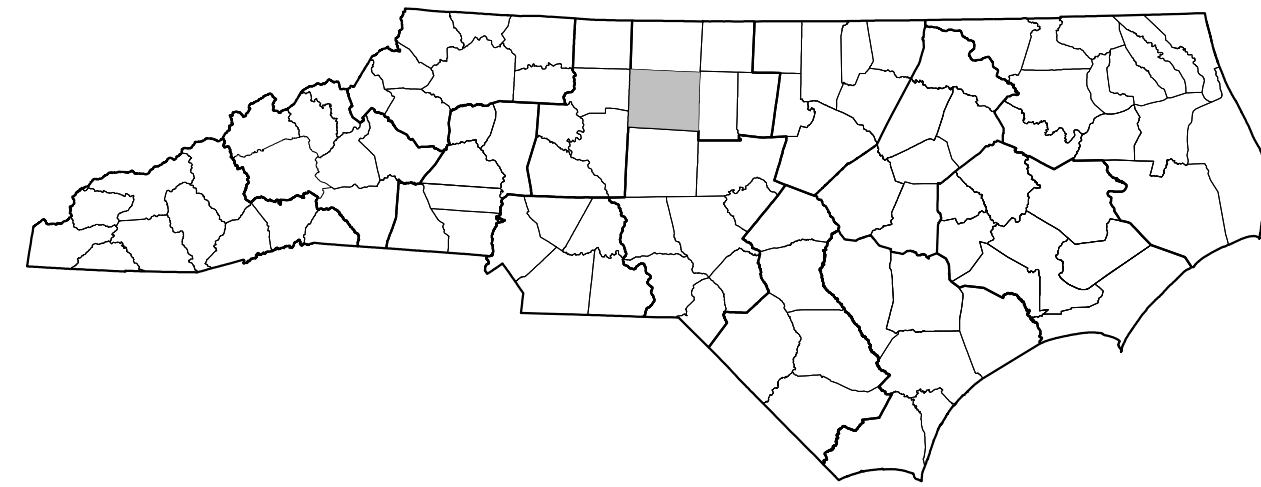


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

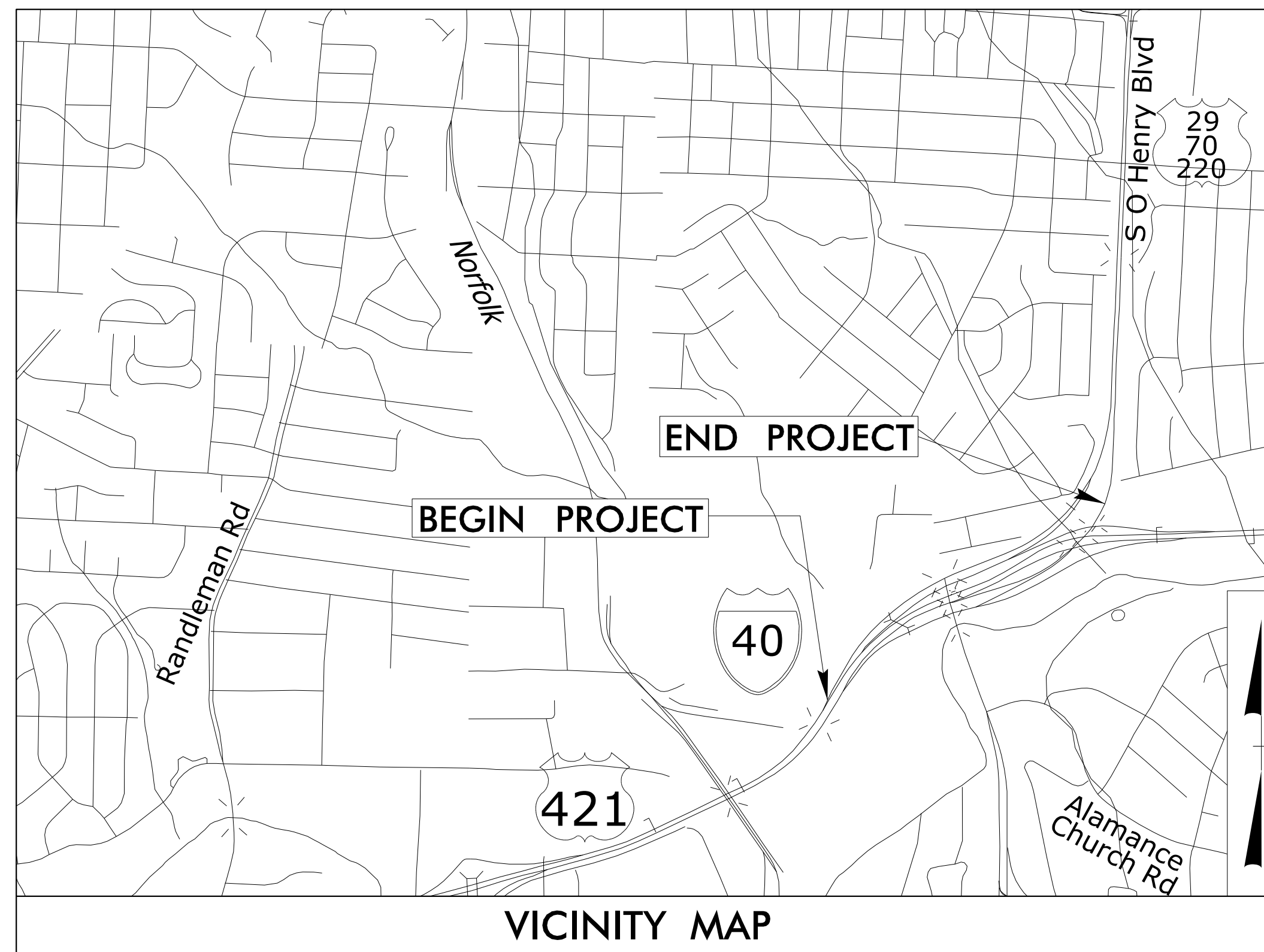
TRANSPORTATION MANAGEMENT PLAN

GUILFORD COUNTY

DIVISION 7



**GREENSBORO - RAMP EXTENSIONS FROM I-40/I-85
TO US 29-70-220**

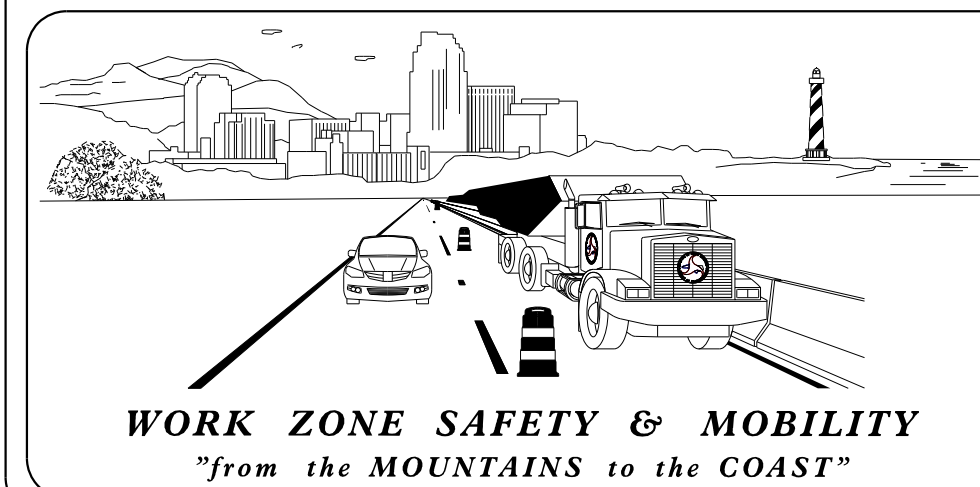


VICINITY MAP

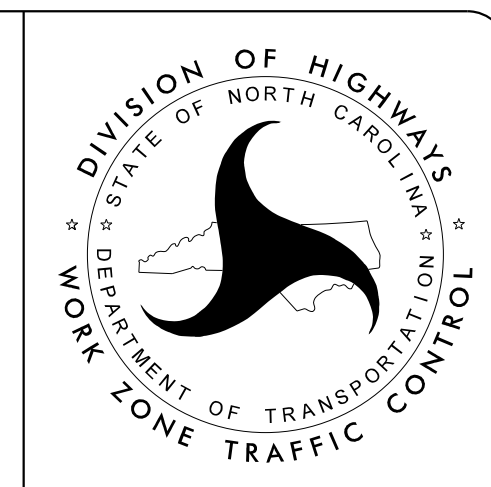
INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE
TMP-2, 2A	GENERAL NOTES
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4-7	I-40/I-85 -Y1-/-Y2- PHASE I
TMP-8-10	I-40/I-85 -Y1-/-Y2- PHASE II
TMP-11	I-40/I-85 -Y1-/-Y2- PHASE II STEP 3
TMP-12	I-40/I-85 DETOUR DETAIL
TMP-13	I-40/I-85 DETOUR

5/9/2019
U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-01-TITLE.dgn
sephillips



N.C.D.O.T. CONTACT: LAURA SUTTON, P.E.



Stantec
Stantec Consulting Services Inc.
801 Jones Franklin Road-Suite 300
Raleigh, NC 27606
Tel. 919.851.6866
Fax. 919.851.7024
www.stantec.com
License No. F-0672

JAY WOOLARD, PE
SENIOR TRANSPORTATION ENGINEER

ANDREW N. GOOD
TRANSPORTATION DESIGNER

DocuSigned by:
J.W. Woolard
Professional Seal
19862
ENGINEER
J.W. WOOLARD, P.E.

5/9/2019

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

TIP PROJECT: U-5754

ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1101.01	WORK ZONE ADVANCE WARNING SIGNS
1101.02	TEMPORARY LANE 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 - DIVIDED AND UNDIVIDED ROADWAYS
1205.03	PAVEMENT MARKINGS - INTERCHANGES
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - THRU LANE DROPS
1205.08	PAVEMENT MARKINGS - SYMOBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - NEW INTERCHANGES AND INTERSECTIONS
1250.01	PAVEMENT MARKER SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY
1253.01	SNOWPLOWABLE RAISED PAVEMENT MARKERS
1261.01	GUARDRAIL AND BARRIER DELINEATOR SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS TYPES
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS
1264.02	PLACEMENT OF OBJECT MARKERS
1266.01	RAISED PAVEMENT MARKERS
1267.01	FLEXIBLE DELINEATORS INSTALLATION
1267.02	FLEXIBLE DELINEATORS SPACING
1267.03	FLEXIBLE DELINEATOR - INTERCHANGES

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
PAINT PAVEMENT MARKING LINES (6")	
(P6)	WHITE EDGELINE
(P7)	YELLOW EDGELINE
(PJ)	10 FT. WHITE SKIP
(PK)	3 FT. - 9 FT./SP WHITE MINISKIP
(PL)	WHITE SOLID LANE LINE
PAINT PAVEMENT MARKING LINES (12")	
(PS)	WHITE GORELINE

LEGEND

GENERAL

	DIRECTION OF TRAFFIC FLOW
	EXIST. PVMT.
	PROPOSED PVMT.
	NORTH ARROW
	TEMP. SHORING (LOCATION PURPOSES ONLY)
	WORK AREA
	PREVIOUSLY STARTED / CONCURRENT CONSTRUCTION
	PAVEMENT REMOVAL
	TEMPORARY PAVEMENT
	TEMPORARY PAVEMENT ASPHALT PAD
	TEMPORARY PAVEMENT BREAKDOWN LANE

PAVEMENT MARKINGS

TEMPORARY MARKINGS	EXISTING LINES	PREVIOUSLY PLACED
		WHITE EDGE LINE
		YELLOW EDGE LINE
		BROKEN LANE LINES
		MINISKIP LANE LINES
		DOUBLE YELLOW LINES
		GORELINE
		STOP BAR

PAVEMENT MARKING SYMBOLS

	EXISTING PAVEMENT MARKING SYMBOLS (HOLLOW)
	TEMPORARY SYMBOLS
	PREVIOUSLY PLACED
	ONLY
	ONLY
	PAVEMENT MARKING SYMBOLS
	ONLY
	PAVEMENT MARKING ALPHANUMERIC CHARACTERS

TRAFFIC CONTROL DEVICES

TEMPORARY DEVICES	PREVIOUSLY PLACED	
		BARRICADE (TYPE III)
		CONE
		DRUM
		FLASHING ARROW BOARD
		FLAGGER
		LAW ENFORCEMENT
		TRUCK MOUNTED ATTENUATOR (TMA)
		CHANGEABLE MESSAGE SIGN
		TEMPORARY CRASH CUSHION
		TEMPORARY CRASH CUSHION RESET
		PORTABLE CONCRETE BARRIER
		PORTABLE CONCRETE BARRIER (RESET)
		ANCHORED CONCRETE BARRIER
		ANCHORED CONCRETE BARRIER (RESET)

SIGNALS

	EXISTING		PROPOSED		TEMPORARY
--	----------	--	----------	--	-----------

TEMPORARY SIGNING

TEMPORARY SIGNS	PREVIOUSLY PLACED	
		PORTABLE SIGN
		STATIONARY SIGN
		STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

	CRYSTAL/CRYSTAL
	CRYSTAL/RED
	YELLOW/YELLOW

5/9/2019 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-OIA-RDWAYSTDSDLEGEND.dgn sepillips

Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. 919.851.6866
Fax. 919.851.7024
www.stantec.com
License No. F-0672

5/9/2019

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

ROADWAY STANDARD DRAWINGS, LEGEND, AND TEMPORARY PAVEMENT MARKING SCHEDULE

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
ANY ROADS	6:00 A.M.-8:00 P.M. MONDAY THRU FRIDAY

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

ROAD NAME
ALL ROADS

HOLIDAY

- 1) FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2) FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31ST TO 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 P.M. THE FOLLOWING TUESDAY.
- 3) FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.
- 4) FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
- 5) FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 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 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- 6) FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
- 7) FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.
- 8) FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE
- 9) FOR THE WYNDAM GOLF TOURNAMENT BETWEEN THE HOURS OF 6:00AM THE FRIDAY BEFORE THE WEEK OF THE TOURNAMENT AND 8:00 P.M. THE FOLLOWING MONDAY AFTER THE WEEK OF THE TOURNAMENT.
- 10) FOR A&T HOMECOMING BETWEEN THE HOURS OF 6:00 AM THE SATURDAY BEFORE THE WEEK OF A&T HOMECOMING AND 8:00 P.M. THE FOLLOWING MONDAY AFTER THE WEEK OF A&T HOMECOMING.

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
US-29 NB RAMP	MONDAYAT 6:00AM TO FRIDAYAT 10:00PM

LANE AND SHOULDER CLOSURE REQUIREMENTS

- D) 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.
- E) 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.
- F) 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.

- G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRANSPORTATION MANAGEMENT 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.
- H) 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.

TRAFFIC PATTERN ALTERATIONS

- I) NOTIFY THE ENGINEER THIRTY (30) CALENDAR DAYS PRIOR TO ANY TRAFFIC PATTERN ALTERATION.

SIGNING

- J) 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.
- K) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC BARRIER

- L) 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.


