

**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.**

TRANSPORTATION MANAGEMENT PLAN

PENDER COUNTY

MANAGEMENT STRATEGIES

TO EXPEDITE THE COMPLETION OF THE PROPOSED STRUCTURE AND OPENING IT TO TRAFFIC, AN INCENTIVE/ DISINCENTIVE PROJECT SPECIAL PROVISION HAS BEEN INCLUDED IN THIS CONTRACT. THE REQUIRED TEMPORARY TRAFFIC PATTERN TO MEET THE INCENTIVE IS DETAILED ON SHEETS TMP-12 AND TMP-14.

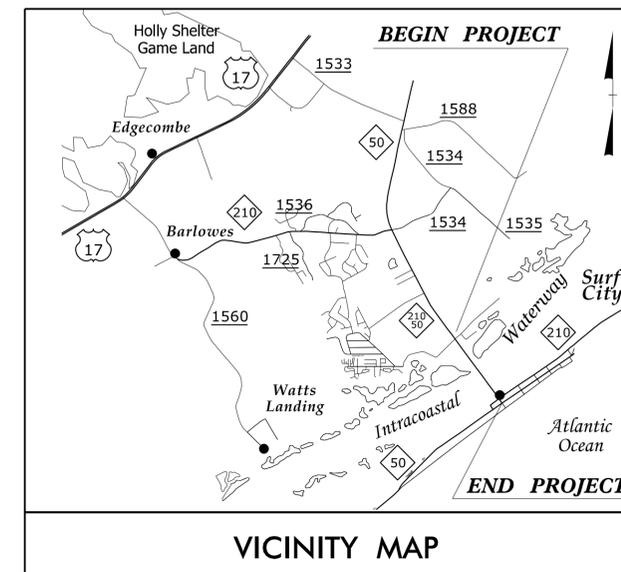
IT IS THE INTENT OF THIS TMP TO KEEP RESTRICTIONS TO A MINIMUM SO THAT THE INCENTIVE CAN BE MET, WHILE MAINTAINING A MINIMALLY DIMINISHED LEVEL OF TRAFFIC MOBILITY DURING THE PRIME SUMMER BEACH SEASON.

THE MAJORITY OF THE WORK REQUIRED TO MEET THE INCENTIVE WILL BE PERFORMED AWAY FROM TRAFFIC, HOWEVER, CONCRETE DELIVERIES AND BRIDGE GIRDER DELIVERIES TO THE PROJECT MAY HAVE A NEGATIVE IMPACT ON TRAFFIC DURING THE PRIME SUMMER BEACH SEASON AND HAVE BEEN MITIGATED DURING THIS TIME PERIOD AS FOLLOWS:

1. MULTI-VEHICLE CONCRETE DELIVERY OPERATIONS WILL NOT BE ALLOWED BETWEEN 2:00 PM AND 9:00 PM DAILY. THERE ARE NO RESTRICTIONS OUTSIDE THE PRIME SUMMER BEACH SEASON EXCEPT FOR HOLIDAY WEEKENDS.
2. BRIDGE GIRDER DELIVERIES THAT REQUIRE STOPPING OR IMPEDING TRAFFIC WILL ONLY BE ALLOWED BETWEEN 9:00 AM AND 3:00 PM MONDAY THRU THURSDAY. THERE ARE NO RESTRICTIONS OUTSIDE THE PRIME SUMMER BEACH SEASON EXCEPT FOR HOLIDAY WEEKENDS.
3. OPERATIONS THAT REQUIRE A FLAGGING OPERATION WILL ONLY BE ALLOWED AT NIGHT AFTER 9:00 PM MONDAY THRU THURSDAY. ONLY WEEKENDS AND HOLIDAYS ARE RESTRICTED OUTSIDE THE PRIME SUMMER BEACH SEASON.

THE MAINLAND ROUNDABOUT SHALL BE CONSTRUCTED USING TEMPORARY DETOUR ALIGNMENTS. THE ISLAND ROUNDABOUT SHALL BE CONSTRUCTED PRIMARILY AWAY FROM TRAFFIC BEHIND WATERFILLED BARRIER. THE TIE-IN WITH S. TOPSAIL DR. SHALL BE CONSTRUCTED USING EITHER A 14 CONSECUTIVE DAY CLOSURE/DETOUR OR A SERIES OF NIGHTLY CLOSURES DEPENDING ON WHEN THIS WORK IS PERFORMED.

UPON COMPLETION OF BRIDGE AND ROUNDABOUTS AND OPENING TO TRAFFIC AS REQUIRED BY THE INCENTIVE, THE REMAINDER OF THE PROJECT, INCLUDING ROLAND AVE., REMOVAL OF EXIST SWING BRIDGE, REMOVAL OF WORK BRIDGE, PLACEMENT OF FINAL PAVING LAYER AND PERMANENT PAVEMENT MAKINGS SHALL BE COMPLETED.



VICINITY MAP

INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B THRU TMP-1C	TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES AND GENERAL NOTES)
TMP-2	SPECIAL SIGN DESIGN
TMP-3	TEMPORARY TRAFFIC CONTROL PHASING
TMP-4 THRU TMP-6	TEMPORARY TRAFFIC CONTROL PHASE I DETAIL
TMP-7 THRU TMP-8	TEMPORARY TRAFFIC CONTROL PHASE II DETAIL
TMP-9 THRU TMP14	TEMPORARY TRAFFIC CONTROL PHASE III DETIAL AND DETOUR

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

APPROVED: *Don A. Parker*
DATE: 4/6/2016

SEAL



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) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. STATE TRAFFIC MANAGEMENT ENGINEER
J. S. KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER
D. A. PARKER, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER
S. N. GREEN TRAFFIC CONTROL DESIGN ENGINEER



ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE 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
1130.01	DRUM
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1165.01	WORK VEHICLE LIGHTING SYSTEMS AND TMA DELINEATION
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUM
1205.01	PAVEMENT MARKINGS - LINE TYPES & OFFSETS
1205.02	PAVEMENT MARKINGS - TWO-LANE AND MULTI-LANE ROADWAYS
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.12	PAVEMENT MARKINGS - BRIDGES
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY

LEGEND

GENERAL

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

- WORK AREA
- REMOVAL
- UNDER CONSTRUCTION
- FLAGGING

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

TRAFFIC CONTROL DEVICES

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

TEMPORARY SIGNING

- PORTABLE SIGN
- STATIONARY SIGN

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- STRAIGHT ARROW
- LEFT ARROW
- RIGHT ARROW

TEMPORARY PAVEMENT MARKING

- | | |
|-------------------------|-----------------------------------|
| 4" PAINT | 4" COLD APPLIED PLASTIC (TYPE IV) |
| PA WHITE EDGELINE | RA WHITE EDGELINE |
| PE WHITE LANE LINE | RE WHITE TURN LANE LINE |
| PC WHITE SKIP | RD WHITE MINI SKIP |
| PD WHITE MINI SKIP | RI YELLOW DOUBLE CENTER |
| PI YELLOW DOUBLE CENTER | |

- 8" PAINT
- PS WHITE GORE LINE
 - PX WHITE CROSSWALK
 - PL WHITE MINI SKIP

- 24" PAINT
- P4 WHITE STOP BAR

- SYMBOLS
- QA LEFT ARROW
 - QB RIGHT ARROW
 - QC STRAIGHT ARROW
 - QJ FISH HOOK THRU/LEFT ARROW
 - QI FISH HOOK LEFT ARROW
 - QH FISH HOOK THRU ARROW

- TEMPORARY MARKERS
- MH YELLOW & YELLOW
 - MM CRYSTAL & CRYSTAL

APPROVED: *Don A. Parker*
200482802018410

DATE: 6/14/2016

ROADWAY STANDARD DRAWINGS & LEGEND

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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
ALL ROADS	MAY 16 - SEPTEMBER 14 MONDAY THRU THURSDAY 6:00 AM TO 9:00 PM AND FRIDAY 6:00 AM TO SUNDAY 9:00 PM
ALL ROADS	SEPTEMBER 15 - MAY 15 FRIDAY 12:00 PM TO SUNDAY 9:00 PM

*NOTE: THE TIME RESTRICTIONS FOR CLOSING OR NARROWING TRAVEL LANES AS DESCRIBED IN NOTE "A" DO NOT APPLY TO GIRDER DELIVERY OPERATIONS.

