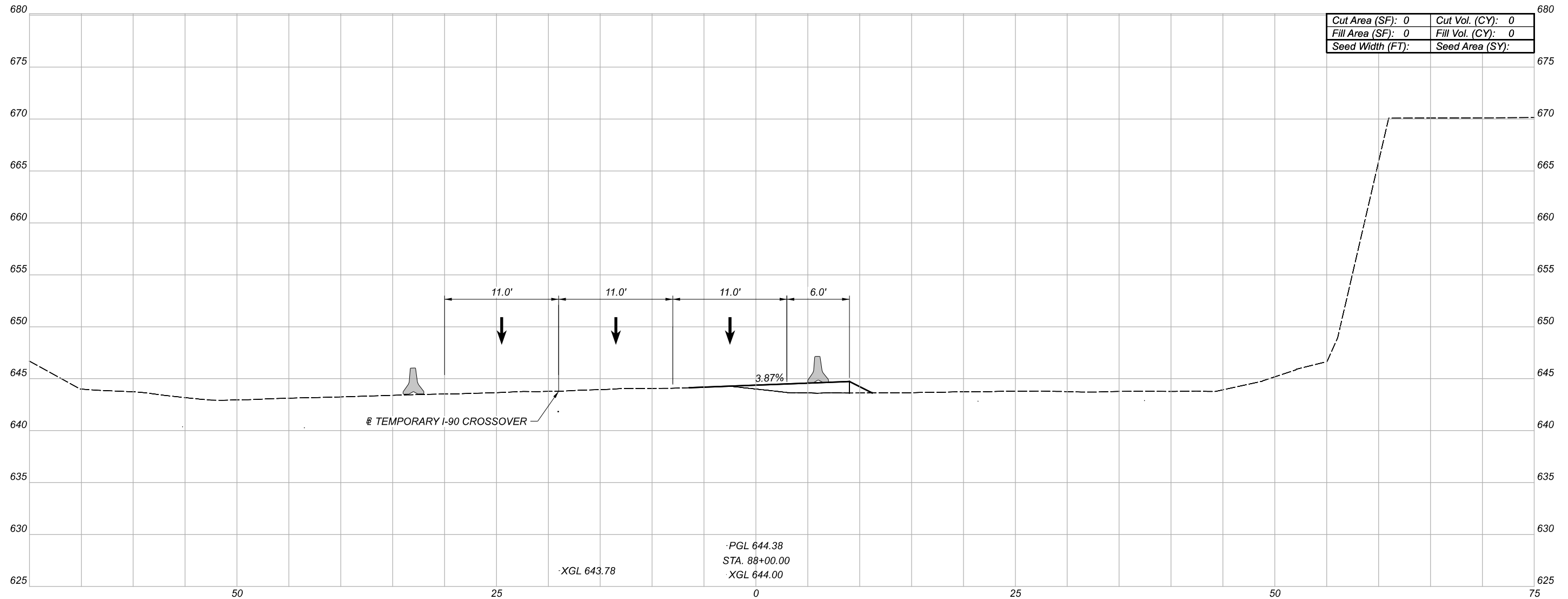
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PGL 644.63
 STA. 87+50.00
 -XGL 644.27

Sheet Totals		
Seeding	Cut	Fill
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DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382
SHEET	TOTAL
152	2339

MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER



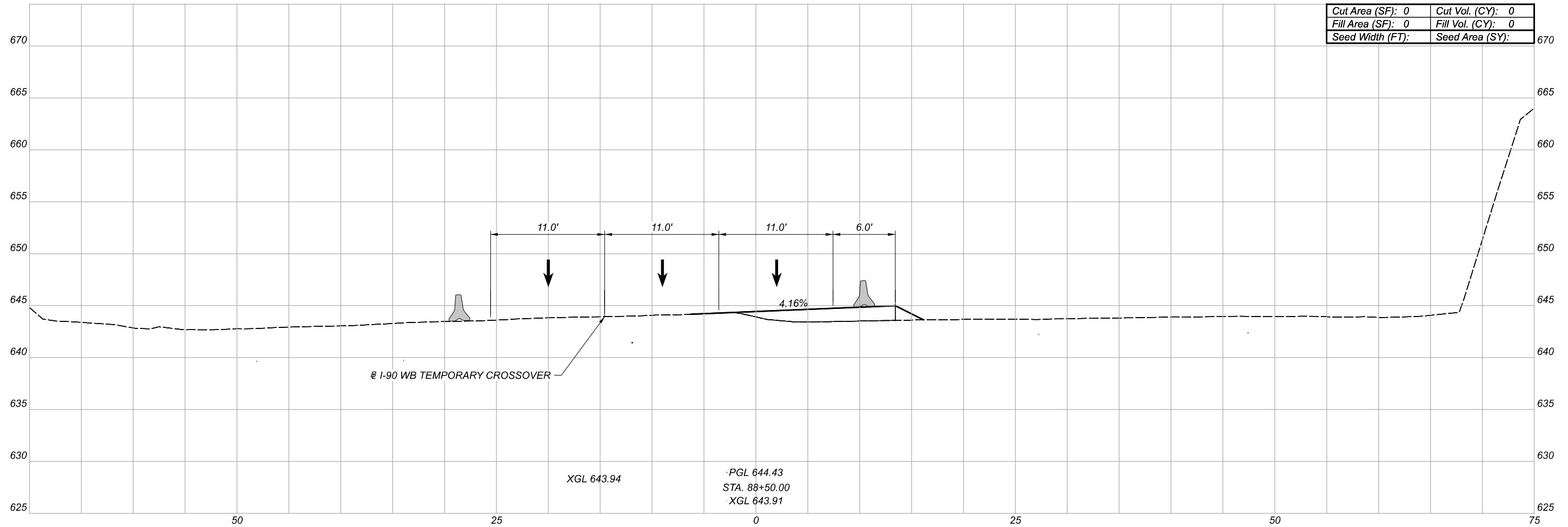
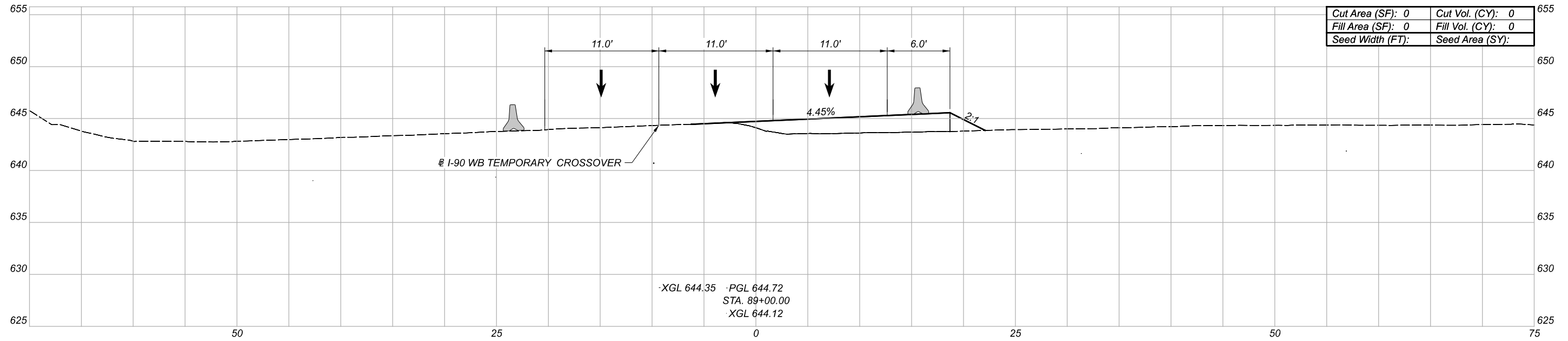
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 STA. 88+00.00
 -XGL 644.00

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	153	2339

DESIGN AGENCY	
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382

Michael Baker INTERNATIONAL



MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY

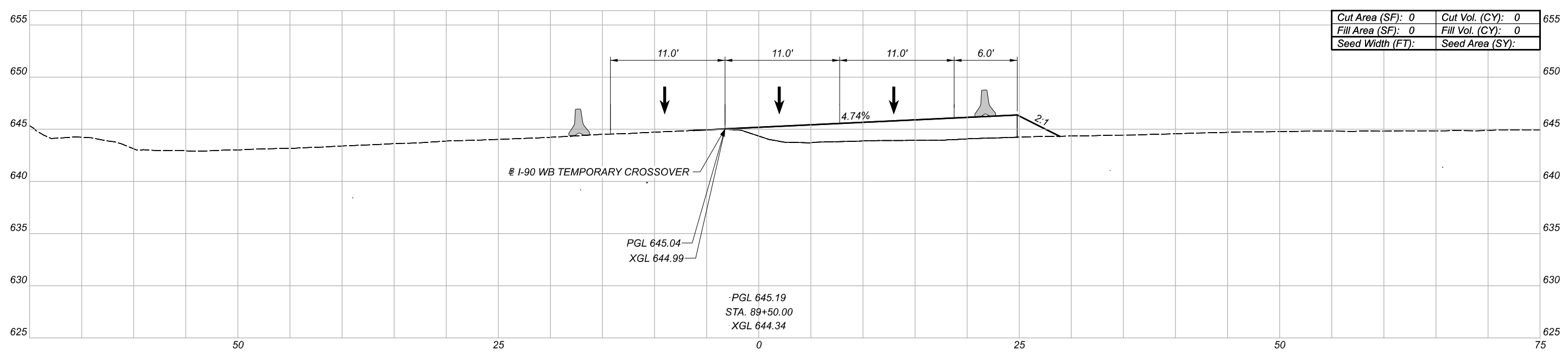
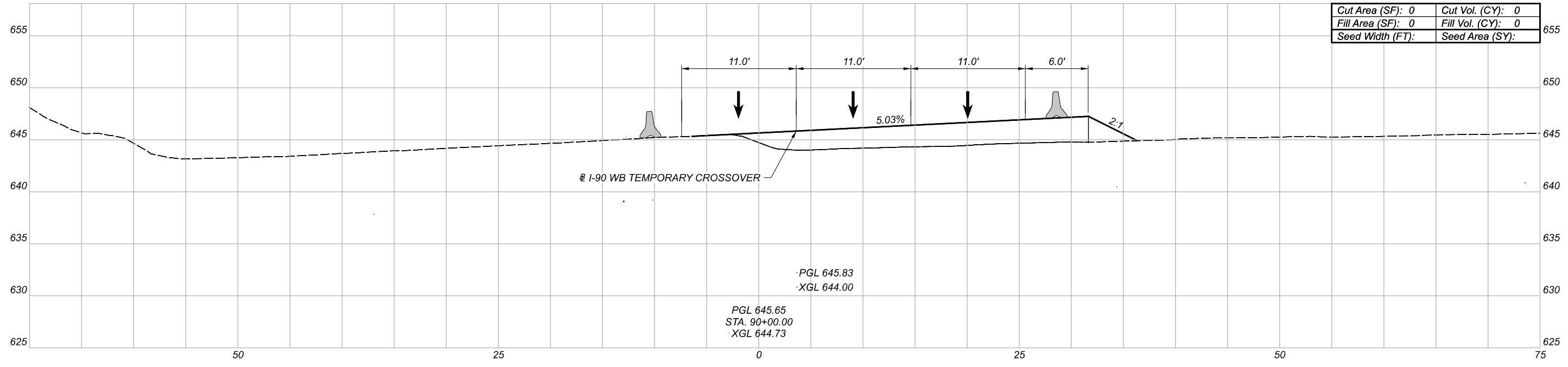
Michael Baker
INTERNATIONAL

DESIGNER
XXX

REVIEWER
XXX MM-DD-YY

PROJECT ID
82382

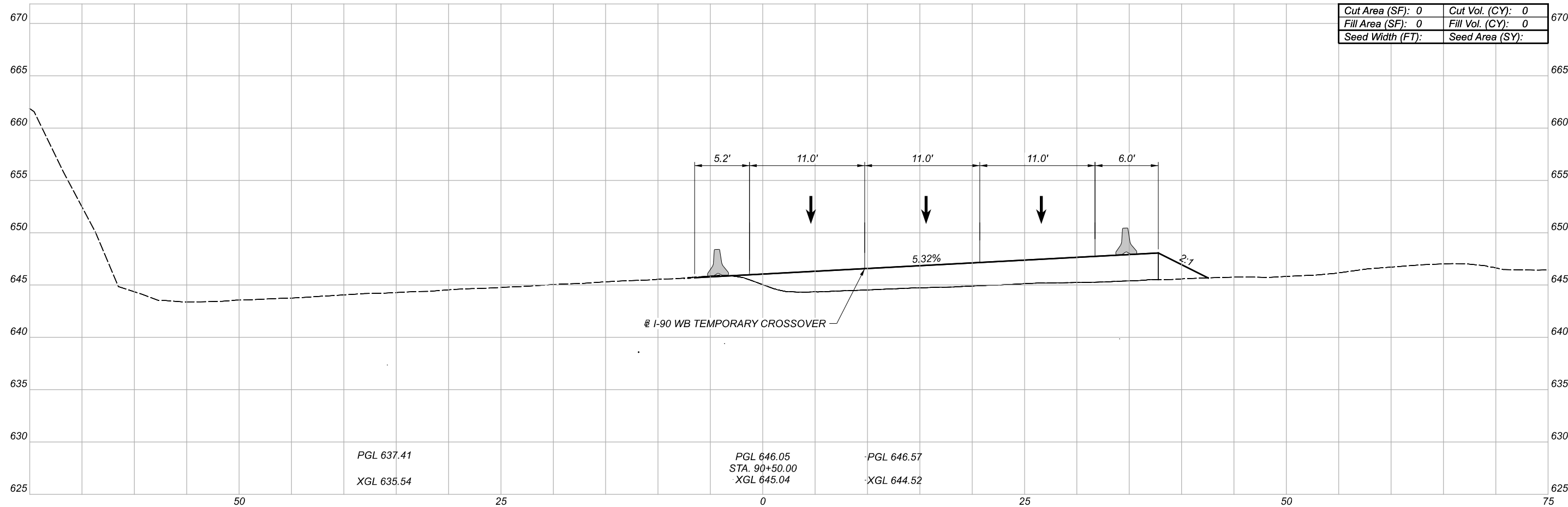
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Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY
Michael Baker
 INTERNATIONAL
 DESIGNER
 XXX
 REVIEWER
 XXX MM-DD-YY
 PROJECT ID
 82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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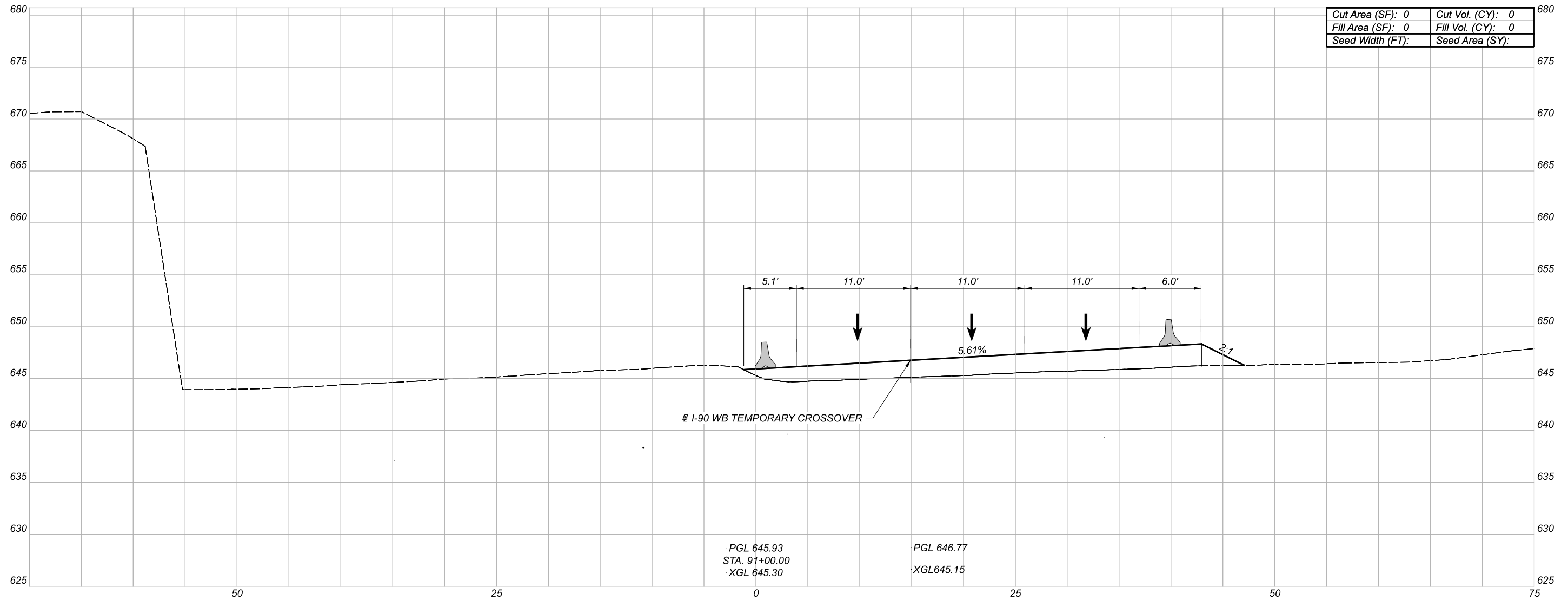
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STA. 90+50.00
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Sheet Totals		
Seeding	Cut	Fill
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DESIGN AGENCY	
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382
SHEET TOTAL	156 2339

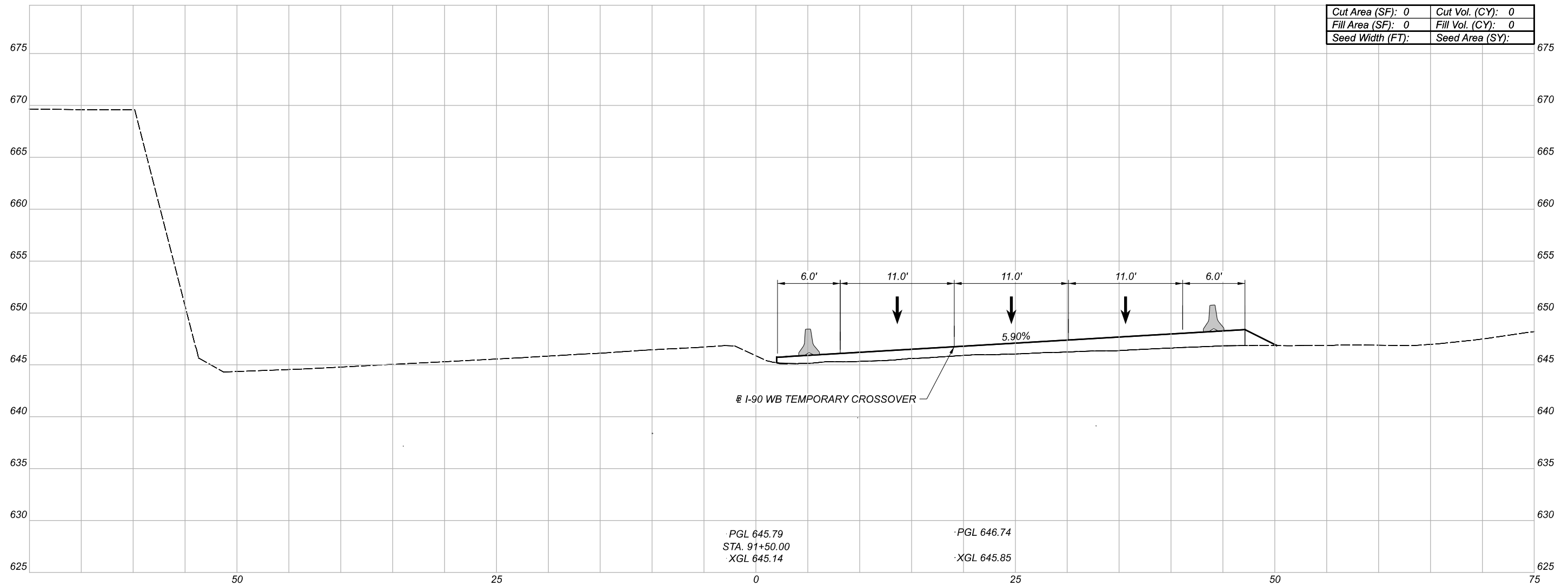


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Seeding	Cut	Fill		
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DESIGN AGENCY
Michael Baker
 INTERNATIONAL
 DESIGNER
 XXX
 REVIEWER
 XXX MM-DD-YY
 PROJECT ID
 82382



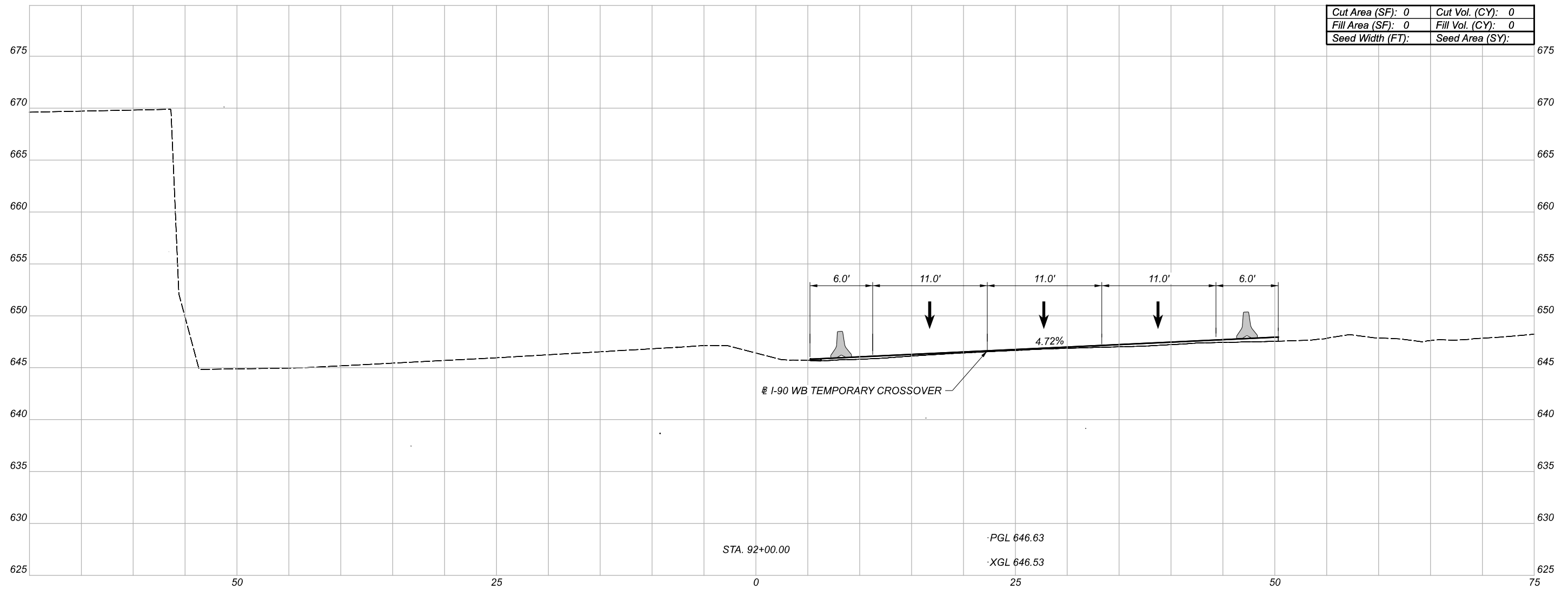
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY
Michael Baker
 INTERNATIONAL
 DESIGNER
 XXX
 REVIEWER
 XXX MM-DD-YY
 PROJECT ID
 82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

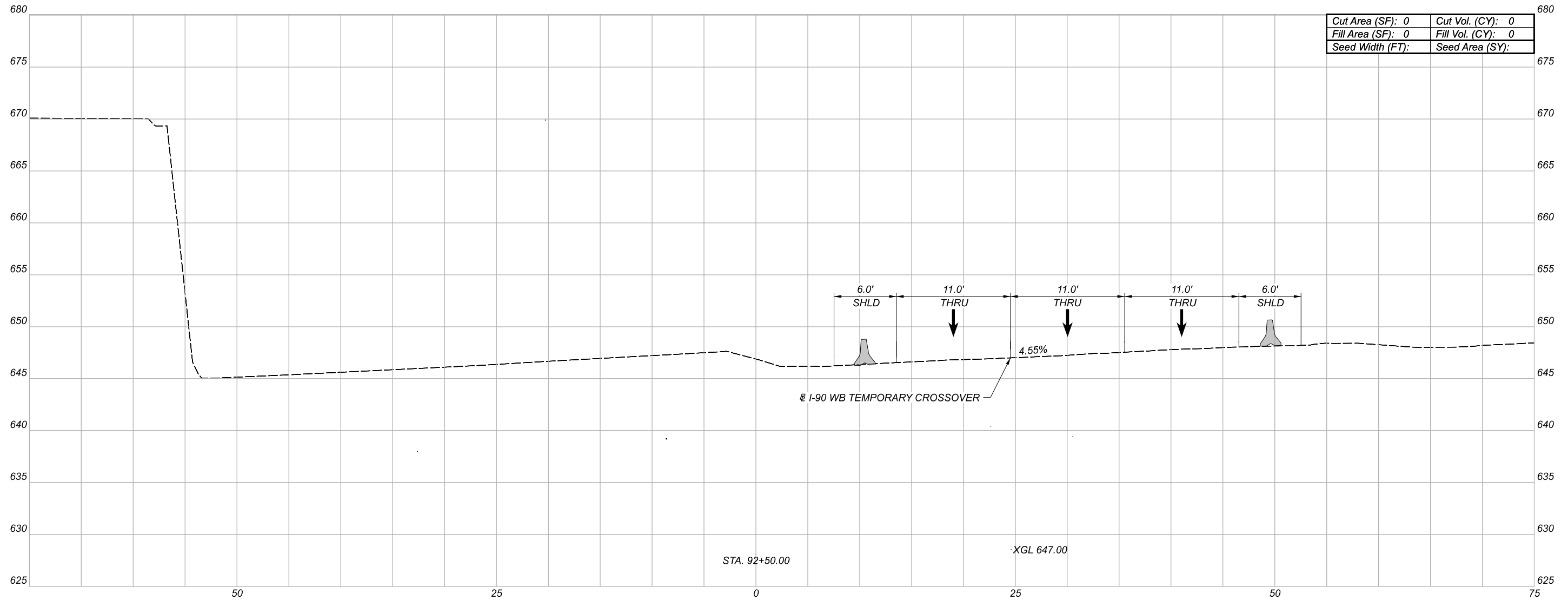
DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER
 XXX

REVIEWER
 XXX MM-DD-YY

PROJECT ID
 82382



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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY

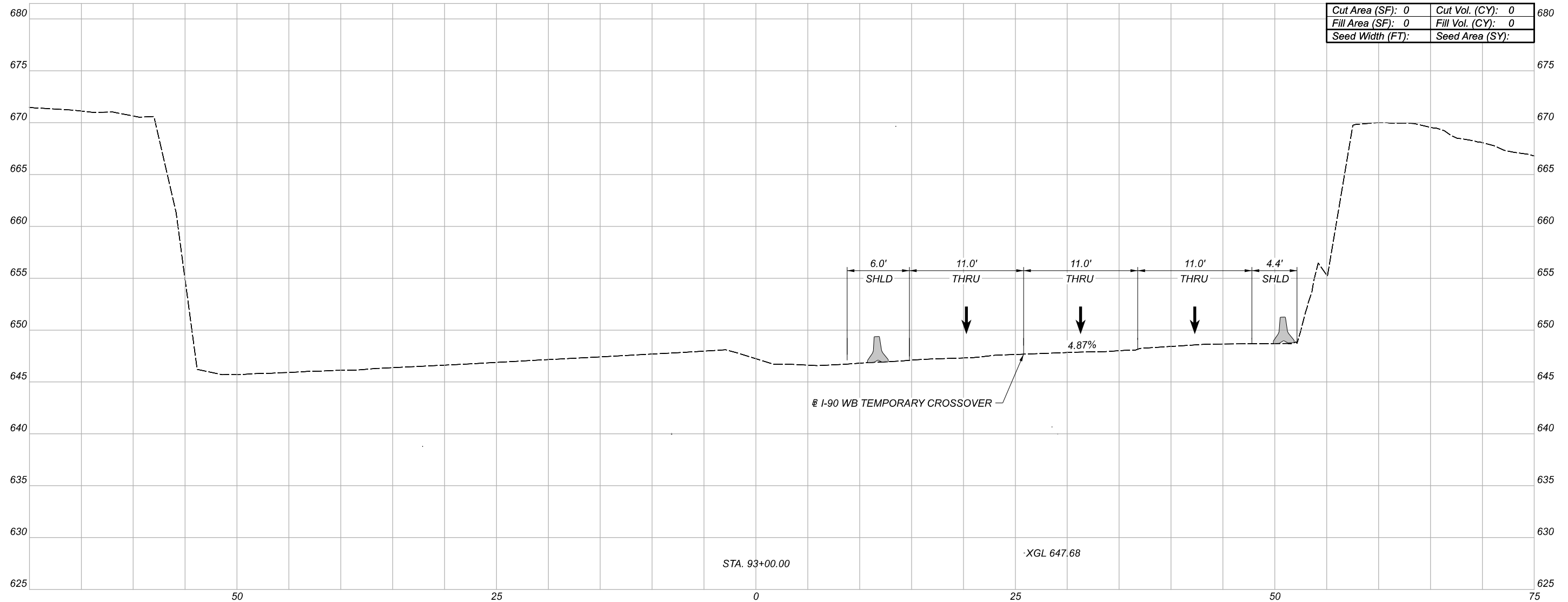
Michael Baker
 INTERNATIONAL

DESIGNER
 XXX

REVIEWER
 XXX MM-DD-YY

PROJECT ID
 82382

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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY

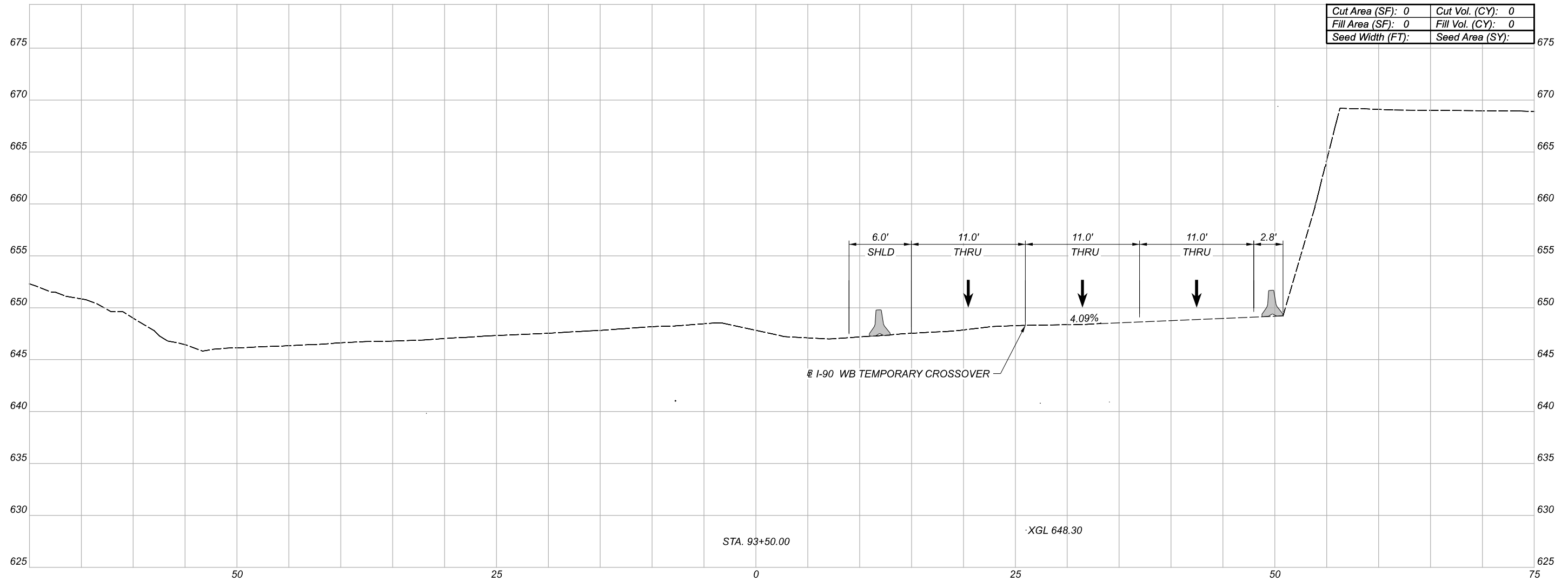
Michael Baker
 INTERNATIONAL

DESIGNER
 XXX

REVIEWER
 XXX MM-DD-YY

PROJECT ID
 82382

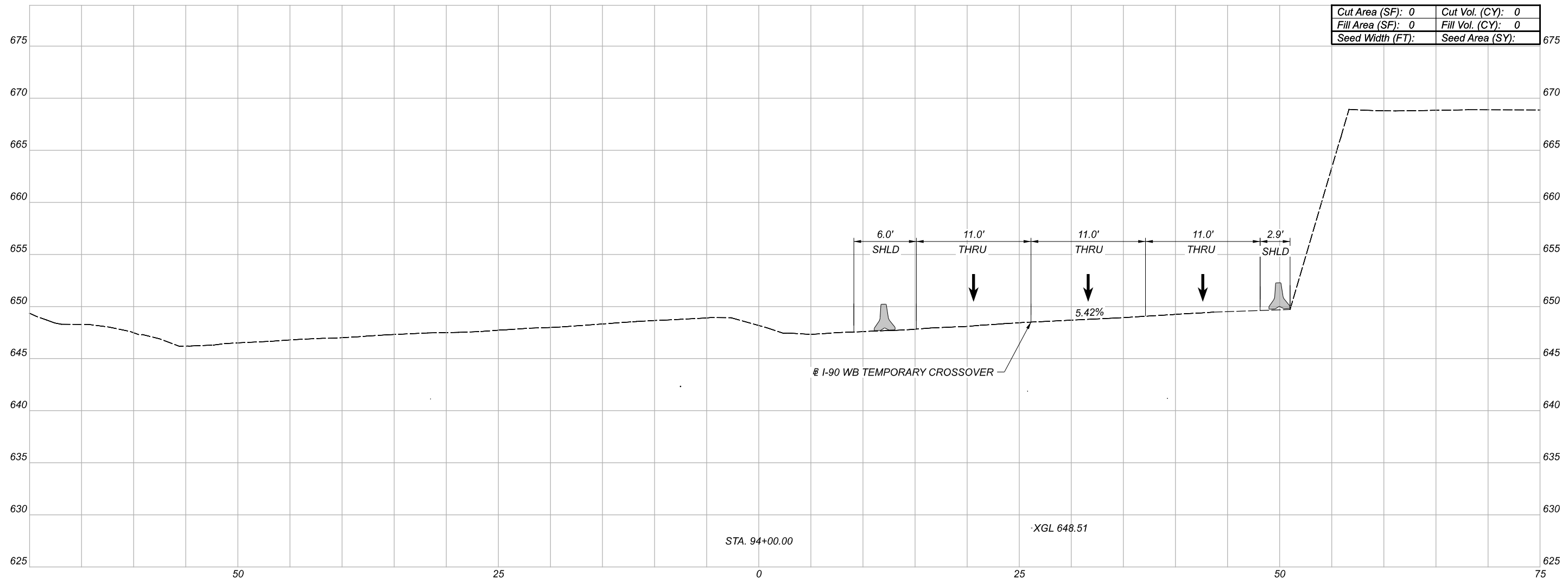
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DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382
SHEET	TOTAL
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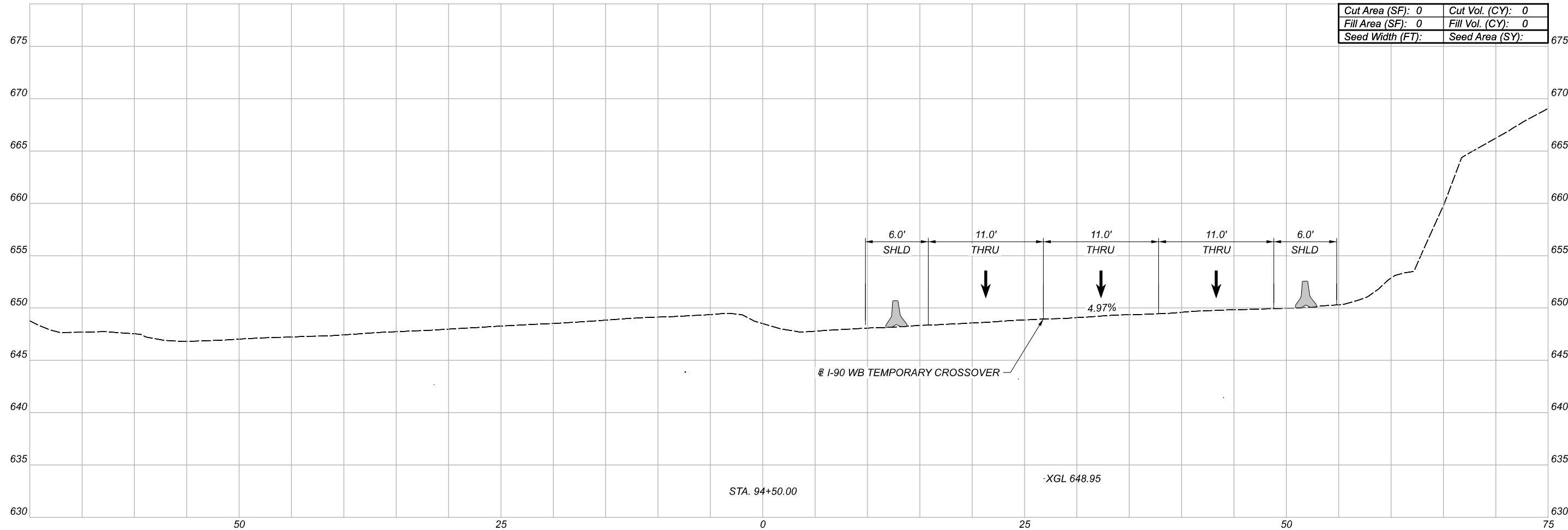
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Seeding	Cut	Fill		
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DESIGN AGENCY	
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382

Michael Baker INTERNATIONAL

MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

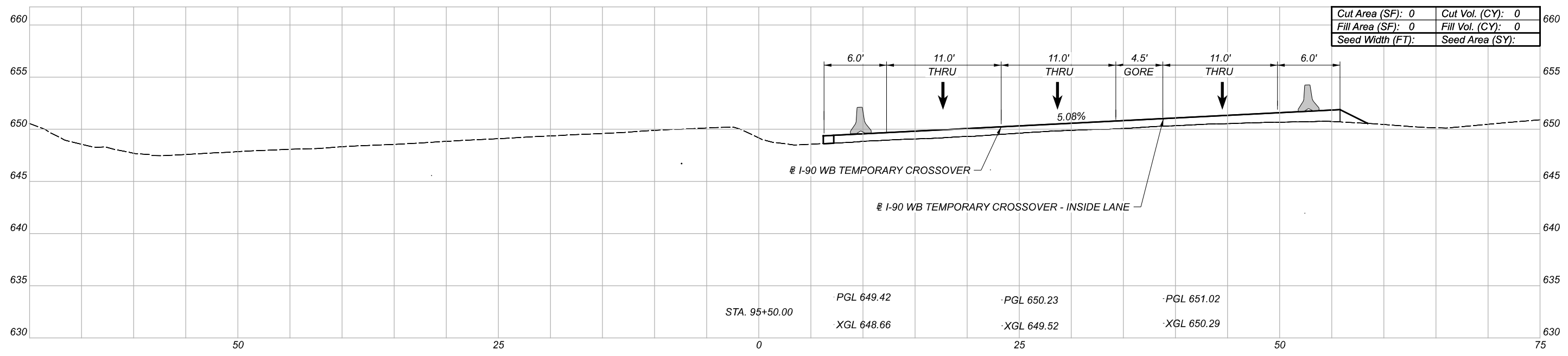
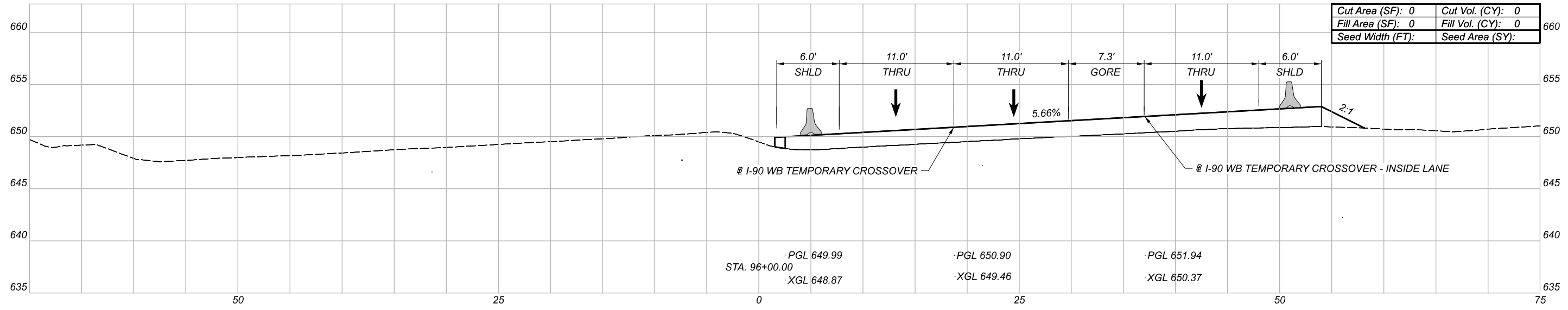


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DESIGN AGENCY	
DESIGNER	XXX
REVIEWER	XXX MM-DD-YY
PROJECT ID	82382
SHEET TOTAL	164 / 2339

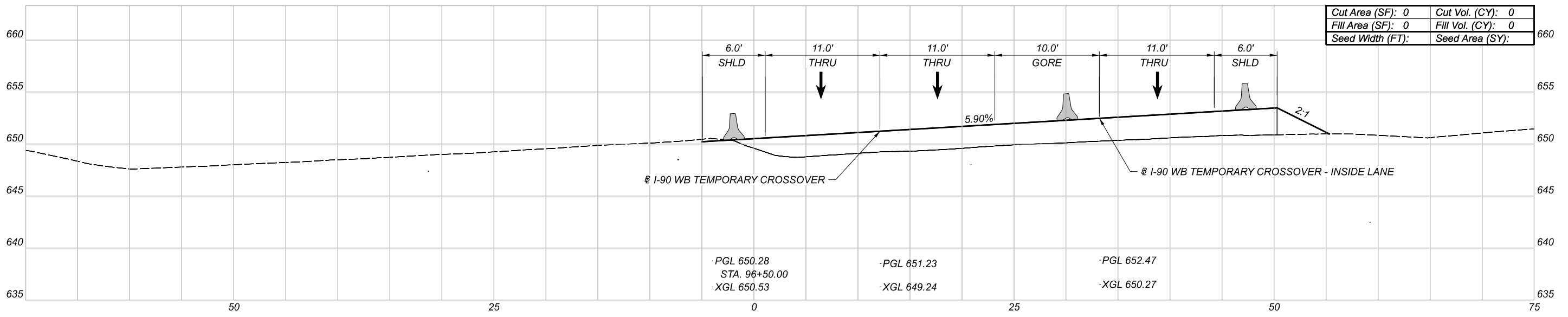
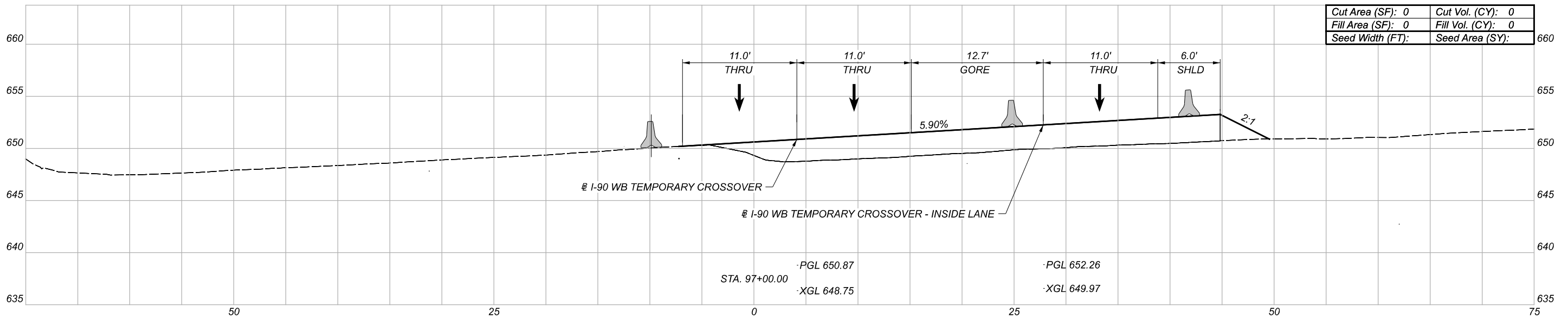
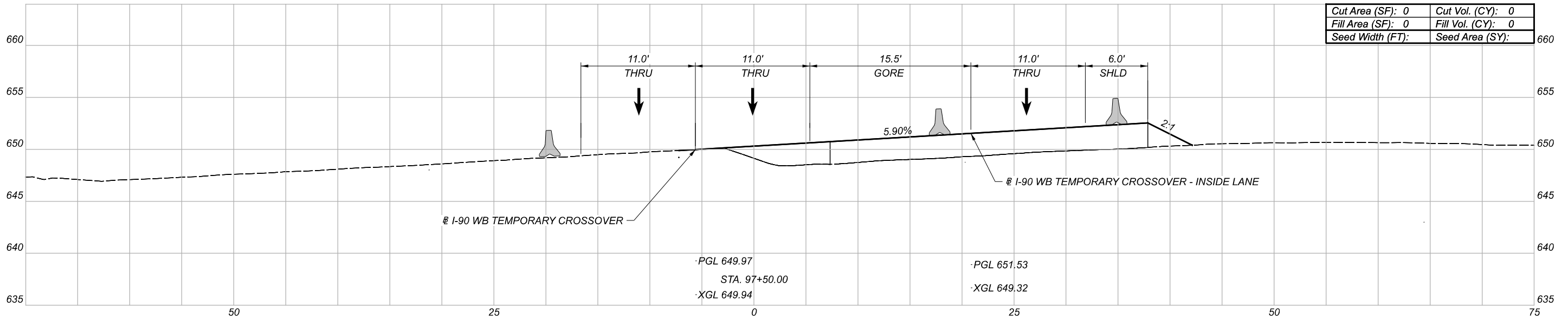
MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER



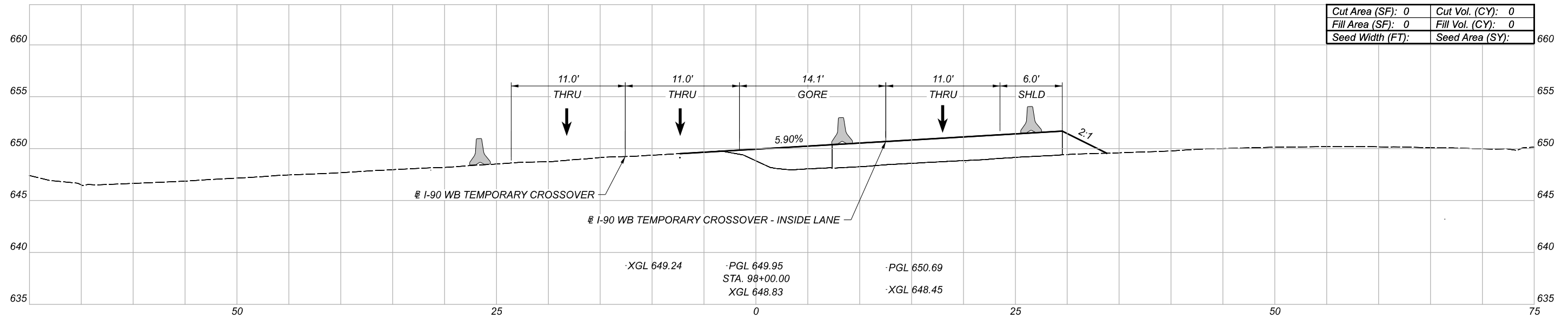
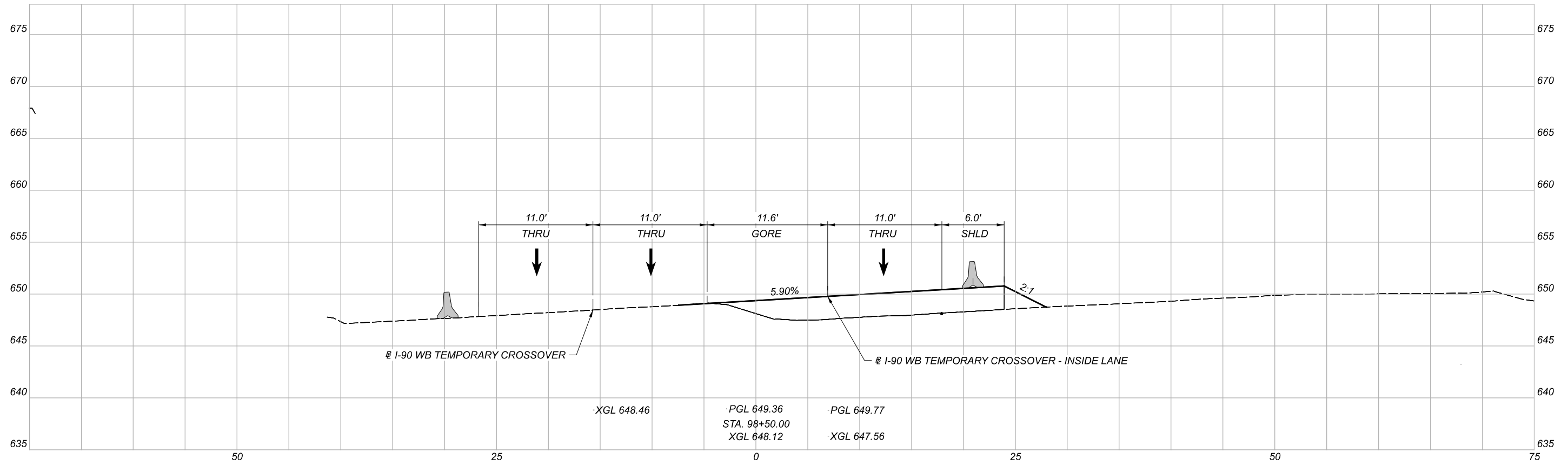
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DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	XXX
PROJECT ID	82382
SHEET TOTAL	165 / 2339

MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER



Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
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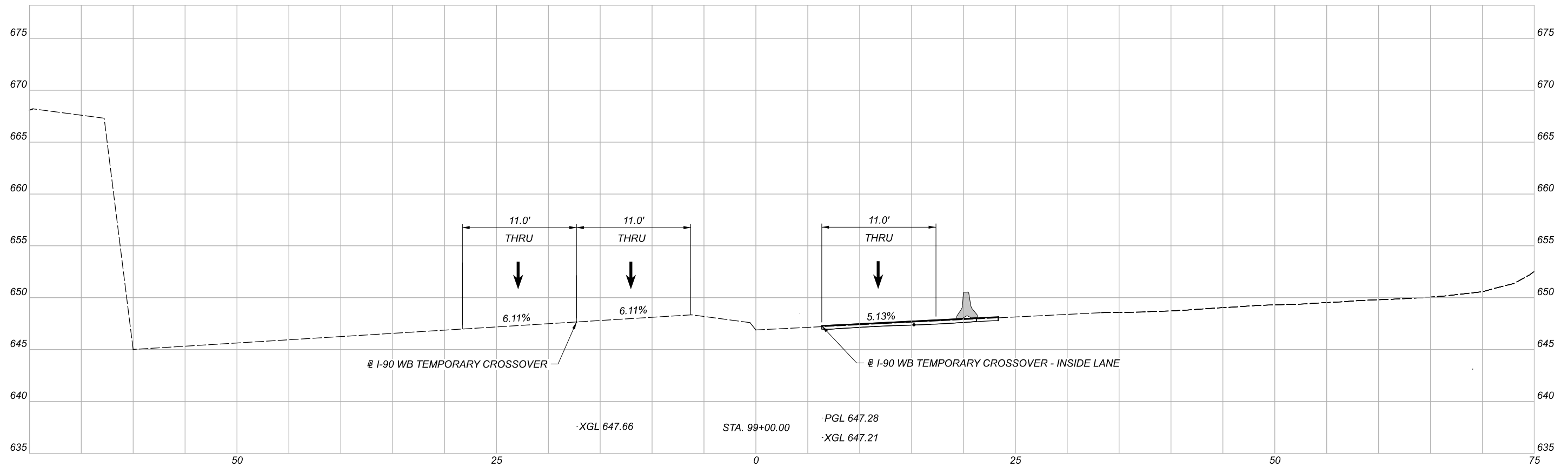
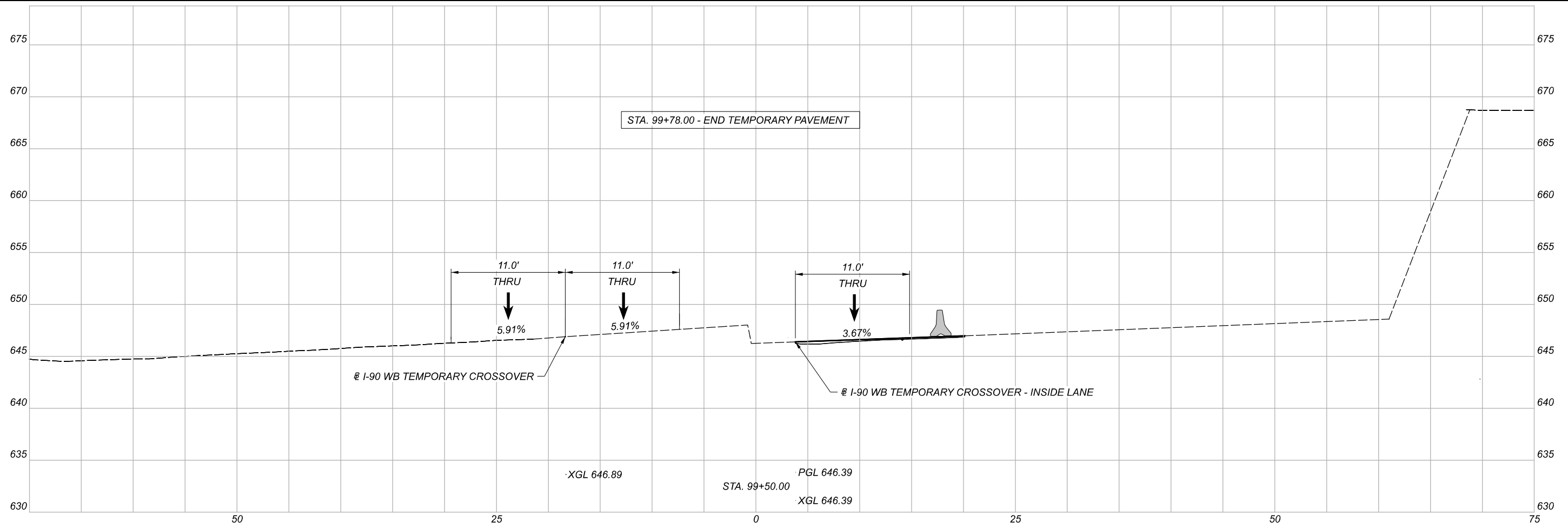


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Seeding	Cut	Fill		
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MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY
Michael Baker INTERNATIONAL
DESIGNER
XXX
REVIEWER
XXX MM-DD-YY
PROJECT ID
82382



MAINTENANCE OF TRAFFIC - PHASE 4
 CROSS SECTIONS - I.R. 90 WESTBOUND CROSSOVER

DESIGN AGENCY

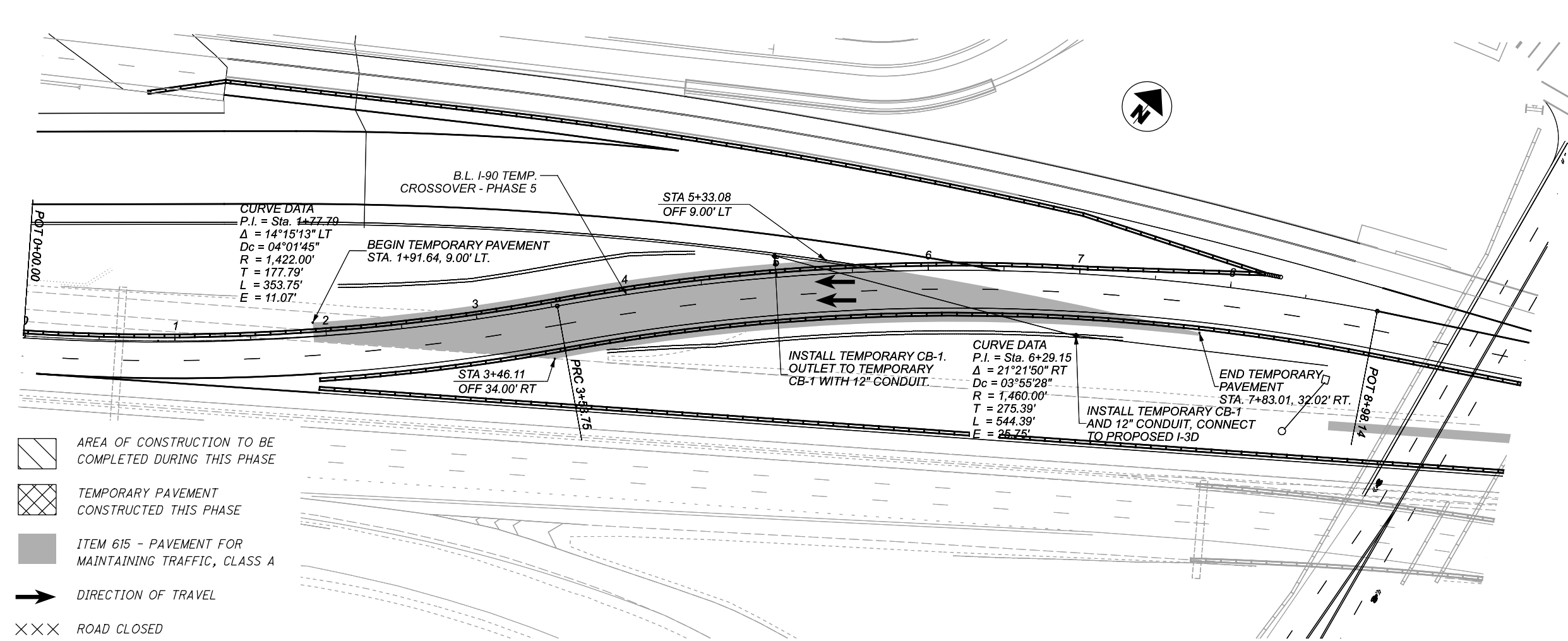
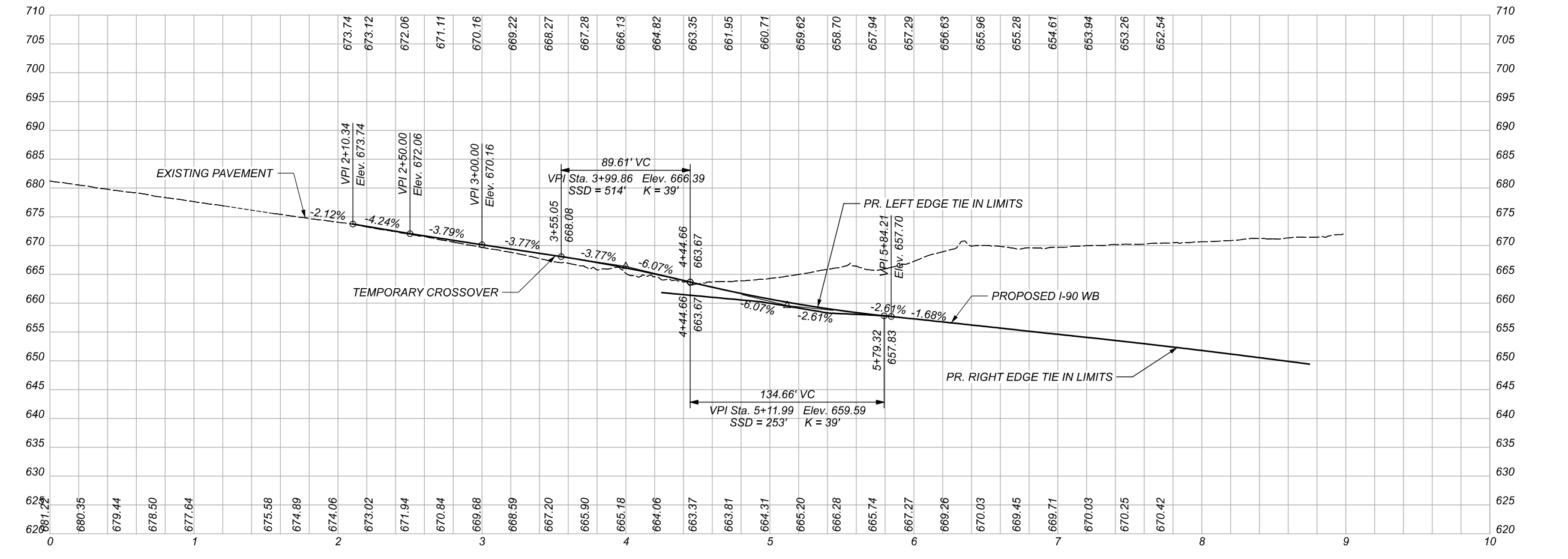
Michael Baker
 INTERNATIONAL

DESIGNER
 XXX

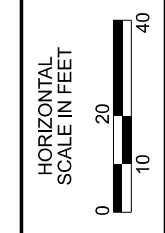
REVIEWER
 XXX MM-DD-YY

PROJECT ID
 82382

Sheet Totals			SHEET	TOTAL
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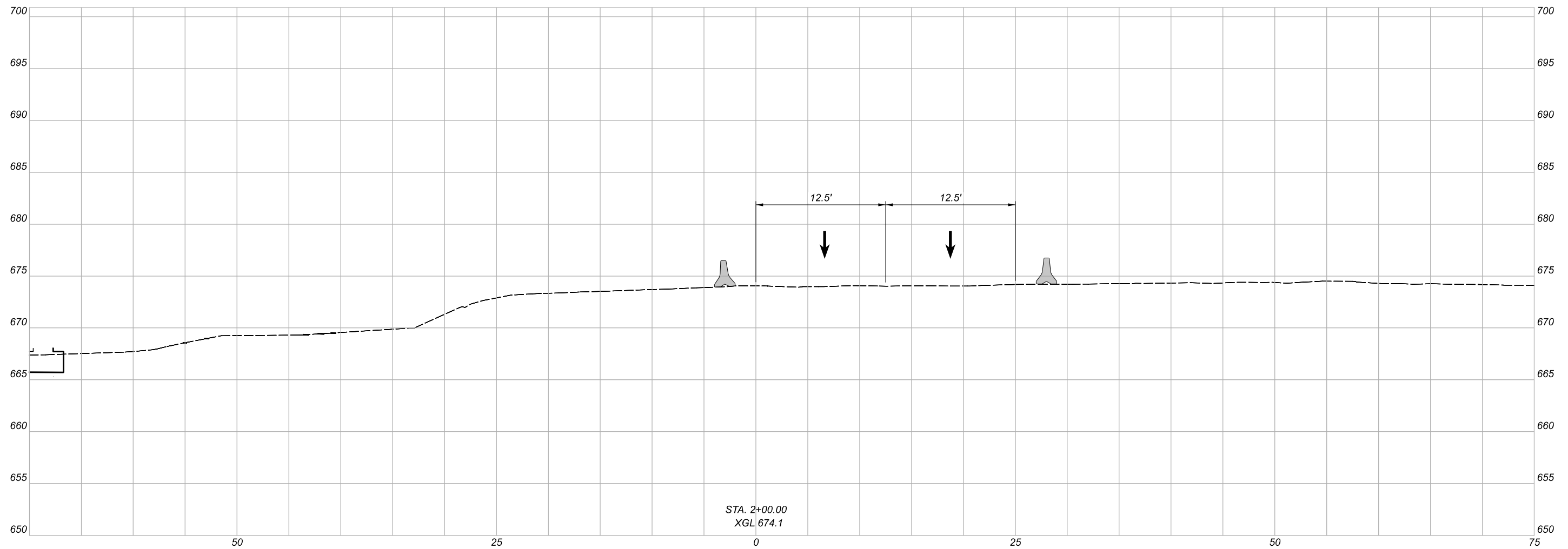
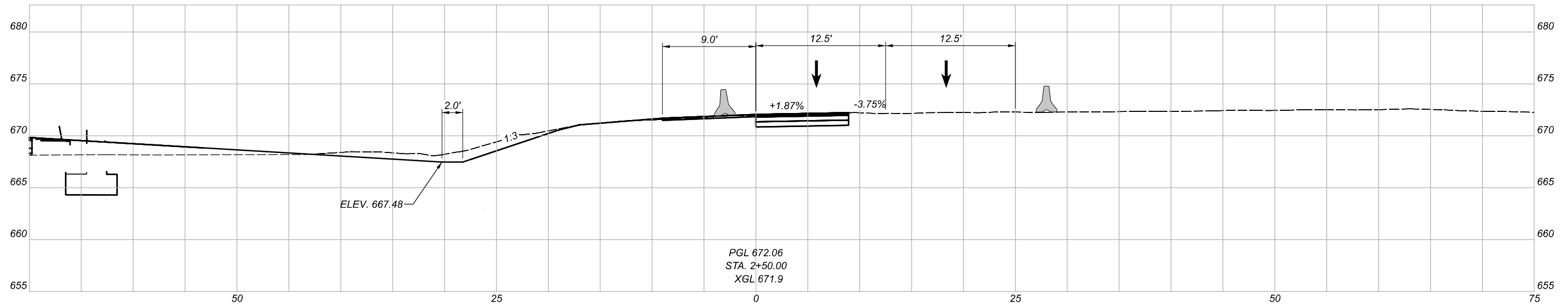


- AREA OF CONSTRUCTION TO BE COMPLETED DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- DIRECTION OF TRAVEL
- ROAD CLOSED



MAINTENANCE OF TRAFFIC - PHASE 5
 PLAN & PROFILE - I.R. 90 WB EAST TEMPORARY CROSSOVER

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	
82382	
SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB EAST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

REVIEWER

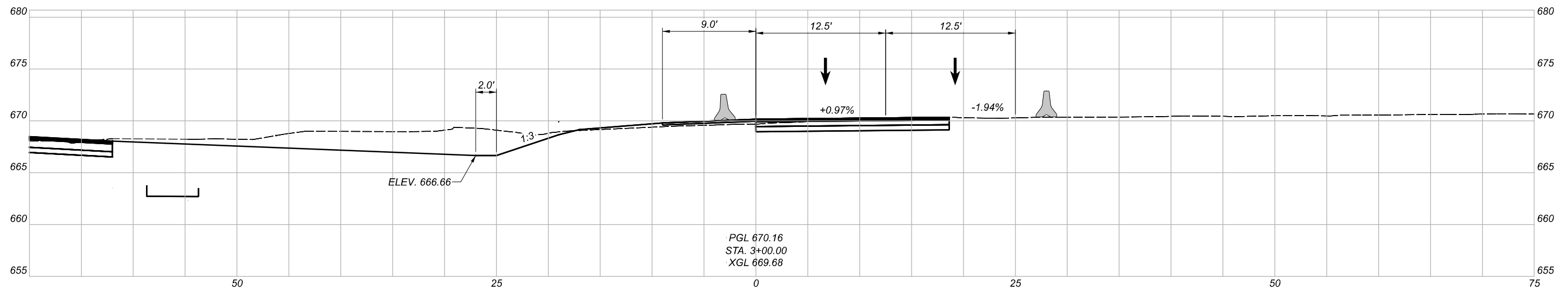
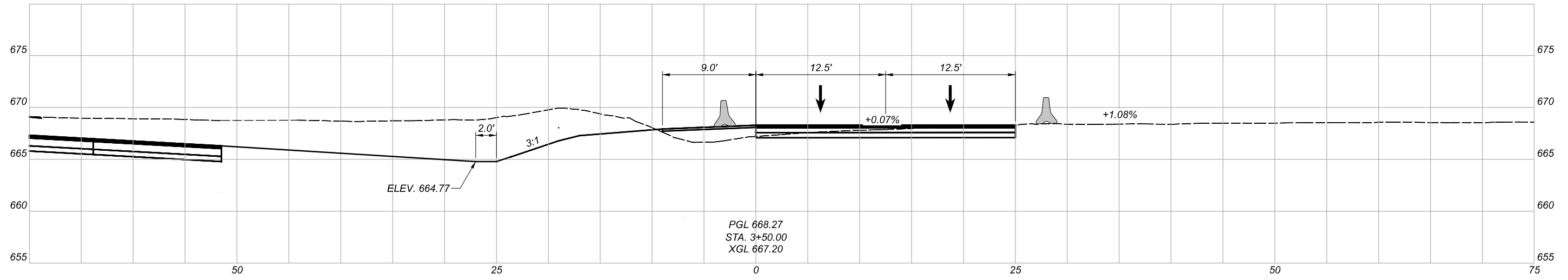
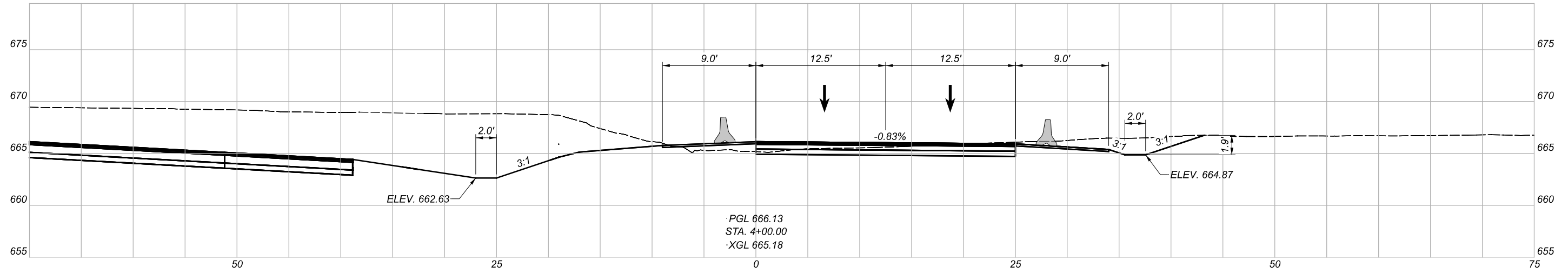
PROJECT ID

82382

Sheet Totals

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SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB EAST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

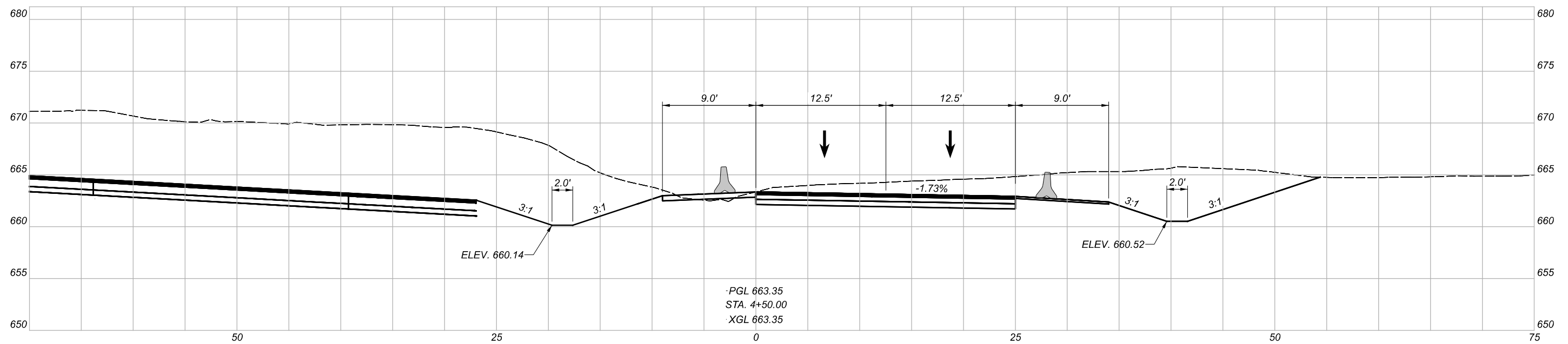
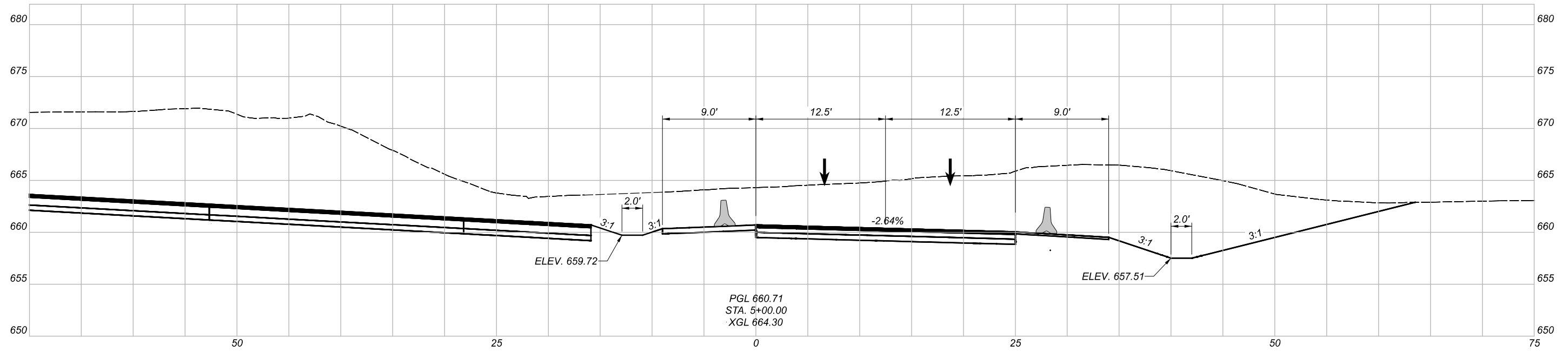
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB EAST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

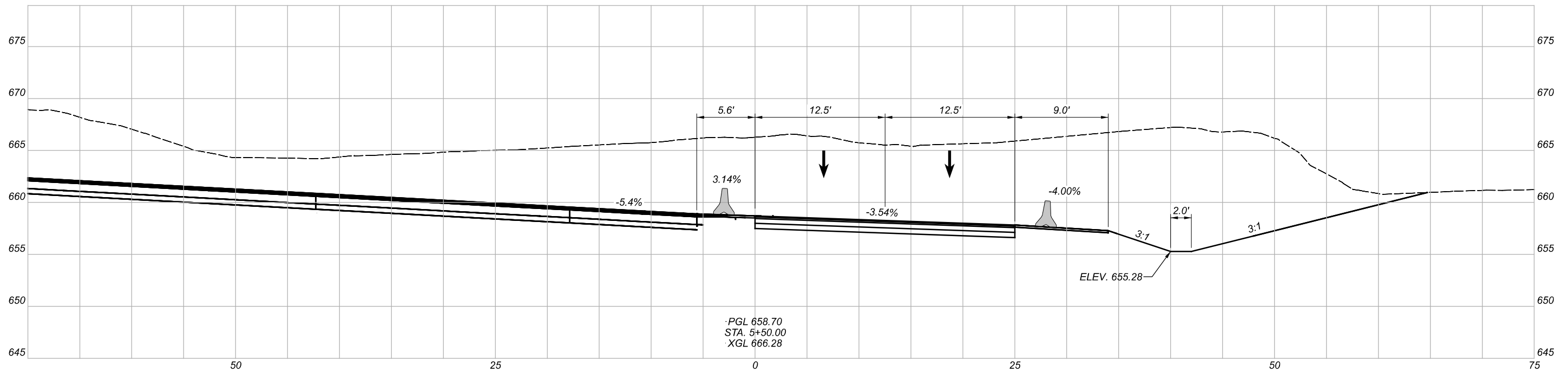
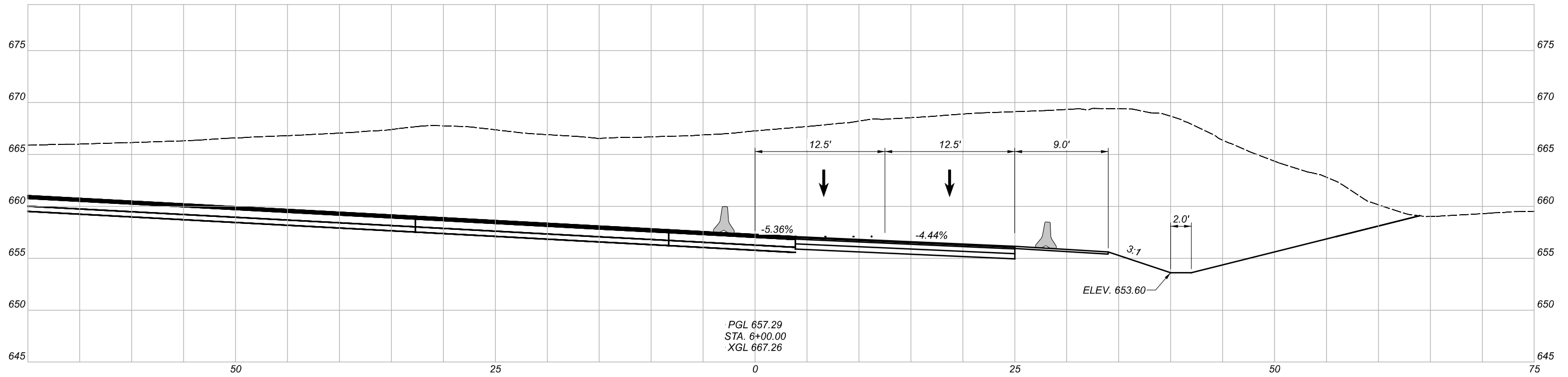
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB EAST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

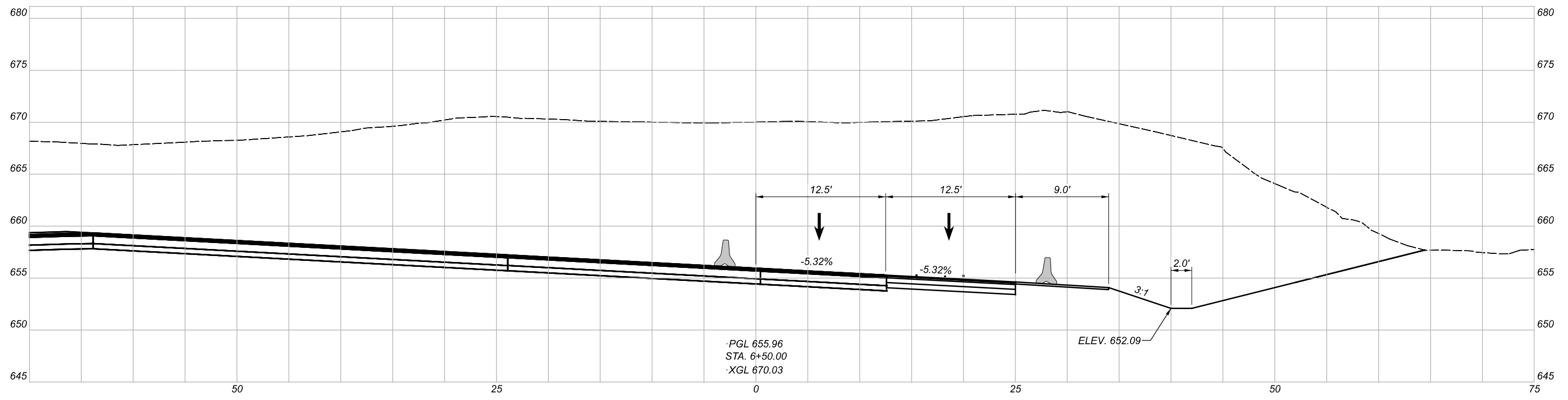
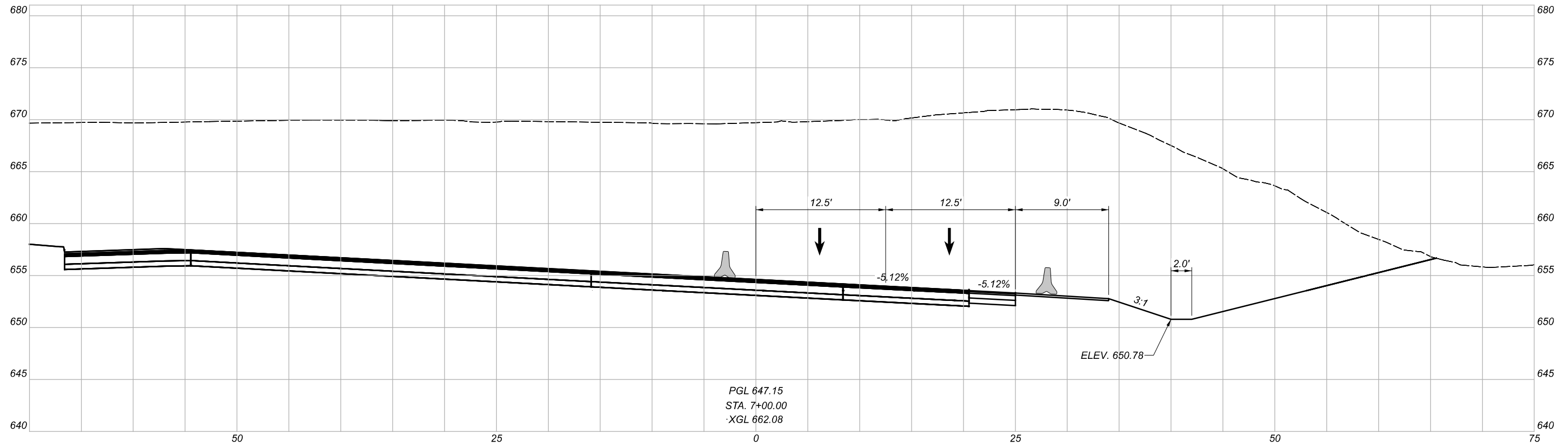
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB EAST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
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


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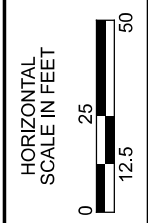
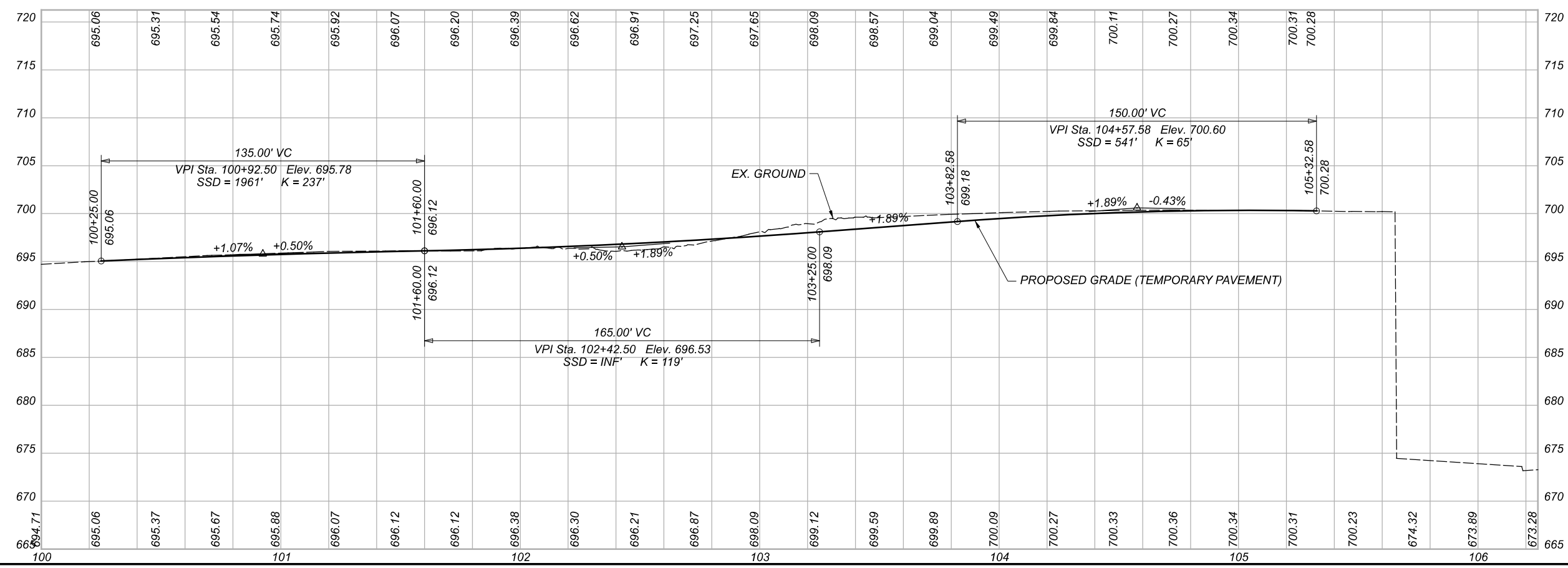
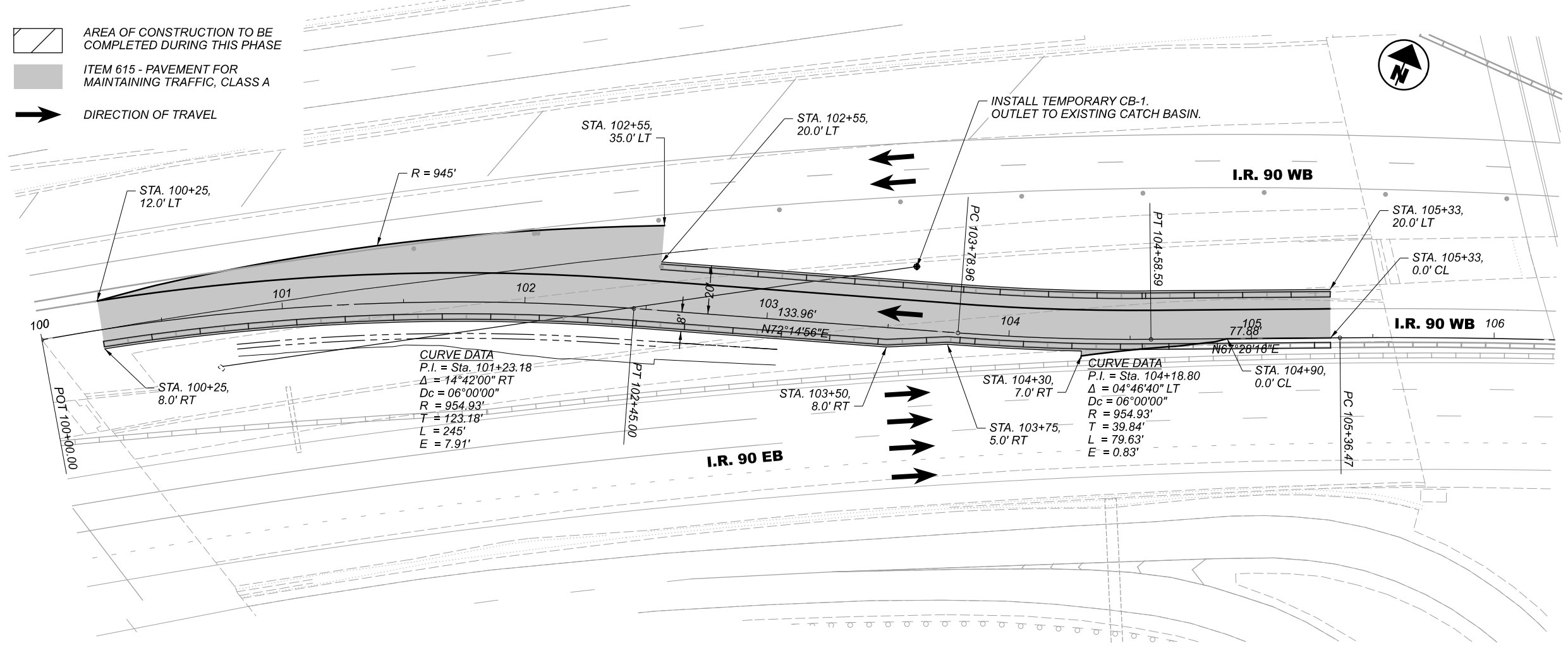
REVIEWER

PROJECT ID

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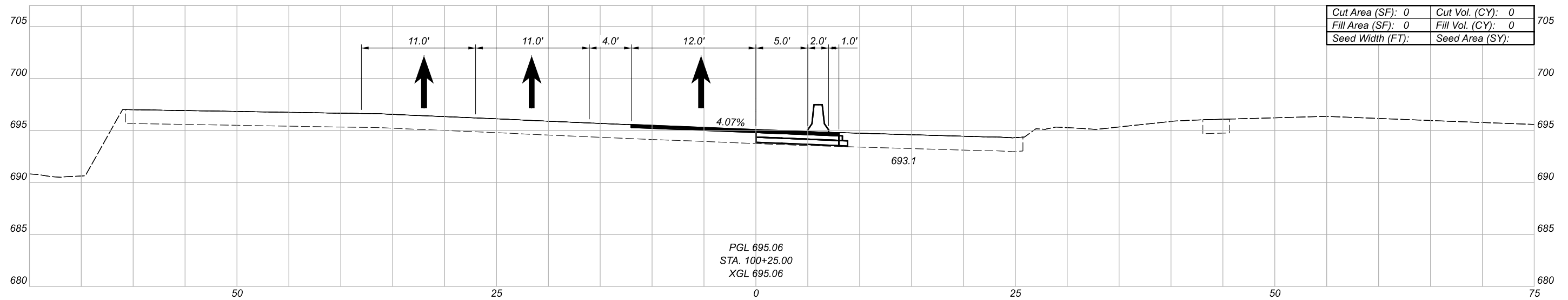
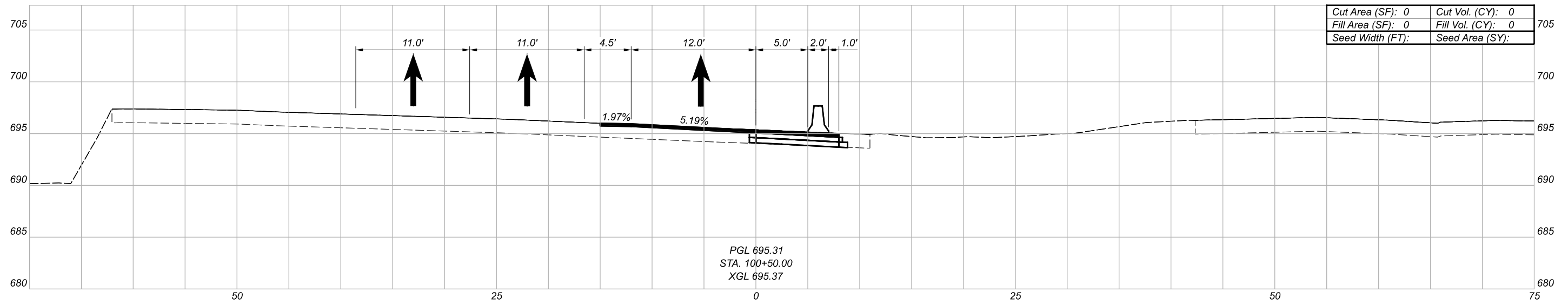
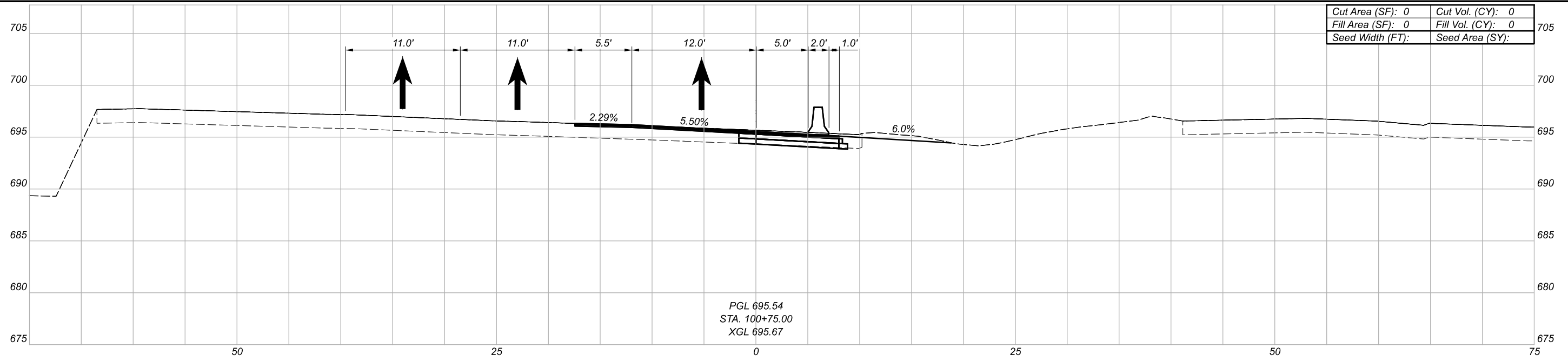
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Seeding	Cut	Fill		
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-  AREA OF CONSTRUCTION TO BE COMPLETED DURING THIS PHASE
-  ITEM 615 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
-  DIRECTION OF TRAVEL



MAINTENANCE OF TRAFFIC - PHASE 5
 PLAN & PROFILE - I.R. 90 WB WEST TEMPORARY CROSSOVER

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	175
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB WEST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