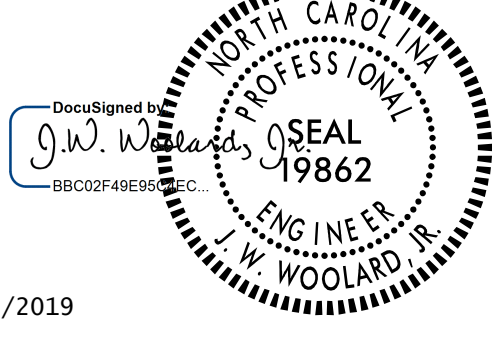
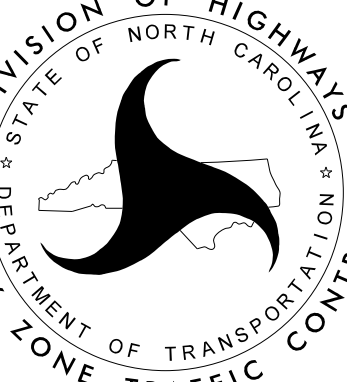
INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

- M) 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 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

5/9/2019 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-5754-TMP-02-GENERALNOTES.dgn sephillips

 <p>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672</p>	<p>5/9/2019</p>  <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p style="text-align: center; font-size: 24pt;">GENERAL NOTES</p>
--	---	---	---

GENERAL NOTES

TRAFFIC CONTROL DEVICES

- N) 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 SECTION 1130 (DRUMS) FOR ADDITIONAL REQUIREMENTS.
- O) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- P) 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

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


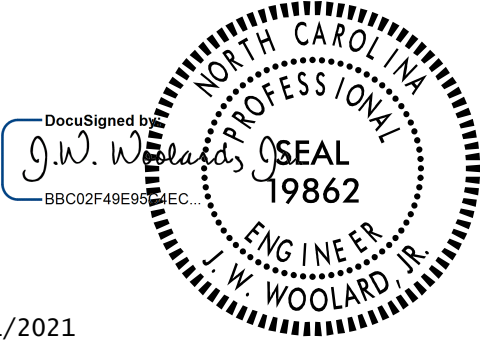
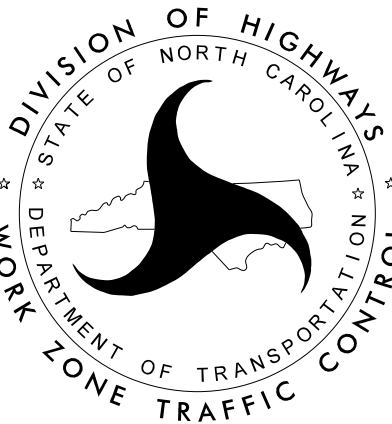
ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

- R) 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.
- S) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- T) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

- U) ALL DIMENSIONS AND STATIONS IN THE TRANSPORTATION MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.
- V) CHANGEABLE MESSAGE SIGN MESSAGES SHOWN ARE EXAMPLES. OTHER MESSAGES MAY BE USED AS CONDITIONS WARRANT. ALL MESSAGES AND LOCATIONS MUST BE APPROVED BY THE ENGINEER PRIOR TO INCORPORATING.
- W) COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.
- X) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 814-3700 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.
- Y) MAINTAIN EXISTING GUARDRAIL UNTIL PROPOSED FILL SLOPES ARE COMPLETED TO THE POINT THAT FIELD CONDITIONS NO LONGER MEET GUARDRAIL WARRANTS AS DIRECTED BY THE ENGINEER.
- Z) MAINTAIN ALL EXISTING SIGNING ON PROJECT (WARNING, REGULATORY AND GUIDE SIGNS). WHERE CONSTRUCTION AFFECTS THE LOCATION OF A SIGN, RELOCATE AS NECESSARY, OR INSTALL REPLACEMENT SUCH THAT THE FUNCTION OF THE SIGN IS MAINTAINED AT ALL TIMES. DURING RELOCATION OF STOP SIGNS PROVIDE FLAGGERS WITH "FLAGGER AHEAD" (W20-7a) AND "BE PREPARED TO STOP" (W3-4) SIGNS AS NECESSARY TO MAINTAIN INTERSECTION TRAFFIC.
- AA) USE LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND OR INTERSECTIONS AS SHOWN IN PLANS OR DIRECTED BY THE ENGINEER.

9/21/2021
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-5754_TMP_02A_GENERALNOTES.dgn
 angood

 <p>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672</p>	<p>DocuSigned by:  9/21/2021</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p style="text-align: center;">GENERAL NOTES</p>
---	--	---	--

PHASING

PROJ. REFERENCE NO.	SHEET NO.
U-5754	TMP-3

PHASE I (TMP-4 TO TMP-7)

NOTE: -Y2- (US-29 NB RAMP) MAY BE CLOSED FROM FRIDAY AT 10:00 P.M. TO MONDAY AT 6:00 A.M. (SEE PROJECT SPECIAL PROVISIONS). PLACE TRAFFIC ON THE OFF-SITE DETOUR AS SHOWN ON TMP-12 & TMP-13. OPEN -Y2- TO TRAFFIC AND REMOVE THE OFF-SITE DETOUR BY MONDAY AT 6:00 A.M.

STEP 1: (NOT SHOWN)

PRIOR TO ANY WORK OPERATIONS, INSTALL WORK ZONE ADVANCE WARNING SIGNS ON -Y1-, -Y1RP-, -Y2-, AND -Y2RP-, PER ROADWAY STANDARD DRAWING 1101.01, SHEETS 1 AND 2 OF 3.

STEP 2: (NOT SHOWN)

USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14, MILL OUT THE EXISTING RUMBLE STRIPS ON THE RIGHT SIDE OF -Y2- AND REPLACE WITH SURFACE COURSE FROM STA. 24+29+/- -Y2- TO STA. 35+00+/- -Y2-.

STEP 3: (TMP-4 TO TMP-7)

USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEETS 3, 9, AND 10 OF 14 PERFORM THE FOLLOWING:

- REMOVE EXISTING MARKINGS AND PLACE TEMPORARY MARKINGS ON -Y1-, -Y1RP-, -Y2-, AND -Y2RP-.
- PLACE PCB ON -Y1-, -Y2-, -Y1RP-, AND -Y2RP-.

STEP 4: (TMP-4 TO TMP-7)

BEHIND PCB, CONSTRUCT THE FOLLOWING:

- WIDENING ON THE RIGHT SIDE OF -Y2- FROM STA. 9+70+/- TO STA. 19+14+/-.
- WIDENING ON THE LEFT SIDE OF -Y2RP- FROM STA. 12+54+/- TO STA. 15+20+/-.
- WIDENING ON THE RIGHT SIDE OF -Y1RP- FROM STA. 10+80+/- TO STA. 18+12+/-.
- WIDENING ON THE RIGHT SIDE OF -Y1- FROM STA. 65+18+/- TO STA. 69+73+/-.
- WIDENING ON THE LEFT SIDE OF -Y2- FROM STA. 24+25+/- TO STA. 36+12+/-.

STEP 5: (NOT SHOWN)

REMOVE PCB PLACED IN PHASE I, STEP 3.

PHASE II (TMP-8 TO TMP-11)

NOTE: -Y2- (US-29 NB RAMP) MAY BE CLOSED FROM FRIDAY AT 10:00 P.M. TO MONDAY AT 6:00 A.M. (SEE PROJECT SPECIAL PROVISIONS). PLACE TRAFFIC ON THE OFF-SITE DETOUR AS SHOWN ON TMP-12 & TMP-13. OPEN -Y2- TO TRAFFIC AND REMOVE THE OFF-SITE DETOUR BY MONDAY AT 6:00 A.M.

STEP 1: (TMP-8 TO TMP-10)

USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3, 9, AND 10 OF 14, PLACE PCB AND TEMPORARY PAVEMENT MARKINGS ON -Y1-, -Y1RP-, -Y2-, AND -Y2RP-.

STEP 2: (TMP-8 TO TMP-10)

BEHIND PCB CONSTRUCT THE FOLLOWING:

- THE LEFT SIDE OF -Y2- FROM STA. 16+55+/- TO STA. 24+25+/-.
- THE RIGHT SIDE OF -Y1RP- FROM STA. 10+36+/- TO STA. 11+36+/-.
- THE RIGHT SIDE OF -Y1- FROM STA. 57+00+/- TO STA. 58+51+/-.
- THE RIGHT SIDE OF -Y2- FROM STA. 27+55+/- TO STA. 38+00+/-.

STEP 3: (TMP-11)

REMOVE ALL PCB PLACED IN PHASE II, STEP 1. USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEET 3 OF 14, PLACE PCB ON -Y2- AS SHOWN ON SHEET TMP-11. BEHIND PCB, CONSTRUCT THE RIGHT SIDE OF -Y2- FROM STA. 24+25+/- TO STA. 27+55+/-.


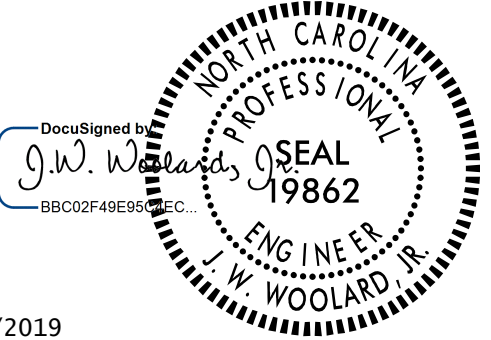
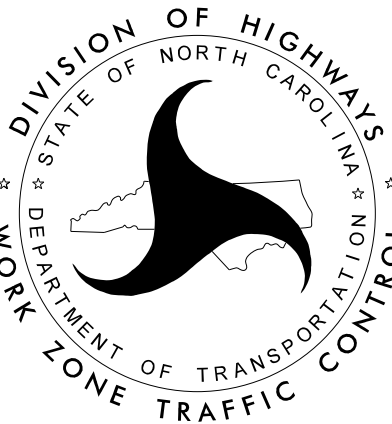
STEP 4: (NOT SHOWN)

