

**This electronic collection of documents is provided
for the convenience of the user
and is Not a Certified Document –**

**The documents contained herein were originally issued
and sealed by the individuals whose names and license
numbers appear on each page, on the dates appearing
with their signature on that page.**

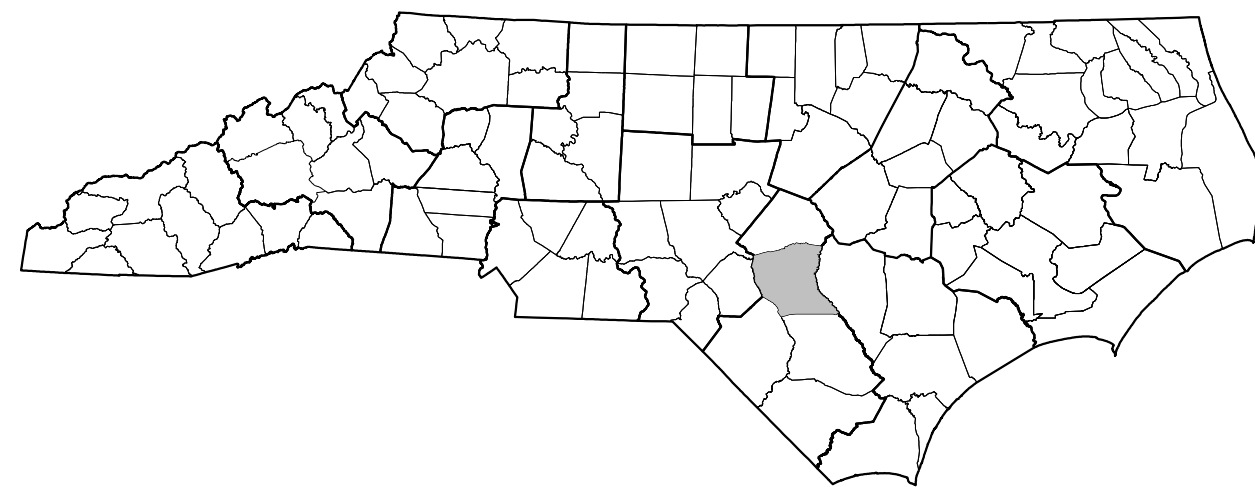
**This file or an individual page
shall not be considered a certified document.**

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

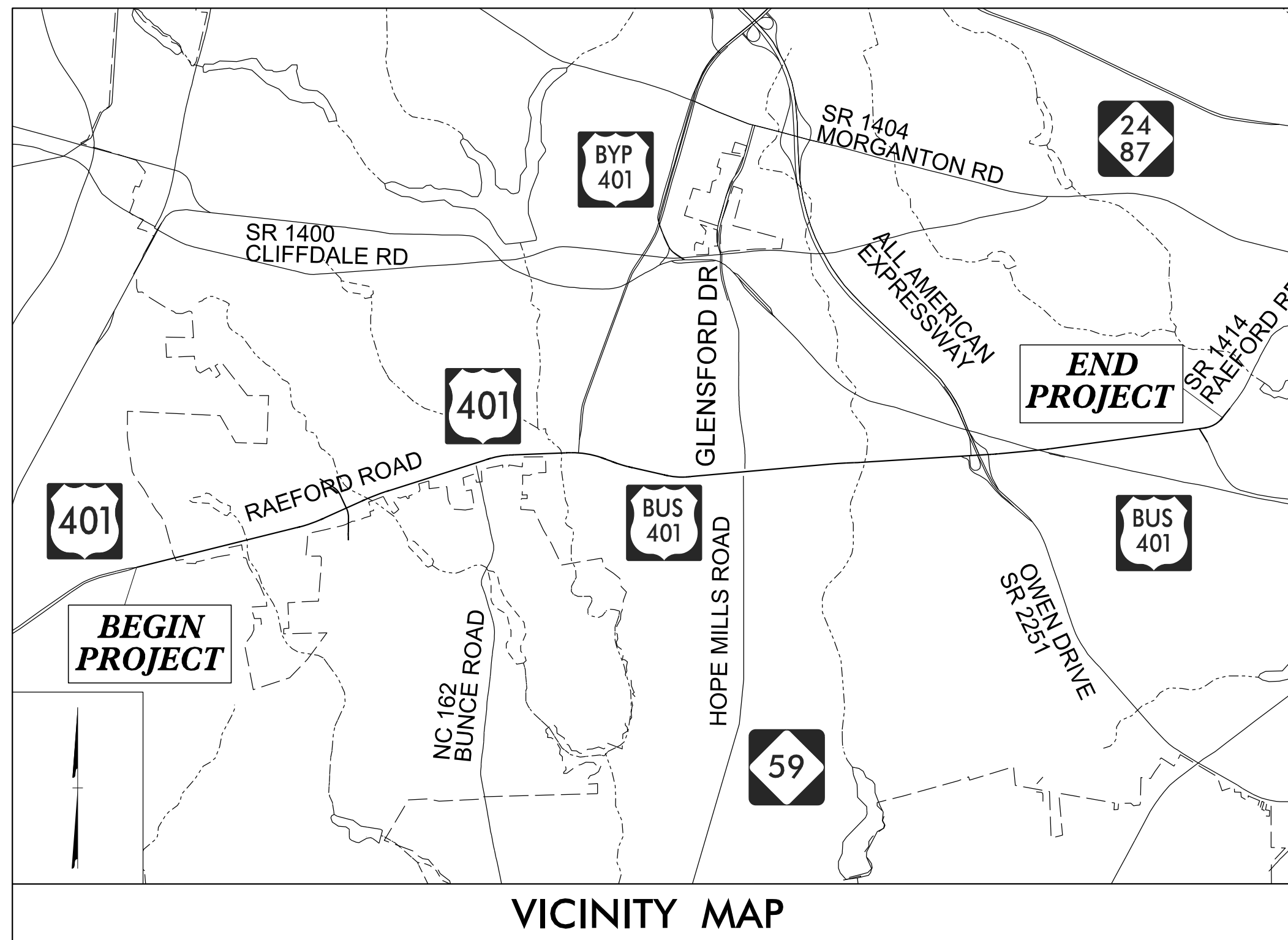
CUMBERLAND COUNTY

DIVISION 6



US 401 FROM WEST OF HAMPTON OAKS DRIVE TO EAST OF FAIRWAY DRIVE IN FAYETTEVILLE

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNALS, WIDENING, RESURFACING & STRUCTURE



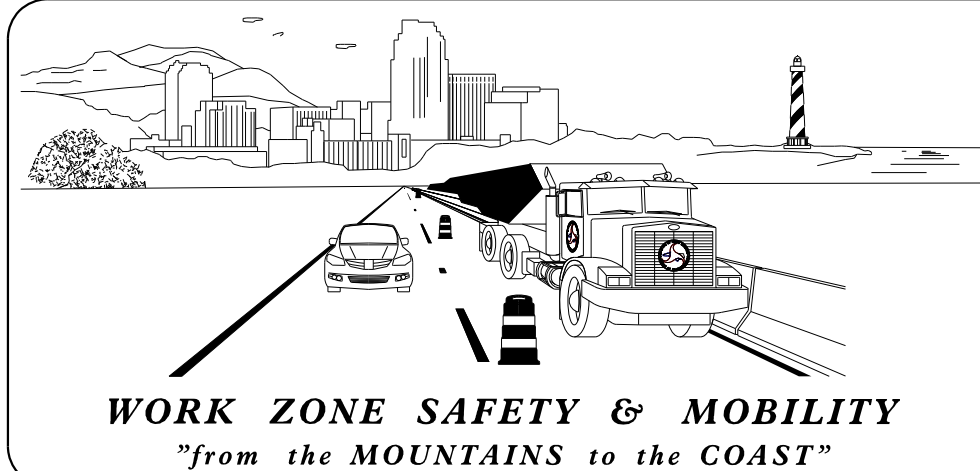
VICINITY MAP

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND
TMP-1B, 1C	GENERAL NOTES
TMP-2	PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
TMP-2A	TEMPORARY SHORING NOTES
TMP-2B	SECTION AND TIME RESTRICTION DETAIL
TMP-3, 3A	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4	CULVERT SHORING DETAIL
TMP-5	RAMP B EXPRESSWAY TIE-IN BARRIER DETAIL
TMP-6	SIDEWALK CLOSURE DETAIL
TMP-7	PHASE I & II OUTSIDE WIDENING CONSTRUCTION DETAILS
TMP-8	PHASE I & II OUTSIDE WIDENING CONSTRUCTION TYPICAL DRAWING
TMP-9	PHASE I & II OUTSIDE WIDENING INTERSECTION CONSTRUCTION TYPICAL DRAWING
TMP-10	-Y18- EUCALYPTUS RD DETOUR ROUTE
TMP-11	-Y26- FAISON AVE DETOUR ROUTE
TMP-12	US 401 -L- AT NC 59 PHASE I INTERSECTION DETAIL
TMP-13	US 401 -L- AT -Y25- PHASE II INTERSECTION DETAIL
TMP-14	US 401 -L- AT -Y43- PHASE II INTERSECTION DETAIL
TMP-15	PHASE III MEDIAN CONSTRUCTION DETAILS
TMP-16	PHASE III MEDIAN CONSTRUCTION TYPICAL DRAWING
TMP-17	PHASE III MEDIAN INTERSECTION CONSTRUCTION TYPICAL DRAWING
TMP-18-20	US 401 -L- PHASE III STEP 2
TMP-21-23	US 401 -L- PHASE III STEP 3
TMP-24	US 401 -L- AT -Y5- PHASE III INTERSECTION DETAIL
TMP-25	US 401 -L- AT -Y7- PHASE III INTERSECTION DETAIL
TMP-26	US 401 -L- AT NC 59 PHASE III INTERSECTION DETAIL
TMP-27	US 401 -L- AT -Y25- PHASE III INTERSECTION DETAIL
TMP-28	US 401 -L- AT FERNCREEK DR PHASE III INTERSECTION DETAIL
TMP-29	US 401 -L- AT -AA- NB RAMPS PHASE III INTERSECTION DETAIL
TMP-30	US 401 -L- AT -Y29- PHASE III INTERSECTION DETAIL
TMP-31	US 401 -L- AT FAIRFIELD RD PHASE III INTERSECTION DETAIL

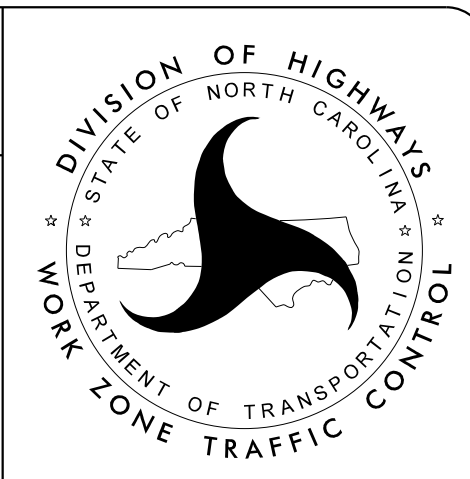
TIP PROJECT: U-4405

4/26/2018
L:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_01.TITLE.dgn
angood



N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 713-2800 FAX: (919) 771-2745

J. E. HUMMER, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
MATT SPRINGER, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
TRAFFIC CONTROL DESIGN ENGINEER



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

BETSY L. WATSON, P.E. SENIOR TRANSPORTATION ENGINEER
JAY WOOLARD, P.E. SENIOR TRANSPORTATION ENGINEER
K. READ GENTRY ENGINEERING DESIGNER

4/26/2018
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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
1101.03	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
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

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

PAVEMENT MARKINGS

- | | |
|--|---------------------|
| | EXISTING LINES |
| | TEMPORARY MARKINGS |
| | 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
- PAVEMENT MARKING SYMBOLS ONLY
- PAVEMENT MARKING ALPHANUMERIC CHARACTERS ONLY

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 |
| | | PORTABLE CONCRETE BARRIER |

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

4/26/2018 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_01A_RDWYSTDSLEGEND.dgn angood

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

DocuSigned by:
J.W. Woolard
19862
4/26/2018
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

DIVISION OF HIGHWAYS
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

ROADWAY STANDARD DRAWINGS, AND LEGEND

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 UNDESIRABLE OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

THIS PROJECT IS DIVIDED IN TO FOUR (4) SECTIONS AS FOLLOWS:

-L- SECTION 1: BEGINNING OF PROJECT TO -Y5- (STRICKLAND BRIDGE RD) [STA. 76+50 -L-]

-L- SECTION 2: -Y5- (STRICKLAND BRIDGE RD) [STA. 76+50 -L-] TO -Y13- (SKIBO RD) [STA. 142+65 -L-]

-L- SECTION 2A: NB -L- FROM STA. 75+60 TO STA. 95+00
 SB -L- FROM STA. 75+60 TO STA. 123+50
 -L- SECTION 2B: NB -L- FROM STA. 95+00 TO STA. 142+65
 SB -L- FROM STA. 123+50 TO STA. 142+65

-L- SECTION 3: -Y13- (SKIBO RD) [STA. 142+65 -L-] TO -Y30- (OWEN DRIVE) [STA. 267+00 -L-]

-L- SECTION 4: -Y30- (OWEN DRIVE) [STA. 267+00 -L-] TO END OF PROJECT

TIME RESTRICTIONS

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

PHASE I, II, AND III RESTRICTIONS
 DO NOT CLOSE TWO (2) TRAVEL LANES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- SECTION 2B	6:00 AM TO 7:00 PM
-L- SECTION 3	MONDAY THRU SUNDAY
-L- SECTION 4	
-Y13- (SKIBO RD.)	

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

FOR ALL ROADS

- 1)FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2)FOR EASTER, BETWEEN THE HOURS OF 6:00 AM THURSDAY AND 7:00 PM MONDAY.
- 3)FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 7:00 PM TUESDAY.
- 4)FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 AM THE DAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY; THEN BETWEEN THE HOURS OF 6:00 AM THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 PM THE TUESDAY AFTER INDEPENDENCE DAY.
- 5)FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 AM FRIDAY TO 7:00 PM TUESDAY.

FOR -L- SECTION 1, -L- SECTION 2, -Y50-, -Y51-, -Y52-, -Y53-, -Y1-, -Y2-, -Y4-, -Y5-, -Y6-, -Y7-, -Y9-, -Y10-, -Y11-, -Y12-

- 1)FOR NEW YEAR*S DAY, BETWEEN THE HOURS OF 6:00 AM DECEMBER 31st TO 7:00 PM JANUARY 2nd. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY, THEN UNTIL 7:00 PM THE FOLLOWING TUESDAY.
- 2)FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 AM TUESDAY TO 7:00 PM MONDAY.
- 3)FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 AM THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 PM THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

FOR -L- SECTION 3, -L- SECTION 4, -Y13-, -Y14-, -Y15-, -Y16-, -Y18-, -Y21-, -Y23-, -Y25-, -Y26-, -Y28-, -Y29-, -Y30-, -Y31-, -Y35-, -Y36-, -Y39-, -Y40-, -Y43-, -Y44-

- 1)FOR CHRISTMAS SEASON, BETWEEN THE HOURS OF 6:00 AM THE TUESDAY BEFORE THANKSGIVING TO 7:00 PM JANUARY 2nd. IF NEW YEAR*S DAY IS ON A FRIDAY, L) SATURDAY, SUNDAY, OR MONDAY, THEN UNTIL 7:00 PM THE FOLLOWING TUESDAY.

C)DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL ROADS	6:00 AM TO 7:00 PM MONDAY THRU SUNDAY	15 MINUTES TRAFFIC SHIFTS

D) DO NOT CONDUCT SINGLE OR MULTIPLE VEHICLE HAULING AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- SECTION 1	6:00 AM TO 7:00 PM
-L- SECTION 3	MONDAY THRU SUNDAY
-L- SECTION 4	

-L- SECTION 2
 6:00 AM TO 9:00 AM
 4:00 PM TO 7:00 PM
 MONDAY THRU SUNDAY

LANE AND SHOULDER CLOSURE REQUIREMENTS

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

G) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.

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

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

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) DO NOT INSTALL MORE THAN 0.5 MILES OF LANE CLOSURE ON RAEFORD RD (-L-) MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.

K) IN PHASES I AND II DO NOT INSTALL MORE THAN 2 SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON RAEFORD RD (-L-). IN PHASE III DO NOT INSTALL MORE THAN 3 SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON RAEFORD RD (-L-).

L) PROVIDE A MINIMUM OF 1 MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE BEGINNING OF THE MERGE TAPER OF THE NEXT LANE CLOSURE.

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

N) BACKFILL AT A 6:1 SLOPE UP TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT IN AREAS ADJACENT TO AN OPEN TRAVEL LANE THAT HAS A 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.


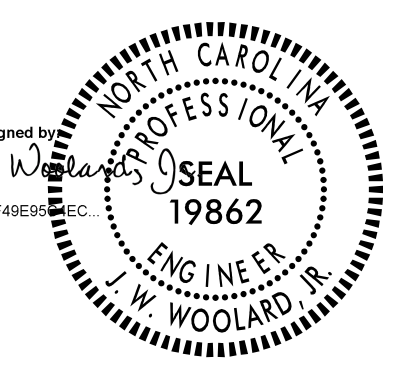

BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.

O) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 500 FT IN ADVANCE AND A MINIMUM OF ONCE EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

4/26/2018
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_01B_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 <i>J.W. Williams</i> 58C02F49E93EC</p>  <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p style="text-align: center;">GENERAL NOTES</p>
---	---	---	--

GENERAL NOTES

SIGNING

- Q) 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.
 - R) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRANSPORTATION MANAGEMENT PLANS.
- AND
- PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRANSPORTATION MANAGEMENT PLANS.
- S) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
 - T) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 500 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

- U) 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.

- V) 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

TRAFFIC CONTROL DEVICES

- W) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH), EXCEPT 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS 1130 (DRUMS), 1135 (CONES) AND 1180 (SKINNY DRUMS) FOR ADDITIONAL REQUIREMENTS.
- X) PLACE TYPE III BARRICADES WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- Y) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS, CONES OR SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON (500 FT) CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

- Z) INSTALL TEMPORARY PAVEMENT MARKINGS ON INTERIM LAYERS OF PAVEMENT AS FOLLOWS:

ROAD NAME	MARKING
ALL ROADS	PAINT
BRIDGES	COLD APPLIED PLASTIC TYPE IV

- AA) 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.
- BB) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- CC) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.
- DD) TRACE THE (EXISTING AND/OR PROPOSED) MONOLITHIC ISLAND LOCATIONS WITH THE PROPER COLOR PAVEMENT MARKING PRIOR TO (REMOVAL AND/OR INSTALLATION). PLACE (DRUMS, CONES, OR TUBULAR MARKERS) TO DELINEATE ANY (EXISTING AND/OR PROPOSED) MONOLITHIC ISLANDS (AFTER REMOVAL AND/OR BEFORE INSTALLATION).

MISCELLANEOUS


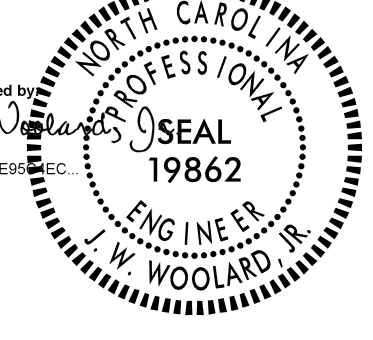
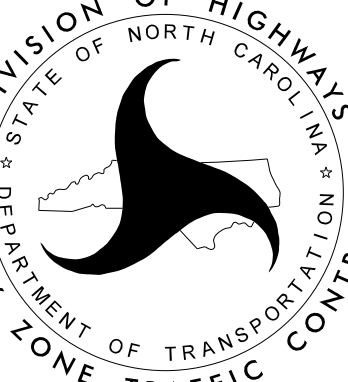
- EE) USE LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND OR INTERSECTIONS AS SHOWN IN PLANS OR DIRECTED BY THE ENGINEER.
- FF) ALL CURB RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- GG) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED IN THE PHASING. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE TEMPORARY SIDEWALKS (CONCRETE, ASPHALT, OR OTHER SUITABLE MATERIAL AS APPROVED BY THE ENGINEER) AT ALL LOCATIONS WHERE THE OPEN PEDESTRIAN TRAVELWAY HAS BEEN REMOVED FOR CONSTRUCTION OPERATIONS (UTILITIES, DRAINAGE, ETC.).
- HH) MAINTAIN VEHICULAR ACCESS TO ALL DRIVEWAYS DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER. USE INCIDENTAL STONE WHEN NECESSARY.
- II) ALL DIMENSIONS AND STATIONS IN THE TRANSPORTATION MANAGEMENT PLAN AND PHASING ARE APPROXIMATE (+/-); FIELD ADJUST AS NECESSARY OR AS DIRECTED BY THE ENGINEER.

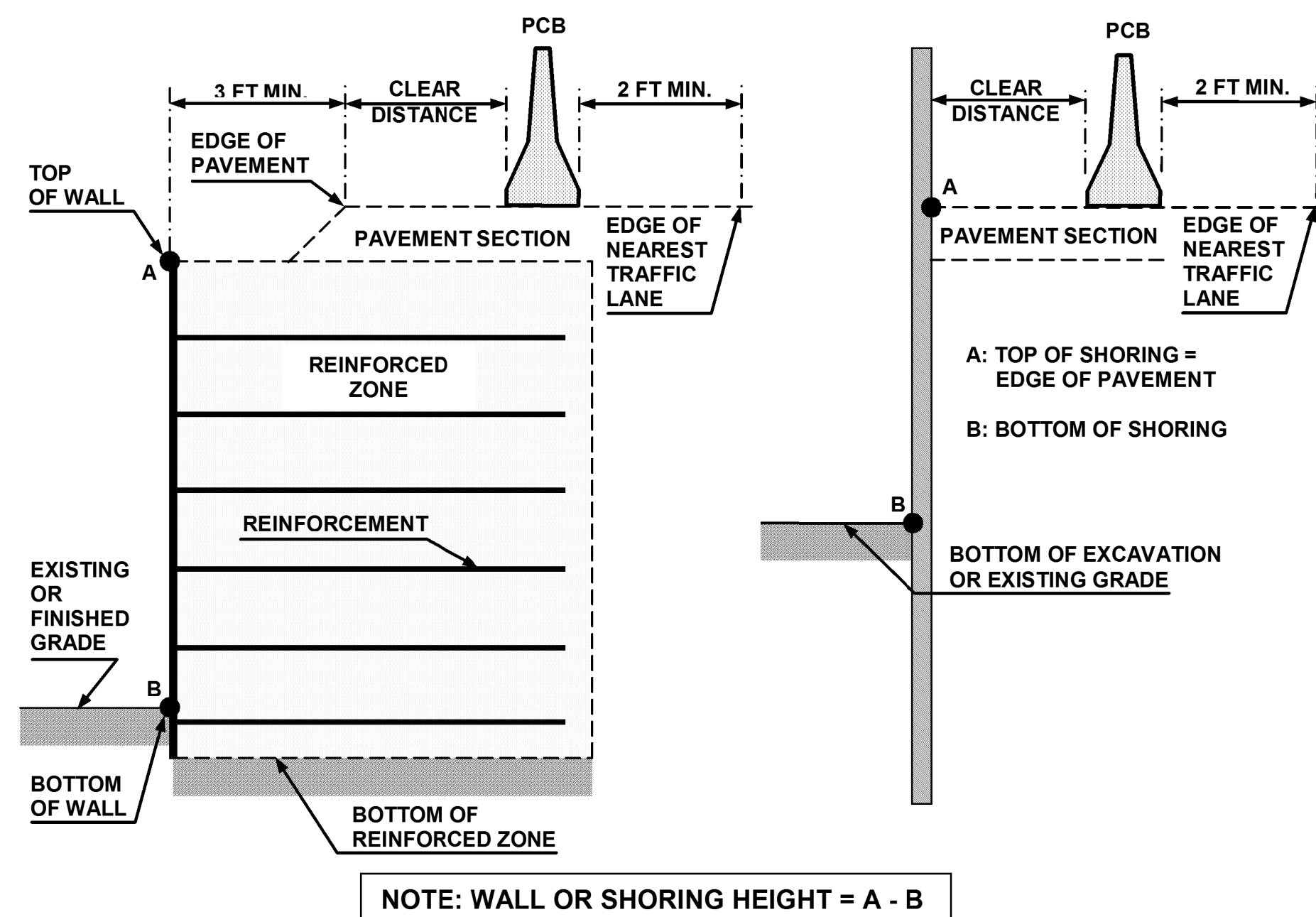
- JJ) USE LAW ENFORCEMENT TO DIRECT TRAFFIC AND ENFORCE ROAD CLOSURES. LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND MAY BE REVISED AS THE OFFICER OR THE ENGINEER DEEM NECESSARY.
- KK) USE LAW ENFORCEMENT TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER. LOCATIONS SHOWN IN THE PLANS ARE APPROXIMATE AND MAY BE REVISED AS THE OFFICER OR THE ENGINEER DEEM NECESSARY.
- LL) COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT PONDING OF WATER WILL NOT OCCUR IN THE TRAVEL LANE.
- MM) ENSURE THE OVERSIZE/OVERWEIGHT PERMIT UNIT (919) 662-4320 HAS BEEN ADVISED OF THE ONGOING TRAFFIC OPERATIONS THROUGH THE DIVISION OFFICE.
- NN) 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.
- OO) 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.
- PP) ANY SIGNAL PUT IN FLASH MODE MUST HAVE LAW ENFORCEMENT PRESENT TO DIRECT TRAFFIC.
- QQ) MAINTAIN ALL EXISTING RAILROAD CROSSING SIGNALS UNTIL NEW RAILROAD CROSSING SIGNALS AND FLASHING LIGHTS ARE INSTALLED AND ACTIVATED.

LOCAL NOTES

- 1) CONTRACTOR MAY PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN AS ALLOWED BY THE ENGINEER. MAKE ADJUSTMENTS AS NEEDED TO MAINTAIN LANE CONTINUITY AS DIRECTED BY THE ENGINEER.

4/26/2018
U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_01C_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: J.W. Woollard 18032F9E9E9E</p>  <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p style="text-align: center;">GENERAL NOTES</p>
--	---	---	--



NOTE: WALL OR SHORING HEIGHT = A - B

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
		44-50	26	26	28	32	35	37
50-56		26	26	28	32	35	38	
>56	26	27	29	32	36	38		
Anchored PCB	Asphalt	All Offsets	24 for All Design Speeds					
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets	12 for All Design Speeds					

* See Figure Below

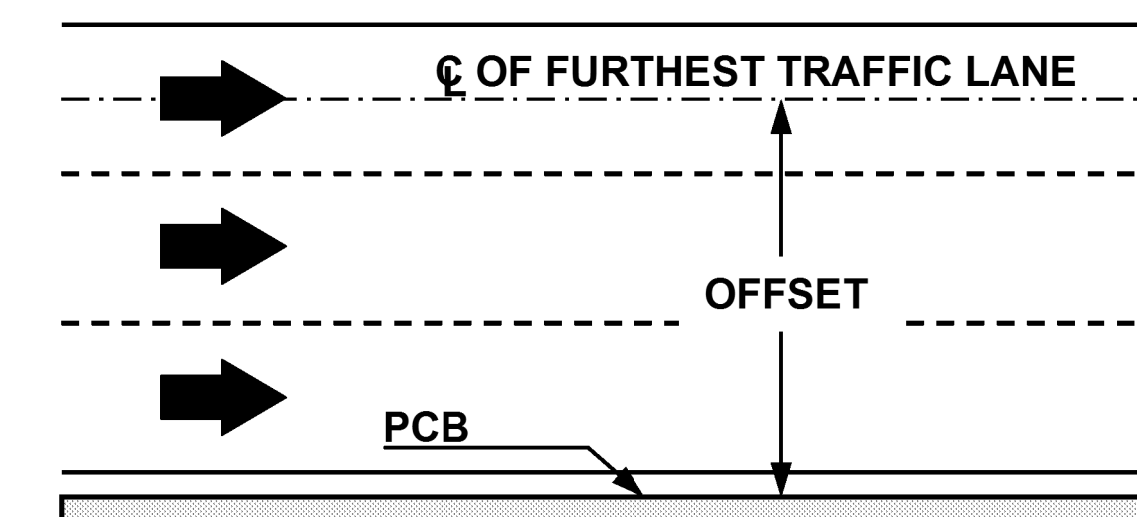
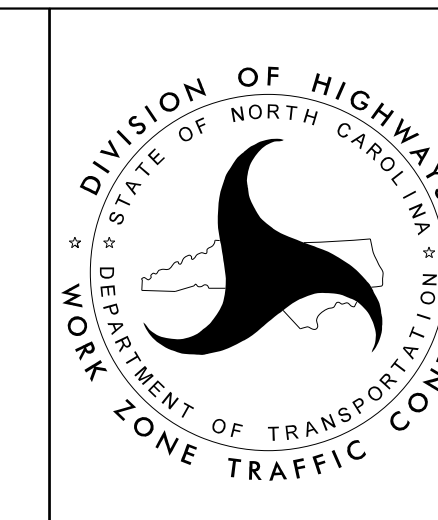


FIGURE B

DETAIL PROVIDED BY NCDOT



PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS

SEE SHEET TMP-4

TEMPORARY SHORING LOCATION NO. 01 ESTIMATED QUANTITY = 2145.0 SF

-L- STA. 137+28±, 50'± RT TO -L- STA. 138+71±, 50'± RT
 LENGTH=143' AVERAGE HEIGHT = 15.0 FT MAXIMUM HEIGHT = 15.7 FT

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 STATION -L- 137+28±, 50' RT, TO STATION
 -L- 138+71±, 50' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
 GROUNDWATER ELEVATION:
 UNIT WEIGHT, (γ) = 120 LB/CF
 FRICTION ANGLE, (ϕ) = 30 DEGREES
 COHESION, (c) = 0 LB/SF
 GROUNDWATER ELEVATION = 136.0 FT

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-
 137+28±, 50' RT, TO STATION -L- 138+71±, 50' RT.