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

ROAD NAME
ALL ROADS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 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 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

C) FOR BRIDGE GIRDER DELIVERIES, DO NOT IMPEDE OR STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION AND OPERATION
ALL ROADS	MAY 16 - SEPTEMBER 14 MONDAY THRU THURSDAY 6:00 AM TO 9:00 AM AND 3:00 PM TO 9:00 PM AND FRIDAY 6:00 AM TO SUNDAY 9:00 PM	15 MINUTES/ GIRDER DELIVERY

D) DO NOT IMPEDE OR STOP TRAFFIC FOR BRIDGE GIRDER DELIVERIES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
ALL ROADS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 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 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

E) DO NOT CONDUCT MULTI-VEHICLE HAULING FOR CONCRETE DELIVERIES AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
ALL ROADS	MAY 16 - SEPTEMBER 14 MONDAY THRU SUNDAY 2:00 PM TO 9:00 PM

F) DO NOT CONDUCT MULTI-VEHICLE HAULING FOR CONCRETE DELIVERIES DURING HOLIDAYS AND SPECIAL EVENTS AS FOLLOWS:

ROAD NAME
ALL ROADS

HOLIDAY

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 9:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 9:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 9:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 9:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 9:00 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 9:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.
- FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 9:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 9:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 9:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.

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

APPROVED: <u>Don A. Parker</u> <small>40048262018410</small> DATE: 4/6/2016			<h2 style="margin: 0;">GENERAL NOTES</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

GENERAL NOTES

LANE AND SHOULDER CLOSURE REQUIREMENTS

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

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

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

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

 BACKFILL WITH SUITABLE COMPACTED MATERIAL, AS APPROVED BY THE ENGINEER, AT NO EXPENSE TO THE DEPARTMENT.
- N) 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) 300' IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- P) 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.
- Q) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.

 PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.
- R) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.

 COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.
- S) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.

TRAFFIC BARRIER

- T) 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.
- U) 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: (SEE ALSO 1101.05)

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

TRAFFIC CONTROL DEVICES

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED
BRIDGE SURFACE	COLD APPLIED PLASTIC (TYPE IV)	TEMPORARY RAISED
- Y) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.
- Z) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
- AA) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

MISCELLANEOUS

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

4/6/2016
 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_01B-C.dgn
 User:tsngrreen

APPROVED: <u>Don A. Parker</u> <small>400482862618410</small> DATE: 4/6/2016 		<h2 style="margin: 0;">GENERAL NOTES</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

SIGN NUMBER: SP16107 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 2'-4" TOTAL AREA: 9.3 Sq.Ft. BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.625" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MATERIAL: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: HKS PROJECT ID: B-4929 LOCATION: PENDER CO. AIA DIV: DIV Mar 24, 2016
--	---	---

BORDER R=1.5" TH=0.625" IN=0.38"

USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter													Series/Size			
													Text Length			
C	O	N	S	T	R	U	C	T	I	O	N		C 2000			
7.9	3	3.2	2.9	2.6	2.6	2.9	3	2.7	2.6	1.4	3.2	2.2	7.9	32.3		
A	R	E	A											C 2000		
18.5	3.1	2.9	2.4	2.6	18.5									11		
N	O	T	R	E	S	P	A	S	S	I	N	G		C 2000		
4.8	3	2.4	4	2.6	2.9	2.5	2.9	2.7	2.9	2.7	2.9	1.4	3	2.2	4.8	38.4

Spacing Factor is 1 unless specified otherwise

FILENAME: b4929_workzone sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SP16106 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-6" HEIGHT: 2'-6" TOTAL AREA: 11.3 Sq.Ft. BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.625" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MATERIAL: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: HKS PROJECT ID: B-4929 LOCATION: PENDER CO. AIA DIV: 3 Mar 24, 2016
---	---	---

BORDER R=1.5" TH=0.625" IN=0.38"

USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter																		Series/Size			
																		Text Length			
B	I	K	E	S	&	P	E	D	E	S	T	R	I	A	N	S		C 2000			
4	2.7	1.2	2.7	2.4	2.2	2	3.5	2	2.8	2.5	2.8	2.4	2.5	2.5	2.7	1	3	2.7	2.2	4	46
O	N	L	Y																		C 2000
22.2	2.5	2.4	2.1	2.6	22.2																9.6
B	E	Y	O	N	D	T	H	I	S	P	O	I	N	T							C 2000
7.1	2.4	2.1	2.7	2.5	2.4	2.2	4	2.2	2.4	0.7	2.2	4	2.4	2.5	0.7	2.4	2	7.1			39.9

Spacing Factor is 1 unless specified otherwise

FILENAME: b4929_workzone sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

SIGN NUMBER: SP16108 TYPE: STATIONARY QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 1'-6" TOTAL AREA: 6.0 Sq.Ft. BORDER TYPE: INSET RECESS: 0.38" WIDTH: 0.625" RADII: 1.5" NO. Z BARS: LENGTH:	BACKG COLOR: Fluorescent Orange COPY COLOR: Black SYMBOL X Y WID HT MATERIAL: 0.080" (2.0 mm) ALUMINUM	DESIGN BY: HKS PROJECT ID: B-4929 LOCATION: PENDER CO. AIA DIV: DIV Mar 24, 2016
--	---	---

BORDER R=1.5" TH=0.625" IN=0.38"

USE NOTES: 1,2
1. Legend and border shall be direct applied black non-reflective sheeting.
2. Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter										Series/Size		
										Text Length		
T	O	P	S	A	I	L	D	R		D 2000		
2.8	4	4.7	4.2	4.2	5.4	1.5	3.7	4	4.5	4.1	4.8	40.4

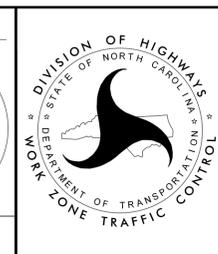
Spacing Factor is 1 unless specified otherwise

FILENAME: b4929_workzone sign designs NORTH CAROLINA D.O.T. SIGN DETAIL

APPROVED: *Ayman Alqudwah*
F32AC5CAF985472...

DATE: 4/6/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



SPECIAL SIGN DESIGN

4/6/2016 P:\TIP\Projects-B\B4929\Traffic\TrafficControl\TCP\B4929_TC_TMP_02.dgn User:tsngrreen

IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS, CONSTRUCT THE PROPOSED BRIDGE, ROUNDABOUTS AND TIE-INS AS DESCRIBED IN PHASE I, STEP 1, THRU PHASE III, STEP 5 AND OPEN TO THE TEMPORARY TRAFFIC PATTERN DETAILED ON SHEETS TMP-12 AND TMP-14.

PHASE I

STEP 1: -- INSTALL ADVANCE WARNING SIGNS IN ACCORDANCE WITH RSD 1101.01, SHEET 3.

NOTE: STEPS 2 AND 3 ARE CONCURRENT

STEP 2: -- MAINTAINING EXISTING TRAFFIC PATTERNS, WORKING AWAY FROM TRAFFIC AND USING FLAGGING AS NECESSARY, BEGIN BRIDGE AND APPROACH CONSTRUCTION, INCLUDING UTILITY RELOCATION (WATER AND SEWER), RETAINING WALLS, AND STORM DRAINAGE FROM -L2- STA. 18+50 +/- TO STA. 56+06 +/- (SEE TMP-4 AND 5 AND RSD 1101.02, SHEET 1 AND 2).

