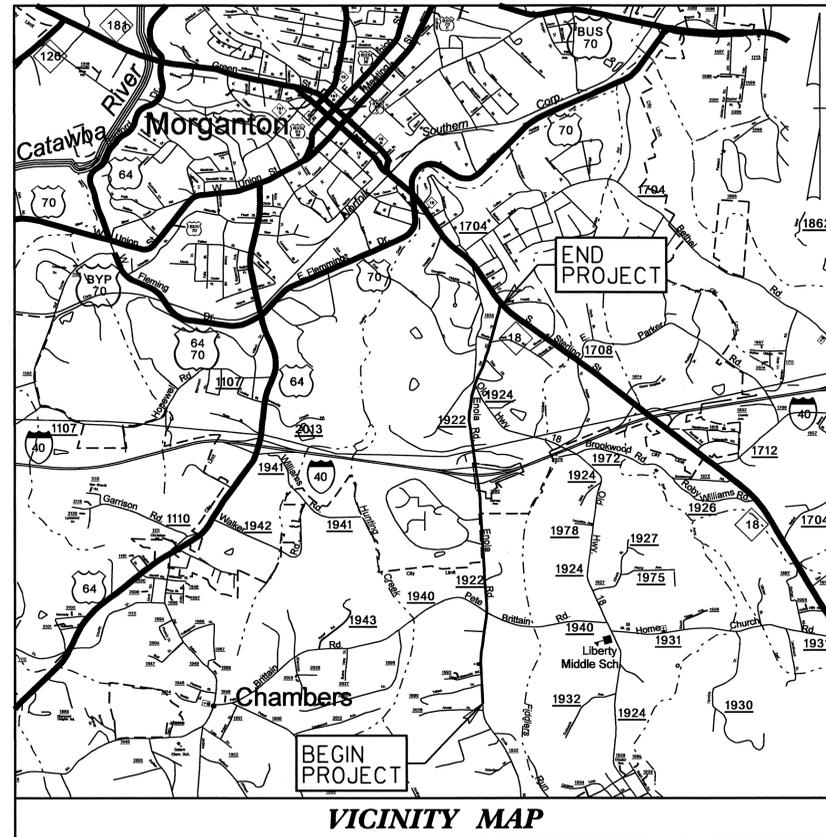


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

BURKE COUNTY



LOCATION: Morganton - SR 1922 (Enola Rd) / SR 1924
(Old NC 18) from South of Pete Brittian (SR 1940)
Road to NC 18

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING
TMP-1B - 1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES AND LOCAL NOTES)
TMP-2A - 2B	TEMPORARY SHORING DATA
TMP-3 - 3A	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 - 29	TEMPORARY TRAFFIC CONTROL PHASE I
TMP-30 - 39	TEMPORARY TRAFFIC CONTROL PHASE II
TMP-40 - 47	TEMPORARY TRAFFIC CONTROL PHASE III
TMP-48 - 54	TEMPORARY TRAFFIC CONTROL PHASE I CROSS-SECTION DETAILS
TMP-55 - 59	TEMPORARY TRAFFIC CONTROL PHASE II CROSS-SECTION DETAILS
SD - 1	SPECIAL SIGN DESIGN

SHEET NO.
TMP-1

U-2551

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N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1580 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1580
1020 BIRCH RIDGE DRIVE, RALEIGH, NC 27610 (DELIVERY)
PHONE: (919) 250-4094 FAX: (919) 250-4098

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
G. L. GETTIER, P.E. TRAFFIC CONTROL PROJECT ENGINEER
J. W. WOOLARD, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
L. K. DONALDSON, P.E. TRAFFIC CONTROL DESIGN ENGINEER



APPROVED: _____
DATE: _____
1/3/12

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2012 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

- DIRECTION OF TRAFFIC FLOW
- DIRECTION OF PEDESTRIAN TRAFFIC FLOW
- EXIST. PVMT.
- NORTH ARROW
- PROPOSED PVMT.



TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM
- TEMPORARY CRASH CUSHION TUBULAR MARKER
- FLASHING ARROW PANEL (TYPE C)
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)
- CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN
- STATIONARY OR PORTABLE SIGN

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

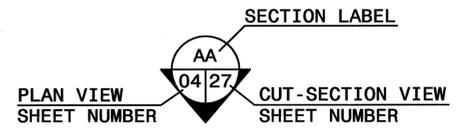
- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

- PAINT (24")
 - P4 WHITE STOPBAR
 - P5 WHITE CROSSWALK
- PAINT (4")
 - PA WHITE EDGELINE
 - PC 10 FT. WHITE SKIP
 - PD 2 FT. WHITE MINISKIP
 - PE WHITE SOLID LANE LINE
 - PF 10 FT. YELLOW SKIP
 - PH YELLOW SINGLE CENTER
 - PI YELLOW DOUBLE CENTER
- PAINT (8")
 - PV YELLOW DIAGONAL
- PAINT (12")
 - P1 WHITE GORE LINE
- COLD APPLIED PLASTIC (4")
 - TYPE 4 - REMOVABLE TAPE
- CA WHITE EDGELINE
- CC 10 FT. WHITE SKIP
- CD 2 FT. WHITE MINISKIP
- CE WHITE SOLID LANE LINE
- CH YELLOW SINGLE CENTER
- CI YELLOW DOUBLE CENTER



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APPROVED:	DATE: 1/3/12		ROADWAY STANDARD DRAWINGS & LEGEND
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MANAGEMENT STRATEGIES

I-40 CONSTRUCTION SUMMARY

PROPOSED I-40 WILL BE CONSTRUCTED USING A COMBINATION OF NIGHT TIME LANE CLOSURES, TRAFFIC LANE SHIFTS UTILIZING TEMPORARY PORTABLE CONCRETE BARRIER, TEMPORARY SHORING, STAGED BRIDGE CONSTRUCTION, AND TEMPORARY RAMP CLOSURES UTILIZING OFFSITE DETOURS.

ENOLA RD (SR 1922) CONSTRUCTION SUMMARY

PROPOSED ENOLA RD WILL BE CONSTRUCTED USING A COMBINATION OF LANE CLOSURES UTILIZING FLAGGERS AS NEEDED, TEMPORARY LANE SHIFTS, TEMPORARY PORTABLE CONCRETE BARRIER, TEMPORARY SHORING, STAGED BRIDGE CONSTRUCTION, AND TEMPORARY DETOURS TO CONSTRUCT SPECIFIC -Y- LINE TIE-INS.

GENERAL NOTES / LOCAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT EXCEPT WHEN OTHERWISE NOTED IN THE PLAN OR DIRECTED BY THE ENGINEER.

TIME RESTRICTIONS

A) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	OPERATION
I-40 (-Y8-)	SUNDAY THRU SATURDAY 4:00 A.M. TO 10:00 P.M.	HANG GIRDERS

B) DO NOT CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	
I-40 (-Y8-)	SUNDAY THRU SATURDAY	6:00 A.M. TO 7:00 P.M.
-L-	MONDAY THRU FRIDAY	7:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 6:00 P.M.

C) DO NOT CLOSE OR NARROW TRAVEL LANES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME	
I-40 (-Y8-), ENOLA RD (-L-), PETE BRITAIN RD (SR 1940) (-Y3-), OLD COLONY RD (SR 1940) (-Y4-), GOVERNMENT DR (-Y9-), OLD NC 18 (SR 1924) (-Y13- & -L-), NC 18 STERLING ST (-Y16-)	

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 6:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 6:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 6:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 6:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 6:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 6:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 6:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- FOR THE J. IVERSON RIDDLE CHRISTMAS PARADE FROM 12:01 A.M. THE DAY OF THE EVENT TO 12 MIDNIGHT THE DAY OF THE EVENT.

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVEL LANE UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

LANE AND SHOULDER CLOSURE REQUIREMENTS

- E) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- F) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO A DIVIDED FACILITY AND WITHIN 10 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

H) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.

I) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

J) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

PAVEMENT EDGE DROP OFF REQUIREMENTS

K) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPENED TRAVEL LANE THAT HAS AN EDGE OF PAVEMENT DROP-OFF AS FOLLOWS:

BACKFILL DROP-OFFS THAT EXCEED 2 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS OF 45 MPH OR GREATER.

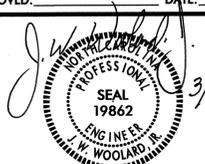
BACKFILL DROP-OFFS THAT EXCEED 3 INCHES ON ROADWAYS WITH POSTED SPEED LIMITS LESS THAN 45 MPH.

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

L) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 100 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

M) NOTIFY THE ENGINEER TWENTY ONE (21) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

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SIGNING

- N) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.
- O) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
- P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
- Q) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- R) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 100 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

- S) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL PLANS A MAXIMUM OF TWO (2) WEEKS PRIOR TO BEGINNING WORK IN ANY LOCATION. ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION PROCEED IN A CONTINUOUS MANNER TO COMPLETE THE PROPOSED WORK IN THAT LOCATION UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER.

DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE.

ONCE TEMPORARY BARRIER IS INSTALLED AT ANY LOCATION AND NO WORK IS PERFORMED BEHIND THE TEMPORARY BARRIER FOR A PERIOD LONGER THAN TWO (2) MONTHS, REMOVE/RESET TEMPORARY BARRIER AT NO COST TO THE DEPARTMENT UNLESS OTHERWISE STATED IN THE TRAFFIC CONTROL PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

- T) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:

POSTED SPEED LIMIT	MINIMUM OFFSET
40 OR LESS	15 FT
45 - 50	20 FT
55	25 FT
60 MPH or HIGHER	30 FT

TRAFFIC CONTROL DEVICES

- U) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.

- W) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- X) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES DRUMS PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

- Y) INSTALL TEMPORARY PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKERS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING	MARKER
BRIDGE DECK	REMOVABLE COLD APPLIED PLASTIC, TYPE IV	TEMPORARY RAISED
ROADWAY	PAINT	TEMPORARY RAISED

- Z) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

- AA) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

- BB) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

- CC) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION

MISCELLANEOUS

- FF) LAW ENFORCEMENT MAY BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.

- GG) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 FT AND 100 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

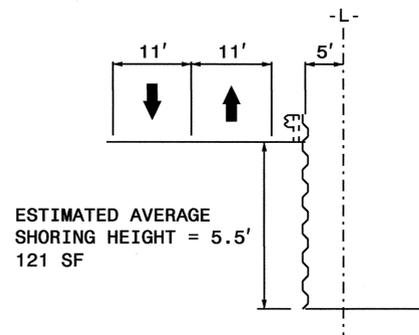
- HH) ALL WHEELCHAIR RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

- II) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).

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TEMPORARY SHORING NO. 1



ESTIMATED AVERAGE SHORING HEIGHT = 5.5'
121 SF

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DO NOT USE A TEMPORARY WALL FROM STATION 75+02.00±-L-, 5 FT. LEFT OF -L-, TO STATION 75+24.00±, 5 FT. LEFT OF -L-.

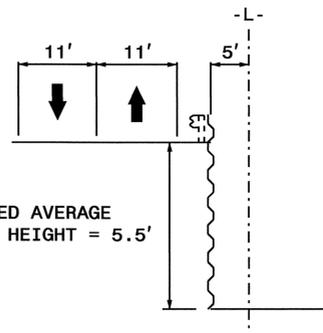
AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 75+02.00±-L-, 5 FT. LEFT OF -L-, TO STATION 75+24.00±, 5 FT. LEFT OF -L-. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

DESIGN TEMPORARY SHORING FROM STATION 75+02.00±-L-, 5 FT. LEFT OF -L-, TO STATION 75+24±, 5 FT. LEFT OF -L- FOR THE ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT, $\lambda = 120$ PCF
FRICTION ANGLE, $\phi = 30$ DEGREES
COHESION, $c = 0$ PSF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 75+02.00±-L-, 5 FT. LEFT OF -L-, TO STATION 75+24.00±, 5 FT. LEFT OF -L-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

TEMPORARY SHORING NO. 2



ESTIMATED AVERAGE SHORING HEIGHT = 5.5'
110 SF

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DO NOT USE A TEMPORARY WALL FROM STATION 77+12.00±-L-, 5 FT. LEFT OF -L-, TO STATION 77+32.00±, 5 FT. LEFT OF -L-.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 77+12.00±-L-, 5 FT. LEFT OF -L-, TO STATION 77+32.00±, 5 FT. LEFT OF -L-.

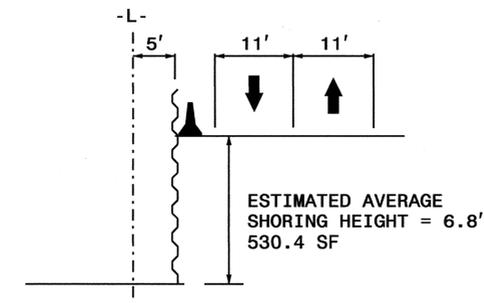
SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

DESIGN TEMPORARY SHORING FROM STATION 77+12.00±-L-, 5 FT. LEFT OF -L-, TO STATION 77+32±, 5 FT. LEFT OF -L- FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT, $\lambda = 120$ PCF
FRICTION ANGLE, $\phi = 30$ DEGREES
COHESION, $c = 0$ PSF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 77+12.00±-L-, 5 FT. LEFT OF -L-, TO STATION 77+32.00±, 5 FT. LEFT OF -L-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

TEMPORARY SHORING NO. 3



ESTIMATED AVERAGE SHORING HEIGHT = 6.8'
530.4 SF

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 77+22.00±-L-, AT -L-, TO STATION 78+00.00±, AT -L-. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

DESIGN SHORING FROM STATION 77+22.00±-L-, AT -L-, TO STATION 78+00±, AT -L- FOR THE ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

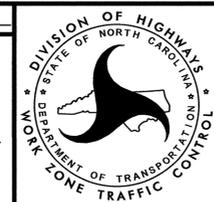
UNIT WEIGHT, $\lambda = 120$ PCF
FRICTION ANGLE, $\phi = 30$ DEGREES
COHESION, $c = 0$ PSF

WHEN BACKFILL FOR RETAINING BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 77+12.00±-L-, AT -L-, TO STATION 78+00.00±, AT -L-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

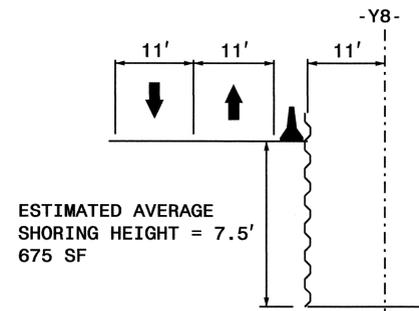
NOTE: THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO WZTC ON JANUARY 10, 2012 AND SEALED BY A PROFESSIONAL ENGINEER, JOHN S. W. FARGHER, III, P.E. 023480.

APPROVED: DATE: _____



SHORING DATA

TEMPORARY SHORING NO. 4



FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING SPECIAL PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 36+55.00±-Y8-, 11 FT. LEFT OF -Y8-, TO STATION 37+45.00±-Y8-, 11 FT. LEFT OF -Y8-.

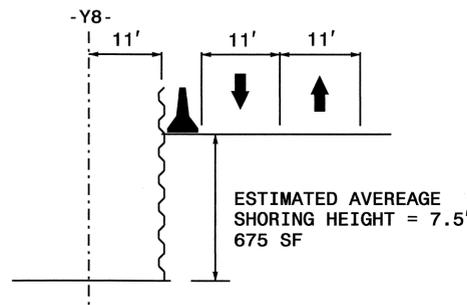
AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 36+55.00 +/- 11 FT. LEFT OF -Y8-, TO STATION 37+45.00 +/- 11 FT. LEFT OF -Y8-. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

DESIGN TEMPORARY SHORING FROM STATION 36+55.00±-Y8-, 11 FT. LEFT OF -Y8-, TO STATION 37+45±-Y8-, 11 FT. LEFT OF -Y8- FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT, $\lambda = 120$ PCF
 FRICTION ANGLE, $\phi = 30$ DEGREES
 COHESION, $c = 0$ PSF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 36+55.00±-Y8-, 11 FT. LEFT OF -Y8-, TO STATION 37+45.00±-Y8-, 11 FT. LEFT OF -Y8-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

TEMPORARY SHORING NO. 5



FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 36+55.00±-Y8-, 11 FT. RIGHT OF -Y8-, TO STATION 37+45.00±-Y8-, 11 FT. RIGHT OF -Y8-.

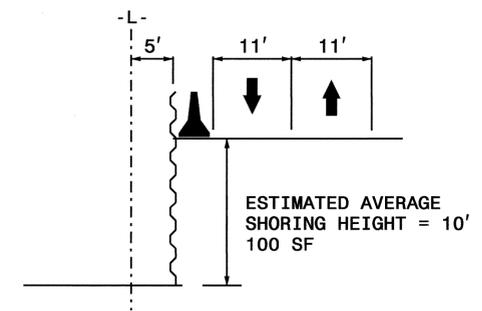
AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 36+55.00 +/- 11 FT. RIGHT OF -Y8-, TO STATION 37+45.00 +/- 11 FT. RIGHT OF -Y8-. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

DESIGN TEMPORARY SHORING FROM STATION 36+55.00±-Y8-, 11 FT. RIGHT OF -Y8-, TO STATION 37+45±-Y8-, 11 FT. RIGHT OF -Y8- FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT, $\lambda = 120$ PCF
 FRICTION ANGLE, $\phi = 30$ DEGREES
 COHESION, $c = 0$ PSF

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 36+55.00±-Y8-, 11 FT. RIGHT OF -Y8-, TO STATION 37+45.00±-Y8-, 11 FT. RIGHT OF -Y8-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

TEMPORARY SHORING NO. 6



FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM 75+02.00 +/-, AT -L-, TO STATION 75+12.00 +/-, AT -L-. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

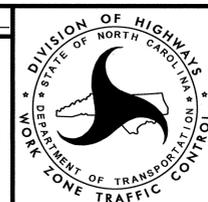
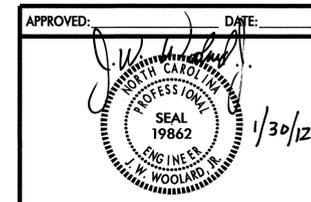
DESIGN TEMPORARY SHORING FROM STATION 75+02.00±-L-, AT -L-, TO STATION 75+12±, AT -L- FOR THE ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT, $\lambda = 120$ PCF
 FRICTION ANGLE, $\phi = 30$ DEGREES
 COHESION, $c = 0$ PSF

WHEN BACKFILL FOR RETAINING BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF THE TEMPORARY WALLS.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 75+02.00±-L-, AT -L-, TO STATION 75+12.00±, AT -L-. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

NOTE: THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO WZTC ON JANUARY 10, 2012 AND SEALED BY A PROFESSIONAL ENGINEER, JOHN S. W. FARGHER, III, P.E. 023480.



SHORING DATA

NOTE: MAINTAIN ACCESS TO ALL DRIVEWAYS WITHIN THE PROJECT LIMITS

PHASE I

STEP 1

USING RSD 1101.01 (SHEETS 1 OF 3 AND 3 OF 3), AND TMP-2C, INSTALL ALL WORK ZONE ADVANCE WARNING SIGNS ON -L- AND -Y- LINES.

STEP 2

NOTE: STEPS 2.A THROUGH 2.F MAY BE COMPLETED CONCURRENTLY

A. USING RSD 1101.02 (SHEETS 1, 2 AND 3 OF 15) AND FLAGGERS AS NEEDED, CONSTRUCT ROAD WIDENING UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE THE FOLLOWING:

RIGHT SIDE OF -L- FROM STA -L- 10+00+/- TO STA -L- 40+72.54+/- AS SHOWN ON TMP-04 AND TMP-05

-Y4- FROM TIE-IN AT -L- TO STA -Y4- 13+15.43+/- AS SHOWN ON TMP-05

RIGHT SIDE OF -L- FROM STA -L- 50+49+/- TO TIE-IN OF NEW -RPC- INCLUDING TIE-IN OF -Y7- AS SHOWN ON TMP-06 AND TMP-07

RIGHT SIDE OF -L- FROM TIE-IN OF NEW -RPD- TO TIE-IN OF -Y13- AS SHOWN ON TMP-07, TMP-10 AND TMP-11

-SR1-, -SR4-, -SR5- WHILE MAINTAINING ACCESS TO DRIVEWAYS AS SHOWN ON TMP-07 AND TMP-10

-Y10- FROM TIE-IN OF -L- TO STA -Y10- 11+20+/- AS SHOWN ON TMP-10

LEFT SIDE OF -Y13- FROM STA -Y13- 12+30.73+/- TO TIE-IN OF -L- AS SHOWN ON TMP-11

LEFT SIDE OF -L- FROM STA -L- 100+13+/- TO TIE-IN OF -Y16- AS SHOWN ON TMP-11 TO TMP-13. FOR AREA OF UNDERCUT, ONLY REMOVE MATERIAL THAT CAN BE REPLACED IN ONE WORK DAY. RETURN TRAFFIC TO EXISTING PATTERN AT THE END OF EACH WORK DAY.

CONSTRUCT WEDGING AS NEEDED TO PROVIDE A SMOOTH TRANSITION TO MAINTAIN EXISTING TRAFFIC. REPLACE EXISTING PAVEMENT MARKINGS WHERE REQUIRED AND PROVIDE TEMPORARY EDGELINE WHERE EXISTING CURB AND GUTTER HAVE BEEN REMOVED.

B. PLACE PORTABLE CONCRETE BARRIER (PCB) ON THE OUTSIDE SHOULDER OF ALL FOUR EXISTING RAMPS AS SHOWN ON TMP-07 THROUGH TMP-09. CONSTRUCT PROPOSED RAMPS A, B, C & D AS MUCH AS POSSIBLE UP TO THE EDGE AND ELEVATION OF THE EXISTING RAMPS WHILE MAINTAINING TRAFFIC ON THE EXISTING RAMPS.

C. BEHIND EXISTING GUARDRAIL BEGIN CONSTRUCTION OF -L- FROM STA -L- 74+80+/- TO BRIDGE APPROACH AND FROM BRIDGE APPROACH TO STA -L- 78+05+/- INCLUDING TEMPORARY SHORING LOCATION 1,2 AND 3 AS SHOWN ON TMP-07 TO MAINTAIN EXISTING ROADWAY AND PROPOSED ROADWAY.

D. USING RSD 1101.02 (SHEET 3 OF 15), PLACE TEMPORARY PORTABLE CONCRETE BARRIER ON -Y8- AS SHOWN ON TMP-18. CONSTRUCT STAGE 1 OF BRIDGE STRUCTURE. INSTALL TEMPORARY SHORING LOCATIONS 4 AND 5 TO MAINTAIN EXISTING ROADWAY (TMP-18). WHEN INSTALLING BRIDGE GIRDERS, MAINTAIN I-40 TRAFFIC ON EXISTING RAMPS USING LAW ENFORCEMENT.

NOTE: COMPLETE THE WORK OF PHASE I, STEP 2.E IN 45 CONSECUTIVE DAYS. SEE CONTRACT TIME AND LIQUIDATED DAMAGES.

E. USING RSD 1101.02 (SHEETS 1 AND 2 OF 15) AND TMP-17, CLOSE EXISTING BROUGHTON RD AND CONSTRUCT -Y11-, -Y12- AND -DWY1- AS SHOWN ON TMP-11. USING TMP-14, PLACE TEMPORARY PAVEMENT MARKINGS ON -Y11-, -Y12-, REMOVE TRAFFIC CONTROL DEVICES USED TO CLOSE BROUGHTON RD AND OPEN TO TRAFFIC. (REFER TO RSD 1101.03 SHEETS 1 OF 9 AND 2 OF 9 FOR ADDITIONAL DEVICES REQUIRED FOR DETOUR.)

ICT - 45 DAYS

F. USING RSD 1101.02 (SHEET 3 OF 15) AND WORKING AT NIGHT, REMOVE AND REPLACE WITH NEW PAVEMENT, EXISTING INSIDE SHOULDER OF -Y8- ON WBL FROM STA -Y8- 11+96+/- TO STA -Y8- 60+51+/- AND ON EBL FROM STA -Y8- 15+20+/- TO STA -Y8- 61+00+/- . ONLY REMOVE SHOULDER THAT CAN BE REPLACED WITHIN ONE WORK PERIOD AND RETURN TRAFFIC TO EXISTING PATTERN EACH DAY.

STEP 3

USING RSD 1101.02 (SHEET 1 OF 15) AND FLAGGERS AS NEEDED, PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-14 THROUGH TMP-16 AND PLACE TRAFFIC INTO TEMPORARY TRAFFIC PATTERN. CONSTRUCT -L- AS SHOWN ON TMP-14 THROUGH TMP-16 UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE.

NOTE: COMPLETE THE WORK OF PHASE I, STEPS 4A THROUGH 4D IN 7 CONSECUTIVE CALENDAR DAYS. SEE SPECIAL PROVISIONS FOR LIQUIDATED DAMAGES.

STEP 4

A. USING SHEET TMP-19 THRU 21 AND TMP-28 & 29, CLOSE EXISTING RAMPS B AND C TO TRAFFIC USING OFF-SITE DETOURS. USING RSD 1101.02 (SHEET 3 OF 15), PLACE TEMPORARY MARKINGS, MARKERS AND PCB AS SHOWN ON TMP-19 THRU 21. PLACE EXISTING SIGNAL ON FLASH MODE AS DIRECTED BY THE ENGINEER AND SHIFT TRAFFIC ONTO NEW PATTERN ON -Y8- (I-40). CONSTRUCT TIE-INS OF -RPB- AND -RPC- TO -Y8- (I-40) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

B. USING RSD 1101.02 (SHEETS 1, 2, & 3) AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS ON -RPB- AND -RPC- AS SHOWN ON TMP-22 THRU 24. PLACE TEMPORARY PAVEMENT MARKINGS ON -Y8- EB AS SHOWN ON TMP-23 & 24.

C. INSTALL TEMPORARY SIGNAL AT THE -L-, -RPB-, -RPC- INTERSECTION AS SHOWN IN THE SIGNAL PLANS.

D. REMOVE DETOUR OF RAMP B AND RAMP C, REMOVE PCB, ACTIVATE TEMPORARY SIGNAL AND PLACE TRAFFIC IN NEW TRAFFIC PATTERN SHOWN ON TMP-22.

NOTE: PHASE I, STEPS 5 AND 6 MAY BE PERFORMED CONCURRENTLY

STEP 5

USING RSD 1101.02 (SHEETS 1, 2 & 3), CONSTRUCT -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 73+35 -L- TO STA. 74+80 -L-.

NOTE: COMPLETE THE WORK OF PHASE I, STEPS 6A THROUGH 6D IN 7 CONSECUTIVE CALENDAR DAYS. SEE SPECIAL PROVISIONS FOR LIQUIDATED DAMAGES.

STEP 6

A. USING SHEET TMP-22 THRU 24 AND TMP 28 & 29, CLOSE EXISTING RAMPS A AND D TO TRAFFIC USING OFF-SITE DETOURS. USING RSD 1101.02 (SHEET 3 OF 15), PLACE TEMPORARY MARKINGS, MARKERS AND PCB AS SHOWN ON TMP-22 THRU 24. PLACE EXISTING SIGNAL ON FLASH MODE AS DIRECTED BY THE ENGINEER AND SHIFT TRAFFIC ONTO NEW PATTERN ON -Y8- (I-40). CONSTRUCT TIE-INS OF -RPA- AND -RPD- TO -Y8- (I-40) UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

B. USING RSD 1101.02 (SHEETS 1, 2, & 3) AS NECESSARY, PLACE TEMPORARY PAVEMENT MARKINGS ON -RPA- AND -RPD- AS SHOWN ON TMP-25 THRU 27. PLACE TEMPORARY PAVEMENT MARKINGS ON -Y8- WB AS SHOWN ON TMP-26 & 27.

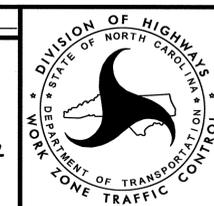
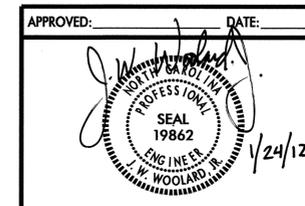
C. INSTALL TEMPORARY SIGNAL AT THE -L-, -RPA-, -RPD- INTERSECTION AS SHOWN IN THE SIGNAL PLANS.

D. REMOVE DETOUR OF RAMP A AND RAMP D, REMOVE PCB, ACTIVATE TEMPORARY SIGNAL AND PLACE TRAFFIC IN NEW TRAFFIC PATTERN SHOWN ON TMP-25.

ICT - 7 DAYS

ICT - 7 DAYS

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PHASING

STEP 7

USING RSD 1101.02 (SHEETS 1, 2 & 3), CONSTRUCT -L- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 78+05 -L- TO STA. 79+10 -L-.

*NOTE: UPON SETTING CABINETS AND CONTROLLERS IN TMP PHASE I, INSTALL AND TERMINATE FIBER OPTIC COMMUNICATIONS CABLE AND MAKE THE SYSTEM OPERATIONAL.

PHASE II

STEP 1

USING RSD 1101.02 (SHEET 1, 2 AND 3 OF 15) AND FLAGGERS AS NEEDED:

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -L- AS SHOWN ON TMP-30 THROUGH TMP-38.

SHIFT TRAFFIC ONTO NEW TEMPORARY TRAFFIC PATTERN ON -L- AS SHOWN ON TMP-30 THROUGH TMP-38.

STEP 2

NOTE: STEP 2.A THROUGH STEP 2.D MAY BE COMPLETED CONCURRENTLY

A. USING RSD 1101.02 (SHEET 1 OF 15 AND 2 OF 9) AND FLAGGERS AS NEEDED, CONSTRUCT UP TO BUT NOT INCLUDING FINAL LAYER OF SURFACE COURSE THE FOLLOWING:

LEFT SIDE OF -L- FROM STA -L- 10+00+/- TO STA -L- 100+13+/- AS SHOWN ON TMP-30 THROUGH TMP-36. WHEN INSTALLING GIRDERS OVER I-40, RUN I-40 TRAFFIC ON THE NEW RAMPS USING LAW ENFORCEMENT. INSTALL TEMPORARY SHORING LOCATION 6 AS NEEDED AT END BENTS TO MAINTAIN TRAFFIC ON NEW ROADWAY.

TIE-INS OF -Y1-, -Y2-, -Y6-, -Y9-, AND DRIVEWAYS AS SHOWN ON TMP-30 THROUGH TMP-38.

-Y3- FROM STA -Y3- 11+04.98+/- TO TIE-IN OF -L- AS SHOWN ON TMP-36.

RIGHT SIDE OF -Y13- FROM STA -Y13- 12+30.73+/- TO TIE-IN OF -L- AS SHOWN ON TMP-32.

RIGHT SIDE OF -L- FROM TIE-IN OF -Y13- TO TIE-IN OF -Y16- (STERLING ST) AS SHOWN ON TMP-36 THROUGH TMP-38. INCLUDE TIE-IN OF -Y14- AS SHOWN ON TMP-36.

NOTE: COMPLETE THE WORK OF PHASE II STEP 2.B BETWEEN 8:00 PM FRIDAY AND 6:00 AM MONDAY. SEE SPECIAL PROVISIONS FOR LIQUIDATED DAMAGES.

B. WORKING IN A CONTINUOUS MANNER, CLOSE EXISTING -Y5- TO TRAFFIC USING DETOUR SHOWN ON TMP-32, AND CONSTRUCT TIE-IN OF -Y5- UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE AS SHOWN ON TMP-32. REMOVE TRAFFIC CONTROL DEVICES USED FOR DETOUR AND OPEN -Y5 TO TRAFFIC.

ICT - 1 WEEKEND

ICT - 7 DAYS

NOTE: COMPLETE THE WORK OF PHASE II STEP 2.C IN 7 DAYS. SEE SPECIAL PROVISIONS FOR LIQUIDATED DAMAGES.

C. WORKING IN A CONTINUOUS MANNER, CLOSE -Y15- (SHADY REST RD) TO TRAFFIC USING DETOUR SHOWN ON TMP-37, AND CONSTRUCT TIE-IN OF -Y15- UP TO, BUT NOT INCLUDING, FINAL LAYER OF SURFACE COURSE AS SHOWN ON TMP-37. PLACE TEMPORARY PAVEMENT MARKINGS AS SHOWN ON TMP-37 USING RSD 1101.2 (SHEET 1 OF 18) AND FLAGGERS AS NEEDED. REMOVE TRAFFIC CONTROL DEVICES USED FOR DETOUR AND OPEN -Y15- TO TRAFFIC. (REFER TO RSD 1101.03 SHEETS 1 OF 9 AND 2 OF 9 FOR ADDITIONAL DEVICES REQUIRED FOR DETOUR.)

D. CONSTRUCT STAGE 2 OF BENT 1 AND COMPLETE CONSTRUCTION OF NEW SHOULDERS ON -Y8- AS SHOWN ON TMP-39. UPON COMPLETION OF WORK ON -Y8- SHOWN ON TMP-28 USE RSD 1101.02 (SHEET 3 OF 15) TO REMOVE TEMPORARY PORTABLE CONCRETE BARRIER.

PHASE III

STEP 1

USING RSD 1101.02 (SHEETS 1 OF 15 AND 2 OF 15) AND FLAGGERS AS NEEDED PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS AS SHOWN ON TMP-40 THROUGH TMP-47. PLACE TRAFFIC INTO NEW TRAFFIC PATTERN.

STEP 2

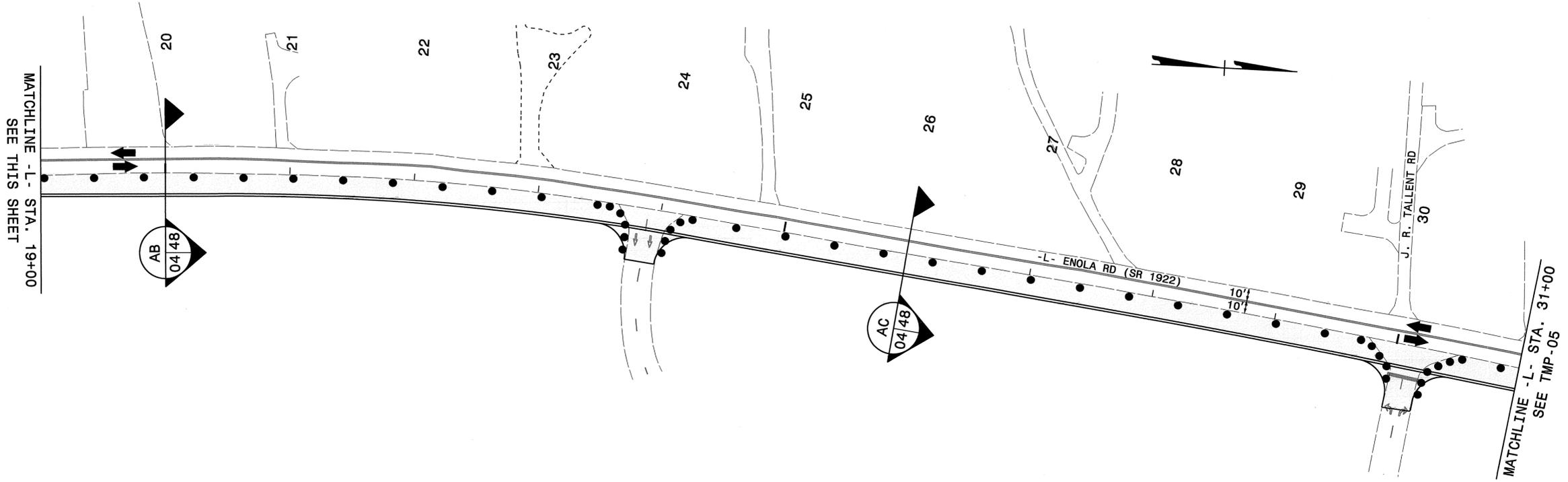
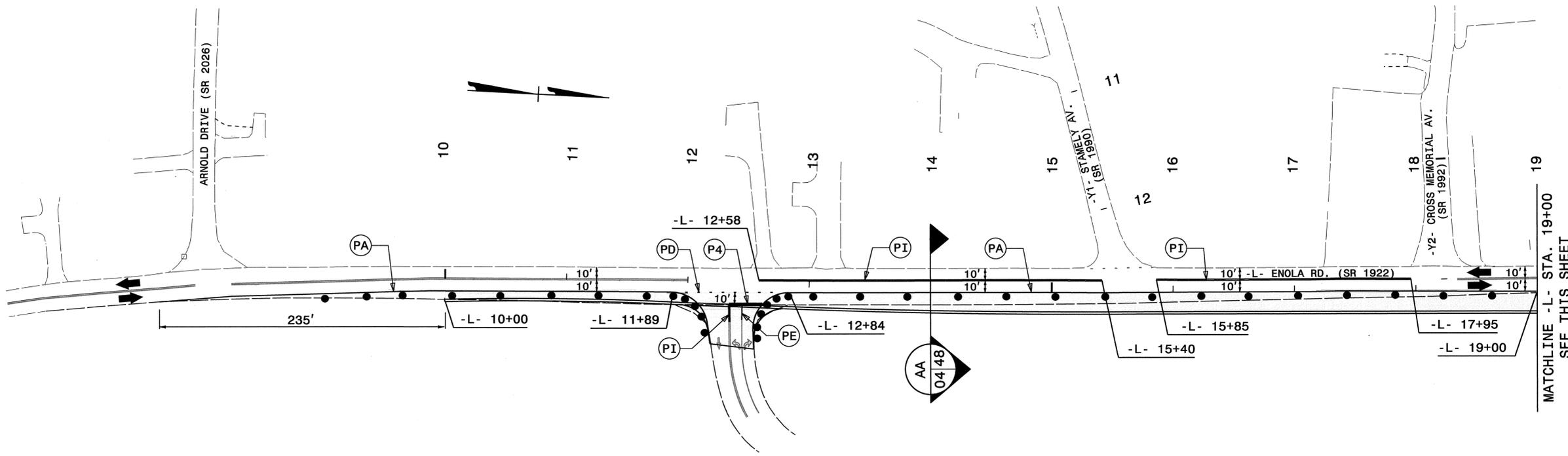
USING RSD 1101.02 (SHEET 3 OF 15), CONSTRUCT MEDIANS AND CLOSE TEMPORARY MEDIAN CROSSOVERS AS SHOWN ON TMP-42 THROUGH TMP-47.