SEE SHEET TMP-4

TEMPORARY SHORING LOCATION NO. 02 ESTIMATED QUANTITY = 1602.3 SF

-L- STA. 137+14±, 50'± LT TO -L- STA. 138+61±, 50'± LT
 LENGTH=147' AVERAGE HEIGHT = 10.9 FT MAXIMUM HEIGHT = 14.5 FT

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

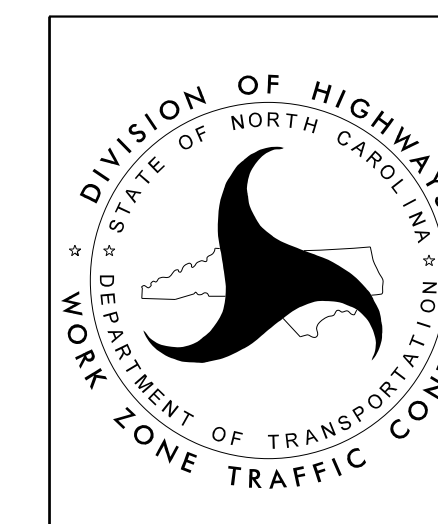
BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY
 EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO
 DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 137+14±, 50' LT, TO STATION
 -L- 138+61±, 50' LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
 GROUNDWATER ELEVATION:
 UNIT WEIGHT, (γ) = 120 LB/CF
 FRICTION ANGLE, (ϕ) = 30 DEGREES
 COHESION, (c) = 0 LB/SF
 GROUNDWATER ELEVATION = 139.0 FT

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-
 137+14±, 50' LT, TO STATION -L- 138+61±, 50' LT.

4/26/2018
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_02A_TEMPORARY_SHORING_NOTES.dgn
 angood

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE
 GEOTECHNICAL ENGINEER. THE DOCUMENT WAS SUBMITTED TO THE EASTERN WZTC ENGINEER ON
 SEPTEMBER 13, 2017 AND SEALED BY A PROFESSIONAL ENGINEER, THEIN TUN ZAN, LICENSE #030943.

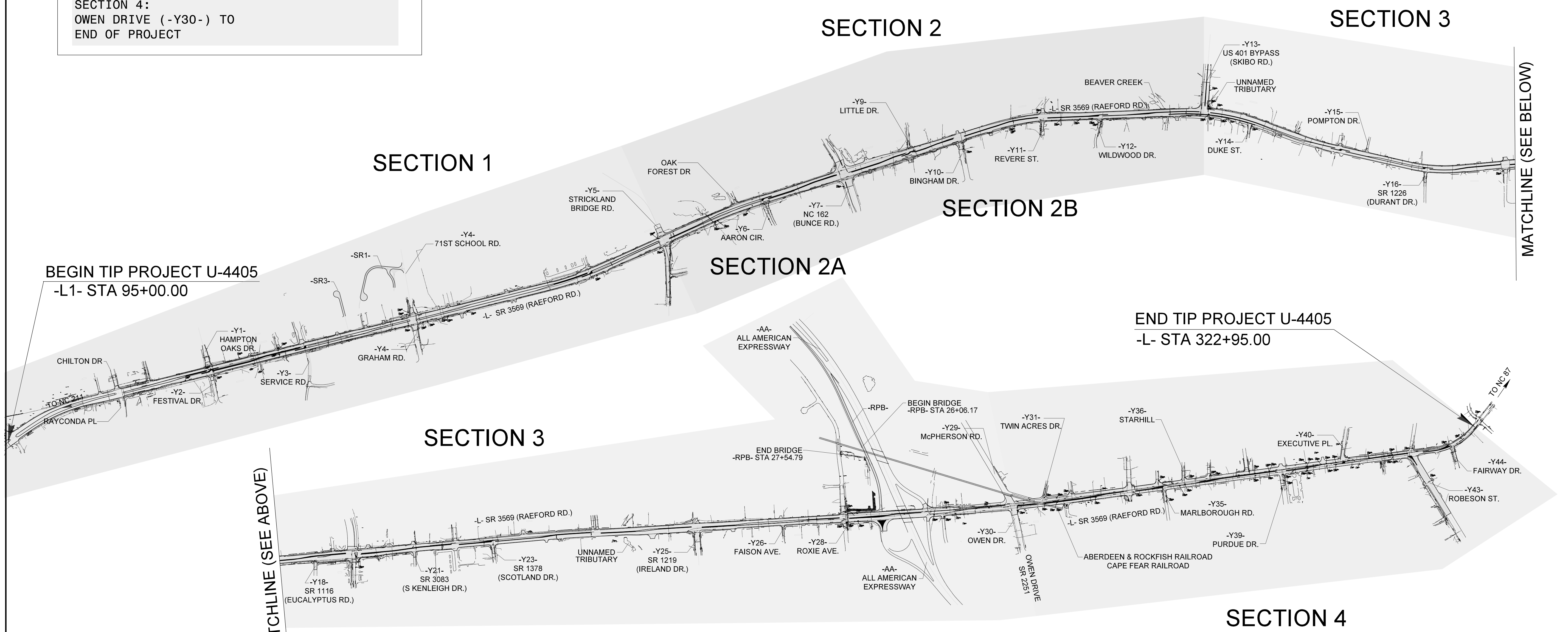
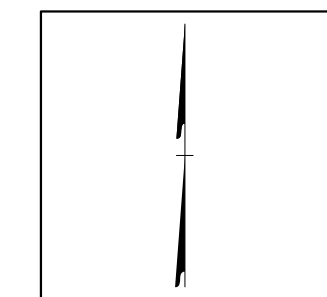


TEMPORARY
 SHORING
 NOTES

SECTION DESIGNATIONS

- SECTION 1:**
BEGINNING OF PROJECT TO
STRICKLAND BRIDGE ROAD (-Y5-)
- SECTION 2:**
STRICKLAND BRIDGE ROAD (-Y5-)
TO SKIBO ROAD (-Y13-)
2A: NB -L- STA. 75+60 TO STA. 95+00
SB -L- STA. 75+60 TO STA. 123+50
2B: NB -L- STA. 95+00 TO STA. 142+65
SB -L- STA. 123+50 TO STA. 142+65
- SECTION 3:**
SKIBO ROAD (-Y13-) TO
OWEN DRIVE (-Y30-)
- SECTION 4:**
OWEN DRIVE (-Y30-) TO
END OF PROJECT

PROJ. REFERENCE NO.	SHEET NO.
U-4405	TMP-2B



BEGIN TIP PROJECT U-4405
-L1- STA 95+00.00

END TIP PROJECT U-4405
-L- STA 322+95.00

MATCHLINE (SEE ABOVE)

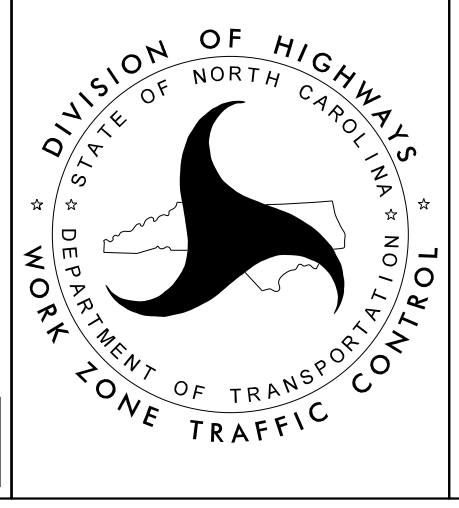
MATCHLINE (SEE BELOW)

8/7/2018 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP-02B_TIME RESTRICTION_DETAIL.dgn jwoolard

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

8/7/2018

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



**SECTION
AND
TIME RESTRICTION
DETAIL**

PHASE I

STEP 1:

USING RSD 1101.01 INSTALL ADVANCE WARNING SIGNS ON -L- AND ALL -Y- LINES.

CHANGE SPEED LIMIT SIGNS TO 45 MPH AT THE BEGINNING OF THE PROJECT PER THE SPEED ORDINANCE AND AS SHOWN IN THE SIGNING PLANS.

STEP 2:

CONTRACTOR MAY BEGIN THE FOLLOWING:

-PLACE PCB ON ALL AMERICAN EXPRESSWAY FROM STA. 59+50+/- -AA- TO STA. 74+50+/- -AA- AS SHOWN ON TMP-5.

-CONSTRUCTION OF RAMP B (-RPB-), INCLUDING PROPOSED GUARDRAIL, NOISE WALLS AND PROPOSED STRUCTURE, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 74+23+/- -AA- TO STA. 10+00+/- -RPB- AND FROM STA. 10+00+/- -RPB- TO STA. 34+00+/- -RPB-.

STEP 3:

A) USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEET TMP-7, 8 & 9, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM BEGINNING OF PROJECT TO STA. 76+50 -L- (STRICKLAND BRIDGE RD.):

-RIGHT SIDE OF -L- SECTION 1, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)

USING FLAGGERS AND RSD 1101.02, CONSTRUCT ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

-USING FLAGGERS AND RSD 1101.02 AS NEEDED, BEGIN -SR1- AND -SR3-

NOTE: -SR1- AND -SR3- MUST BE CONSTRUCTED DURING SUMMER MONTHS, AND CONTRACTOR SHALL COORDINATE CONSTRUCTION OF THESE SERVICE ROADS WITH SCHOOL OFFICIALS. [SEE PROJECT SPECIAL PROVISIONS]

--Y2- AND -Y3-, SOUTH SIDE OF -Y4- AND THE SOUTH SIDE OF -Y5- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.

USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 54" PIPE ACROSS -Y4-.

-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN 8:00 PM AND 5:00 AM MONDAY THROUGH SUNDAY.

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

NOTE: CONSTRUCT PHASE I, STEP 3B IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY) [SEE PROJECT SPECIAL PROVISIONS]

B) CONSTRUCT RIGHT SIDE OF 66" RCP AT STA. 46+71+/- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

STEP 4:

A) USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-7, 8 & 9, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM STA. 76+50 -L- TO STA. 142+65 -L- (STRICKLAND BRIDGE RD. TO SKIBO RD.):

-RIGHT SIDE OF -L- SECTION 2, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)

USING FLAGGERS AND RSD 1101.02, CONSTRUCT ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

--Y6-, SOUTH SIDE OF -Y7-, -Y10-, -Y11-, AND -Y12- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.

-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOURS:
MONDAY - THURSDAY 10:00PM TO 6:00AM
FRIDAY AT 10:00PM TO MONDAY AT 6:00AM

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

NOTE: CONSTRUCT PHASE I, STEP 4B IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY) [SEE PROJECT SPECIAL PROVISIONS]

B) CONSTRUCT RIGHT SIDE OF 42" RCP AT STA. 78+25+/- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

STEP 5:

A) USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-7, 8 & 9, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM STA. 142+65 -L- TO STA. 267+00 -L- (SKIBO RD. TO OWEN DR.):

-RIGHT SIDE OF -L- SECTION 3, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1) (SEE TMP-12)

ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

-Y14-, -Y16-, -Y18-, -Y21-, -Y23-, -Y25-, -Y 26-, -Y28- AND -Y30- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.

1. USING A ROAD CLOSURE AS SHOWN ON TMP-10, CLOSE -Y18- AT -L- AND CONSTRUCT THE 48" PIPE ACROSS -Y18- IN 58 CONSECUTIVE HOURS FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY (SEE PROJECT SPECIAL PROVISIONS).

2. USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 42" PIPE ACROSS HOPE MILLS ROAD IN A CONTINUOUS MANNER.

3. USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 42" PIPE ACROSS -Y23- IN A CONTINUOUS MANNER.

4. USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 54" PIPE ACROSS -Y25- IN A CONTINUOUS MANNER.

5. USING A ROAD CLOSURE AS SHOWN ON TMP-11, CLOSE -Y26- AT -L- AND CONSTRUCT THE 48" PIPE ACROSS -Y26- IN 58 CONSECUTIVE HOURS FROM 9:00 PM FRIDAY TO 5:00 AM MONDAY (SEE PROJECT SPECIAL PROVISIONS).

6. USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 42" PIPE ACROSS -Y28- IN A CONTINUOUS MANNER.

-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOUSE:
MONDAY - THURSDAY 10:00PM TO 6:00AM
FRIDAY AT 10:00PM TO MONDAY AT 6:00AM

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

NOTE: COMPLETE PHASE I, STEP 5B IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY). [SEE SPECIAL PROVISIONS]

B) CONSTRUCT RIGHT SIDE OF 48" RCP AT STA. 176+83+/- -L- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.

NOTE: COMPLETE PHASE I, STEP 5C IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY). [SEE SPECIAL PROVISIONS]

C) CONSTRUCT RIGHT SIDE OF 48" RCP AT STA. 181+34+/- -L- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.

STEP 6:

-USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-7, 8 & 9, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM STA. 267+00 -L- TO STA. 324+00 -L- (OWEN DR. TO END OF PROJECT):

-RIGHT SIDE OF -L- SECTION 4, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)

-ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

-FAIRFIELD RD, -Y35-, -Y39-, FORSYTHE DR, -Y43-, AND -Y44- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.

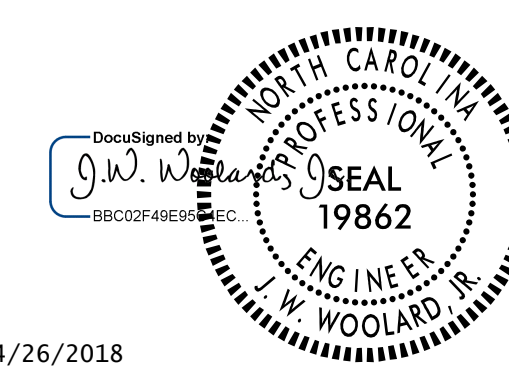
-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOURS:
MONDAY - THURSDAY 10:00PM TO 6:00AM
FRIDAY AT 10:00PM TO MONDAY AT 6:00AM

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

4/26/2018 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP-03_PHASEI.dgn angood

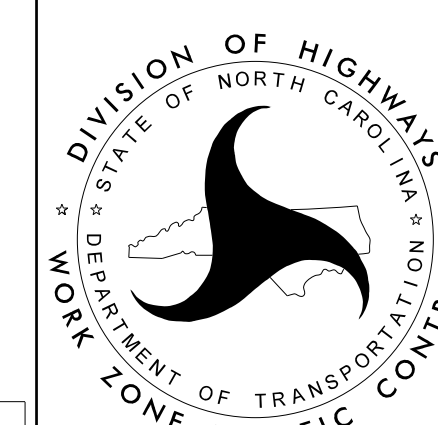


Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. 919.851.6866
Fax. 919.851.7024
www.stantec.com
License No. F-0672



4/26/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TEMPORARY TRAFFIC CONTROL PHASING

PHASE II & III

PROJ. REFERENCE NO. U-4405	SHEET NO. TMP-3A
-------------------------------	---------------------

PHASE II STEP 1

A) USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-7, 8 & 9, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM BEGINNING OF PROJECT TO STA. 76+50 -L- (STRICKLAND BRIDGE RD.):

-LEFT SIDE OF -L- SECTION 1, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)

-USING FLAGGERS AND RSD 1101.02 AS NEEDED, COMPLETE -SR1- AND -SR3- STARTED IN PHASE I STEP 3.

NOTE: -SR1- AND -SR3- MUST BE CONSTRUCTED DURING SUMMER MONTHS, AND CONTRACTOR SHALL COORDINATE CONSTRUCTION OF THESE SERVICES ROADS WITH SCHOOL OFFICIALS. [SEE PROJECT SPECIAL PROVISIONS]

-USING FLAGGERS AND RSD 1101.02, CONSTRUCT ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

--Y50-, -Y51-, -Y52-, -Y53-, -Y1-, NORTH SIDE OF -Y4- AND THE NORTH SIDE OF -Y5- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)

1. USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 54" PIPE ACROSS NORTH SIDE OF -Y5-.

-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOURS:
MONDAY - THURSDAY 10:00PM TO 6:00AM
FRIDAY AT 10:00PM TO MONDAY AT 6:00AM

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

NOTE: CONSTRUCT PHASE II, STEP 1B IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY) [SEE PROJECT SPECIAL PROVISIONS]

B) CONSTRUCT LEFT SIDE OF 66" RCP AT STA. 46+71+/- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

STEP 2

A) USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-7 & 8, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM STA. 76+50 -L- TO STA. 142+65 -L- (STRICKLAND BRIDGE RD. TO SKIBO RD.):

-LEFT SIDE OF -L- SECTION 2, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)

-USING FLAGGERS AND RSD 1101.02, CONSTRUCT ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

-USING FLAGGERS AND RSD 1101.02 AS NEEDED, CLOSE ONE SIDE OF ENTRANCE TO OAK FOREST DRIVE AT A TIME TO CONSTRUCT 48" PIPE ACROSS OAK FOREST DRIVE.

-LEFT SIDE OF -Y7-, -Y9-, -Y11-, AND -Y13- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1)

-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOURS:
MONDAY - THURSDAY 10:00PM TO 6:00AM
FRIDAY AT 10:00PM TO MONDAY AT 6:00AM

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

NOTE: CONSTRUCT PHASE II, STEP 2B IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY) [SEE PROJECT SPECIAL PROVISIONS]

B) CONSTRUCT LEFT SIDE OF 42" RCP AT STA. 78+25+/- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

STEP 3

A) USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-7, 8 & 9, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM STA. 142+65 -L- TO STA. 267+00 -L- (SKIBO RD. TO OWEN DR.):

-LEFT SIDE OF -L- SECTION 3, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1) (SEE TMP-12 & 13)

ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

-Y15- AND -Y29- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.

1. USING LANE CLOSURES, RSD 1101.02 AND LAW ENFORCEMENT AS NEEDED, CONSTRUCT 54" PIPE ACROSS LAFAYETTE FORD LINCOLN ENTRANCE IN A CONTINUOUS MANNER.

-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOURS:
MONDAY - THURSDAY 10:00PM TO 6:00AM
FRIDAY AT 10:00PM TO MONDAY AT 6:00AM

-COMPLETE CONSTRUCTION STARTED IN PHASE I, STEP 2.

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

NOTE: CONSTRUCT PHASE II, STEP 3B IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY) [SEE PROJECT SPECIAL PROVISIONS]

B) CONSTRUCT LEFT SIDE OF 48" RCP AT STA. 176+83+/- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

NOTE: CONSTRUCT PHASE II, STEP 3C IN 58 CONSECUTIVE HOURS (9:00 PM FRIDAY TO 5:00 AM MONDAY) [SEE PROJECT SPECIAL PROVISIONS]

C) CONSTRUCT LEFT SIDE OF 48" RCP AT STA. 181+34+/- TO THE MEDIAN IN A CONTINUOUS OPERATION USING LANE CLOSURES AND RSD 1101.02.

STEP 4

USING TEMPORARY LANE CLOSURES AND RSD 1101.02, REMOVE PCB ON ALL AMERICAN EXPRESSWAY, PLACE TEMPORARY MARKINGS ON NEW RAMP B, INSTALL ANY PERMANENT SIGNING ON ALL AMERICAN FREEWAY, AND OPEN RAMP B TO TRAFFIC.

STEP 5

USING TEMPORARY LANE CLOSURES, THE DETAILS ON SHEETS TMP-7 & 8, AND RSD 1101.02, CONSTRUCT THE FOLLOWING FROM STA. 267+00 -L- TO STA. 324+00 -L- (OWEN DR. TO END OF PROJECT):

-LEFT SIDE OF -L- SECTION 4, INCLUDING WATER AND SEWER LINES, DRAINAGE, CURB & GUTTER, SIDEWALK, AND PAVEMENT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. ADJUST ANY SIGNALS AS NEEDED (SEE SIGNAL PLANS). WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE. (SEE LOCAL NOTE 1) (SEE TMP-14)

-ALL DRIVEWAY TIE-INS, INCLUDING DRAINAGE, IN A CONTINUOUS MANNER WHILE MAINTAINING ACCESS AT ALL TIMES.

-FAIRFIELD RD, -Y31-, -Y36-, AND -Y40- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. WEDGE EXISTING PAVEMENT AS NECESSARY TO MAINTAIN TRAFFIC AND ACCOMMODATE DRAINAGE.

-USING FLAGGERS AND RSD 1101.02, CONSTRUCT 42" PIPE ACROSS -Y40-

-ALL CROSS-PIPES 36" OR LESS IN HALF SECTIONS USING LANE CLOSURES AS NEEDED BETWEEN THE FOLLOWING HOURS:
MONDAY - THURSDAY 10:00PM TO 6:00AM
FRIDAY AT 10:00PM TO MONDAY AT 6:00AM

-USING THE DETAIL ON TMP-6, CLOSE EXISTING SIDEWALK AND DETOUR PEDESTRIANS TO THE SIDEWALK ON THE OTHER SIDE OF -L-.

PHASE III

STEP 1

CONTRACTOR MAY BEGIN THE FOLLOWING:

USING RSD 1101.02 (SHEETS 3 AND 7 OF 15) AND THE DETAILS ON TMP-15, 16 & 17, CLOSE THE INSIDE LANE IN EACH DIRECTION AND CONSTRUCT:

(NOTE: PLACE TRAFFIC BACK IN THE ORIGINAL TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD.)

-1'-6" CURB & GUTTER OR MONOLITHIC CONCRETE ISLANDS AND PROPOSED DRAINAGE AS SHOWN IN THE CONSTRUCTION PLANS FROM:
-BEGINNING OF PROJECT TO STA. 137+70+/- -L-
-STA. 148+88+/- -L- TO STA. 324+00+/- -L-
(SEE TMP-23 THROUGH TMP-31)

STEP 2

USING RSD 1101.02 (SHEET 7 OF 14), PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL DEVICES ON -L- AS SHOWN ON SHEETS TMP-18 THROUGH TMP-20 FROM STA. 130+75+/- TO STA. 150+50+/-.

SHIFT TRAFFIC TO THE NEW PATTERN AND CONSTRUCT THE MEDIAN ISLANDS AS SHOWN ON SHEETS TMP-18 THROUGH TMP-20.

STEP 3

USING RSD 1101.02 (SHEETS 3 AND 7 OF 15) PLACE TEMPORARY PAVEMENT MARKINGS IN FINAL PATTERN (SEE PMP)

SHIFT TRAFFIC TO THE NEW PATTERN AND USING THE DETAILS ON TMP-15, 16 & 17, CLOSE THE INSIDE LANES ON EACH SIDE OF THE PROPOSED ISLAND AND CONSTRUCT THE MONOLITHIC CONCRETE ISLAND FROM STA. 137+70+/- -L- TO STA. 148+88+/- -L- AS SHOWN ON SHEETS TMP-21 AND TMP-22.

STEP 4

COMPLETE THE WORK STARTED IN PHASE III, STEP 1.


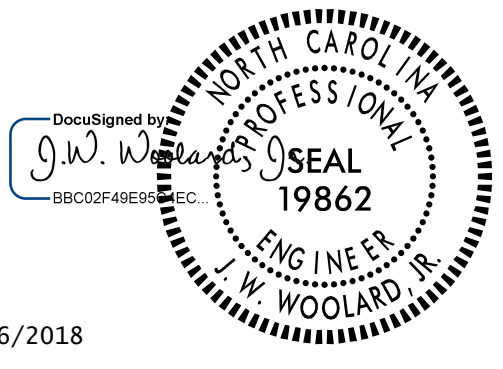
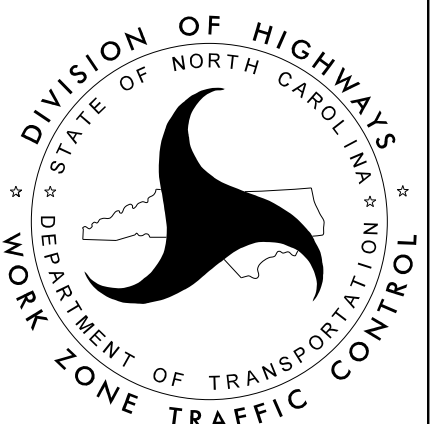
STEP 5

USING RSD 1101.02 (SHEETS 3 AND 7 OF 15), PLACE THE FINAL LAYER OF SURFACE COURSE, FINAL PAVEMENT MARKINGS, AND PAVEMENT MARKERS ON -L- AND ALL -Y- LINES THROUGHOUT THE PROJECT. MAKE ANY FINAL ADJUSTMENTS NEEDED TO THE PROPOSED SIGNALS.

STEP 6

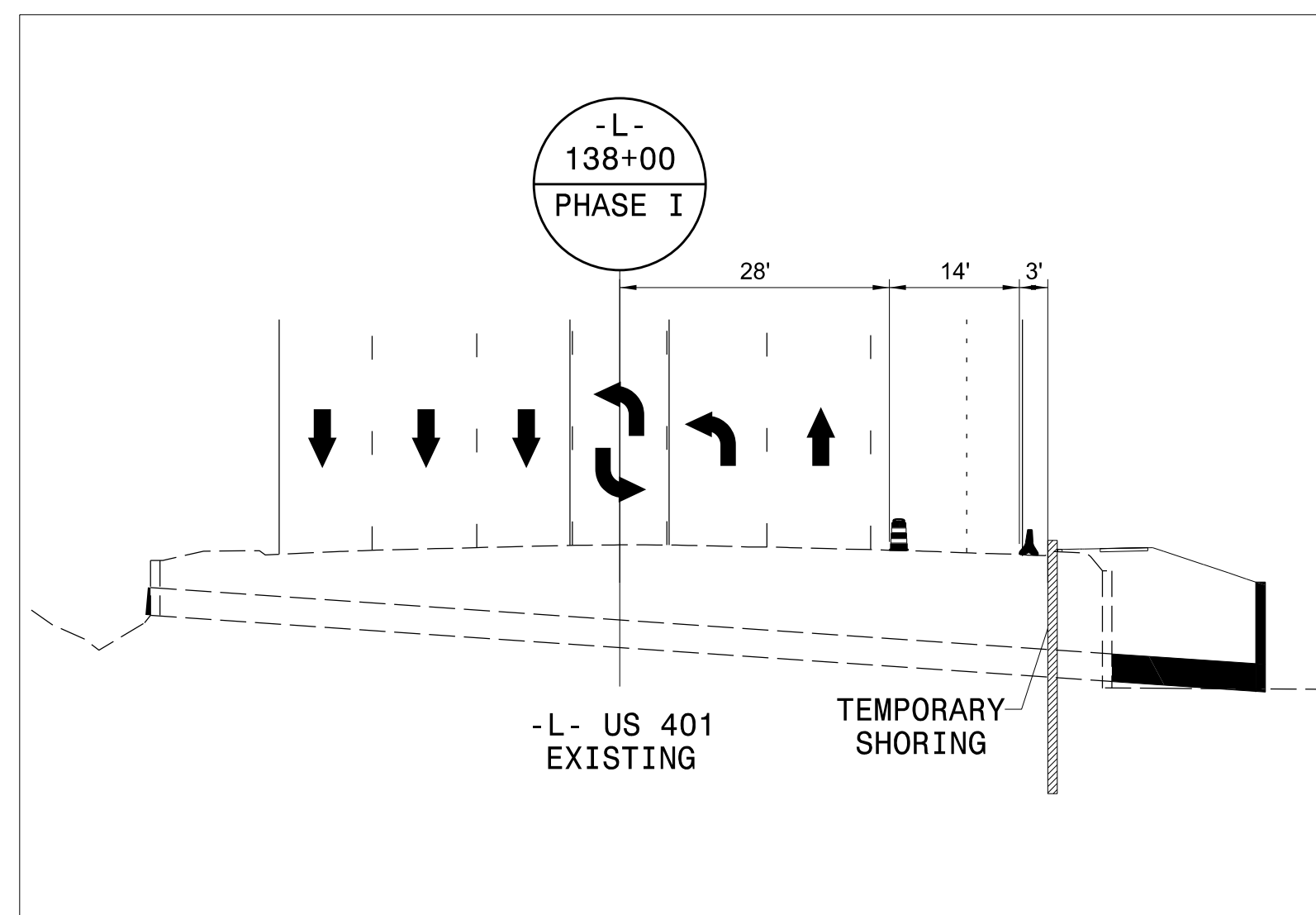
REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN THE PROJECT TO THE FINAL TRAFFIC PATTERN.