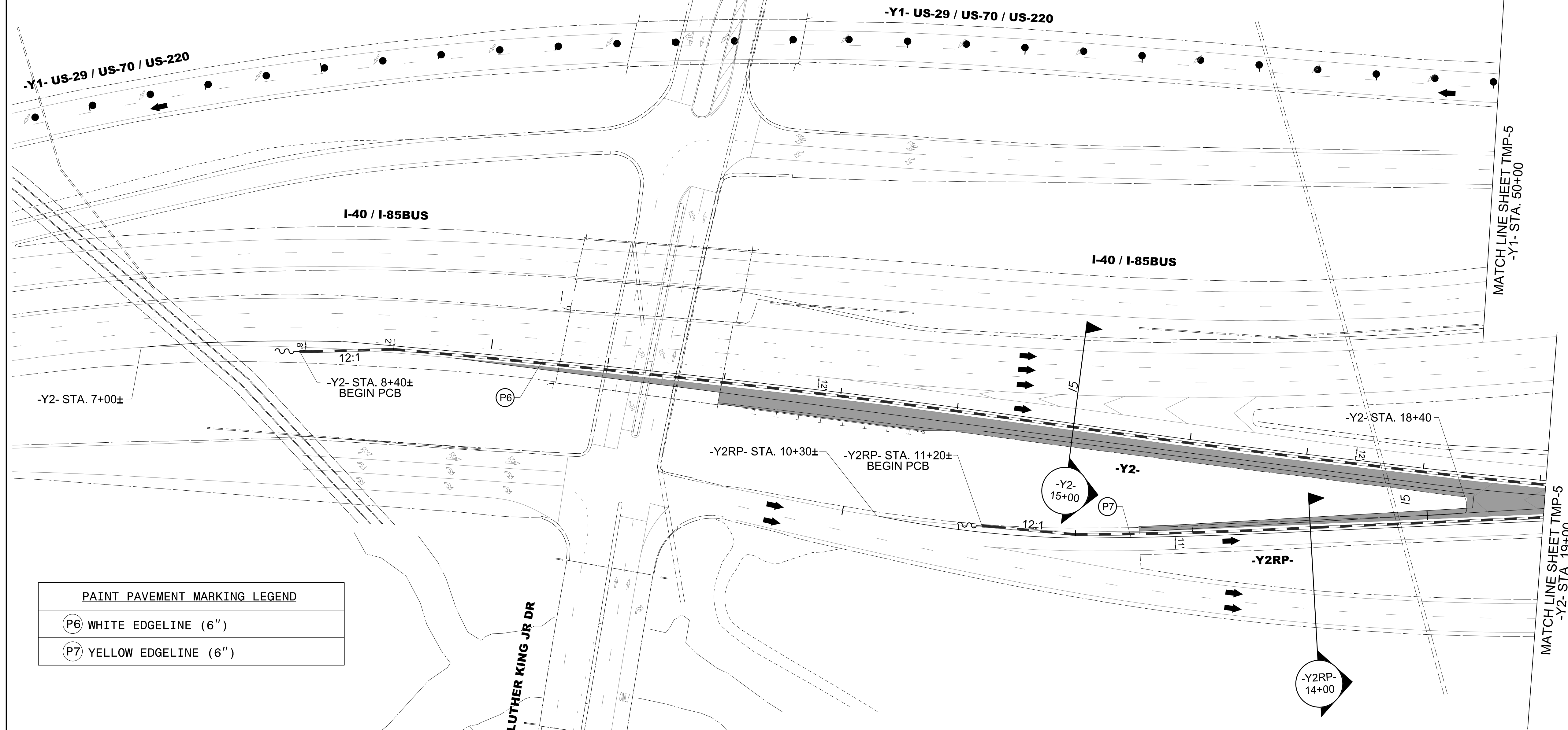
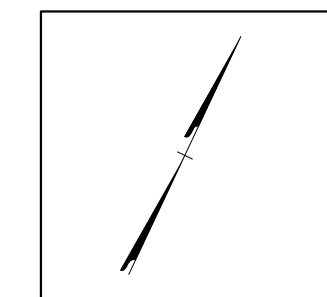
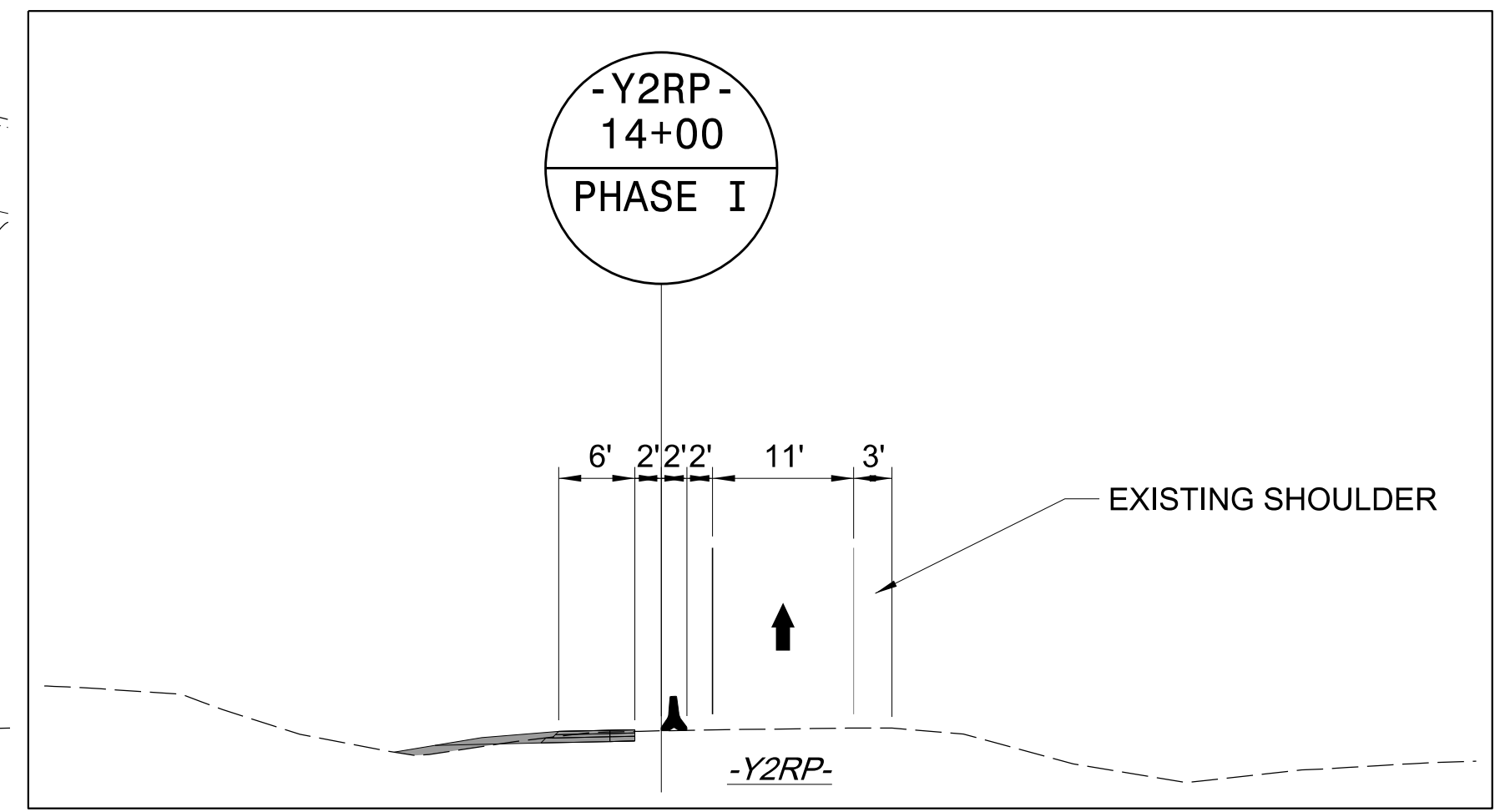
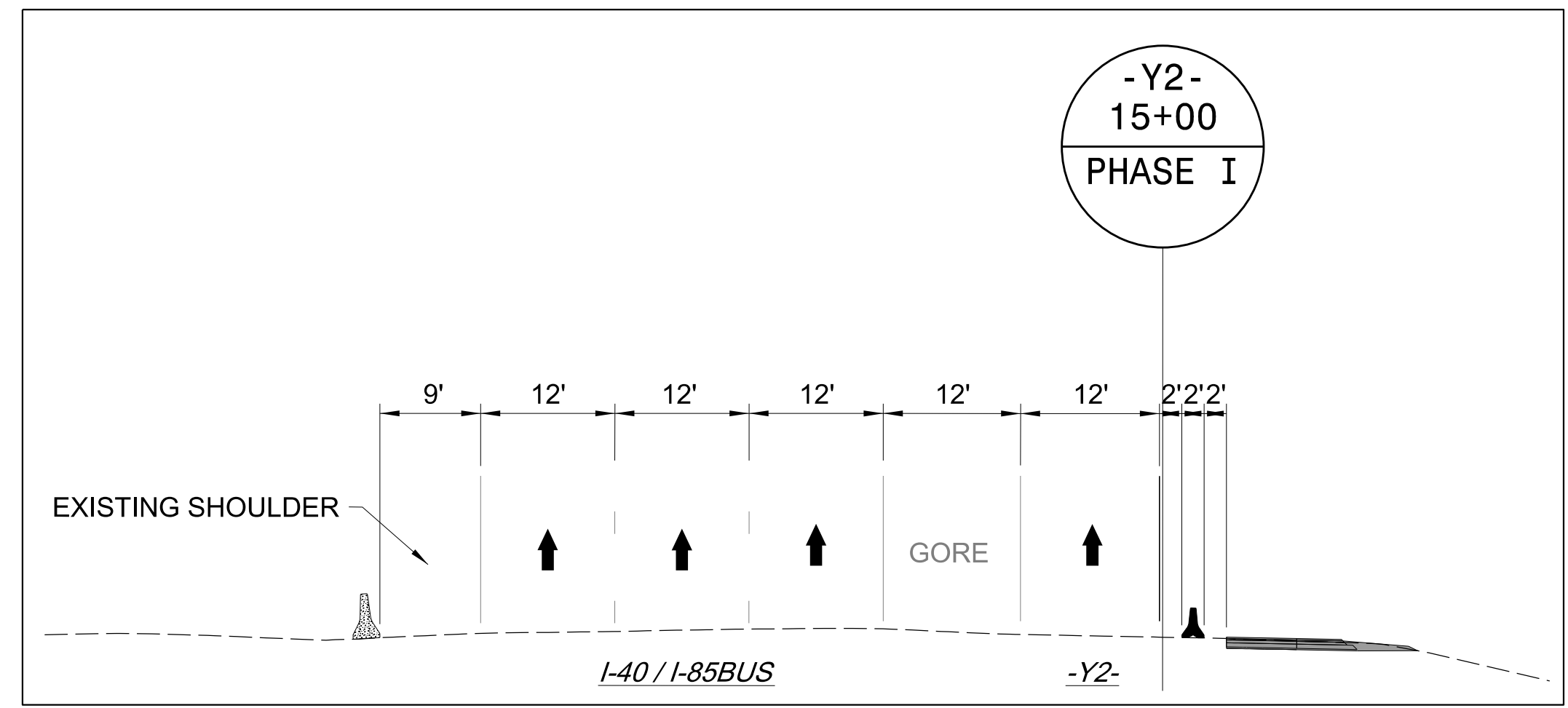
USING TEMPORARY LANE CLOSURES PER ROADWAY STANDARD DRAWING 1101.02, SHEETS 3, 9, AND 10 OF 14, PERFORM MILLING ON -Y1- AND -Y2-, PLACE THE FINAL LAYER OF SURFACE COURSE ON -Y1-, -Y1RP-, -Y2- AND -Y2RP-, AND PLACE FINAL PAVEMENT MARKINGS ON -Y1-, -Y1RP-, -Y2- AND -Y2RP- AS SHOWN IN THE PAVEMENT MARKING PLANS.

STEP 5: (NOT SHOWN)

REMOVE ALL TRAFFIC CONTROL DEVICES AND PLACE TRAFFIC IN TO THE FINAL TRAFFIC PATTERN.

5/9/2019 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-03-PHASING.dgn sepillips

 <p>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672</p>	<p>DocuSigned by: J.W. Woolard BBO2F4E9E1E1C</p>  <p>5/9/2019</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p style="text-align: center;">PHASING</p>
--	--	---	--

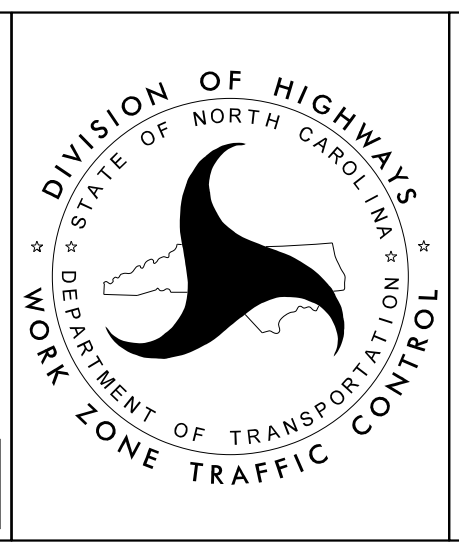


PAINT PAVEMENT MARKING LEGEND	
	WHITE EDGELINE (6")
	YELLOW EDGELINE (6")

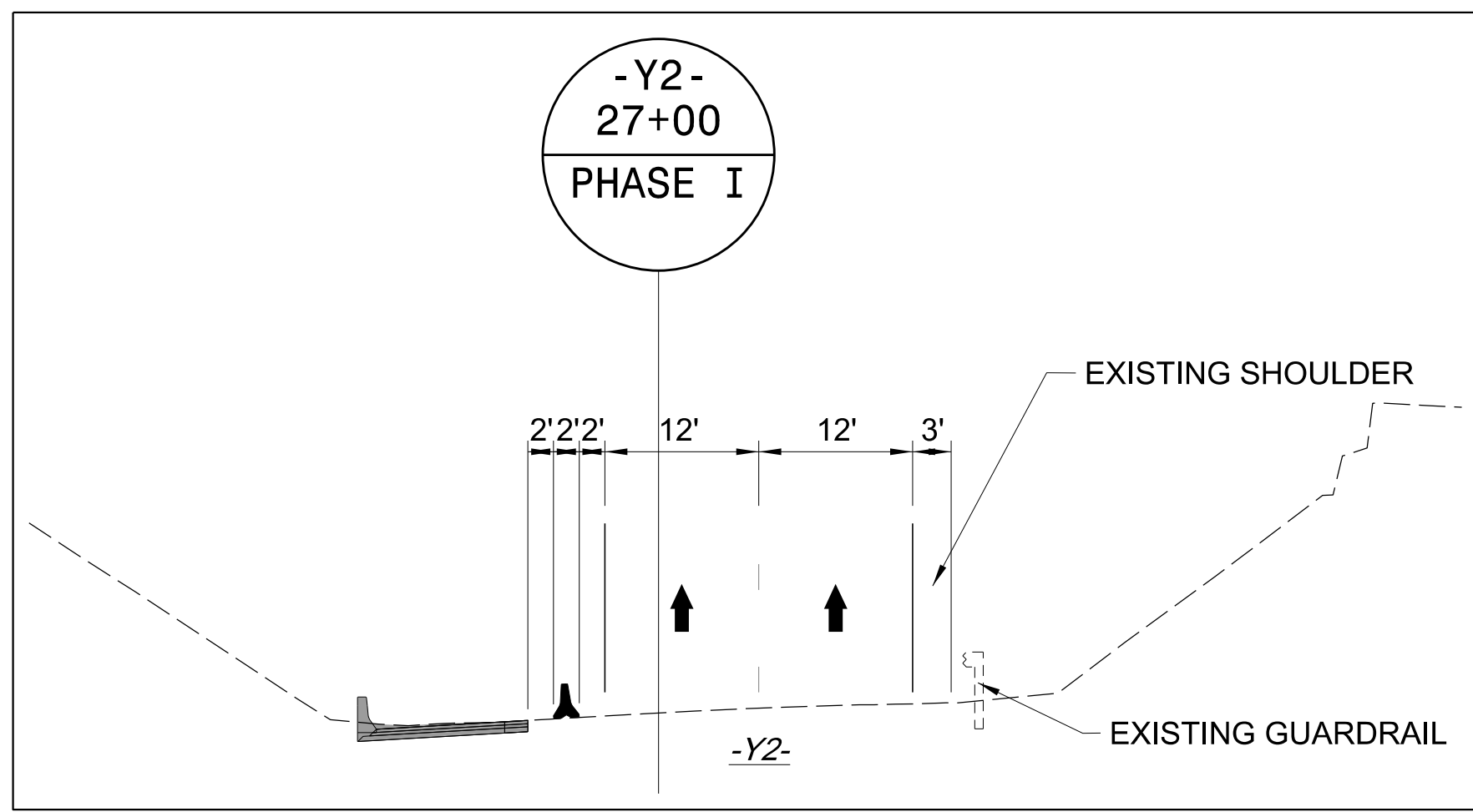
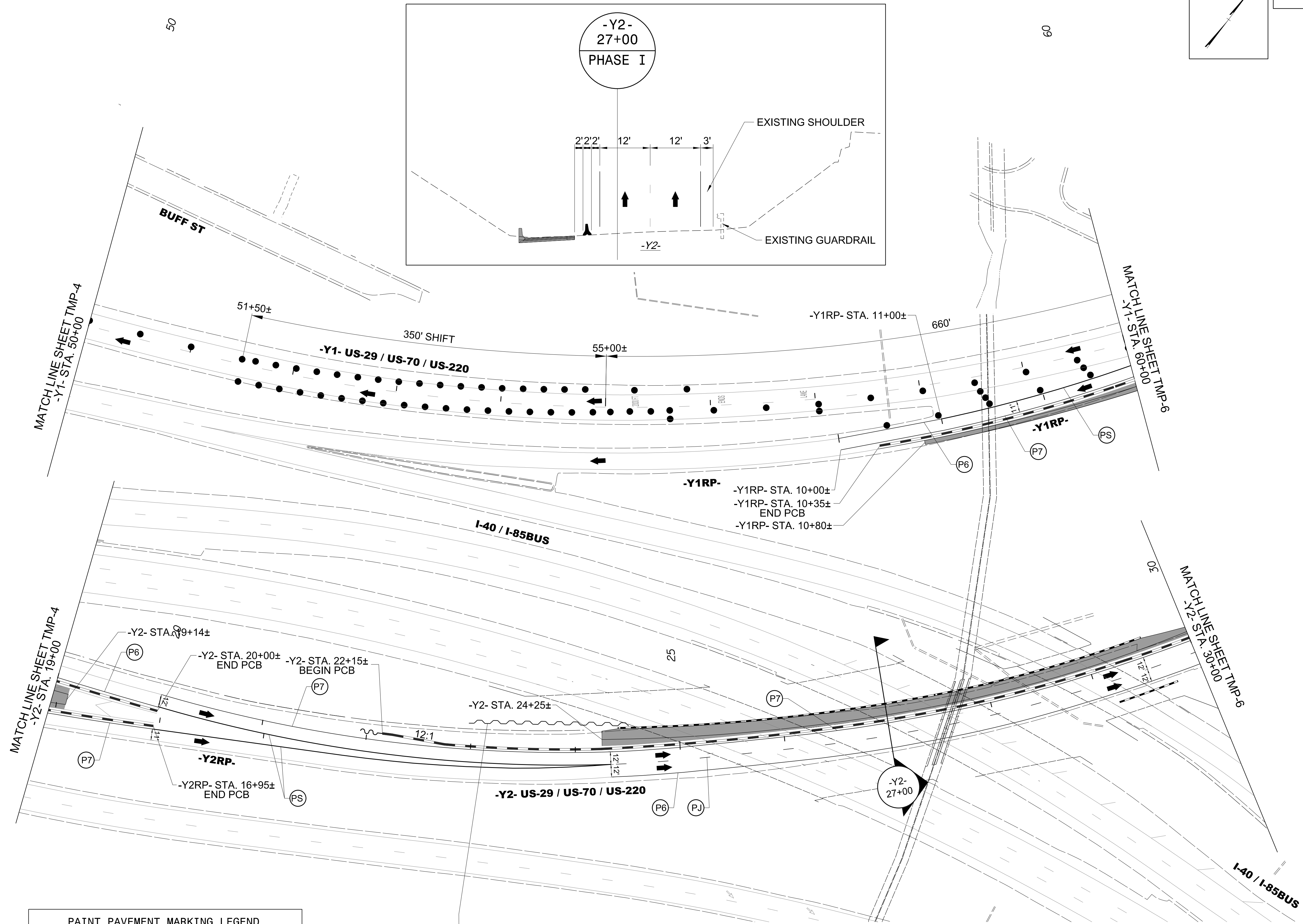
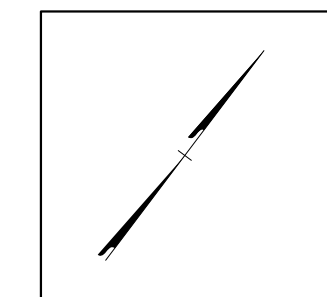
5/9/2019
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-5754-TMP-04-PHASE I.dgn
 sepillips

Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

5/9/2019
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



-Y1- / -Y2- / -Y2RP-
 PHASE I

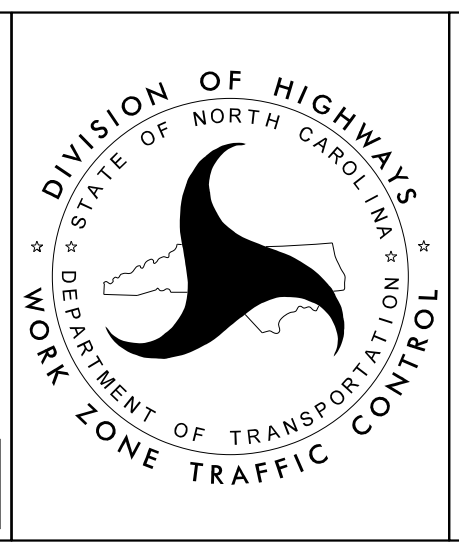


PAINT PAVEMENT MARKING LEGEND	
(P6)	WHITE EDGELINE (6")
(P7)	YELLOW EDGELINE (6")
(PJ)	10 FT. WHITE SKIP (6")
(PS)	WHITE GORELINE (12")

NOTE: REFER TO ROADWAY PLANSHEETS 2G-1, 07, AND SPECIAL PROVISION FOR TEMPORARY SHORING INFORMATION

Stantec
 Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

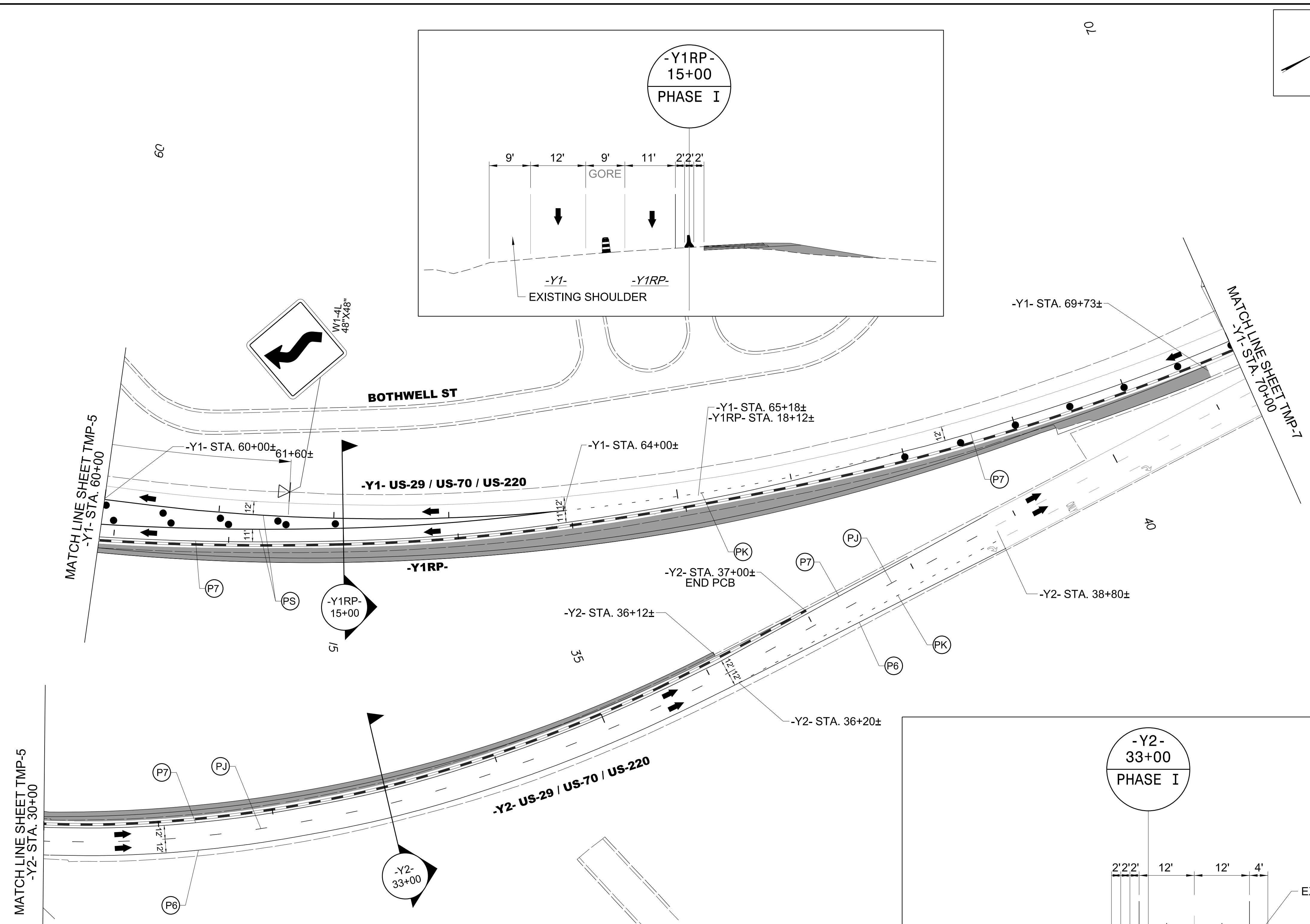
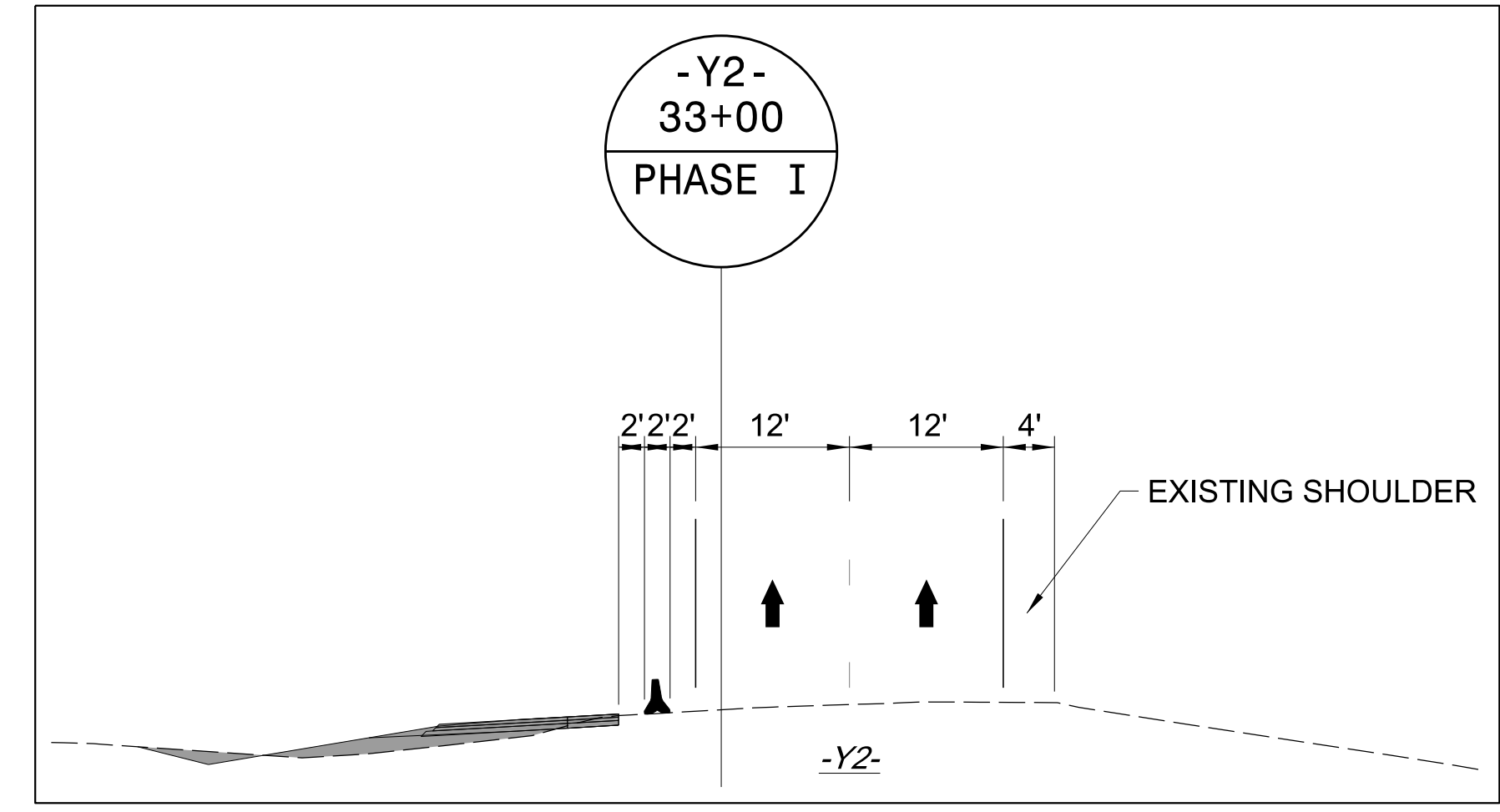
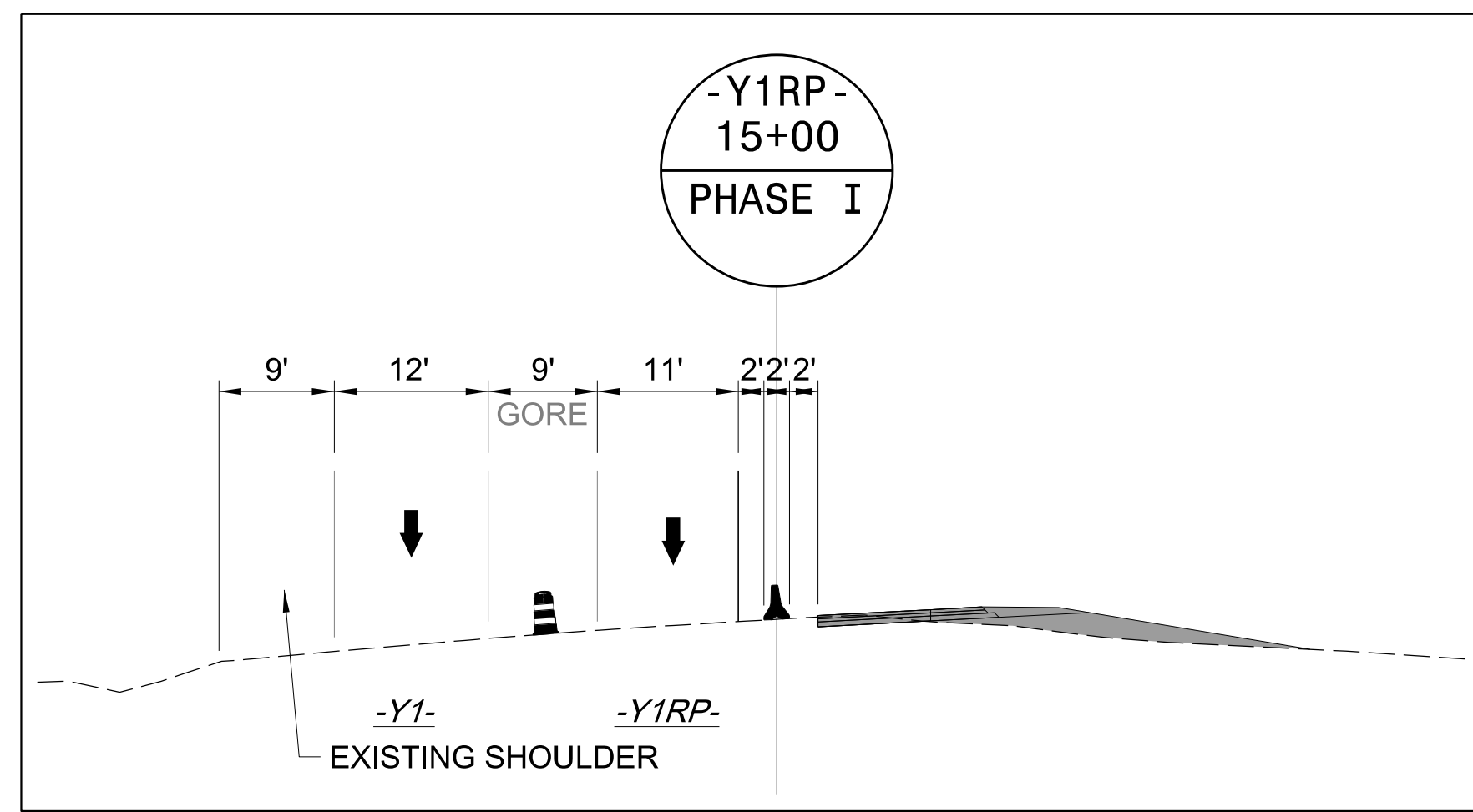
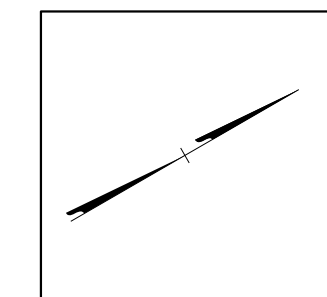
5/9/2019
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



DIVISION OF HIGHWAYS
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

-Y1- / -Y2-
 PHASE I

5/9/2019
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-05-PHASE I.dgn
 sepillips

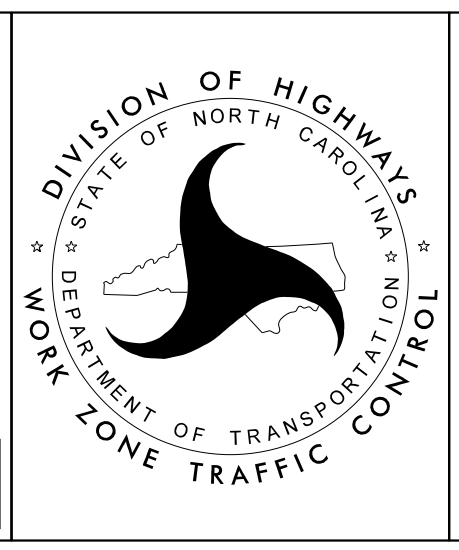


PAINT PAVEMENT MARKING LEGEND	
(P6)	WHITE EDGELINE (6")
(P7)	YELLOW EDGELINE (6")
(PJ)	10 FT. WHITE SKIP (6")
(PK)	3 FT. - 9 FT./SP WHITE MINISKIP (6")
(PS)	WHITE GORELINE (12")

Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. 919.851.6866
Fax. 919.851.7024
www.stantec.com
License No. F-0672

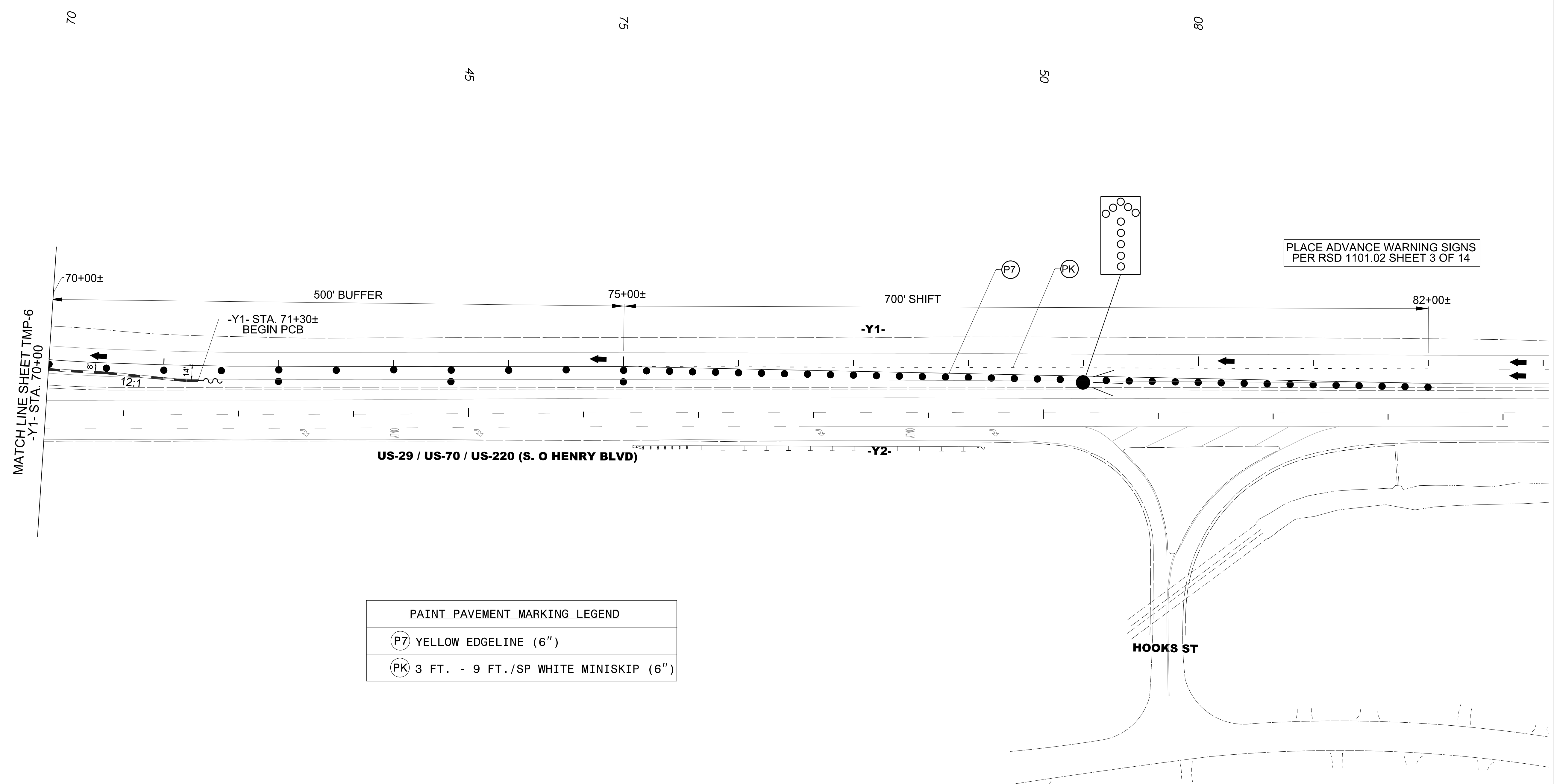
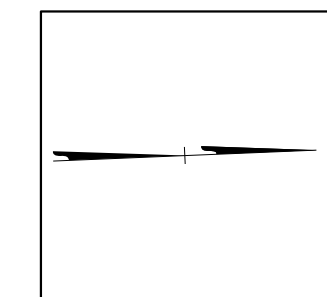
5/9/2019

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



-Y1- / -Y2-
PHASE I

5/9/2019
U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-5754_TMP_06_PHASE I.dgn
sephillips

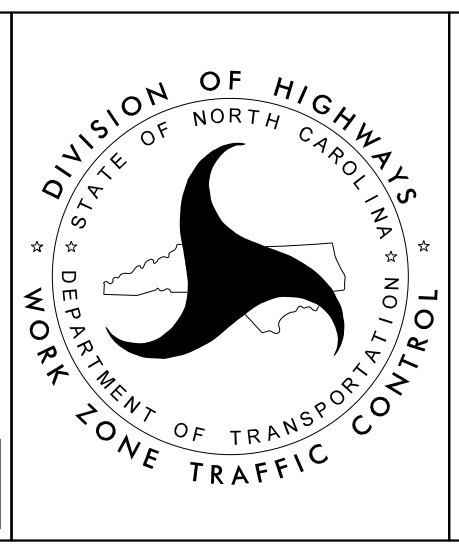


PAINT PAVEMENT MARKING LEGEND	
(P7)	YELLOW EDGELINE (6")
(PK)	3 FT. - 9 FT./SP WHITE MINISKIP (6")

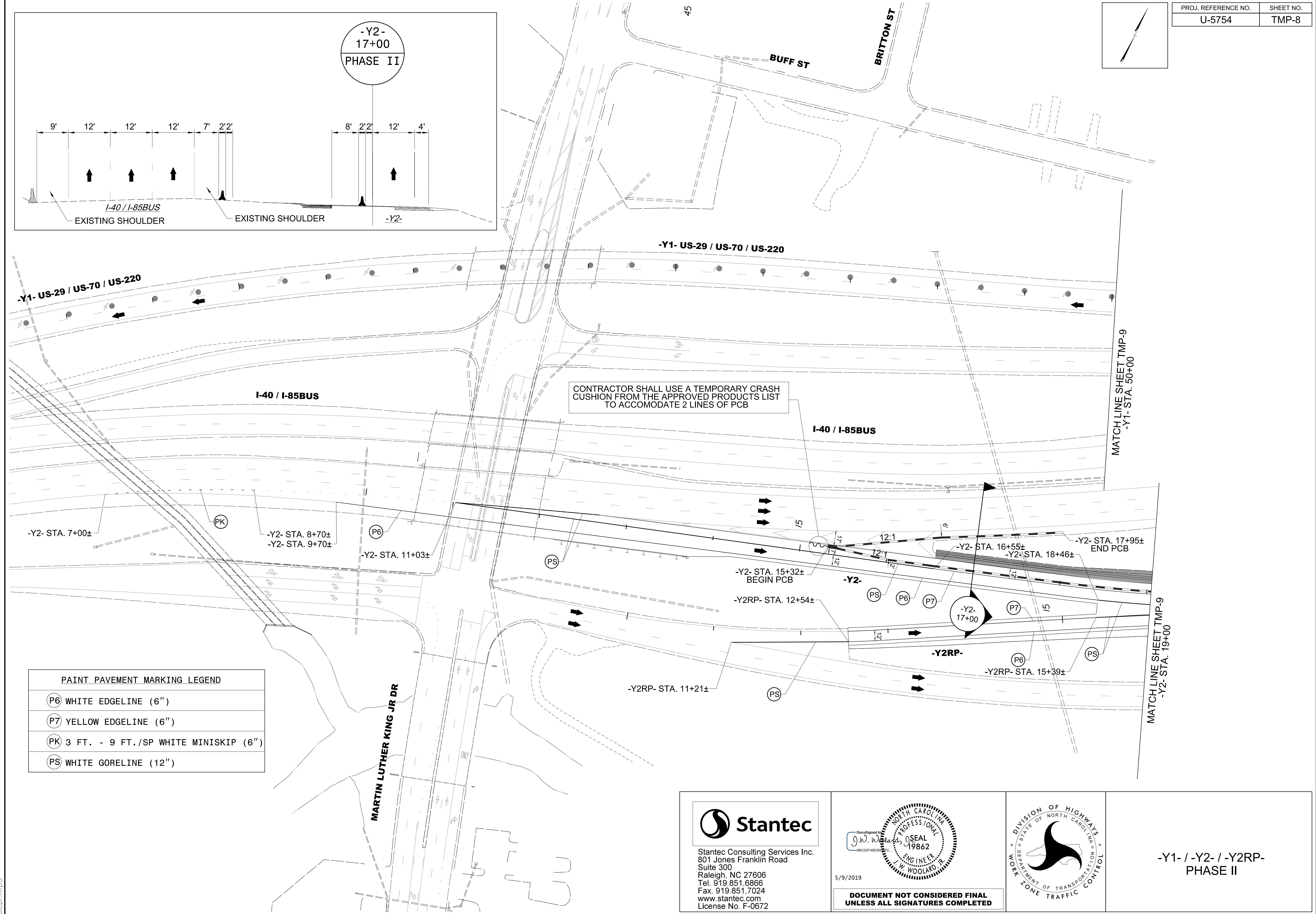
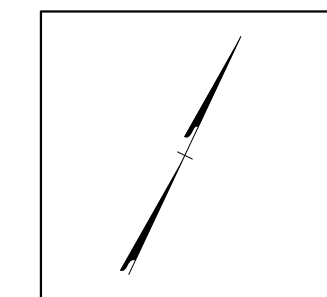
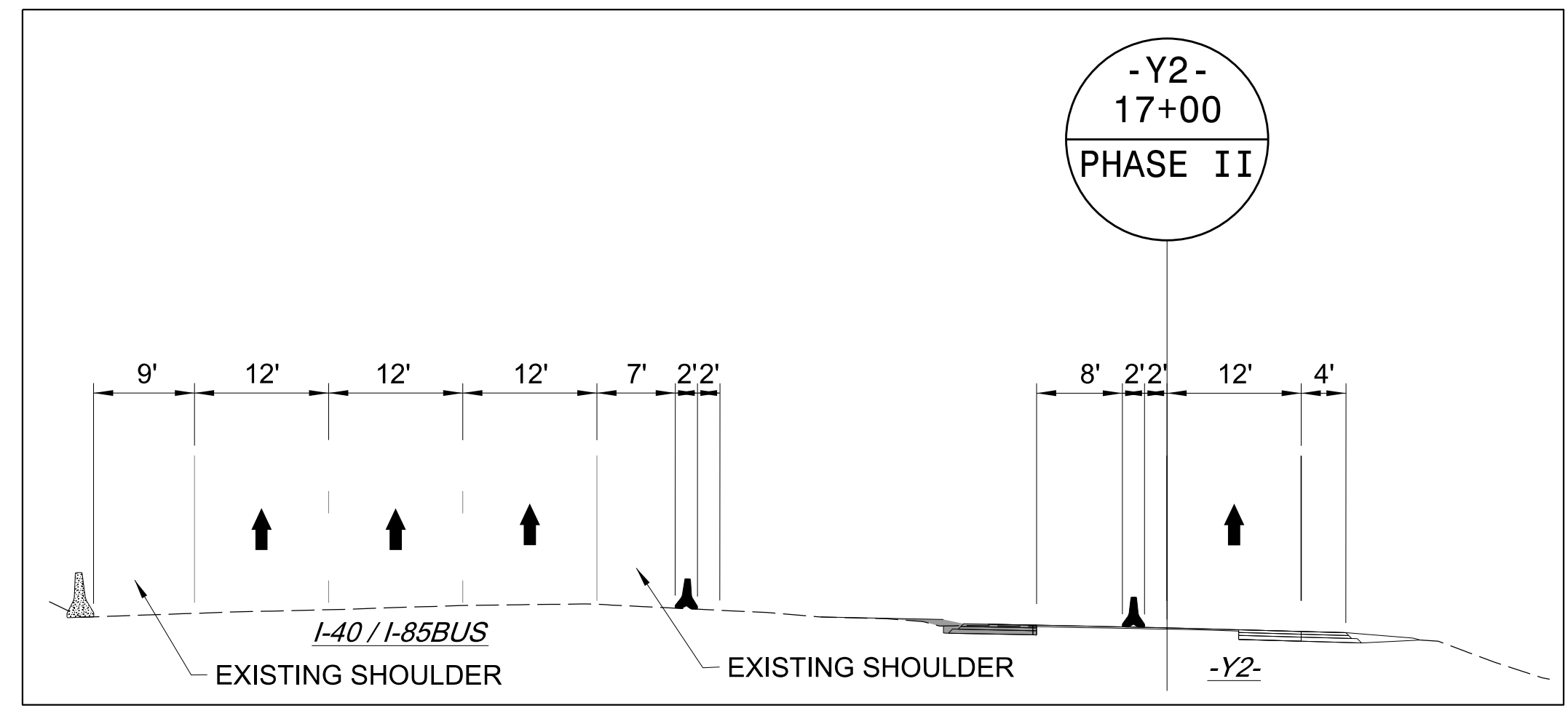
5/9/2019
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-07-PHASE I.dgn
 sepillips

Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

Dec 9/2019
 J.W. Woolard
 PROFESSIONAL SEAL
 19862
 ENGINEER
 W. WOOLARD, R.
 5/9/2019
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



-Y1- / -Y2-
 PHASE I



PAINT PAVEMENT MARKING LEGEND	
P6	WHITE EDGELINE (6")
P7	YELLOW EDGELINE (6")
PK	3 FT. - 9 FT./SP WHITE MINISKIP (6")
PS	WHITE GORELINE (12")

5/9/2019
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-08-PHASE 2.dgn
 sepillips