STEP 3

USING RSD 1101.02 (SHEETS 1 OF 15, 2 OF 15 AND 3 OF 15) AND FLAGGERS AS NEEDED, CONSTRUCT FINAL SURFACE COURSE, PLACE FINAL PAVEMENT MARKINGS AND MARKERS, AND PLACE TRAFFIC INTO FINAL PATTERN.

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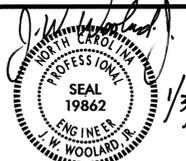
MATCHLINE - L- STA. 19+00
SEE THIS SHEET

MATCHLINE - L- STA. 31+00
SEE TMP-05

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

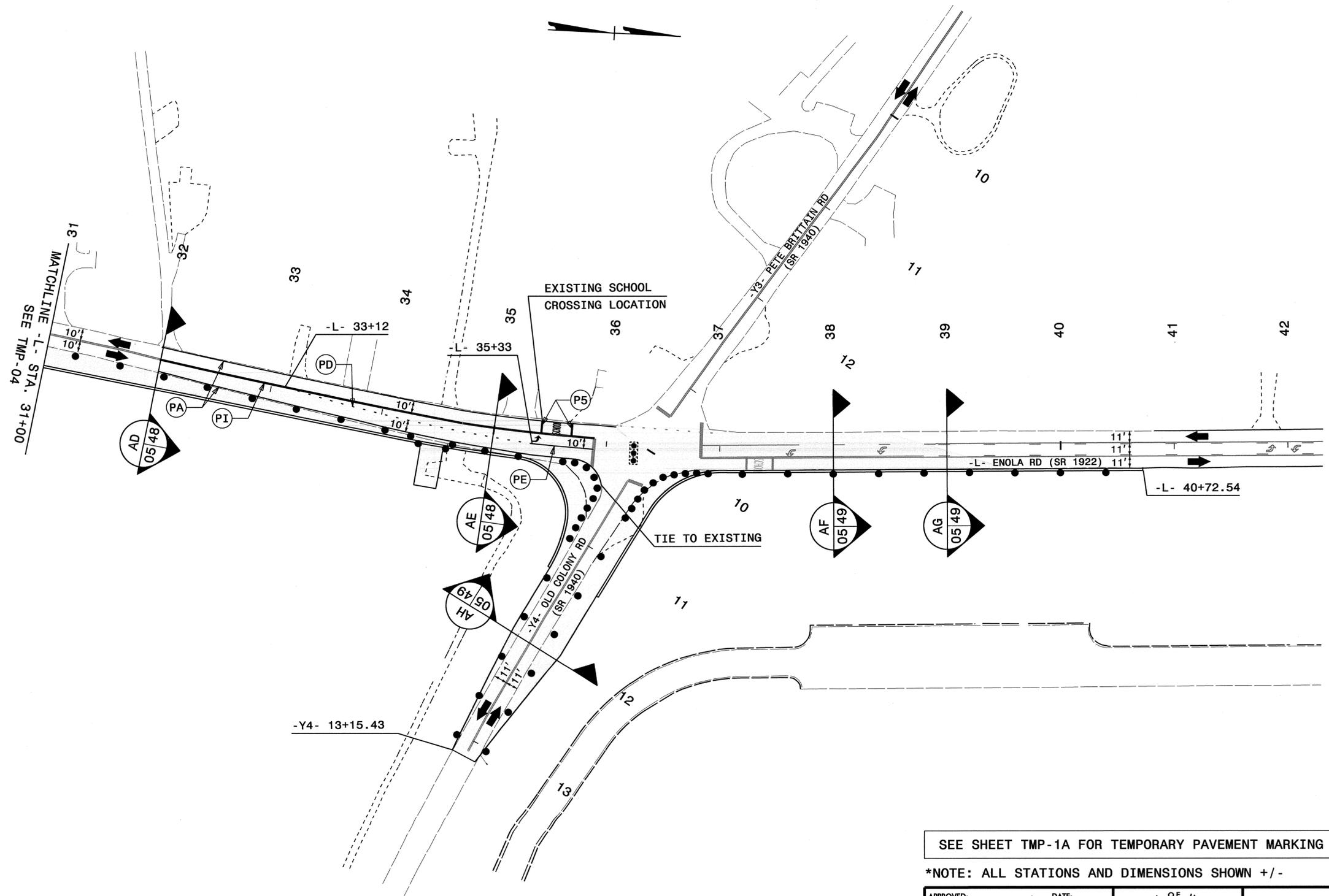
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE I PLAN

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SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

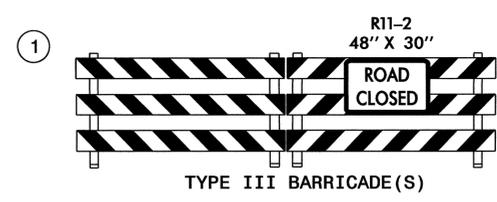
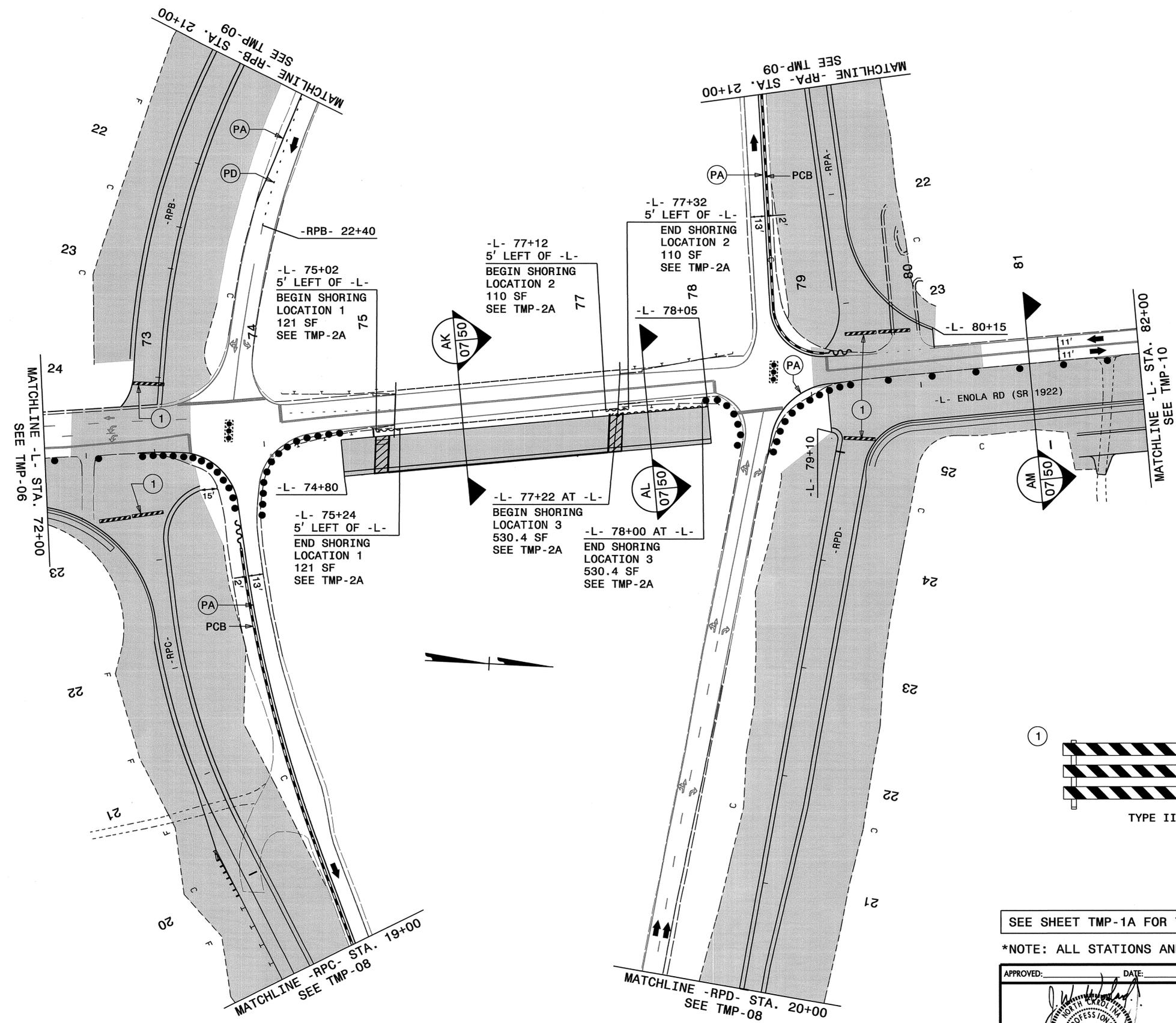
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PROFESSIONAL SEAL 19862 ENGINEER J.W. WOOLARD JR.



PHASE I PLAN

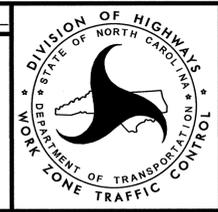
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 idonaldson AT T237459



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

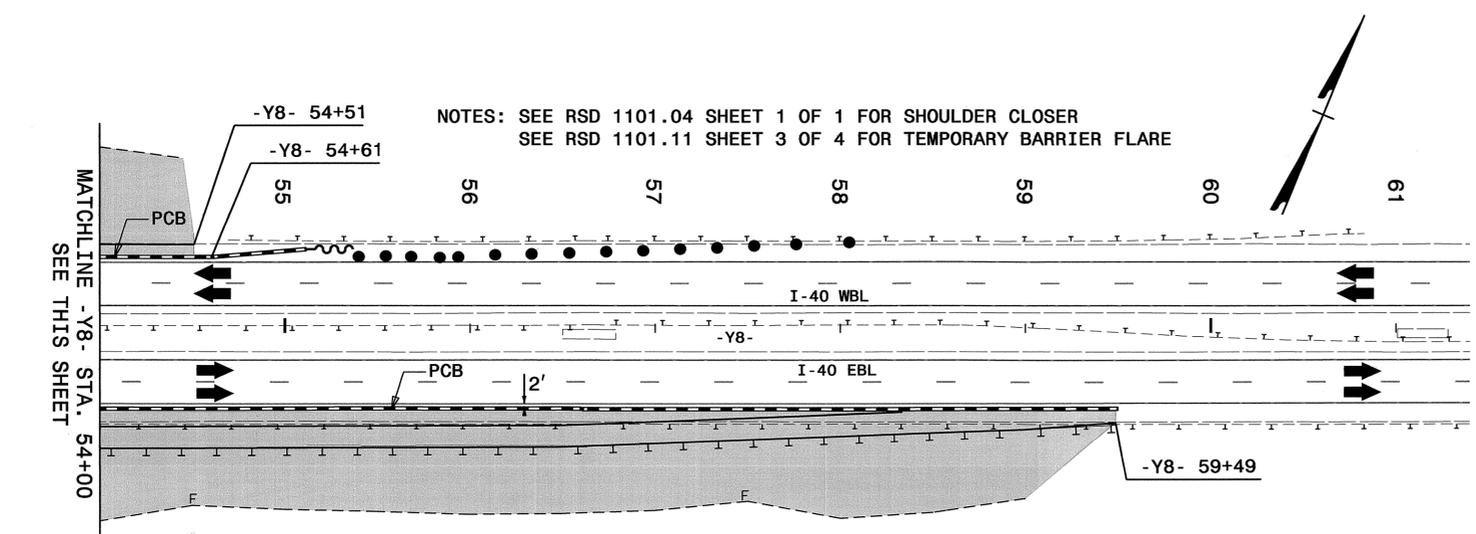
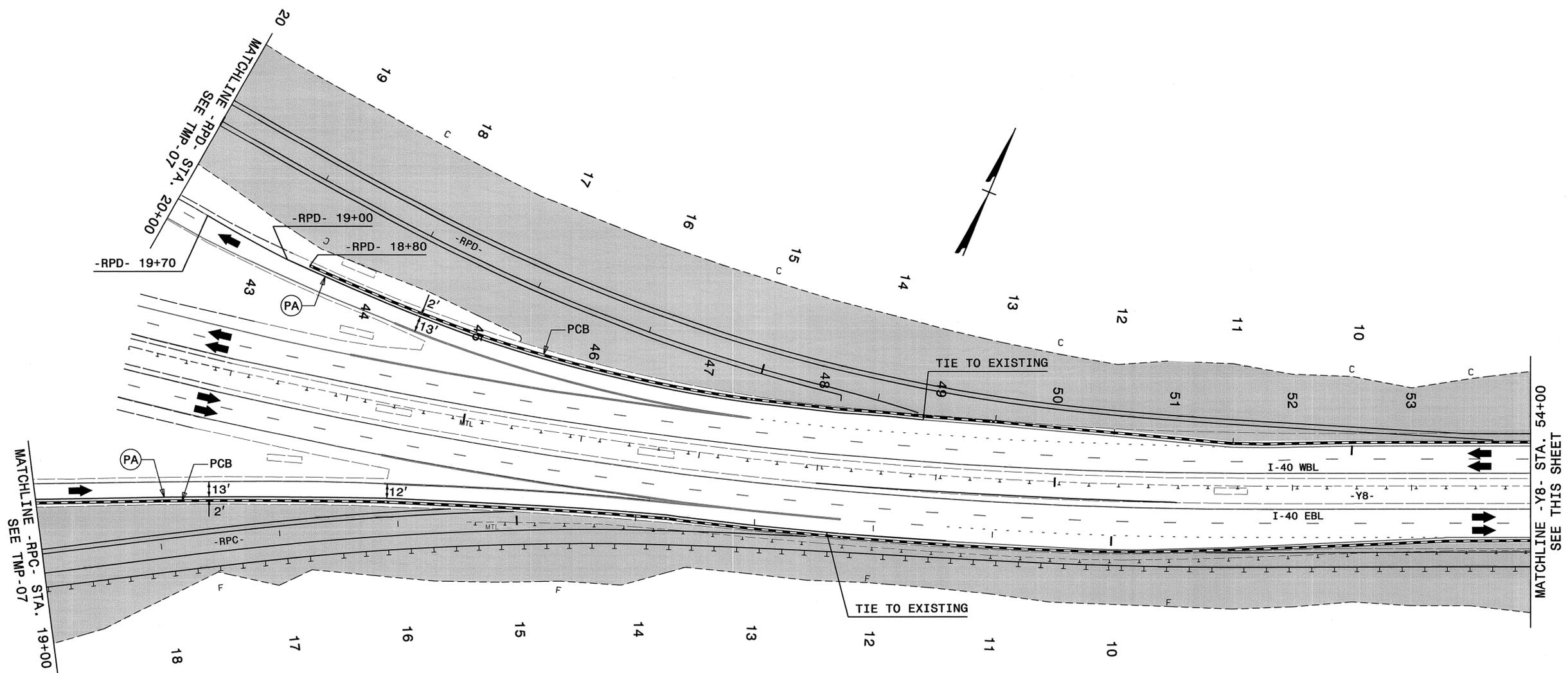
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

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PHASE I PLAN

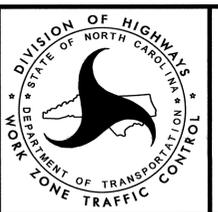
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 jwoolard AT TE244740



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

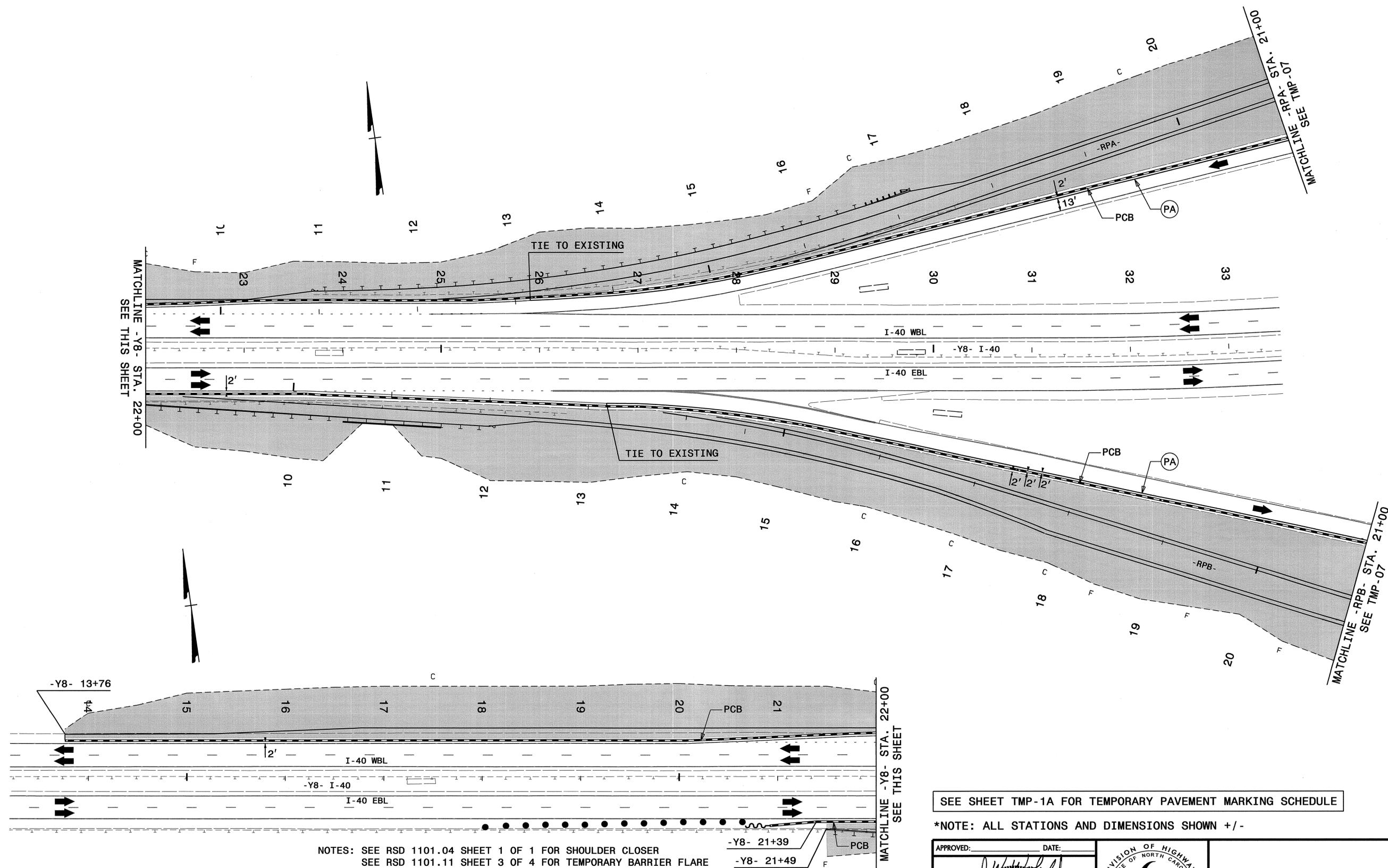
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

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PHASE I PLAN

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NOTES: SEE RSD 1101.04 SHEET 1 OF 1 FOR SHOULDER CLOSER
SEE RSD 1101.11 SHEET 3 OF 4 FOR TEMPORARY BARRIER FLARE

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

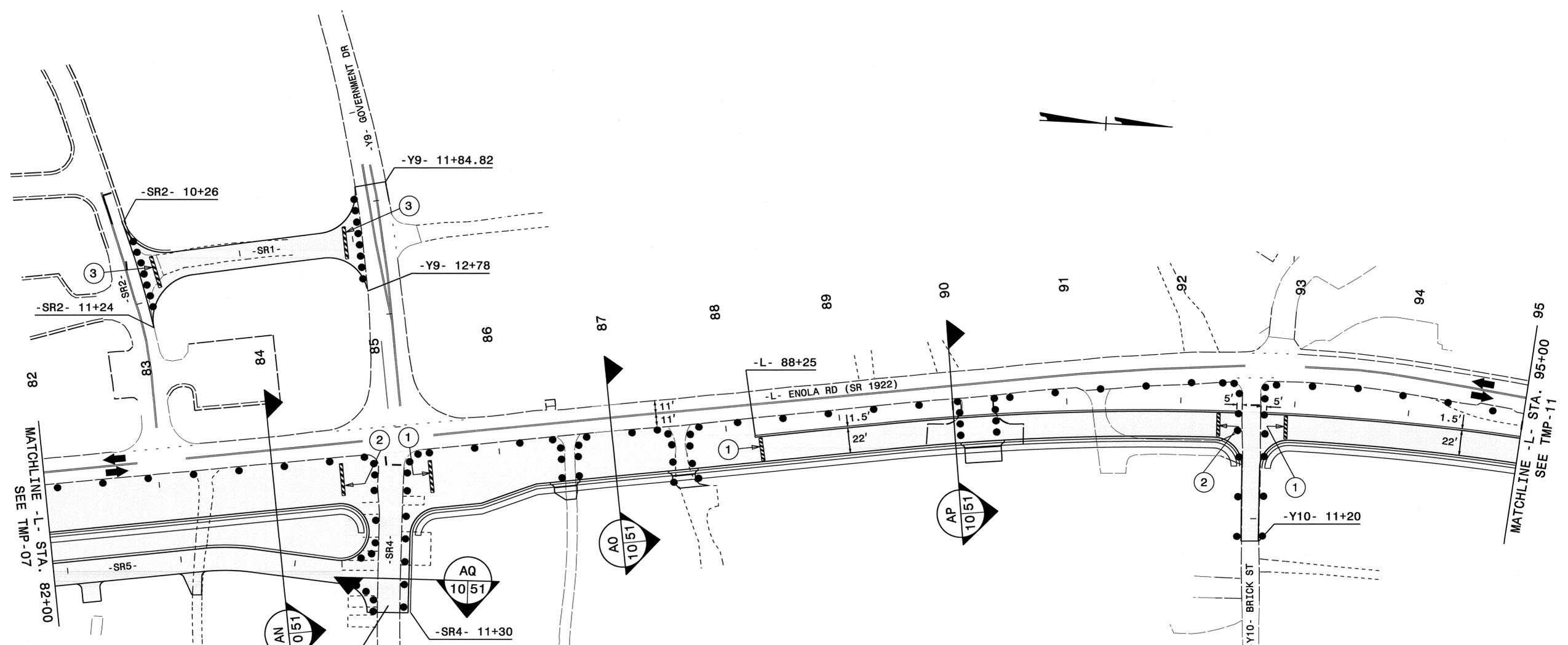
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1/3/12

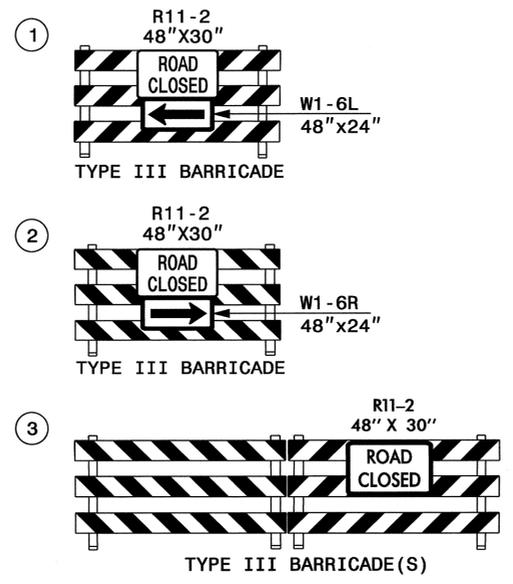


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 J.W. WOOLARD, P.E.
 AT 1237459



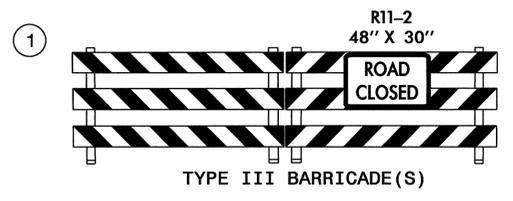
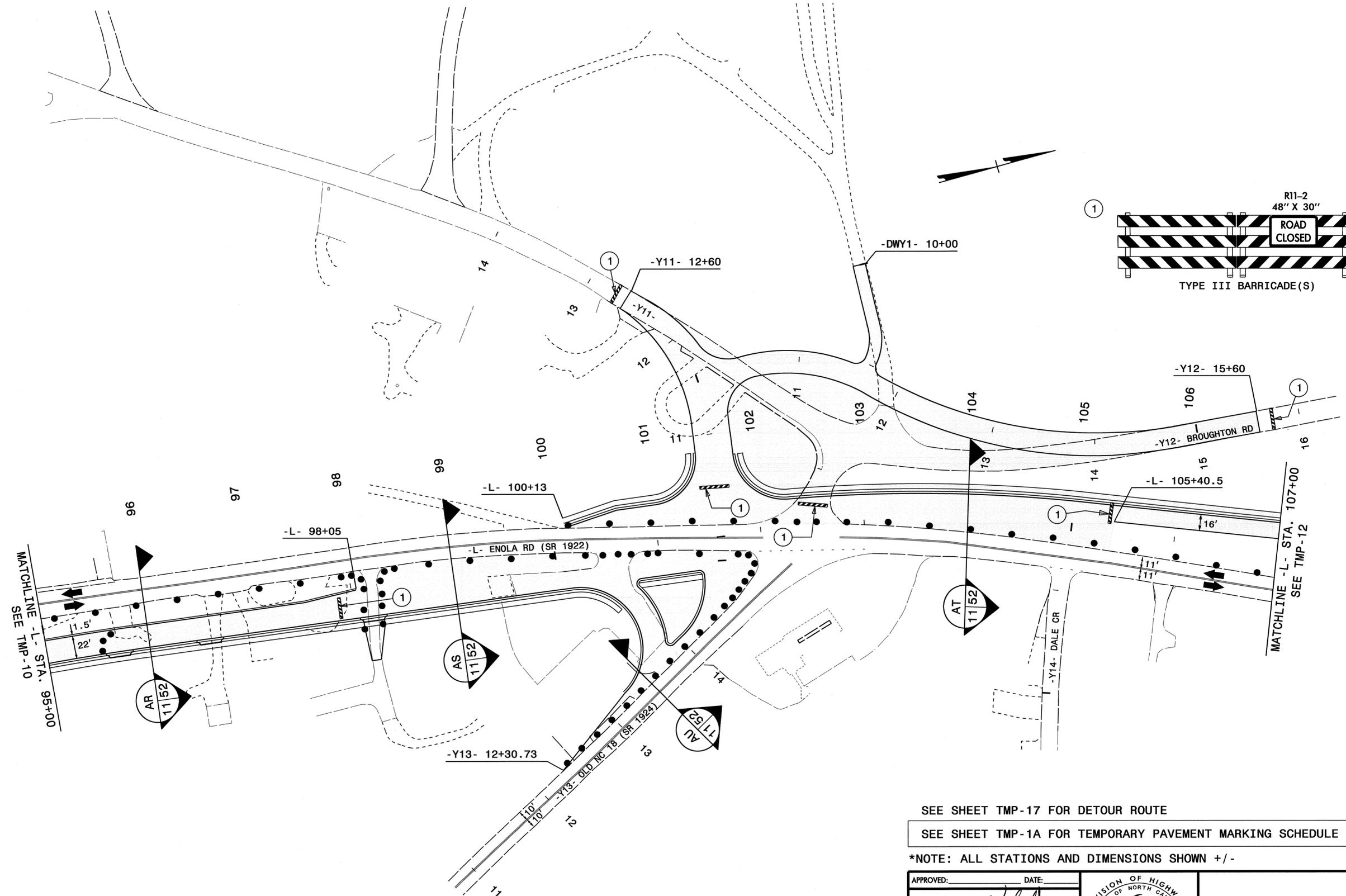
NOTE: MAINTAIN TRAFFIC ON EXISTING -SR4- DURING CONSTRUCTION



*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

30-DEC-2011 14:03
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 idonaldson AT 12:37:45

APPROVED: _____ DATE: _____			<h1>PHASE I PLAN</h1>



SEE SHEET TMP-17 FOR DETOUR ROUTE
 SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

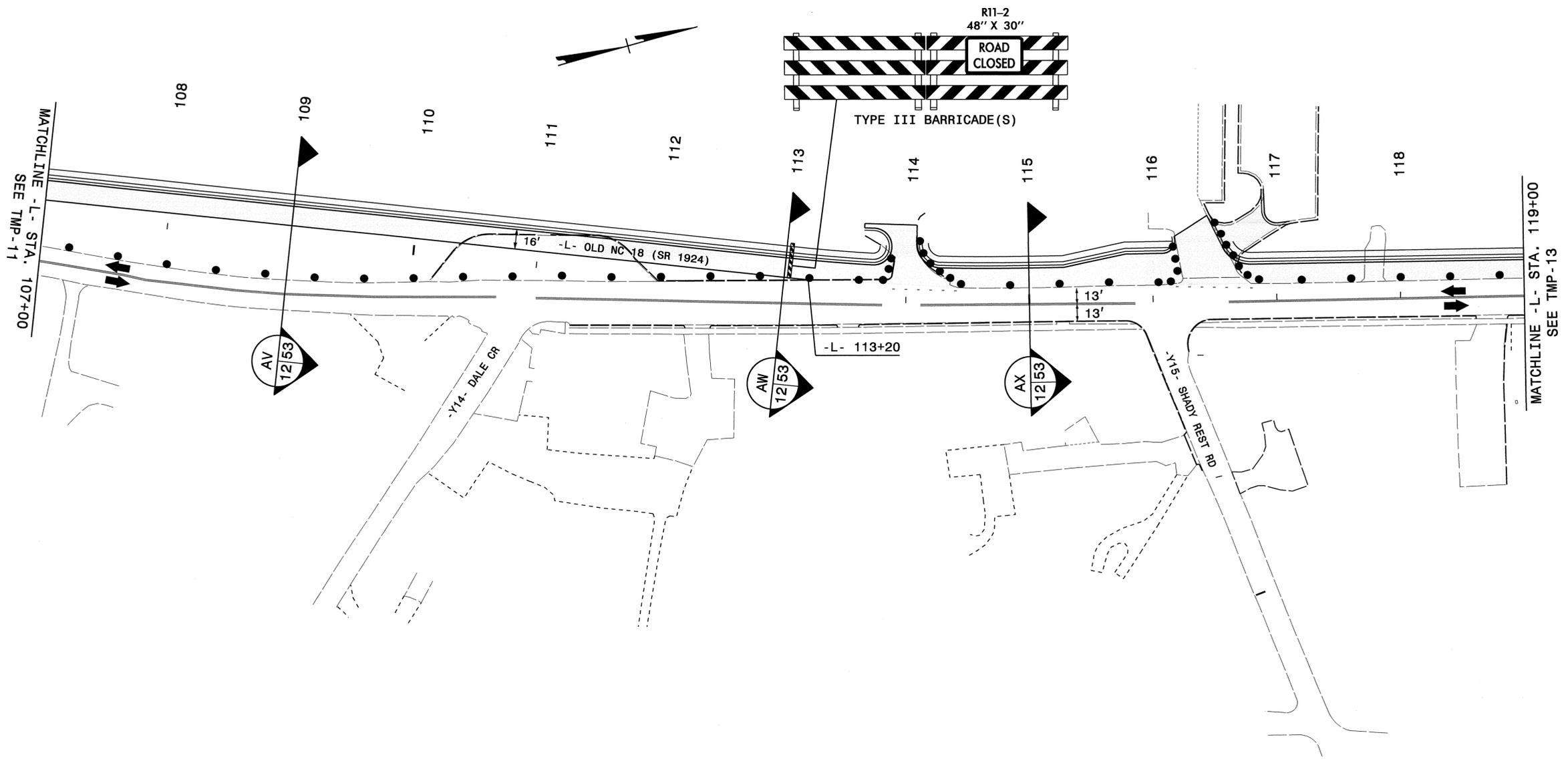
APPROVED: *[Signature]* DATE: 1/3/12

PROFESSIONAL SEAL
 19862
 ENGINEER
 J.W. WOOLARD JR.



PHASE I PLAN

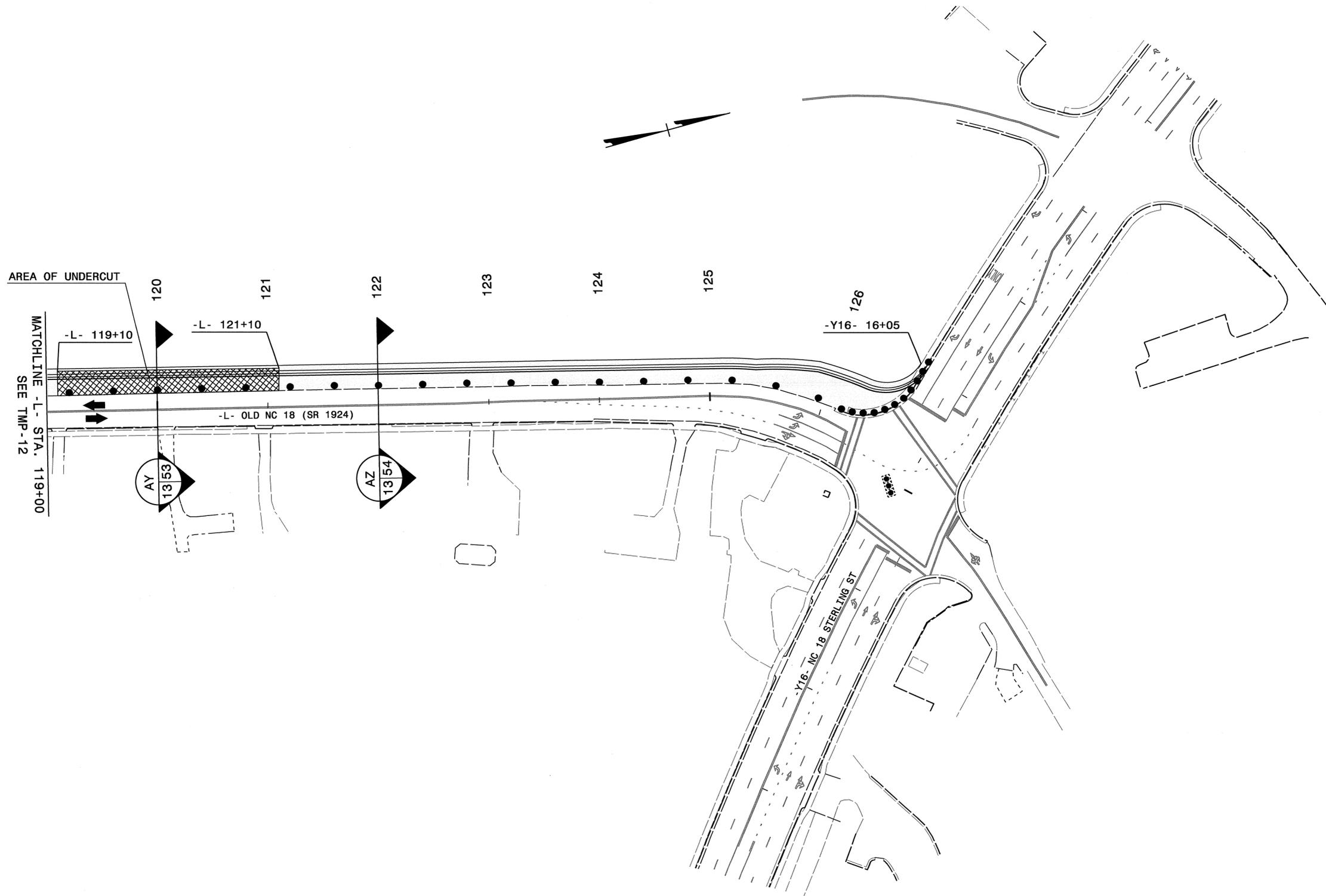
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 idonaldson AT T237459



30-DEC-2011 4:01
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 idonidson AT 12/31/11

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED:  	DATE: 1/3/12		<p style="text-align: center; font-size: 24pt; font-weight: bold;">PHASE I PLAN</p>
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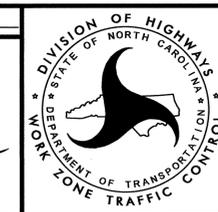
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

J. Woolard Jr.

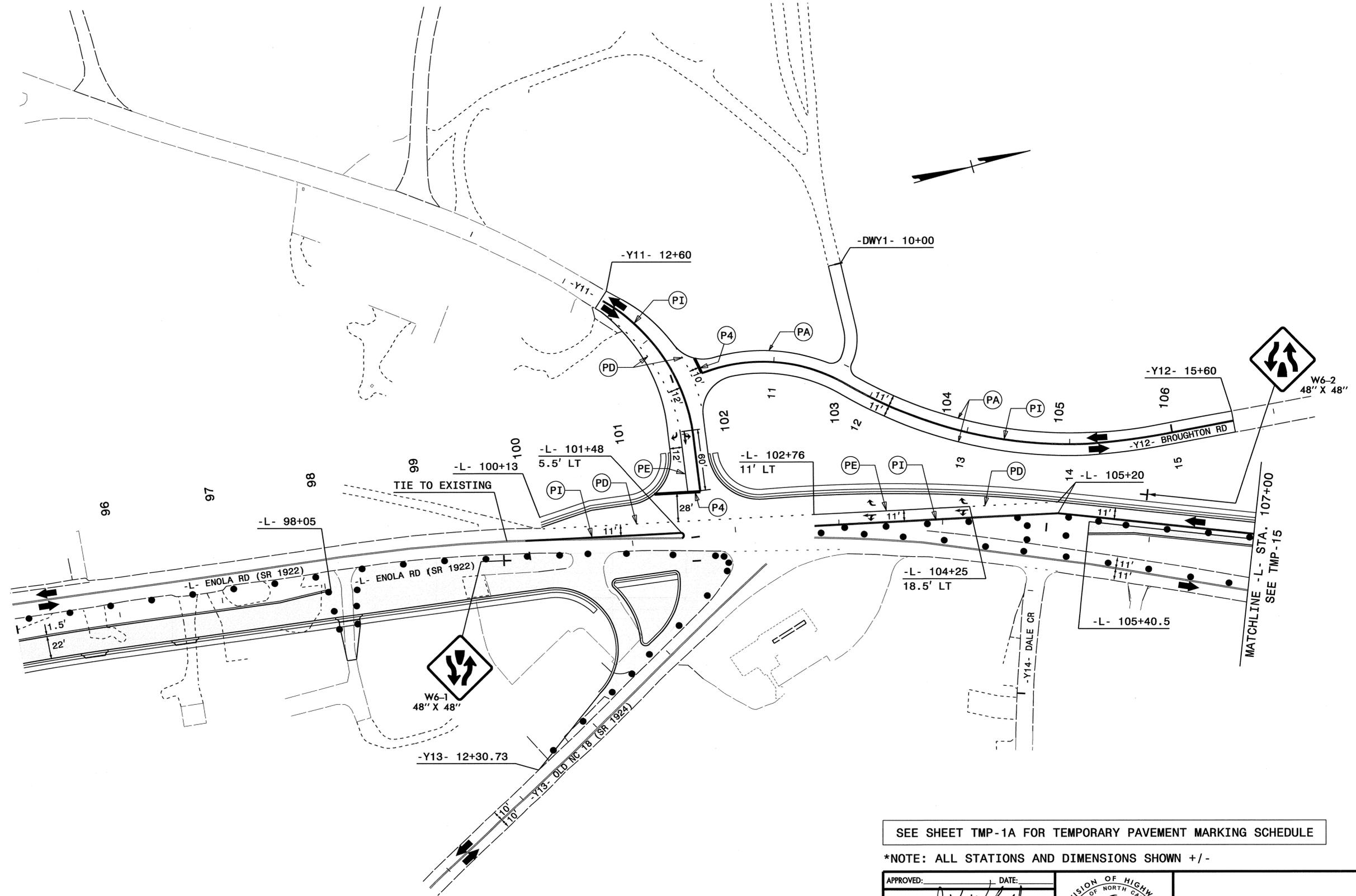
PROFESSIONAL SEAL
19862
ENGINEER
J.W. WOOLARD JR.

