



## 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
1101.11	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
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING

## LEGEND

### GENERAL

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

### TEMPORARY PAVEMENT MARKINGS SEE INDIVIDUAL TMP SHEETS

### TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM    SKINNY DRUM    TUBULAR MARKER
- TEMPORARY CRASH CUSHION
- FLASHING ARROW BOARD
- FLAGGER
- LAW ENFORCEMENT
- TRUCK MOUNTED ATTENUATOR (TMA)
- 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

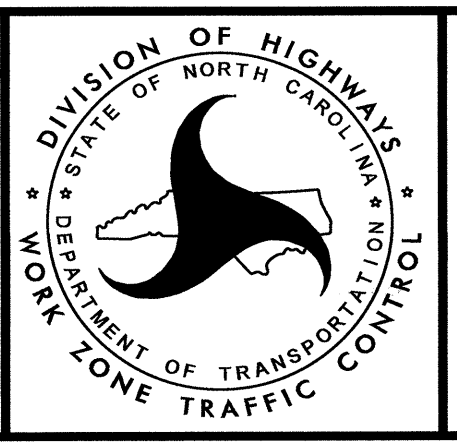
- CRYSTAL/CRYSTAL
- CRYSTAL/RED
- YELLOW/YELLOW

### PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

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APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_



**ROADWAY STANDARD  
DRAWINGS & LEGEND**

## MANAGEMENT STRATEGIES

### CONSTRUCTION

PROPOSED TWO-LANE, TWO-WAY ROADWAY ON NEW LOCATION FROM NC 87/NC 133 (RIVER ROAD) SOUTHWEST TO NC 211 (SOUTHPORT-SUPPLY ROAD) AND CONTINUE SOUTH WITH A PROPOSED MULTI-LANE FACILITY ON NEW LOCATION TO NC 133 (LONG BEACH ROAD).

### TMP DESIGN PARAMETERS

CONTRACTOR SHALL FURNISH AND INSTALL THREE (3) CHANGEABLE MESSAGE SIGNS, AS DIRECTED BY THE ENGINEER, FOR PUBLIC INFORMATION, TRAVEL ALERTS AND TRAFFIC CONDITIONS. THESE CHANGEABLE MESSAGE SIGNS ARE IN ADDITION TO OTHER CHANGEABLE SIGNS THAT ARE REQUIRED FOR TRAFFIC CONTROL OPERATIONS DURING CONSTRUCTION.

THIS PROJECT CONTAINS DAILY LANE CLOSURE RESTRICTIONS, IN ADDITION TO HOLIDAYS RESTRICTIONS (SEE GENERAL NOTES "A" & "B").

THE PROPOSED BRIDGE (STA. 22+00+/- -L-) OVER JUMP & RUN CREEK WILL UTILIZE STAGE CONSTRUCTION. STAGE II OF THE PROPOSED BRIDGE AND ASSOCIATED ROADWAYS WILL BE CONSTRUCTED UNDER AN ICT OF 180 CALENDER DAYS BETWEEN SEPTEMBER 15th AND MAY 15th.

### GENERAL 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 UNDESIRED 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 CLOSE OR NARROW TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
NC 133	SEPTEMBER 15 THRU MAY 15 MON-FRI 6:00 A.M. TO 7:00 P.M.
	MAY 16 THRU SEPTEMBER 14 MON-THUR 6:00 A.M. TO 7:00 P.M. FRI 6:00 A.M. TO SUN 7:00 P.M.
	SEPTEMBER 15 THRU MAY 15 MON-FRI 6:00 A.M. TO 7:00 P.M. MAY 16 THRU SEPTEMBER 14 MON-THUR 6:00 A.M. TO 7:00 P.M. FRI 6:00 A.M. TO SUN 7:00 P.M.
NC 211	SEPTEMBER 15 THRU MAY 15 MON-FRI 6:00 A.M. TO 7:00 P.M.
	MAY 16 THRU SEPTEMBER 14 MON-THUR 6:00 A.M. TO 7:00 P.M. FRI 6:00 A.M. TO SUN 7:00 P.M.
	SEPTEMBER 15 THRU MAY 15 MON-FRI 6:00 A.M. TO 7:00 P.M. MAY 16 THRU SEPTEMBER 14 MON-THUR 6:00 A.M. TO 7:00 P.M. FRI 6:00 A.M. TO SUN 7:00 P.M.
NC 87	SEPTEMBER 15 THRU MAY 15 MON-FRI 6:00 A.M. TO 7:00 P.M.
	MAY 16 THRU SEPTEMBER 14 MON-THUR 6:00 A.M. TO 7:00 P.M. FRI 6:00 A.M. TO SUN 7:00 P.M.
	SEPTEMBER 15 THRU MAY 15 MON-FRI 6:00 A.M. TO 7:00 P.M. MAY 16 THRU SEPTEMBER 14 MON-THUR 6:00 A.M. TO 7:00 P.M. FRI 6:00 A.M. TO SUN 7:00 P.M.

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

ROAD NAME
NC 133
NC 211
NC 87

#### HOLIDAY

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

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL ROADS	AS DIRECTED BY THE ENGINEER	AS DIRECTED BY THE ENGINEER

D) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY 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 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 TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 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.

#### 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. PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

P) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR 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) 350 FT. IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

#### TRAFFIC BARRIER

S) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRANSPORTATION MANAGEMENT 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 TRANSPORTATION MANAGEMENT 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 TRANSPORTATION MANAGEMENT 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: (SEE ALSO 1101.05)

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 RADIUS 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.

V) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

W) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

#### PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY
STRUCTURES	COLD APPLIED PLASTIC TYPE IV-REMOVABLE TAPE	TEMPORARY

Y) 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.

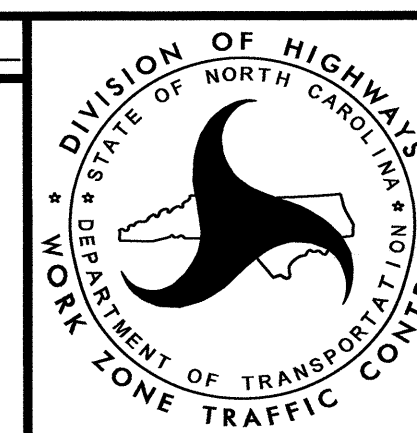
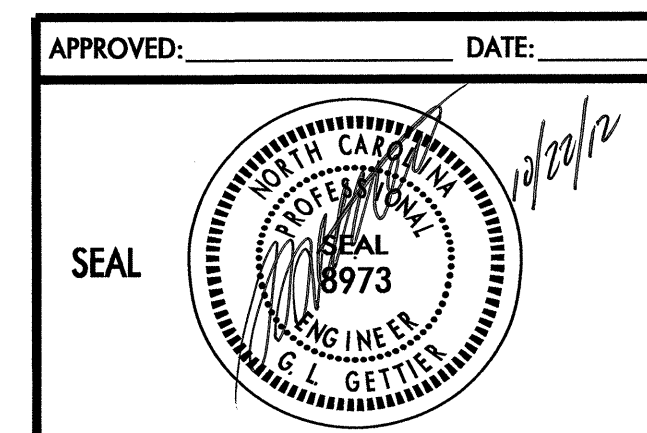
Z) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

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

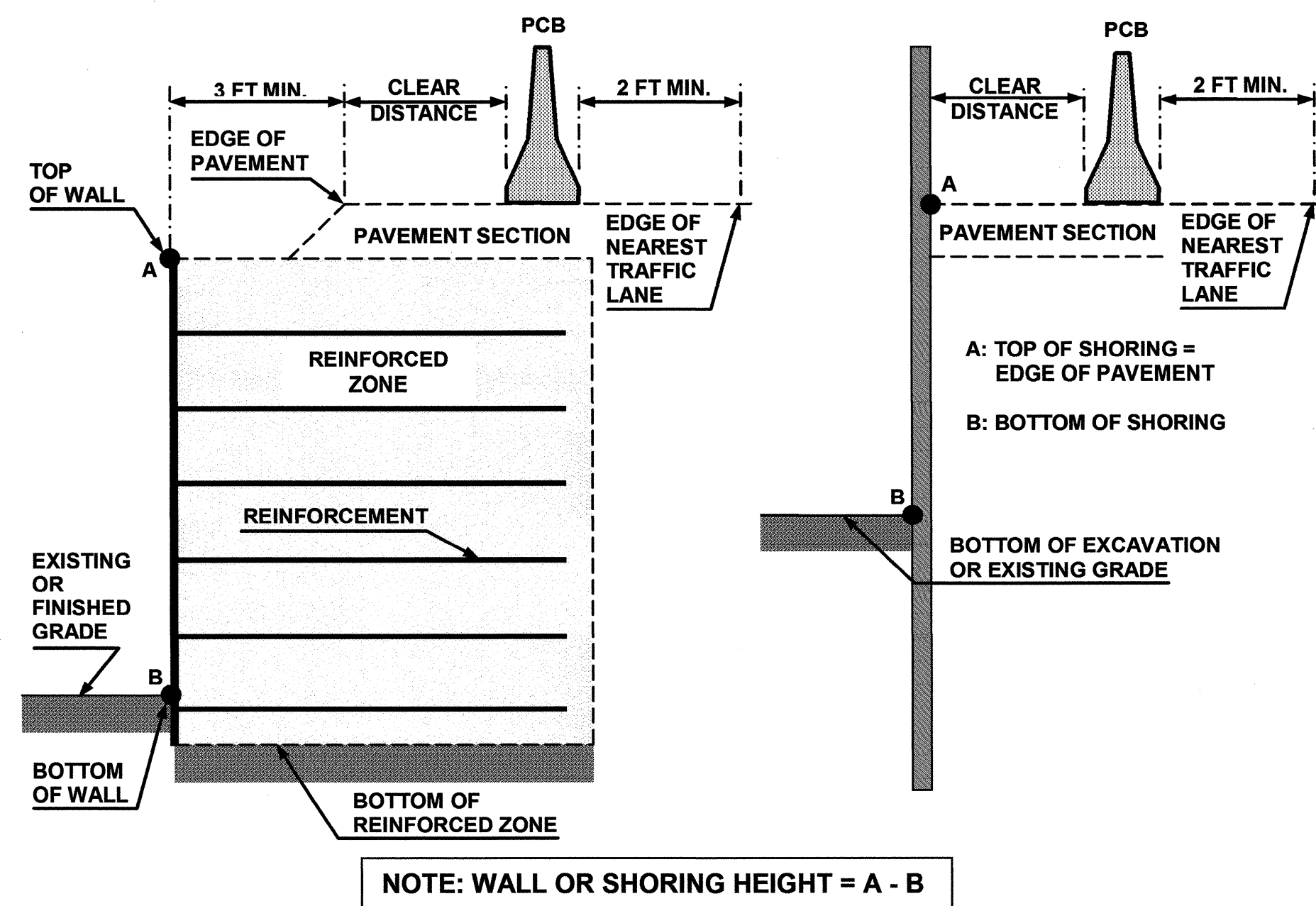
BB) TRACE THE EXISTING AND PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKINGS PRIOR TO REMOVAL AND INSTALLATION. PLACE DRUMS TO DELINEATE ANY EXISTING AND PROPOSED MONOLITHIC ISLANDS AFTER REMOVAL AND BEFORE INSTALLATION.

#### MISCELLANEOUS

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



## TRANSPORTATION OPERATIONS PLAN



# FIGURE A

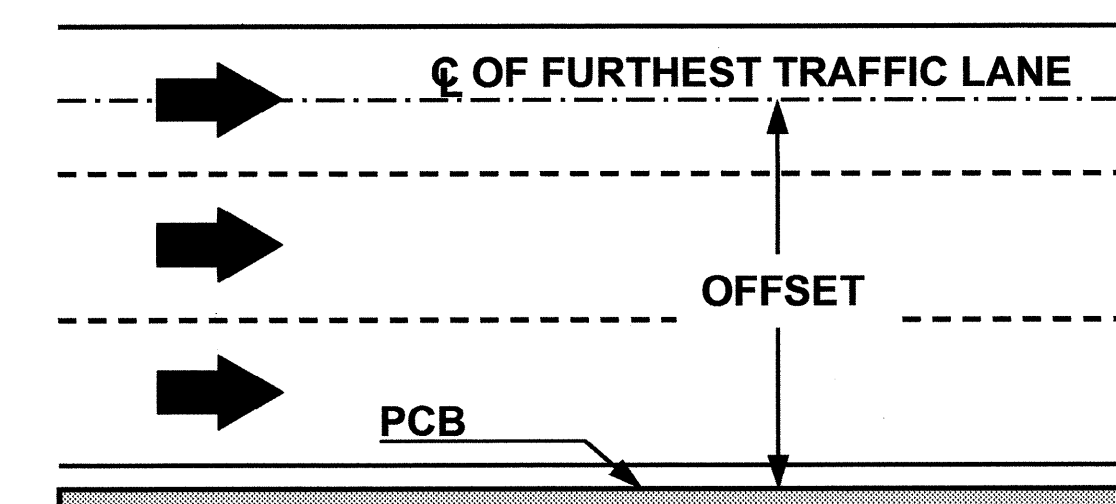
## NOTES

- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.
- REFER TO THE "TEMPORARY SHORING" PROJECT SPECIAL PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).
- PCB IS REQUIRED IF TEMPORARY SHORING IS LOCATED WITHIN THE CLEAR ZONE IN ACCORDANCE WITH THE AASHTO ROADSIDE DESIGN GUIDE. DO NOT PLACE BARRIER DIRECTLY ON ANY SURFACE OTHER THAN ASPHALT OR CONCRETE. (CONTACT NCDOT PAVEMENT MANAGEMENT UNIT FOR APPLICABLE PAVEMENT DESIGN).
- BASED ON THE CLEAR DISTANCE, OFFSET, DESIGN SPEED AND PAVEMENT TYPE, CHOOSE AN UNANCHORED OR ANCHORED PCB FROM THE TABLE SHOWN IN FIGURE B. CLEAR DISTANCE IS DEFINED AS SHOWN IN FIGURE A AND OFFSET IS DEFINED AS SHOWN IN FIGURE B.
- AT THE CONTRACTOR'S OPTION OR IF THE MINIMUM REQUIRED CLEAR DISTANCE IS NOT AVAILABLE, SET PCB NEXT TO AND UP AGAINST THE TRAFFIC SIDE OF THE TEMPORARY SHORING EXCEPT FOR BARRIER ABOVE TEMPORARY WALLS. PCB WITH THE MINIMUM REQUIRED CLEAR DISTANCE IS REQUIRED ABOVE TEMPORARY WALLS.
- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.
- PCB REQUIREMENTS FOR TEMPORARY WALLS APPLY TO TEMPORARY MECHANICALLY STABILIZED EARTH (MSE) WALLS AND TEMPORARY SOIL NAIL WALLS.
- SET PCB WITH A MINIMUM HORIZONTAL DISTANCE OF 2 FT BETWEEN THE FRONT FACE OF THE BARRIER AND THE EDGE OF THE NEAREST TRAFFIC LANE AS SHOWN IN FIGURE A UNLESS OTHERWISE SHOWN IN THE PLANS AND OR AS APPROVED BY THE ENGINEER.
- FOR PCB ABOVE AND BEHIND TEMPORARY WALLS, PROVIDE A MINIMUM DISTANCE OF 3 FT BETWEEN THE EDGE OF PAVEMENT AND THE WALL FACE AS SHOWN IN FIGURE A. IF THESE MINIMUM REQUIRED DISTANCES ARE NOT AVAILABLE, CONTACT THE ENGINEER.
- TABLE SHOWN IN FIGURE B IS BASED ON NCDOT RESEARCH PROJECT NO. 2005-010 WITH VEHICLE TYPE USED FOR NCHRP 350 CRASH TESTS. BARRIER DEFLECTIONS AND RESULTING MINIMUM REQUIRED CLEAR DISTANCES MIGHT VARY SIGNIFICANTLY FOR LARGER HEAVIER VEHICLES, RUNS OF BARRIER LESS THAN 200 FT IN LENGTH AND WET OR DRY PAVEMENT.

### MINIMUM REQUIRED CLEAR DISTANCE, inches

Barrier Type	Pavement Type	Offset * ft	Design Speed, mph					
			<30	31-40	41-50	51-60	61-70	71-80
Unanchored PCB	Asphalt	<8	24	26	29	32	36	40
		8-14	26	28	31	35	38	42
		14-20	27	29	34	36	39	43
		20-26	28	31	35	38	40	44
		26-32	29	32	36	39	42	45
		32-38	30	34	38	41	43	46
		38-44	31	34	41	43	45	48
	44-50	31	35	41	43	46	49	
	50-56	32	36	42	44	47	50	
	>56	32	36	42	45	47	51	
	Concrete	<8	17	18	21	22	25	26
		8-14	19	20	23	25	26	29
		14-20	22	22	24	26	28	31
		20-26	23	24	26	27	30	34
26-32		24	25	27	28	32	35	
32-38		24	26	27	30	33	36	
38-44		25	26	28	30	34	37	
Anchored PCB	Asphalt	All Offsets	24 for All Design Speeds					
		Concrete (including bridge approach slabs)	All Offsets	12 for All Design Speeds				

\* See Figure Below



# FIGURE B

APPROVED: _____ DATE: _____		PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS



# PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-3324	TMP-3

**PHASE I (SEE OVERVIEW ON SHEET TMP-4)**

THE FOLLOWING NOTES ARE APPLICABLE FOR PHASE I.

- NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING PATTERN AT THE END OF EACH WORK PERIOD.
- NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP PROPOSED/TEMPORARY WIDENING CLOSED TO TRAFFIC.
- NOTE: WHEN CONSTRUCTING DRAINAGE STRUCTURES ADJACENT TO TRAFFIC, INSTALL TEMPORARY STEEL PLATES, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, STEPS 'A' THRU 'E'.
- A: CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1, 2, 3 & 7 OF 15.
- B: CONSTRUCT PROPOSED STRUCTURE OR INSTALL PRE-CAST DRAINAGE STRUCTURE AS SHOWN IN THE CONSTRUCTION PLANS AND COVER WITH STEEL PLATES TO PROTECT STRUCTURE DURING CURING.
- C: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF EACH WORK PERIOD.
- D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3 & 7 OF 15. BACKFILL & PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (SEE CONSTRUCTION PLANS).
- E: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.

- STEP 1: - CONTRACTOR SHALL PLACE ADVANCE WORK ZONE WARNING SIGNS ALONG ALL ROADWAYS (SEE ROADWAY STANDARD DRAWING 1101.01, SHEET 3 OF 3).
- CONTRACTOR SHALL INSTALL THREE (3) CHANGEABLE MESSAGE SIGNS (CMS) ON THE PROJECT AS DIRECTED BY THE ENGINEER, TO BE UTILIZED TO INFORM AND ALERT THE TRAVELING PUBLIC TO TRAFFIC CONDITIONS.
- CONTRACTOR MAY, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15, BEGIN CLEARING, GRUBBING AND GRADING OPERATIONS THROUGHOUT THE PROJECT AS DIRECTED BY THE ENGINEER (SEE CONSTRUCTION PLANS).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING IN PHASE I, STEP 2A THRU STEP 2E (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

CONTRACTOR SHALL WORK PHASE I, STEPS 2 & 3 SIMULTANEOUSLY AS DIRECTED BY THE ENGINEER.

- STEP 2: - CONSTRUCTION OF PROPOSED SUNNY POINT ROAD AREA (-Y2- FROM STA. 44+00+/- -Y2- TO STA. 83+50+/- -Y2-; -Y3A-; AND -Y4-).

- A. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:
- CONSTRUCT TEMPORARY PAVEMENT AT THE GRASS MEDIANS UP TO THE EDGE & ELEVATION OF THE EXISTING, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & MARKERS AND OPEN TO THE TEMPORARY PATTERN AT THE FOLLOWING INTERSECTION (SEE CONSTRUCTION PLANS AND SHEET TMP-15):
    - INTERSECTION OF -Y2- AND -Y3A-  - REMOVE EXISTING CONCRETE ISLANDS/ASPHALT ISLANDS ON -Y2- & -Y3A- AND PAVE WITH ASPHALT, AS DIRECTED BY THE ENGINEER. REPLACE ISLANDS WITH TEMPORARY PAVEMENT MARKINGS (PAINT) AND INSTALL TUBULAR MARKERS (ON 20' CENTERS) (SEE CONSTRUCTION PLANS AND SHEET TMP-15).
- B. - CONTRACTOR SHALL CONSTRUCT PROPOSED -Y4- (WITHOUT INTERFERING WITH TRAFFIC), INCLUDING DRAINAGE, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-15):
- STA. 10+24+/- -Y4- TO STA. 13+82+/- -Y4-
- CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:
- CONSTRUCT TEMPORARY PAVEMENT FOR -Y3D- AND PROPOSED WIDENING OF -Y2-, -Y3A- & -Y4-, INCLUDING DRAINAGE, UP TO THE EDGE & ELEVATION OF THE EXISTING PAVEMENT AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEETS TMP-14 & TMP-15):

CONTRACTOR SHALL WORK PHASE I, STEP 2C AND STEP 2D IN A CONTINUOUS MANNER.

- C. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:
- CONSTRUCT PROPOSED -Y2-, UTILIZING PAVING & WEDGING OPERATIONS, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-25):
    - STA. 44+00+/- -Y2- TO STA. 83+50+/- -Y2-  - CONSTRUCT PROPOSED -Y3A- AND -Y4- TIE-INS, UTILIZING PAVING & WEDGING OPERATIONS, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS):
    - STA. 15+91+/- -Y3D- TO STA. 18+88+/- -Y3D-
    - STA. 18+88+/- -Y3D- TO STA. 20+35+/- -Y3A-
    - STA. 13+82+/- -Y4- TO STA. 20+00+/- -Y4-  - PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS ON NEWLY COMPLETED -Y2-, -Y3A- & -Y4- AS FOLLOWS (SEE SHEETS TMP-31 & TMP-32 AND FINAL PAVEMENT MARKING PLAN):
    - STA. 44+00+/- -Y2- TO STA. 85+00+/- -Y2-
- NOTE: TIE TEMPORARY PAVEMENT MARKINGS TO EXISTING MARKINGS AT STA. 44+00+/- -Y2- AS DIRECTED BY THE ENGINEER.
- STA. 15+91+/- -Y3D- TO STA. 18+88+/- -Y3D-
  - STA. 18+88+/- -Y3D- TO STA. 21+73+/- -Y3A-
  - STA. 10+39+/- -Y4- TO STA. 20+00+/- -Y4-

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING IN PHASE I, STEP 2D THRU STEP 2E IN 30 CALENDAR DAYS (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS). (SEE OVERVIEW ON SHEET TMP-25)

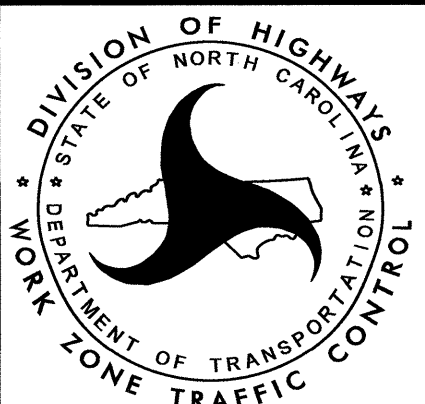
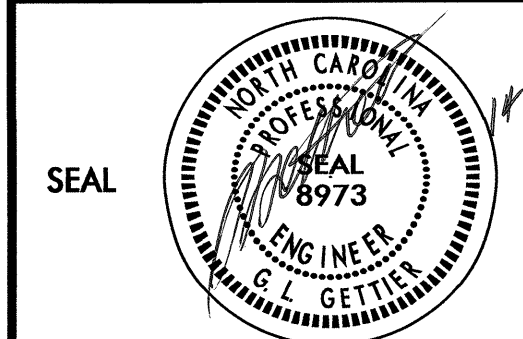
- D. - CONTRACTOR SHALL ACTIVATE PROPOSED/TEMPORARY SIGNALS AT THE INTERSECTIONS OF -Y2- & -Y4- AND -Y2- & -Y3D-, AND OPEN PROPOSED -Y2-, -Y3D- & -Y4- TO THE TEMPORARY TRAFFIC PATTERN (SEE SIGNAL PLANS, SHEETS TMP-31 & TMP-32 AND FINAL PAVEMENT MARKING PLAN).
- E. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 & 2 OF 15:
- CONSTRUCT REMAINDER OF PROPOSED -Y3A- AND -Y4-, INCLUDING DRAINAGE & CONCRETE ISLANDS, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEETS TMP-31 & TMP-32):
    - STA. 10+15+/- -Y3A- TO STA. 17+48+/- -Y3A-
    - STA. 10+24+/- -Y4- TO STA. 18+25+/- -Y4-  - PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & MARKERS ON NEWLY COMPLETED -Y3A- & -Y4- AND OPEN TO THE FINAL TRAFFIC PATTERN (SEE SHEET TMP-36 & FINAL PAVEMENT MARKING PLAN).

- STEP 3: - CONSTRUCTION OF PROPOSED LONG BEACH ROAD AND SOUTHPORT-SUPPLY ROAD AREA (-L-; -Y-; -Y1-; AND REMAINDER OF -Y2- FROM STA. 16+50 +/- -Y2- TO STA. 44+00+/- -Y2-).

- A. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1 & 2 OF 15:

- CONSTRUCT -DET1-, UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE, INCLUDING SHORING, PERMANENT DRAINAGE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-5):
    - STA. 12+00 +/- -DET1- TO STA. 23+02+/- -DET1-  - CONSTRUCT -DET2-, UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE, INCLUDING TEMPORARY DRAINAGE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-5):
    - STA. 10+15 +/- -DET2- TO STA. 17+18+/- -DET2-
- B. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 1 OF 15:
- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS ON -DET1- AND -DET2- AS FOLLOWS (SEE SHEET TMP-6):
    - STA. 11+43+/- -DET1- TO STA. 24+30+/- -DET1-
    - STA. 10+22+/- -DET2- TO STA. 17+12+/- -DET2-  - INSTALL WATER FILLED BARRIER ON -DET1- AS FOLLOWS (SEE SHEET TMP-6):
    - STA. 14+80+/- -DET1- TO STA. 21+90+/- -DET1-  - PLACE TRAFFIC CONTROL DEVICES & DETOUR SIGNAGE AND SHIFT TRAFFIC TO A TEMPORARY TWO-LANE, TWO-WAY PATTERN ON -DET1- & -DET2- (SEE SHEET TMP-6).
- C. - CONTRACTOR SHALL CONSTRUCT THE FOLLOWING SECTIONS OF PROPOSED -L- & -Y-, (AS MUCH AS POSSIBLE WITHOUT INTERFERING WITH TRAFFIC), INCLUDING TEMPORARY SHORING, BRIDGES, CONCRETE ISLANDS AND DRAINAGE, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS SHOWN (SEE CONSTRUCTION PLANS AND SHEETS TMP-7 THRU TMP-9, TMP-12 & TMP-13):
- STA. 15+00+/- -L- TO STA. 39+09+/- -L-
- NOTE: CONTRACTOR SHALL MAINTAIN ACCESS TO PARCEL NO. 9 DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER.
- STA. 11+23+/- -Y- TO STA. 12+10+/- -Y-
  - STA. 40+00+/- -L- TO STA. 130+69+/- -L-

- CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:
- CONSTRUCT TEMPORARY PAVEMENT AT THE GRASS MEDIANS/ ISLANDS UP TO THE EDGE & ELEVATION OF THE EXISTING, MODIFY THE EXISTING SIGNALS, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & MARKERS AND OPEN TO THE TEMPORARY PATTERN AT THE FOLLOWING INTERSECTION (SEE CONSTRUCTION PLANS, SIGNAL PLANS AND SHEET TMP-10):
    - INTERSECTION OF -Y1- AND -Y-/-Y5-  - REMOVE EXISTING CONCRETE ISLANDS/ASPHALT ISLANDS/ PORTABLE CURB ON -Y- & -Y1- AND PAVE WITH ASPHALT, AS DIRECTED BY THE ENGINEER. REPLACE ISLANDS/PORTABLE CURB WITH TEMPORARY PAVEMENT MARKINGS (PAINT) AND INSTALL TUBULAR MARKERS (ON 20' CENTERS) (SEE CONSTRUCTION PLANS AND SHEETS TMP-8, TMP-10 & TMP-11).
  - CONSTRUCT PROPOSED WIDENING OF -Y-, -Y1-, -Y2- & -Y5-, INCLUDING DRAINAGE, UP TO THE EDGE AND ELEVATION OF THE EXISTING AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEETS TMP-8 THRU TMP-11, TMP-13 & TMP-14):
    - STA. 12+10+/- -Y- TO STA. 14+25+/- -Y- (LEFT SIDE)
    - STA. 21+91+/- -Y- TO STA. 24+92+/- -Y- (RIGHT SIDE)
    - STA. 10+50+/- -Y1- TO STA. 49+70+/- -Y1- (BOTH SIDES)
- NOTE: AS DIRECTED BY THE ENGINEER, CONTRACTOR MAY INSTALL PROPOSED CROSS DRAINAGE TO THE MEDIAN (UTILIZING STEEL PLATES) AS SHOWN ON SHEETS TMP-21 & TMP-22.