STEP 3: -- CLOSE S. NEW RIVER DR. TO VEHICULAR AND PEDESTRIAN TRAFFIC AS SHOWN ON SHEET TMP-5.

-- COMPLETE UTILITY RELOCATION (WATER AND SEWER) AT THE ISLAND ROUNDABOUT (-RA2-) (SEE UTILITY PLANS).

STEP 4: -- CONSTRUCT INFILTRATION BASIN, STORM DRAINAGE AND PROPOSED SIDEWALK AS SHOWN ON TMP-5. INSTALL ORANGE SAFETY FENCE AND OPEN TO PEDESTRIANS. CLOSE KINSTON AVE. TO PEDESTRIAN TRAFFIC.

STEP 5: -- BEGIN CONSTRUCTION OF END BENT NO. 2, SPAN AC, AND STORM DRAINAGE AS SHOWN ON TMP-6.

PHASE II

NOTE: STEPS 1 THRU 3 ARE CONCURRENT

STEP 1: -- CONTINUE BRIDGE CONSTRUCTION ON NEW LOCATION AS BEGUN IN PHASE I.

STEP 2: -- USING FLAGGERS, CONSTRUCT ROLAND AVE. (-Y1-), ATKINSON POINT RD. (-Y1A-), -L1DET-, AND -L2DET- TO THE EDGE AND ELEVATION OF EXISTING PAVEMENT (SEE RSD 1101.02, SHEET 1 AND 2 AND TMP-7)

STEP 3: -- USING FLAGGERS, RE-STRIPE S. TOPSAIL DR. (-Y4-) FOR THE TEMPORARY PATTERN SHOWN ON TMP-8 AND INSTALL WATER FILLED BARRIER. (SEE RSD 1101.02, SHEET 1 AND 2 AND TMP-8)

-- BEHIND WATER FILLED BARRIER, CONSTRUCT THE ISLAND ROUNDABOUT (-RA2-) FROM -Y3- STA. 12+50 +/- TO -Y4- STA. 15+57 +/-, INCLUDING MONOLITHIC CONCRETE ISLANDS, INCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TMP-8)

-- USING FLAGGERS, CONSTRUCT WIDENING AND CURB ON NEW RIVER DR./NC 210 (-Y3-) AND ON ROLAND AVE. (-Y5-) (SEE RSD 1101.02, SHEET 1 AND 2 AND TMP-8)

PHASE III

CONTRACTOR SHALL NOT BEGIN PHASE III, STEP 1 PRIOR TO SEPTEMBER 15, 2018

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE STEP 1 IN A SINGLE WORK PERIOD.

STEP 1: -- USING FLAGGERS, TIE IN NC 50/210 (-L1-), ROLAND AVE. (-Y1-) ATKINSON POINT RD. (-Y1A-) AND LITTLE KINSTON RD. (-Y2-) AND OPEN TO THE PATTERN DETAILED ON TMP-9.

STEP 2: -- USING FLAGGERS AS NECESSARY, CONSTRUCT -RA1-, INCLUDING THE FINAL LAYER OF SURFACE COURSE, AND MONOLITHIC CONCRETE ISLANDS FROM -L1- STA. 15+00 +/- TO -L2- STA. 18+50 +/- AND FROM -Y1- STA. 10+50 +/- TO -Y2- STA. 10+90 +/- AS SHOWN ON TMP-9 AND INSTALL TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN. (SEE PM PLAN)

STEP 3: -- COMPLETE BRIDGE AS BEGUN IN PHASE I AND INSTALL TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN. (SEE TMP-12 AND 14 AND PM PLAN)

IF THE WORK OF PHASE III, STEP 4 IS PERFORMED BETWEEN OCTOBER 15 AND APRIL 15, THE CONTRACTOR SHALL CLOSE S. TOPSAIL DR. FOR 14 CONSECUTIVE CALENDAR DAYS TO COMPLETE THE WORK OF STEP 4. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

IF THE WORK OF PHASE III, STEP 4 IS PERFORMED BETWEEN APRIL 16 AND OCTOBER 14, THE CONTRACTOR SHALL CLOSE S. TOPSAIL DR. S. TOPSAIL DR. NIGHTLY FROM 9:00 PM TO 6:00 AM THE FOLLOWING MORNING, MONDAY THRU THURSDAY. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 4: -- USING THE OFF-SITE DETOUR DETAILED ON TMP-11, CLOSE S. TOPSAIL DR. TO TRAFFIC.

-- TIE IN S. TOPSAIL DR. (-Y4-) WITH -RA2- FROM -Y4- STA. 14+35 +/- TO STA. 15+57 +/- INCLUDING DRAINAGE, CURB & GUTTER, CONCRETE ISLANDS AND PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TMP-10).

-- INSTALL TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN AND OPEN -RA2- TO TRAFFIC WITH THE LEG TO THE BRIDGE CLOSED WITH TYPE III BARRICADES AND DRUMS.

NOTE: WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK OF STEP 5 IN A SINGLE WORK PERIOD.

STEP 5: -- USE FLAGGERS TO WEDGE TEMPORARY CONNECTIONS FROM NC 50-210 TO -RA1-, PLACE TEMPORARY PAVEMENT MARKINGS AND OPEN -RA1-, PROPOSED BRIDGE, AND -RA2- TO TRAFFIC. (SEE TMP-12 AND 14)

STEP 6: -- USE FLAGGERS TO COMPLETE DRAINAGE AND CURB AND GUTTER AT -RA1-. (SEE TMP-12)

-- CLOSE THE EB DIRECTION OF ROLAND AVE. AT -Y1- STA. 21+63 +/- . (SEE TMP-13)

PHASE III CONTINUED

STEP 7: -- DEACTIVATE EXISTING SIGNAL AT TOPSAIL DR. AND ROLAND AVE.

-- MAINTAIN 1 LANE WB (LOCAL TRAFFIC) ON ROLAND AVE. (-Y1-) FROM THE NEW RIVER DR./-RA2- INTERSECTION HEADING WB. (SEE TMP-13 AND 14)

-- MAINTAIN 1 LANE WB ON ROLAND AVE. (-Y1-) FROM THE TOPSAIL DR. INTERSECTION HEADING TO THE RIGHT TURN ONLY TO NEW RIVER DR. HEADING NB. (SEE TMP-14)

CONSTRUCT THE CURB AND GUTTER ADJACENT TO THE EB LANE OF ROLAND AVE. FROM -Y1- STA. 35+80 +/- TO STA. 47+60 AND FROM -Y1- STA. 49+20 +/- TO -Y5- STA. 12+95 +/- . (SEE TMP-13 AND 14)

-- PAVE THE EB LANE OF ROLAND AVE. FROM -Y1- STA. 35+80 +/- TO STA. 50+92 +/- -UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TMP-13 AND 14)

STEP 8: -- MAINTAIN 1 LANE WB (LOCAL TRAFFIC) ON ROLAND AVE. (Y1-) IN THE EB LANE FROM THE NEW RIVER DR./-RA2- INTERSECTION HEADING WB.

-- MAINTAIN 1 LANE WB ON ROLAND AVE. (-Y1-) IN THE EB LANE FROM THE TOPSAIL DR. INTERSECTION HEADING TO THE RIGHT TURN ONLY TO NEW RIVER DR. HEADING NB.

-- PAVE THE WB LANE OF ROLAND AVE. (-Y1-) FROM -Y1- STA. 35+80 +/- TO STA. 50+92 +/- -UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE.