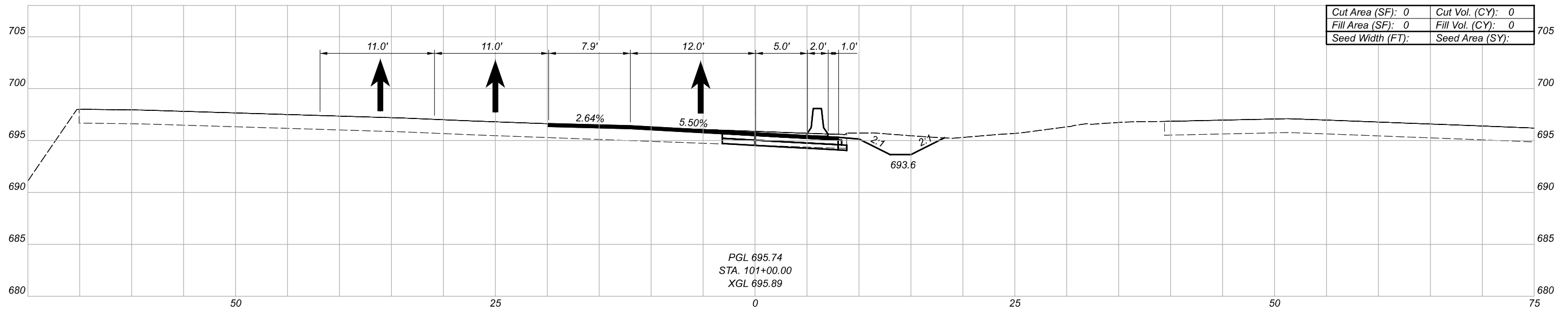
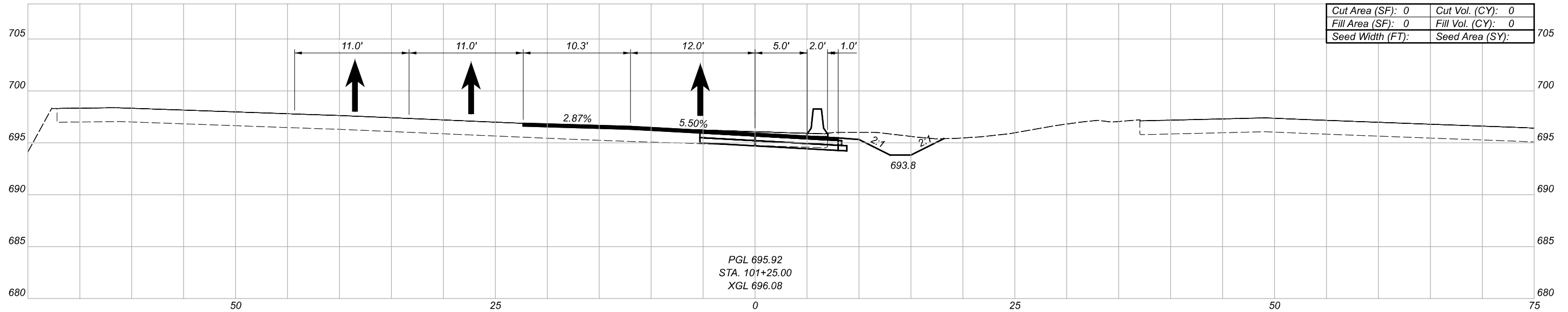
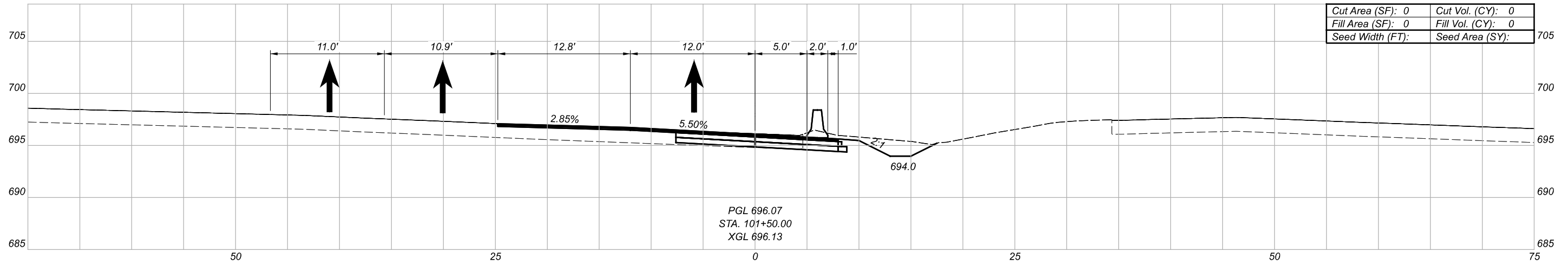
DESIGNER

REVIEWER

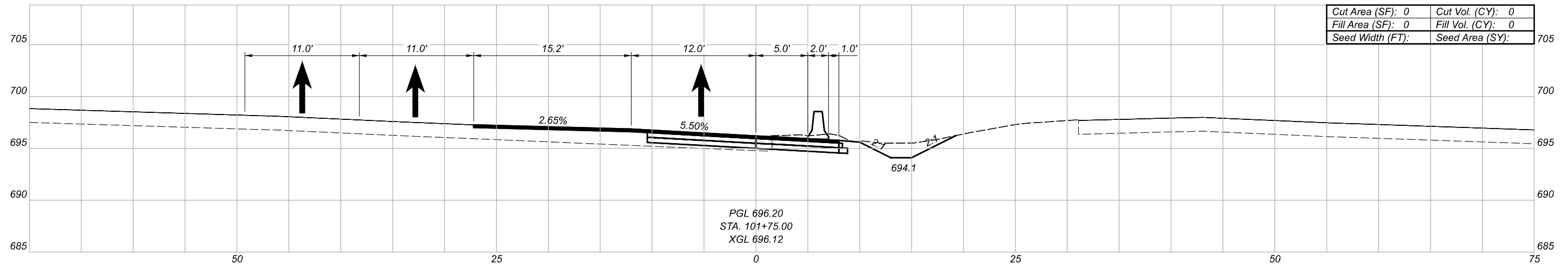
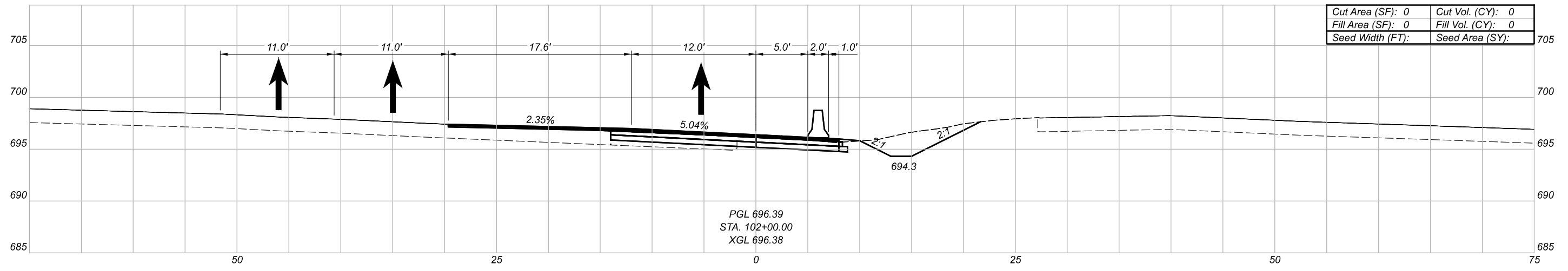
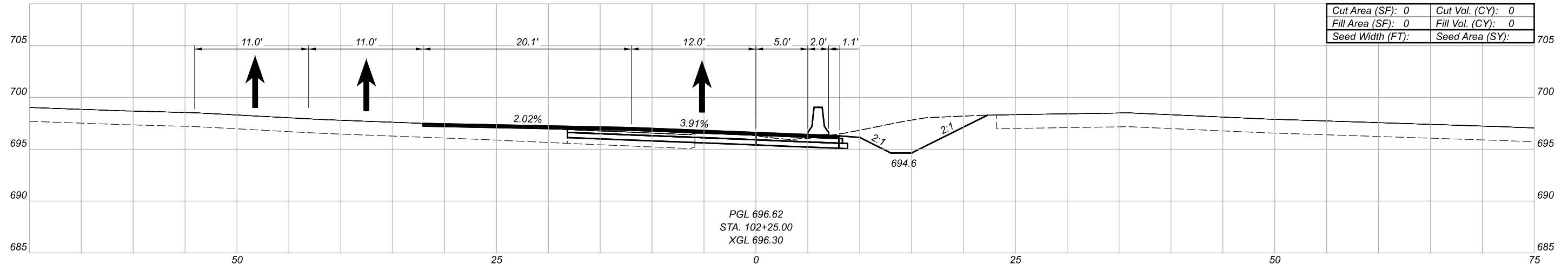
PROJECT ID

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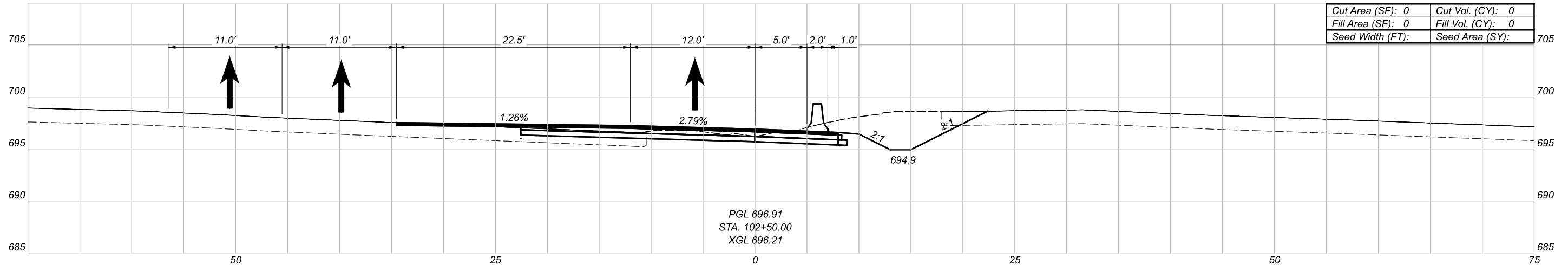
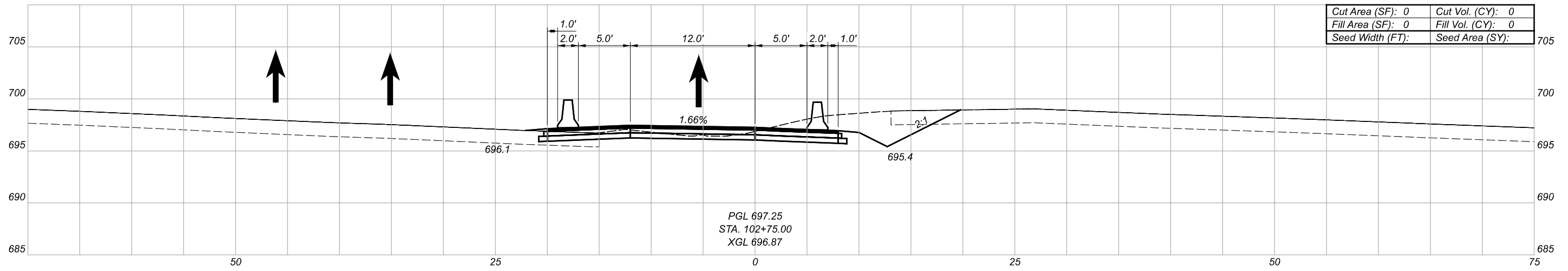
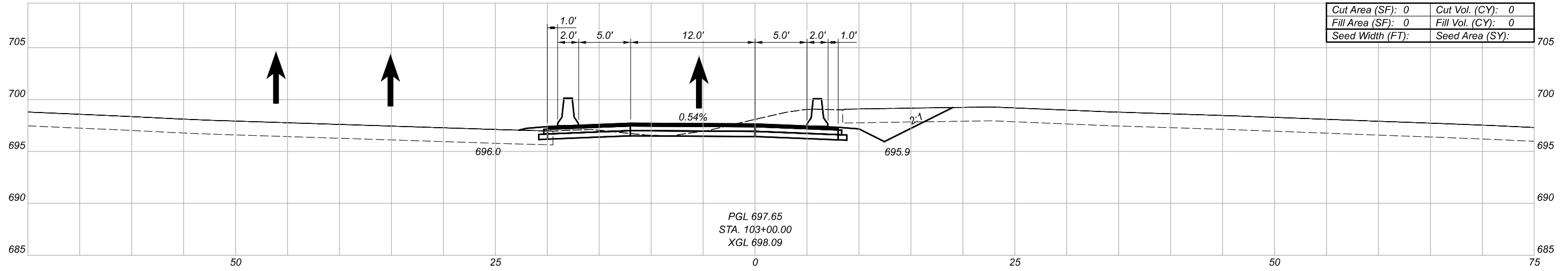
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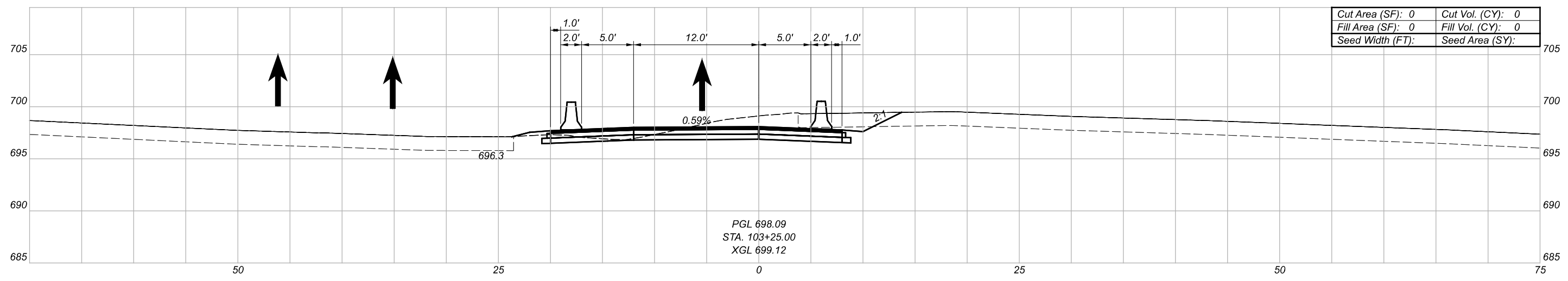
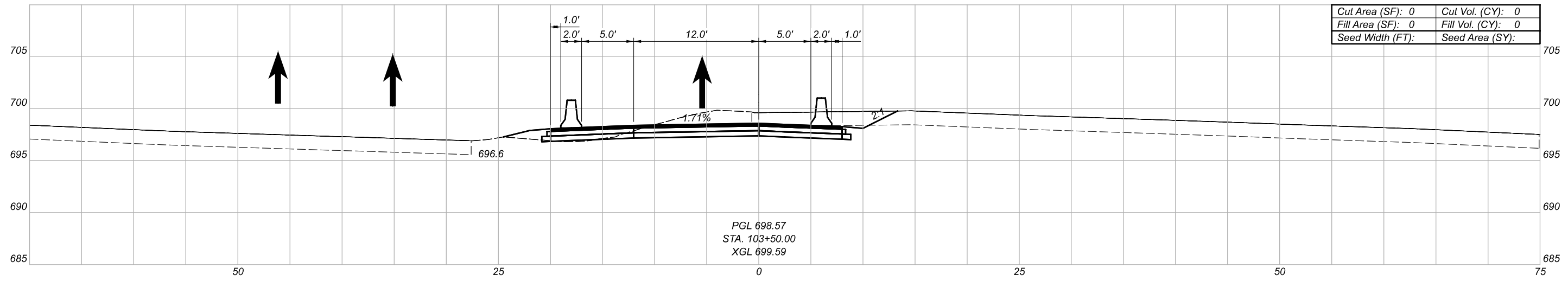
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB WEST TEMPORARY CROSSOVER

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
PROJECT ID	82382
SHEET	178
TOTAL	2339

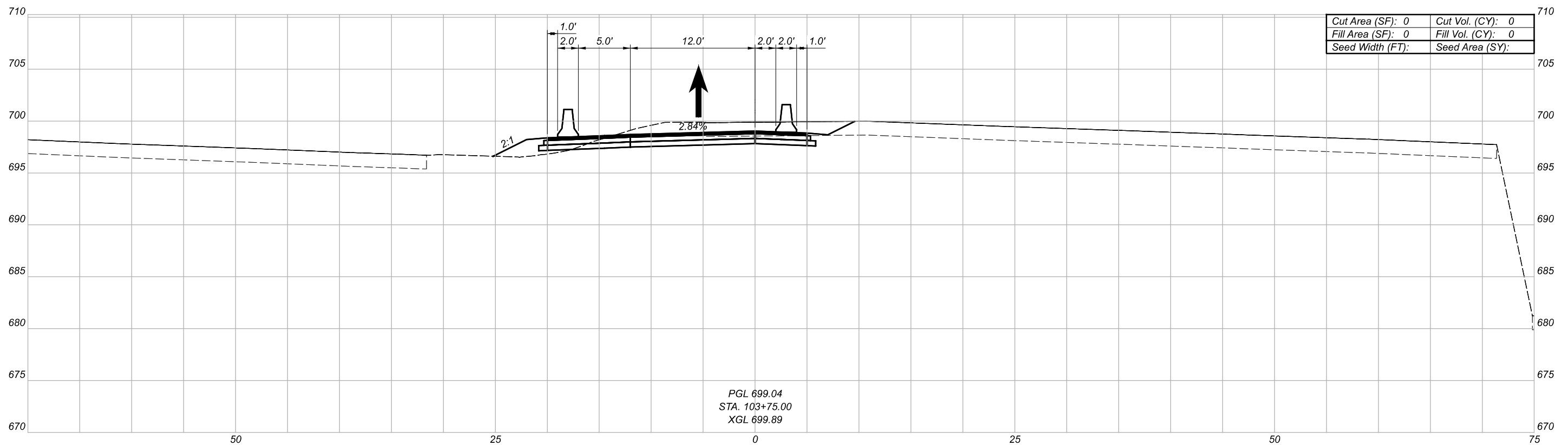
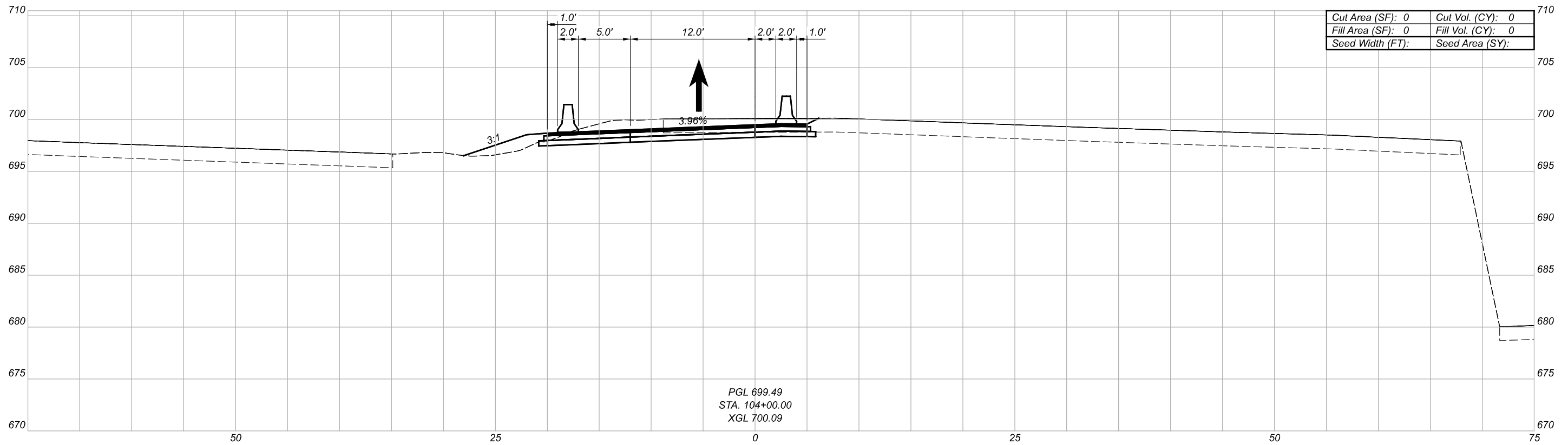


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Sheet Totals			PROJECT ID	
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DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
PROJECT ID	82382



MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB WEST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

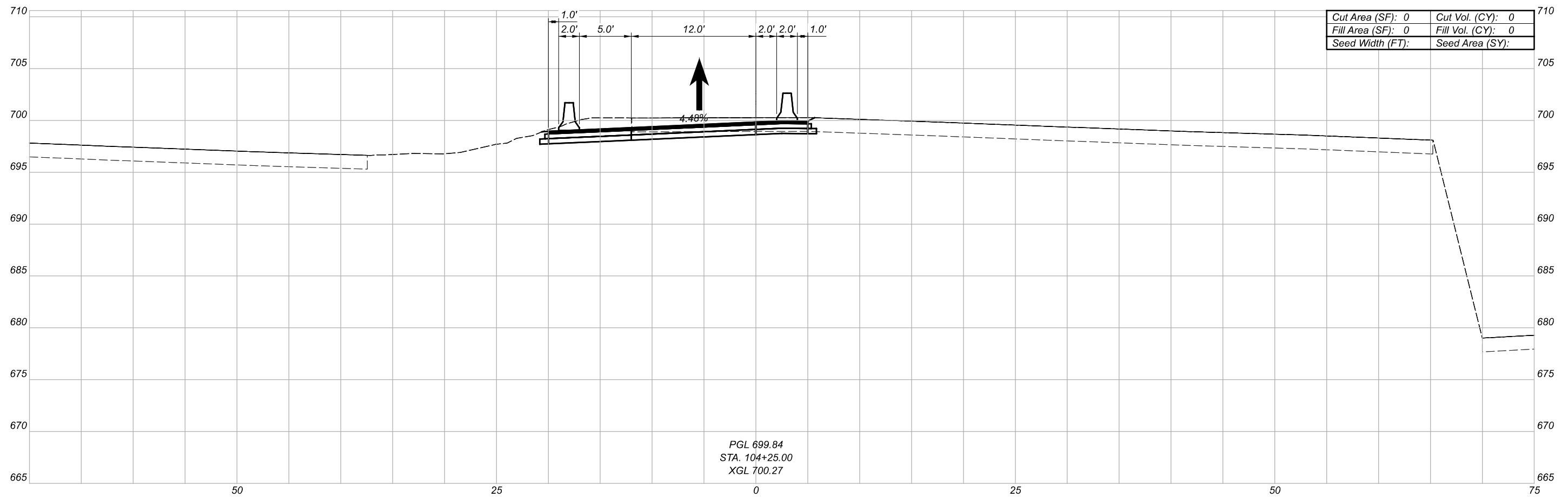
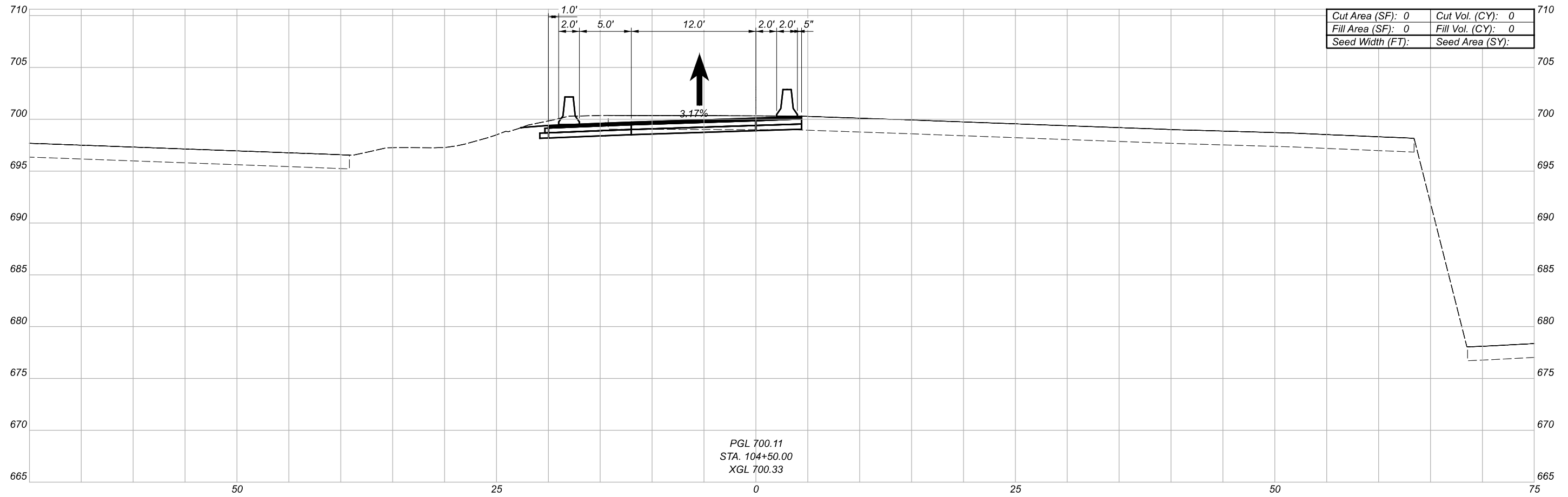
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REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB WEST TEMPORARY CROSSOVER

DESIGN AGENCY

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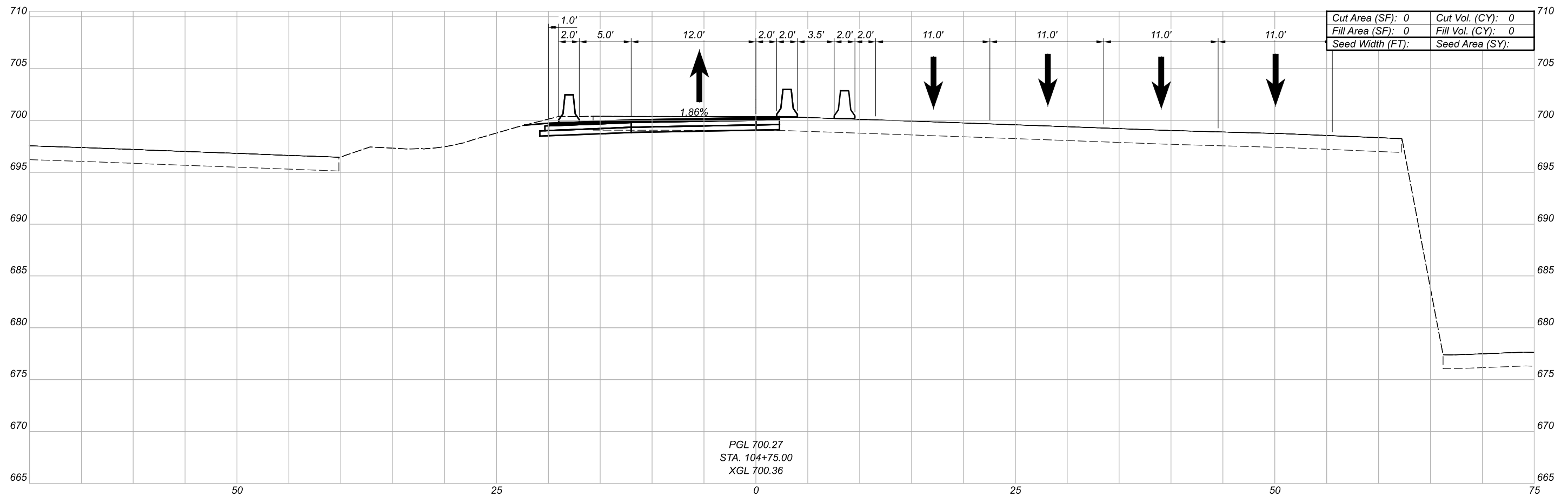
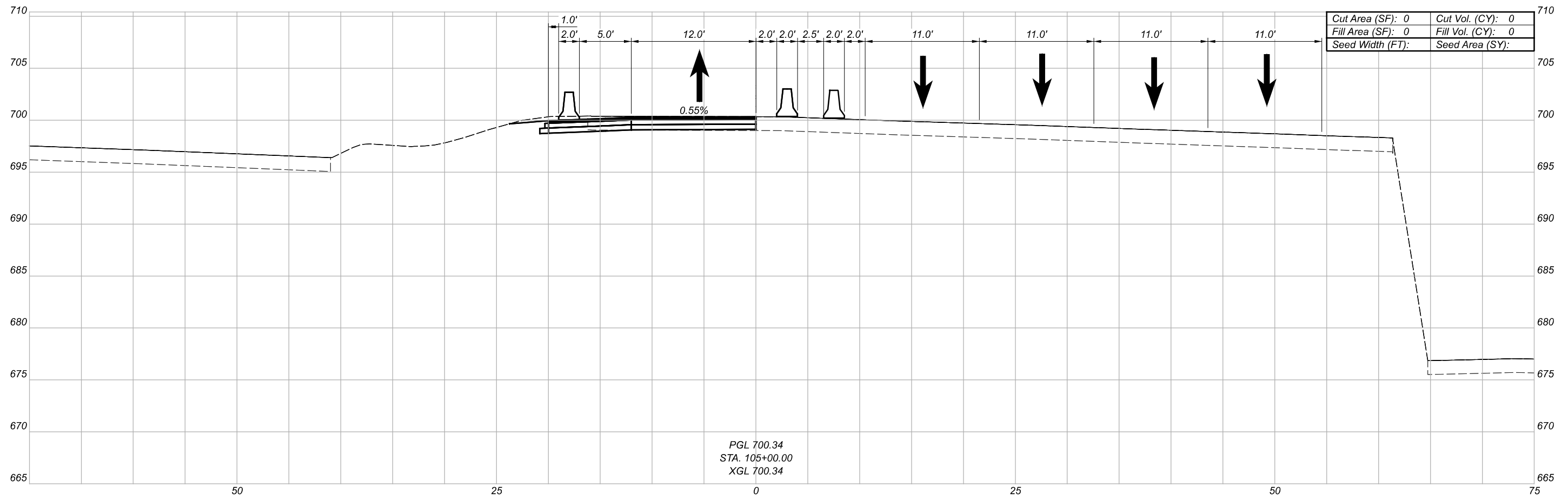
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PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
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MAINTENANCE OF TRAFFIC - PHASE 5
 CROSS SECTIONS - I.R. 90 WB WEST TEMPORARY CROSSOVER

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

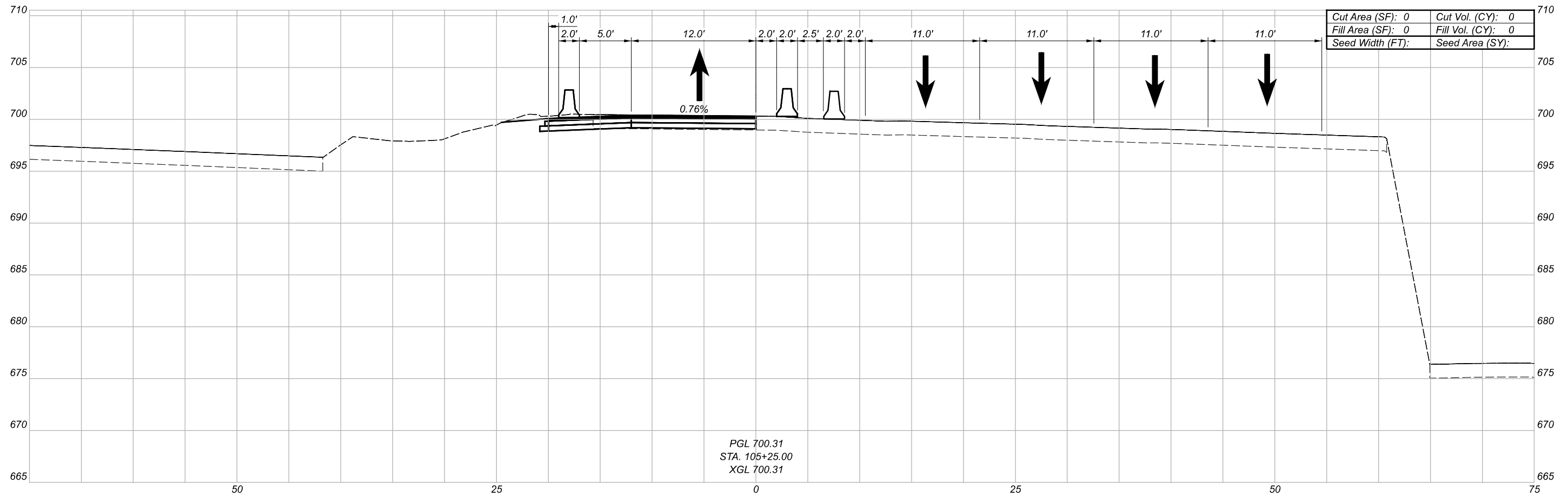
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	183	2339

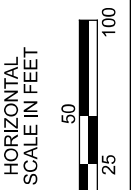
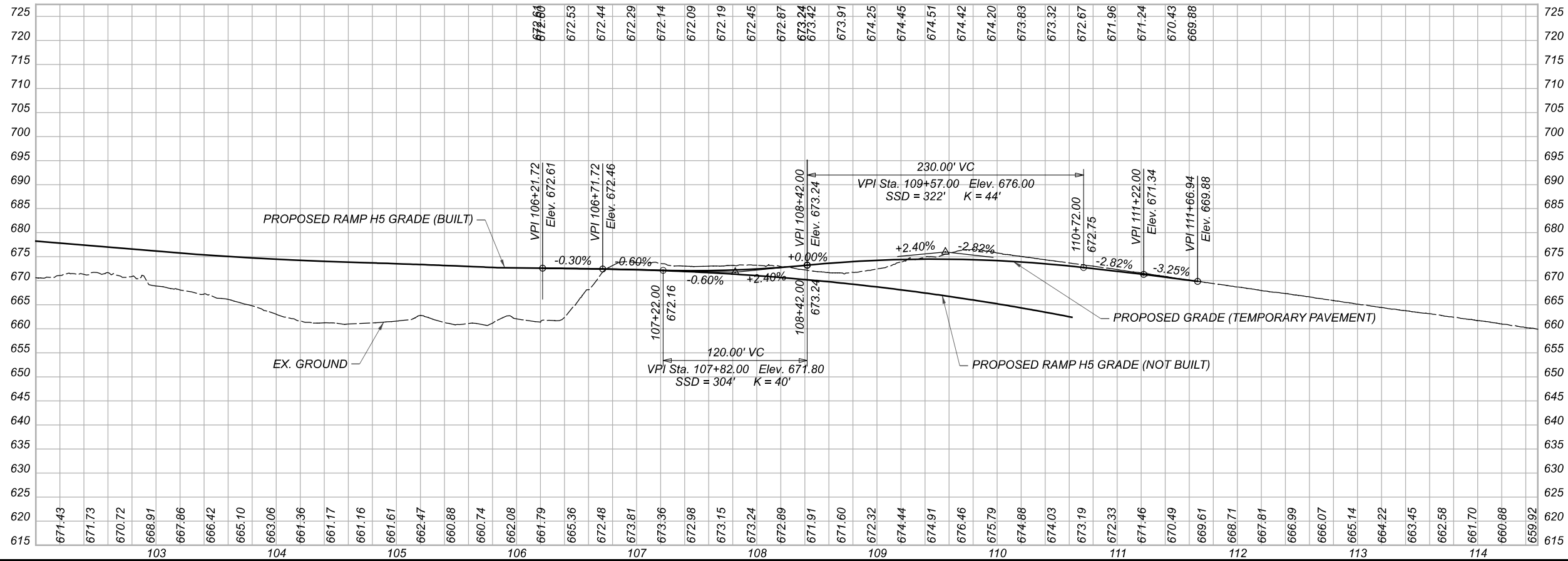
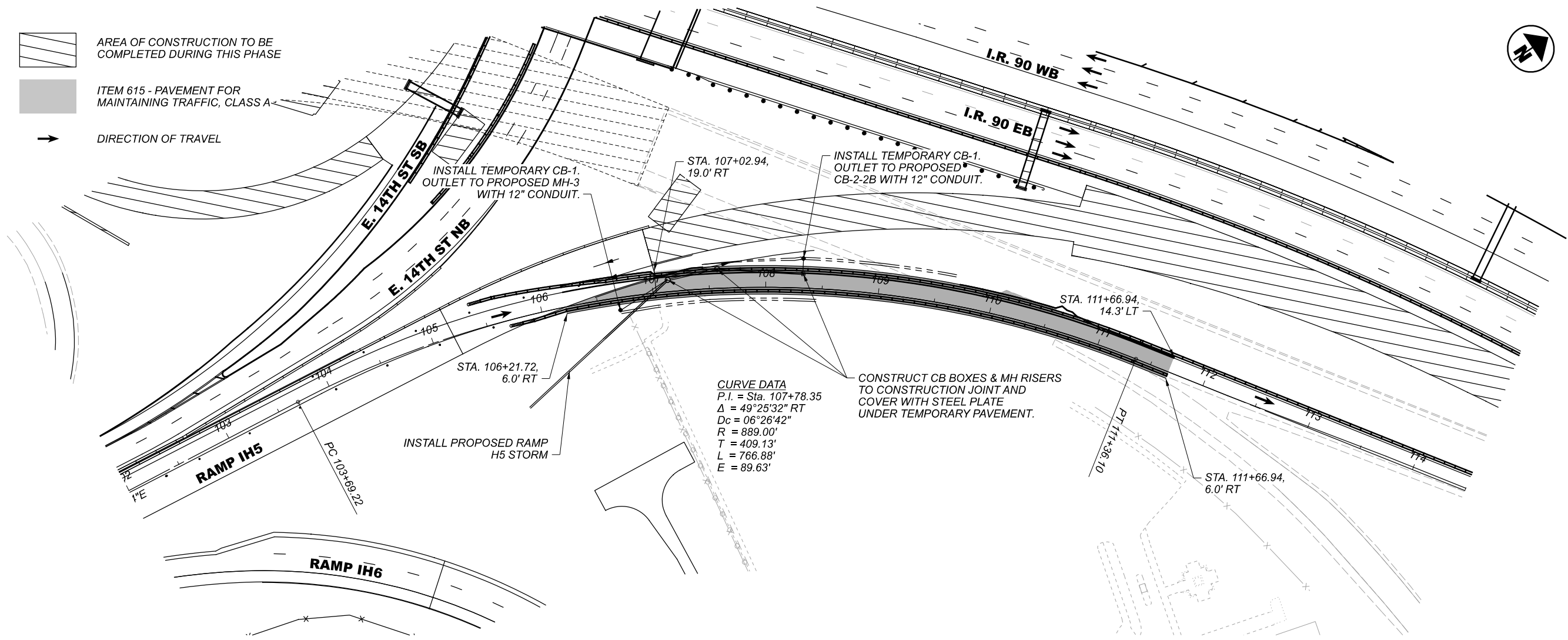
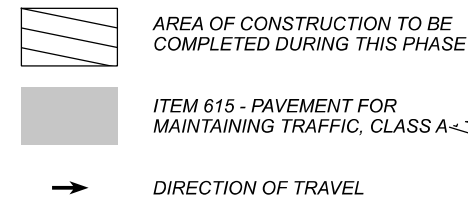


PGL 700.31
 STA. 105+25.00
 XGL 700.31

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Fill Area (SF): 0	Fill Vol. (CY): 0
Seed Width (FT):	Seed Area (SY):

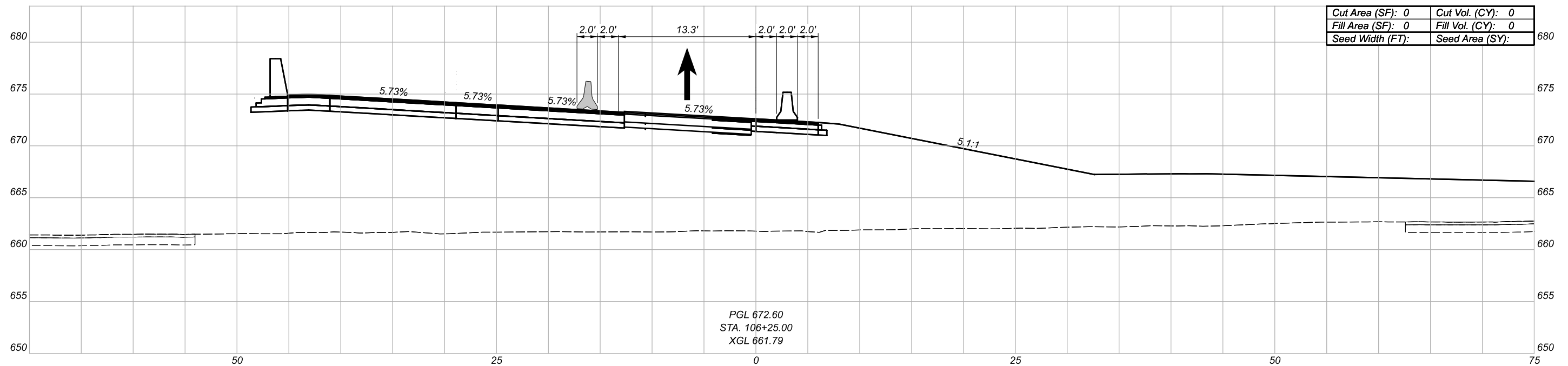
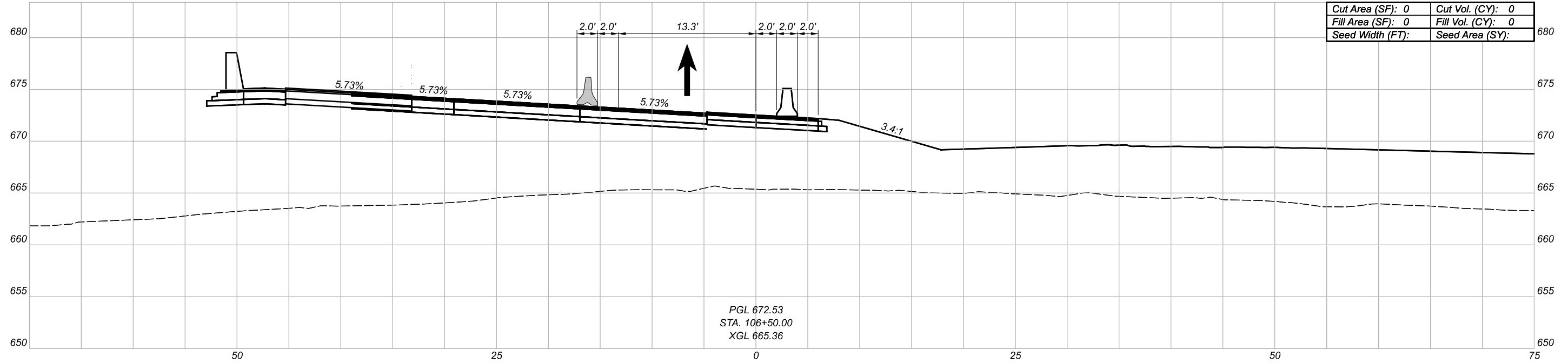
Sheet Totals		
Seeding	Cut	Fill
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DESIGN AGENCY	82382
DESIGNER	---
REVIEWER	---
PROJECT ID	82382
SHEET	TOTAL
184	2339



MAINTENANCE OF TRAFFIC - PHASE 9
 PLAN & PROFILE - RAMP H5 TEMPORARY I.R. 90 EB CONNECTION

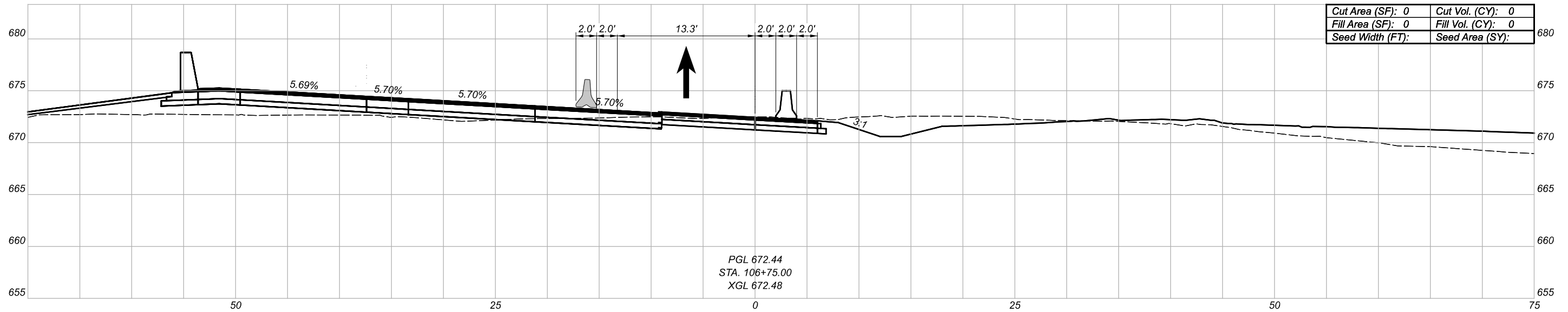
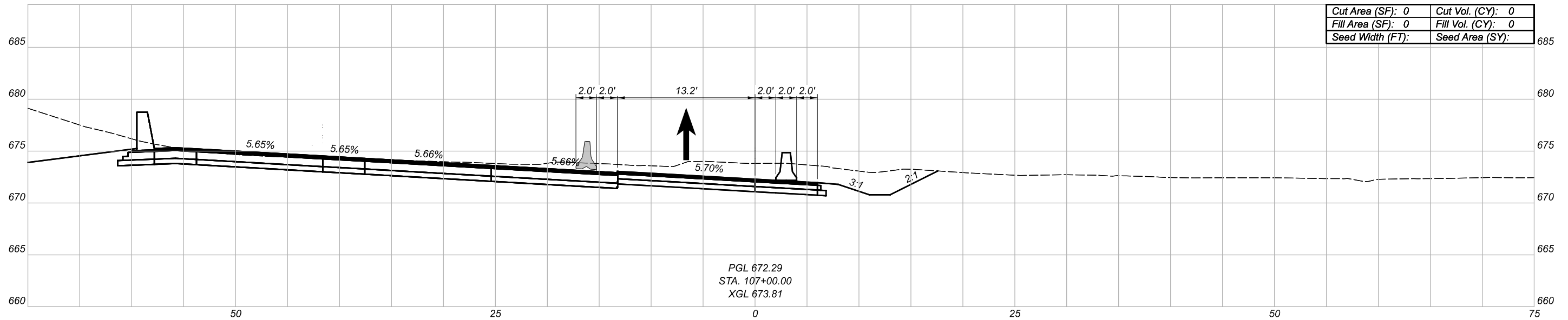
DESIGN AGENCY	
DESIGNER	Michael Baker INTERNATIONAL
REVIEWER	
PROJECT ID	82382
SHEET	185
TOTAL	2339



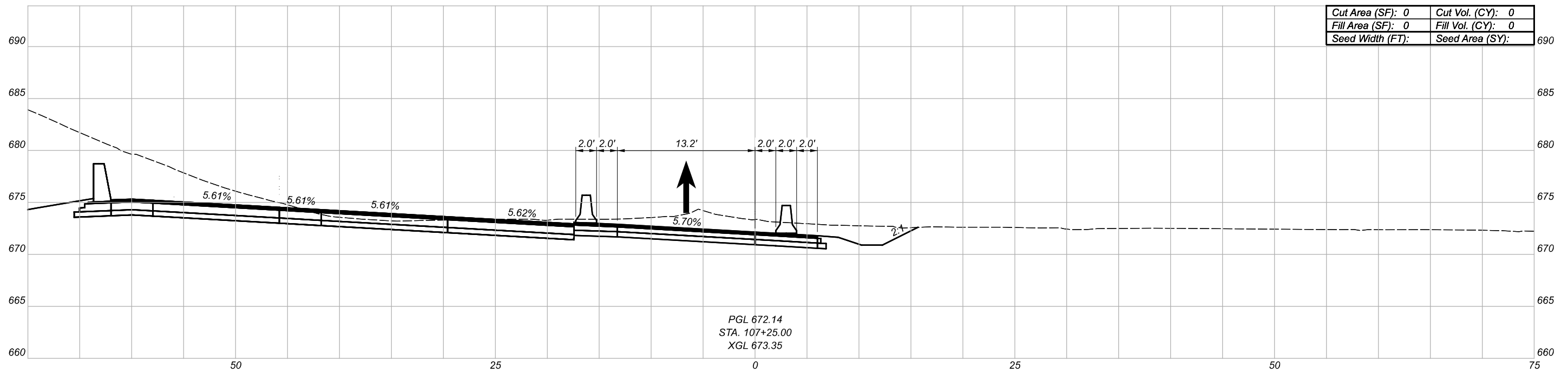
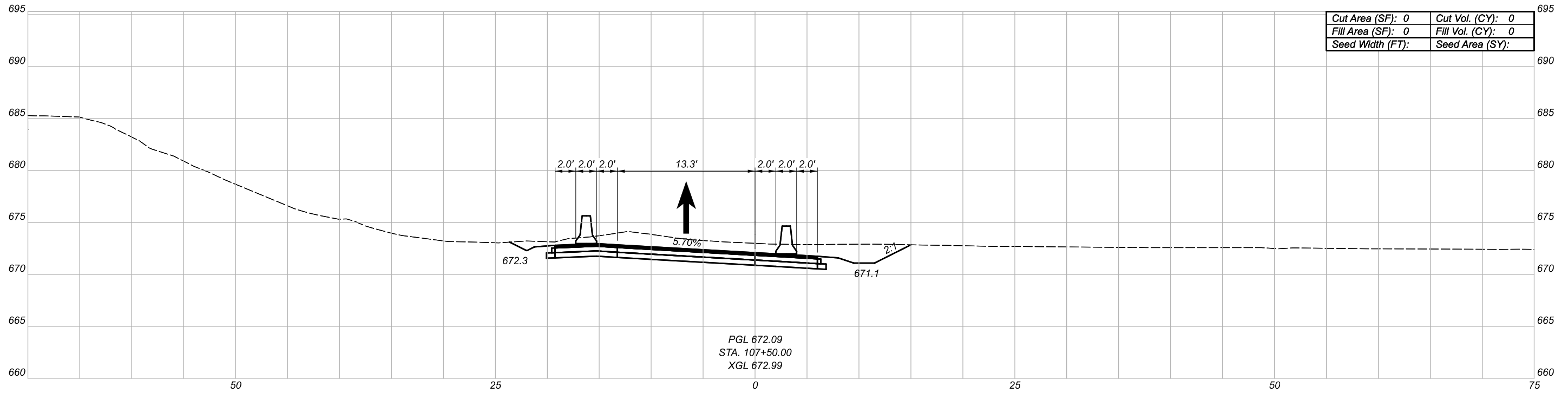
Sheet Totals		
Seeding	Cut	Fill
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MAINTENANCE OF TRAFFIC - PHASE 9
 CROSS SECTIONS - RAMP H5 TEMPORARY I.R. 90 EB CONNECTION

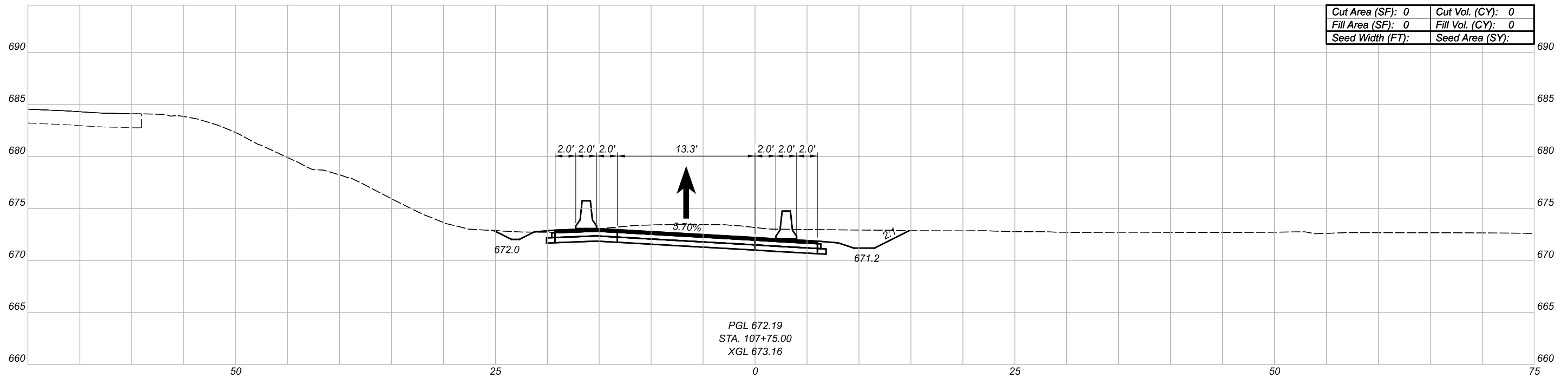
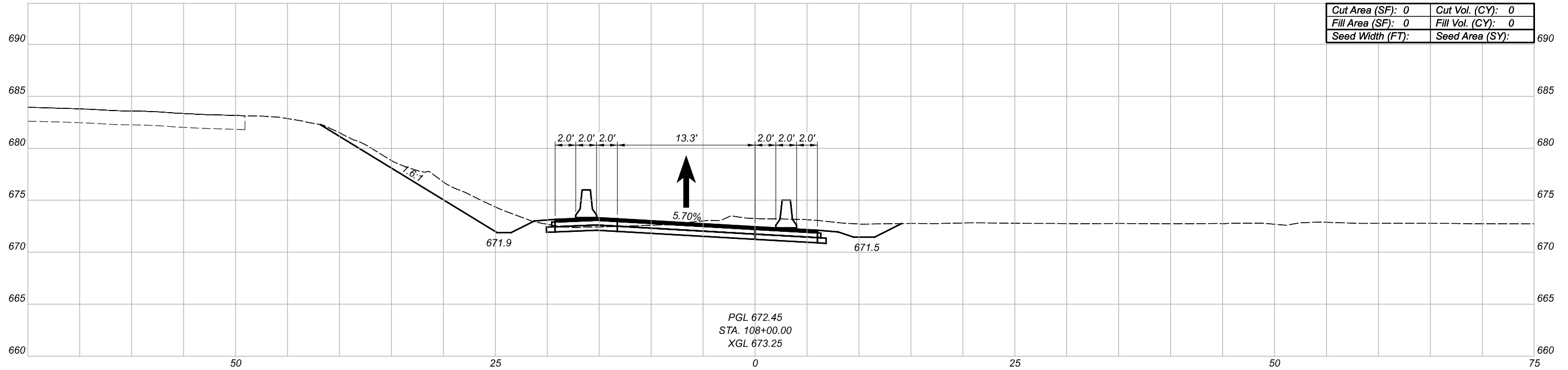
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
PROJECT ID	82382
SHEET	TOTAL
186	2339



Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill	187	2339



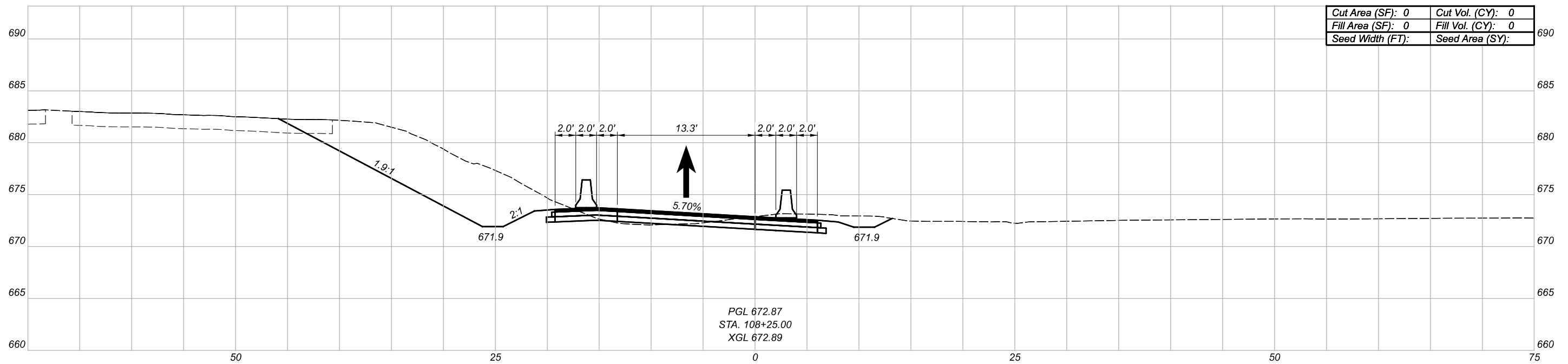
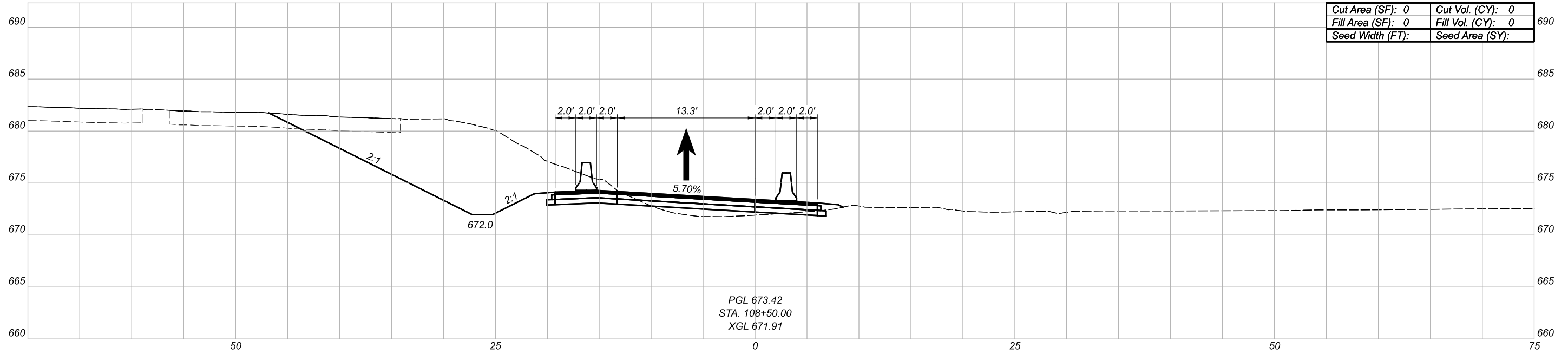
Sheet Totals		
Seeding	Cut	Fill
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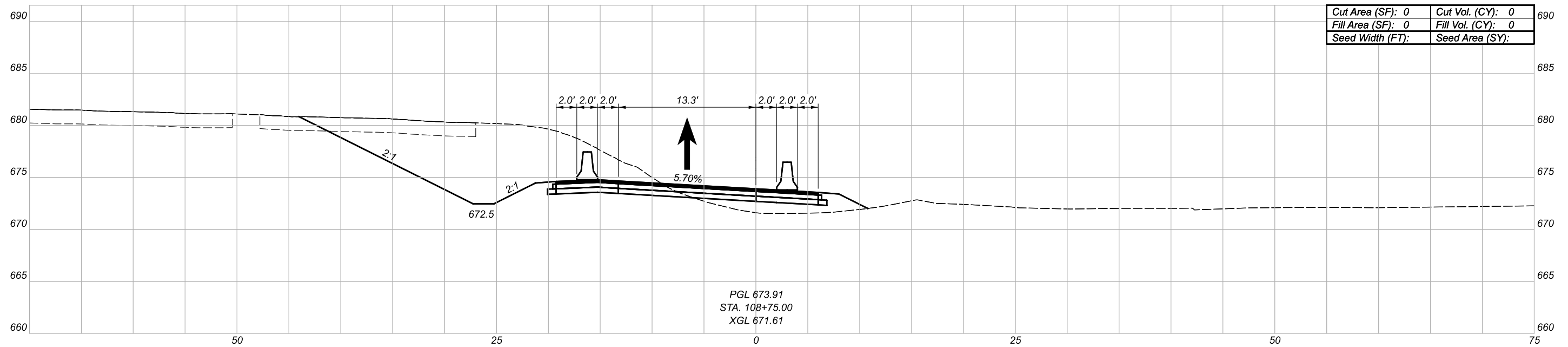
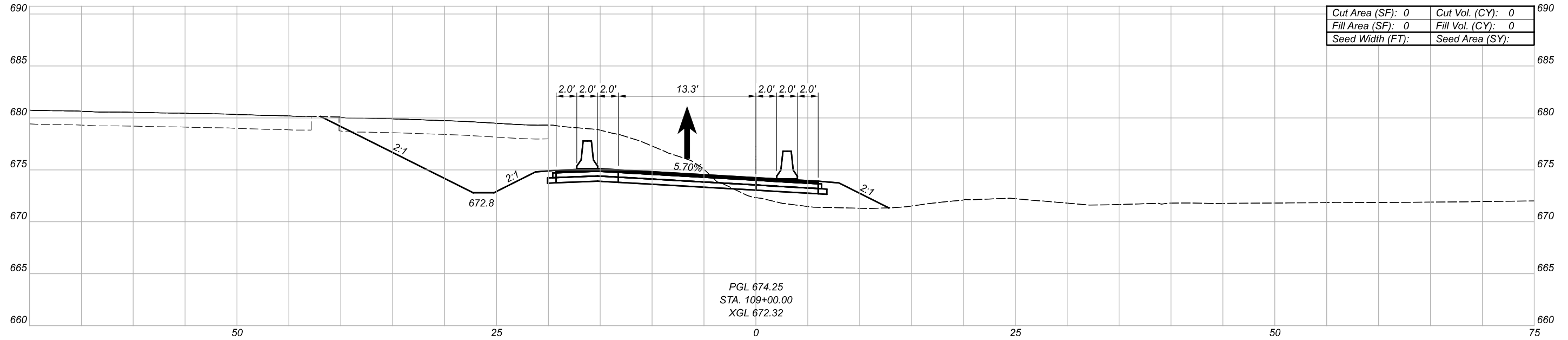
Sheet Totals		
Seeding	Cut	Fill
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MAINTENANCE OF TRAFFIC - PHASE 9
 CROSS SECTIONS - RAMP H5 TEMPORARY I.R. 90 EB CONNECTION

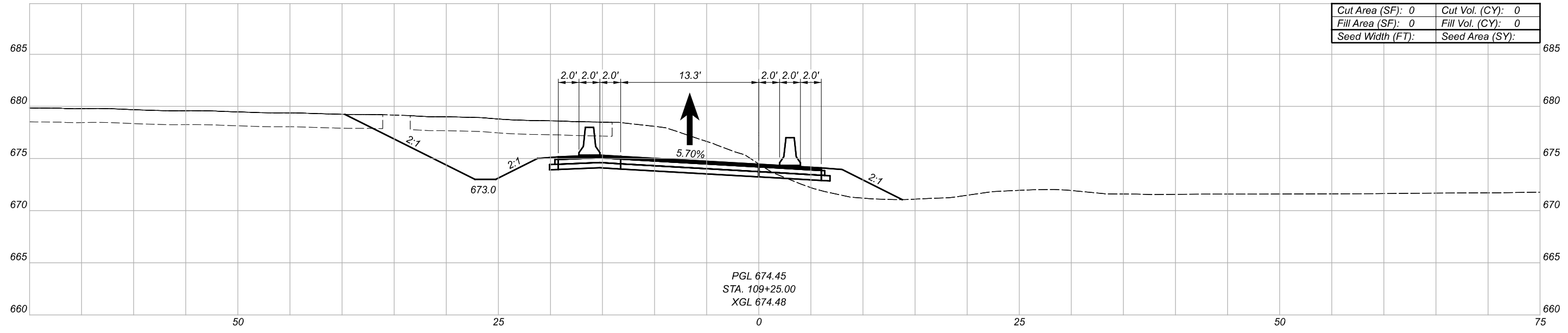
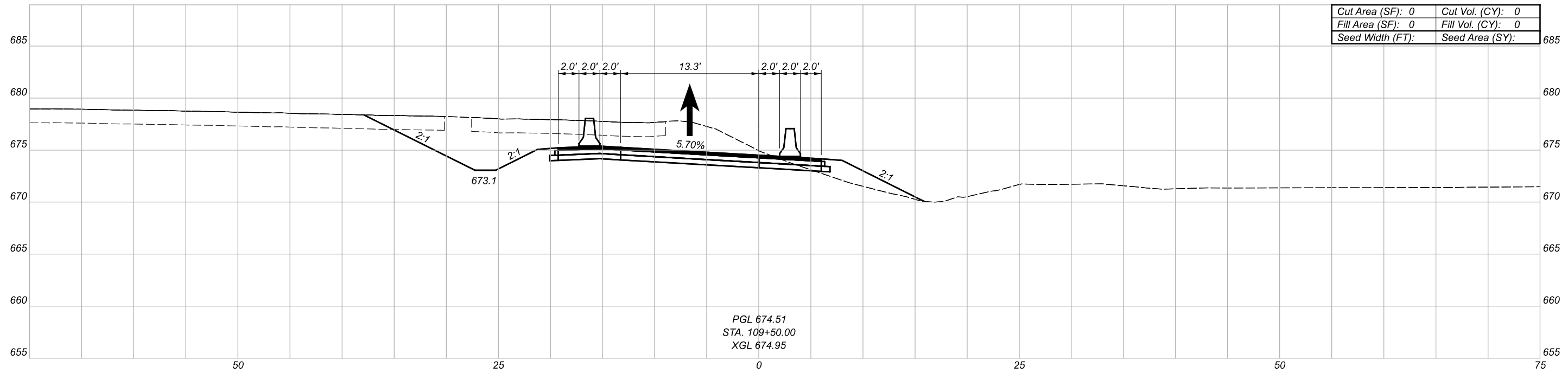
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
PROJECT ID	82382
SHEET	TOTAL
189	2339



Sheet Totals			PROJECT ID	
Seeding	Cut	Fill	SHEET	TOTAL
.	.	.	190	2339

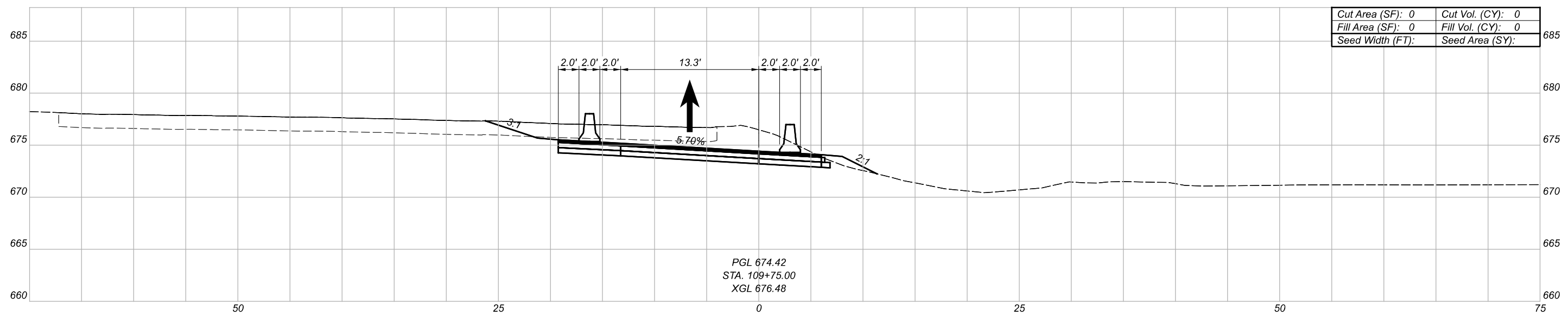
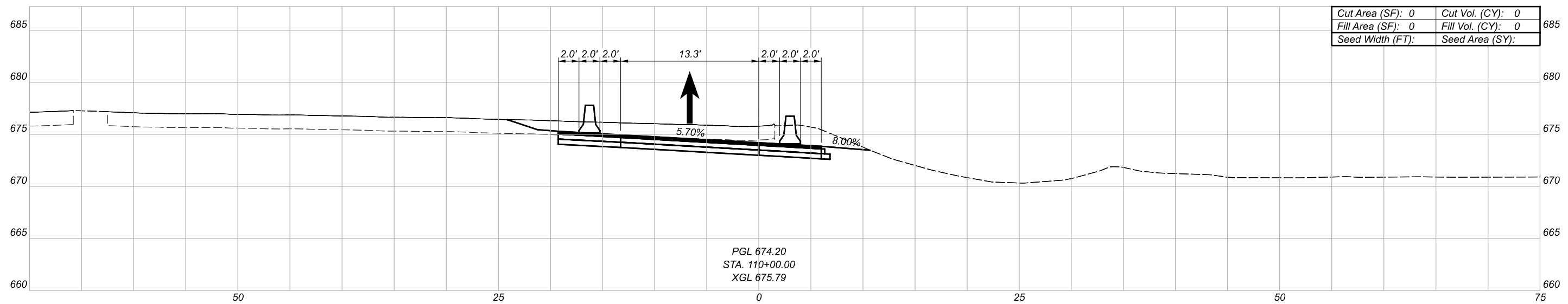
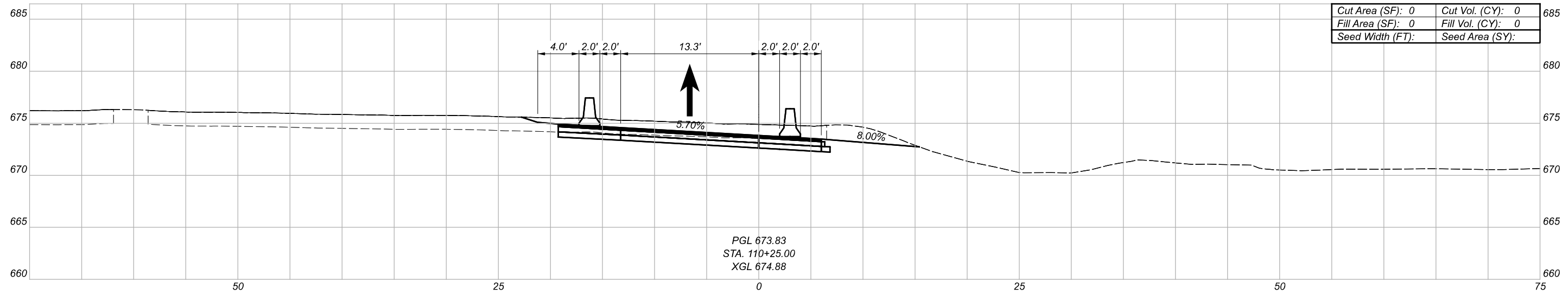


Sheet Totals		
Seeding	Cut	Fill
.	.	.



Sheet Totals		
Seeding	Cut	Fill
.	.	.

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
PROJECT ID	82382
SHEET	TOTAL
192	2339



MAINTENANCE OF TRAFFIC - PHASE 9
 CROSS SECTIONS - RAMP H5 TEMPORARY I.R. 90 EB CONNECTION

DESIGN AGENCY

Michael Baker
INTERNATIONAL

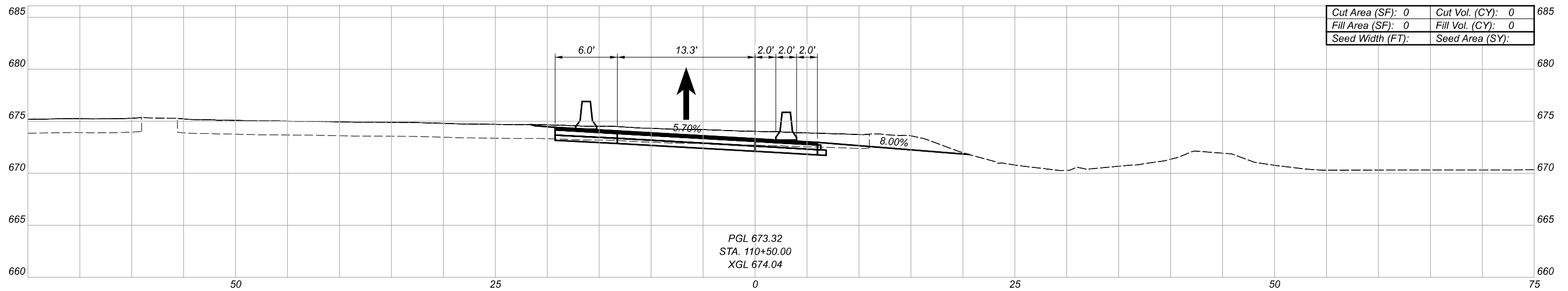
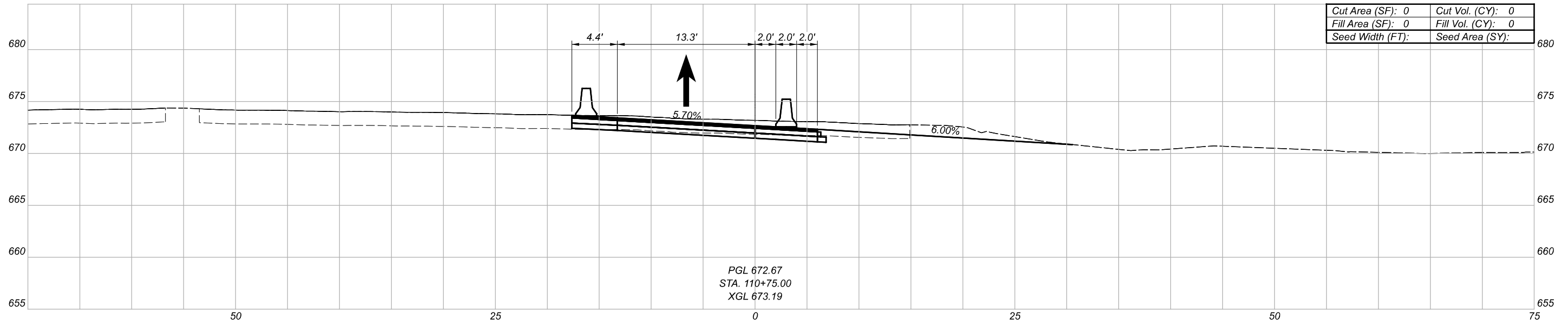
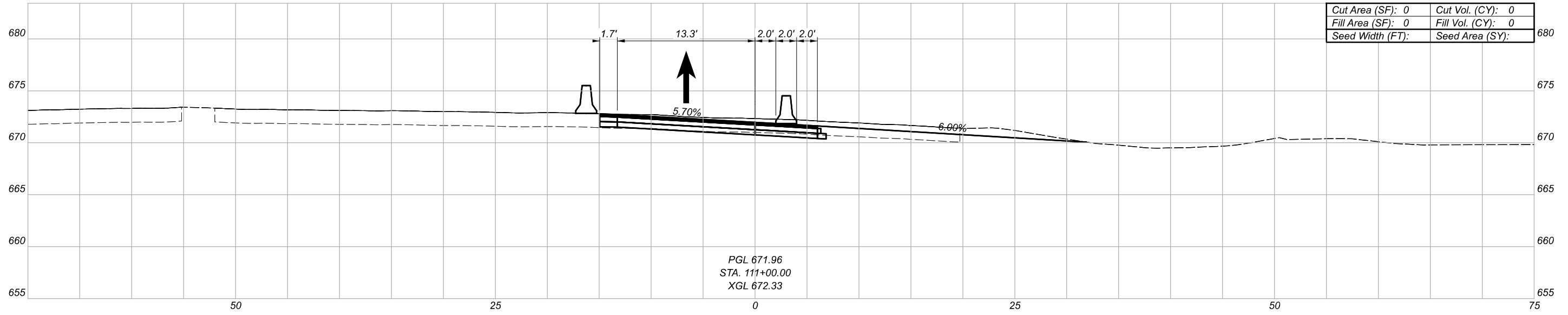
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	193	2339



MAINTENANCE OF TRAFFIC - PHASE 9
 CROSS SECTIONS - RAMP H5 TEMPORARY I.R. 90 EB CONNECTION

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

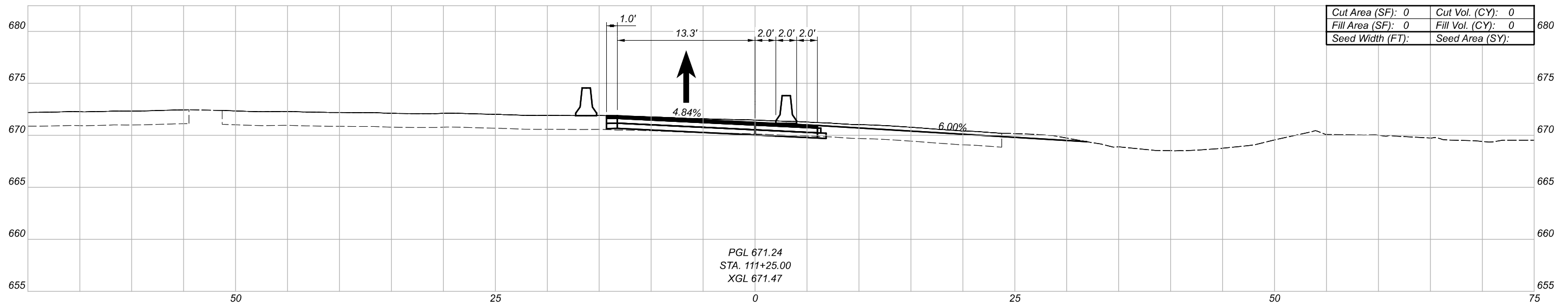
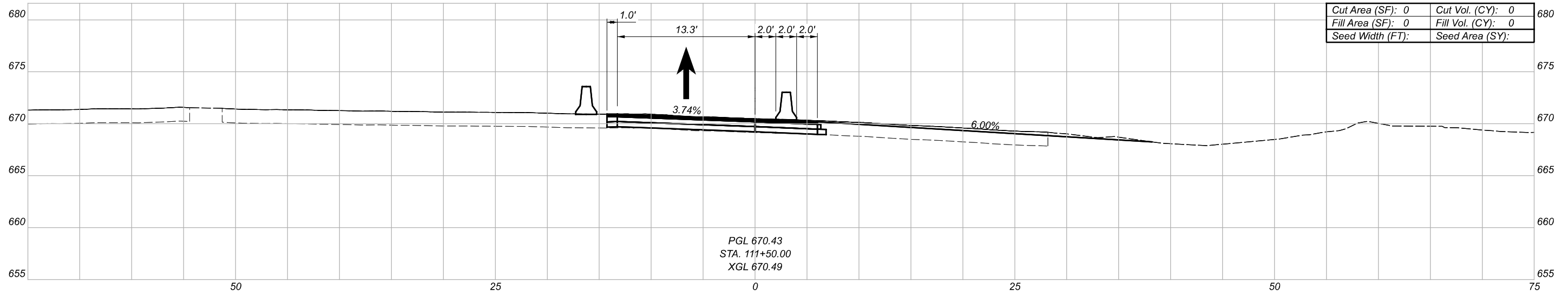
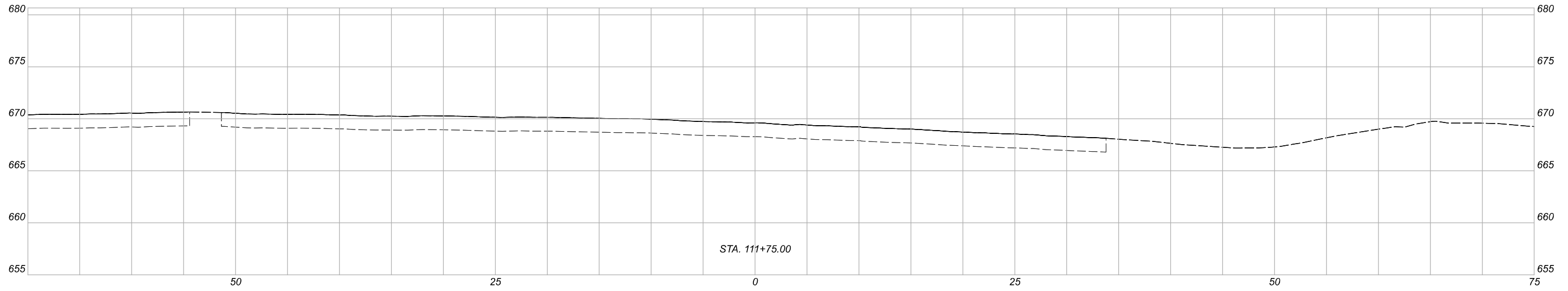
DESIGNER

REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	194	2339



MAINTENANCE OF TRAFFIC - PHASE 9
 CROSS SECTIONS - RAMP H5 TEMPORARY I.R. 90 EB CONNECTION

DESIGN AGENCY

Michael Baker
 INTERNATIONAL





DESIGNER

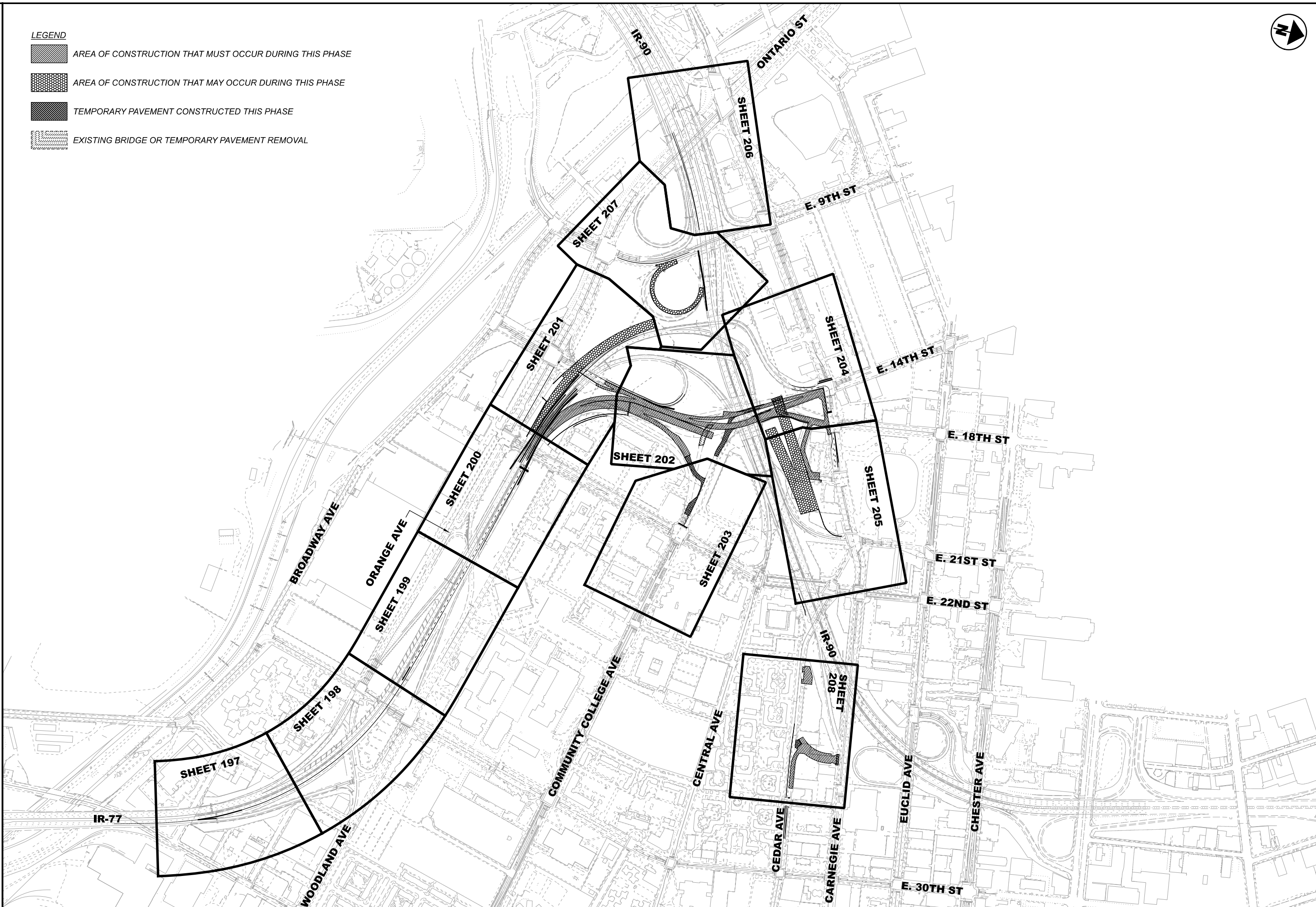
REVIEWER

PROJECT ID

82382

Sheet Totals			SHEET	TOTAL
Seeding	Cut	Fill		
.	.	.	195	2339

- LEGEND**
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 -  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 -  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 -  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL



MAINTENANCE OF TRAFFIC - PHASE 1
 PLAN SHEET KEY

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
 82382

SHEET	TOTAL
196	2339

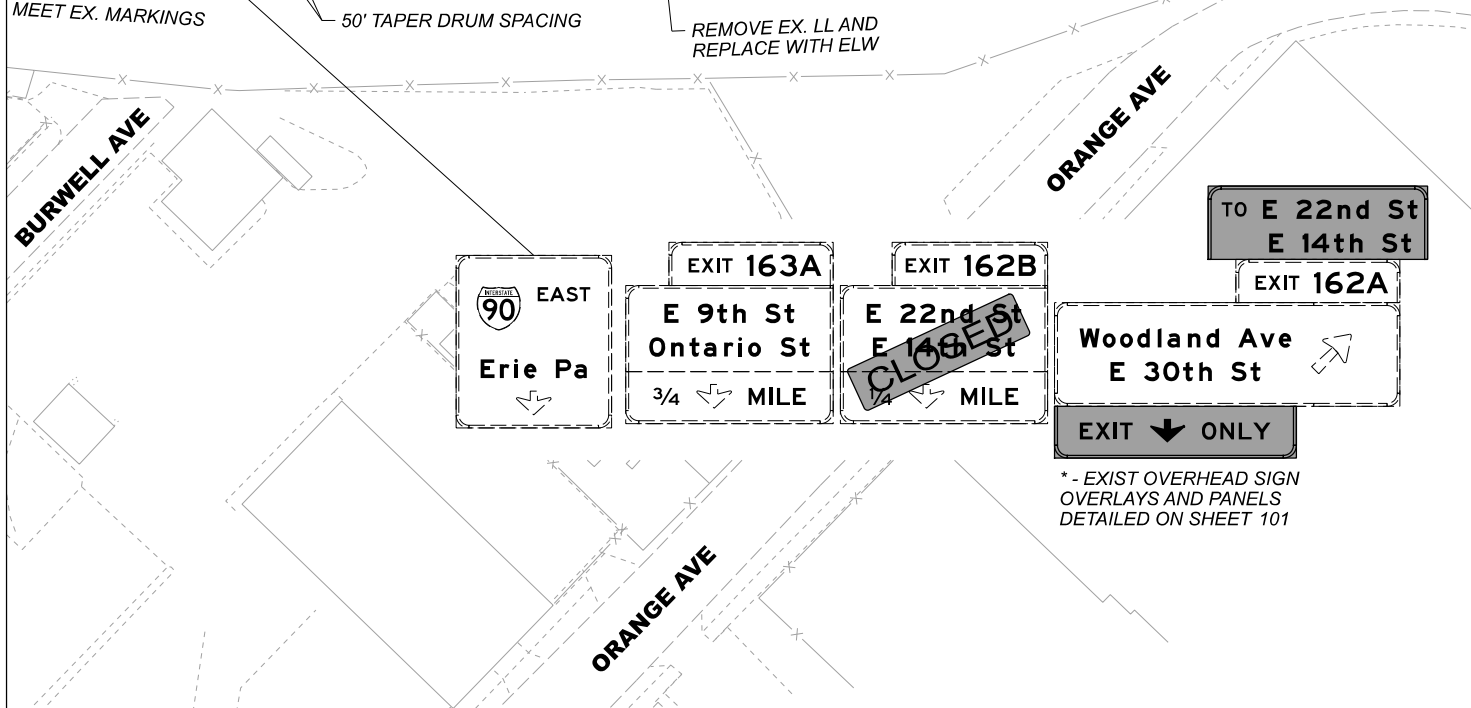
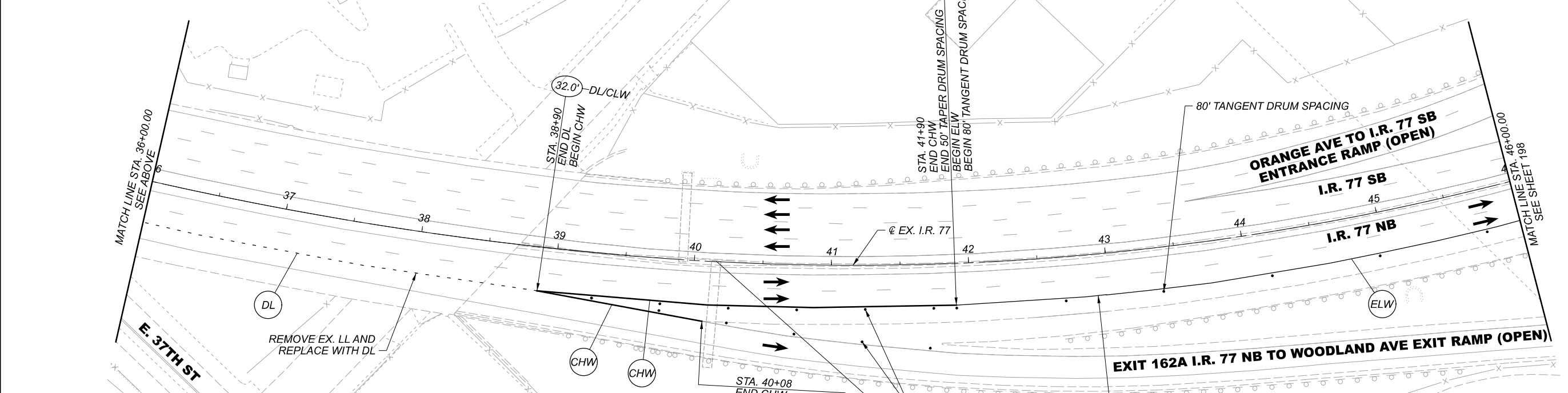
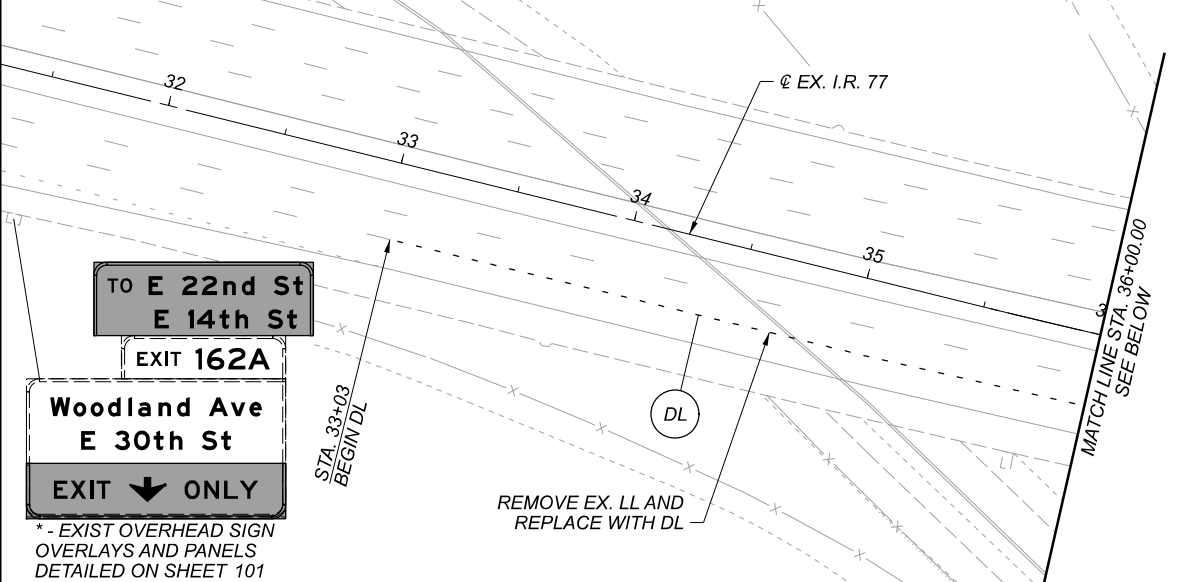
* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



TO E 22nd St
E 14th St
EXIT 162A
Woodland Ave
E 30th St
EXIT ONLY

* - EXIST OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 101

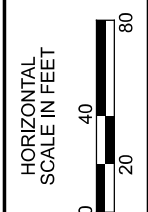
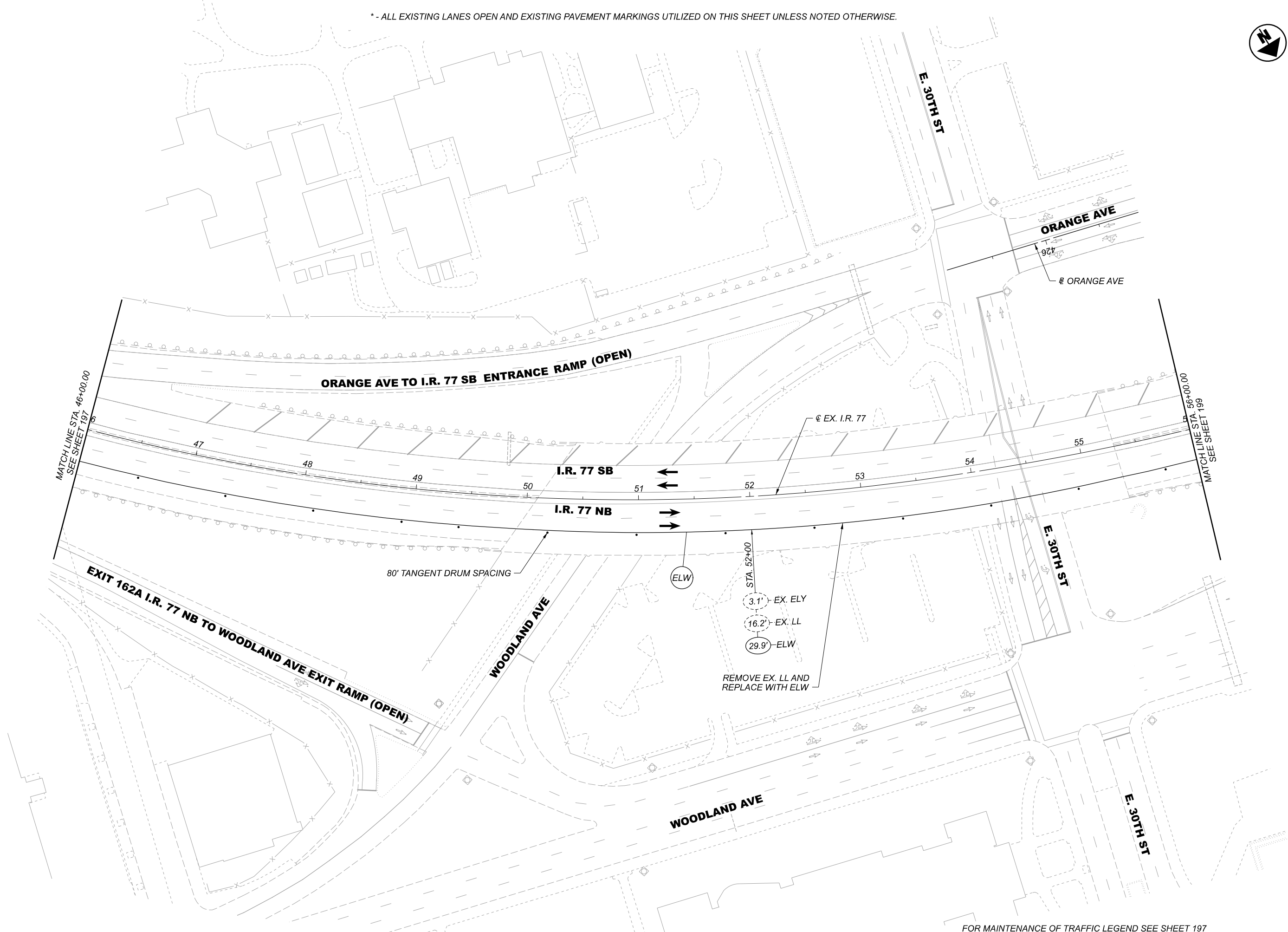
MAINTENANCE OF TRAFFIC LEGEND	
	- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
	- AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
	- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
	- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
	- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
	- DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
	- OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
	- OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
	- WORK ZONE EDGE LINE (WHITE), CLASS I
	- WORK ZONE EDGE LINE (YELLOW), CLASS I
	- WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
	- WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
	- WORK ZONE DOTTED LINE, CLASS I
	- WORK ZONE LANE LINE, CLASS I
	- WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
	- WORK ZONE CROSS WALK LINE, CLASS I
	- WORK ZONE STOP LINE, CLASS I
	- WORK ZONE LANE ARROW, CLASS I
	* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.
	^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC
	- ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN^
	- IMPACT ATTENUATOR



MAINTENANCE OF TRAFFIC - PHASE 1
 I.R. 77 - BEGIN TO STA. 46+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	197
TOTAL	2339

* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



MAINTENANCE OF TRAFFIC - PHASE 1
 I.R. 77 - STA. 46+00.00 TO STA. 56+00.00

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

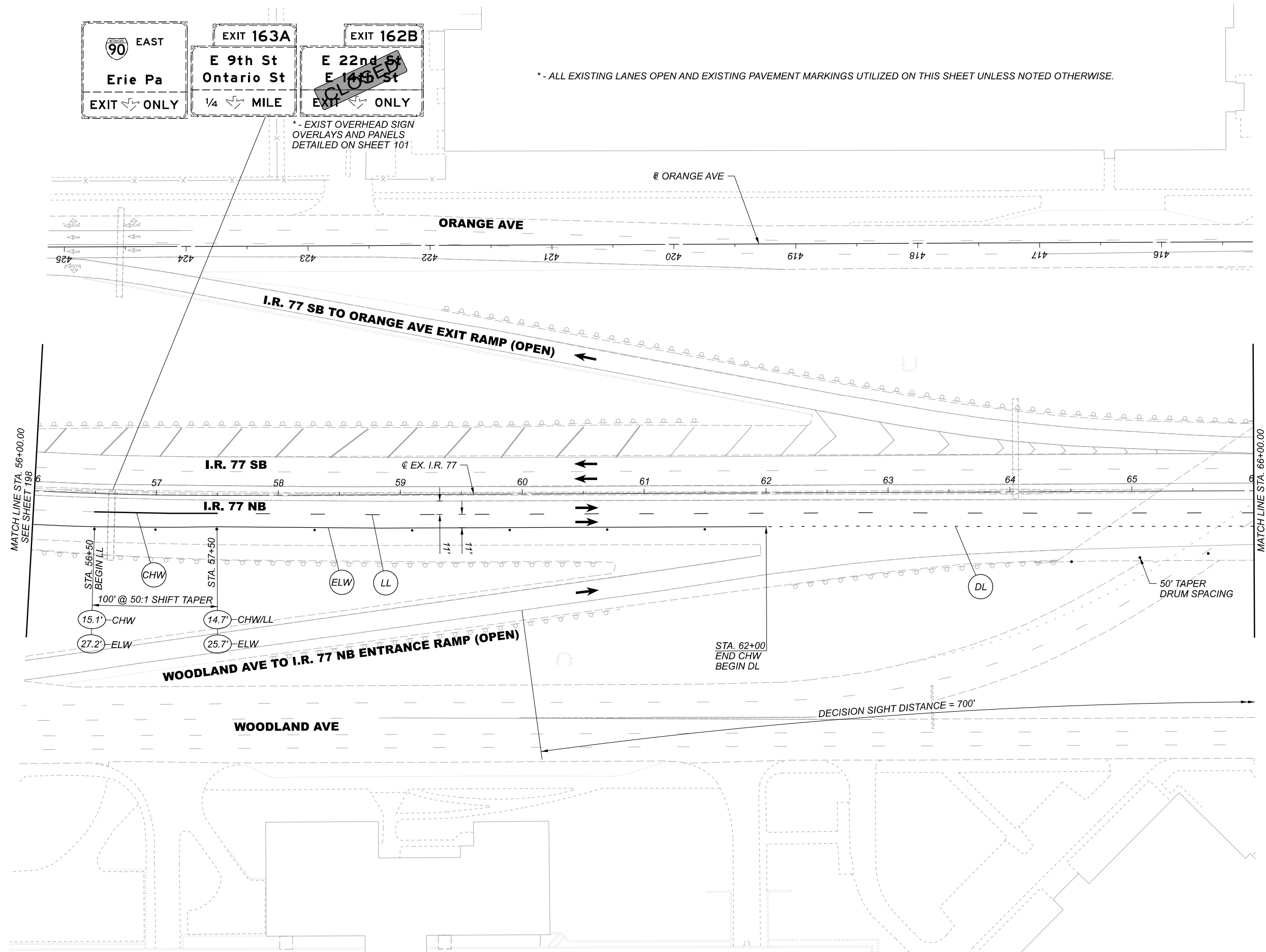
DESIGNER

REVIEWER

PROJECT ID
 82382

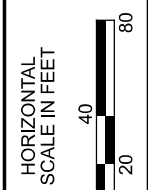
SHEET	TOTAL
198	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 197



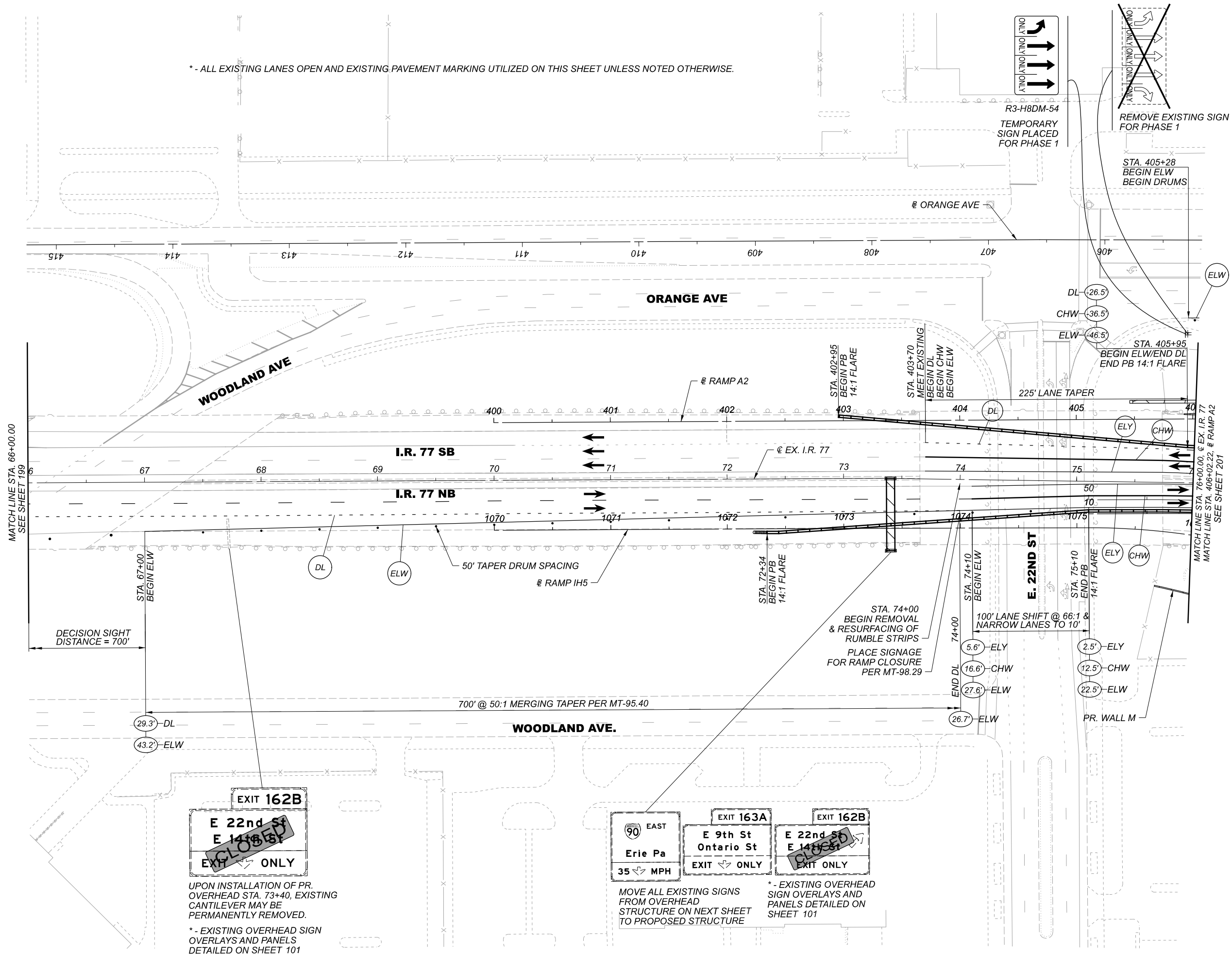
* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.