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# PHASING

PROJ. REFERENCE NO.	SHEET NO.
R-3324	TMP-3A

- STA. 16+50+/- -Y2- TO STA. 44+00+/- -Y2- (BOTH SIDES)
- NOTE: AS DIRECTED BY THE ENGINEER INSTALL PROPOSED DRAINAGE AT STA. 34+13+/- -Y2- (2-42" RCP).
- STA. 10+17+/- -Y5- TO STA. 12+75+/- -Y5- (RIGHT SIDE)
- INSTALL/CONSTRUCT PROPOSED SIGNALS AND MODIFY EXISTING SIGNAL AT THE FOLLOWING INTERSECTIONS FOR TRAFFIC PATTERNS IN PHASE II, BUT DO NOT ACTIVATE (SEE SIGNAL PLANS):
- INTERSECTION OF -L- AND -Y1- (PROPOSED, SEE SHEETS TMP-18, TMP-21, TMP-28 & FINAL PAVEMENT MARKING PLAN)
- INTERSECTION OF -L- AND -Y2- (PROPOSED, SEE SHEETS TMP-20 & TMP-24)
- INTERSECTION OF -Y1- AND -Y-/-Y5- (MODIFIED, SEE SHEETS TMP-22, TMP-29, TMP-35 & FINAL PAVEMENT MARKING PLAN)

**PHASE II (SEE OVERVIEW ON SHEET TMP-16)**

- STEP 1: - CONTRACTOR SHALL (WITHOUT INTERFERING WITH TRAFFIC):
- PLACE TEMPORARY PAVEMENT MARKINGS (PAINT/REMOVABLE TAPE) AND MARKERS ON PROPOSED -L- AS FOLLOWS (SEE SHEETS TMP-17 THRU TMP-20):
  - STA. 16+00+/- -L- TO STA. 38+85+/- -L-
  - STA. 40+17+/- -L- TO STA. 130+47+/- -L-
  - INSTALL PORTABLE CONCRETE BARRIER, WATER FILLED BARRIER AND TRAFFIC CONTROL DEVICES ON PROPOSED \*L- AS SHOWN ON SHEET TMP-17.
  - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:
  - CONSTRUCT PROPOSED -Y-, -Y1-, -Y2- & -Y5-, UTILIZING PAVING & WEDGING OPERATIONS, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-16):
  - STA. 21+91+/- -Y- TO STA. 24+92+/- -Y-
  - STA. 10+50+/- -Y1- TO STA. 49+70+/- -Y1-
  - NOTE: CONTRACTOR SHALL INSTALL PROPOSED CROSS DRAINAGE TO THE MEDIAN (UTILIZING STEEL PLATES) AS SHOWN ON SHEETS TMP-21 & TMP-22 IF NOT INSTALLED IN PHASE I, STEP 3C.
  - STA. 16+50+/- -Y2- TO STA. 44+00+/- -Y2-
  - STA. 10+17+/- -Y5- TO STA. 12+75+/- -Y5-
  - PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS ON NEWLY COMPLETED -Y-, -Y1-, -Y2- & -Y5- AS FOLLOWS (SEE SHEETS TMP-21, TMP-22, TMP-23 & TMP-24 OR TMP-30):
  - NOTE: INSTALL DRUMS TO KEEP STRAIGHT THRU AND/OR TURN LANES CLOSED UNTIL OPEN TO THE FINAL/TEMPORARY PATTERNS IN PHASE III.
  - STA. 18+00+/- -Y- TO STA. 24+82+/- -Y-
  - STA. 10+50+/- -Y1- TO STA. 49+70+/- -Y1-
  - STA. 14+00+/- -Y2- TO STA. 44+00+/- -Y2-
  - NOTE: AS DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) AND MARKERS FROM STA. 14+00+/- -Y2- TO STA. 44+00+/- -Y2- AS SHOWN ON SHEET TMP-24 (IF PHASE I, STEP 2 HAS NOT BEEN COMPLETED) OR TMP-30 (IF PHASE I, STEP 2 HAS BEEN COMPLETED).
  - STA. 10+60+/- -Y5- TO STA. 12+75+/- -Y5-

**PHASE III (SEE OVERVIEW ON SHEET TMP-25)**

- CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE FOLLOWING IN PHASE III, STEP 1A THRU STEP 1D IN 180 CALENDAR DAYS, BETWEEN SEPTEMBER 15TH. AND MAY 15TH. (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).
- CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF PHASE III, STEP 1A IN ONE WORK PERIOD.
- CONTRACTOR MAY WORK PHASE III, STEPS 1 & 2 SIMULTANEOUSLY AS DIRECTED BY THE ENGINEER. HOWEVER, IT IS HIGHLY RECOMMENDED TO WORK BOTH PHASE III, STEP 1 & STEP 2 SIMULTANEOUSLY SINCE -Y- (NC 133/LONG BEACH ROAD SE) IS CLOSED TO THRU TRAFFIC.

- THE FOLLOWING NOTES ARE APPLICABLE FOR PHASE III.
- NOTE: CONTRACTOR SHALL PLACE TRAFFIC BACK INTO THE EXISTING PATTERN AT THE END OF EACH WORK PERIOD.
- NOTE: CONTRACTOR SHALL PLACE TYPE III BARRICADES & DRUMS AT ALL -Y- LINES AND DRUMS AT ALL DRIVEWAYS TO KEEP PROPOSED/TEMPORARY WIDENING CLOSED TO TRAFFIC.
- NOTE: WHEN CONSTRUCTING DRAINAGE STRUCTURES ADJACENT TO TRAFFIC, INSTALL TEMPORARY STEEL PLATES, AS DIRECTED BY THE ENGINEER. THE CONTRACTOR MAY WORK EACH LOCATION INDEPENDENTLY OR CONCURRENTLY, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. WORK IN A CONTINUOUS MANNER TO PERFORM THE WORK IN THE FOLLOWING SEQUENCE, STEPS 'A' THRU 'E'.
- A: CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02 SHEETS 1, 2 & 3 OF 15.
- B: CONSTRUCT PROPOSED STRUCTURE OR INSTALL PRE-CAST DRAINAGE STRUCTURE AS SHOWN IN THE CONSTRUCTION PLANS AND COVER WITH STEEL PLATES TO PROTECT STRUCTURE DURING CURING.
- C: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF EACH WORK PERIOD.
- D: WHEN PROPERLY CURED, CLOSE THE APPROPRIATE TRAVEL LANE TO TRAFFIC USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15. BACKFILL & PAVE, IF REQUIRED, UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (SEE CONSTRUCTION PLANS).
- E: OPEN TRAVEL LANE TO EXISTING TRAFFIC PATTERN BY THE END OF THE WORK PERIOD.
- STEP 1: - CONSTRUCT REMAINDER OF PROPOSED -L- FROM STA. 15+00+/- -L- TO STA. 26+00+/- -L-; PROPOSED -Y- FROM STA. 12+10+/- -Y- TO STA. 17+25+/- -Y-; AND PROPOSED -DR1-.
- A. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:
- CONSTRUCT PROPOSED TIE-IN OF -L- (UTILIZING PAVING & WEDGING OPERATIONS) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, INSTALL REMAINDER OF PORTABLE CONCRETE BARRIER, PLACE THE REMAINDER OF THE TEMPORARY PAVEMENT MARKINGS (PAINT) & MARKERS AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-26):
  - STA. 12+52+/- -L- TO STA. 16+00+/- -L-
- CONTRACTOR SHALL ACTIVATE PROPOSED SIGNALS AND MODIFIED SIGNAL AT THE FOLLOWING INTERSECTIONS (SEE SIGNAL PLANS):
- INTERSECTION OF -L- AND -Y1- (PROPOSED, SEE TMP-28)
  - INTERSECTION OF -L- AND -Y2- (PROPOSED, SEE TMP-24)
  - INTERSECTION OF -Y1- & -Y-/-Y5- (MODIFIED, SEE TMP-29)
- CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 1 OF 9, INSTALL DETOUR SIGNS AND CLOSE -Y- TO TRAFFIC (SEE SHEETS TMP-27 THRU TMP-29).
- CONTRACTOR SHALL OPEN PROPOSED -L-, -Y-, -Y1- AND -Y2- TO THE TEMPORARY/FINAL PATTERNS (SEE SHEETS TMP-24 OR TMP-30, TMP-26 THRU TMP-29):
- B. - CONTRACTOR SHALL CONSTRUCT REMAINDER OF PROPOSED -L- (WITHOUT INTERFERING WITH TRAFFIC), INCLUDING BRIDGE (STAGE II), RETAINING WALL AND DRAINAGE, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-26):
- STA. 15+00+/- -L- TO STA. 26+00+/- -L-
- CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:
- CONSTRUCT PROPOSED -Y- AND -DR1-, INCLUDING DRAINAGE AND CURB & GUTTER, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEETS TMP-26 & TMP-27):
  - STA. 12+10+/- -Y- TO STA. 17+25+/- -Y-
  - STA. 10+00+/- -DR1- TO STA. 14+58+/- -DR1-
- NOTE: UTILIZE DRUMS TO MAINTAIN ACCESS TO -DR1 AND ALL DRIVEWAYS.
- INSTALL/CONSTRUCT PROPOSED SIGNAL AND MODIFY EXISTING SIGNAL AT THE FOLLOWING INTERSECTIONS FOR FINAL TRAFFIC PATTERN, BUT DO NOT ACTIVATE (SEE SIGNAL PLANS, SHEET TMP-34 & FINAL PAVEMENT MARKING PLAN):
- INTERSECTION OF -L- AND -Y- (PROPOSED)
  - INTERSECTION AT STA. 17+25+/- -Y- (MODIFIED)

- CONSTRUCT PROPOSED DRIVEWAY & PORT LOOP ROAD LEFT OF STA. 17+50+/- -L- & STA. 19+50+/- -L-, PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & MARKERS, OPEN TO TRAFFIC AND REMOVE -DET2- (SEE CONSTRUCTION PLANS AND SHEET TMP-33 & FINAL PAVEMENT MARKING PLAN).
- C. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:

  - PLACE TEMPORARY PAVEMENT MARKINGS (PAINT & REMOVABLE TAPE) AND MARKERS ON NEWLY COMPLETED -L-, -Y- & -DR1- AS FOLLOWS (SEE SHEETS TMP-33, TMP-34 & FINAL PAVEMENT MARKING PLAN):
  - STA. 12+50+/- -L- TO STA. 28+09+/- -L-
  - STA. 11+42+/- -Y- TO STA. 17+01+/- -Y-
  - STA. 10+26+/- -DR1- TO STA. 14+58+/- -DR1-

- D. - CONTRACTOR SHALL ACTIVATE PROPOSED/MODIFIED SIGNALS AS FOLLOWS AND OPEN PROPOSED -L-, -Y- & -DR1- TO THE FINAL PATTERN (SEE SIGNAL PLANS AND SHEETS TMP-33, TMP-34 & FINAL PAVEMENT MARKING PLAN):

  - INTERSECTION OF -L- AND -Y- (PROPOSED)
  - INTERSECTION AT STA. 17+25+/- -Y- (MODIFIED)

- STEP 2: - CONSTRUCT REMAINDER OF -Y-.
- A. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:

  - CONSTRUCT REMAINDER OF PROPOSED WIDENING (BOTH SIDES) OF -Y-, INCLUDING DRAINAGE AND CURB & GUTTER, UP TO THE EDGE AND ELEVATION OF THE EXISTING PAVEMENT AS FOLLOWS (SEE CONSTRUCTION PLANS AND SHEET TMP-27):
  - STA. 17+25+/- -Y- TO STA. 22+55+/- -Y-
  - INSTALL/CONSTRUCT MODIFICATION TO EXISTING SIGNAL AT THE FOLLOWING INTERSECTION FOR FINAL TRAFFIC PATTERN (SEE SIGNAL PLANS AND SHEET TMP-34 & FINAL PAVEMENT MARKING PLAN):
  - INTERSECTION AT STA. 17+25+/- -Y-

- B. - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2 & 3 OF 15:

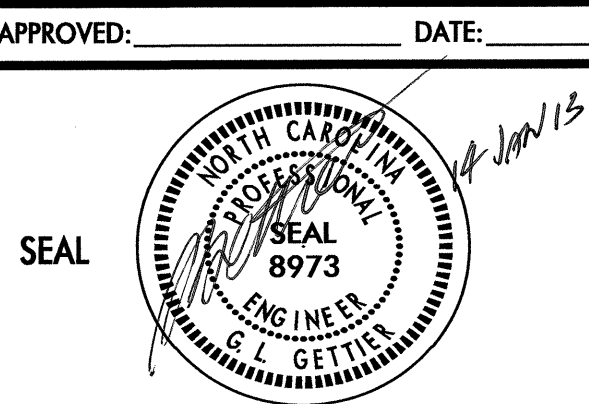

  - CONSTRUCT REMAINDER OF PROPOSED -Y-, UTILIZING PAVING & WEDGING OPERATIONS, UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AS FOLLOWS (SEE CONSTRUCTION PLANS):
  - STA. 17+25+/- -Y- TO STA. 22+55+/- -Y-
  - NOTE: CONTRACTOR MAY CONSTRUCT PROPOSED CONCRETE ISLAND AS DIRECTED BY THE ENGINEER.
  - PLACE TEMPORARY PAVEMENT MARKINGS (PAINT) & MARKERS ON NEWLY COMPLETED -Y- AS FOLLOWS, ACTIVATE MODIFIED SIGNAL AND OPEN TO THE FINAL TRAFFIC PATTERN (SEE SIGNAL PLANS AND SHEET TMP-34 & FINAL PAVEMENT MARKING PLAN):
  - STA. 17+01+/- -Y- TO STA. 23+47+/- -Y- (ROADWAY)
  - INTERSECTION AT STA. 17+25+/- -Y- (SIGNAL)

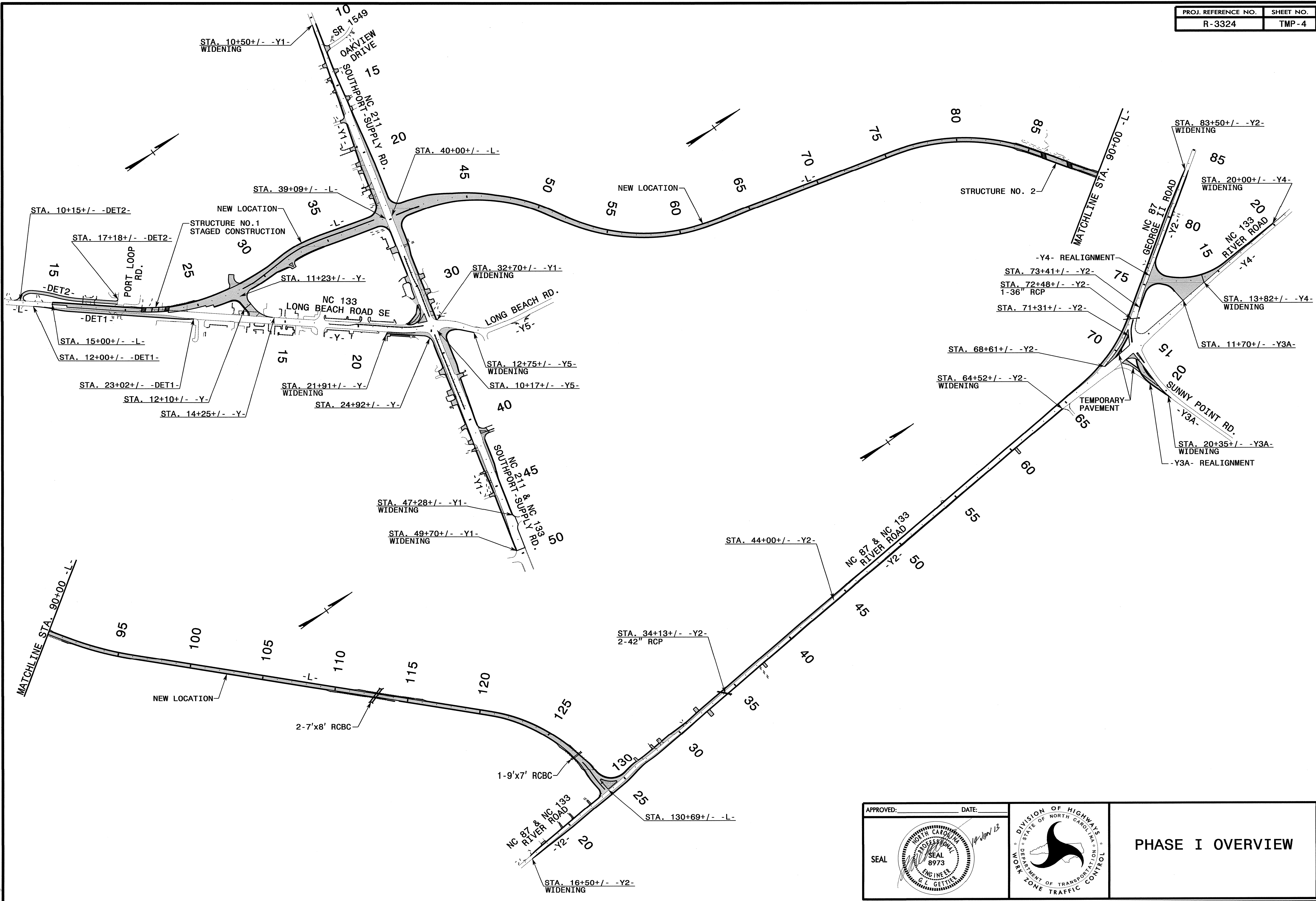
- STEP 3: - CONTRACTOR SHALL, USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3 & 7 OF 15:

  - CONSTRUCT PROPOSED CONCRETE ISLANDS ON -Y-, -Y1-, -Y4- AND -Y5- (UNLESS COMPLETED PREVIOUSLY) (SEE CONSTRUCTION PLANS AND SHEETS TMP-28, TMP-29, TMP-35 & TMP-36).
  - PLACE THE FINAL LAYER OF SURFACE COURSE, FINAL PAVEMENT MARKING & MARKERS ON THE ENTIRE PROJECT AND OPEN TO THE FINAL TRAFFIC PATTERN (SEE CONSTRUCTION PLANS AND FINAL PAVEMENT MARKING PLAN).

- STEP 4: - CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES FROM THE PROJECT.

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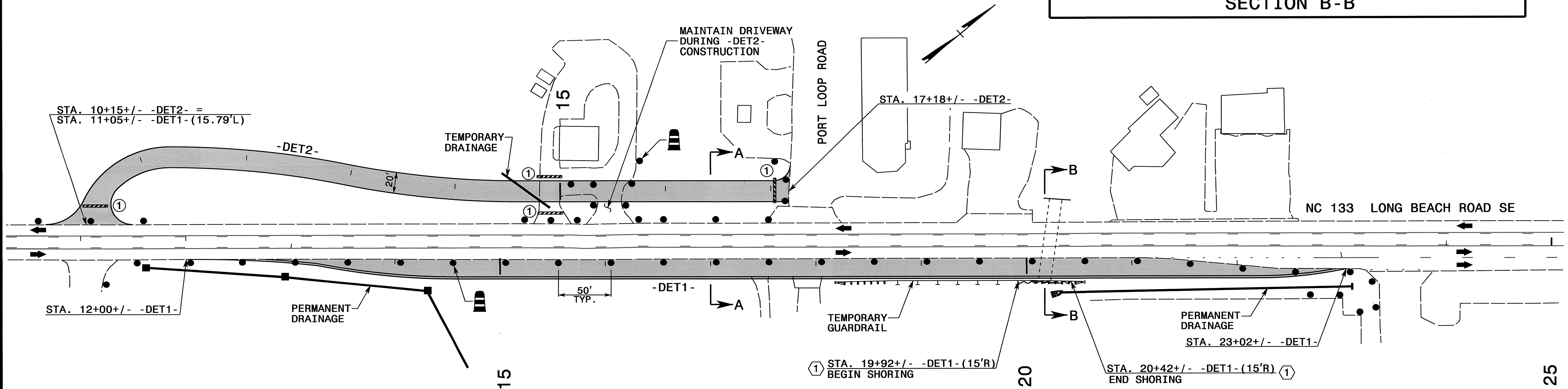
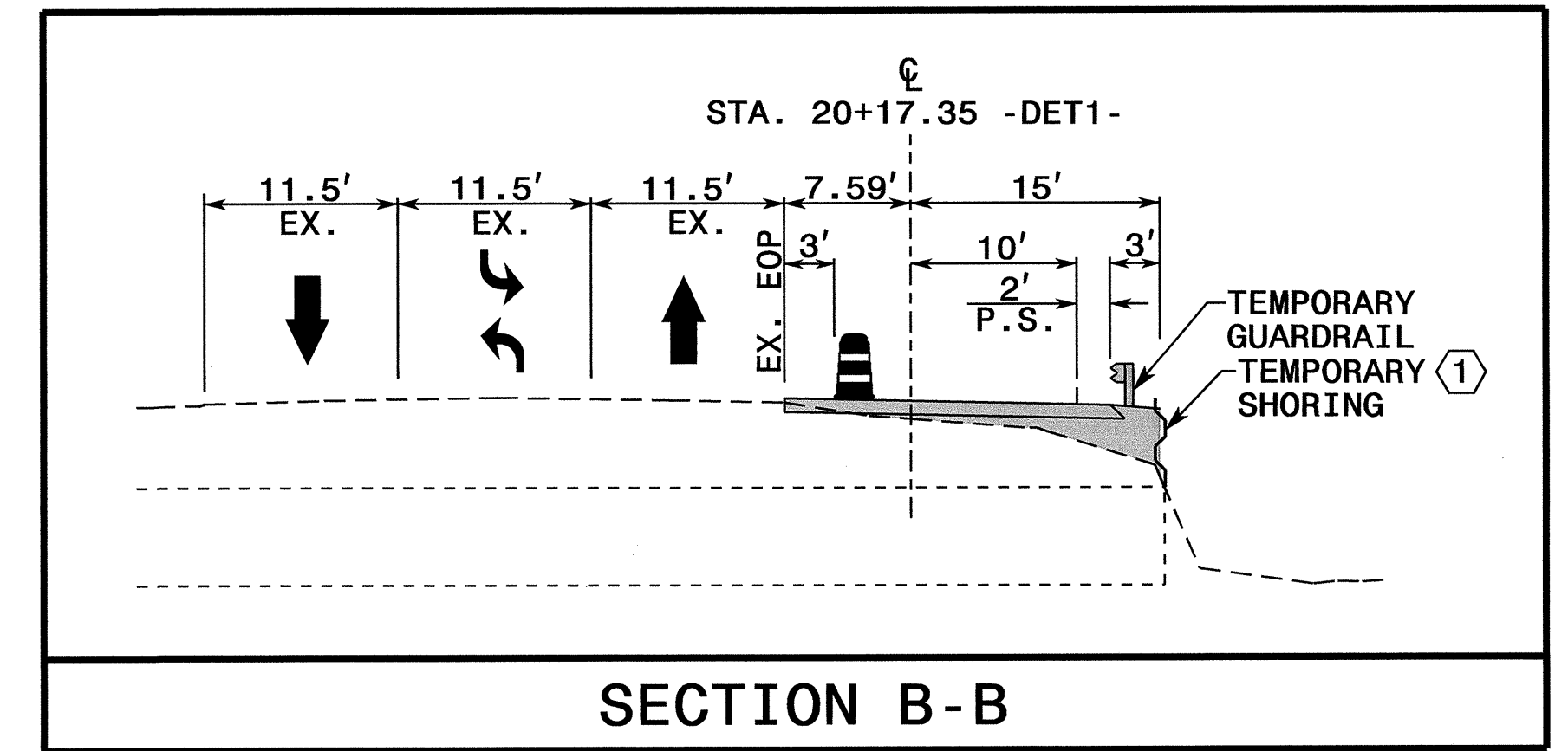
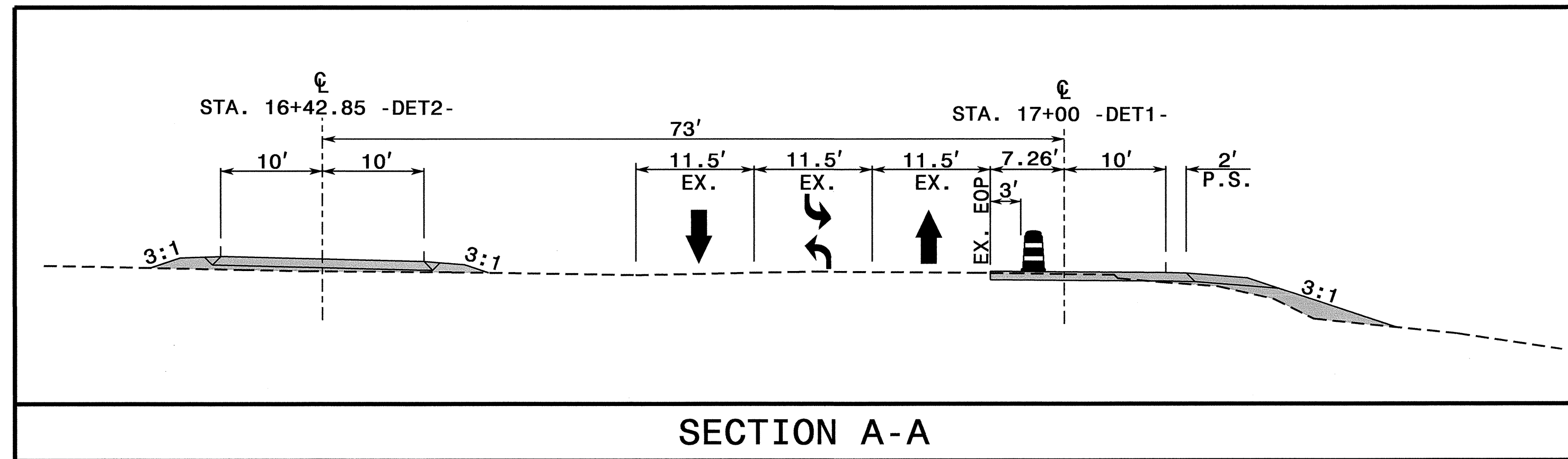
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**TEMPORARY SHORING NOTES**

TEMPORARY SHORING NO. ①

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.

DESIGN TEMPORARY SHORING FROM STA. 19+92+/- -DET1-, 15.0 FT. RIGHT, TO STA. 20+42+/- -DET1-, 15.0 FT. RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

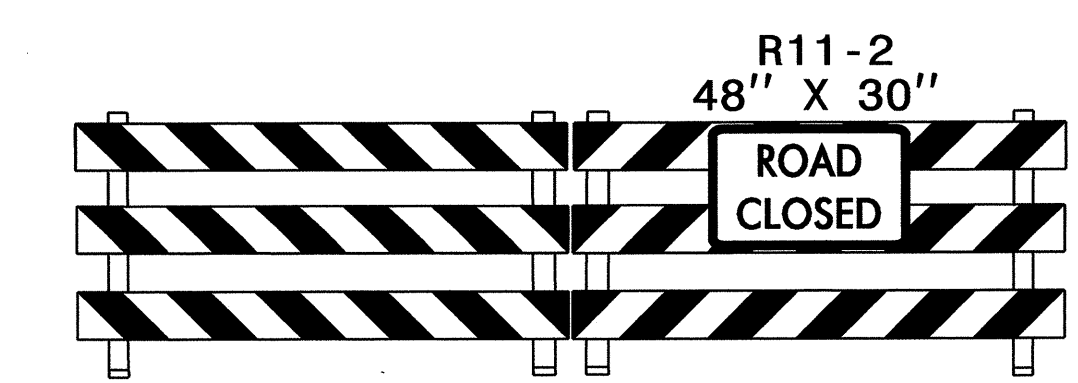
- UNIT WEIGHT ( $\gamma$ ) = 120 P/CF
- FRICTION ANGLE ( $\phi$ ) = 30°
- COHESION,  $c$  = 0 P/SF
- GROUNDWATER ELEVATION = 8.0 FT. +/-

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STA. 19+92+/- -DET1-, 15.0 FT. RIGHT, TO STA. 20+42+/- -DET1-, 15.0 FT. RIGHT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STA. 19+92+/- -DET1-, 15.0 FT. RIGHT, TO STA. 20+42+/- -DET1-, 15.0 FT. RIGHT.

Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
①	3.00 FT.	150 SQ. FT.

THE TEMPORARY SHORING NOTES WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO THE WZTCU ON 05-23-2012 AND SEALED BY A PROFESSIONAL ENGINEER, JINYOUNG PARK, P.E., LICENSE #32171.



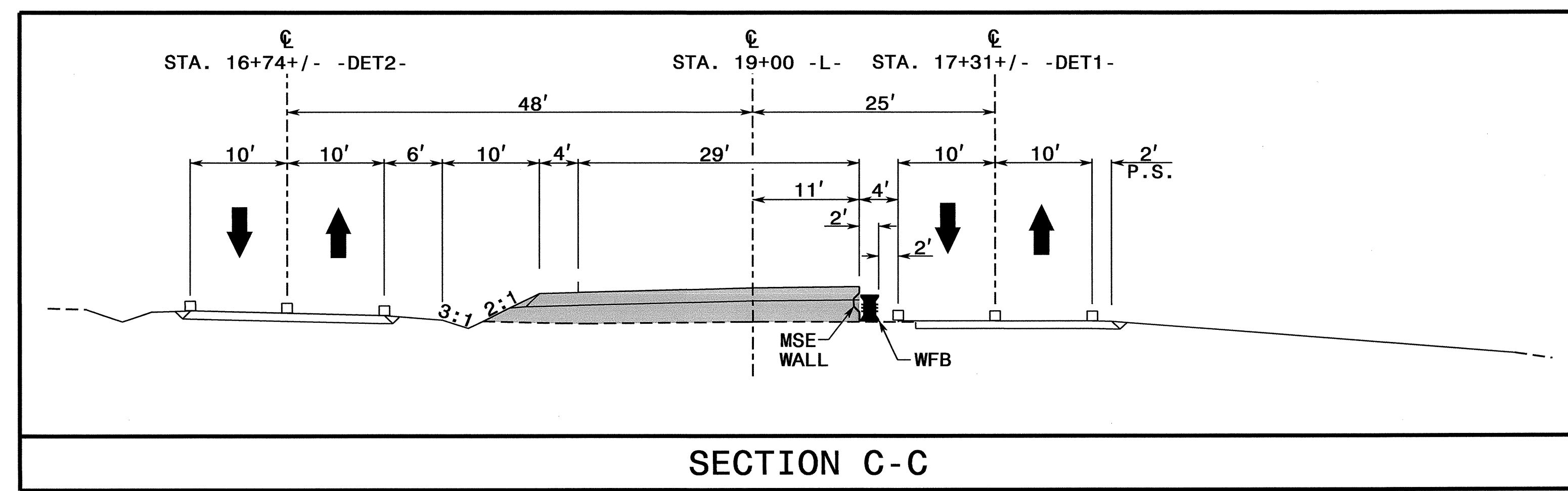
TYPE III BARRICADE(S) ①

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**PHASE I DETAILS  
-DET1- AND -DET2-  
TEMPORARY SHORING  
NOTES**

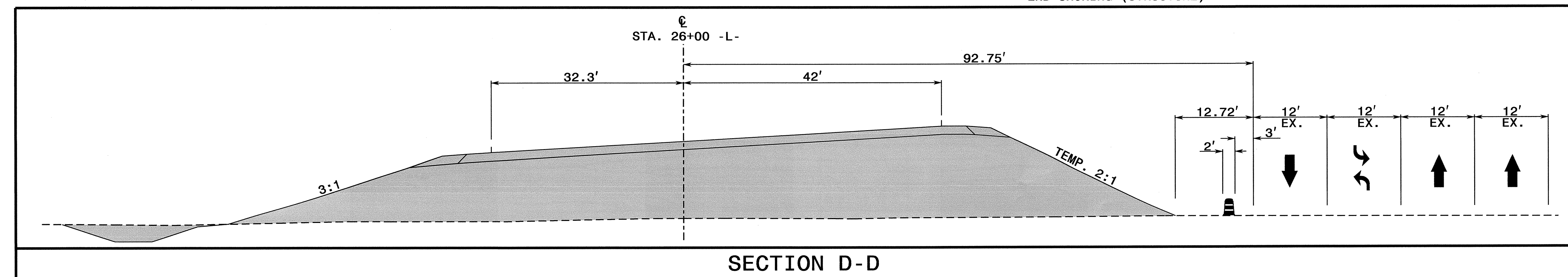
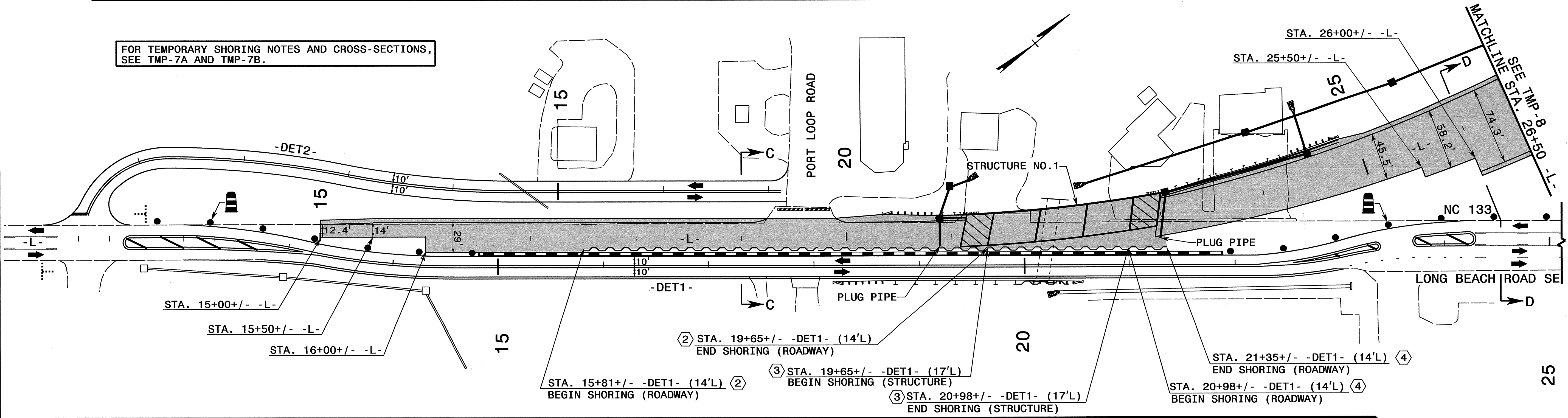
R:\OCT-2012\_0922  
 \DOT\GIS\DOT\Projects\TrafficControl\TCP\TMP\R3324\_Tc\_dhl\_tmp05.dgn  
 SCOOT5 AT 12:26:58





SECTION C-C

FOR TEMPORARY SHORING NOTES AND CROSS-SECTIONS, SEE TMP-7A AND TMP-7B.