1/3/12



PHASE I PLAN

30-DEC-2011 13:57
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 idonaldson AT TE237459



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

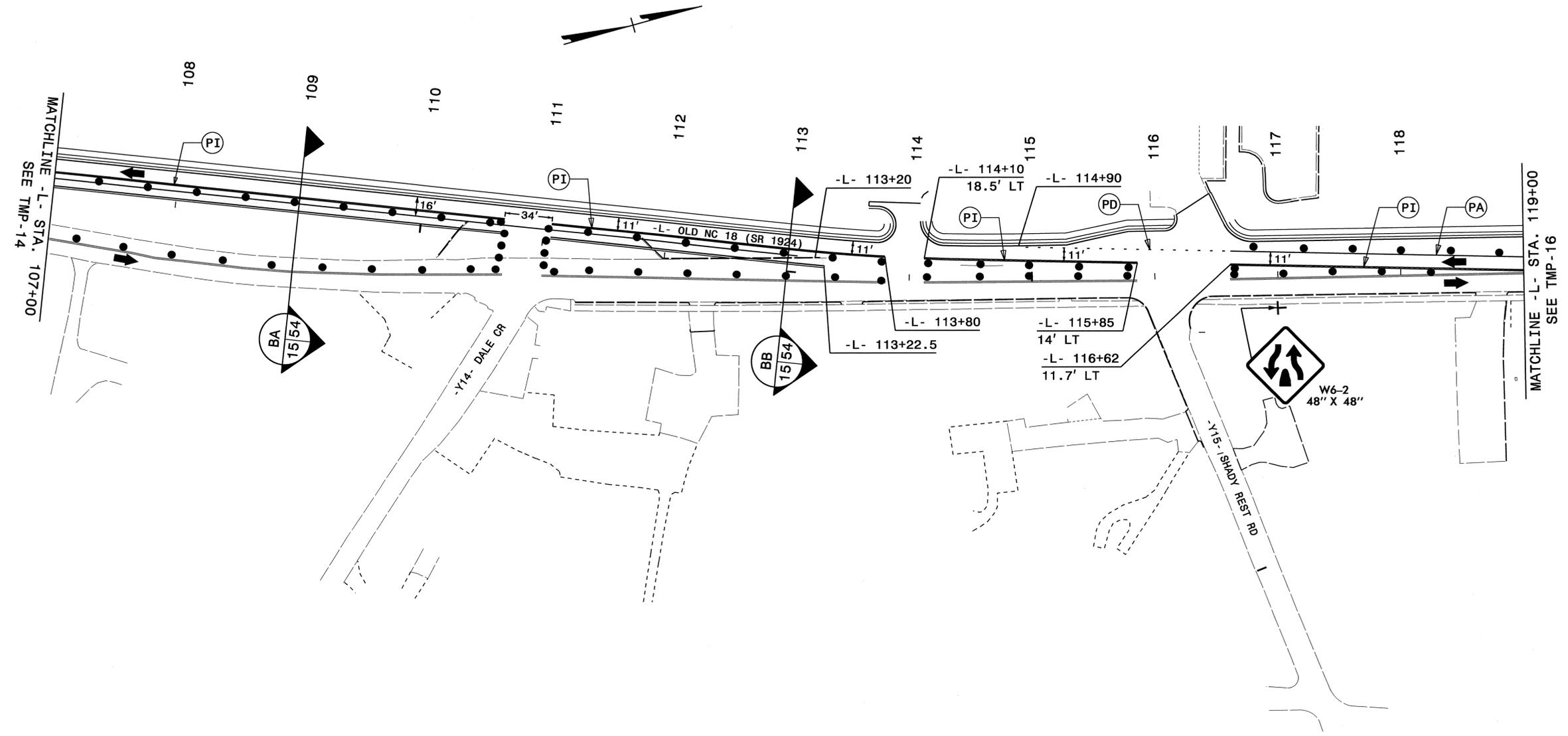
APPROVED:  DATE: 1/3/12

PROFESSIONAL SEAL
19862
ENGINEER
J.W. WOOLARD, JR.



PHASE I, STEP 3

30-DEC-2011 13:56 \\dot\dfsroot\proj\TIP\Projects-U\2551\TrafficControl\U-2551-TC-TMP-TMP-14-PHASE-01.dgn idonaldson AT 12/31/11



30-DEC-2011 13:55
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 idonaldson AT T237459

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

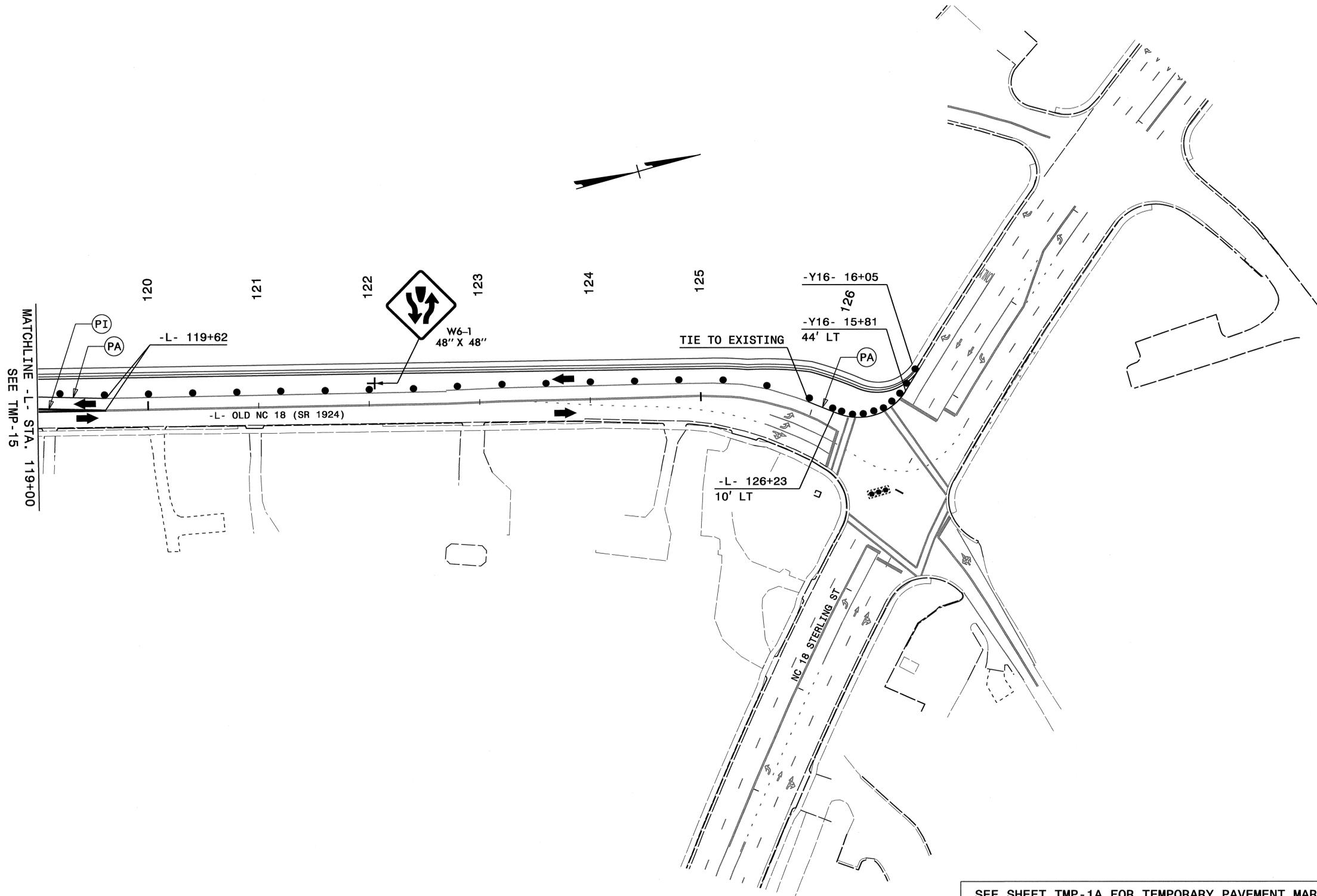
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

1/3/12



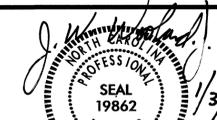
PHASE I, STEP 3



30-DEC-2011 13:54
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 idonaldson AT TE237459

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED:  DATE: 1/3/12





PHASE I, STEP 3

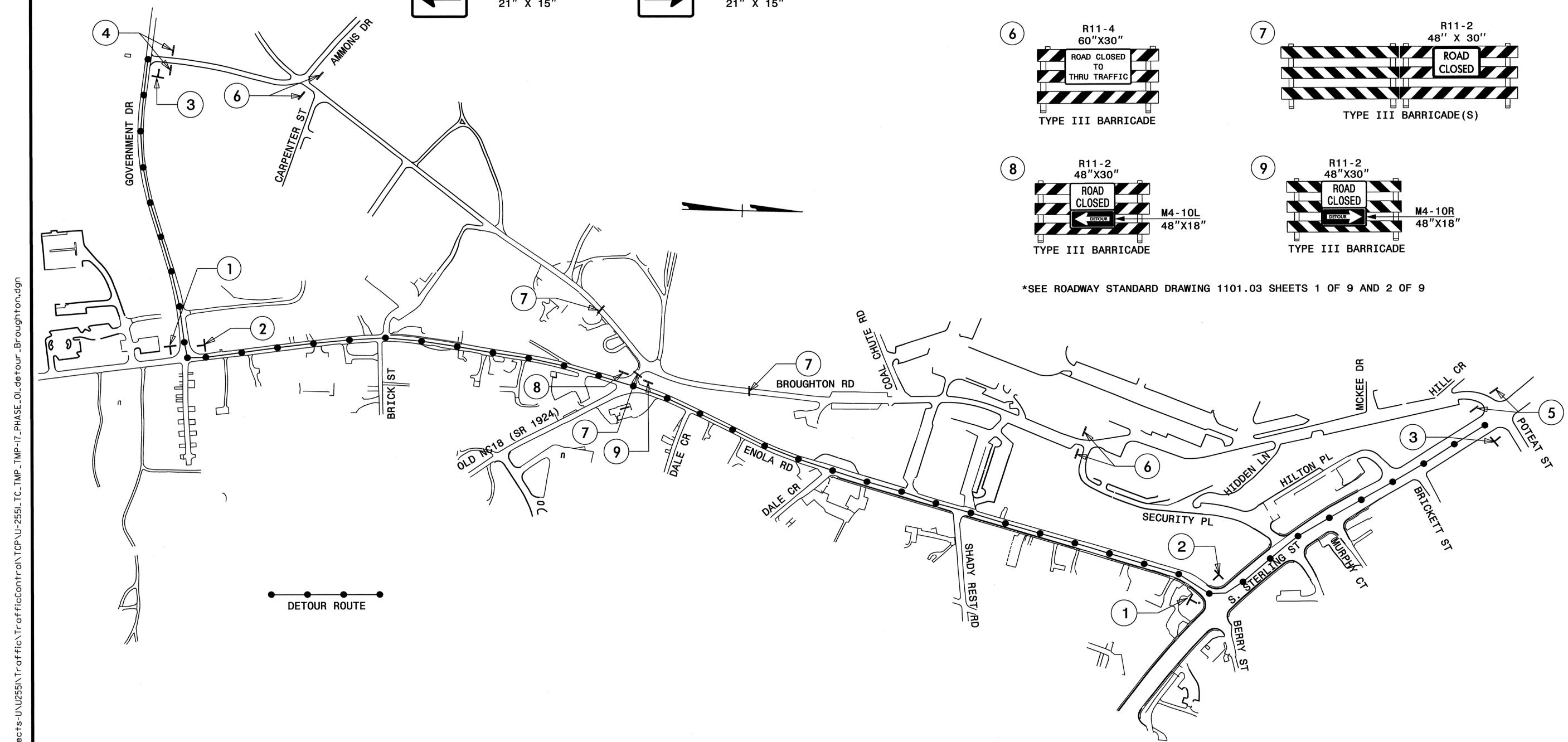
- ① **BROUGHTON ROAD** SP11288 48" x 24"
DETOUR M4-8 24" x 12"
M6-1 21" x 15" ←
- ② **BROUGHTON ROAD** SP11288 48" x 24"
DETOUR M4-8 24" x 12"
M6-1 21" x 15" →
- ③ **END DETOUR** M4-8 A 24" x 18"

- ④ R11-3 60"X30"
ROAD CLOSED
XX MILES AHEAD
LOCAL TRAFFIC ONLY
DETOUR → M4-10R 48"X18"
TYPE III BARRICADE
- ⑤ R11-3 60"X30"
ROAD CLOSED
XX MILES AHEAD
LOCAL TRAFFIC ONLY
DETOUR → M4-10L 48"X18"
TYPE III BARRICADE

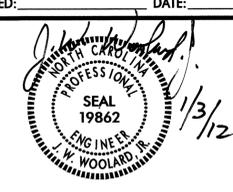
- ⑥ R11-4 60"X30"
ROAD CLOSED
TO THRU TRAFFIC
TYPE III BARRICADE
- ⑦ R11-2 48" X 30"
ROAD CLOSED
TYPE III BARRICADE(S)

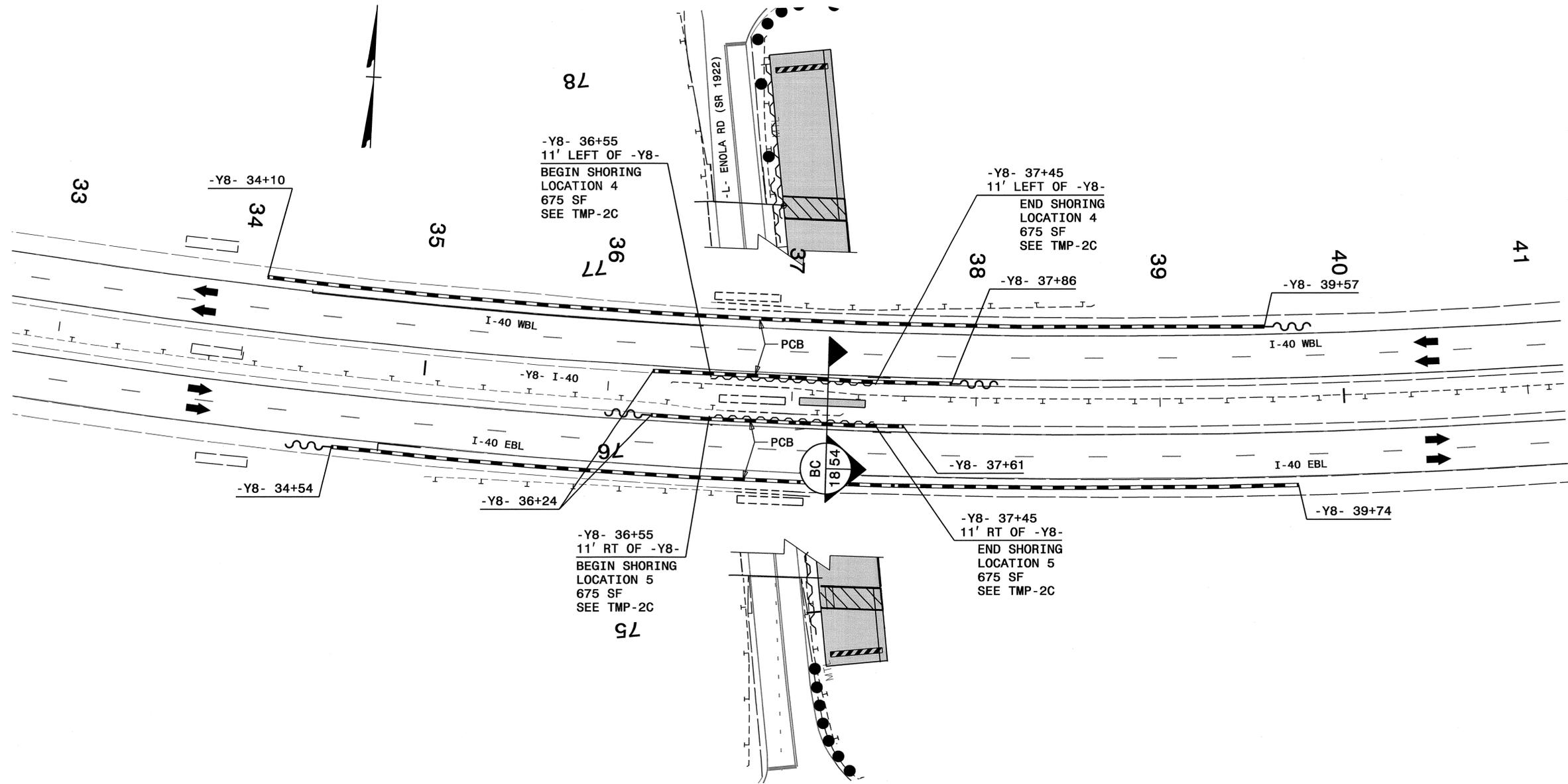
- ⑧ R11-2 48"X30"
ROAD CLOSED
DETOUR ← M4-10L 48"X18"
TYPE III BARRICADE
- ⑨ R11-2 48"X30"
ROAD CLOSED
DETOUR → M4-10R 48"X18"
TYPE III BARRICADE

*SEE ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 OF 9 AND 2 OF 9



30-DEC-2011 13:53
 \\dot\dfsroot\01\prj\01\TIPPrj\objects-U\U2551\TrafficControl\TCP\U-2551.TC.TMP_TMP-17.PHASE_01.detour-Broughton.dgn
 idonaldson AT TE237459

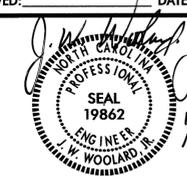
APPROVED:  DATE: 1/3/12		<h2>BROUGHTON RD DETOUR</h2>
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SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

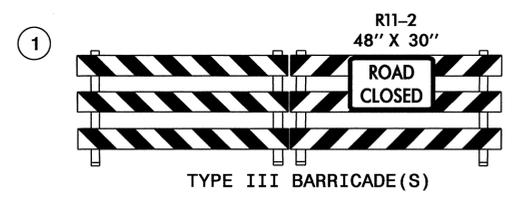
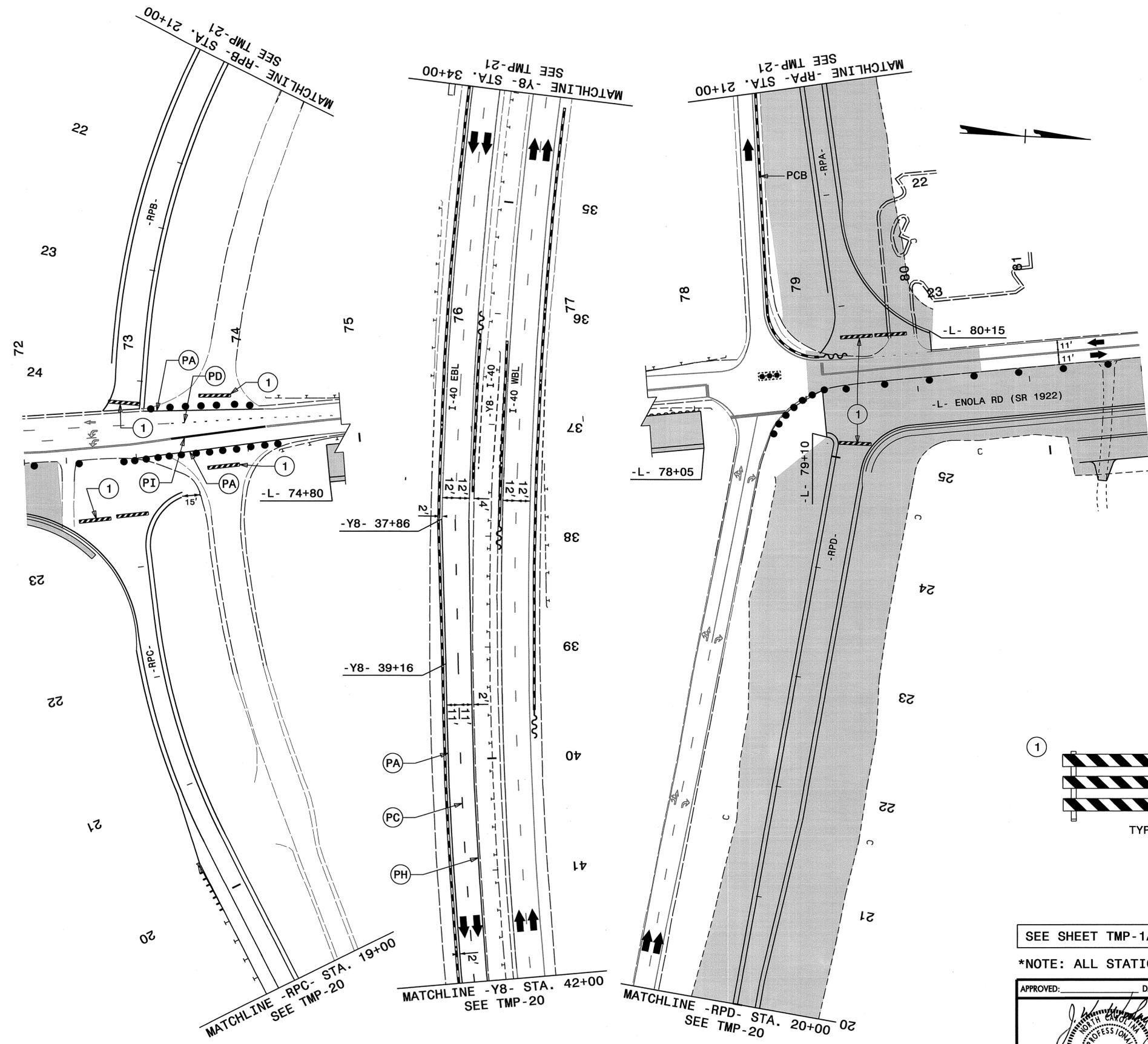
APPROVED:  DATE: 1/10/12





PHASE I PLAN

IO- JAN-2012 09:28
 \\cdt\dfs\ro\010\Proj\TIP\Projects-U\2551\TrafficControl\U-2551-TC-TMP-TMP-18-PHASE-01.dgn
 Idonaldson AT 1E231459



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

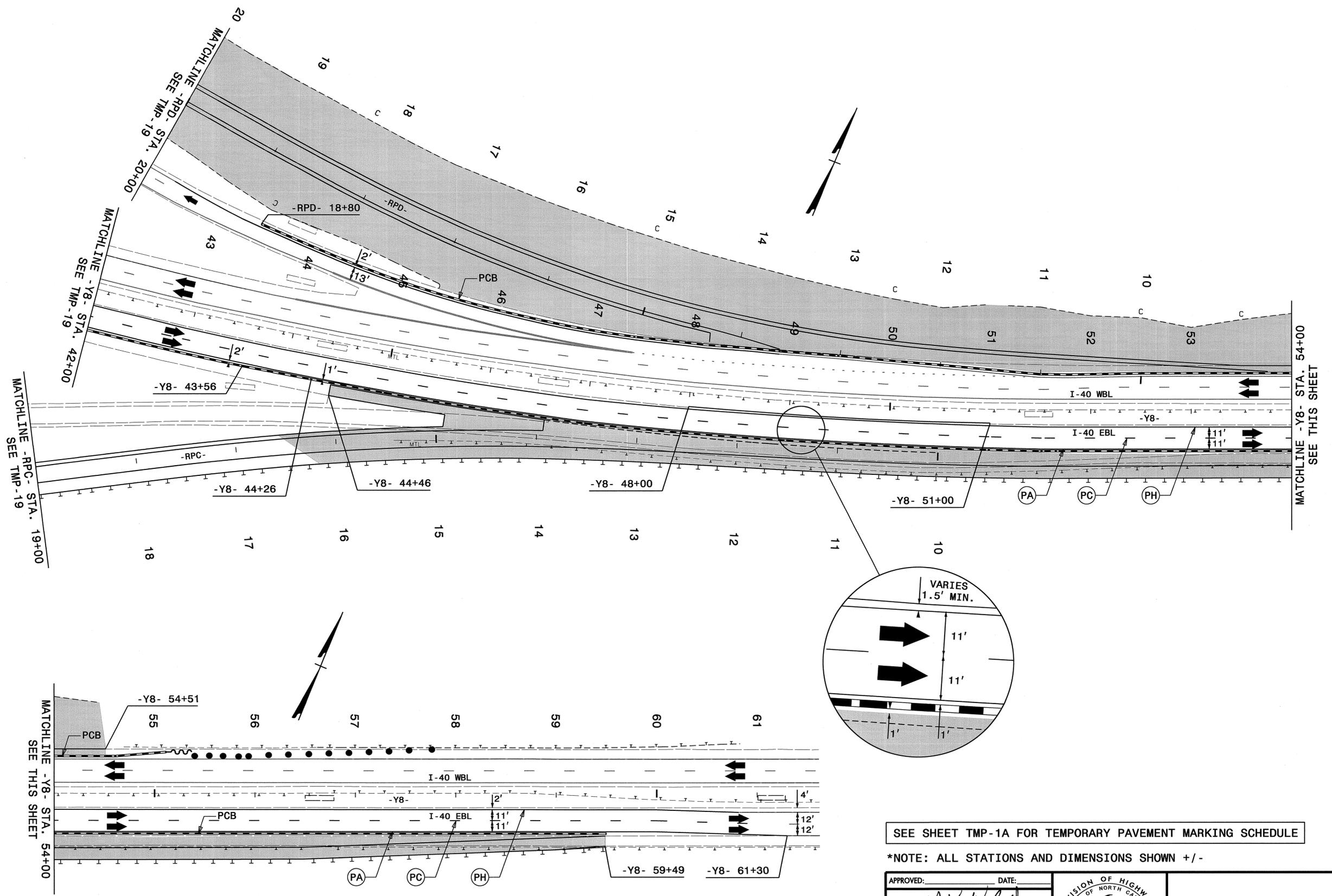
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

PHASE I PLAN

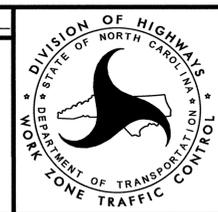
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 idandson AT 1237483



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

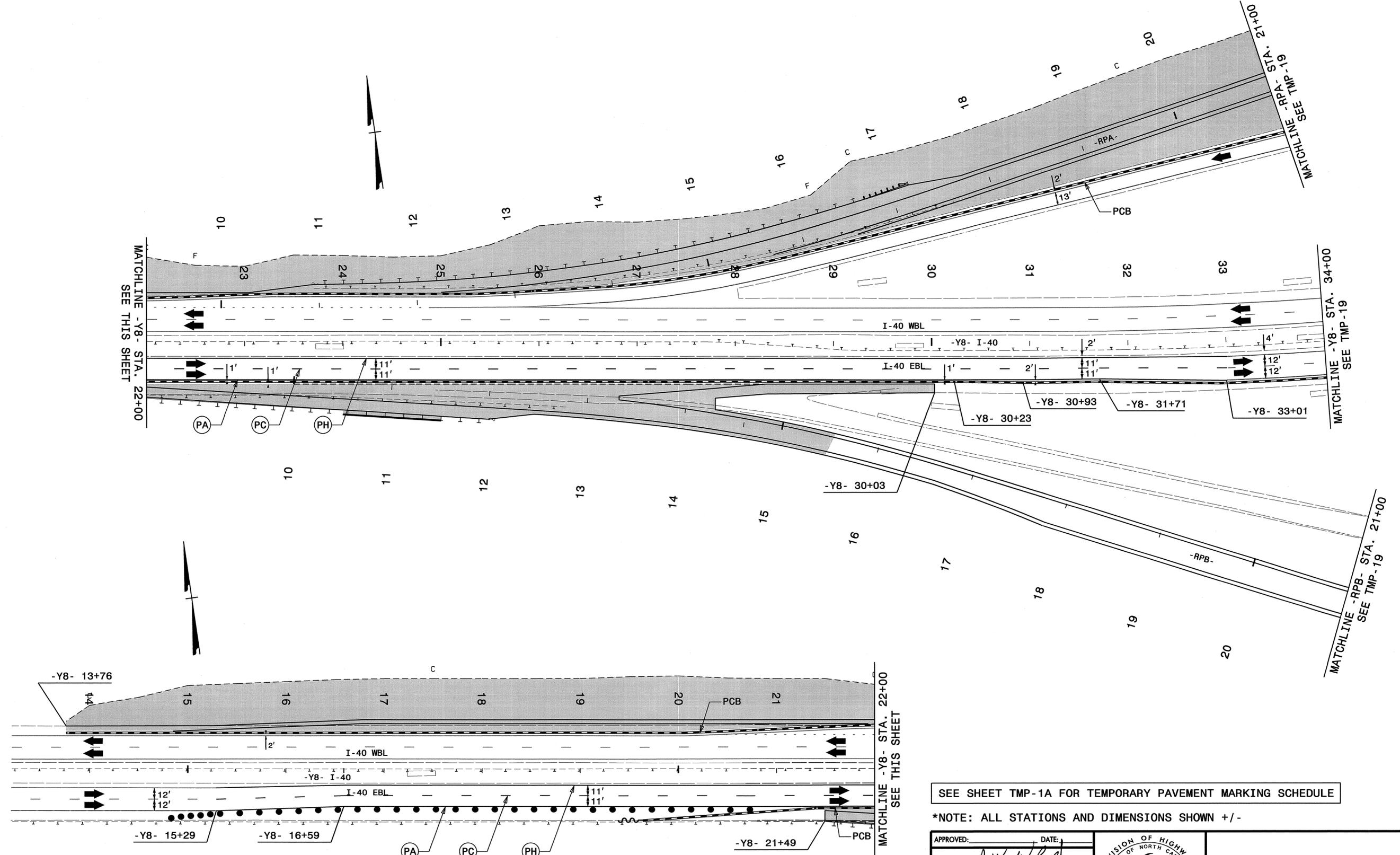
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE I PLAN

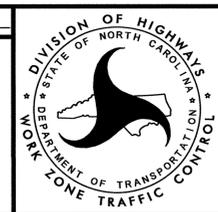
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SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

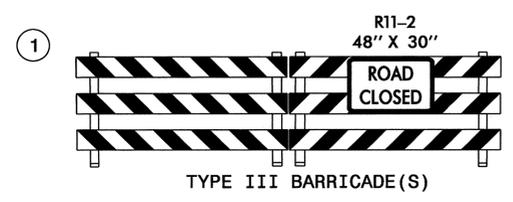
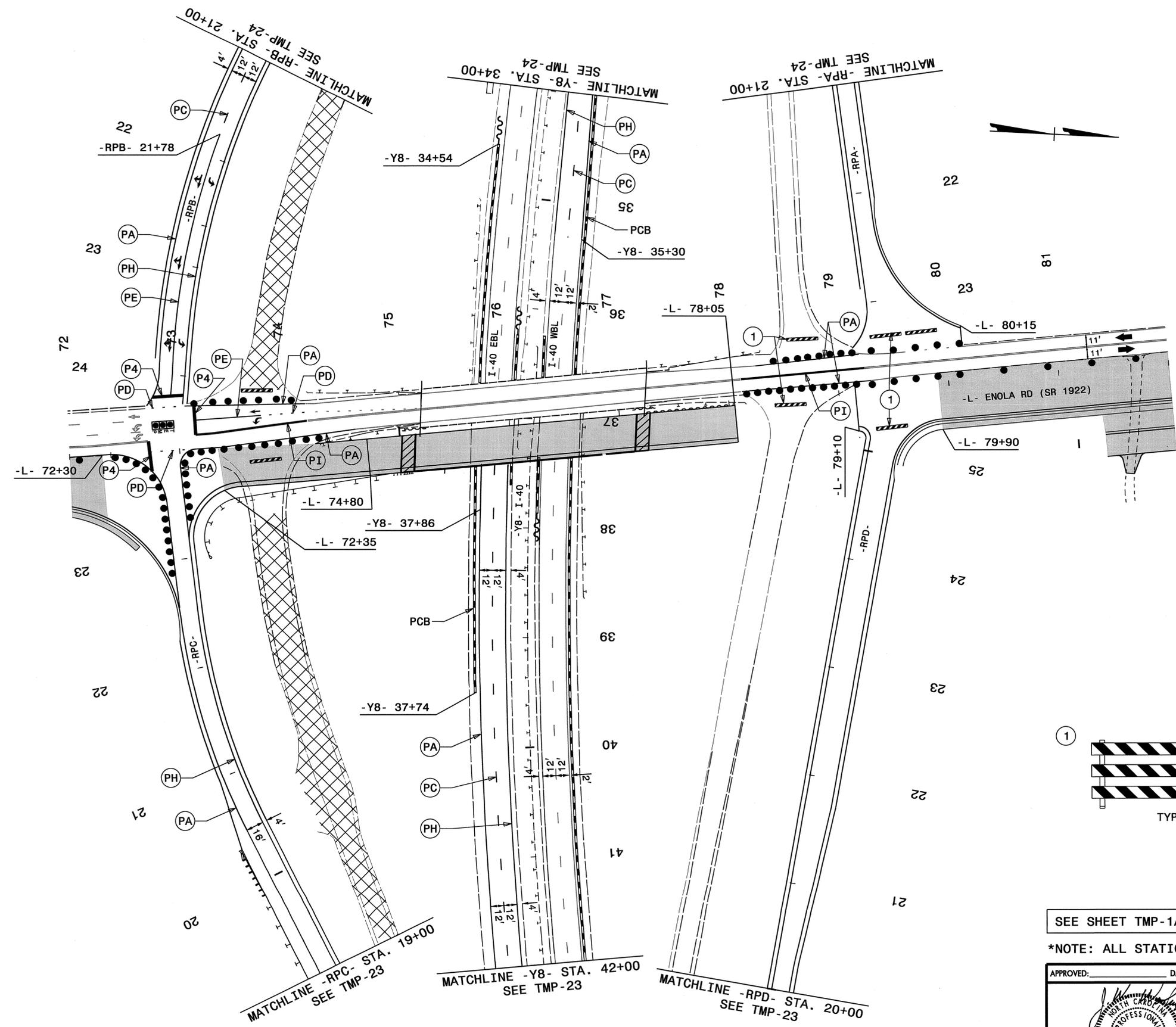
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE I PLAN

30-DEC-2011 13:15 \\dot\dfsroot\01\proj\01\TipProjects-U2551\Traffic\TrafficControl\TCP\U-2551-TC-TMP-21-Phase.01.dgn AT 1231433