4/26/2018
L:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405-TMP-03A-PHASING.dgn
angood

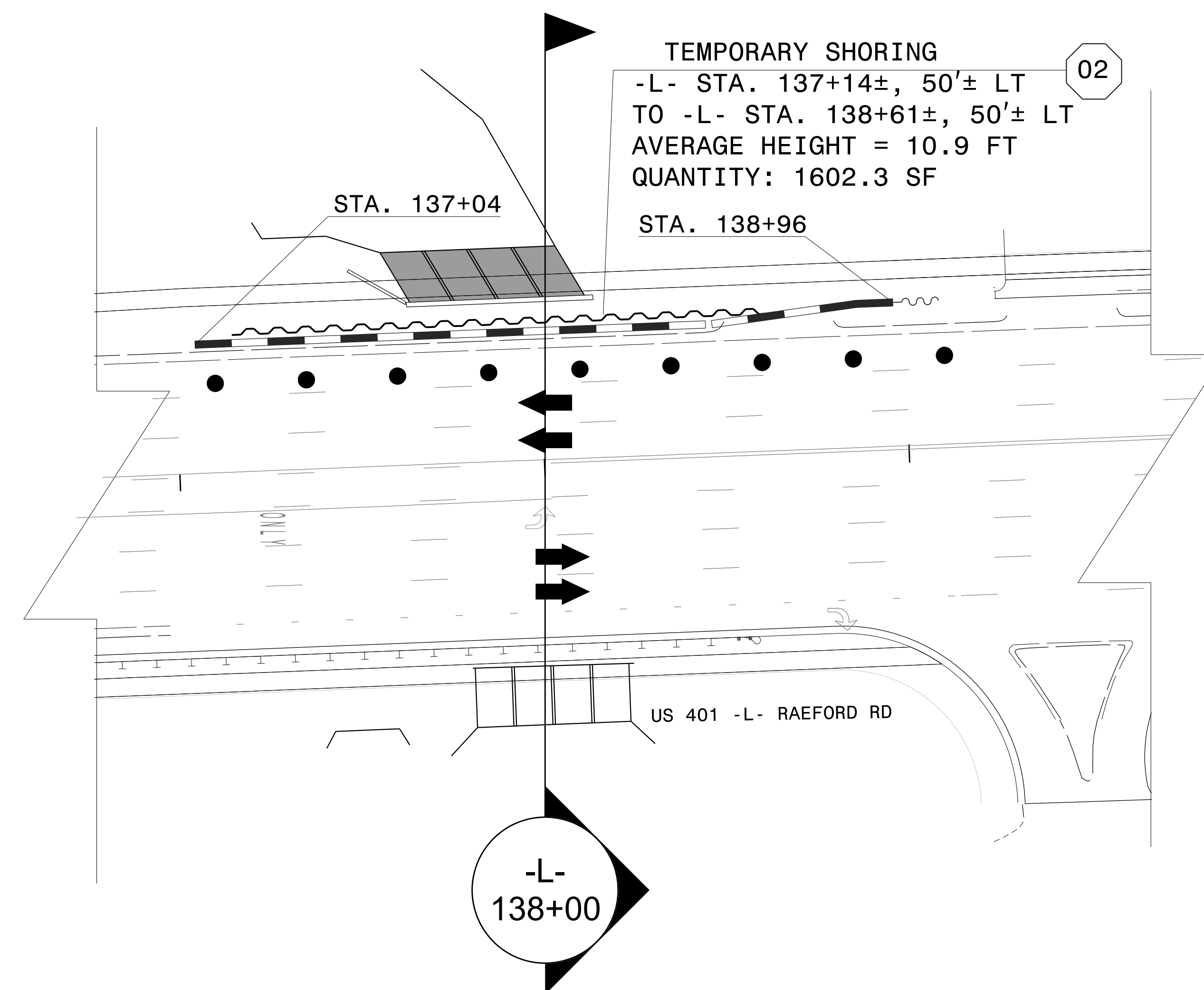
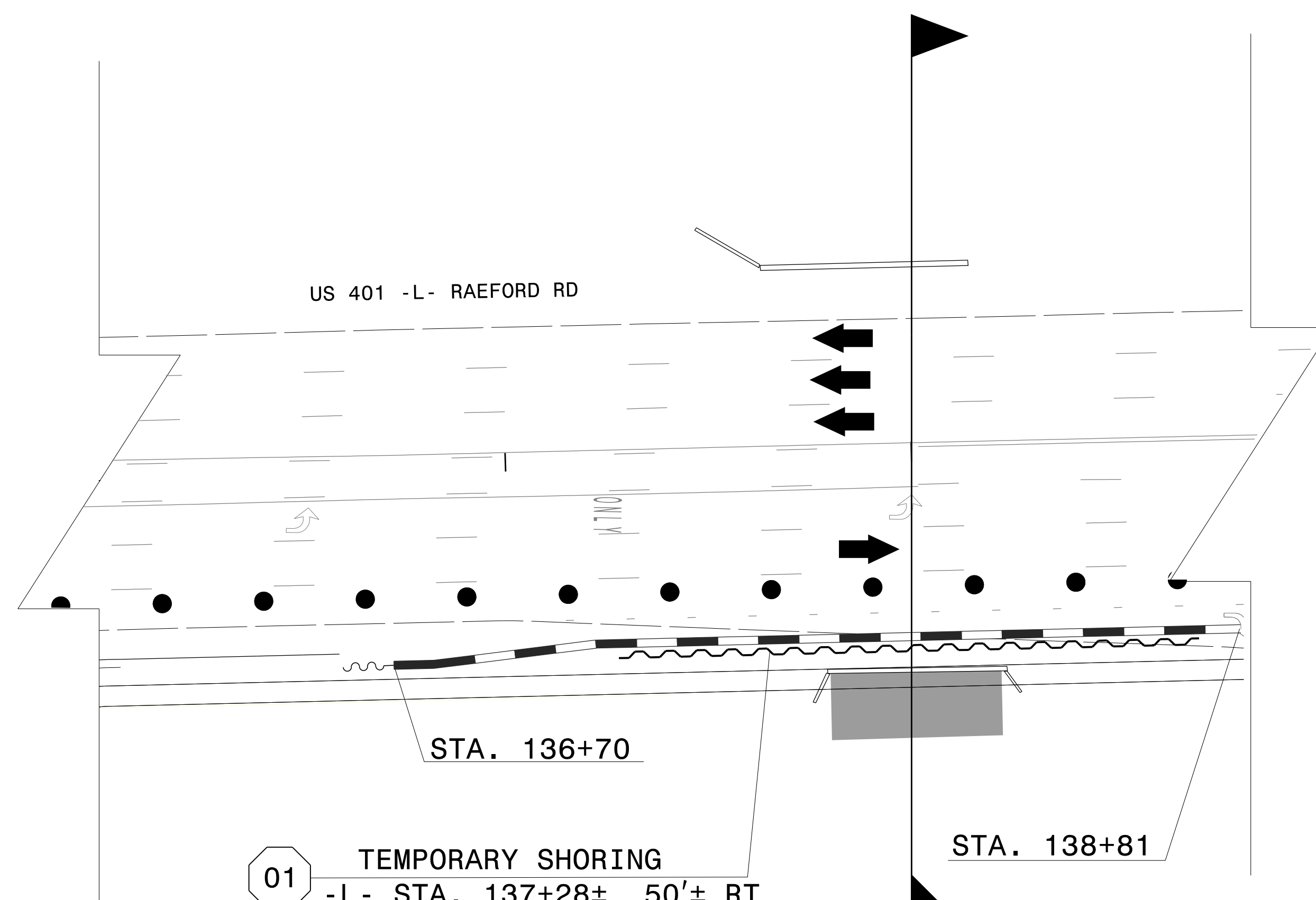
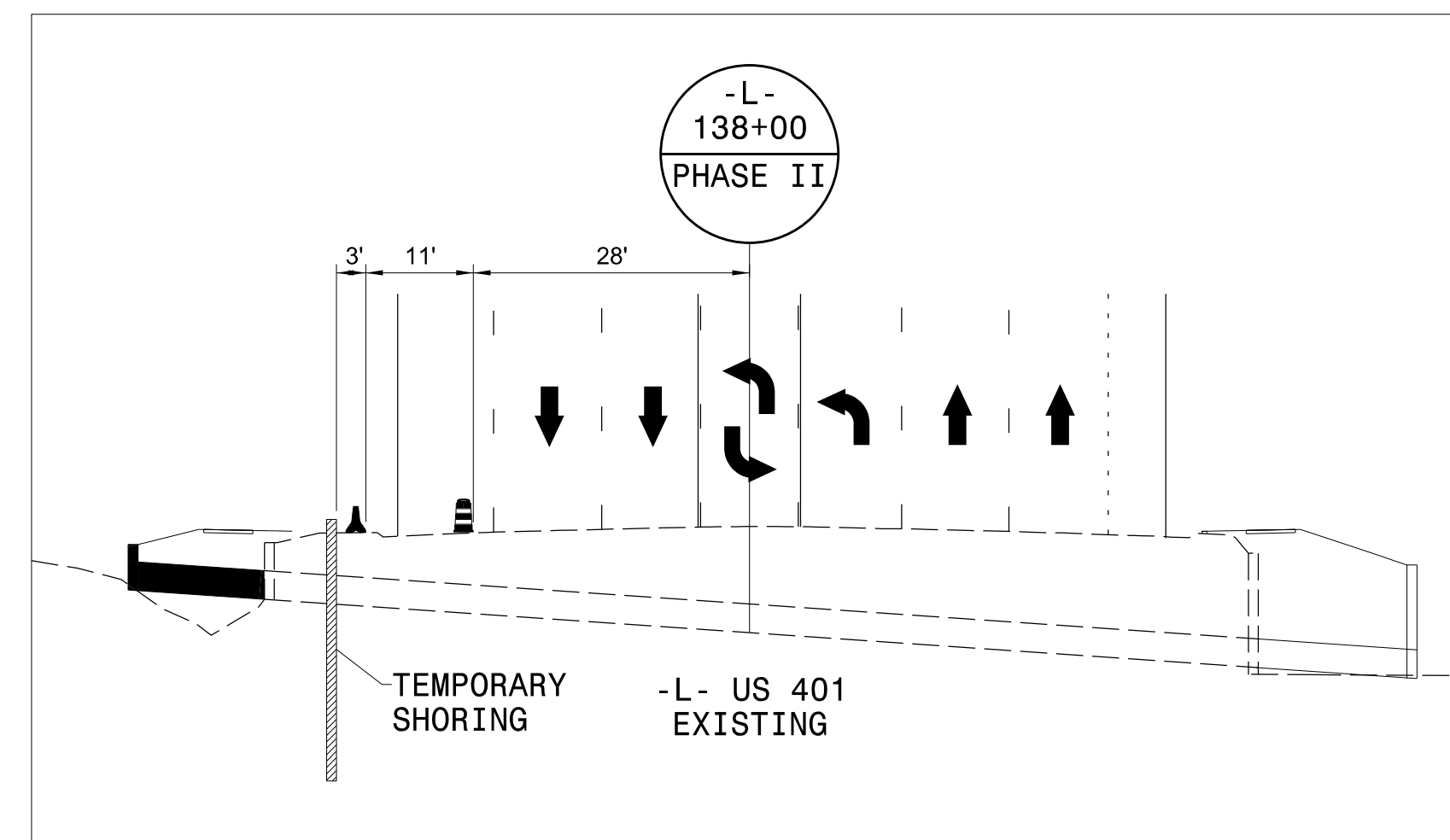
 Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672	 4/26/2018 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		<h2 style="margin: 0;">TEMPORARY TRAFFIC CONTROL PHASING</h2>
---	--	---	---

PROJ. REFERENCE NO.	SHEET NO.
U-4405	TMP-4

PHASE I CULVERT SHORING PLACEMENT
-L- RAEFORD RD
STA. 138+00



PHASE II CULVERT SHORING PLACEMENT
-L- RAEFORD RD.
STA. 138+00



4/26/2018
U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_04_CULVERT_SHORING_DETAIL.dgn
angood

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

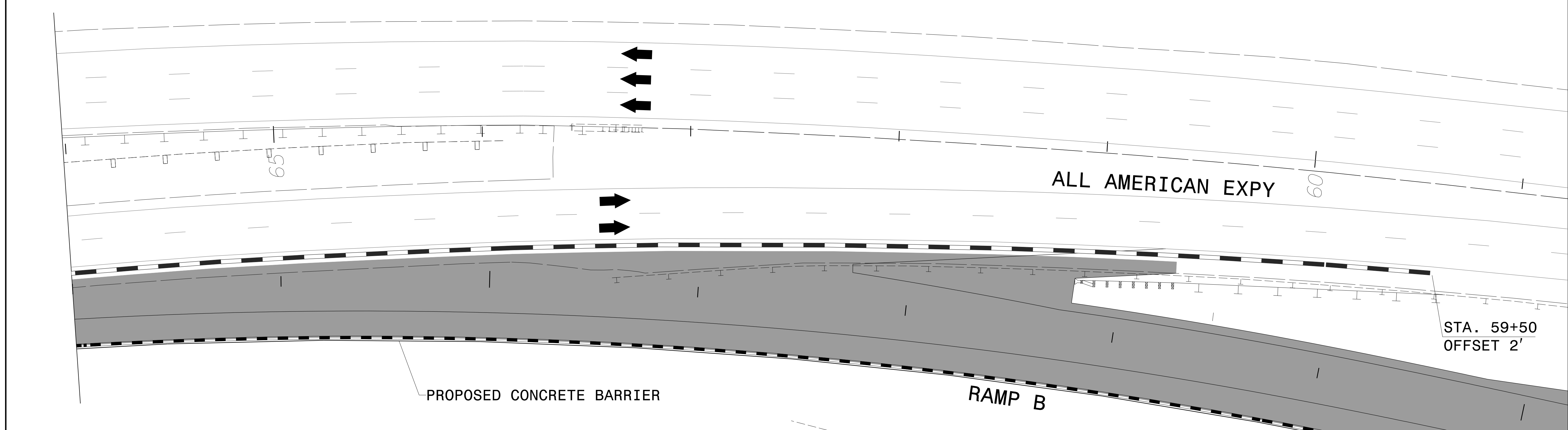
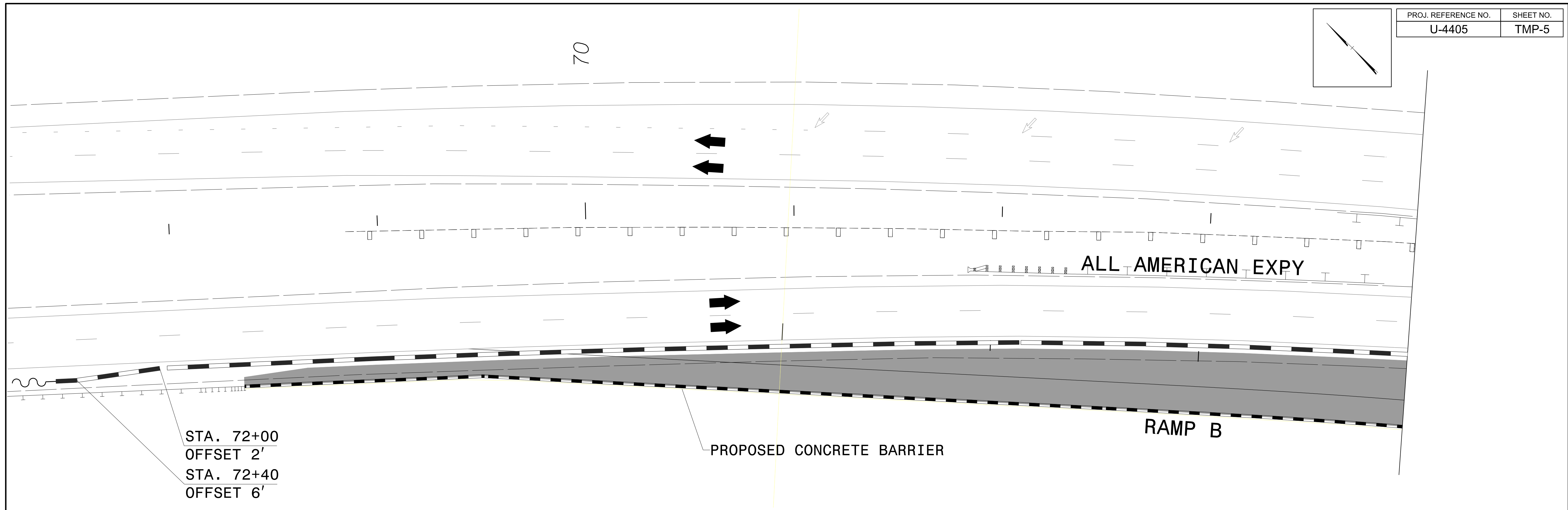
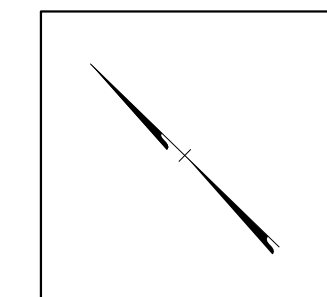
DocuSigned by:
J.W. Woolard
PROFESSIONAL SEAL
19862
ENGINEER
J. W. WOOLARD, P.E.

4/26/2018

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

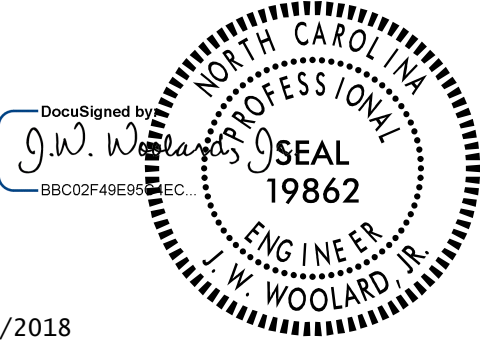
CULVERT SHORING DETAIL

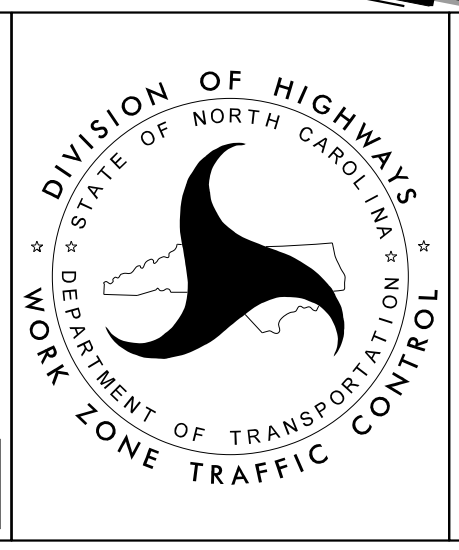
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



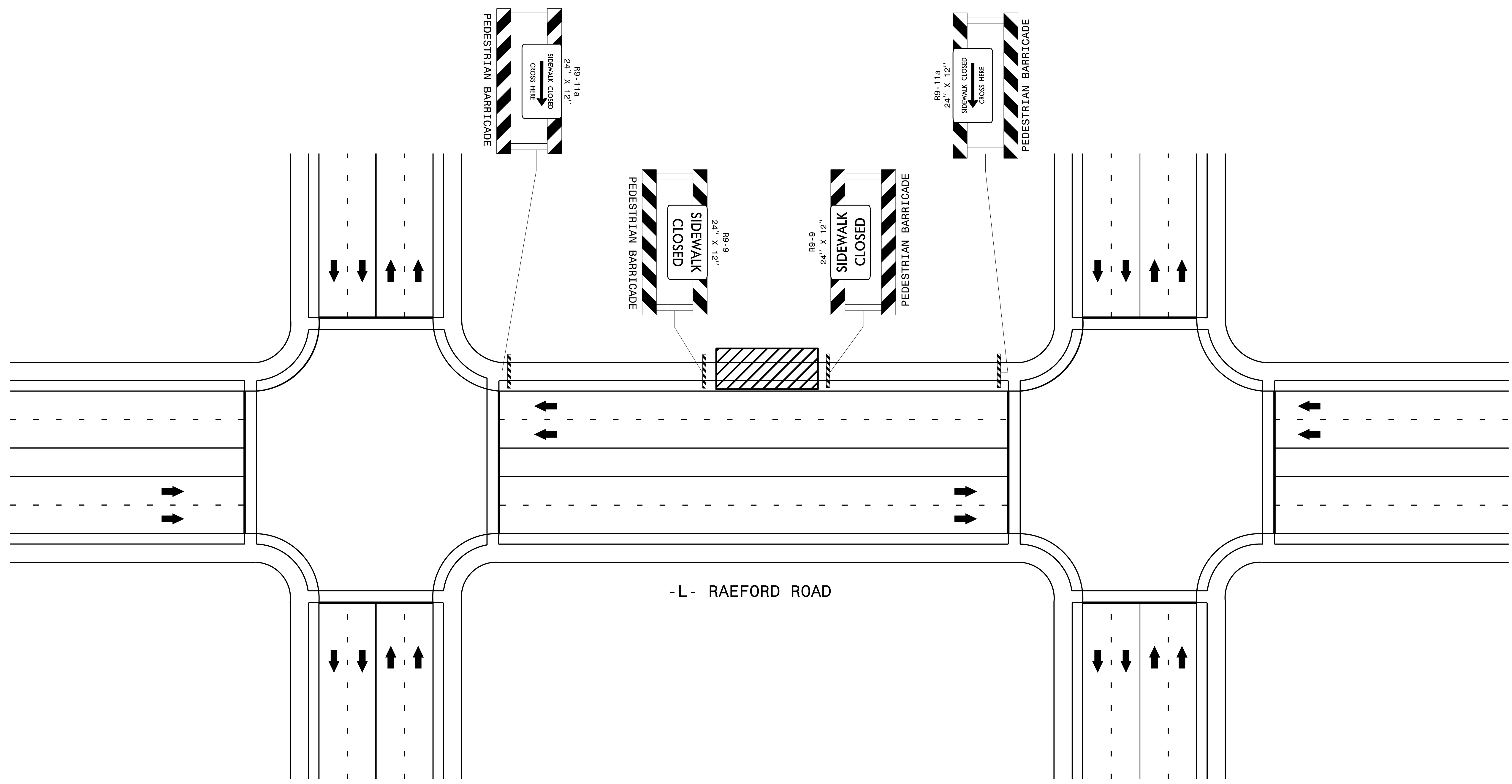
4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_05_RAMP_B_DETAIL.dgn
 angood


 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

4/26/2018

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



**RAMP B EXPRESSWAY TIE-IN
 BARRIER DETAIL**



-L- RAEFORD ROAD

NOTES

1. USE MIRROR IMAGE IF SIDEWALK ON THE OTHER SIDE OF -L- (RAEFORD RD.) IS CLOSED

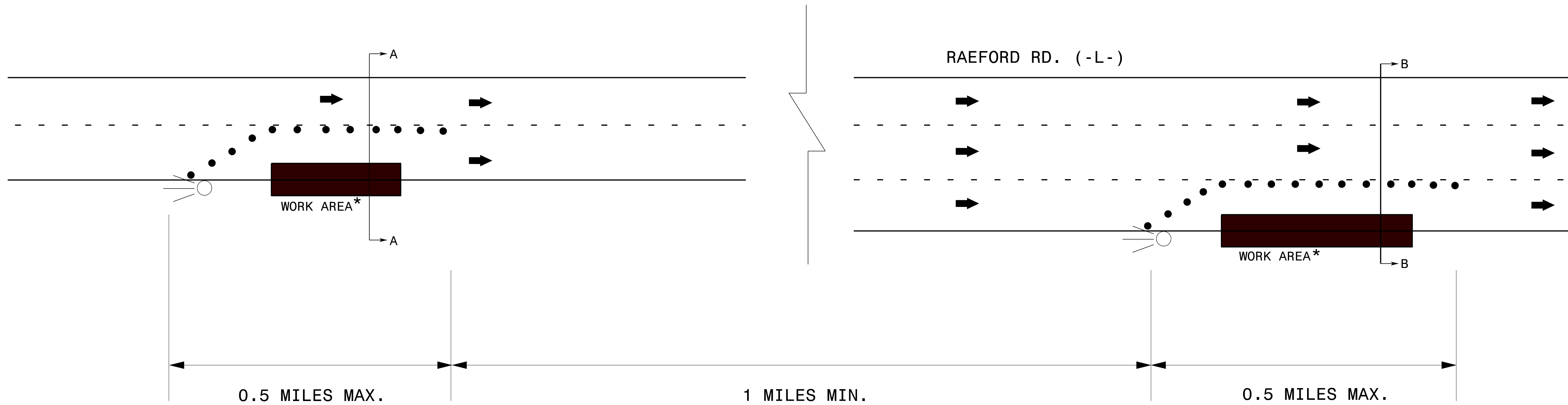
4/26/2018
U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_06_SIDEWALK_CLOSURE_DETAIL.dgn
angood

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

DocuSigned by:
 J.W. Woolard
 PROFESSIONAL SEAL
 19862
 ENGINEER
 J. W. WOOLARD, P.E.
 4/26/2018

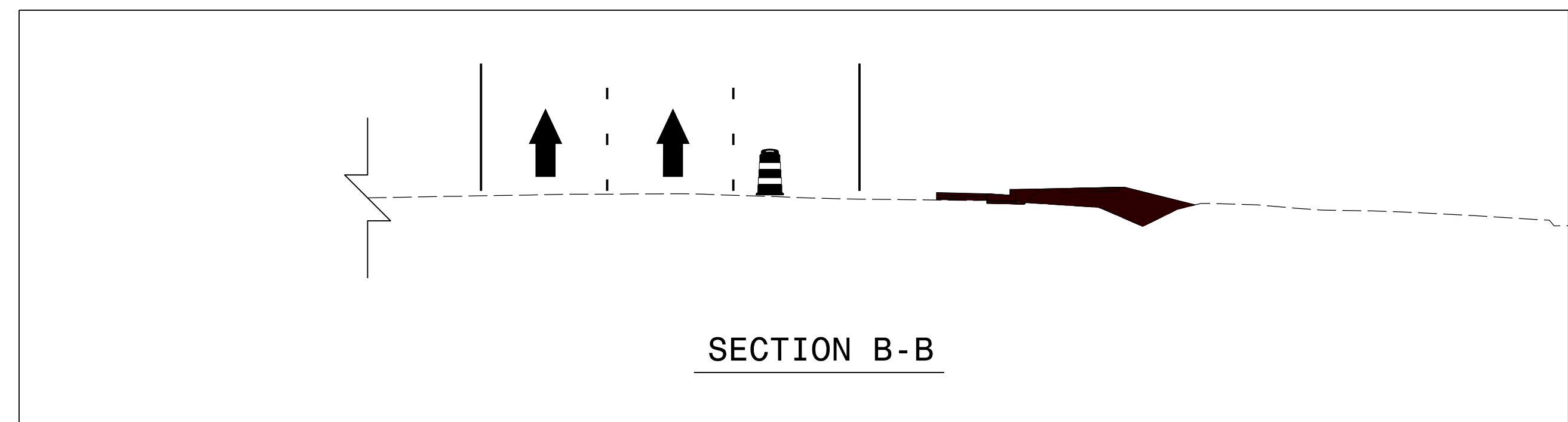
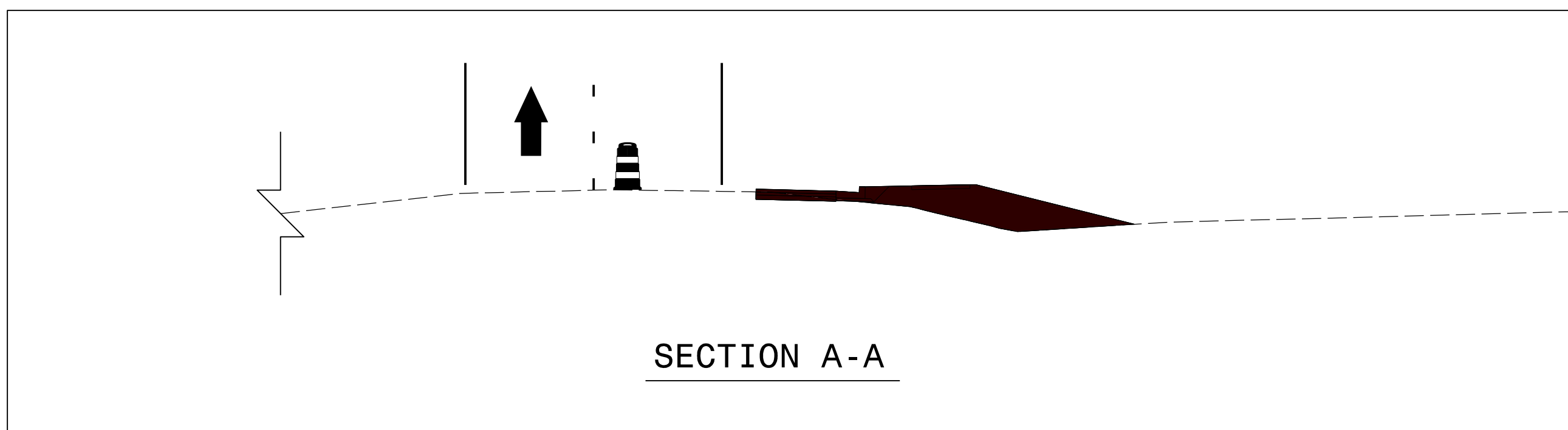
DIVISION OF HIGHWAYS
 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

SIDEWALK CLOSURE DETAIL



NOTES

1. INSTALL ALL LANE CLOSURE PER RSD 1101.02 (SHEET 3 OF 15).
2. MAXIMUM LENGTH OF EACH LANE CLOSURE IS 0.5 MILES.
3. MINIMUM LENGTH BETWEEN LANE CLOSURES IS 1 MILE.
4. MAXIMUM NUMBER OF LANE CLOSURES IN ONE DIRECTION IS 2.
5. CONSTRUCT PROPOSED DRAINAGE, PAVEMENT, CURB & GUTTER, AND SIDEWALK IN EACH WORK AREA .