SECTION D-D

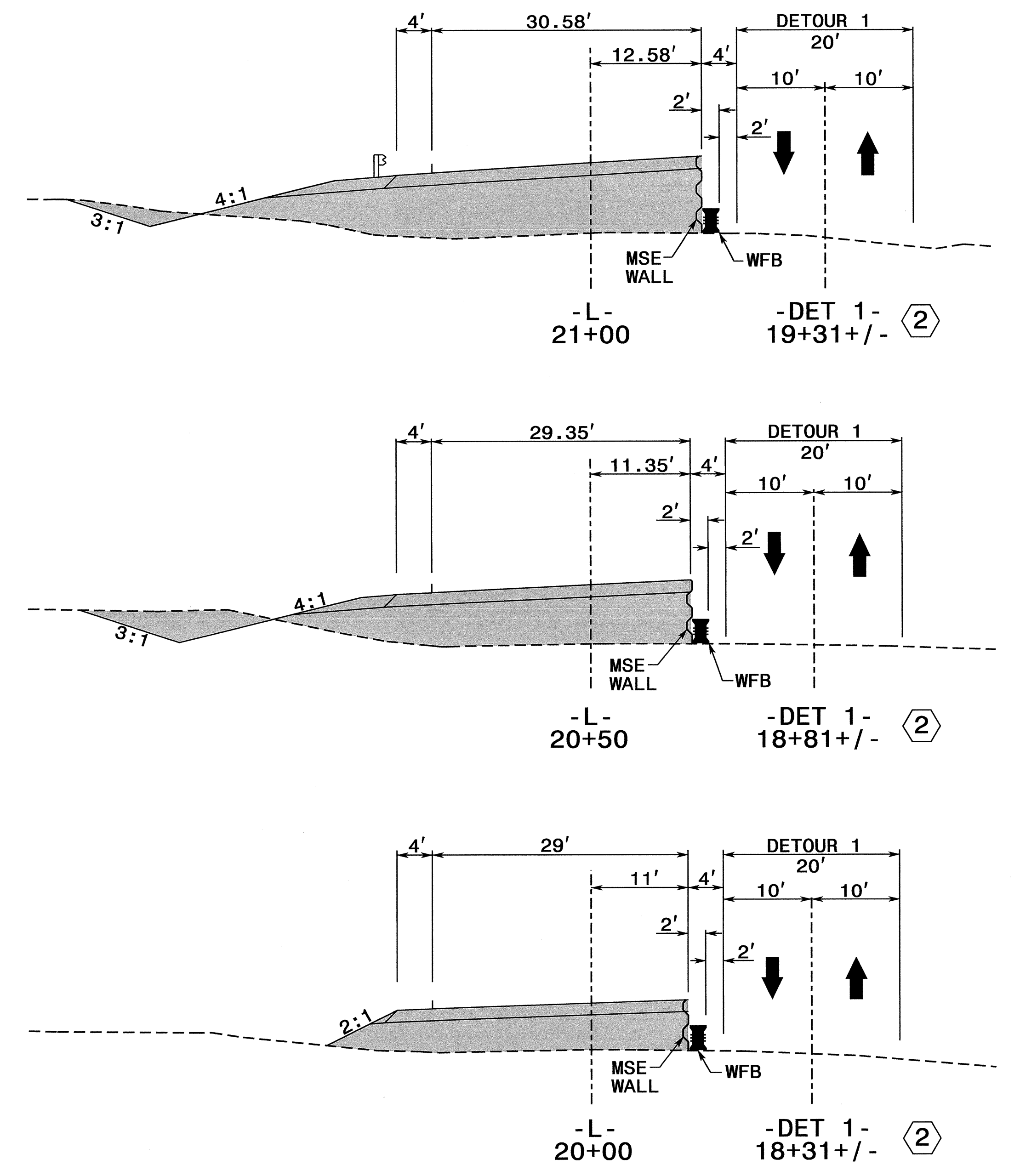
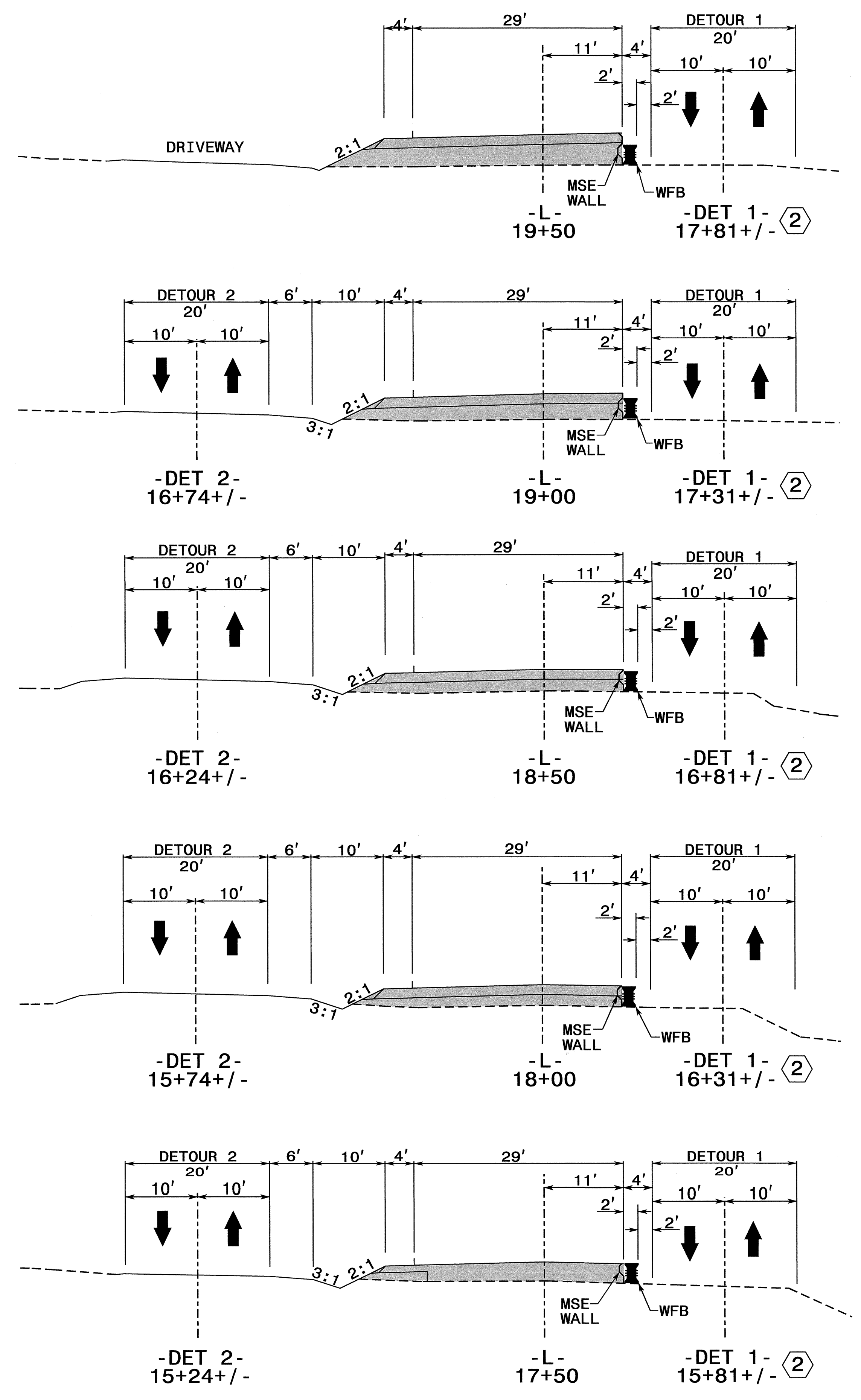
Shoring I.D. No.	Estimated Average Height (ft.)	Quantity (sq. ft.)
②	5.00 FT.	1,920 SQ. FT.
③	4.70 FT.	625 SQ. FT.
④	4.70 FT.	174 SQ. FT.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

PHASE I DETAILS  
-L- LINE

19-OCT-2012 09:23 \\dot\dfsroot\Pro\TIPProjects\R3324\TrafficControl\TCP\TMP\3324\_TC.phl.tmp07.dgn SCOTT AT TE265846

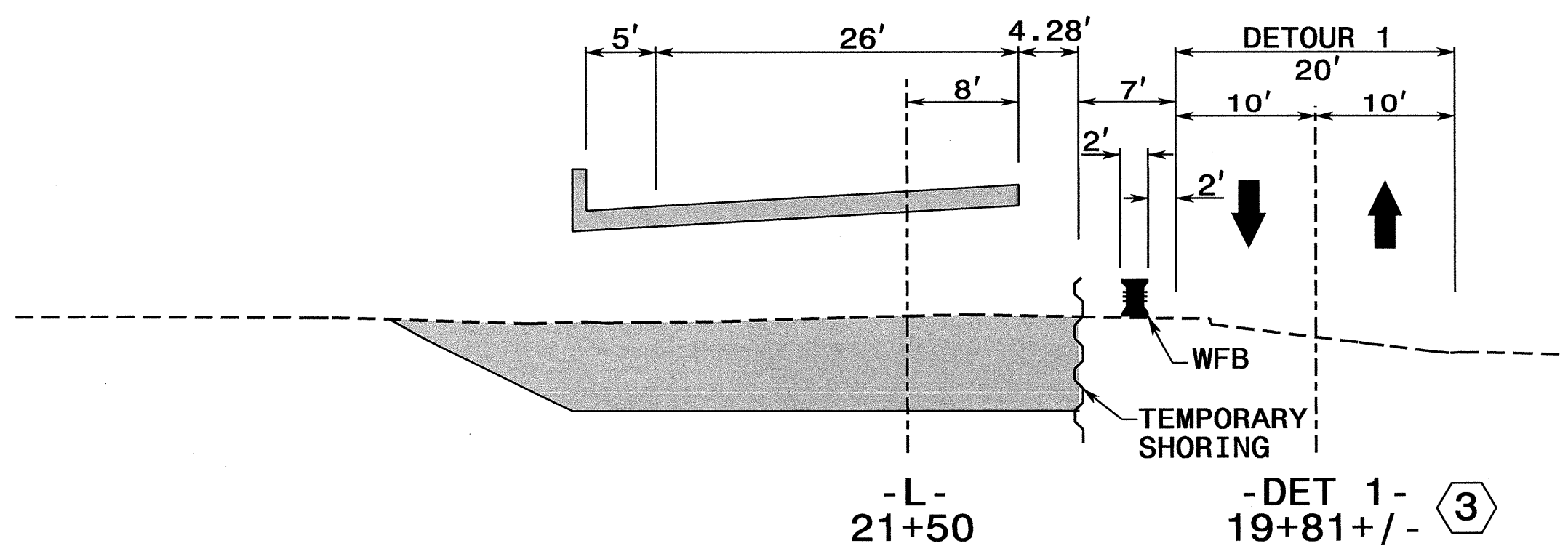
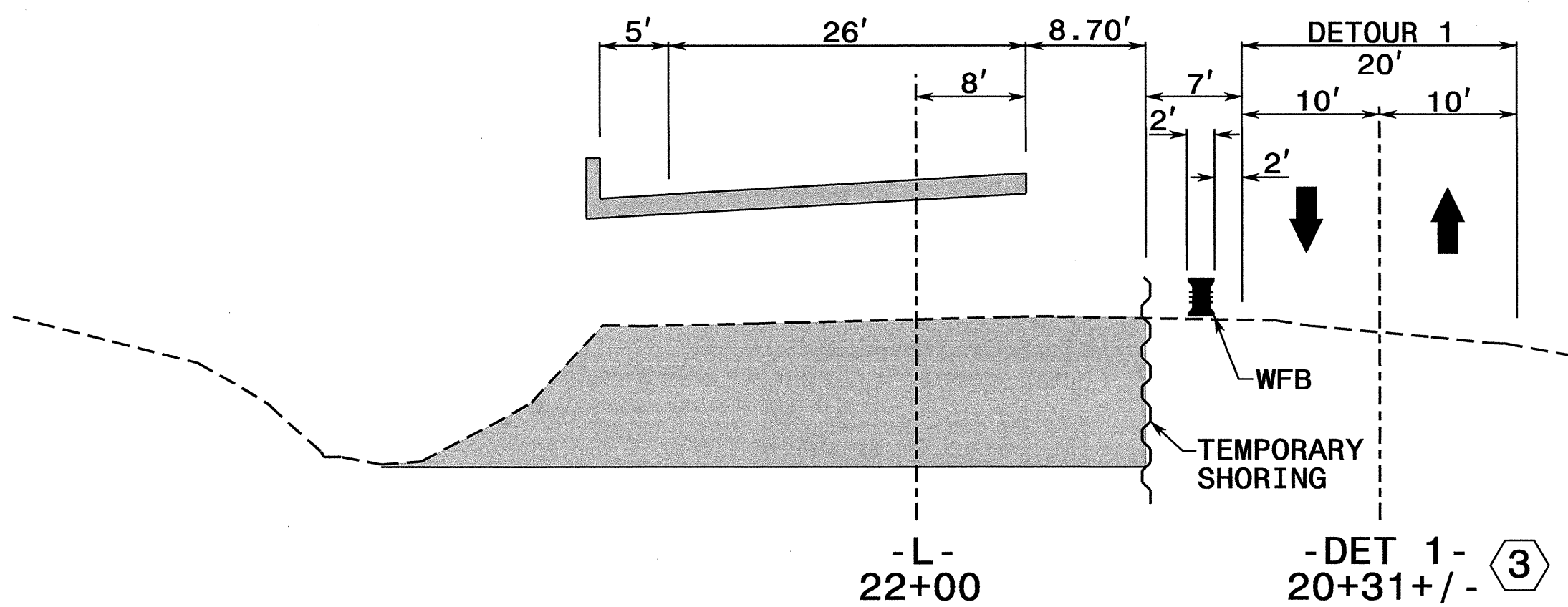
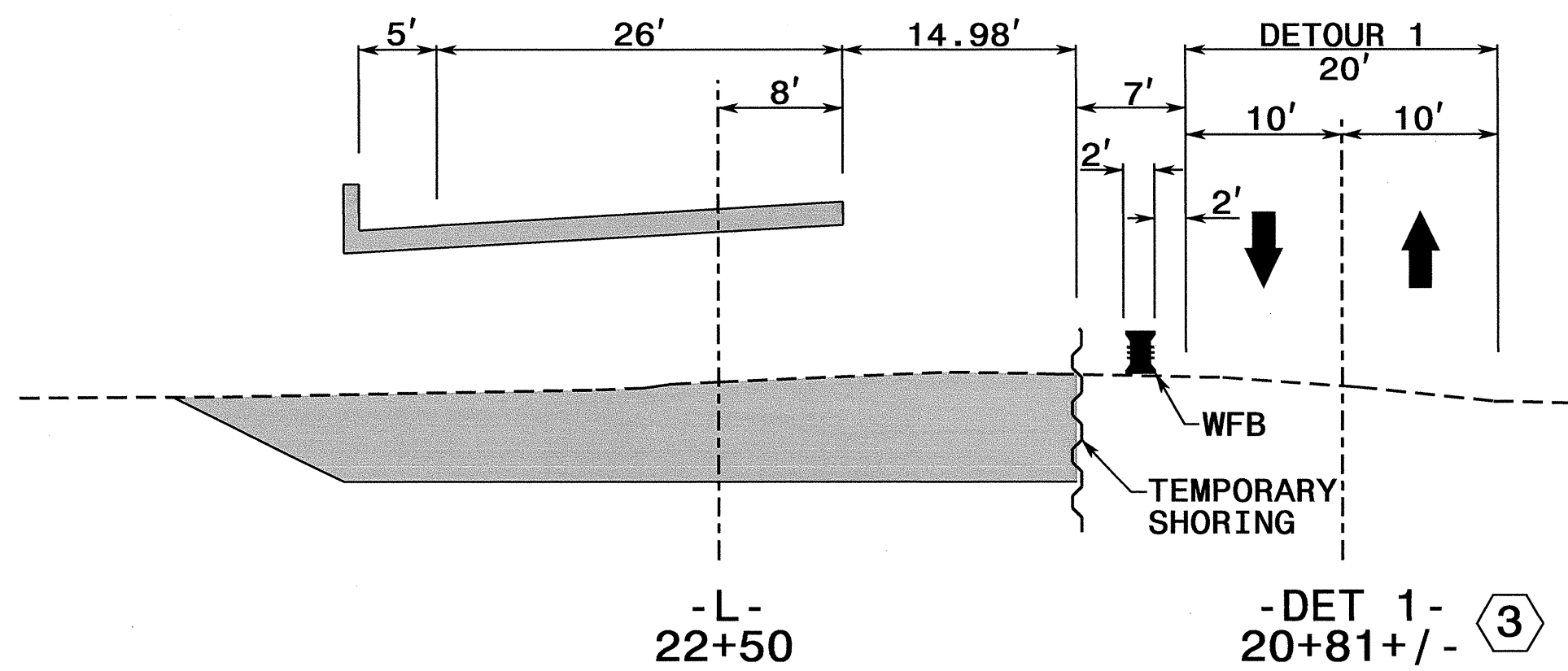
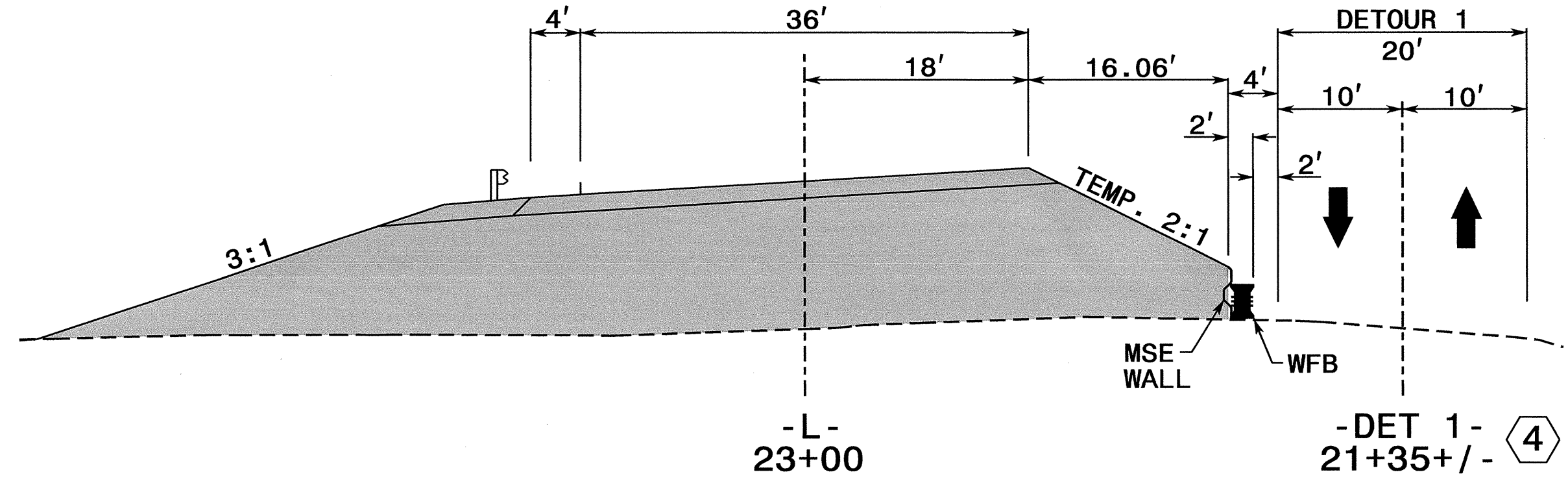


SEE TMP-7B FOR TEMPORARY SHORING NOTES

19-OCT-2012 09:53  
 \\c:\v\vis\at\proj\TIP\Projects-R\3324\Traffic\TrafficControl\TCP\TMP\3324.TC.dgn  
 s001 AT 12:26:58

APPROVED: _____ DATE: _____		<p align="center"><b>PHASE I SHORING CROSS-SECTIONS</b></p>

THE TEMPORARY SHORING NOTES WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO THE WZTCU ON 05-23-2012 AND SEALED BY A PROFESSIONAL ENGINEER, JINYOUNG PARK, P.E., LICENSE #32171.



**TEMPORARY SHORING NOTES**

② TEMPORARY SHORING NO. ② (SEE SHEET TMP-7)

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.

DESIGN TEMPORARY SHORING FROM STA. 15+81+/- -DET1-, 14.0 FT. LEFT, TO STA. 19+65+/- -DET1-, 14.0 FT. LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

- UNIT WEGHT ( $\gamma$ ) = 120 P/CF
- FRICTION ANGLE ( $\phi$ ) = 30°
- COHESION, c = 0 P/SF
- GROUNDWATER ELEVATION = 8.0 FT.+/-

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STA. 15+81+/- -DET1-, 14.0 FT. LEFT, TO STA. 19+65+/- -DET1-, 14.0 FT. LEFT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STA. 15+81+/- -DET1-, 14.0 FT. LEFT, TO STA. 19+65+/- -DET1-, 14.0 FT. LEFT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STA. 15+81+/- -DET1-, 14.0 FT. LEFT, TO STA. 19+65+/- -DET1-, 14.0 FT. LEFT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR 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.

③ TEMPORARY SHORING NO. ③ (SEE SHEET TMP-7)

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.

DESIGN TEMPORARY SHORING FROM STA. 19+65+/- -DET1-, 17.0 FT. LEFT, TO STA. 20+98+/- -DET1-, 17.0 FT. LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

- UNIT WEGHT ( $\gamma$ ) = 120 P/CF
- FRICTION ANGLE ( $\phi$ ) = 30°
- COHESION, c = 0 P/SF
- GROUNDWATER ELEVATION = 8.0 FT.+/-

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STA. 19+65+/- -DET1-, 17.0 FT. LEFT, TO STA. 20+98+/- -DET1-, 17.0 FT. LEFT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DO NOT USE TEMPORARY WALL FOR TEMPORARY SHORING FROM STA. 19+65+/- -DET1-, 17.0 FT. LEFT, TO STA. 20+98+/- -DET1-, 17.0 FT. LEFT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STA. 19+65+/- -DET1-, 17.0 FT. LEFT, TO STA. 20+16+/- -DET1-, 17.0 FT. LEFT, AND FROM STA. 20+28+/- -DET1-, 17.0 FT. LEFT, TO STA. 20+98+/- -DET1-, 17.0 FT. LEFT. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

④ TEMPORARY SHORING NO. ④ (SEE SHEET TMP-7)

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.

DESIGN TEMPORARY SHORING FROM STA. 20+98+/- -DET1-, 14.0 FT. LEFT, TO STA. 21+35+/- -DET1-, 14.0 FT. LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

- UNIT WEGHT ( $\gamma$ ) = 120 P/CF
- FRICTION ANGLE ( $\phi$ ) = 30°
- COHESION, c = 0 P/SF
- GROUNDWATER ELEVATION = 8.0 FT.+/-

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STA. 20+98+/- -DET1-, 14.0 FT. LEFT, TO STA. 21+35+/- -DET1-, 14.0 FT. LEFT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STA. 20+98+/- -DET1-, 14.0 FT. LEFT, TO STA. 21+35+/- -DET1-, 14.0 FT. LEFT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STA. 20+98+/- -DET1-, 14.0 FT. LEFT, TO STA. 21+35+/- -DET1-, 14.0 FT. LEFT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

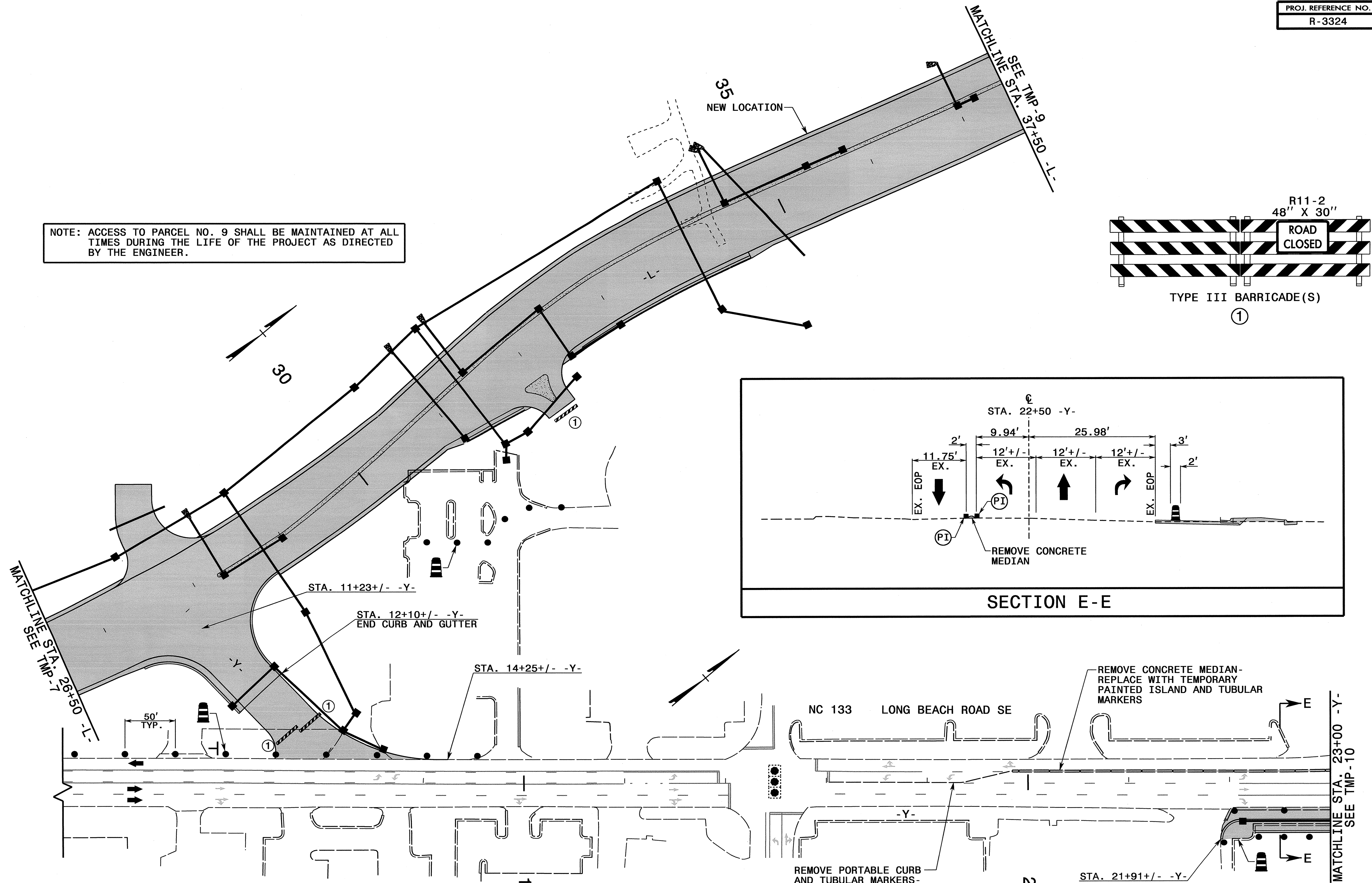
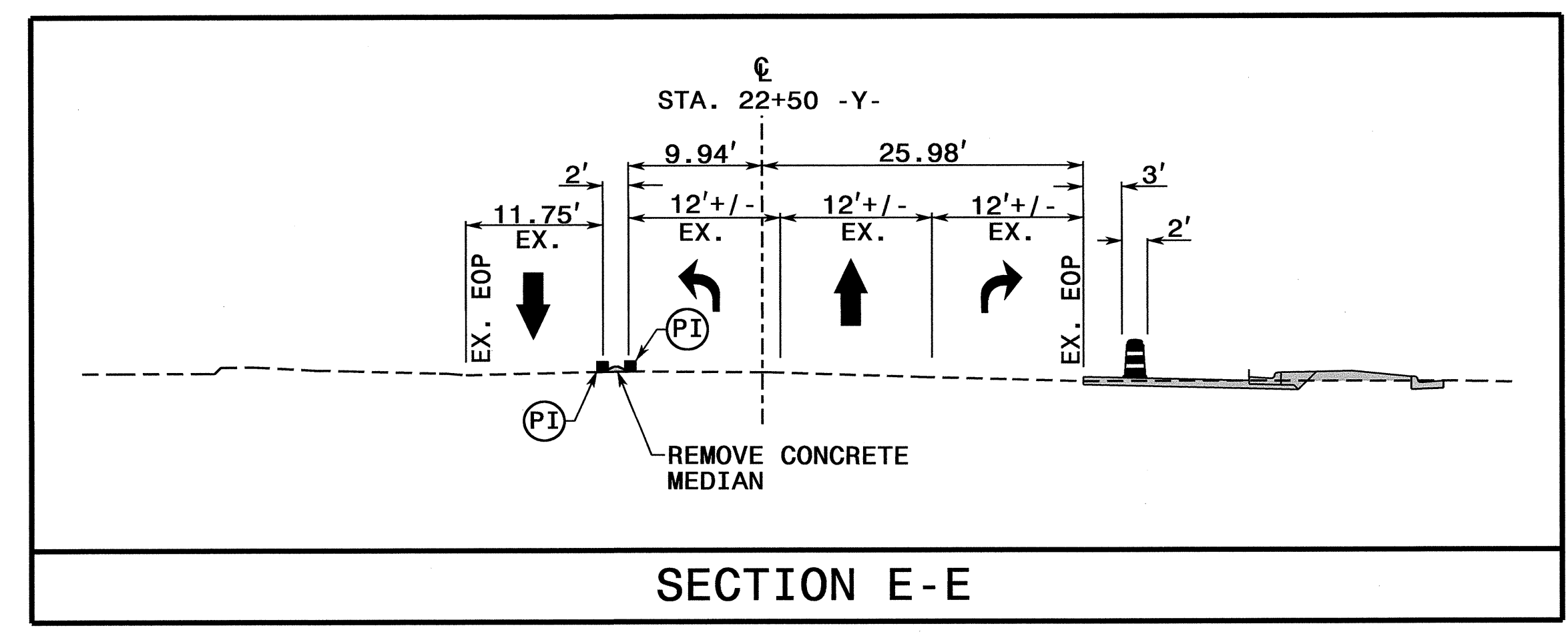
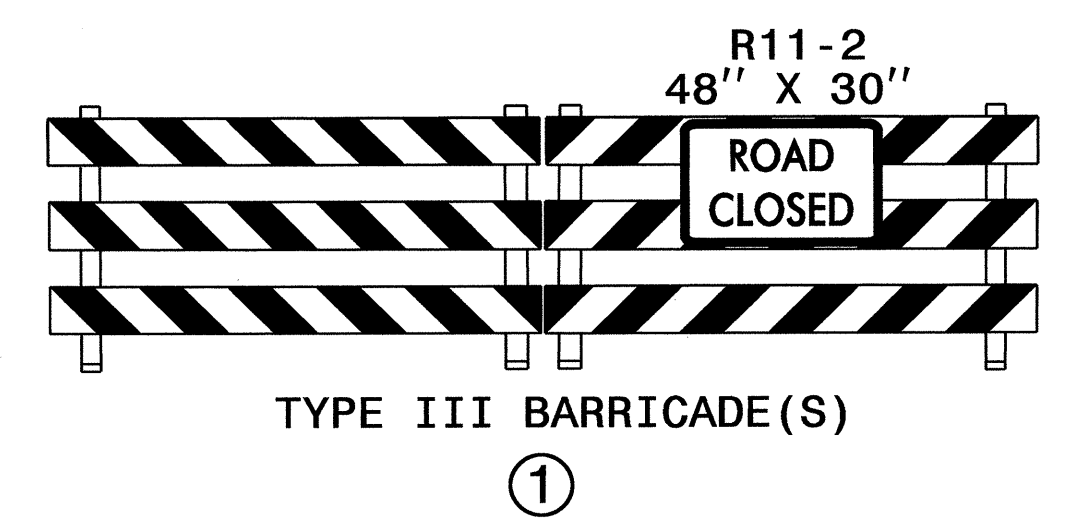
WHEN BACKFILL FOR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

**PHASE I  
SHORING CROSS-SECTIONS  
TEMPORARY SHORING NOTES**

19-OCT-2012 09:54  
C:\GIS\Projects\193324\Traffic\TrafficControl\TMP\3324\_Tc.phl.tmp07b.dgn  
SC0015 AT 12:56:58

NOTE: ACCESS TO PARCEL NO. 9 SHALL BE MAINTAINED AT ALL TIMES DURING THE LIFE OF THE PROJECT AS DIRECTED BY THE ENGINEER.