-- USING FLAGGERS, CONSTRUCT THE CONCRETE ISLAND ON NEW RIVER DR. (SEE TMP-14)

STEP 9: -- OPEN ROLAND AVENUE TO THE FINAL 2L2W TRAFFIC PATTERN WITH TYPE III BARRICADES PLACED TO CLOSE IT IN ADVANCE OF BOTH PROPOSED CUL DE SAKS.

-- TRAFFIC IS NOW IN THE FINAL PATTERN.

PHASE IV

STEP 1: -- AWAY FROM TRAFFIC CONSTRUCT PROPOSED CUL DE SACS AND COMPLETE SIDEWALKS.

-- USE FLAGGERS TO REMOVE EXISTING ASPHALT PAVEMENT.

STEP 2: -- AWAY FROM TRAFFIC, REMOVE EXISTING SWING BRIDGE AND WORK BRIDGE.

STEP 3: -- USING FLAGGERS, PLACE FINAL LAYER OF SURFACE COURSE AND PAVEMENT MARKINGS/MARKERS THROUGHOUT THE PROJECT LIMITS.

STEP 4: -- REMOVE ALL TRAFFIC CONTROL DEVICES.

SEE PROJECT SPECIAL PROVISIONS

SEE PROJECT SPECIAL PROVISIONS

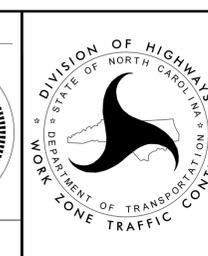
6/13/2016
P:\TIP\Projects-B\B4929\Traffic\TrafficControl\TCP\B4929_TC_TMP_03.dgn
User:tsngrreen

APPROVED: Don A. Parker
400482862618410

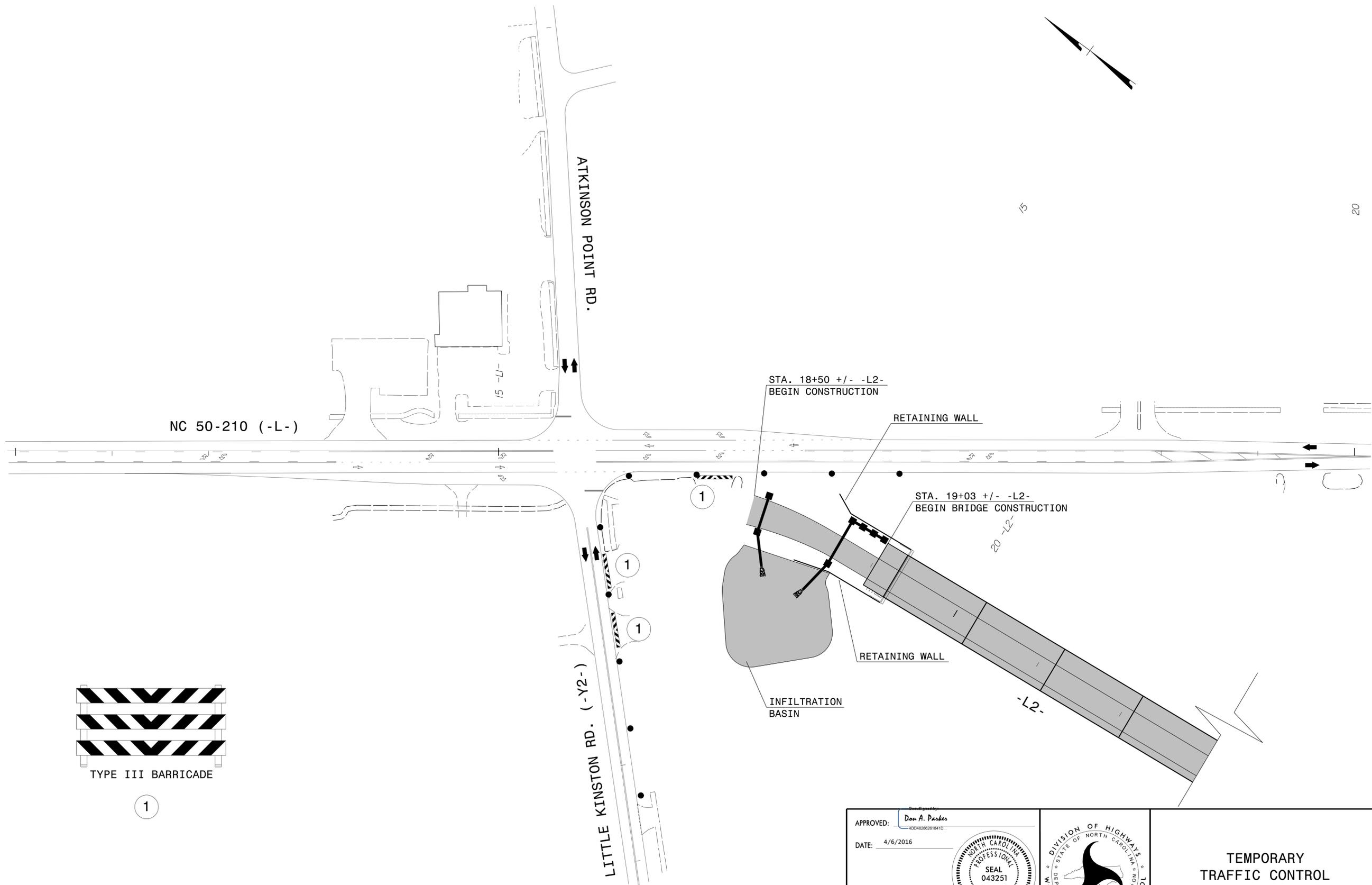
DATE: 6/14/2016



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



**TEMPORARY
TRAFFIC CONTROL
PHASING**



1

4/6/2016
 P:\TIP\Projects-B\B4929\Traffic\TrafficControl\TCP\B4929_TC_TMP_04.dgn
 User:sngrreen