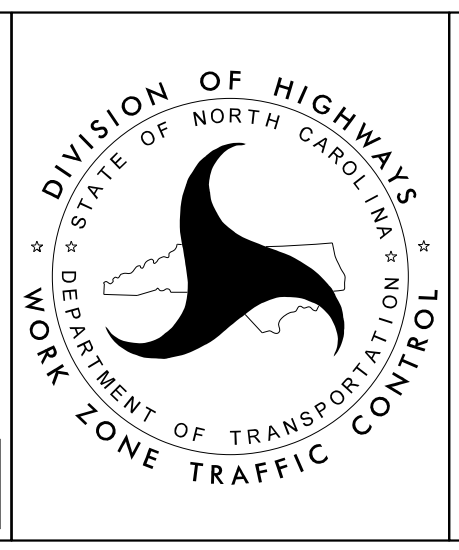
Stantec

Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

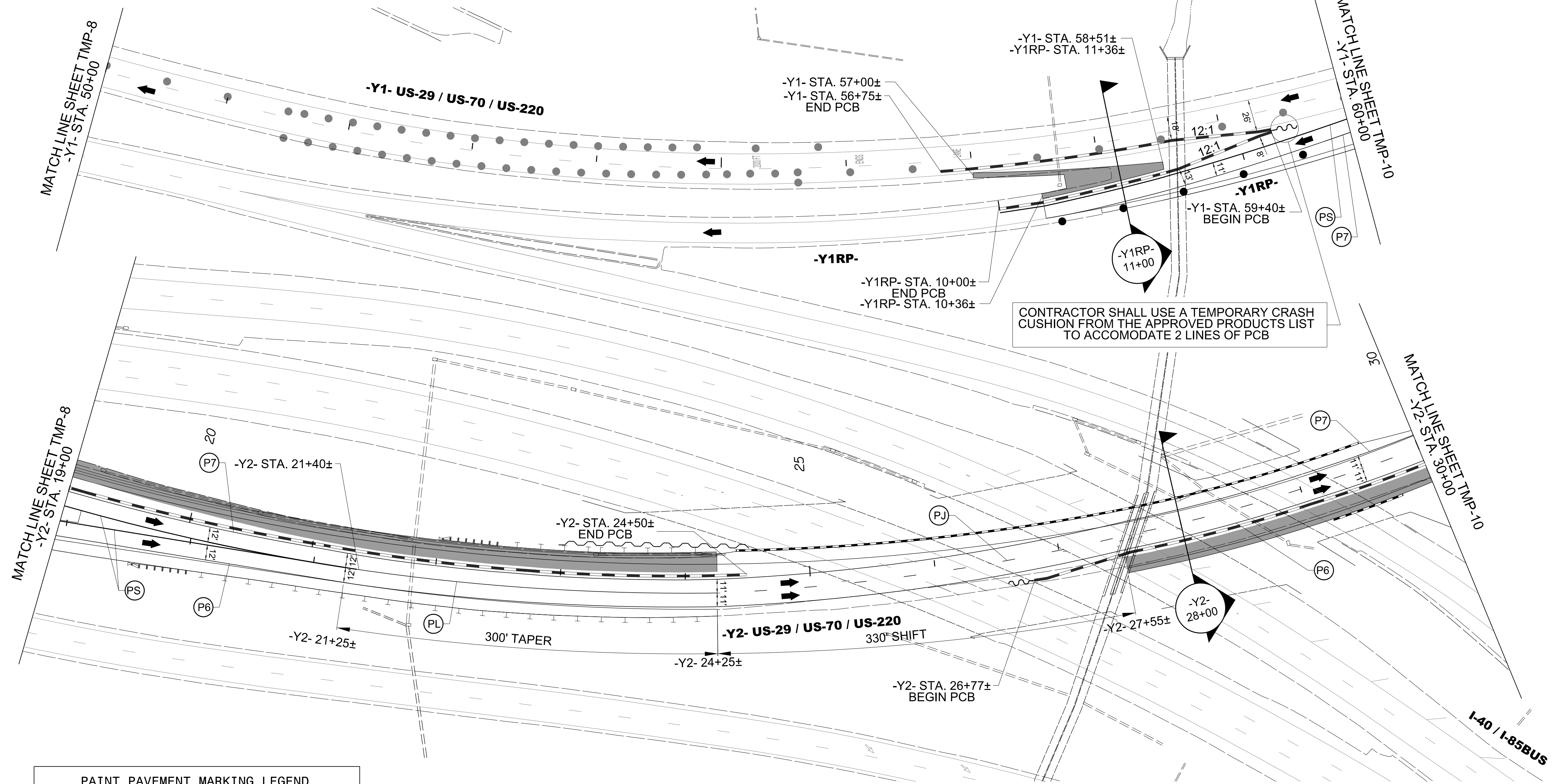
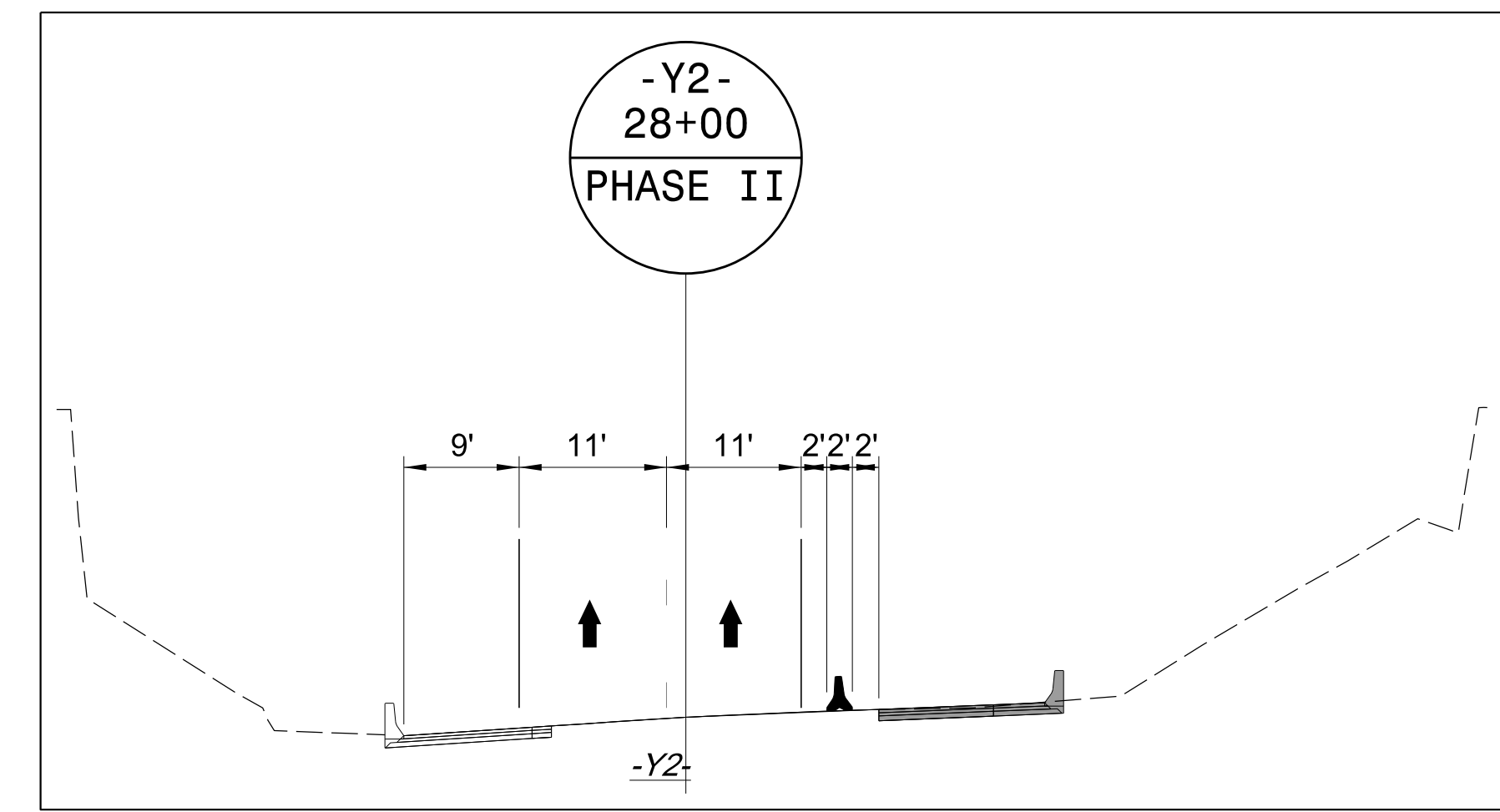
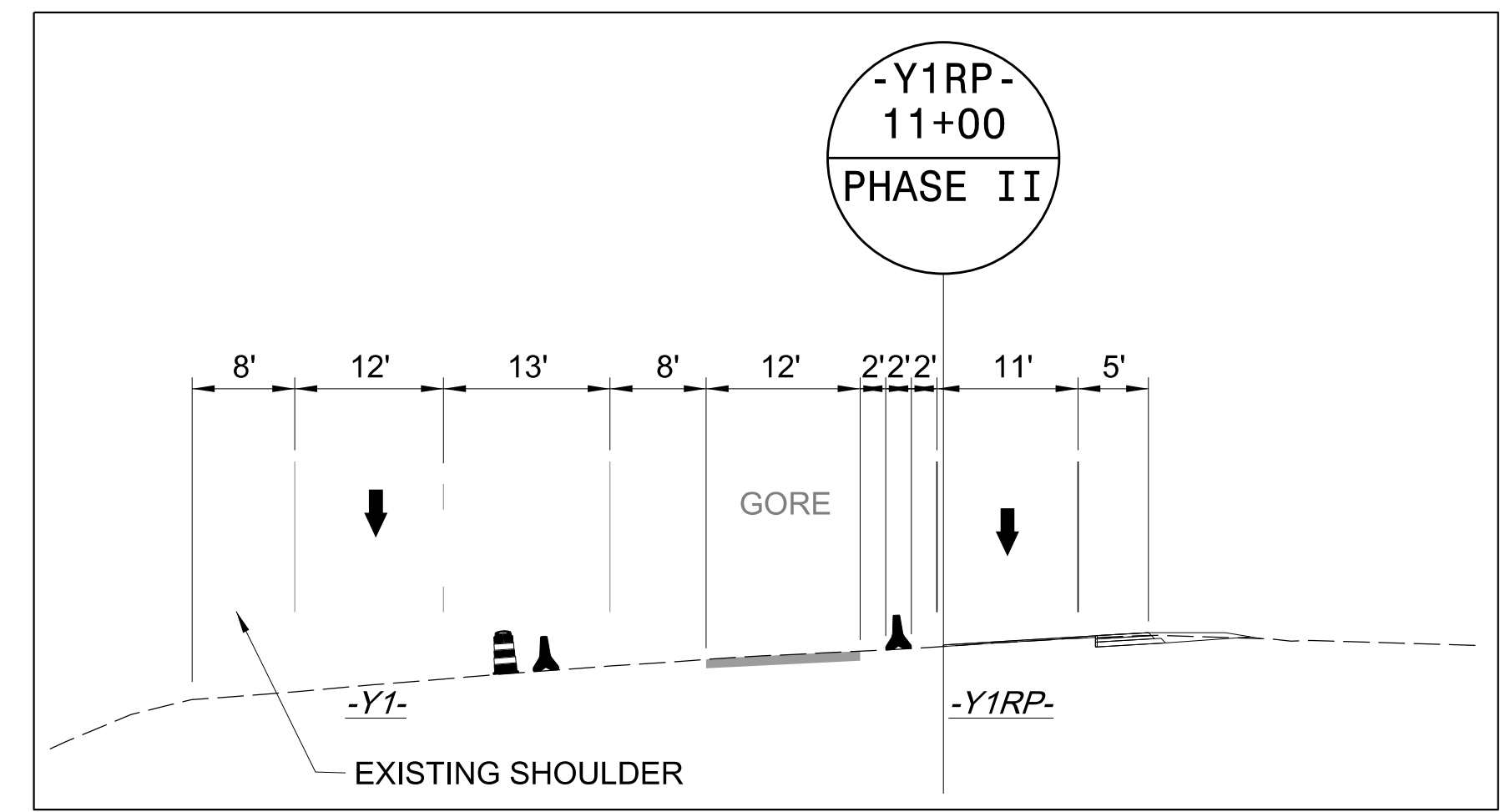
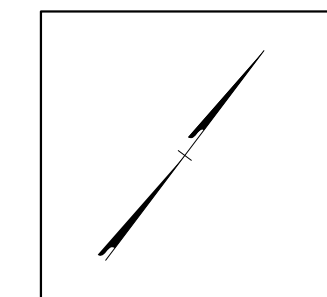
5/9/2019

DESIGNED BY
J.W. Woolard
 PROFESSIONAL SEAL
 19862
 ENGINEER
 W. WOOLARD, R.

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



**-Y1- / -Y2- / -Y2RP-
 PHASE II**

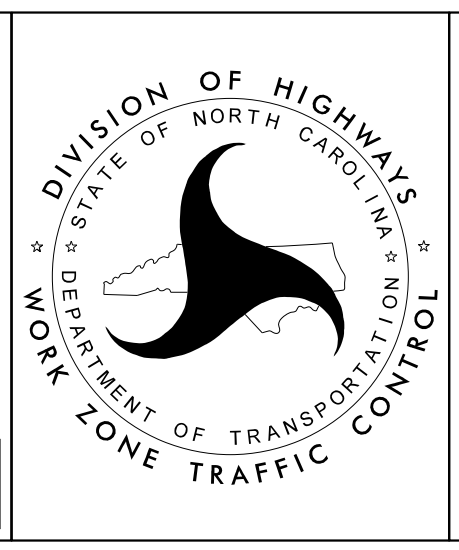


CONTRACTOR SHALL USE A TEMPORARY CRASH CUSHION FROM THE APPROVED PRODUCTS LIST TO ACCOMODATE 2 LINES OF PCB

PAINT PAVEMENT MARKING LEGEND	
(P6)	WHITE EDGELINE (6")
(P7)	YELLOW EDGELINE (6")
(PL)	WHITE SOLID LANE LINE (6")
(PJ)	10 FT. WHITE SKIP (6")
(PS)	WHITE GORELINE (12")