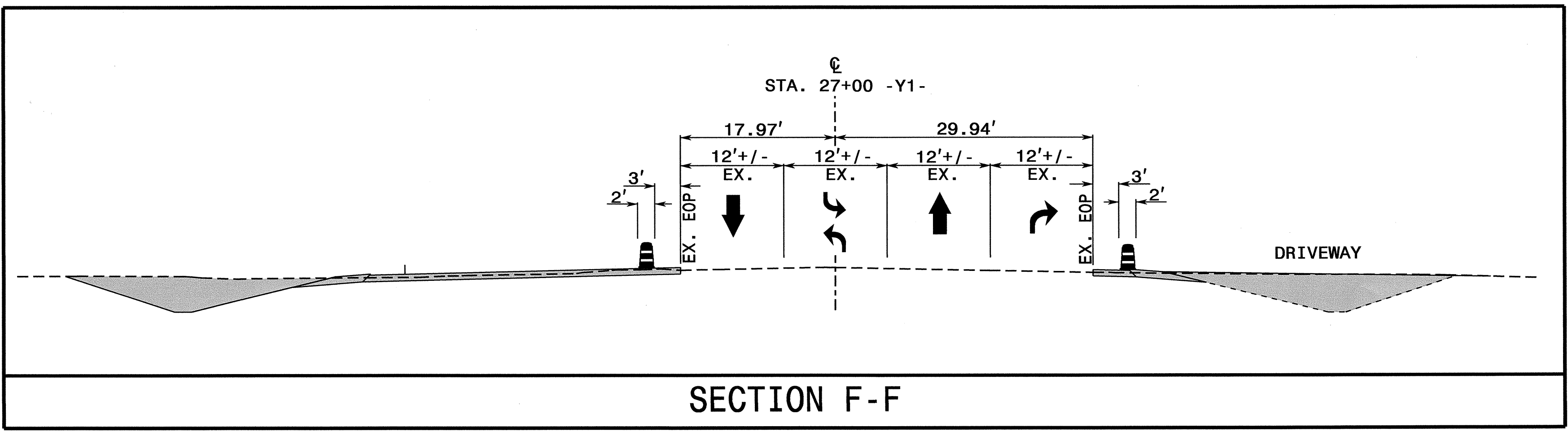
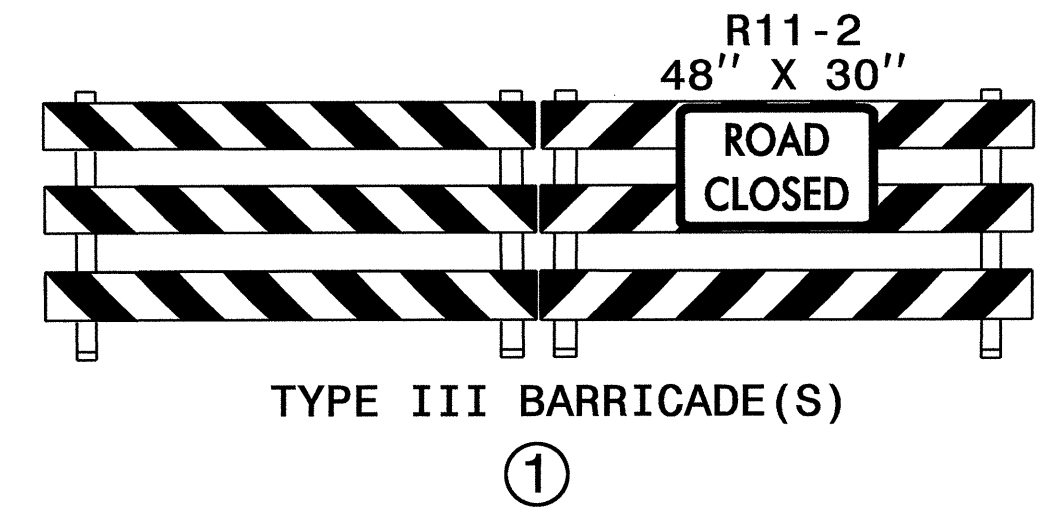
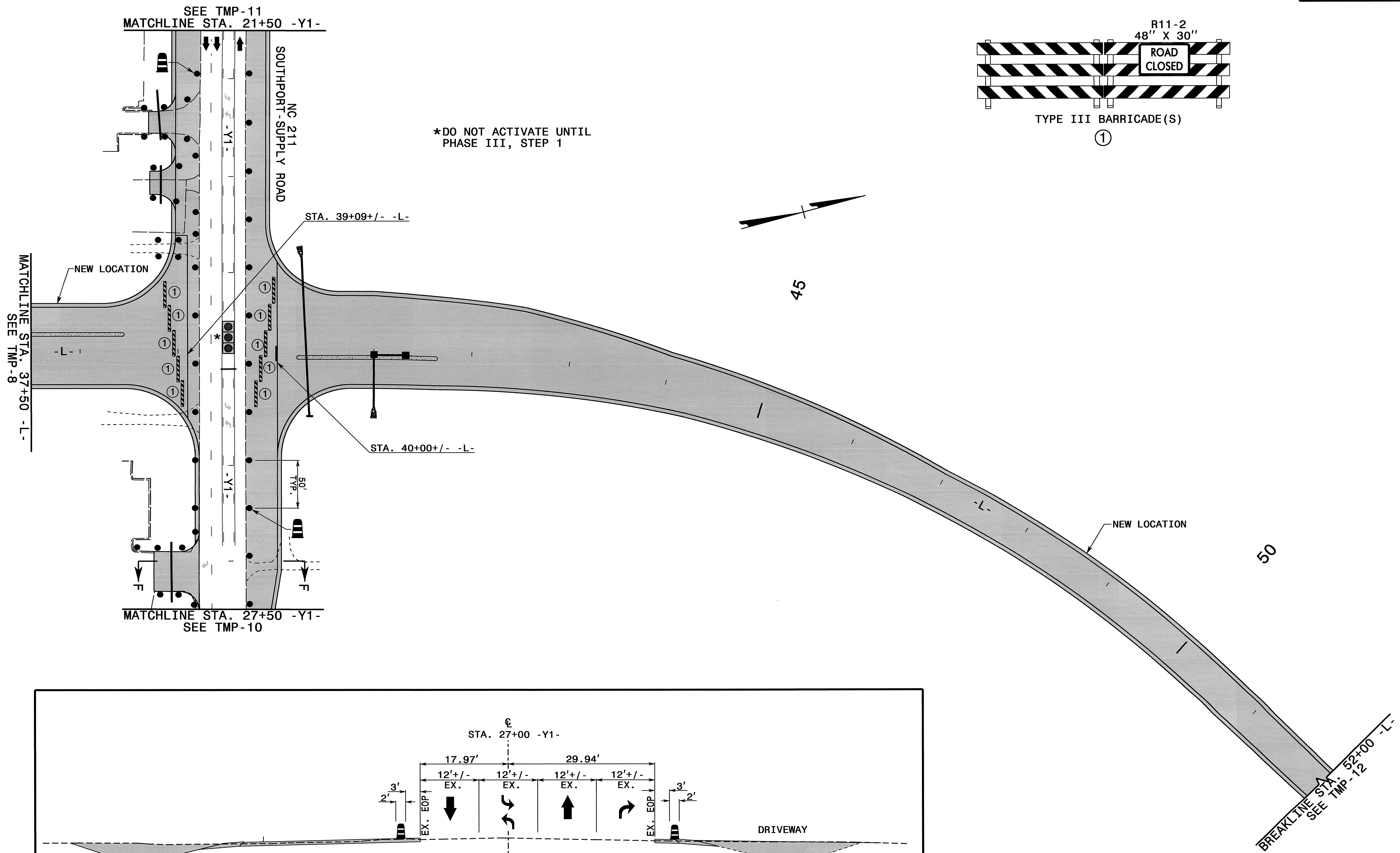
TEMPORARY PAVEMENT MARKING LEGEND	
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

REFER TO RSD NOS. 1205.01, 1205.02, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

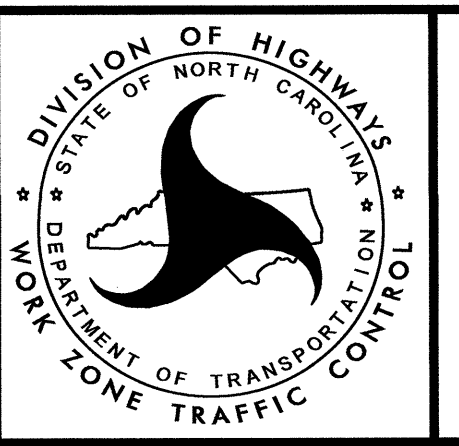
PHASE I DETAILS  
-L- LINE AND  
-Y- LINE

I:\001-2012-0925\001-2012-0925\Projects\R3324\TrafficControl\TCP\TMP\R3324\_Tc.phl.tmp08.dgn  
10/11/12 11:58:56 AM



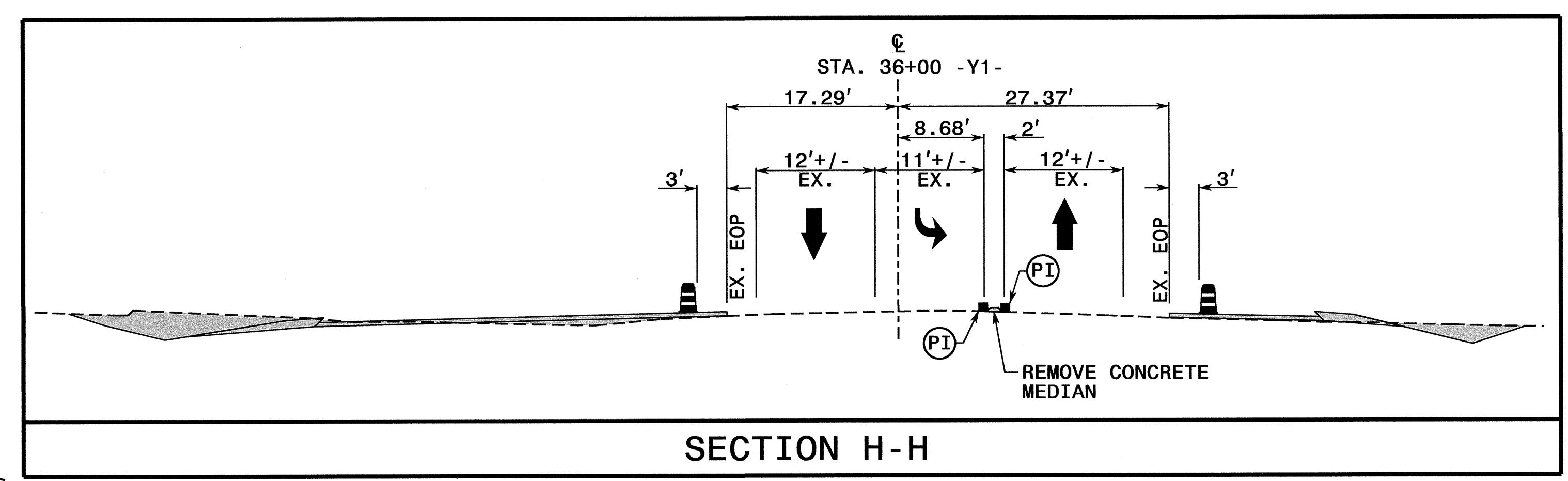
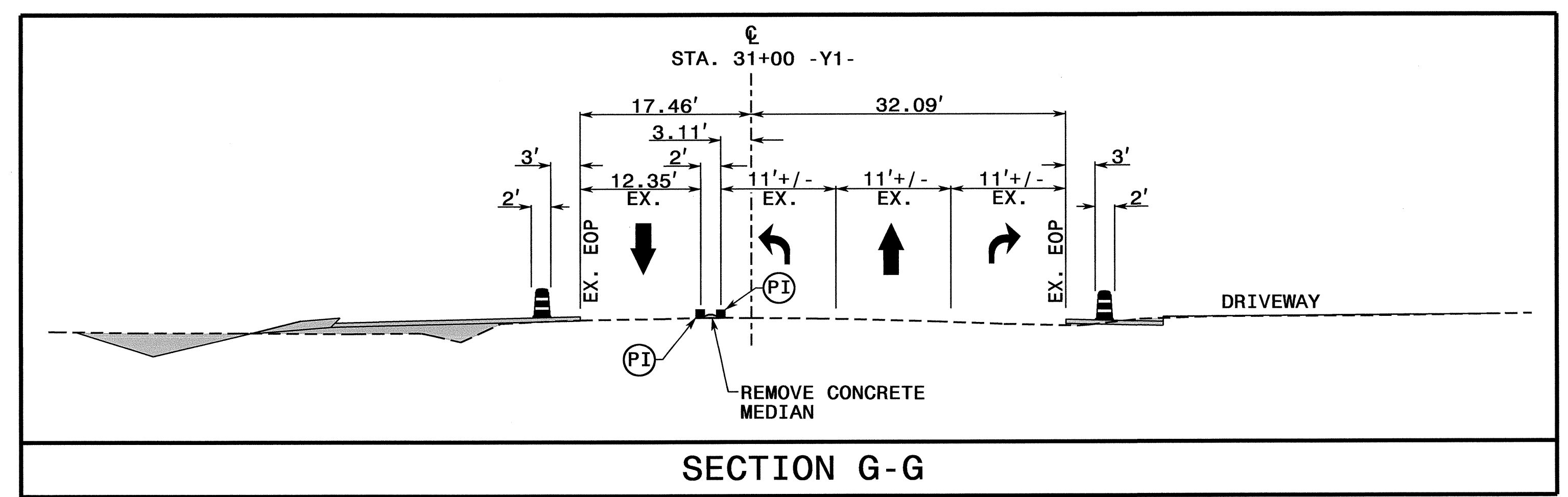
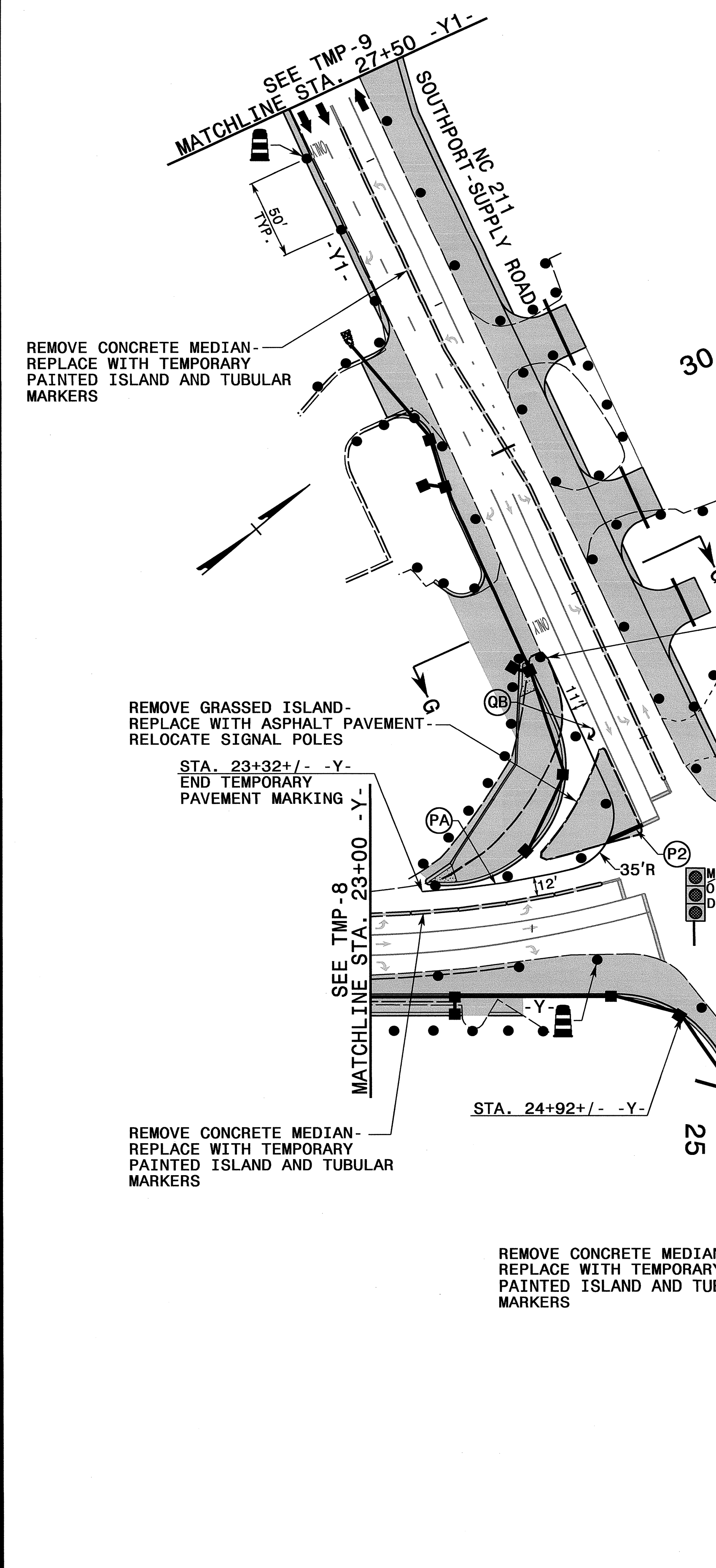
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL



PHASE I DETAILS  
-L- LINE AND  
-Y1- LINE

19-OCT-2012 09:25  
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 scdgs AT TEL6886



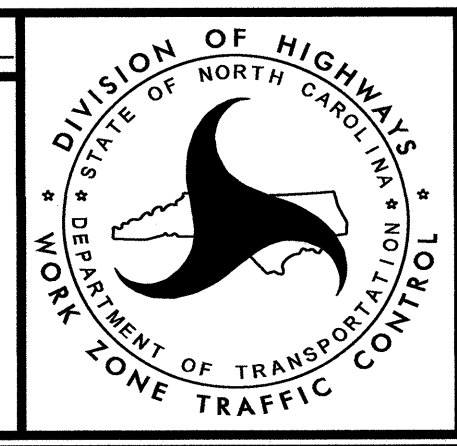
TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QB)	PAINT - RIGHT TURN ARROW - →

REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

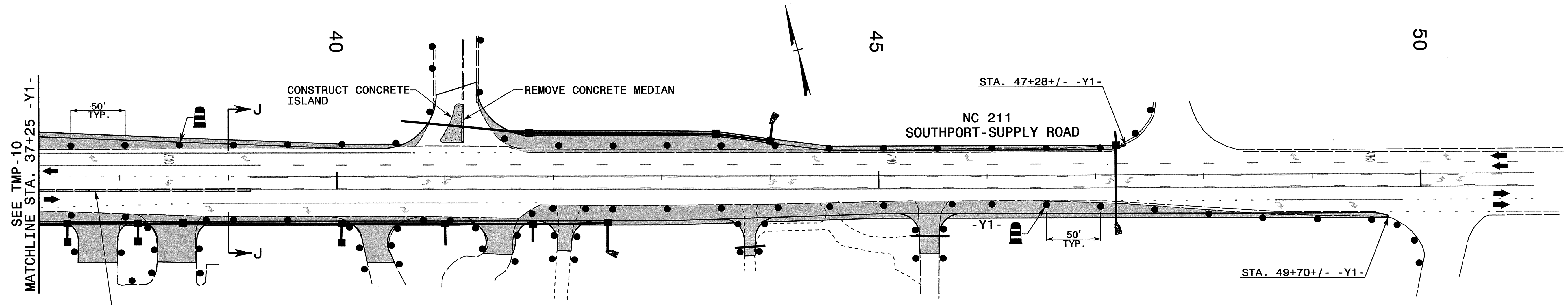
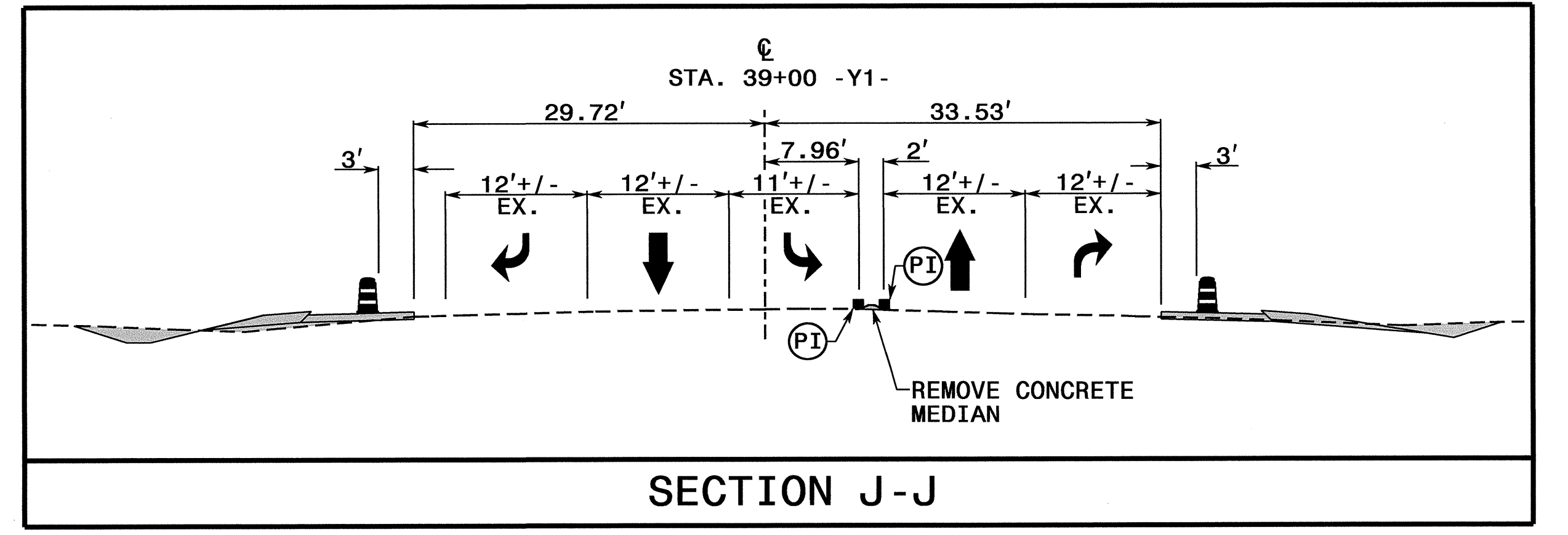
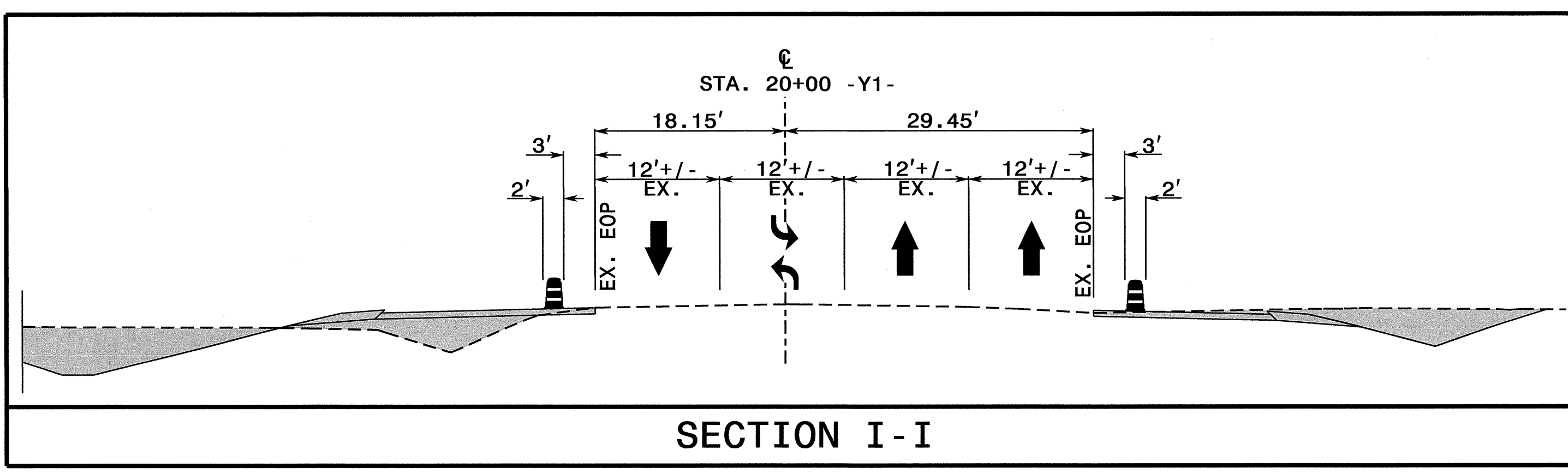
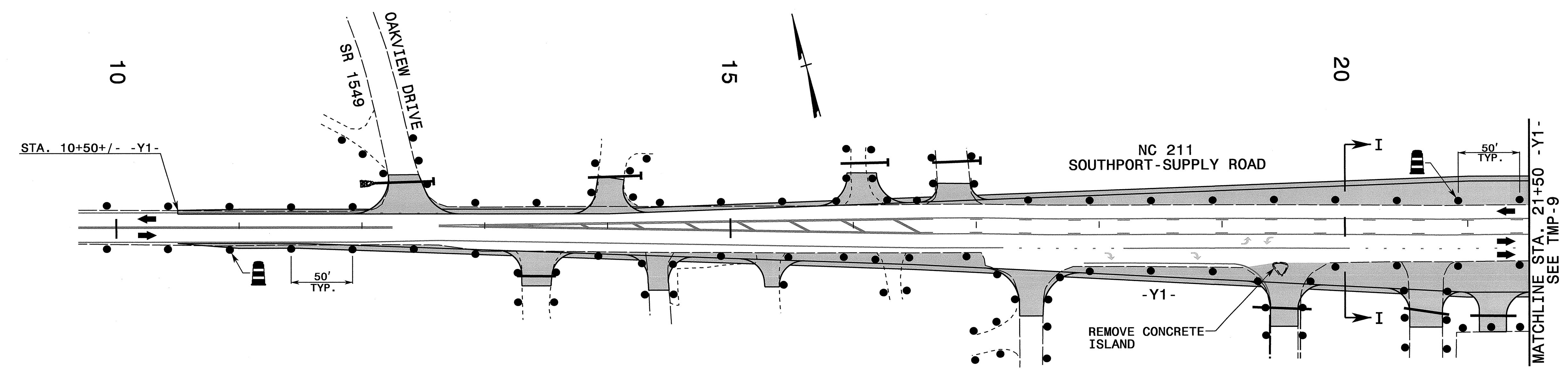
19-OCT-2012 09:26  
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 AT 12265836