* - EXIST OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 101

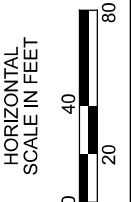
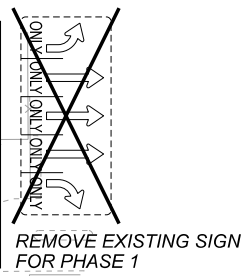
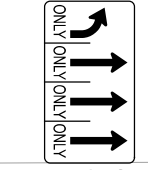


MAINTENANCE OF TRAFFIC - PHASE 1
 I.R. 77 - STA. 56+00.00 TO STA. 66+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
199	2339

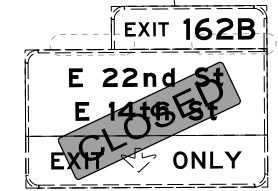


* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKING UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.

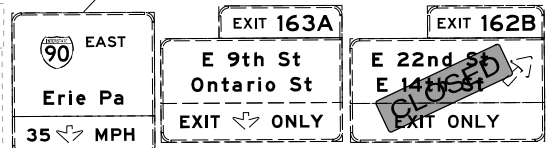


MAINTENANCE OF TRAFFIC - PHASE 1
 I.R. 77 - STA. 66+00.00 TO STA. 76+00.00

DECISION SIGHT DISTANCE = 700'



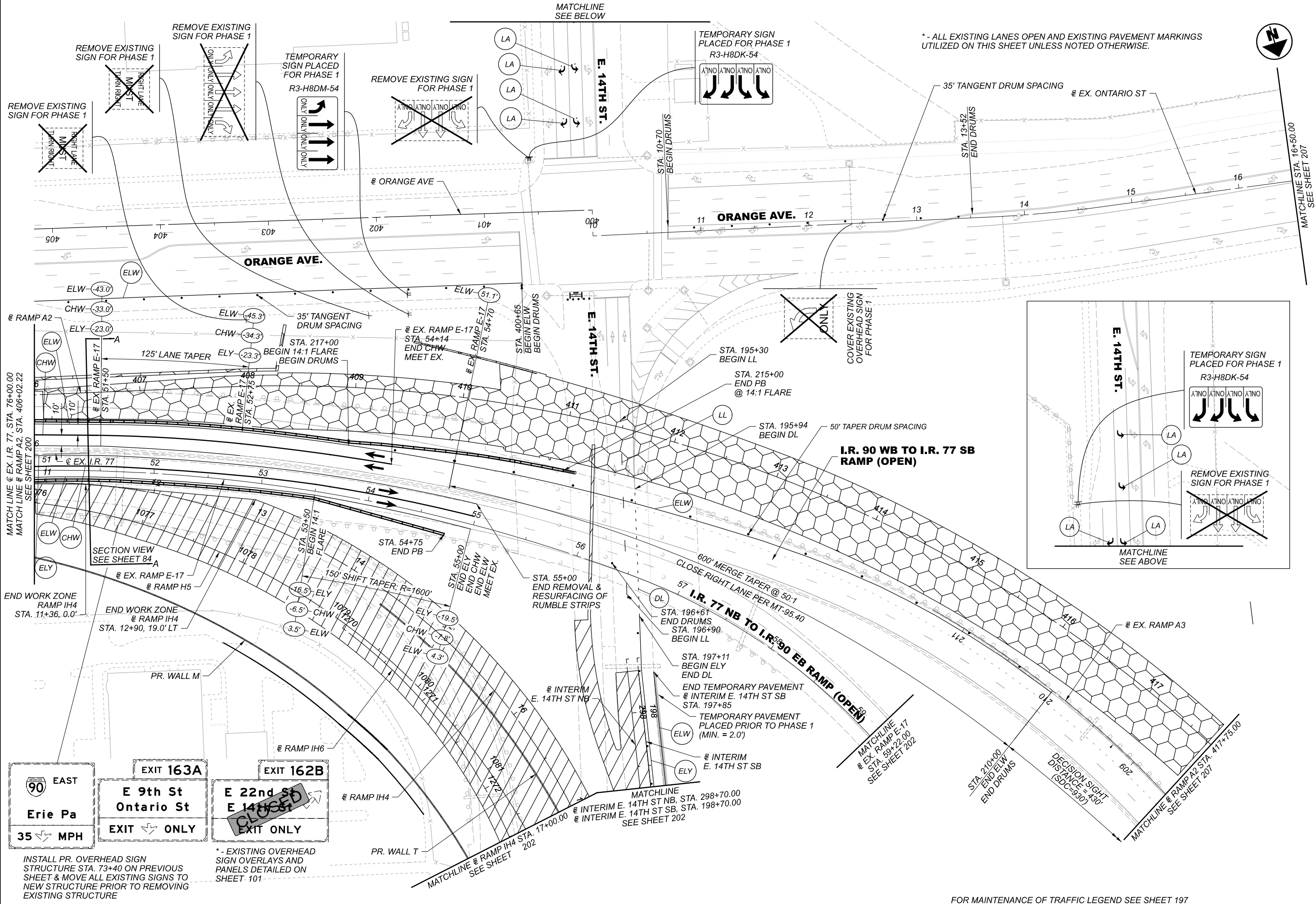
UPON INSTALLATION OF PR. OVERHEAD STA. 73+40, EXISTING CANTILEVER MAY BE PERMANENTLY REMOVED.
 * - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 101



MOVE ALL EXISTING SIGNS FROM OVERHEAD STRUCTURE ON NEXT SHEET TO PROPOSED STRUCTURE

* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 101

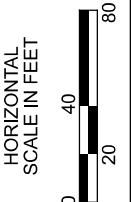
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
200	2339



	EXIT 163A E 9th St Ontario St EXIT ONLY	EXIT 162B E 22nd St E 14th St EXIT ONLY
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INSTALL PR. OVERHEAD SIGN STRUCTURE STA. 73+40 ON PREVIOUS SHEET & MOVE ALL EXISTING SIGNS TO NEW STRUCTURE PRIOR TO REMOVING EXISTING STRUCTURE

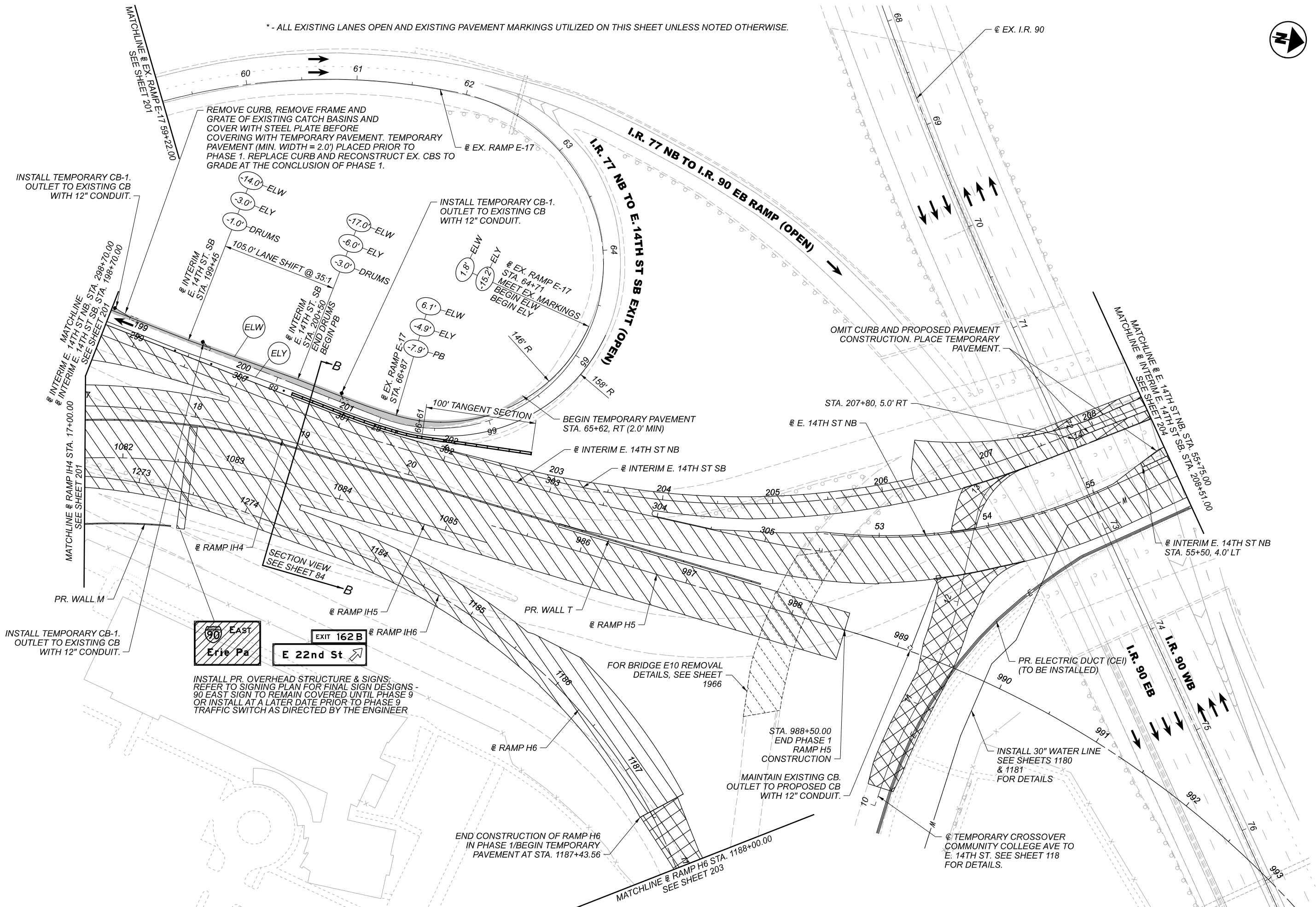
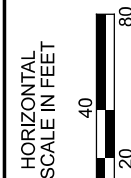
* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 101



MAINTENANCE OF TRAFFIC - PHASE 1
I.R. 77 - STA. 76+00.00 TO END / RAMP A2 - STA. 406+02.00 TO STA. 417+75.00

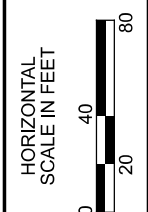
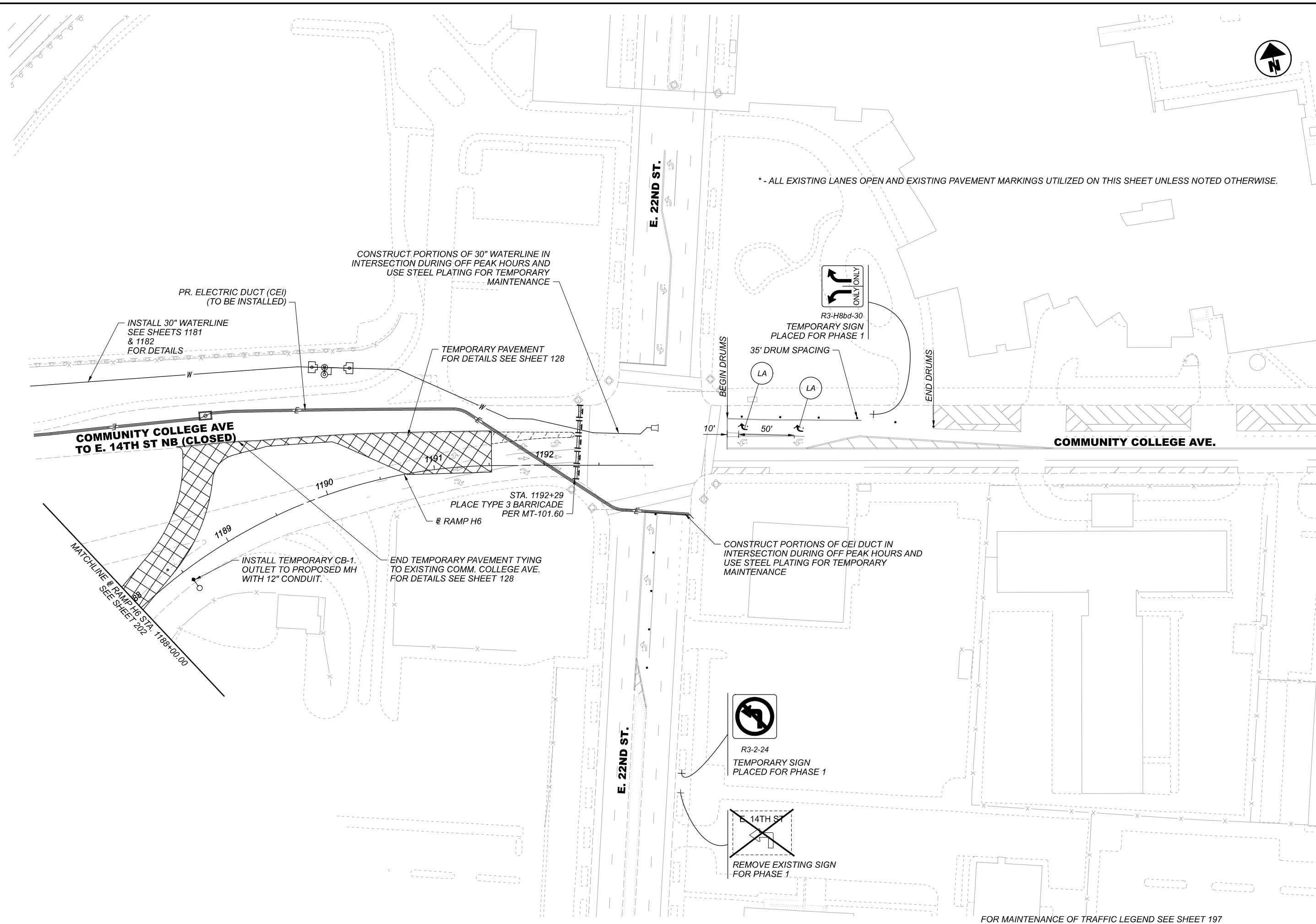
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	201 2339

* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



MAINTENANCE OF TRAFFIC - PHASE 1
INTERIM E. 14TH ST SB - STA. 198+70.00 TO STA. 208+51.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	202
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 1
RAMP H6 - STA. 1188+00.00 TO END

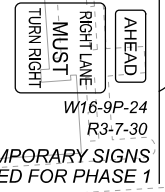
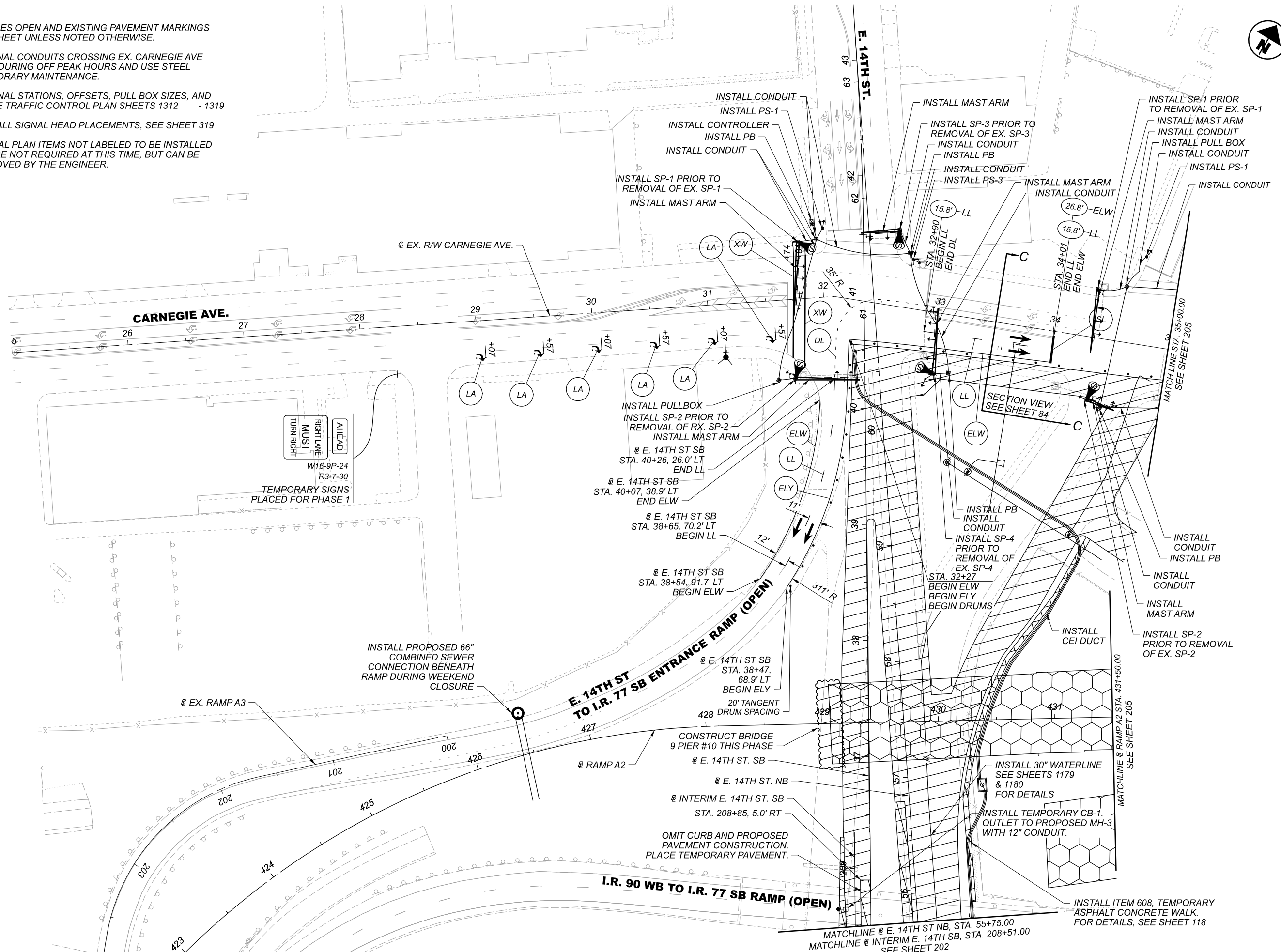
DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
203	2339

Michael Baker
INTERNATIONAL

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 197

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. CONSTRUCT SIGNAL CONDUITS CROSSING EX. CARNEGIE AVE AND EX. E. 14TH ST DURING OFF PEAK HOURS AND USE STEEL PLATING FOR TEMPORARY MAINTENANCE.
3. FOR TRAFFIC SIGNAL STATIONS, OFFSETS, PULL BOX SIZES, AND CONDUIT SIZES, SEE TRAFFIC CONTROL PLAN SHEETS 1312 - 1319
4. FOR DETAILS ON ALL SIGNAL HEAD PLACEMENTS, SEE SHEET 319
5. ADDITIONAL SIGNAL PLAN ITEMS NOT LABELED TO BE INSTALLED DURING PHASE 1 ARE NOT REQUIRED AT THIS TIME, BUT CAN BE INSTALLED IF APPROVED BY THE ENGINEER.



MAINTENANCE OF TRAFFIC - PHASE 1
 CARNEGIE AVE - BEGIN TO STA. 35+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

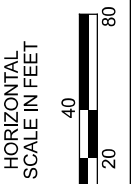
PROJECT ID
82382

SHEET	TOTAL
204	2339

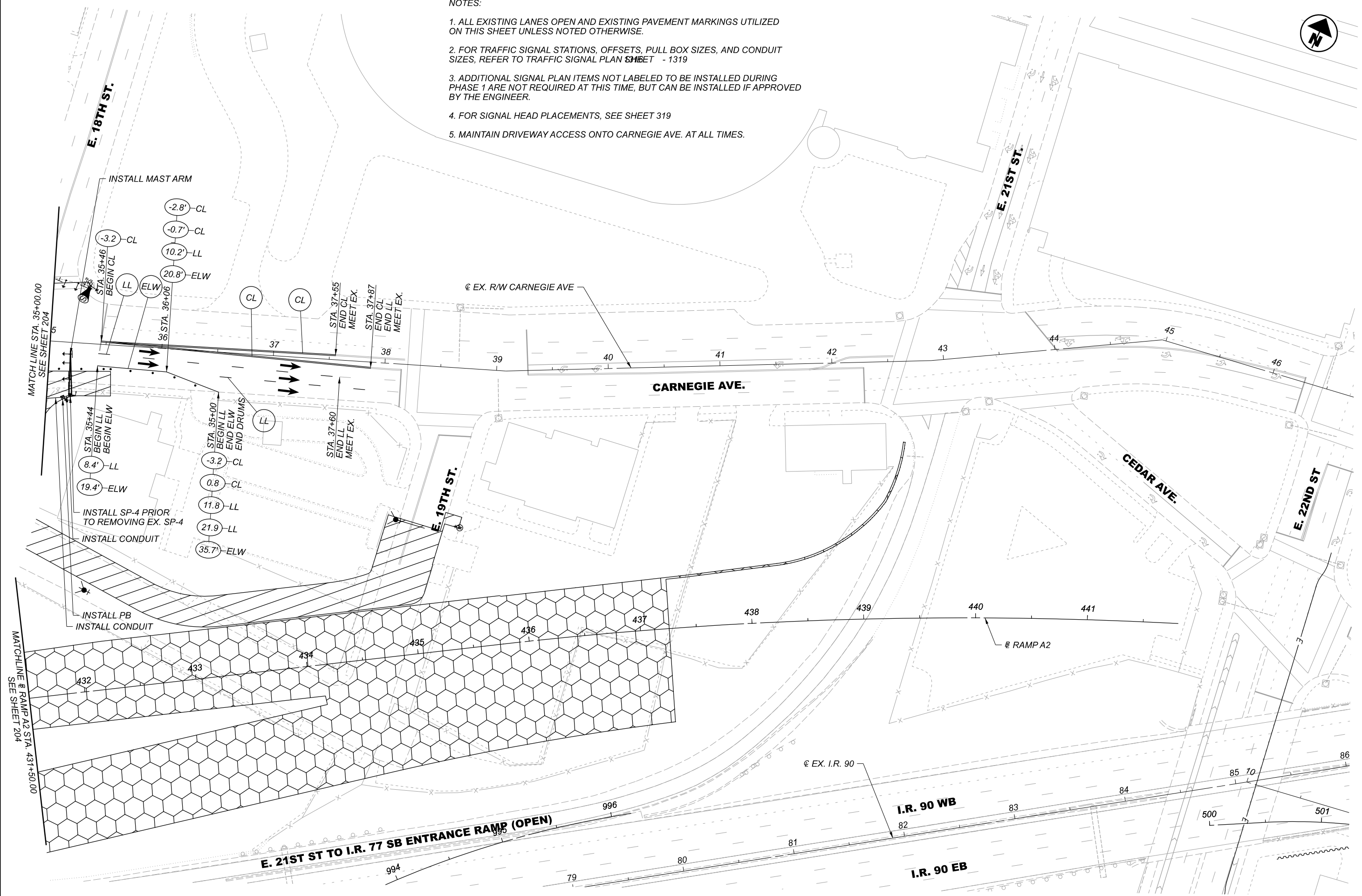
FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 197

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. FOR TRAFFIC SIGNAL STATIONS, OFFSETS, PULL BOX SIZES, AND CONDUIT SIZES, REFER TO TRAFFIC SIGNAL PLAN SHEET - 1319
3. ADDITIONAL SIGNAL PLAN ITEMS NOT LABELED TO BE INSTALLED DURING PHASE 1 ARE NOT REQUIRED AT THIS TIME, BUT CAN BE INSTALLED IF APPROVED BY THE ENGINEER.
4. FOR SIGNAL HEAD PLACEMENTS, SEE SHEET 319
5. MAINTAIN DRIVEWAY ACCESS ONTO CARNEGIE AVE. AT ALL TIMES.



MAINTENANCE OF TRAFFIC - PHASE 1
 CARNEGIE AVE - STA. 35+00.00 TO END



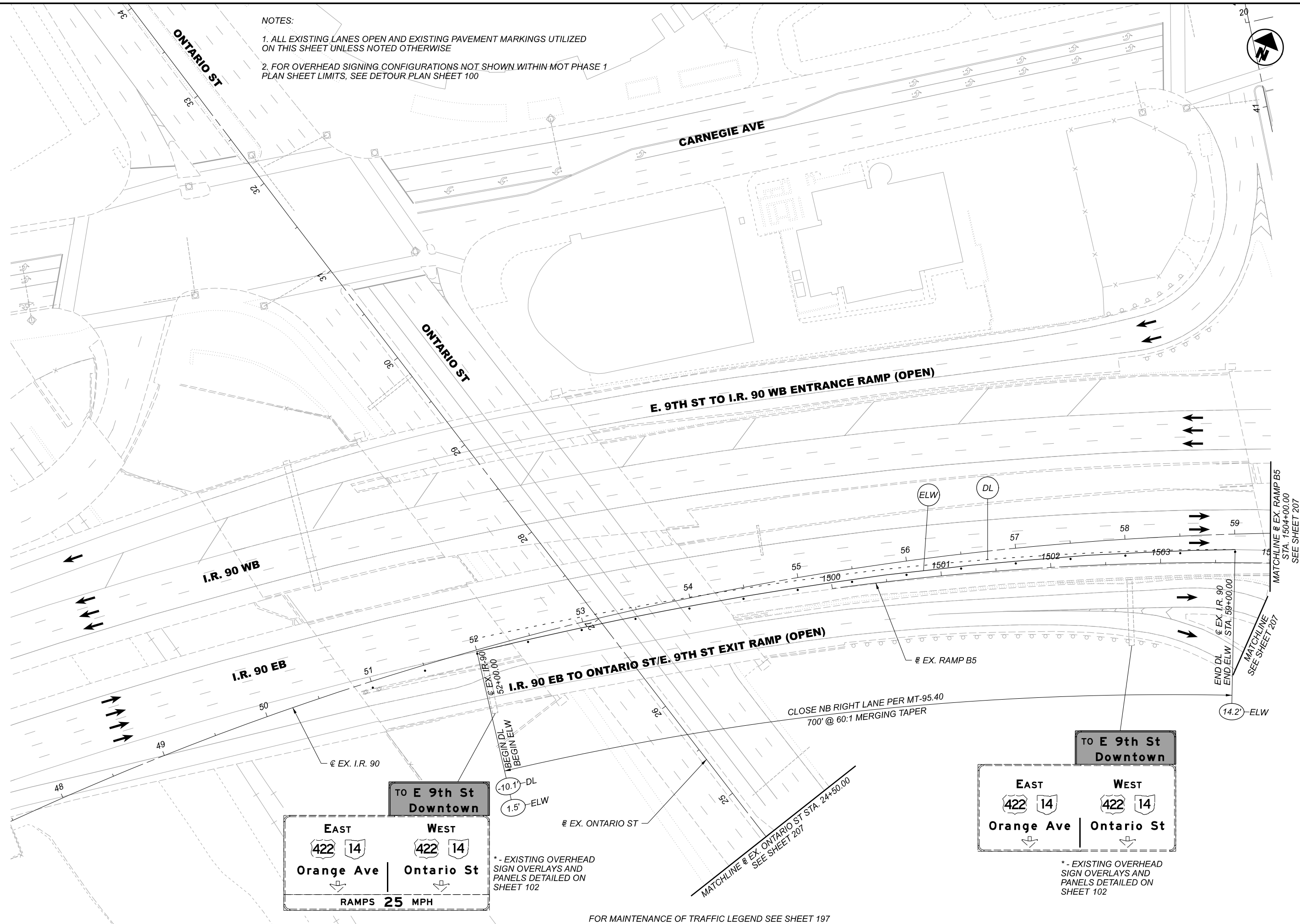
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	205
TOTAL	2339

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE
2. FOR OVERHEAD SIGNING CONFIGURATIONS NOT SHOWN WITHIN MOT PHASE 1 PLAN SHEET LIMITS, SEE DETOUR PLAN SHEET 100



MAINTENANCE OF TRAFFIC - PHASE 1
 I.R. 90 TO RAMP B5 - BEGIN TO STA. 1504+00.00



TO E 9th St Downtown

EAST	WEST
422 14	422 14
Orange Ave	Ontario St
RAMPS 25 MPH	

TO E 9th St Downtown

EAST	WEST
422 14	422 14
Orange Ave	Ontario St

* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 102

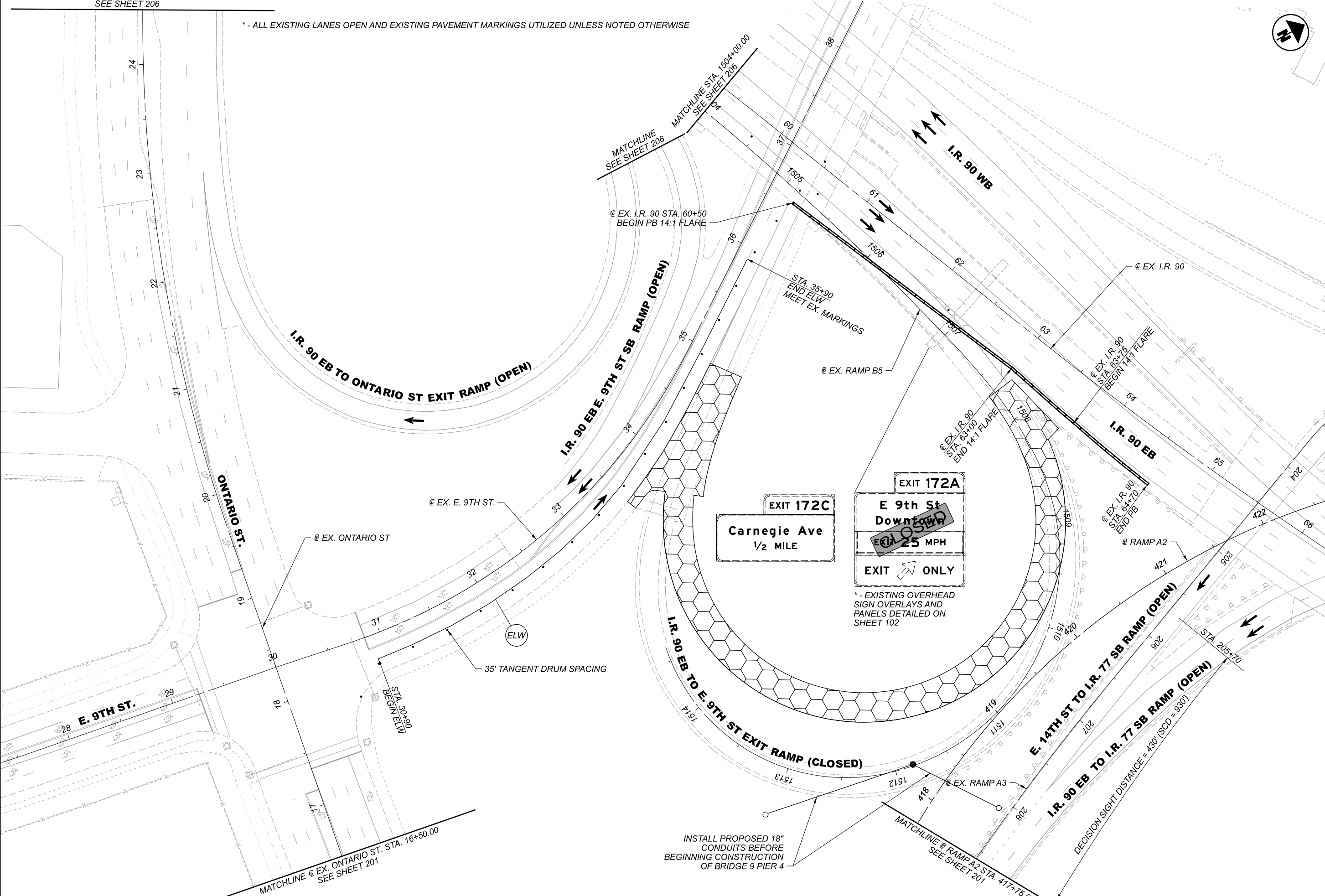
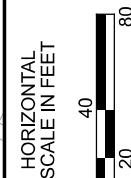
* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 102

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 197

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	206
TOTAL	2339

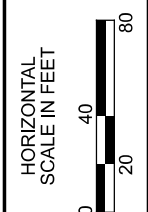
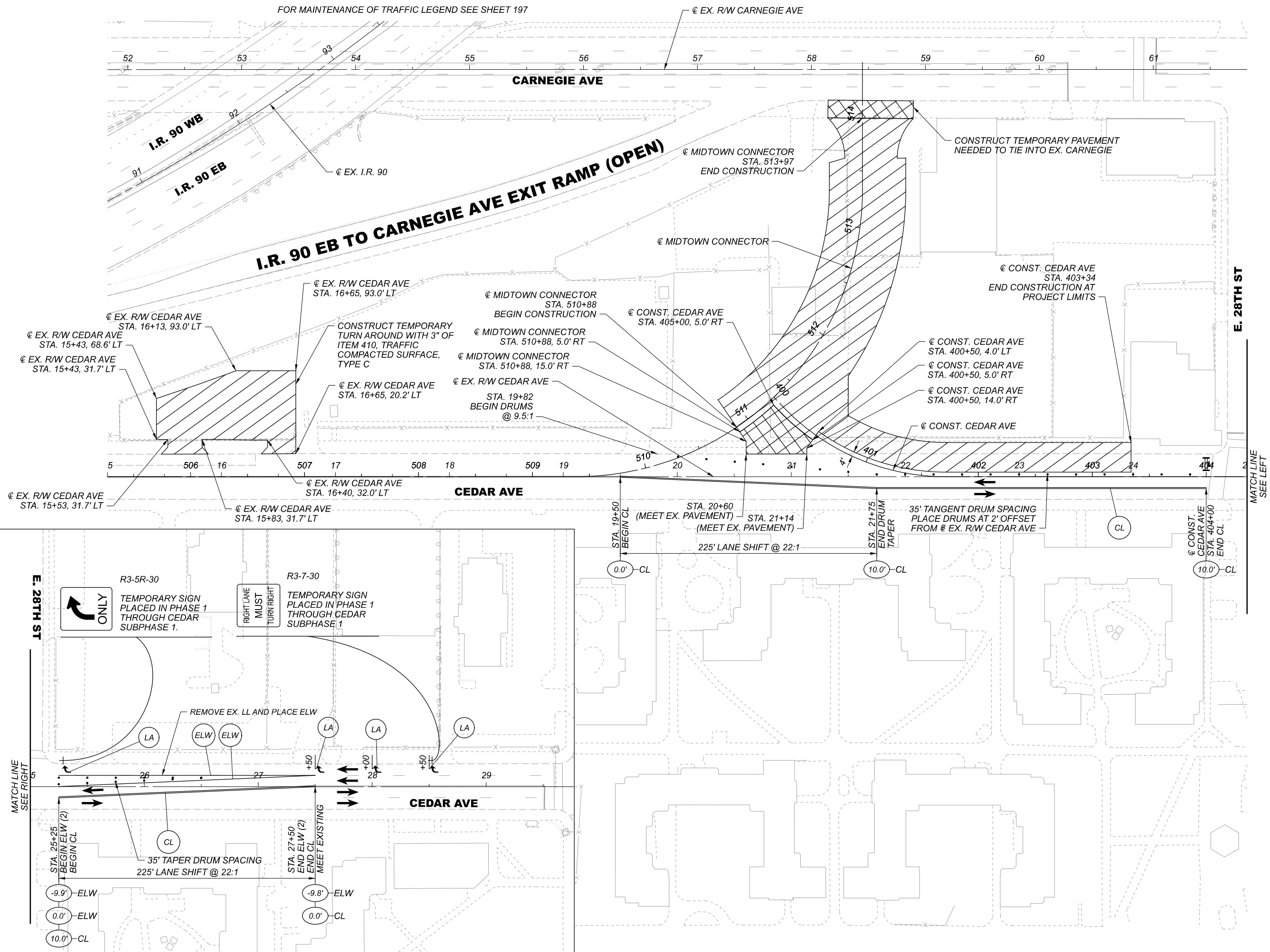
MATCH LINE @ EX. ONTARIO ST. STA. 24+50+00.00
SEE SHEET 206

* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED UNLESS NOTED OTHERWISE



MAINTENANCE OF TRAFFIC - PHASE 1
RAMP B5 TO E. 9TH ST - STA. 1504+00.00 TO END






DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	207
TOTAL	2339

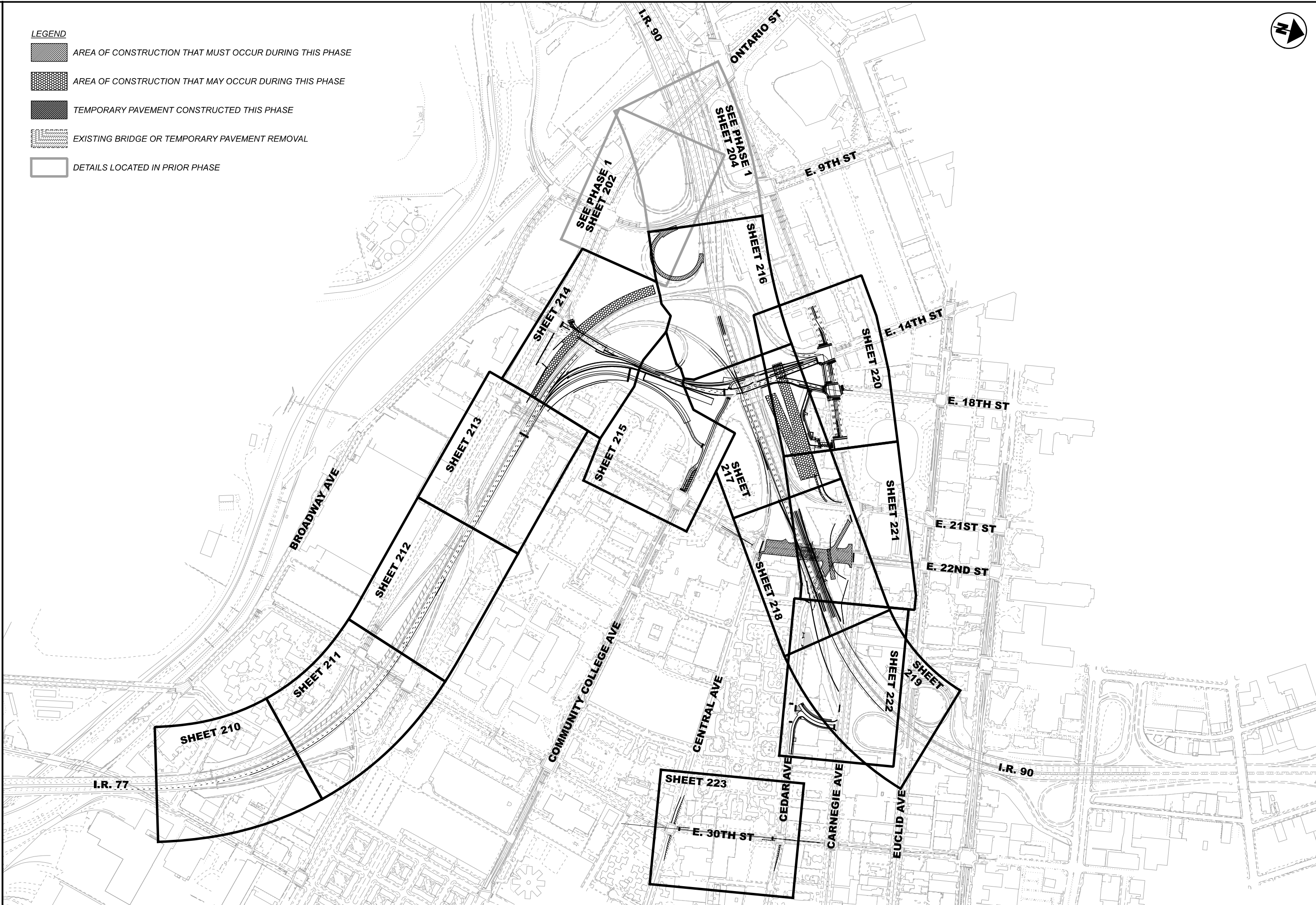


MAINTENANCE OF TRAFFIC - PHASE 1
CEDAR AVE - BEGIN TO END

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
208	2339

LEGEND

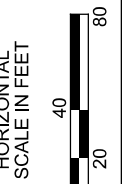
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
-  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
-  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  DETAILS LOCATED IN PRIOR PHASE



MAINTENANCE OF TRAFFIC - PHASE 2
 PLAN SHEET KEY

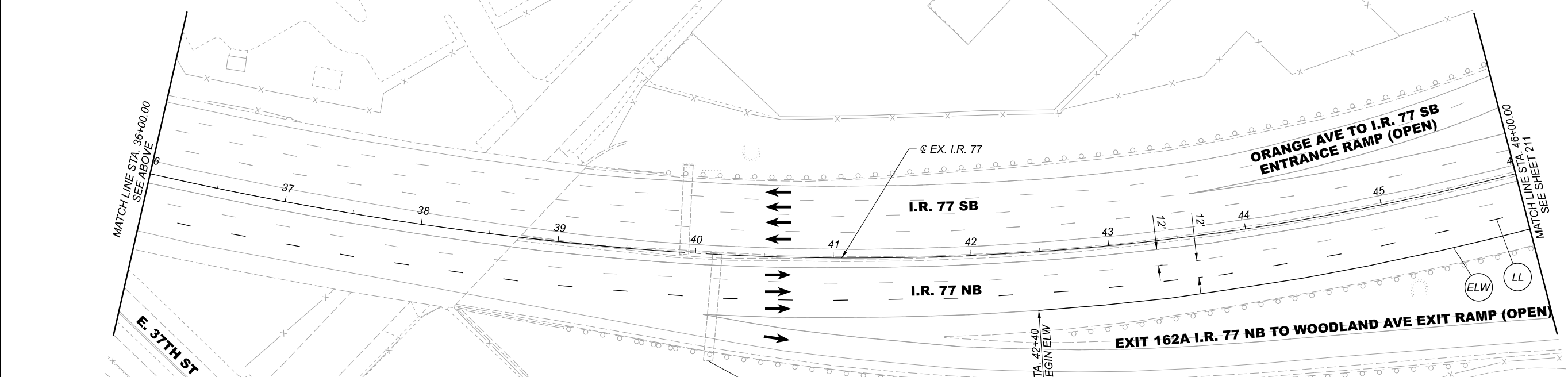
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
—	
REVIEWER	
—	
PROJECT ID	
82382	
SHEET	TOTAL
209	2339

* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



REMOVE
 TO E 22nd St
 E 14th St
 EXIT 162A
**Woodland Ave
 E 30th St**
 EXIT ONLY

REMOVE "EXIT ONLY" OVERLAY
 & UNCOVER "1/4 MILE"



MAINTENANCE OF TRAFFIC LEGEND

- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
- AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
- OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- WORK ZONE EDGE LINE (WHITE), CLASS I
- WORK ZONE EDGE LINE (YELLOW), CLASS I
- WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
- WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
- WORK ZONE DOTTED LINE, CLASS I
- WORK ZONE LANE LINE, CLASS I
- WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
- WORK ZONE CROSS WALK LINE, CLASS I
- WORK ZONE STOP LINE, CLASS I
- WORK ZONE LANE ARROW, CLASS I

* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.

^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC

- ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN

- IMPACT ATTENUATOR

90 EAST
 Erie Pa
 EXIT 163A
 E 9th St
 Ontario St
 3/4 MILE

EXIT 162B
 E 22nd St
 E 14th St
 1 MILE

REMOVE
 TO E 22nd St
 E 14th St
 EXIT 162A

**Woodland Ave
 E 30th St**
 EXIT ONLY

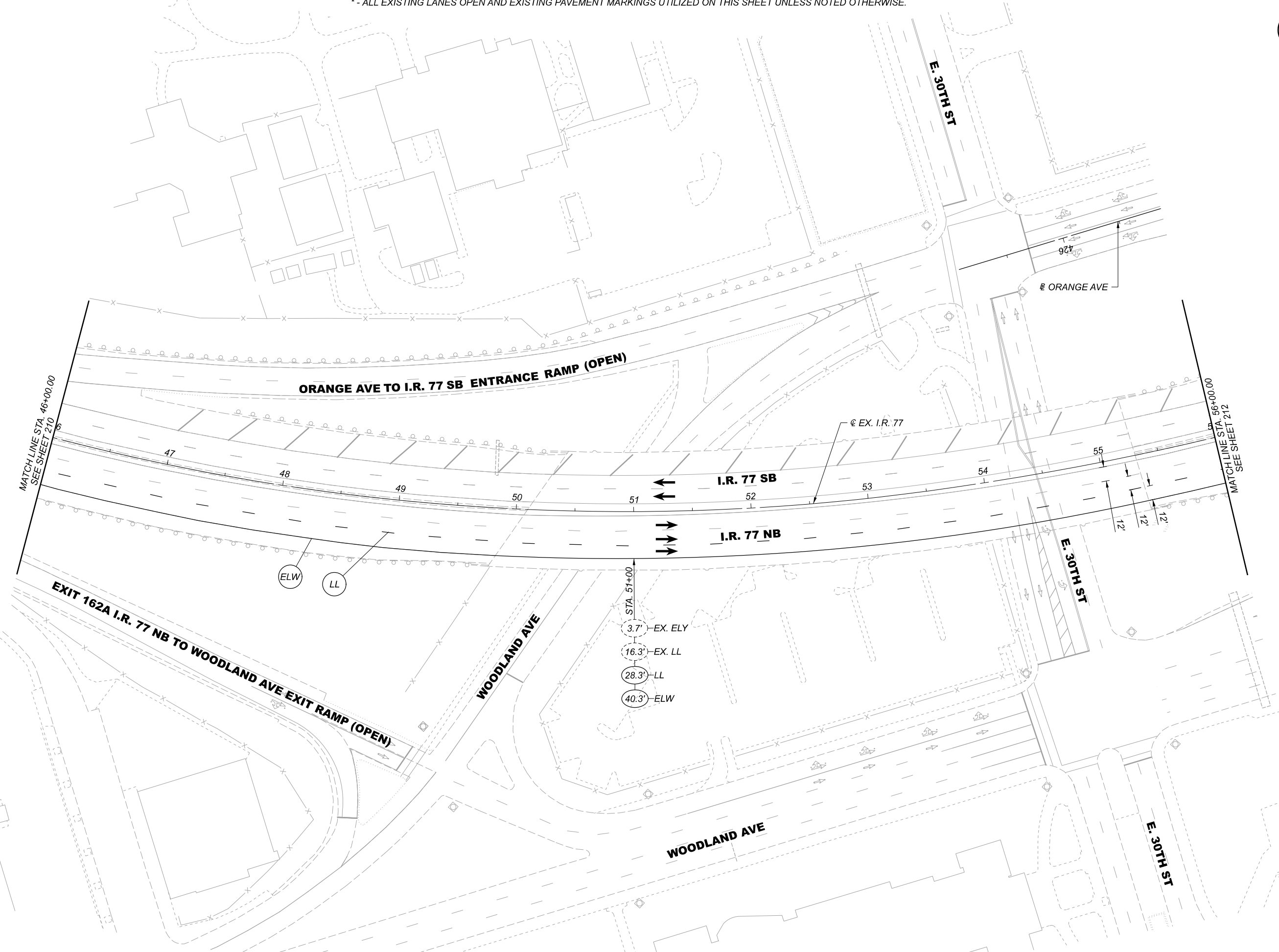
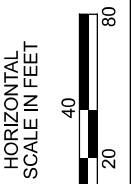
REMOVE "CLOSED" OVERLAY

REMOVE

MAINTENANCE OF TRAFFIC - PHASE 2
 I.R. 77 - BEGIN TO STA. 46+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	210
TOTAL	2339

* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



ORANGE AVE TO I.R. 77 SB ENTRANCE RAMP (OPEN)

MATCH LINE STA. 46+00.00
SEE SHEET 210

MATCH LINE STA. 56+00.00
SEE SHEET 212

EXIT 162A I.R. 77 NB TO WOODLAND AVE EXIT RAMP (OPEN)

- STA. 51+00
- 3.7' - EX. ELY
- 16.3' - EX. LL
- 28.3' - LL
- 40.3' - ELW

MAINTENANCE OF TRAFFIC - PHASE 2
I.R. 77 - STA. 46+00.00 TO STA. 56+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

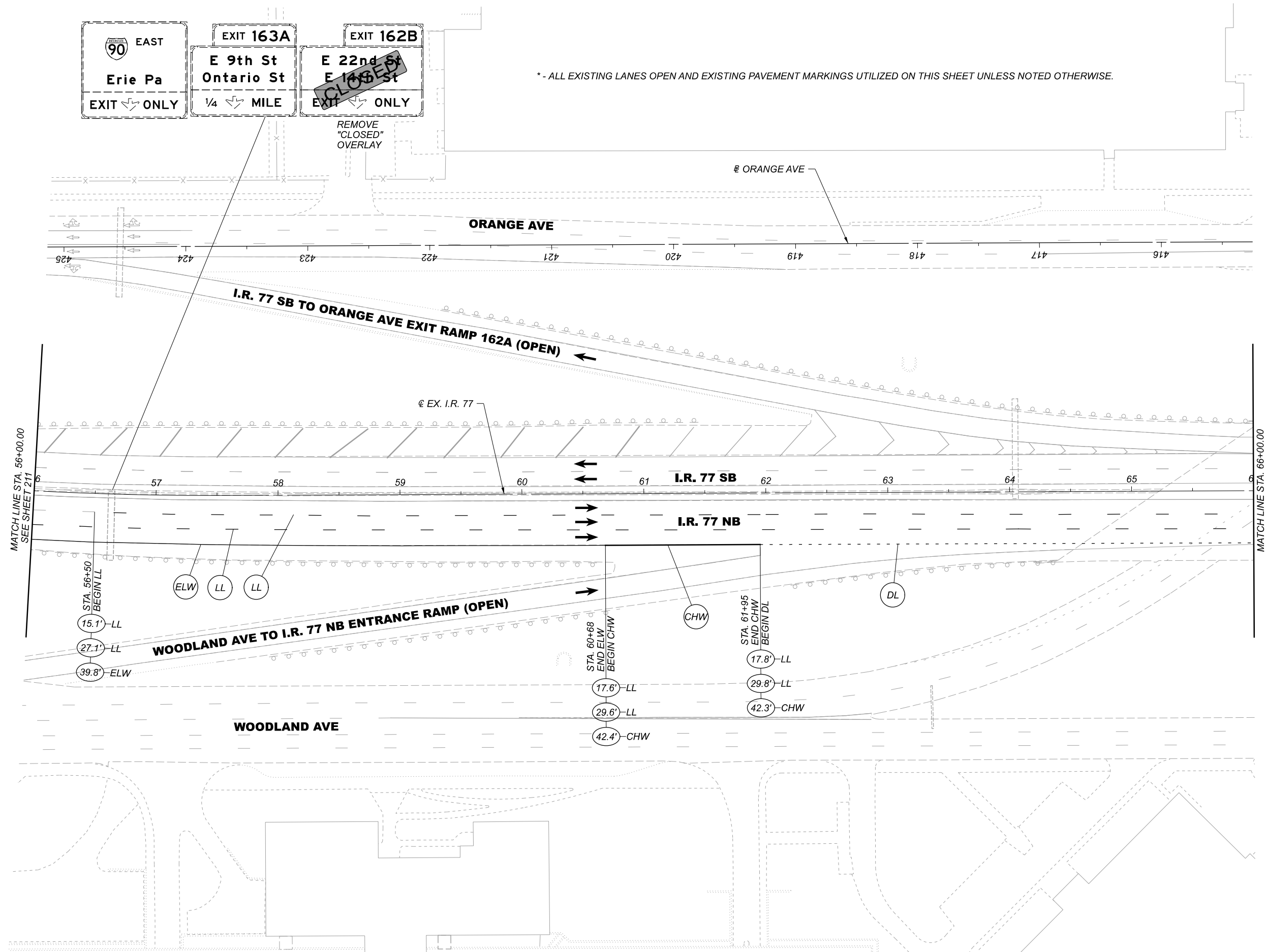
DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
211	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210



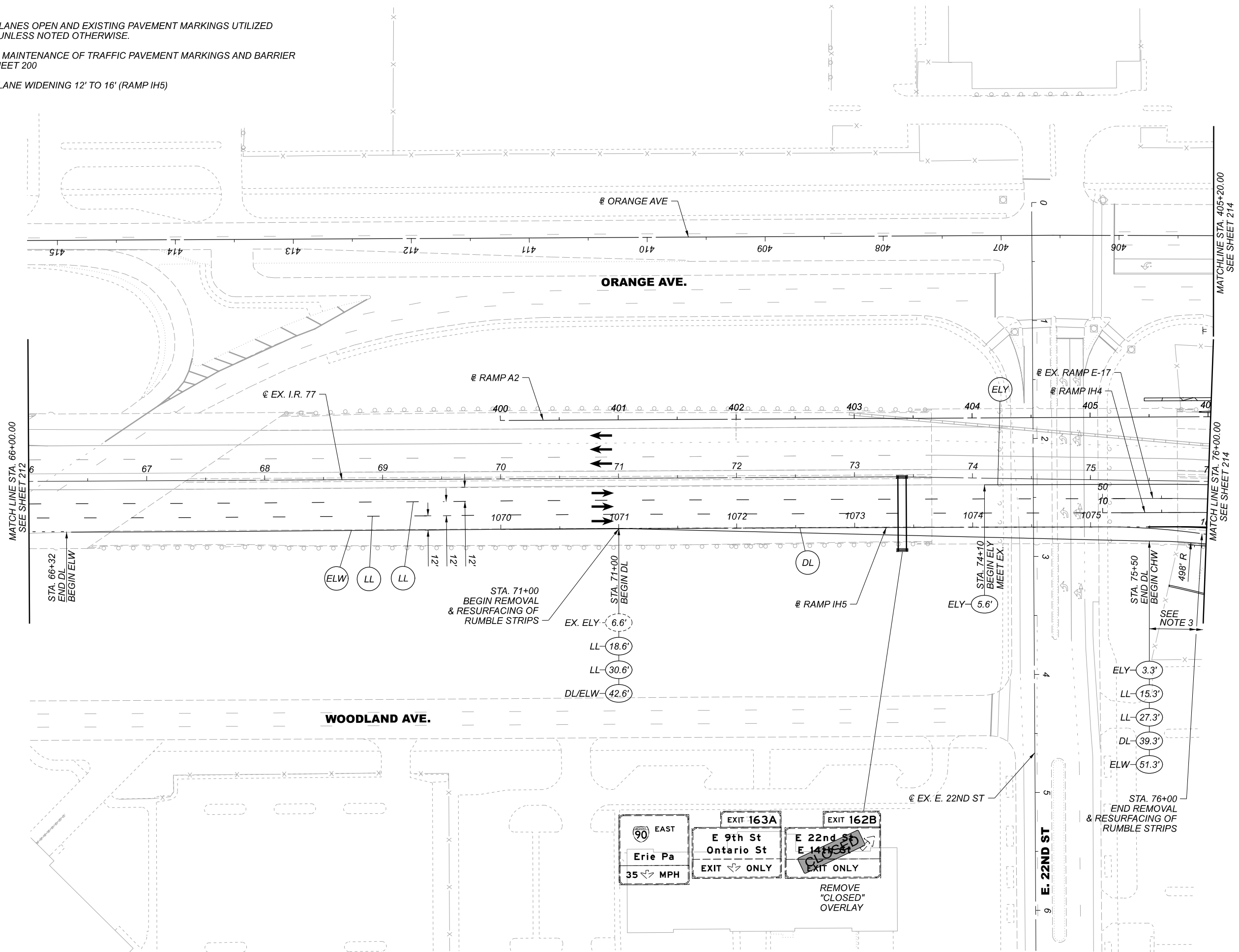
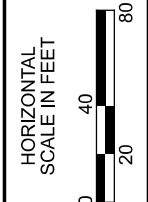
* - ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.

MAINTENANCE OF TRAFFIC - PHASE 2
 I.R. 77 - STA. 56+00.00 TO STA. 66+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	212
TOTAL	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
 2. FOR EXISTING MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS AND BARRIER DETAILS, SEE SHEET 200
 3. 200' OUTSIDE LANE WIDENING 12' TO 16' (RAMP IH5)



	EXIT 163A E 9th St Ontario St EXIT ONLY	EXIT 162B E 22nd St E 14th St EXIT ONLY
	REMOVE "CLOSED" OVERLAY	

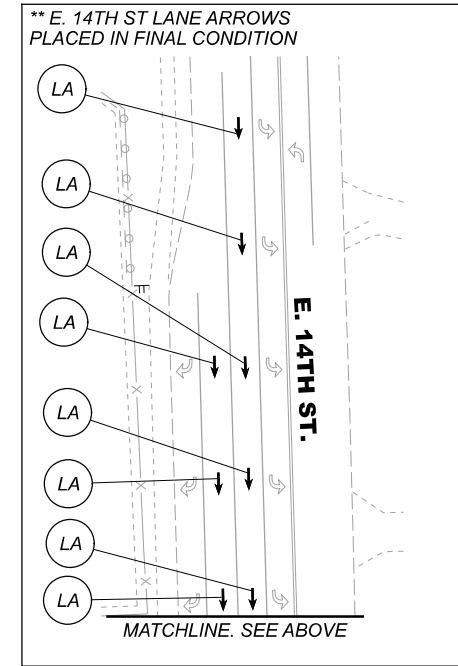
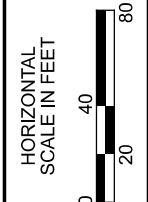
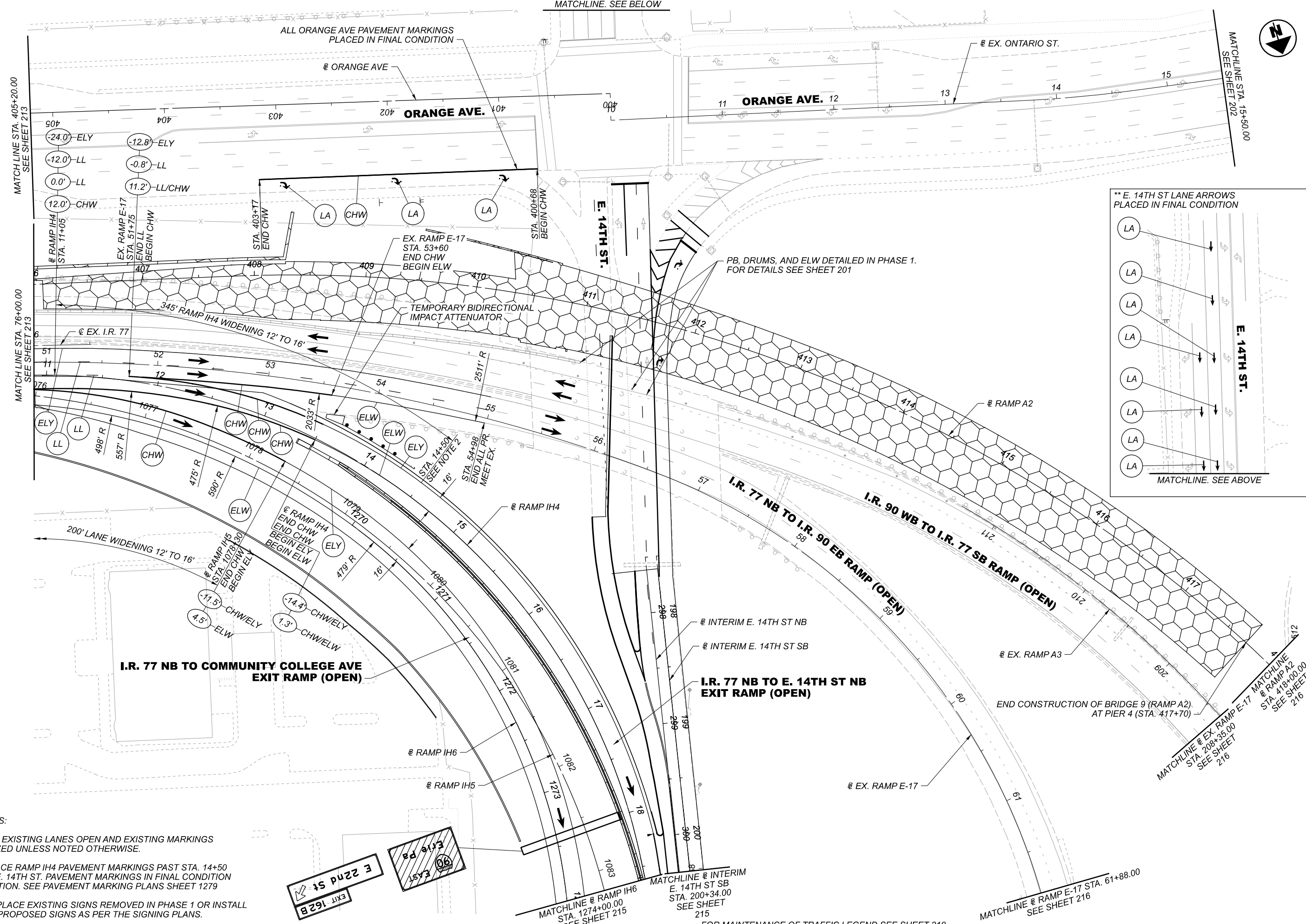
FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

MAINTENANCE OF TRAFFIC - PHASE 2
 I.R. 77 - STA. 66+00.00 TO STA. 76+00.00

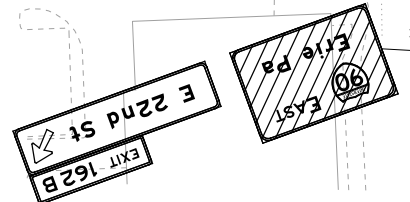
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
213	2339

MATCHLINE. SEE BELOW

ALL ORANGE AVE PAVEMENT MARKINGS
 PLACED IN FINAL CONDITION



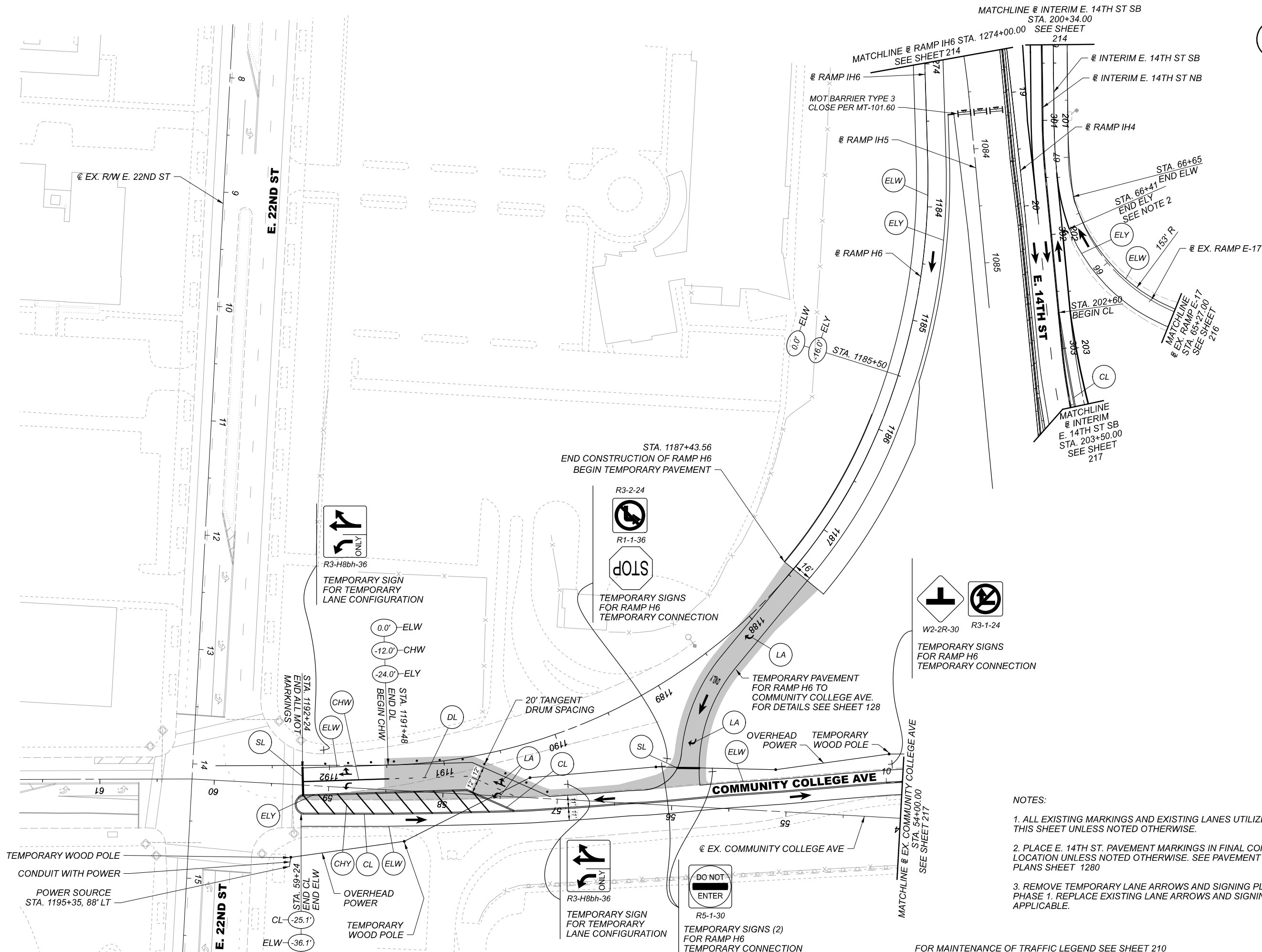
- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING MARKINGS UTILIZED UNLESS NOTED OTHERWISE.
 2. PLACE RAMP IH4 PAVEMENT MARKINGS PAST STA. 14+50 AND E. 14TH ST. PAVEMENT MARKINGS IN FINAL CONDITION LOCATION. SEE PAVEMENT MARKING PLANS SHEET 1279
 3. REPLACE EXISTING SIGNS REMOVED IN PHASE 1 OR INSTALL NEW PROPOSED SIGNS AS PER THE SIGNING PLANS.



FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

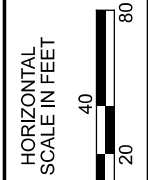
MAINTENANCE OF TRAFFIC - PHASE 2
 I.R. 77 - STA. 76+00.00 TO END / RAMP A2 - STA. 406+2.00 TO STA. 418+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	214
TOTAL	2339



- NOTES:
1. ALL EXISTING MARKINGS AND EXISTING LANES UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
 2. PLACE E. 14TH ST. PAVEMENT MARKINGS IN FINAL CONDITION LOCATION UNLESS NOTED OTHERWISE. SEE PAVEMENT MARKING PLANS SHEET 1280
 3. REMOVE TEMPORARY LANE ARROWS AND SIGNING PLACED IN PHASE 1. REPLACE EXISTING LANE ARROWS AND SIGNING WHERE APPLICABLE.

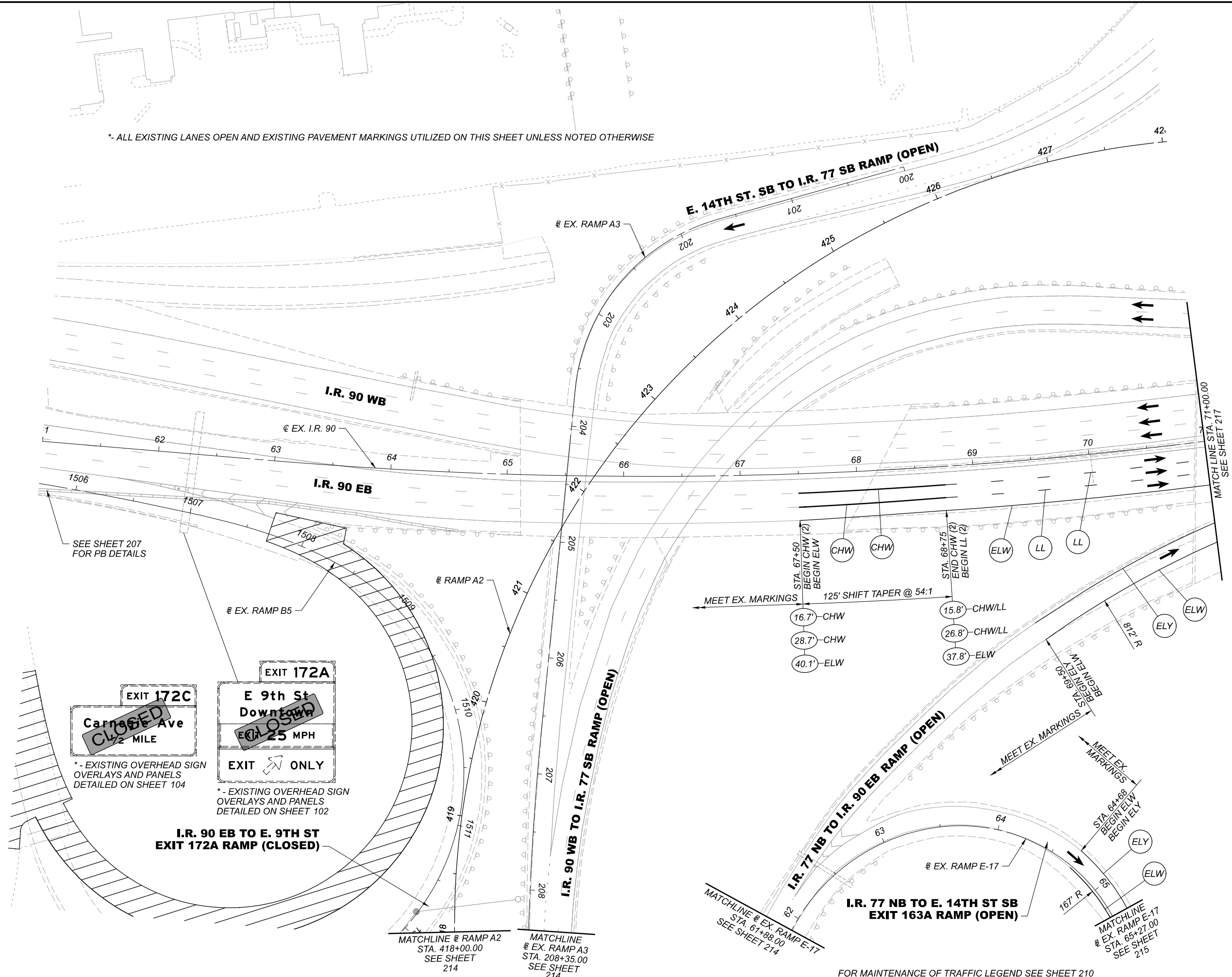
FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210



MAINTENANCE OF TRAFFIC - PHASE 2
 RAMP IH6 - STA. 1274+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	215
TOTAL	2339

* ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE



SEE SHEET 207 FOR PB DETAILS

EXIT 172C
Carnegie Ave
 1/2 MILE
 CLOSED

* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 104

EXIT 172A
E 9th St Downtown
 25 MPH
 EXIT ONLY
 CLOSED

* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 102

I.R. 90 EB TO E. 9TH ST EXIT 172A RAMP (CLOSED)

MATCHLINE @ EX. RAMP A2
STA. 418+00.00
SEE SHEET 214

MATCHLINE @ EX. RAMP A3
STA. 208+35.00
SEE SHEET 214

MATCHLINE @ EX. RAMP E-17
STA. 61+88.00
SEE SHEET 214

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

MATCHLINE @ EX. RAMP E-17
@ EX. RAMP E-17
STA. 65+27.00
SEE SHEET 215

MATCHLINE STA. 71+00.00
SEE SHEET 217



MAINTENANCE OF TRAFFIC - PHASE 2
I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY

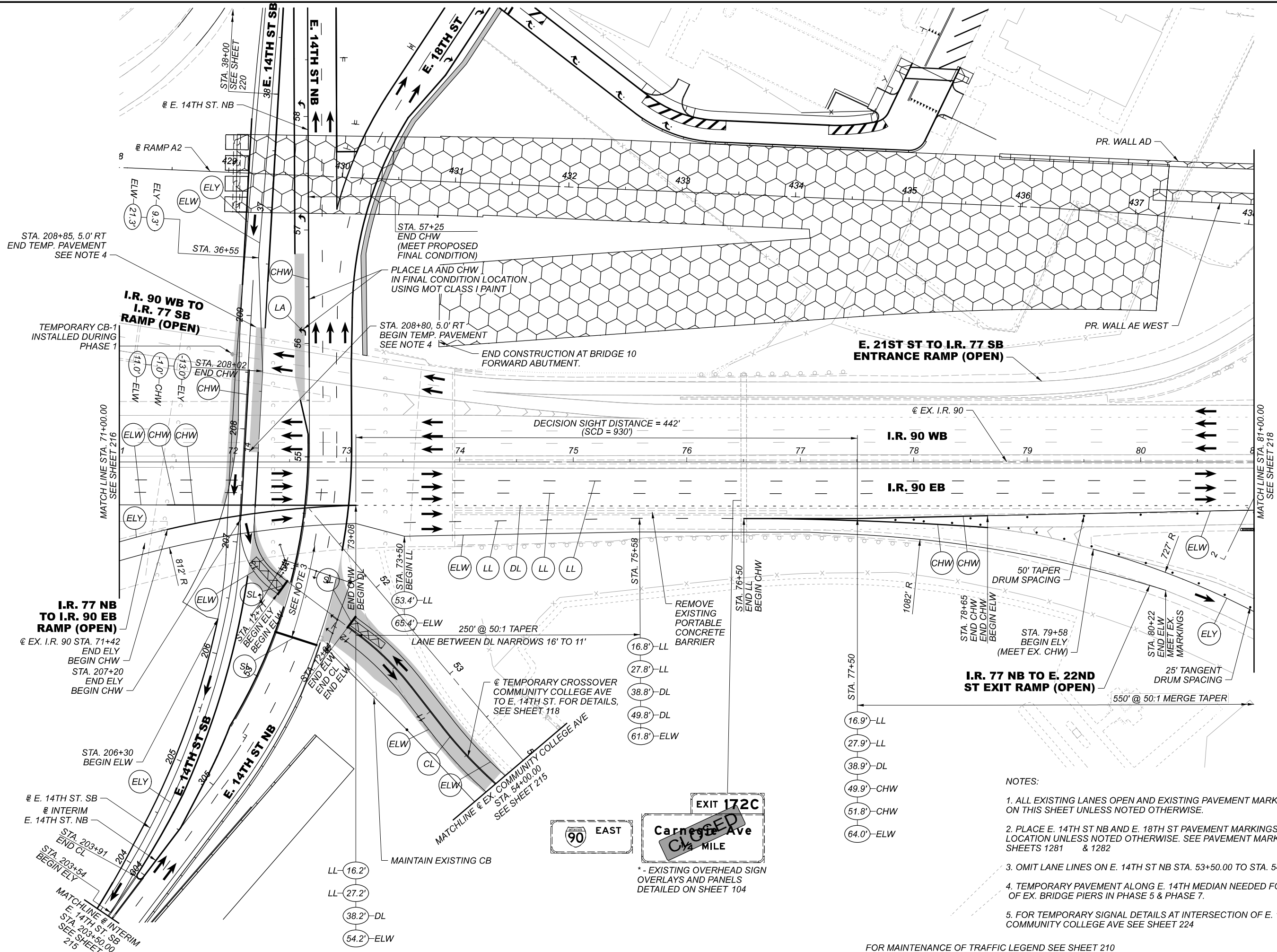
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

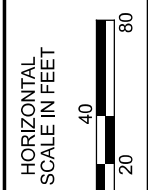
PROJECT ID
82382

SHEET	TOTAL
216	2339



- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
 2. PLACE E. 14TH ST NB AND E. 18TH ST PAVEMENT MARKINGS IN FINAL CONDITION LOCATION UNLESS NOTED OTHERWISE. SEE PAVEMENT MARKING PLANS SHEETS 1281 & 1282
 3. OMIT LANE LINES ON E. 14TH ST NB STA. 53+50.00 TO STA. 54+35.00
 4. TEMPORARY PAVEMENT ALONG E. 14TH MEDIAN NEEDED FOR FUTURE REMOVAL OF EX. BRIDGE PIERS IN PHASE 5 & PHASE 7.
 5. FOR TEMPORARY SIGNAL DETAILS AT INTERSECTION OF E. 14TH ST AND COMMUNITY COLLEGE AVE SEE SHEET 224

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

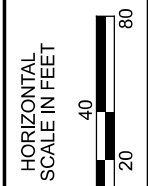


MAINTENANCE OF TRAFFIC - PHASE 2
 I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	217
TOTAL	2339

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. REFER TO SEQUENCE OF CONSTRUCTION NOTES FOR ORDER OF OPERATIONS FOR INSTALLING WALL AE, WALL AF, WALL AG, AND REMOVAL OF RETAINING WALLS.