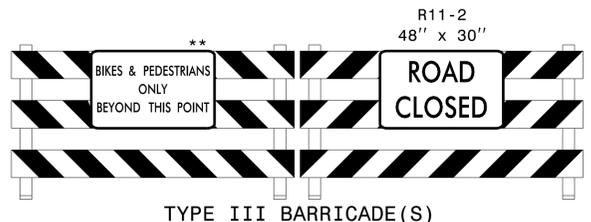
APPROVED: Don A. Parker
400482862618410

DATE: 4/6/2016

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



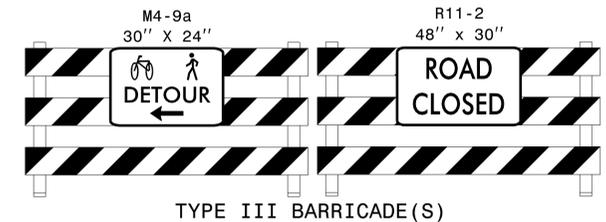
**TEMPORARY
 TRAFFIC CONTROL
 PHASE I**



①

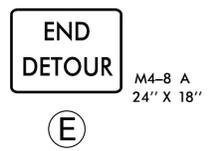
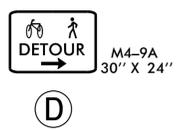
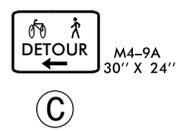
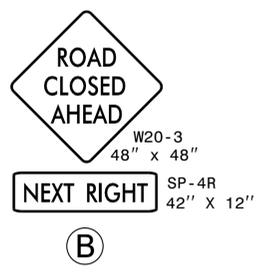
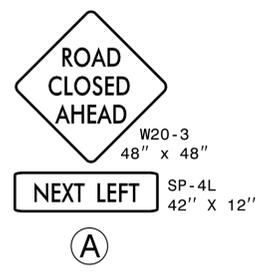
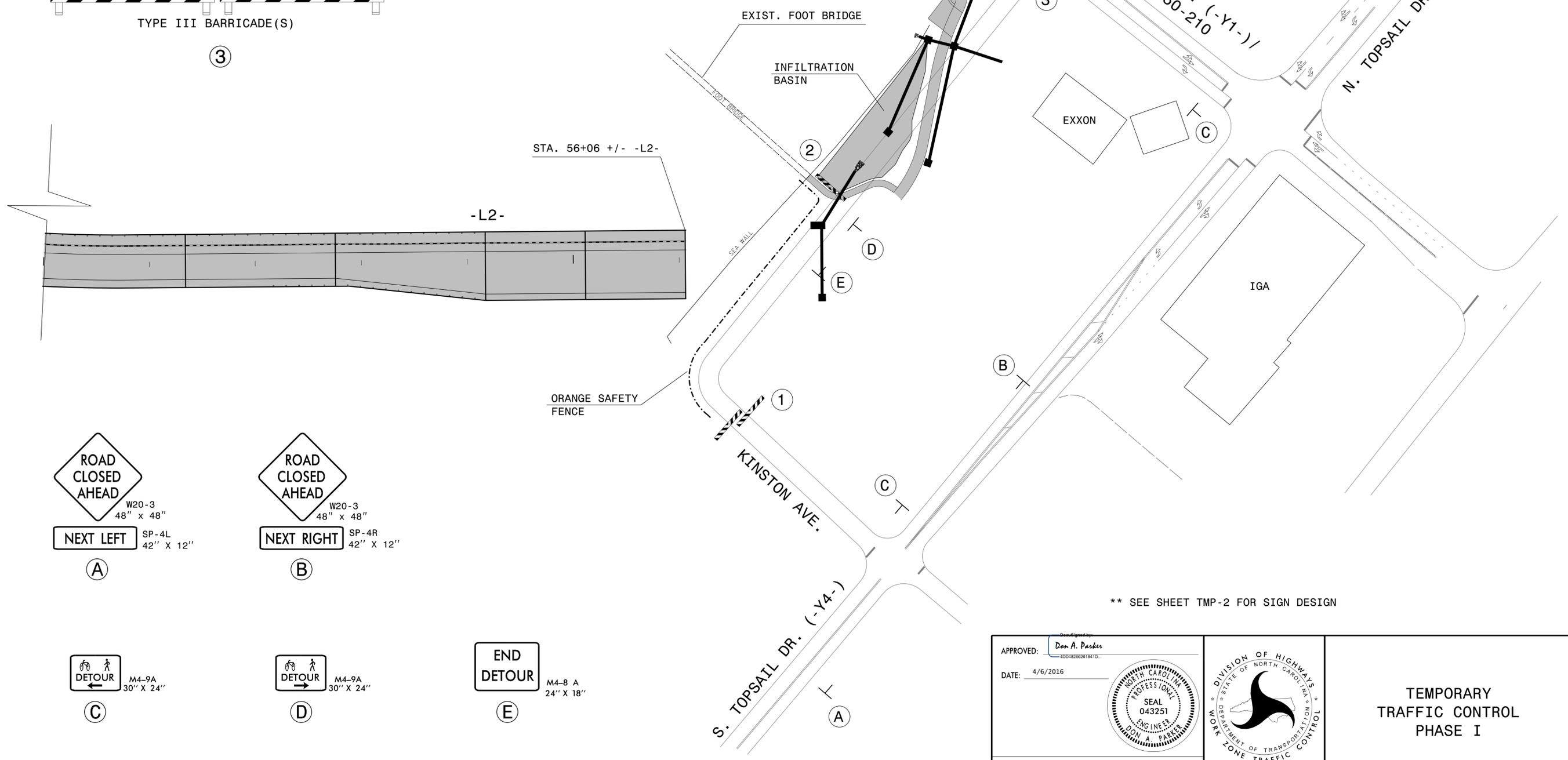


②



③

NOTE:
MAINTAIN BIKE AND PEDESTRIAN ACCESS TO EXISTING FOOT BRIDGE VIA N. TOPSAIL DR. AND KINSTON AVE.



** SEE SHEET TMP-2 FOR SIGN DESIGN

APPROVED: *Don A. Parker*
40048262618410

DATE: 4/6/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TEMPORARY TRAFFIC CONTROL PHASE I

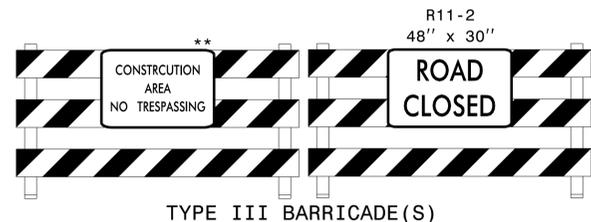
4/6/2016
 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_05.dgn
 User:sngrgreen



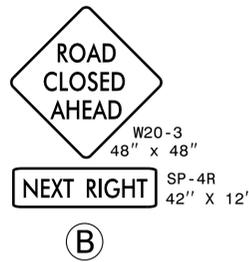
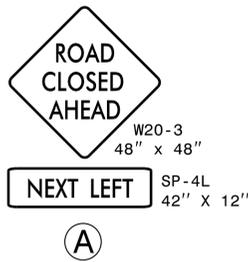
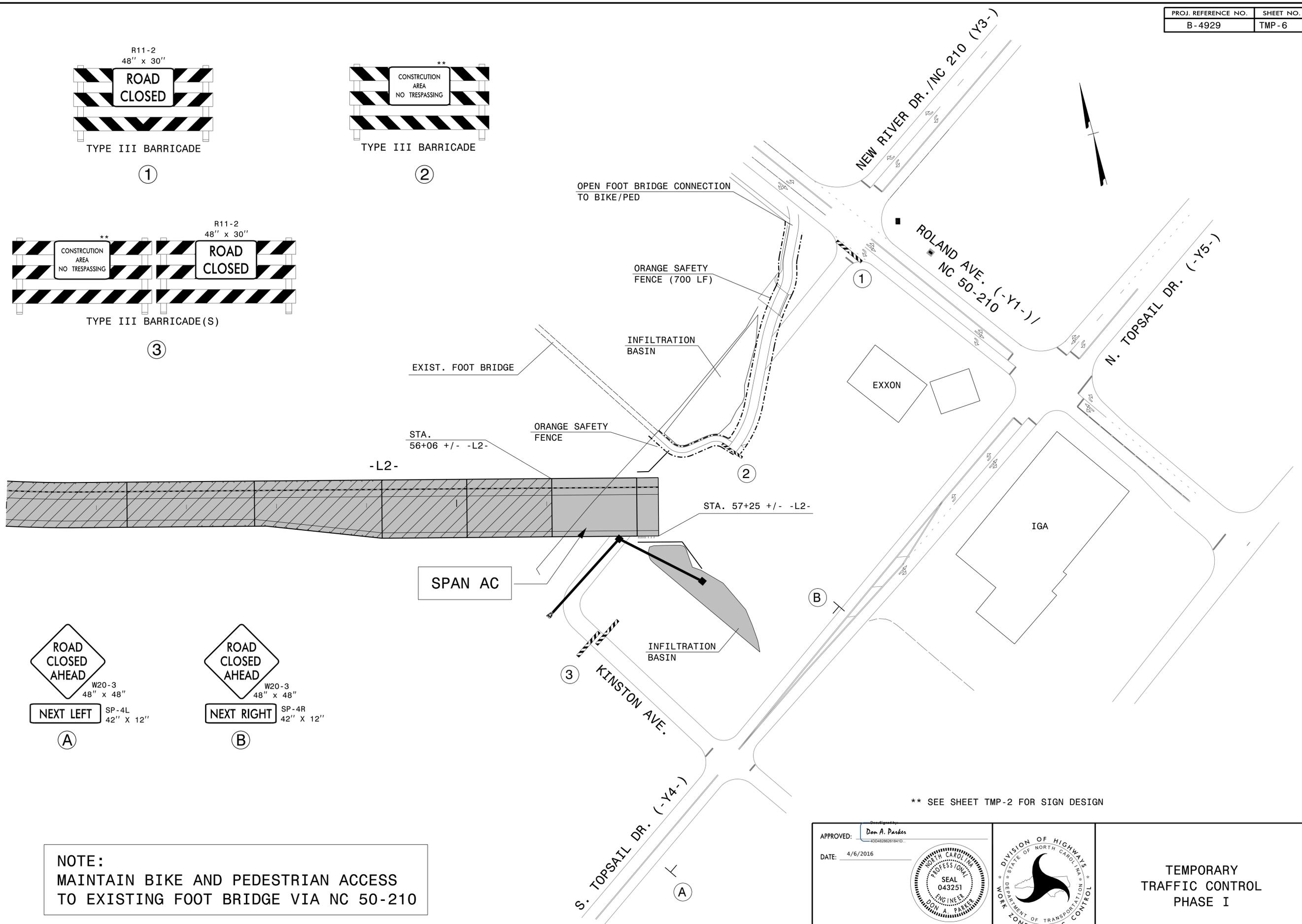
①