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_



**PHASE I DETAILS**  
**-Y- LINE, -Y1- LINE**  
**AND -Y5- LINE**





REMOVE CONCRETE MEDIAN-  
REPLACE WITH TEMPORARY  
PAINTED ISLAND AND TUBULAR  
MARKERS

TEMPORARY PAVEMENT MARKING LEGEND	
(PI)	PAIN - YELLOW DOUBLE CENTER - (4")

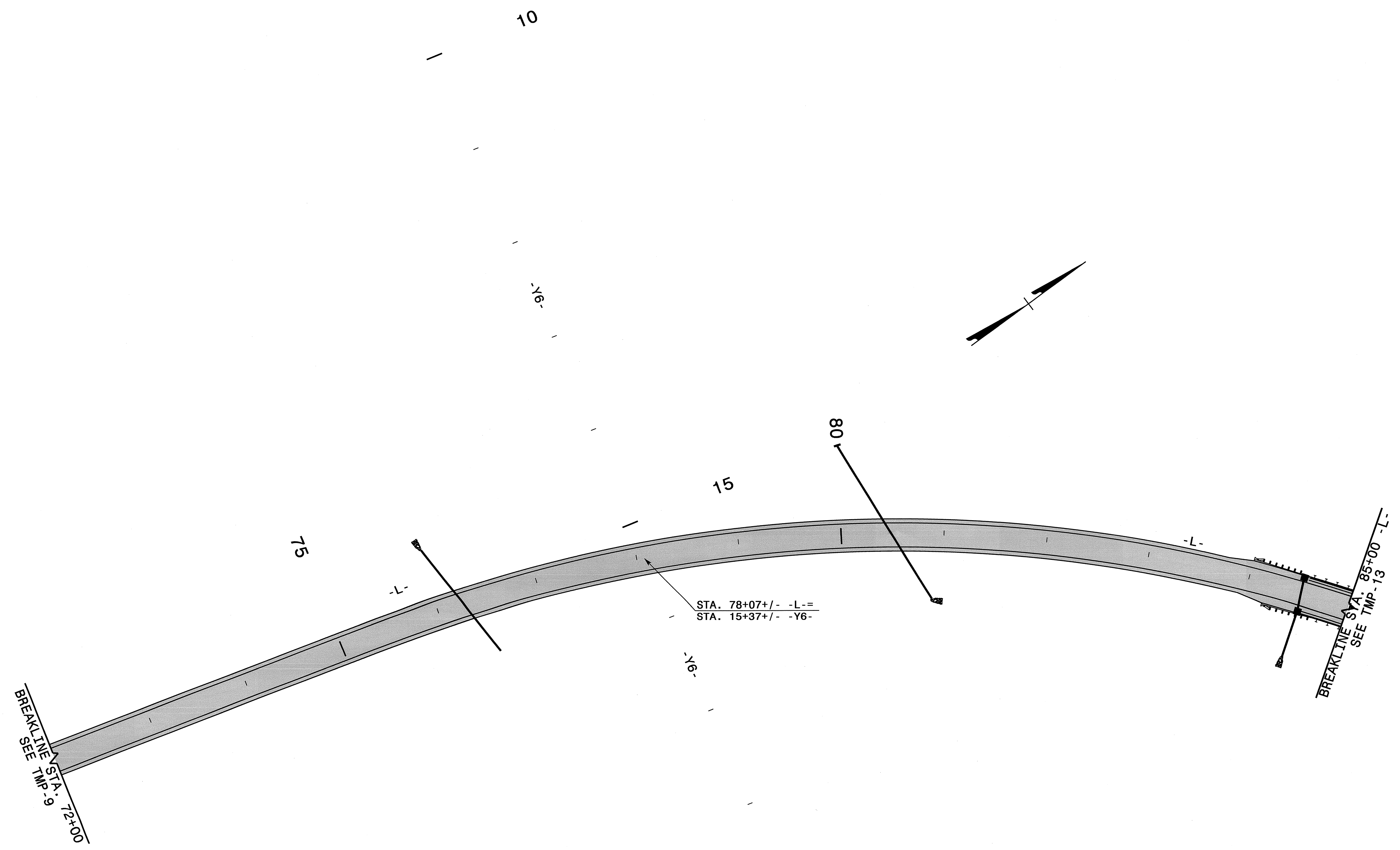
REFER TO RSD NOS. 1205.01, 1205.02, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

**PHASE I DETAILS  
-Y1- LINE**

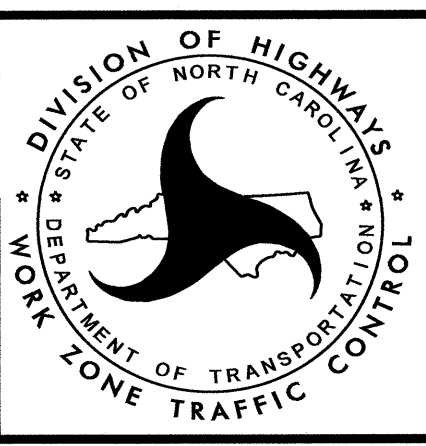
19-OCT-2012 09:26  
 C:\ot\dris\001\11\IP\Projects-R\3324\Traffic\TrafficControl\TCP\TMP\3324\_TC.phl.tmp\pl.dgn  
 SOCIETY AT 1126586



19-OCT-2012 09:27  
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 SOCIIS AT 126586

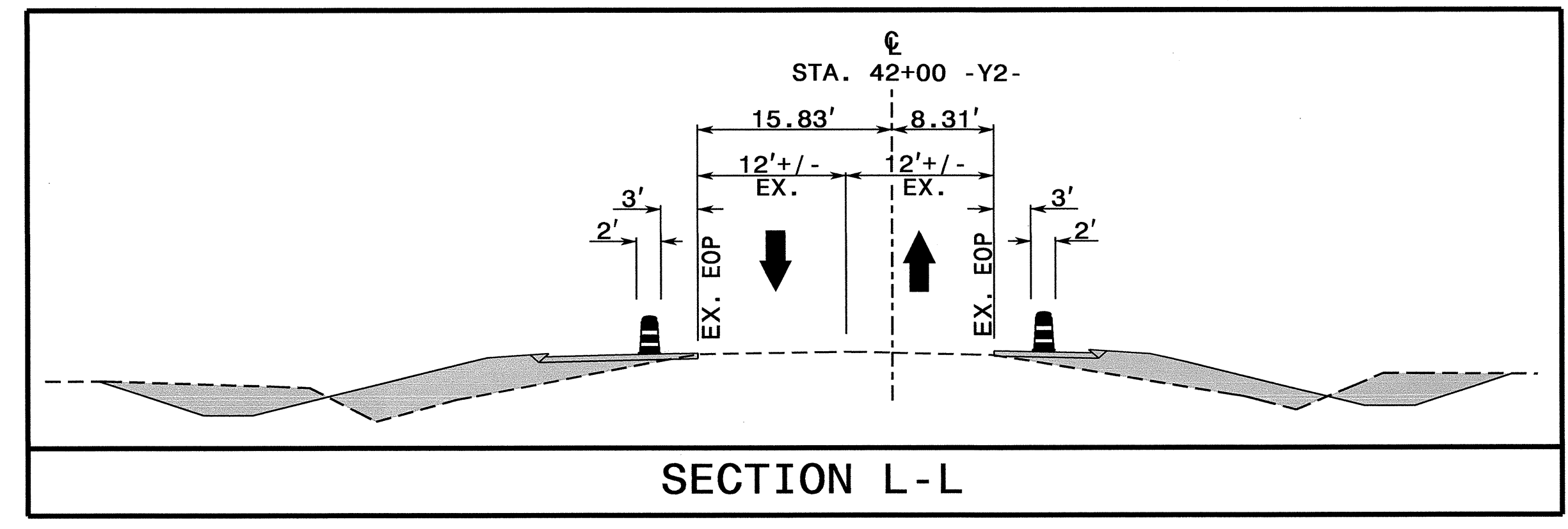
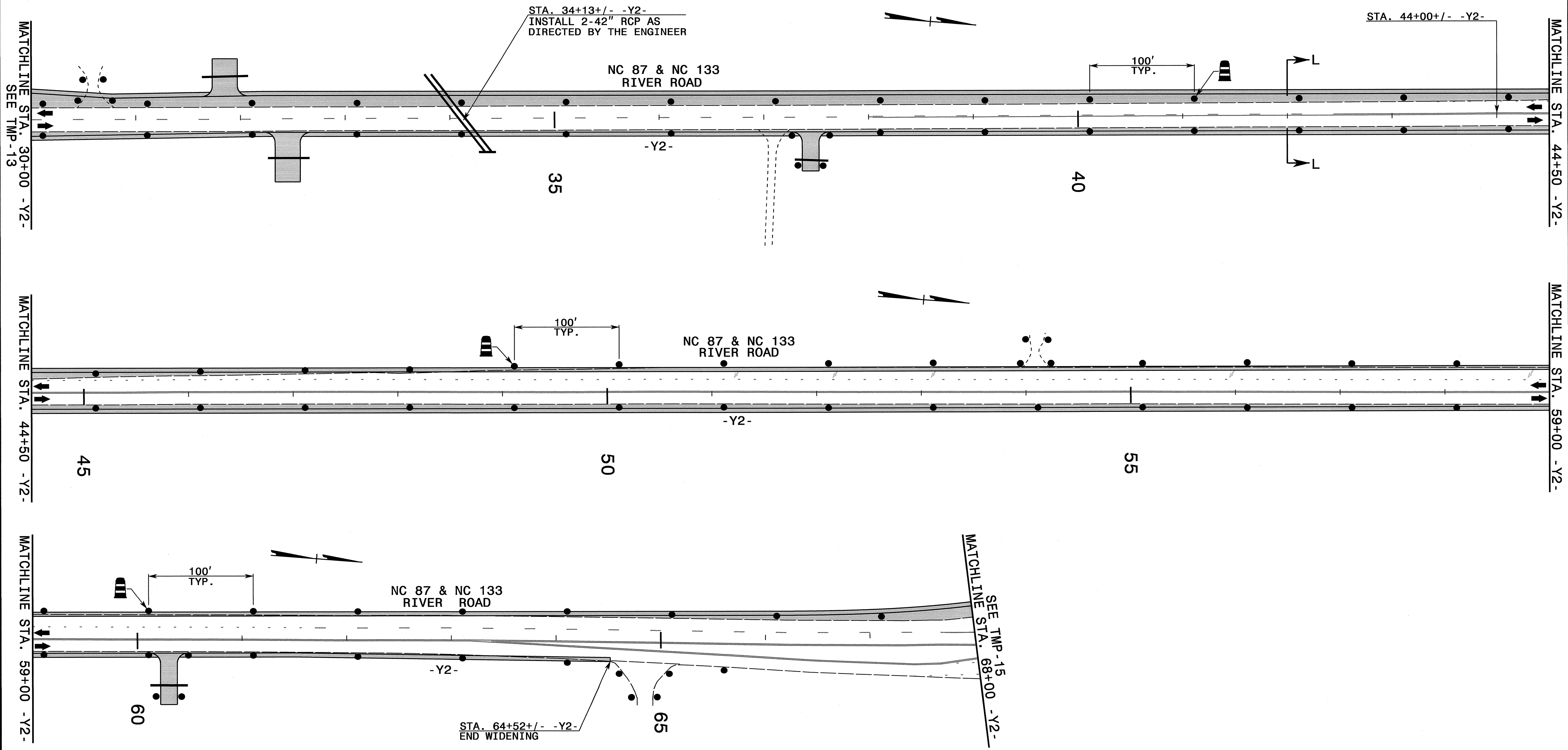
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL



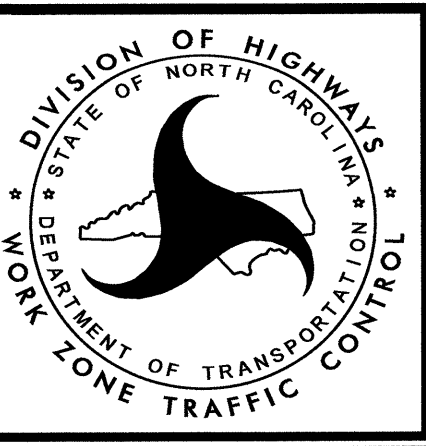
**PHASE I DETAILS**  
 -L- LINE AND  
 -Y6- LINE





APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

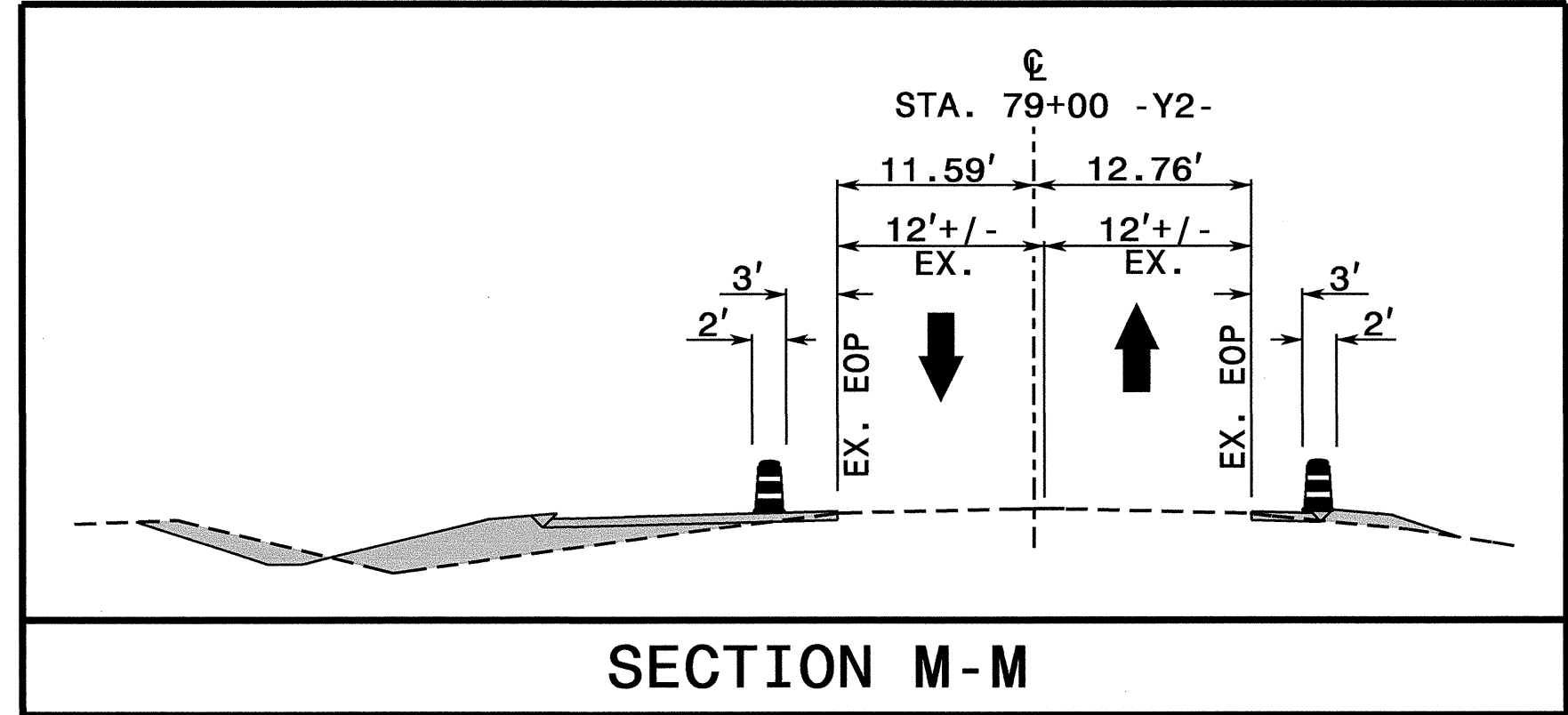
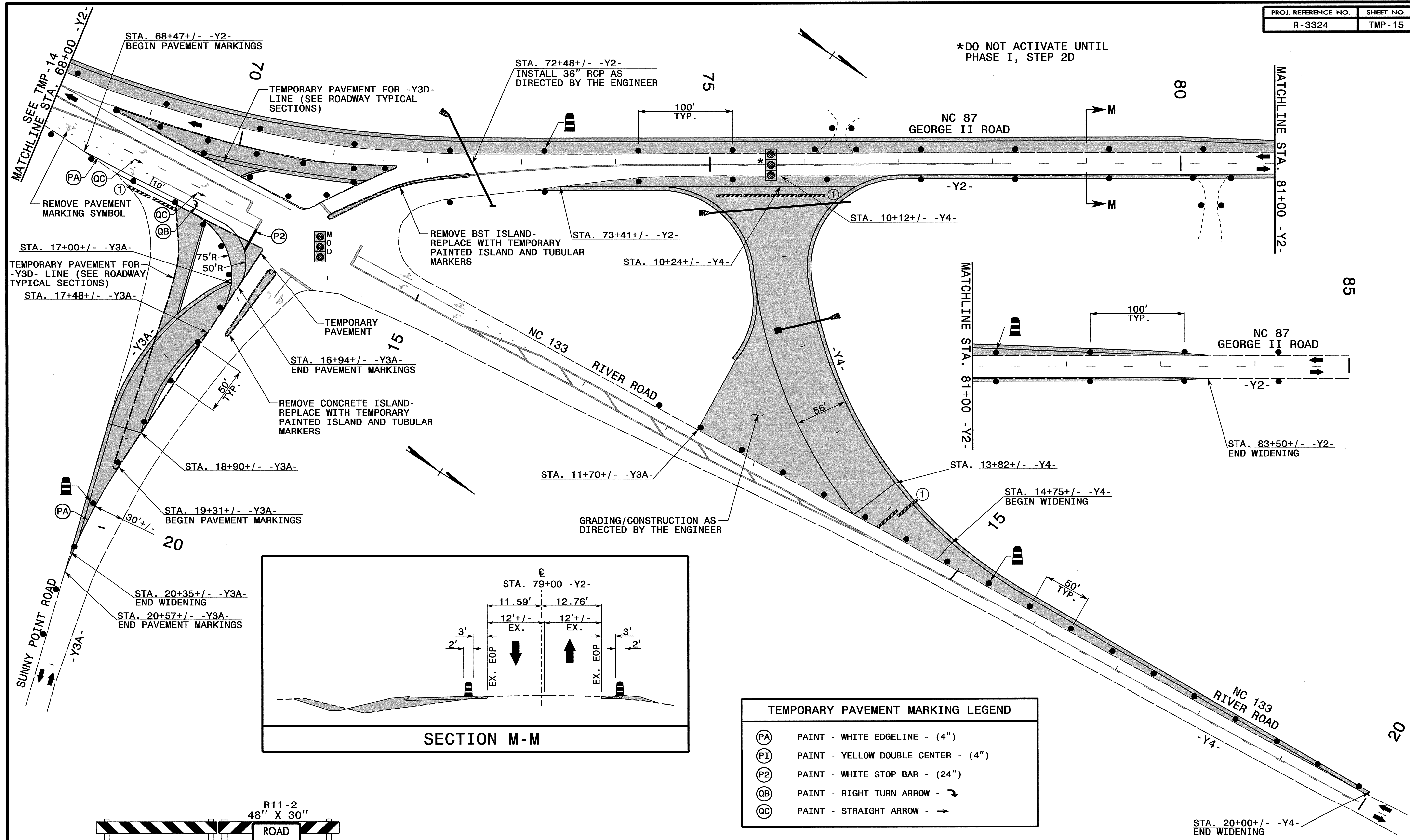
SEAL



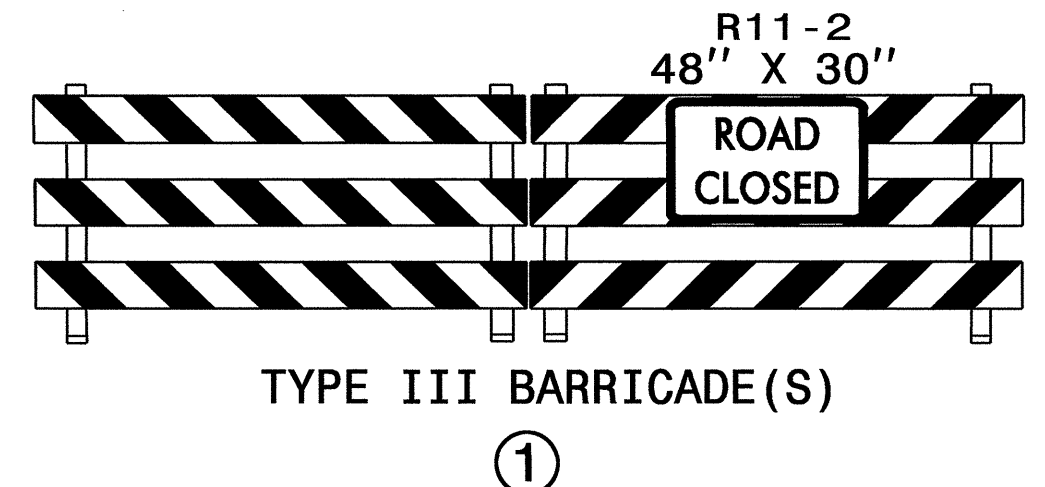
PHASE I DETAILS  
-Y2- LINE

14-JAN-2013 12:35  
 \\dot\dfs\root\proj\TIP\Projects-R\3324\TrafficControl\TCP\TMP\3324\_Tc.phl.tmp4.dgn  
 At 12:26:58  
 sgreen

\*DO NOT ACTIVATE UNTIL  
PHASE I, STEP 2D



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(P2)	PAINT - WHITE STOP BAR - (24")
(QB)	PAINT - RIGHT TURN ARROW - ↘
(QC)	PAINT - STRAIGHT ARROW - →

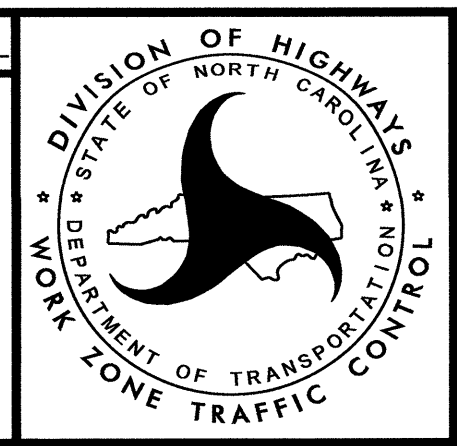


REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

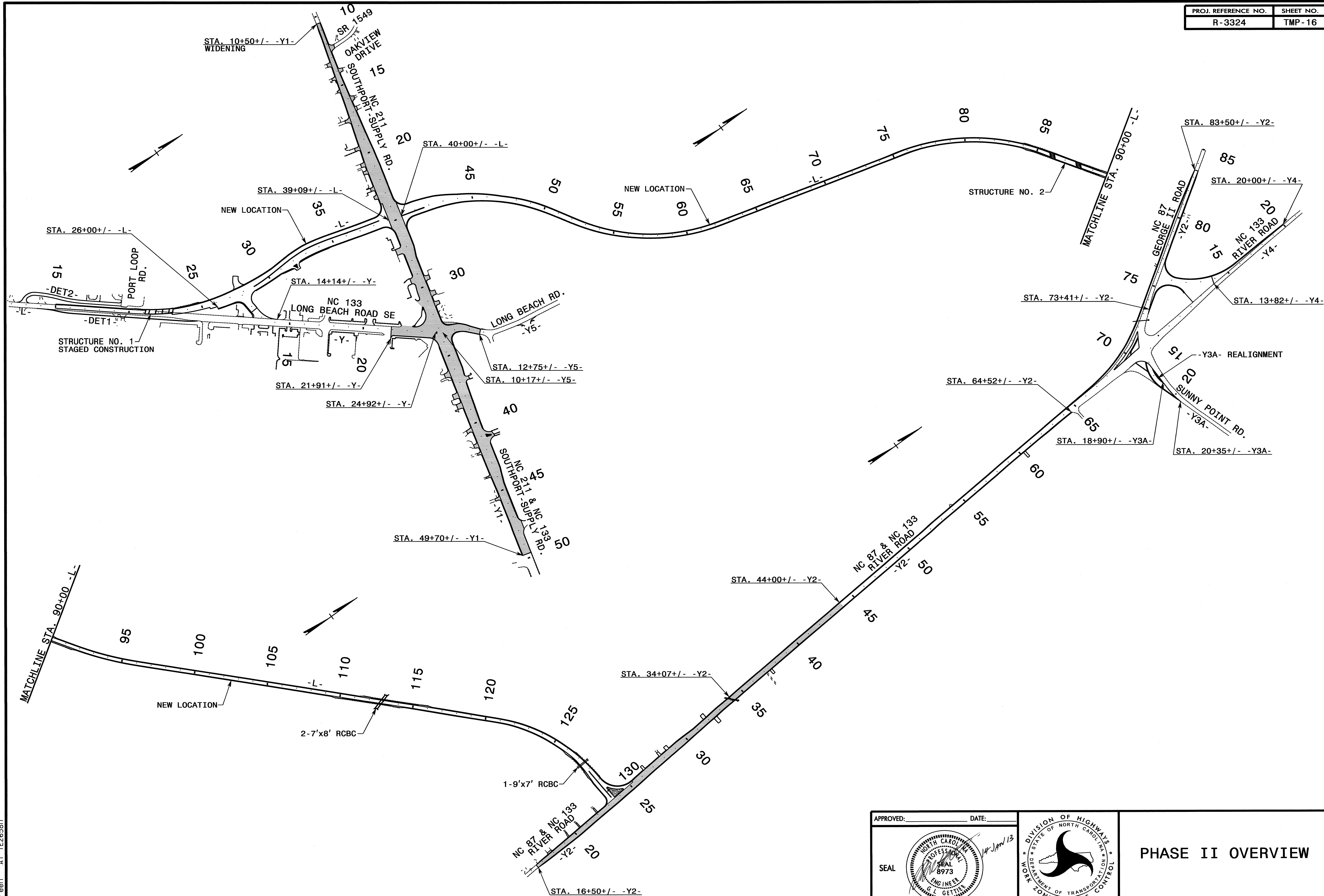
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL



PHASE I DETAILS  
-Y2- LINE, -Y3A- LINE,  
AND -Y4- LINE

14-JAN-2013 14:25  
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 AT TE265817  
 sngreen

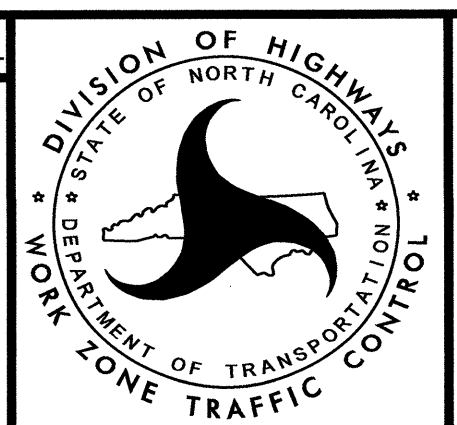


14-JAN-2013 12:36  
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 sngreen AT TE26587

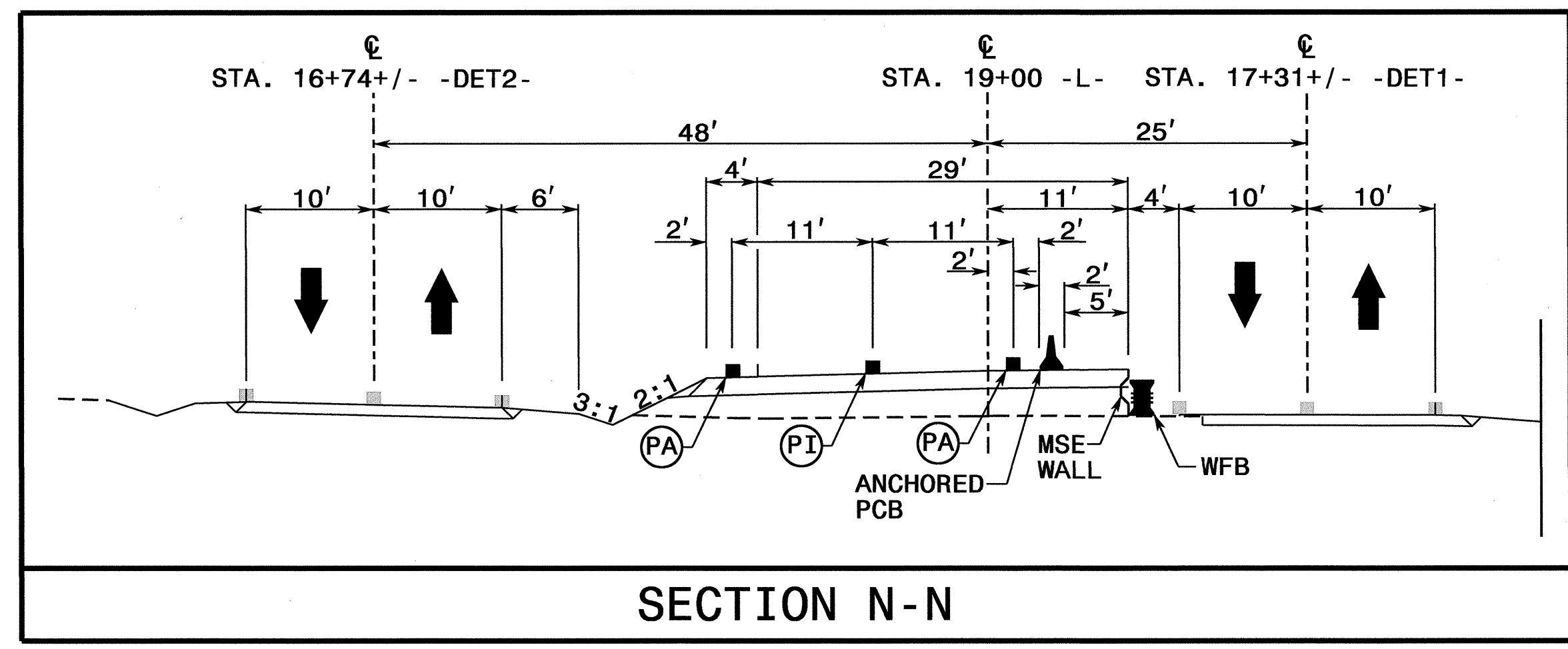
APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