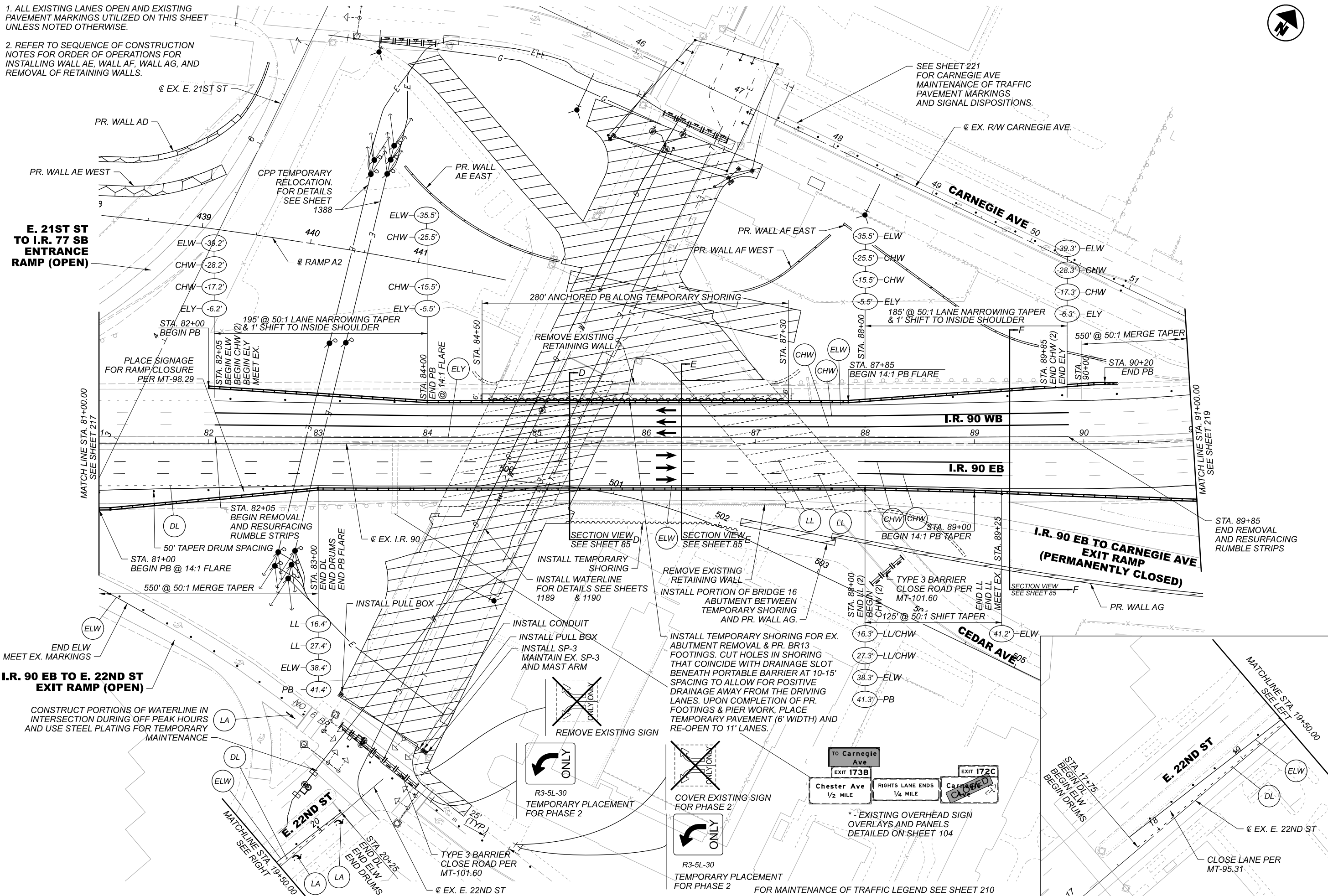


CUY-90-16.28 (CCG3A)
 MODEL: MP2011 PAPER(SIZE: ITX1(11x17)) DATE: 6/22/2022 TIME: 8:32:13 PM USER: Caroline.Owings
 p:\mb-us-pw\entirey.com\mb-us-pw-03\Documents\Cleveland_OH\01_Projects\00DOT\Distric12\82382_400-Engineering\WOT_Sheets\82382_MP2011.dgn

E. 21ST ST TO I.R. 77 SB ENTRANCE RAMP (OPEN)

I.R. 90 EB TO E. 22ND ST EXIT RAMP (OPEN)

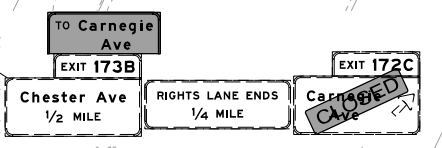
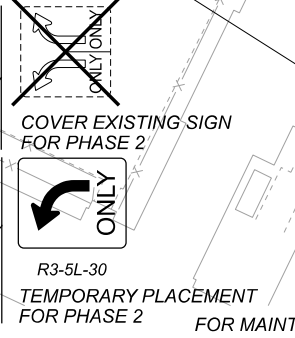
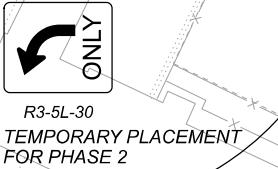
I.R. 90 EB TO CARNEGIE AVE EXIT RAMP (PERMANENTLY CLOSED)



MAINTENANCE OF TRAFFIC - PHASE 2
 I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	218
TOTAL	2339

CONSTRUCT PORTIONS OF WATERLINE IN INTERSECTION DURING OFF PEAK HOURS AND USE STEEL PLATING FOR TEMPORARY MAINTENANCE



* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 104

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

* - ALL EXISTING LANES AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE



MAINTENANCE OF TRAFFIC - PHASE 2
I.R. 90 - STA. 91+00.00 TO END

DESIGN AGENCY

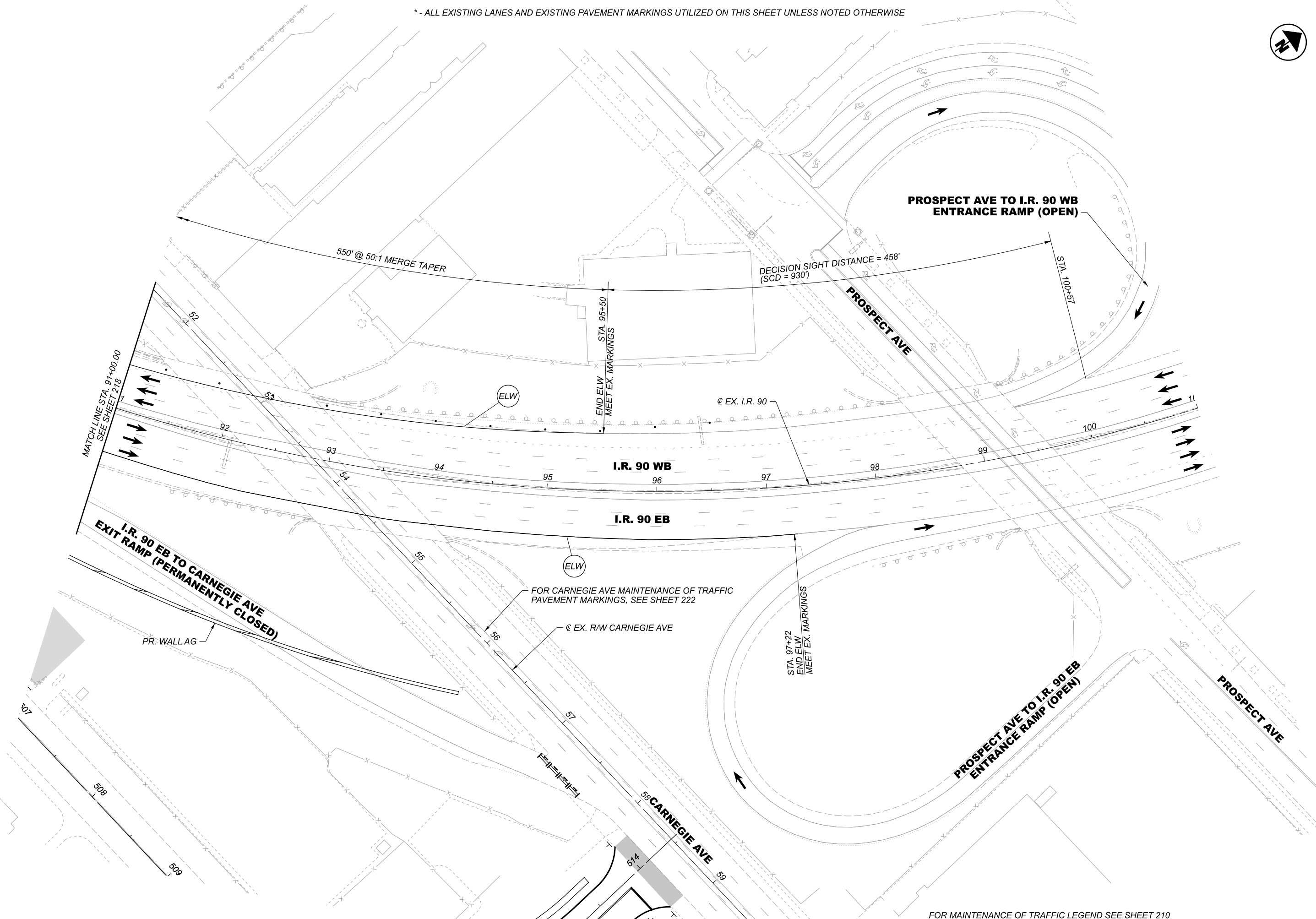
Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

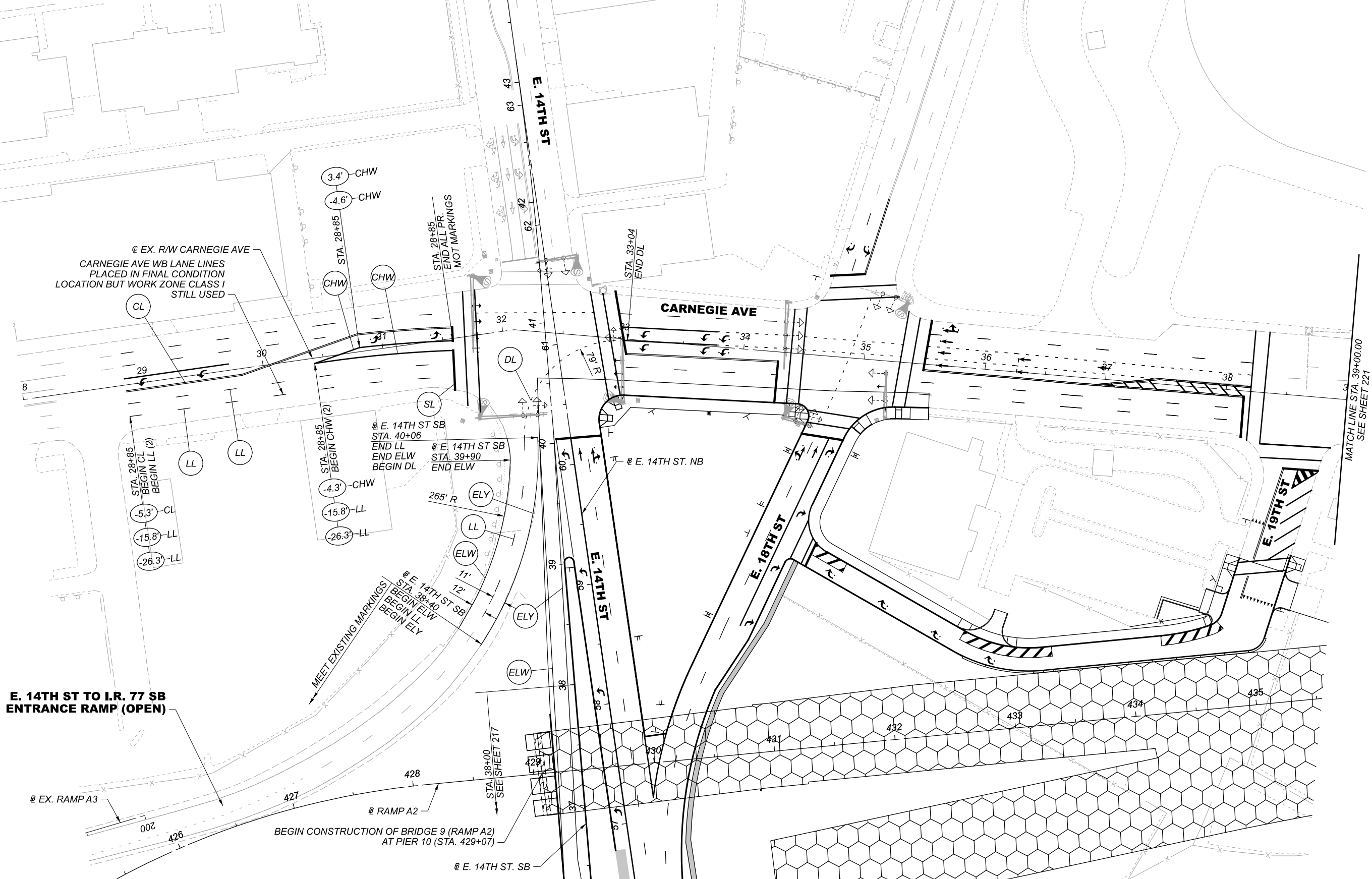
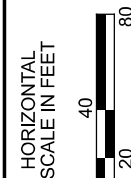
SHEET TOTAL
219 2339



FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. PLACE CARNEGIE AVE (STA. 28+85 TO STA. 35+50) AND ALL E. 14TH ST NB AND E. 18TH ST PAVEMENT MARKINGS IN FINAL CONDITION LOCATION UNLESS NOTED OTHERWISE. SEE PAVEMENT MARKING PLAN SHEETS 1271, 1272 & 1282
3. ADJUST SIGNAL HEADS PRE-PHASE 2. FOR TRAFFIC SIGNAL HEAD PLACEMENT DETAILS, SEE SHEET 320



MAINTENANCE OF TRAFFIC - PHASE 2
 CARNEGIE AVE - BEGIN TO STA. 39+00.00

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

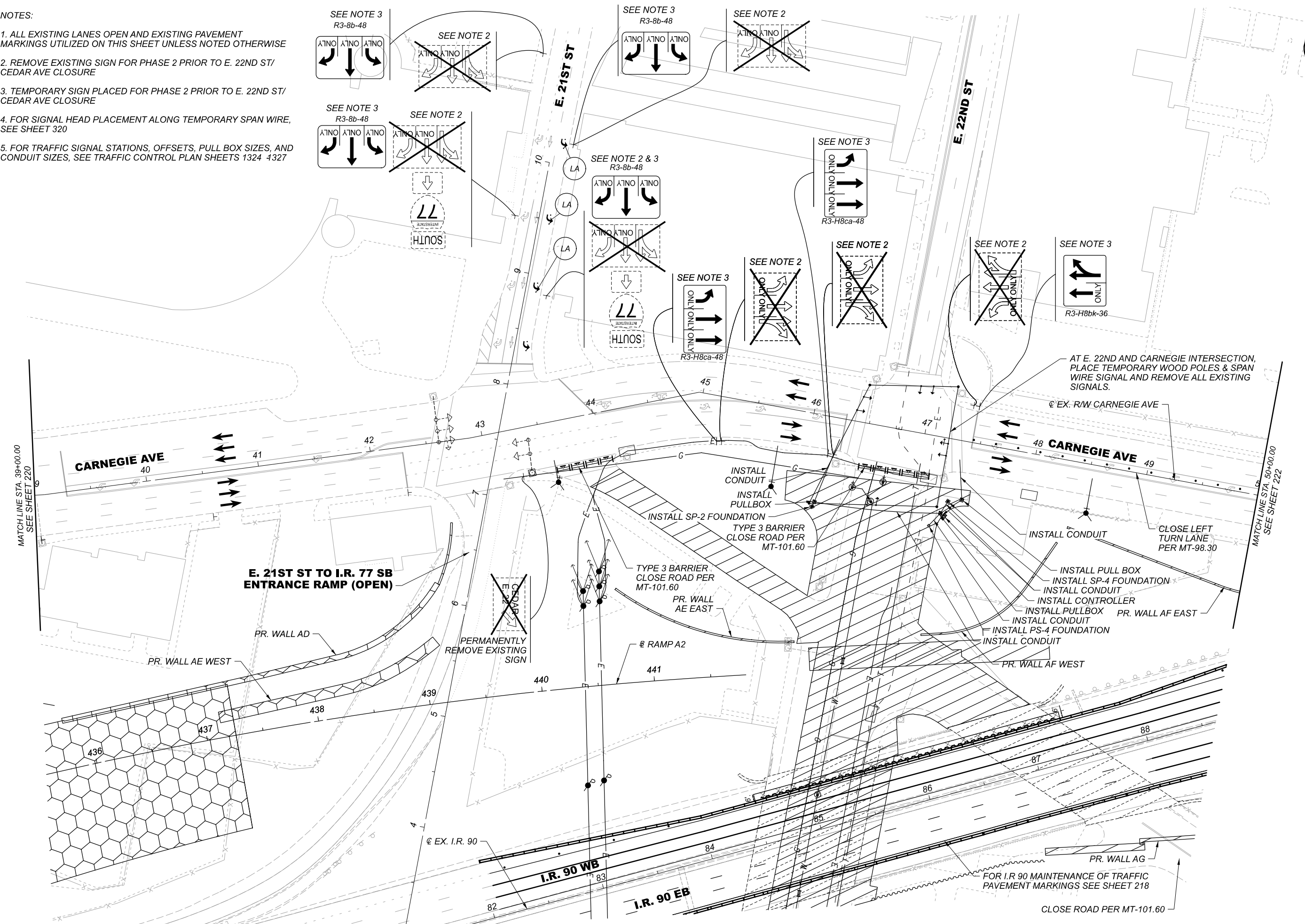
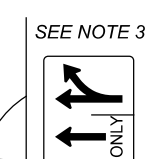
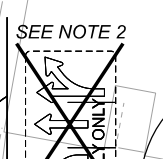
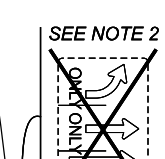
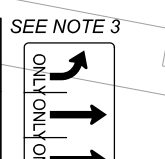
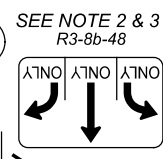
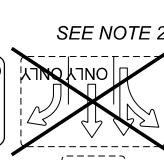
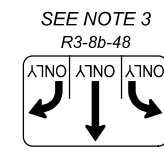
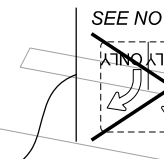
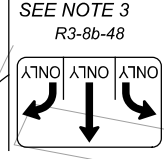
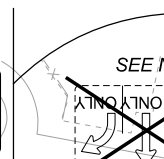
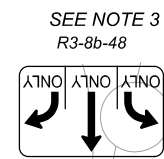
REVIEWER

PROJECT ID
 82382

SHEET	TOTAL
220	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

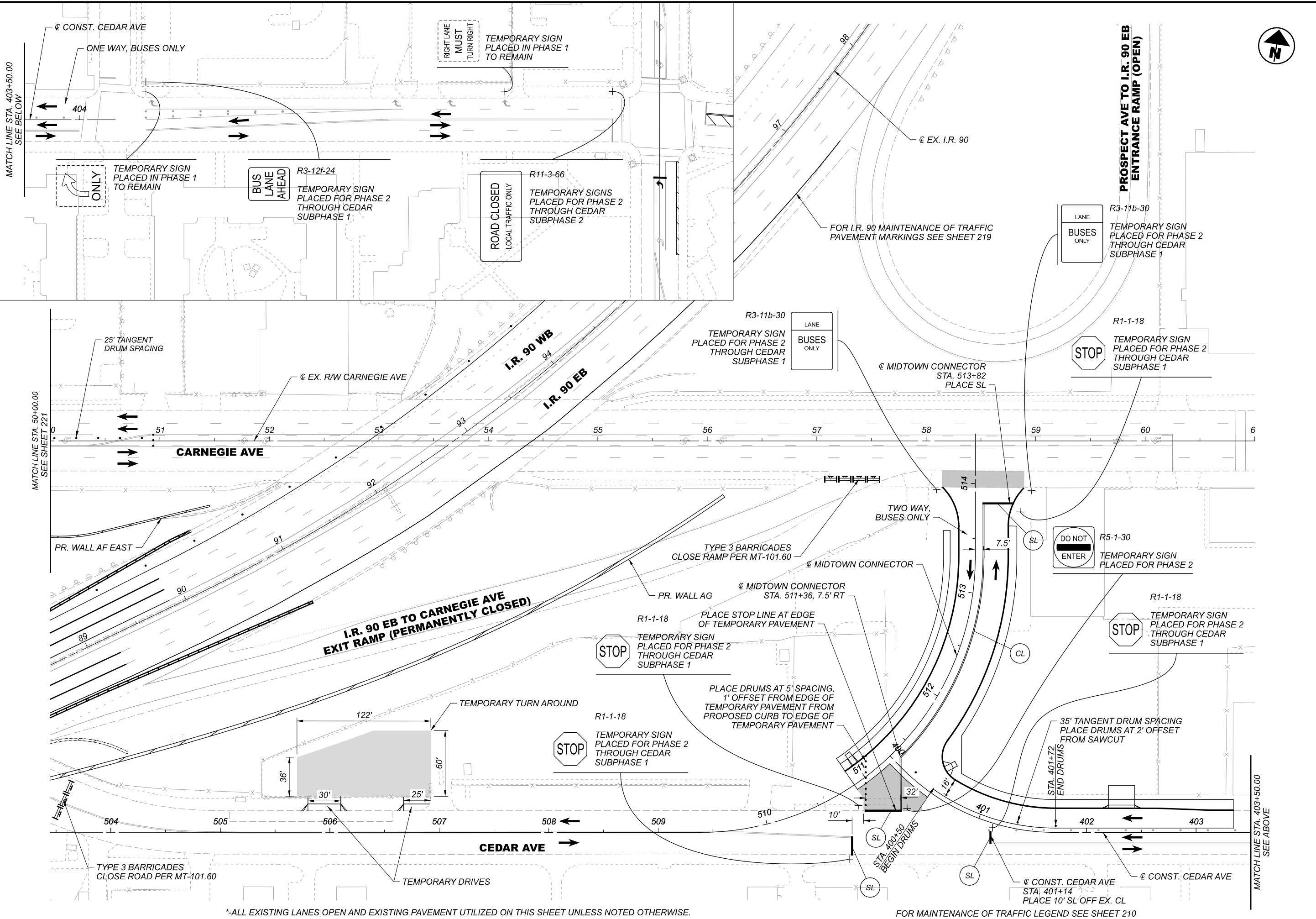
- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE
 2. REMOVE EXISTING SIGN FOR PHASE 2 PRIOR TO E. 22ND ST/ CEDAR AVE CLOSURE
 3. TEMPORARY SIGN PLACED FOR PHASE 2 PRIOR TO E. 22ND ST/ CEDAR AVE CLOSURE
 4. FOR SIGNAL HEAD PLACEMENT ALONG TEMPORARY SPAN WIRE, SEE SHEET 320
 5. FOR TRAFFIC SIGNAL STATIONS, OFFSETS, PULL BOX SIZES, AND CONDUIT SIZES, SEE TRAFFIC CONTROL PLAN SHEETS 1324 1327



MAINTENANCE OF TRAFFIC - PHASE 2
 CARNEGIE AVE - STA. 39+00.00 TO 50+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	221
TOTAL	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210



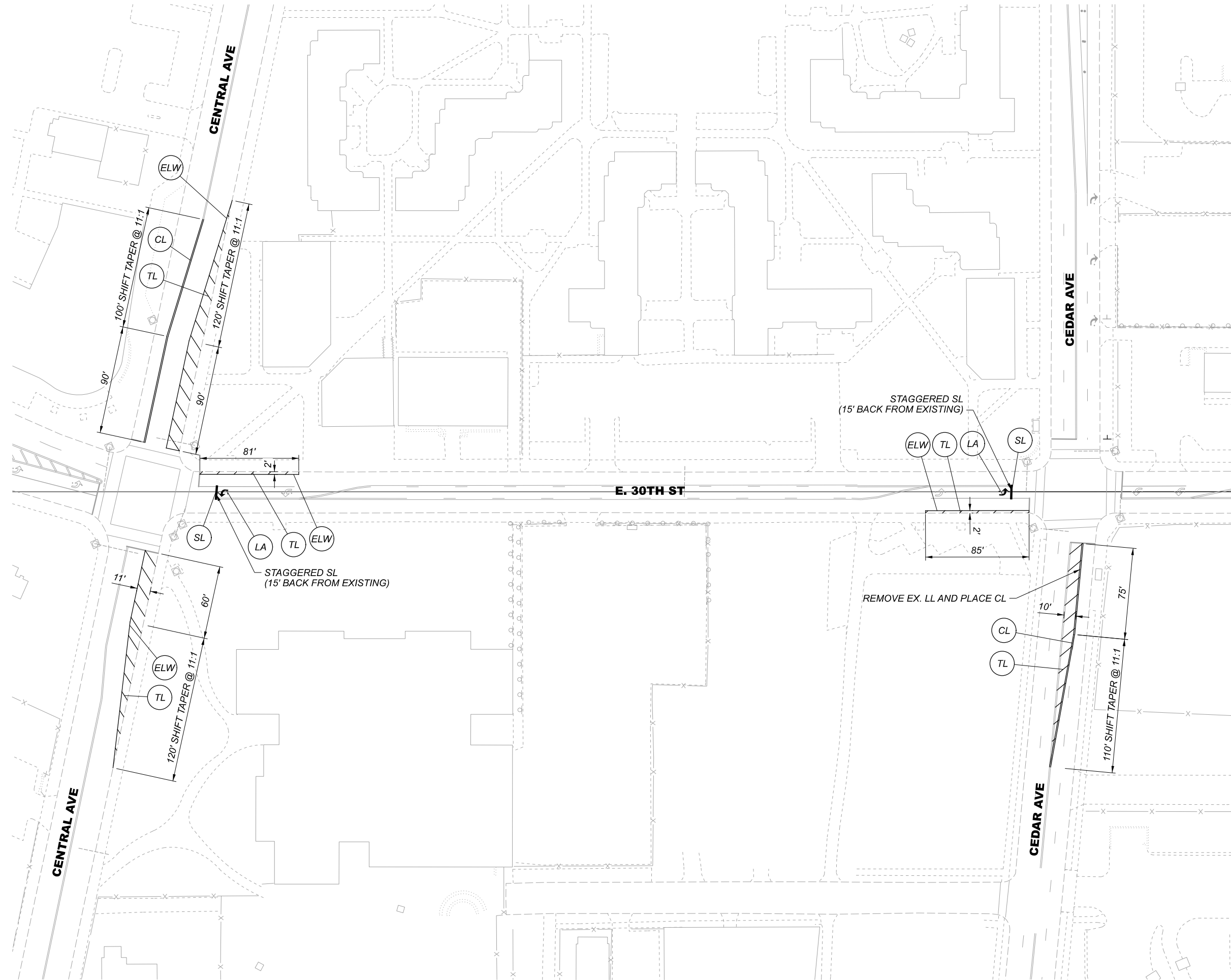
*ALL EXISTING LANES OPEN AND EXISTING PAVEMENT UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

MAINTENANCE OF TRAFFIC - PHASE 2
CARNEGIE AVE - STA. 50+00.00 TO END



DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	222
TOTAL	2339



FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 210

MAINTENANCE OF TRAFFIC - PHASE 2
E. 30TH ST - CENTRAL AVE TO CEDAR AVE

DESIGN AGENCY

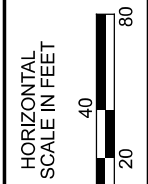
Michael Baker
INTERNATIONAL

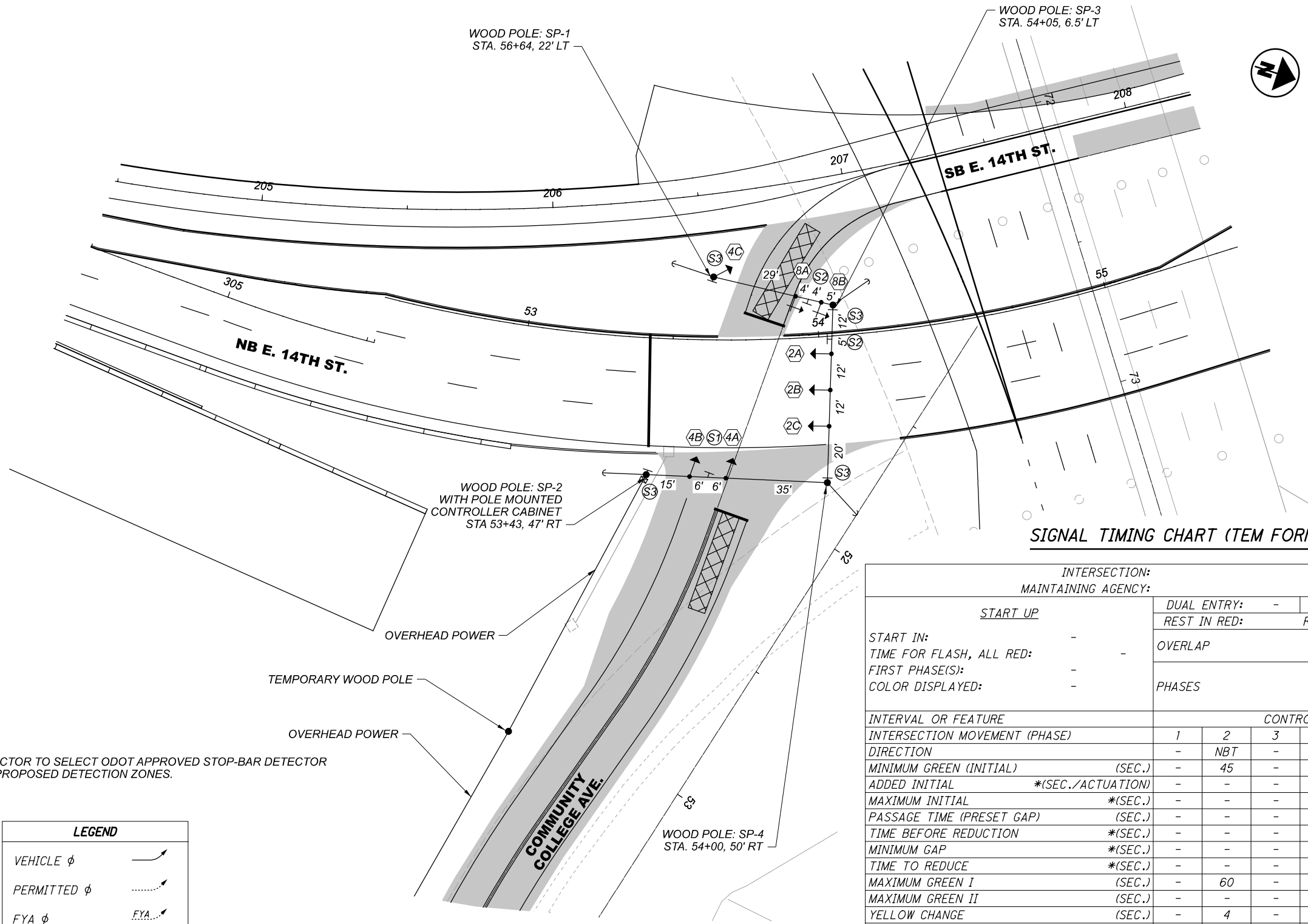
DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
223	2339

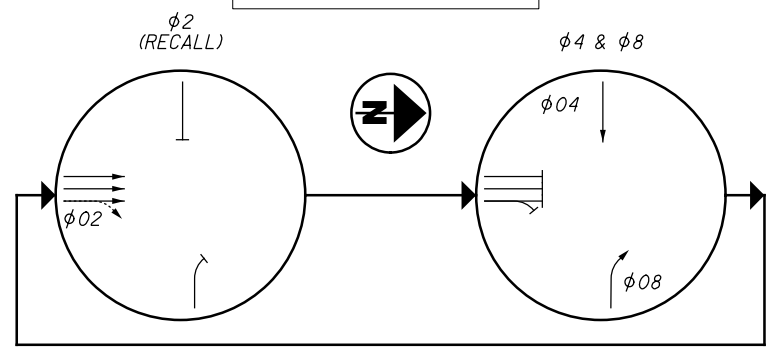




NOTES:
 1. CONTRACTOR TO SELECT ODOT APPROVED STOP-BAR DETECTOR AT THE PROPOSED DETECTION ZONES.

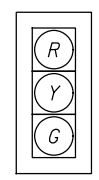
LEGEND

VEHICLE ϕ	
PERMITTED ϕ	
FYA ϕ	
PEDESTRIAN ϕ	

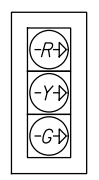


PROPOSED SIGNALS

VEHICULAR SIGNAL HEADS (12" LENS, LED, YELLOW, W/ REFLECTIVE BACKPLATES)



2A, 2B, 2C
4A, 4B, 4C



8A, 8B



R3-1-36



R3-2-36



R9-3-24






SIGNAL TIMING CHART (TEM FORM 496-3)

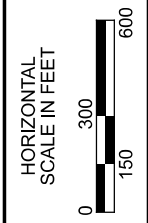
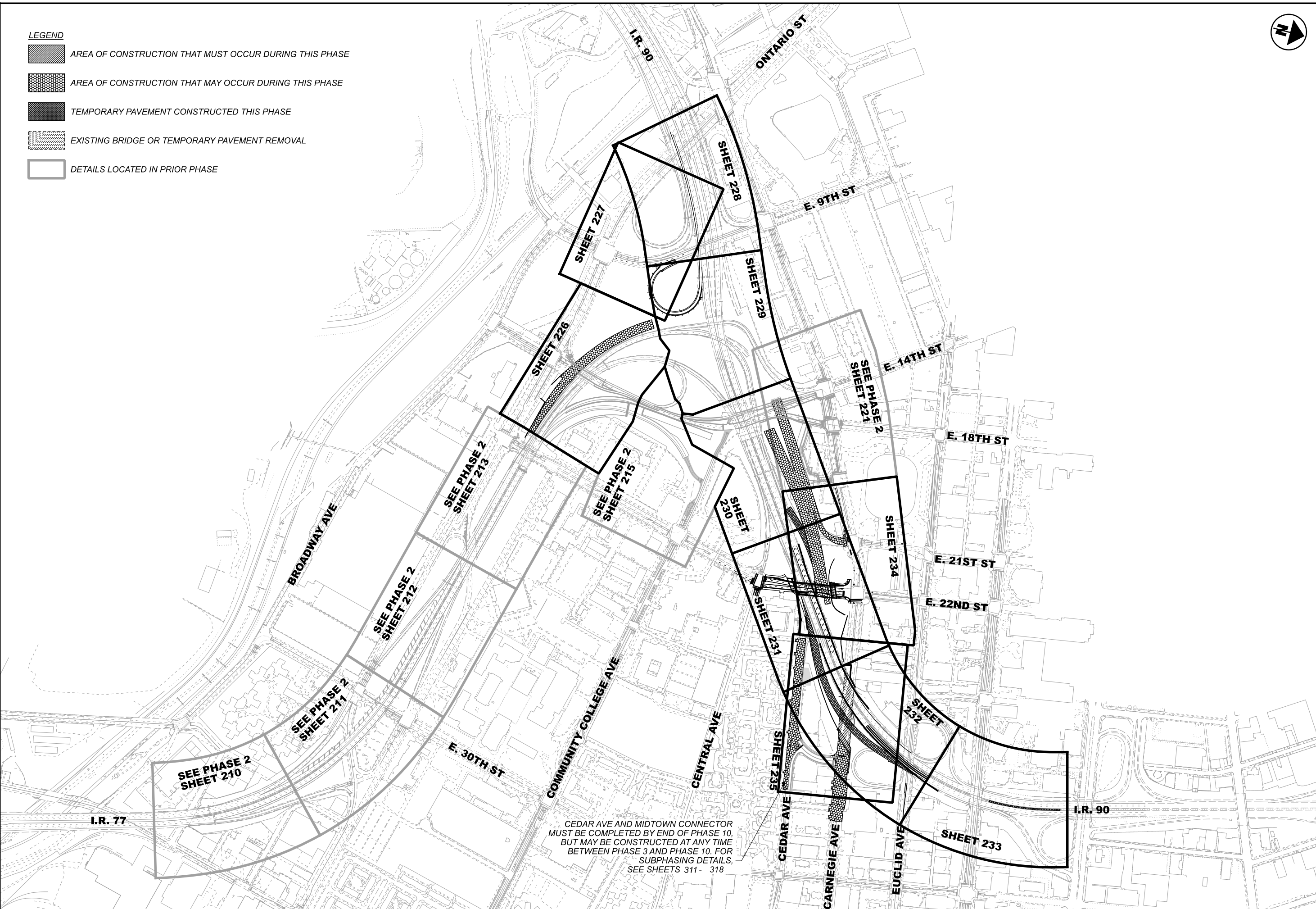
INTERSECTION:								
MAINTAINING AGENCY:								
START UP	DUAL ENTRY:		PHASES:					
	REST IN RED:		RING 1		RING 2			
START IN:	-	-	OVERLAP		A	B	C	D
TIME FOR FLASH, ALL RED:	-	-						
FIRST PHASE(S):	-	-	PHASES		-	-	-	-
COLOR DISPLAYED:	-	-						
INTERVAL OR FEATURE	CONTROLLER MOVEMENT NO.							
INTERSECTION MOVEMENT (PHASE)	1	2	3	4	5	6	7	8
DIRECTION	-	NBT	-	EBT	-	-	-	WBR
MINIMUM GREEN (INITIAL) (SEC.)	-	45	-	33	-	-	-	33
ADDED INITIAL *(SEC./ACTUATION)	-	-	-	-	-	-	-	-
MAXIMUM INITIAL *(SEC.)	-	-	-	-	-	-	-	-
PASSAGE TIME (PRESET GAP) (SEC.)	-	-	-	-	-	-	-	-
TIME BEFORE REDUCTION *(SEC.)	-	-	-	-	-	-	-	-
MINIMUM GAP *(SEC.)	-	-	-	-	-	-	-	-
TIME TO REDUCE *(SEC.)	-	-	-	-	-	-	-	-
MAXIMUM GREEN I (SEC.)	-	60	-	60	-	-	-	60
MAXIMUM GREEN II (SEC.)	-	-	-	-	-	-	-	-
YELLOW CHANGE (SEC.)	-	4	-	4	-	-	-	4
ALL RED CLEARANCE (SEC.)	-	2	-	2	-	-	-	2
DELAYED GREEN (LPI) # (SEC.)	-	-	-	-	-	-	-	-
WALK (SEC.)	-	-	-	-	-	-	-	-
FLASHING YELLOW ARROW DELAY ° (SEC.)	-	-	-	-	-	-	-	-
PEDESTRIAN CLEARANCE (SEC.)	-	-	-	-	-	-	-	-
RECALL	MAXIMUM (ON/OFF)	-	-	-	-	-	-	-
	MINIMUM (ON/OFF)	-	ON	-	-	-	-	-
	PEDESTRIAN (ON/OFF)	-	-	-	-	-	-	-
MEMORY (ON/OFF)	-	-	-	-	-	-	-	-

*VOLUME DENSITY CONTROLS

#FOR CROSSING WITH PEDESTRIAN PUSHBUTTONS, LPI'S (LEADING PEDESTRIAN INTERVALS) MAY BE IMPLEMENTED (3-6 SEC.) IN ACCORDANCE WITH LPI DURATION TIME PER THE ODOT SIGNAL CALCULATIONS - CLEARANCE INTERVALS SPREADSHEET.

*WHEN IMPLEMENTING FYA, A MINIMUM 3 SECOND DELAY SHALL BE PROGRAMMED.





























- LEGEND**
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 -  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 -  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 -  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
 -  DETAILS LOCATED IN PRIOR PHASE



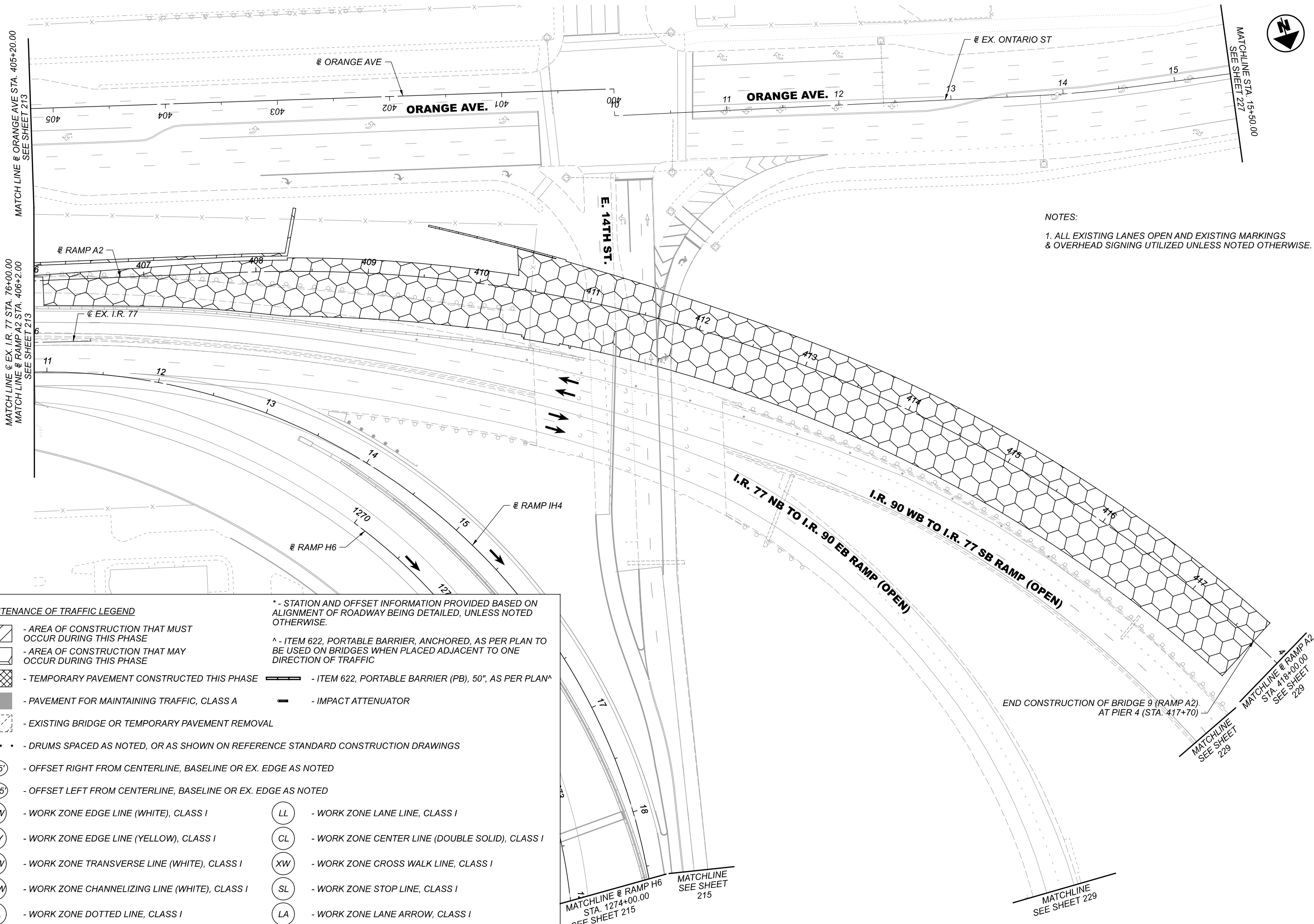
MAINTENANCE OF TRAFFIC - PHASE 3
 PLAN SHEET KEY

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
—	
REVIEWER	
—	
PROJECT ID	
82382	
SHEET	TOTAL
225	2339

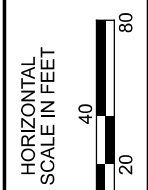
MAINTENANCE OF TRAFFIC LEGEND

- | | | | |
|---|--|---|--|
|  | - AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE |  | - ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN* |
|  | - AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE |  | - IMPACT ATTENUATOR |
|  | - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE |  | - DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS |
|  | - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A |  | - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED |
|  | - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL |  | - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED |
|  | - DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS |  | - WORK ZONE EDGE LINE (WHITE), CLASS I |
|  | - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED |  | - WORK ZONE EDGE LINE (YELLOW), CLASS I |
|  | - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED |  | - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I |
|  | - WORK ZONE EDGE LINE (WHITE), CLASS I |  | - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I |
|  | - WORK ZONE EDGE LINE (YELLOW), CLASS I |  | - WORK ZONE DOTTED LINE, CLASS I |
|  | - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I |  | - WORK ZONE LANE LINE, CLASS I |
|  | - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I |  | - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I |
|  | - WORK ZONE DOTTED LINE, CLASS I |  | - WORK ZONE CROSS WALK LINE, CLASS I |
| | |  | - WORK ZONE STOP LINE, CLASS I |
| | |  | - WORK ZONE LANE ARROW, CLASS I |

* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.
 ^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC



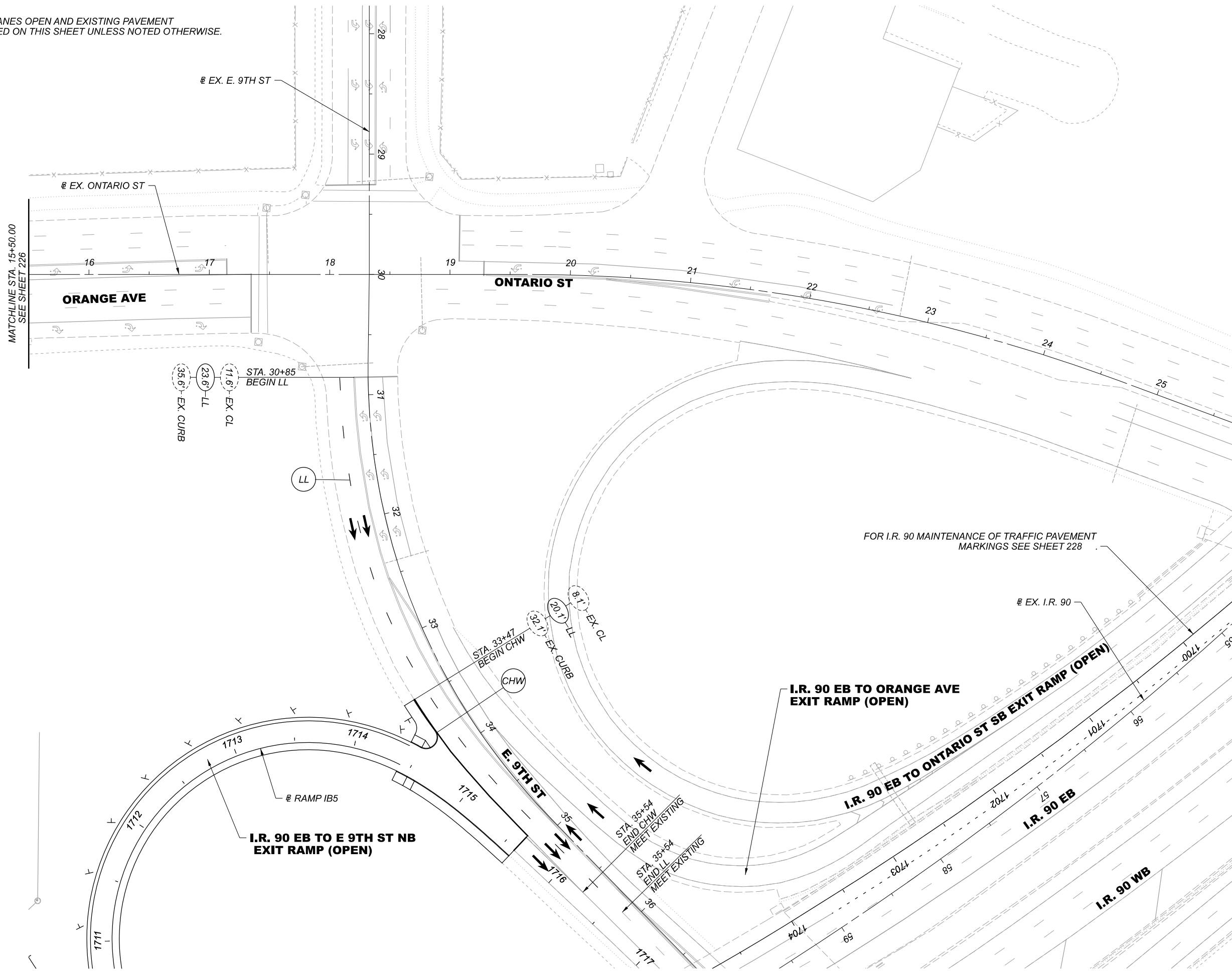
NOTES:
 1. ALL EXISTING LANES OPEN AND EXISTING MARKINGS & OVERHEAD SIGNING UTILIZED UNLESS NOTED OTHERWISE.



MAINTENANCE OF TRAFFIC - PHASE 3
 I.R. 77 - STA. 76+00.00 TO END / RAMP A2 STA. 406+2.00 TO STA. 418+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	226
TOTAL	2339

NOTES:
 1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 226

MAINTENANCE OF TRAFFIC - PHASE 3
 ONTARIO ST - STA. 15+50.00 TO END

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

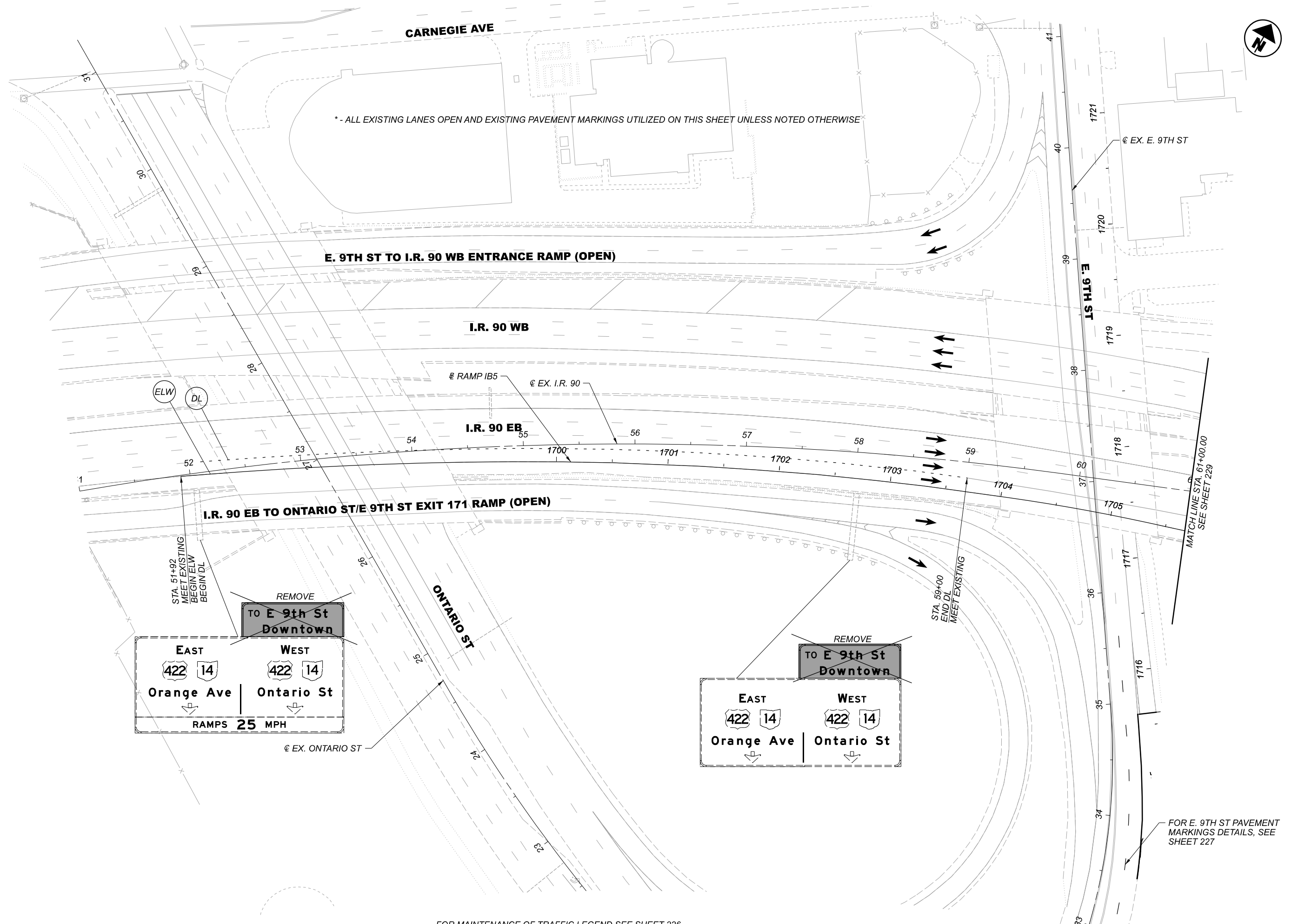
REVIEWER

PROJECT ID

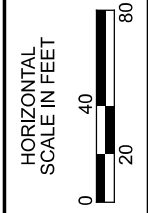
82382

SHEET TOTAL

227 2339



FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 226

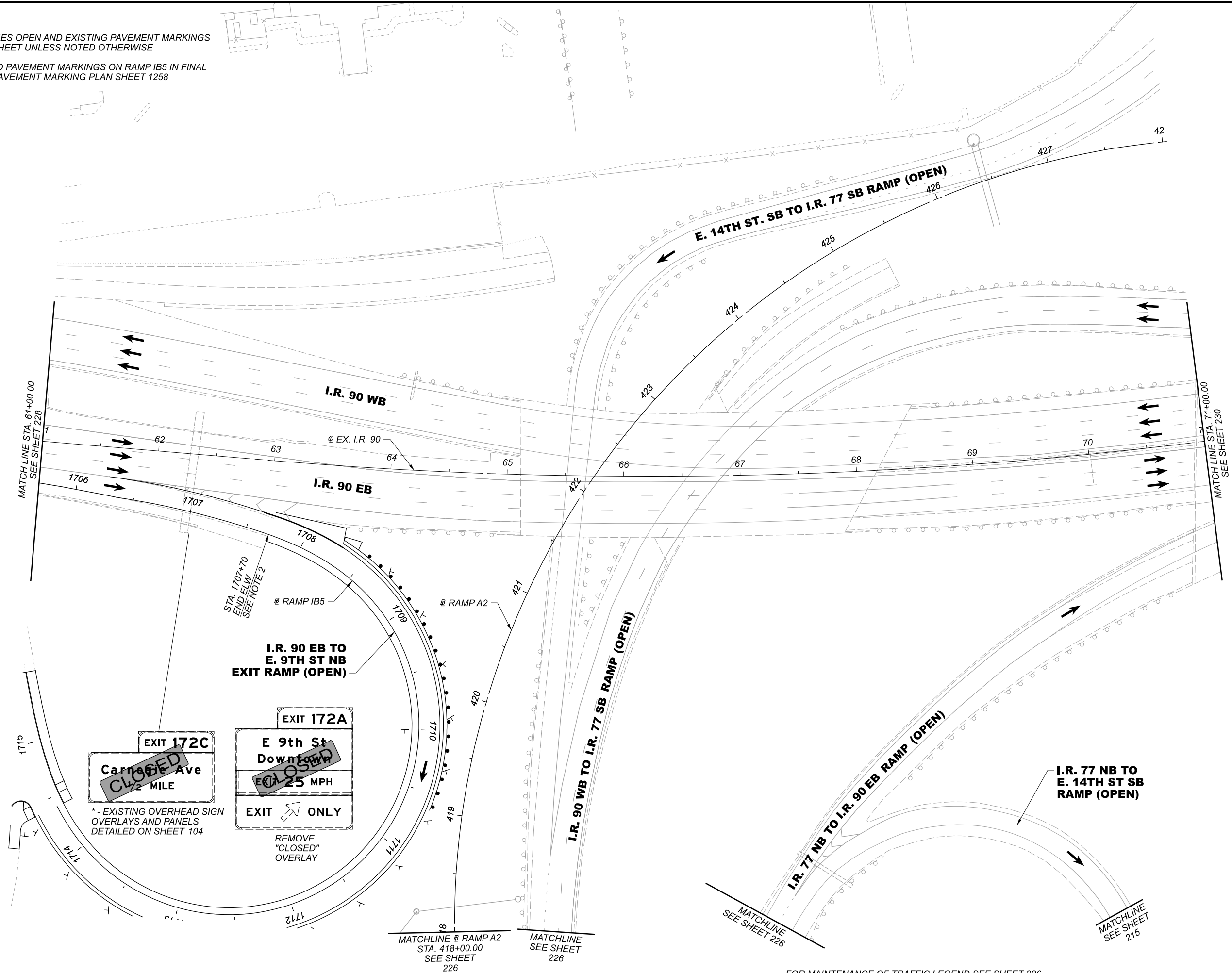


MAINTENANCE OF TRAFFIC - PHASE 3
 I.R. 90 - BEGIN TO STA. 61+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	
82382	
SHEET	TOTAL
228	2339

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE
2. PLACE PROPOSED PAVEMENT MARKINGS ON RAMP IB5 IN FINAL CONDITIONS. SEE PAVEMENT MARKING PLAN SHEET 1258



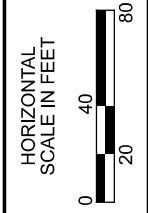
EXIT 172C
 Carnegie Ave
 2 MILE

* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 104

EXIT 172A
 E 9th St
 Downtown
 25 MPH

EXIT ONLY

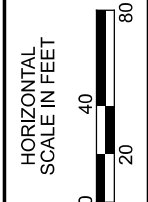
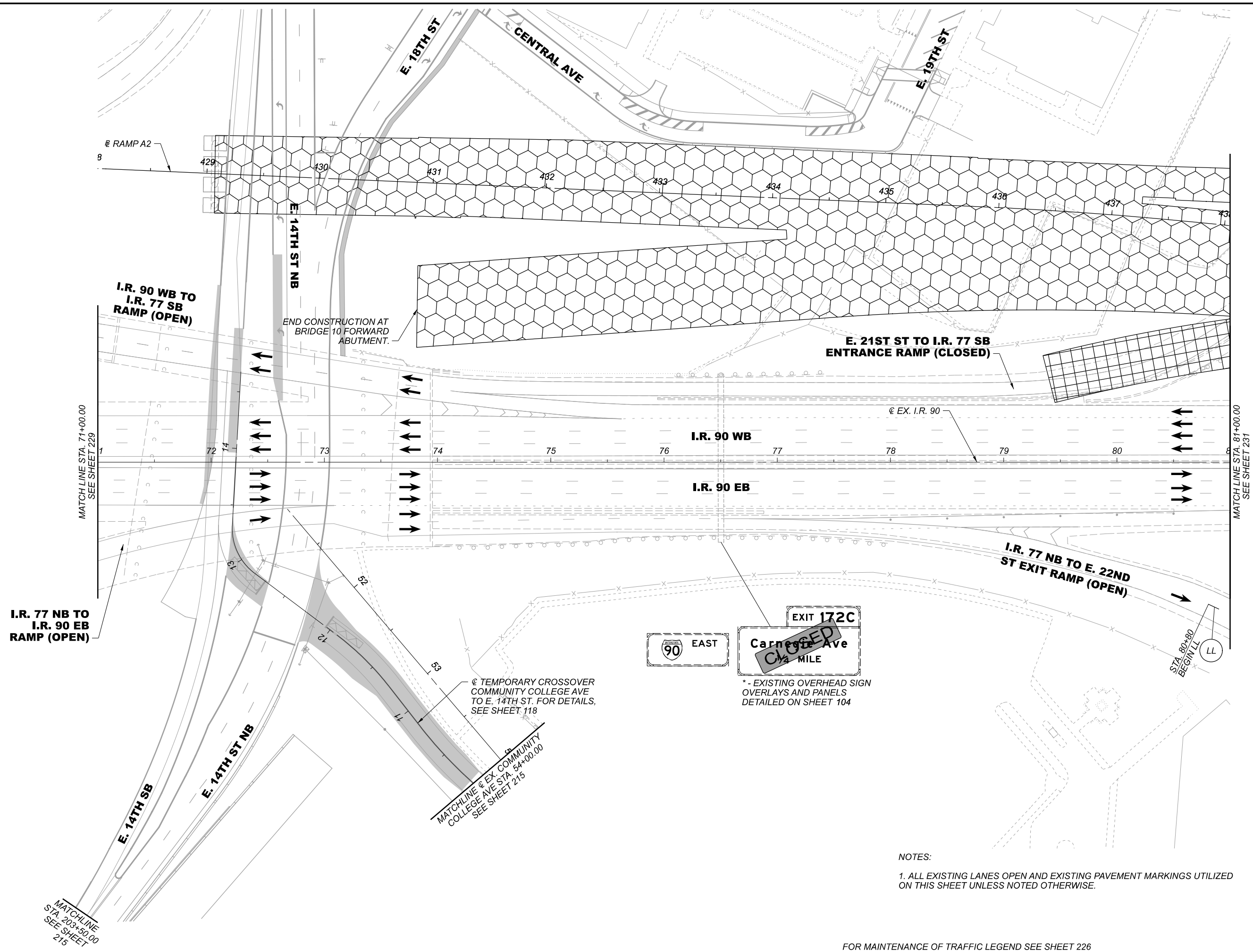
REMOVE "CLOSED" OVERLAY



MAINTENANCE OF TRAFFIC - PHASE 3
 I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
229	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 226



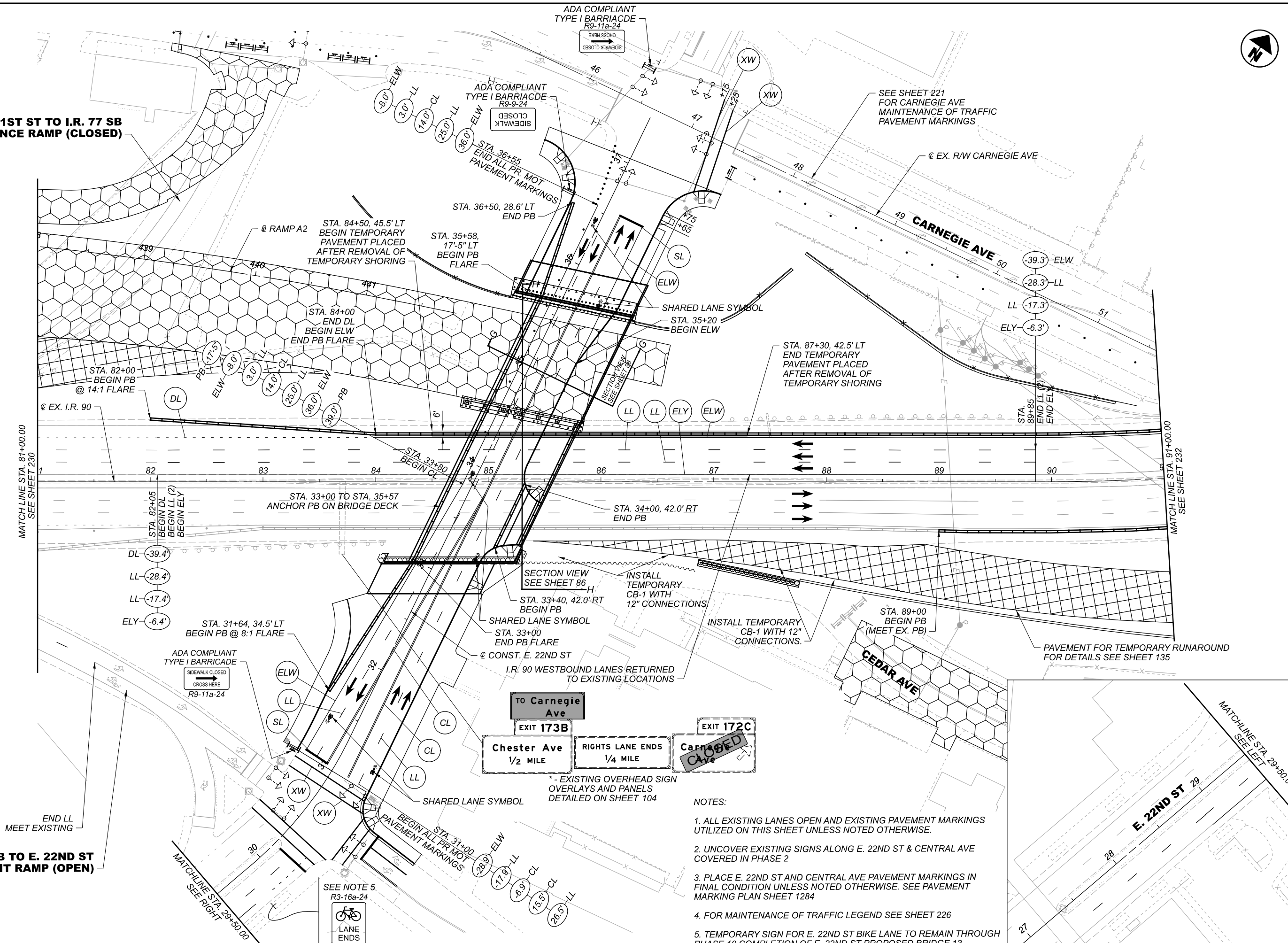
MAINTENANCE OF TRAFFIC - PHASE 3
 I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	230
TOTAL	2339

E. 21ST ST TO I.R. 77 SB
ENTRANCE RAMP (CLOSED)

I.R. 77 NB TO E. 22ND ST
EXIT RAMP (OPEN)



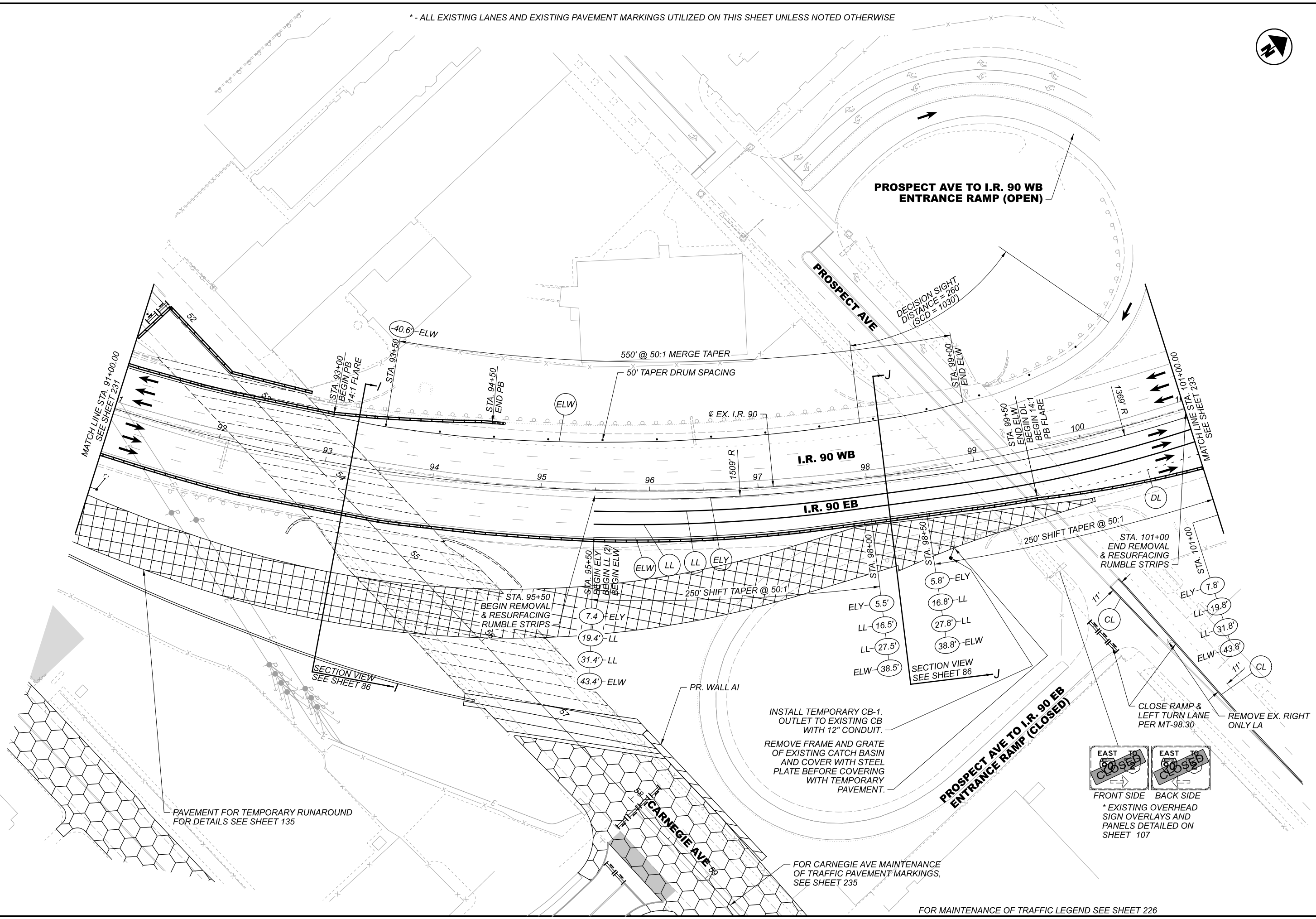
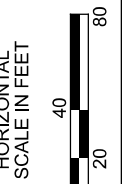
MAINTENANCE OF TRAFFIC - PHASE 3
I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. UNCOVER EXISTING SIGNS ALONG E. 22ND ST & CENTRAL AVE COVERED IN PHASE 2
3. PLACE E. 22ND ST AND CENTRAL AVE PAVEMENT MARKINGS IN FINAL CONDITION UNLESS NOTED OTHERWISE. SEE PAVEMENT MARKING PLAN SHEET 1284
4. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 226
5. TEMPORARY SIGN FOR E. 22ND ST BIKE LANE TO REMAIN THROUGH PHASE 10 COMPLETION OF E. 22ND ST PROPOSED BRIDGE 13.

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	231
TOTAL	2339

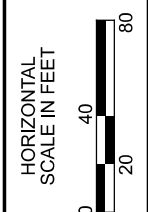
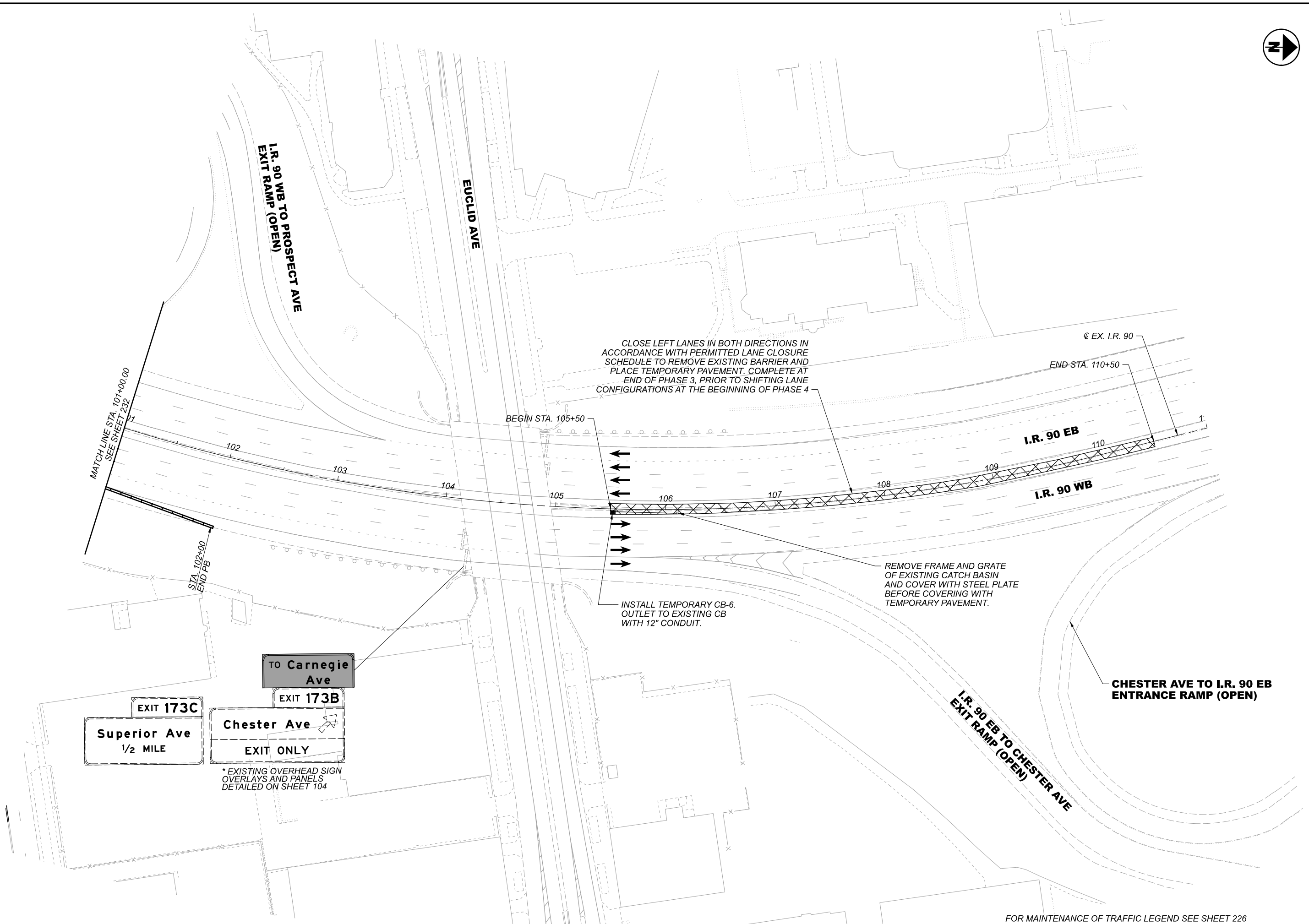
* - ALL EXISTING LANES AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE



MAINTENANCE OF TRAFFIC - PHASE 3
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00

DESIGN AGENCY	Michael Baker International
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	232
TOTAL	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 226

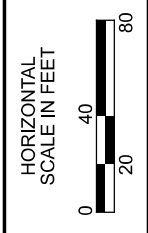
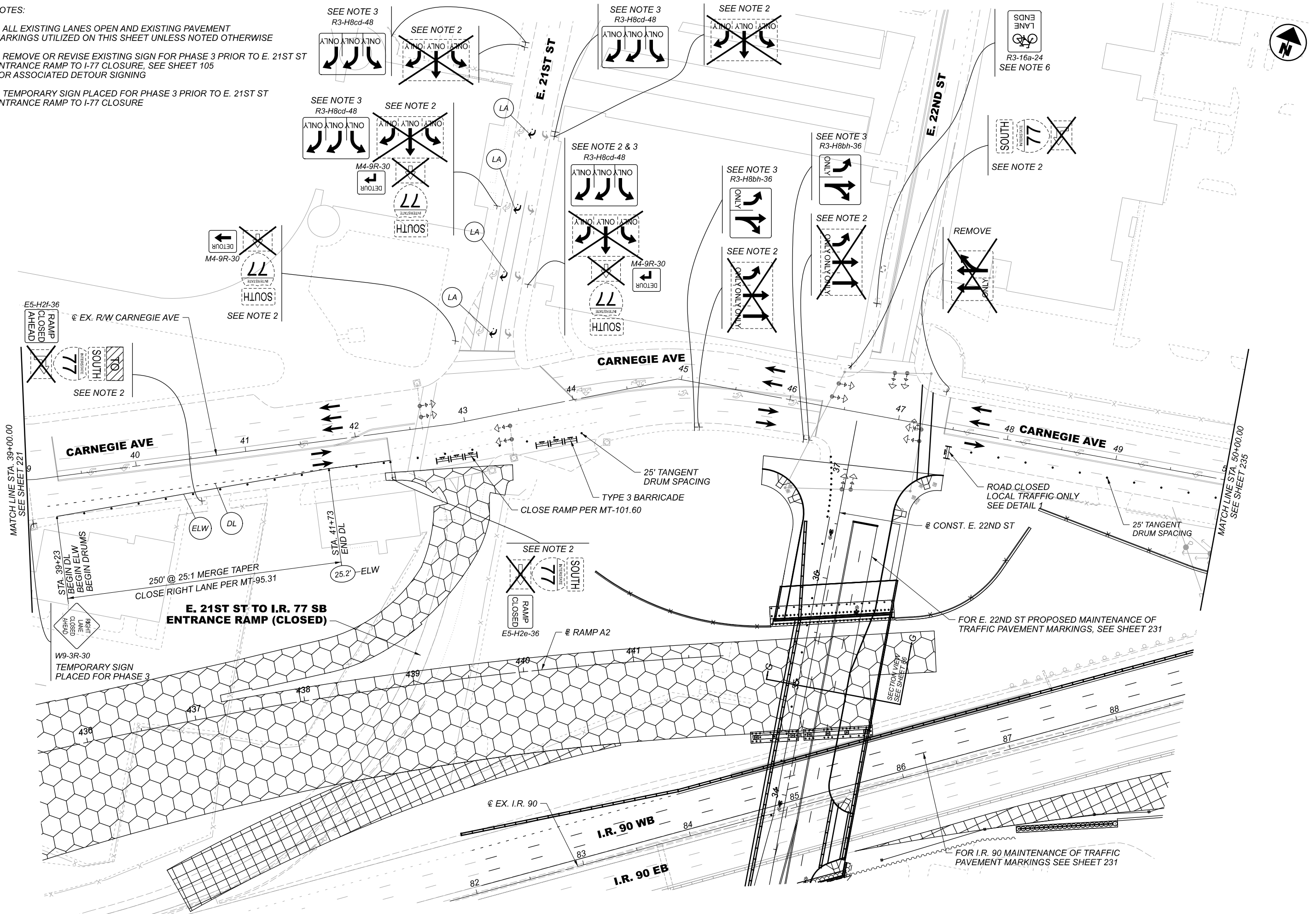


MAINTENANCE OF TRAFFIC - PHASE 3
I.R. 90 - STA. 101+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	233
TOTAL	2339

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE
2. REMOVE OR REVISE EXISTING SIGN FOR PHASE 3 PRIOR TO E. 21ST ST ENTRANCE RAMP TO I-77 CLOSURE. SEE SHEET 105 FOR ASSOCIATED DETOUR SIGNING
3. TEMPORARY SIGN PLACED FOR PHASE 3 PRIOR TO E. 21ST ST ENTRANCE RAMP TO I-77 CLOSURE



MAINTENANCE OF TRAFFIC - PHASE 3
CARNEGIE AVE - STA. 39+00.00 TO STA. 50+00.00

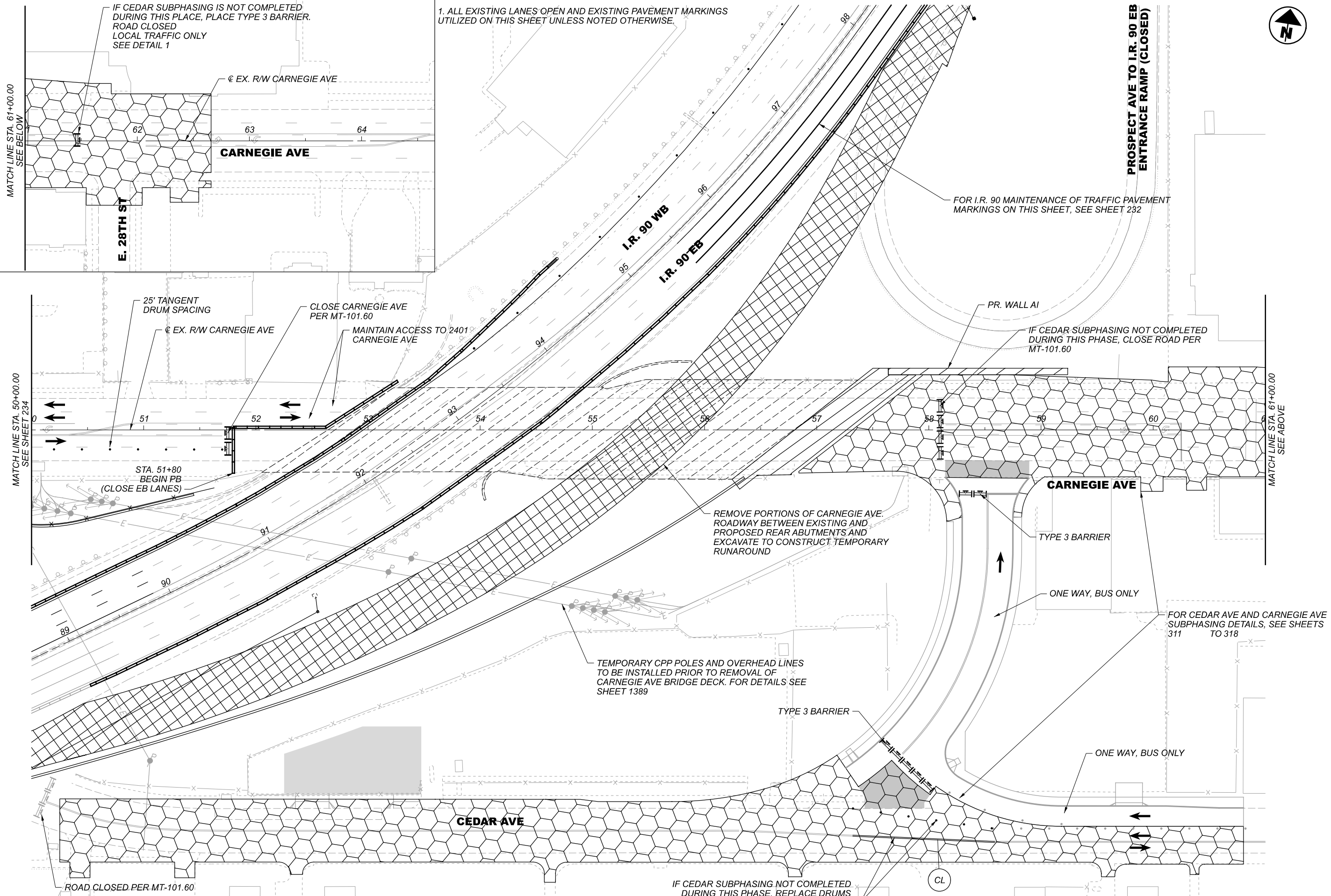
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	234
TOTAL	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 226

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 226

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



IF CEDAR SUBPHASING IS NOT COMPLETED DURING THIS PLACE, PLACE TYPE 3 BARRIER. ROAD CLOSED LOCAL TRAFFIC ONLY SEE DETAIL 1

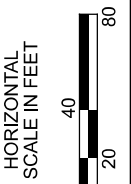
FOR I.R. 90 MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS ON THIS SHEET, SEE SHEET 232

IF CEDAR SUBPHASING NOT COMPLETED DURING THIS PHASE, CLOSE ROAD PER MT-101.60

REMOVE PORTIONS OF CARNEGIE AVE. ROADWAY BETWEEN EXISTING AND PROPOSED REAR ABUTMENTS AND EXCAVATE TO CONSTRUCT TEMPORARY RUNAROUND

TEMPORARY CPP POLES AND OVERHEAD LINES TO BE INSTALLED PRIOR TO REMOVAL OF CARNEGIE AVE BRIDGE DECK. FOR DETAILS SEE SHEET 1389

IF CEDAR SUBPHASING NOT COMPLETED DURING THIS PHASE, REPLACE DRUMS AND CL BACK TO PHASE 1 CONDITION



MAINTENANCE OF TRAFFIC - PHASE 3
 CARNEGIE AVE - STA. 50+00.00 TO END

DESIGN AGENCY






Michael Baker INTERNATIONAL

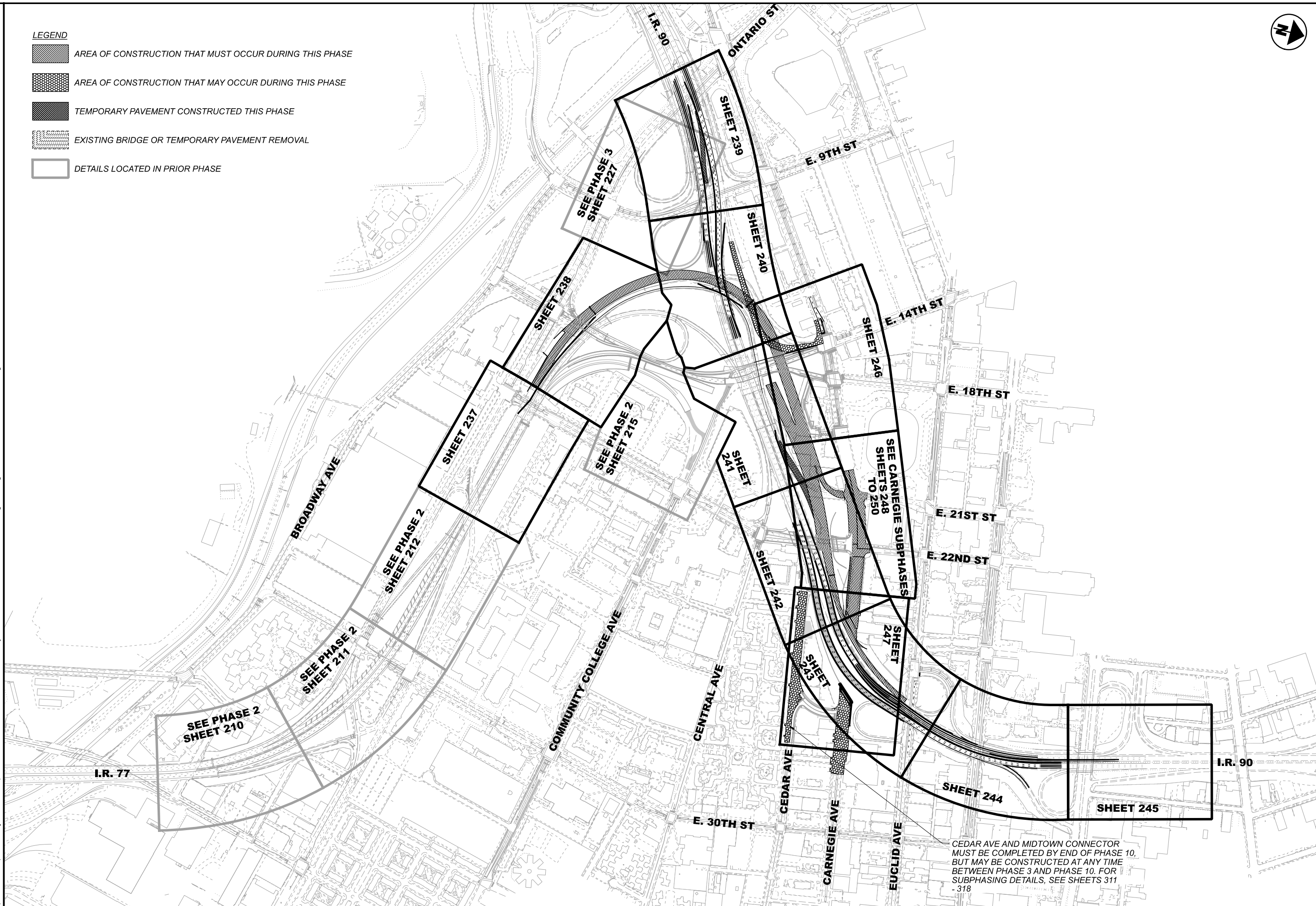
DESIGNER

REVIEWER

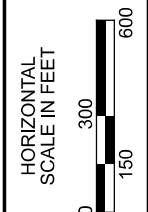
PROJECT ID
 82382

SHEET	TOTAL
235	2339

- LEGEND**
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 -  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 -  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 -  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
 -  DETAILS LOCATED IN PRIOR PHASE



CEDAR AVE AND MIDTOWN CONNECTOR
 MUST BE COMPLETED BY END OF PHASE 10,
 BUT MAY BE CONSTRUCTED AT ANY TIME
 BETWEEN PHASE 3 AND PHASE 10. FOR
 SUBPHASING DETAILS, SEE SHEETS 311
 - 318

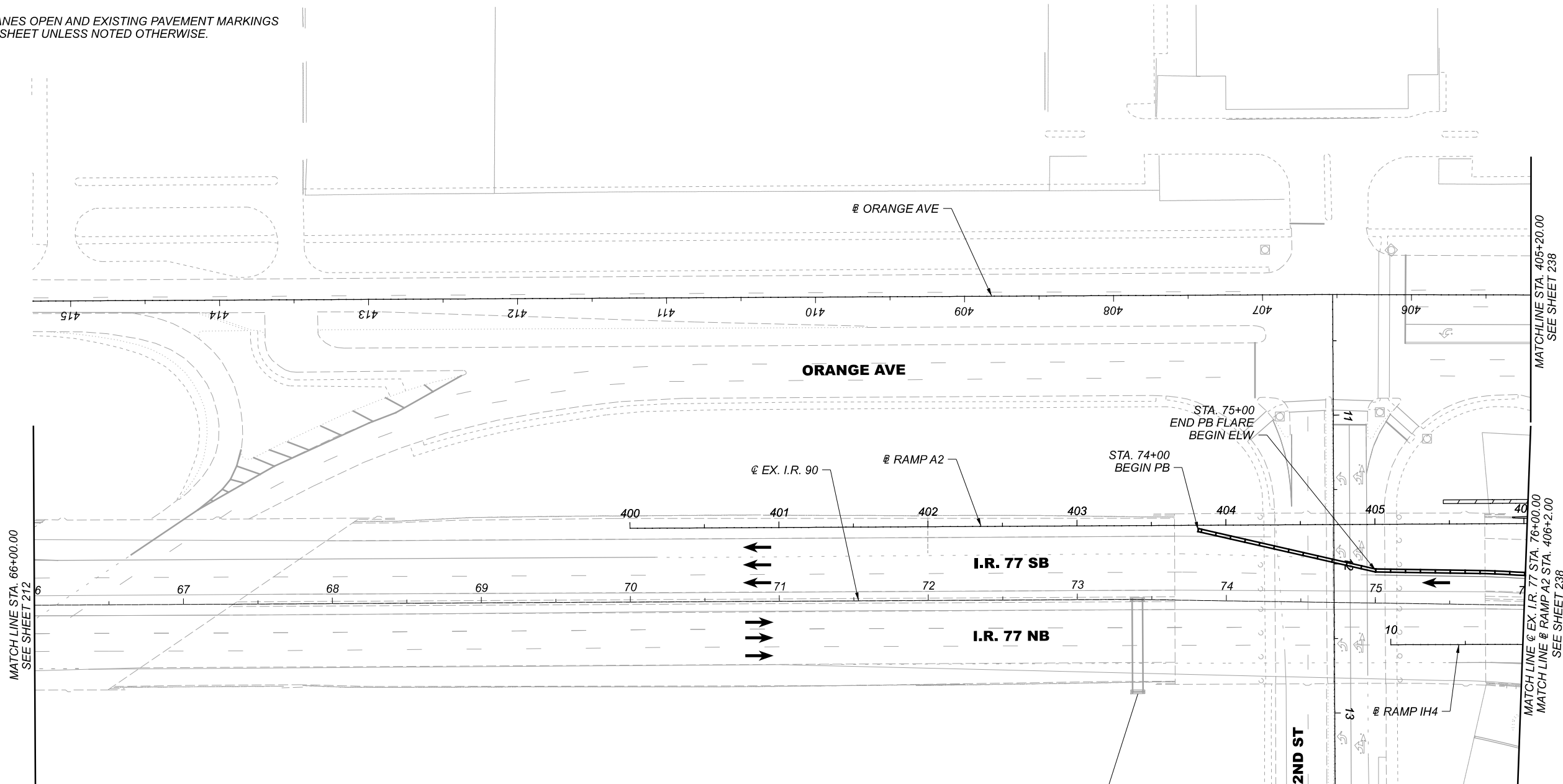


MAINTENANCE OF TRAFFIC - PHASE 4
 SHEET PLAN KEY

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
236	2339

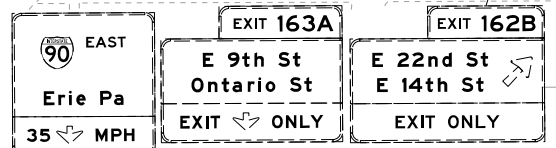
NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



MAINTENANCE OF TRAFFIC LEGEND

- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 - AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
 - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
 - DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
 - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
 - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
 - WORK ZONE EDGE LINE (WHITE), CLASS I
 - WORK ZONE EDGE LINE (YELLOW), CLASS I
 - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
 - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
 - WORK ZONE DOTTED LINE, CLASS I
 - WORK ZONE LANE LINE, CLASS I
 - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
 - WORK ZONE CROSS WALK LINE, CLASS I
 - WORK ZONE STOP LINE, CLASS I
 - WORK ZONE LANE ARROW, CLASS I
- * - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.
- ^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC
- ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN*
- IMPACT ATTENUATOR

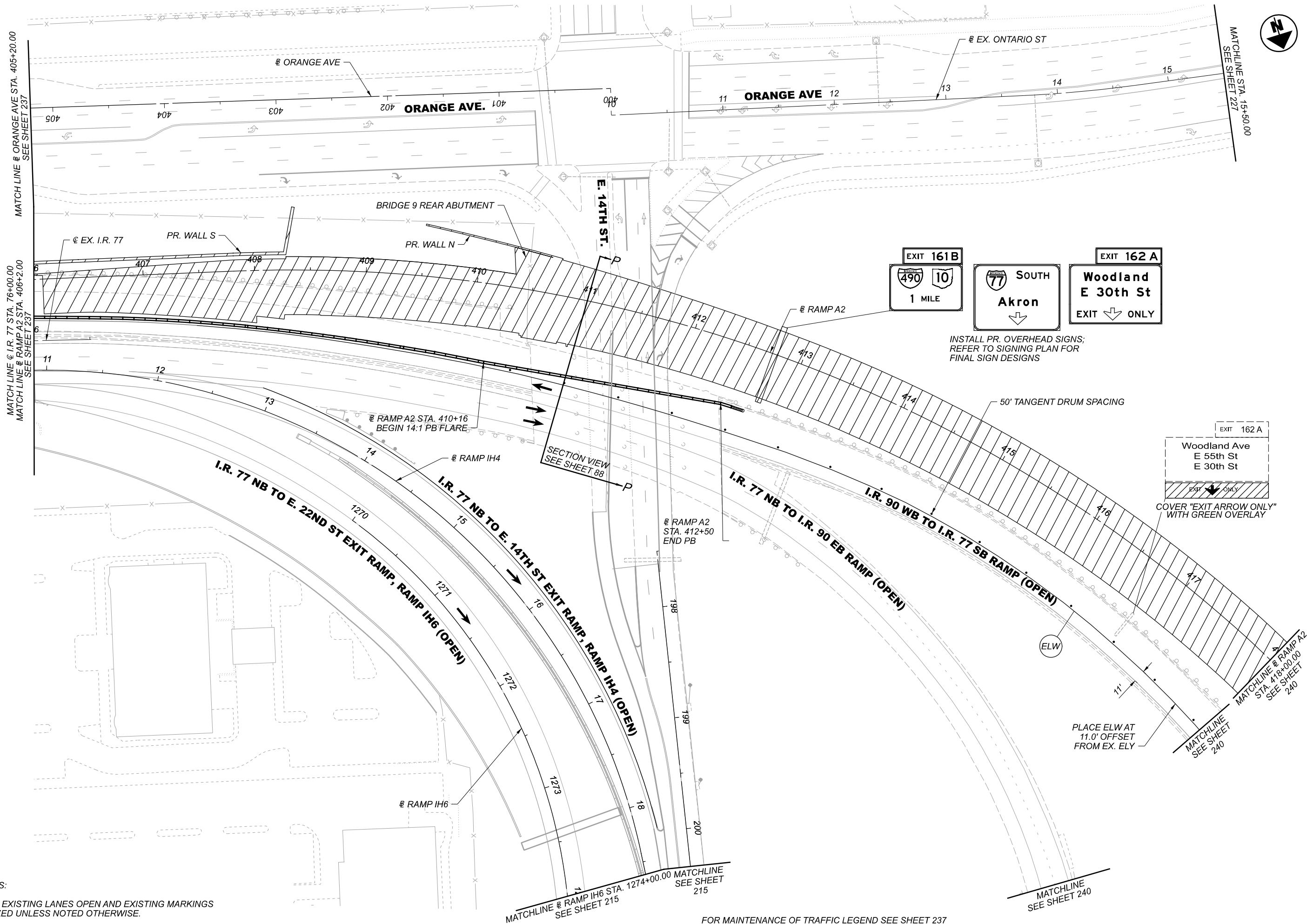


MAINTENANCE OF TRAFFIC - PHASE 4
 I.R. 77 - STA. 66+00.00 TO STA. 76+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	237
TOTAL	2339

NOTES:

- 1. ALL EXISTING LANES OPEN AND EXISTING MARKINGS UTILIZED UNLESS NOTED OTHERWISE.



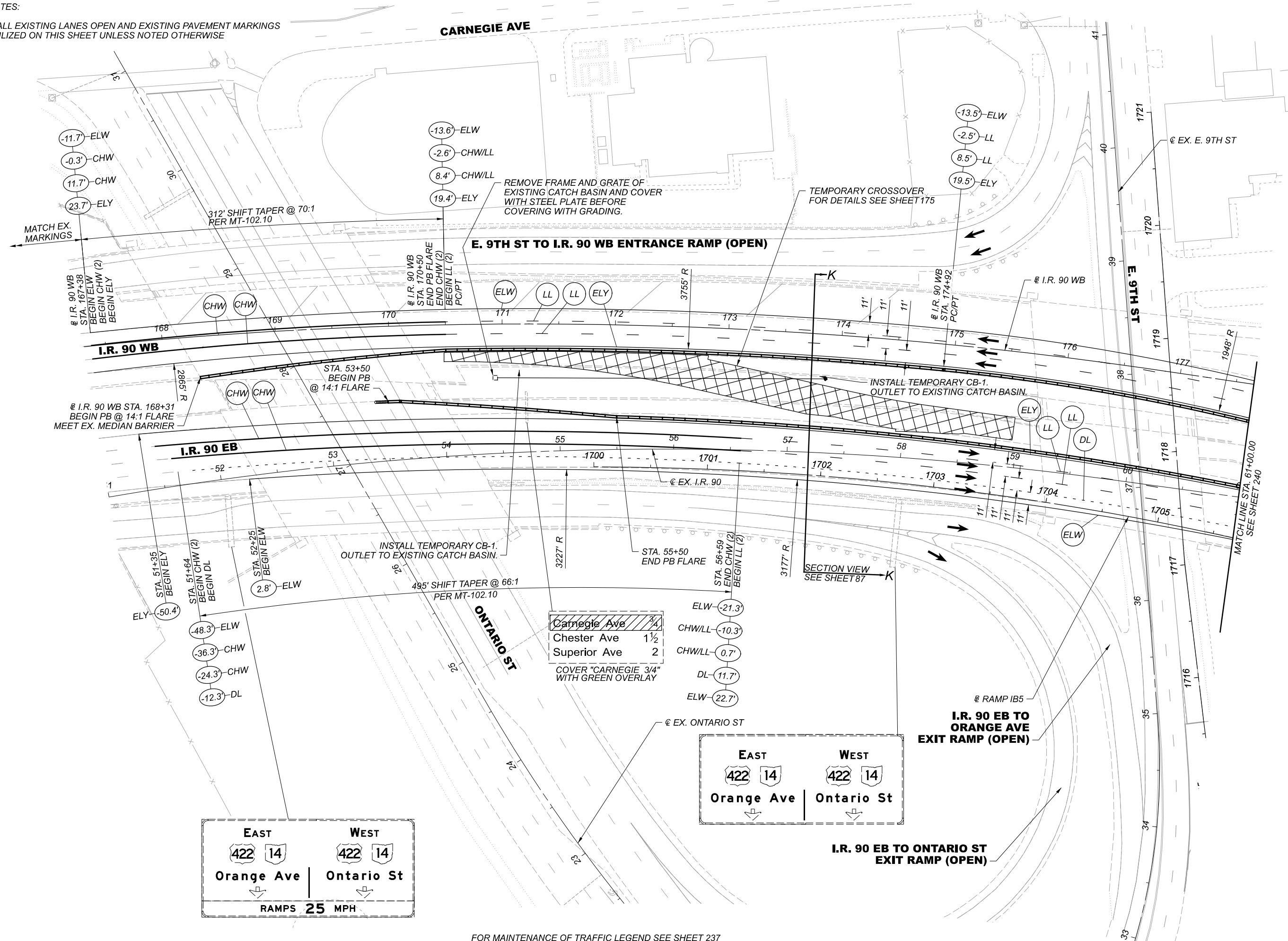
FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237



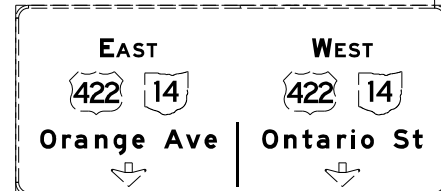
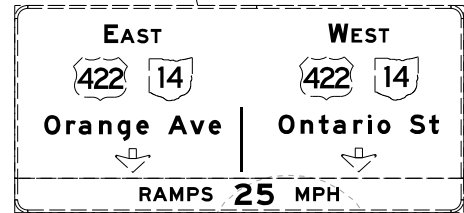
MAINTENANCE OF TRAFFIC - PHASE 4
 I.R. 77 - STA. 76+00.00 TO END / RAMP A2 - STA. 406+2.00 TO STA. 418+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	238
TOTAL	2339

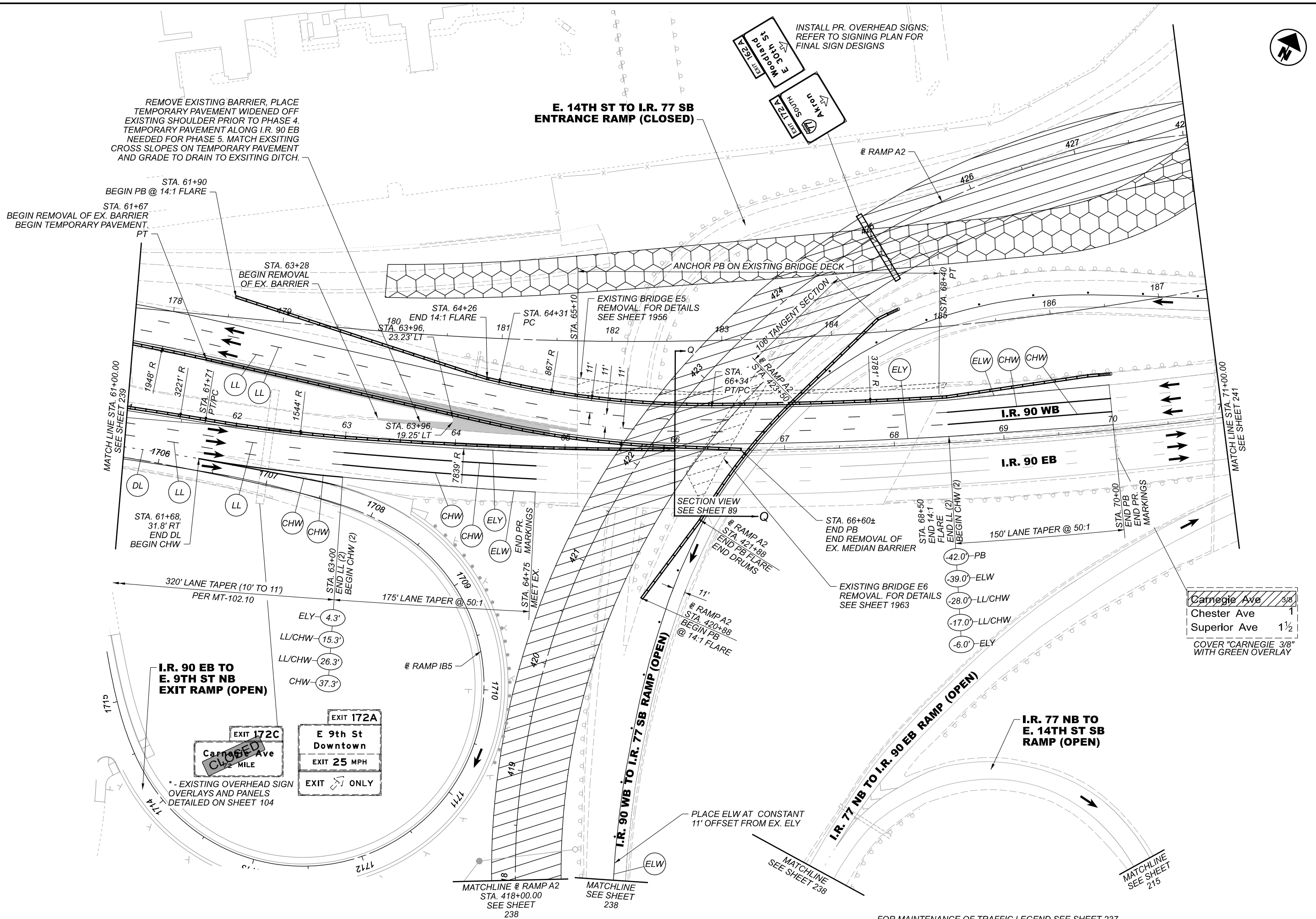
NOTES:
 1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE



MAINTENANCE OF TRAFFIC - PHASE 4
I.R. 90 - BEGIN TO STA. 61+00.00



DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	239
TOTAL	2339



REMOVE EXISTING BARRIER, PLACE TEMPORARY PAVEMENT WIDENED OFF EXISTING SHOULDER PRIOR TO PHASE 4. TEMPORARY PAVEMENT ALONG I.R. 90 EB NEEDED FOR PHASE 5. MATCH EXISTING CROSS SLOPES ON TEMPORARY PAVEMENT AND GRADE TO DRAIN TO EXSITING DITCH.