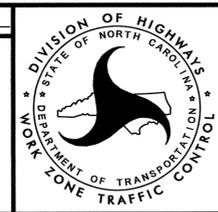


SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

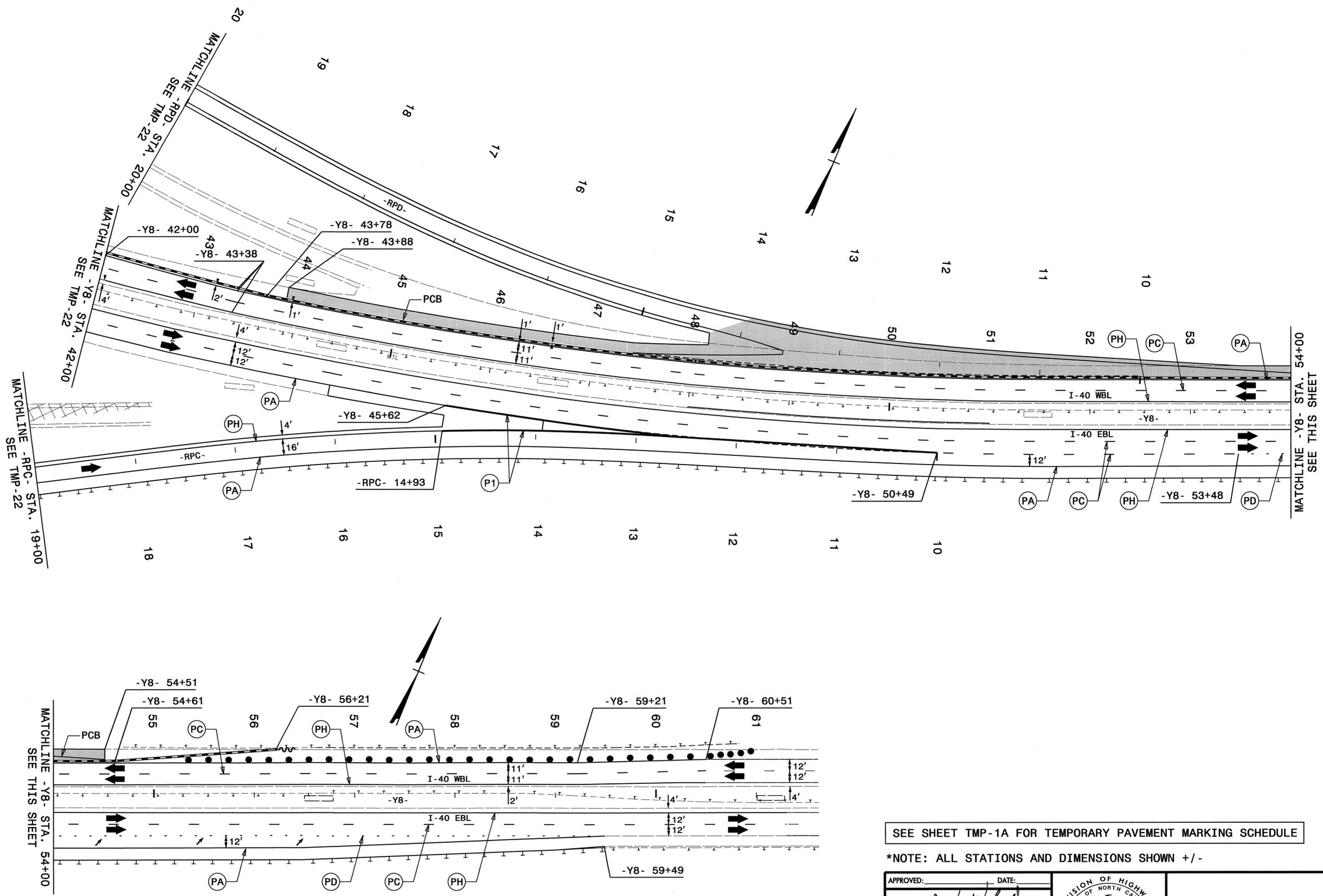
APPROVED: _____ DATE: _____

 1/3/12



PHASE I PLAN

30-DEC-2011 13:14
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 idonaldson AT 1231493

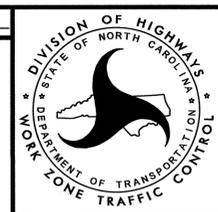


SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

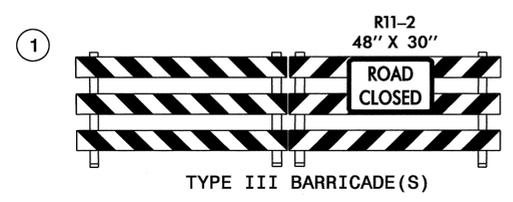
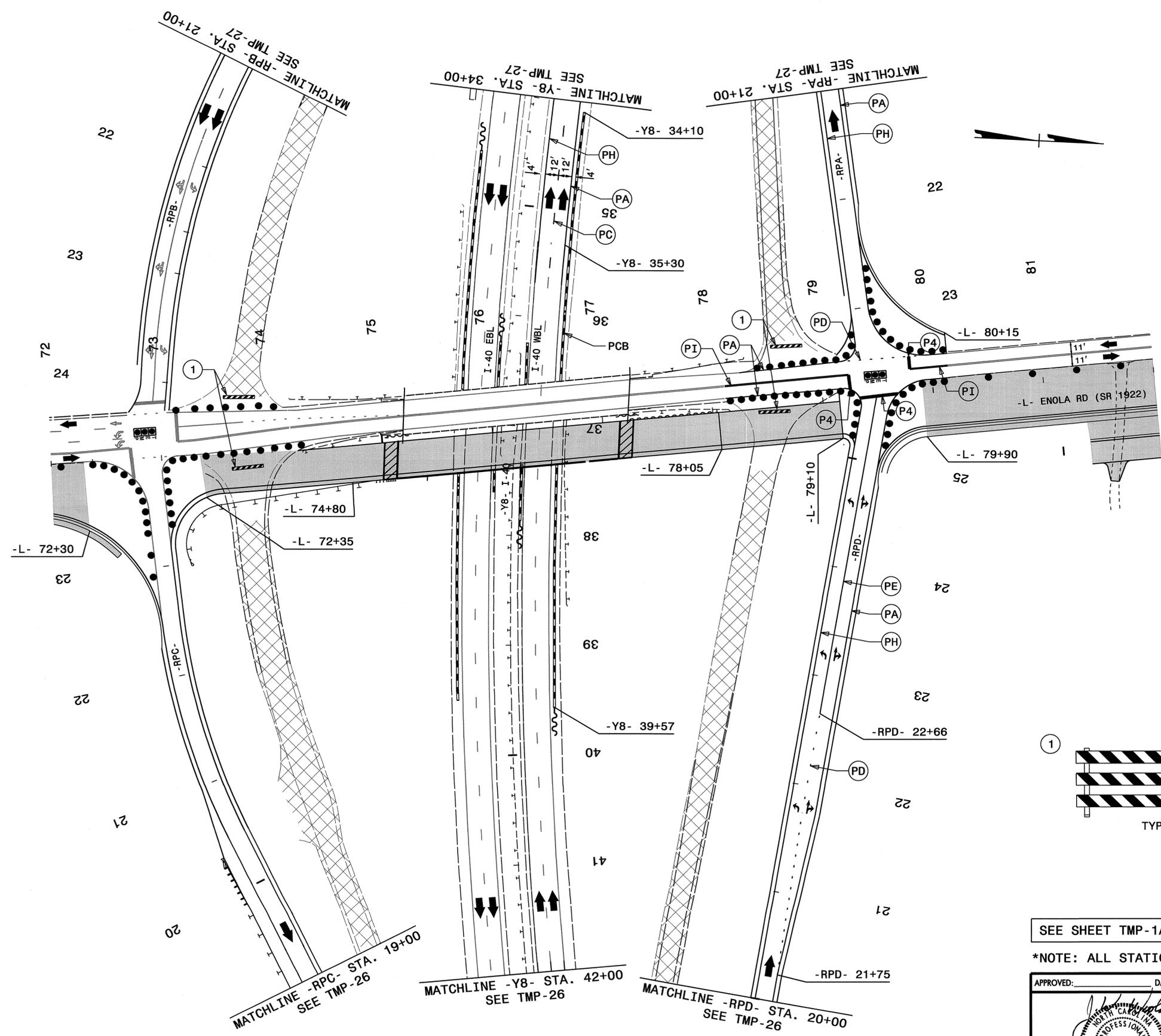
APPROVED: _____ DATE: _____

[Signature]
 PROFESSIONAL ENGINEER
 SEAL 19862
 J.W. WOOLARD, JR.
 1/3/12



PHASE I PLAN

30-DEC-2011 13:12
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 idonaldson AT 12231493

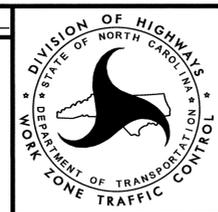


SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

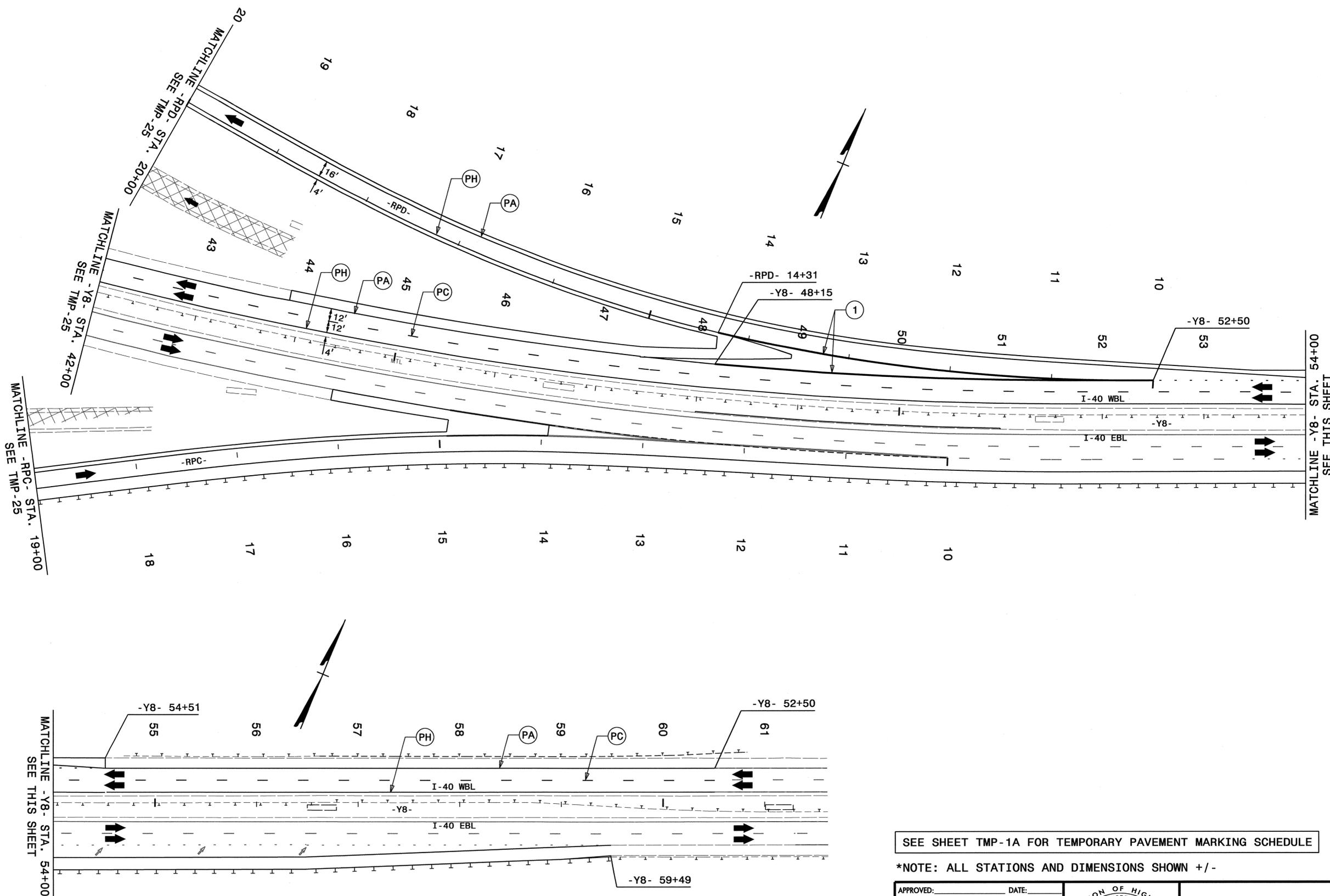
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

30-DEC-2011 13:07
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 idonaldson AT 12:31:49

APPROVED: DATE:



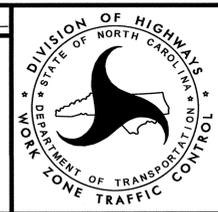
PHASE I PLAN



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

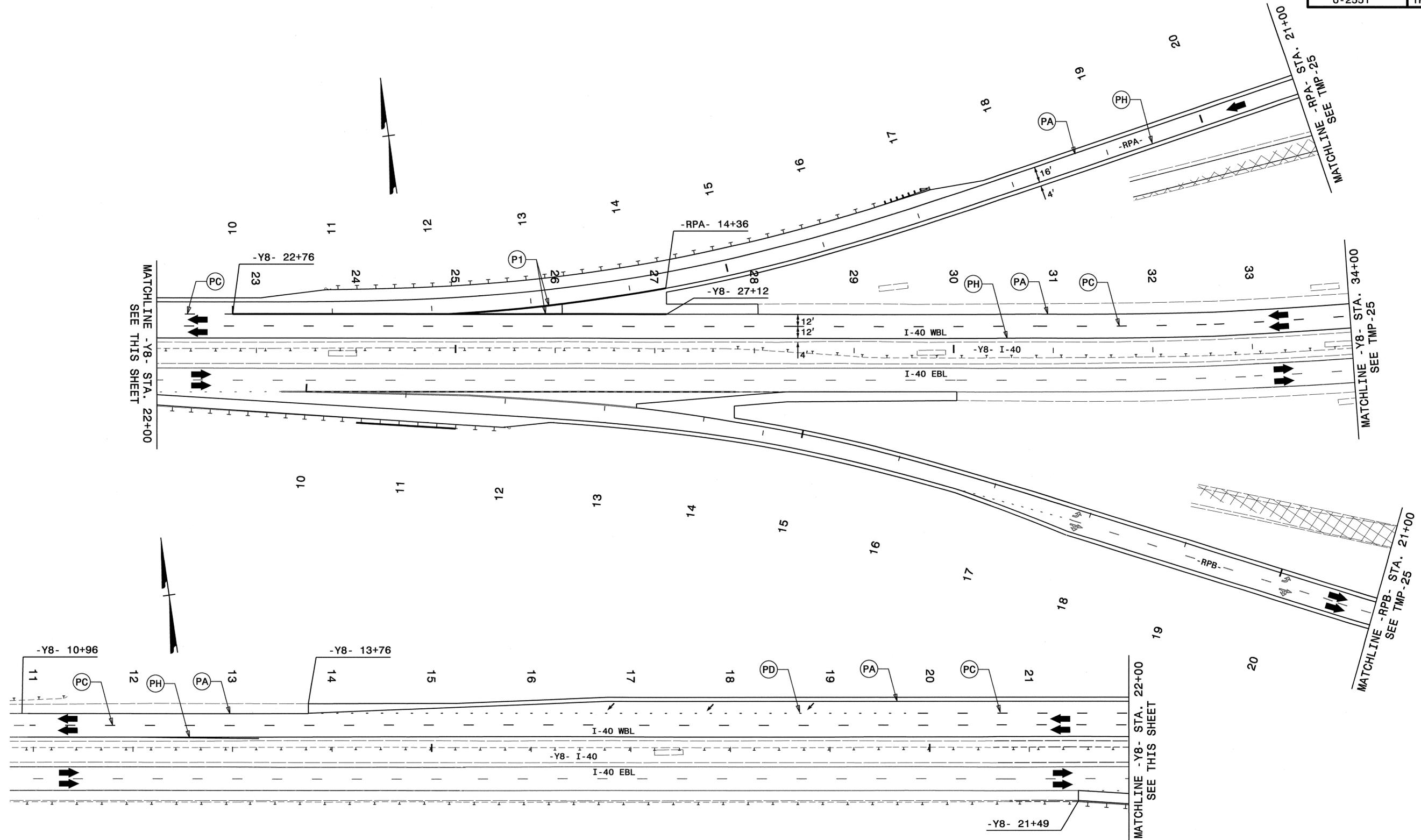
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE I PLAN

30-DEC-2011 13:05
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 idonaldson AT 1E231459

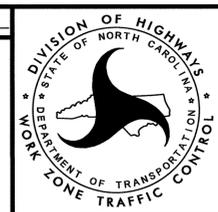


SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED:  DATE: 1/3/12

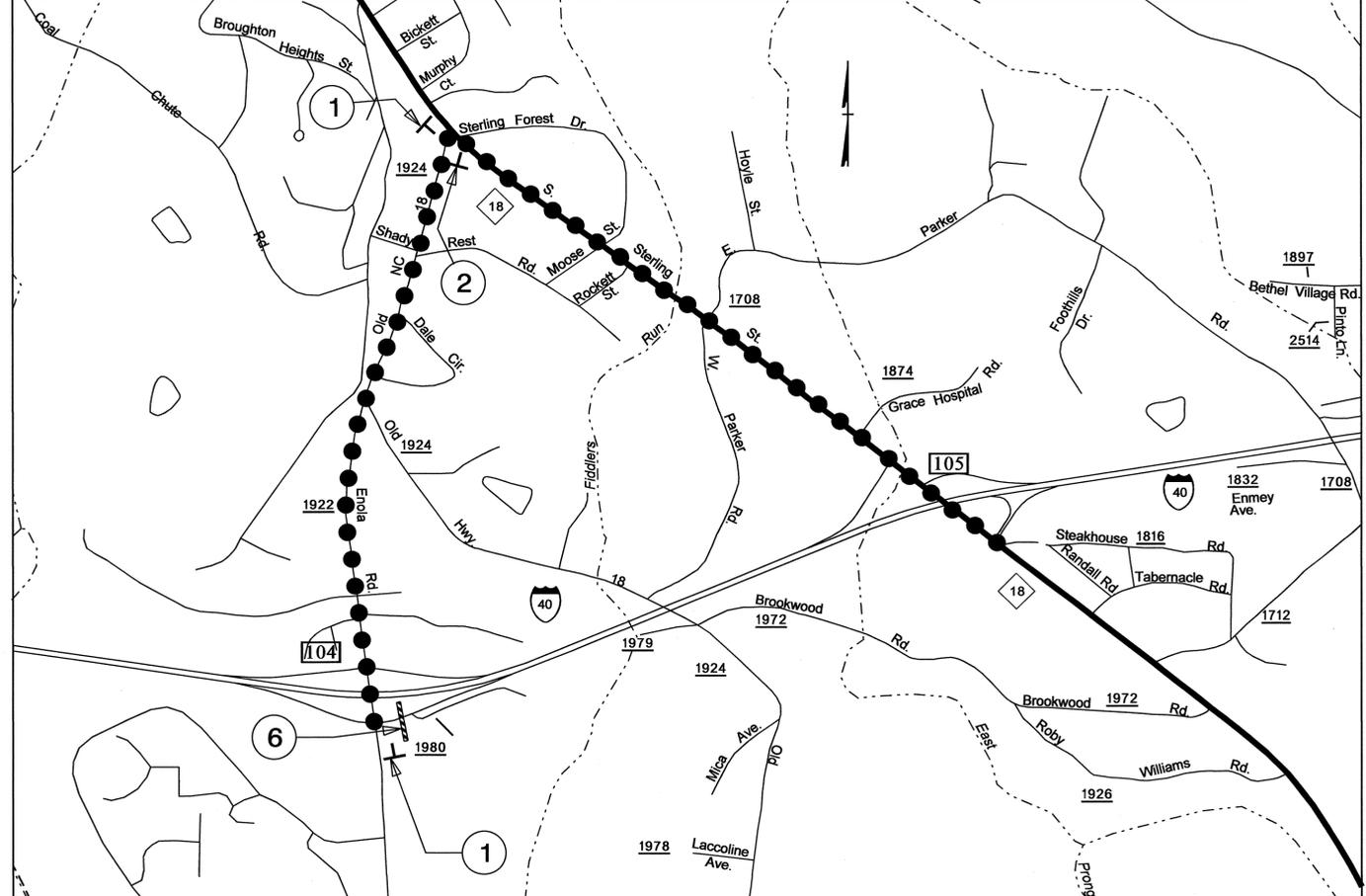
PROFESSIONAL SEAL
 NORTH CAROLINA
 19862
 ENGINEER
 J.W. WOOLARD, JR.



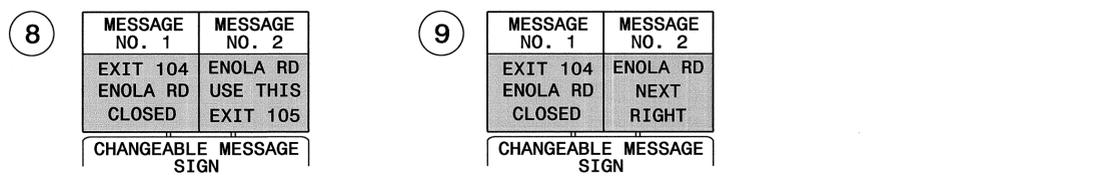
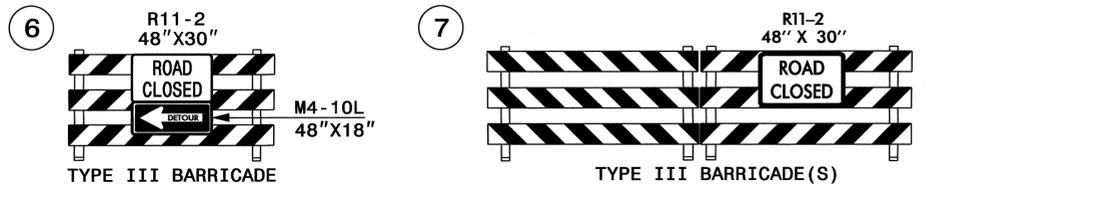
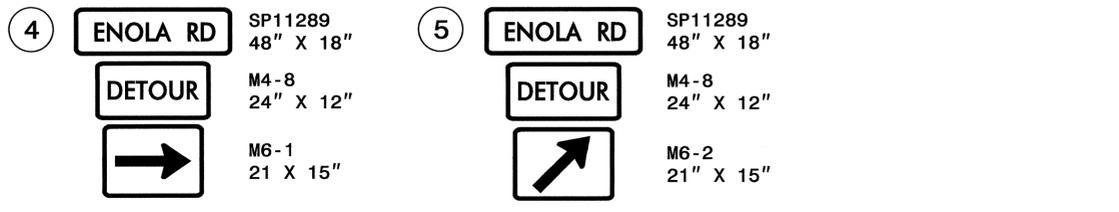
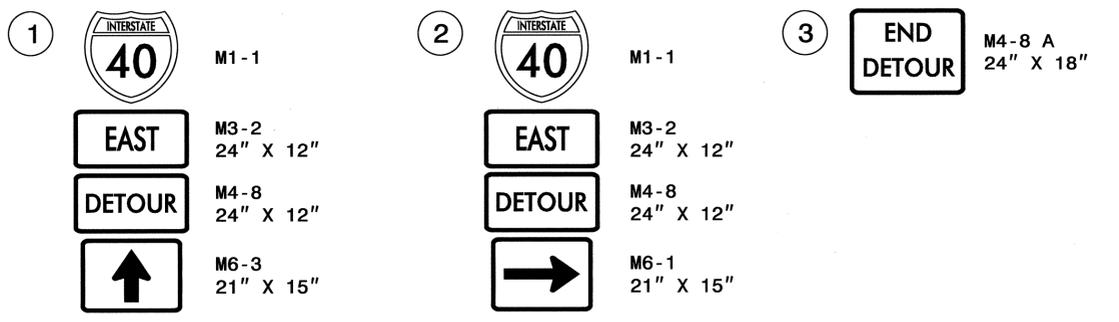
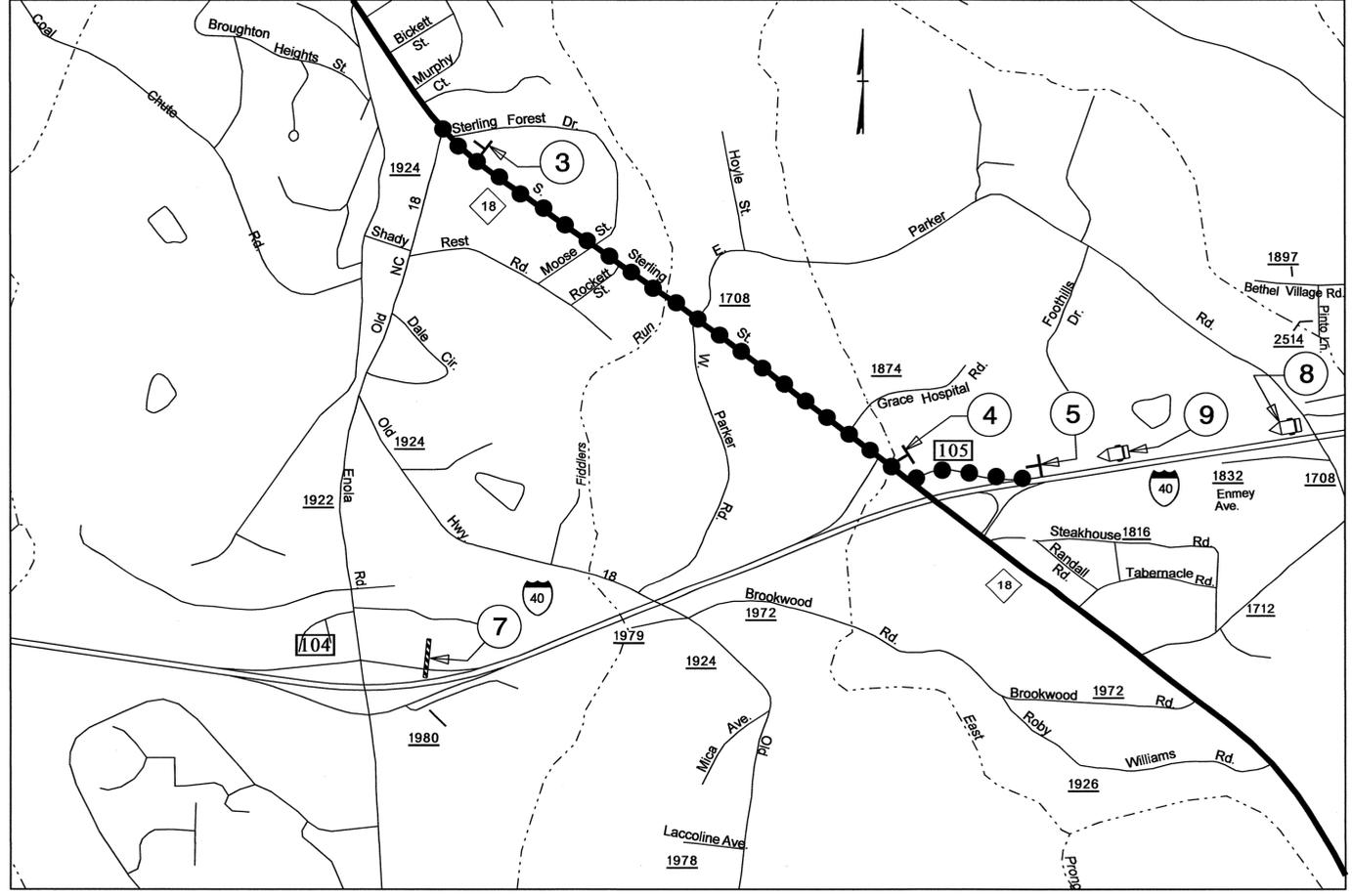
PHASE I PLAN

30-DEC-2011 12:24
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 ldonaldson AT 12231489

DETOUR: EASTBOUND EXIT 104 ENTRANCE RAMP -RPC-



DETOUR: WESTBOUND EXIT 104 EXIT RAMP -RPD-

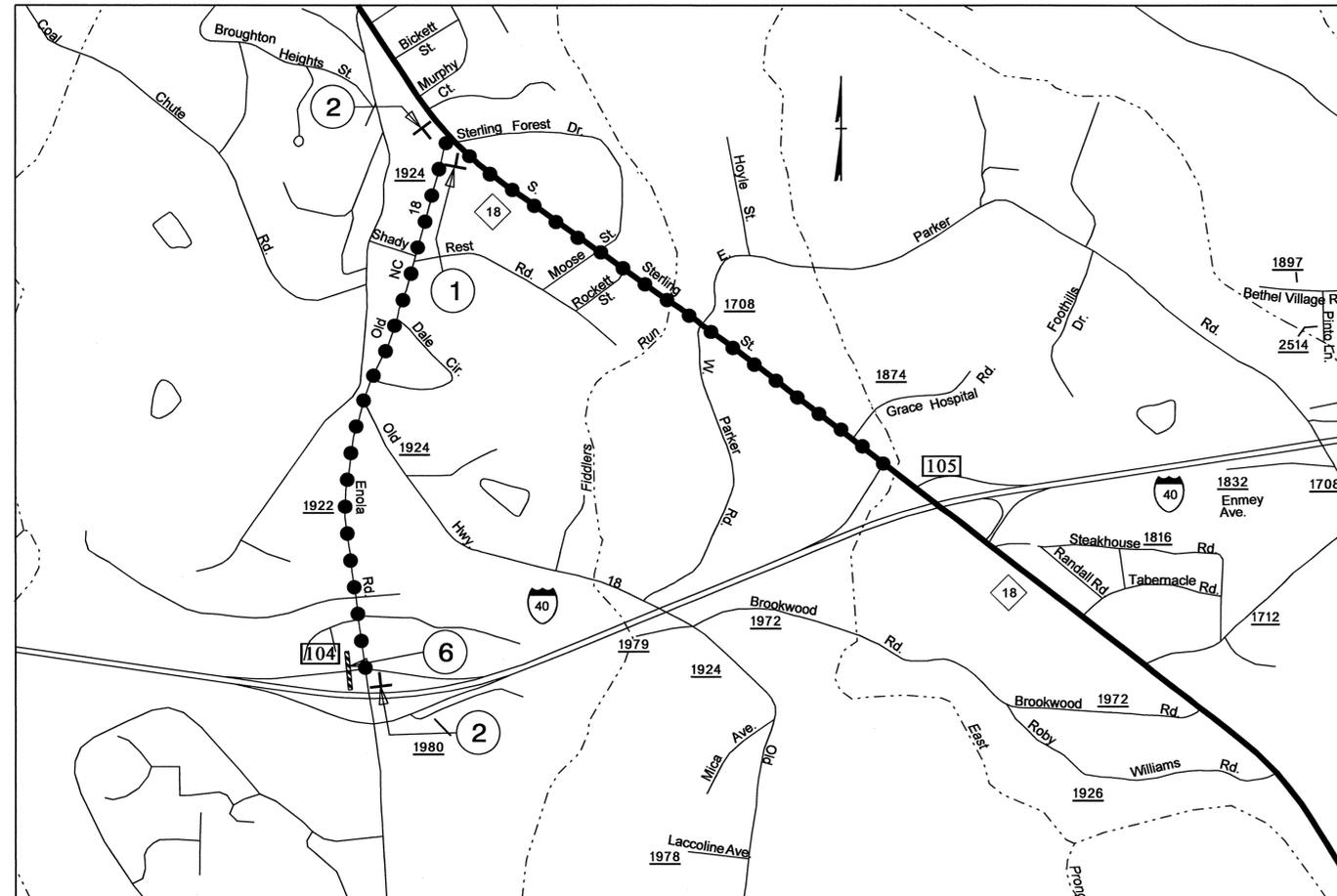


*SEE ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 OF 9 AND 2 OF 9

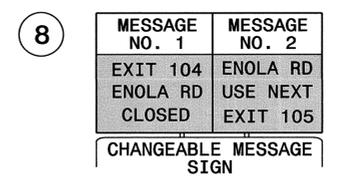
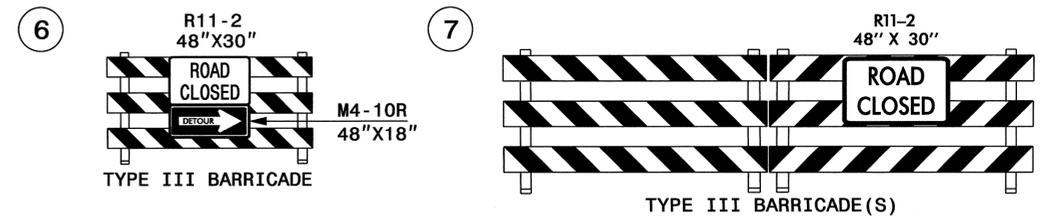
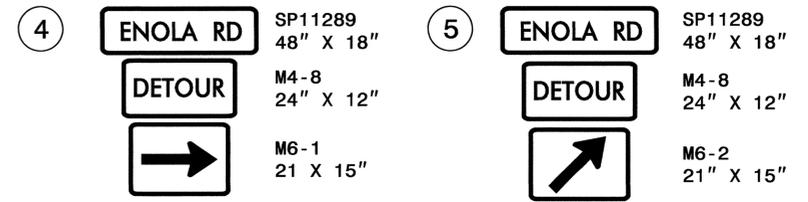
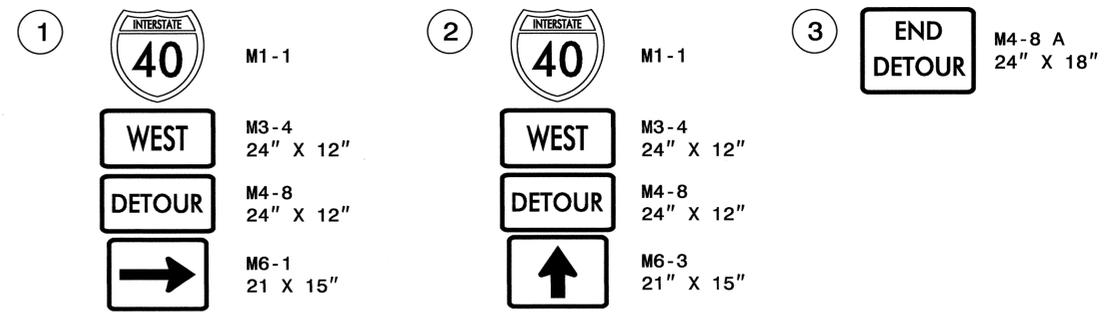
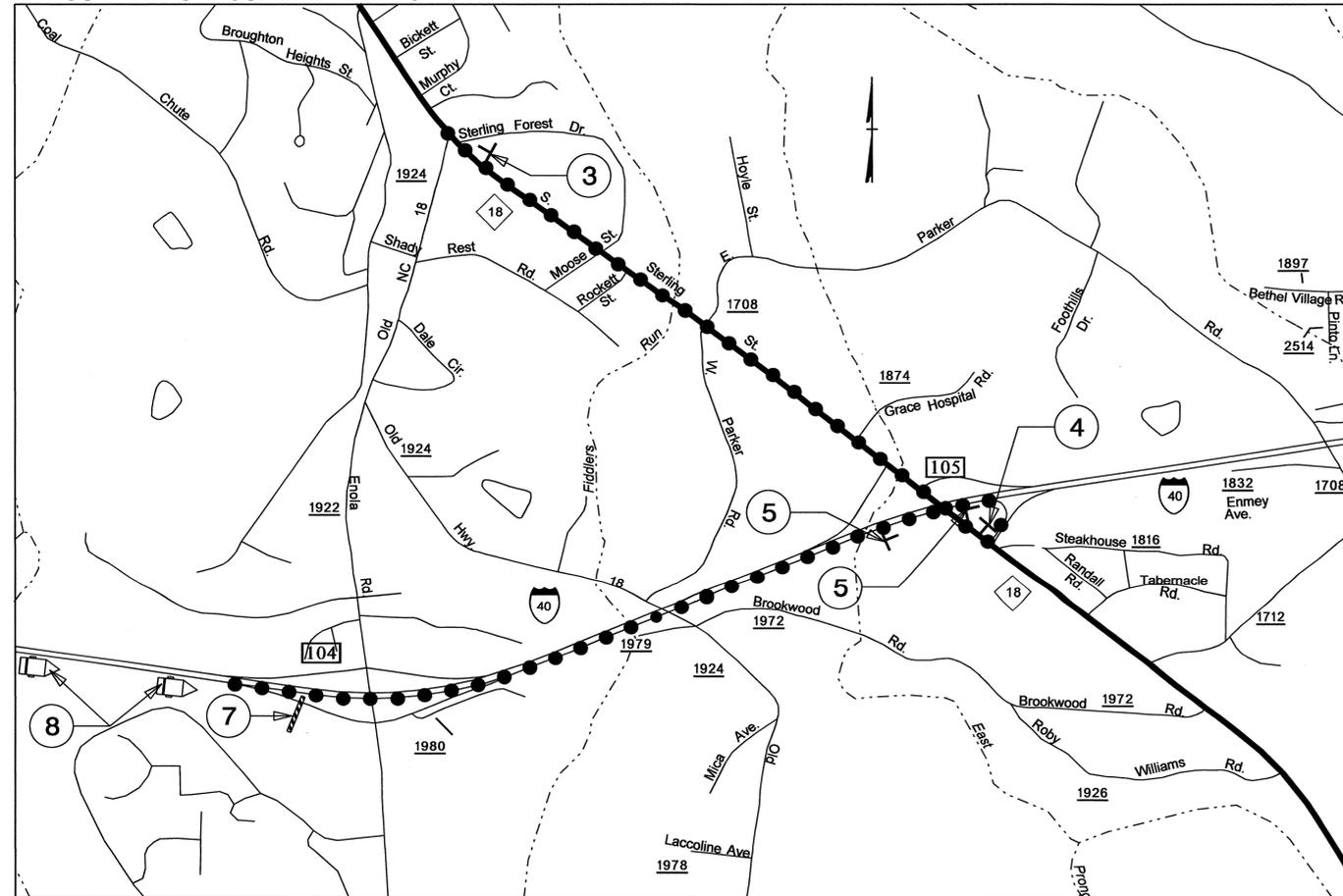
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APPROVED:	DATE: 1/3/12		<h2>I-40 RAMP DETOURS</h2>