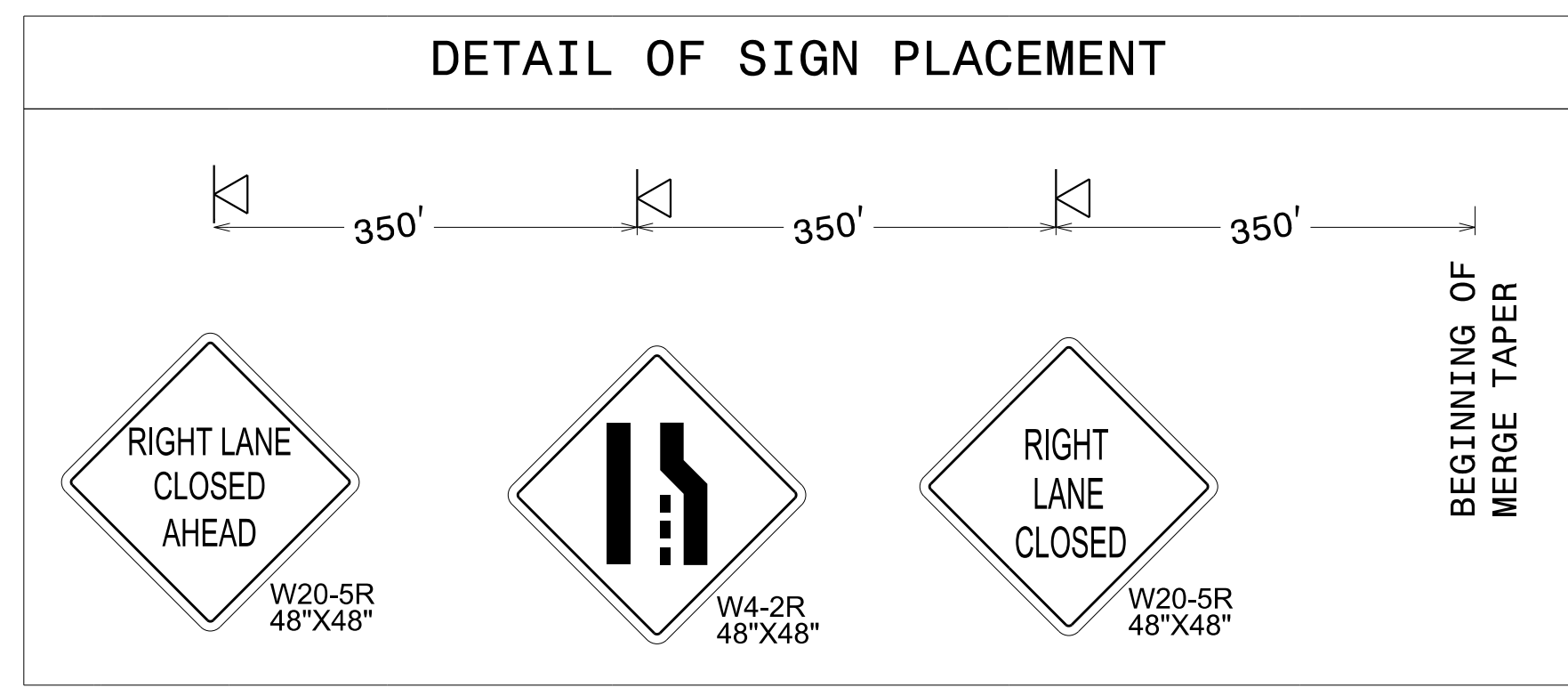
4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP-07_OUTSIDE CONSTRUCTION DETAIL.dgn
 angood

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

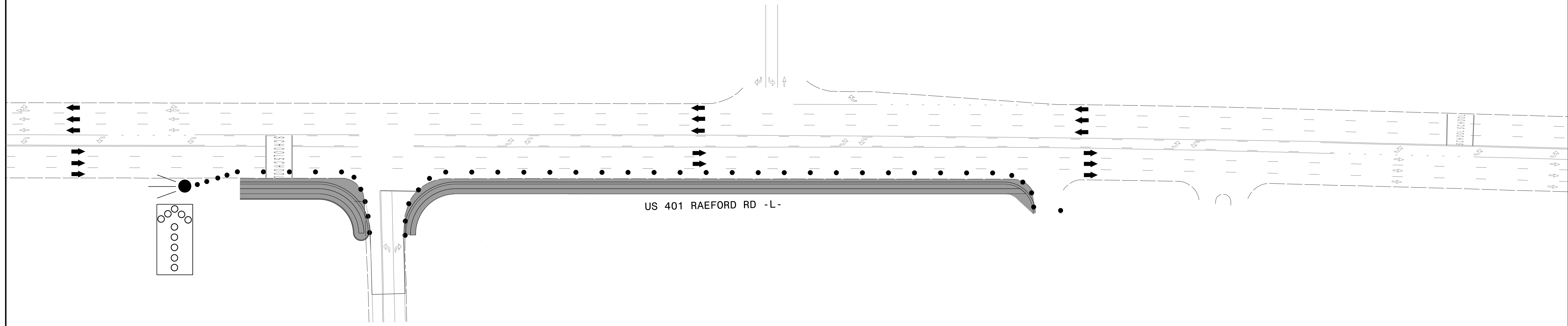
DocuSigned by:
 J.W. Woolard
 19862
 ENGINEER
 W. WOOLARD, R.
 4/26/2018

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

**PHASE I & II
 OUTSIDE CONSTRUCTION
 DETAILS**



4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_08_OUTSIDE CONSTRUCTION TYPICAL SECTION.dgn
 angood



NOTES

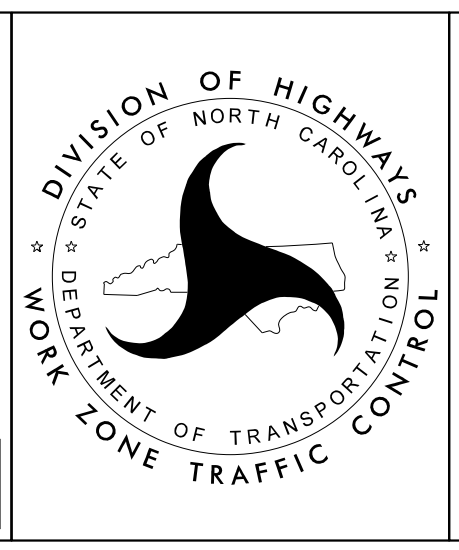
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 3 OF 15
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

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

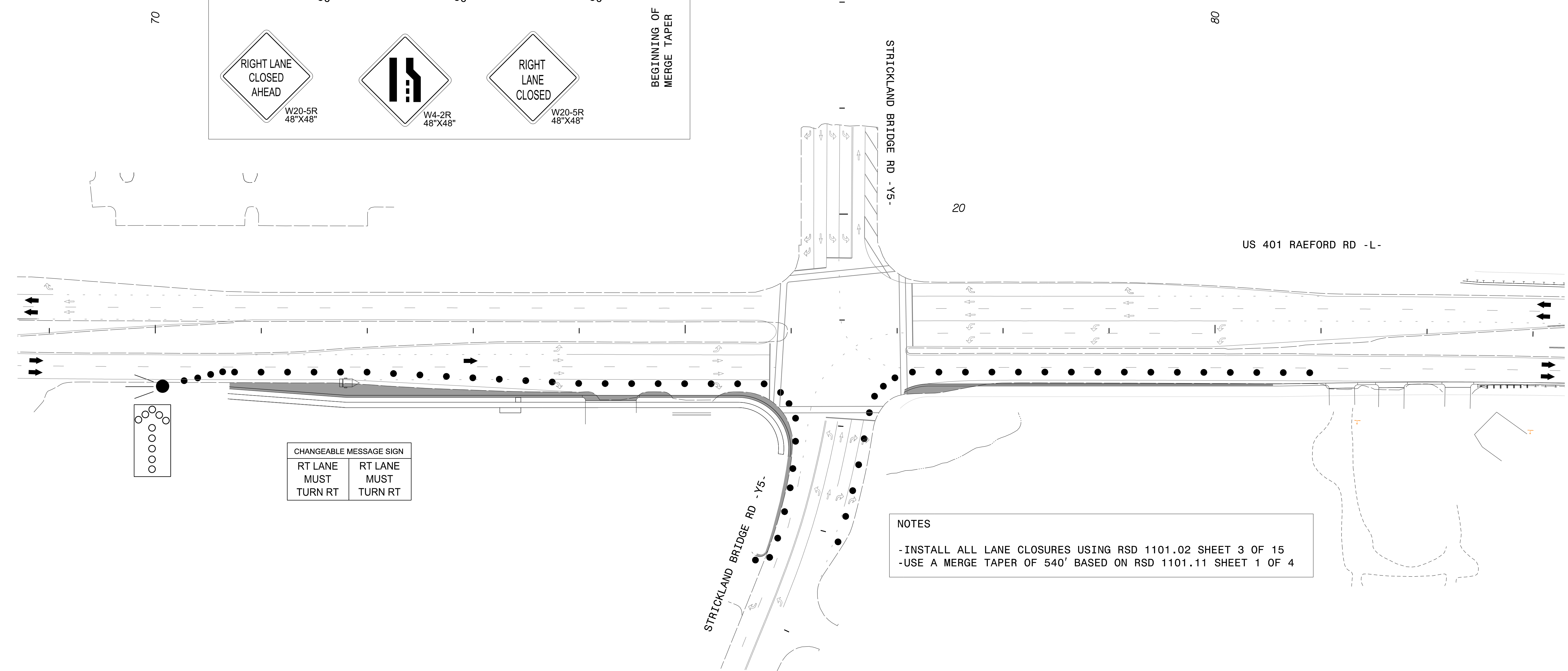
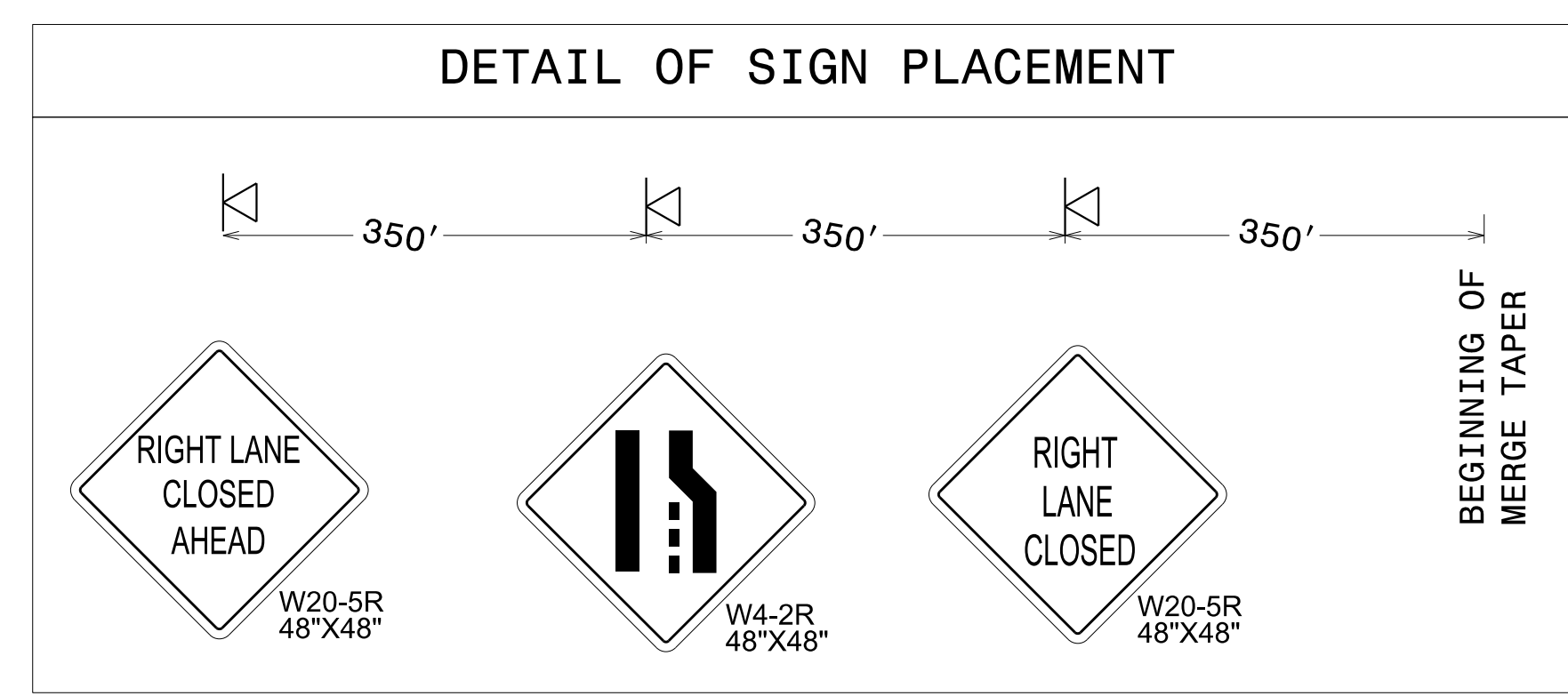
DocuSigned by
 J.W. Woolard
 PROFESSIONAL SEAL
 19862
 ENGINEER
 J.W. WOOLARD, P.E.

4/26/2018

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



**PHASE I & II
 OUTSIDE CONSTRUCTION
 TYPICAL DRAWING**



NOTES

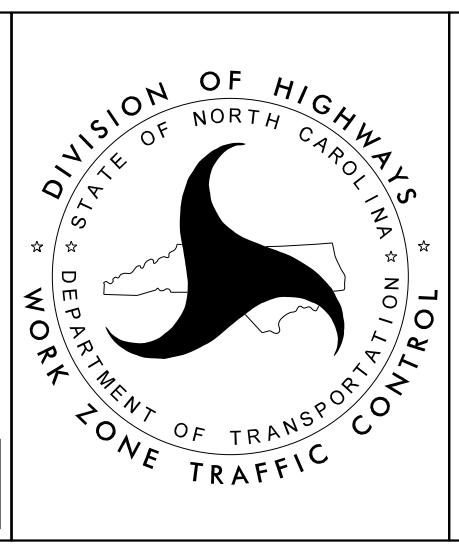
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 3 OF 15
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_09_OUTSIDE CONSTRUCTION INTERSECTION TYPICAL SECTION.dgn
 angood

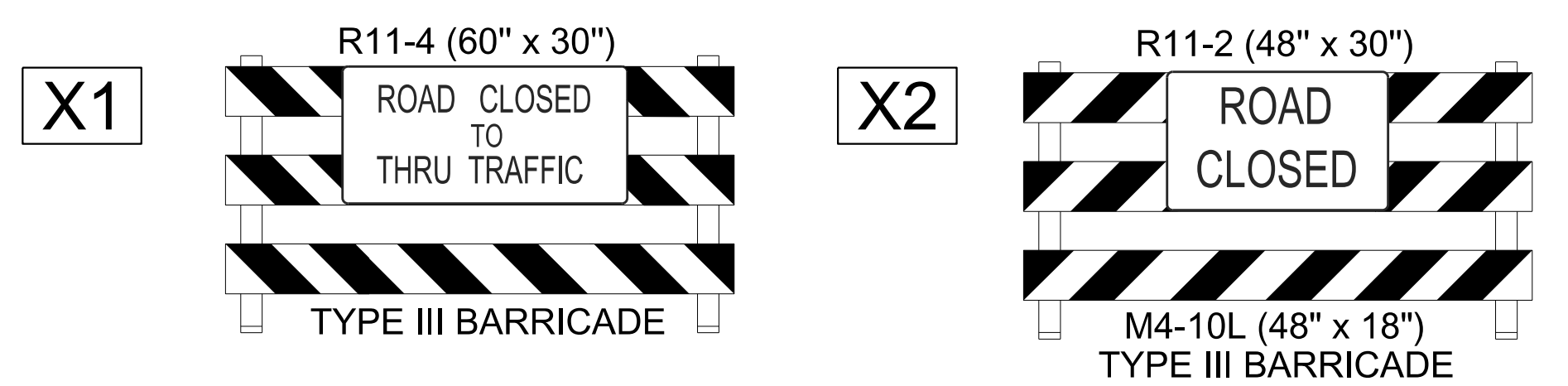
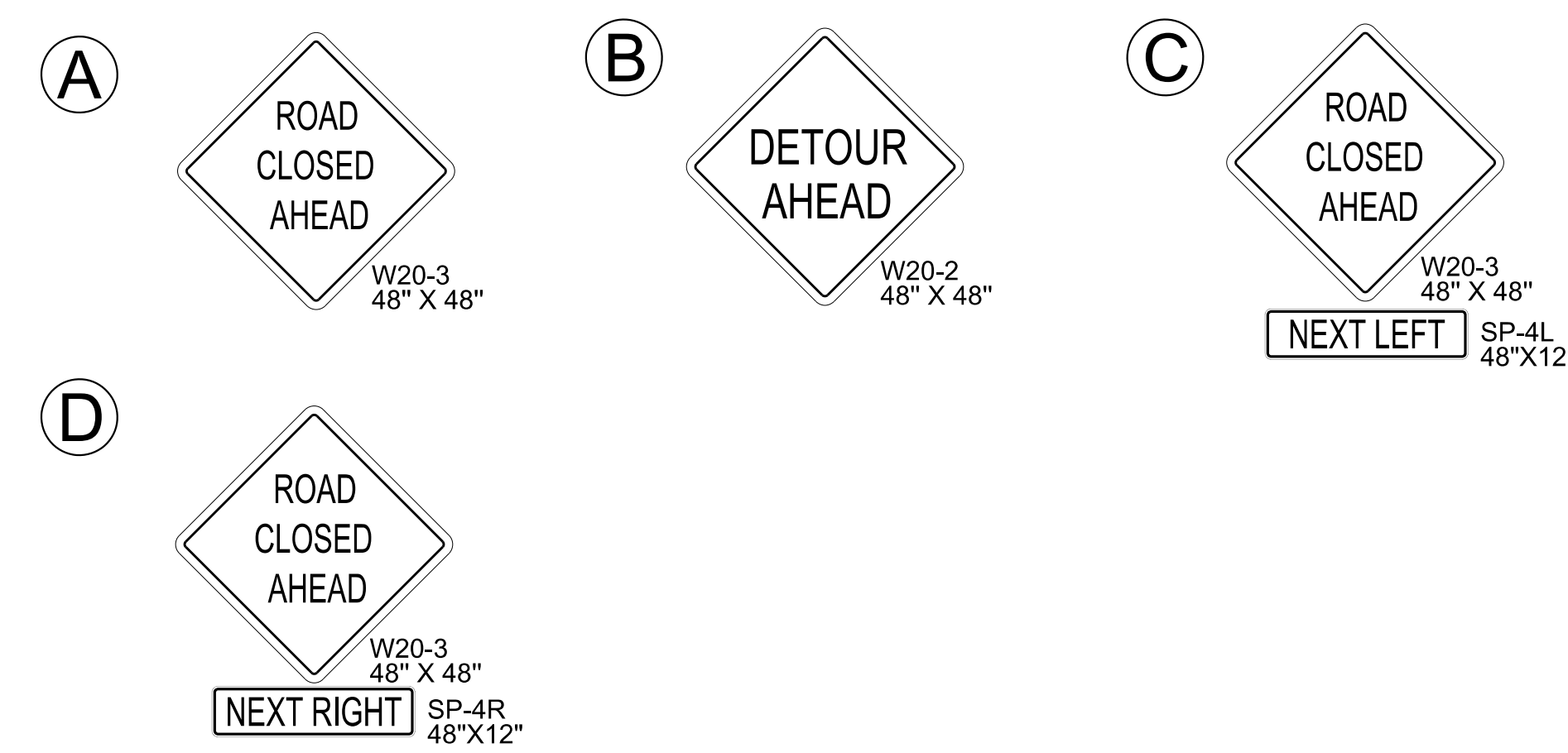
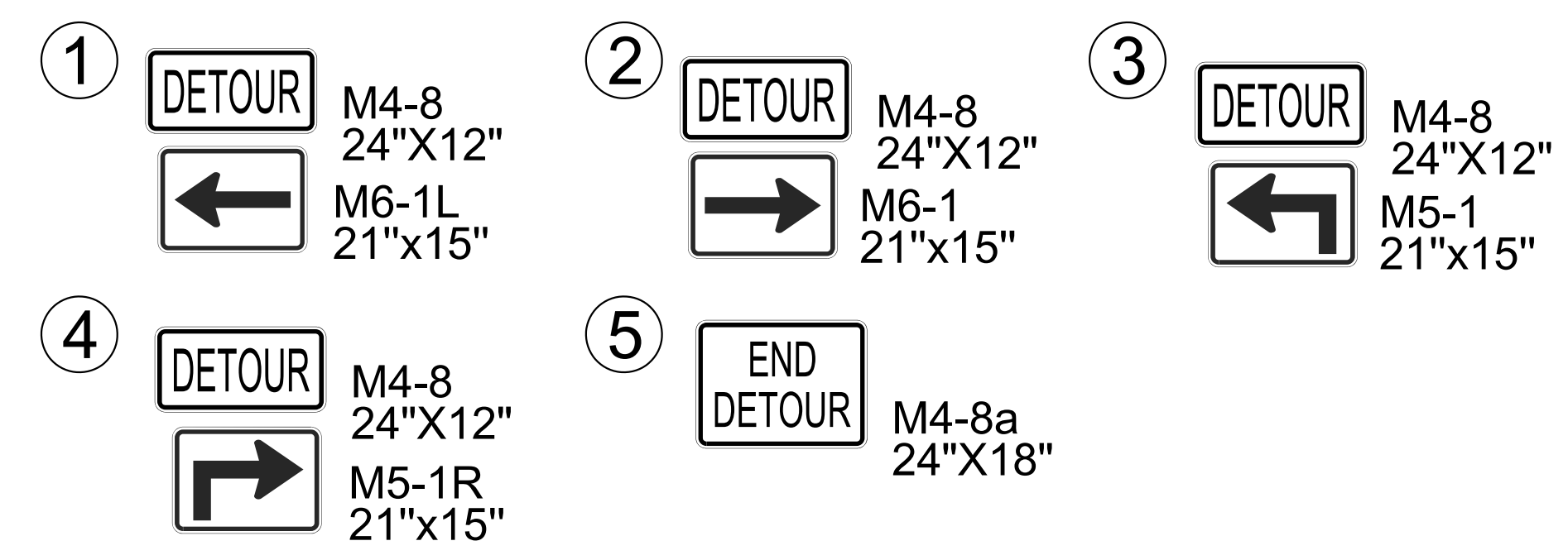
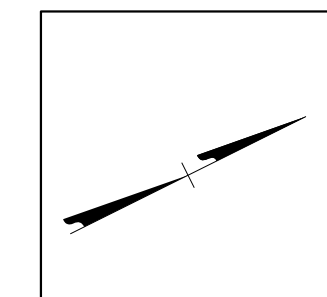
Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

DocuSigned by:
 J.W. Woolard
 19862
 ENGINEER
 W. WOOLARD, R.
 4/26/2018

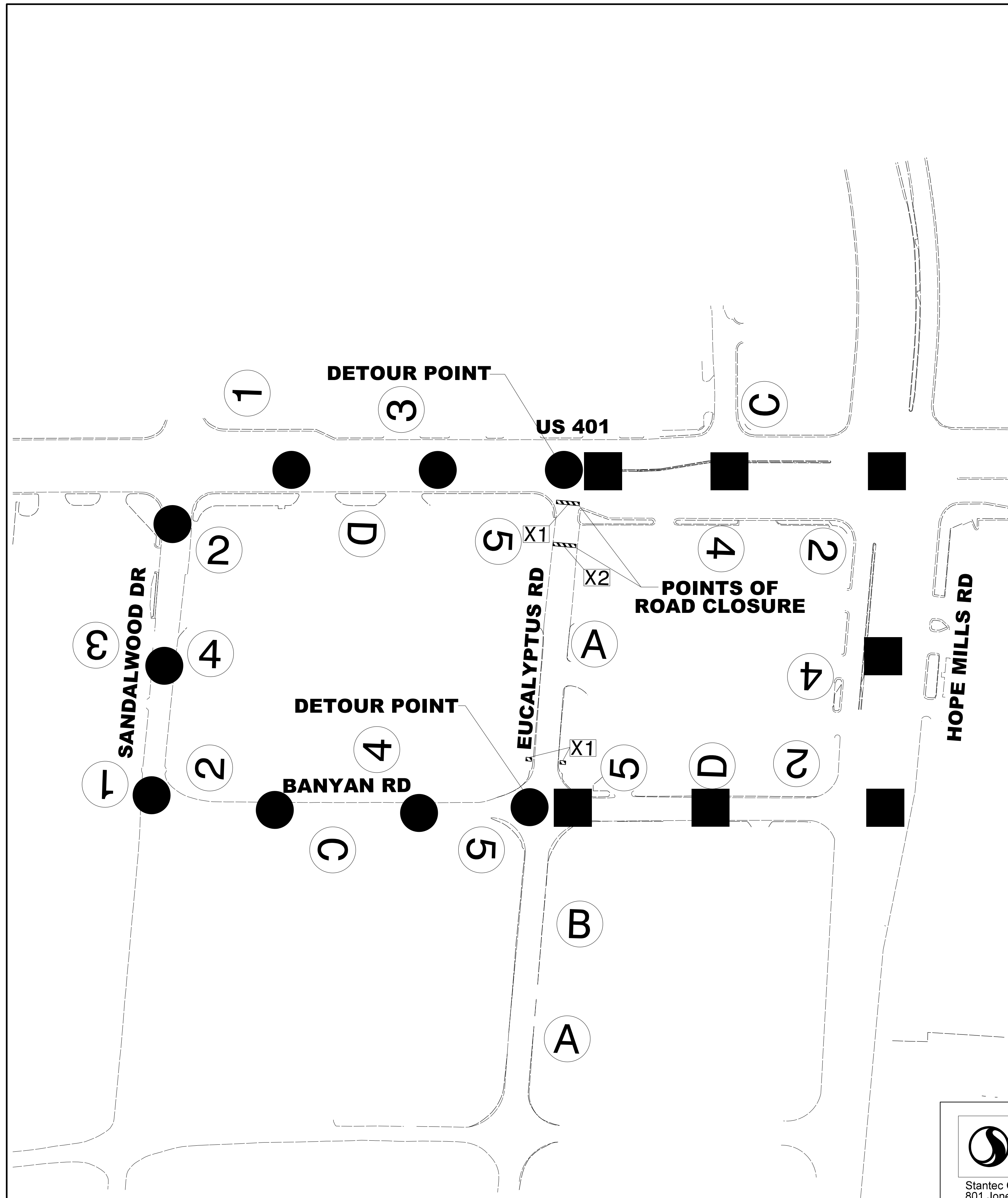
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



**PHASE I & II
 OUTSIDE CONSTRUCTION
 INTERSECTION
 TYPICAL DRAWING**



● -Y18- EUCALYPTUS RD WB DETOUR ROUTE
 ■ -Y18- EUCALYPTUS RD EB DETOUR ROUTE



4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_10_-Y18- DETOURROUTE.dgn
 angood