E. 14TH ST TO I.R. 77 SB ENTRANCE RAMP (CLOSED)

INSTALL PR. OVERHEAD SIGNS; REFER TO SIGNING PLAN FOR FINAL SIGN DESIGNS

STA. 61+90
BEGIN PB @ 14:1 FLARE
STA. 61+67
BEGIN REMOVAL OF EX. BARRIER
BEGIN TEMPORARY PAVEMENT.
PT

STA. 63+28
BEGIN REMOVAL OF EX. BARRIER

EXISTING BRIDGE E5
REMOVAL. FOR DETAILS
SEE SHEET 1956

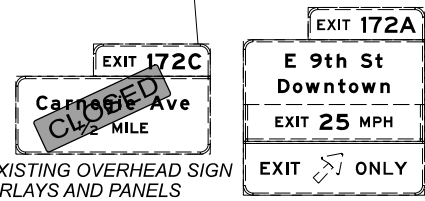
SECTION VIEW
SEE SHEET 89

STA. 66+60±
END PB
END REMOVAL OF
EX. MEDIAN BARRIER

STA. 68+50
END 14:1
FLARE
END LL (2)
BEGIN CHW (2)

EXISTING BRIDGE E6
REMOVAL. FOR DETAILS
SEE SHEET 1963

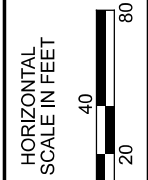
**I.R. 90 EB TO
E. 9TH ST NB
EXIT RAMP (OPEN)**



**I.R. 77 NB TO
E. 14TH ST SB
RAMP (OPEN)**

Carnegie Ave	3/8
Chester Ave	1
Superior Ave	1 1/2

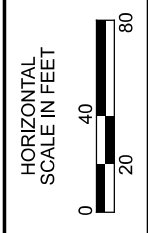
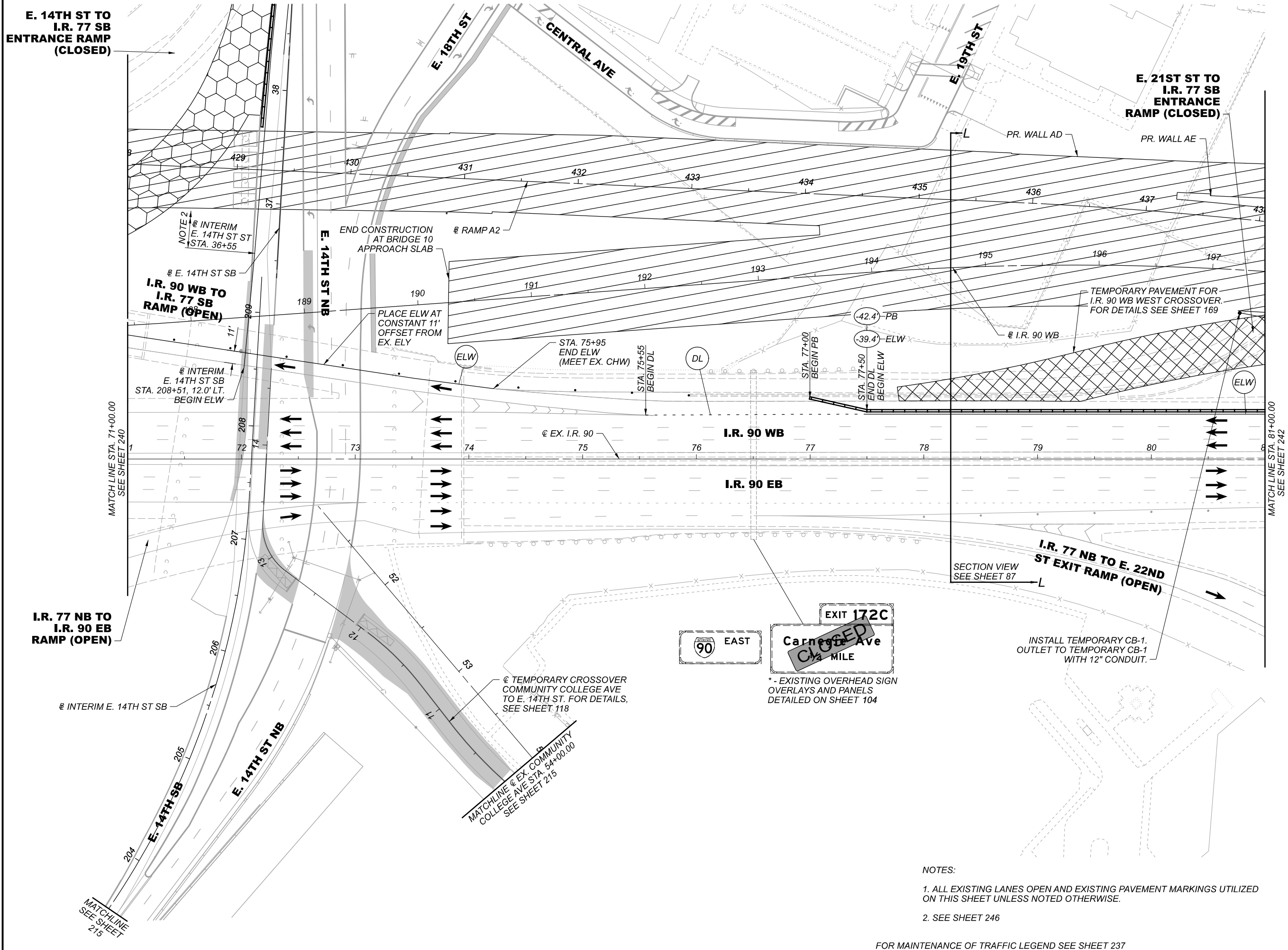
COVER "CARNEGIE 3/8" WITH GREEN OVERLAY



MAINTENANCE OF TRAFFIC - PHASE 4
I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	240
TOTAL	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237



MAINTENANCE OF TRAFFIC - PHASE 4
I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

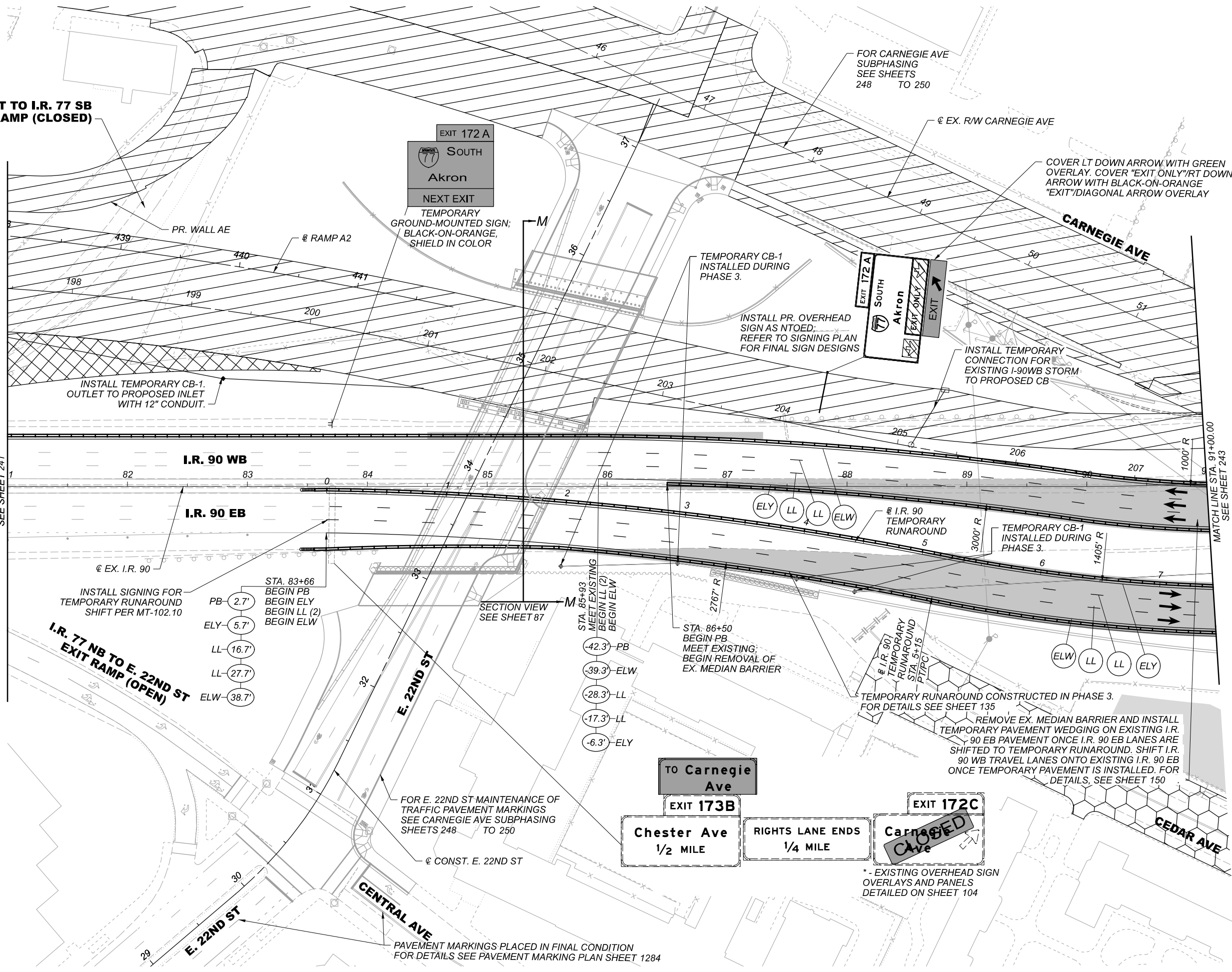
- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
 2. SEE SHEET 246

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	241
TOTAL	2339

E. 21ST ST TO I.R. 77 SB
ENTRANCE RAMP (CLOSED)

MATCH LINE STA. 81+00.00
SEE SHEET 241



INSTALL TEMPORARY CB-1.
OUTLET TO PROPOSED INLET
WITH 12" CONDUIT.

INSTALL SIGNING FOR
TEMPORARY RUNAROUND
SHIFT PER MT-102.10

- STA. 83+66
BEGIN PB
- ELY - 2.7'
- LL - 5.7'
- LL - 16.7'
- LL - 27.7'
- ELW - 38.7'

SECTION VIEW
SEE SHEET 87

- STA. 85+93
MEET EXISTING
BEGIN LL (2)
- BEGIN ELW
- 42.3' - PB
- 39.3' - ELW
- 28.3' - LL
- 17.3' - LL
- 6.3' - ELY

FOR E. 22ND ST MAINTENANCE OF
TRAFFIC PAVEMENT MARKINGS
SEE CARNEGIE AVE SUBPHASING
SHEETS 248 TO 250

TO Carnegie Ave
EXIT 173B
Chester Ave
1/2 MILE

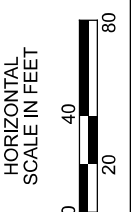
RIGHTS LANE ENDS
1/4 MILE

EXIT 172C
Carnegie Ave
CLOSED

* - EXISTING OVERHEAD SIGN
OVERLAYS AND PANELS
DETAILED ON SHEET 104

PAVEMENT MARKINGS PLACED IN FINAL CONDITION
FOR DETAILS SEE PAVEMENT MARKING PLAN SHEET 1284

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237



MAINTENANCE OF TRAFFIC - PHASE 4
I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY

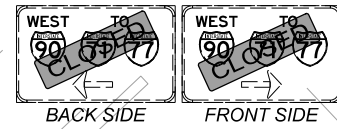
Michael Baker
INTERNATIONAL

DESIGNER

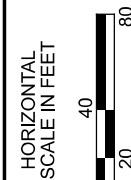
REVIEWER

PROJECT ID
82382

SHEET TOTAL
242 2339



BACK SIDE FRONT SIDE
*EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 107



MAINTENANCE OF TRAFFIC - PHASE 4
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00

DESIGN AGENCY

Michael Baker INTERNATIONAL

DESIGNER

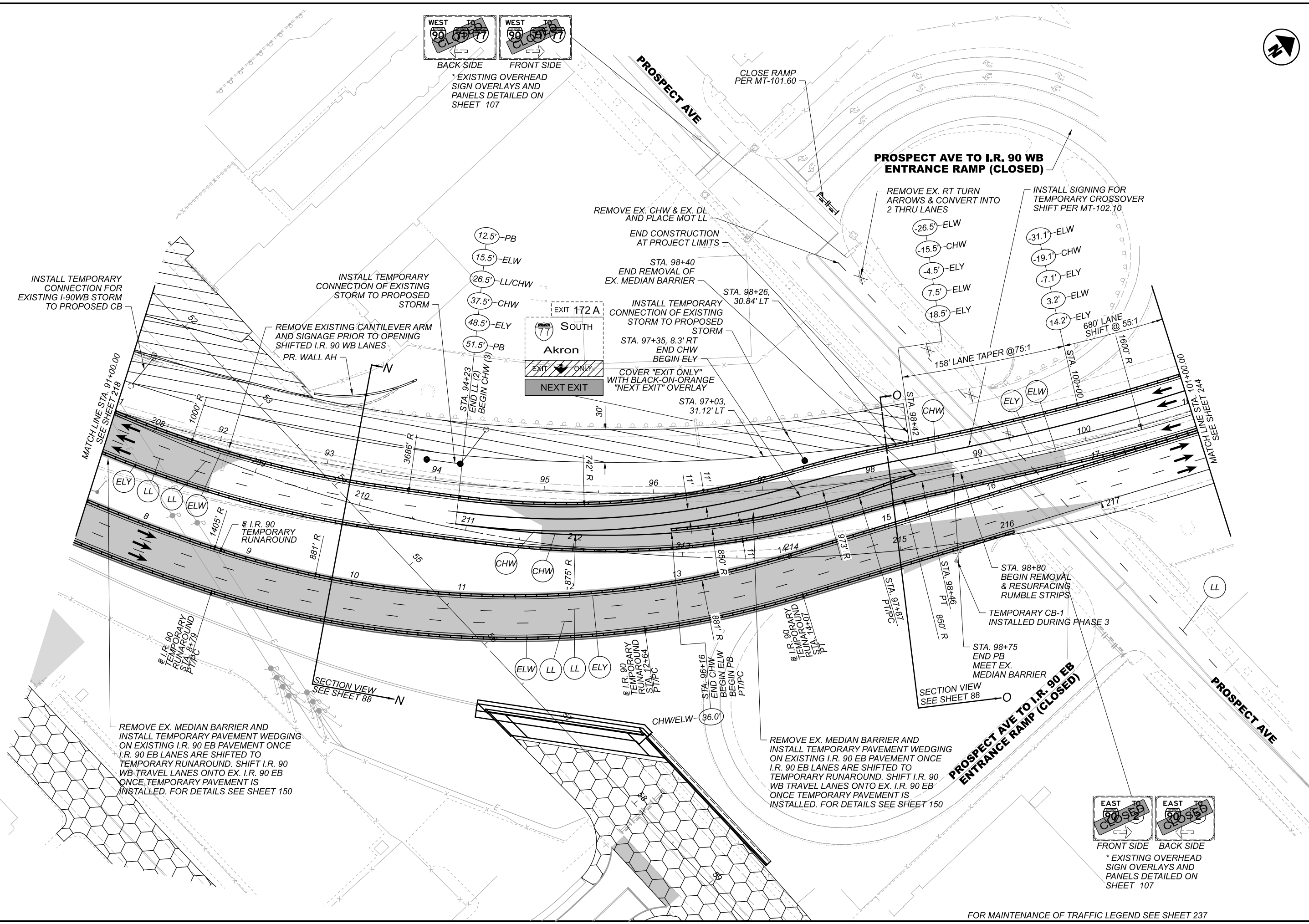
REVIEWER

PROJECT ID

82382

SHEET TOTAL

243 2339



INSTALL TEMPORARY CONNECTION FOR EXISTING I-90WB STORM TO PROPOSED CB

INSTALL TEMPORARY CONNECTION OF EXISTING STORM TO PROPOSED STORM

REMOVE EXISTING CANTILEVER ARM AND SIGNAGE PRIOR TO OPENING SHIFTED I.R. 90 WB LANES
PR. WALL AH

REMOVE EX. CHW & EX. DL AND PLACE MOT LL
END CONSTRUCTION AT PROJECT LIMITS

STA. 98+40
END REMOVAL OF EX. MEDIAN BARRIER

INSTALL TEMPORARY CONNECTION OF EXISTING STORM TO PROPOSED STORM
STA. 97+35, 8.3' RT
END CHW BEGIN ELY

COVER "EXIT ONLY" WITH BLACK-ON-ORANGE "NEXT EXIT" OVERLAY
STA. 97+03, 31.12' LT

PROSPECT AVE TO I.R. 90 WB ENTRANCE RAMP (CLOSED)

REMOVE EX. RT TURN ARROWS & CONVERT INTO 2 THRU LANES

INSTALL SIGNING FOR TEMPORARY CROSSOVER SHIFT PER MT-102.10

- (26.5')-ELW
- (15.5')-CHW
- (4.5')-ELY
- (7.5')-ELW
- (18.5')-ELY

- (31.1')-ELW
- (19.1')-CHW
- (7.1')-ELY
- (3.2')-ELW
- (14.2')-ELY

680' LANE SHIFT @ 55:1

158' LANE TAPER @ 75:1

CHW

ELY

ELW

CHW

ELY

ELW

PT

PT

PT

PT

PT

PT

PT

PT

PT

PT

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PT

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PT

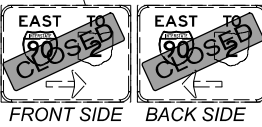
PT

PT

PROSPECT AVE TO I.R. 90 EB ENTRANCE RAMP (CLOSED)

REMOVE EX. MEDIAN BARRIER AND INSTALL TEMPORARY PAVEMENT WEDGING ON EXISTING I.R. 90 EB PAVEMENT ONCE I.R. 90 EB LANES ARE SHIFTED TO TEMPORARY RUNAROUND. SHIFT I.R. 90 WB TRAVEL LANES ONTO EX. I.R. 90 EB ONCE TEMPORARY PAVEMENT IS INSTALLED. FOR DETAILS SEE SHEET 150

REMOVE EX. MEDIAN BARRIER AND INSTALL TEMPORARY PAVEMENT WEDGING ON EXISTING I.R. 90 EB PAVEMENT ONCE I.R. 90 EB LANES ARE SHIFTED TO TEMPORARY RUNAROUND. SHIFT I.R. 90 WB TRAVEL LANES ONTO EX. I.R. 90 EB ONCE TEMPORARY PAVEMENT IS INSTALLED. FOR DETAILS SEE SHEET 150



FRONT SIDE BACK SIDE
*EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 107

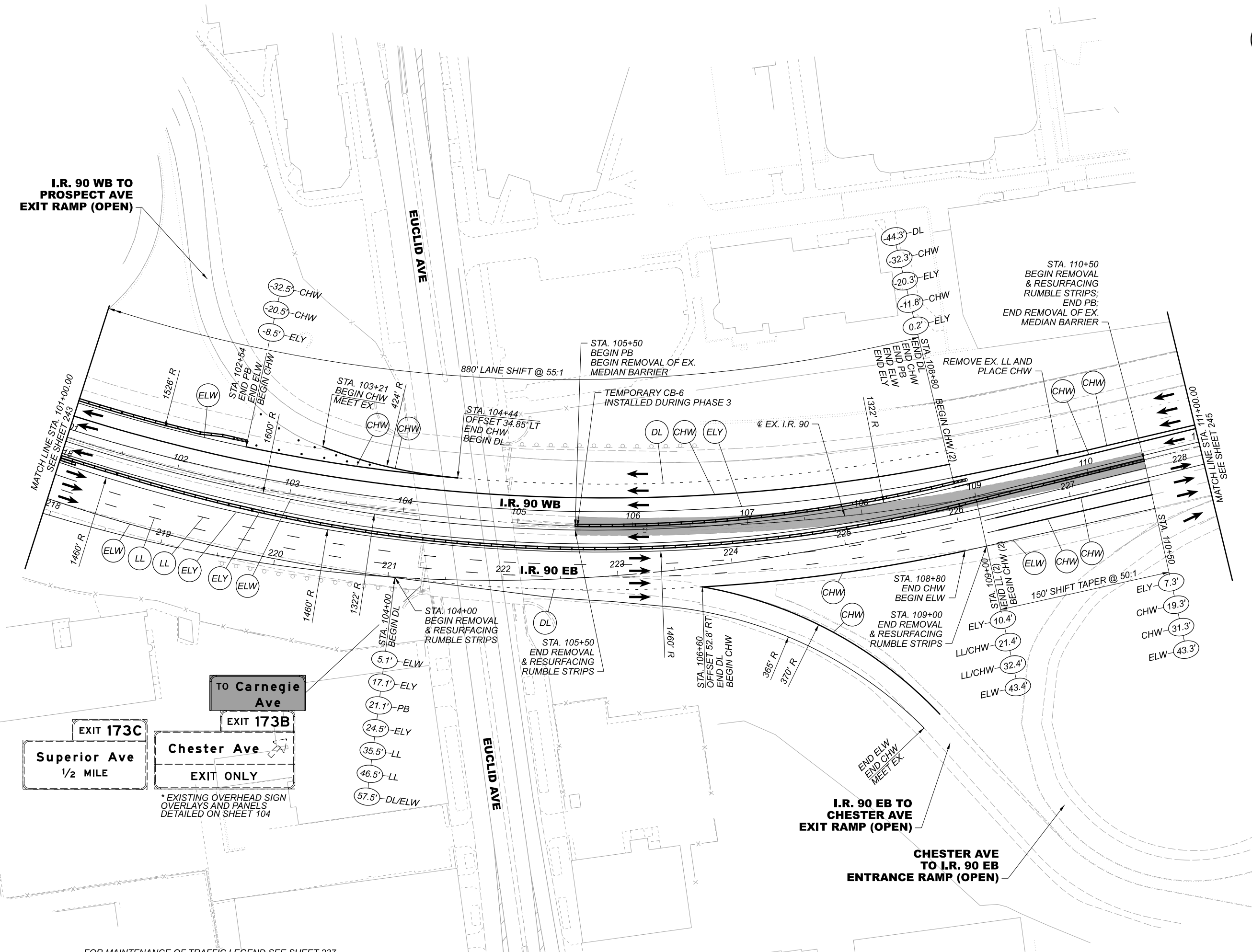
I.R. 90 WB TO PROSPECT AVE EXIT RAMP (OPEN)

EXIT 173C
Superior Ave
 1/2 MILE

EXIT 173B
Chester Ave
 EXIT ONLY

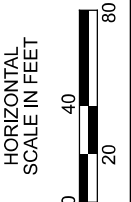
* EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 104

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237



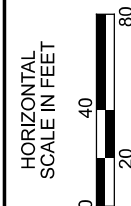
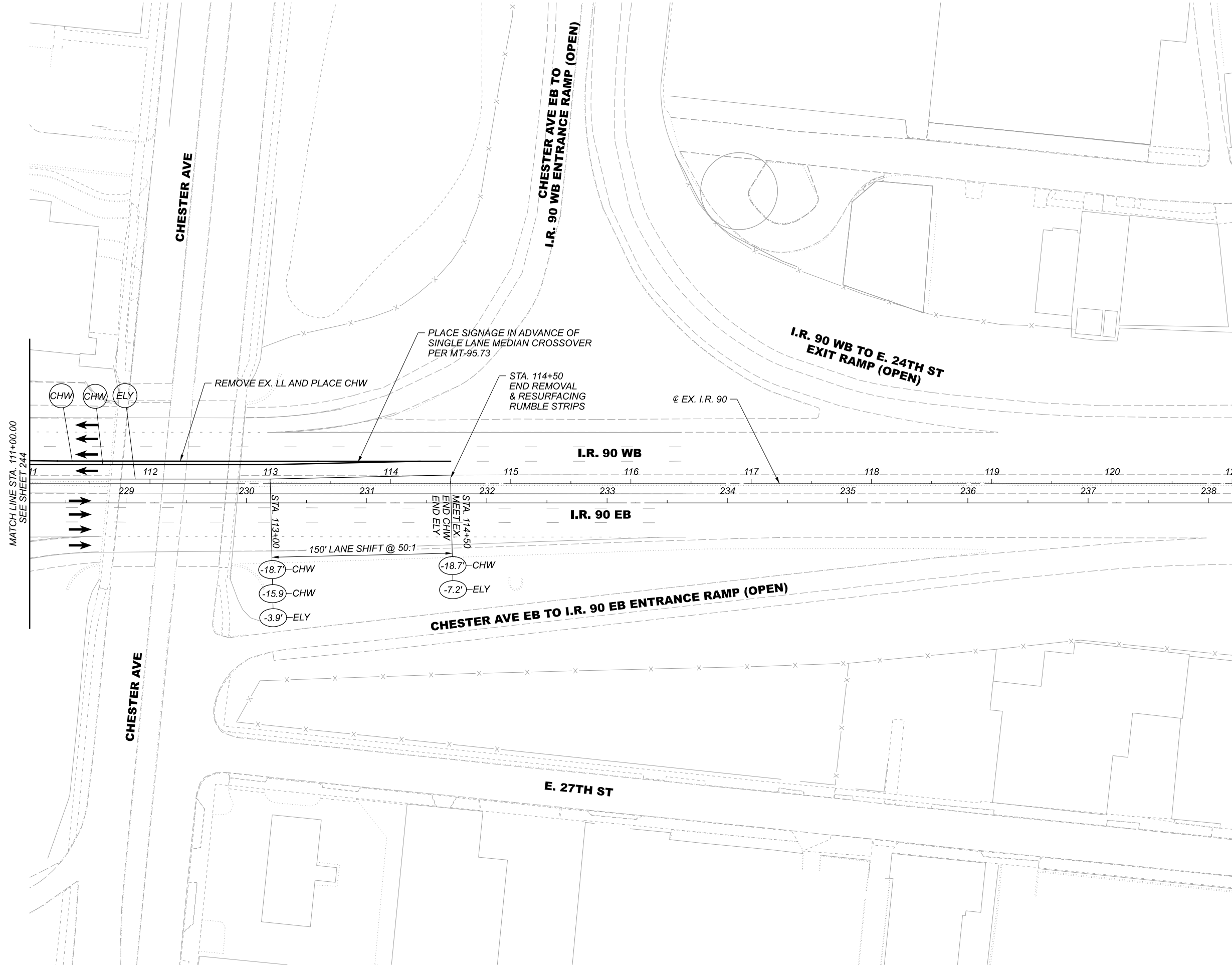
I.R. 90 EB TO CHESTER AVE EXIT RAMP (OPEN)

CHESTER AVE TO I.R. 90 EB ENTRANCE RAMP (OPEN)



MAINTENANCE OF TRAFFIC - PHASE 4
I.R. 90 - STA. 101+00.00 TO STA. 111+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	244
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 4
 I.R. 90 - STA. 111+00.00 TO END

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

REVIEWER

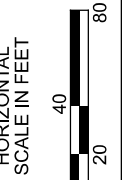
PROJECT ID
 82382

SHEET	TOTAL
245	2339

NOTES:

- 1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
- 2. SEE SHEET 241

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237



MAINTENANCE OF TRAFFIC - PHASE 4
 CARNEGIE AVE - BEGIN TO STA. 39+00.00

DESIGN AGENCY

Michael Baker INTERNATIONAL

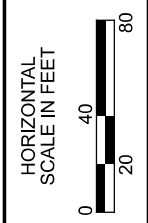
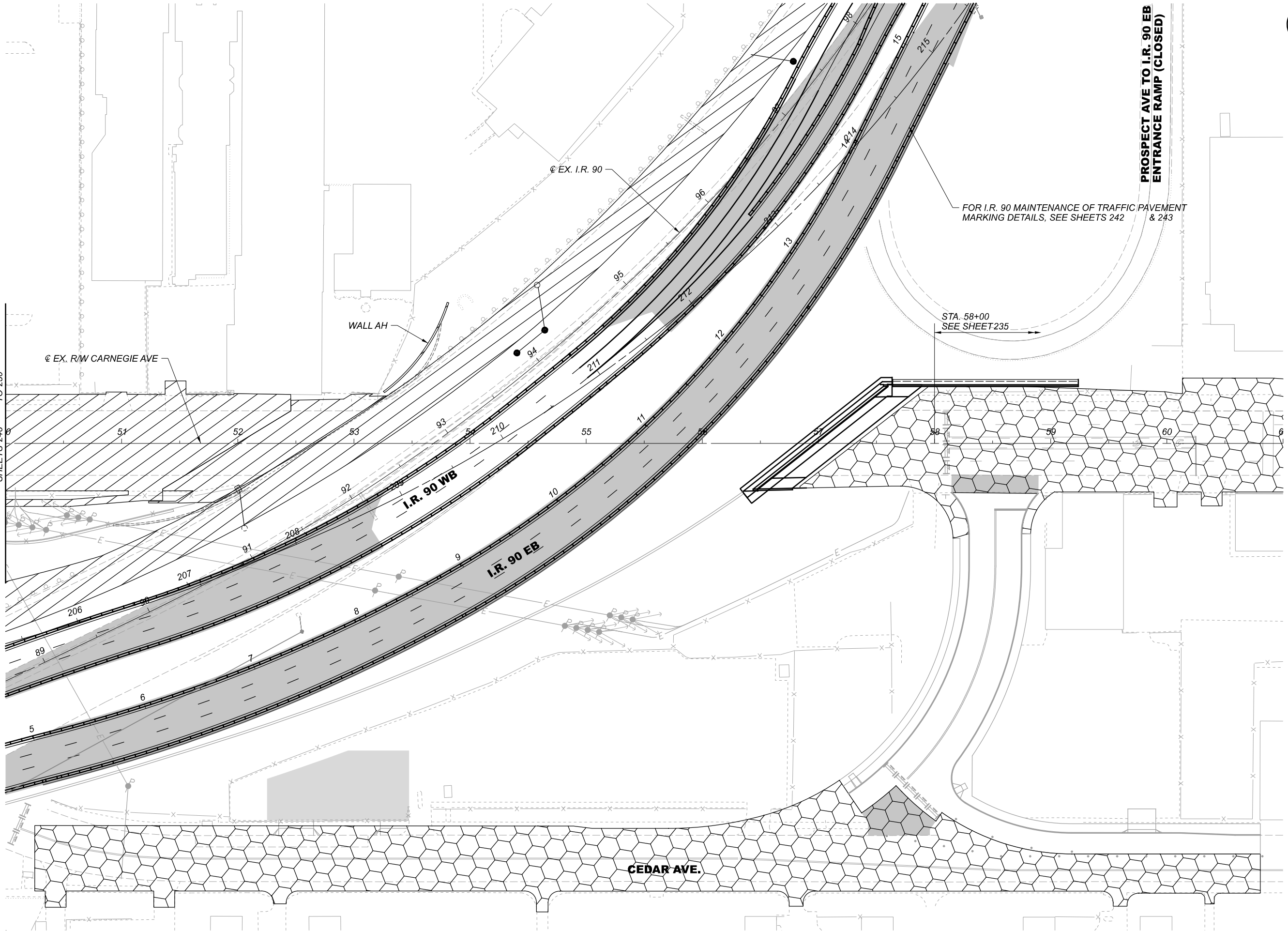
DESIGNER

REVIEWER

PROJECT ID
82382

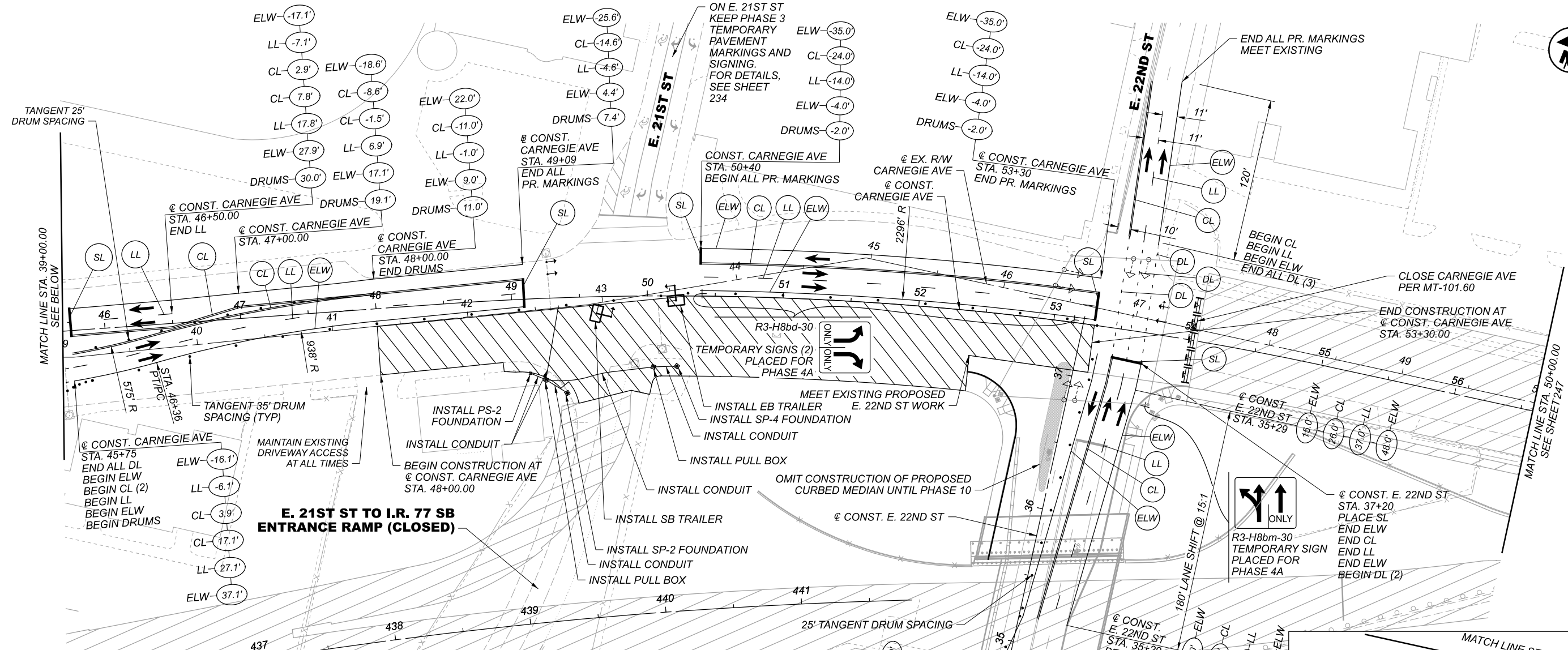
SHEET	TOTAL
246	2339

MATCH LINE STA. 50+00.00
 SEE CARNegie AVE SUBPHASING
 SHEETS 248 TO 250



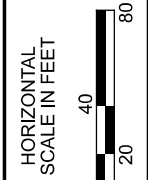
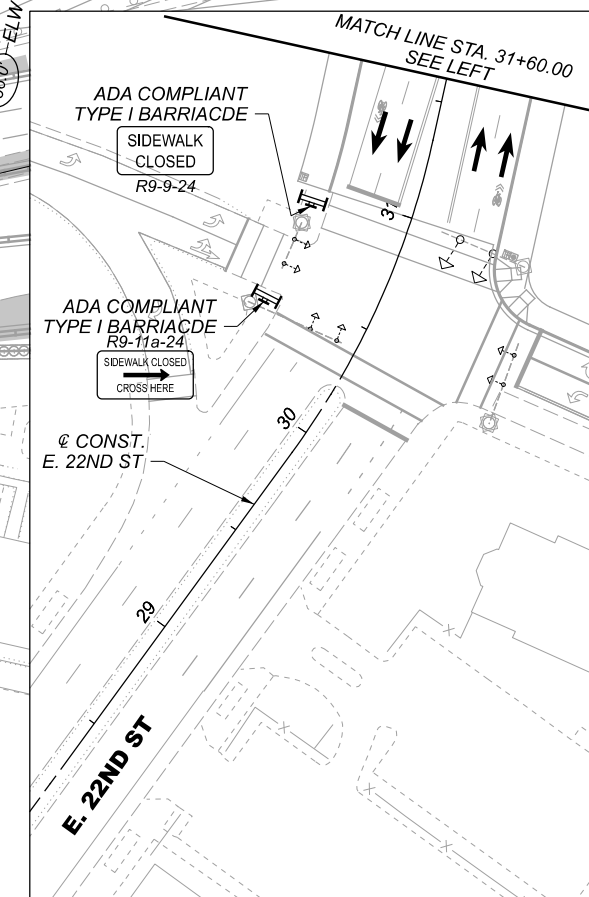
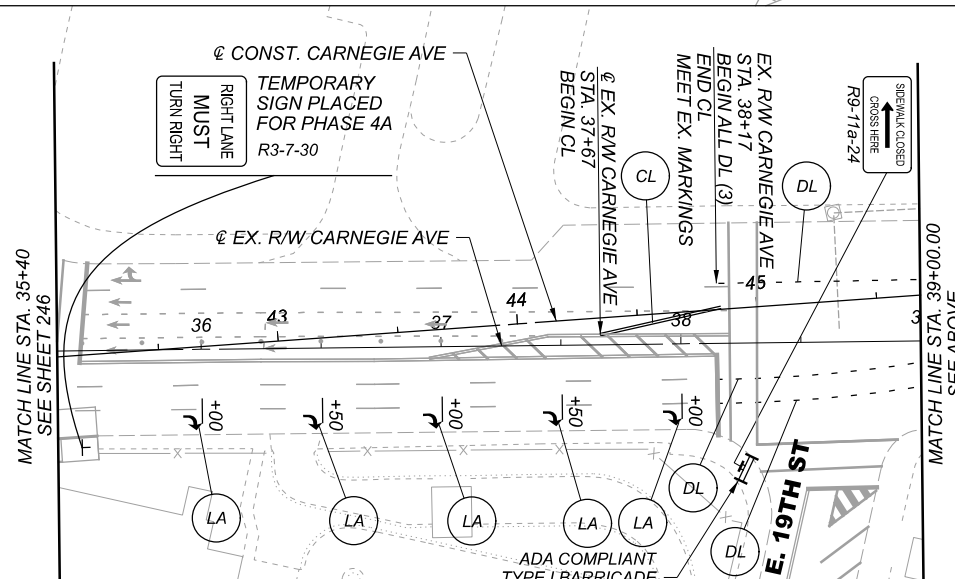
MAINTENANCE OF TRAFFIC - PHASE 4
 CARNegie AVE - STA. 50+00.00 TO STA. 61+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
247	2339



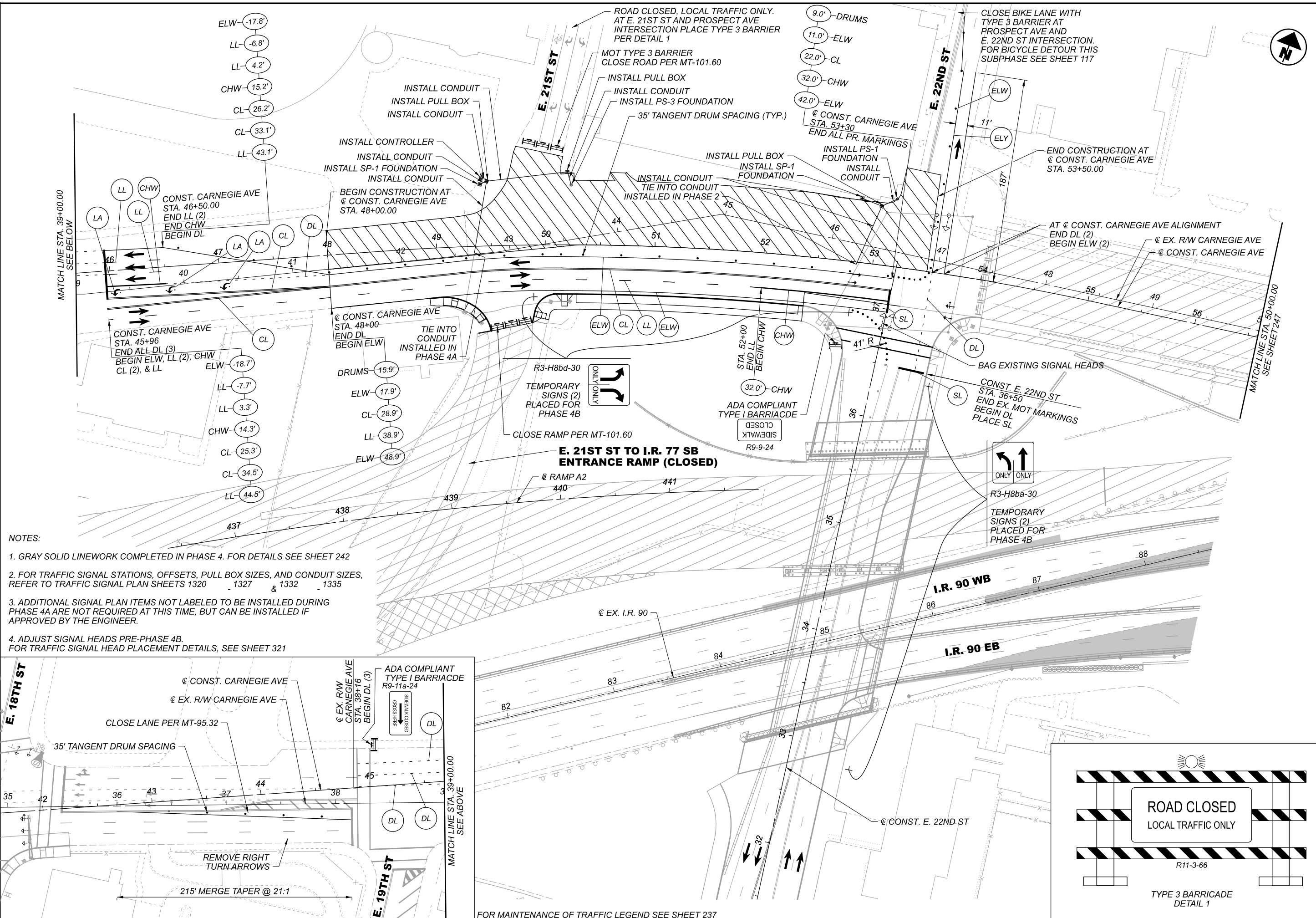
NOTES:

1. GRAY SOLID LINEWORK COMPLETED IN PHASE 4. FOR DETAILS SEE SHEET 242
2. FOR TRAFFIC SIGNAL STATIONS, OFFSETS, PULL BOX SIZES, AND CONDUIT SIZES, REFER TO TRAFFIC SIGNAL PLAN SHEETS 1320, 1327 & 1332, 1335
3. ADDITIONAL SIGNAL PLAN ITEMS NOT LABELED TO BE INSTALLED DURING PHASE 4A ARE NOT REQUIRED AT THIS TIME, BUT CAN BE INSTALLED IF APPROVED BY THE ENGINEER.
4. ADJUST SIGNAL HEADS PRE-PHASE 4A. FOR TRAFFIC SIGNAL HEAD PLACEMENT DETAILS, SEE SHEET 321

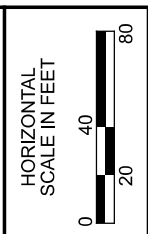
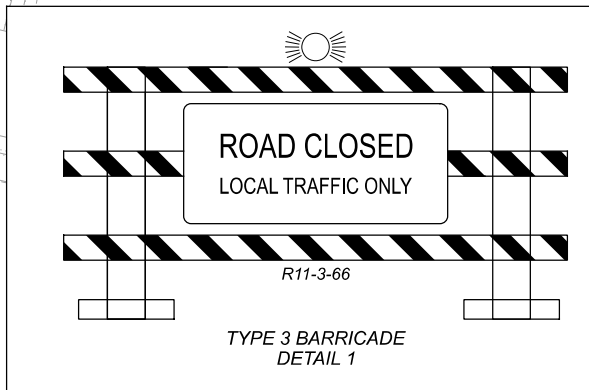
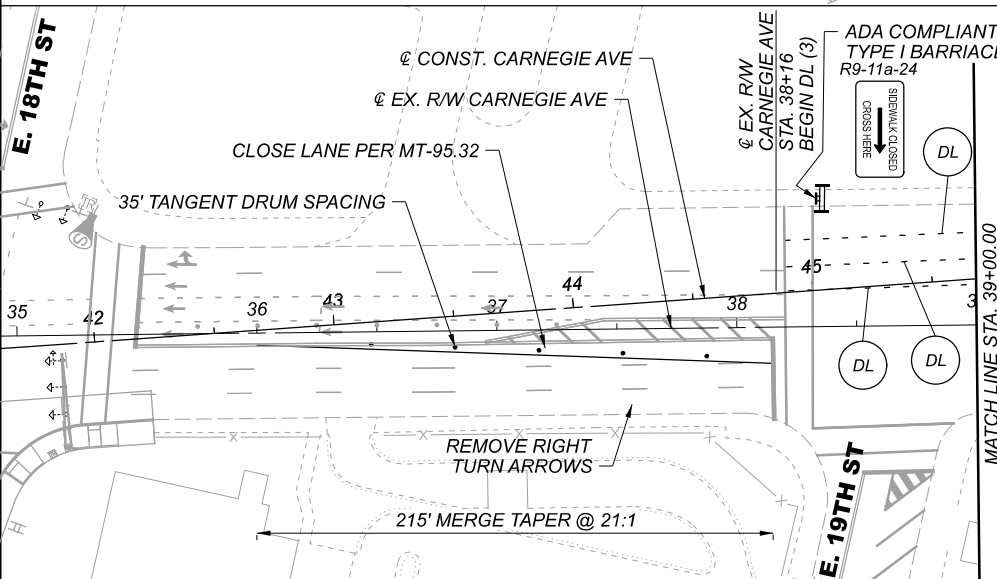


MAINTENANCE OF TRAFFIC - PHASE 4A
CARNEGIE AVE & E. 22ND ST

DESIGN AGENCY	Michael Baker International
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	248
TOTAL	2339



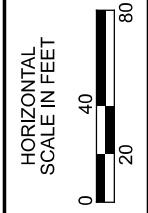
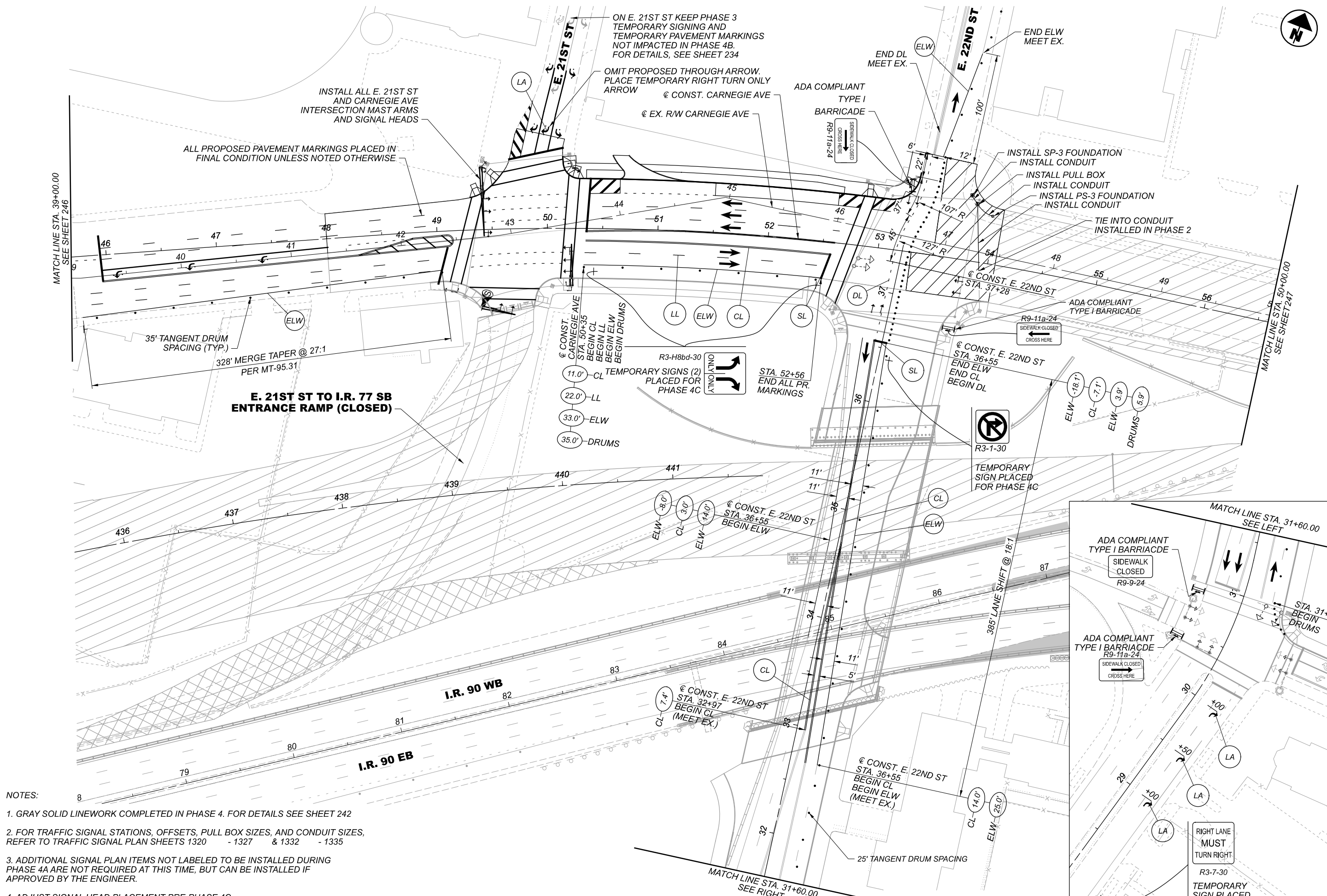
- NOTES:
1. GRAY SOLID LINEWORK COMPLETED IN PHASE 4. FOR DETAILS SEE SHEET 242
 2. FOR TRAFFIC SIGNAL STATIONS, OFFSETS, PULL BOX SIZES, AND CONDUIT SIZES, REFER TO TRAFFIC SIGNAL PLAN SHEETS 1320 1327 & 1332 1335
 3. ADDITIONAL SIGNAL PLAN ITEMS NOT LABELED TO BE INSTALLED DURING PHASE 4A ARE NOT REQUIRED AT THIS TIME, BUT CAN BE INSTALLED IF APPROVED BY THE ENGINEER.
 4. ADJUST SIGNAL HEADS PRE-PHASE 4B. FOR TRAFFIC SIGNAL HEAD PLACEMENT DETAILS, SEE SHEET 321



MAINTENANCE OF TRAFFIC - PHASE 4B
 CARNEGIE AVE & E. 22ND ST

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	249
TOTAL	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237

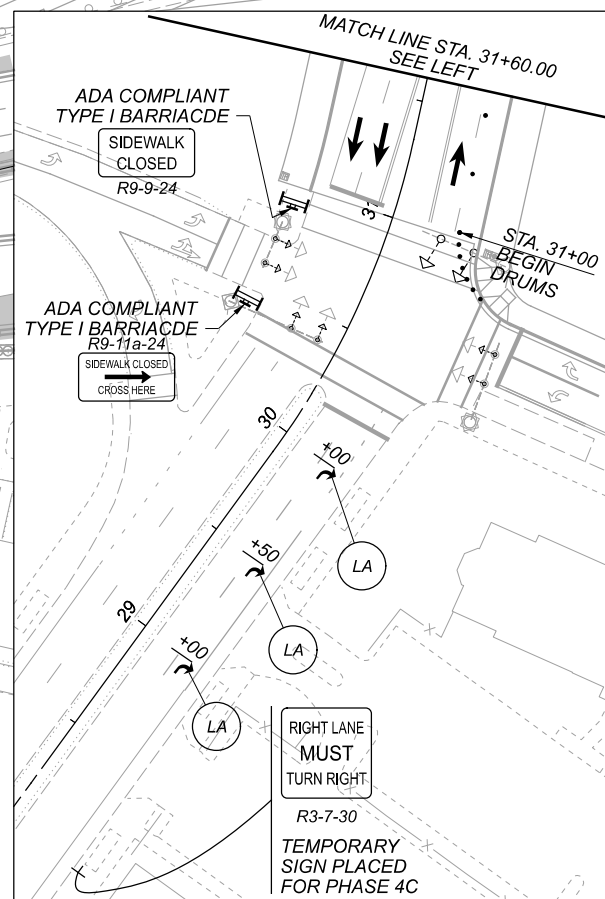


- NOTES:
1. GRAY SOLID LINEWORK COMPLETED IN PHASE 4. FOR DETAILS SEE SHEET 242
 2. FOR TRAFFIC SIGNAL STATIONS, OFFSETS, PULL BOX SIZES, AND CONDUIT SIZES, REFER TO TRAFFIC SIGNAL PLAN SHEETS 1320 - 1327 & 1332 - 1335
 3. ADDITIONAL SIGNAL PLAN ITEMS NOT LABELED TO BE INSTALLED DURING PHASE 4A ARE NOT REQUIRED AT THIS TIME, BUT CAN BE INSTALLED IF APPROVED BY THE ENGINEER.
 4. ADJUST SIGNAL HEAD PLACEMENT PRE-PHASE 4C. FOR TRAFFIC SIGNAL HEAD PLACEMENT DETAILS, SEE SHEET 321






FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 237

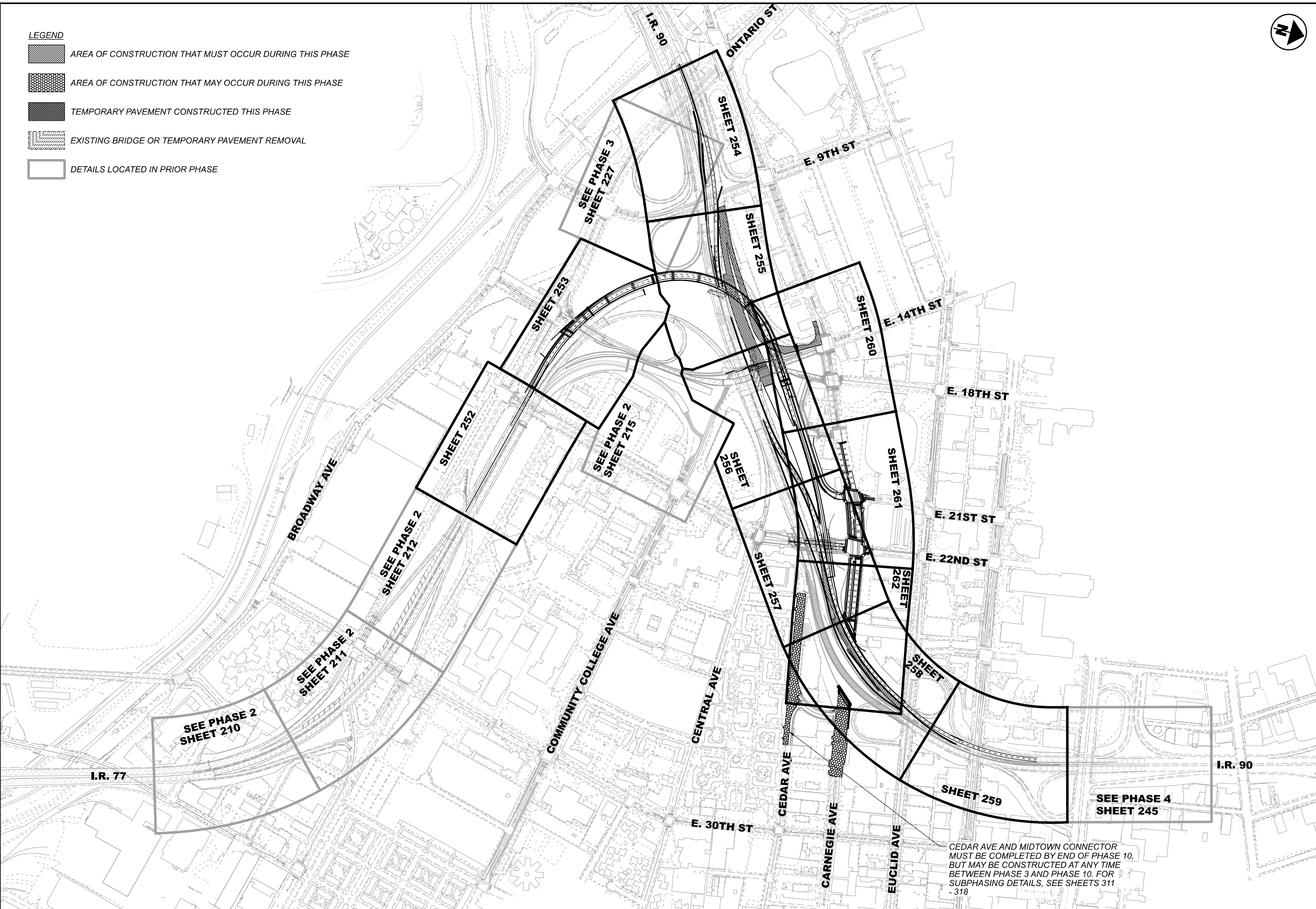
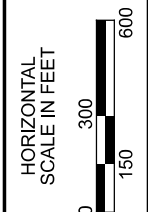
MAINTENANCE OF TRAFFIC - PHASE 4C
CARNEGIE AVE & E. 22ND ST

DESIGN AGENCY	
Michael Baker	
INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	250
TOTAL	2339



LEGEND

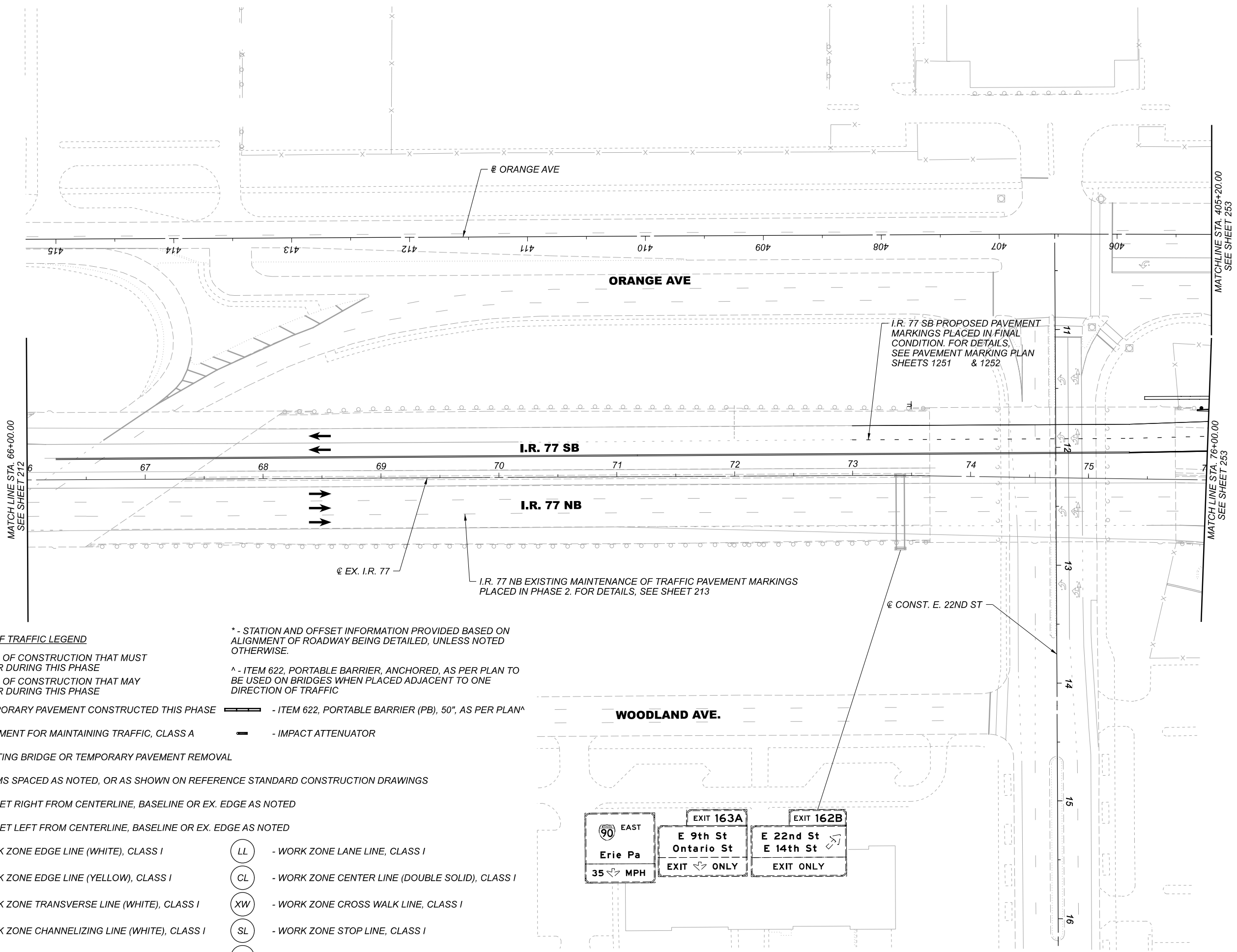
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
-  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
-  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  DETAILS LOCATED IN PRIOR PHASE



CEDAR AVE AND MIDTOWN CONNECTOR
 MUST BE COMPLETED BY END OF PHASE 10,
 BUT MAY BE CONSTRUCTED AT ANY TIME
 BETWEEN PHASE 3 AND PHASE 10. FOR
 SUBPHASING DETAILS, SEE SHEETS 311
 - 318

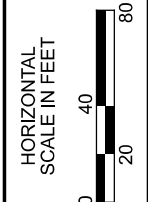
MAINTENANCE OF TRAFFIC - PHASE 5
 SHEET PLAN KEY

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
251	2339



MAINTENANCE OF TRAFFIC LEGEND

- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 - AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
 - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
 - DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
 - (17.5') - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
 - (-17.5') - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
 - (ELW) - WORK ZONE EDGE LINE (WHITE), CLASS I
 - (ELY) - WORK ZONE EDGE LINE (YELLOW), CLASS I
 - (TLW) - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
 - (CHW) - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
 - (DL) - WORK ZONE DOTTED LINE, CLASS I
 - (LL) - WORK ZONE LANE LINE, CLASS I
 - (CL) - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
 - (XW) - WORK ZONE CROSS WALK LINE, CLASS I
 - (SL) - WORK ZONE STOP LINE, CLASS I
 - (LA) - WORK ZONE LANE ARROW, CLASS I
- * - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.
- ^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC
- ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN^
- IMPACT ATTENUATOR

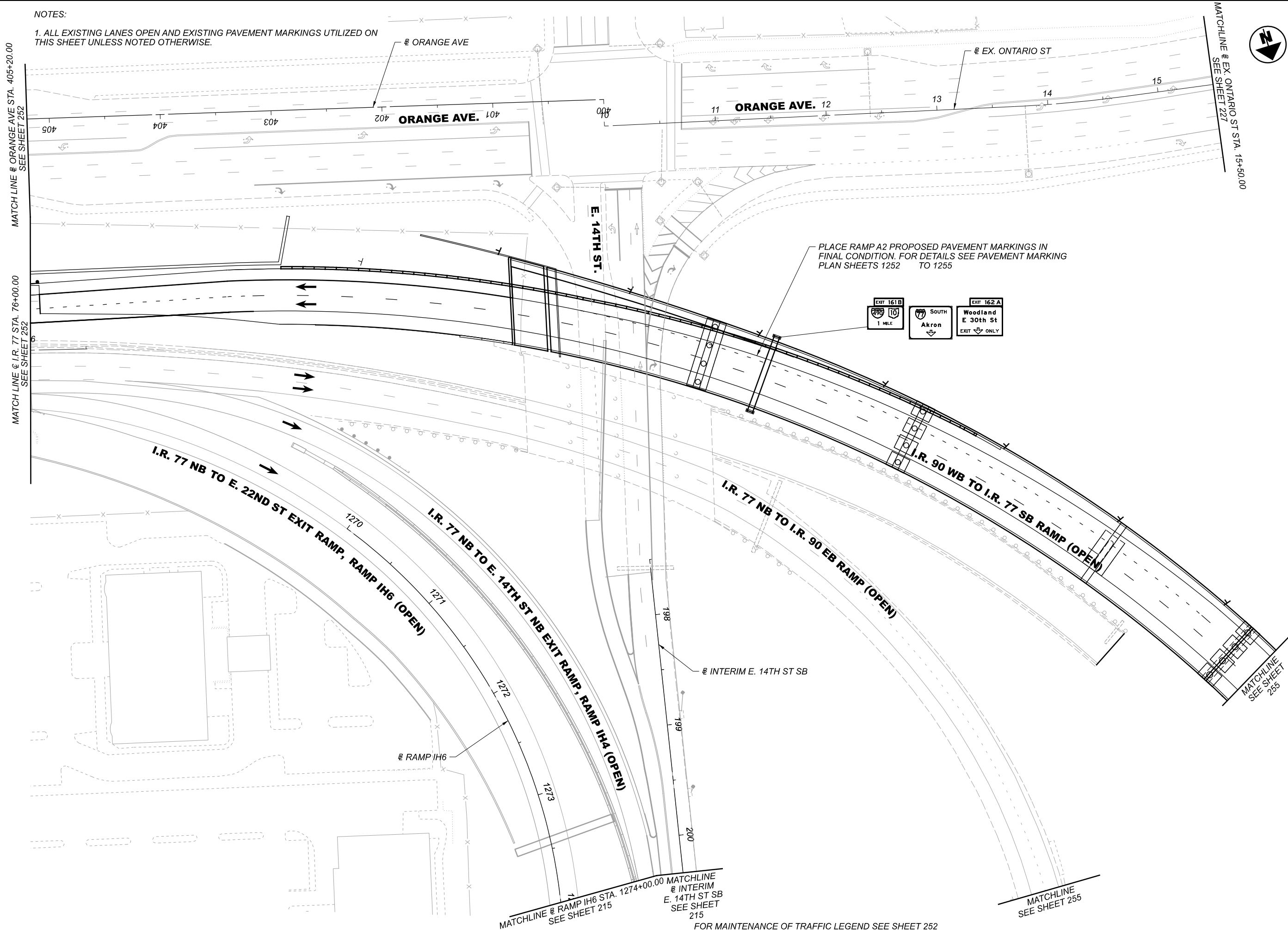


MAINTENANCE OF TRAFFIC - PHASE 5
I.R. 77 STA. 66+00.00 TO STA. 76+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	252
TOTAL	2339

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.



PLACE RAMP A2 PROPOSED PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS SEE PAVEMENT MARKING PLAN SHEETS 1252 TO 1255



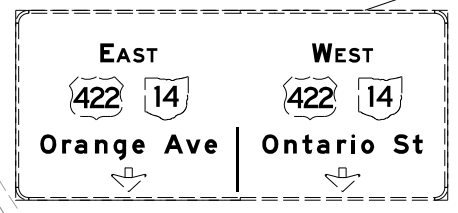
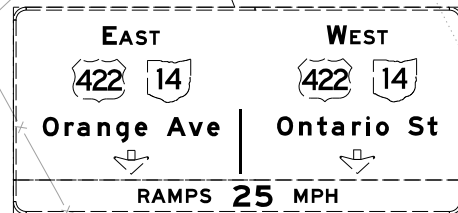
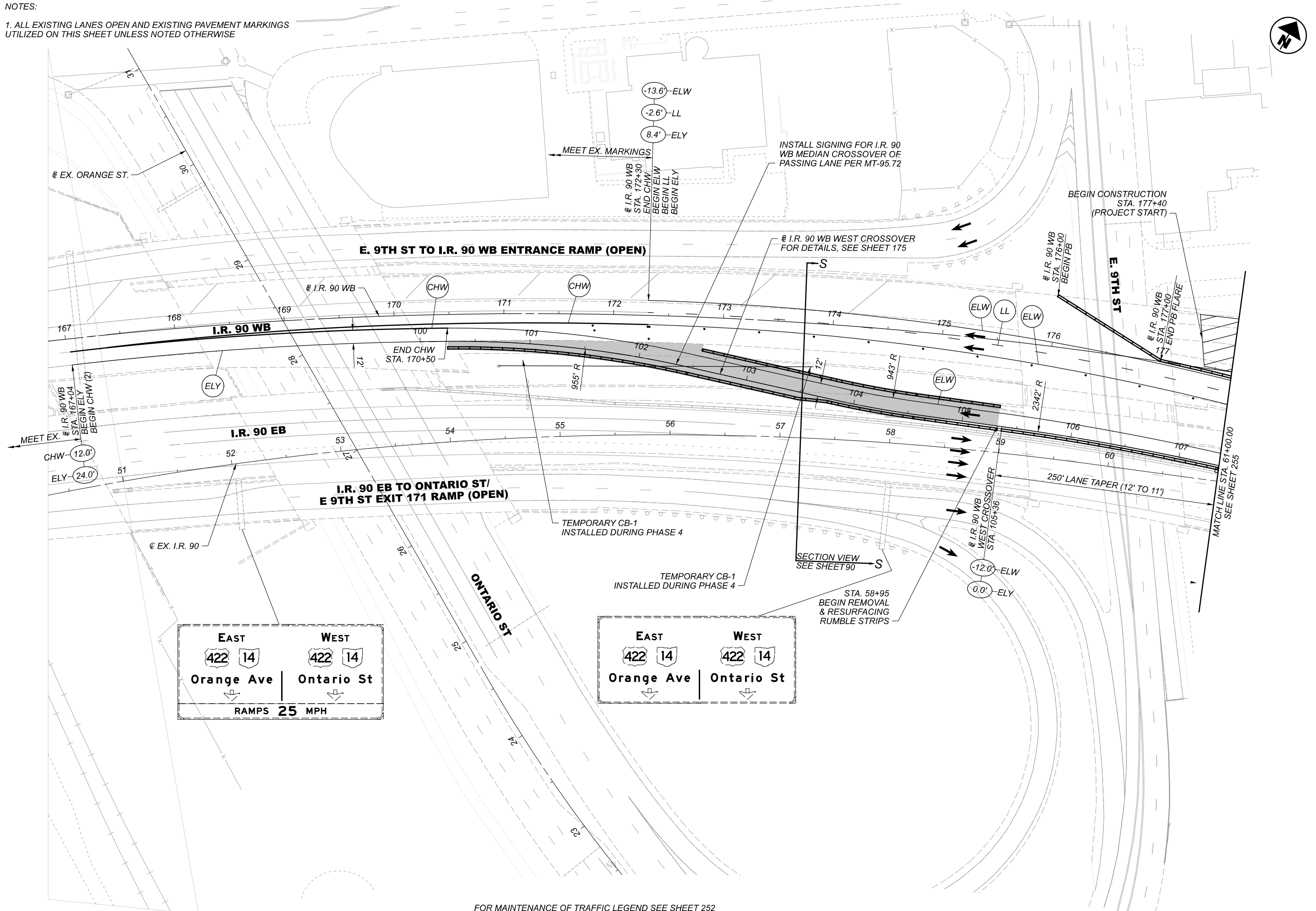
MAINTENANCE OF TRAFFIC - PHASE 5
 I.R. 77 - STA. 76+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	253 2339

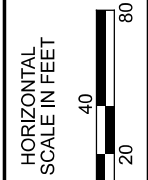
FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 252

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE



FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 252

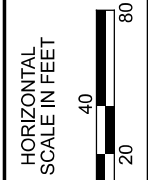
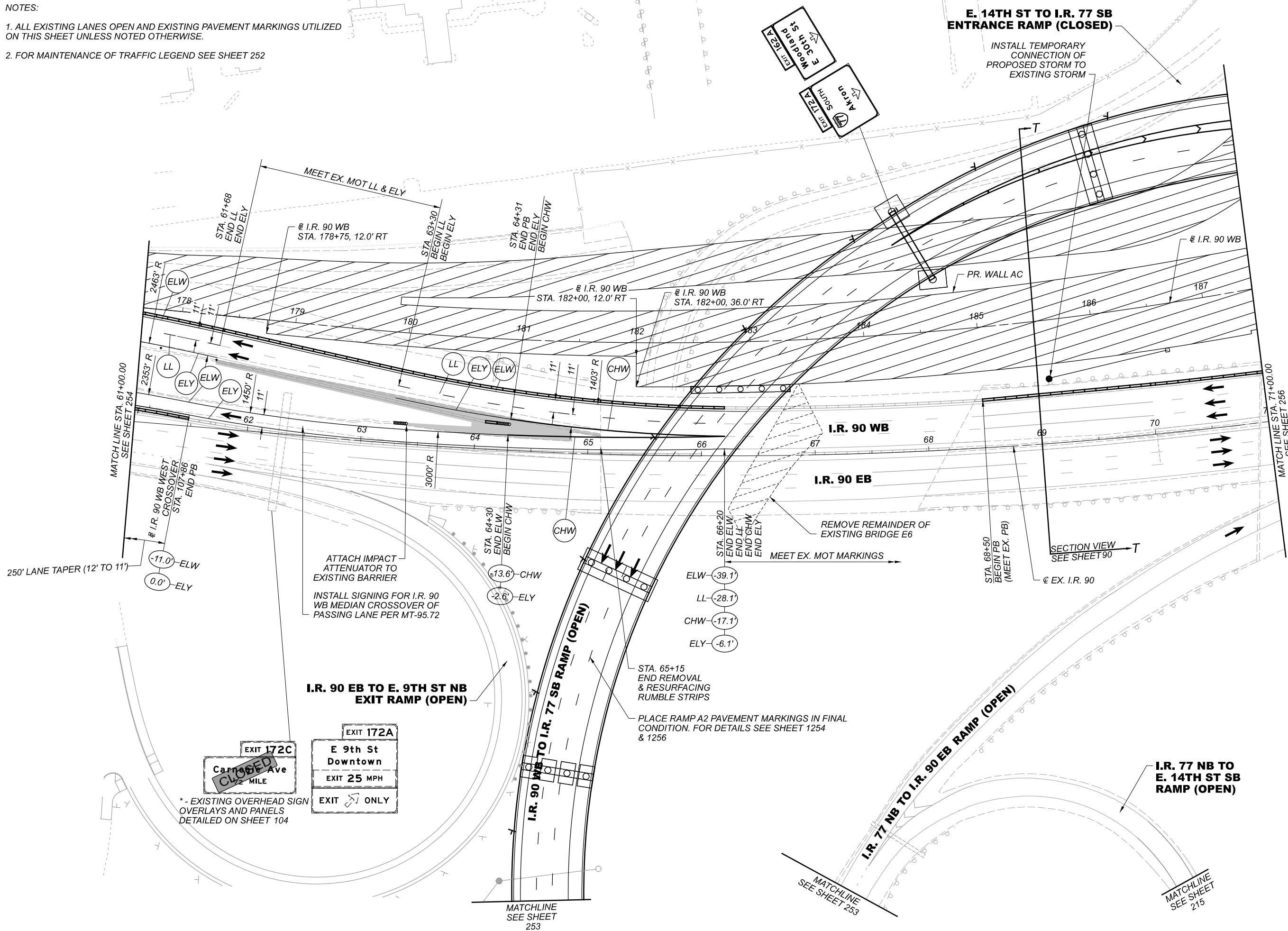


MAINTENANCE OF TRAFFIC - PHASE 5
 I.R. 90 - STA. BEGIN TO STA. 61+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	254
TOTAL	2339

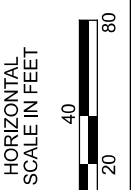
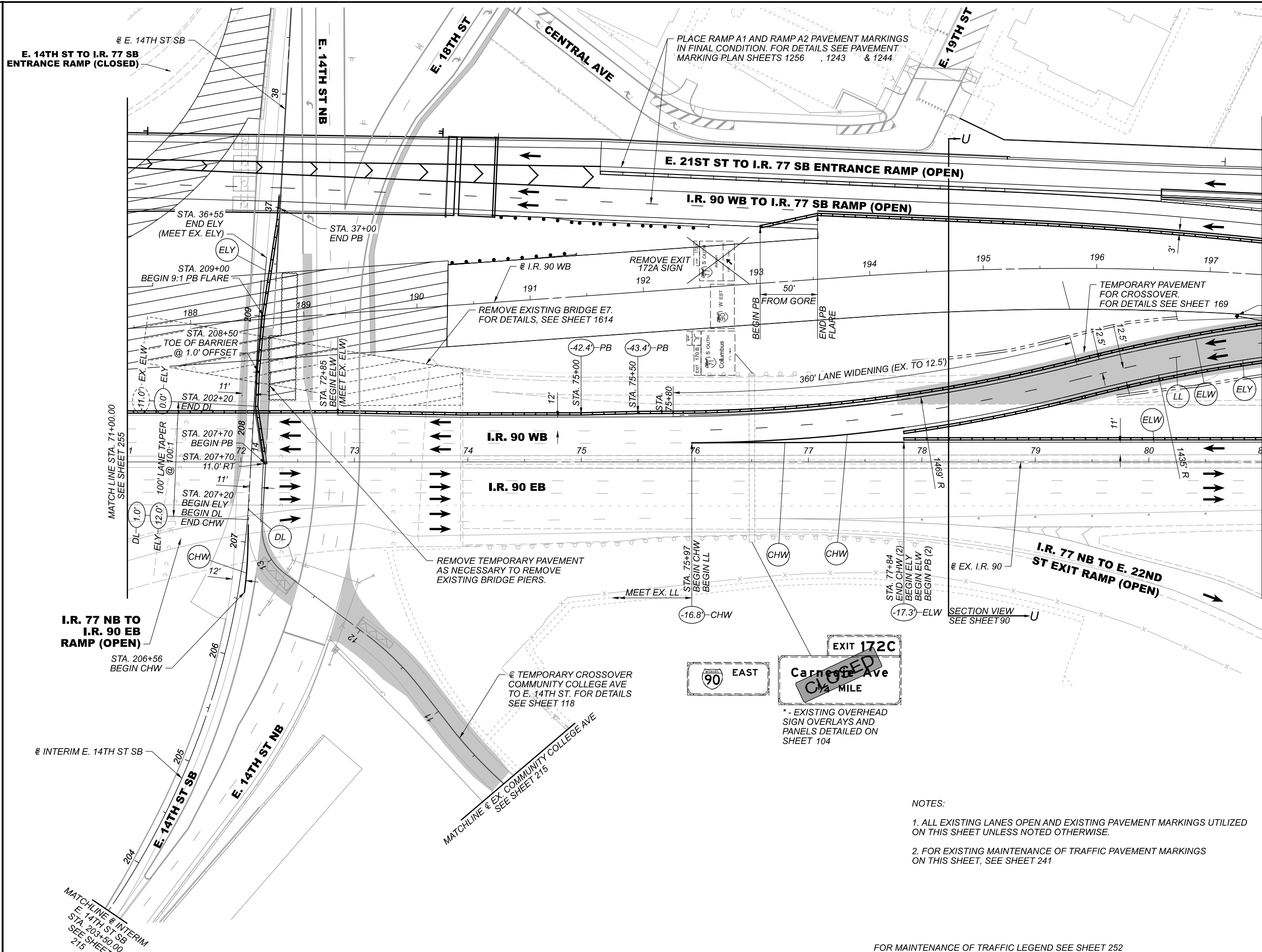
NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 252



MAINTENANCE OF TRAFFIC - PHASE 5
 I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	255
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 5
 I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
 2. FOR EXISTING MAINTENANCE OF TRAFFIC PAVEMENT MARKINGS ON THIS SHEET, SEE SHEET 241

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 252

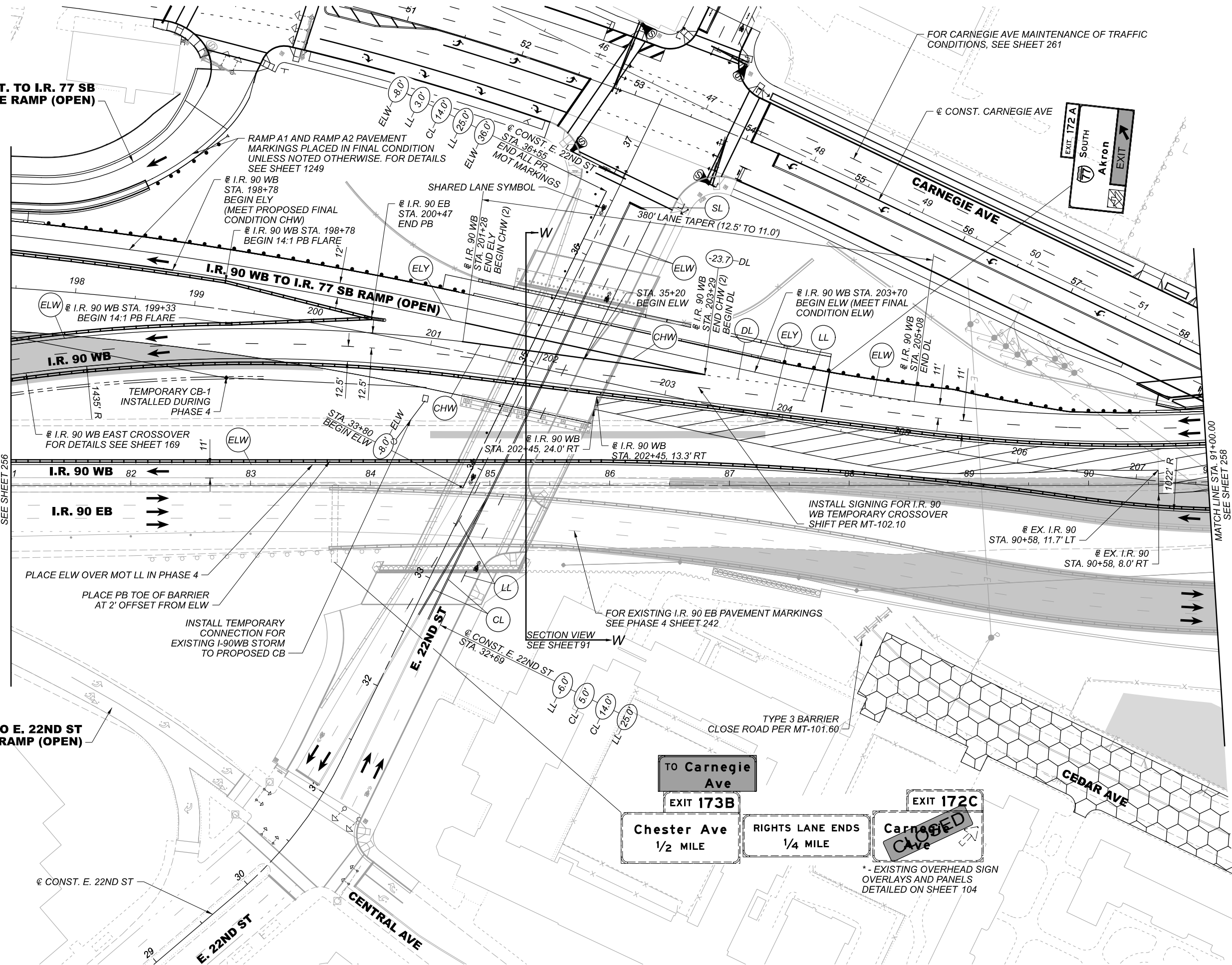
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET TOTAL	256 2339

E. 21ST ST. TO I.R. 77 SB
ENTRANCE RAMP (OPEN)

I.R. 77 NB TO E. 22ND ST
EXIT RAMP (OPEN)

MATCH LINE STA. 81+00.00
SEE SHEET 256

MATCH LINE STA. 91+00.00
SEE SHEET 258



MAINTENANCE OF TRAFFIC - PHASE 5
I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY

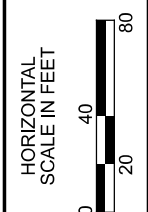
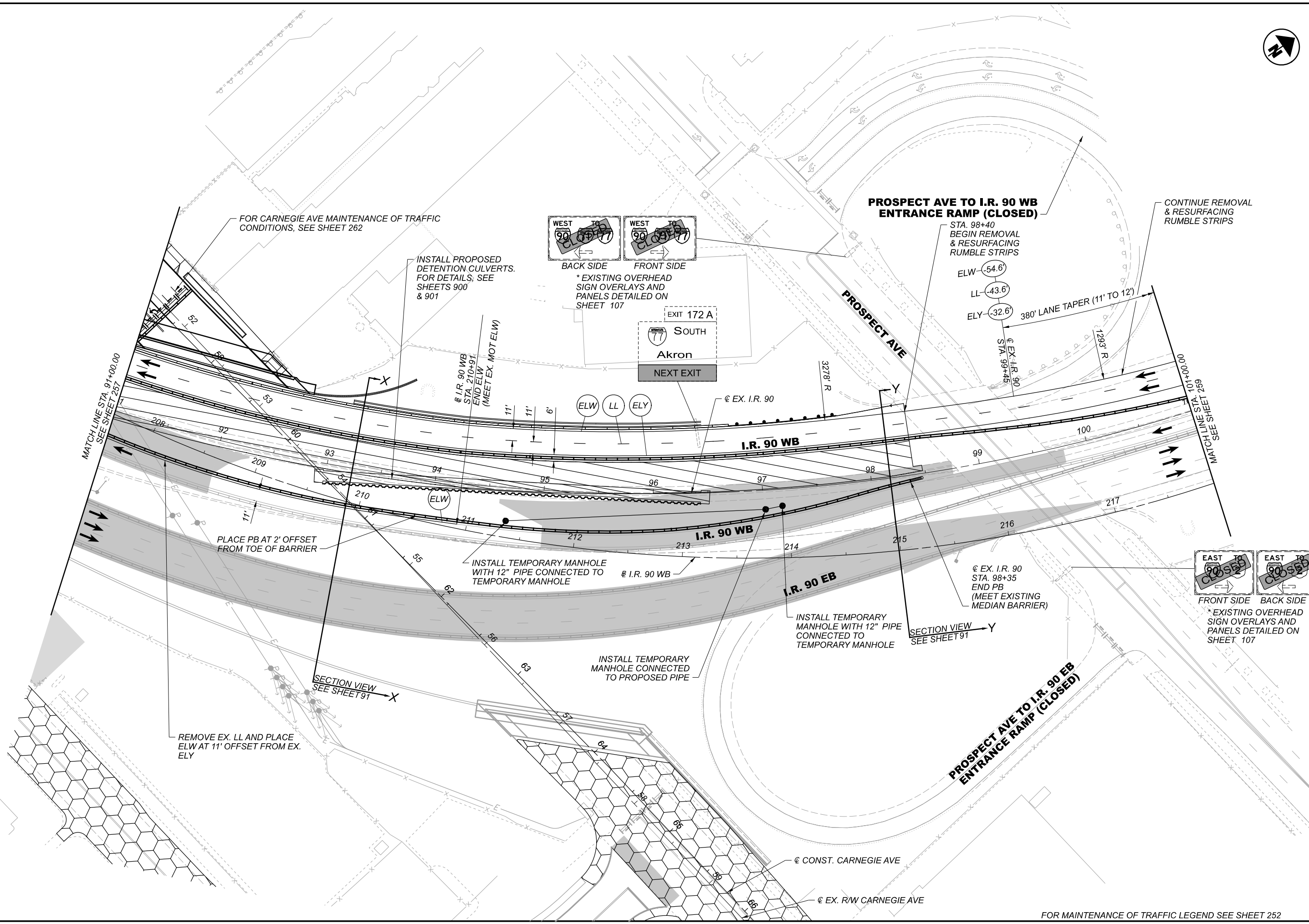
Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

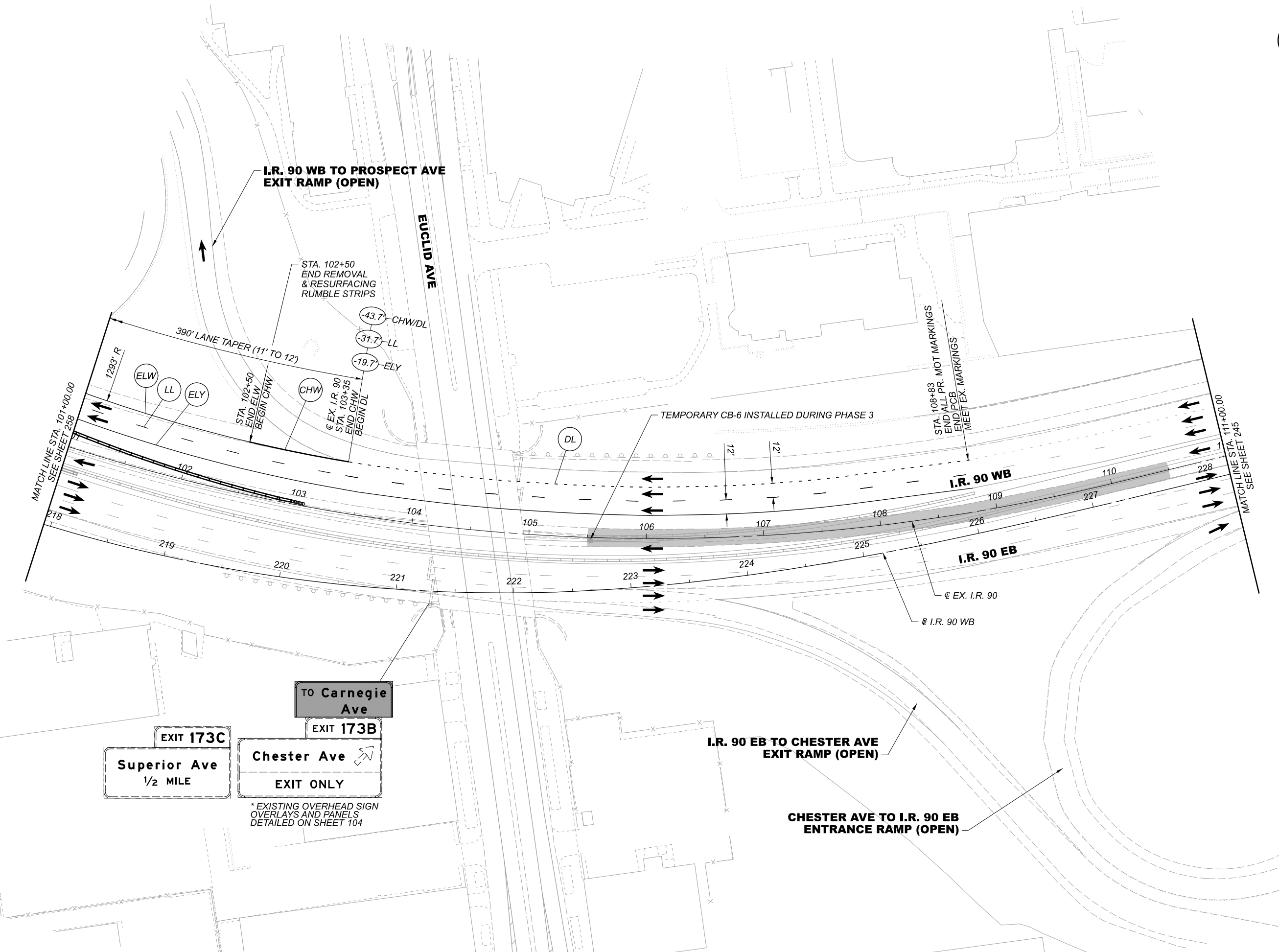
PROJECT ID
82382

SHEET	TOTAL
257	2339



MAINTENANCE OF TRAFFIC - PHASE 5
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00

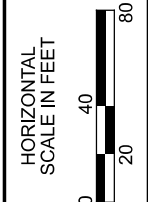
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET TOTAL	258 2339