DETOUR: WESTBOUND EXIT 104 ENTRANCE RAMP -RPA-



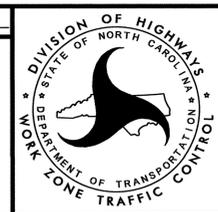
DETOUR: EASTBOUND EXIT 104 EXIT RAMP -RPB-



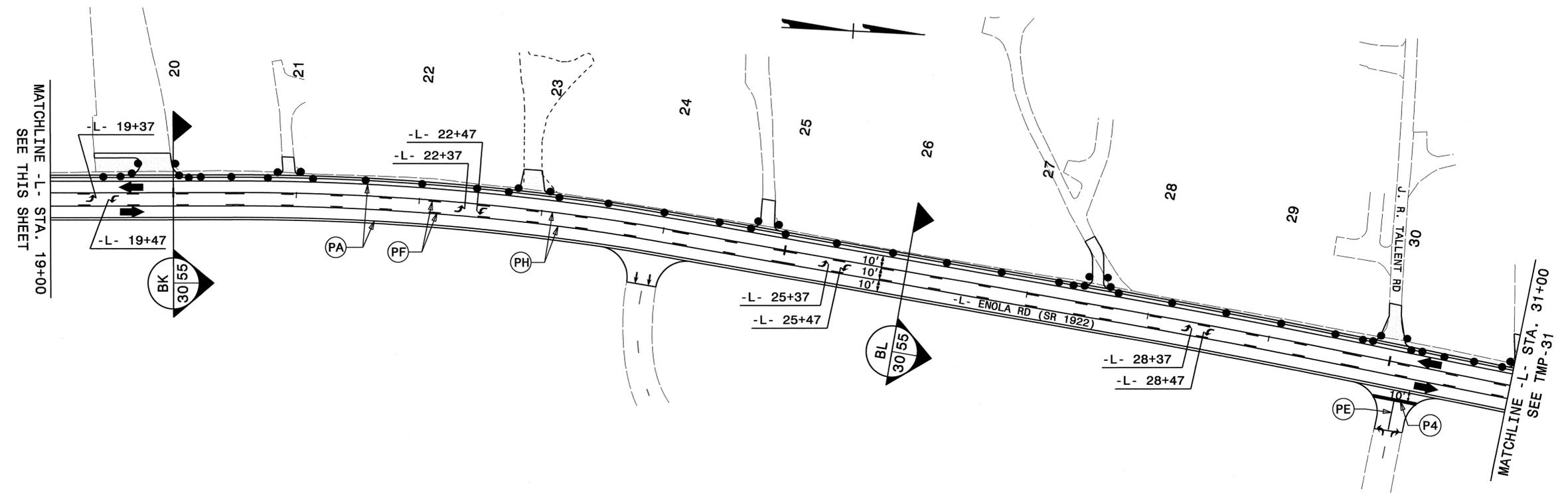
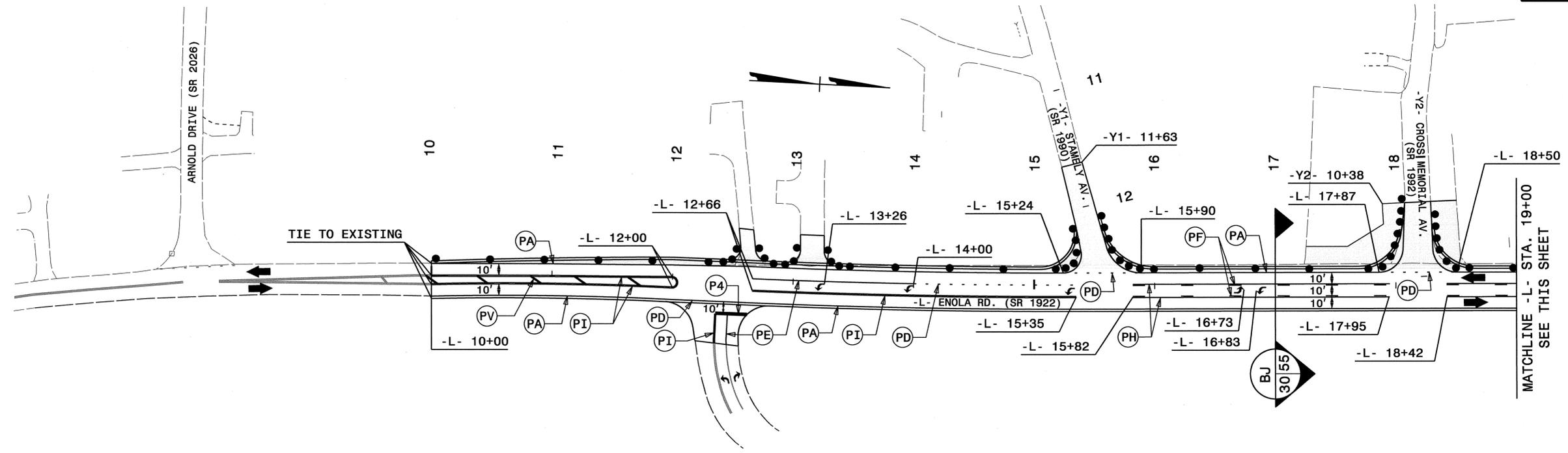
*SEE ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 OF 9 AND 2 OF 9

30-DEC-2011 12:19 \\dot\dfsroot\01\301\TipProjects-U2551\TrafficControl\U2551.TC.TMP - TMP-28.TMP - TMP-29.DETAMP.dgn

APPROVED: DATE: 1/3/12



I-40 RAMP DETOURS



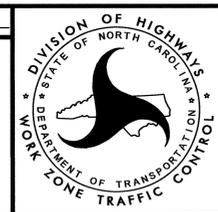
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

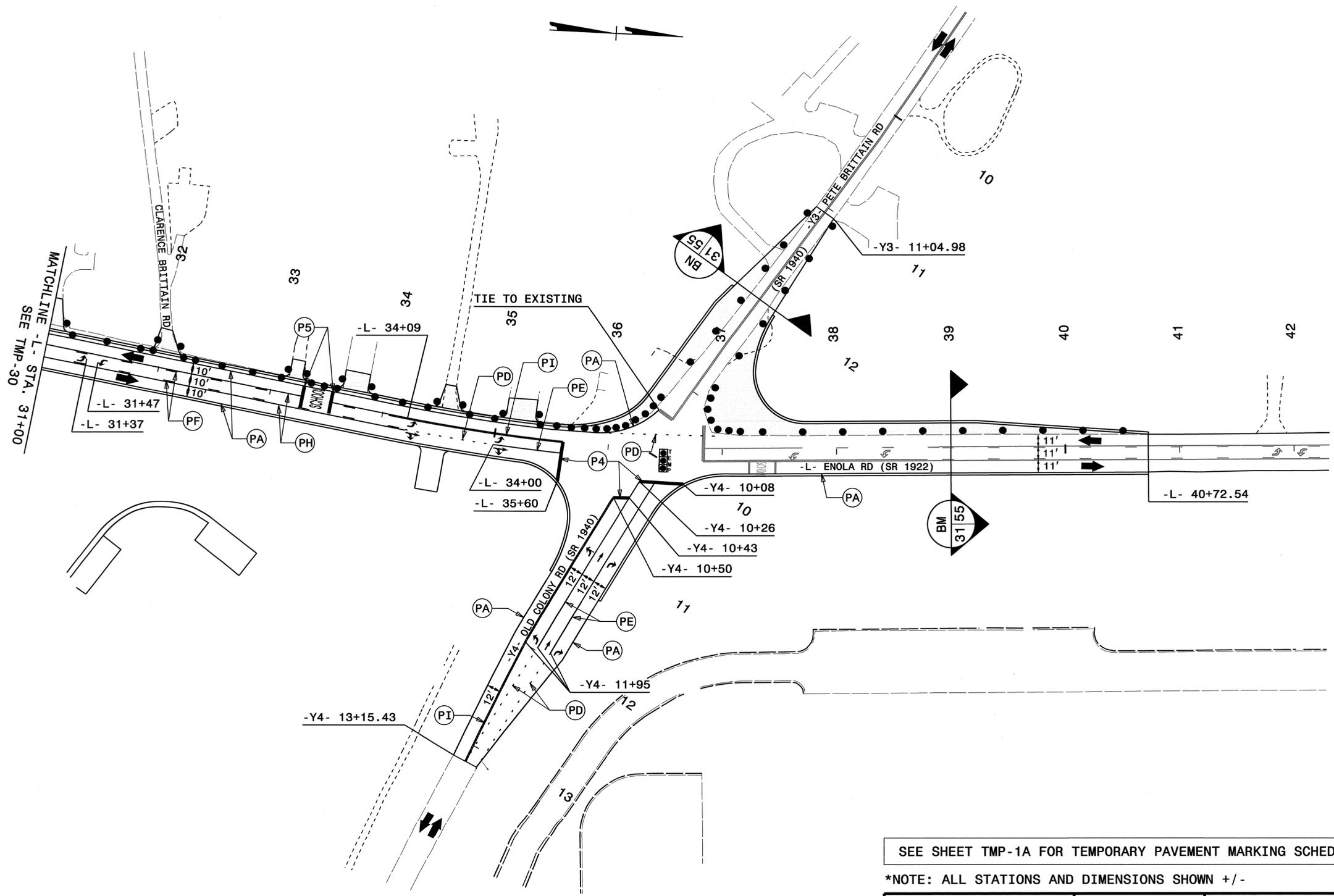
[Signature]

PROFESSIONAL
SEAL
19862
ENGINEER
J.W. WOOLARD, JR.



PHASE II PLAN

30-DEC-2011 12:18
\\dot\dfsroot\01\301\TipProjects-U2551\TrafficControl\TCP\U-2551\TC_TMP_TMP-30_PHASE_02.dgn
10/23/11 11:49 AM

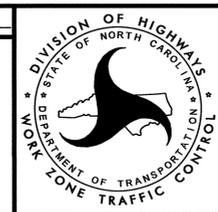


30-DEC-2011 12:17
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 idonldgson AT 1E237493

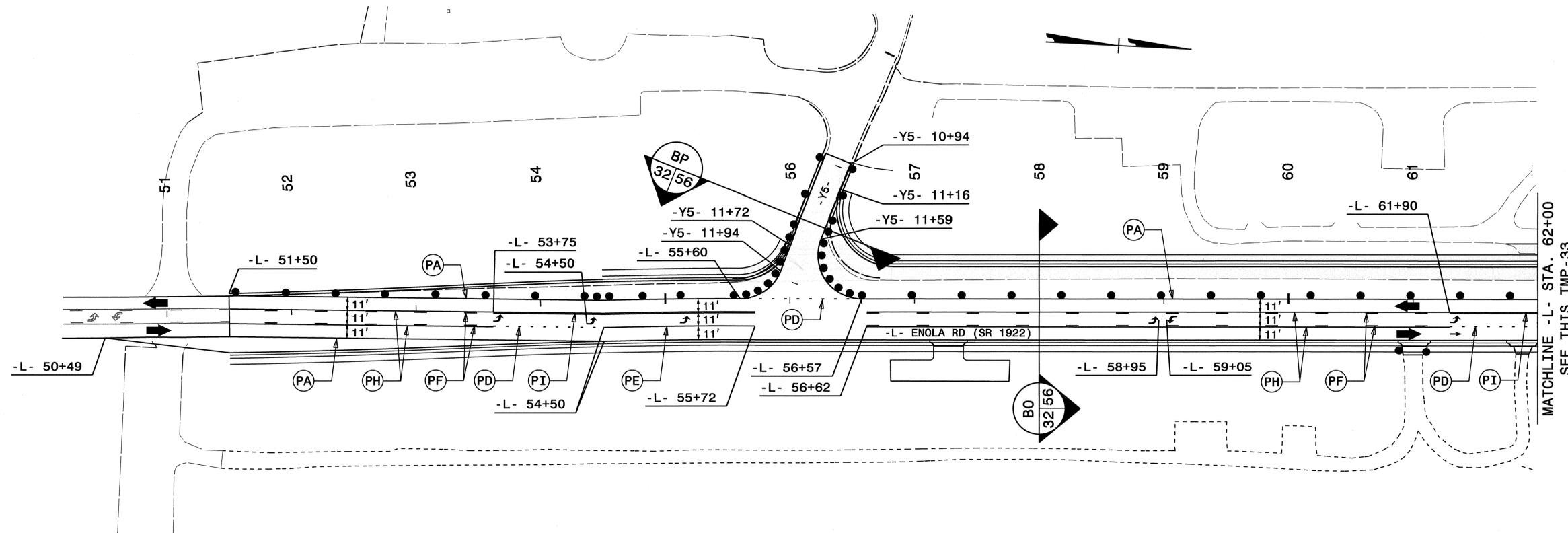
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

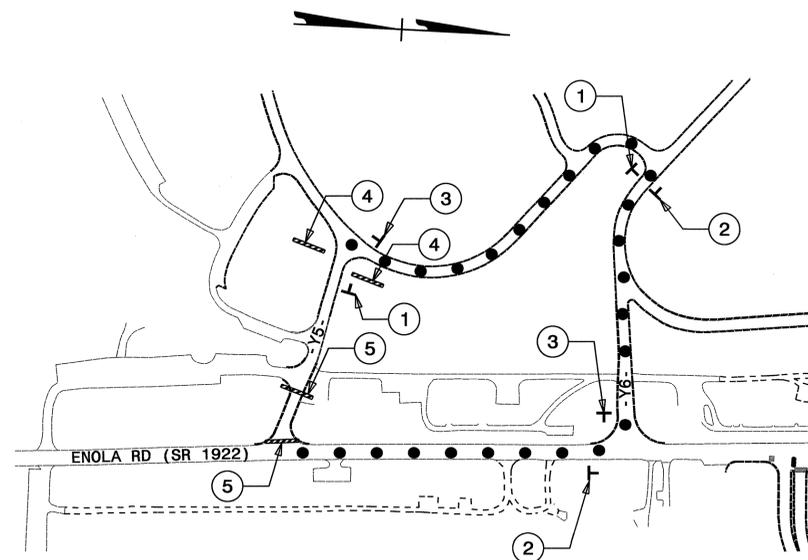
APPROVED: _____ DATE: _____



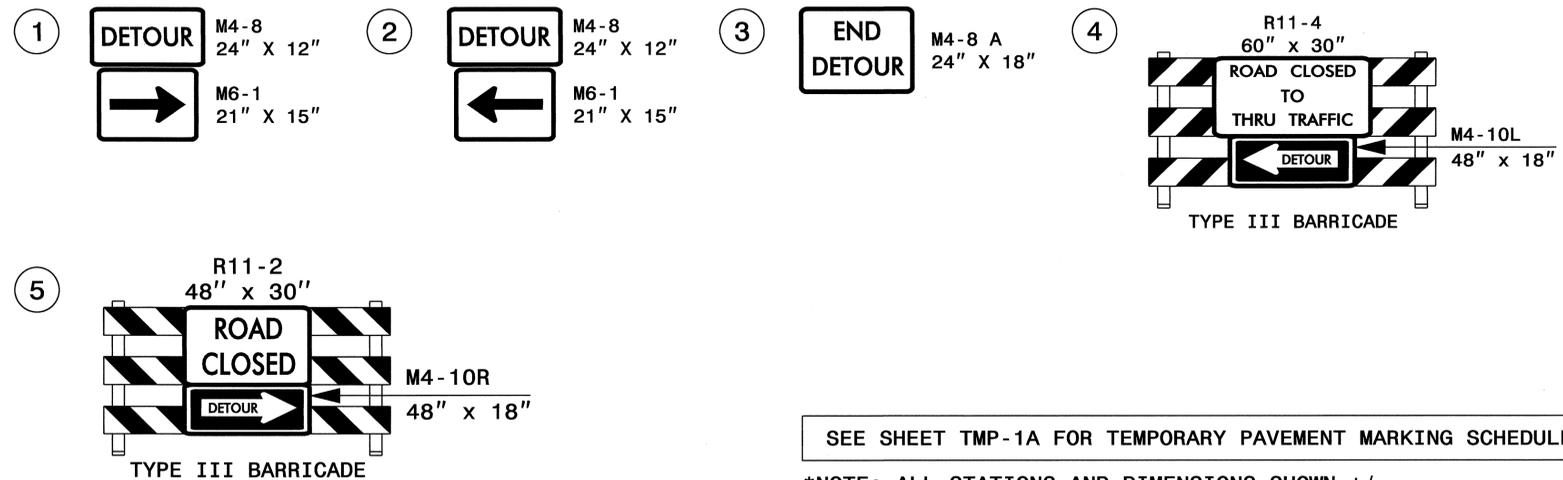
PHASE II PLAN



MATCHLINE -L- STA. 62+00
SEE THIS TMP-33



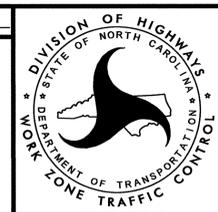
*SEE ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 OF 9 AND 2 OF 9



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

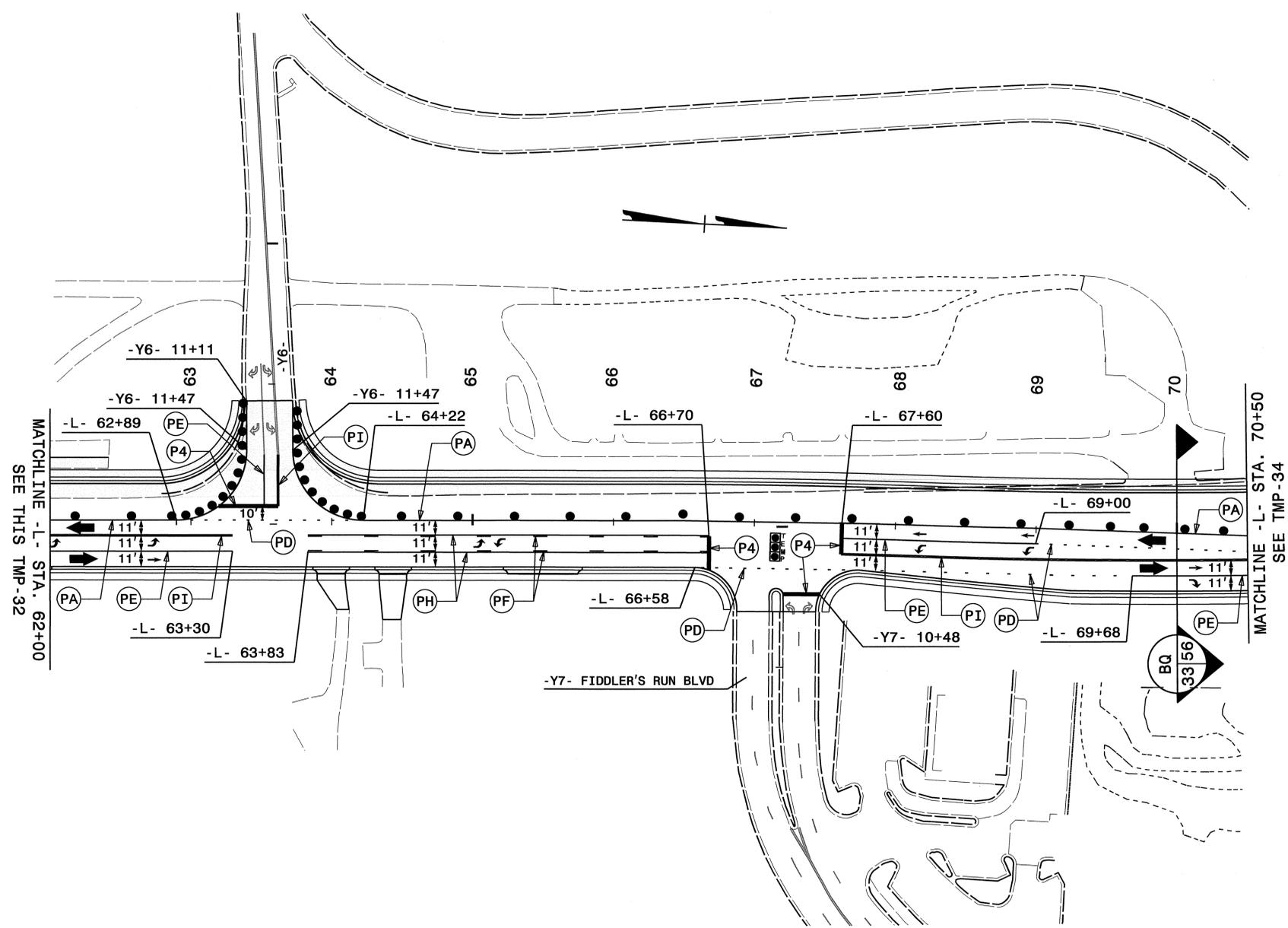
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____



PHASE II PLAN

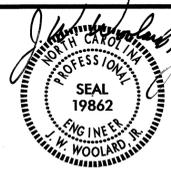
30-DEC-2011 12:15
 \dot\cfrsroot\01\Proj\Traffic-U2551\TrafficControl\TCP\U-2551-TC-TMP-TMP-32-PHASE-02.dgn
 icandison AT 12:31:43

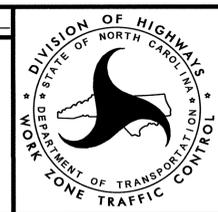


MATCHLINE - L- STA. 70+50
SEE TMP-34

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

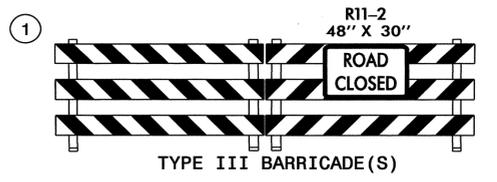
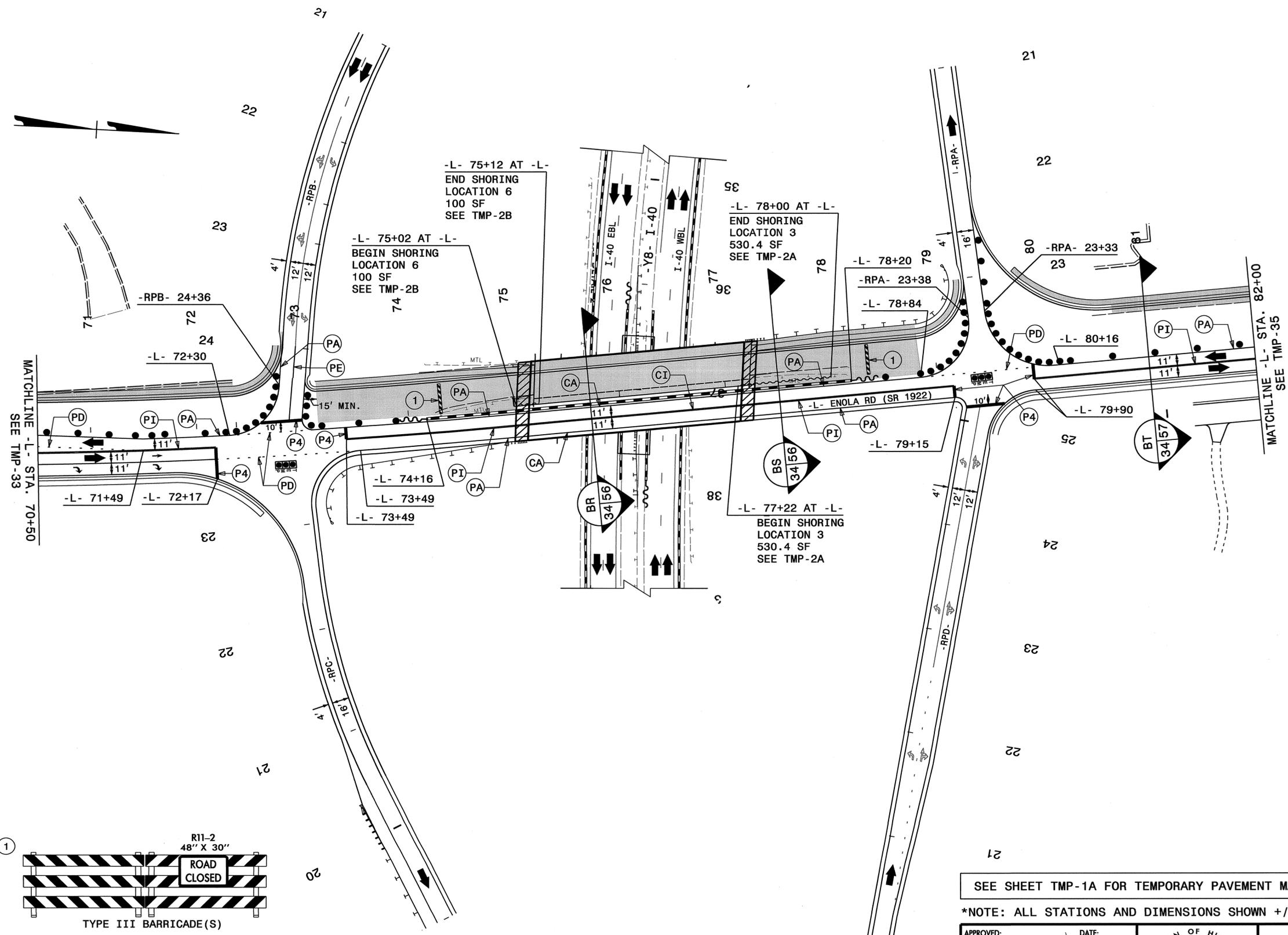
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

 1/3/12



PHASE II PLAN

30-DEC-2011 12:12
 \\dot\cfrsroot\01\p\9\1\TipProjects-U\2551\TrafficControl\TCP\U-2551.LTC.TMP_TMP-33_PHASE-02.dgn
 laonidison AT 12:31:45



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

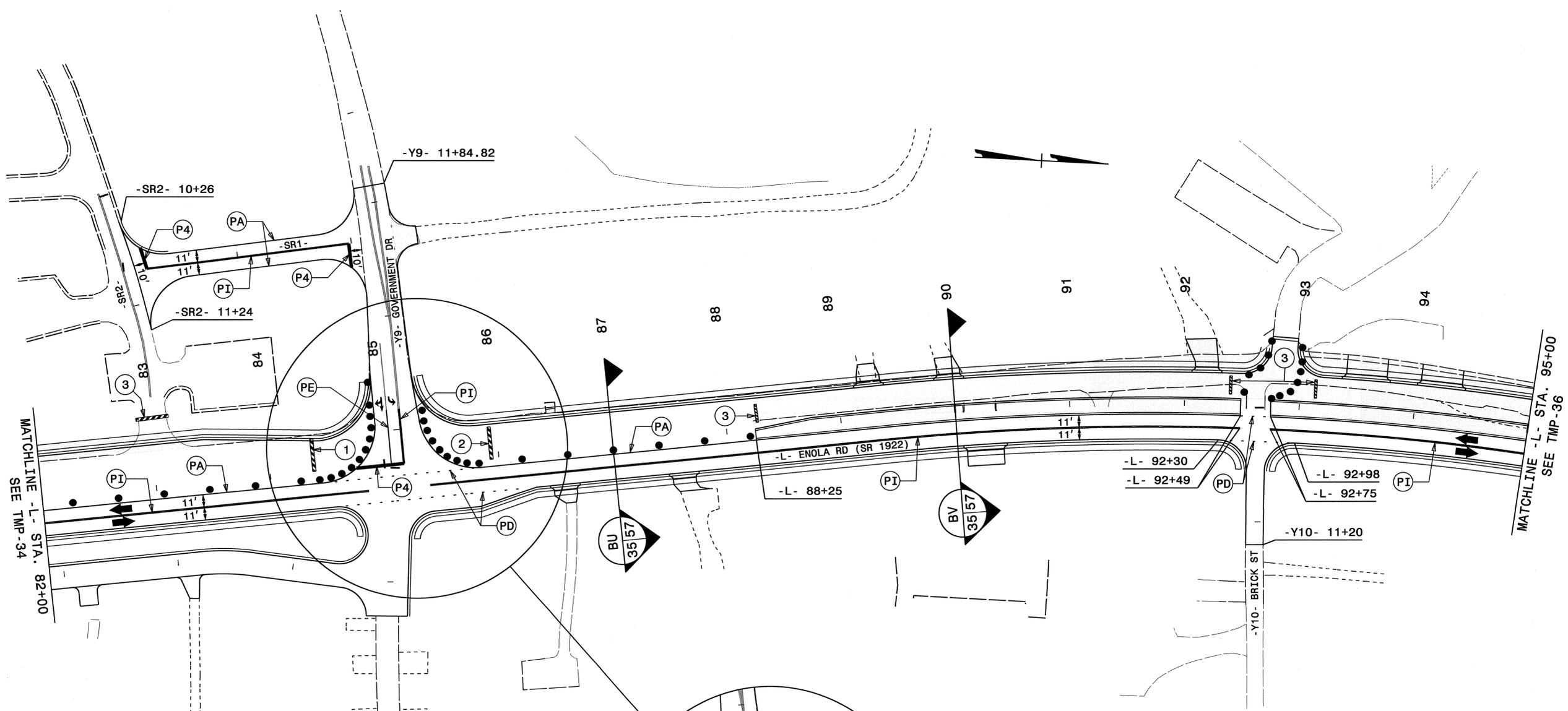
APPROVED: _____ DATE: _____

 1/6/12

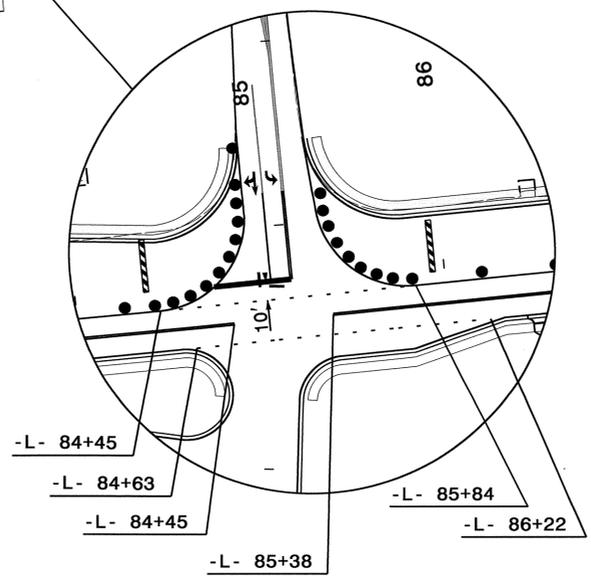


PHASE II PLAN

06-JAN-2012 09:14
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 WOODARD AT 12:41:40



- ① R11-2
48" X 30"
ROAD
CLOSED
W1-6L
48" X 24"
TYPE III BARRICADE
- ② R11-2
48" X 30"
ROAD
CLOSED
W1-6R
48" X 24"
TYPE III BARRICADE
- ③ R11-2
48" X 30"
ROAD
CLOSED
TYPE III BARRICADE(S)



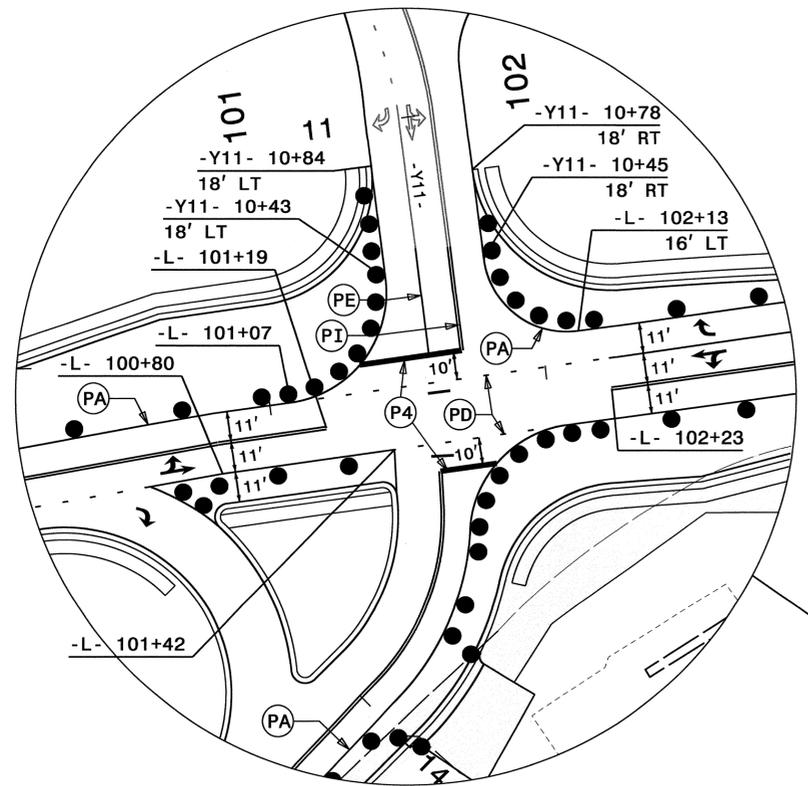
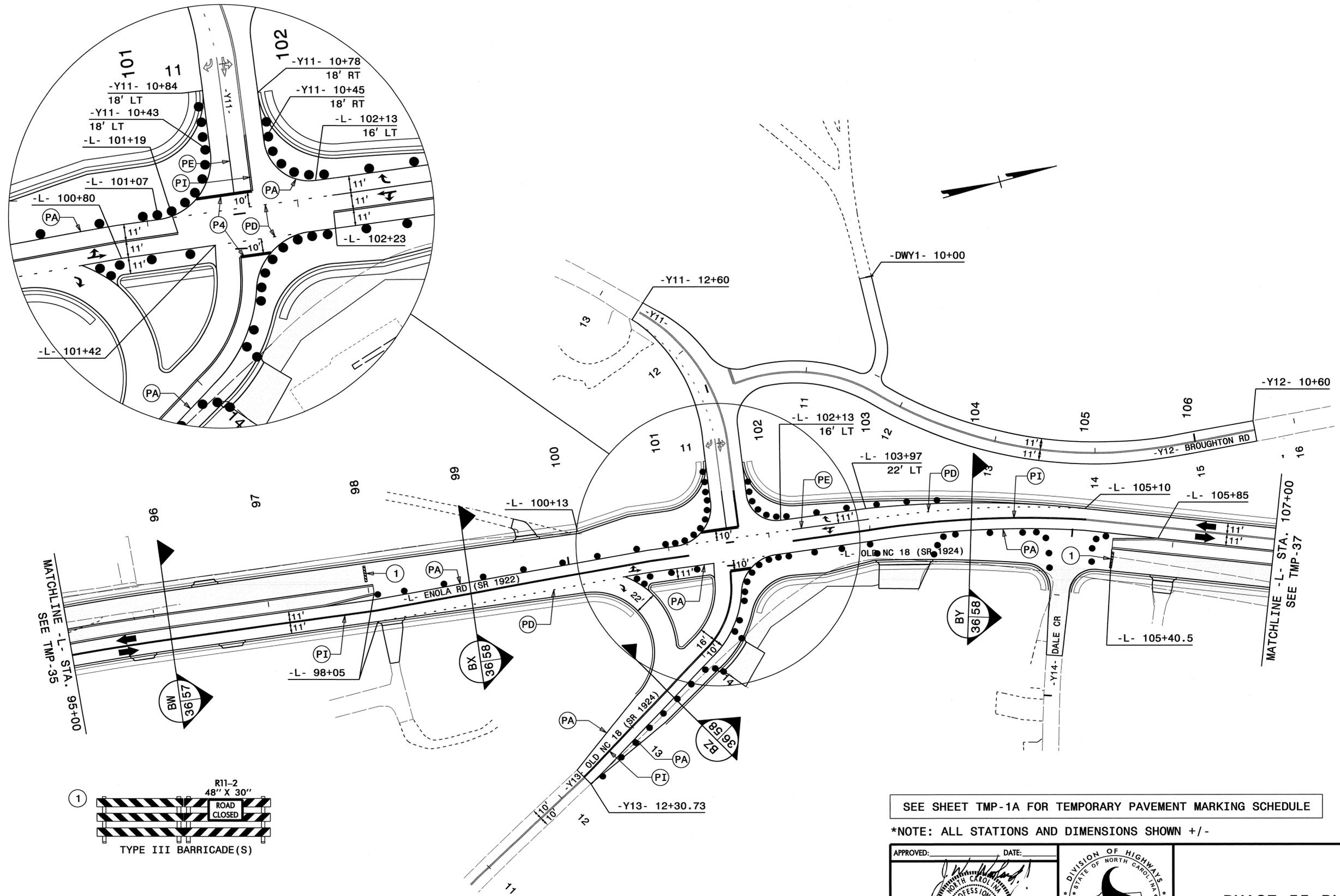
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

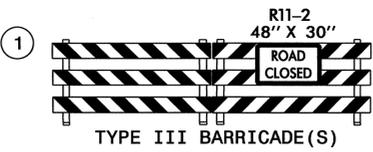
PHASE II

30-DEC-2011 11:37
 \\dot\dfsroot\01\proj\1\TipProjects-U\2551\TrafficControl\TCP\U-2551\TC_TMP-TMP-35_PHASE-02.dgn
 ldonaldson AT 12231489