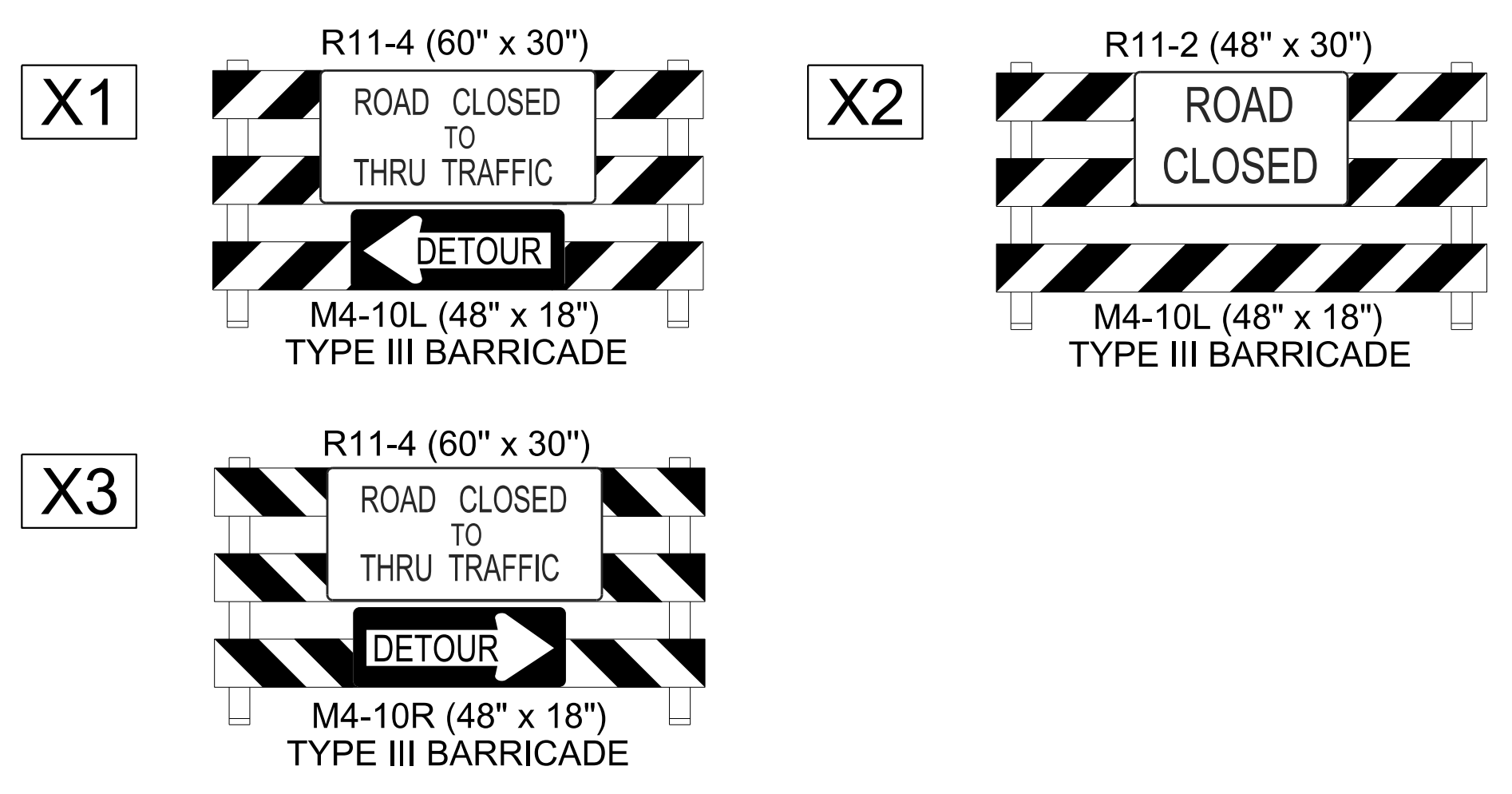
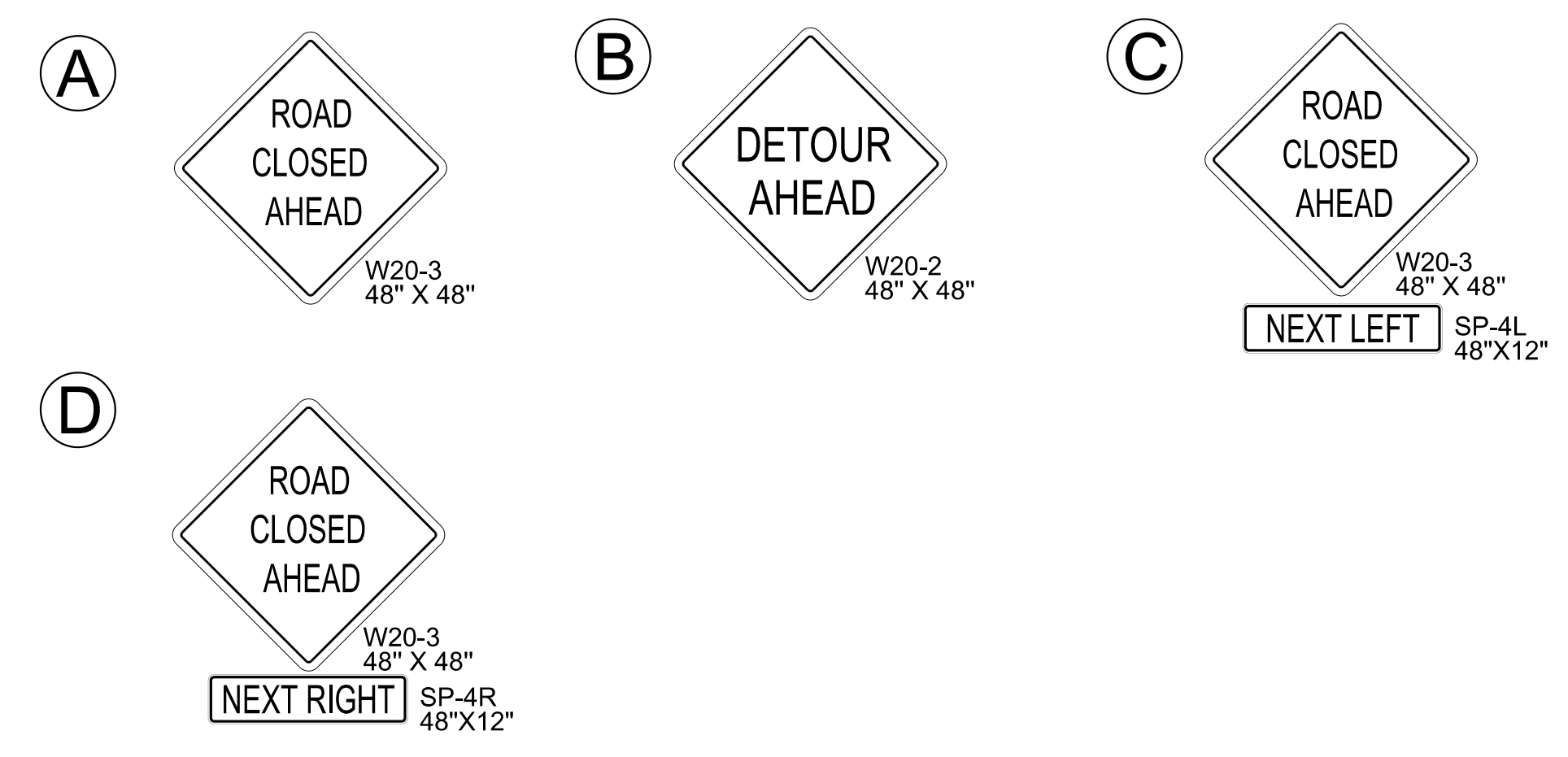
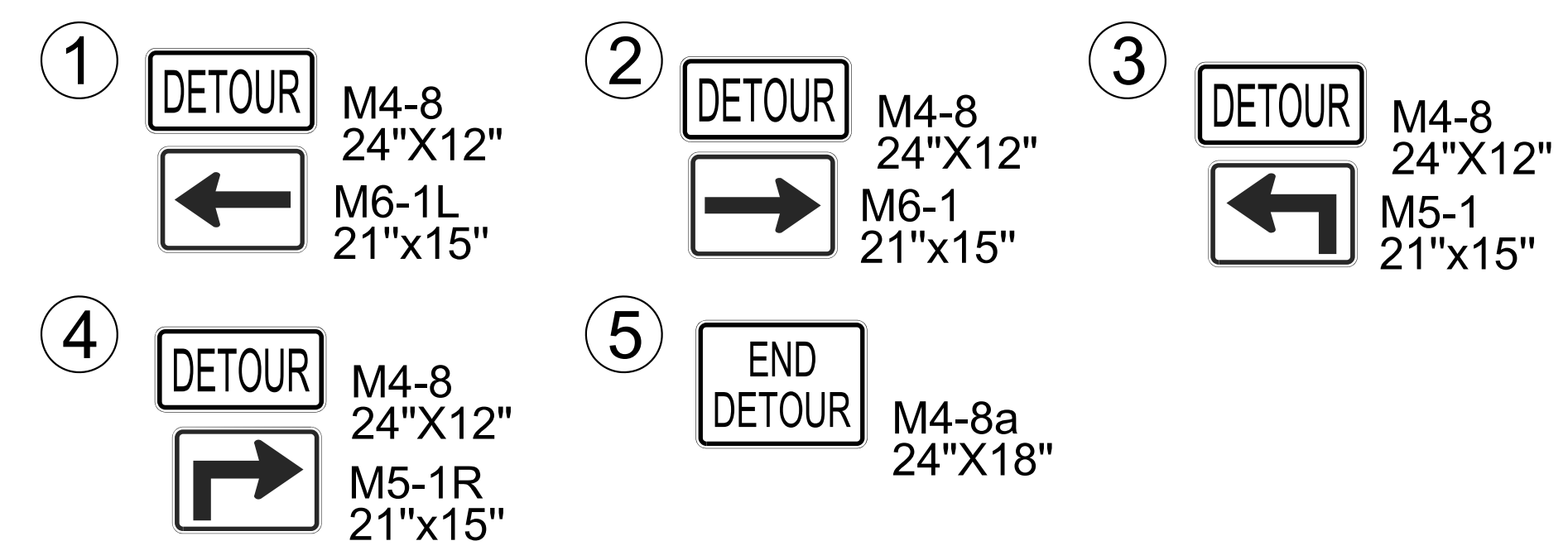
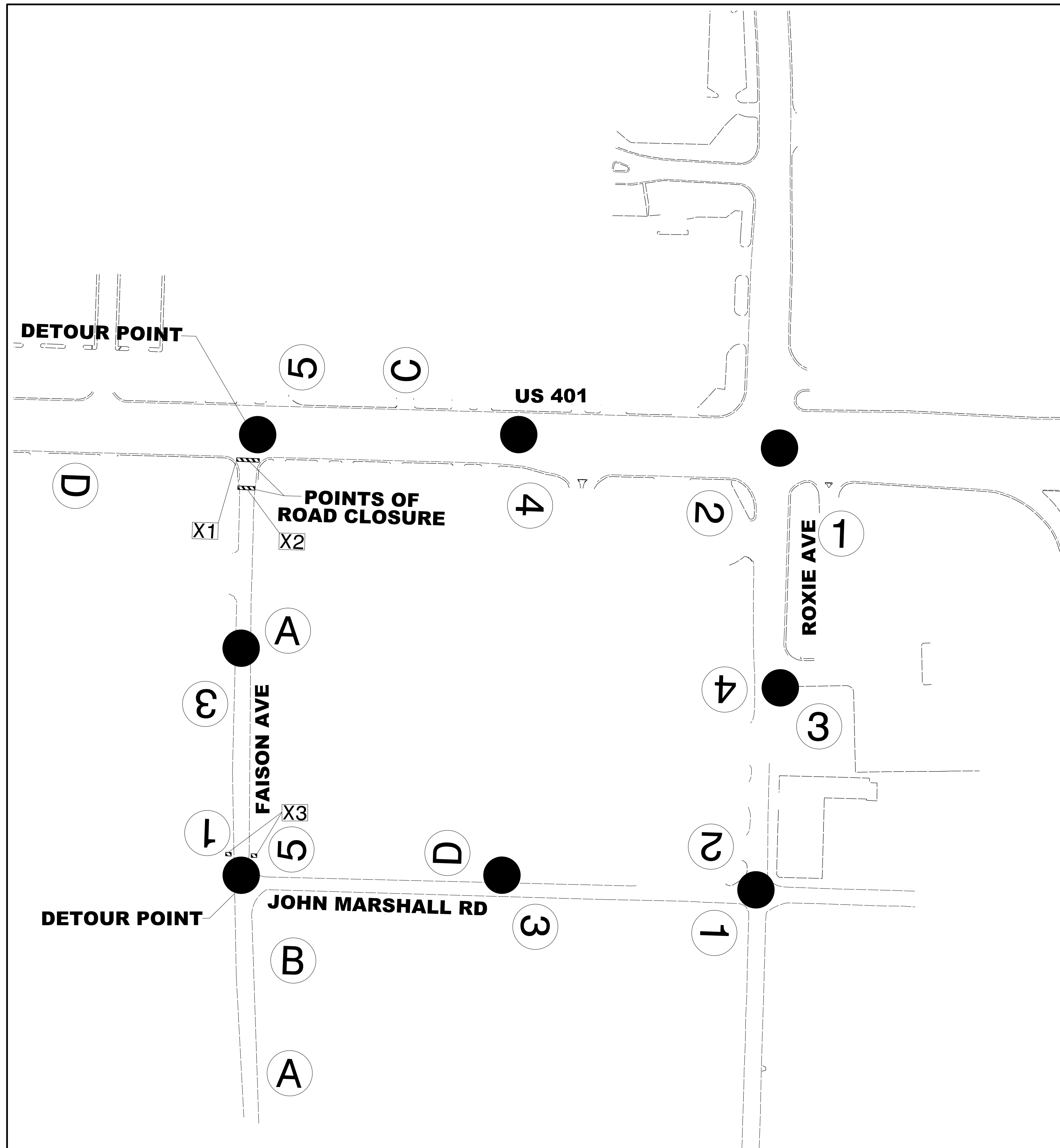
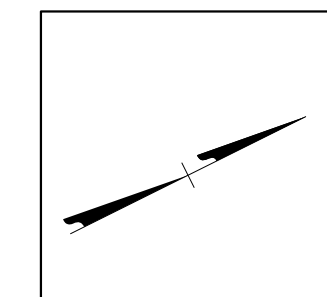
Stantec
 Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

DocuSigned by:
 J.W. Woollard
 PROFESSIONAL SEAL
 19862
 ENGINEER
 W. WOOLLARD, R.
 4/26/2018

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

-Y18- EUCALYPTUS RD
 DETOUR ROUTE

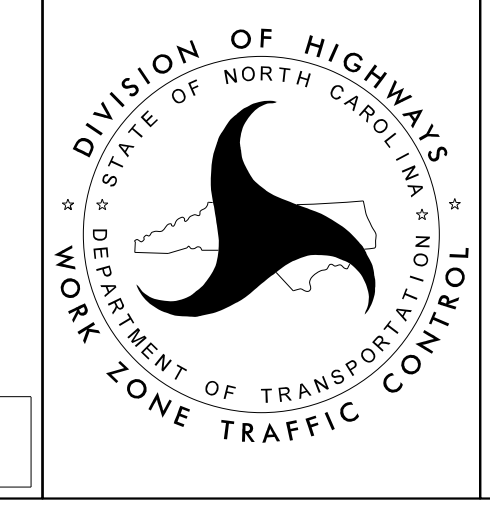
DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED



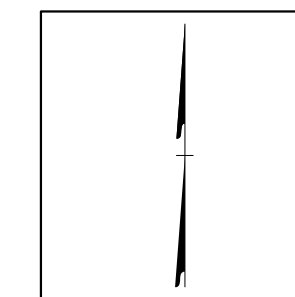
4/26/2018
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_IL_-Y26- DETOURROUTE.dgn
 angood

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

4/26/2018
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



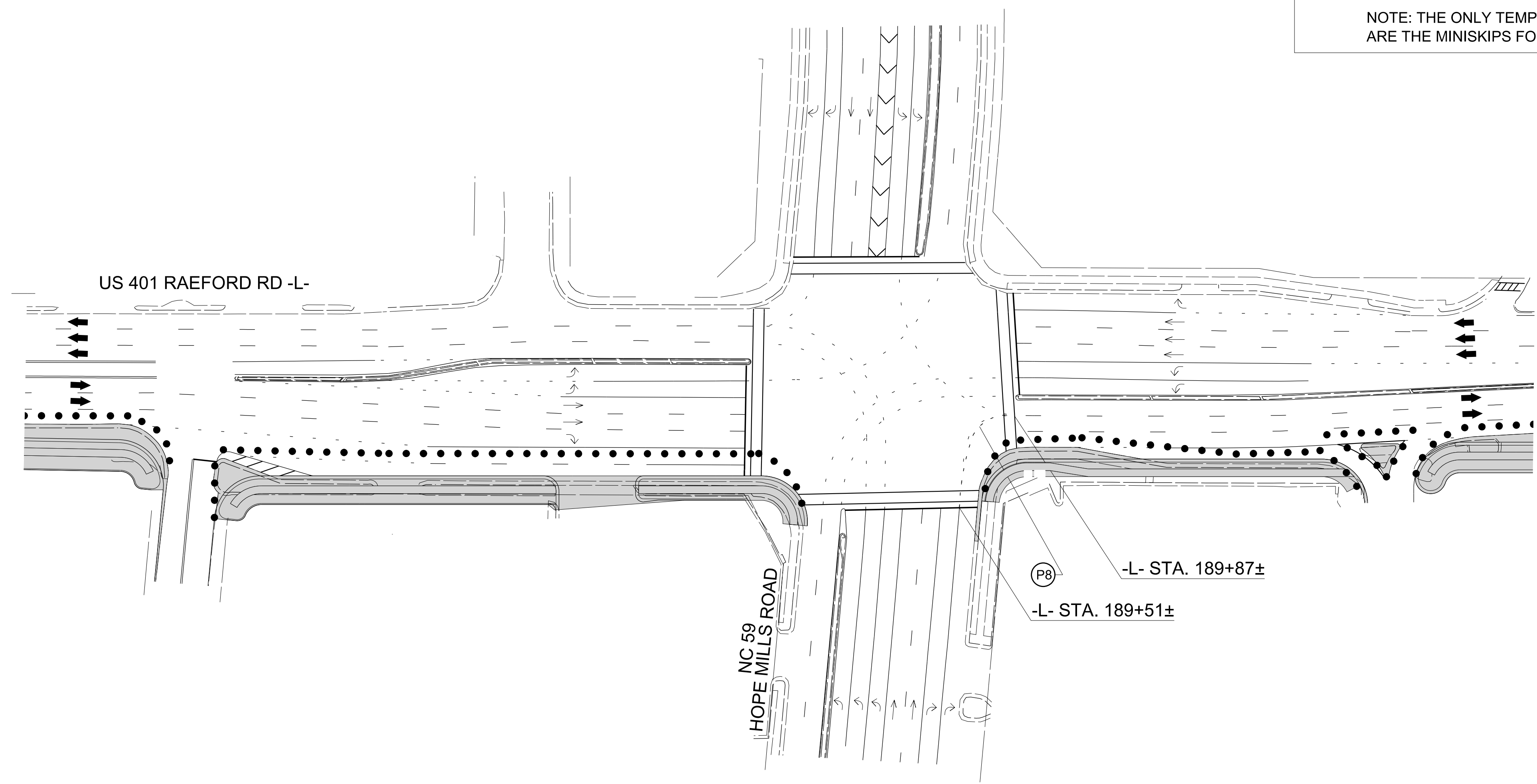
-Y26- FAISON AVE
 DETOUR ROUTE



TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE THE MINISKIPS FOR LANE CONTINUITY

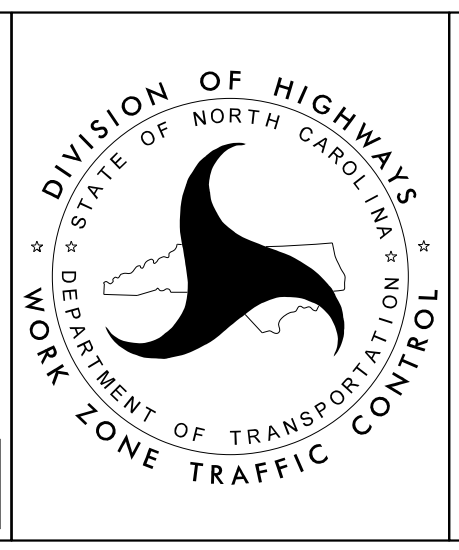


4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP-12_PLUS_401AT_NC_59_DETAIL.dgn
 angood

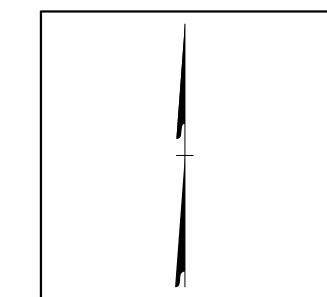
Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

DocuSigned by
 J.W. Woollard
 19862
 ENGINEER
 W. WOOLLARD, R.
 4/26/2018

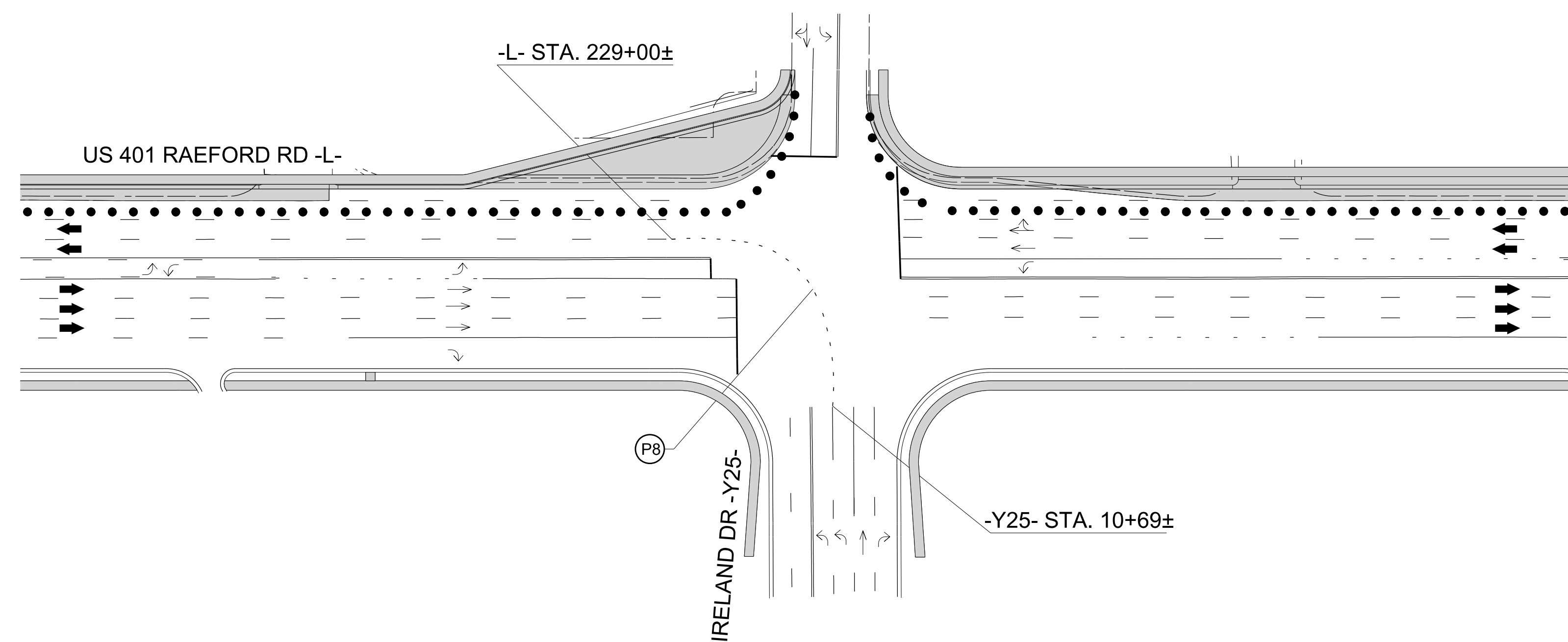
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



**US 401 -L-
 AT NC 59
 PHASE I DETAIL**

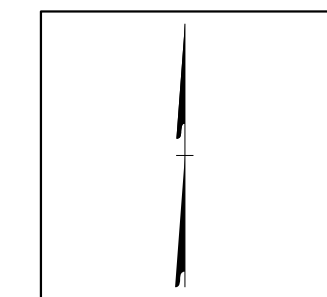


TEMPORARY PAVEMENT MARKING SCHEDULE	
SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT
NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE THE MINISKIPS FOR LANE CONTINUITY	

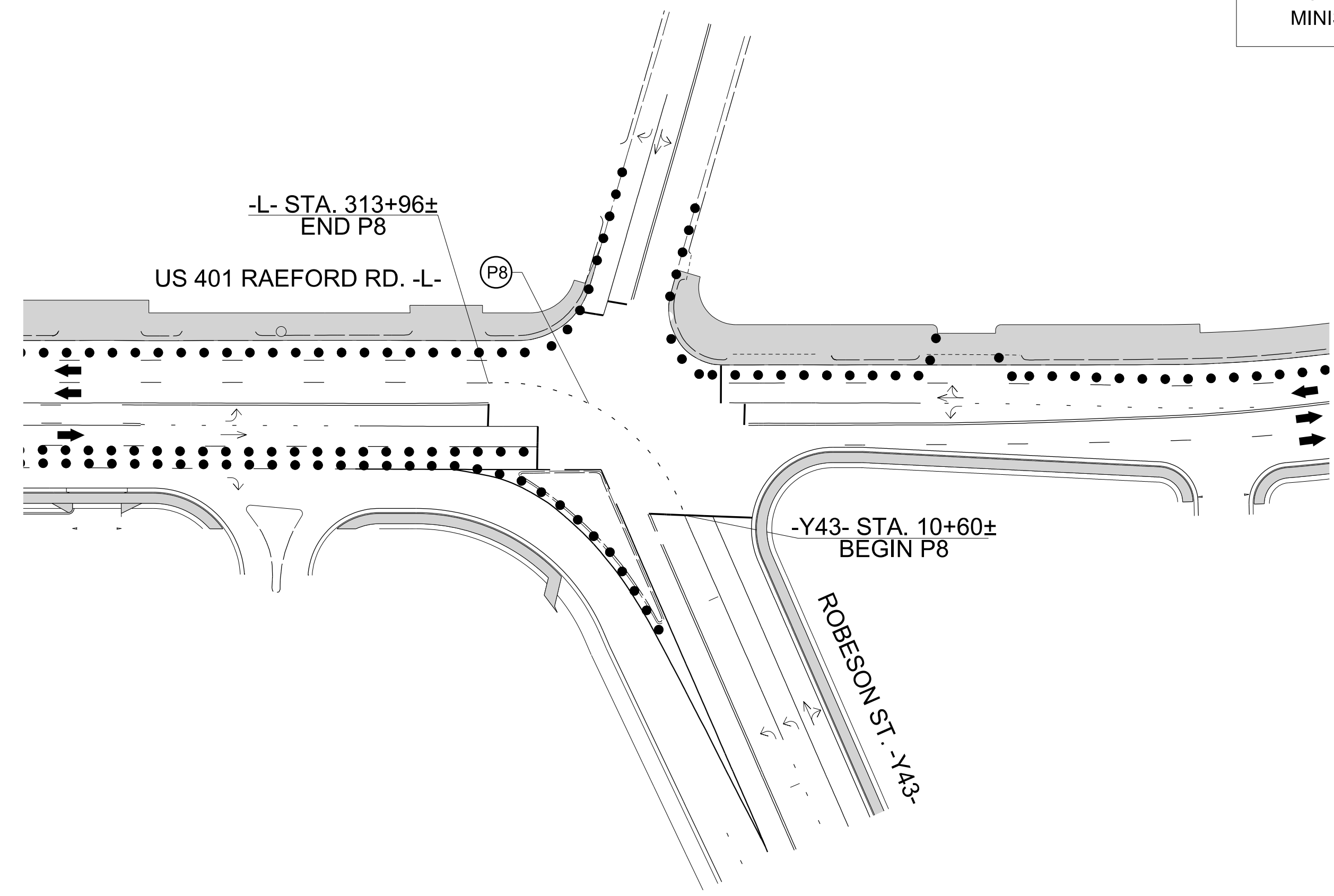


4/26/2018
 Us:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_13_P2_US 401 AT -Y25- DETAIL.dgn
 angood

<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: <i>J.W. Woolard</i> PROFESSIONAL SEAL 19862 ENGINEER J. W. WOOLARD, P.E.</p> <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p>US 401 -L- AT IRELAND DR -Y25- PHASE II DETAIL</p>
---	---	--	---

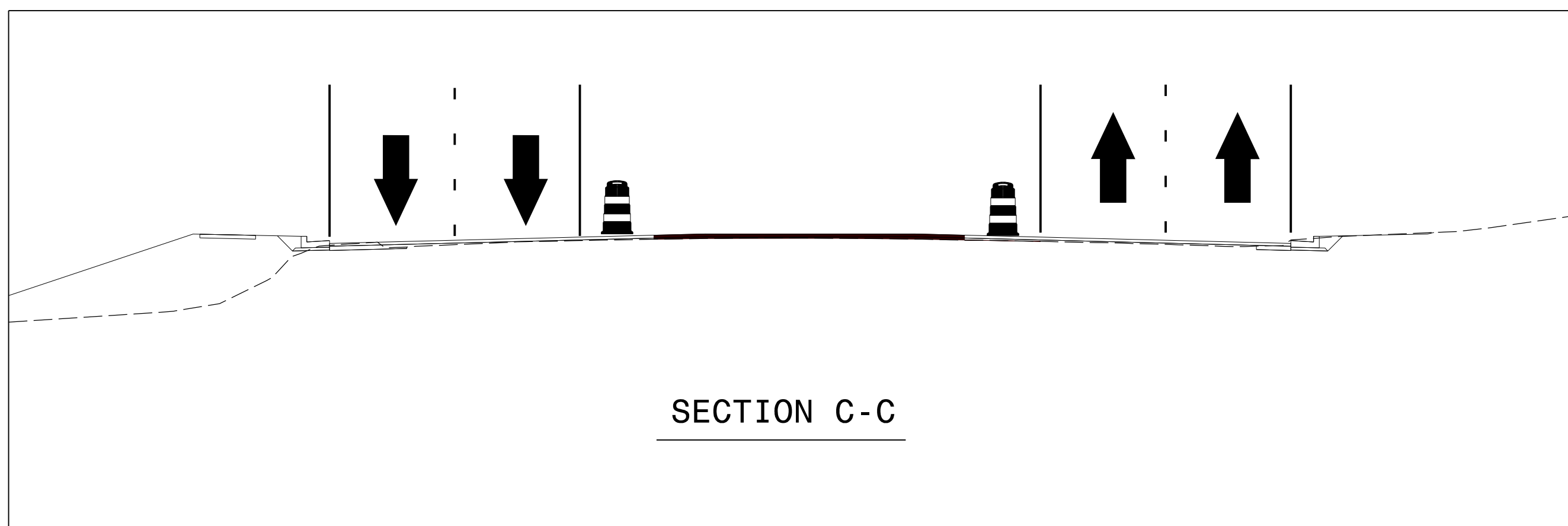
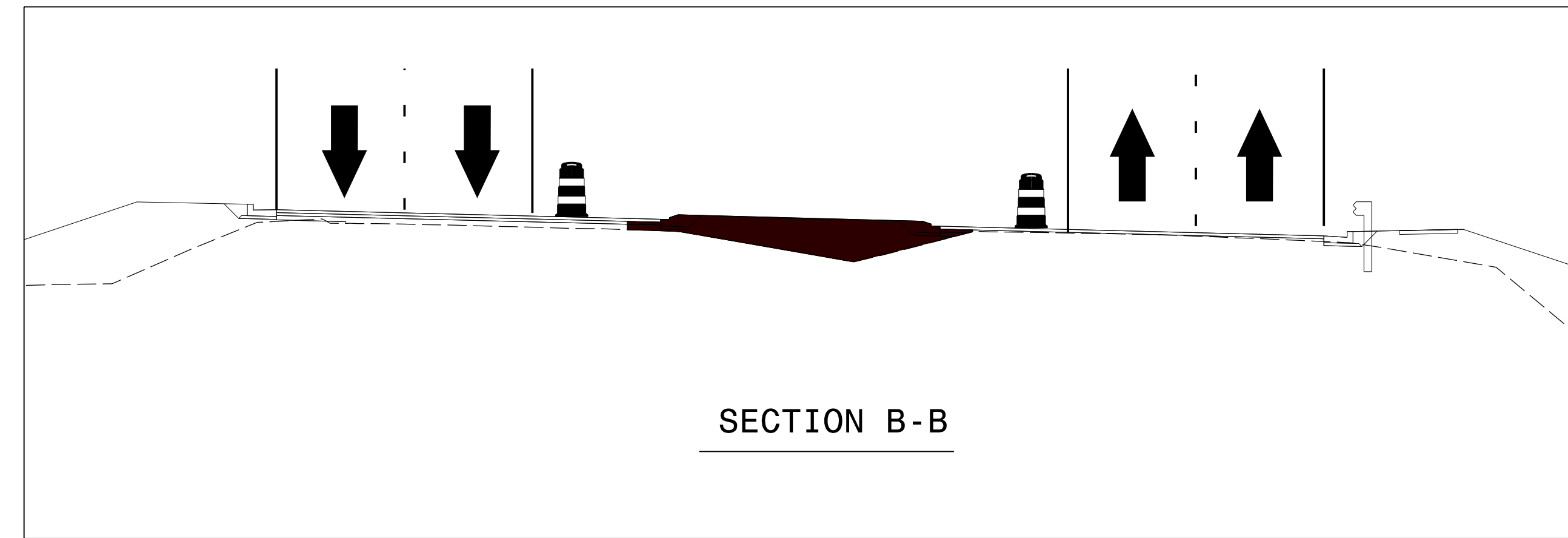
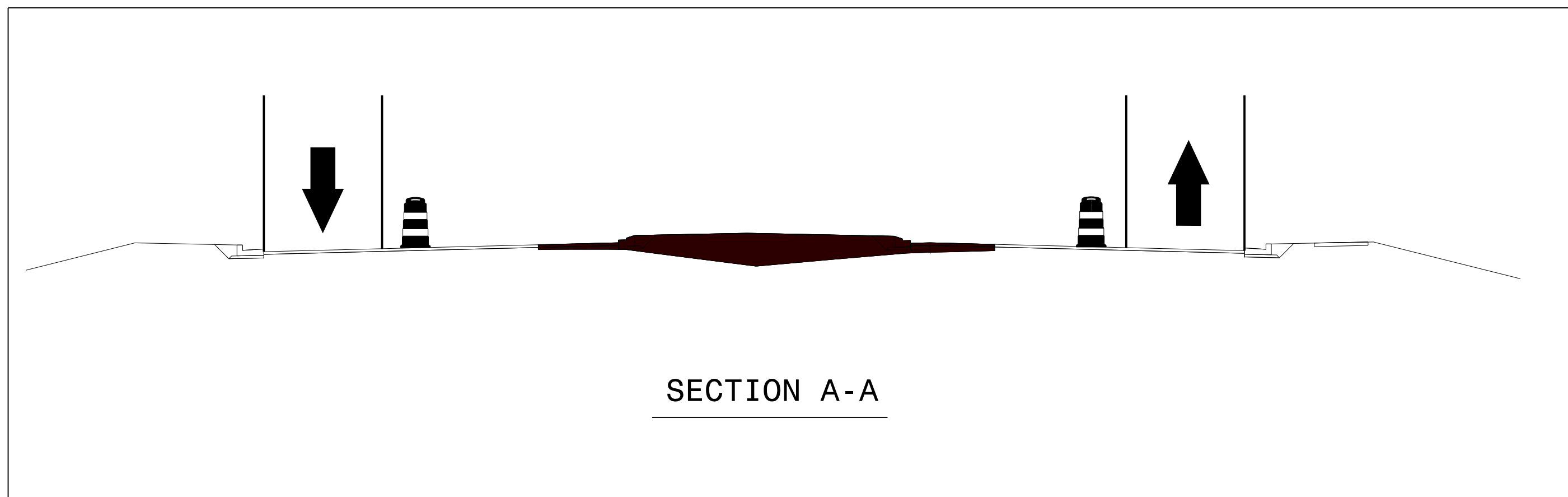
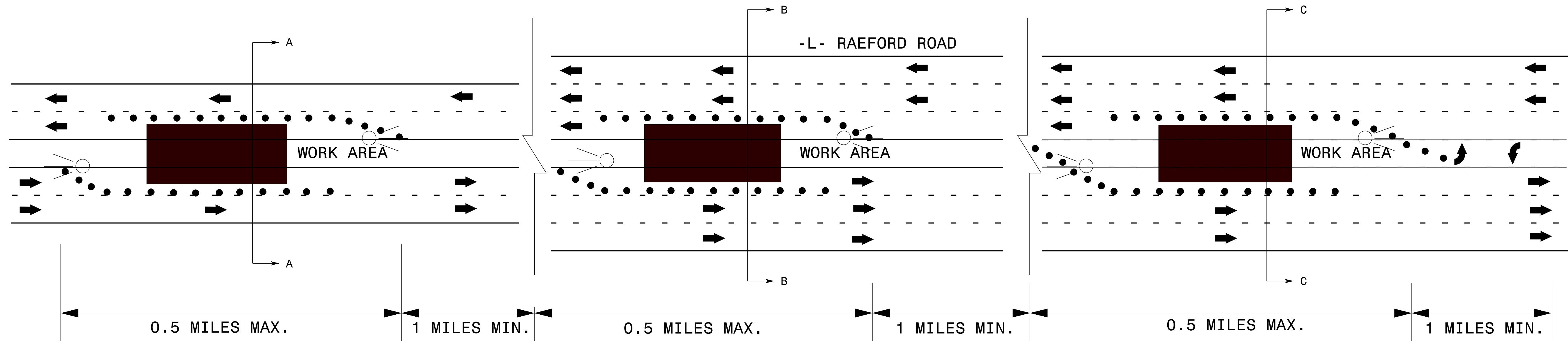