EXIT 173C
Superior Ave
 1/2 MILE

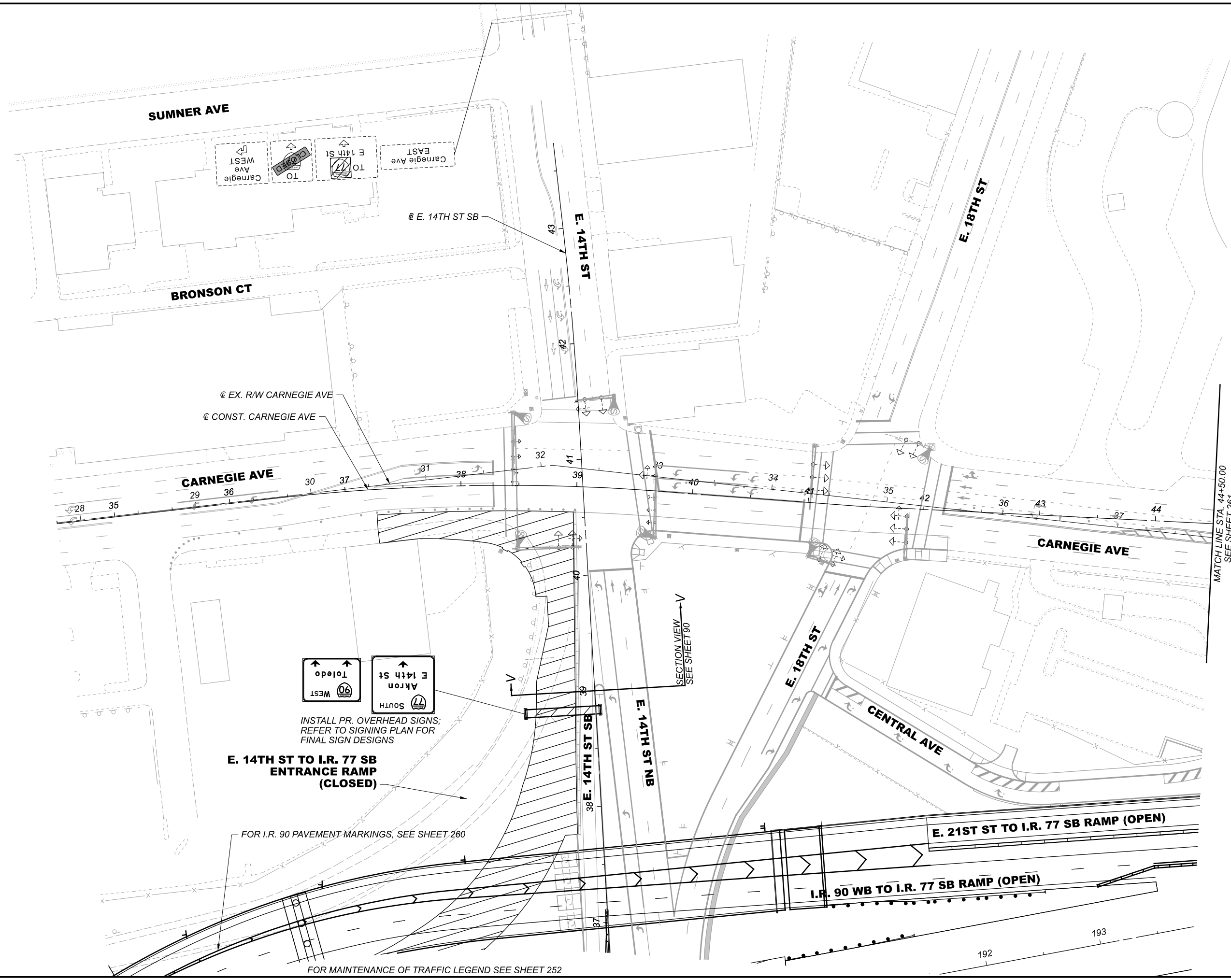
EXIT 173B
Chester Ave
 EXIT ONLY

* EXISTING OVERHEAD SIGN
 OVERLAYS AND PANELS
 DETAILED ON SHEET 104

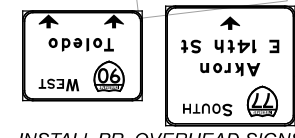


MAINTENANCE OF TRAFFIC - PHASE 5
 I.R. 90 - STA. 101+00.00 TO STA. 111+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	259
TOTAL	2339



EX. R/W CARNEGIE AVE
CONST. CARNEGIE AVE



INSTALL PR. OVERHEAD SIGNS;
REFER TO SIGNING PLAN FOR
FINAL SIGN DESIGNS

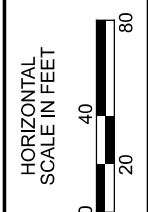
**E. 14TH ST TO I.R. 77 SB
ENTRANCE RAMP
(CLOSED)**

FOR I.R. 90 PAVEMENT MARKINGS, SEE SHEET 260

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 252

SECTION VIEW
SEE SHEET 90

MATCH LINE STA. 44+50.00
SEE SHEET 261



**MAINTENANCE OF TRAFFIC - PHASE 5
CARNEGIE AVE - BEGIN TO STA. 44+50.00**

DESIGN AGENCY

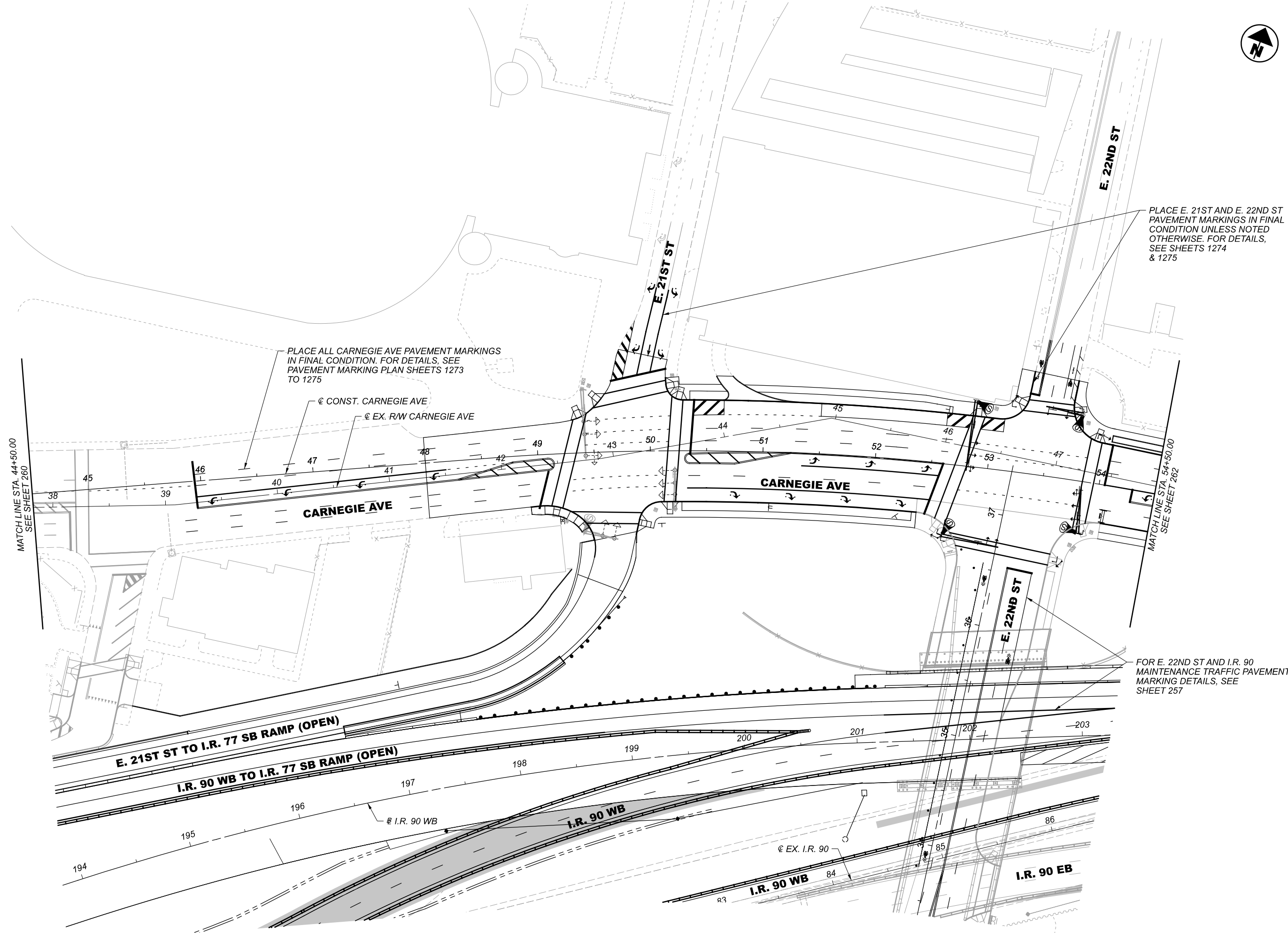
**Michael Baker
INTERNATIONAL**

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
260	2339

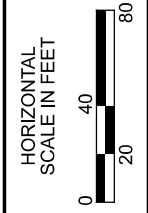


PLACE ALL CARNEGIE AVE PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS, SEE PAVEMENT MARKING PLAN SHEETS 1273 TO 1275

PLACE E. 21ST AND E. 22ND ST PAVEMENT MARKINGS IN FINAL CONDITION UNLESS NOTED OTHERWISE. FOR DETAILS, SEE SHEETS 1274 & 1275

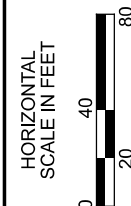
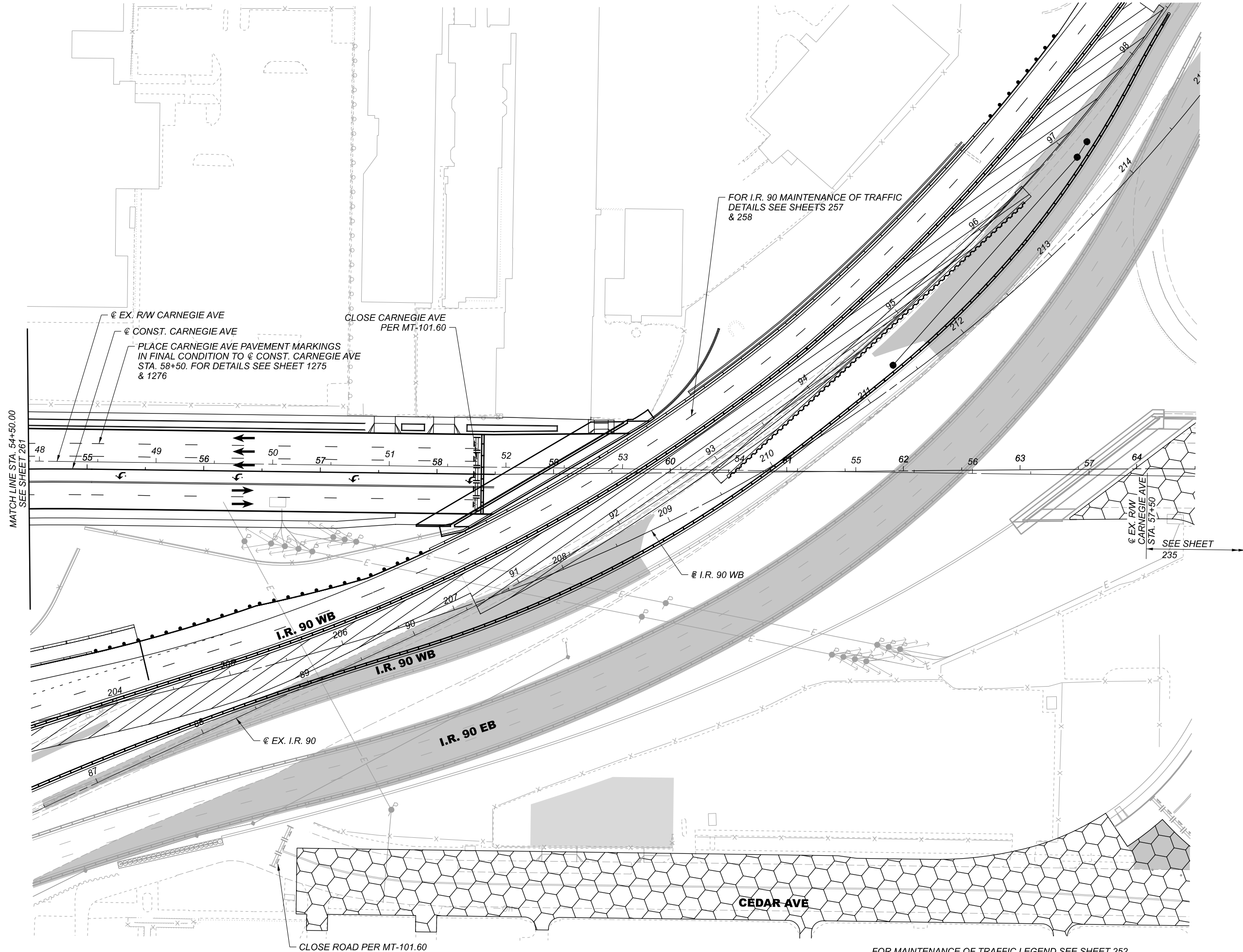
FOR E. 22ND ST AND I.R. 90 MAINTENANCE TRAFFIC PAVEMENT MARKING DETAILS, SEE SHEET 257

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 252



MAINTENANCE OF TRAFFIC - PHASE 5
 CARNEGIE AVE - STA. 44+50.00 TO STA. 54+50.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID 82382	
SHEET 261	TOTAL 2339



MAINTENANCE OF TRAFFIC - PHASE 5
CARNEGIE AVE - STA. 54+50.00 TO STA. 64+50.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER






REVIEWER

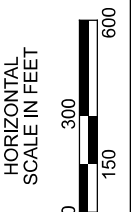
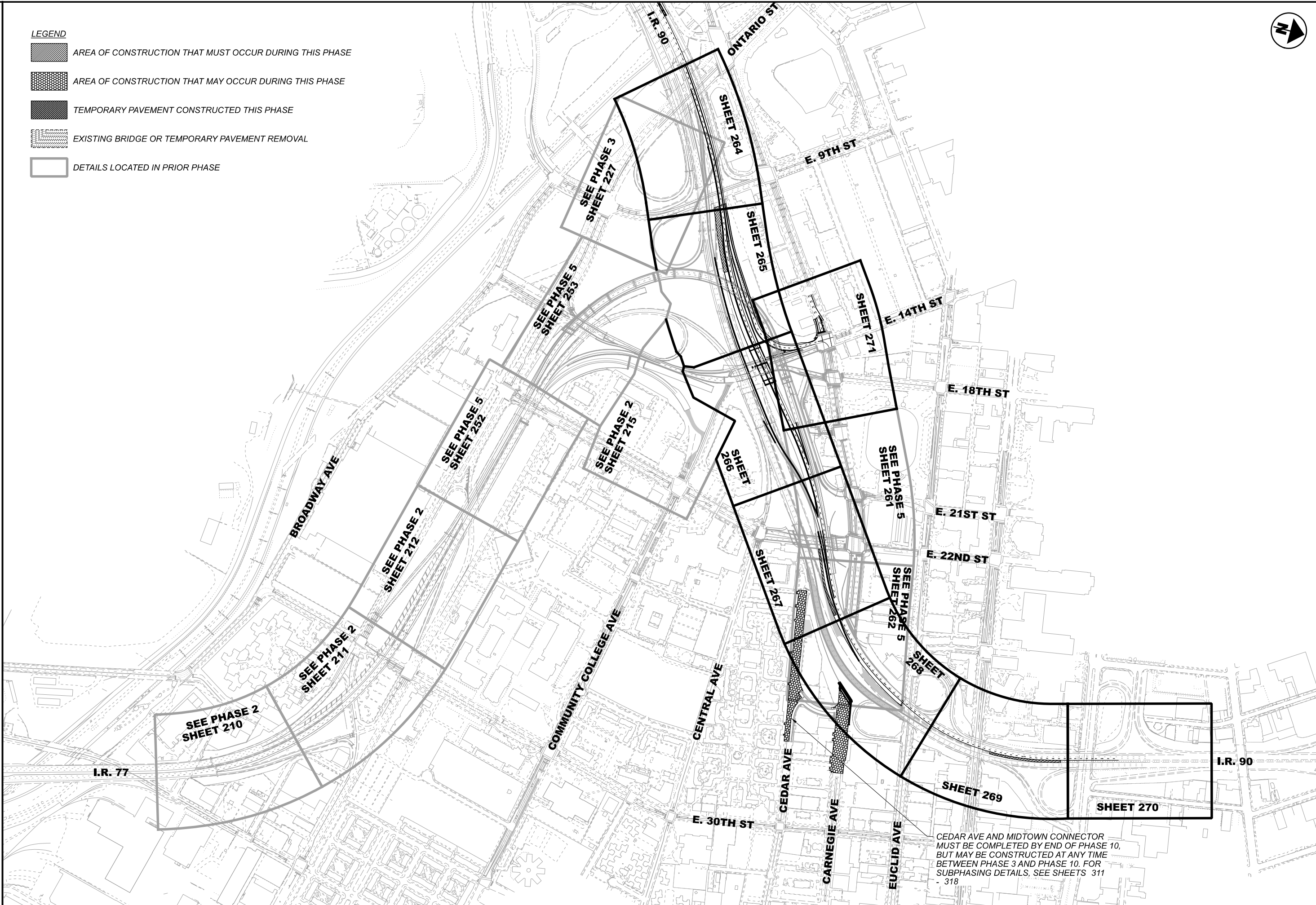
PROJECT ID

82382

SHEET TOTAL

262 2339

- LEGEND**
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 -  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 -  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 -  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
 -  DETAILS LOCATED IN PRIOR PHASE

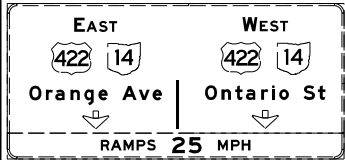
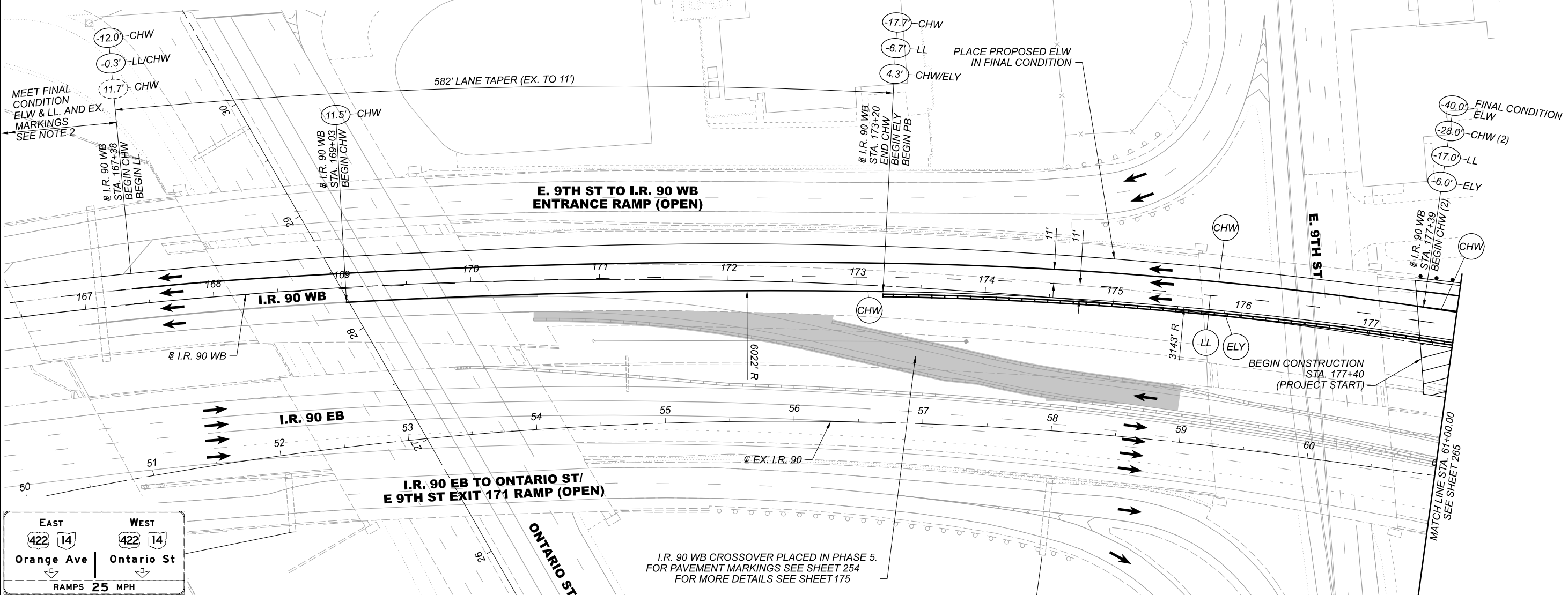


**MAINTENANCE OF TRAFFIC - PHASE 6
SHEET PLAN KEY**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	263
TOTAL	2339

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
2. ALL PROPOSED FINAL CONDITION PAVEMENT MARKINGS UPSTATION OF @ I.R. 90 WB STA. 167+38 PLACED FOR THIS PHASE. FOR DETAILS SEE SHEETS 1224 - 1228

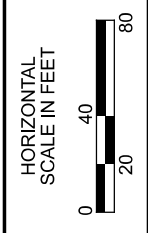
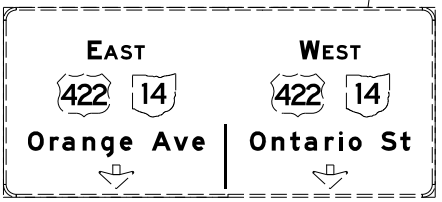


MAINTENANCE OF TRAFFIC LEGEND

- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
- AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
- OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- WORK ZONE EDGE LINE (WHITE), CLASS I
- WORK ZONE EDGE LINE (YELLOW), CLASS I
- WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
- WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
- WORK ZONE DOTTED LINE, CLASS I
- WORK ZONE LANE LINE, CLASS I
- WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
- WORK ZONE CROSS WALK LINE, CLASS I
- WORK ZONE STOP LINE, CLASS I
- WORK ZONE LANE ARROW, CLASS I
- ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN^
- IMPACT ATTENUATOR

* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.
 ^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC

I.R. 90 WB CROSSOVER PLACED IN PHASE 5.
 FOR PAVEMENT MARKINGS SEE SHEET 254
 FOR MORE DETAILS SEE SHEET 175

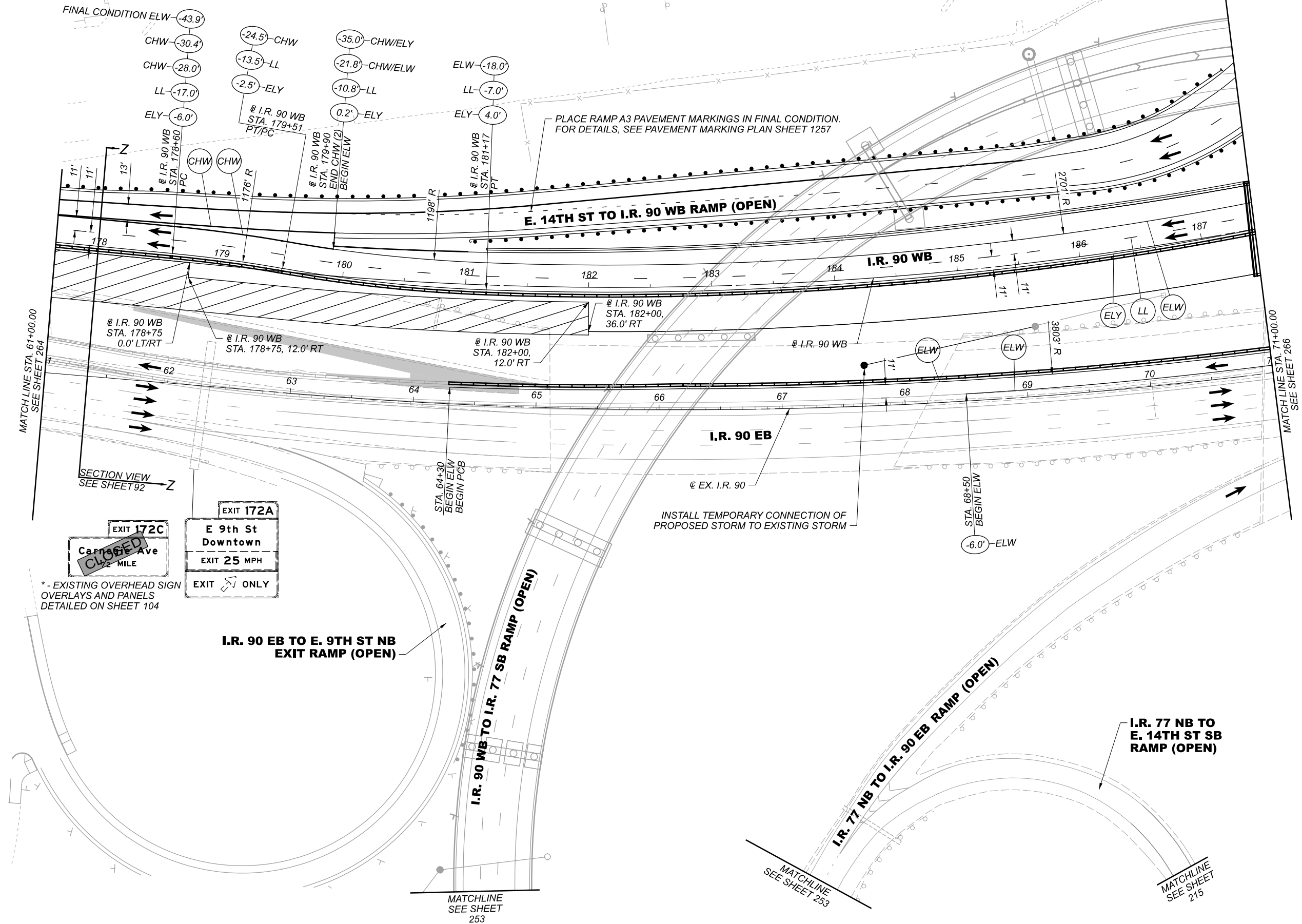


MAINTENANCE OF TRAFFIC - PHASE 6
I.R. 90 - BEGIN TO STA. 61+00.00

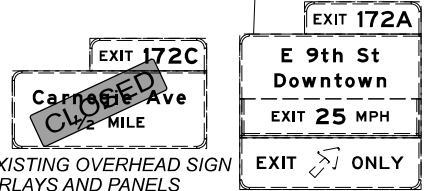
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	264
TOTAL	2339

NOTES:

1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
3. FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 264



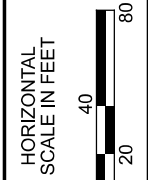
FINAL CONDITION ELW -43.9'	-24.5' CHW	-35.0' CHW/ELY	ELW -18.0'
CHW -30.4'	-13.5' LL	-21.8' CHW/ELW	LL -7.0'
CHW -28.0'	-2.5' ELY	-10.8' LL	ELY 4.0'
LL -17.0'		0.2' ELY	
ELY -6.0'			



* - EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 104

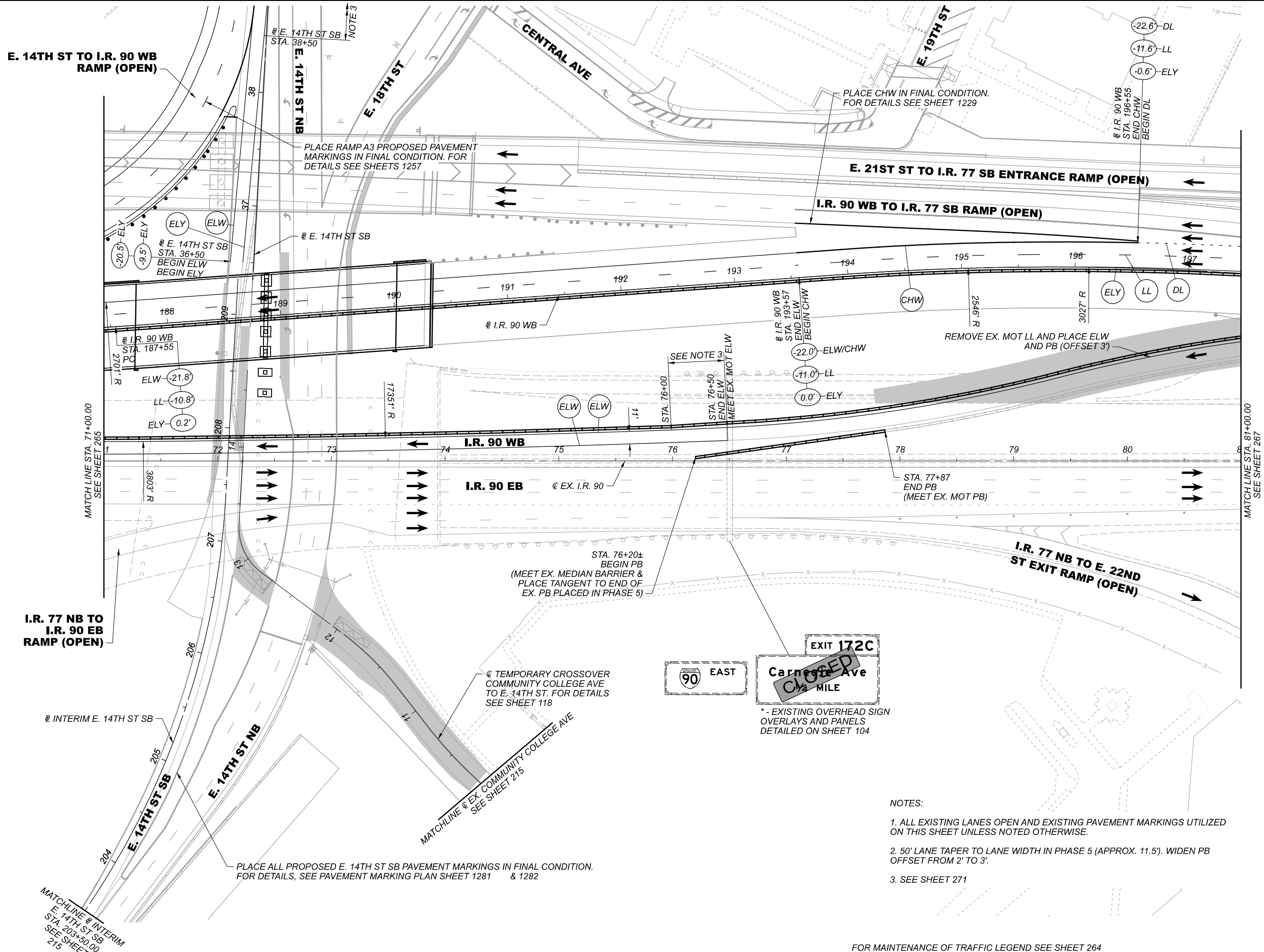
PLACE RAMP A3 PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS, SEE PAVEMENT MARKING PLAN SHEET 1257

INSTALL TEMPORARY CONNECTION OF PROPOSED STORM TO EXISTING STORM



MAINTENANCE OF TRAFFIC - PHASE 6
 I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	265
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 6
 I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

- NOTES:
1. ALL EXISTING LANES OPEN AND EXISTING PAVEMENT MARKINGS UTILIZED ON THIS SHEET UNLESS NOTED OTHERWISE.
 2. 50' LANE TAPER TO LANE WIDTH IN PHASE 5 (APPROX. 11.5'). WIDEN PB OFFSET FROM 2' TO 3'.
 3. SEE SHEET 271

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 264

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	266
TOTAL	2339

E. 21ST ST TO I.R. 77 SB
ENTRANCE RAMP (OPEN)

I.R. 90 WB TO I.R. 77 SB
RAMP (OPEN)

I.R. 77 NB TO E. 22ND ST
EXIT RAMP (OPEN)

FOR E. 22ND ST
PEDESTRIAN DETOUR
& DEVICES,
SEE SHEET 116

FOR CARNEGIE AVE PAVEMENT MARKING
DETAILS, SEE SHEET 261

PLACE LL AND ELY AT 11' OFFSETS
@ I.R. 90 WB STA. 207+30
BEGIN PB 14:1 FLARE

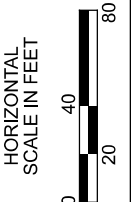
INSTALL SIGNING FOR I.R. 90
WB MEDIAN CROSSOVER OF
PASSING LANE PER MT-95.72

SECTION VIEW
SEE SHEET
92

TYPE 3 BARRIER
CLOSE ROAD PER MT-101.60

* - EXISTING OVERHEAD SIGN
OVERLAYS AND PANELS
DETAILED ON SHEET 104

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 264



MAINTENANCE OF TRAFFIC - PHASE 6
I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY

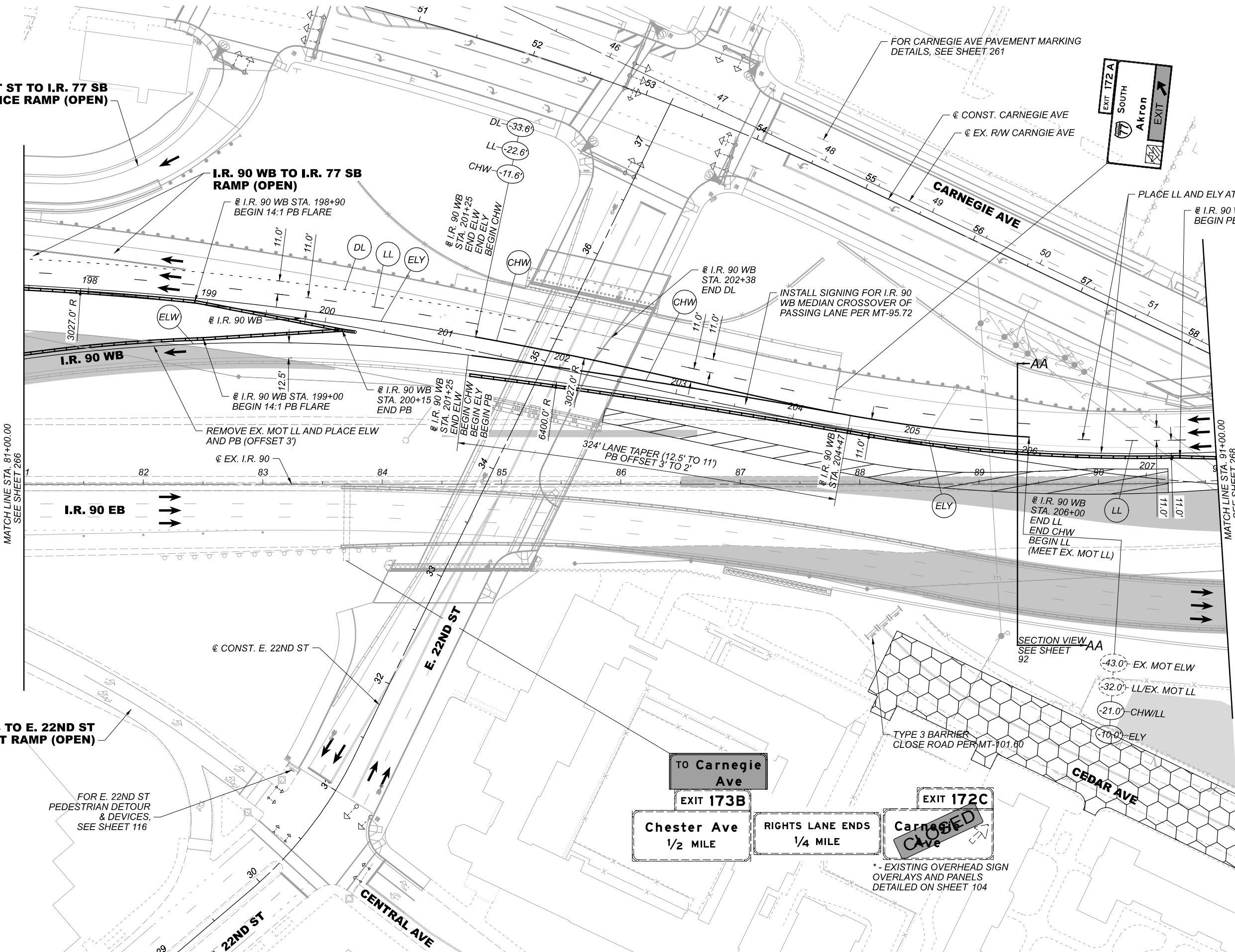
Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
267 2339



TO Carnegie Ave

EXIT 173B

Chester Ave
1/2 MILE

RIGHTS LANE ENDS
1/4 MILE

EXIT 172C

Closed

EXIT 172A

South Akron

EXIT

SECTION VIEW AA

SEE SHEET 92

-43.0' EX. MOT ELW

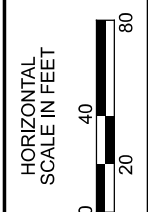
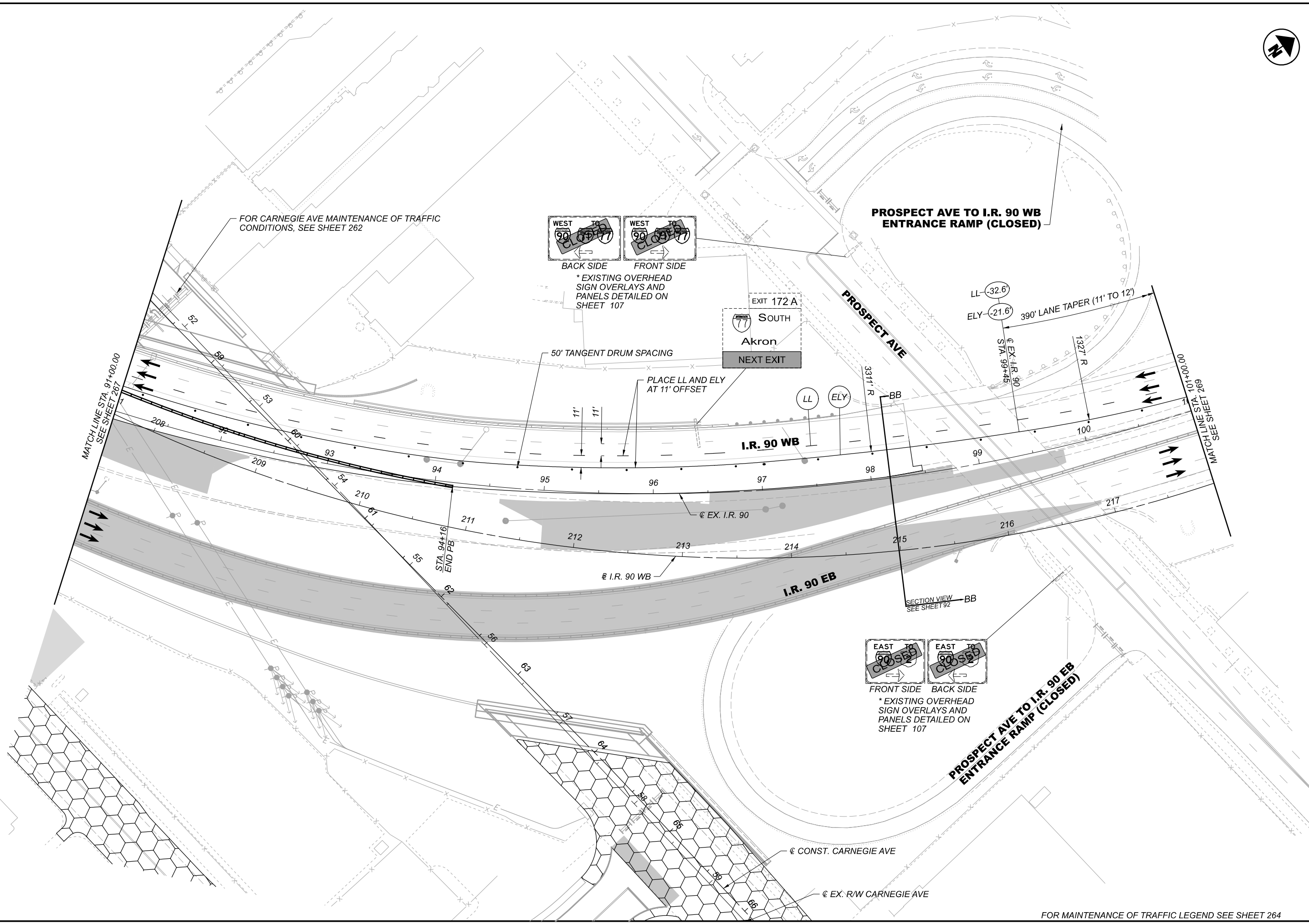
-32.0' LL/EX. MOT LL

-21.0' CHW/LL

-10.0' ELY

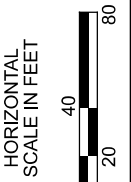
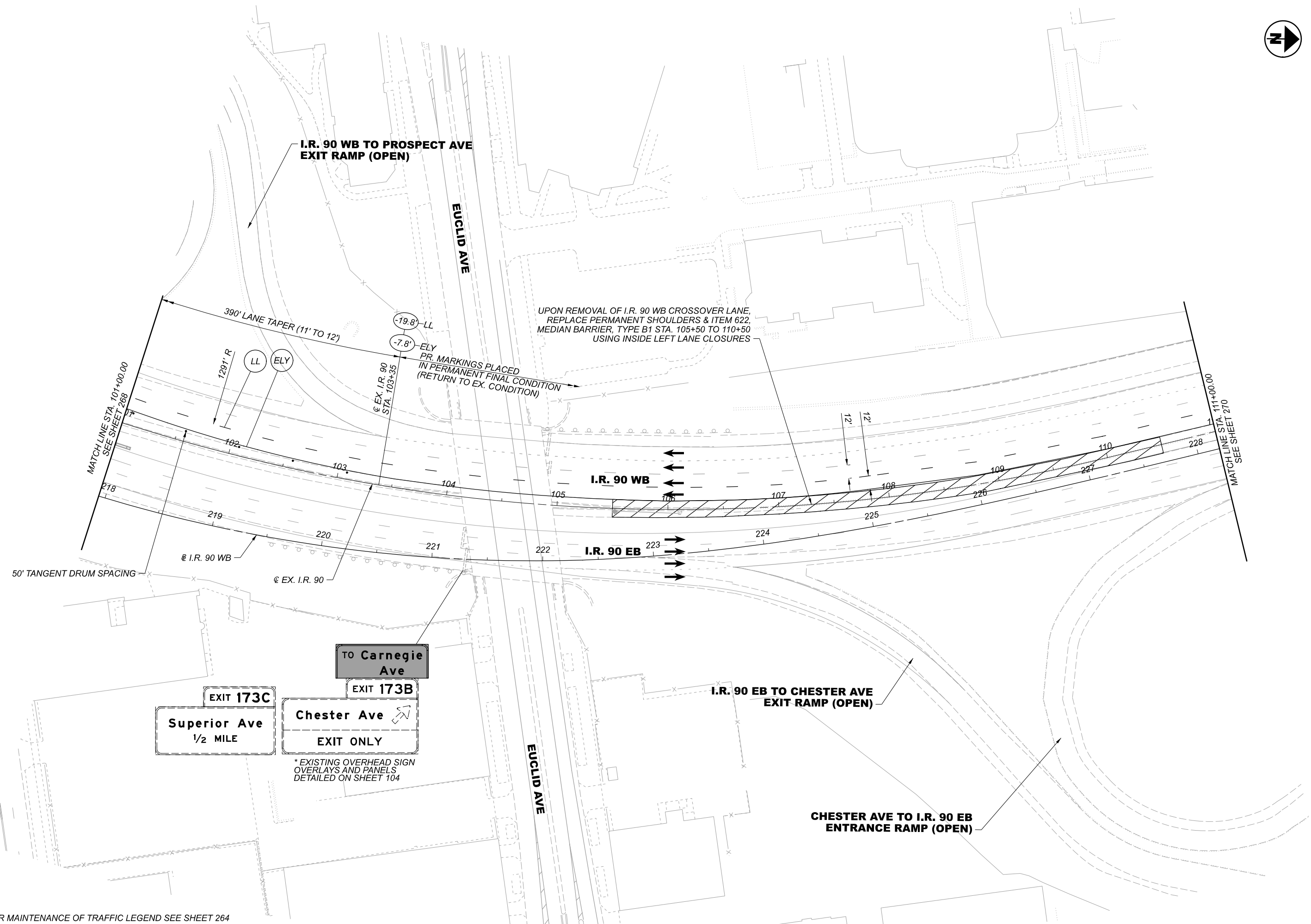
MATCH LINE STA. 81+00.00
SEE SHEET 266

MATCH LINE STA. 91+00.00
SEE SHEET 268



MAINTENANCE OF TRAFFIC - PHASE 6
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00

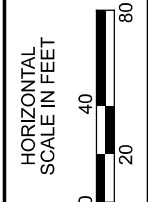
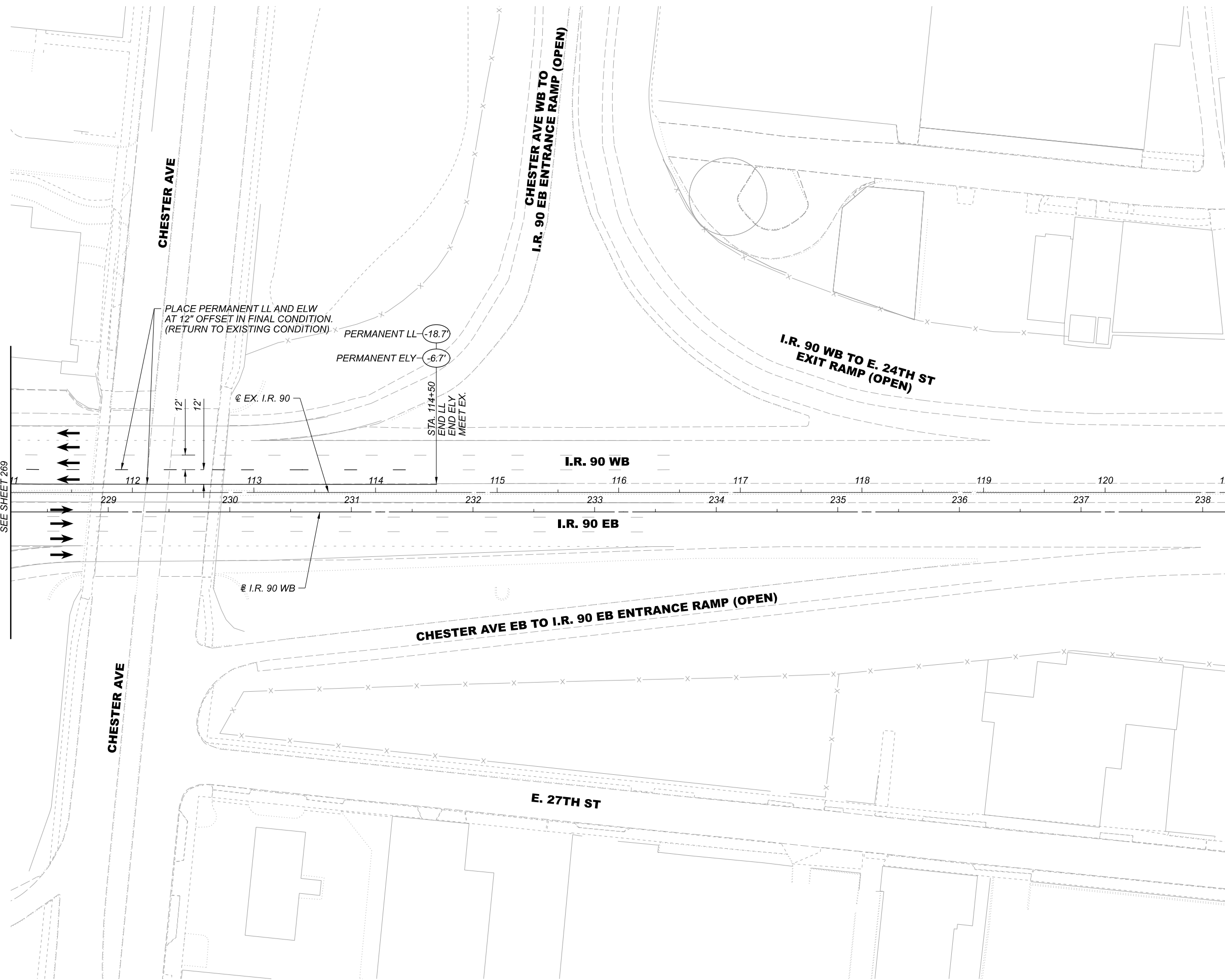
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	268
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 6
 I.R. 90 - STA. 101+00.00 TO STA. 111+00.00

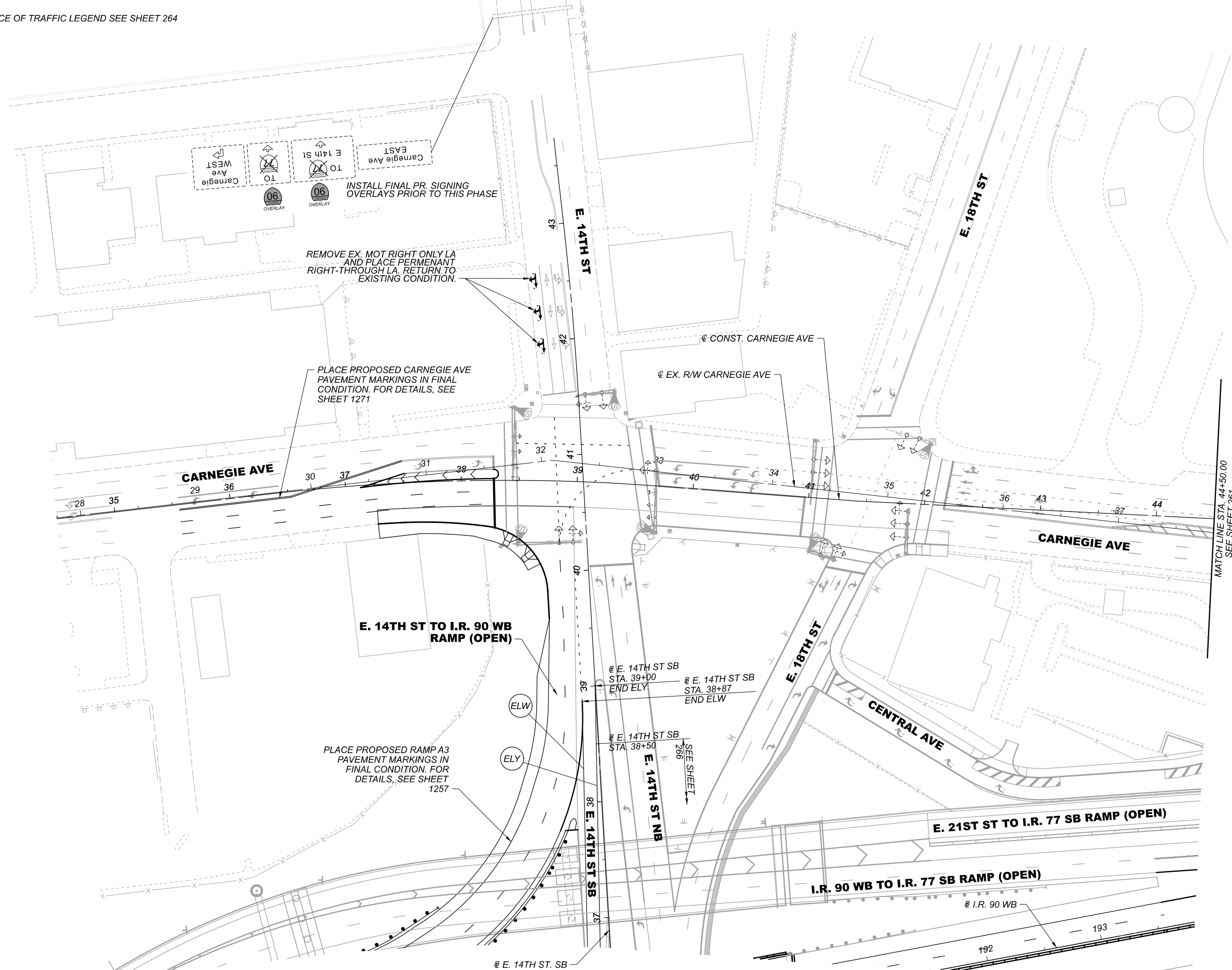
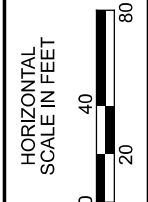
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	269
TOTAL	2339

MATCH LINE STA. 111+00.00
 SEE SHEET 269



MAINTENANCE OF TRAFFIC - PHASE 6
 I.R. 90 - STA. 111+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
270	2339








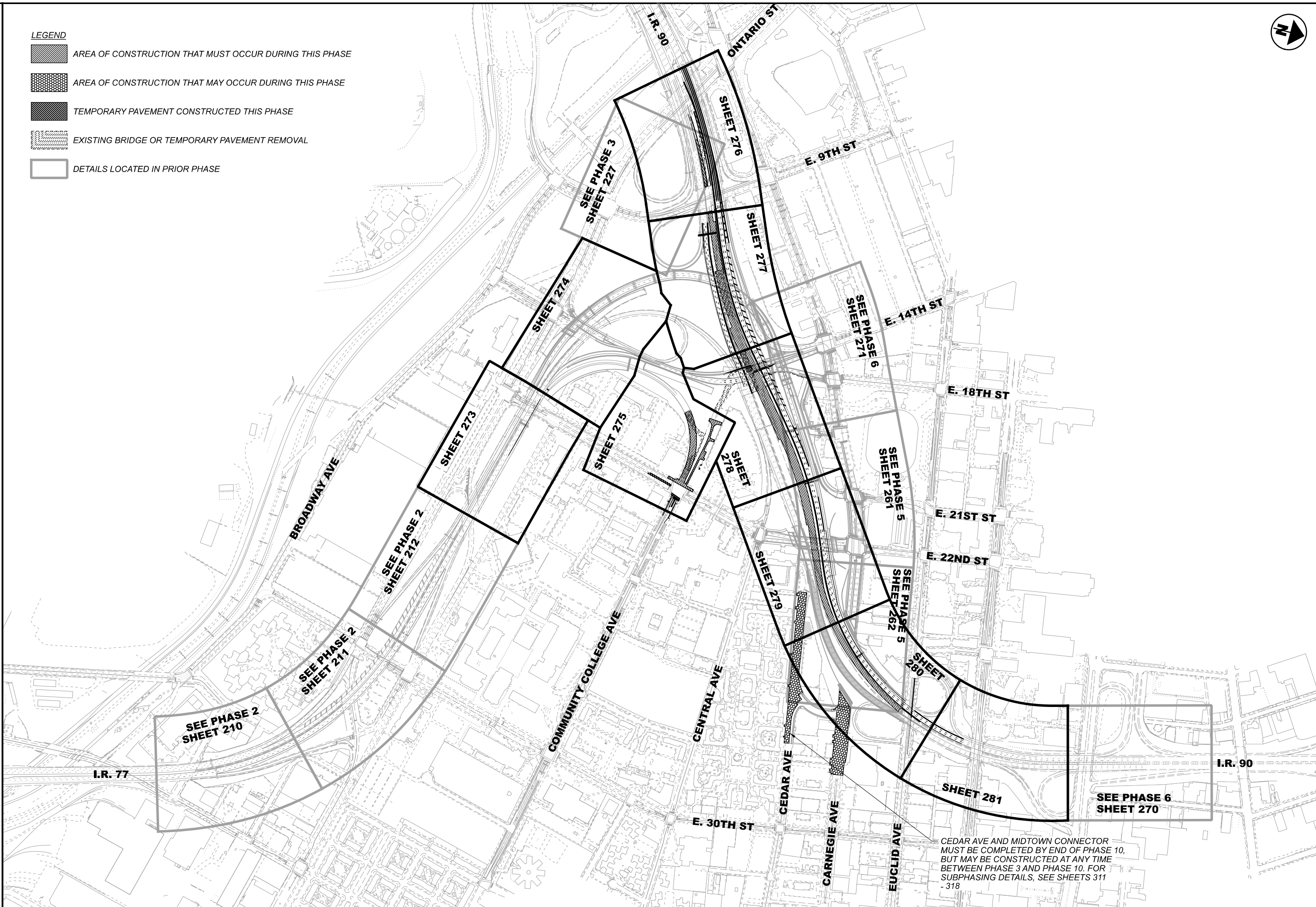
CUY-90-16.28 (CCG3A)
MODEL: MP6015 PAPER SIZE: ITXII (in.) DATE: 6/22/2022 TIME: 8:43:07 PM USER: Caroline.Owings
p:\mb-us-pw\bentley.comb-us-pw-03\Documents\Cleveland_OH\01_Projects\0001\Dist\12\82382_400-Engineering\WOT_Sheets\82382_MP6015.dgn

MAINTENANCE OF TRAFFIC - PHASE 6
CARNEGIE AVE - BEGIN TO STA. 44+50.00

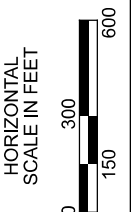
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	271
TOTAL	2339

LEGEND

-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
-  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
-  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  DETAILS LOCATED IN PRIOR PHASE























CEDAR AVE AND MIDTOWN CONNECTOR
 MUST BE COMPLETED BY END OF PHASE 10,
 BUT MAY BE CONSTRUCTED AT ANY TIME
 BETWEEN PHASE 3 AND PHASE 10. FOR
 SUBPHASING DETAILS, SEE SHEETS 311
 - 318



MAINTENANCE OF TRAFFIC - PHASE 7
 SHEET PLAN KEY

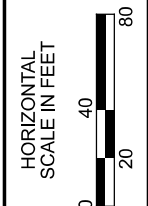
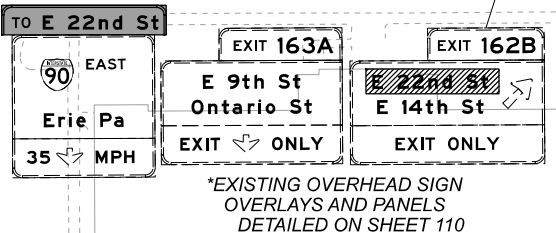
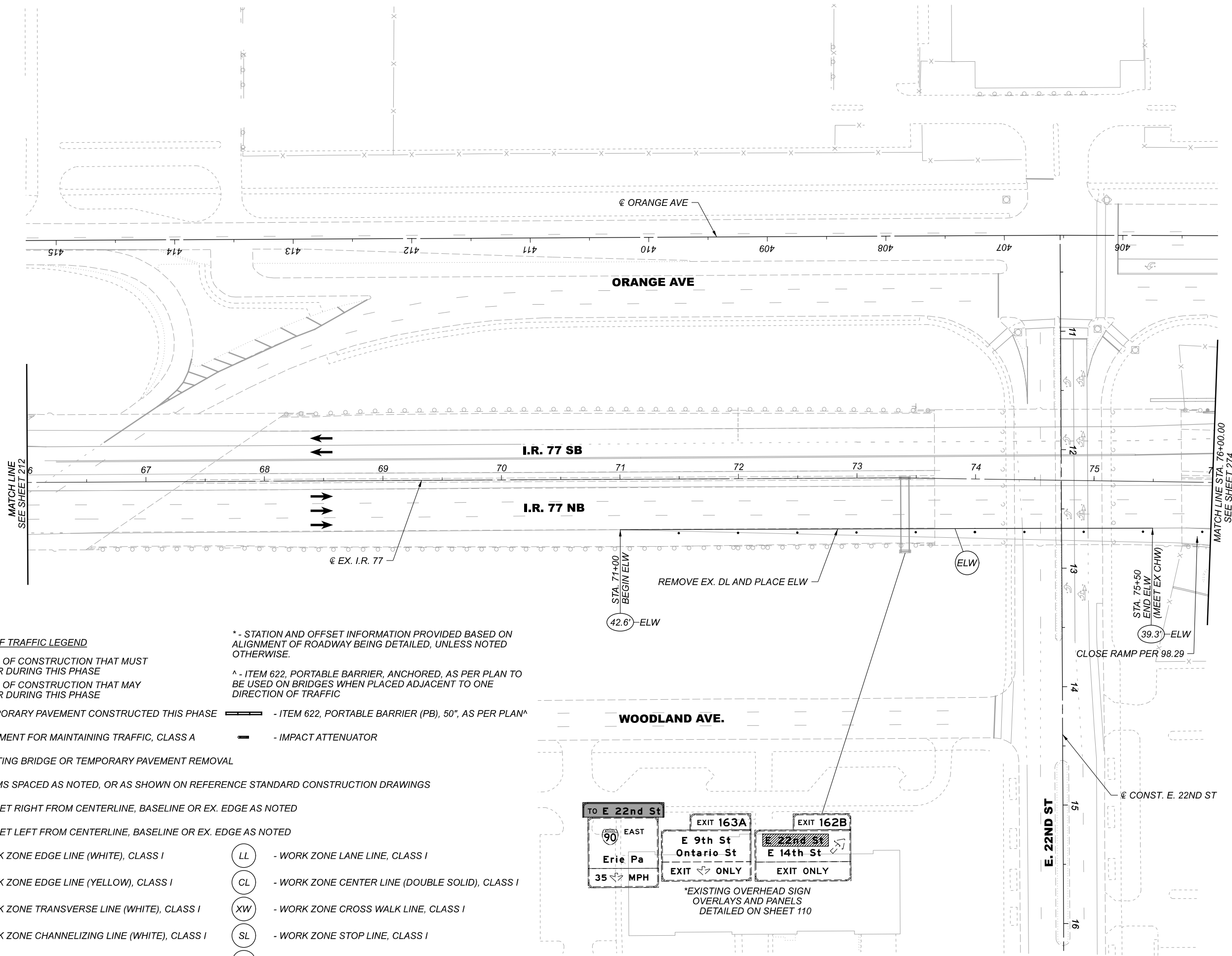
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
—	
REVIEWER	
—	
PROJECT ID	
82382	
SHEET	TOTAL
272	2339

MAINTENANCE OF TRAFFIC LEGEND

-  - AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
-  - AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
-  - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
-  - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  - DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
-  (17.5') - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
-  (-17.5') - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
-  (ELW) - WORK ZONE EDGE LINE (WHITE), CLASS I
-  (ELY) - WORK ZONE EDGE LINE (YELLOW), CLASS I
-  (TLW) - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
-  (CHW) - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
-  (DL) - WORK ZONE DOTTED LINE, CLASS I
-  (LL) - WORK ZONE LANE LINE, CLASS I
-  (CL) - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
-  (XW) - WORK ZONE CROSS WALK LINE, CLASS I
-  (SL) - WORK ZONE STOP LINE, CLASS I
-  (LA) - WORK ZONE LANE ARROW, CLASS I
-  - ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN^
-  - IMPACT ATTENUATOR

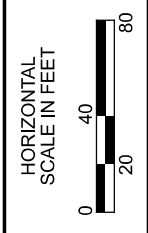
* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.

^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC



MAINTENANCE OF TRAFFIC - PHASE 7
 STA. 66+00.00 TO STA. 76+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	273
TOTAL	2339



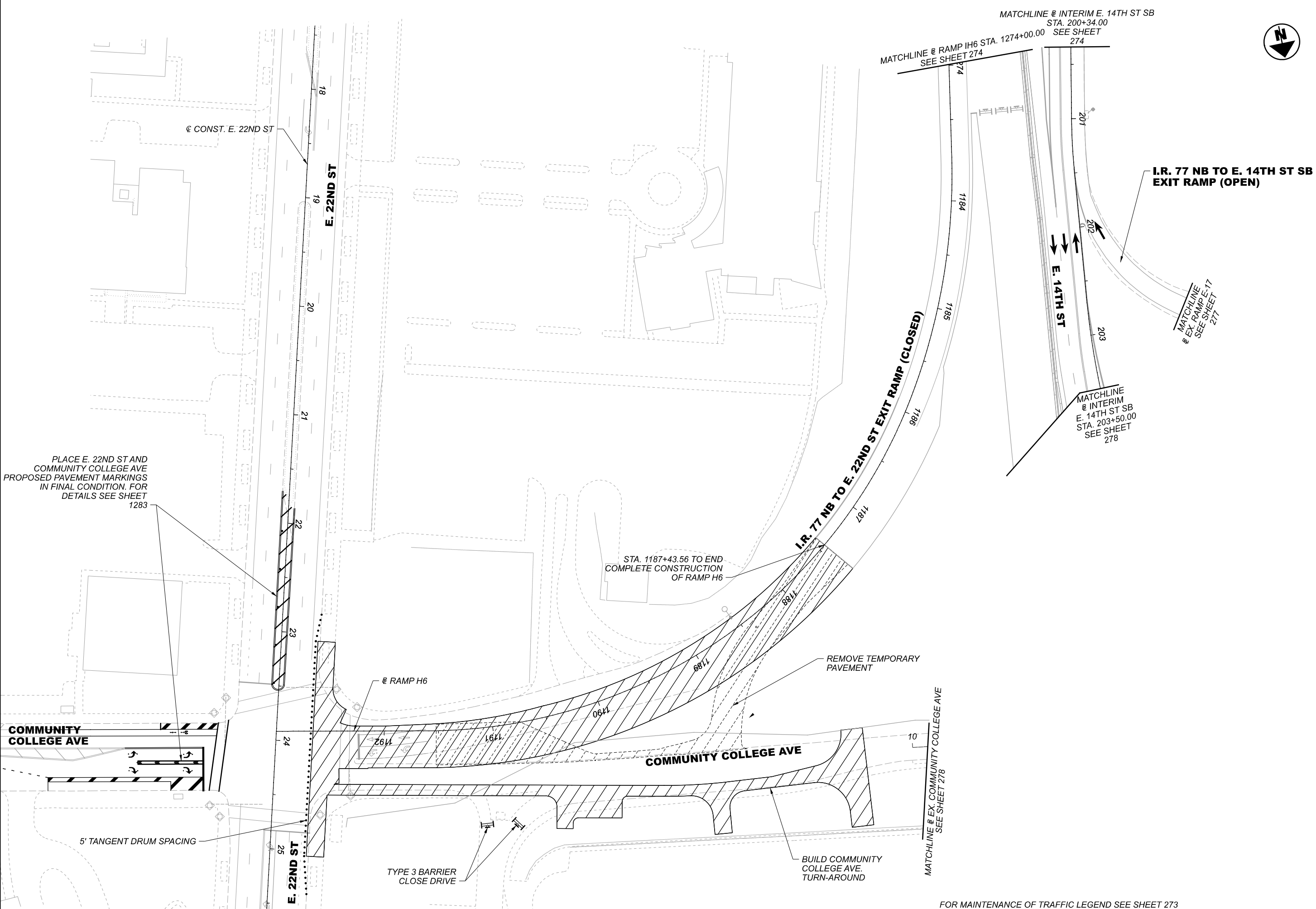
MAINTENANCE OF TRAFFIC - PHASE 7
 I.R. 77 - STA. 76+00.00 TO END / RAMP IH6 - BEGIN TO STA. 1274+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	TOTAL
274	2339

MATCHLINE @ RAMP IH6 STA. 1274+00.00 SEE SHEET 275
 MATCHLINE @ INTERIM E. 14TH ST SB SEE SHEET 275
 FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 273

CUY-90-16.28

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MATCHLINE @ INTERIM E. 14TH ST SB
STA. 200+34.00
SEE SHEET 274

MATCHLINE @ RAMP IH6 STA. 1274+00.00
SEE SHEET 274

I.R. 77 NB TO E. 14TH ST SB
EXIT RAMP (OPEN)

MATCHLINE @ EX. RAMP E-17
SEE SHEET 277

MATCHLINE @ INTERIM E. 14TH ST SB
STA. 203+50.00
SEE SHEET 278

STA. 1187+43.56 TO END
COMPLETE CONSTRUCTION
OF RAMP H6

REMOVE TEMPORARY
PAVEMENT

MATCHLINE @ EX. COMMUNITY COLLEGE AVE
SEE SHEET 278

PLACE E. 22ND ST AND
COMMUNITY COLLEGE AVE
PROPOSED PAVEMENT MARKINGS
IN FINAL CONDITION. FOR
DETAILS SEE SHEET
1283



MAINTENANCE OF TRAFFIC - PHASE 7
RAMP H6 - STA. 1274+00.00 TO END

DESIGN AGENCY

Michael Baker
INTERNATIONAL

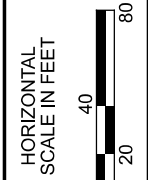
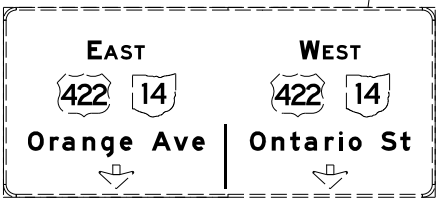
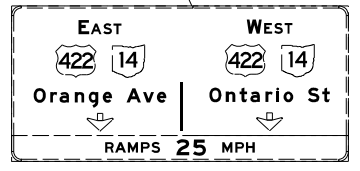
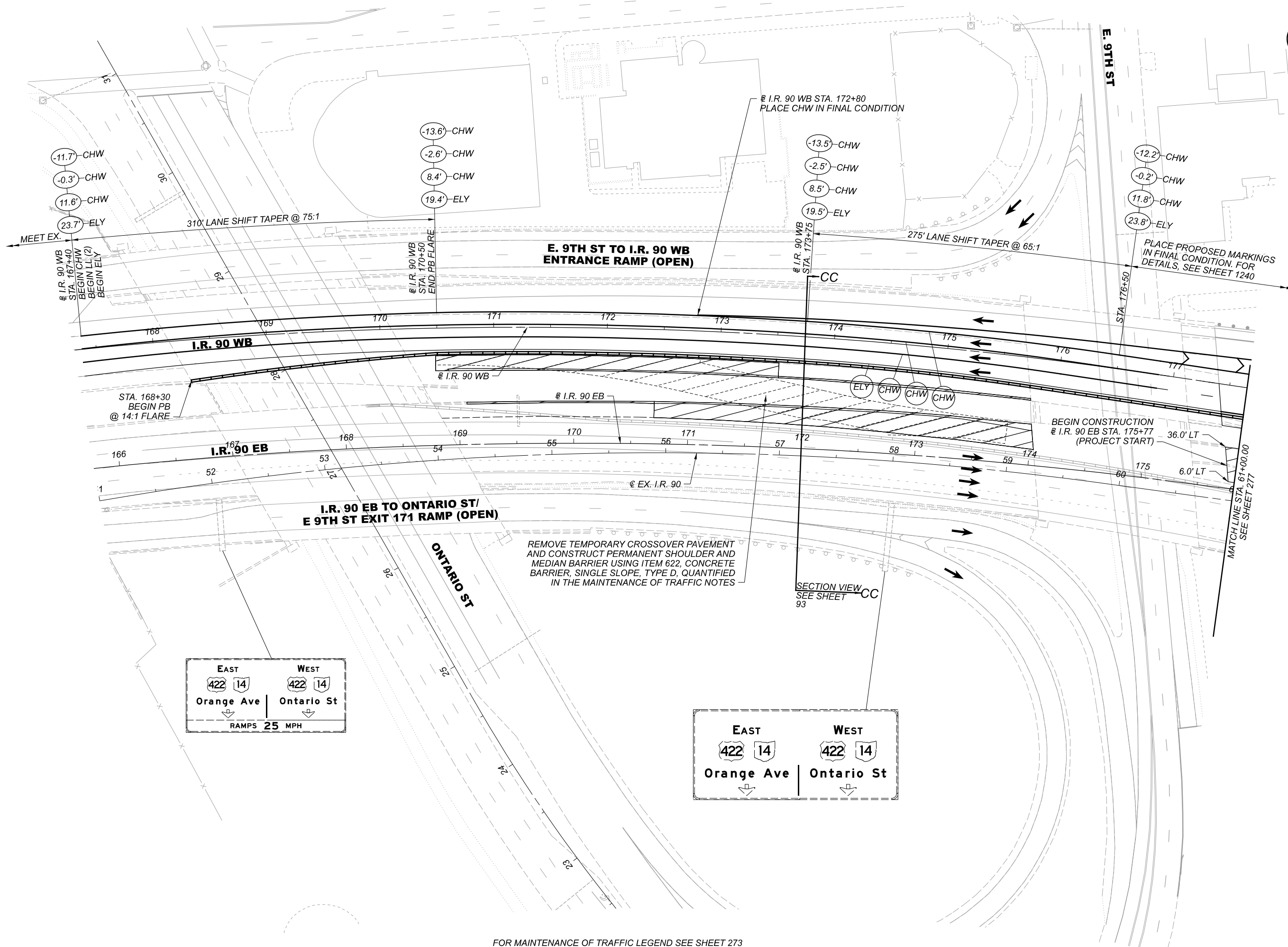
DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
275 2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 273



MAINTENANCE OF TRAFFIC - PHASE 7
 I.R. 90 - BEGIN TO STA. 61+00.00

DESIGN AGENCY

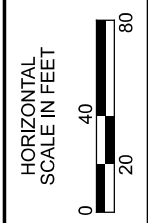
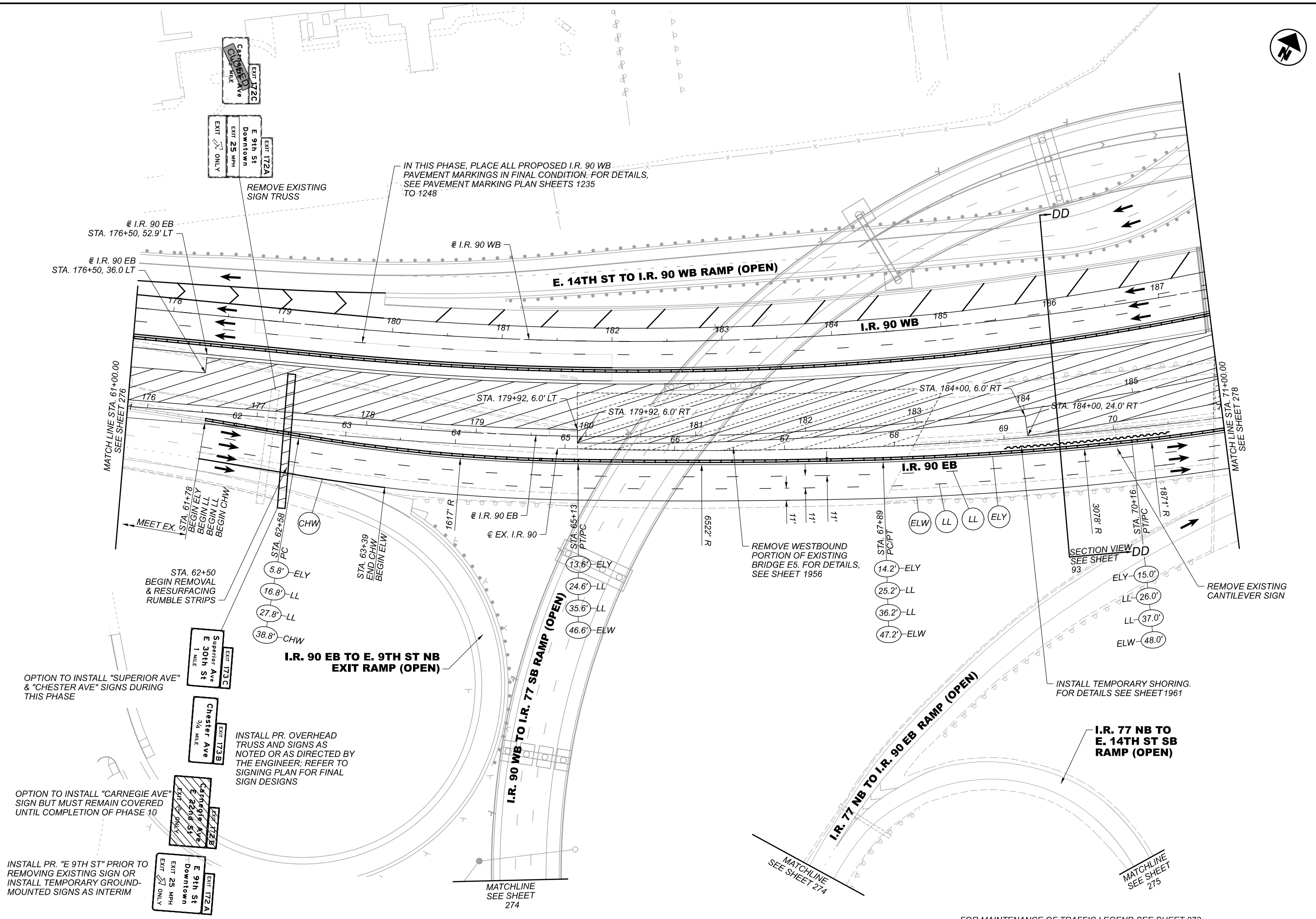
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

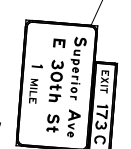
PROJECT ID
82382

SHEET	TOTAL
276	2339



MAINTENANCE OF TRAFFIC - PHASE 7
 I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

OPTION TO INSTALL "SUPERIOR AVE" & "CHESTER AVE" SIGNS DURING THIS PHASE



INSTALL PR. OVERHEAD TRUSS AND SIGNS AS NOTED OR AS DIRECTED BY THE ENGINEER; REFER TO SIGNING PLAN FOR FINAL SIGN DESIGNS

OPTION TO INSTALL "CARNEGIE AVE" SIGN BUT MUST REMAIN COVERED UNTIL COMPLETION OF PHASE 10



INSTALL PR. "E 9TH ST" PRIOR TO REMOVING EXISTING SIGN OR INSTALL TEMPORARY GROUND-MOUNTED SIGNS AS INTERIM



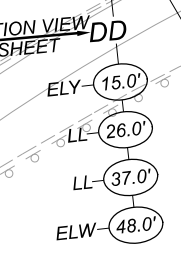
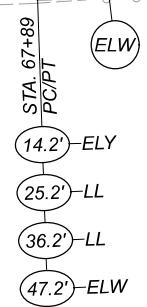
IN THIS PHASE, PLACE ALL PROPOSED I.R. 90 WB PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS, SEE PAVEMENT MARKING PLAN SHEETS 1235 TO 1248

REMOVE EXISTING SIGN TRUSS

REMOVE WESTBOUND PORTION OF EXISTING BRIDGE E5. FOR DETAILS, SEE SHEET 1956

INSTALL TEMPORARY SHORING. FOR DETAILS SEE SHEET 1961

REMOVE EXISTING CANTILEVER SIGN



DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	277
TOTAL	2339

E. 14TH ST TO I.R. 90 WB RAMP (OPEN)

E. 14TH ST NB

E. 18TH ST

CENTRAL AVE

E. 19TH ST

IN THIS PHASE, PLACE ALL PROPOSED I.R. 90 WB PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS SEE PAVEMENT MARKING PLAN SHEETS 1235 TO 1235

E. 21ST ST TO I.R. 77 SB ENTRANCE RAMP (OPEN)

I.R. 90 WB TO I.R. 77 SB RAMP (OPEN)

I.R. 90 WB

I.R. 90 EB

I.R. 77 NB TO I.R. 90 EB RAMP (OPEN)

I.R. 77 NB TO E. 22ND ST EXIT RAMP (OPEN)

REMOVE TEMPORARY PAVEMENT AND INSTALL OMITTED LEFT TURN LANE.

@ E. 14TH ST SB STA. 208+20 END PB END ELY (MEET EX. PB & EX. ELY)

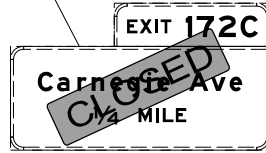
REMOVE WESTBOUND PORTION OF EXISTING BRIDGE E8. FOR DETAILS, SEE SHEET 1613

PLACE TOE OF PB AT 1' OFFSET FROM WORK ZONE AND REMOVE EX. MOT CHW.

PLACE PB TOE OF BARRIER AT 1' OFFSET PLACE ELY 11' OFFSET FROM EX. ELW @ E. 14TH ST SB STA. 207+15 BEGIN ELY

STA. 73+34 END PB END ALL PR. MOT MARKINGS (MEET EX. MOT MARKINGS)

REMOVE TEMPORARY CROSSOVER COMMUNITY COLLEGE AVE TO E. 14TH ST AND INSTALL OMITTED CURB ALONG E. 14TH ST



REMOVE EXISTING SIGN TRUSS

SECTION VIEW SEE SHEET 93 EE

NOTES:

1. AFTER REMOVAL OF EXISTING BRIDGE PIERS AND REMOVAL OF TEMPORARY CROSSOVER, REMOVE TEMPORARY PAVEMENT ALONG THE MEDIAN SIDE OF E. 14TH ST SB AND CONSTRUCT ALL PREVIOUSLY OMITTED PROPOSED E. 14TH ST FINAL CONDITION PAVEMENT AND CURB. ALSO PLACE OMITTED PROPOSED LANE LINES ON E. 14TH ST NB.

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 273



MAINTENANCE OF TRAFFIC - PHASE 7
 I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

DESIGN AGENCY

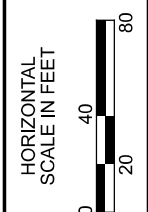
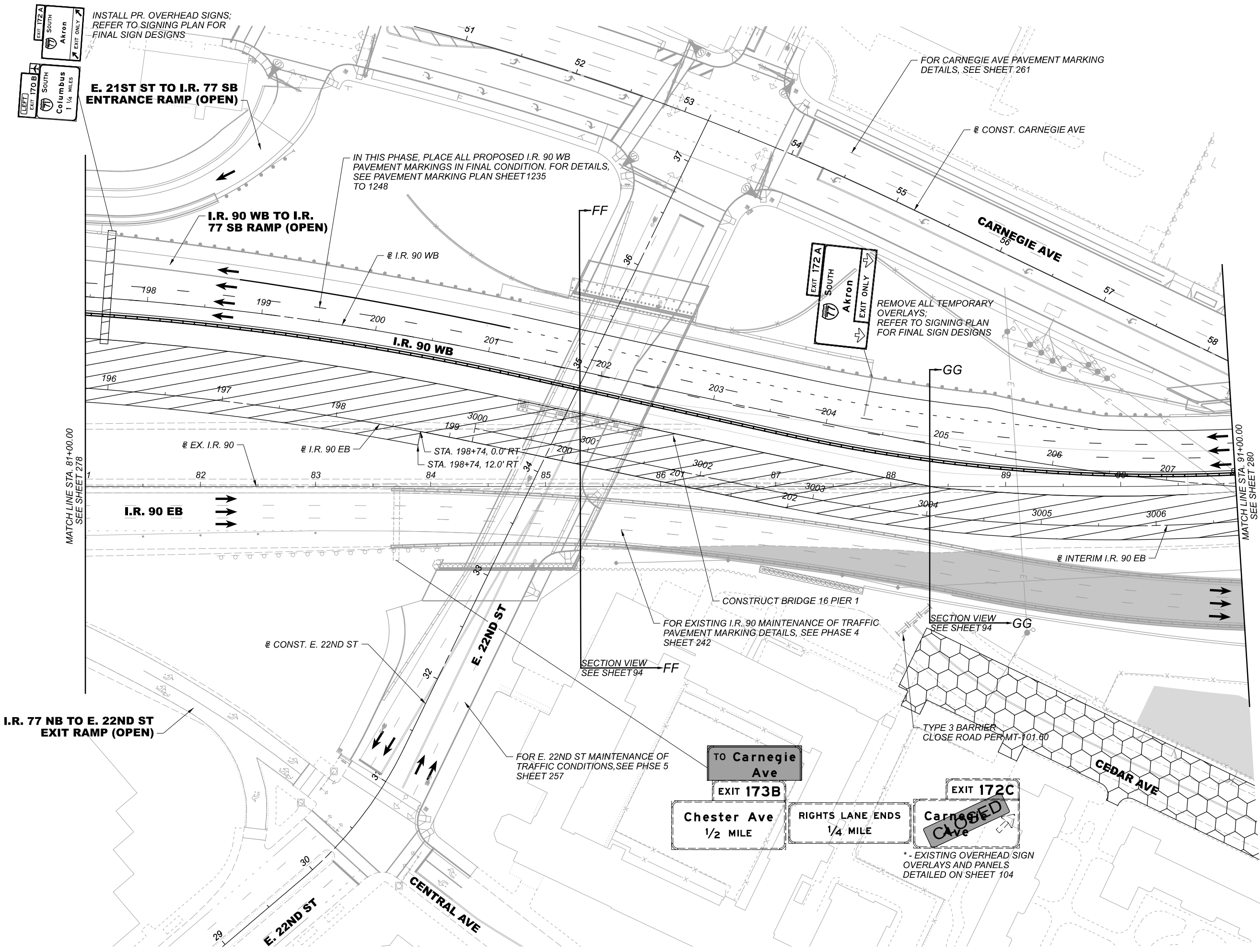
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

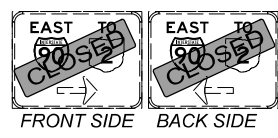
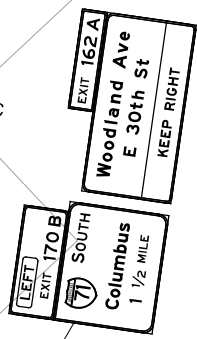
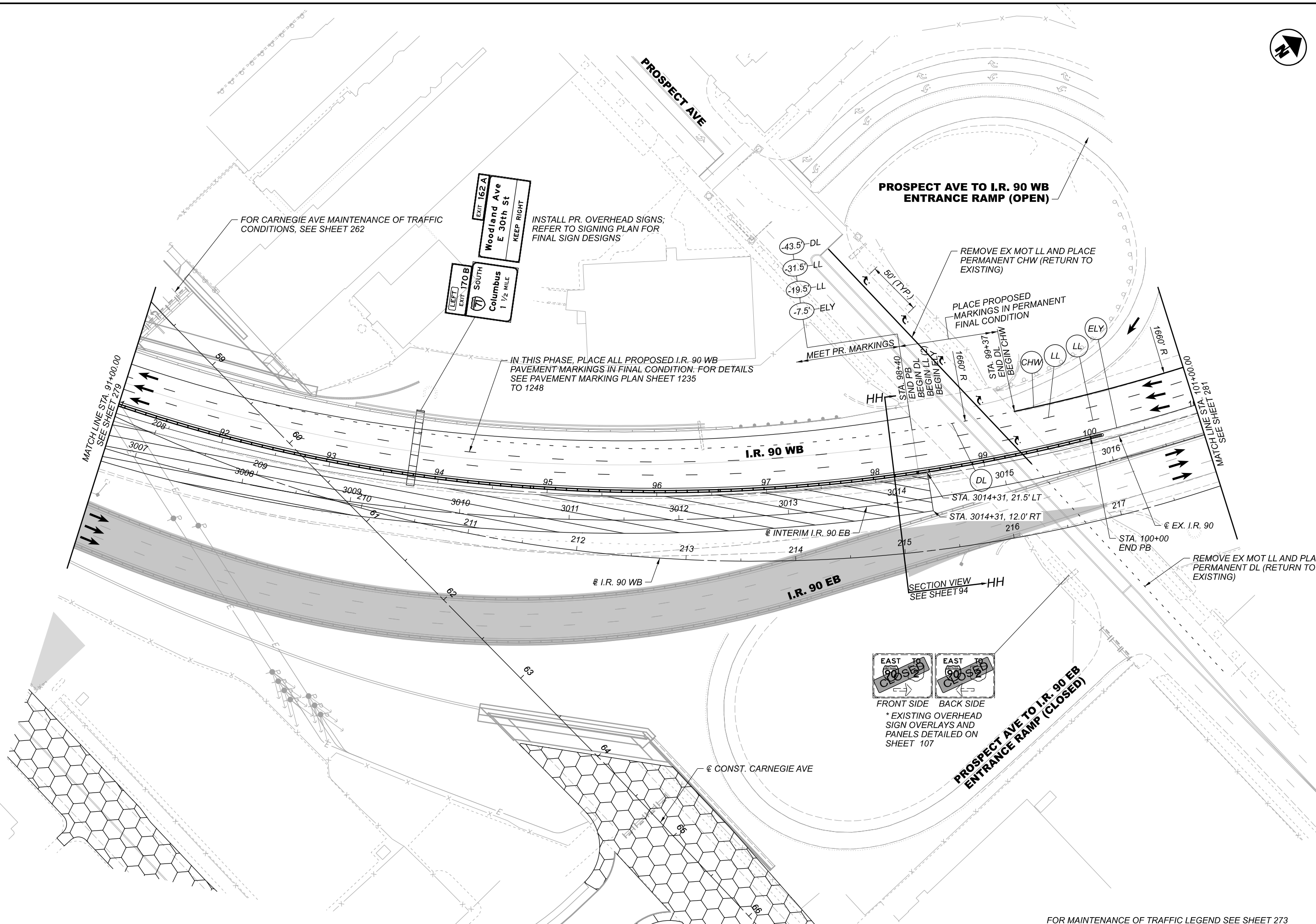
PROJECT ID
82382

SHEET	TOTAL
278	2339

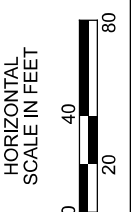


MAINTENANCE OF TRAFFIC - PHASE 7
I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	279
TOTAL	2339

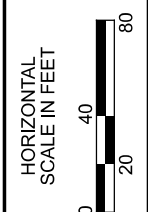
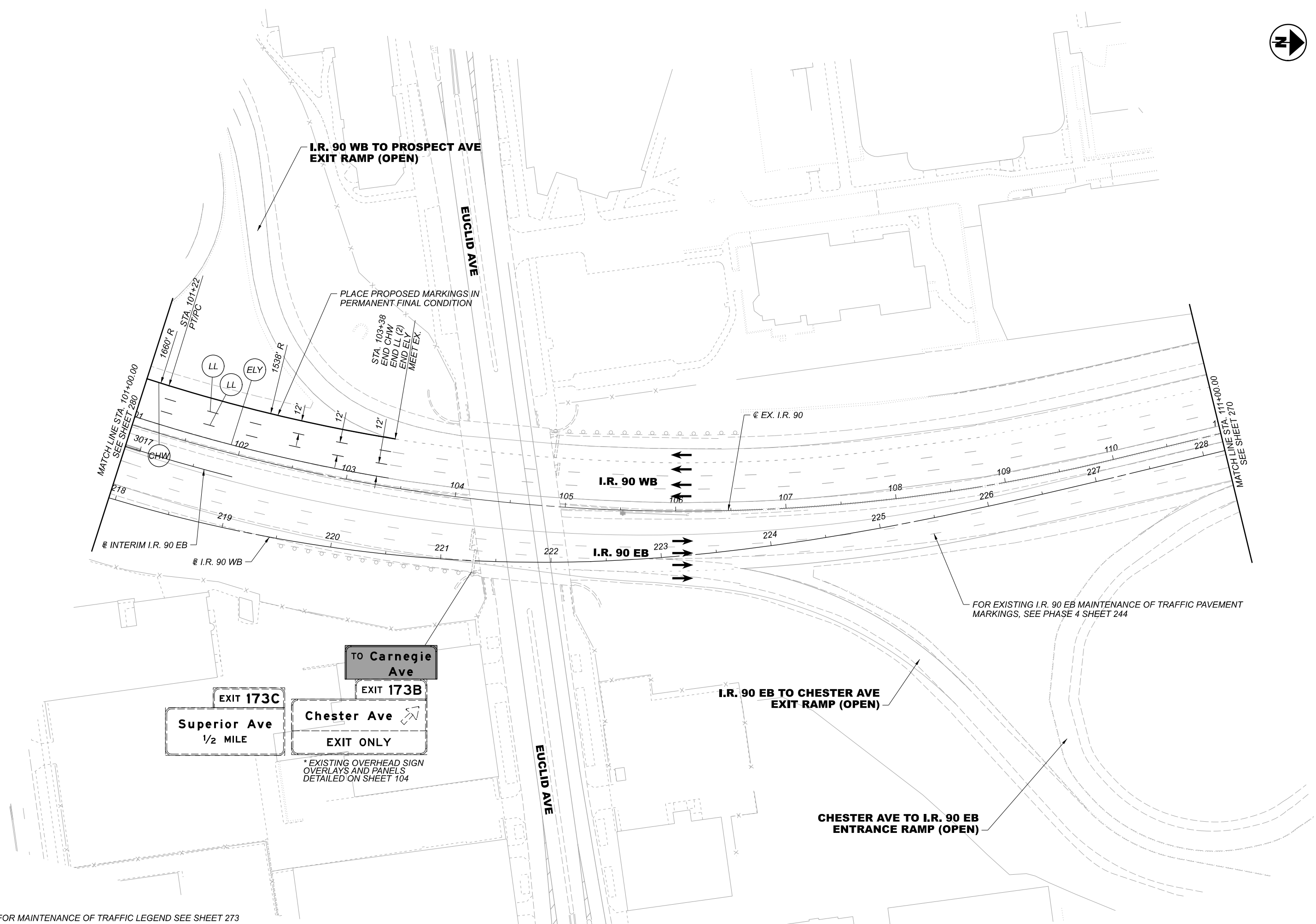


* EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 107








MAINTENANCE OF TRAFFIC - PHASE 7
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00

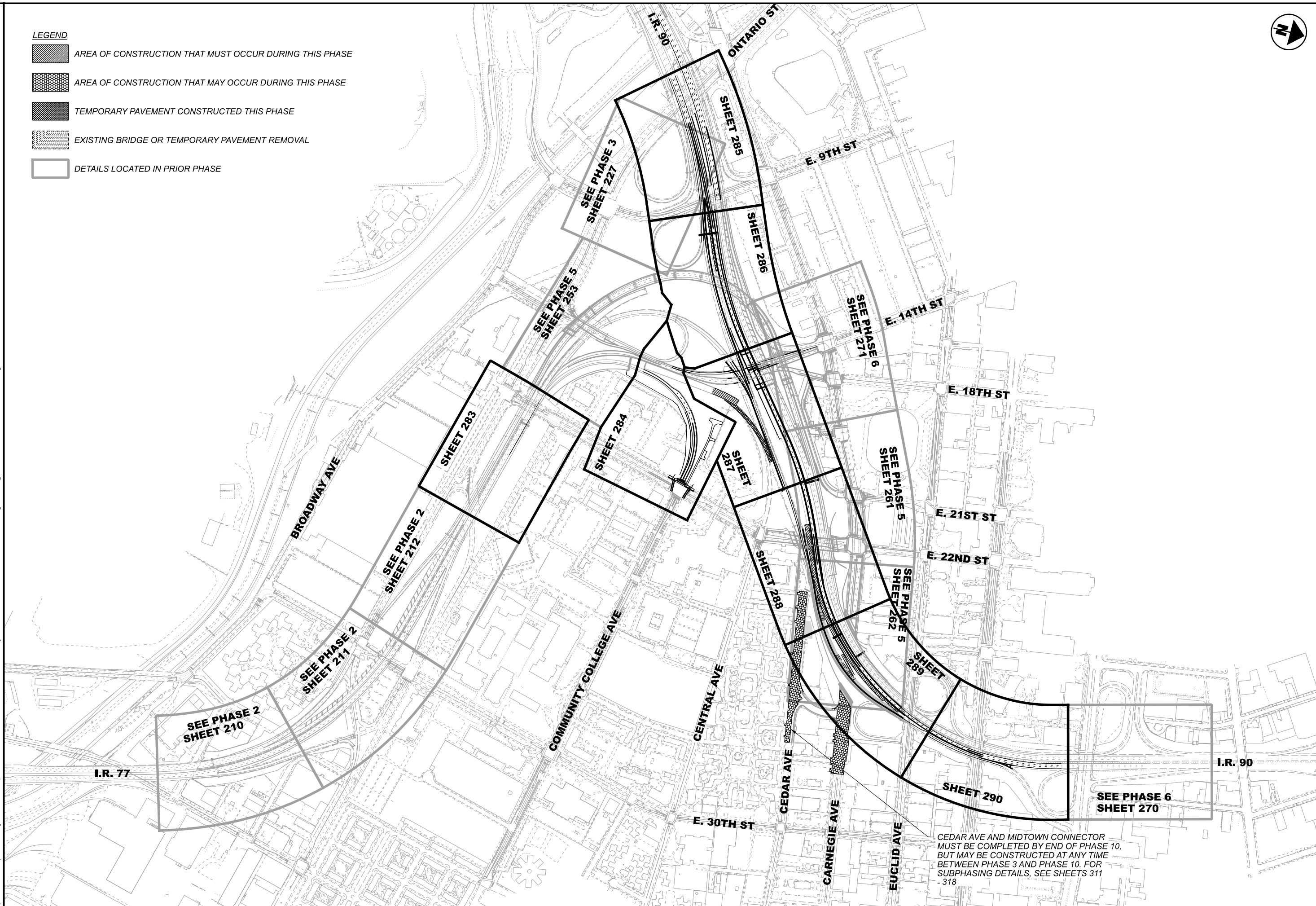
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	280
TOTAL	2339



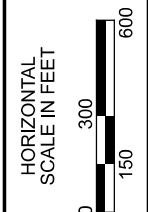
MAINTENANCE OF TRAFFIC - PHASE 7
I.R. 90 - STA. 101+00.00 TO STA. 111+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	281
TOTAL	2339

- LEGEND**
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 -  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 -  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 -  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
 -  DETAILS LOCATED IN PRIOR PHASE





















CEDAR AVE AND MIDTOWN CONNECTOR
 MUST BE COMPLETED BY END OF PHASE 10,
 BUT MAY BE CONSTRUCTED AT ANY TIME
 BETWEEN PHASE 3 AND PHASE 10. FOR
 SUBPHASING DETAILS, SEE SHEETS 311
 - 318



**MAINTENANCE OF TRAFFIC - PHASE 8
 SHEET PLAN KEY**


DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	282
TOTAL	2339


MAINTENANCE OF TRAFFIC LEGEND

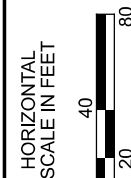
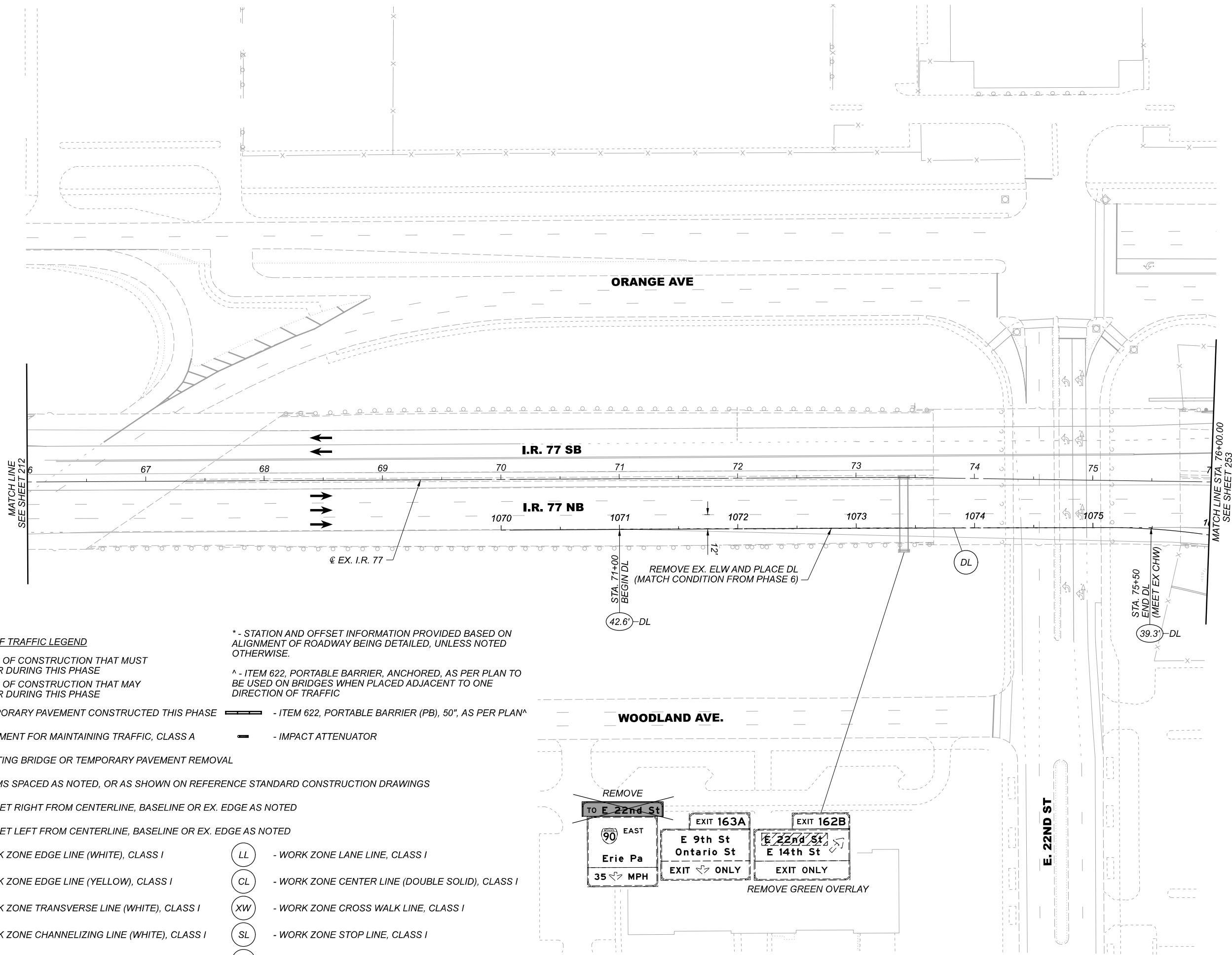
-  - AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
-  - AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
-  - TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  - PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
-  - EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  - DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
-  (17.5') - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
-  (-17.5') - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
-  (ELW) - WORK ZONE EDGE LINE (WHITE), CLASS I
-  (ELY) - WORK ZONE EDGE LINE (YELLOW), CLASS I
-  (TLW) - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
-  (CHW) - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
-  (DL) - WORK ZONE DOTTED LINE, CLASS I
-  (LL) - WORK ZONE LANE LINE, CLASS I
-  (CL) - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
-  (XW) - WORK ZONE CROSS WALK LINE, CLASS I
-  (SL) - WORK ZONE STOP LINE, CLASS I
-  (LA) - WORK ZONE LANE ARROW, CLASS I

* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.