MATCHLINE -L- STA. 95+00
SEE TMP-35

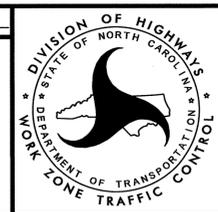
MATCHLINE -L- STA. 107+00
SEE TMP-37



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

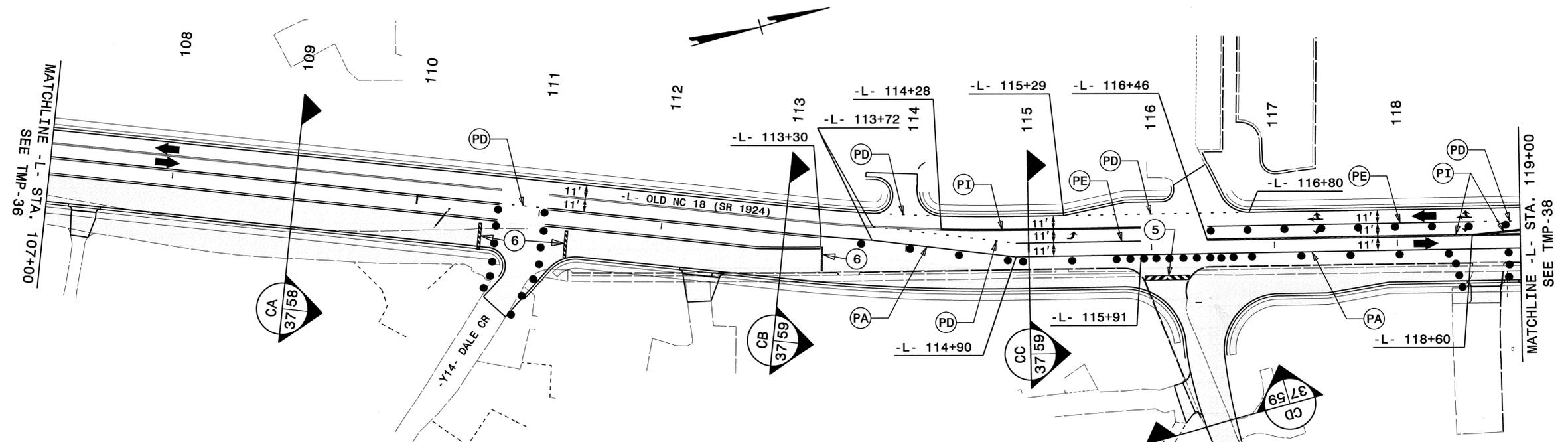
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

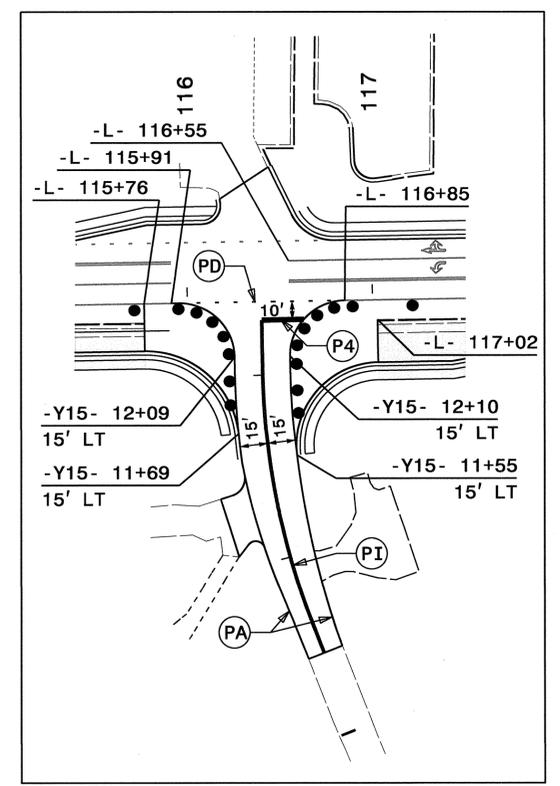
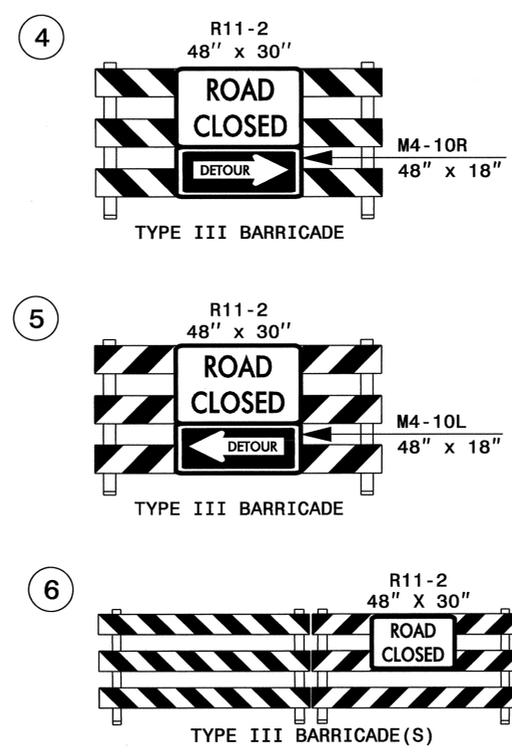
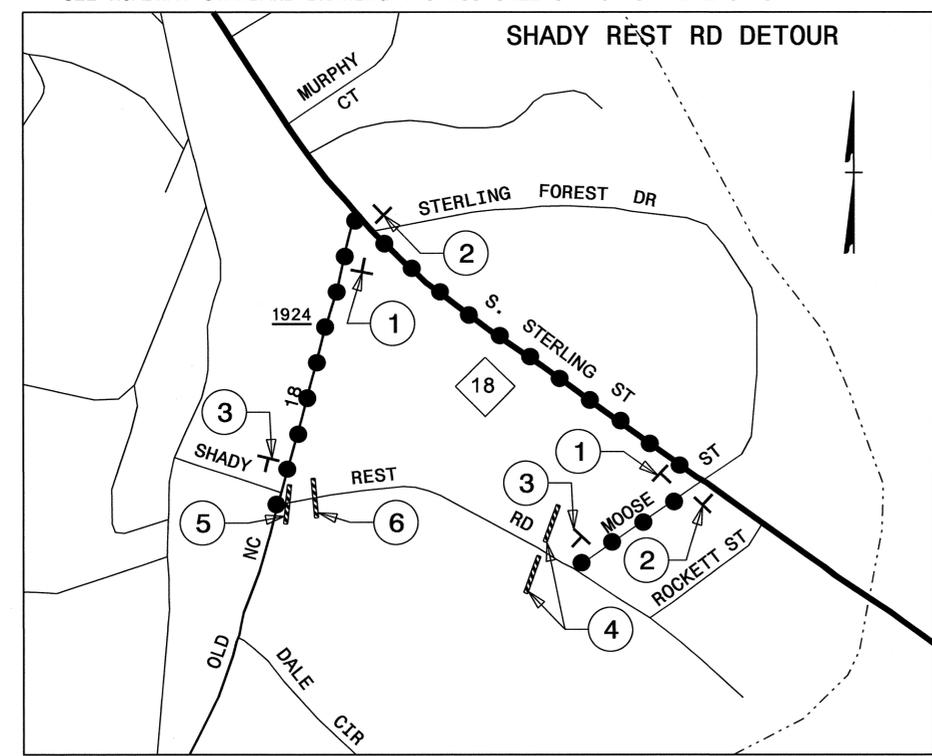


PHASE II PLAN

30-DEC-2011 11:35
 \\dot\dfsroot\01\3\3\TipProjects-U\2551\TrafficControl\TCP\U-2551\TC_TMP - TMP - 36 - PHASE - 02.dgn
 ldonaldson AT 12/23/11



*SEE ROADWAY STANDARD DRAWING 1101.03 SHEETS 1 OF 9 AND 2 OF 9



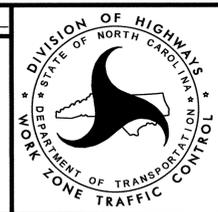
1	SHADY REST ROAD	SP11290 48" X 24"	2	SHADY REST ROAD	SP11290 48" X 24"	3	END DETOUR	M4-8 A 24" X 18"
	DETOUR	M4-8 24" X 12"		DETOUR	M4-8 24" X 12"			
	→	M6-1 21" X 15"		←	M6-1 21" X 15"			

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

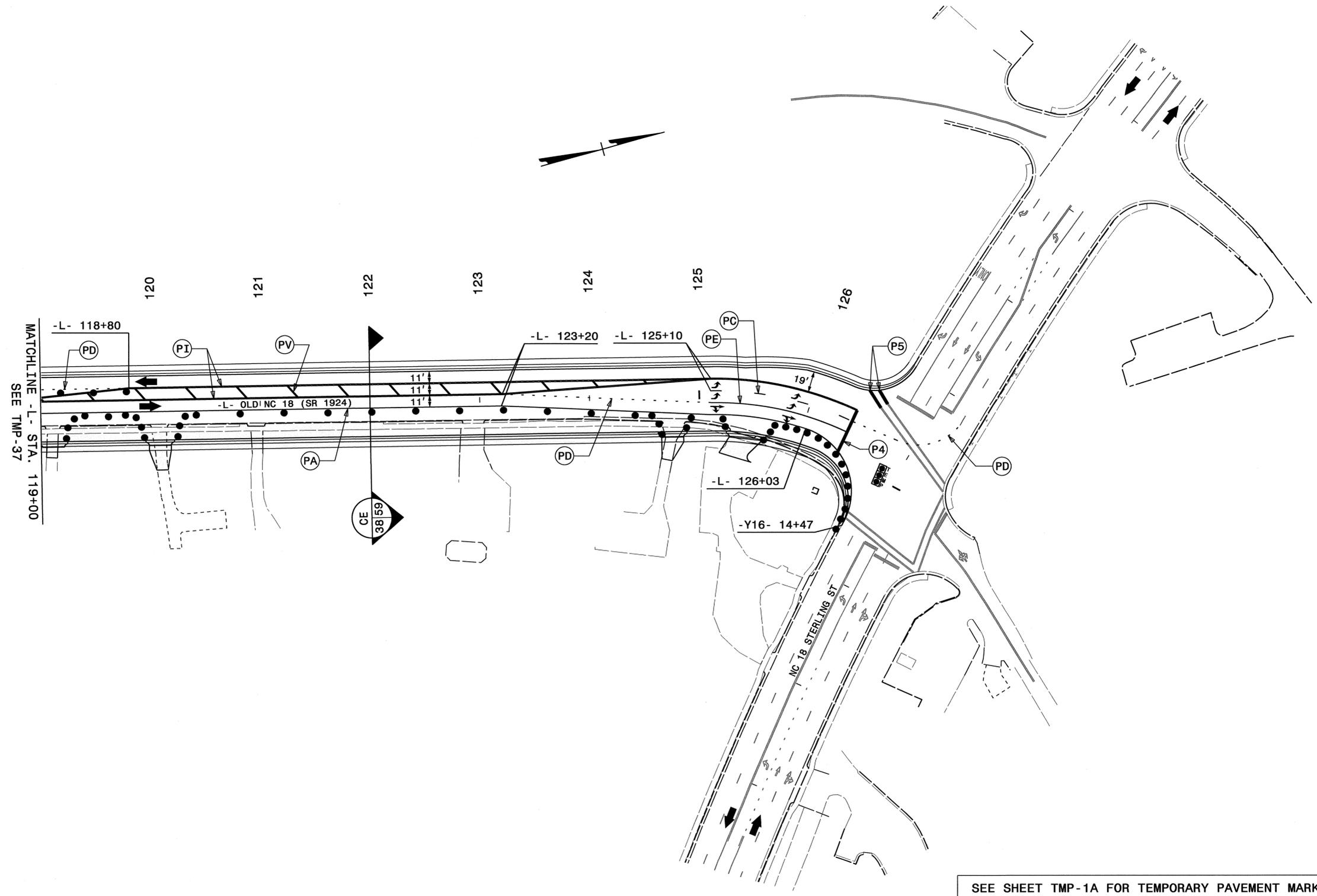
APPROVED: *[Signature]* DATE: 1/3/12

PROFESSIONAL SEAL 19862
ENGINEER
J.W. WOOLARD, JR.



PHASE II PLAN

30-DEC-2011 11:33 \\dot\cfsr\root\01\proj\31\TipProjects-U\2551\TrafficControl\TCP-U-2551.LC.TMP - TMP - 37 - PHASE - 02.dgn



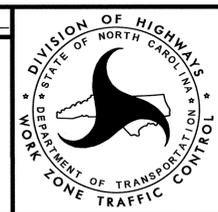
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

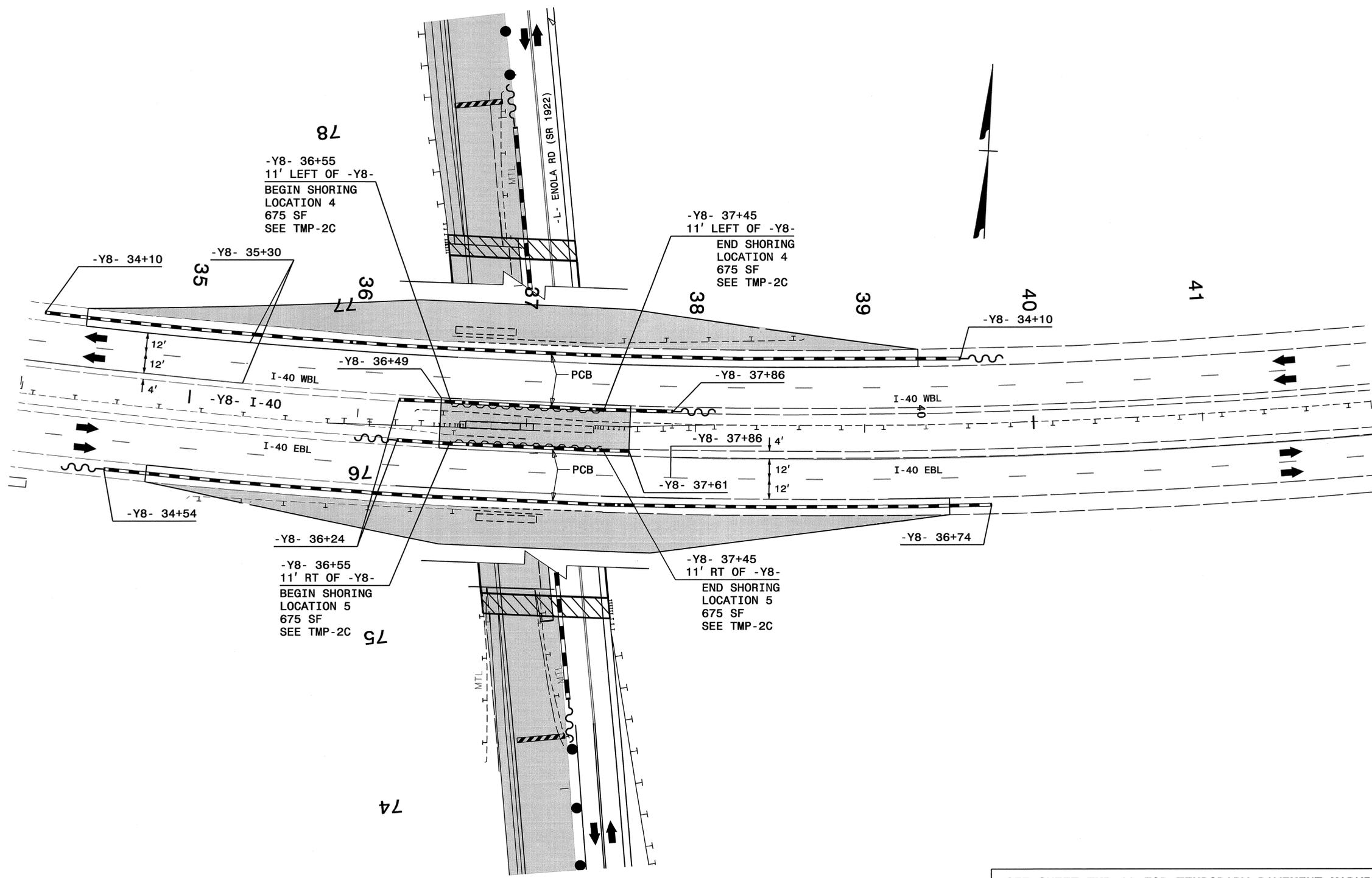
[Signature] 1/3/12

PROFESSIONAL SEAL 19862 ENGINEER J.W. WOOLARD, JR.



PHASE II PLAN

30-DEC-2011 11:28
 \dot\cfrsroot\p\3\TipProjects-U\2551\Traffic\TrafficControl\TCP\U-2551-TC-TMP-TMP-38-PHASE-02.dgn
 idonaldson AT 12/23/11 4:59

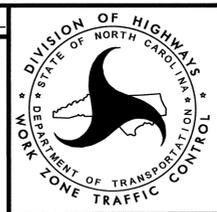


IO- JAN-2012 09:31
 \\dot\dfs\o\proj\TIP\Projects-U\U2551\TrafficControl\U-2551-TC-TMP-TMP-39-PHASE-02.dgn
 AT 1E231459
 Idonaldson

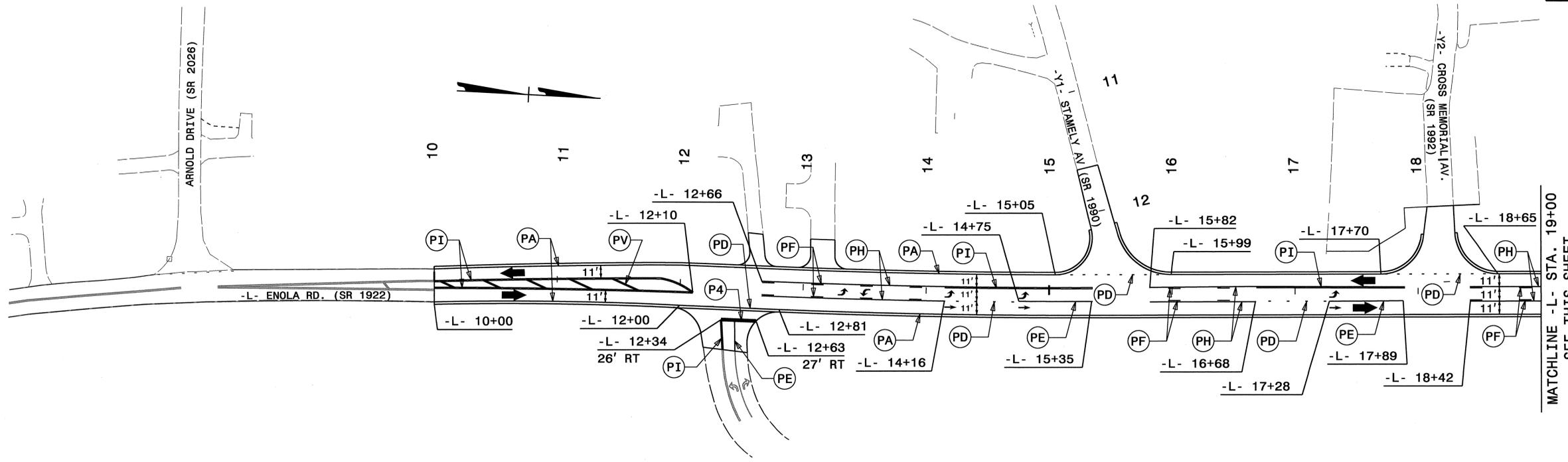
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/10/12

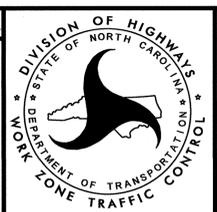


PHASE II PLAN



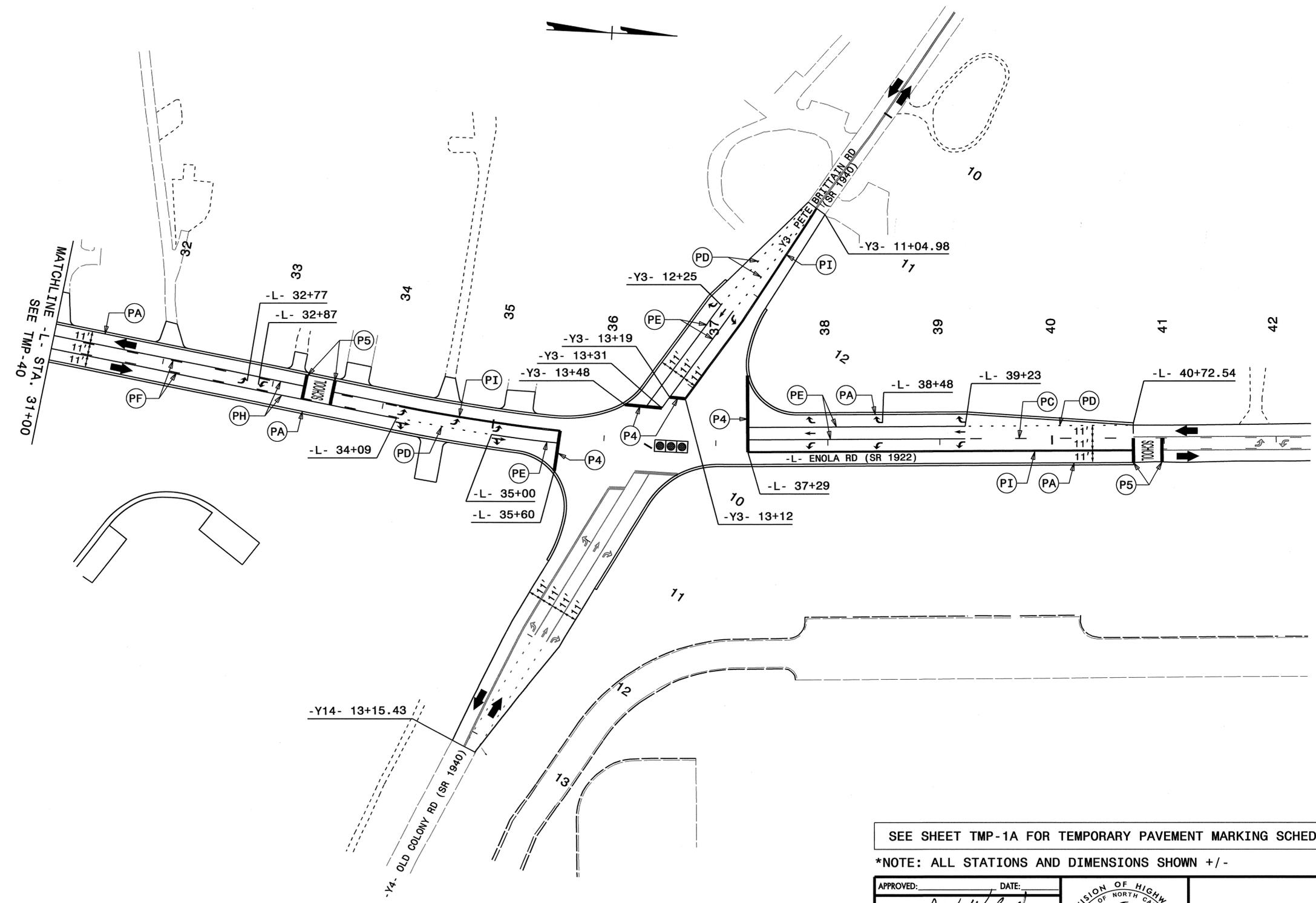
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____



PHASE III PLAN

30-DEC-2011 11:16
 \\dot\dfsroot\proj\TIP\Projects-U\2551\TrafficControl\TCP\U-2551-TMP-TMP-40_PHASE.03.dgn
 idonaldson AT E231459



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

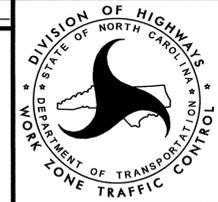
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

J. W. Woolard

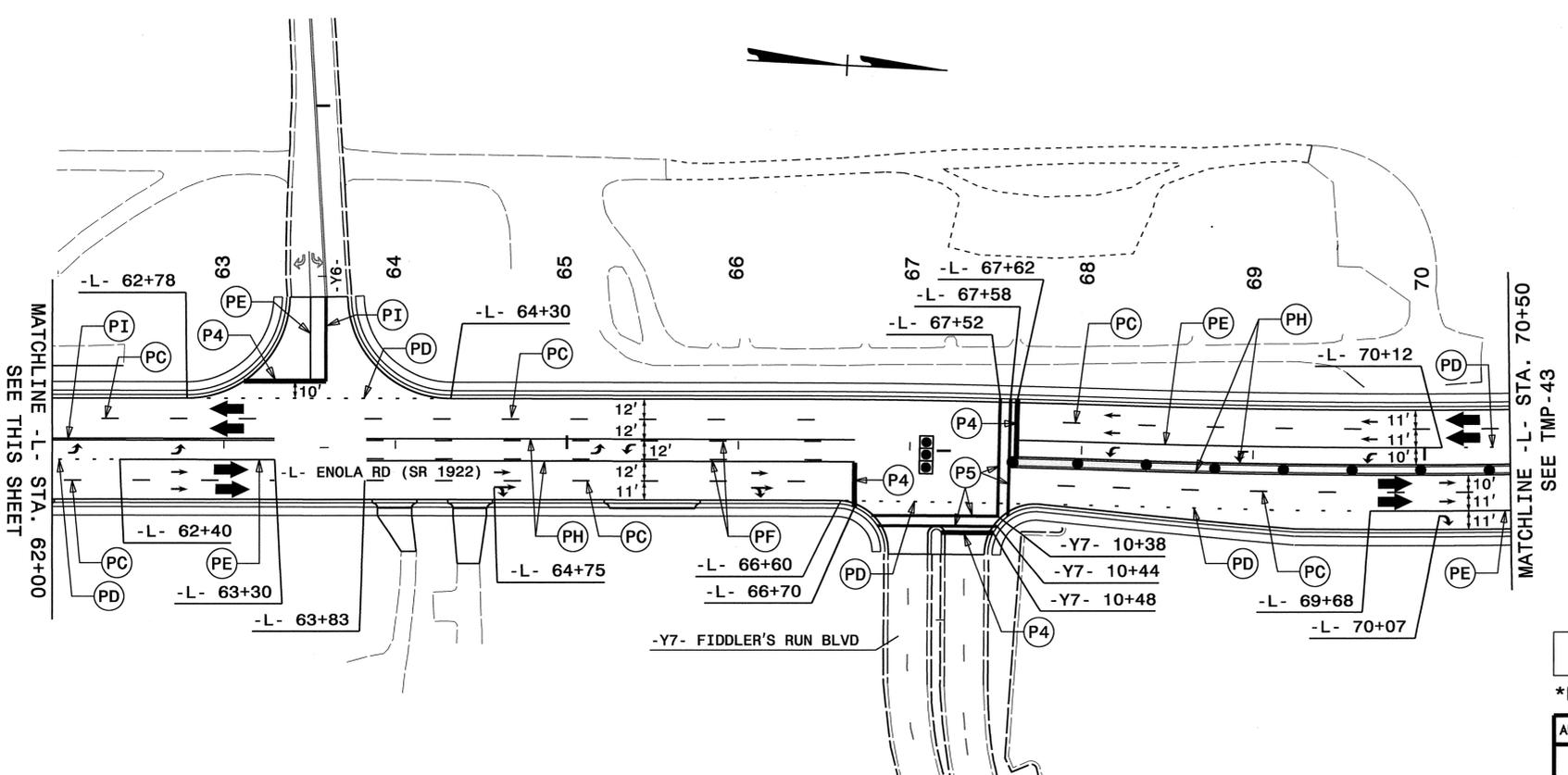
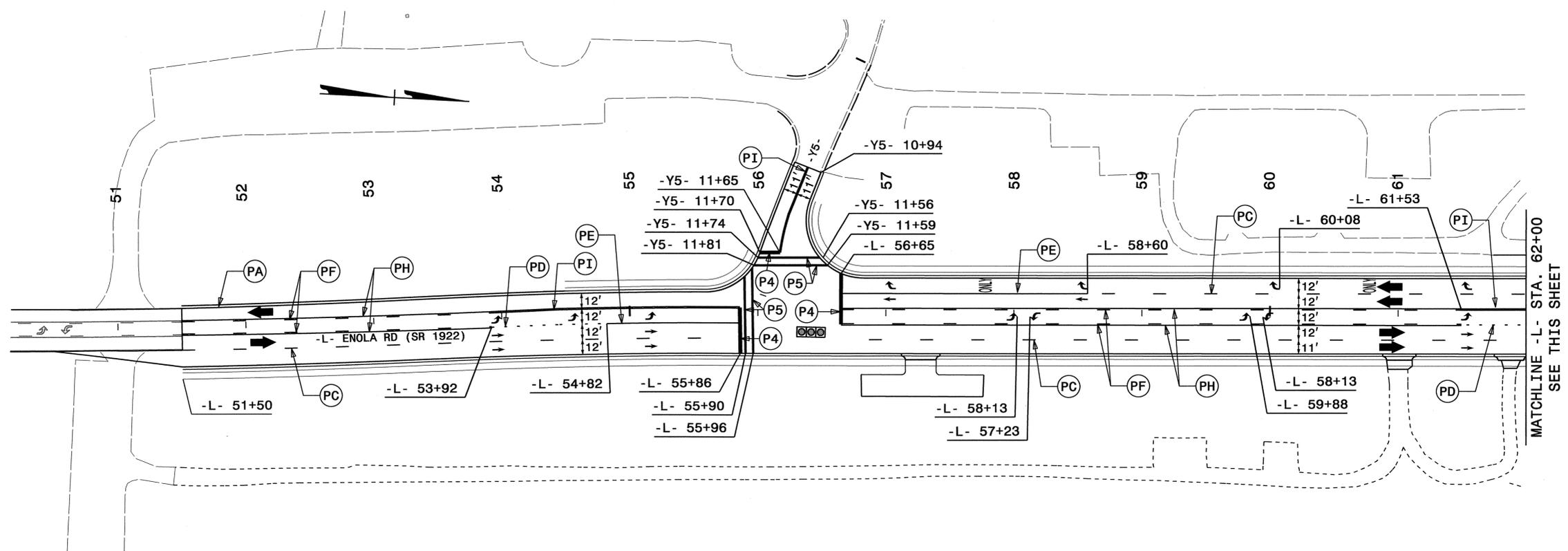
PROFESSIONAL SEAL 19862 ENGINEER J. W. WOOLARD, P.E.

1/3/12



PHASE III PLAN

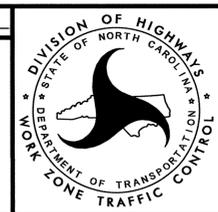
30-DEC-2011 11:12
 \\dot\dfsroot\01\proj\1\TipProjects-U\2551\TrafficControl\TCP\U-2551-TC-TMP-TMP-41-PHASE.03.dgn
 ldonaldson AT 12231439



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

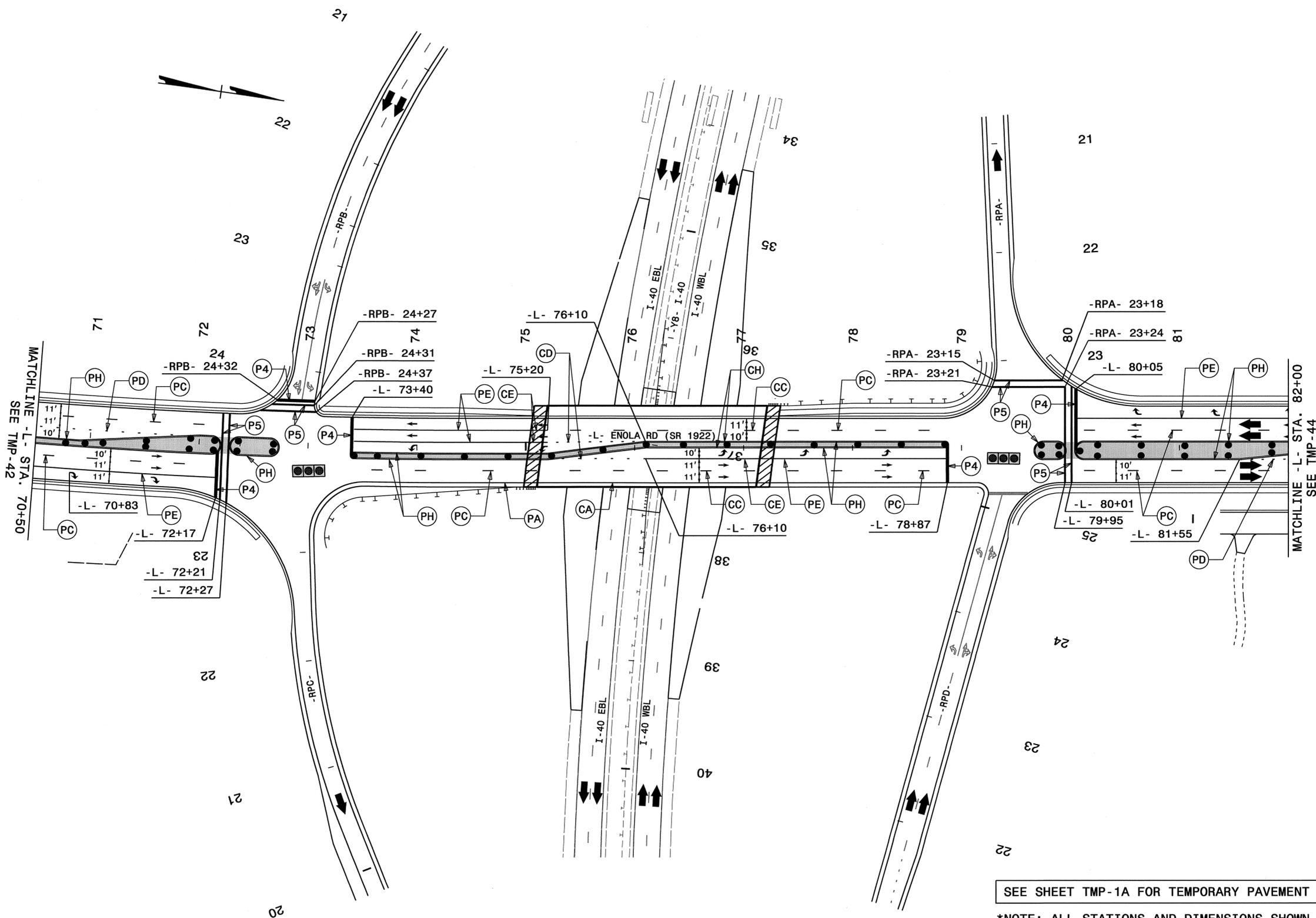
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE III PLAN

30-DEC-2011 10:09 \\dot\cfrsroot\01\31\TipProjects-U2551\TrafficControl\TCP\U-2551\TC_TMP_42_PHASE_03.dgn

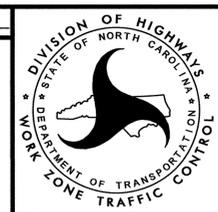


SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

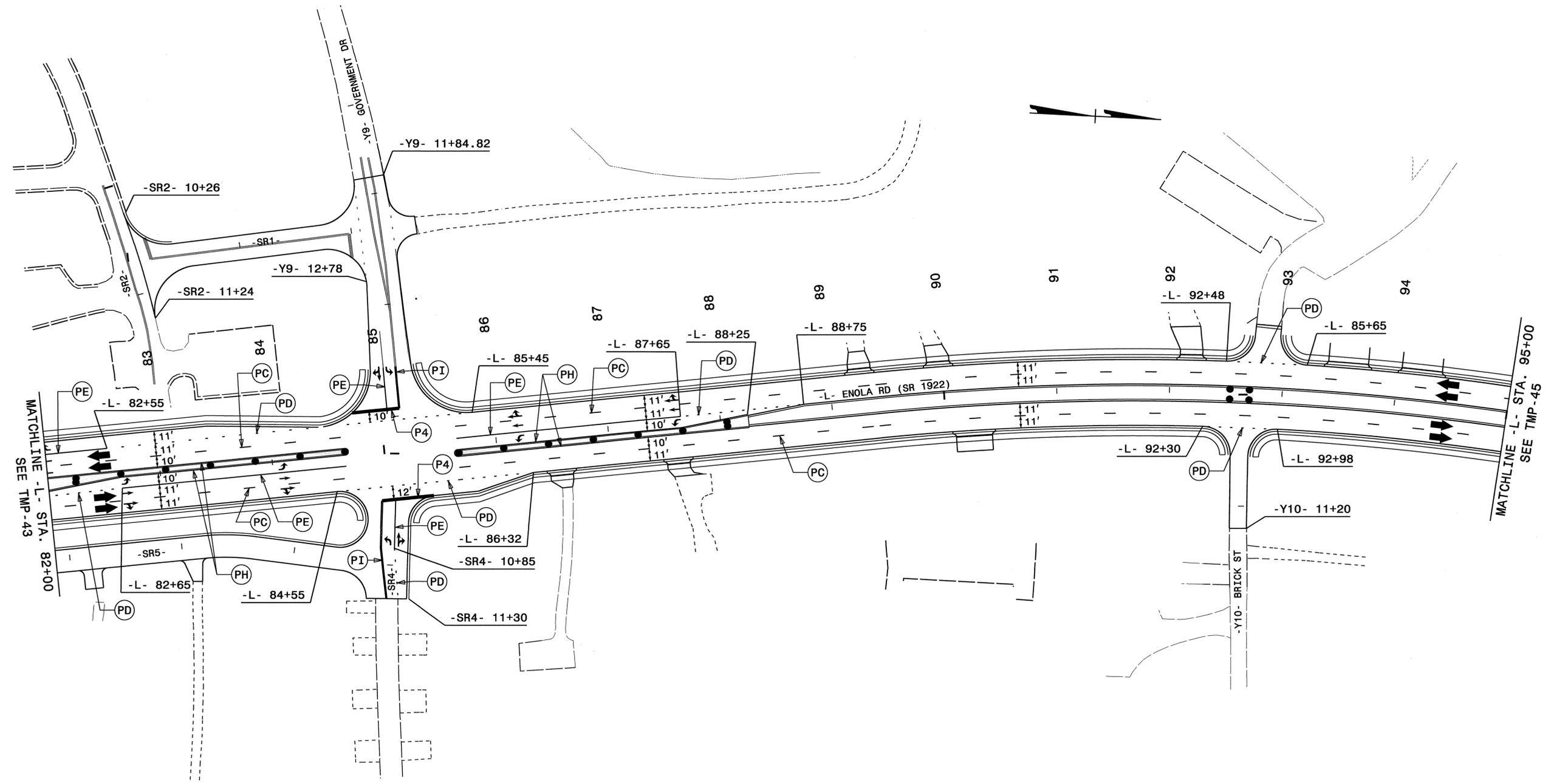
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

30-DEC-2011 10:57
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 \dot\cfrsroot\p3\TipProjects-U2551\TrafficControl\U2551\TC_TMP-TMP-43_PHASE_03.dgn
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APPROVED: _____ DATE: 1/3/12



PHASE III PLAN

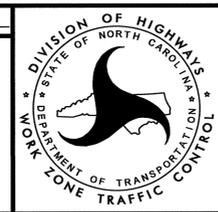


SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

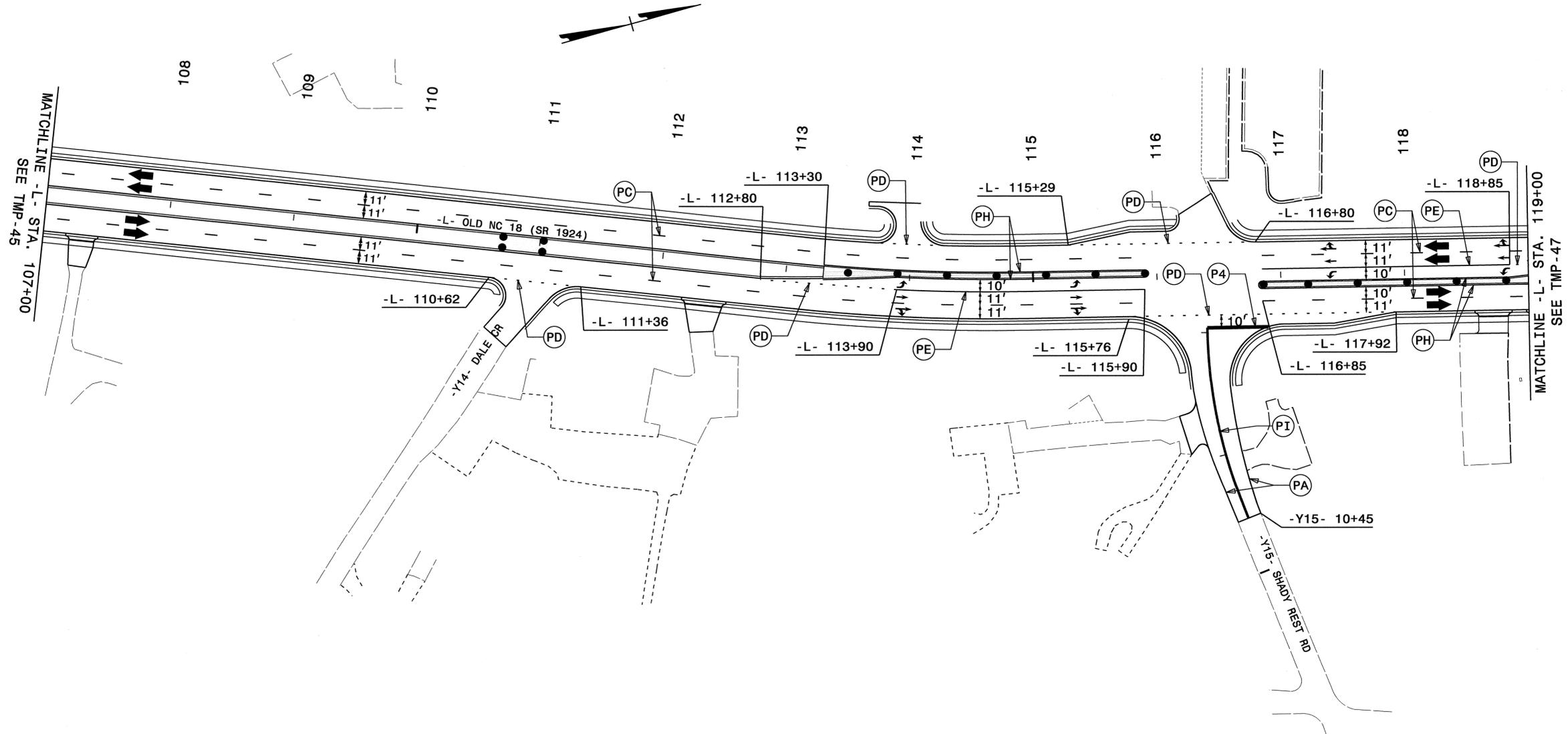
APPROVED: *[Signature]* DATE: 1/3/12

PROFESSIONAL SEAL 19862
 ENGINEER
 J. W. WOOLARD, JR.