TEMPORARY PAVEMENT MARKING SCHEDULE	
SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT
NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE THE MINISKIPS FOR LANE CONTINUITY	



4/26/2018
 Us:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_14_P2_US 401 AT -Y43- DETAIL.dgn
 angood

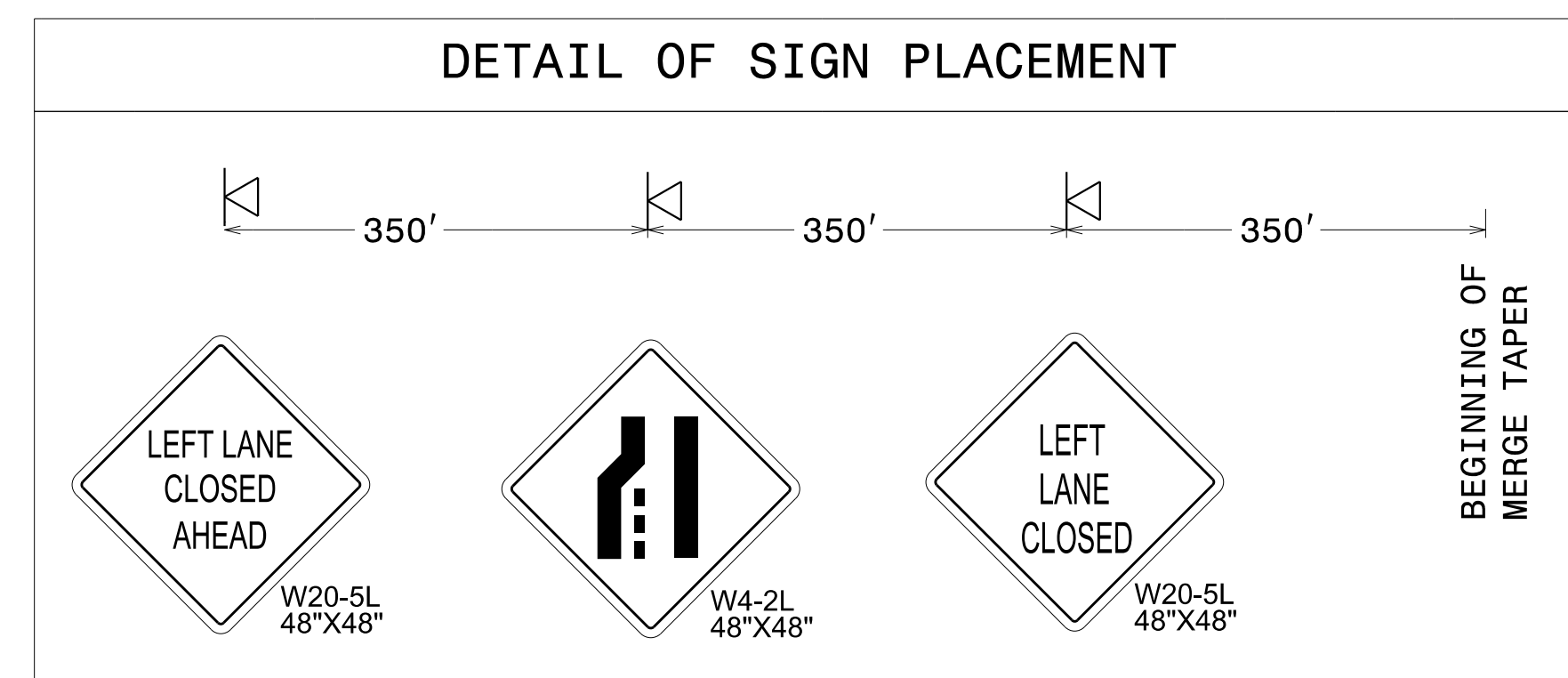
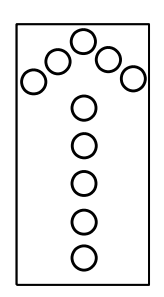
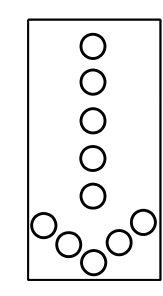
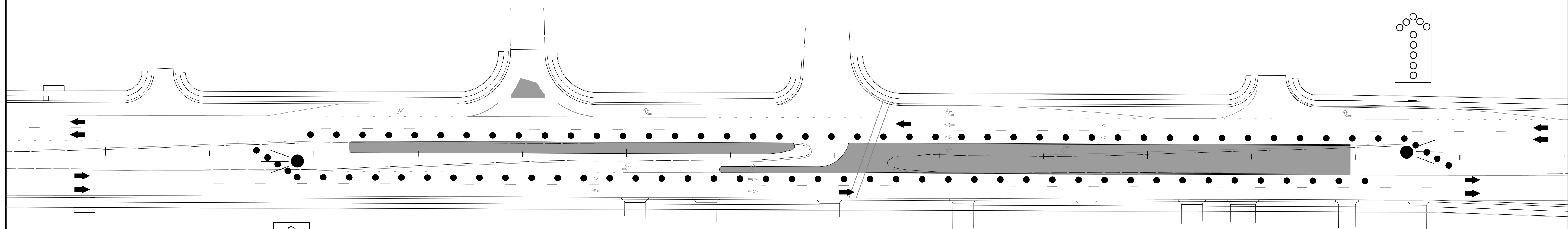
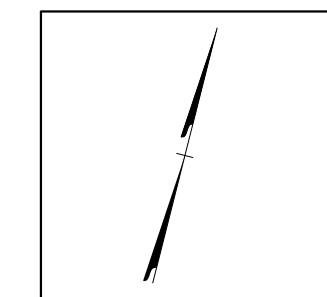
<p>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672</p>	<p>DocuSigned by: 4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p align="center"> US 401 -L- AT ROBESON ST -Y43- PHASE II DETAIL </p>
---	---	--	--



- NOTES**
1. INSTALL ALL LANE CLOSURES USING RSD 1101.02 (SHEET 3 AND 7 OF 15)
 2. MAXIMUM LENGTH OF EACH LANE CLOSURE IS 0.5 MILES
 3. MINIMUM LENGTH BETWEEN LANE CLOSURES IS 1 MILES
 4. MAXIMUM NUMBER OF LANE CLOSURES IN ONE DIRECTION IS 3
 5. CONSTRUCT PROPOSED DRAINAGE, PAVEMENT, CURB & GUTTER AND/OR MONOLITHIC ISLANDS IN EACH WORK AREA

4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_15_MEDIAN CONSTRUCTION_DETAIL.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>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p>PHASE III MEDIAN CONSTRUCTION DETAILS</p>
---	---	--	---



NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

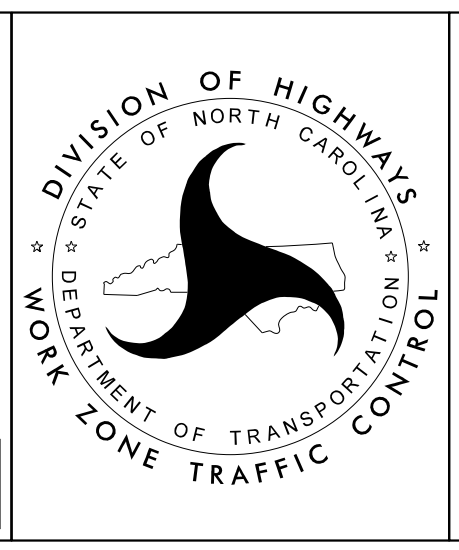
4/26/2018
U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_16_MEDIAN CONSTRUCTION TYPICAL SECTION.dgn
angood

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

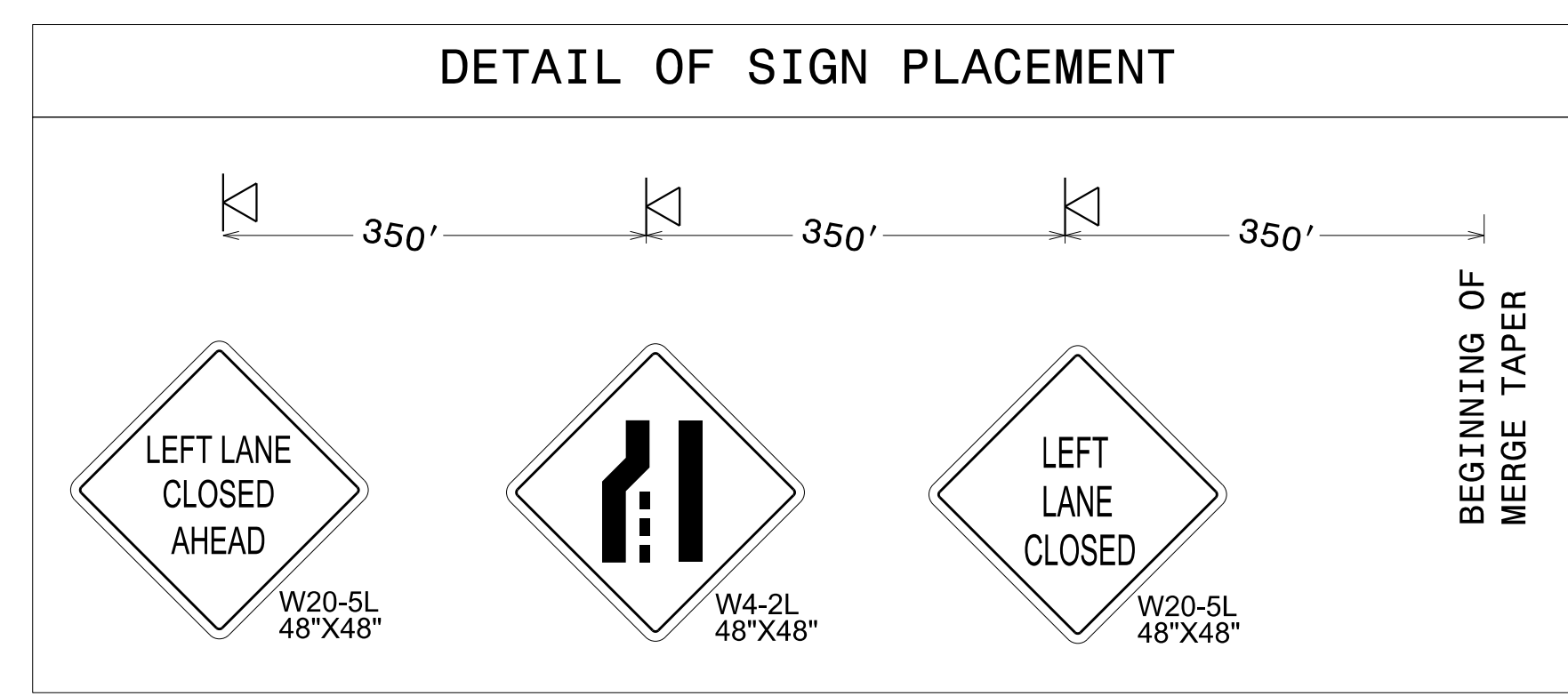
DocuSigned by:
J.W. Woolard
19862
19862
W. WOOLARD, R.
ENGINEER

4/26/2018

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



**PHASE III
MEDIAN CONSTRUCTION
TYPICAL DRAWING**

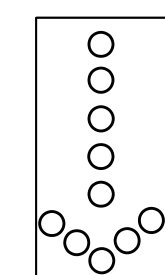
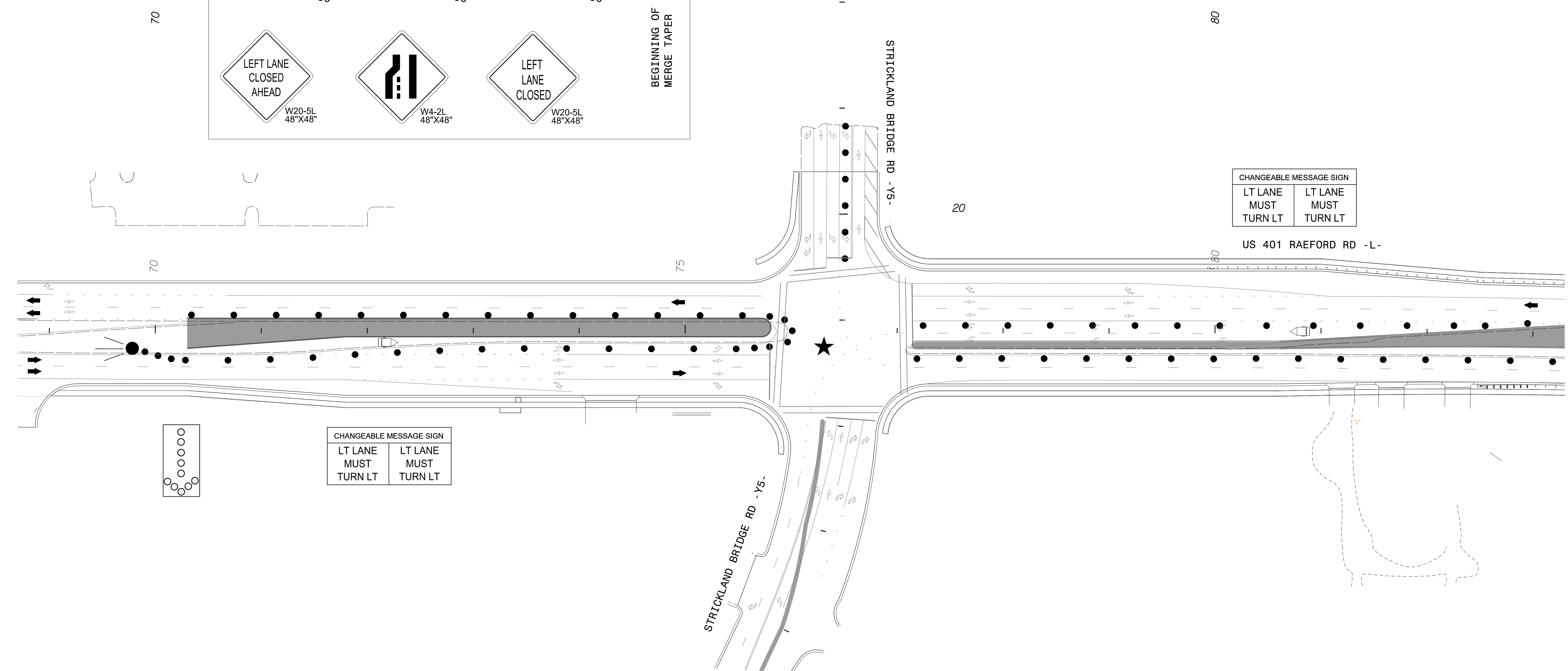


NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

CHANGEABLE MESSAGE SIGN	
LT LANE MUST TURN LT	LT LANE MUST TURN LT

US 401 RAEFORD RD -L-



CHANGEABLE MESSAGE SIGN	
LT LANE MUST TURN LT	LT LANE MUST TURN LT

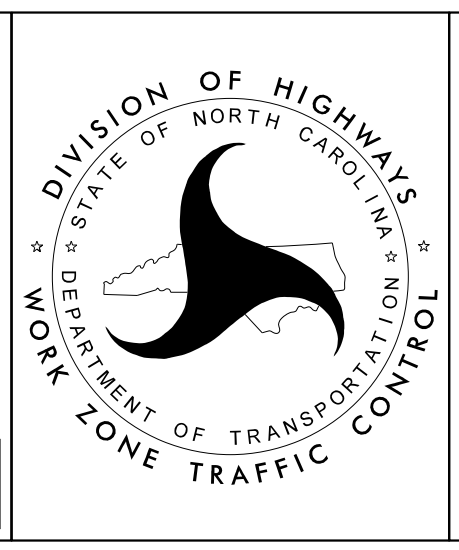
4/26/2018
L:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405-TMP-17-MEDIAN CONSTRUCTION INTERSECTION TYPICAL SECTION.dgn
angood

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

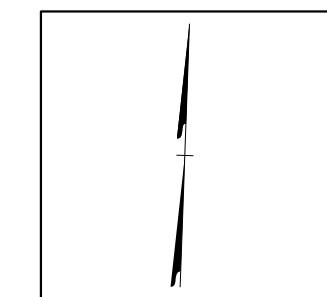
DocuSigned by:
J.W. Woolard
19862
V. W. WOOLARD, R.
ENGINEER

4/26/2018


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



**PHASE III
MEDIAN CONSTRUCTION
INTERSECTION
TYPICAL DRAWING**

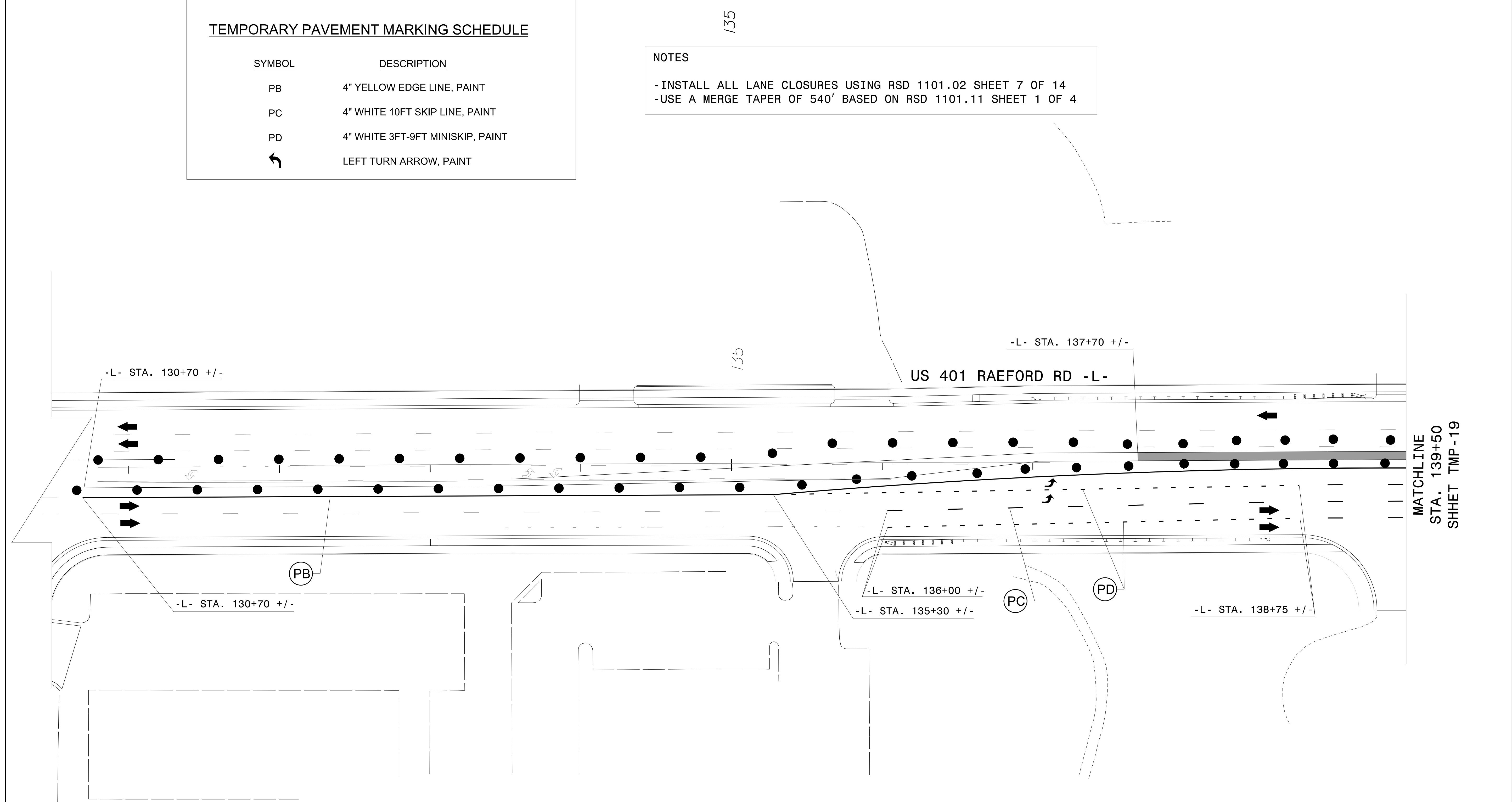


TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
PB	4" YELLOW EDGE LINE, PAINT
PC	4" WHITE 10FT SKIP LINE, PAINT
PD	4" WHITE 3FT-9FT MINISKIP, PAINT
	LEFT TURN ARROW, PAINT

NOTES

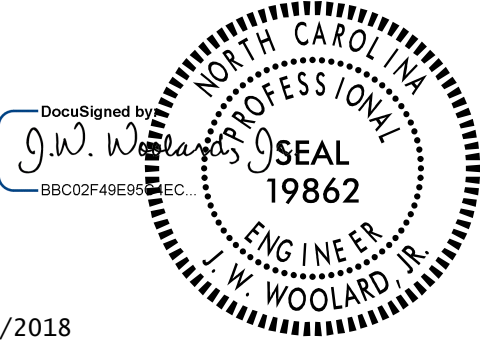
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

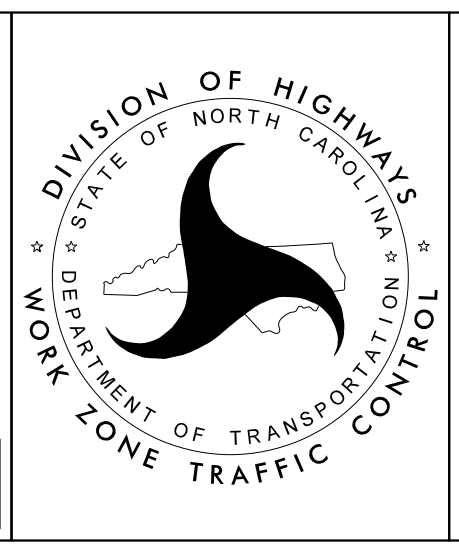


4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_18_PHASE 3 STEP 2.dgn
 angood

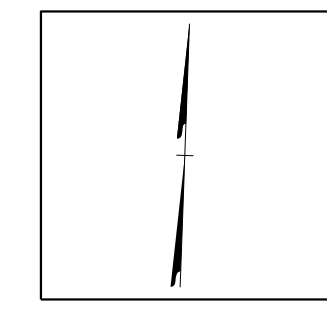


Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

DocuSigned by

 4/26/2018
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

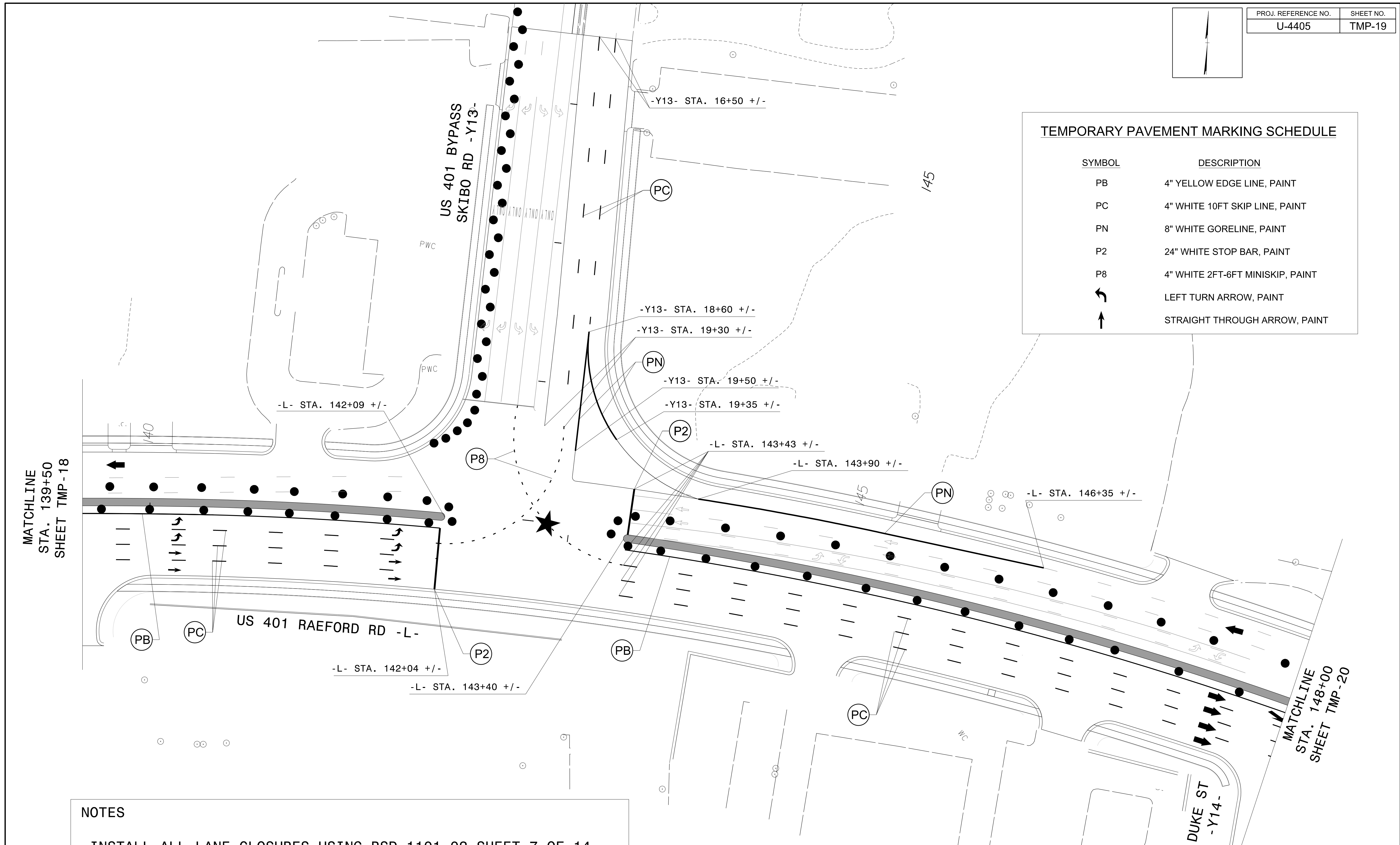


US 401 -L-
 PHASE III
 STEP 2



TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
PB	4" YELLOW EDGE LINE, PAINT
PC	4" WHITE 10FT SKIP LINE, PAINT
PN	8" WHITE GORELINE, PAINT
P2	24" WHITE STOP BAR, PAINT
P8	4" WHITE 2FT-6FT MINISKIP, PAINT
↩	LEFT TURN ARROW, PAINT
↑	STRAIGHT THROUGH ARROW, PAINT