*G. J. Gettles*  
1/13/13

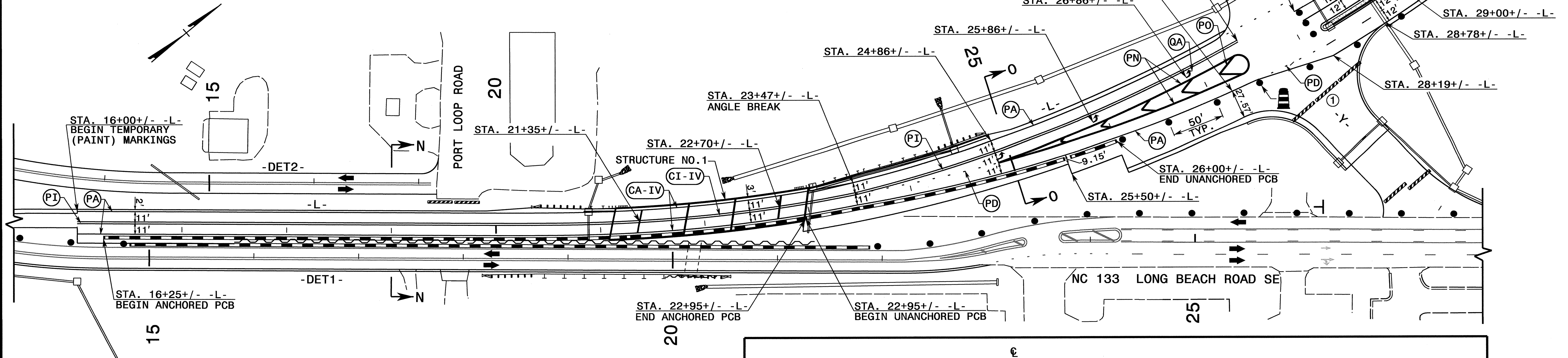
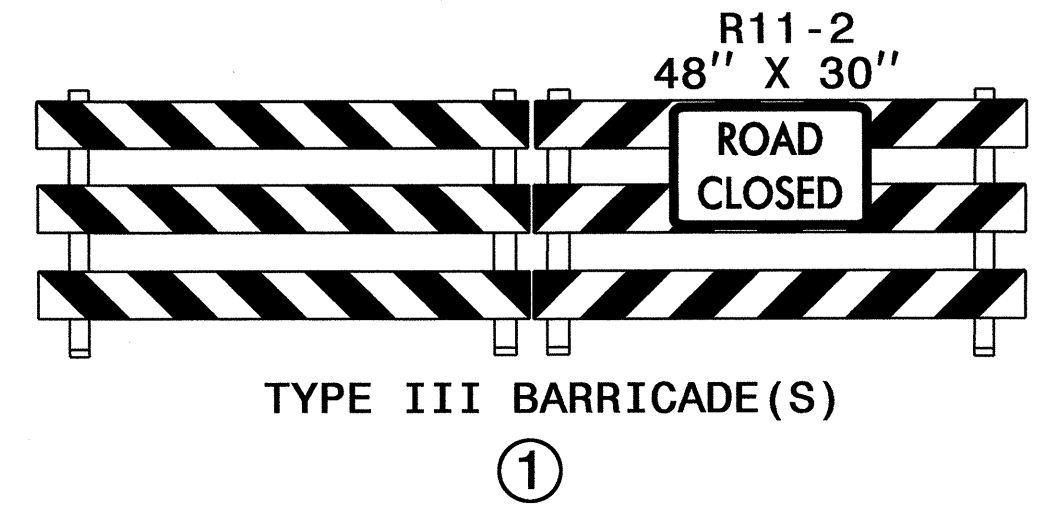


PHASE II OVERVIEW

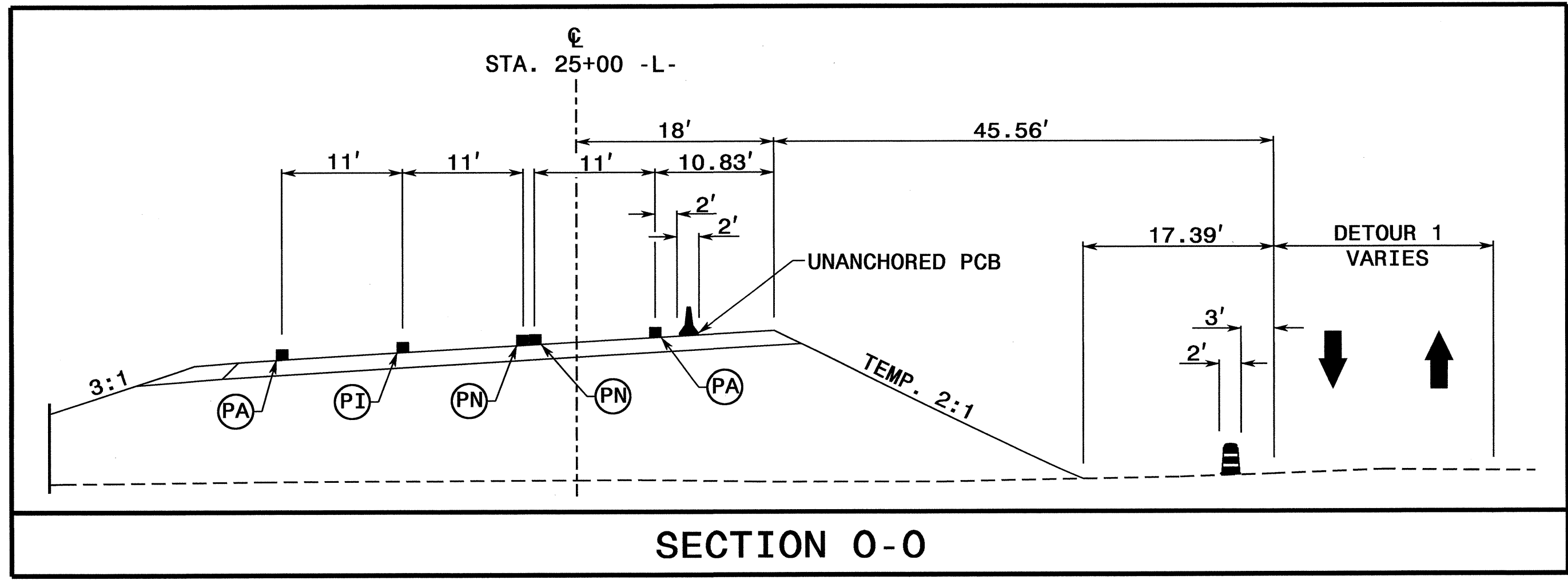


REFER TO RSD NOS. 1205.01, 1205.02, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.



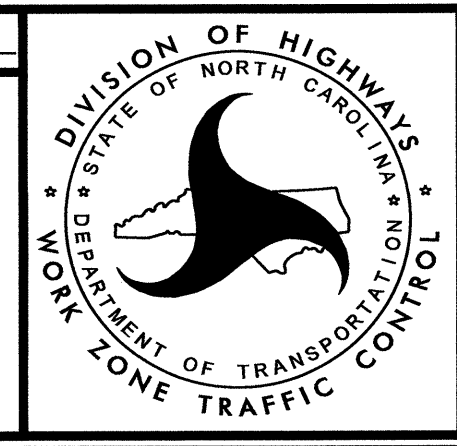
TEMPORARY PAVEMENT MARKING LEGEND	
(CA-IV)	COLD APPLIED PLASTIC (TYPE 4) - WHITE EDGELINE - (4")
(CB-IV)	COLD APPLIED PLASTIC (TYPE 4) - YELLOW EDGELINE - (4")
(CI-IV)	COLD APPLIED PLASTIC (TYPE 4) - YELLOW DOUBLE CENTER - (4")
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PN)	PAINT - WHITE GORELINE - (8")
(PO)	PAINT - WHITE DIAGONAL - (8")
(QA)	PAINT - LEFT TURN ARROW - ↶
(QC)	PAINT - STRAIGHT ARROW - →
(QE)	PAINT - COMBO. STRAIGHT/RIGHT ARROW - ↷



19-OCT-2012 09:58  
 C:\Users\jg101\OneDrive\Projects\3324\TrafficControl\TMP\R3324\_TC.ph2.tmp17.dgn  
 saved at 12:26:58

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

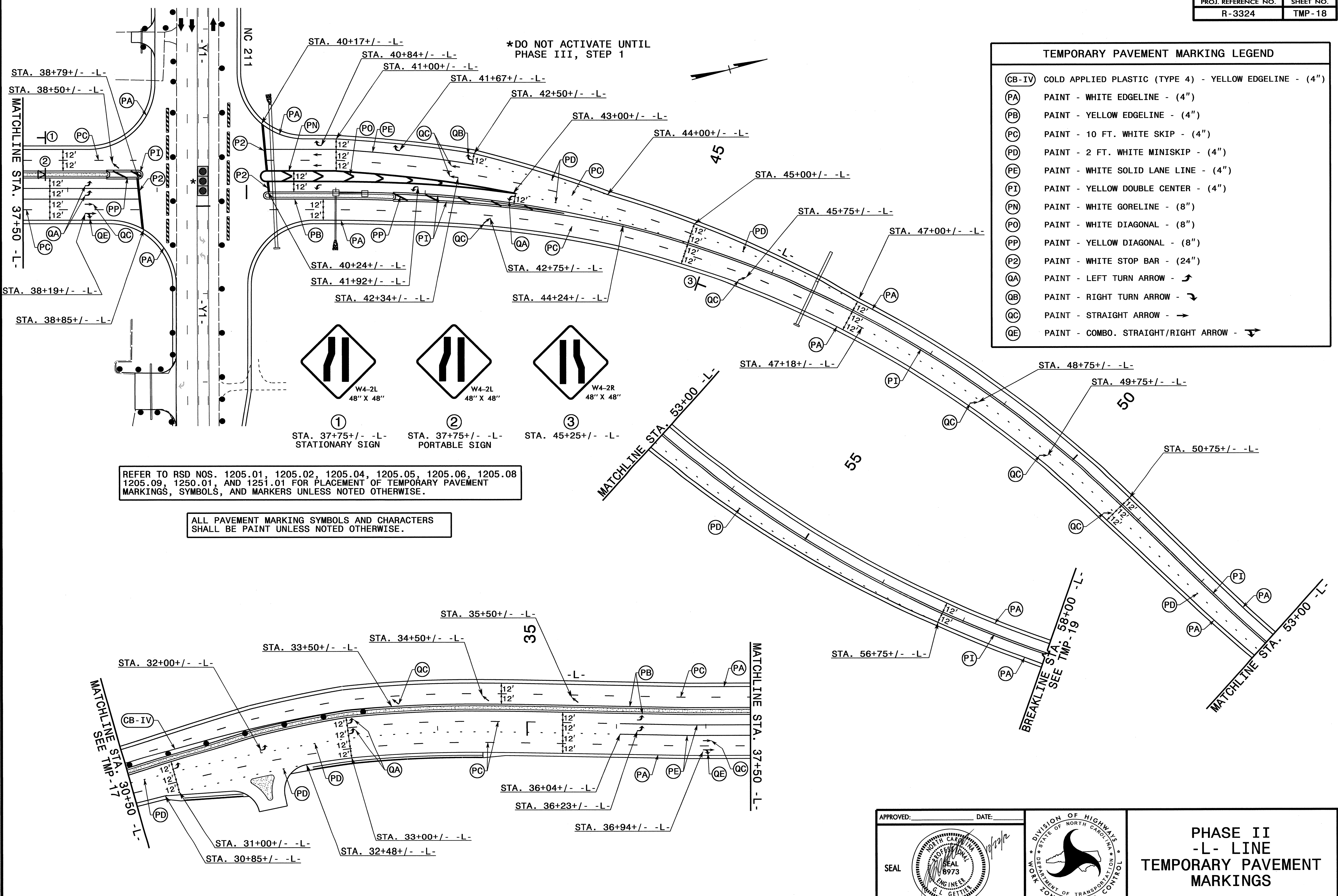
SEAL



**PHASE II  
-L- LINE  
TEMPORARY PAVEMENT  
MARKINGS**

\*DO NOT ACTIVATE UNTIL  
PHASE III, STEP 1

TEMPORARY PAVEMENT MARKING LEGEND	
(CB-IV)	COLD APPLIED PLASTIC (TYPE 4) - YELLOW EDGELINE - (4")
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PN)	PAINT - WHITE GORELINE - (8")
(PO)	PAINT - WHITE DIAGONAL - (8")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW - ↶
(QB)	PAINT - RIGHT TURN ARROW - ↷
(QC)	PAINT - STRAIGHT ARROW - →
(QE)	PAINT - COMBO. STRAIGHT/RIGHT ARROW - ↷



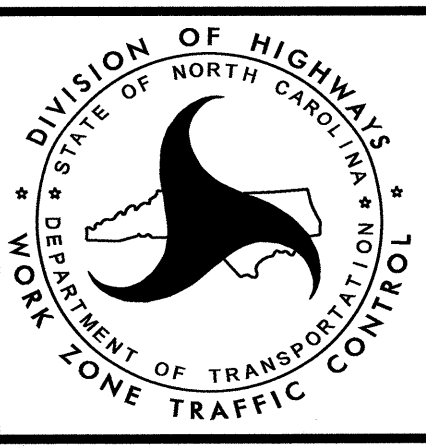
REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

19-OCT-2012 09:38  
 C:\GIS\Projects\TrafficControl\TCP\TMP\R3324\_TC.ph2.tmp18.dgn  
 SOOTS AT 12:58:56

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

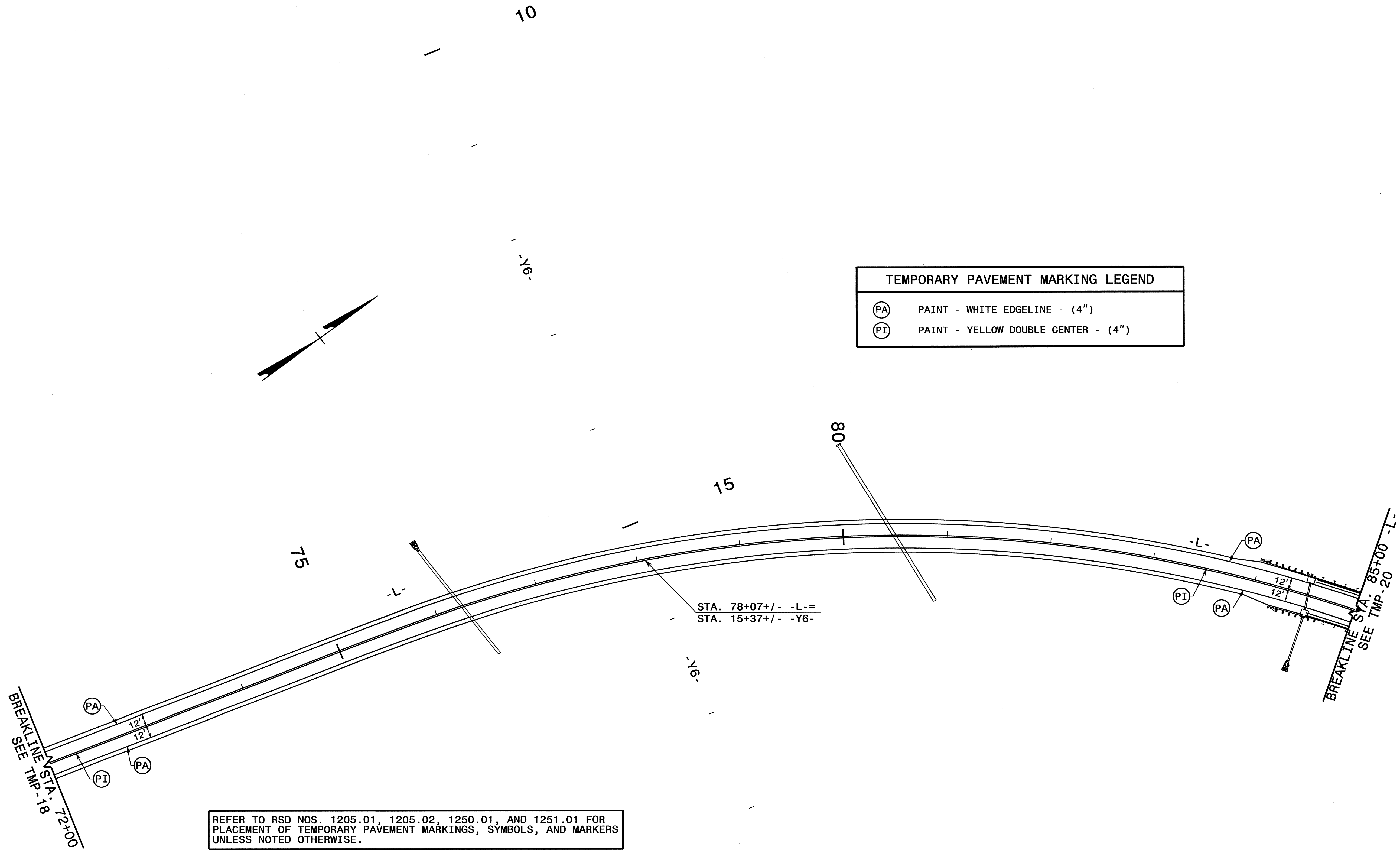
SEAL



**PHASE II  
-L- LINE  
TEMPORARY PAVEMENT  
MARKINGS**



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")

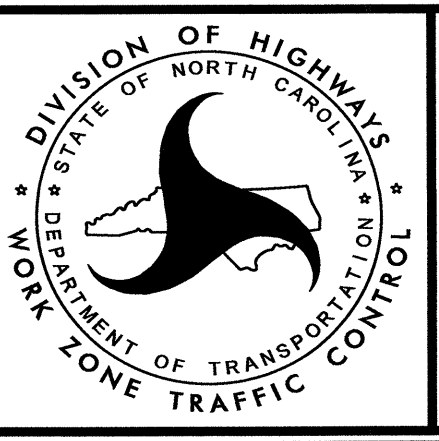


REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

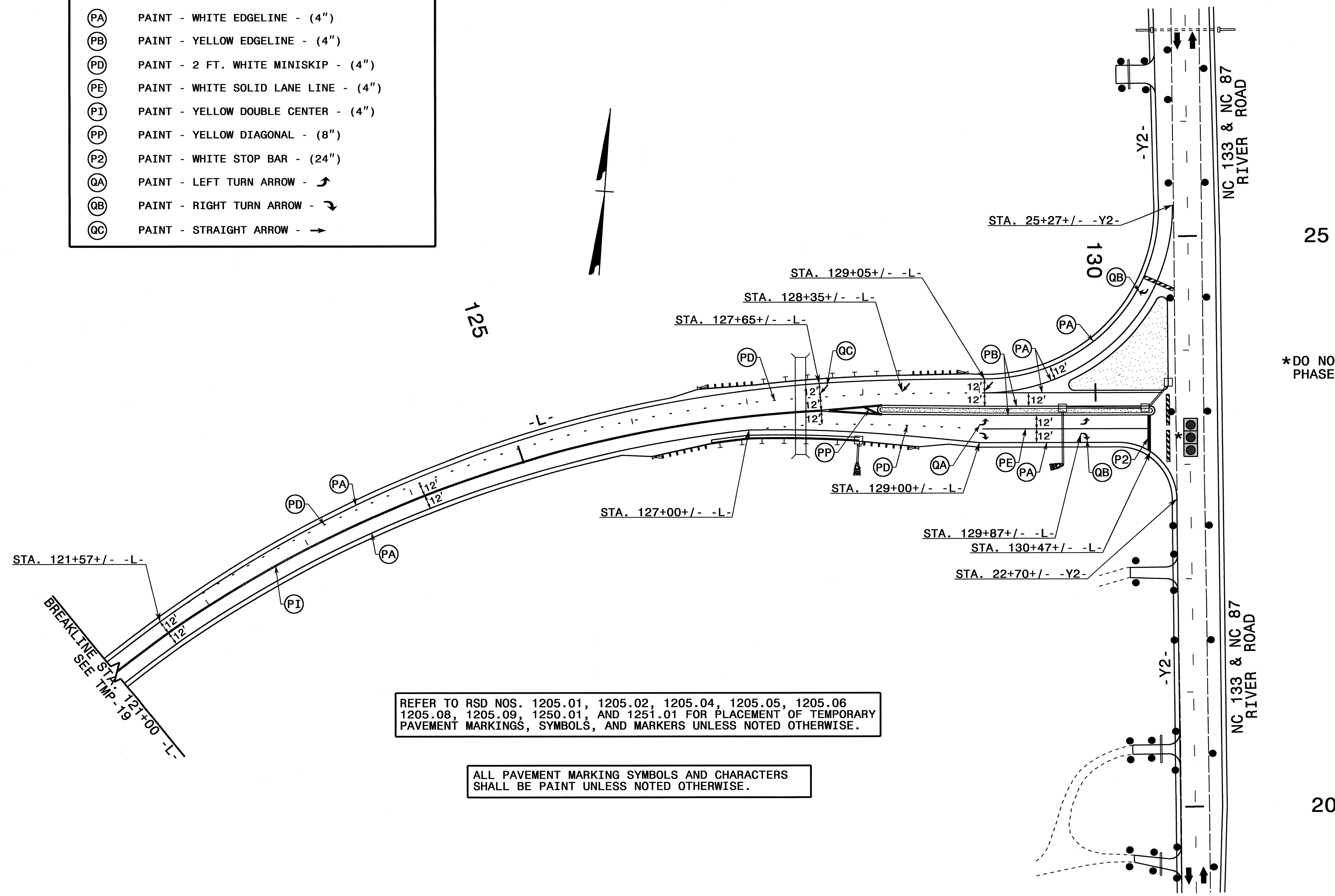
SEAL



PHASE II DETAILS  
 -L- LINE AND  
 -Y6- LINE  
 TEMPORARY PAVEMENT  
 MARKINGS

19-OCT-2012 09:38  
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 scotts AT 1E285846

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(P1)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW - ↵
(QB)	PAINT - RIGHT TURN ARROW - ↷
(QC)	PAINT - STRAIGHT ARROW - →



25

\*DO NOT ACTIVATE UNTIL PHASE III, STEP 1

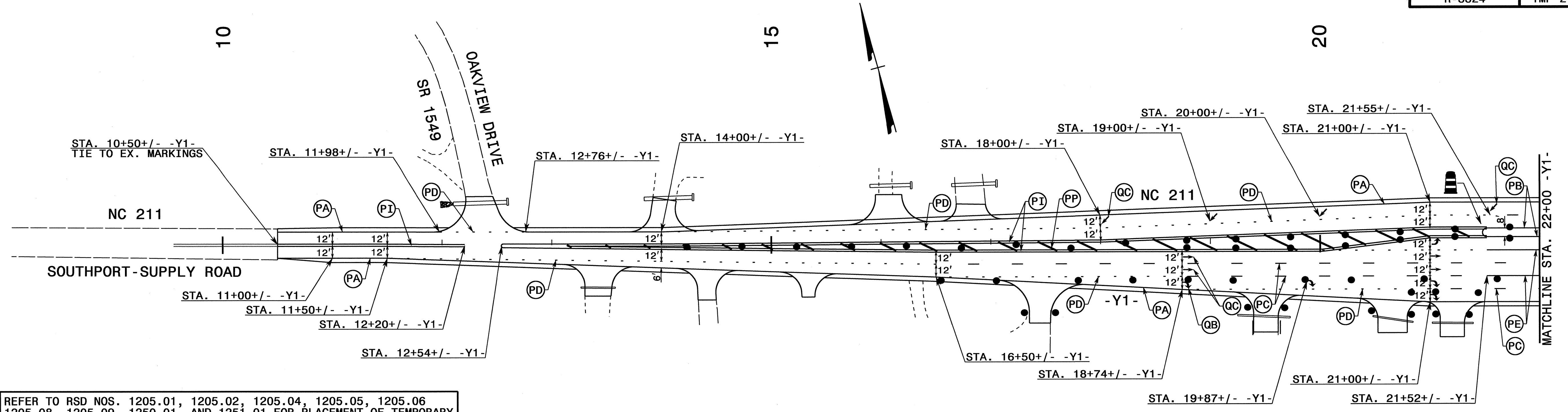
REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

20

19-OCT-2012 09:39  
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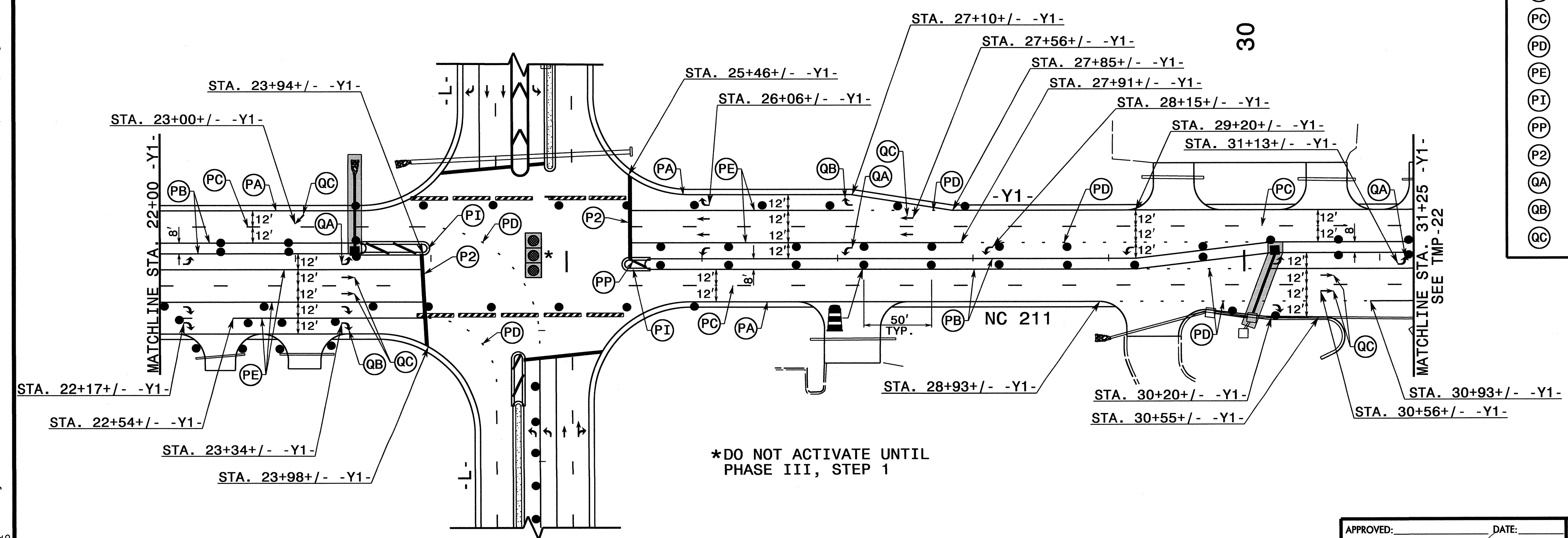
APPROVED: _____	DATE: _____		<p>PHASE II -L- LINE TEMPORARY PAVEMENT MARKINGS</p>



REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

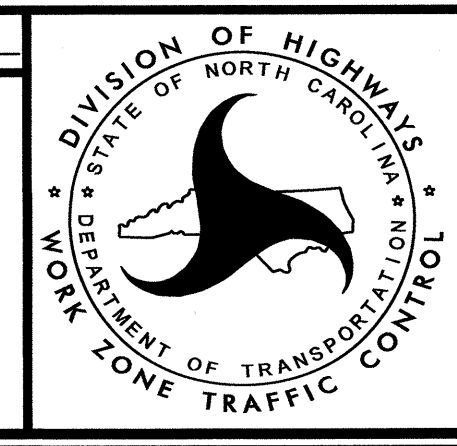
TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW - ↶
(QB)	PAINT - RIGHT TURN ARROW - ↷
(QC)	PAINT - STRAIGHT ARROW - →



\*DO NOT ACTIVATE UNTIL PHASE III, STEP 1

19-OCT-2012 09:40 \\dot\dfs\c01\p-r-0\TIPProjects\R3324\TrafficControl\TCP\TMP\R3324\_TC.ph2.tmp21.dgn  
SCOTT A. TELLSBAG

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

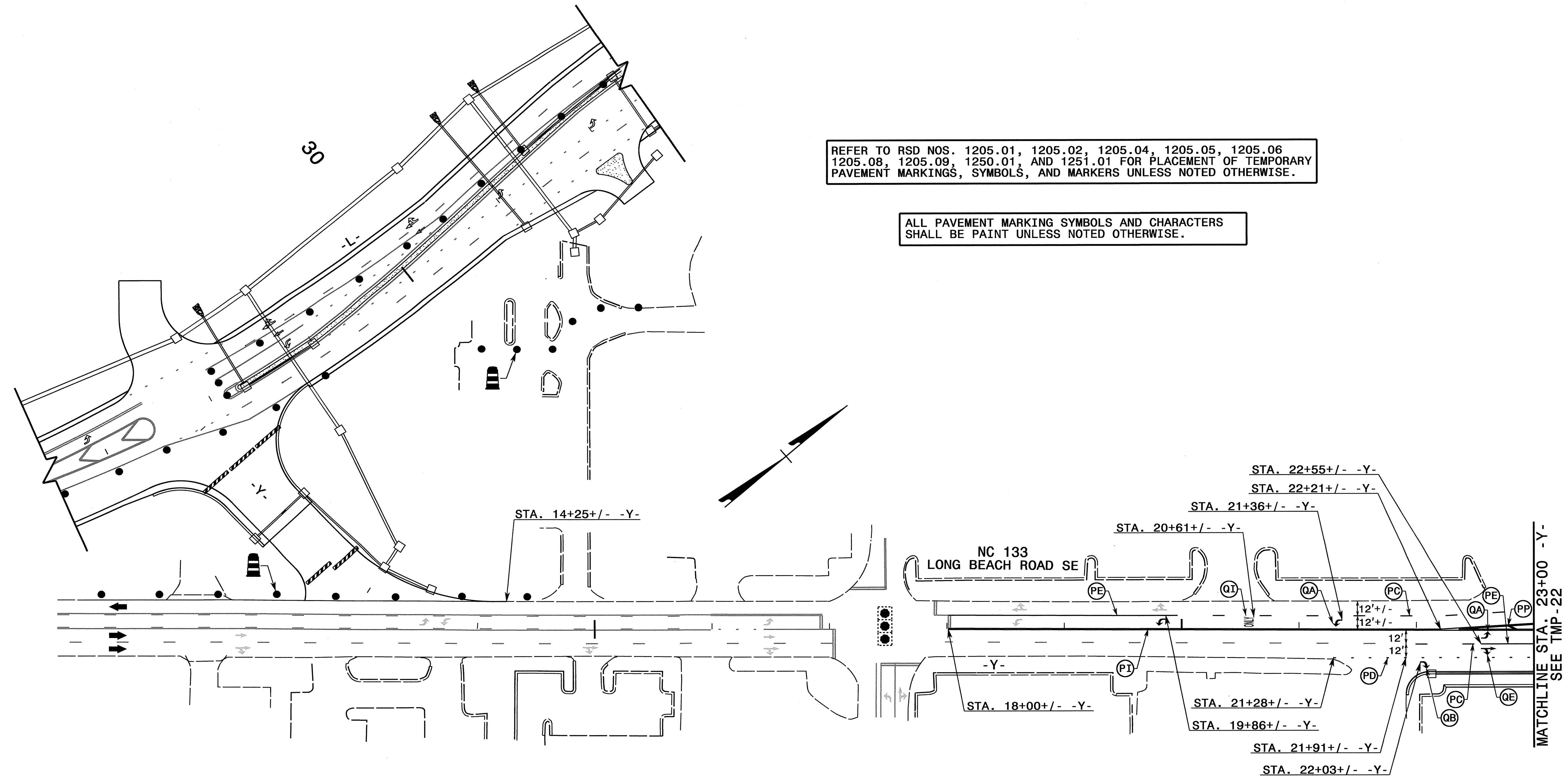


**PHASE II DETAILS**  
-Y1- LINE  
TEMPORARY PAVEMENT  
MARKINGS



REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

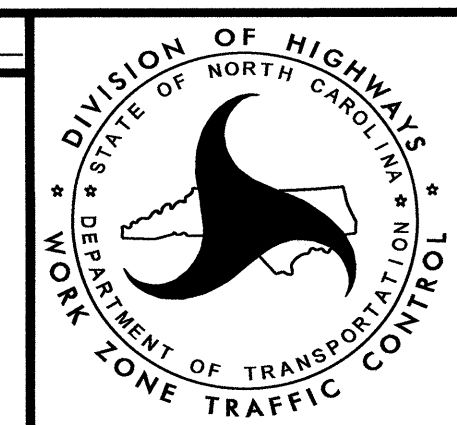
ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.



TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(QA)	PAINT - LEFT TURN ARROW - ↵
(QB)	PAINT - RIGHT TURN ARROW - ↷
(QD)	PAINT - COMBO. STRAIGHT/LEFT ARROW - ↵↷
(QI)	PAINT - ALPHANUMERIC CHARACTER - ONLY

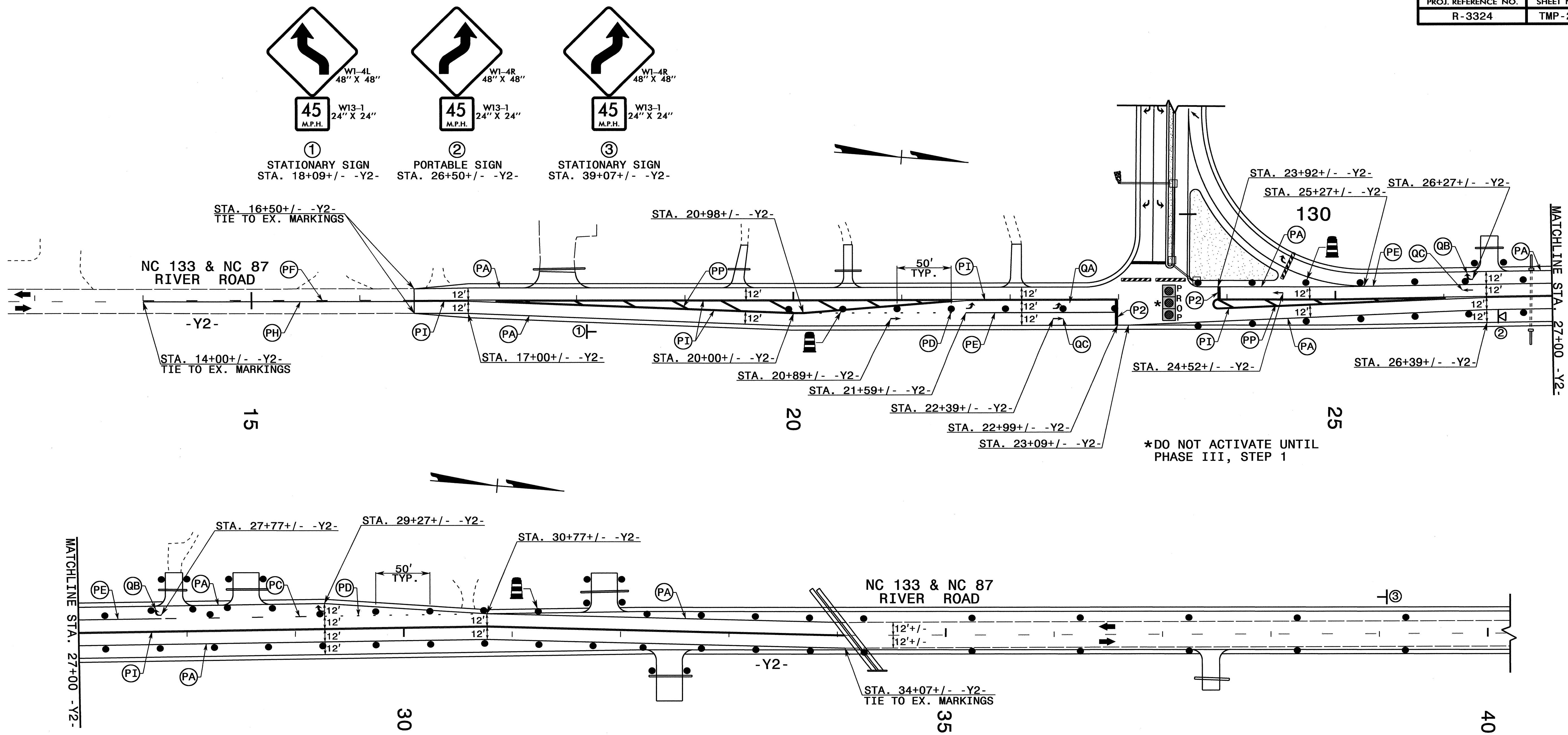
APPROVED: \_\_\_\_\_ DATE: 10/22/10

SEAL



**PHASE II**  
**-Y- LINE**  
**TEMPORARY PAVEMENT**  
**MARKINGS**

19-OCT-2012 09:41  
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 S00015 - AT - 1E265646



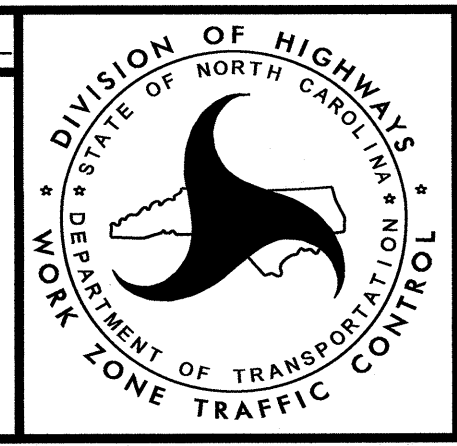
REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PF)	PAINT - 10 FT. YELLOW SKIP - (4")
(PH)	PAINT - YELLOW SINGLE CENTER - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW - ↶
(QB)	PAINT - RIGHT TURN ARROW - ↷
(QC)	PAINT - STRAIGHT ARROW - →

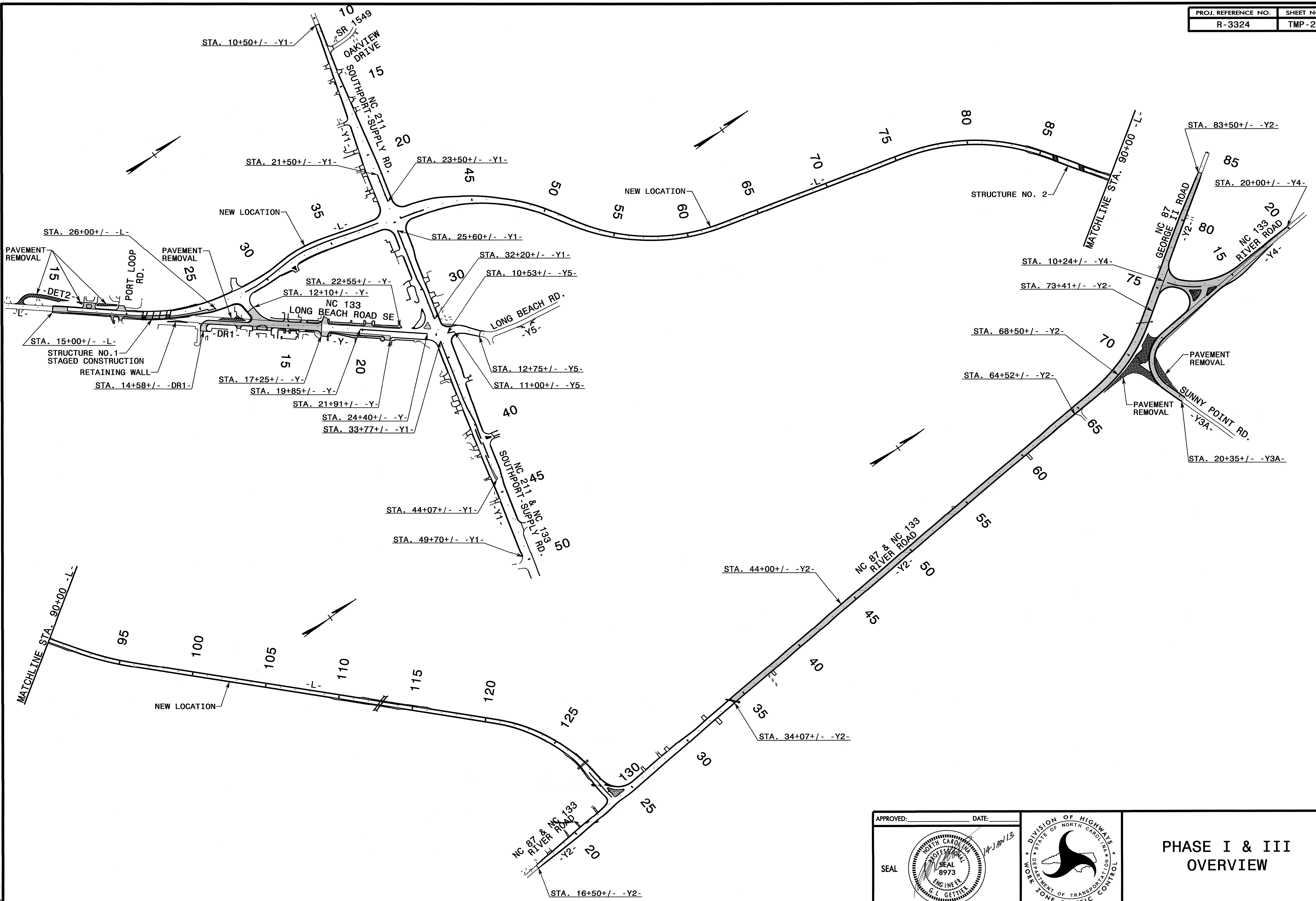
APPROVED: \_\_\_\_\_ DATE: 10/22/12

SEAL



**PHASE II  
-Y2- LINE  
TEMPORARY PAVEMENT  
MARKINGS**

19-OCT-2012 09:41 \\dot\dfs\0010\Proj\TIPProjects\R\3324\TrafficControl\TMP\3324\_Tc\_ph2\_tmp24.dgn

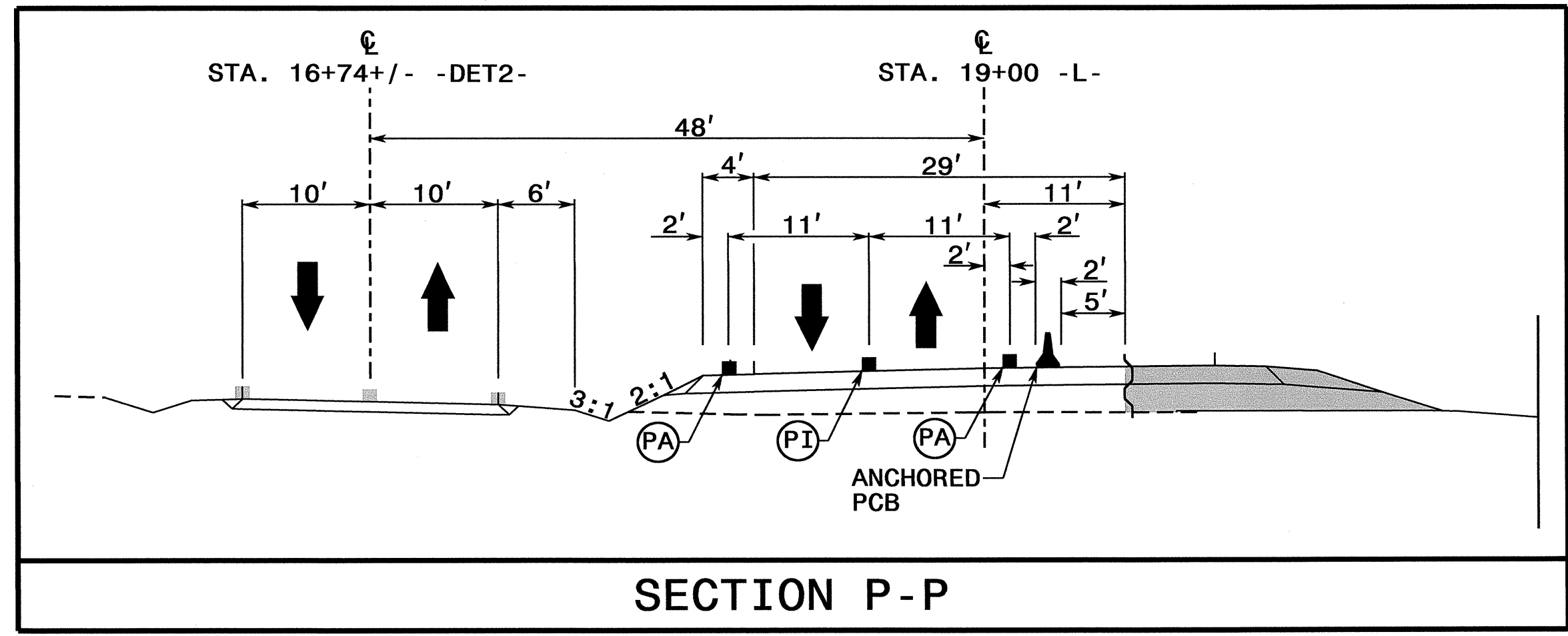
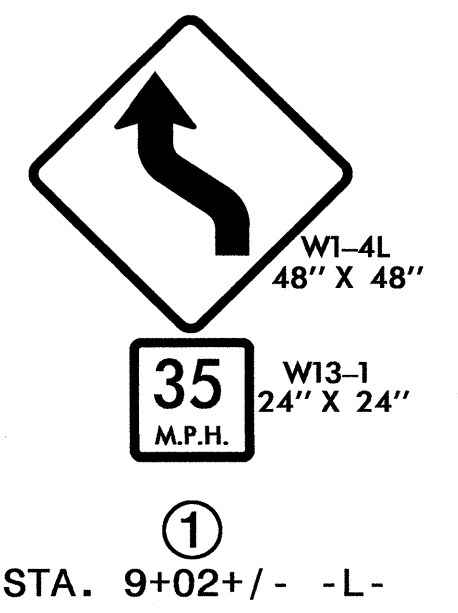
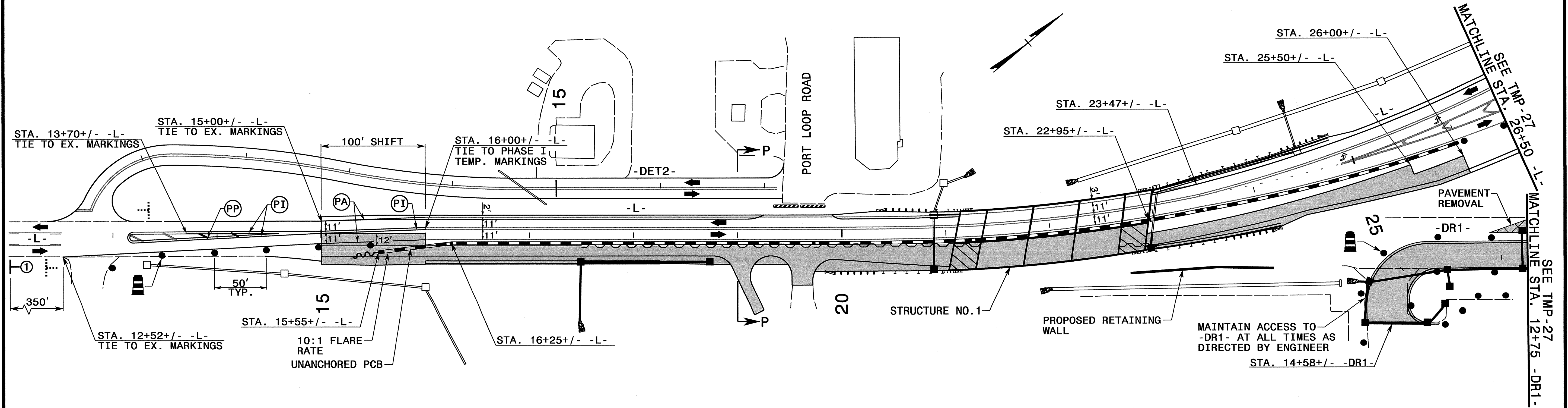


14-JAN-2013 12:34  
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 Sngreen AT 11:28:51

APPROVED:	DATE:		<b>PHASE I &amp; III OVERVIEW</b>

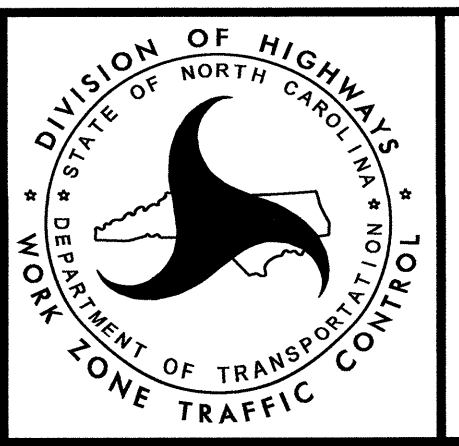
TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")

REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.



SECTION P-P

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

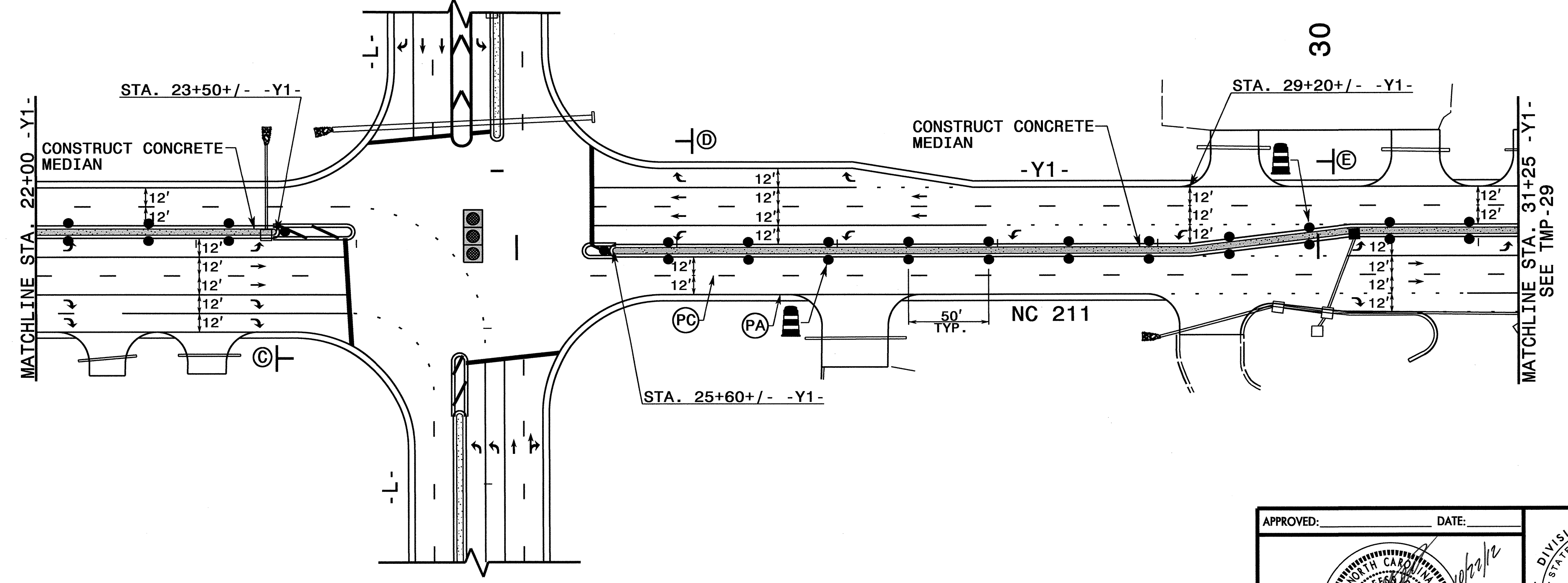
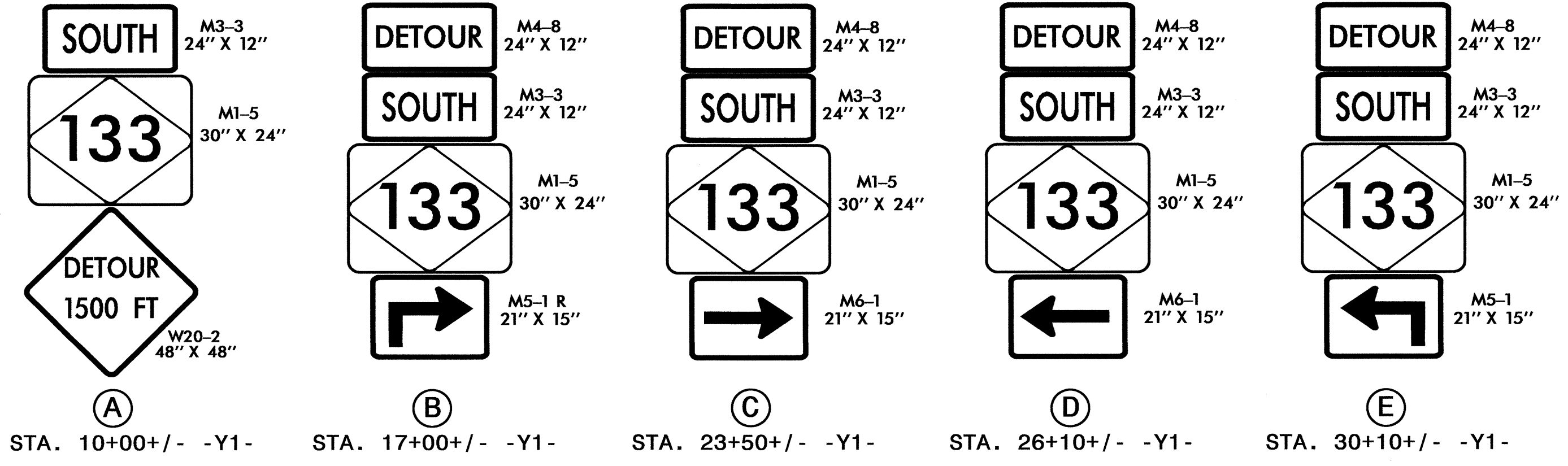
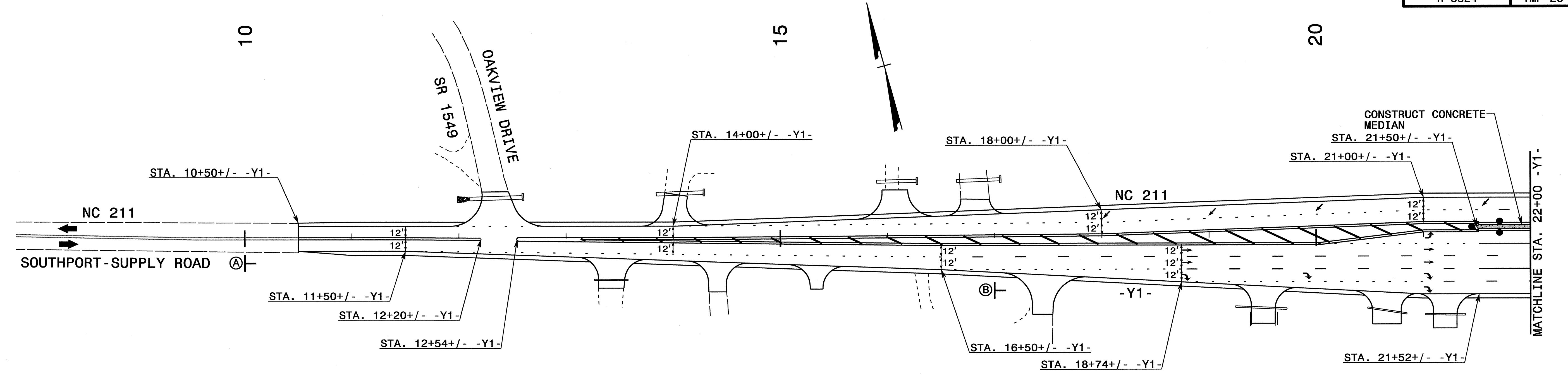


PHASE III DETAILS  
 -L- LINE AND  
 -DR1- LINE

19-OCT-2012 09:49  
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 scotts AT 12265846



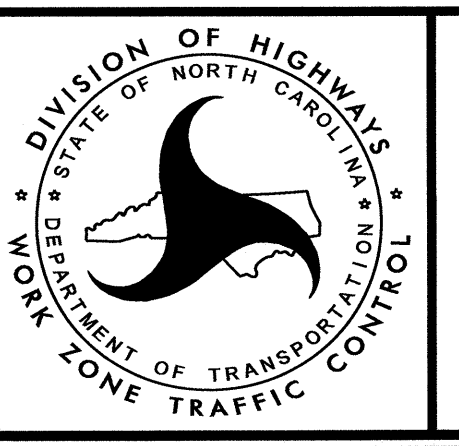




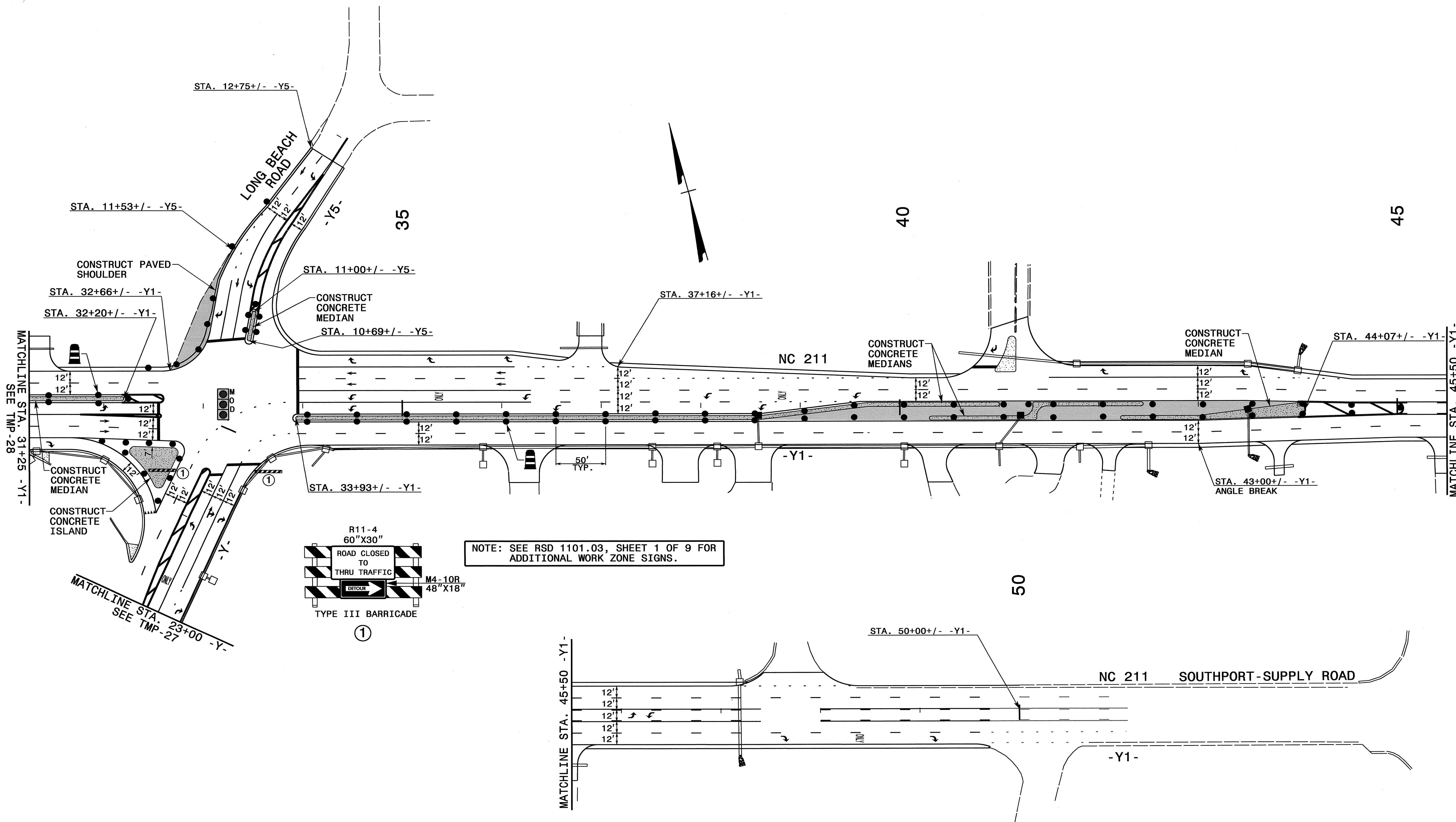
19-OCT-2012 09:50  
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 SCOTS A1 1E26586

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

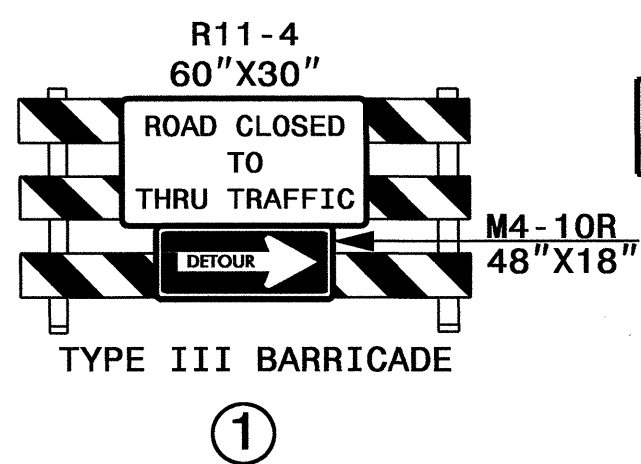
SEAL



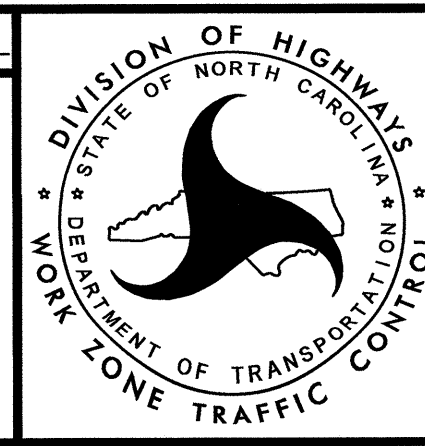
**PHASE III DETAILS**  
-Y1- LINE



NOTE: SEE RSD 1101.03, SHEET 1 OF 9 FOR ADDITIONAL WORK ZONE SIGNS.