PHASE III PLAN

30-DEC-2011 10:23
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 Donaldson AT 1E231489

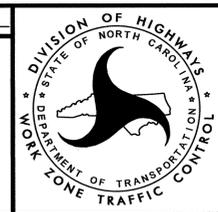


30-DEC-2011 09:47
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 Donaldson AT 1231439

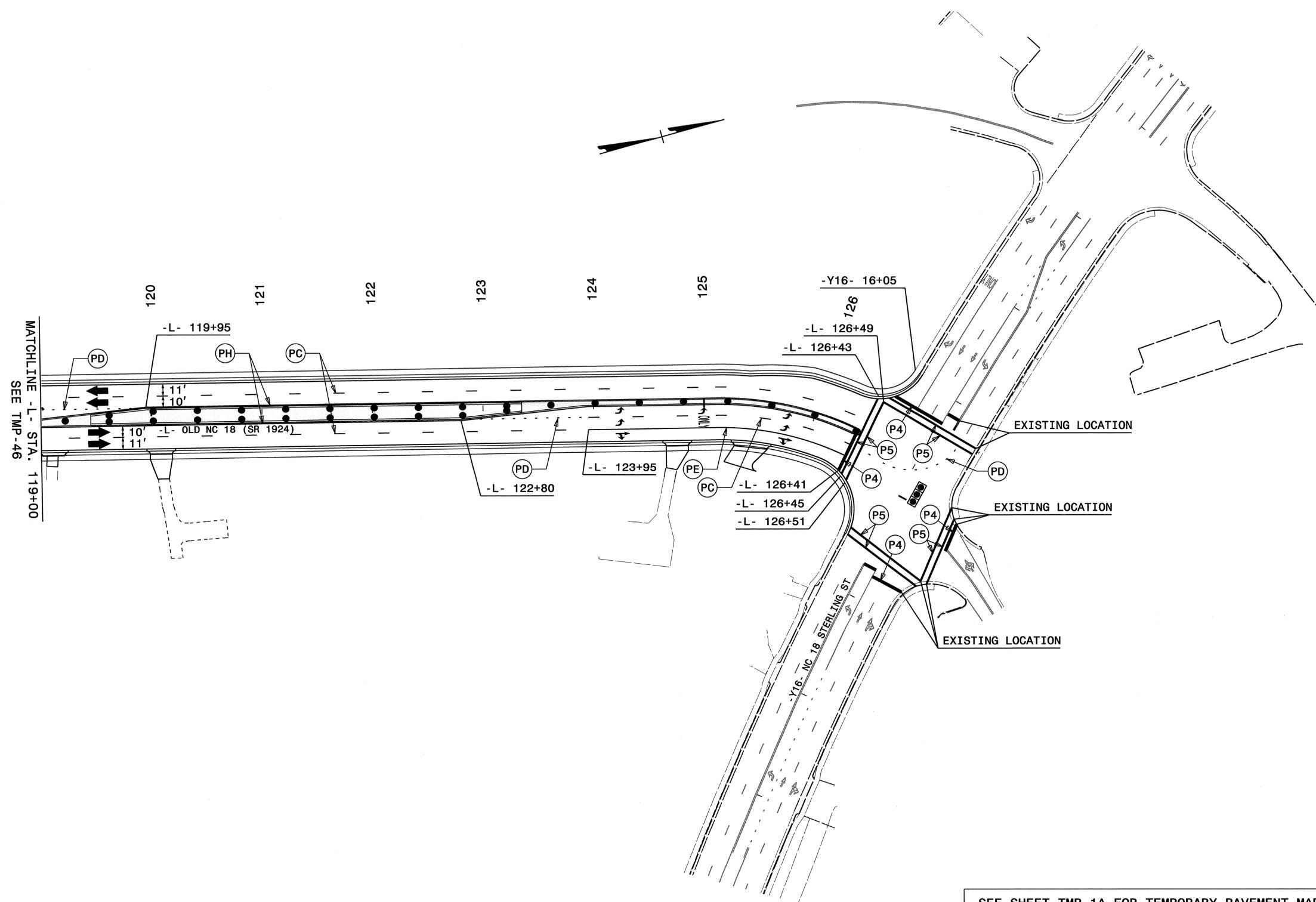
SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: *[Signature]* DATE: 1/3/12



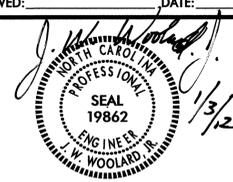
PHASE III PLAN



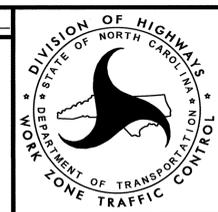
30-DEC-2011 09:44
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 iconidison AT 1231459

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

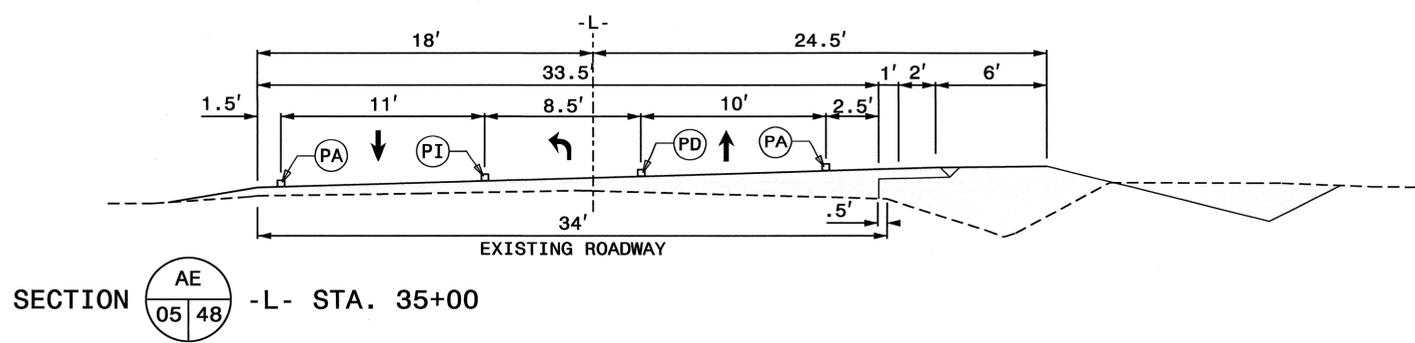
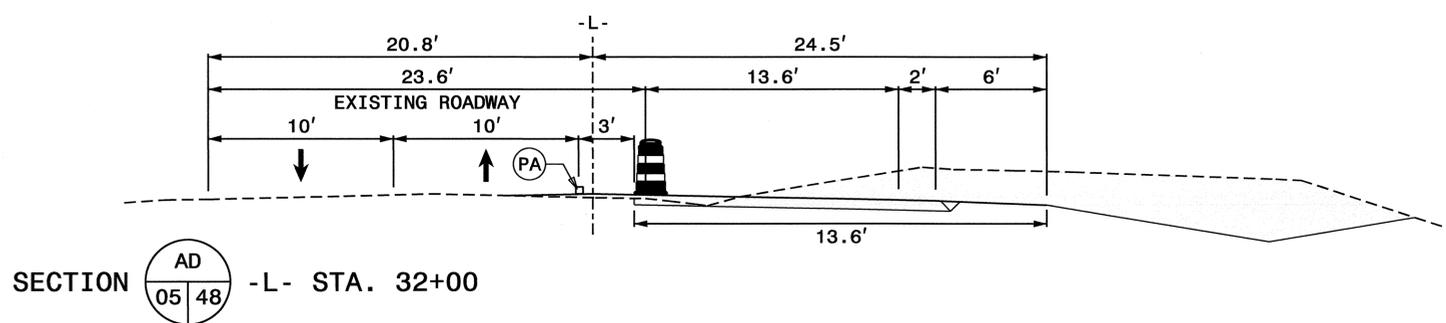
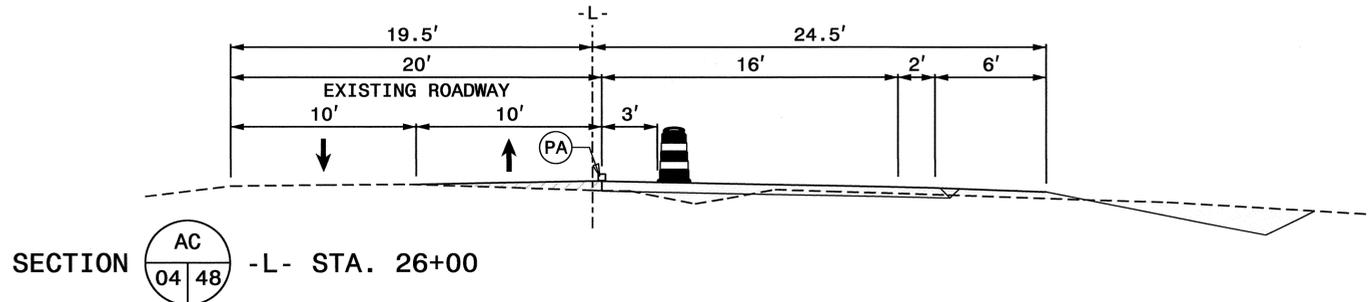
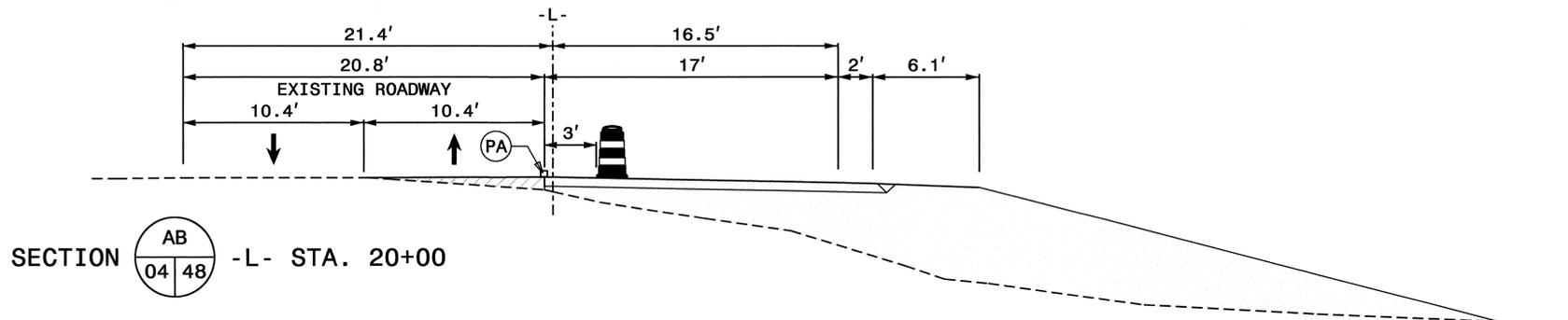
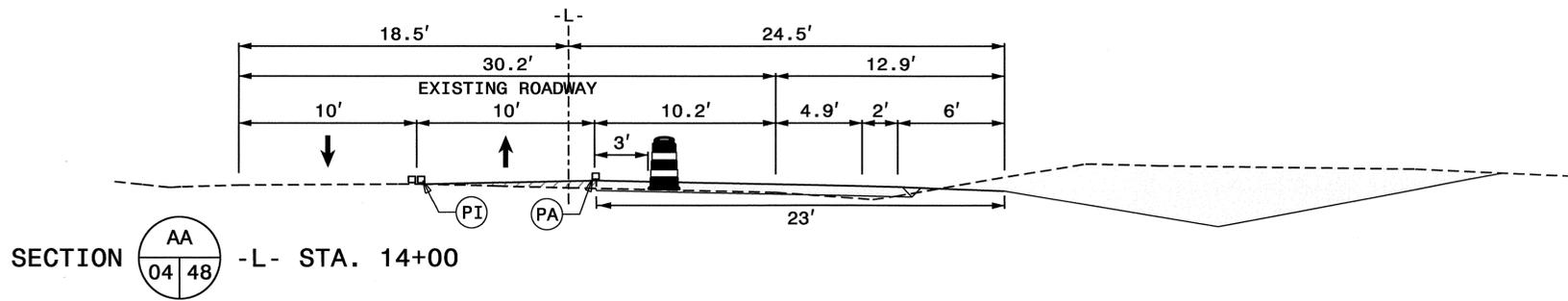
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED:  DATE: 1/3/12





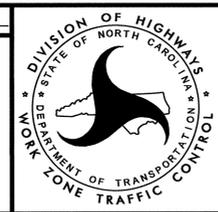
PHASE III PLAN



SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

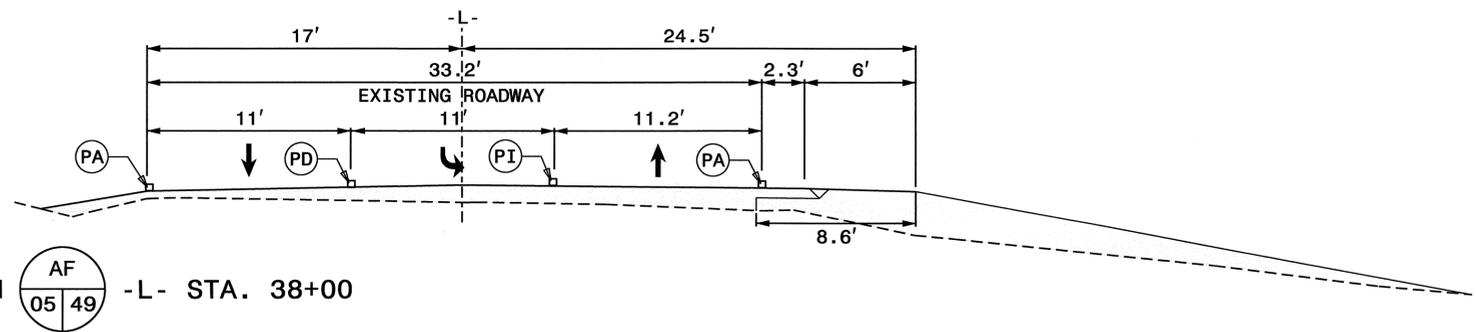
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE I
SECTIONS AA - AE

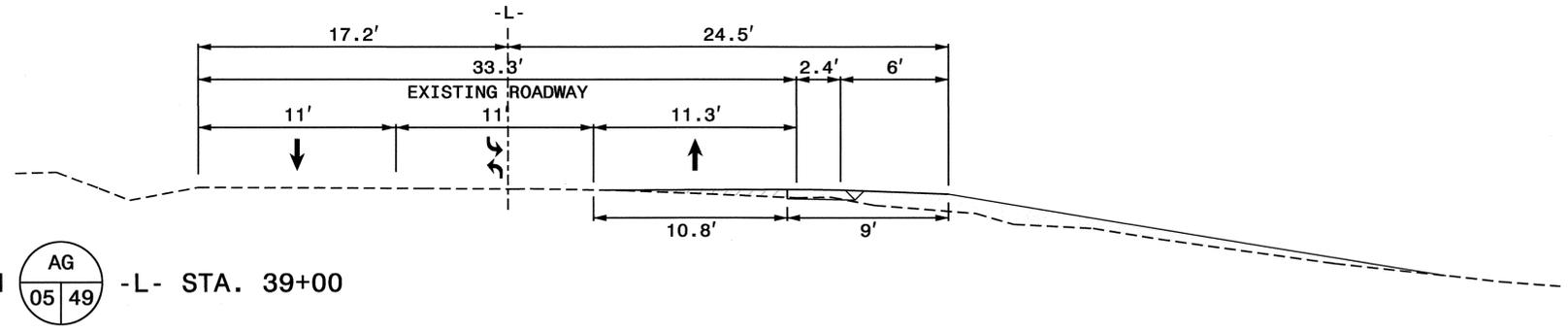
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SECTION

AF
05 49

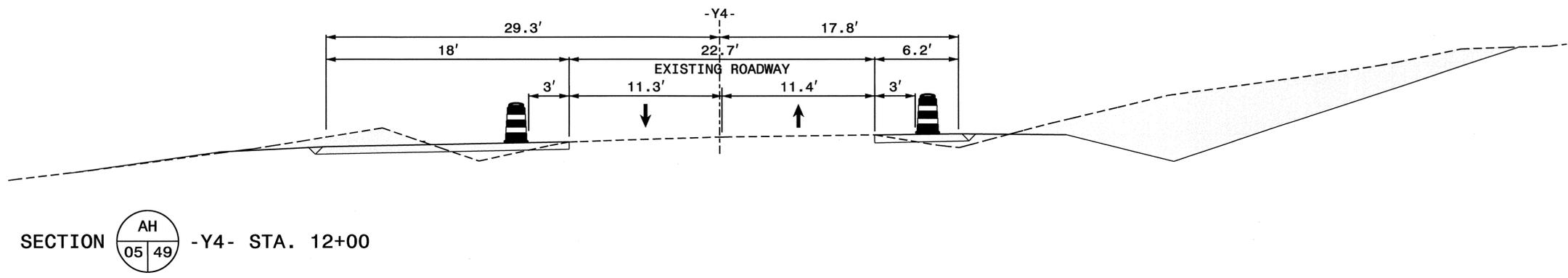
 -L- STA. 38+00



SECTION

AG
05 49

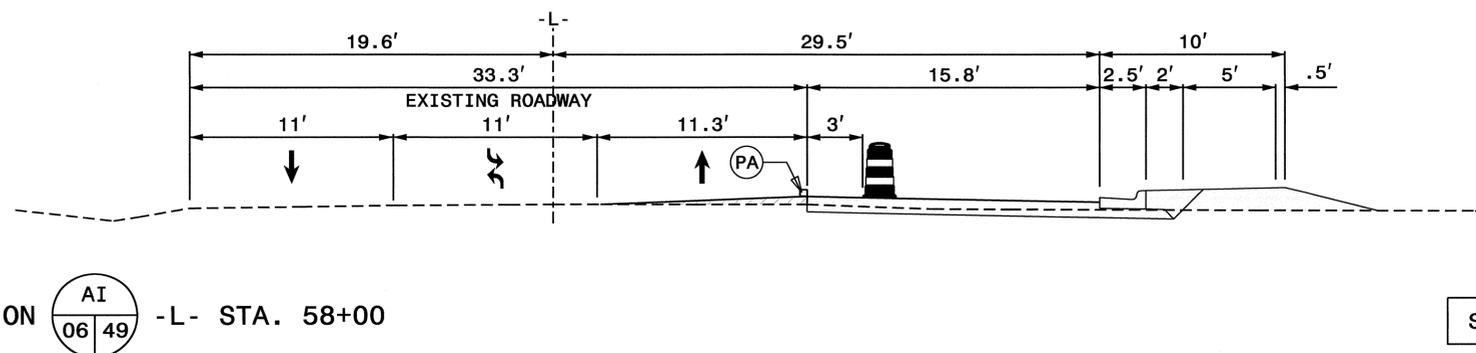
 -L- STA. 39+00



SECTION

AH
05 49

 -Y4- STA. 12+00



SECTION

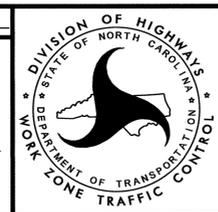
AI
06 49

 -L- STA. 58+00

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

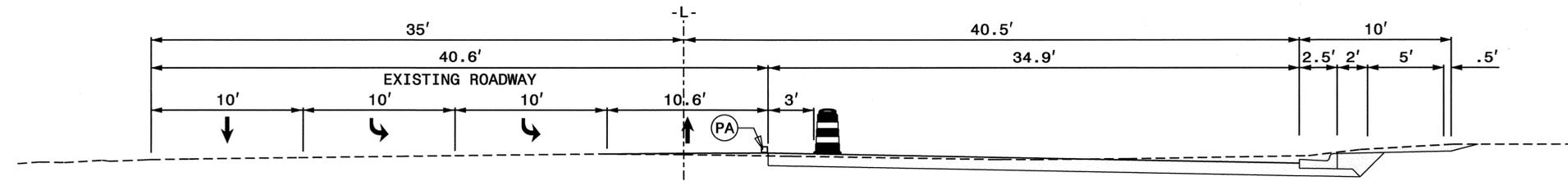
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE:

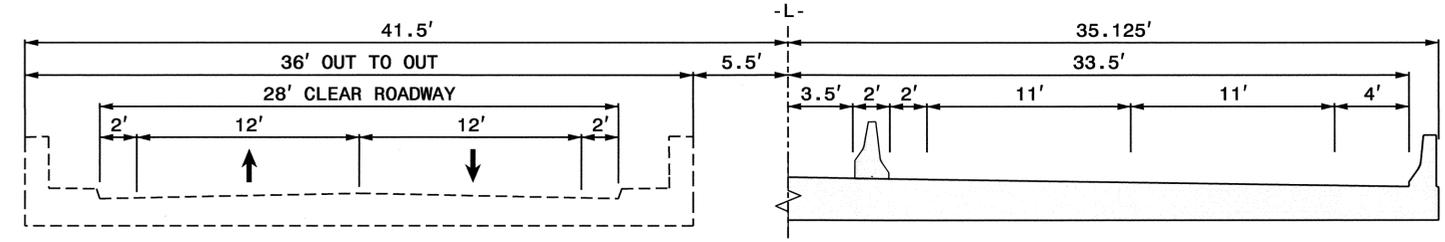


PHASE I
SECTIONS AF - AI

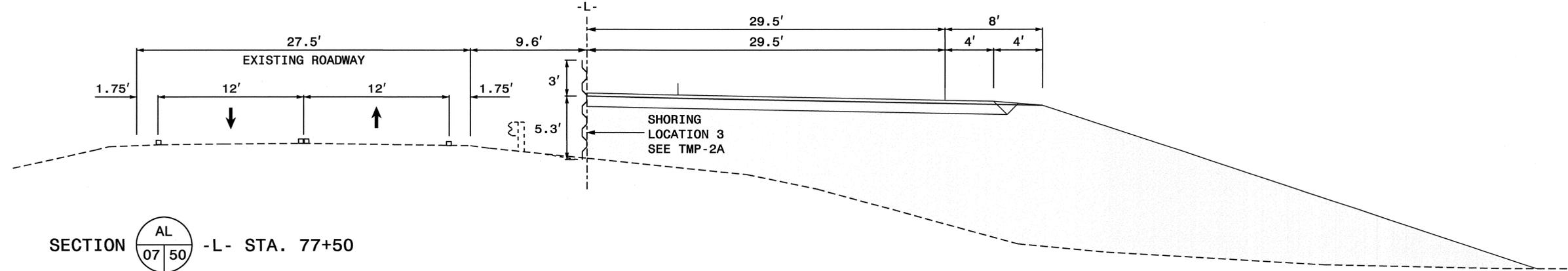
30-DEC-2011 09:36 \\dot\dfsroot\p3\TipProjects-U\2551\TrafficControl\TCP\U-2551.TC.TMP-TMP-49.dgn



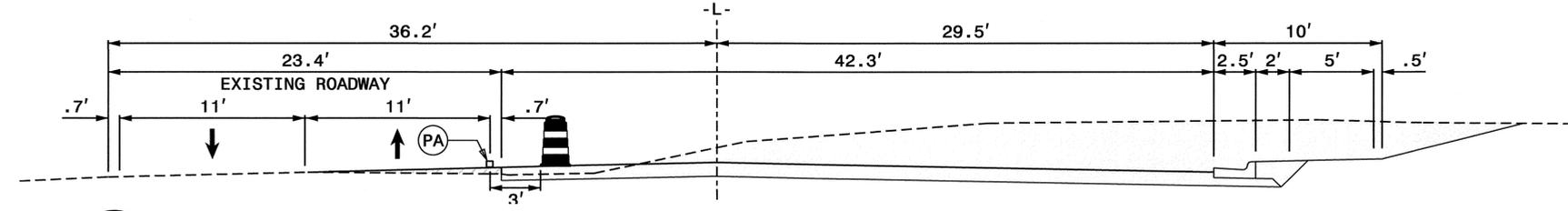
SECTION $\frac{AJ}{06\ 50}$ -L- STA. 70+00



SECTION $\frac{AK}{07\ 50}$ -L- BRIDGE SECTION



SECTION $\frac{AL}{07\ 50}$ -L- STA. 77+50

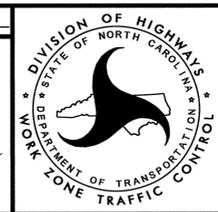


SECTION $\frac{AM}{07\ 50}$ -L- STA. 81+00

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

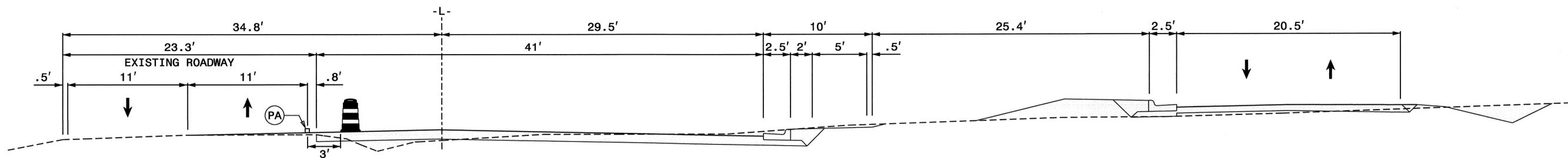
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____



PHASE I
 SECTIONS AJ - AM

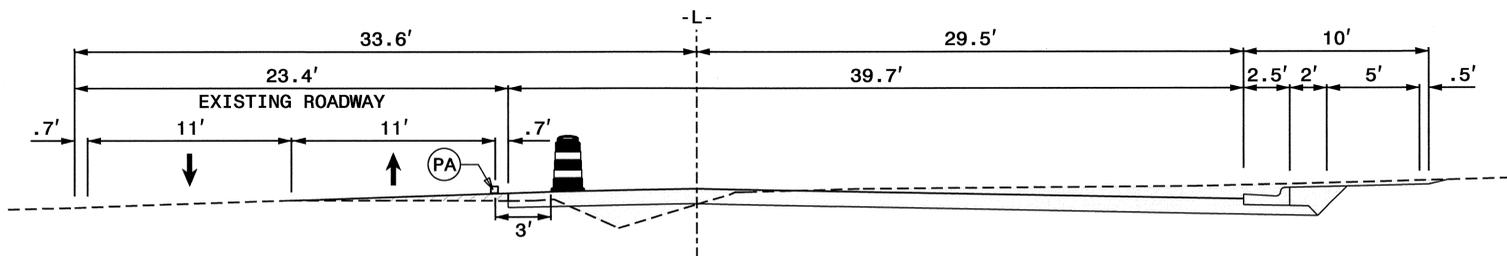
30-DEC-2011 09:35
 N:\dot\cfsroot\01\30\Traffic\TrafficControl\TCP\U-2551\TC_TMP-TMP-50.dgn
 Donaldson AT 12231439



SECTION

AN
10 51

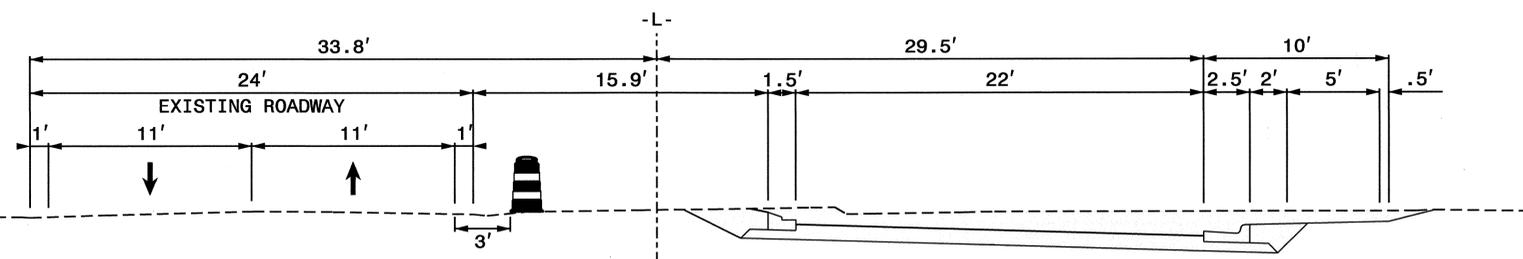
 -L- STA. 84+00



SECTION

AO
10 51

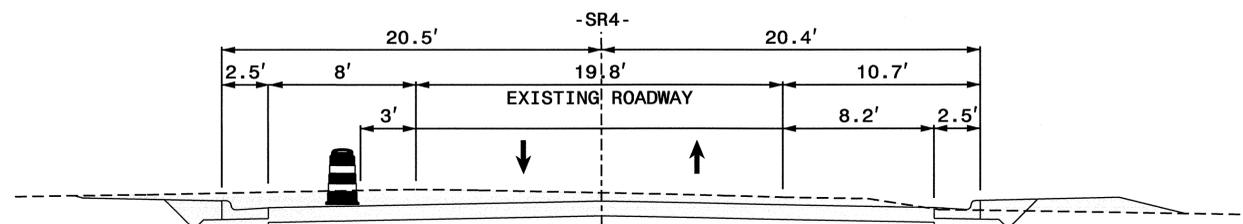
 -L- STA. 87+00



SECTION

AP
10 51

 -L- STA. 90+00



SECTION

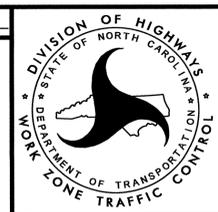
AQ
10 51

 -SR4- STA. 11+00

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

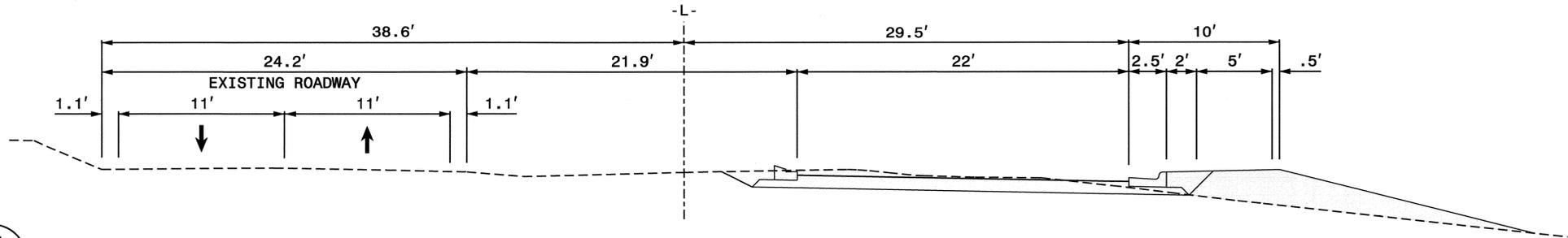
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE I
SECTIONS AN - AQ

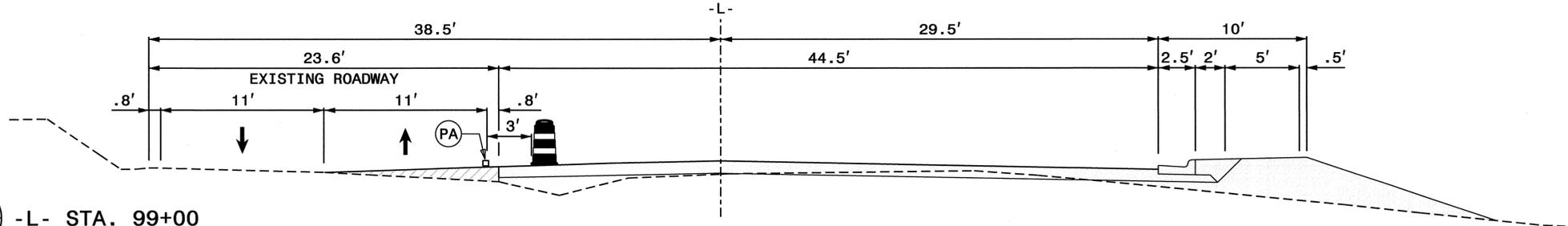
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SECTION