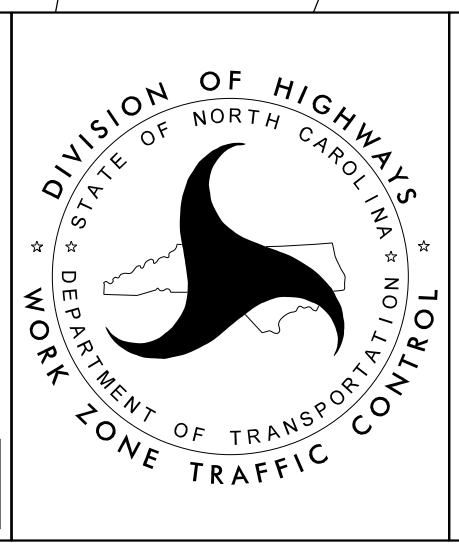
NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

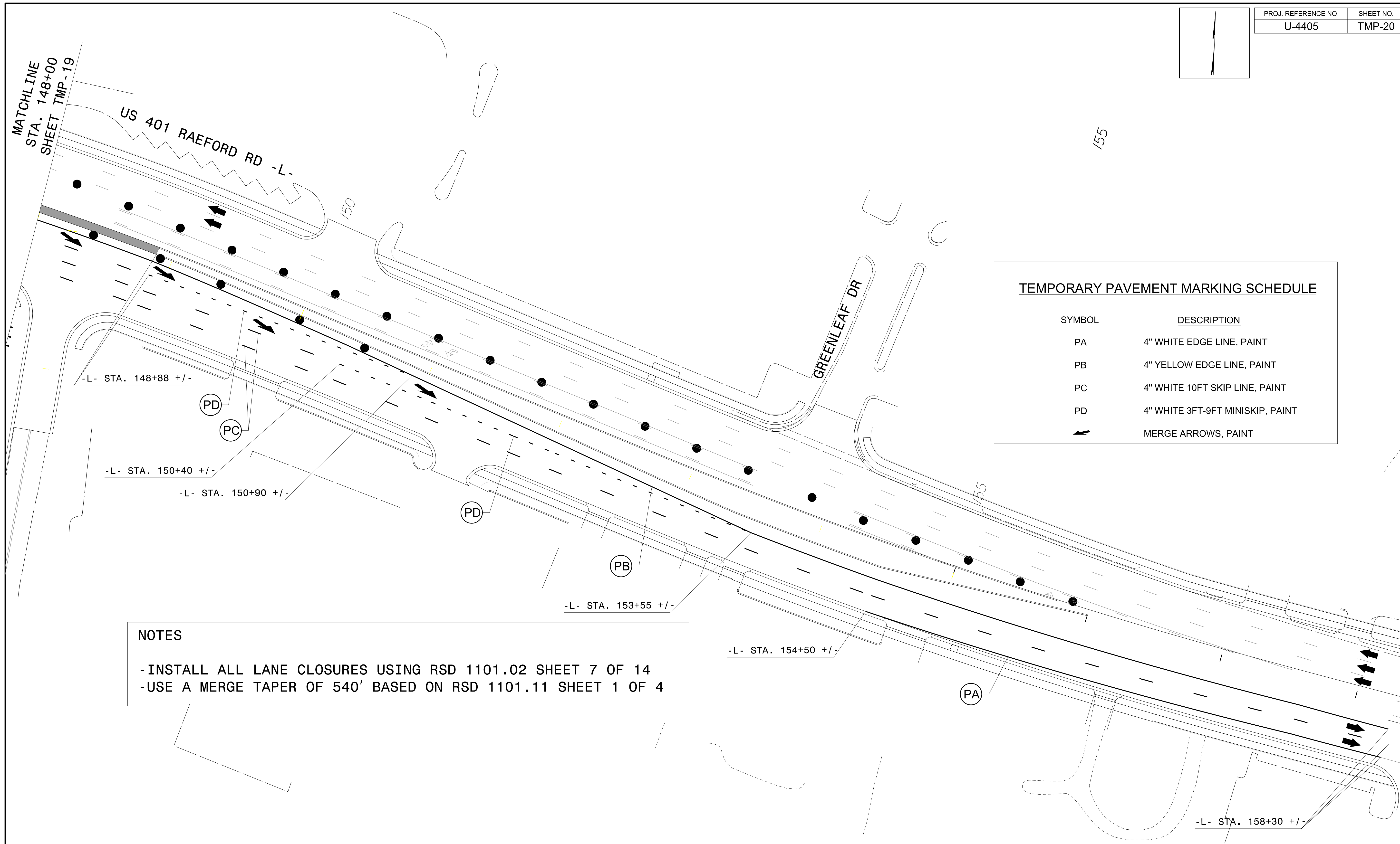
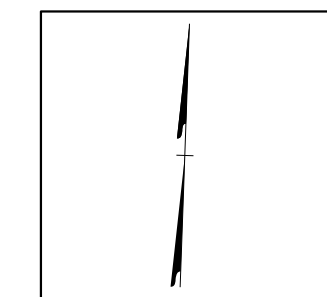
4/26/2018
 U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_19_PHASE 3 STEP 2.dgn
 angood

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

DocuSigned by
 J.W. Woolard
 PROFESSIONAL SEAL
 19862
 ENGINEER
 W. WOOLARD, R.
 4/26/2018
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



US 401 -L-
 PHASE III
 STEP 2



TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
PA	4" WHITE EDGE LINE, PAINT
PB	4" YELLOW EDGE LINE, PAINT
PC	4" WHITE 10FT SKIP LINE, PAINT
PD	4" WHITE 3FT-9FT MINISKIP, PAINT
	MERGE ARROWS, PAINT

NOTES

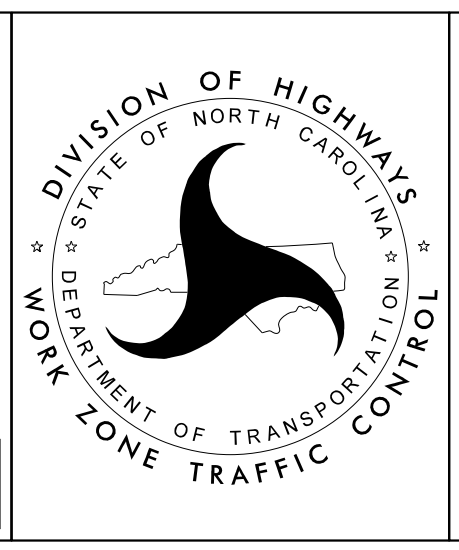
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_20_PHASE 3 STEP 2.dgn
 angood

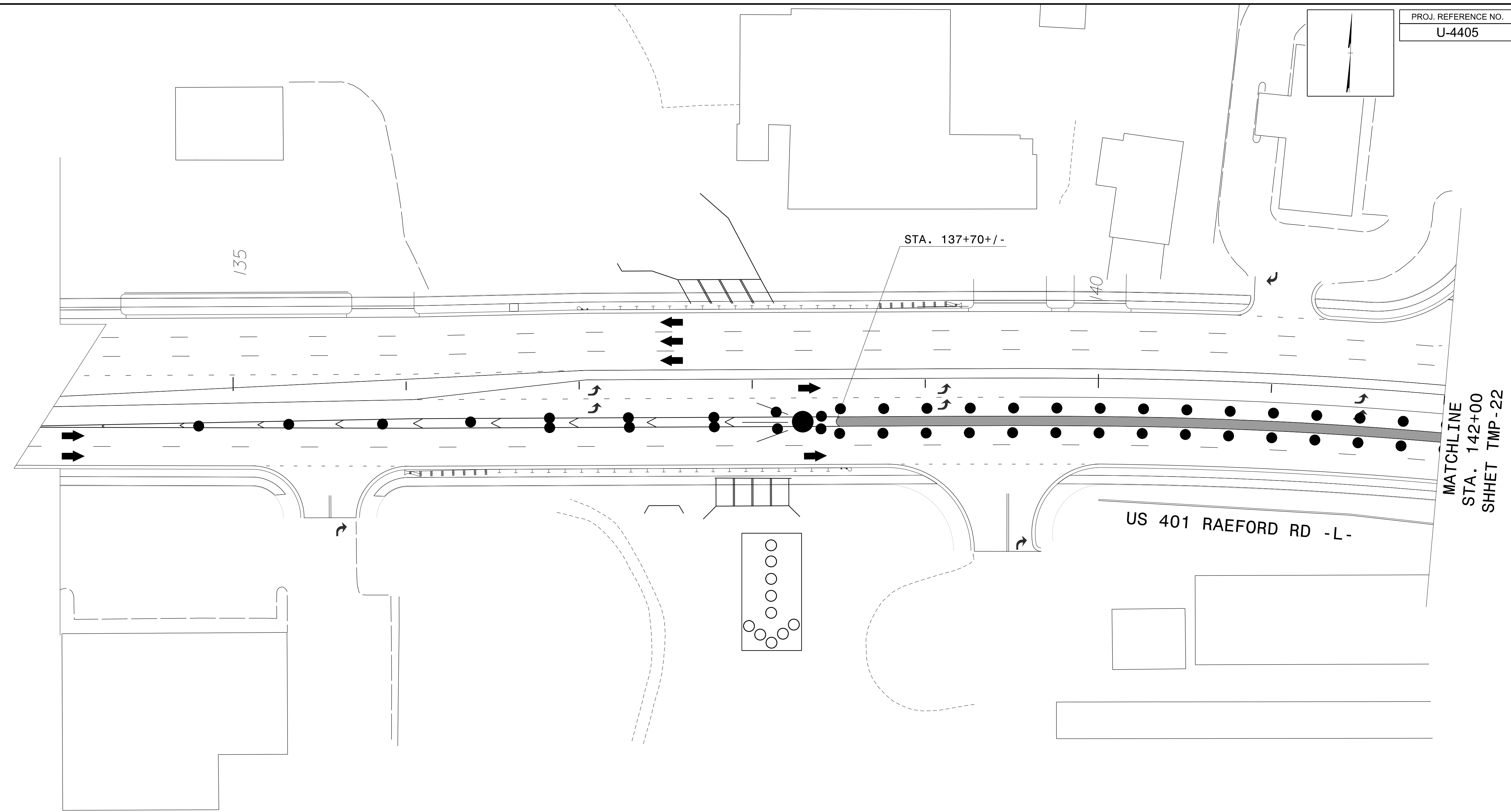
Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

DocuSigned by:
 J.W. Woolard
 19862
 ENGINEER
 W. WOOLARD, R.
 4/26/2018

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



**US 401 -L-
 PHASE III
 STEP 2**



NOTES

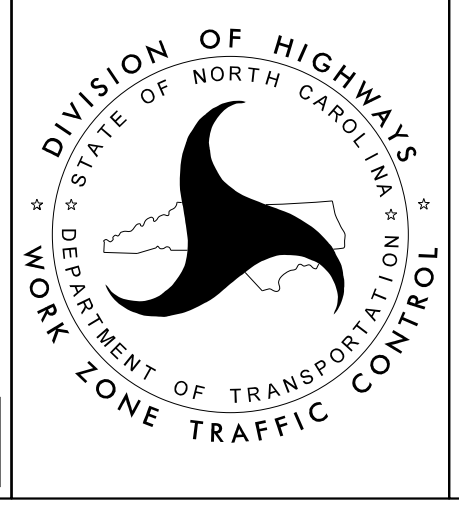
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

4/26/2018
U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP-21_PHASE 3 STEP 3.dgn
angood

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




DocuSigned by:
J.W. Woolard
19862
ENGINEER
V. W. WOOLARD, R.
4/26/2018

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



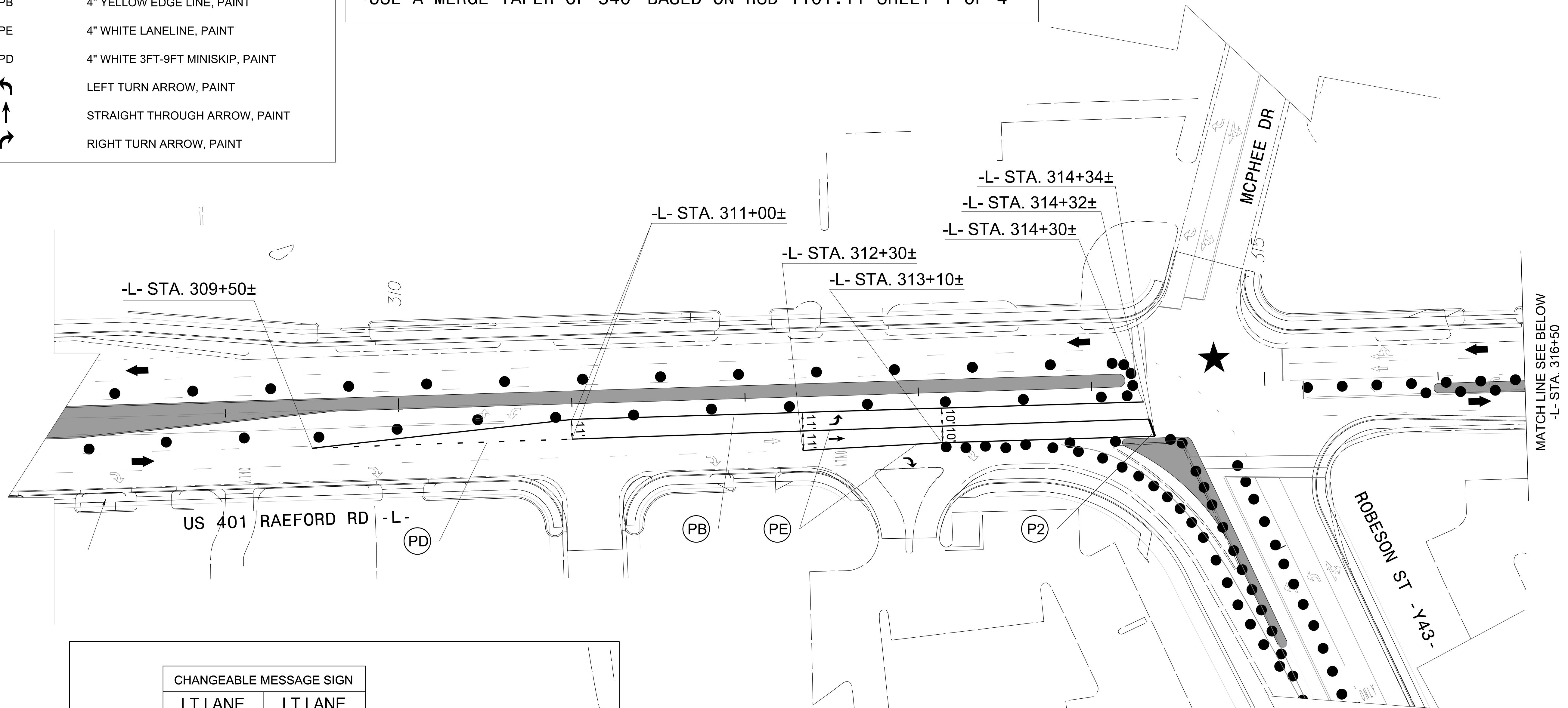
US 401 -L-
PHASE III
STEP 3

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P2	24" WHITE STOP BAR, PAINT
PB	4" YELLOW EDGE LINE, PAINT
PE	4" WHITE LANELINE, PAINT
PD	4" WHITE 3FT-9FT MINISKIP, PAINT
	LEFT TURN ARROW, PAINT
	STRAIGHT THROUGH ARROW, PAINT
	RIGHT TURN ARROW, PAINT

NOTES

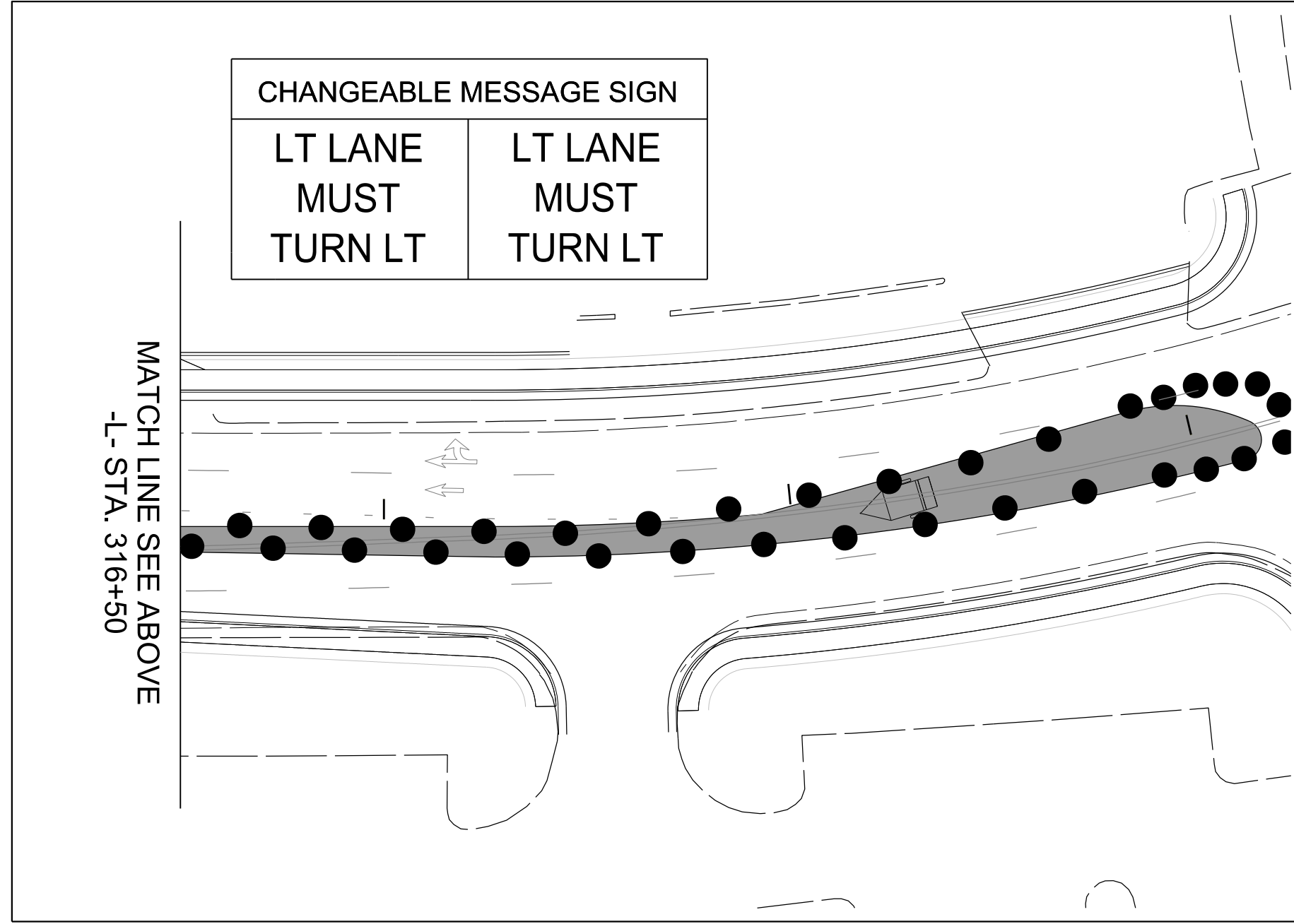
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4



MATCH LINE SEE BELOW
-L- STA. 316+50

CHANGEABLE MESSAGE SIGN	
LT LANE MUST TURN LT	LT LANE MUST TURN LT

MATCH LINE SEE ABOVE
-L- STA. 316+50



4/26/2018
U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP-23_PHASE 3_STEP 3.dgn
angood

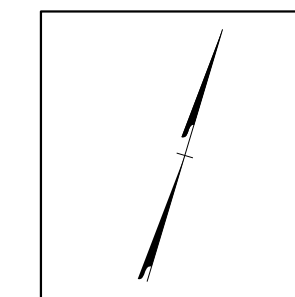
Stantec
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. 919.851.6866
Fax. 919.851.7024
www.stantec.com
License No. F-0672

DocuSigned by:
J.W. Woolard
PROFESSIONAL SEAL
19862
ENGINEER
W. WOOLARD, R.
4/26/2018

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

US 401 -L-
PHASE III

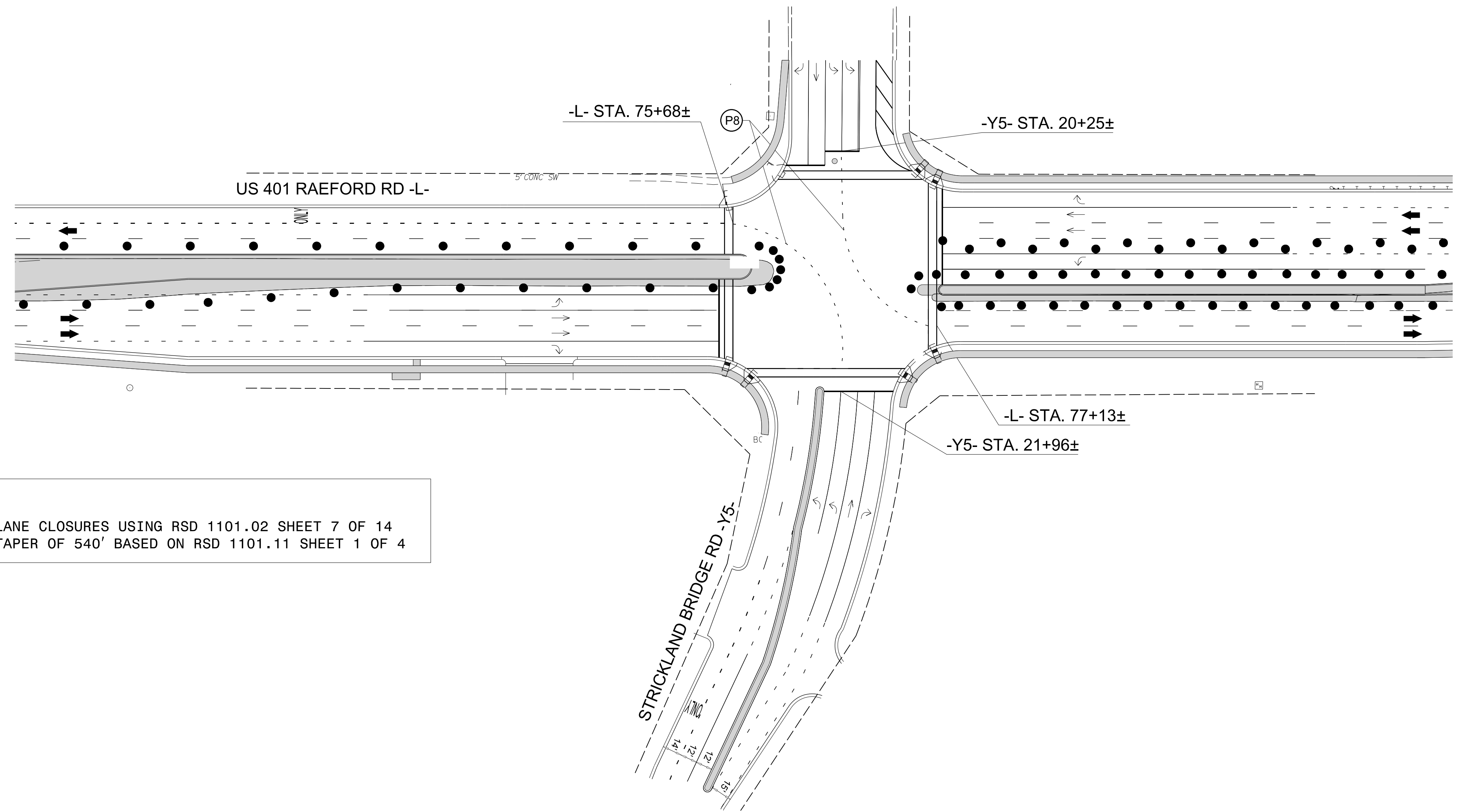
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE THE MINI-SKIPS FOR LANE CONTINUITY.

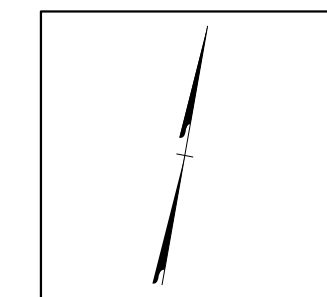


NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405.TMP_24.P3 US 401AT -Y5- DETAIL.dgn
 angood

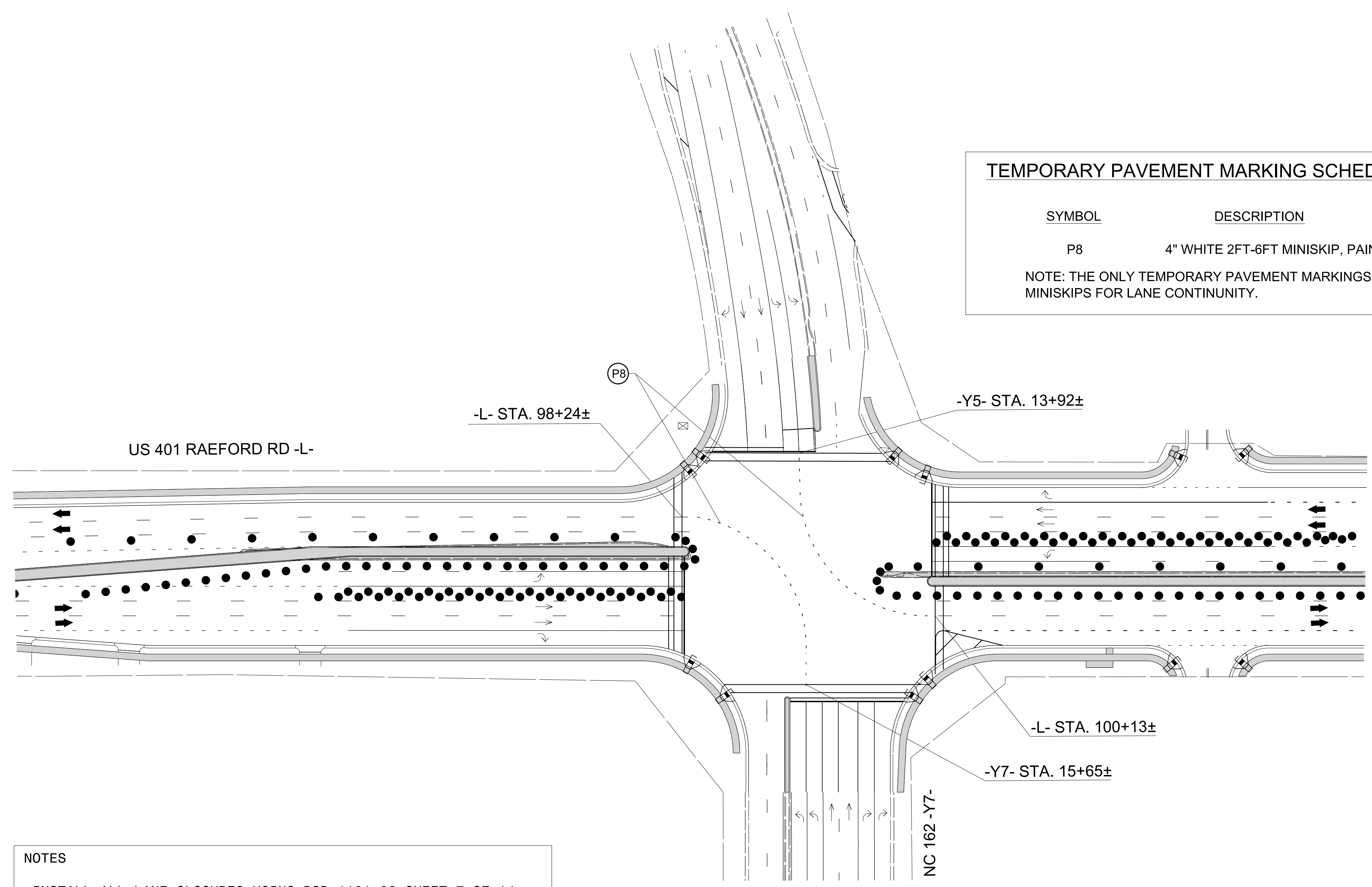
<p>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672</p>	<p>DocuSigned by: J.W. Woolard 19862 ENGINEER W. WOOLARD, R. NORTH CAROLINA PROFESSIONAL SEAL</p> <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p align="center">US 401 -L- AT STRICKLAND BRIDGE RD -Y5- PHASE III DETAIL</p>
---	--	--	---



TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE MINISKIPS FOR LANE CONTINUITY.