②



③



NOTE:
MAINTAIN BIKE AND PEDESTRIAN ACCESS
TO EXISTING FOOT BRIDGE VIA NC 50-210

** SEE SHEET TMP-2 FOR SIGN DESIGN

APPROVED: *Don A. Parker*
DATE: 4/6/2016

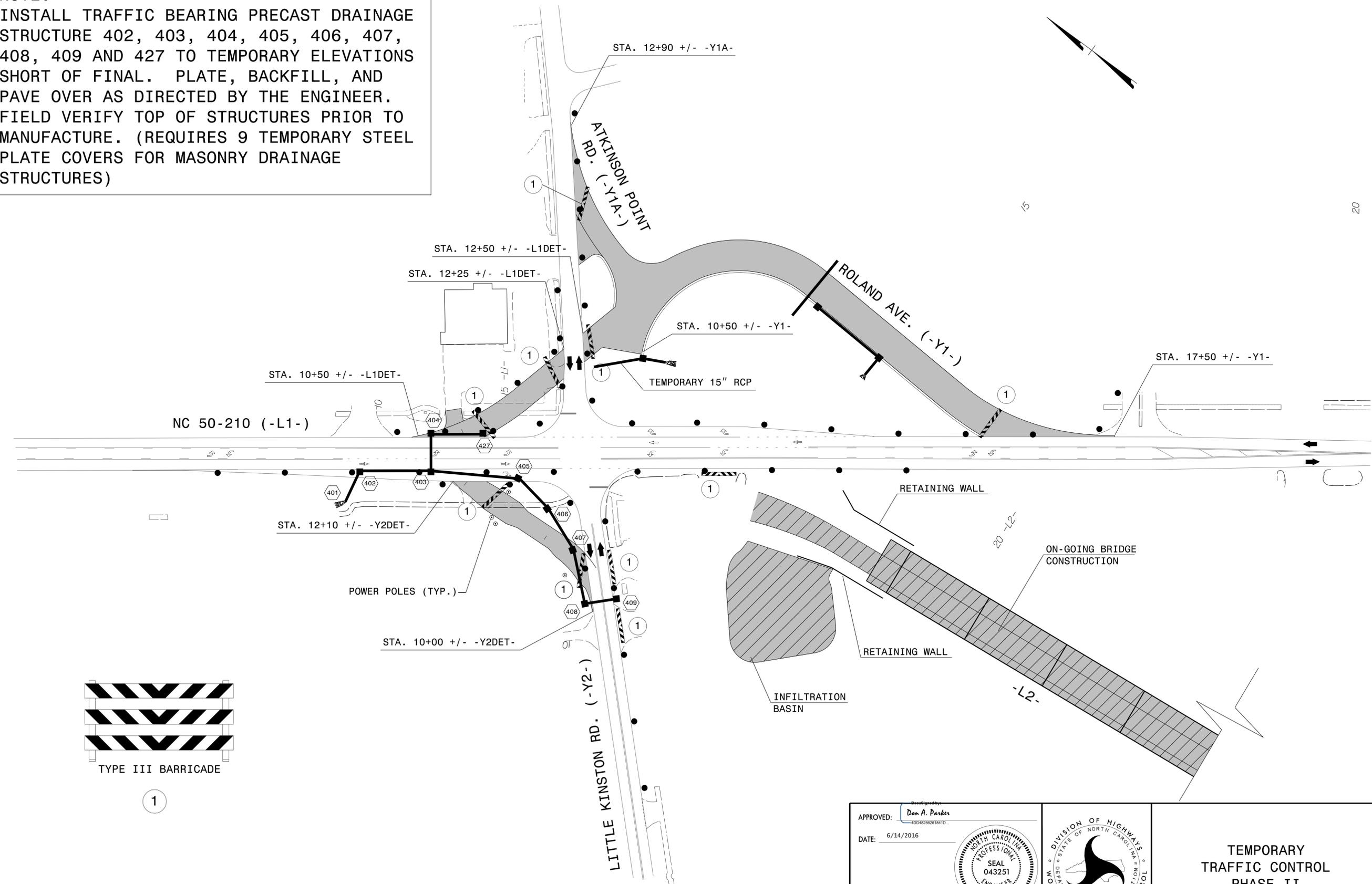
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

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

TEMPORARY
TRAFFIC CONTROL
PHASE I

4/6/2016
 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_06.dgn
 User: sngrreen

NOTE:
 INSTALL TRAFFIC BEARING PRECAST DRAINAGE STRUCTURE 402, 403, 404, 405, 406, 407, 408, 409 AND 427 TO TEMPORARY ELEVATIONS SHORT OF FINAL. PLATE, BACKFILL, AND PAVE OVER AS DIRECTED BY THE ENGINEER. FIELD VERIFY TOP OF STRUCTURES PRIOR TO MANUFACTURE. (REQUIRES 9 TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURES)



1

APPROVED: *Don A. Parker*
40D48286261841D

DATE: 6/14/2016

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



**TEMPORARY
 TRAFFIC CONTROL
 PHASE II**

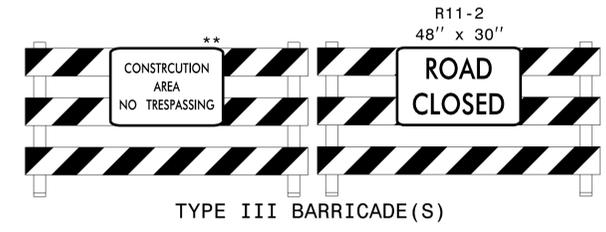
6/13/2016
 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_07.dgn
 User:sngrreen