AR
11 52

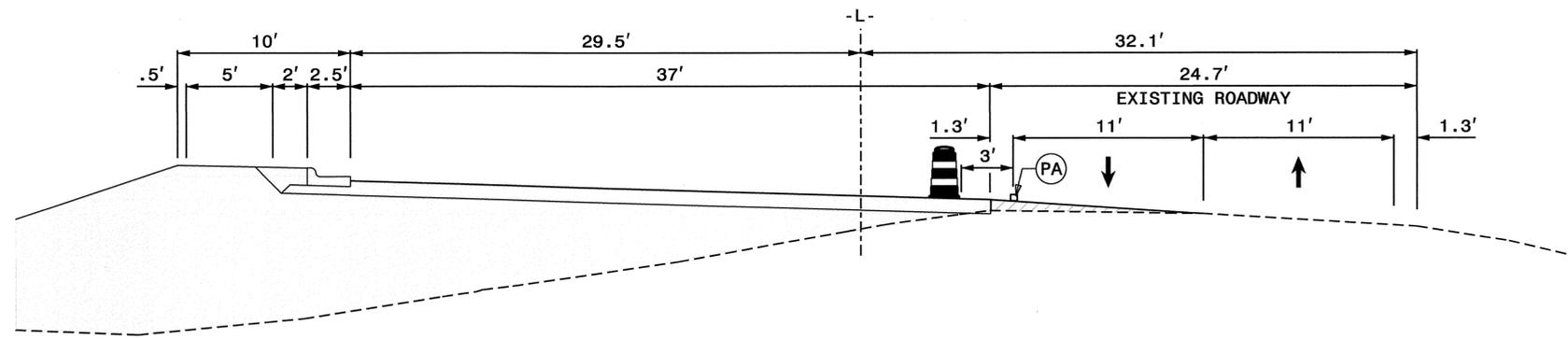
 -L- STA. 96+00



SECTION

AS
11 52

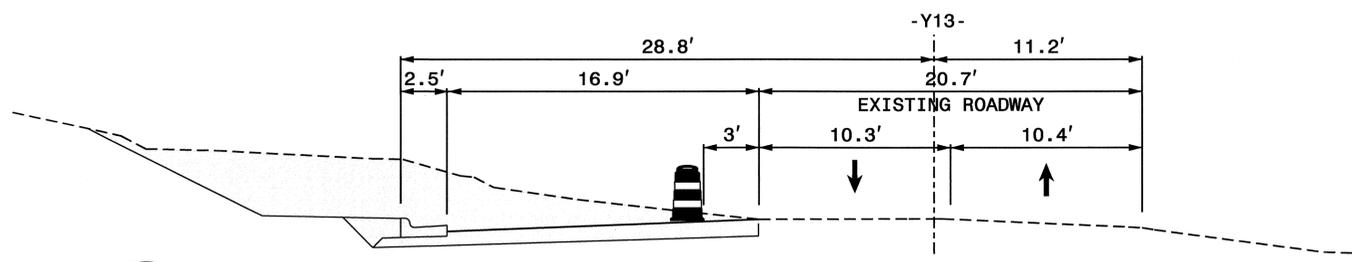
 -L- STA. 99+00



SECTION

AT
11 52

 -L- STA. 104+00



SECTION

AU
11 52

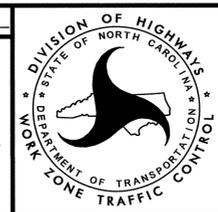
 -Y13- STA. 13+50

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

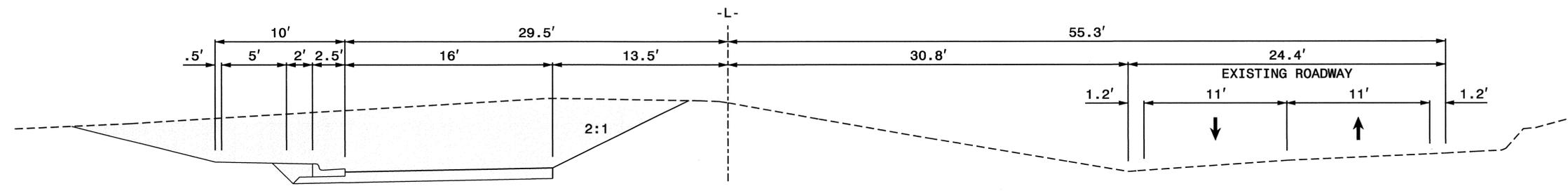
APPROVED: _____ DATE: _____

[Professional Engineer Seal]
 PROFESSIONAL ENGINEER
 SEAL 19862
 J.W. WOOLARD, JR.
 1/3/12

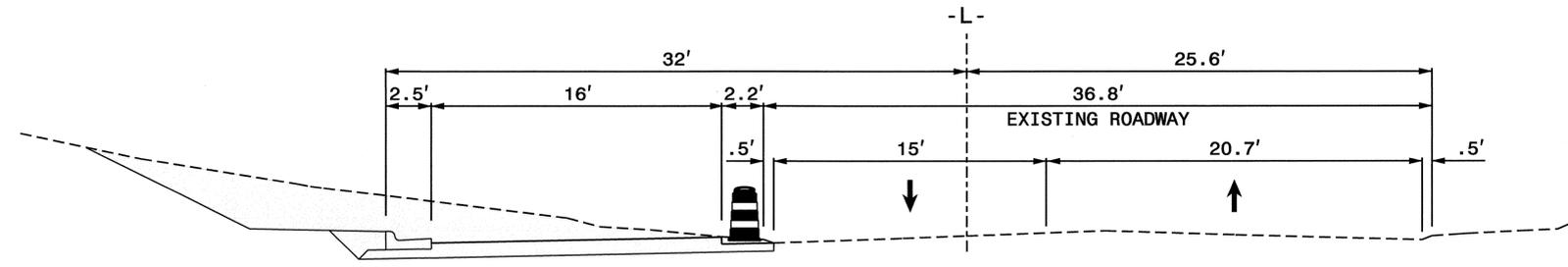


PHASE I
 SECTIONS AR - AU

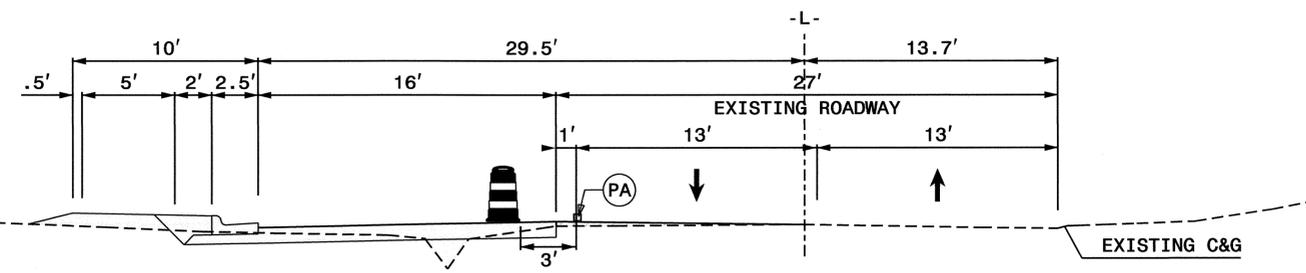
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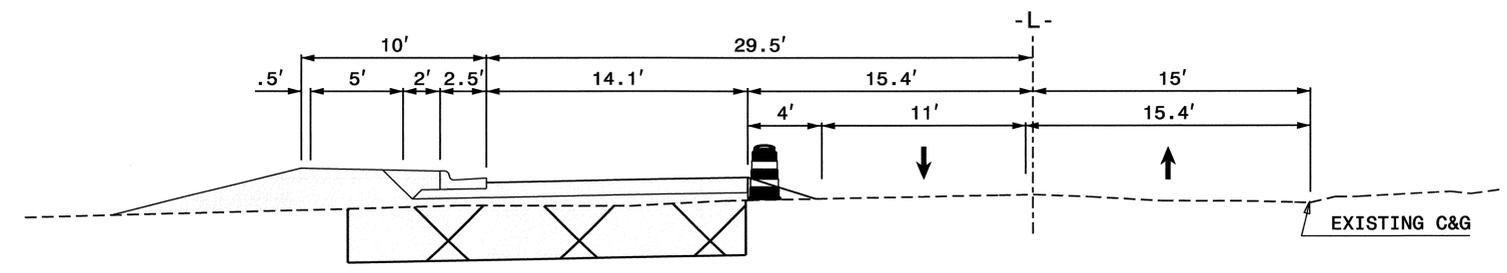
SECTION $\frac{AV}{12 \ 53}$ -L- STA. 109+00



SECTION $\frac{AW}{12 \ 53}$ -L- STA. 113+00



SECTION $\frac{AX}{12 \ 53}$ -L- STA. 115+00

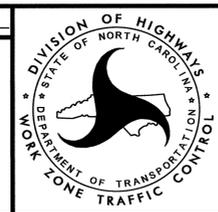


SECTION $\frac{AY}{13 \ 53}$ -L- STA. 120+00

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

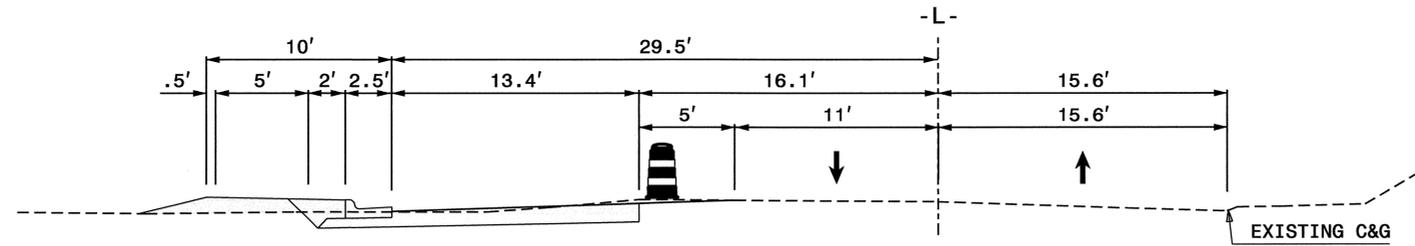
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: 1/3/12

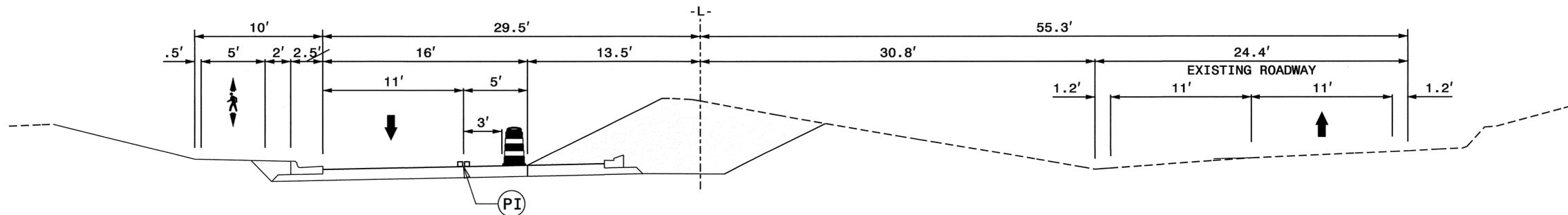


PHASE I
SECTIONS AV - AY

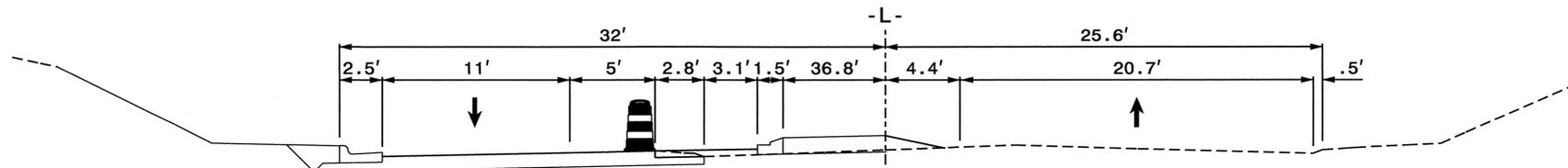
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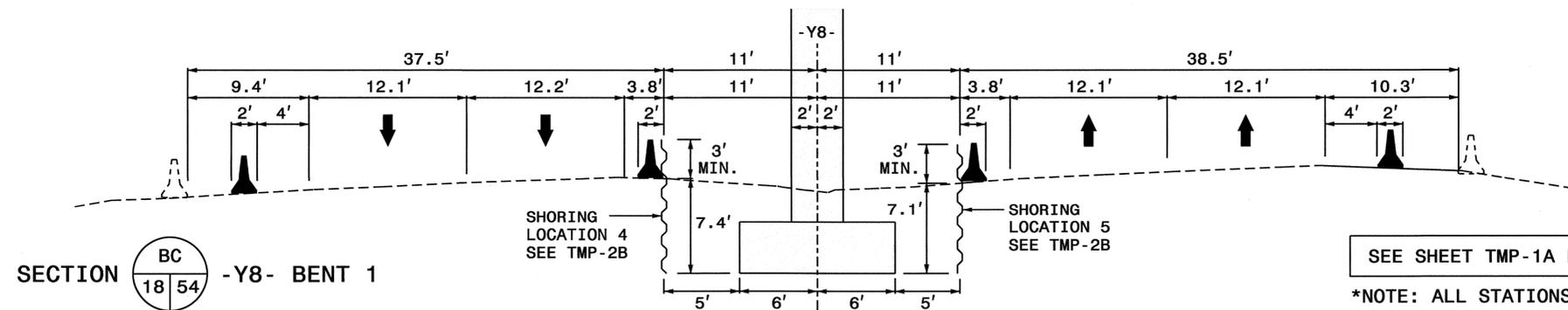
SECTION $\frac{AZ}{13 \ 54}$ -L- STA. 122+00



SECTION $\frac{BA}{15 \ 54}$ -L- STA. 109+00



SECTION $\frac{BB}{15 \ 54}$ -L- STA. 113+00

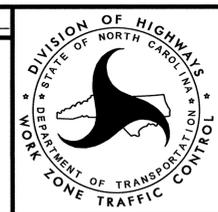


SECTION $\frac{BC}{18 \ 54}$ -Y8- BENT 1

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

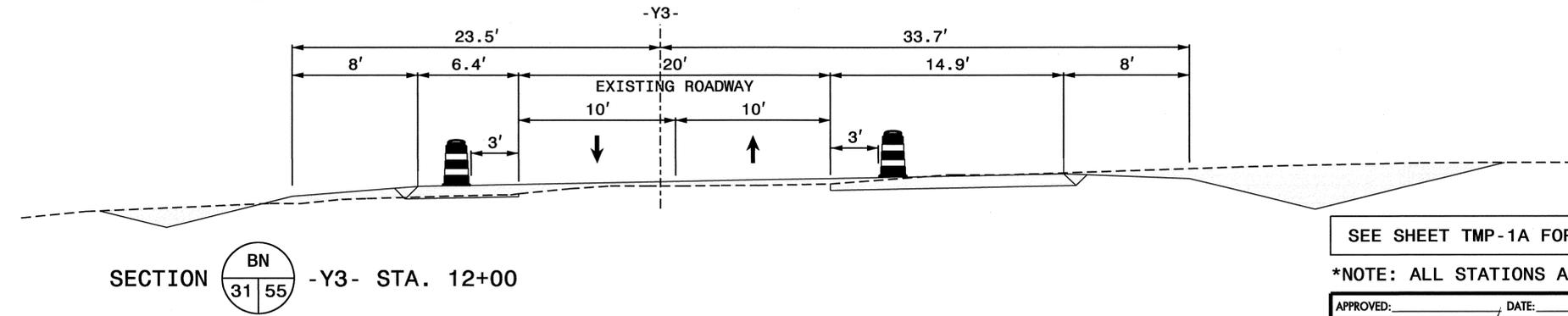
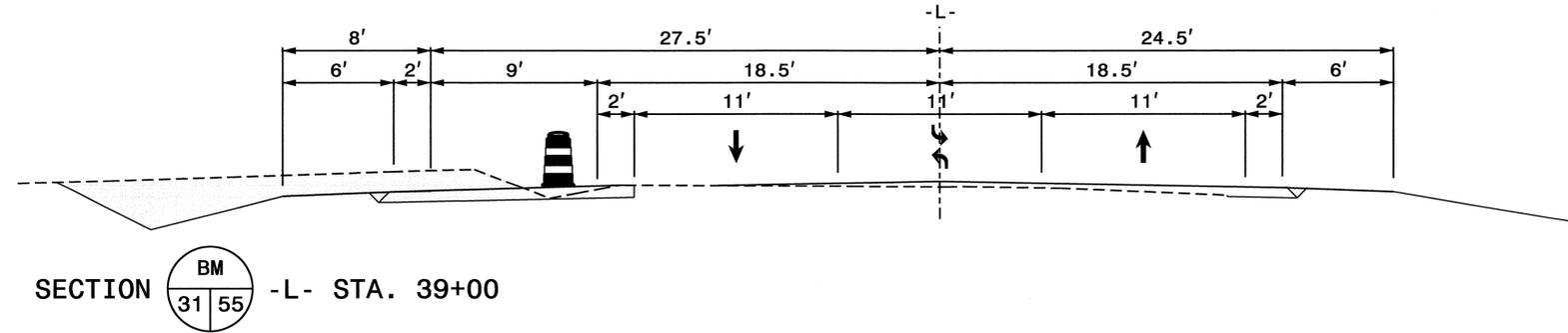
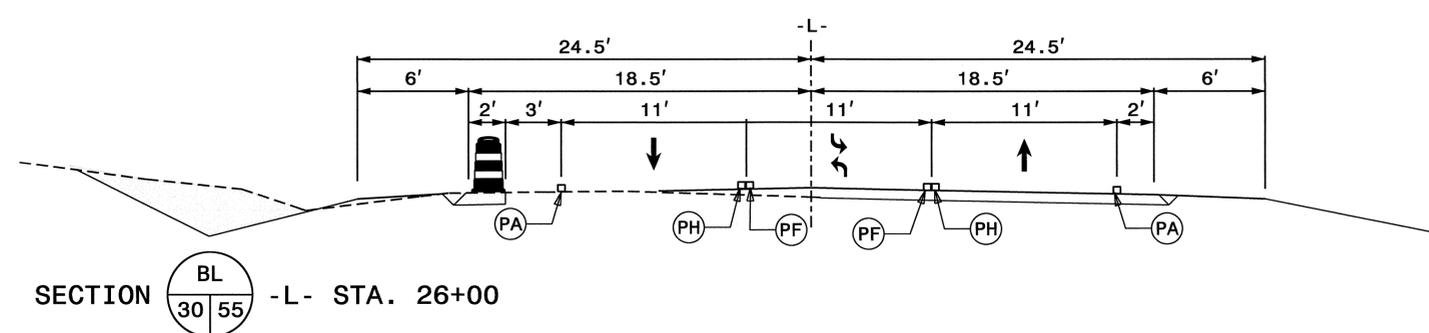
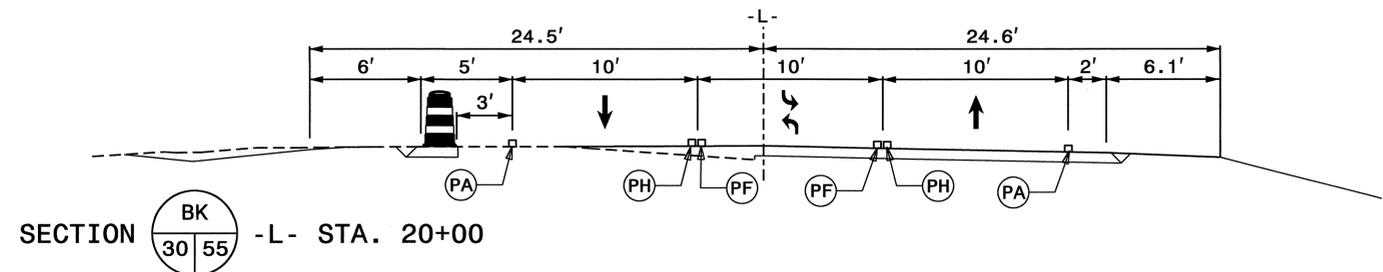
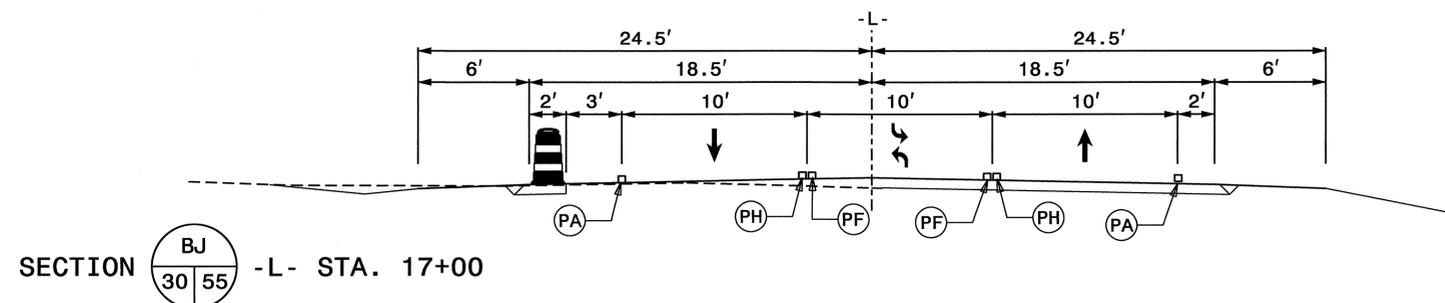
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____



PHASE I
SECTIONS AZ - BC

30-DEC-2011 09:42 \\dot\dfsroot\01\31\TipProjects-U2551\TrafficControl\TCP\U-2551-LC-TMP-TMP-54.dgn

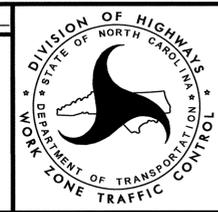


SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

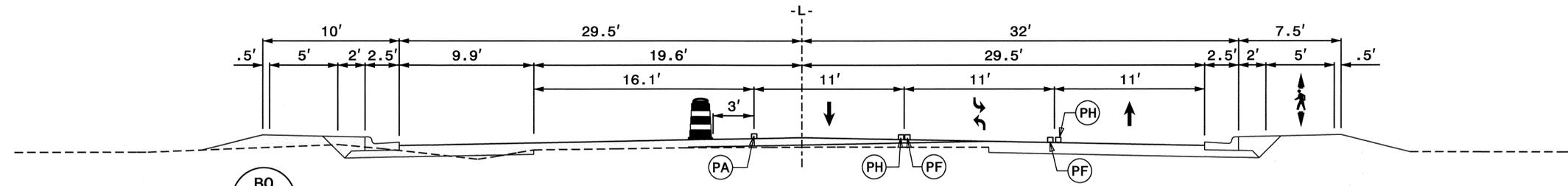
APPROVED: *[Signature]* DATE: 1/3/12

PROFESSIONAL SEAL 19862
W. WOOLARD, P.E.
NORTH CAROLINA

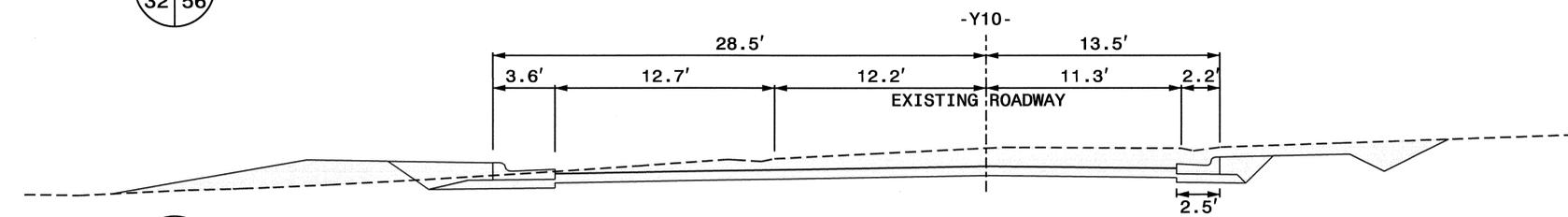


PHASE II
SECTIONS BJ - BN

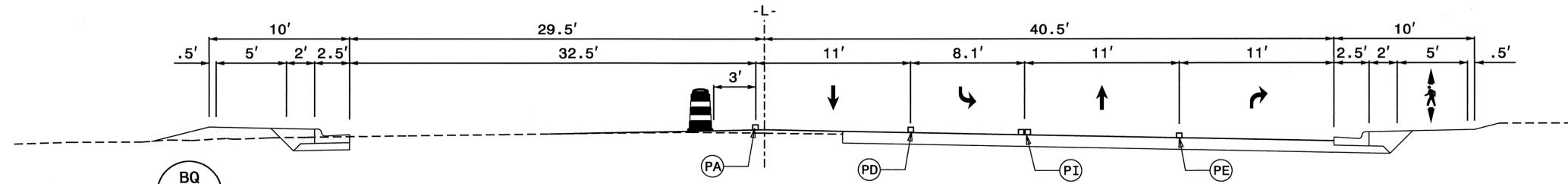
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10/11/2011 11:49:31



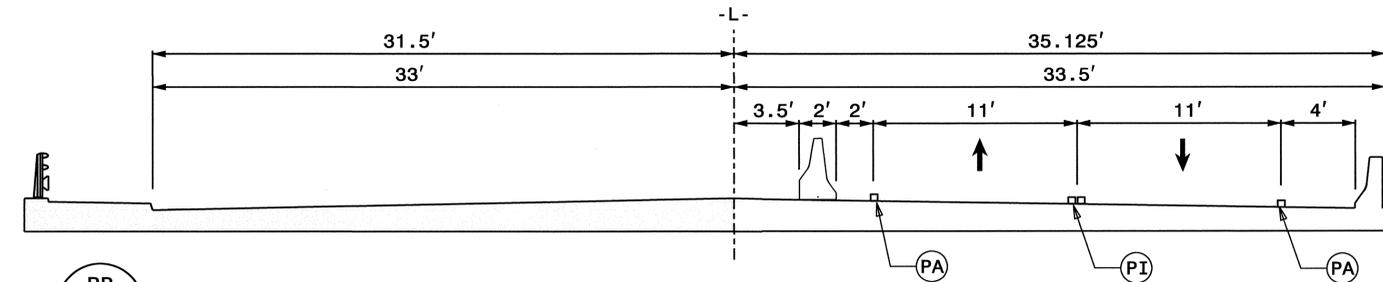
SECTION $\frac{B0}{32 \ 56}$ -L- STA. 58+00



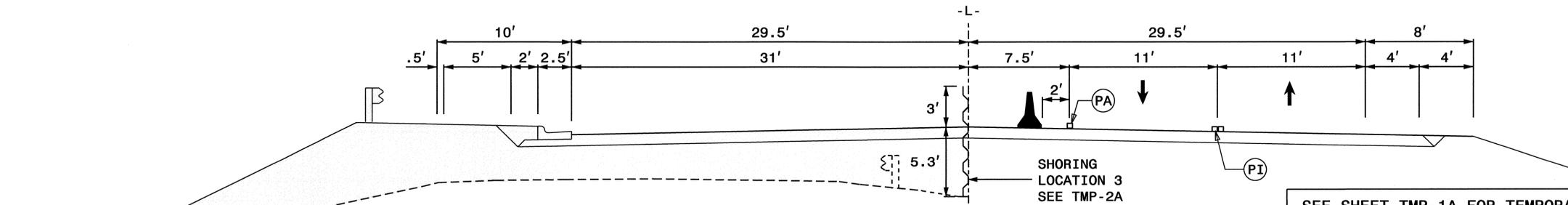
SECTION $\frac{BP}{32 \ 56}$ -Y5- STA. 11+50



SECTION $\frac{BQ}{33 \ 56}$ -L- STA. 70+00



SECTION $\frac{BR}{34 \ 56}$ -L- BRIDGE SECTION

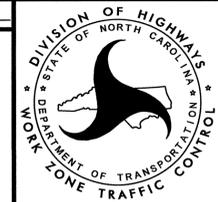


SECTION $\frac{BS}{34 \ 56}$ -L- STA. 77+50

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

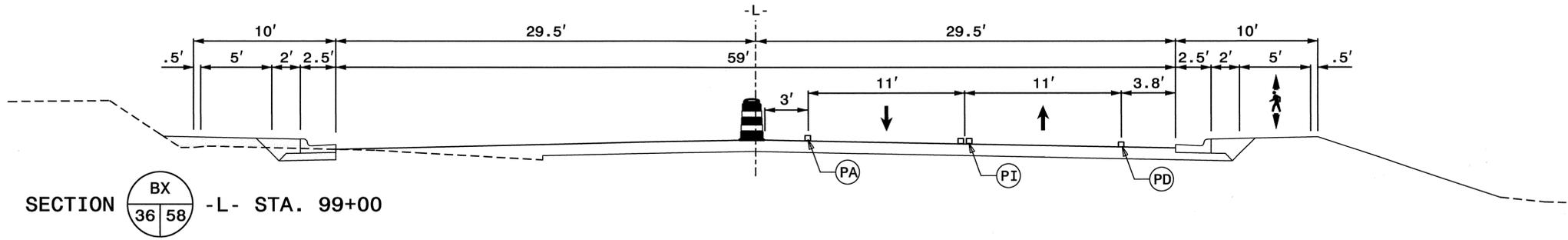
*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: _____ DATE: _____

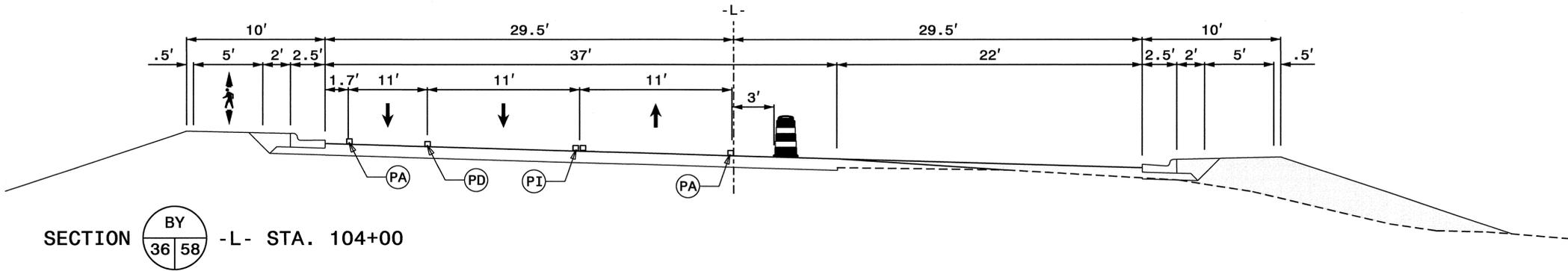


PHASE II
 SECTIONS B0 - BS

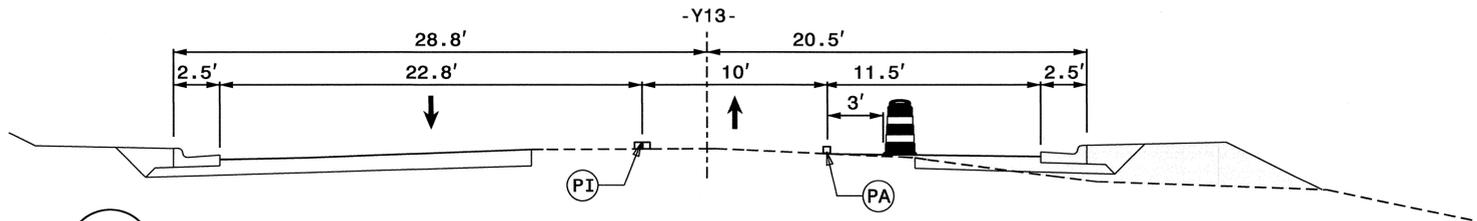
29-DEC-2011 16:25
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 lgonaldson AT 12:23:45



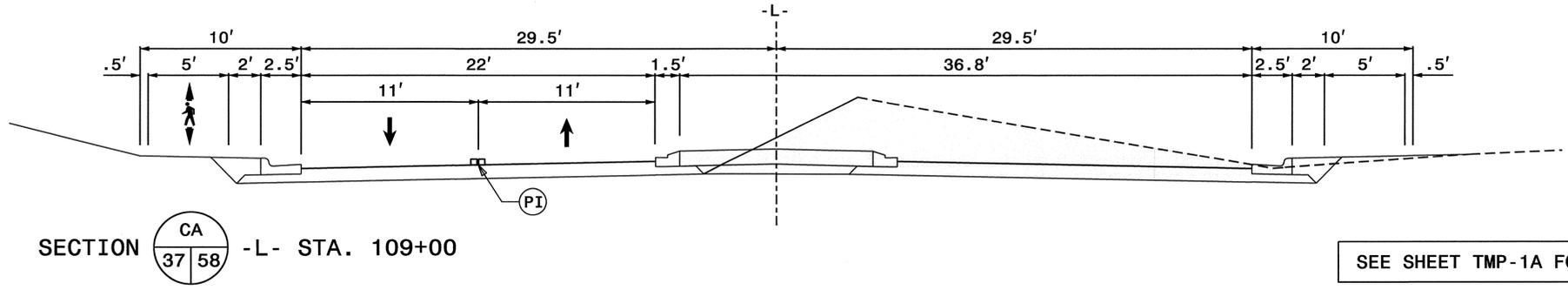
SECTION $\frac{BX}{36 \ 58}$ -L- STA. 99+00



SECTION $\frac{BY}{36 \ 58}$ -L- STA. 104+00



SECTION $\frac{BZ}{36 \ 58}$ -Y13- STA. 13+50



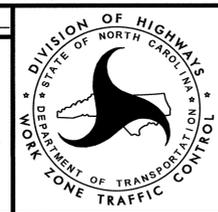
SECTION $\frac{CA}{37 \ 58}$ -L- STA. 109+00

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

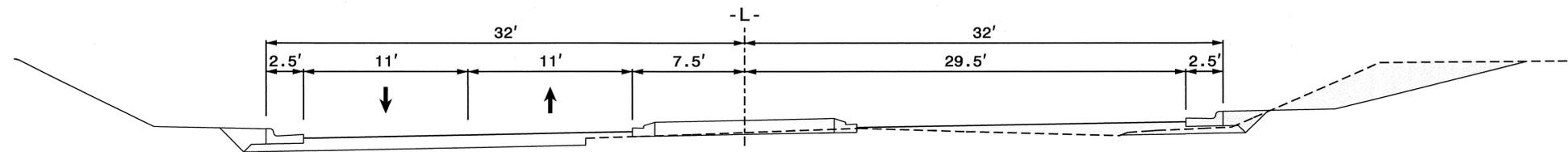
APPROVED: _____ DATE: _____

 1/3/12

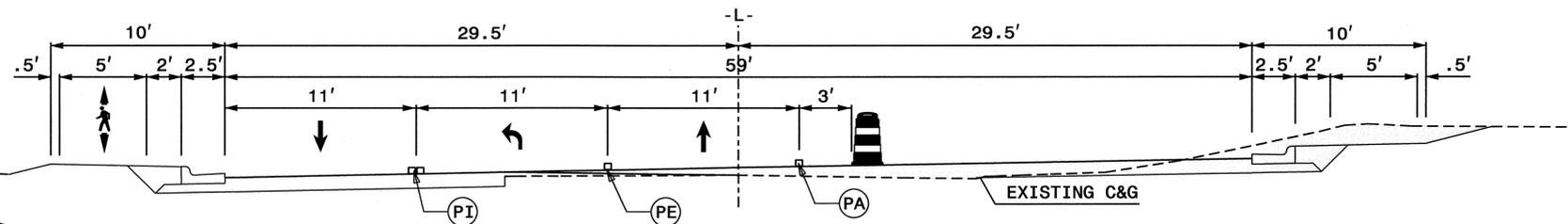


PHASE II
 SECTIONS BX - CA

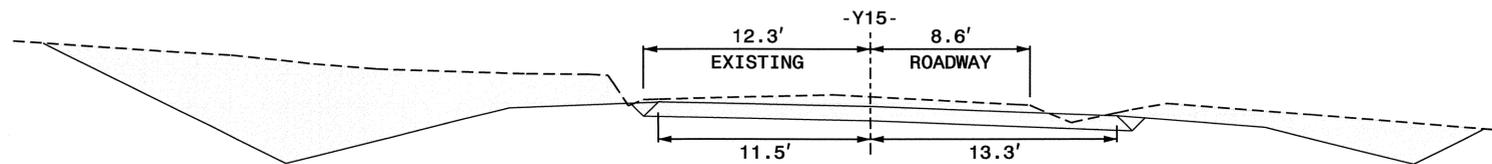
29-DEC-2011 16:24
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 Donaldson AT 12231439



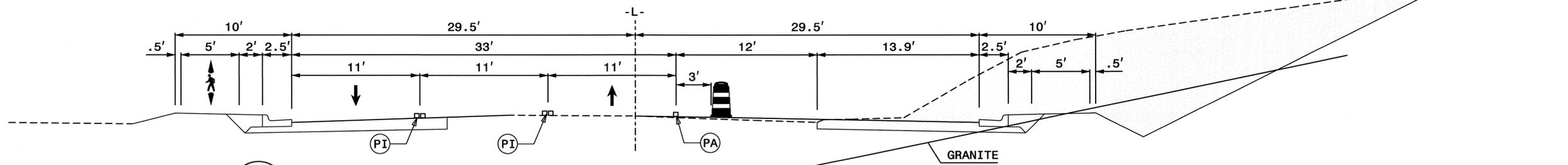
SECTION $\begin{matrix} \text{CB} \\ 37/59 \end{matrix}$ -L- STA. 113+00



SECTION $\begin{matrix} \text{CC} \\ 37/59 \end{matrix}$ -L- STA. 115+00



SECTION $\begin{matrix} \text{CD} \\ 37/59 \end{matrix}$ -Y15- STA. 11+00

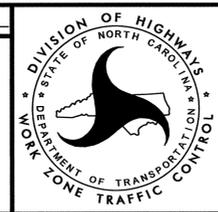


SECTION $\begin{matrix} \text{CE} \\ 38/59 \end{matrix}$ -L- STA. 122+00

SEE SHEET TMP-1A FOR TEMPORARY PAVEMENT MARKING SCHEDULE

*NOTE: ALL STATIONS AND DIMENSIONS SHOWN +/-

APPROVED: DATE: 1/3/12



PHASE II
SECTIONS CB - CE

R9-DEC-2011 15:48
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 jdonaldson AT 11/23/11