^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC

 - ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN^

 - IMPACT ATTENUATOR



MAINTENANCE OF TRAFFIC - PHASE 8
 I.R. 77 - STA. 66+00.00 TO STA. 76+00.00

DESIGN AGENCY

Michael Baker
 INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

SHEET

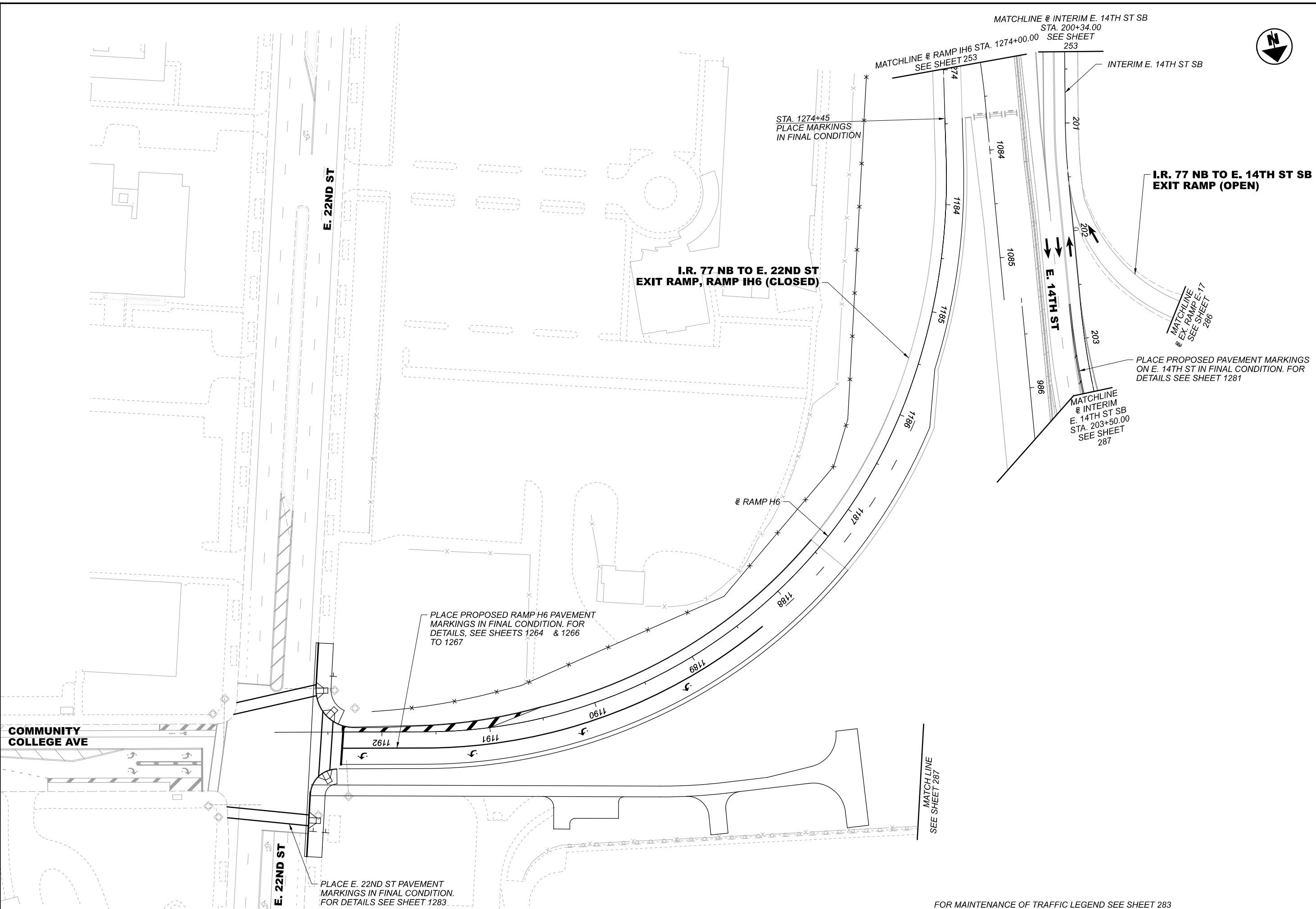
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TOTAL

2339

CUY-90-16.28

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PLACE E. 22ND ST PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS SEE SHEET 1283

PLACE PROPOSED RAMP H6 PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS, SEE SHEETS 1264 & 1266 TO 1267

STA. 1274+45
PLACE MARKINGS IN FINAL CONDITION

I.R. 77 NB TO E. 14TH ST SB EXIT RAMP (OPEN)

PLACE PROPOSED PAVEMENT MARKINGS ON E. 14TH ST IN FINAL CONDITION. FOR DETAILS SEE SHEET 1281

MATCHLINE
SEE SHEET 287

MATCHLINE @ INTERIM E. 14TH ST SB STA. 203+50.00 SEE SHEET 287

MATCHLINE @ EX. RAMP E-17 SEE SHEET 286

MATCHLINE @ RAMP IH6 STA. 1274+00.00 SEE SHEET 253

MATCHLINE @ INTERIM E. 14TH ST SB STA. 200+34.00 SEE SHEET 253

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 283

MAINTENANCE OF TRAFFIC - PHASE 8
RAMP H6 - STA. 1274+00.00 TO END

DESIGN AGENCY

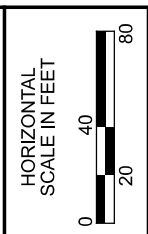
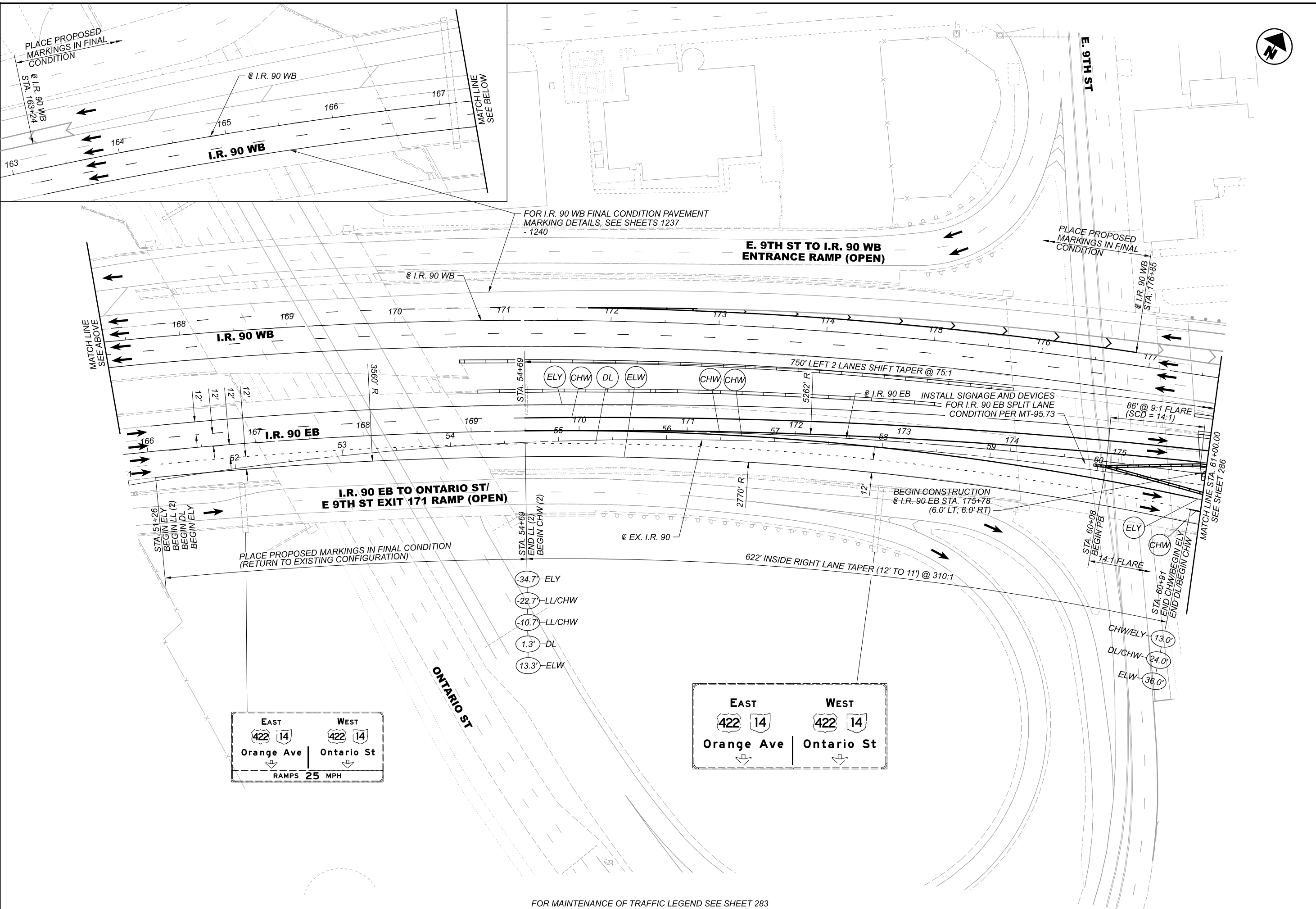
Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

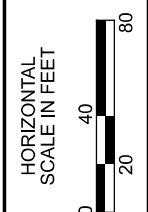
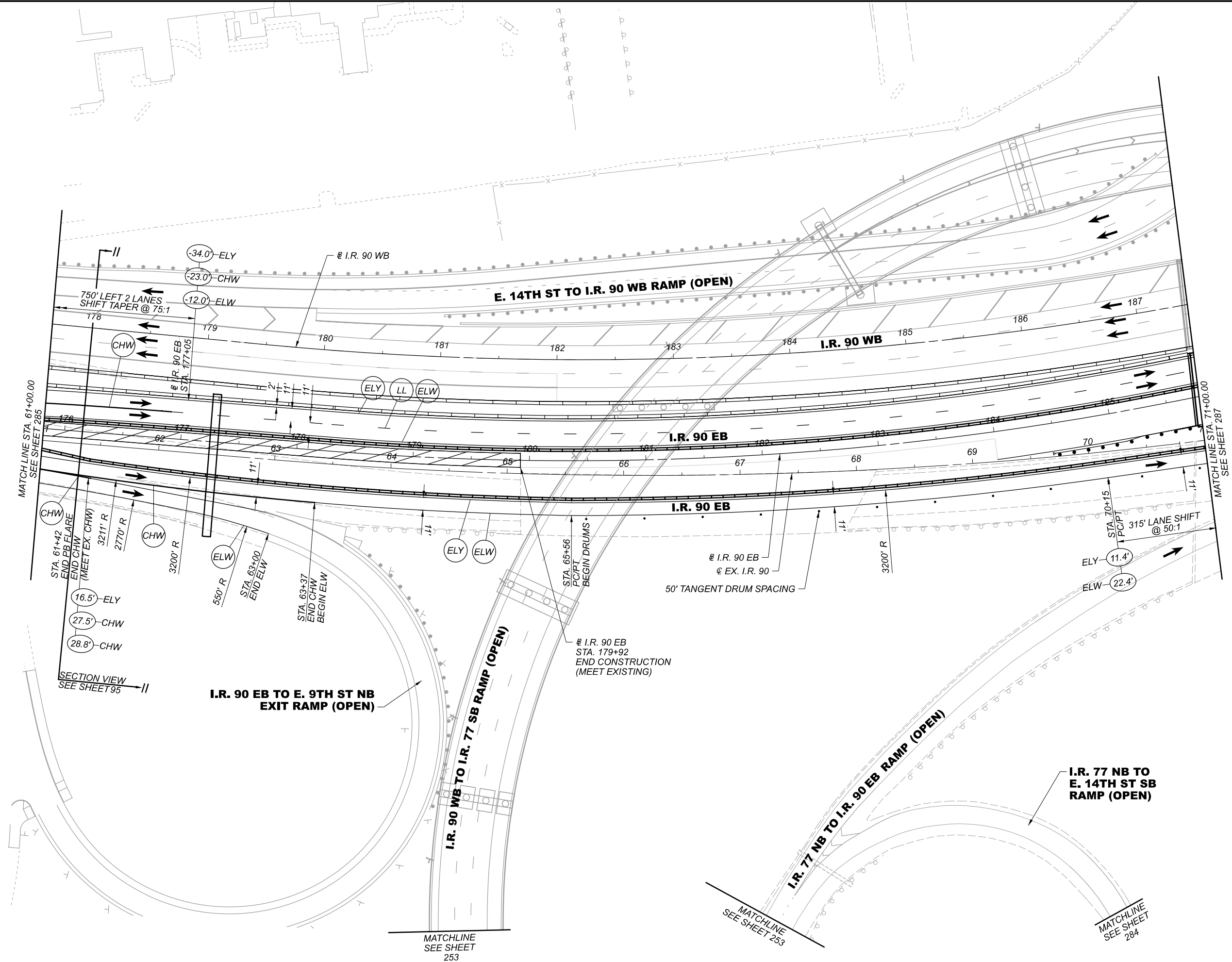
PROJECT ID
82382

SHEET TOTAL
284 2339



MAINTENANCE OF TRAFFIC - PHASE 8
I.R. 90 - BEGIN TO STA. 61+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	285
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 8
I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	TOTAL
286	2339

**E. 14TH ST TO I.R. 90 WB
ENTRANCE RAMP (OPEN)**

E. 14TH ST NB

PLACE E. 14TH ST PROPOSED
PAVEMENT MARKINGS IN FINAL
CONDITION UNLESS NOTED OTHERWISE.
FOR DETAILS SEE SHEETS 1281
- 1282

E. 18TH ST

CENTRAL AVE

E. 19TH ST

E. 21ST ST TO I.R. 77 SB ENTRANCE RAMP (OPEN)

I.R. 90 WB TO I.R. 77 SB RAMP (OPEN)

ON THIS SHEET, PROPOSED ELY, LL, & ELW
PLACED AT CONSTANT NOTED OFFSET FROM
PROPOSED MEDIAN BARRIER.

STA. 71+50
END ELW/BEGIN CHW
END PB
(MEET EX. MEDIAN BARRIER)

315' LANE SHIFT @ 50:1

DECISION SIGHT DISTANCE = 205'
(SCD = 930')

572' MERGE TAPER @ 50:1

MATCHLINE STA. 71+00.00
SEE SHEET 286

MATCHLINE STA. 81+00.00
SEE SHEET 288

STA. 71+34
BEGIN PB @ 14:1 FLARE

STA. 71+43
BEGIN CHW

**I.R. 77 NB TO I.R. 90 EB
RAMP (OPEN)**

@ INTERIM E. 14TH ST SB

E. 14TH ST SB

E. 14TH ST NB

205' LANE TAPER @ 50:1
(16' TO 11')

STA. 990+40

5.5' - EX. ELY

16.5' - DL

27.5' - ELW

@ RAMP H5

STA. 988+50

INSTALL PROPOSED RAMP H5
STORM

INSTALL TEMPORARY CB-1.
OUTLET TO PROPOSED
MH-3 WITH 12" CONDUIT.

CONSTRUCT CB BOXES AND MANHOLES
TO CONSTRUCTION JOINT AND COVER
WITH STEEL PLATE UNDER TEMPORARY
PAVEMENT.

TEMPORARY PAVEMENT FOR PHASE 9 TEMPORARY
RAMP H5 CONNECTION TO I.R. 90 EB. FOR DETAILS,
SEE SHEET 185

INSTALL TEMPORARY CB-1.
OUTLET TO PROPOSED CB-2-2B
WITH 12" CONDUIT.

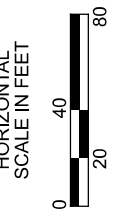
**I.R. 77 EB TO E. 22ND
ST EXIT RAMP (CLOSED)**

SECTION VIEW
SEE SHEET 95

NOTES:

1. OMIT PROPOSED FINAL CONDITION DOTTED LINE BETWEEN
INTERIM E. 14TH ST SB STA. 206+95 TO STA. 208+07 AND PLACE
MOT ELW.

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 283



MAINTENANCE OF TRAFFIC - PHASE 8
I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

DESIGN AGENCY

**Michael Baker
INTERNATIONAL**

DESIGNER

REVIEWER

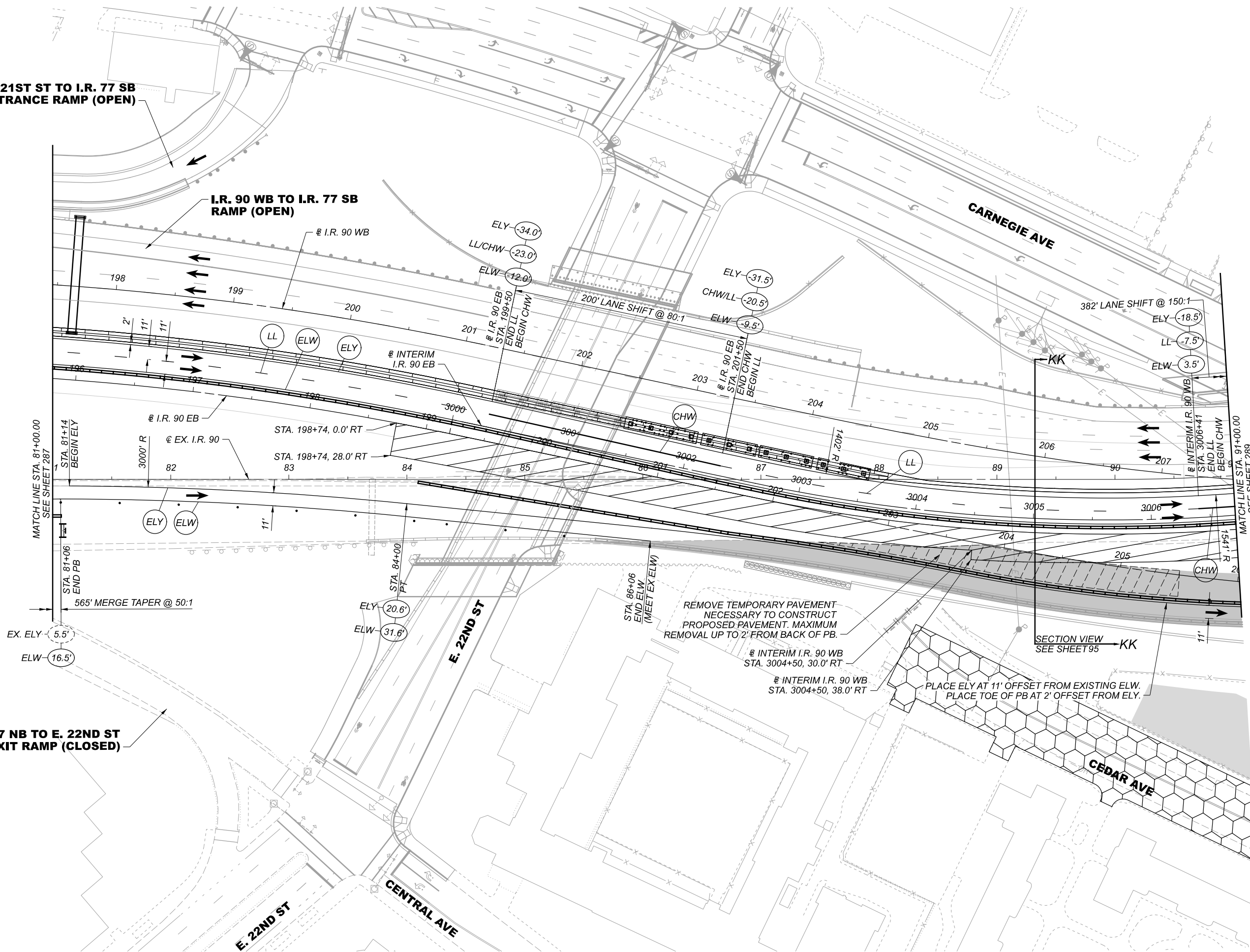
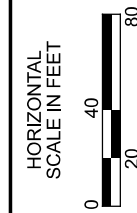
PROJECT ID
82382

SHEET TOTAL
287 2339

E. 21ST ST TO I.R. 77 SB
ENTRANCE RAMP (OPEN)

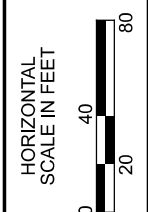
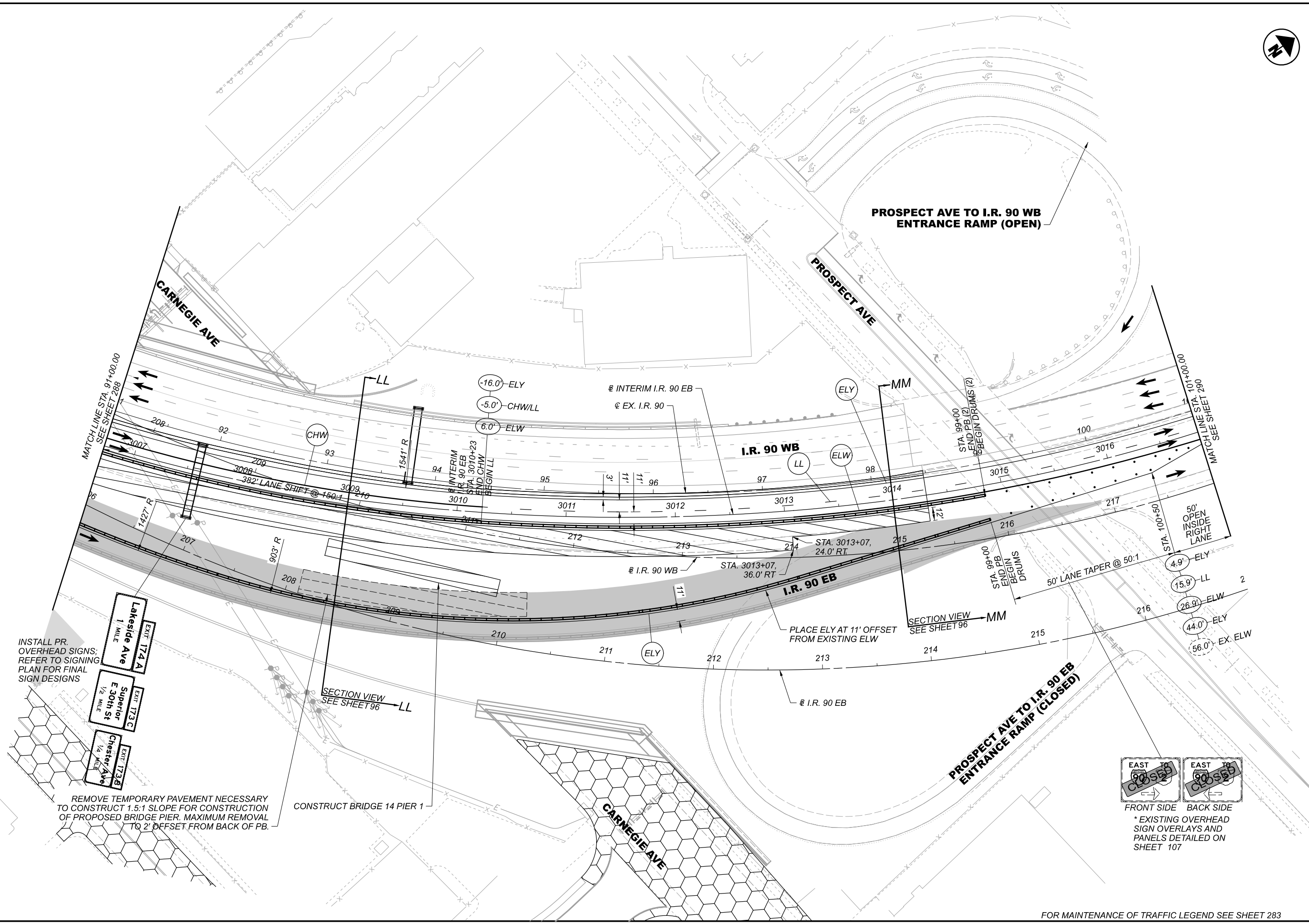
I.R. 90 WB TO I.R. 77 SB
RAMP (OPEN)

I.R. 77 NB TO E. 22ND ST
EXIT RAMP (CLOSED)



MAINTENANCE OF TRAFFIC - PHASE 8
I.R. 90 STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	288
TOTAL	2339



MAINTENANCE OF TRAFFIC - PHASE 8
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00

INSTALL PR. OVERHEAD SIGNS: REFER TO SIGNING PLAN FOR FINAL SIGN DESIGNS

EXIT 174 A
Lakeside Ave
1 MILE

EXIT 173 C
Superior E 30th St
1/2 MILE

EXIT 173 B
Chester Ave
1/4 MILE

REMOVE TEMPORARY PAVEMENT NECESSARY TO CONSTRUCT 1.5:1 SLOPE FOR CONSTRUCTION OF PROPOSED BRIDGE PIER. MAXIMUM REMOVAL TO 2' OFFSET FROM BACK OF PB.

CONSTRUCT BRIDGE 14 PIER 1

PROSPECT AVE TO I.R. 90 WB ENTRANCE RAMP (OPEN)

PROSPECT AVE TO I.R. 90 EB ENTRANCE RAMP (CLOSED)



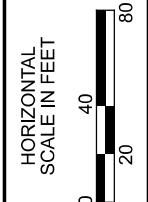
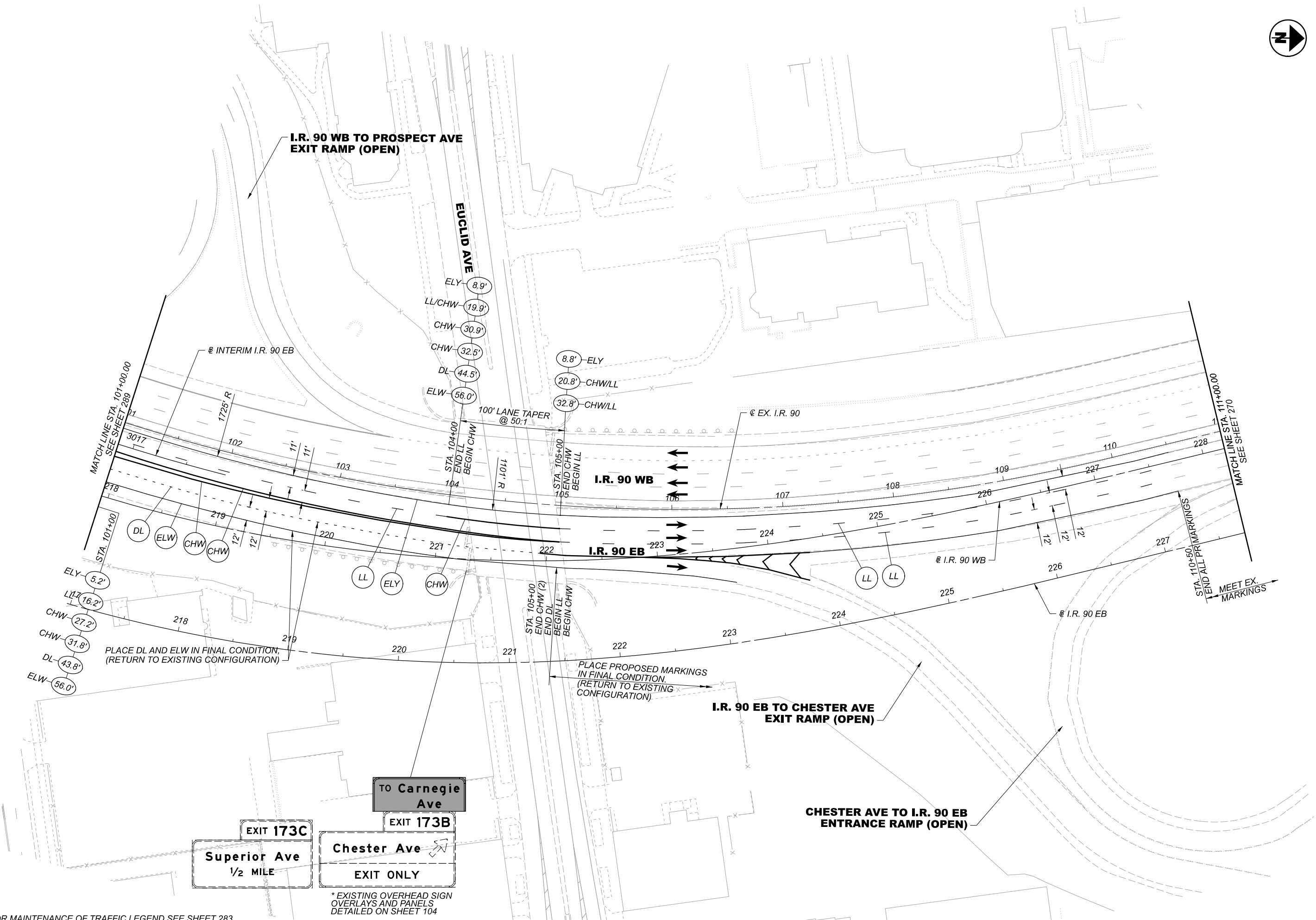
* EXISTING OVERHEAD SIGN OVERLAYS AND PANELS DETAILED ON SHEET 107

SECTION VIEW SEE SHEET 96

SECTION VIEW SEE SHEET 96






PLACE ELY AT 11' OFFSET FROM EXISTING ELW

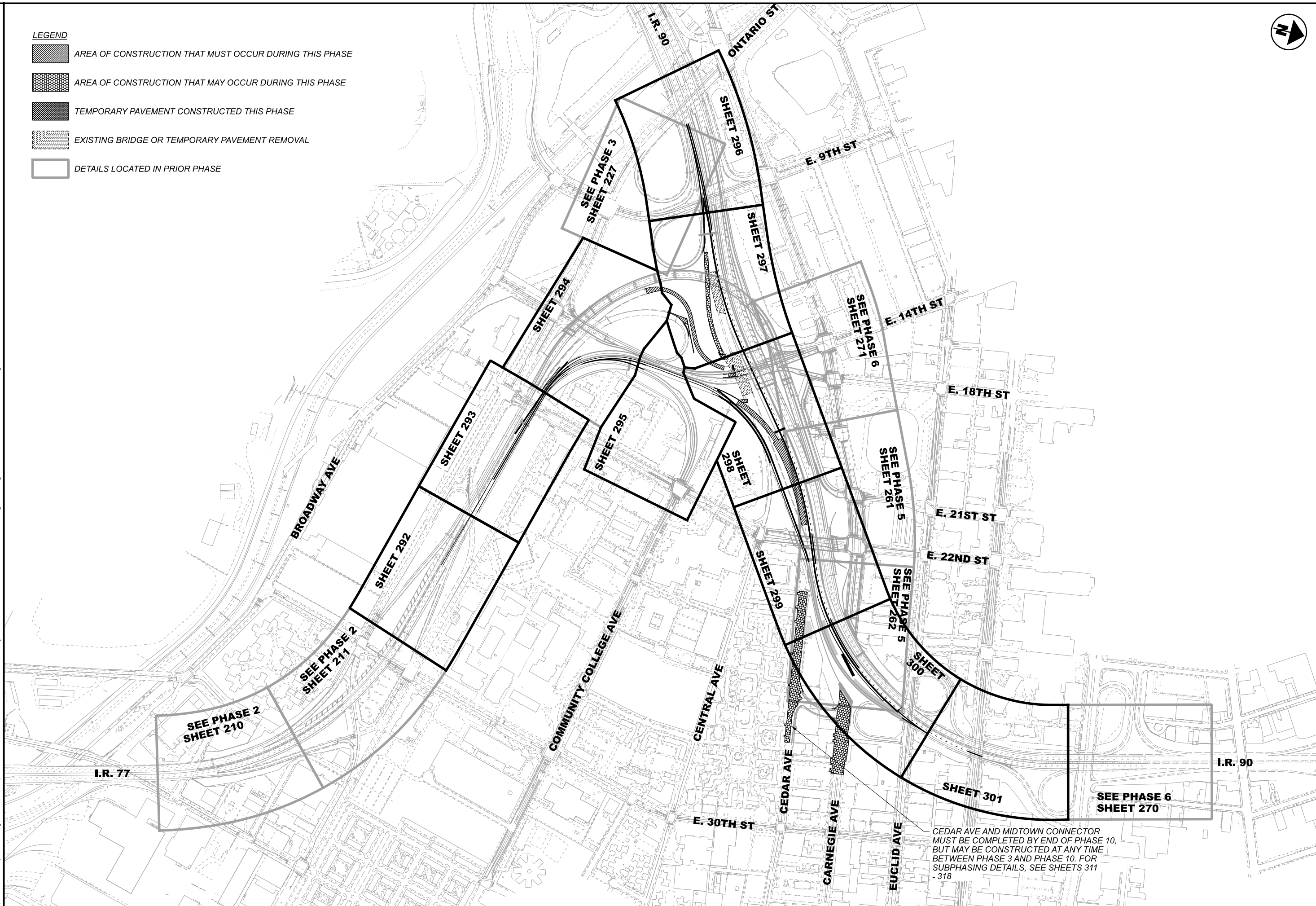
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	289
TOTAL	2339



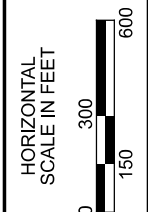
MAINTENANCE OF TRAFFIC - PHASE 8
I.R. 90 - STA. 101+00.00 TO STA. 111+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	TOTAL
290	2339

- LEGEND**
-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
 -  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
 -  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
 -  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
 -  DETAILS LOCATED IN PRIOR PHASE

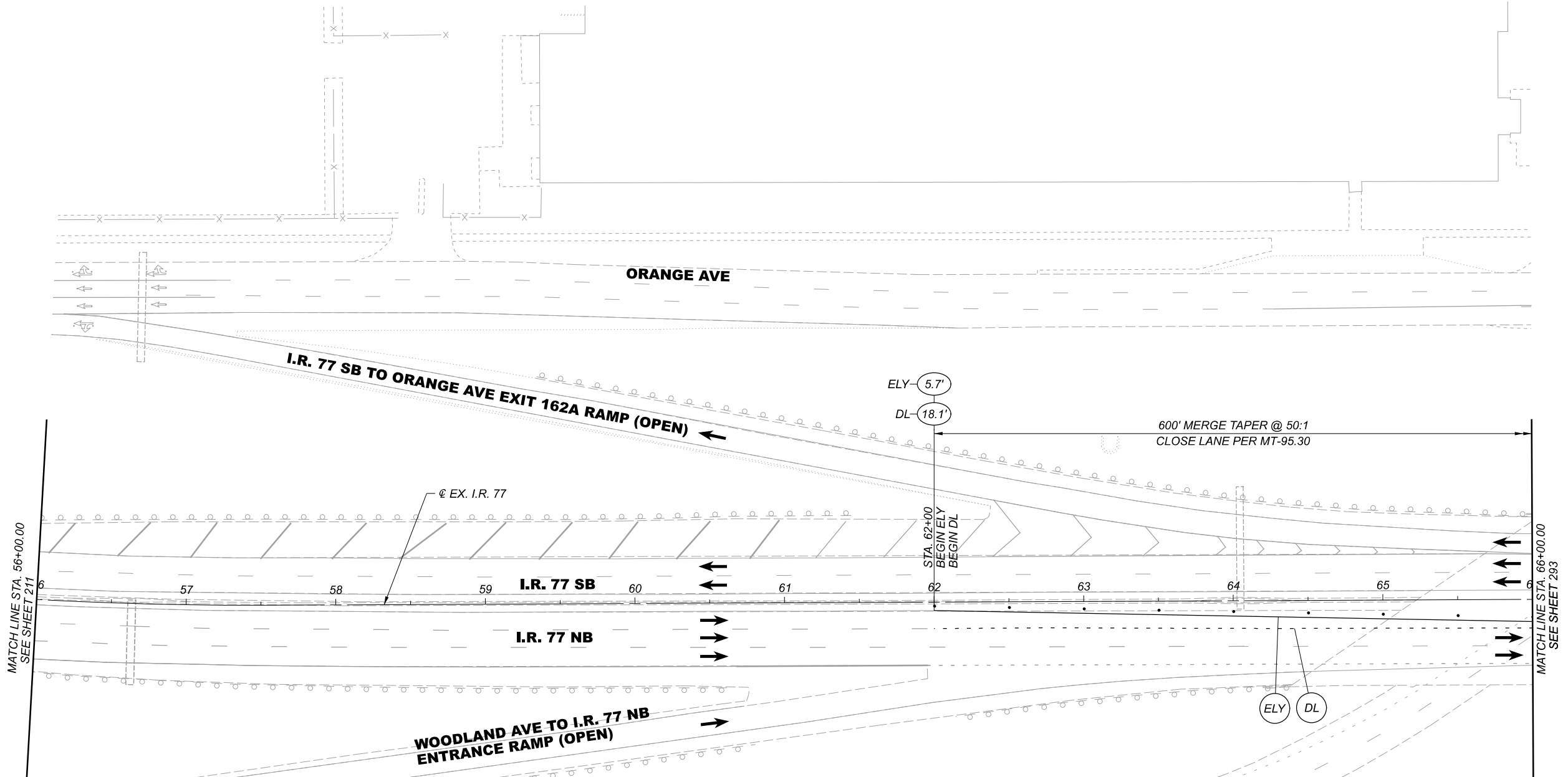


CEDAR AVE AND MIDTOWN CONNECTOR MUST BE COMPLETED BY END OF PHASE 10, BUT MAY BE CONSTRUCTED AT ANY TIME BETWEEN PHASE 3 AND PHASE 10. FOR SUBPHASING DETAILS, SEE SHEETS 311 - 318



MAINTENANCE OF TRAFFIC - PHASE 9
SHEET PLAN KEY

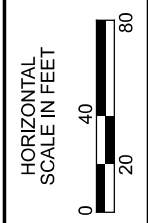
DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
—	
REVIEWER	
—	
PROJECT ID	
82382	
SHEET	TOTAL
291	2339



MAINTENANCE OF TRAFFIC LEGEND

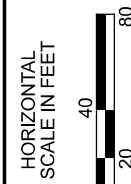
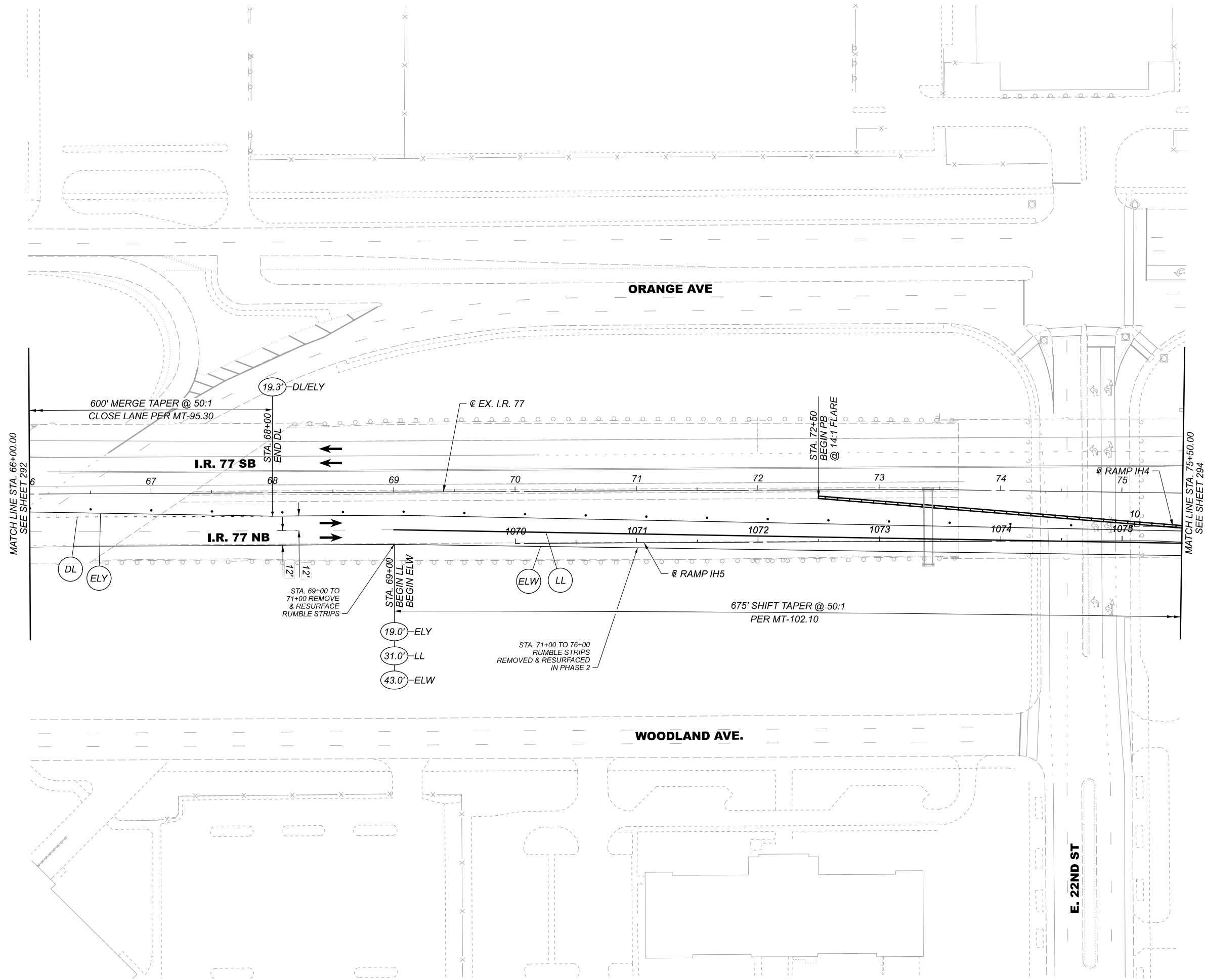
- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
- AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
- (17.5') - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- (-17.5') - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- (ELW) - WORK ZONE EDGE LINE (WHITE), CLASS I
- (ELY) - WORK ZONE EDGE LINE (YELLOW), CLASS I
- (TLW) - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
- (CHW) - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
- (DL) - WORK ZONE DOTTED LINE, CLASS I
- (LL) - WORK ZONE LANE LINE, CLASS I
- (CL) - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
- (XW) - WORK ZONE CROSS WALK LINE, CLASS I
- (SL) - WORK ZONE STOP LINE, CLASS I
- (LA) - WORK ZONE LANE ARROW, CLASS I
- ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN^
- IMPACT ATTENUATOR

* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.
 ^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC



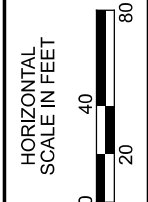
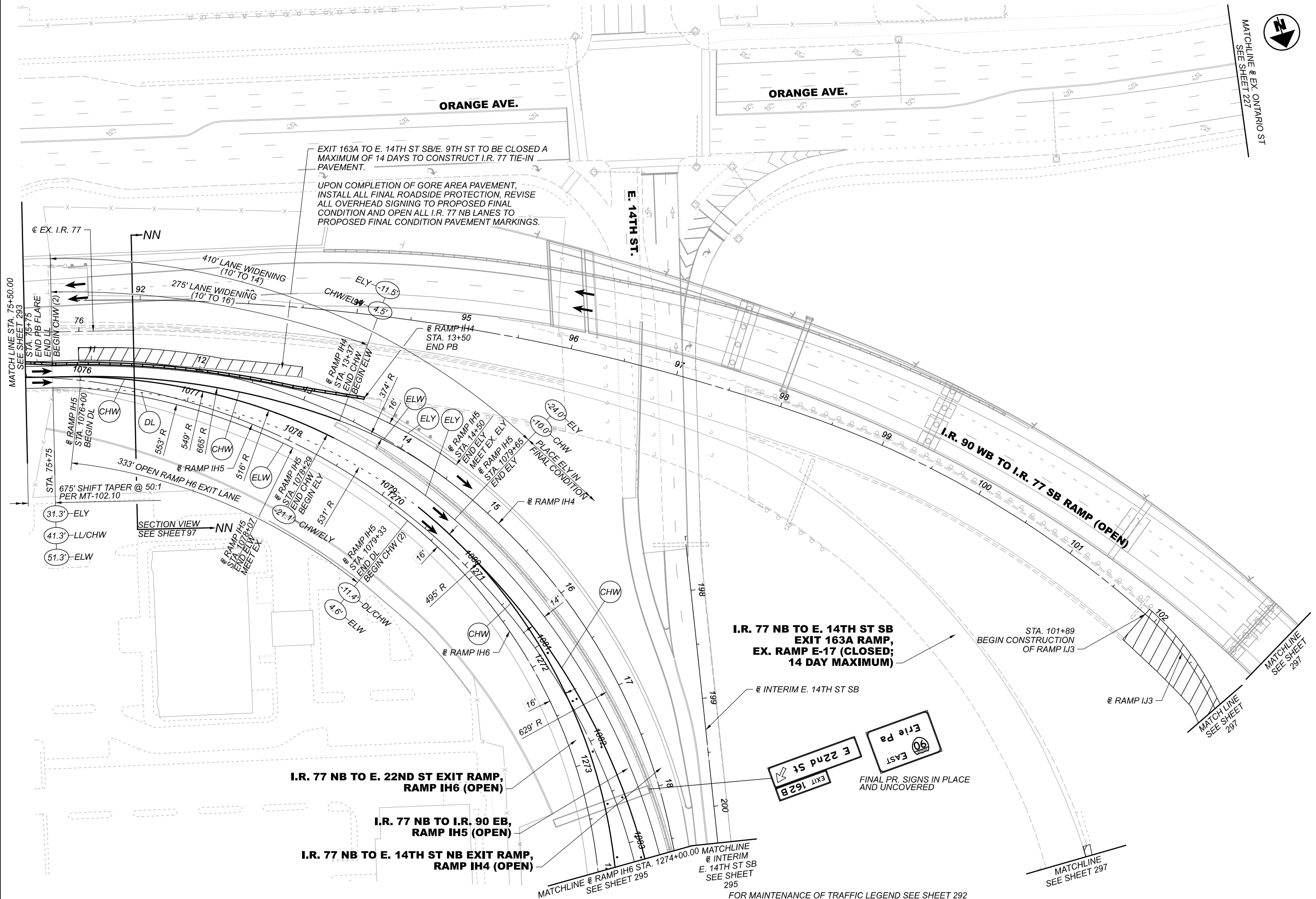
MAINTENANCE OF TRAFFIC - PHASE 9
 I.R. 77 - STA. 56+00.00 TO STA. 66+00.00

DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	292
TOTAL	2339



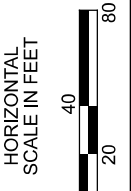
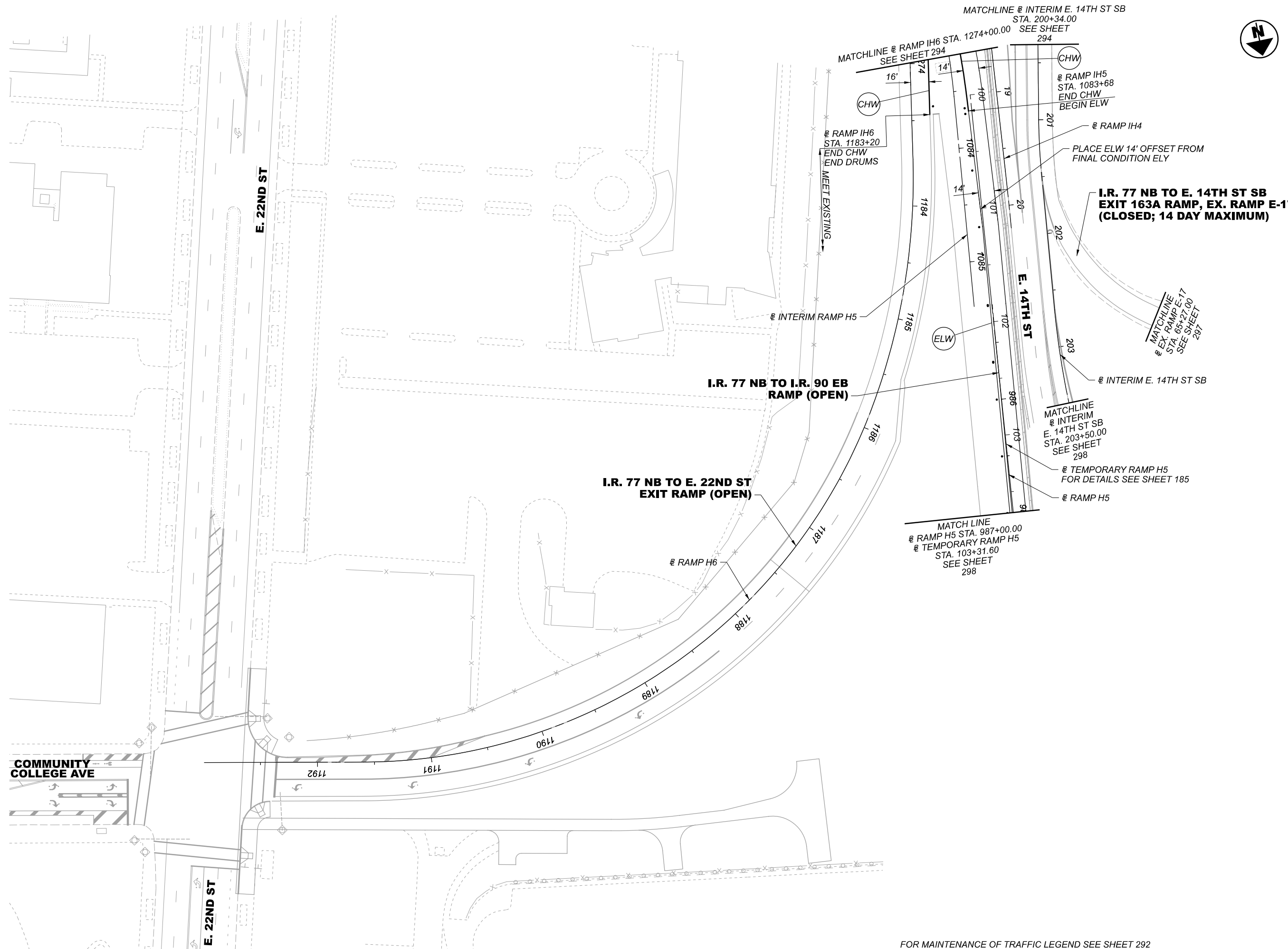
MAINTENANCE OF TRAFFIC - PHASE 9
I.R. 77 - STA. 66+00.00 TO STA. 75+50.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	TOTAL
293	2339



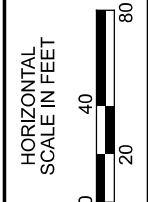
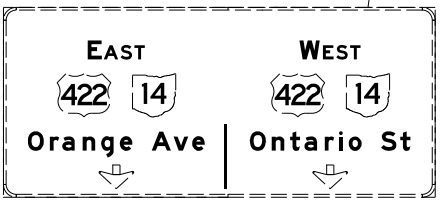
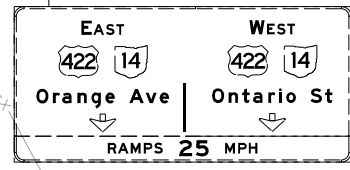
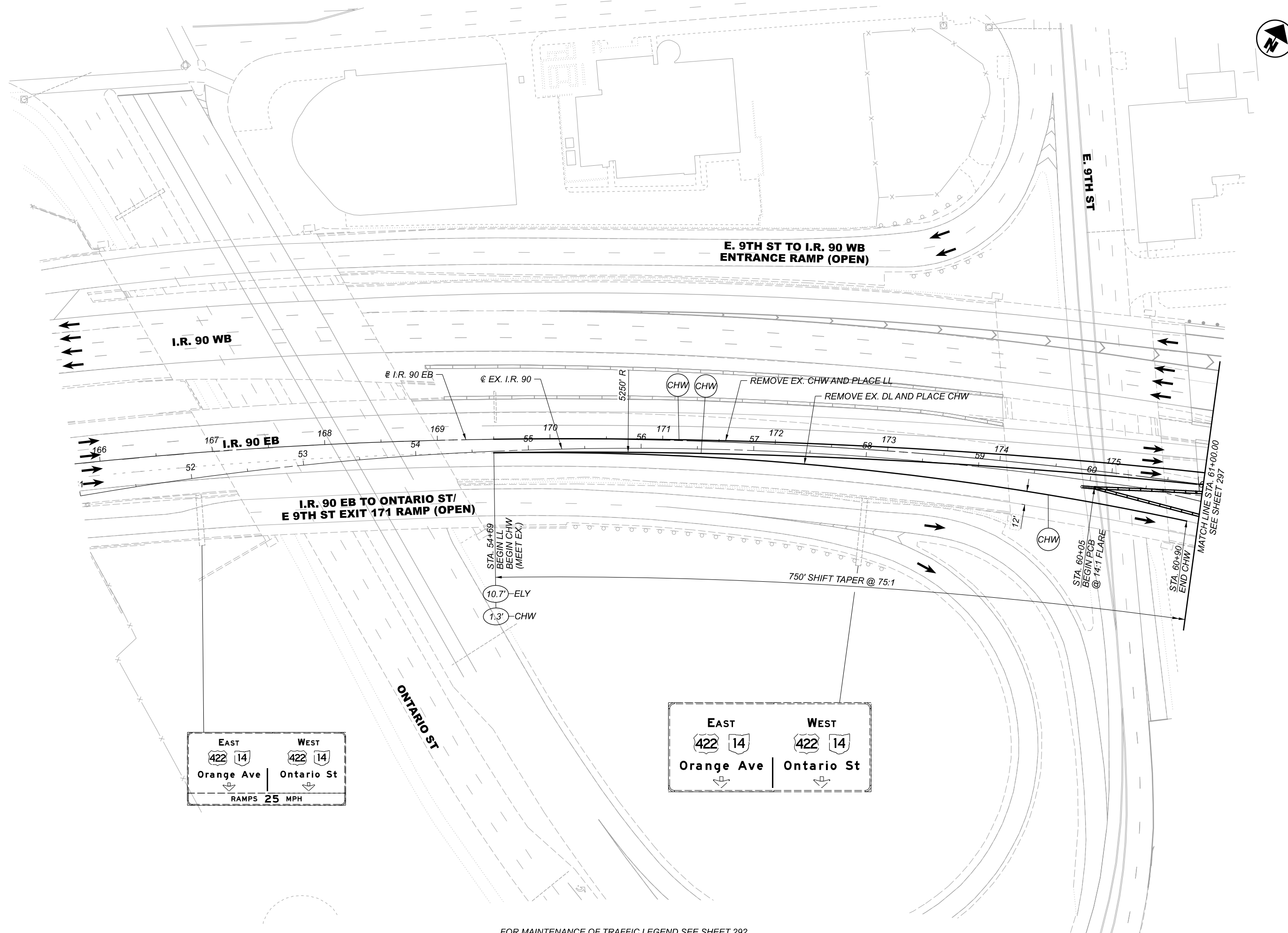
MAINTENANCE OF TRAFFIC - PHASE 9
I.R. 77 - STA. 75+50.00 TO END / RAMP IH6 - BEGIN TO STA. 1274+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	294
TOTAL	2339



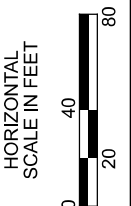
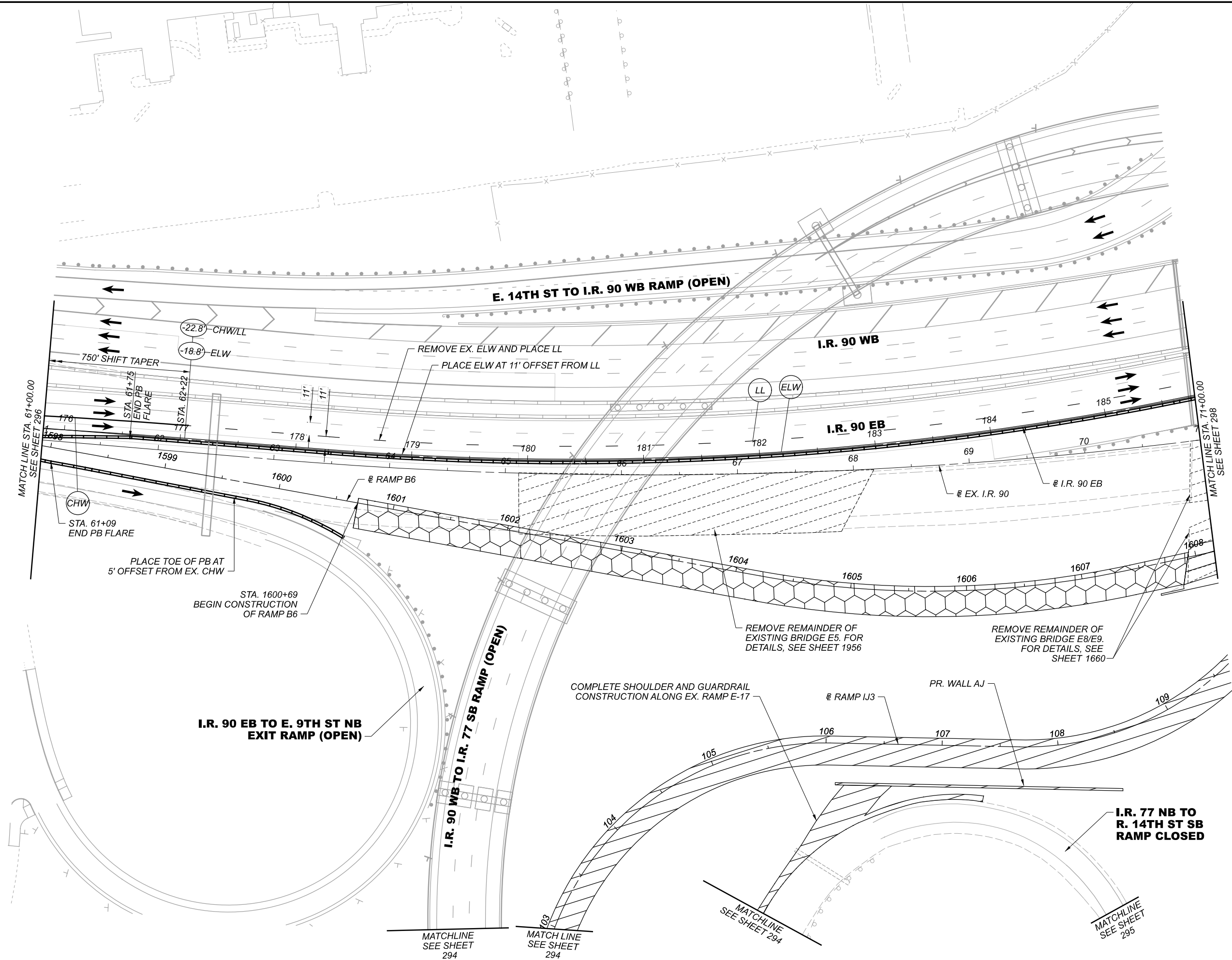
MAINTENANCE OF TRAFFIC - PHASE 9
RAMP H6 - STA. 1274+00.00 TO END

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET TOTAL	295 2339



MAINTENANCE OF TRAFFIC - PHASE 9
 I.R. 90 - BEGIN TO STA. 61+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	TOTAL
296	2339



MAINTENANCE OF TRAFFIC - PHASE 9
I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

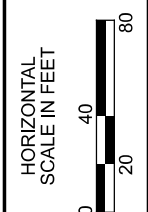
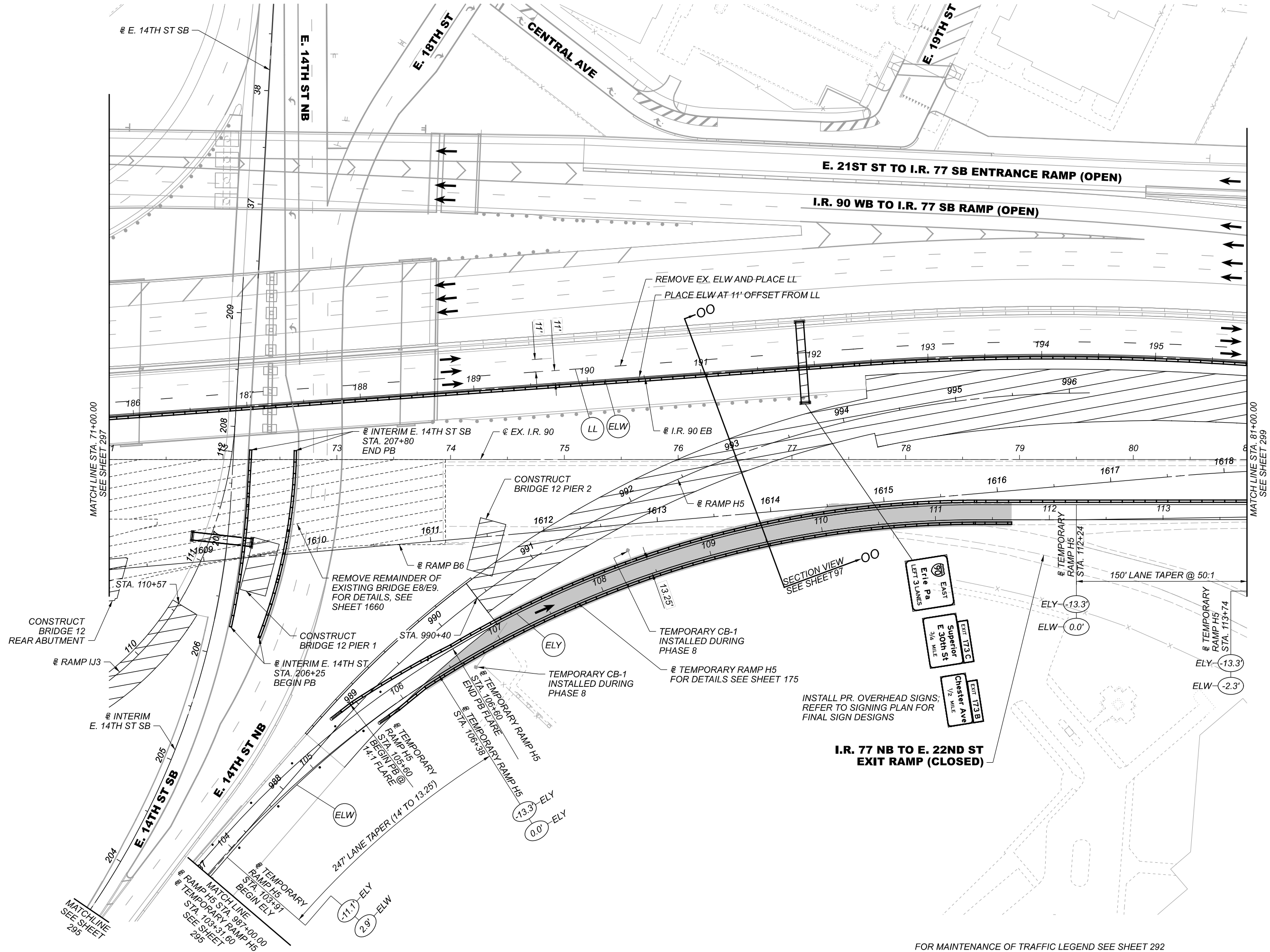
DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
297	2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 292



MAINTENANCE OF TRAFFIC - PHASE 9
I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

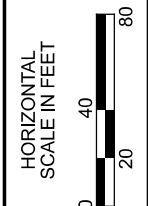
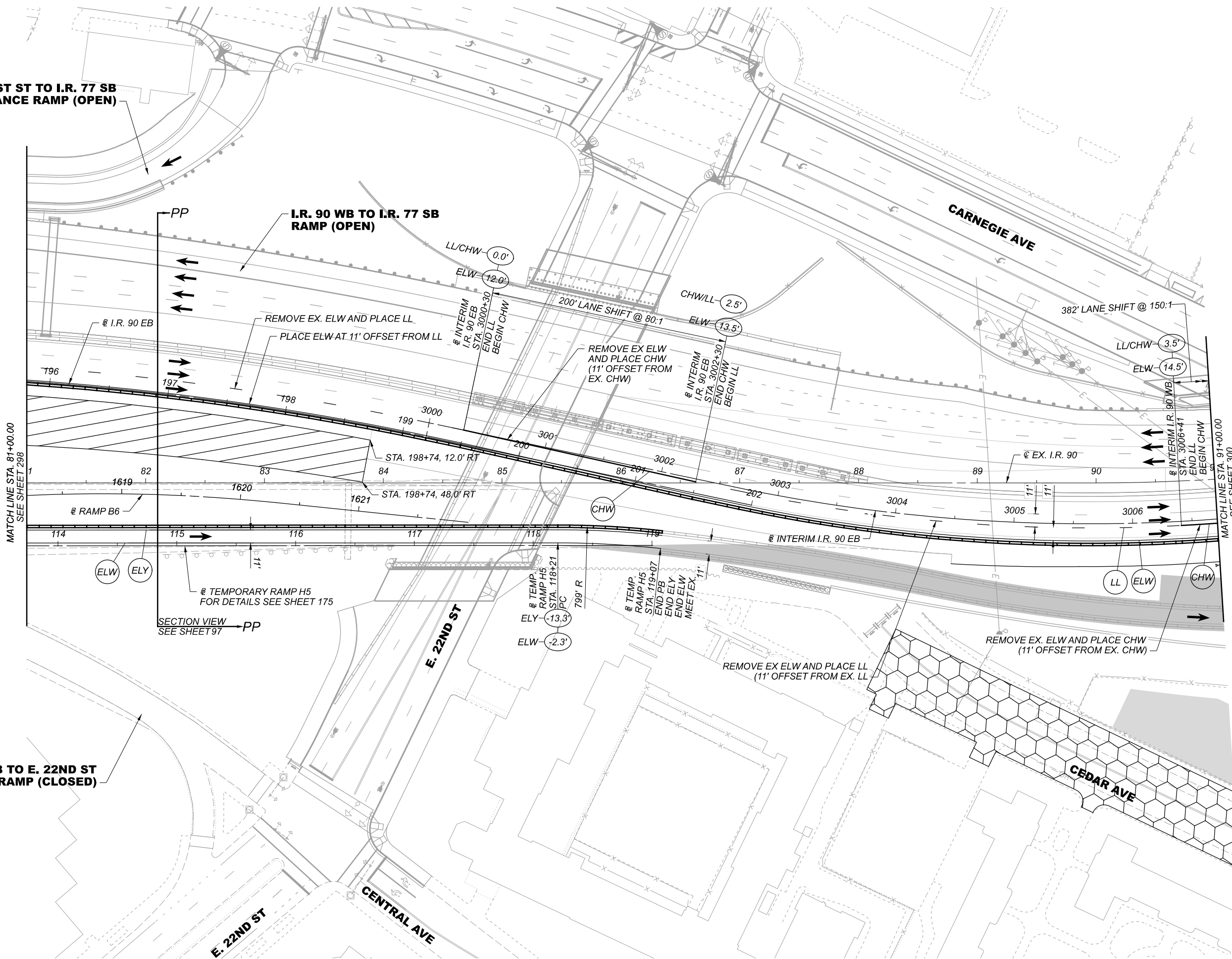
DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET TOTAL	298 2339

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 292

I.R. 77 NB TO E. 22ND ST
EXIT RAMP (CLOSED)

E. 21ST ST TO I.R. 77 SB
ENTRANCE RAMP (OPEN)

I.R. 90 WB TO I.R. 77 SB
RAMP (OPEN)



MAINTENANCE OF TRAFFIC - PHASE 9
I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY

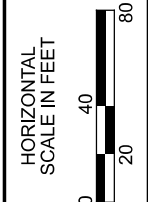
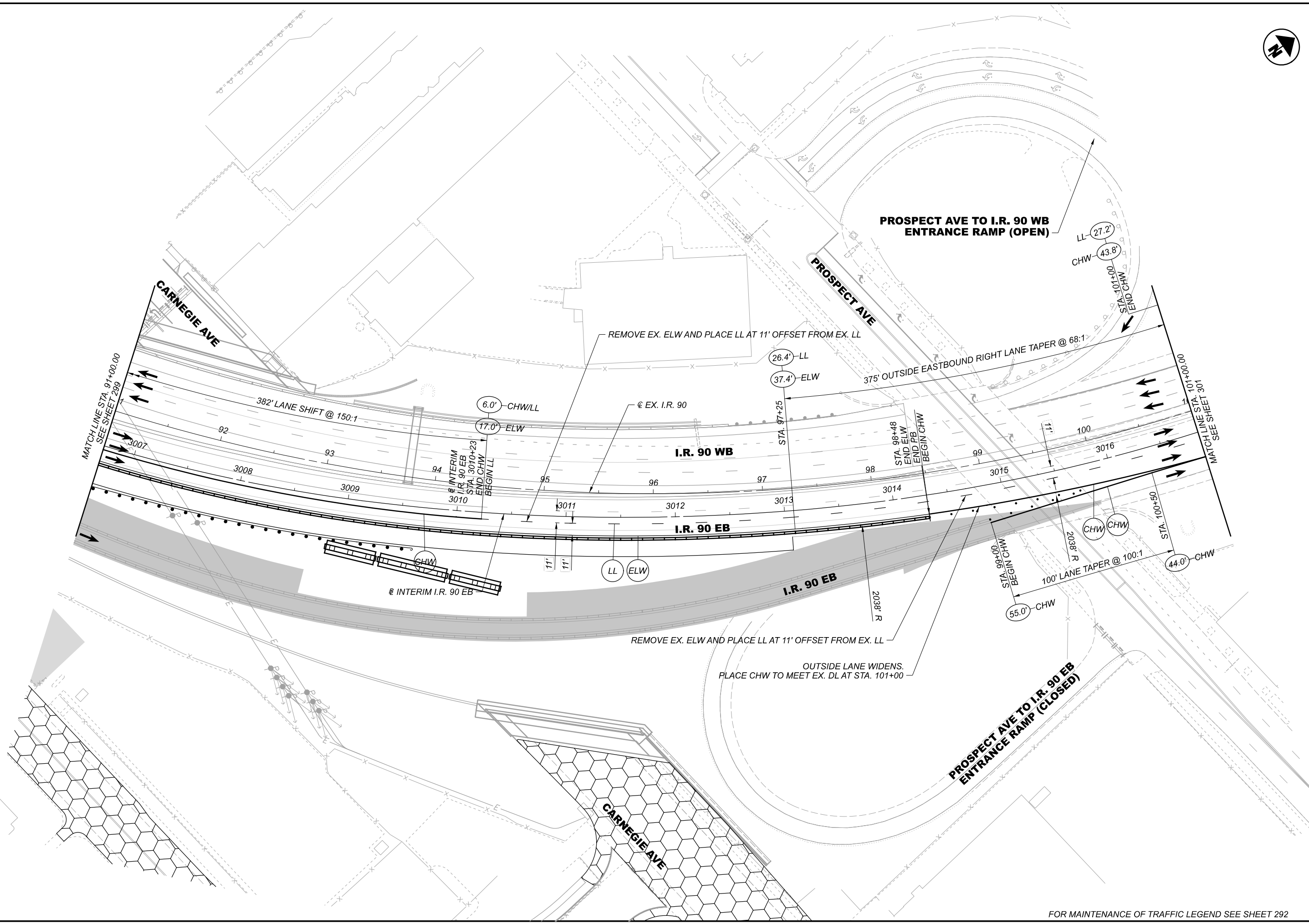
Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

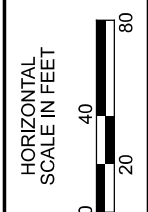
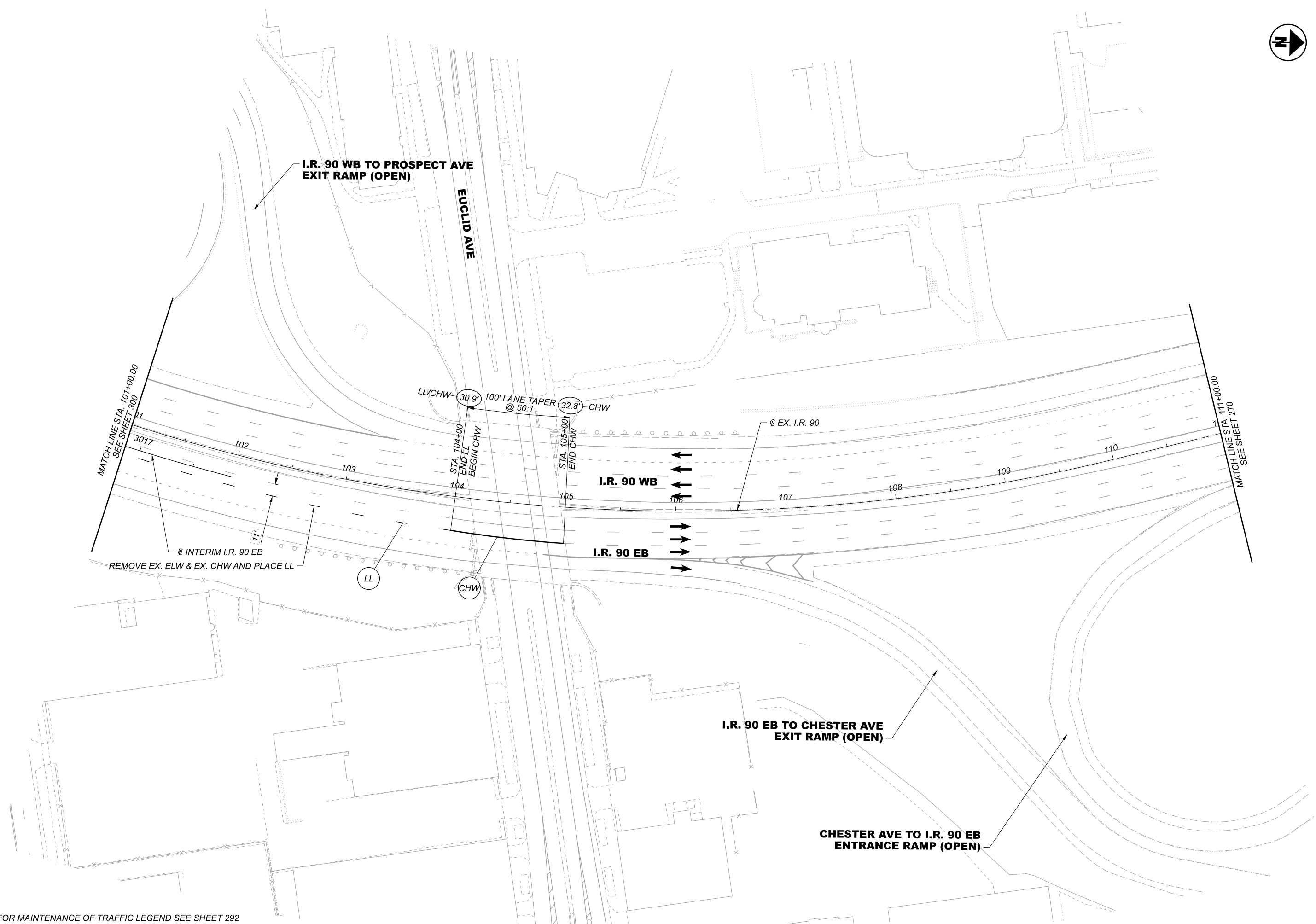
PROJECT ID
82382

SHEET	TOTAL
299	2339



MAINTENANCE OF TRAFFIC - PHASE 9
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00






DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET TOTAL	300 2339

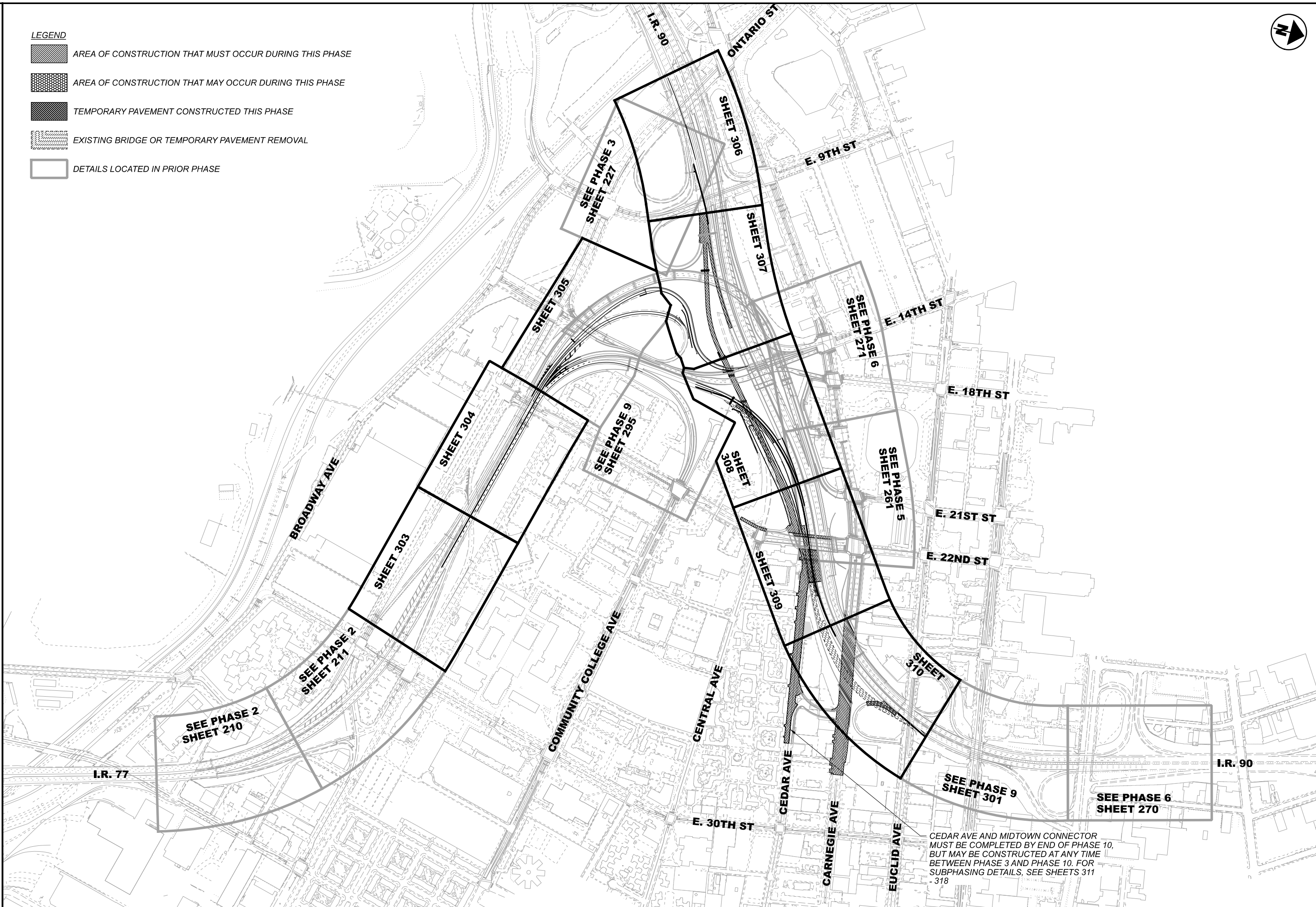


MAINTENANCE OF TRAFFIC - PHASE 9
I.R. 90 - STA. 101+00.00 TO STA. 111+00.00

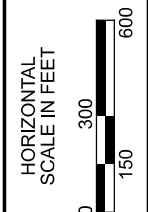
DESIGN AGENCY	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	301
TOTAL	2339

LEGEND

-  AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
-  AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
-  TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
-  EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
-  DETAILS LOCATED IN PRIOR PHASE

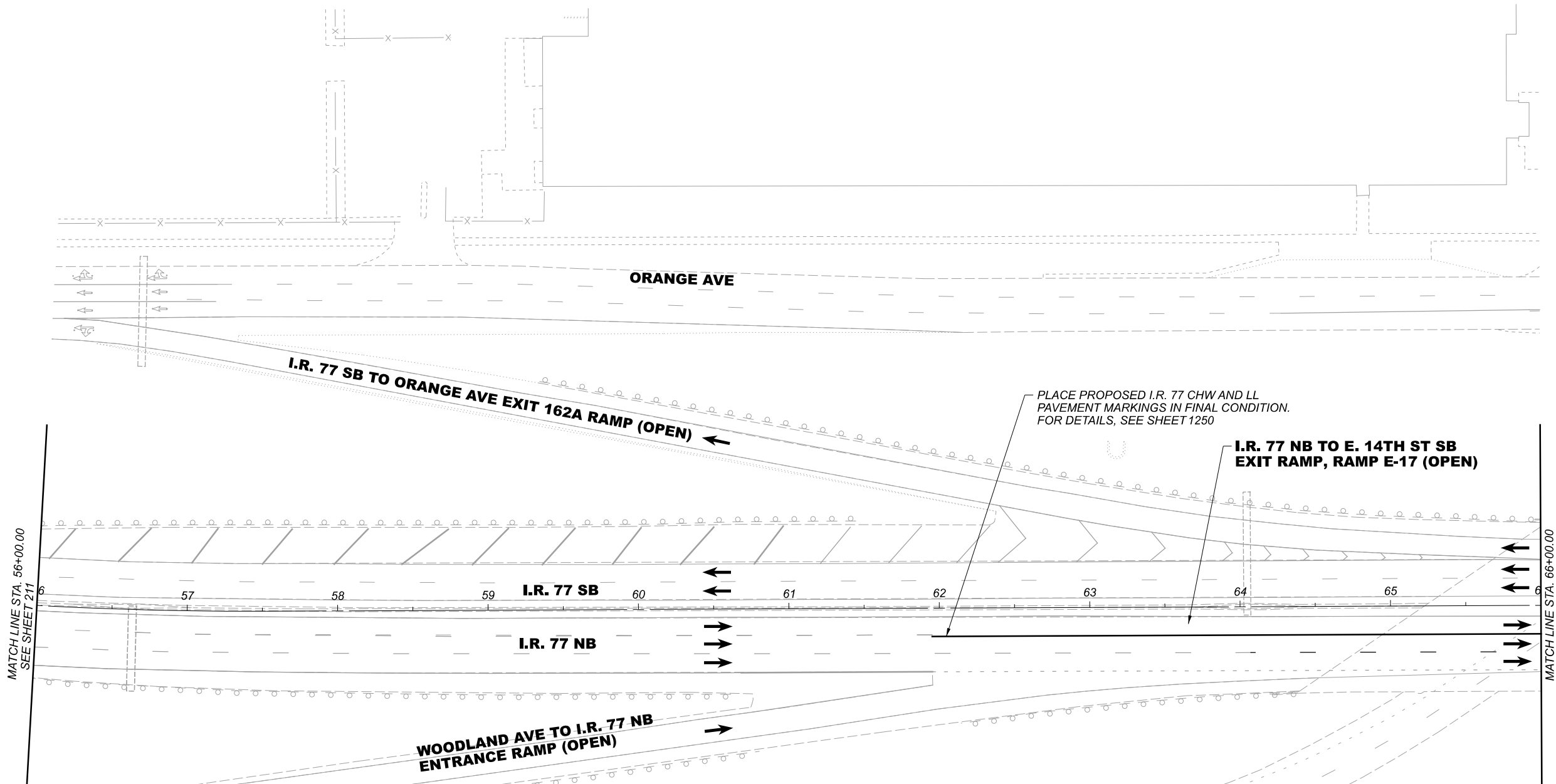


CEDAR AVE AND MIDTOWN CONNECTOR
 MUST BE COMPLETED BY END OF PHASE 10,
 BUT MAY BE CONSTRUCTED AT ANY TIME
 BETWEEN PHASE 3 AND PHASE 10. FOR
 SUBPHASING DETAILS, SEE SHEETS 311
 - 318



MAINTENANCE OF TRAFFIC - PHASE 10
 SHEET PLAN KEY

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	—
REVIEWER	—
PROJECT ID	82382
SHEET	TOTAL
302	2339



MAINTENANCE OF TRAFFIC LEGEND

- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
- AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL
- DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS
- (17.5') - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- (-17.5') - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED
- (ELW) - WORK ZONE EDGE LINE (WHITE), CLASS I
- (ELY) - WORK ZONE EDGE LINE (YELLOW), CLASS I
- (TLW) - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I
- (CHW) - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I
- (DL) - WORK ZONE DOTTED LINE, CLASS I
- (LL) - WORK ZONE LANE LINE, CLASS I
- (CL) - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I
- (XW) - WORK ZONE CROSS WALK LINE, CLASS I
- (SL) - WORK ZONE STOP LINE, CLASS I
- (LA) - WORK ZONE LANE ARROW, CLASS I
- ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN^
- IMPACT ATTENUATOR

* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.