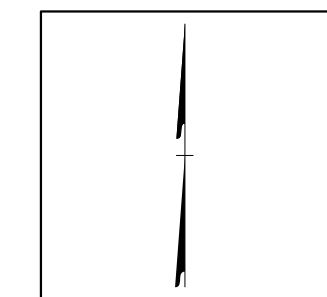


NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

4/26/2018
 Us:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_25.P3 US 401AT -Y7- DETAIL.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: 4/26/2018 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p>US 401 -L- AT NC 162 -Y7- PHASE III DETAIL</p>
---	---	--	---



NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

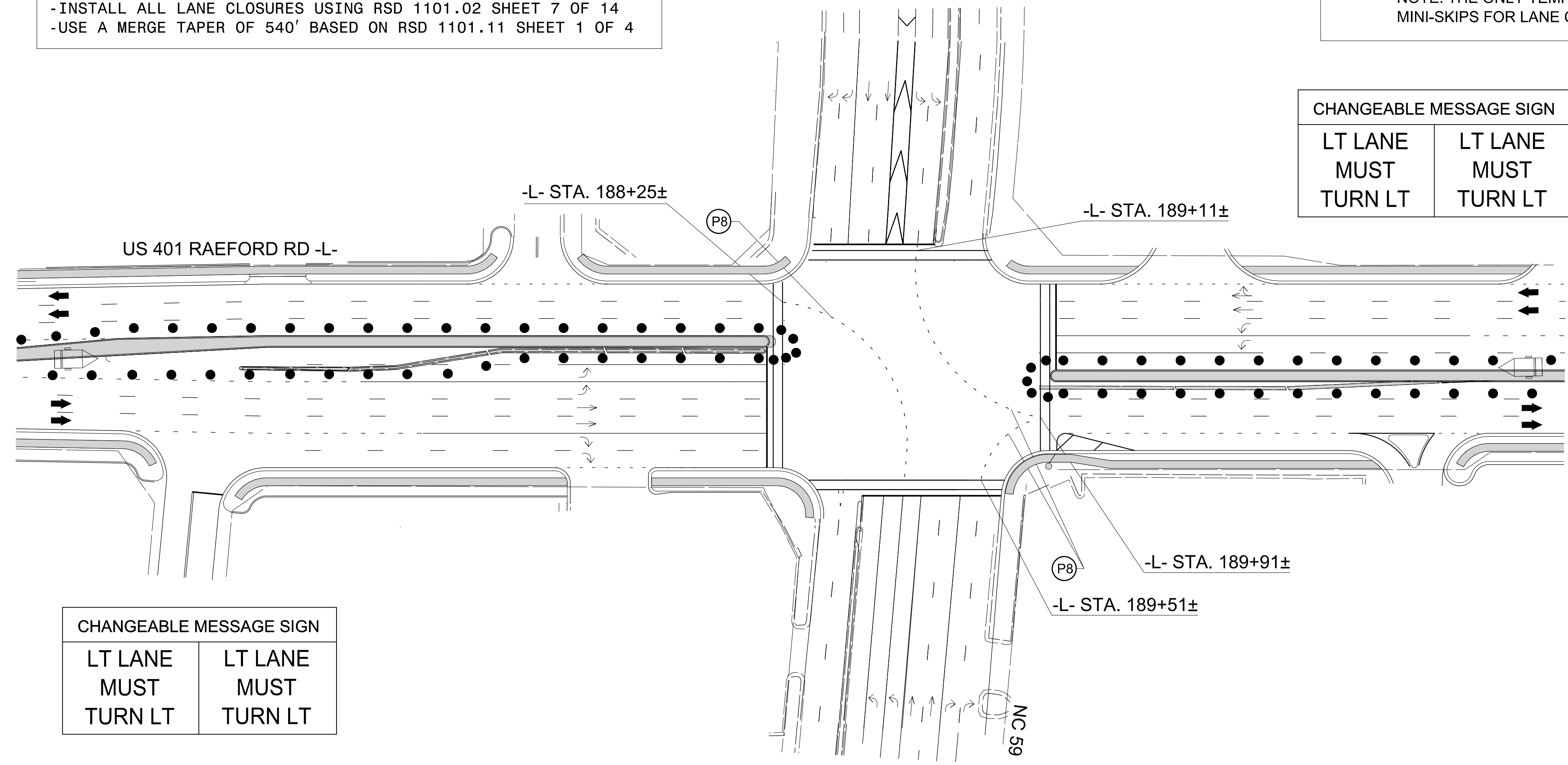
TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE MINI-SKIPS FOR LANE CONTINUITY.

CHANGEABLE MESSAGE SIGN

LT LANE MUST TURN LT	LT LANE MUST TURN LT
----------------------------	----------------------------

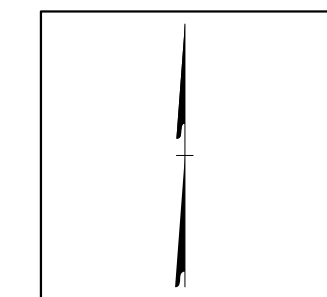


CHANGEABLE MESSAGE SIGN

LT LANE MUST TURN LT	LT LANE MUST TURN LT
----------------------------	----------------------------

4/26/2018
U:\Traffic\Transportation Management Plan\TCP\PLAN SHEETS\U-4405_TMP_26_P3_US_401AT_NC_59_DETAIL.dgn
angood

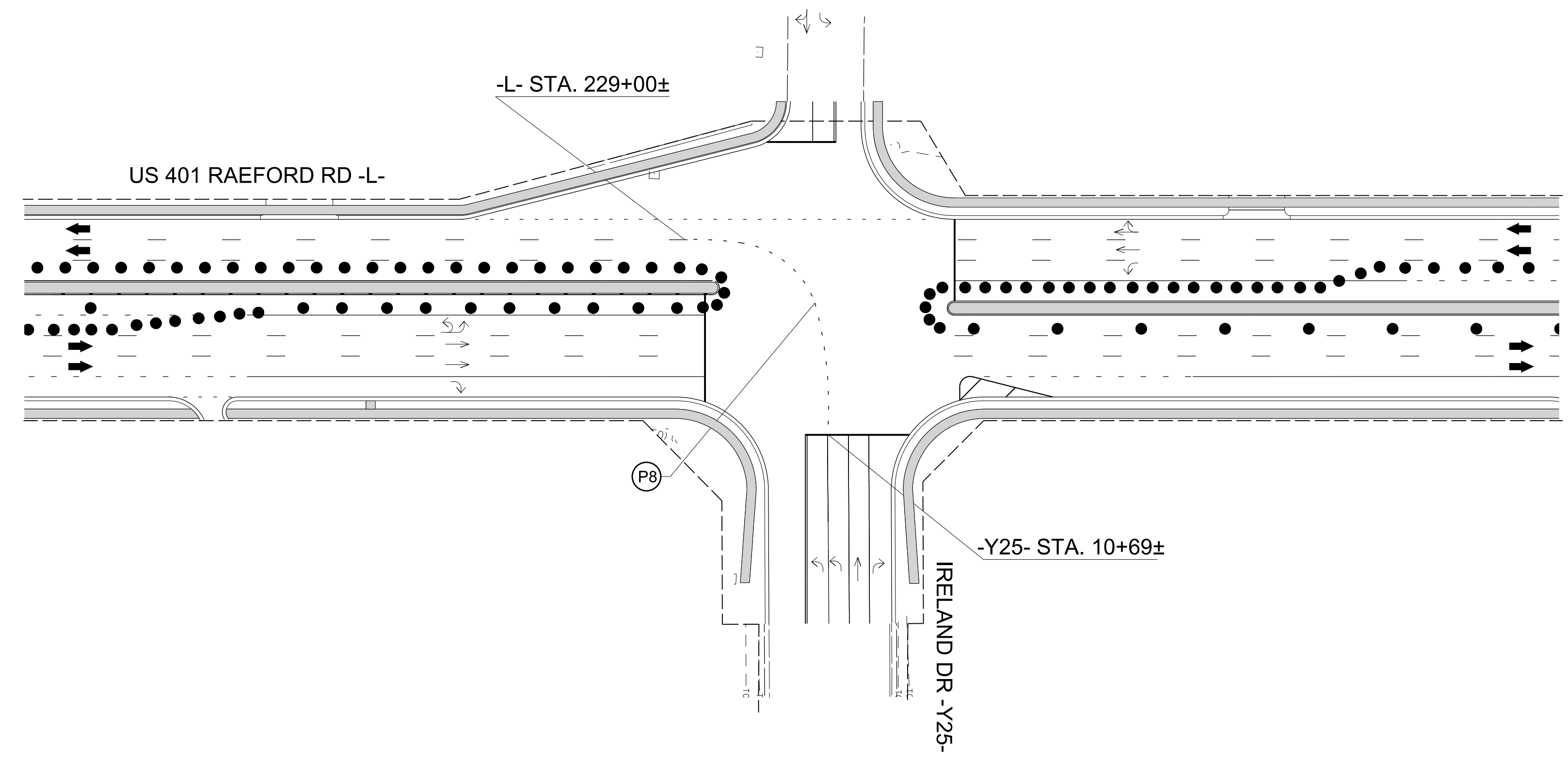
<p>Stantec Consulting Services Inc. 801 Jones Franklin Road Suite 300 Raleigh, NC 27606 Tel. 919.851.6866 Fax. 919.851.7024 www.stantec.com License No. F-0672</p>	<p>DocuSigned by: J.W. Woolard 19862 ENGINEER V.W. WOOLARD, P.E.</p> <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p align="center">US 401 -L- AT NC 59 PHASE III DETAIL</p>
--	---	--	---



TEMPORARY PAVEMENT MARKING SCHEDULE	
SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT
NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE MINI-SKIPS FOR LANE CONTINUITY.	

NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

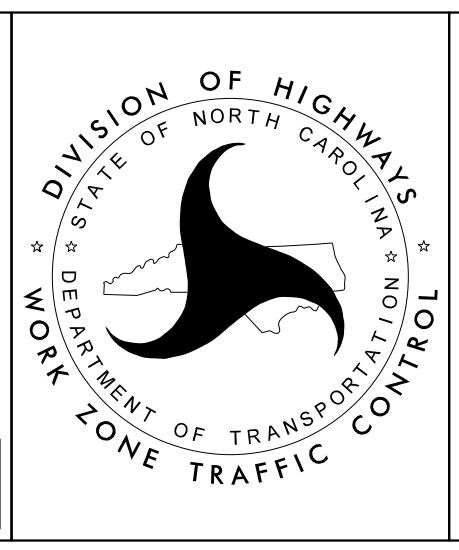


4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP-27_P3_US_401AT -Y25- DETAIL.dgn
 angood

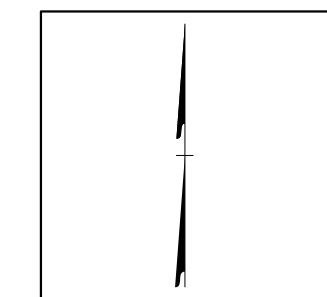
Stantec Consulting Services Inc.
 801 Jones Franklin Road
 Suite 300
 Raleigh, NC 27606
 Tel. 919.851.6866
 Fax. 919.851.7024
 www.stantec.com
 License No. F-0672

DocuSigned by:
 J.W. Woolard
 19862
 PROFESSIONAL SEAL
 ENGINEER
 W. WOOLARD, R.
 4/26/2018

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



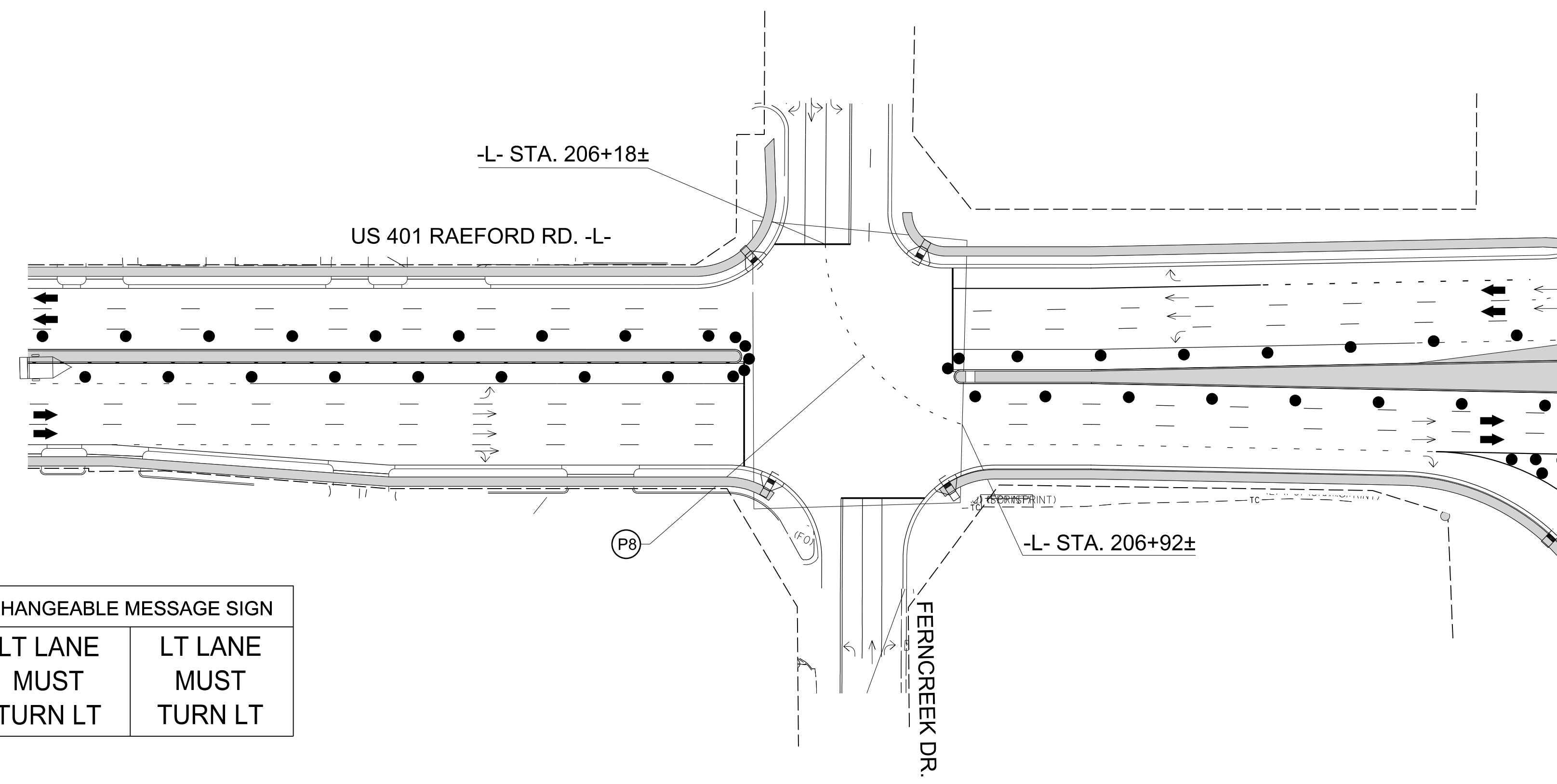
US 401 -L-
 AT IRELAND DR -Y25-
 PHASE III DETAIL



TEMPORARY PAVEMENT MARKING SCHEDULE	
SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT
NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE MINI-SKIPS FOR LANE CONTINUITY.	

NOTES

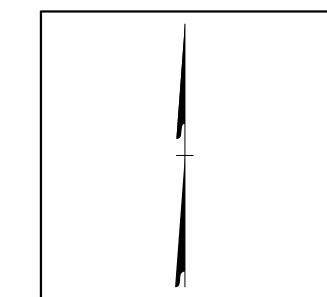
- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4



CHANGEABLE MESSAGE SIGN	
LT LANE MUST TURN LT	LT LANE MUST TURN LT

4/26/2018
U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP-28_P3_US_401AT_FERNCREEK_DETAIL.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: J.W. Woolard 19862 PROFESSIONAL SEAL ENGINEER W. WOOLARD, R.</p> <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p>US 401 -L- AT FERNCREEK DR PHASE III DETAIL</p>
--	---	--	--



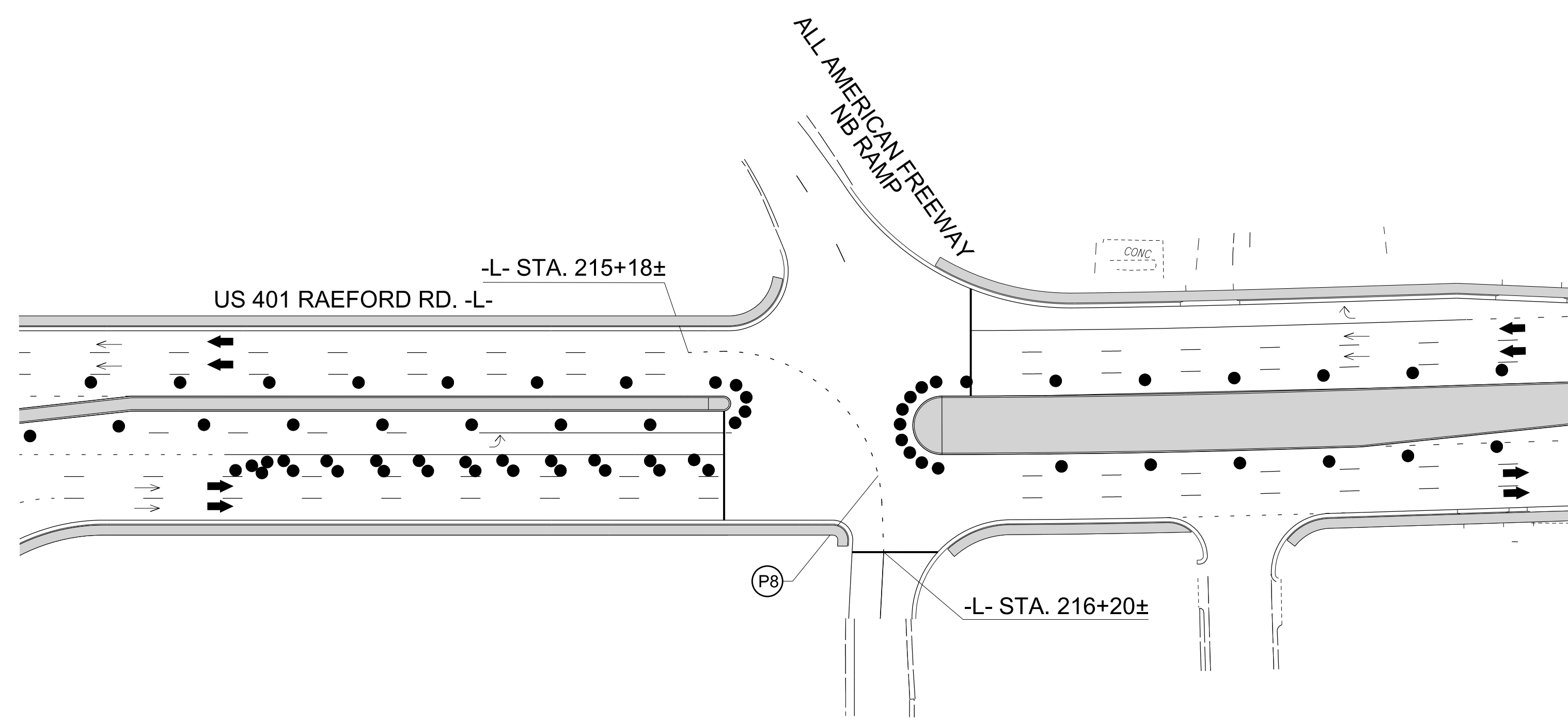
NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

TEMPORARY PAVEMENT MARKING SCHEDULE

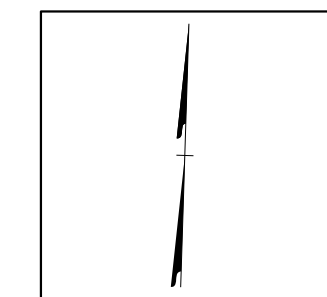
SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE MINISKIPS FOR LANE CONTINUITY.



4/26/2018
 U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP_29_P3_US_401AT_AA-NB RAMPS_DETAIL.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: <i>J.W. Woolard</i> PROFESSIONAL SEAL 19862 ENGINEER J. W. WOOLARD, R.</p> <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p align="center">US 401 -L- AT ALL AMERICAN FREEWAY NORTHBOUND RAMPS PHASE III DETAIL</p>
---	---	--	--



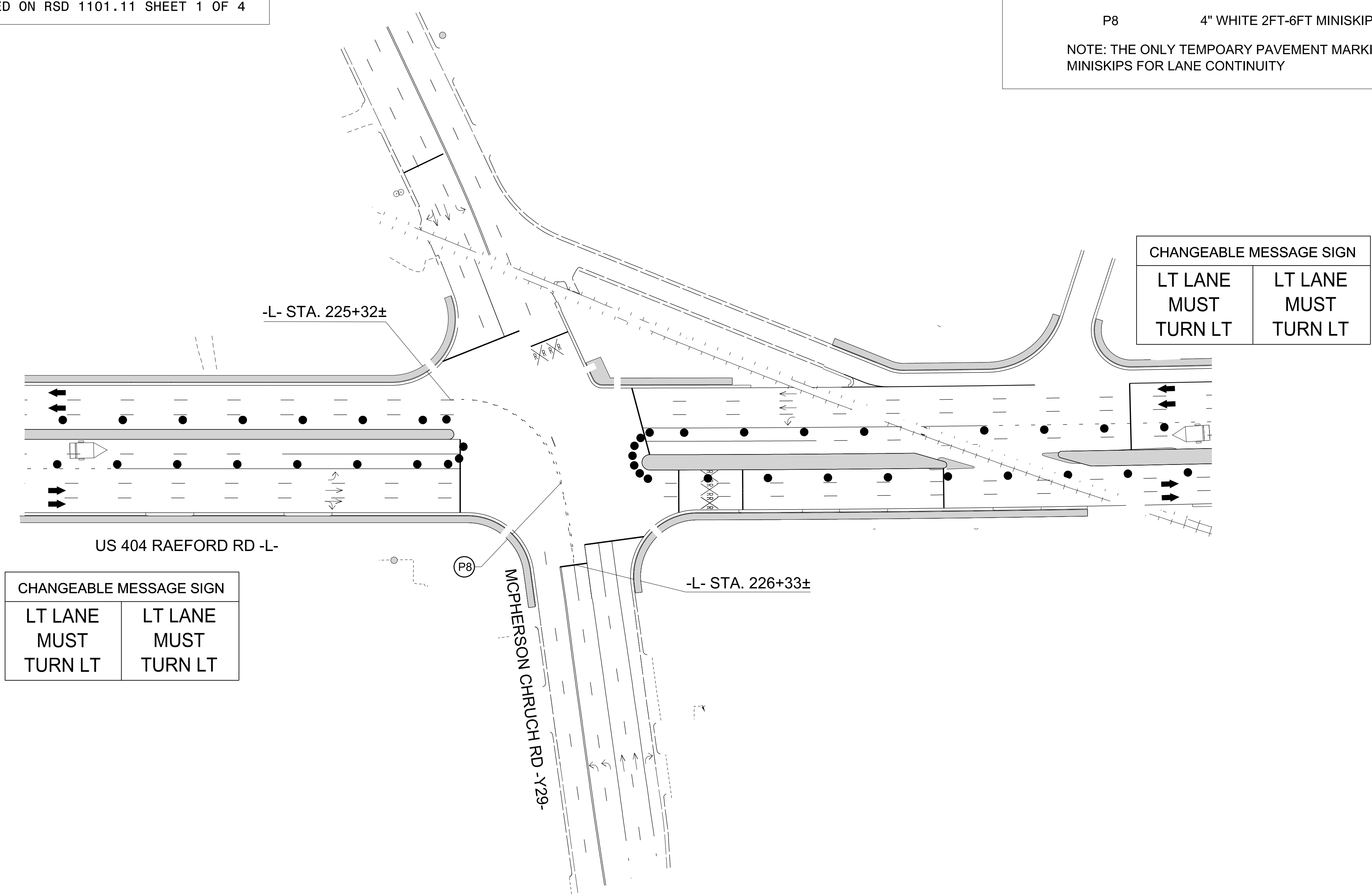
NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPOARY PAVEMENT MARKINGS ARE MINISKIPS FOR LANE CONTINUITY



CHANGEABLE MESSAGE SIGN

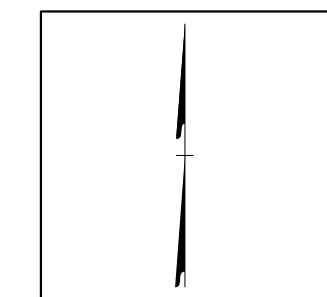
LT LANE MUST TURN LT	LT LANE MUST TURN LT
----------------------------	----------------------------

CHANGEABLE MESSAGE SIGN

LT LANE MUST TURN LT	LT LANE MUST TURN LT
----------------------------	----------------------------

4/26/2018
U:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP-30_P3_US 401AT -Y29- DETAIL.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: J.W. Woolard 19862 W. WOOLARD, R. ENGINEER</p> <p>4/26/2018</p> <p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>	<p>DIVISION OF HIGHWAYS DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL</p>	<p>US 401 -L- AT MCPHERSON CHRUUCH RD -Y29- PHASE III DETAIL</p>
--	---	--	--



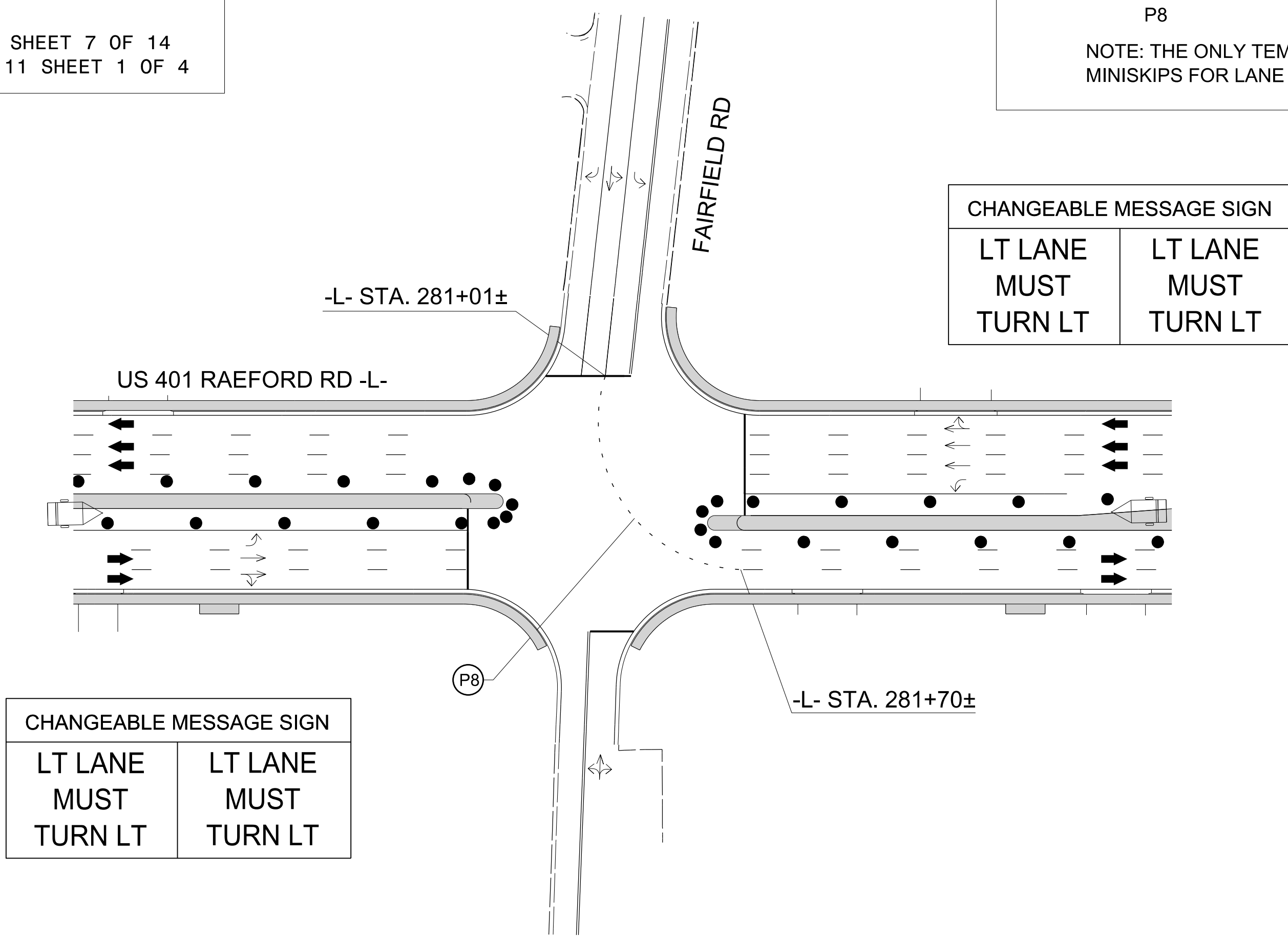
NOTES

- INSTALL ALL LANE CLOSURES USING RSD 1101.02 SHEET 7 OF 14
- USE A MERGE TAPER OF 540' BASED ON RSD 1101.11 SHEET 1 OF 4

TEMPORARY PAVEMENT MARKING SCHEDULE

SYMBOL	DESCRIPTION
P8	4" WHITE 2FT-6FT MINISKIP, PAINT

NOTE: THE ONLY TEMPORARY PAVEMENT MARKINGS ARE MINISKIPS FOR LANE CONTINUITY



4/26/2018
 Us:\Traffic\Transportation Management\Plan\TCP\PLAN SHEETS\U-4405_TMP-31_P3_US 401 AT FAIRFIELD RD DETAIL.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: 4/26/2018 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		<p align="center">US 401 -L- AT FAIRFIELD ROAD PHASE III DETAIL</p>
---	---	--	--