Stantec
 Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

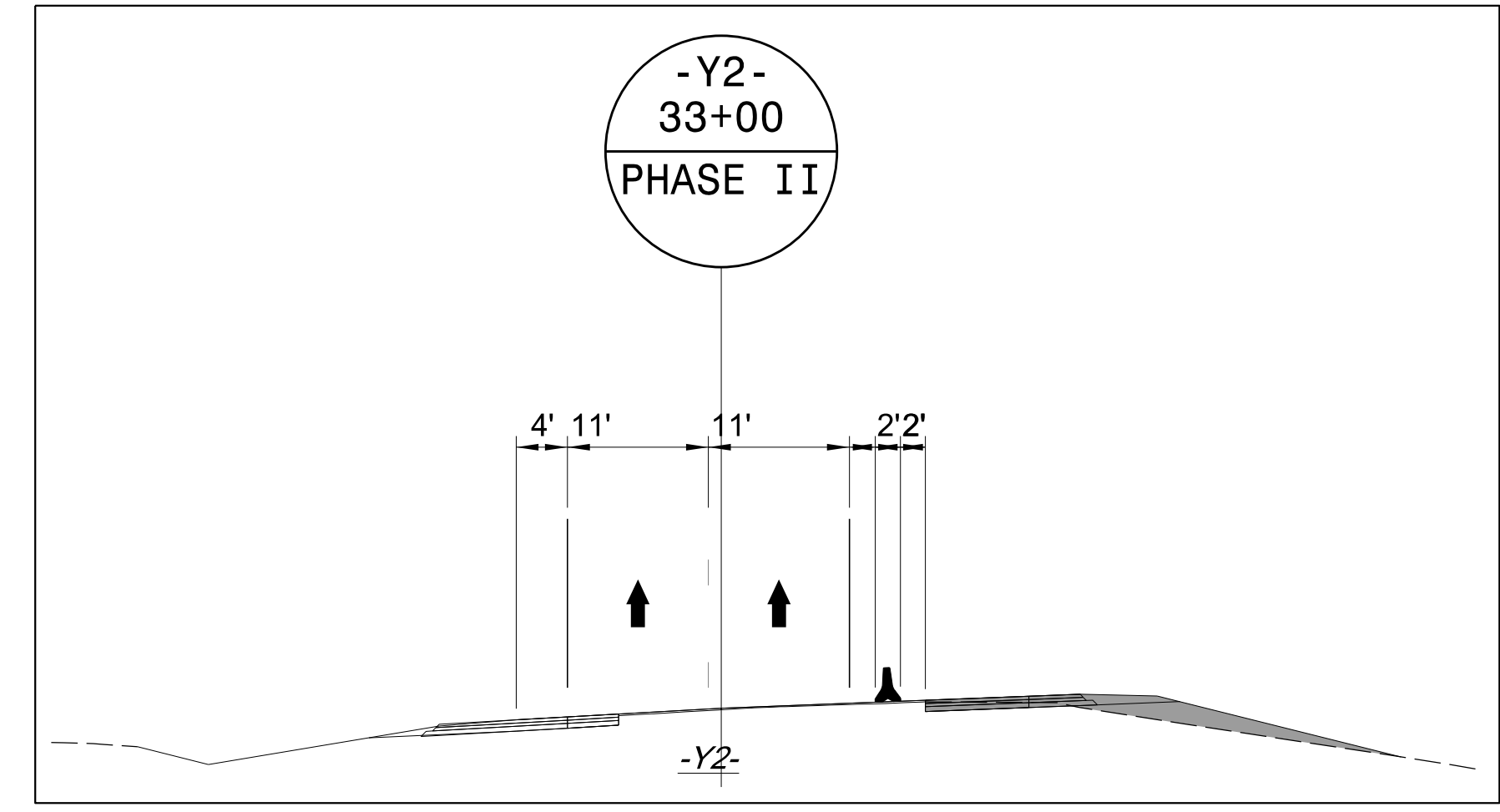
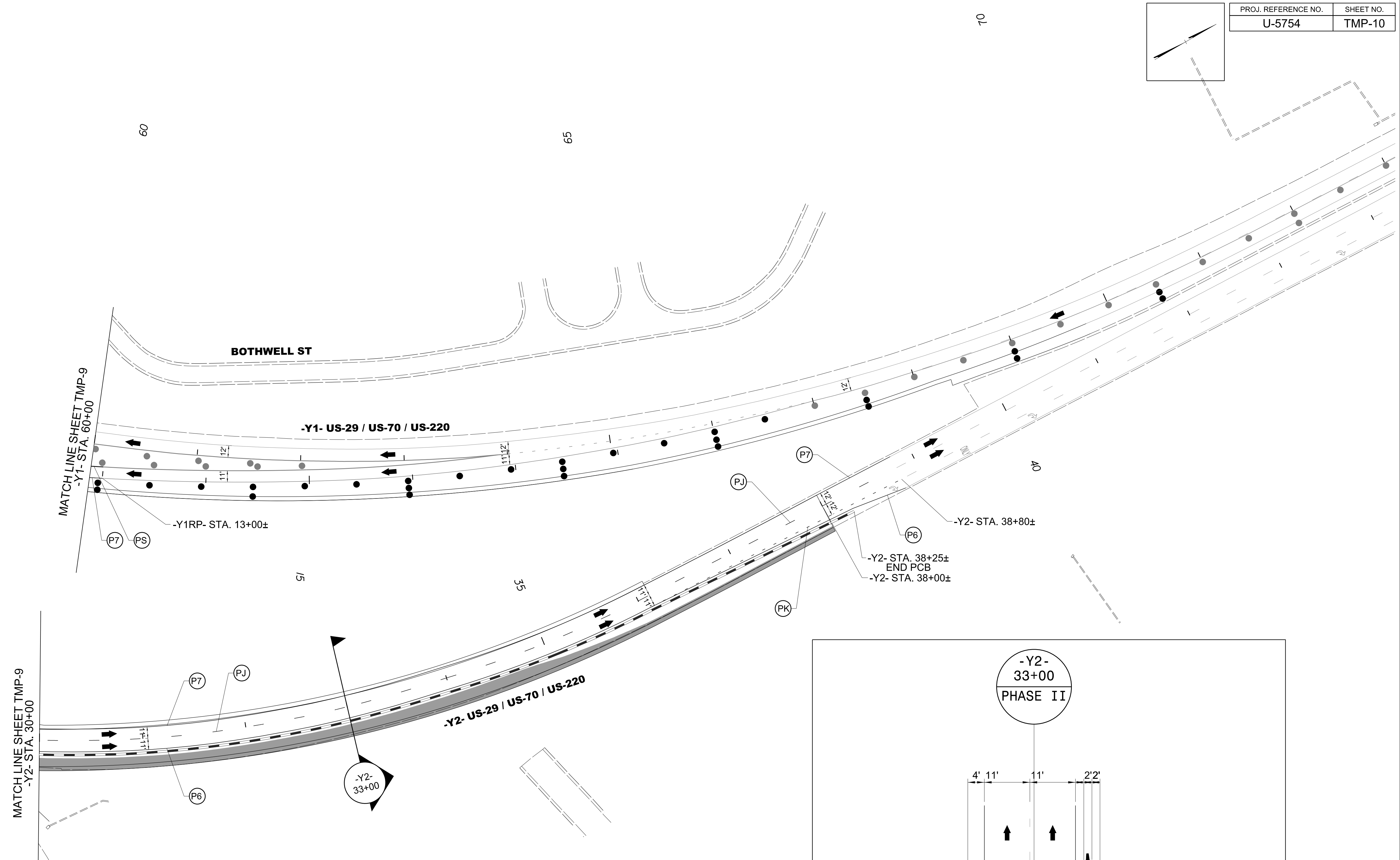
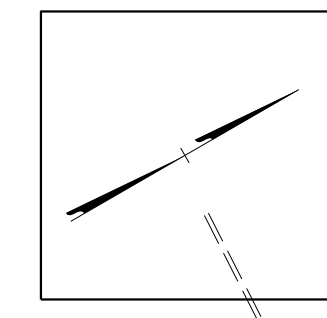
5/9/2019
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



DIVISION OF HIGHWAYS
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

-Y1- / -Y2-
 PHASE II

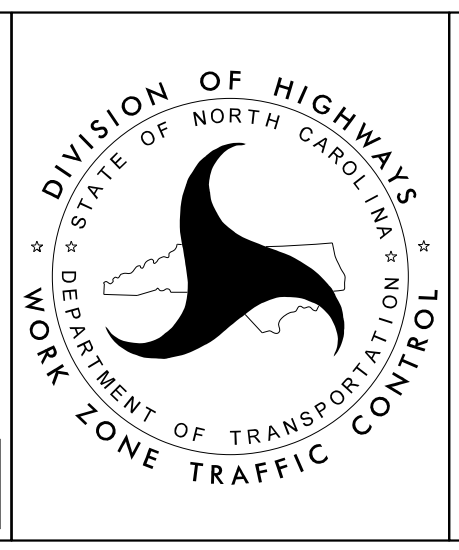
5/9/2019
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-5754-TMP-09-PHASE 2.dgn
 sepillips



PAINT PAVEMENT MARKING LEGEND	
(P6)	WHITE EDGELINE (6")
(P7)	YELLOW EDGELINE (6")
(PJ)	10 FT. WHITE SKIP (6")
(PK)	3 FT. - 9 FT./SP WHITE MINISKIP (6")
(PS)	WHITE GORELINE (12")

Stantec
 Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

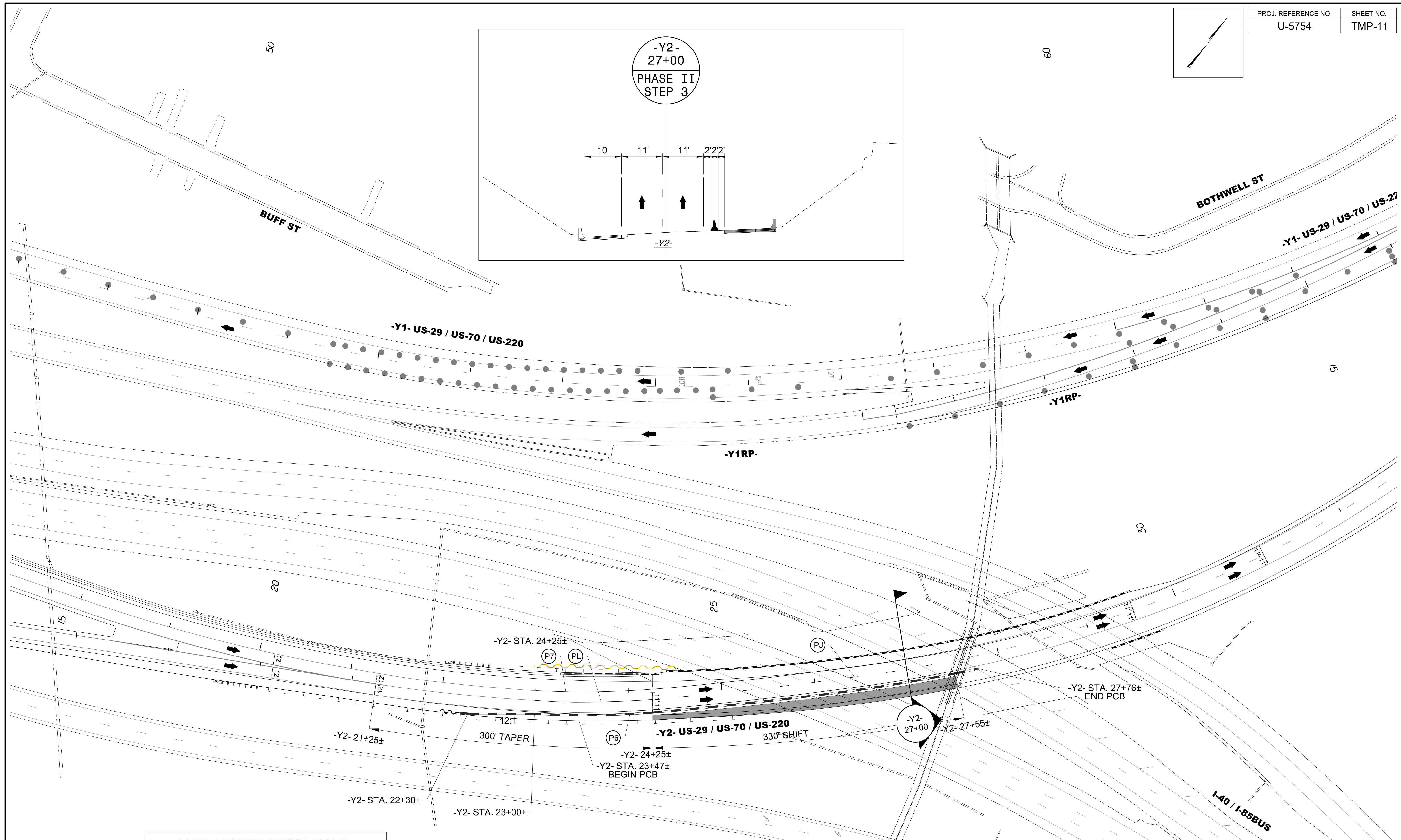
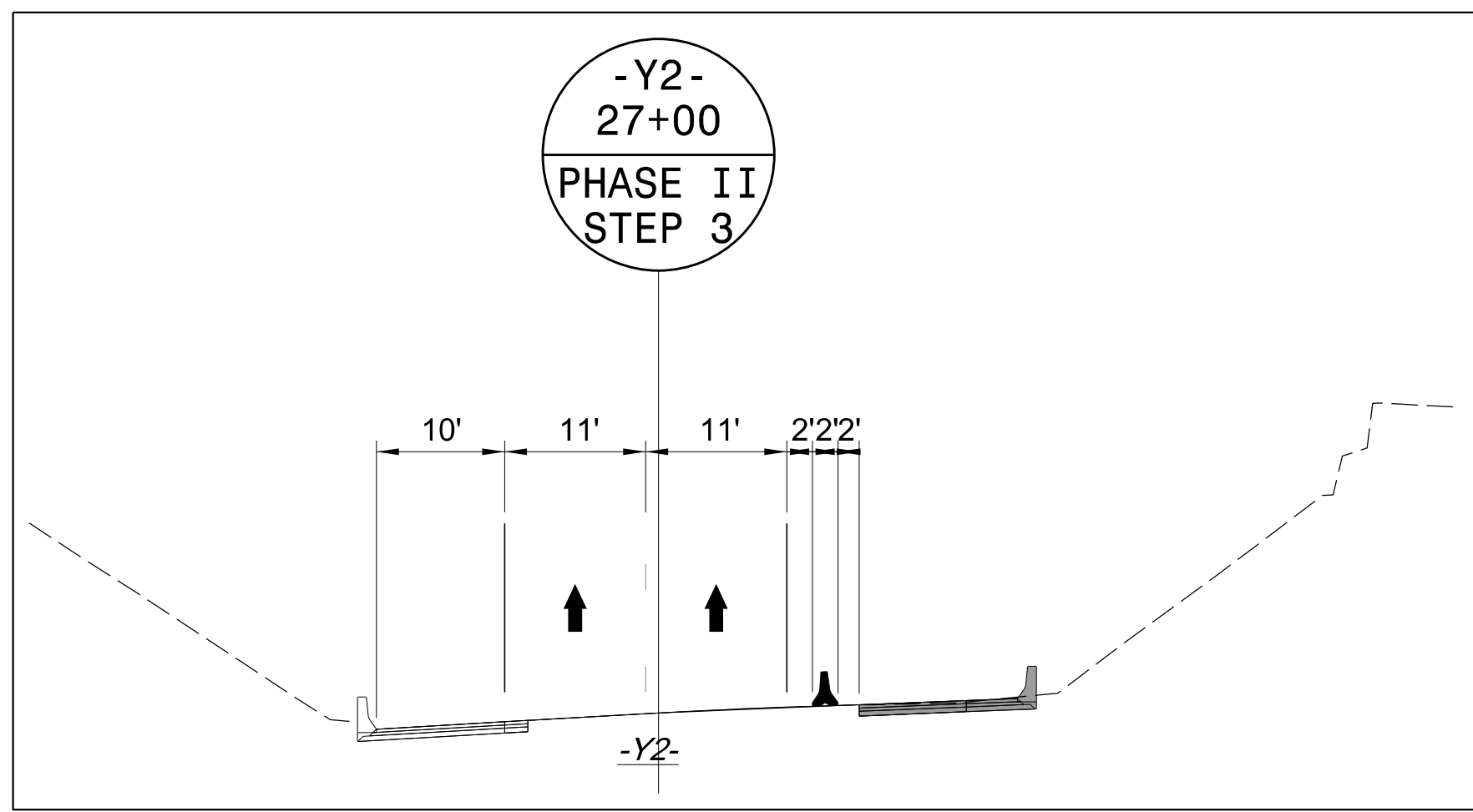
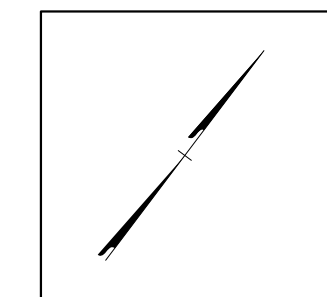
5/9/2019
 DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