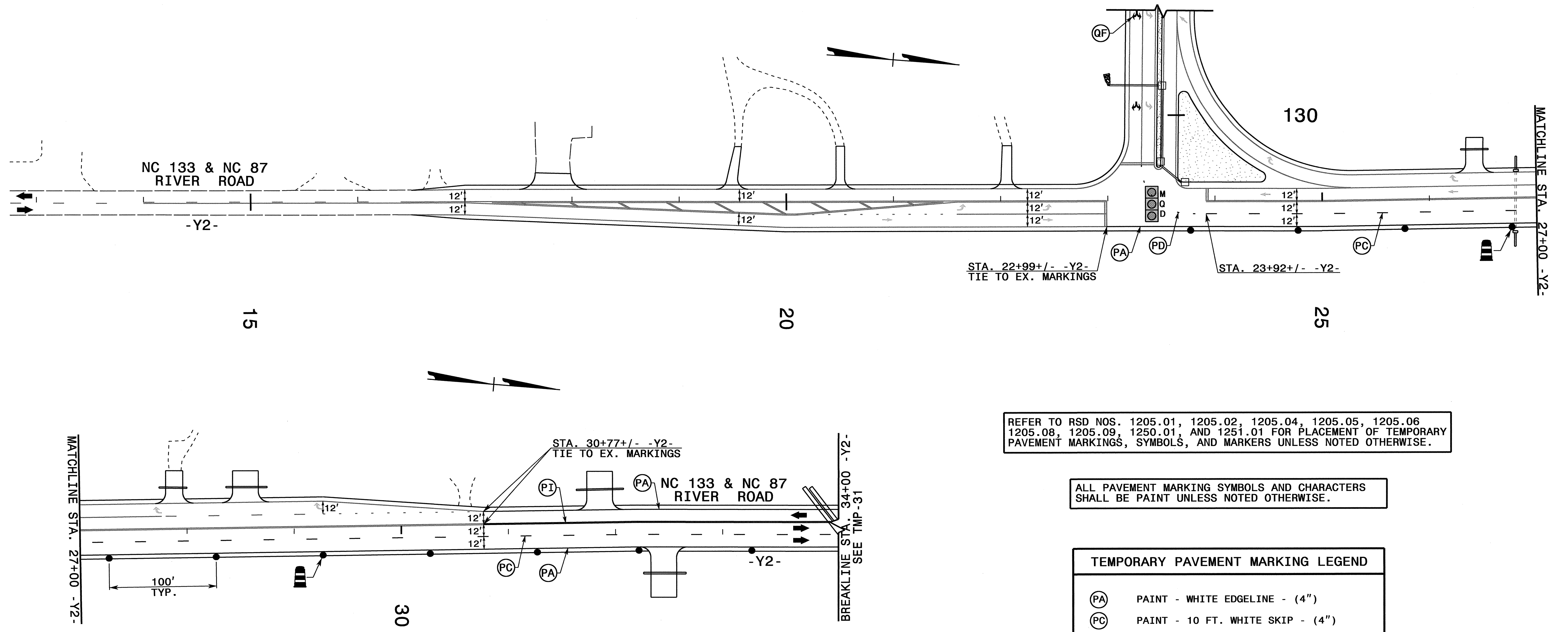


APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_  
 SEAL  
  
 G. L. GETTYS  
 ENGINEER  
 8973



PHASE III DETAILS  
 -Y1- AND -Y5- LINE

19-OCT-2012 09:51  
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 scc:ats AT 12265846



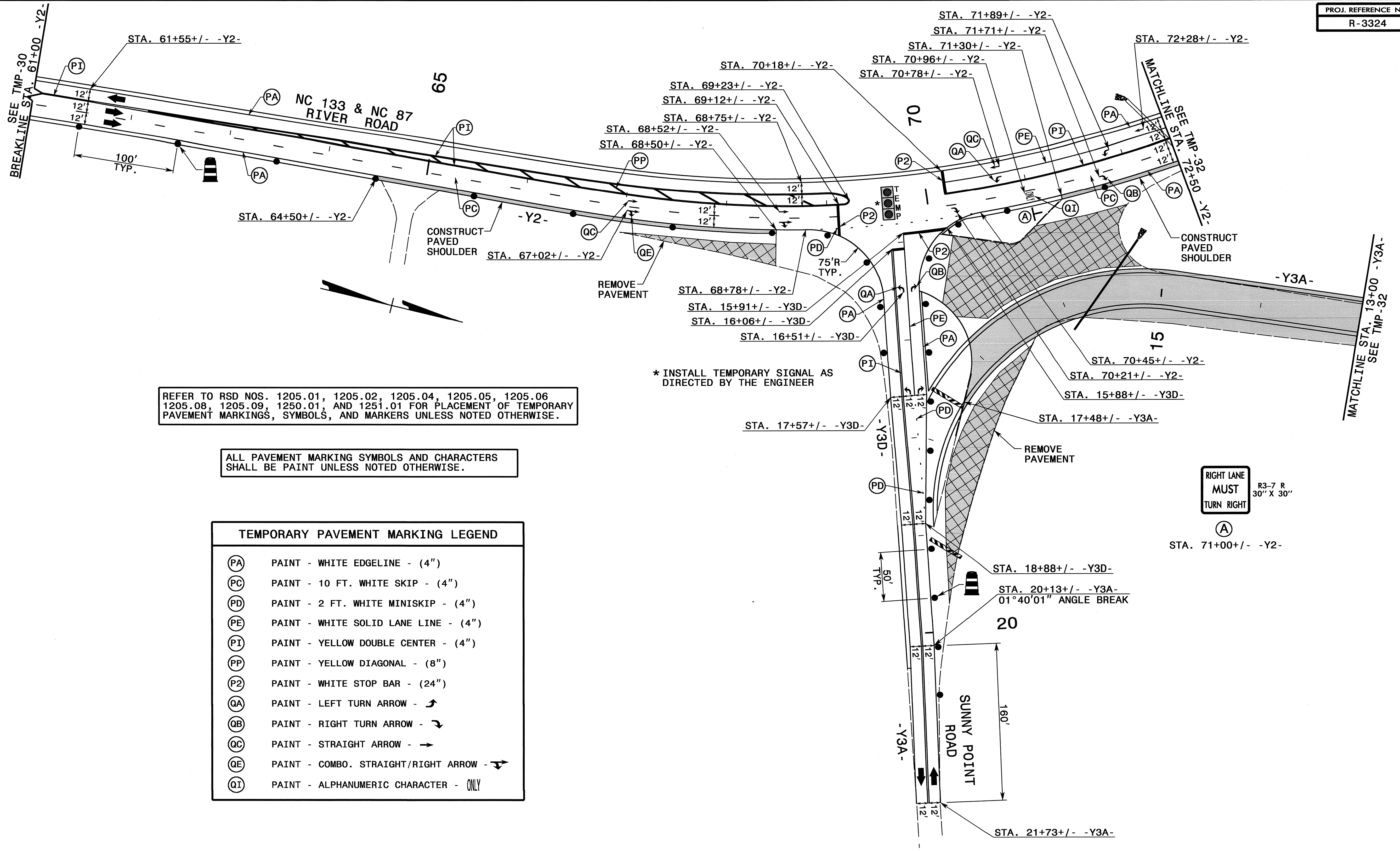
REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(QF)	PAINT - COMBO. LEFT/RIGHT ARROW - ↔

19-OCT-2012 09:51 C:\cvt\cvt\p\proj\TIP\Projects-R\3324\TrafficControl\TMP\R3324\_IC.ph3\_tmp30.dgn scotts AT IE65816

APPROVED: _____ DATE: _____		<p><b>PHASE III -Y2- LINE TEMPORARY PAVEMENT MARKINGS</b></p>



REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW - ↶
(QB)	PAINT - RIGHT TURN ARROW - ↷
(QC)	PAINT - STRAIGHT ARROW - →
(QE)	PAINT - COMBO. STRAIGHT/RIGHT ARROW - ↷
(QI)	PAINT - ALPHANUMERIC CHARACTER - ONLY

RIGHT LANE  
MUST  
TURN RIGHT  
R3-7 R  
30" X 30"

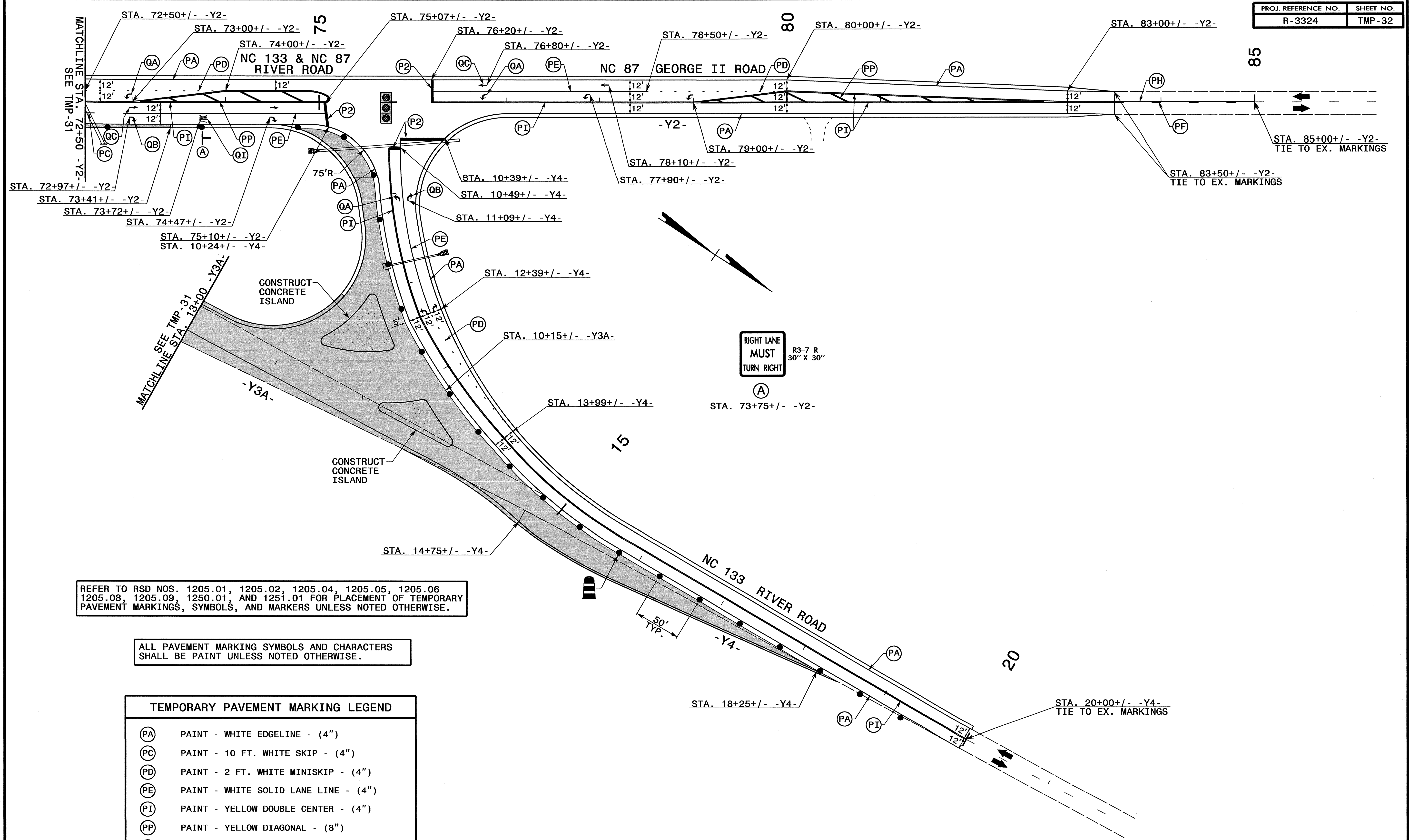
(A)  
STA. 71+00/- -Y2-

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

PHASE I DETAILS  
-Y2- LINE AND  
-Y3D- LINE  
TEMPORARY PAVEMENT  
MARKINGS

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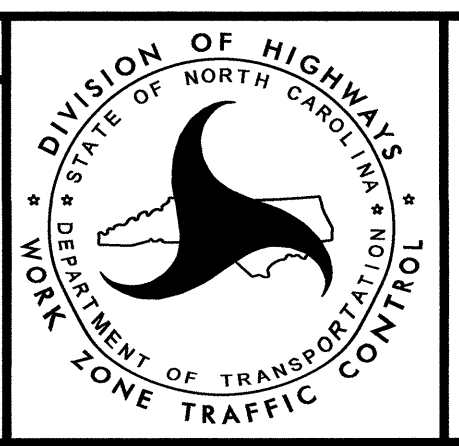
REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW - ↵
(QB)	PAINT - RIGHT TURN ARROW - ↶
(QC)	PAINT - STRAIGHT ARROW - →
(QI)	PAINT - ALPHANUMERIC CHARACTER - ONLY

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

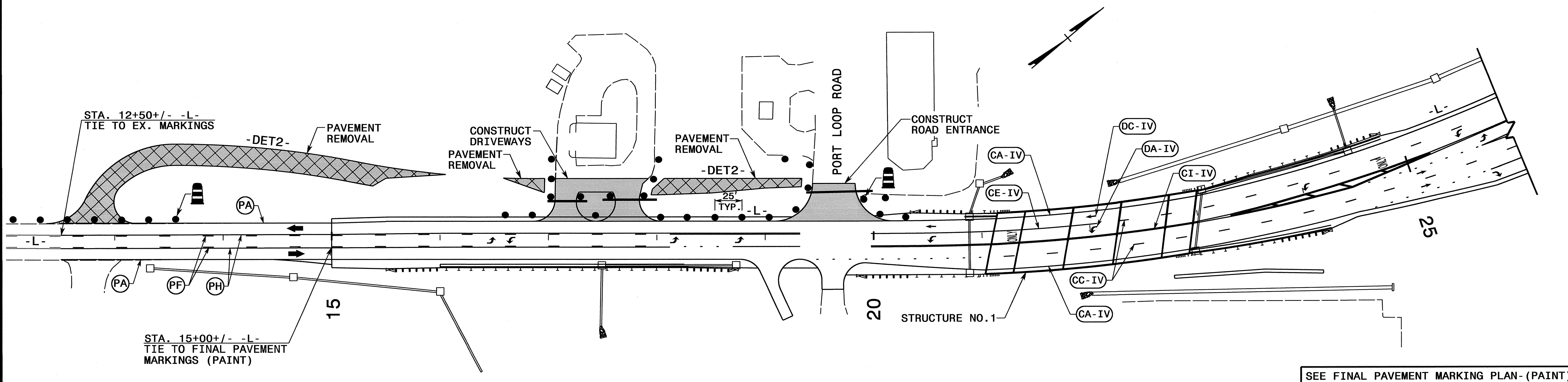
SEAL



**PHASE I DETAILS**  
**-Y2- LINE AND**  
**-Y4- LINE**  
**TEMPORARY PAVEMENT**  
**MARKINGS**

14-JAN-2013 12:35  
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 sngreen AT 12:26:58

19-OCT-2012 09:53  
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 SCOTT AT 1226586



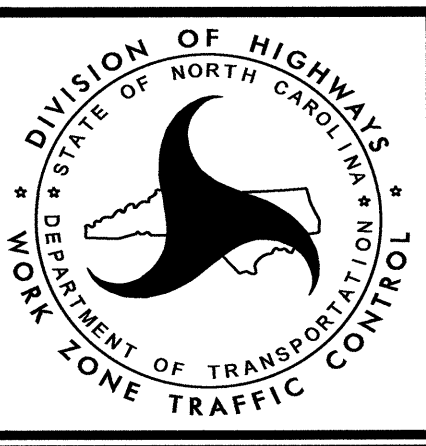
SEE FINAL PAVEMENT MARKING PLAN- (PAINT)

FINAL PAVEMENT MARKING LEGEND	
(CA-IV)	COLD APPLIED PLASTIC (TYPE 4) - WHITE EDGELINE - (4")
(CC-IV)	COLD APPLIED PLASTIC (TYPE 4) - 10 FT. WHITE SKIP - (4")
(CE-IV)	COLD APPLIED PLASTIC (TYPE 4) - WHITE SOLID LANE LINE - (4")
(CI-IV)	COLD APPLIED PLASTIC (TYPE 4) - YELLOW DOUBLE CENTER - (4")
(DA-IV)	COLD APPLIED PLASTIC (TYPE 4) - LEFT TURN ARROW
(DC-IV)	COLD APPLIED PLASTIC (TYPE 4) - STRAIGHT ARROW
(PA)	PAINT - WHITE EDGELINE - (4")
(PF)	PAINT - 10 FT. YELLOW SKIP - (4")
(PH)	PAINT - YELLOW SINGLE CENTER - (4")

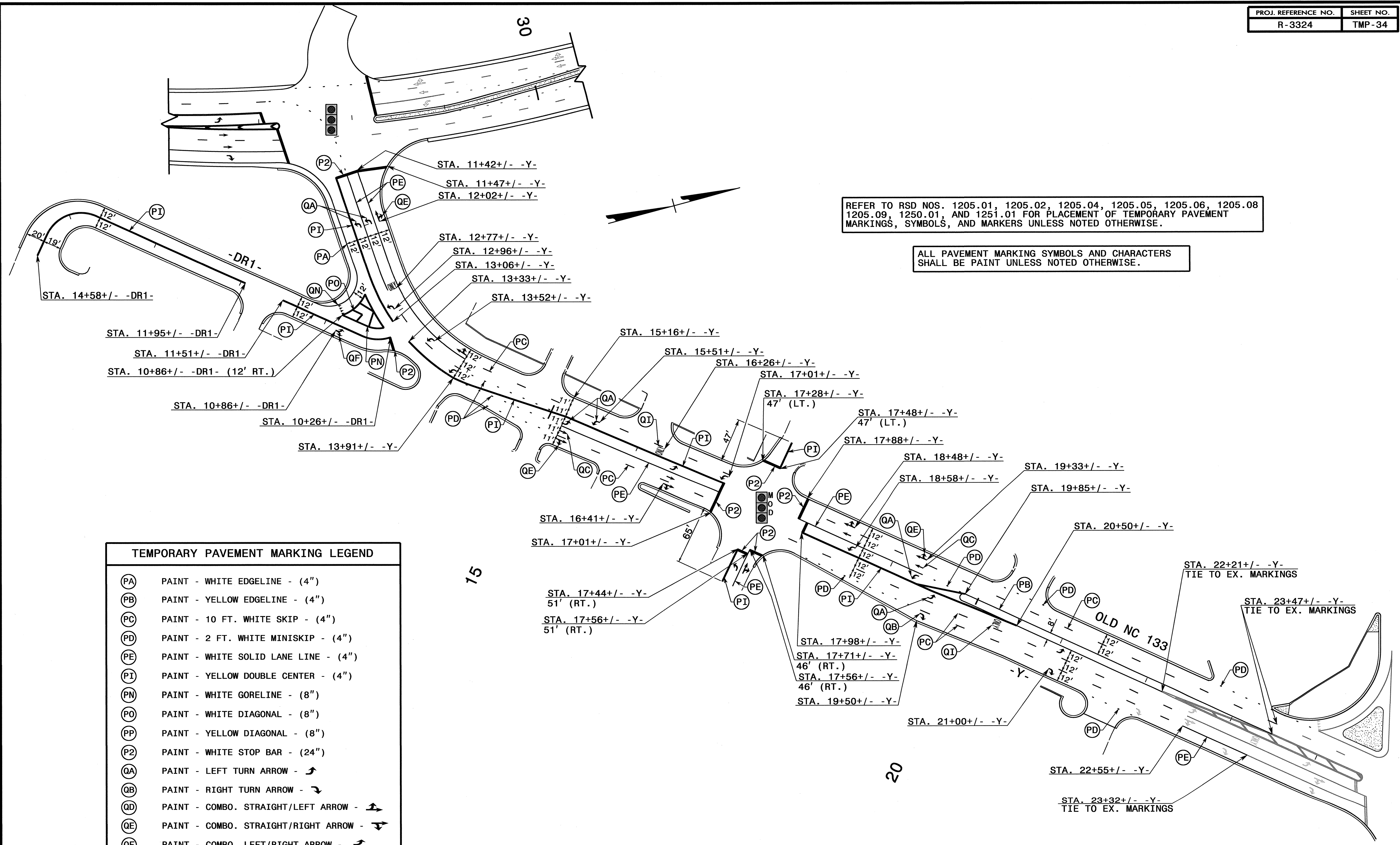
REFER TO RSD NOS. 1205.01, 1205.02, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL



**PHASE III DETAILS**  
 -L- LINE AND  
 -DET2- LINE



REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PC)	PAINT - 10 FT. WHITE SKIP - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(PE)	PAINT - WHITE SOLID LANE LINE - (4")
(PI)	PAINT - YELLOW DOUBLE CENTER - (4")
(PN)	PAINT - WHITE GORELINE - (8")
(PO)	PAINT - WHITE DIAGONAL - (8")
(PP)	PAINT - YELLOW DIAGONAL - (8")
(P2)	PAINT - WHITE STOP BAR - (24")
(QA)	PAINT - LEFT TURN ARROW - ↵
(QB)	PAINT - RIGHT TURN ARROW - ↻
(QD)	PAINT - COMBO. STRAIGHT/LEFT ARROW - ↵↻
(QE)	PAINT - COMBO. STRAIGHT/RIGHT ARROW - ↻↵
(QF)	PAINT - COMBO. LEFT/RIGHT ARROW - ↵↻
(QN)	PAINT - 24" YIELD LINE TRIANGLE - ▲

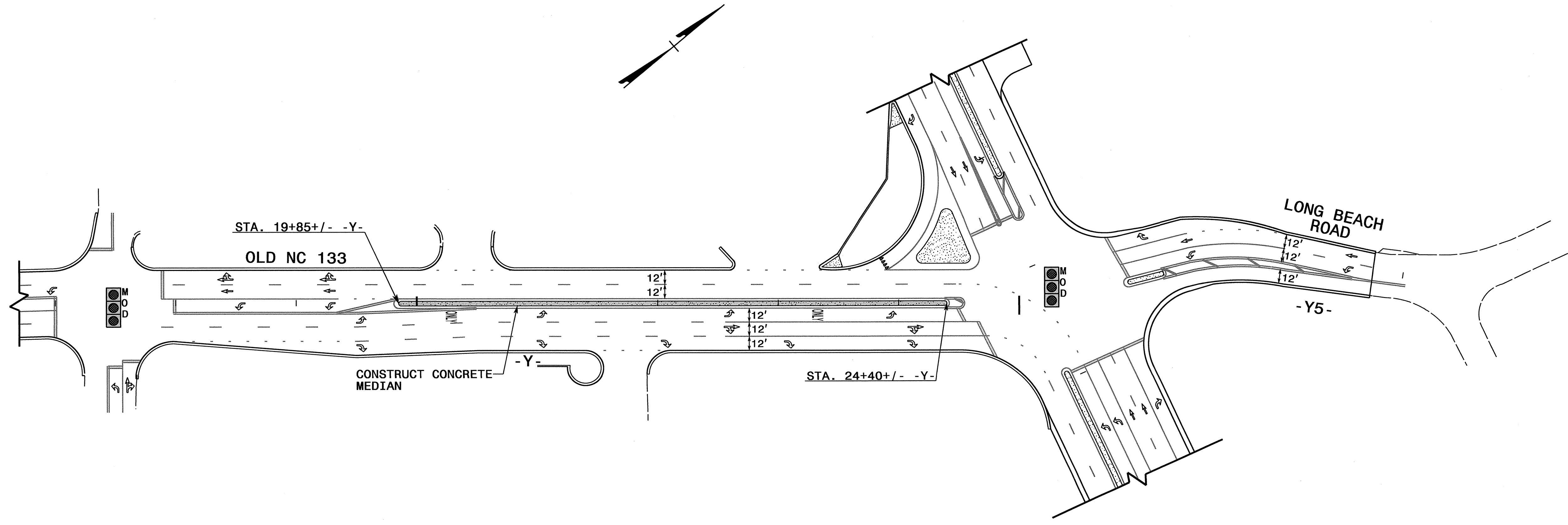
APPROVED: \_\_\_\_\_ DATE: 10/24/12

SEAL

**PHASE III  
-Y- LINE AND  
-DR1- LINE  
TEMPORARY PAVEMENT  
MARKINGS**

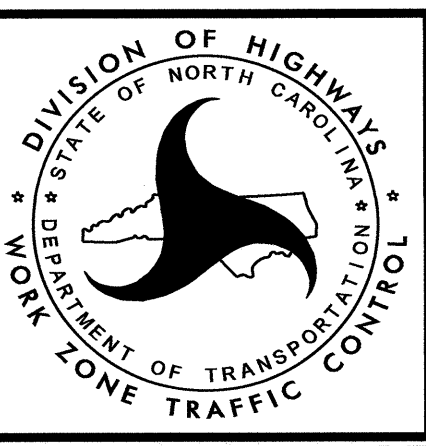
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 \dot\GIS\CO\010\Proj\TIPProjects\R\R3324\TrafficControl\TMP\R3324\_TC.ph3.tmp34.dgn  
 SCOOT AT 12:26:58



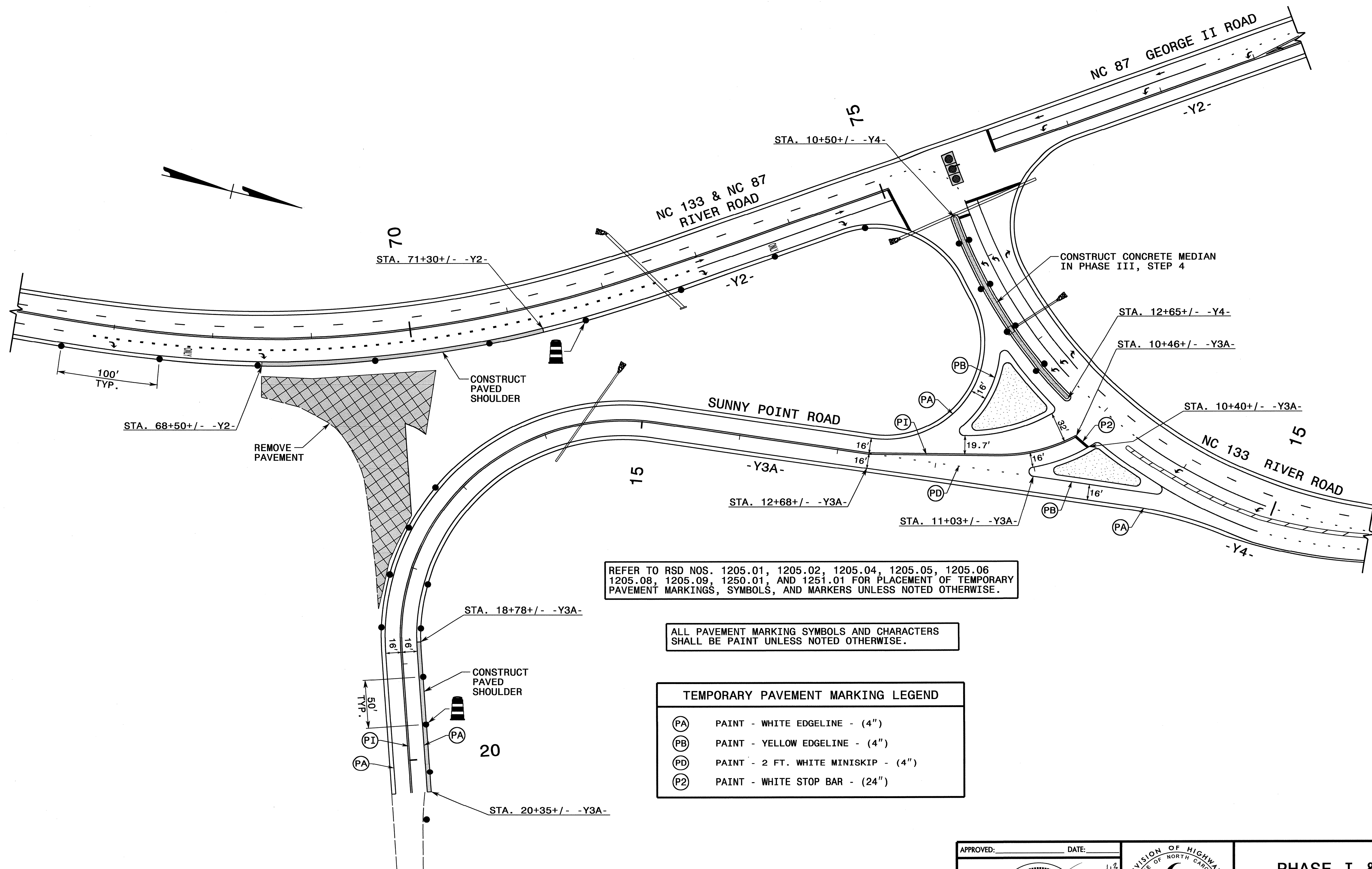


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 SCOOT.S AT 12265836

APPROVED:	DATE:
	10/22/12



**PHASE III DETAILS**  
**-Y- LINE**



REFER TO RSD NOS. 1205.01, 1205.02, 1205.04, 1205.05, 1205.06, 1205.08, 1205.09, 1250.01, AND 1251.01 FOR PLACEMENT OF TEMPORARY PAVEMENT MARKINGS, SYMBOLS, AND MARKERS UNLESS NOTED OTHERWISE.

ALL PAVEMENT MARKING SYMBOLS AND CHARACTERS SHALL BE PAINT UNLESS NOTED OTHERWISE.

TEMPORARY PAVEMENT MARKING LEGEND	
(PA)	PAINT - WHITE EDGELINE - (4")
(PB)	PAINT - YELLOW EDGELINE - (4")
(PD)	PAINT - 2 FT. WHITE MINISKIP - (4")
(P2)	PAINT - WHITE STOP BAR - (24")

APPROVED: \_\_\_\_\_ DATE: \_\_\_\_\_

SEAL

**PHASE I & III  
DETAILS -Y3A- LINE  
TEMPORARY PAVEMENT  
MARKINGS**

I4-JAN-2013 12:26  
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