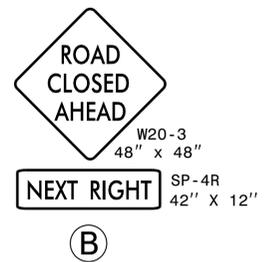
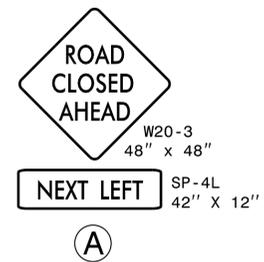
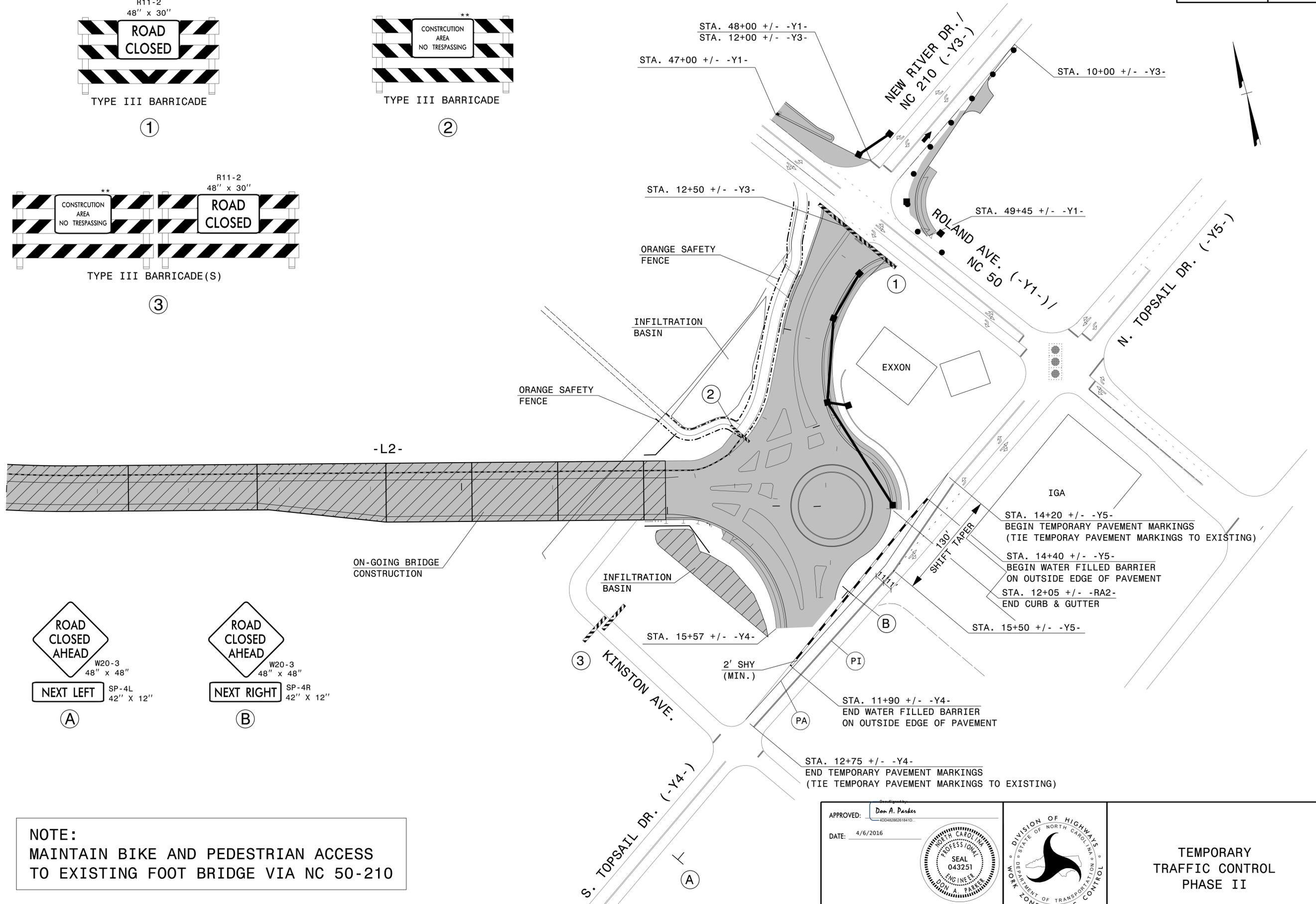
①



②



③



NOTE:
MAINTAIN BIKE AND PEDESTRIAN ACCESS
TO EXISTING FOOT BRIDGE VIA NC 50-210

APPROVED: *Don A. Parker*
DATE: 4/6/2016

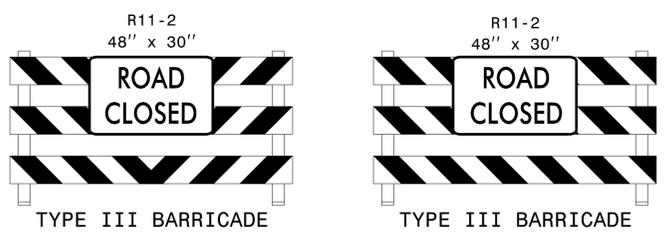
SEAL
043251
ENGINEER
DON A. PARKER

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



**TEMPORARY
TRAFFIC CONTROL
PHASE II**

4/6/2016 P:\Proj\Tip\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_08.dgn User:tsngreen



** MESSAGE NO. 1	MESSAGE NO. 2
NEW TRAFFIC PATTERN	MAX SPEED 30 MPH
CHANGEABLE MESSAGE SIGN	

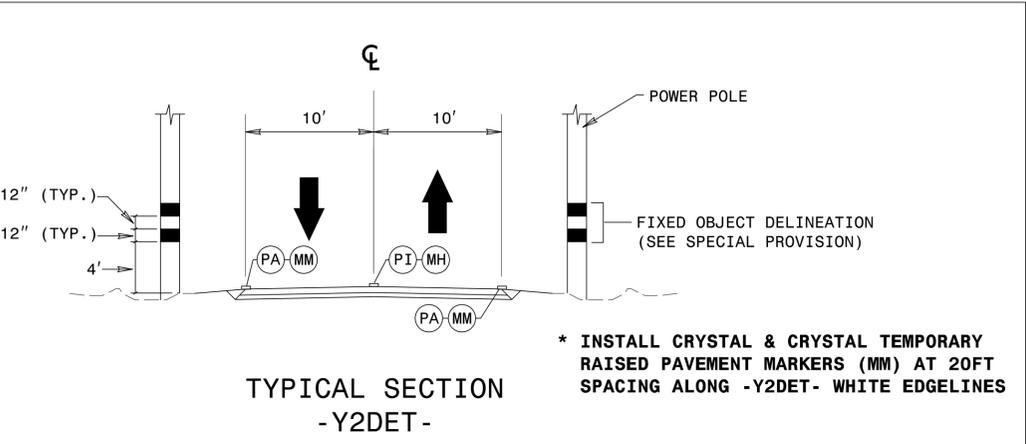
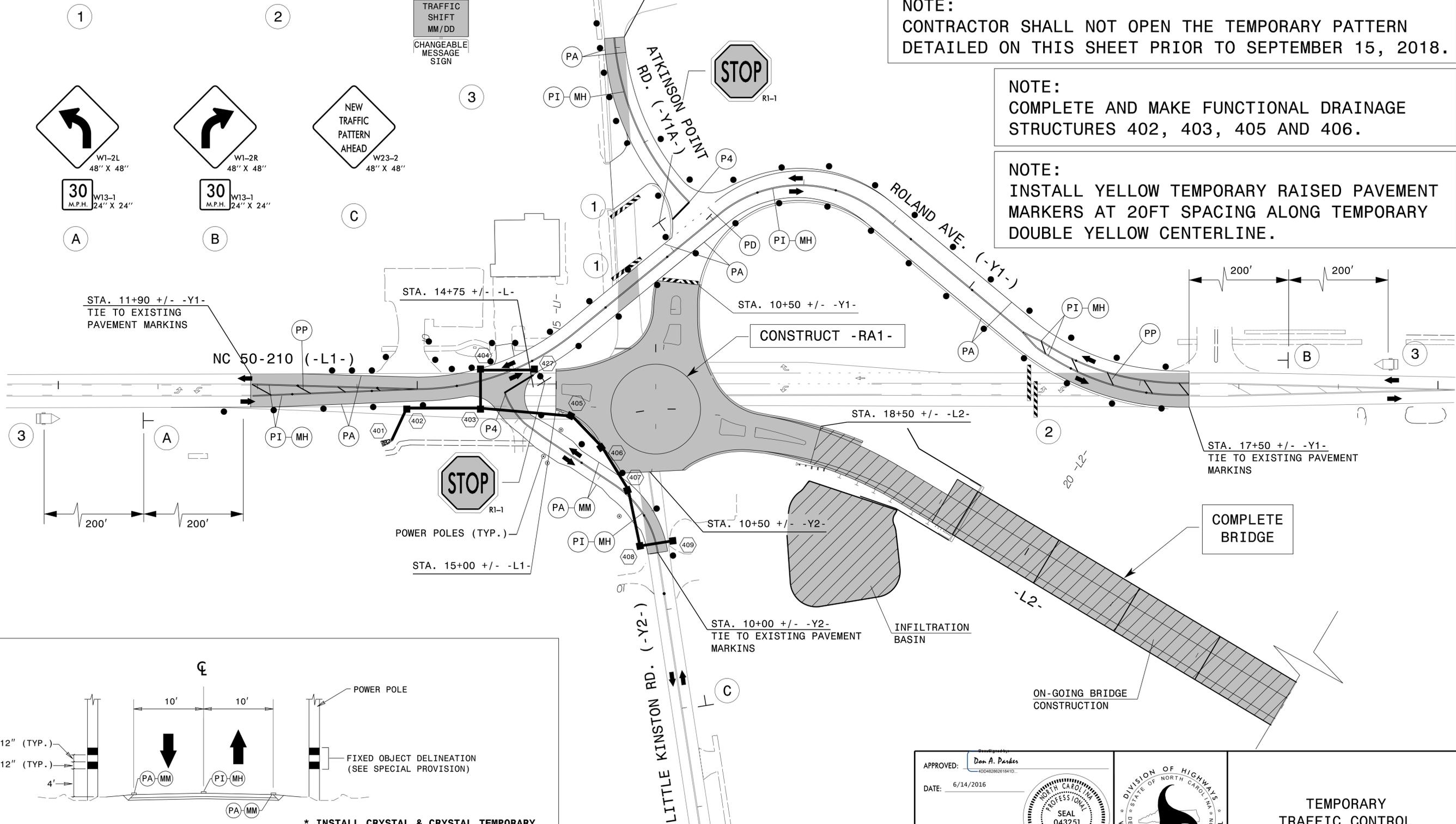
* PLACE CMS 2 WEEKS PRIOR TO NEW PATTERN
** REMOVE 2 WEEKS AFTER OPENING