^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC

PLACE PROPOSED I.R. 77 CHW AND LL PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS, SEE SHEET 1250

MAINTENANCE OF TRAFFIC - PHASE 10
 I.R. 77 - STA. 56+00.00 TO STA. 66+00.00

DESIGN AGENCY

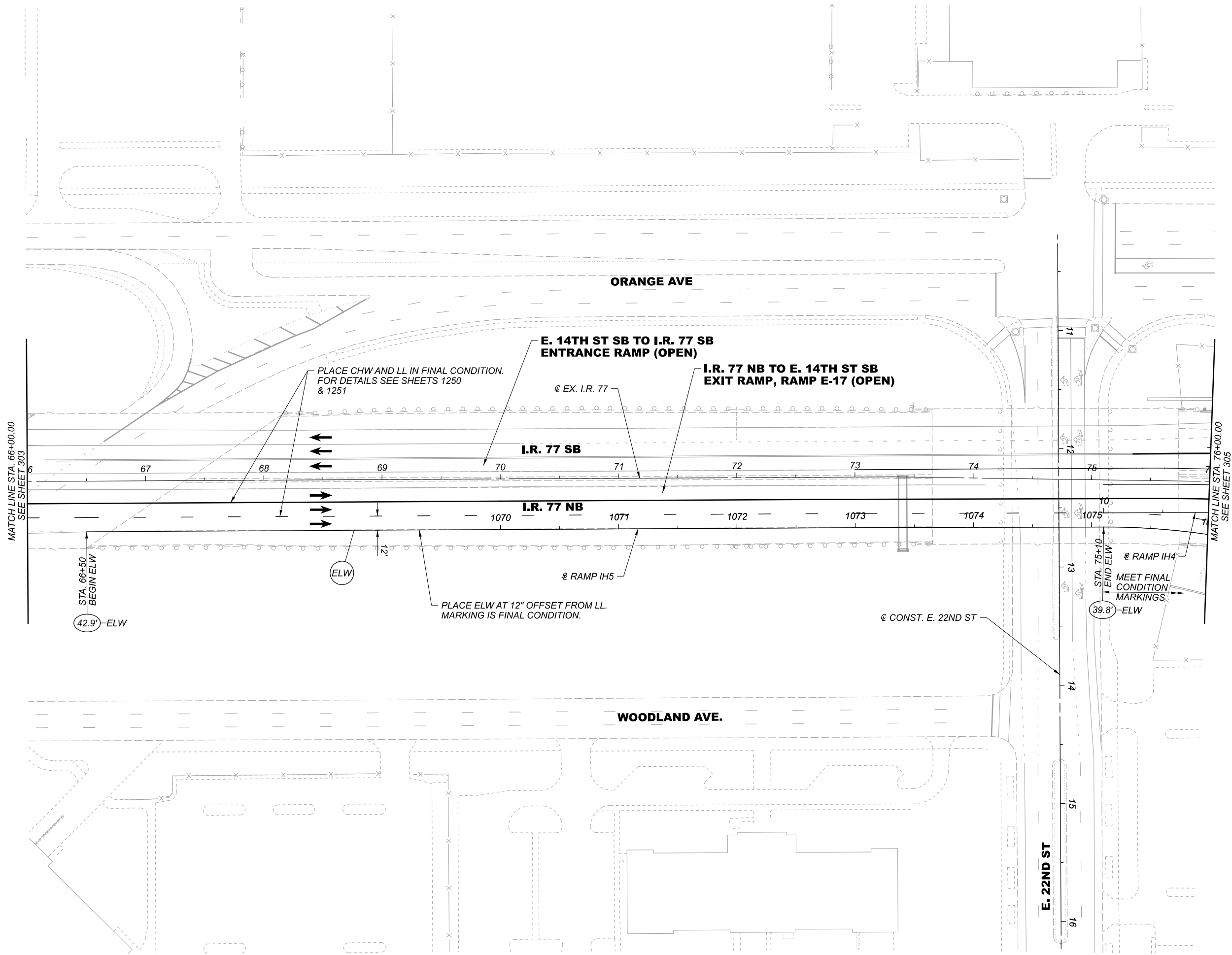
Michael Baker INTERNATIONAL

DESIGNER

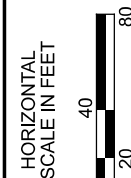
REVIEWER

PROJECT ID
82382

SHEET TOTAL
303 2339



FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 303



MAINTENANCE OF TRAFFIC - PHASE 10
I.R. 77 - STA. 66+00.00 TO STA. 76+00.00

DESIGN AGENCY

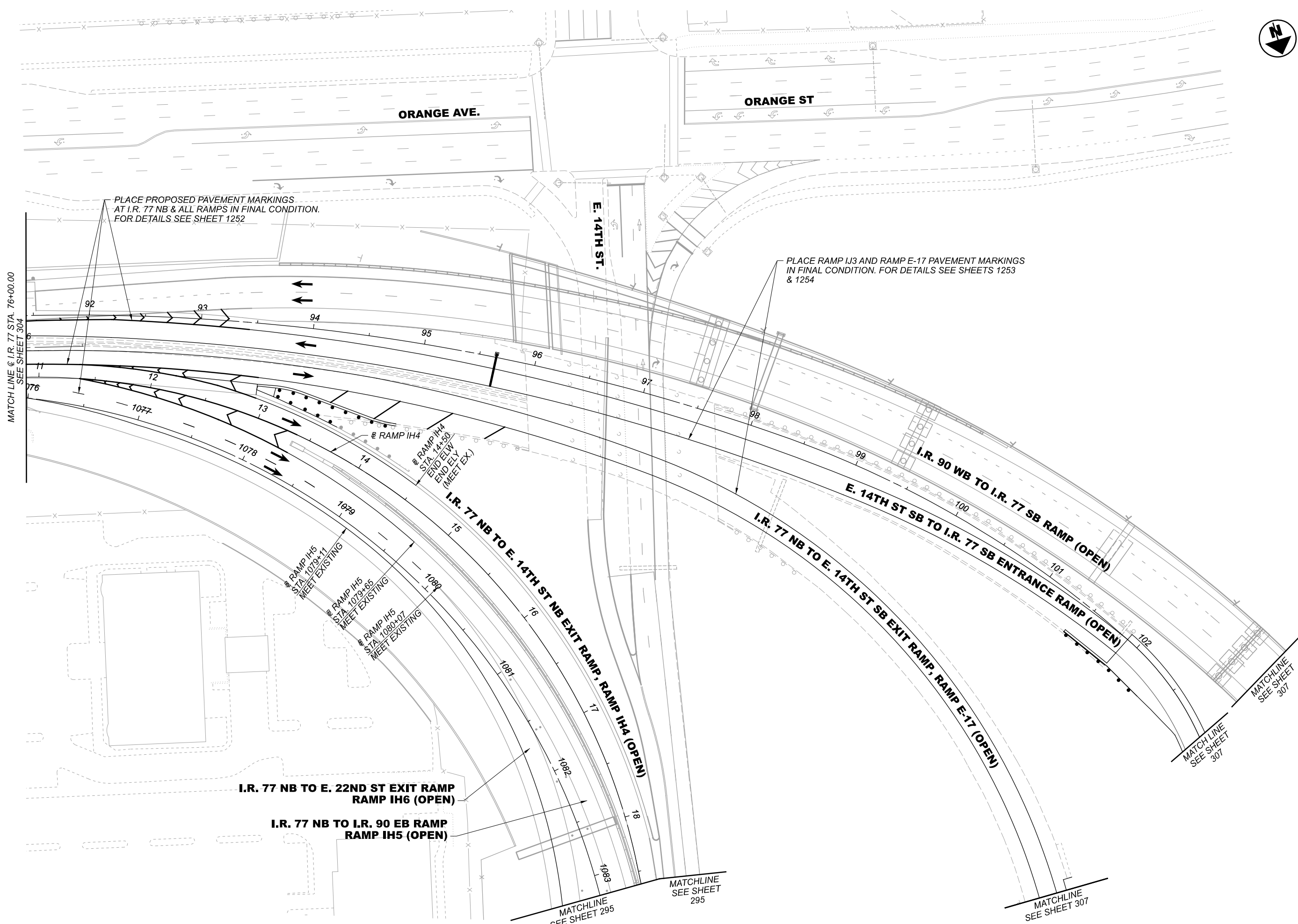
Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

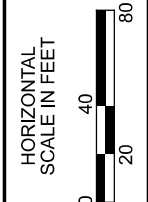
PROJECT ID
82382

SHEET	TOTAL
304	2339



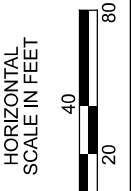
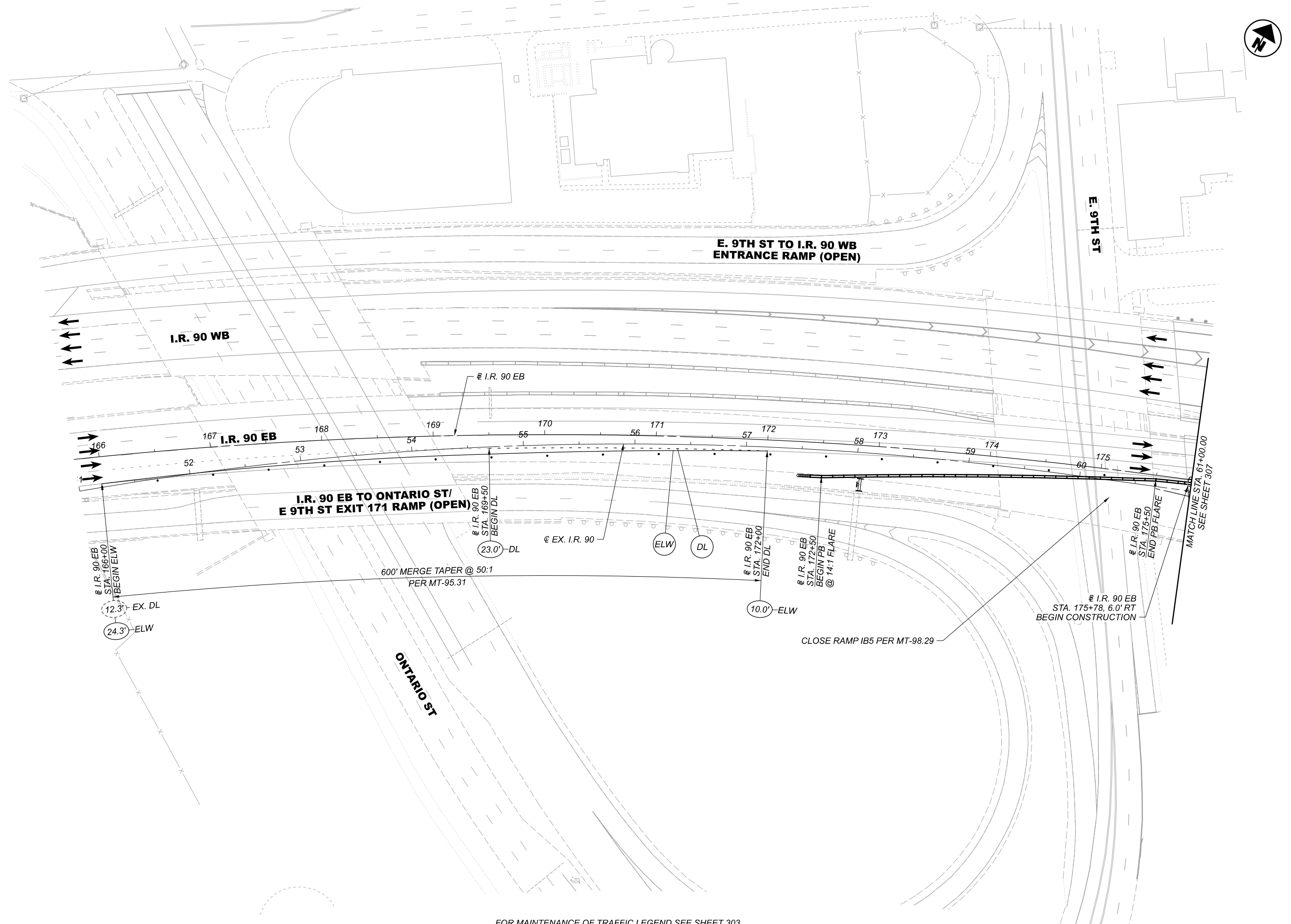
PLACE PROPOSED PAVEMENT MARKINGS AT I.R. 77 NB & ALL RAMPS IN FINAL CONDITION. FOR DETAILS SEE SHEET 1252

PLACE RAMP IJ3 AND RAMP E-17 PAVEMENT MARKINGS IN FINAL CONDITION. FOR DETAILS SEE SHEETS 1253 & 1254



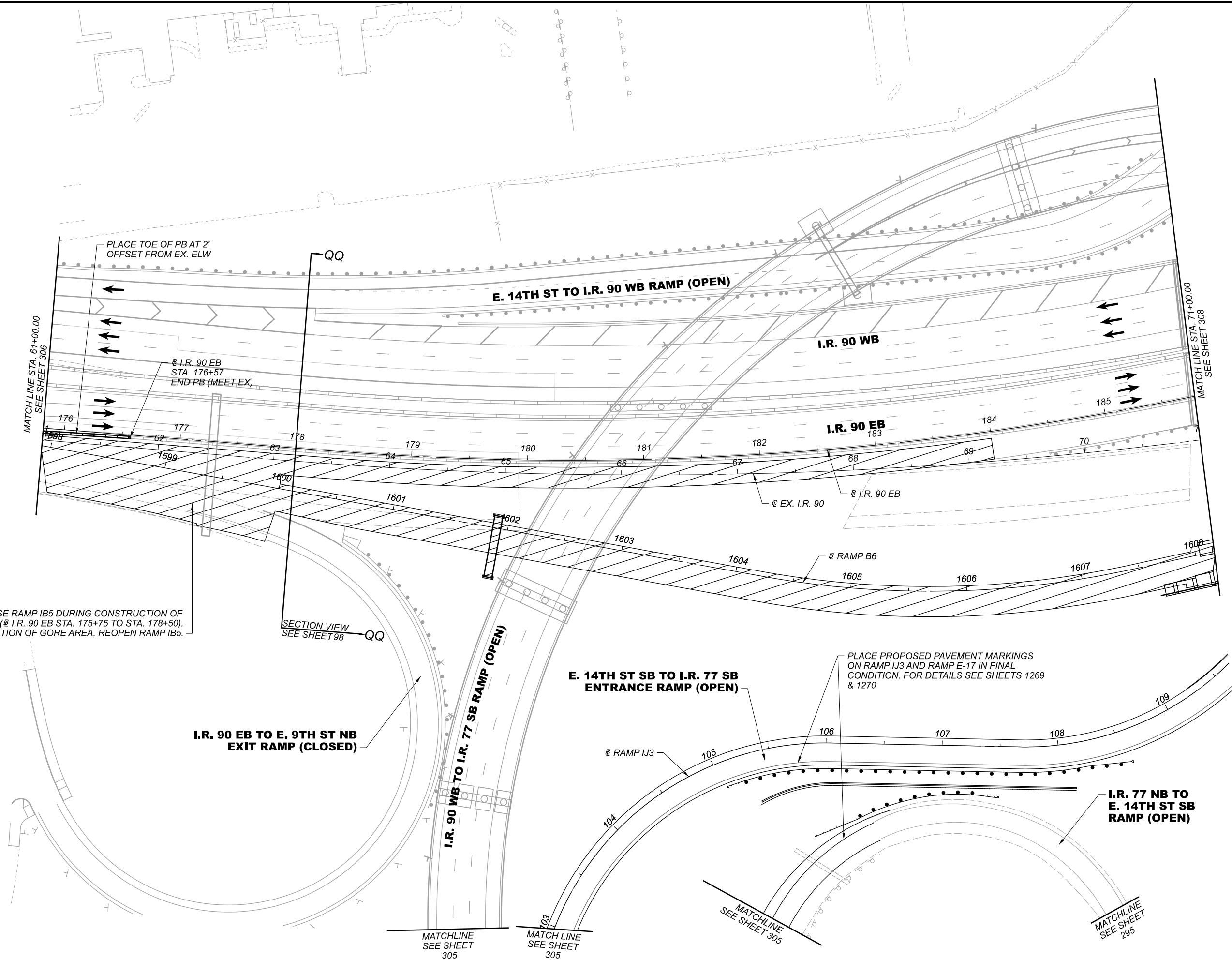
MAINTENANCE OF TRAFFIC - PHASE 10
I.R. 77 - STA. 76+00.00 TO END

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET	TOTAL
305	2339



MAINTENANCE OF TRAFFIC - PHASE 10
I.R. 90 - BEGIN TO STA. 61+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET TOTAL	306 2339



CLOSE RAMP IB5 DURING CONSTRUCTION OF GORE AREA (@ I.R. 90 EB STA. 175+75 TO STA. 178+50). UPON COMPLETION OF GORE AREA, REOPEN RAMP IB5.

SECTION VIEW
SEE SHEET 98

PLACE PROPOSED PAVEMENT MARKINGS ON RAMP IJ3 AND RAMP E-17 IN FINAL CONDITION. FOR DETAILS SEE SHEETS 1269 & 1270



MAINTENANCE OF TRAFFIC - PHASE 10
I.R. 90 - STA. 61+00.00 TO STA. 71+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
307 2339

E. 14TH ST TO I.R. 90 WB
ENTRANCE RAMP (OPEN)

E. 14TH ST NB

E. 18TH ST

CENTRAL AVE

E. 19TH ST

E. 21ST ST TO I.R. 77 SB ENTRANCE RAMP (OPEN)

I.R. 90 WB TO I.R. 77 SB RAMP (OPEN)

I.R. 90 WB REMOVE EX. ELW AND PLACE CHW

I.R. 90 EB

MATCHLINE STA. 71+00.00
SEE SHEET 307

MATCHLINE STA. 81+00.00
SEE SHEET 309

PLACE PROPOSED PAVEMENT MARKINGS ON
E. 14TH ST SB AND RAMP IJ3 IN FINAL CONDITION.
FOR DETAILS SEE SHEET 1281

REMOVE TEMPORARY PAVEMENT
FROM TEMPORARY RAMP H5

I.R. 77 NB TO E. 22ND ST
EXIT RAMP (PERMANENTLY CLOSED)

SECTION VIEW
SEE SHEET 98

PLACE ELY IN FINAL CONDITION.
FOR DETAILS SEE SHEET 1265

PLACE ELW AT 14' OFFSET FROM ELY

@ RAMP IJ3

E. 14TH ST NB

E. 14TH ST SB

ELW

@ RAMP H5
STA. 989+50
END PB FLARE

@ RAMP B6

@ I.R. 90 EB

@ EX. I.R. 90

@ RAMP H5

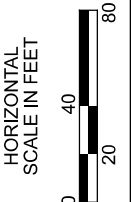
@ RAMP B6

@ RAMP H5
STA. 987+50
BEGIN PB @ 14:7
@ RAMP H5
STA. 987+23
BEGIN ELY
BEGIN ELW

ELW 12' 0"

ELW 20' 0"

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 303



MAINTENANCE OF TRAFFIC - PHASE 10
I.R. 90 - STA. 71+00.00 TO STA. 81+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

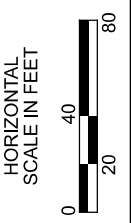
DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
308 2339

NOTES:
1. FOR TRAFFIC SIGNAL STATIONS, OFFSETS, PULL BOX SIZES, AND CONDUIT SIZES, REFER TO TRAFFIC SIGNAL PLAN SHEETS



MAINTENANCE OF TRAFFIC - PHASE 10
I.R. 90 - STA. 81+00.00 TO STA. 91+00.00

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	
REVIEWER	
PROJECT ID	82382
SHEET	TOTAL
309	2339

E. 21ST ST TO I.R. 77 SB ENTRANCE RAMP (OPEN)

CLOSE E. 22ND ST SB OUTSIDE LANE FOR A MAXIMUM OF ONE WEEK (7 DAYS) FOR BRIDGE 13 CLOSURE POUR

COMPLETE CONSTRUCTION OF BRIDGE 13

I.R. 90 WB TO I.R. 77 SB RAMP (OPEN)

CARNEGIE AVE

CONSTRUCT BRIDGE 16

520' DECISION SIGHT DISTANCE (SCD = 930)

REMOVE EX. ELW AND PLACE CHW & DL

LANE TAPER @ (14' TO 11')

@ I.R. 90 EB STA. 197+36 END CHW (2) BEGIN DL

550' MERGE TAPER @ 50:1 PET MT-98.10

MATCH LINE STA. 81+00.00 SEE SHEET 308

MATCH LINE STA. 91+00.00 SEE SHEET 310

- INSTALL PULL BOX
- INSTALL CONDUIT
- INSTALL CONTROLLER
- INSTALL CONDUIT
- INSTALL CONDUIT
- INSTALL PULL BOX
- INSTALL CONDUIT
- INSTALL PULL BOX

- INSTALL PULL BOX
- INSTALL CONDUIT
- INSTALL CONTROLLER
- INSTALL PULL BOX
- INSTALL SP-1
- INSTALL CONDUIT
- INSTALL PULL BOX

- INSTALL CONDUIT
- INSTALL PP-2
- INSTALL MAST ARMS

I.R. 77 NB TO E. 22ND ST EXIT RAMP (CLOSED PERMANENTLY)

- INSTALL CONDUIT
- INSTALL SP-2

@ CONST. E. 22ND ST, STA. 28+88 TO STA. 31+00 FINISH REMOVAL OF EXISTING RAMP AND COMPLETE CONSTRUCTION OF PROPOSED CURB AND WALK

- INSTALL MAST ARM

- INSTALL PULL BOX
- INSTALL CONDUIT
- INSTALL PP-3

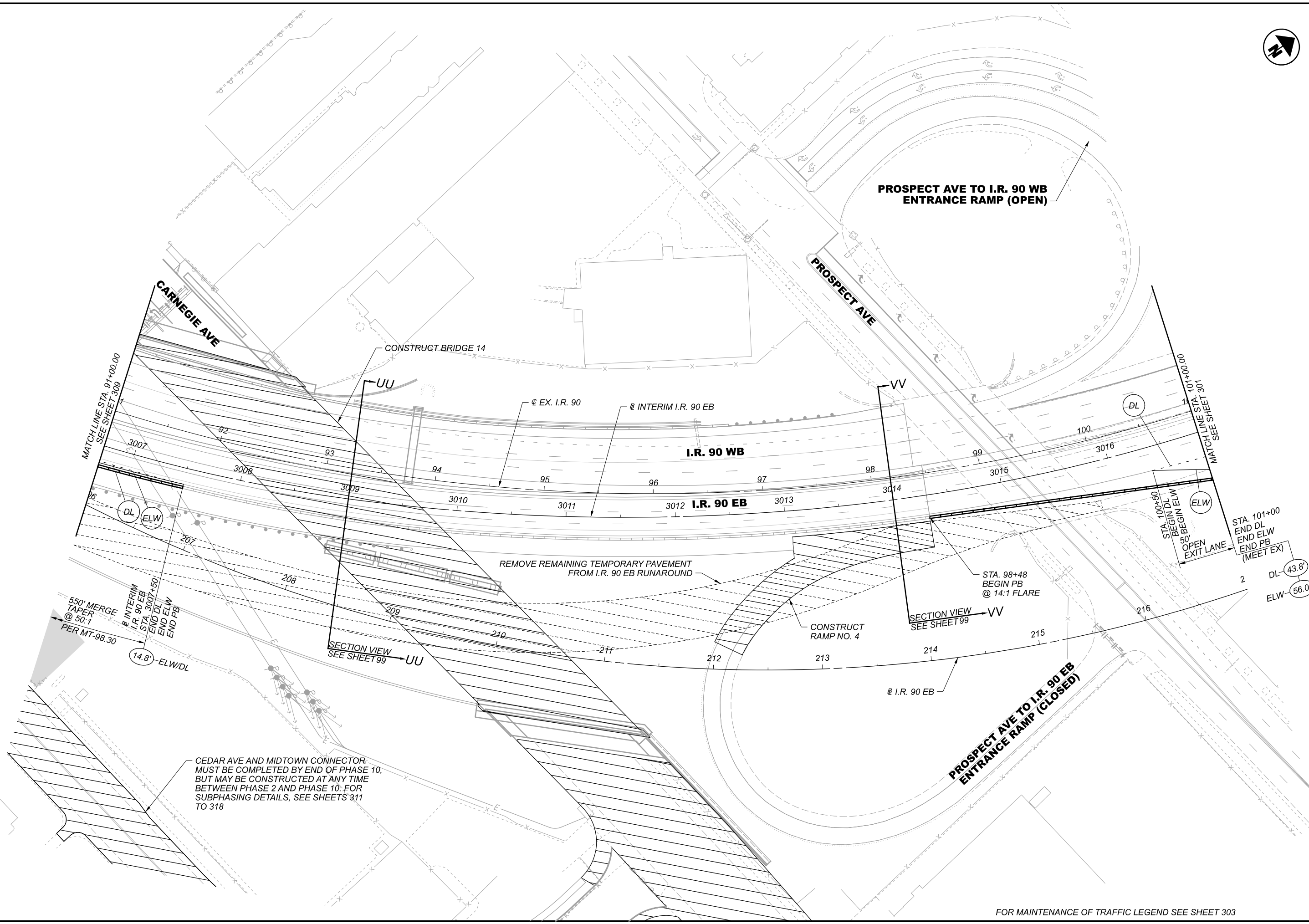
E. 22ND ST

CENTRAL AVE

FOR ALL PROPOSED SIGNAL HEAD LOCATION DETAILS ON THIS SHEET SEE SHEET 324

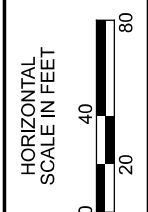
CEDAR AVE AND MIDTOWN CONNECTOR MUST BE COMPLETED BY END OF PHASE 10, BUT MAY BE CONSTRUCTED AT ANY TIME BETWEEN PHASE 2 AND PHASE 10. FOR SUBPHASING DETAILS, SEE SHEETS 311 TO 318

FOR MAINTENANCE OF TRAFFIC SEE SHEET 303



CEDAR AVE AND MIDTOWN CONNECTOR MUST BE COMPLETED BY END OF PHASE 10, BUT MAY BE CONSTRUCTED AT ANY TIME BETWEEN PHASE 2 AND PHASE 10. FOR SUBPHASING DETAILS, SEE SHEETS 311 TO 318

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 303



MAINTENANCE OF TRAFFIC - PHASE 10
I.R. 90 - STA. 91+00.00 TO STA. 101+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
310	2339

MAINTENANCE OF TRAFFIC LEGEND

- AREA OF CONSTRUCTION THAT MUST OCCUR DURING THIS PHASE
- AREA OF CONSTRUCTION THAT MAY OCCUR DURING THIS PHASE
- TEMPORARY PAVEMENT CONSTRUCTED THIS PHASE
- PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A
- EXISTING BRIDGE OR TEMPORARY PAVEMENT REMOVAL

* - STATION AND OFFSET INFORMATION PROVIDED BASED ON ALIGNMENT OF ROADWAY BEING DETAILED, UNLESS NOTED OTHERWISE.

^ - ITEM 622, PORTABLE BARRIER, ANCHORED, AS PER PLAN TO BE USED ON BRIDGES WHEN PLACED ADJACENT TO ONE DIRECTION OF TRAFFIC

— - ITEM 622, PORTABLE BARRIER (PB), 50", AS PER PLAN

— - IMPACT ATTENUATOR

••••• - DRUMS SPACED AS NOTED, OR AS SHOWN ON REFERENCE STANDARD CONSTRUCTION DRAWINGS

(17.5) - OFFSET RIGHT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED

(-17.5) - OFFSET LEFT FROM CENTERLINE, BASELINE OR EX. EDGE AS NOTED

(ELW) - WORK ZONE EDGE LINE (WHITE), CLASS I

(ELY) - WORK ZONE EDGE LINE (YELLOW), CLASS I

(TLW) - WORK ZONE TRANSVERSE LINE (WHITE), CLASS I

(CHW) - WORK ZONE CHANNELIZING LINE (WHITE), CLASS I

(DL) - WORK ZONE DOTTED LINE, CLASS I

(LL) - WORK ZONE LANE LINE, CLASS I

(CL) - WORK ZONE CENTER LINE (DOUBLE SOLID), CLASS I

(XW) - WORK ZONE CROSS WALK LINE, CLASS I

(SL) - WORK ZONE STOP LINE, CLASS I

(LA) - WORK ZONE LANE ARROW, CLASS I

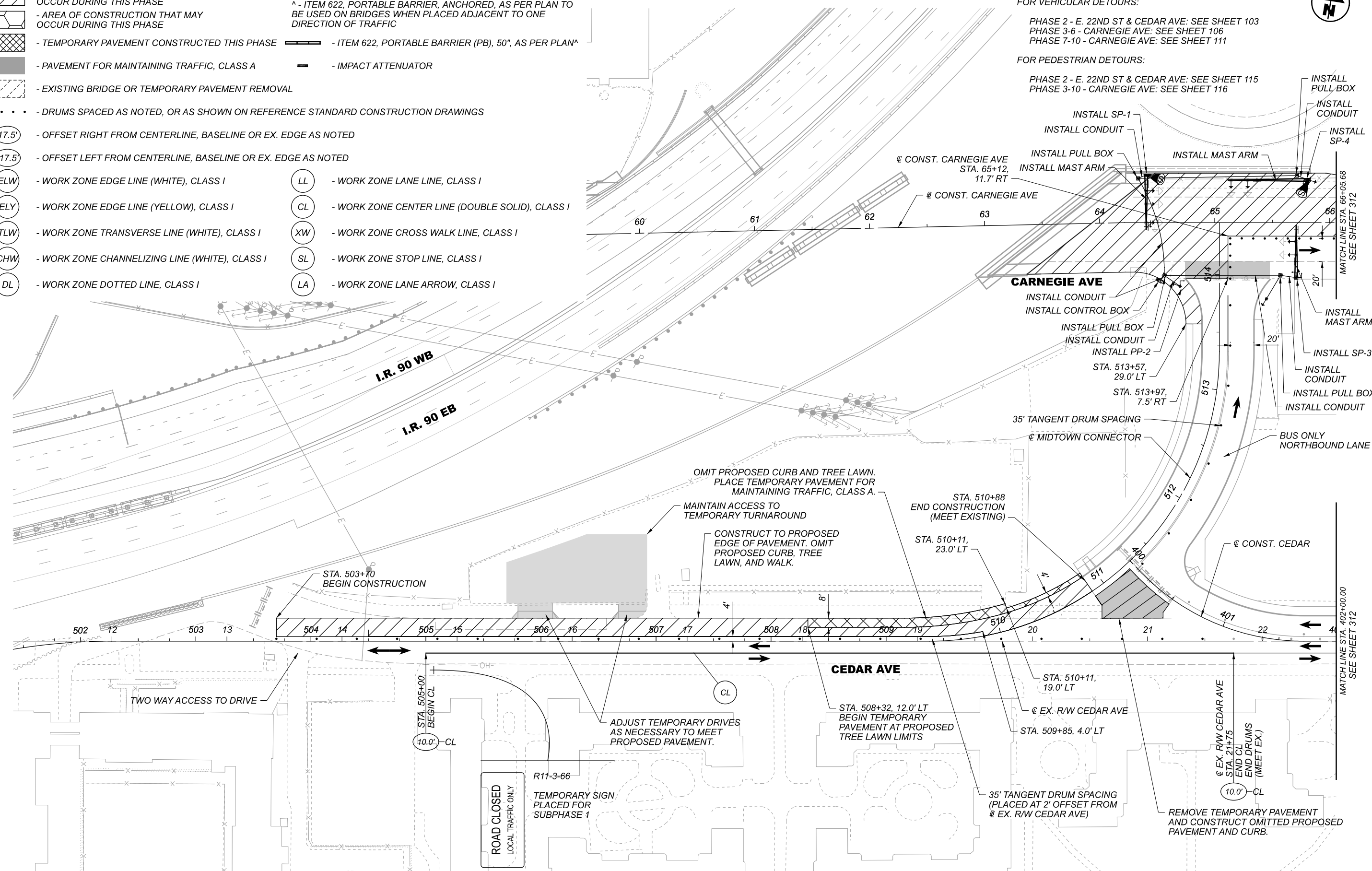
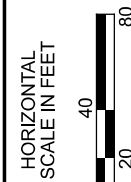
SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
- PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
- PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
- PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116

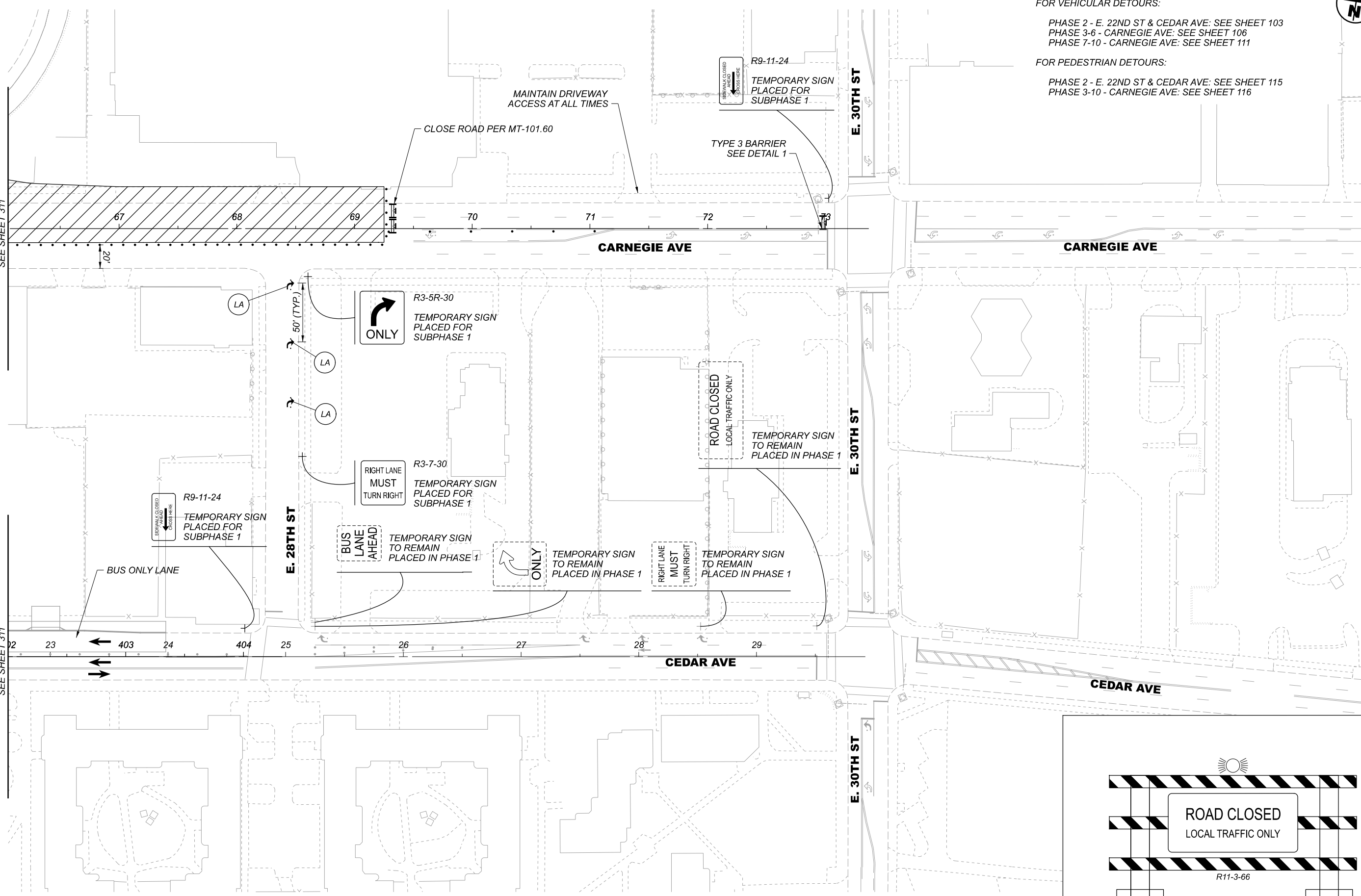


**MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 1
CEDAR AVE - BEGIN TO STA. 402+00.00**

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET TOTAL	311 2339

MATCH LINE STA. 66+05.68
SEE SHEET 311

MATCH LINE STA. 402+00.00
SEE SHEET 311



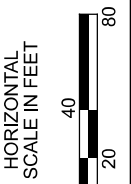
SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

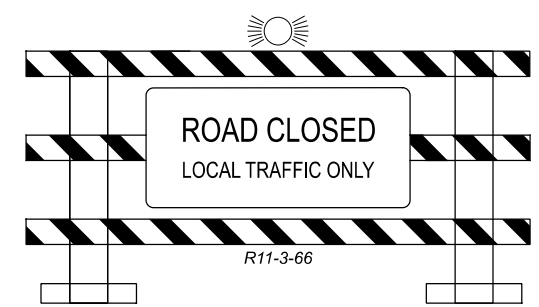
- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
- PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
- PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
- PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116



MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 1
CEDAR AVE - STA. 402+00.00 TO END



TYPE 3 BARRICADE
DETAIL 1

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 311

DESIGN AGENCY

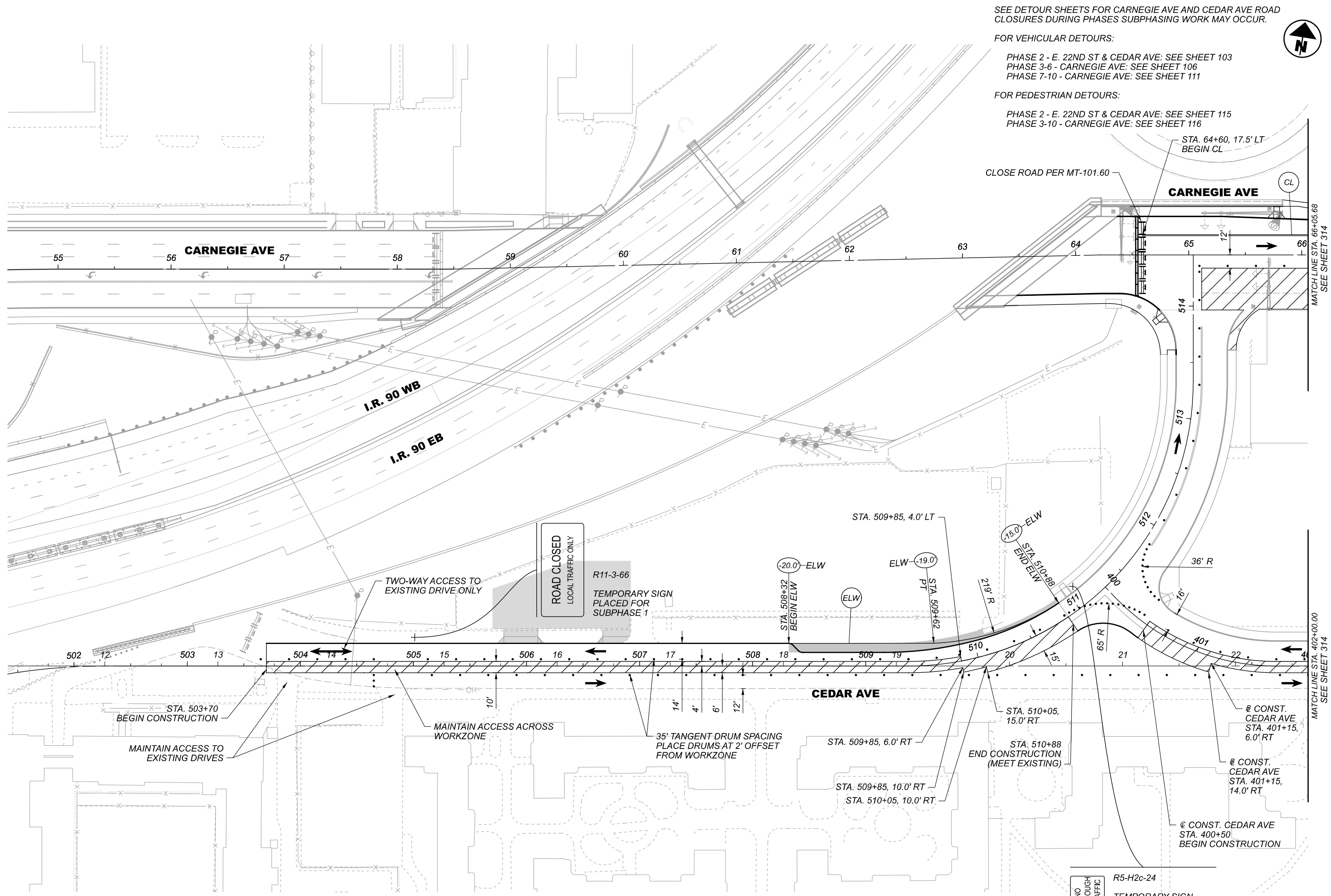
Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET	TOTAL
312	2339



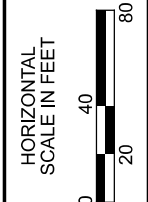
SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
- PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
- PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
- PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116



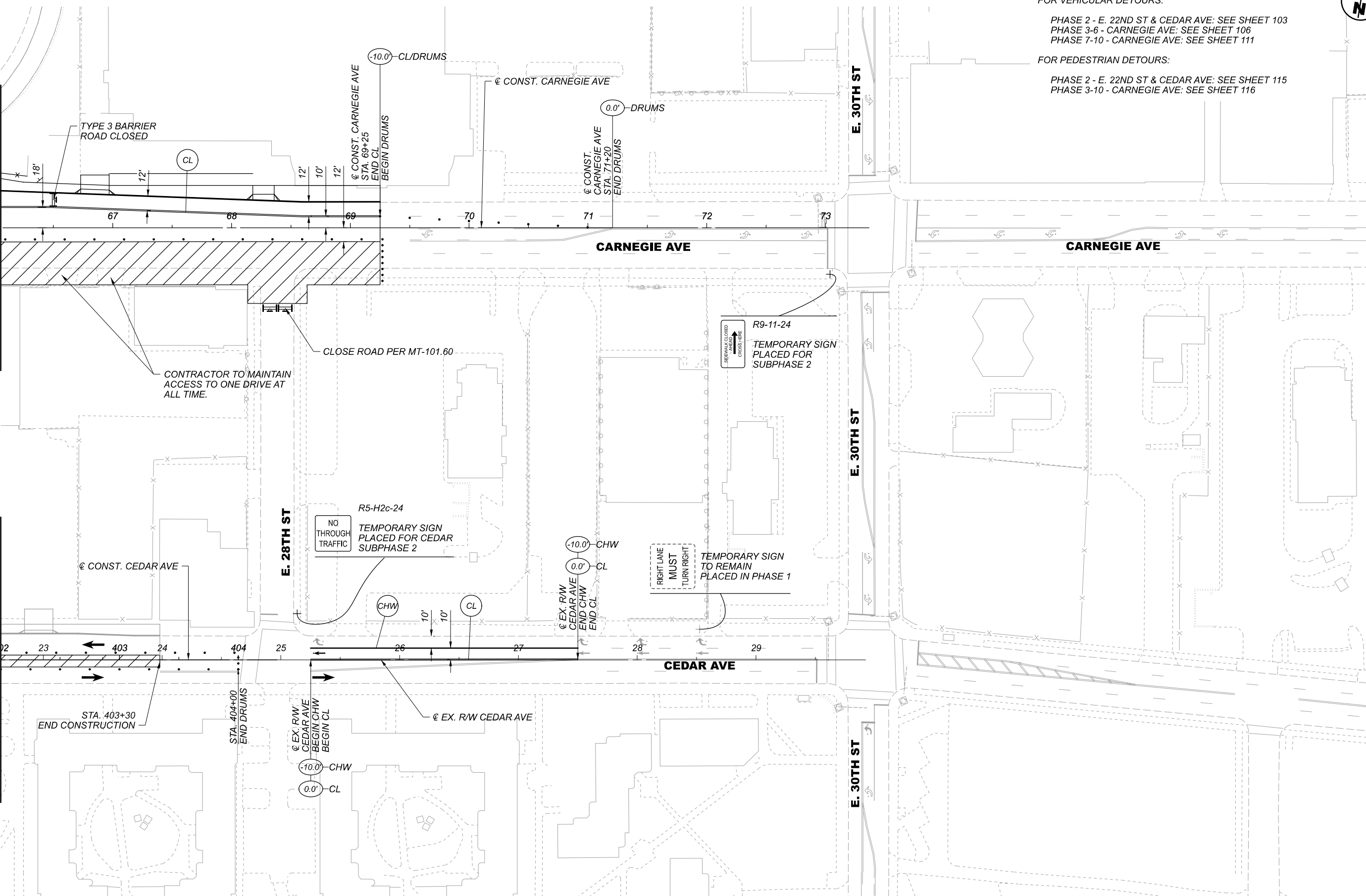
FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 311

MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 2
CEDAR AVE - BEGIN TO STA. 402+00.00

DESIGN AGENCY	Michael Baker INTERNATIONAL
DESIGNER	-
REVIEWER	-
PROJECT ID	82382
SHEET TOTAL	313 2339

MATCH LINE STA. 66+05.68
SEE SHEET 313

MATCH LINE STA. 402+00.00
SEE SHEET 313



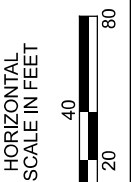
SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
 PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
 PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
 PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116



MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 2
 CEDAR AVE - STA. 402+00.00 TO END

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
314 2339

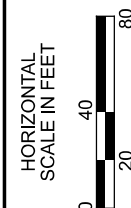
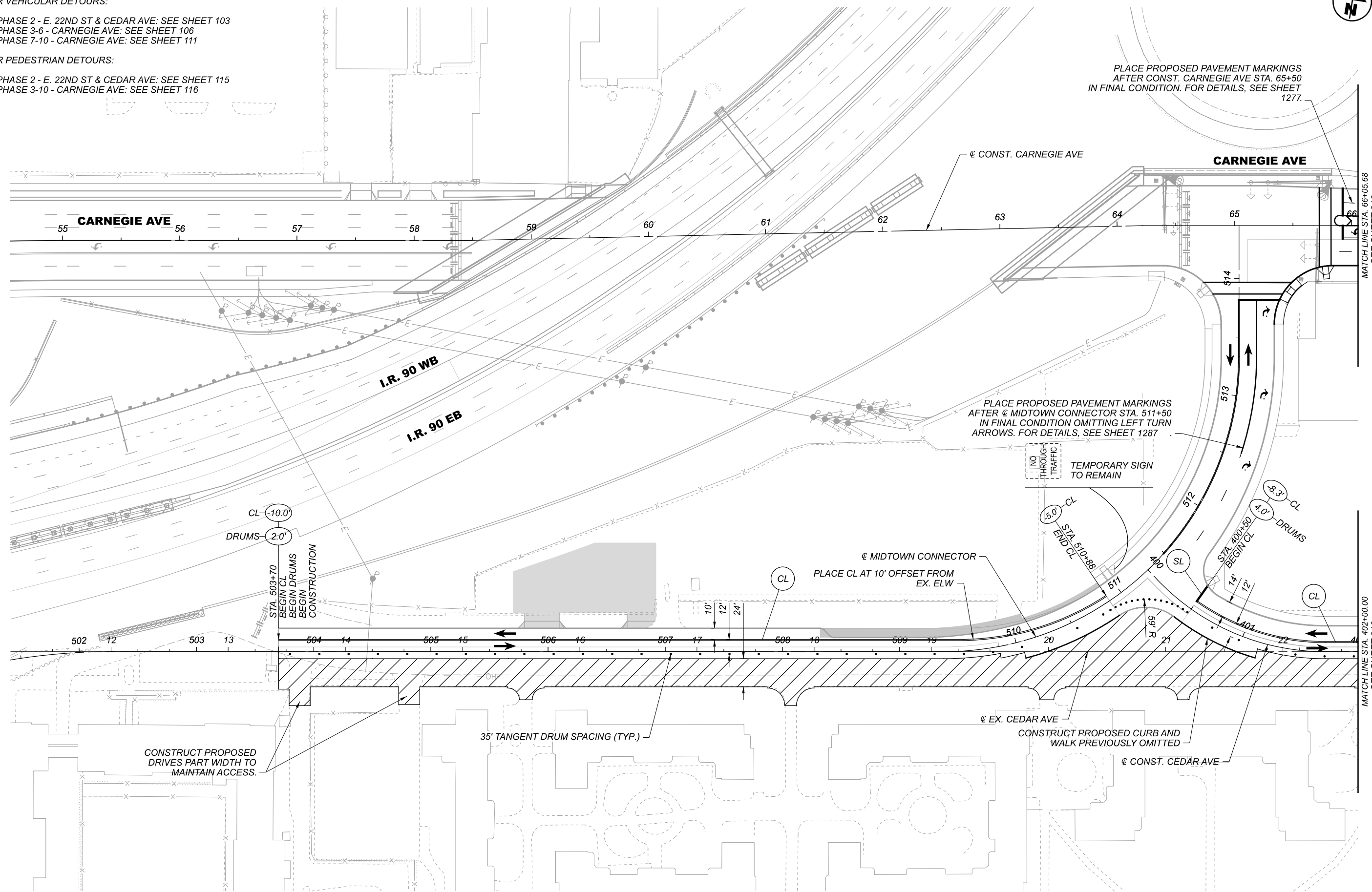
SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116



MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 3
CEDAR AVE - BEGIN TO STA. 402+00.00

DESIGN AGENCY

Michael Baker INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID

82382

SHEET TOTAL

315 2339

MATCH LINE STA. 66+05.68
SEE SHEET 315

MATCH LINE STA. 402+00.00
SEE SHEET 315

PLACE CONST. CARNEGIE AVE
PROPOSED PAVEMENT MARKINGS
IN FINAL CONDITION. FOR DETAILS,
SEE SHEET 1277

CL CONST. CARNEGIE AVE

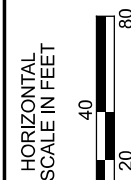
SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD
CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

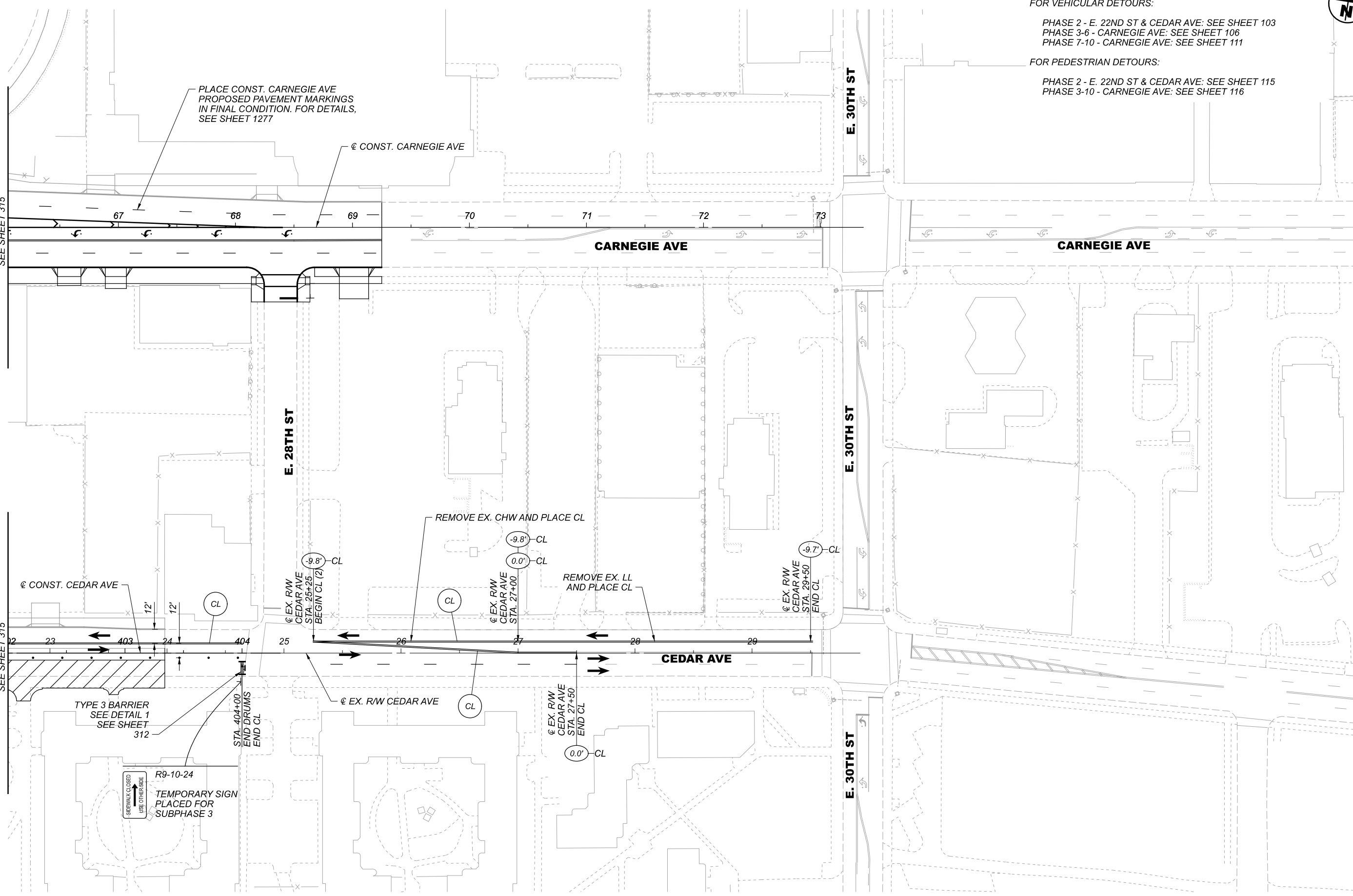
PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116



MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 3
CEDAR AVE - STA. 402+00.00 TO END



TYPE 3 BARRIER
SEE DETAIL 1
SEE SHEET
312

R9-10-24
TEMPORARY SIGN
PLACED FOR
SUBPHASE 3

FOR MAINTENANCE OF TRAFFIC LEGEND SEE SHEET 311

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

PROJECT ID
82382

SHEET TOTAL
316 2339

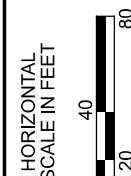
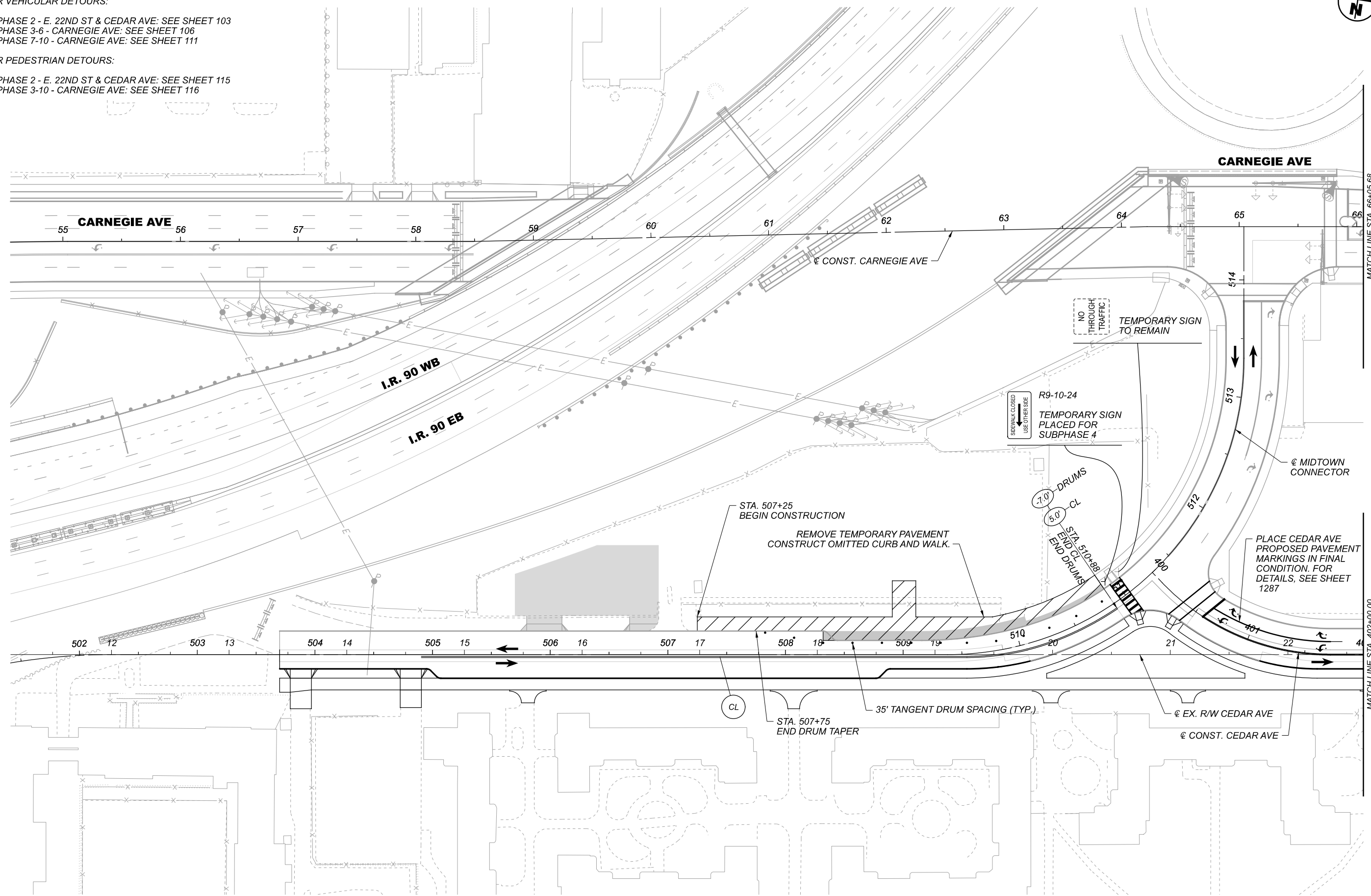
SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116



MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 4
CEDAR AVE - BEGIN TO STA. 402+00.00

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

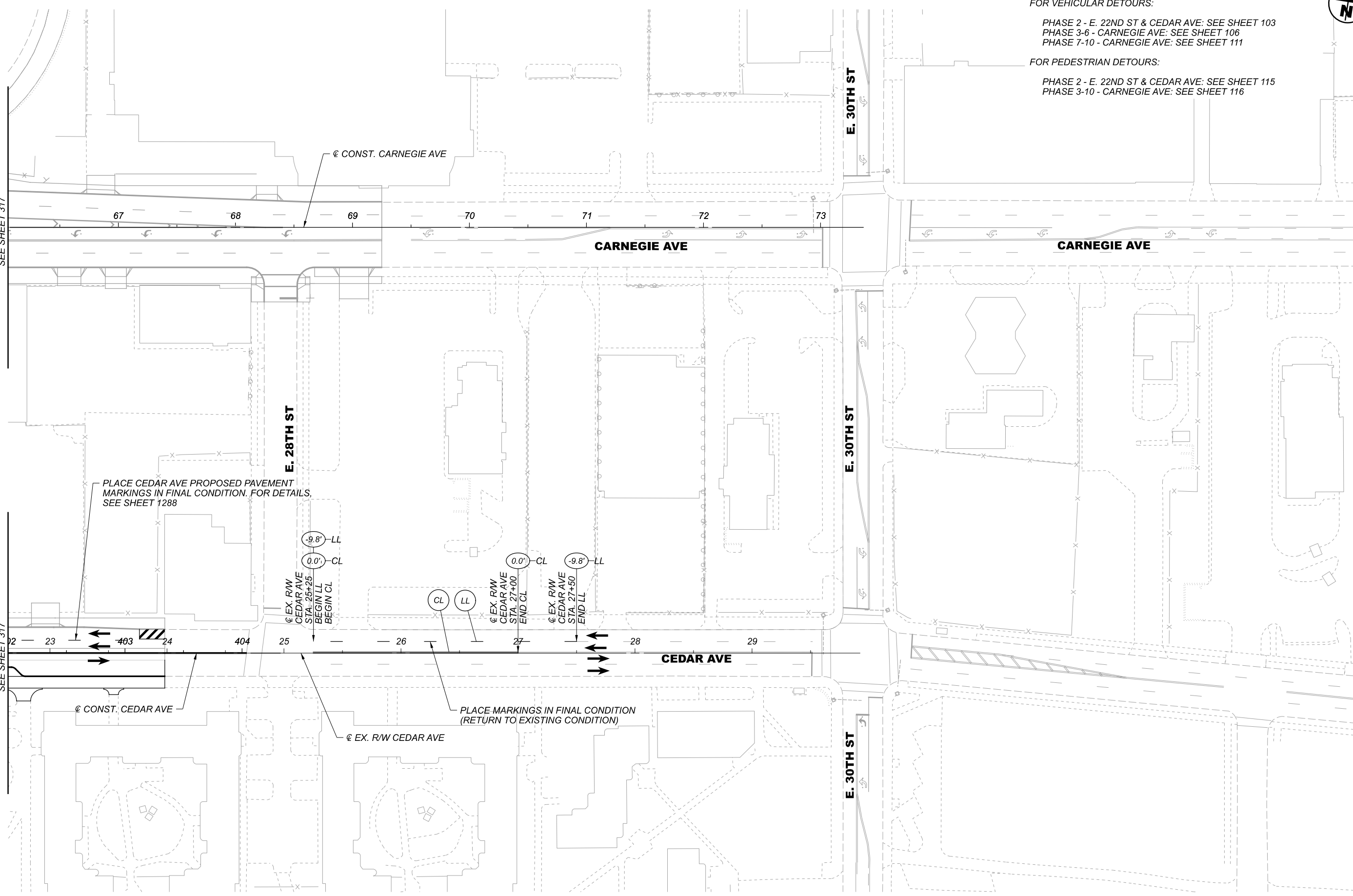
REVIEWER

PROJECT ID
82382

SHEET	TOTAL
317	2339

MATCH LINE STA. 66+05.68
SEE SHEET 317

MATCH LINE STA. 402+00.00
SEE SHEET 317



SEE DETOUR SHEETS FOR CARNEGIE AVE AND CEDAR AVE ROAD CLOSURES DURING PHASES SUBPHASING WORK MAY OCCUR.

FOR VEHICULAR DETOURS:

- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 103
- PHASE 3-6 - CARNEGIE AVE: SEE SHEET 106
- PHASE 7-10 - CARNEGIE AVE: SEE SHEET 111

FOR PEDESTRIAN DETOURS:

- PHASE 2 - E. 22ND ST & CEDAR AVE: SEE SHEET 115
- PHASE 3-10 - CARNEGIE AVE: SEE SHEET 116



MAINTENANCE OF TRAFFIC - CEDAR SUBPHASE 4
CEDAR AVE - STA. 402+00.00 TO END

DESIGN AGENCY

Michael Baker
INTERNATIONAL

DESIGNER

REVIEWER

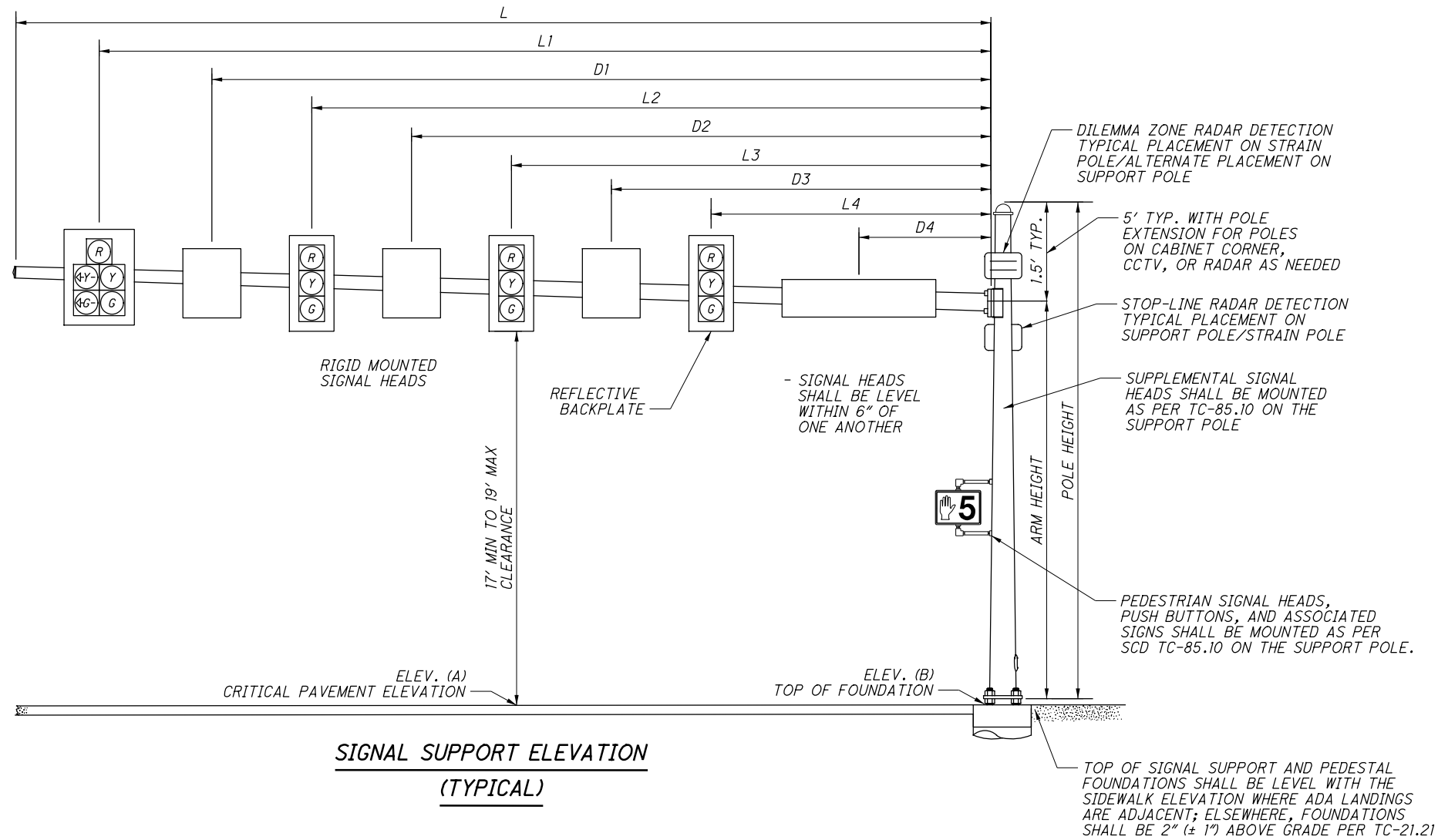
- MM-DD-YY

PROJECT ID

82382

SHEET TOTAL

318 2339



MAST ARM TABLE (TEM FIGURE 498-37 & 38)

SUPPORT NO.	DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS										
			POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D1	D2	D3	D4
			FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
CARNEGIE AVE & E. 14TH ST													
SP-1	-	-	-	-	63.0'	54.25'	44.25'	31.25'	20.75'	50.75'	40.75'	25.75'	15.75'
SP-2	-	-	-	-	55.0'	48.0'	36.0'	-	-	53.0'	42.0'	28.0'	-
SP-3	-	-	-	-	33.0'	25.5'	11.0'	-	-	31.5'	18.25'	5.0'	-
SP-4	-	-	-	-	56.0'	53.5'	43.25'	29.25'	12.75'	50.0'	35.0'	6.0'	-
CARNEGIE AVE & E. 18TH ST													
SP-1	-	-	-	-	55.0'	38.25'	27.25'	16.25'	-	41.5'	9.0'	-	-
SP-2	-	-	-	-	25.0'	22.5'	10.5'	-	-	19.0'	4.75'	-	-
EX. SP-3	-	-	-	-	EX. 22.75'	11.5'	-	-	-	28.75'	6.0'	-	-
SP-4	-	-	-	-	39.0'	36.5'	28.5'	14.0'	-	36.5'	17.5'	8.0'	-

NOTES:

- REFER TO TRAFFIC SIGNAL PLAN DETAIL SHEET FOR STATIONS, OFFSETS, ELEVATIONS, AND ORIENTATION ANGLES.

DESIGN AGENCY

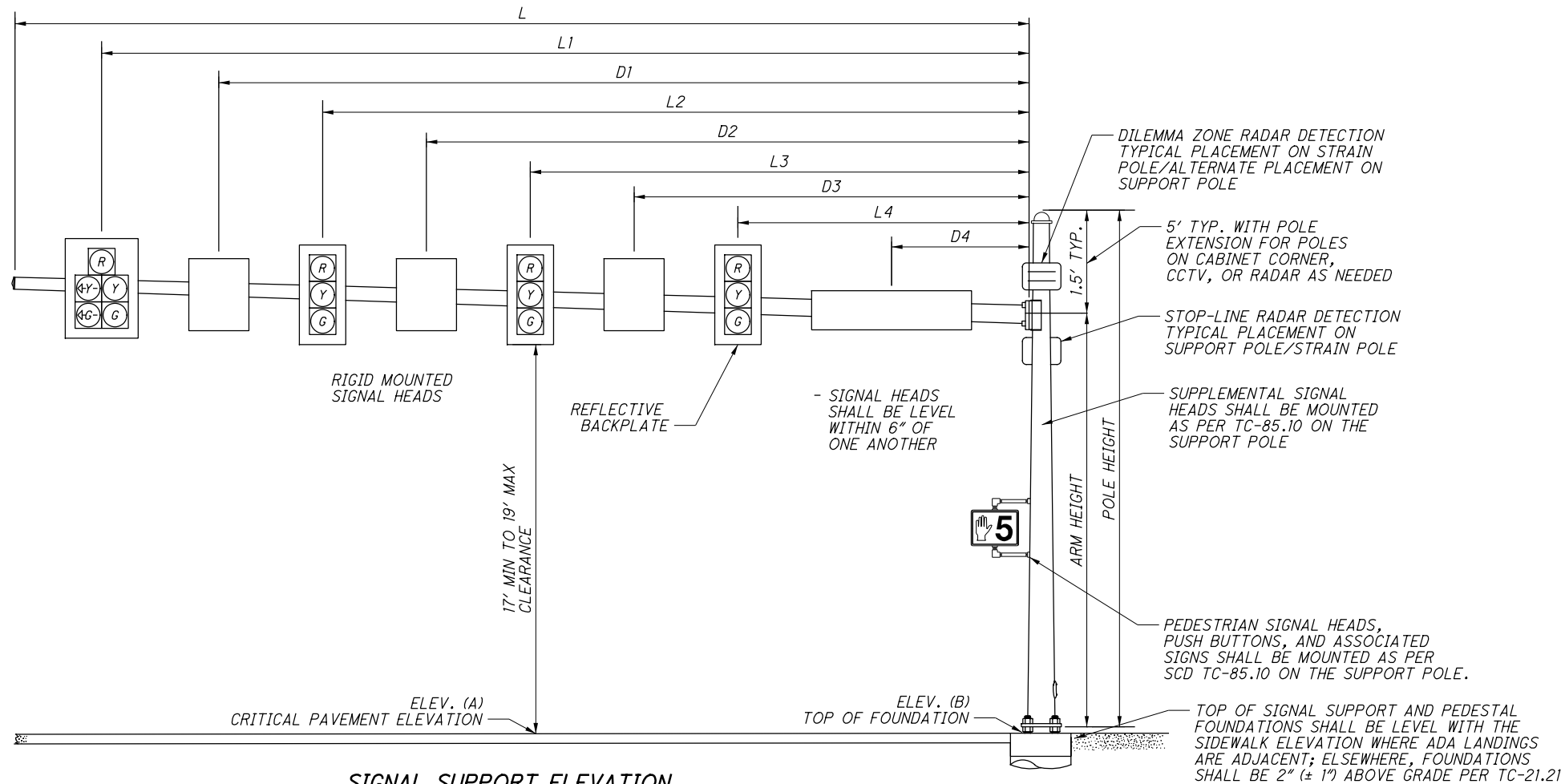
Michael Baker
 INTERNATIONAL

DESIGNER

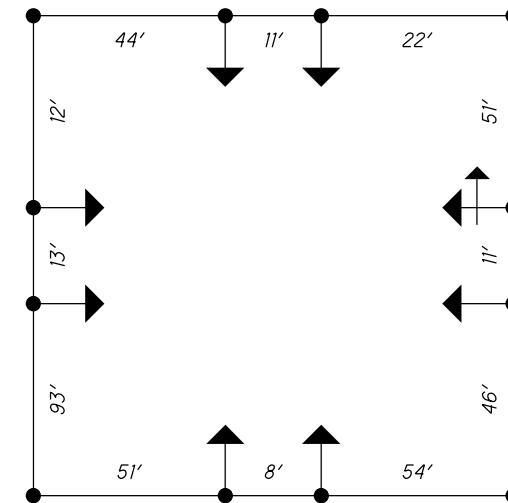
REVIEWER

PROJECT ID
 82382

SHEET TOTAL
 319 2339



**TEMPORARY SPAN WIRE DETAILS
 CARNEGIE AVE. & E. 22ND ST.**



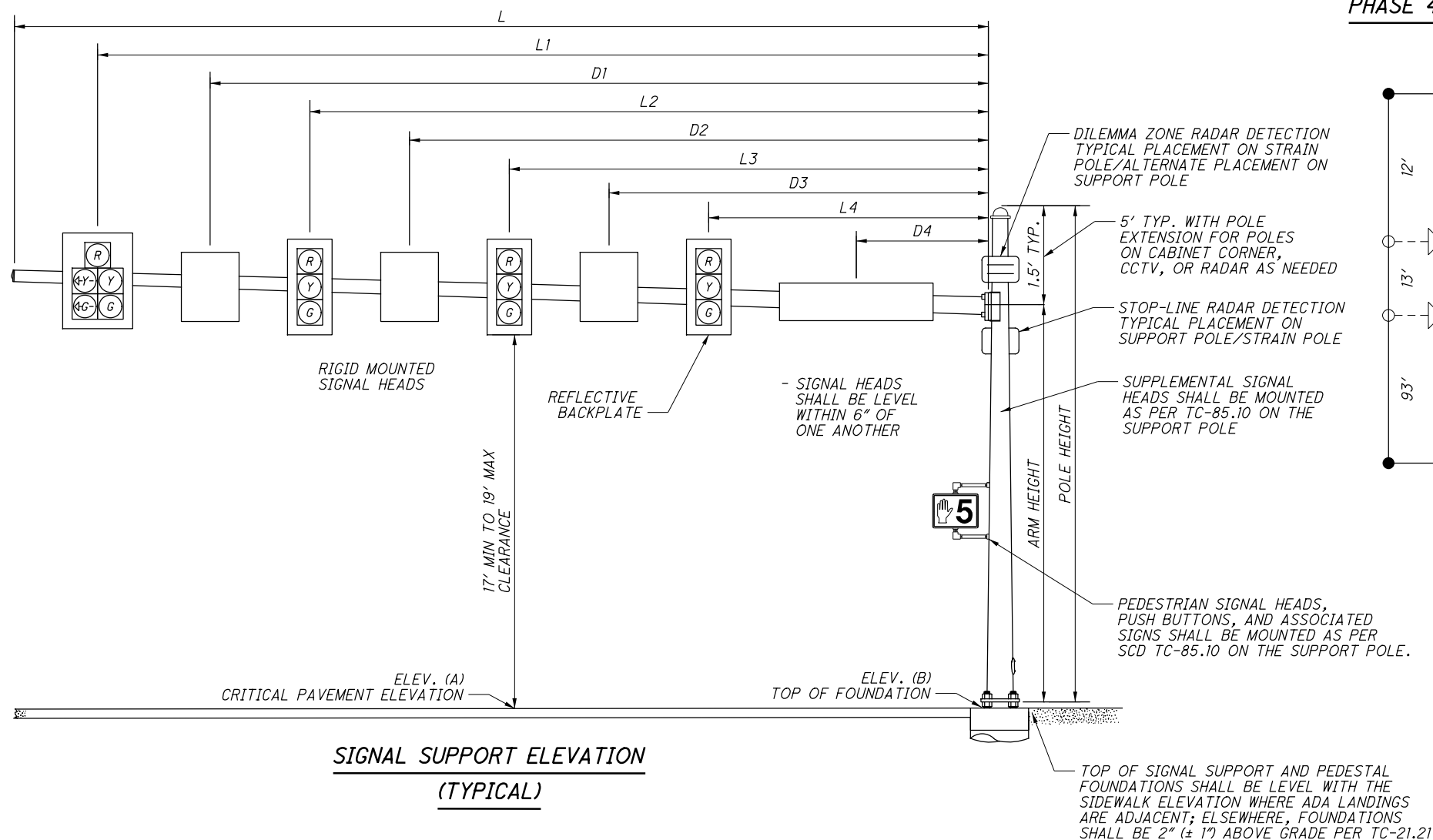
SUPPORT NO.	DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS										
			POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D1	D2	D3	D4
			FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
CARNEGIE AVE & E. 14TH ST													
SP-1	-	-	-	-	63.0'	59.75'	48.75'	37.75'	24.75'	-	-	-	-
SP-4	-	-	-	-	56.0'	EX.	34.75'	23.75'	12.75'	-	-	-	-
CARNEGIE AVE & E. 18TH ST													
SP-4	-	-	-	-	39.0'	EX.	25.5'	EX.	-	-	-	-	-

MAST ARM TABLE (TEM FIGURE 498-37 & 38)

PHASE	SUPPORT NO.	DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS										
				POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D1	D2	D3	D4
				FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
CARNEGIE AVE & CEDAR AVE SUBPHASE 1	SP-1	-	-	-	-	47.0'	41.5'	25.25'	13.75'	-	45.0'	8.0'	-	-
	SP-3	-	-	-	-	70.0'	67.5'	53.0'	-	-	45.0'	-	-	-
	SP-4	-	-	-	-	45.0'	31.25'	19.75'	-	-	41.5'	14.0'	-	-

NOTES:

- MOT SIGNALS FOR PHASE 3 REMAIN IN THE SAME LOCATION AS MOT PHASE 2.
- REFER TO TRAFFIC SIGNAL PLAN DETAIL SHEET FOR STATIONS, OFFSETS, ELEVATIONS, AND ORIENTATION ANGLES.
- CARNEGIE AVE & CEDAR AVE SUBPHASE 1 CAN BE CONSTRUCTED ANY TIME BETWEEN PHASES 3 AND 10. ALL TRAFFIC SIGNAL EQUIPMENT IN CARNEGIE AVE & CEDAR AVE SUBPHASE 1 MUST BE INSTALLED PRIOR TO OPENING THE INTERSECTION TO TRAFFIC.



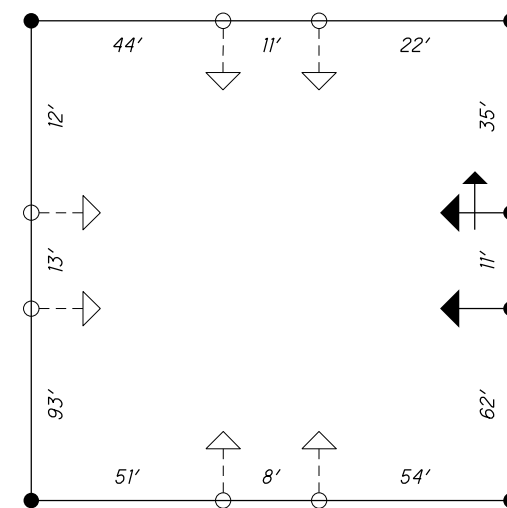
MAST ARM TABLE (TEM FIGURE 498-37 & 38)

PHASE	SUPPORT NO.	DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS										
				POLE HEIGHT FT	ARM HEIGHT FT	L FT	L1 FT	L2 FT	L3 FT	L4 FT	D1 FT	D2 FT	D3 FT	D4 FT
CARNEGIE AVE & E. 21ST ST														
PHASE 4A	EX. SP-1	-	-	-	-	EX.	15.5'	6.5'	-	-	-	-	-	
CARNEGIE AVE & E. 21ST ST														
PHASE 4C	SP-1	-	-	-	-	-	62.0'	59.25'	40.25'	28.75'	-	25.25'	17.0'	
	SP-2	-	-	-	-	-	30.0'	27.0'	16.25'	-	10.0'	-	-	
	SP-4	-	-	-	-	-	37.0'	34.5'	23.25'	13.0'	-	31.0'	6.0'	

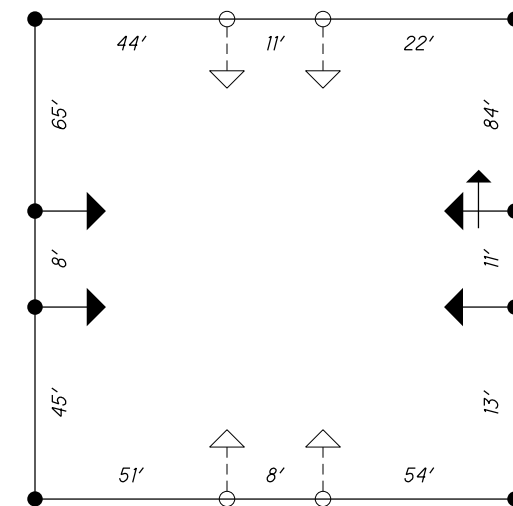
NOTES:

- REFER TO TRAFFIC SIGNAL PLAN DETAIL SHEET FOR STATIONS, OFFSETS, ELEVATIONS, AND ORIENTATION ANGLES.

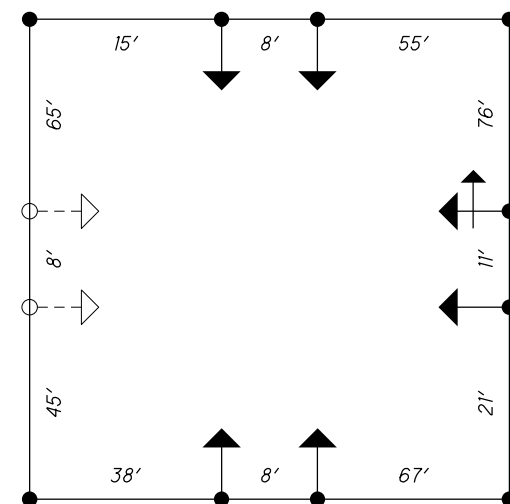
**TEMPORARY SPAN WIRE DETAILS
 PHASE 4A: CARNEGIE AVE. & E. 22ND ST.**



**TEMPORARY SPAN WIRE DETAILS
 PHASE 4B: CARNEGIE AVE. & E. 22ND ST.**



**TEMPORARY SPAN WIRE DETAILS
 PHASE 4C: CARNEGIE AVE. & E. 22ND ST.**



DESIGN AGENCY

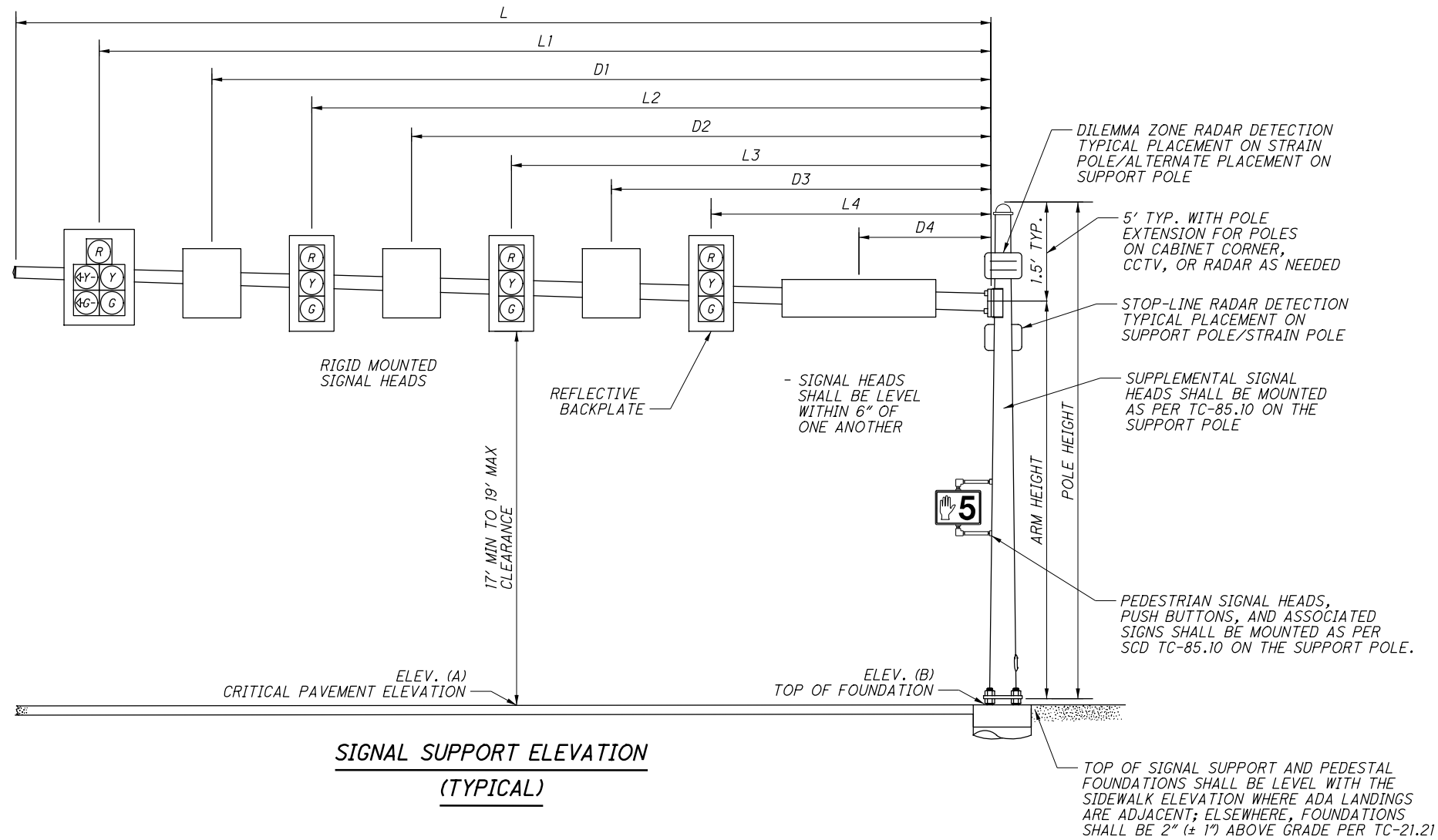
**Michael Baker
 INTERNATIONAL**

DESIGNER

REVIEWER

PROJECT ID
 82382

SHEET TOTAL
 321 2339



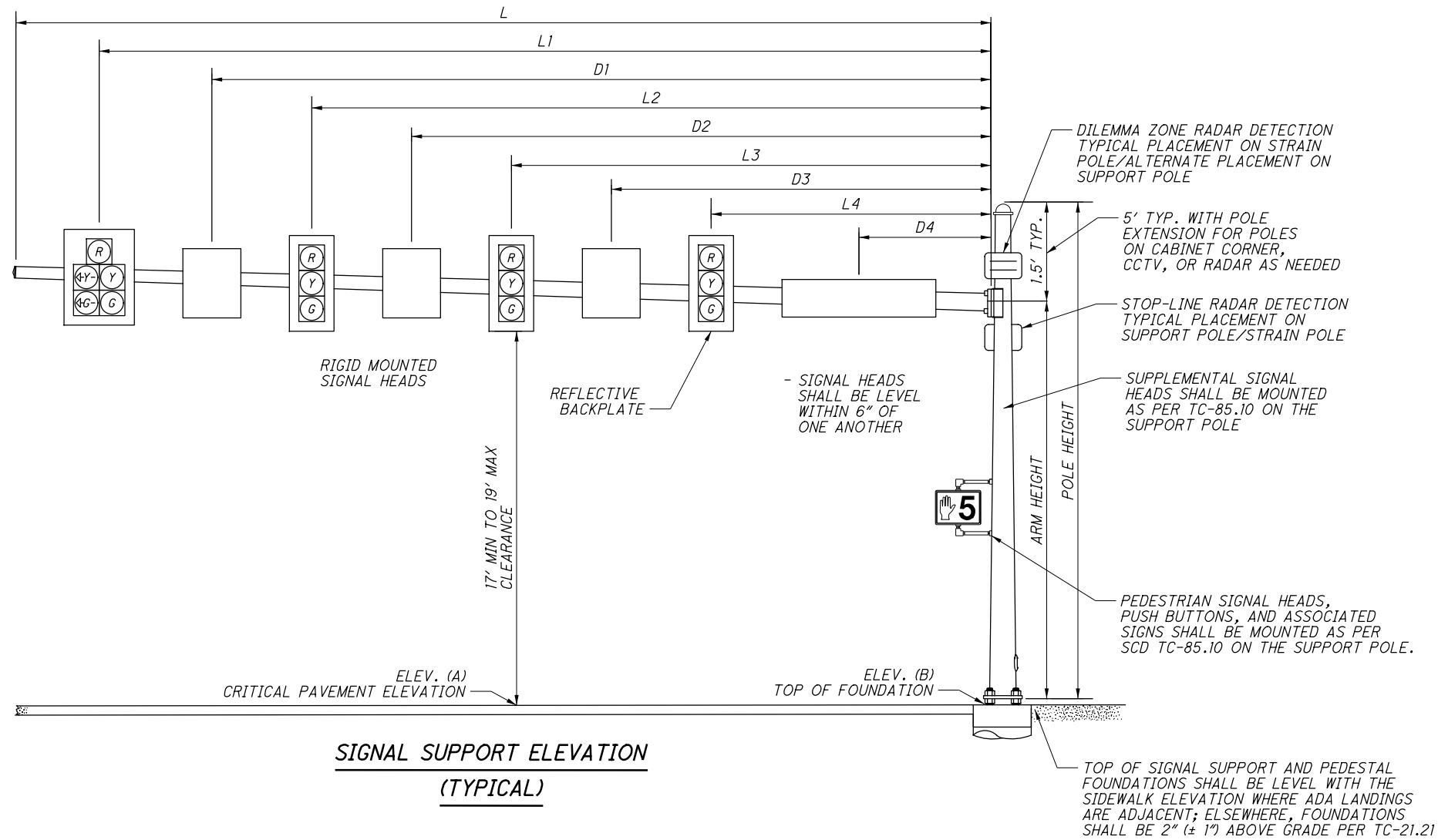
**SIGNAL SUPPORT ELEVATION
(TYPICAL)**

MAST ARM TABLE (TEM FIGURE 498-37 & 38)

SUPPORT NO.	DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS										
			POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D1	D2	D3	D4
			FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
CARNEGIE AVE & E. 22ND ST													
SP-1	-	-	-	-	62.0'	59.0'	48.0'	37.0'	-	55.5'	21.0'	-	-
SP-2	-	-	-	-	51.0'	48.5'	40.5'	-	-	33.0'	-	-	-
SP-3	-	-	-	-	33.0'	30.75'	13.75'	-	-	27.25'	10.25'	5.0'	-
SP-4	-	-	-	-	41.0'	35.0'	24.0'	12.25'	-	38.5'	15.75'	6.0'	-

NOTES:

1. MOT PHASES 6 AND 7 SIGNALS REMAIN IN THE SAME LOCATION AS MOT PHASE 5.
2. REFER TO TRAFFIC SIGNAL PLAN DETAIL SHEET FOR STATIONS, OFFSETS, ELEVATIONS, AND ORIENTATION ANGLES.



**SIGNAL SUPPORT ELEVATION
(TYPICAL)**

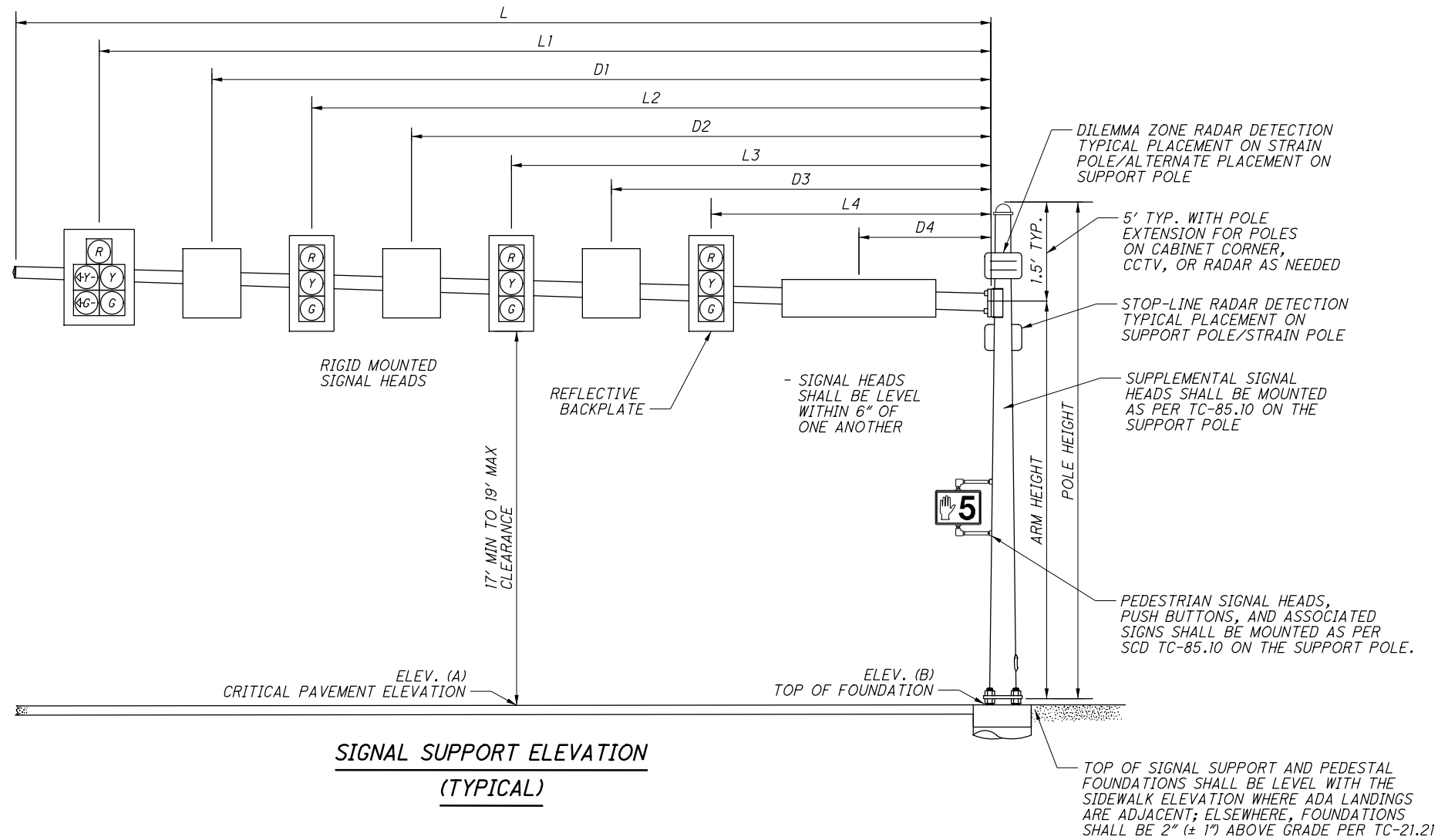
MAST ARM TABLE (TEM FIGURE 498-37 & 38)

SUPPORT NO.	DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS										
			POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D1	D2	D3	D4
			FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
E. 22ND ST & COMMUNITY COLLEGE AVE													
SP-1	-	-	-	-	23.0'	20.0'	6.0'	-	-	13.0'	-	-	-
SP-2	-	-	-	-	40.0'	37.0'	24.5'	-	-	21.0'	12.0'	-	-
EX. SP-3	-	-	-	-	EX.	EX.	EX.	-	-	42.8'	-	-	-

NOTES:

- MOT SIGNALS FOR PHASE 9 REMAIN IN THE SAME LOCATION AS MOT PHASE 8.
- REFER TO TRAFFIC SIGNAL PLAN DETAIL SHEET FOR STATIONS, OFFSETS, ELEVATIONS, AND ORIENTATION ANGLES.

DESIGN AGENCY	
Michael Baker INTERNATIONAL	
DESIGNER	--
REVIEWER	--
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SHEET	TOTAL
323	2339



MAST ARM TABLE (TEM FIGURE 498-37 & 38)

SUPPORT NO.	DESIGN TYPE	DESIGN NO.	SIGNAL SUPPORT DETAILS										
			POLE HEIGHT	ARM HEIGHT	L	L1	L2	L3	L4	D1	D2	D3	D4
			FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT
E. 22ND ST & CEDAR AVE													
SP-1	-	-	-	-	68.0'	65.5'	57.0'	-	-	50.0'	-	-	-
SP-1	-	-	-	-	49.0'	42.0'	28.75'	-	-	46.75'	23.0'	16.0'	-
SP-4	-	-	-	-	59.0'	56.25'	44.5'	-	-	52.75'	37.0'	-	-
SP-4	-	-	-	-	25.0'	22.0'	11.0'	-	-	5.0'	-	-	-
E. 22ND ST & CENTRAL AVE													
SP-1	-	-	-	-	30.0'	27.75'	16.25'	-	-	10.0'	-	-	-
SP-2	-	-	-	-	58.0'	55.0'	35.0'	22.75'	-	51.5'	16.0'	-	-
SP-3	-	-	-	-	26.0'	23.75'	13.0'	-	-	6.0'	-	-	-

NOTES:

- MOT SIGNALS FOR PHASE 9 REMAIN IN THE SAME LOCATION AS MOT PHASE 8.
- REFER TO TRAFFIC SIGNAL PLAN DETAIL SHEET FOR STATIONS, OFFSETS, ELEVATIONS, AND ORIENTATION ANGLES.

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