DIVISION OF HIGHWAYS
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

-Y1- / -Y2-
 PHASE II

5/9/2019
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-10_PHASE 2.dgn
 sepillips

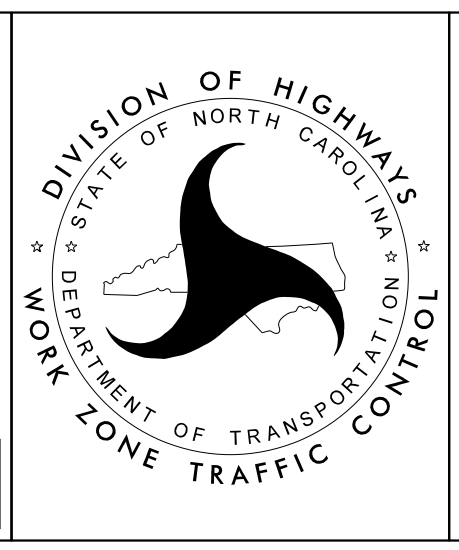


PAINT PAVEMENT MARKING LEGEND	
	WHITE EDGELINE (6")
	YELLOW EDGELINE (6")
	10 FT. WHITE SKIP (6")
	WHITE SOLID LANE LINE (6")

Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. 919.851.6866
Fax. 919.851.7024
www.stantec.com
License No. F-0672

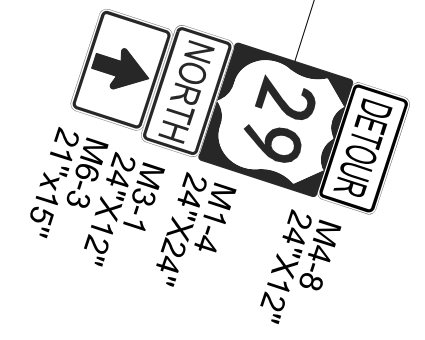
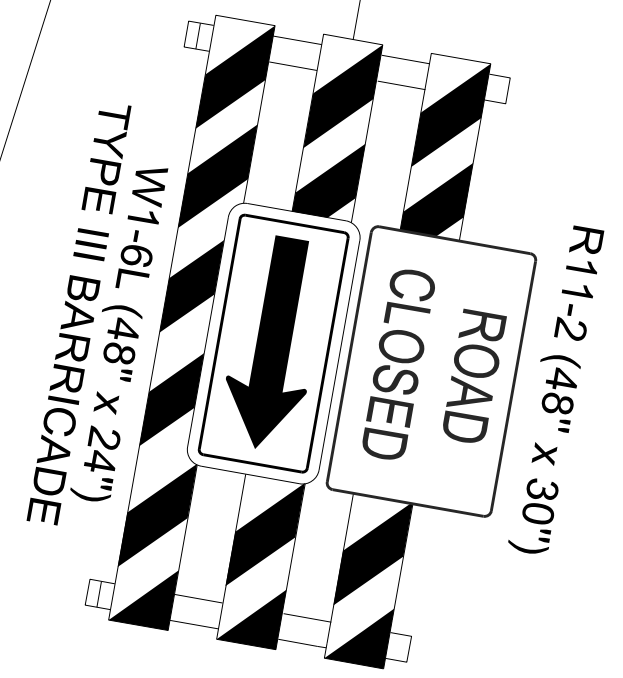
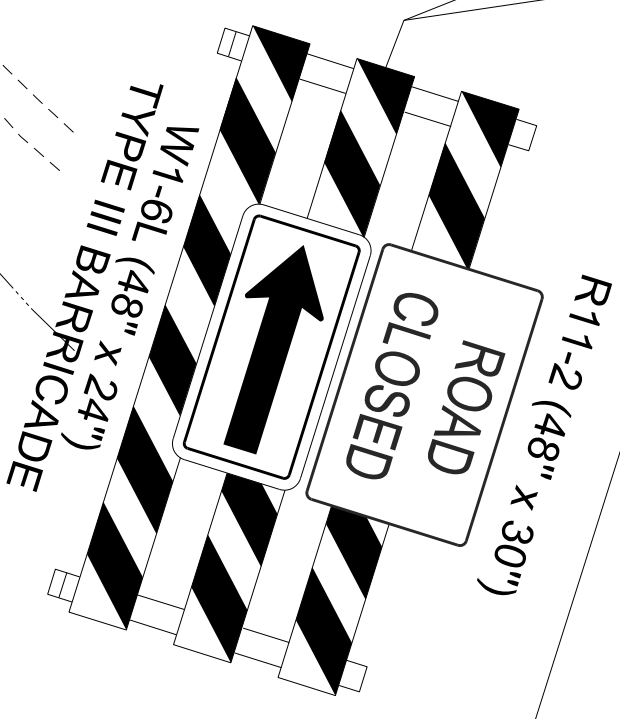
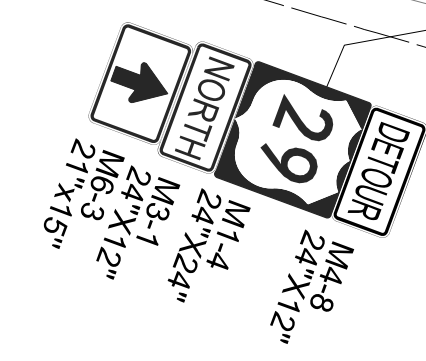
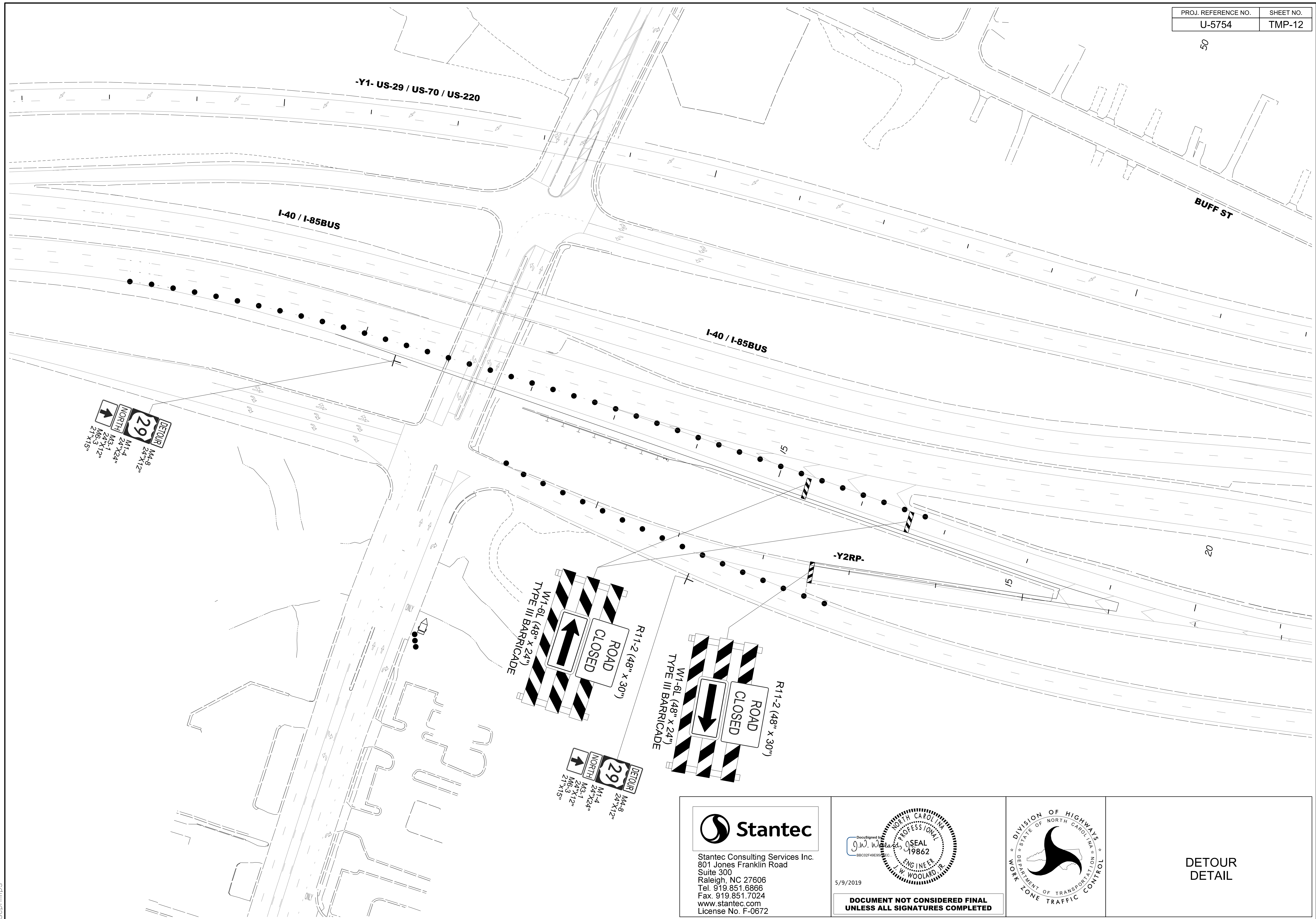
5/9/2019

**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



-Y1- / -Y2-
PHASE II
STEP 3

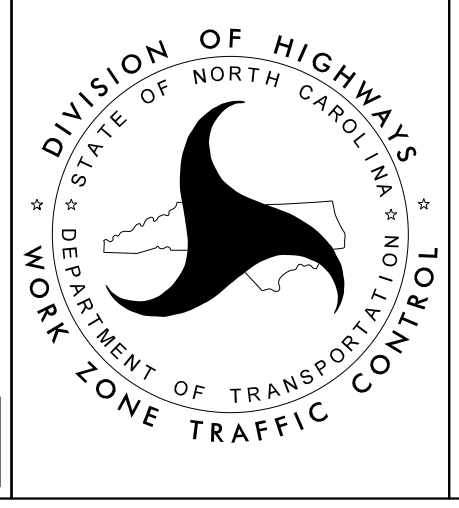
5/9/2019
U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-II-PHASE 2 STEP 3.dgn
sephillips



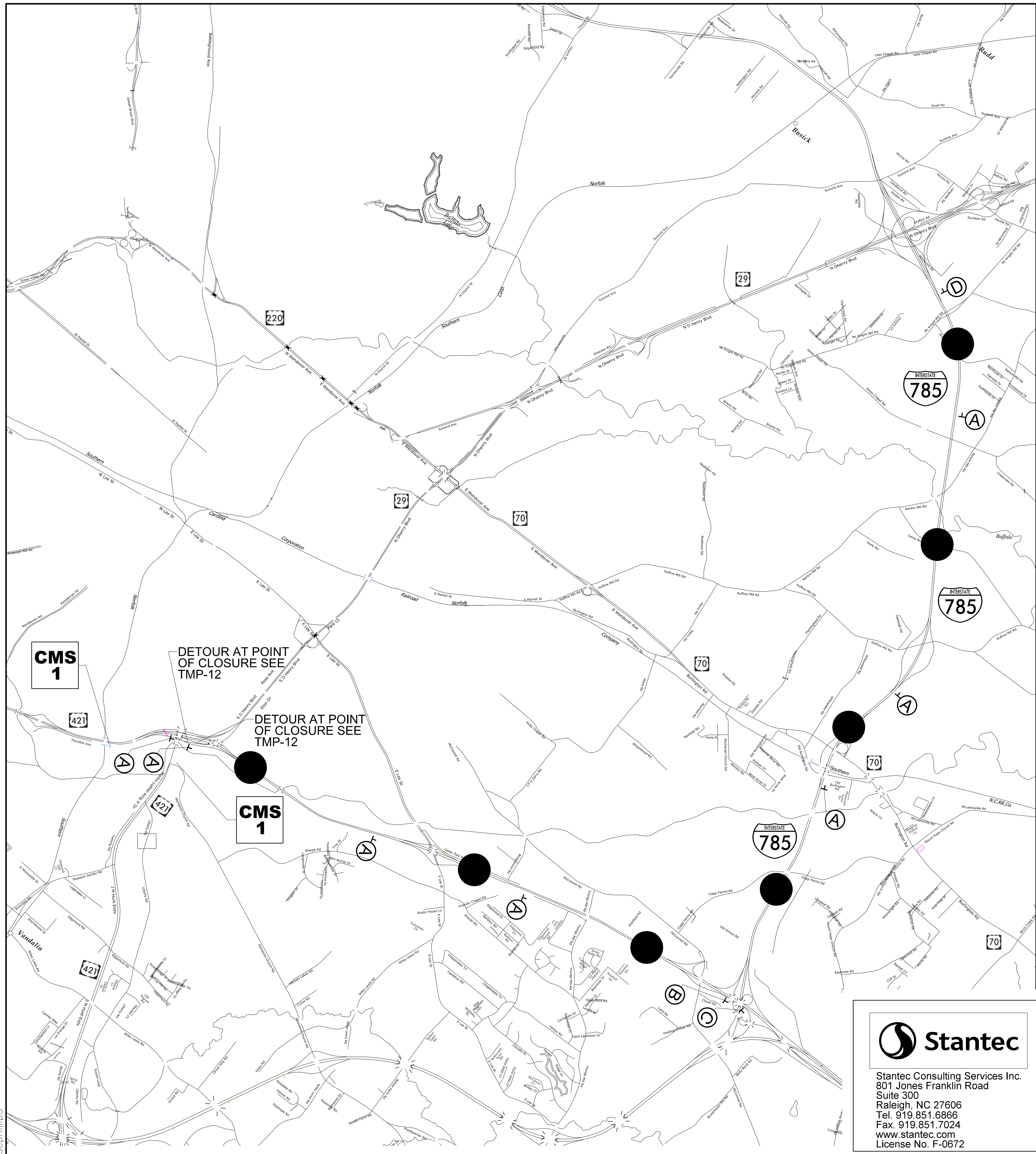
5/9/2019
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-12-DETOUR_DETAIL.dgn
 sepillips

Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

5/9/2019
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



**DETOUR
DETAIL**



A

DETOUR	M4-8
NORTH	24"X12"
29	M3-1
	24"X12"
↑	M1-4
	24"X24"
	M6-3
	21"x15"

B

DETOUR	M4-8
NORTH	24"X12"
29	M3-1
	24"X12"
↗	M1-4
	24"X24"
	M5-2
	21"x15"

C

DETOUR	M4-8
NORTH	24"X12"
29	M3-1
	24"X12"
↗	M1-4
	24"X24"
	M6-2
	21"x15"

D

END	M4-8a
DETOUR	24"X18"
NORTH	M3-1
	24"X12"
29	M1-4
	24"X24"

CMS 1

CHANGEABLE MESSAGE SIGN	
US 29 NORTH	FOLLOW DETOUR

5/9/2019
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-5754-TMP-13-DETOUR.dgn
 sepillips

Stantec

Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

Designed by
J.W. Woolard
 PROFESSIONAL SEAL
 19862
 ENGINEER
 W. WOOLARD, P.E.

5/9/2019

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

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

DETOUR