NOTE:
COORDINATE ROUNDABOUT CONSTRUCTION WITH UTILITY RELOCATION. SEE UTILITIES BY OTHERS PLANS.

NOTE:
CONTRACTOR SHALL NOT OPEN THE TEMPORARY PATTERN DETAILED ON THIS SHEET PRIOR TO SEPTEMBER 15, 2018.

NOTE:
COMPLETE AND MAKE FUNCTIONAL DRAINAGE STRUCTURES 402, 403, 405 AND 406.

NOTE:
INSTALL YELLOW TEMPORARY RAISED PAVEMENT MARKERS AT 20FT SPACING ALONG TEMPORARY DOUBLE YELLOW CENTERLINE.



* INSTALL CRYSTAL & CRYSTAL TEMPORARY RAISED PAVEMENT MARKERS (MM) AT 20FT SPACING ALONG -Y2DET- WHITE EDGELINES

APPROVED: *Don A. Parker*
DATE: 6/14/2016

SEAL
043251
ENGINEER
DON A. PARKER

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



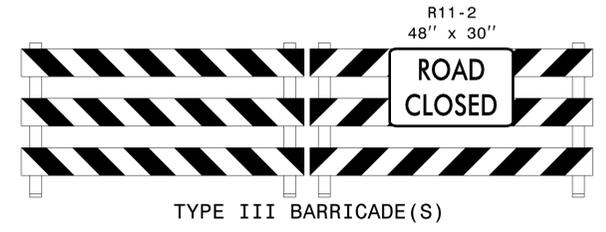
DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL

TEMPORARY TRAFFIC CONTROL PHASE III

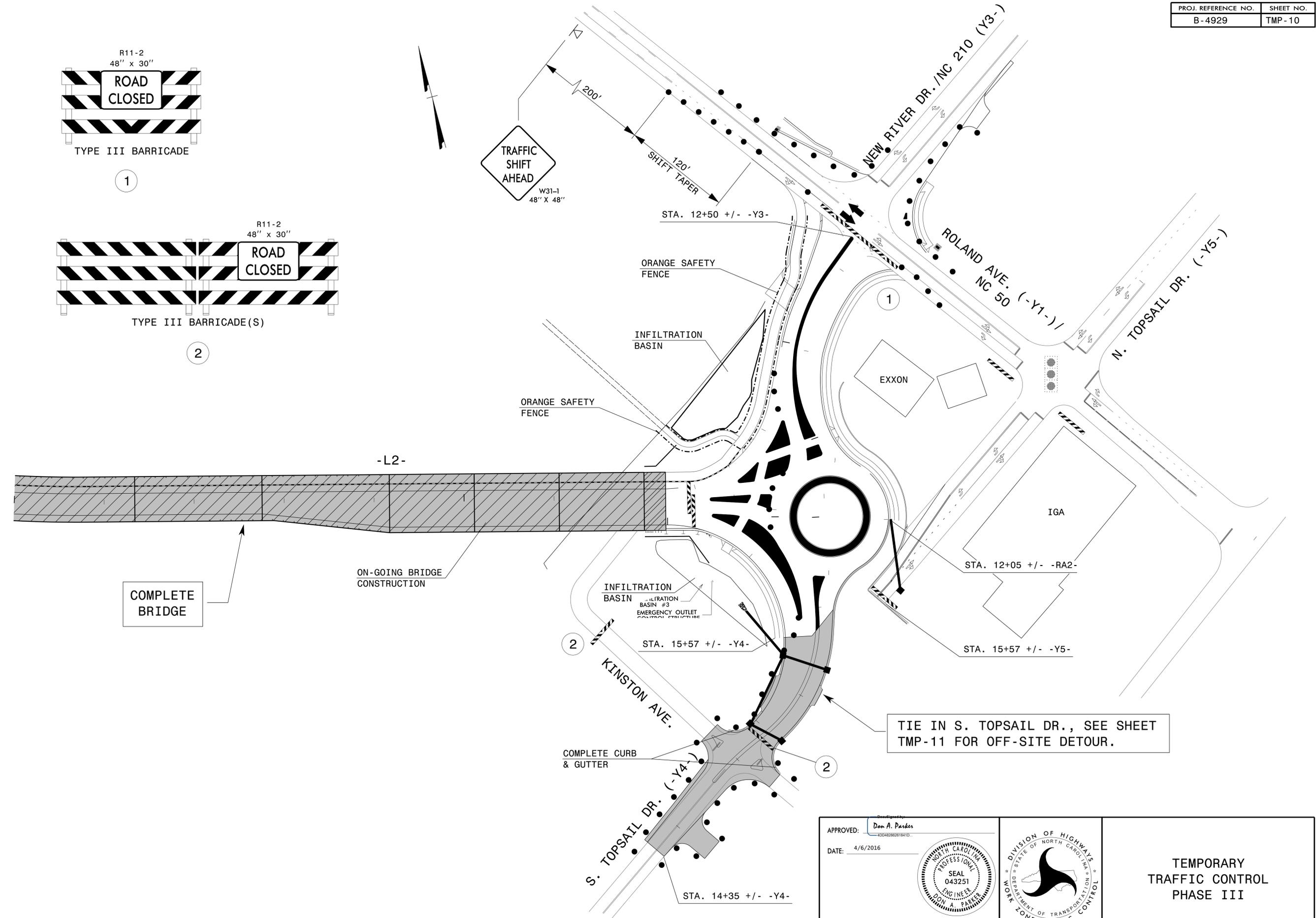
6/13/2016 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_09.dgn User:sngrreen



1



2



TIE IN S. TOPSAIL DR., SEE SHEET TMP-11 FOR OFF-SITE DETOUR.

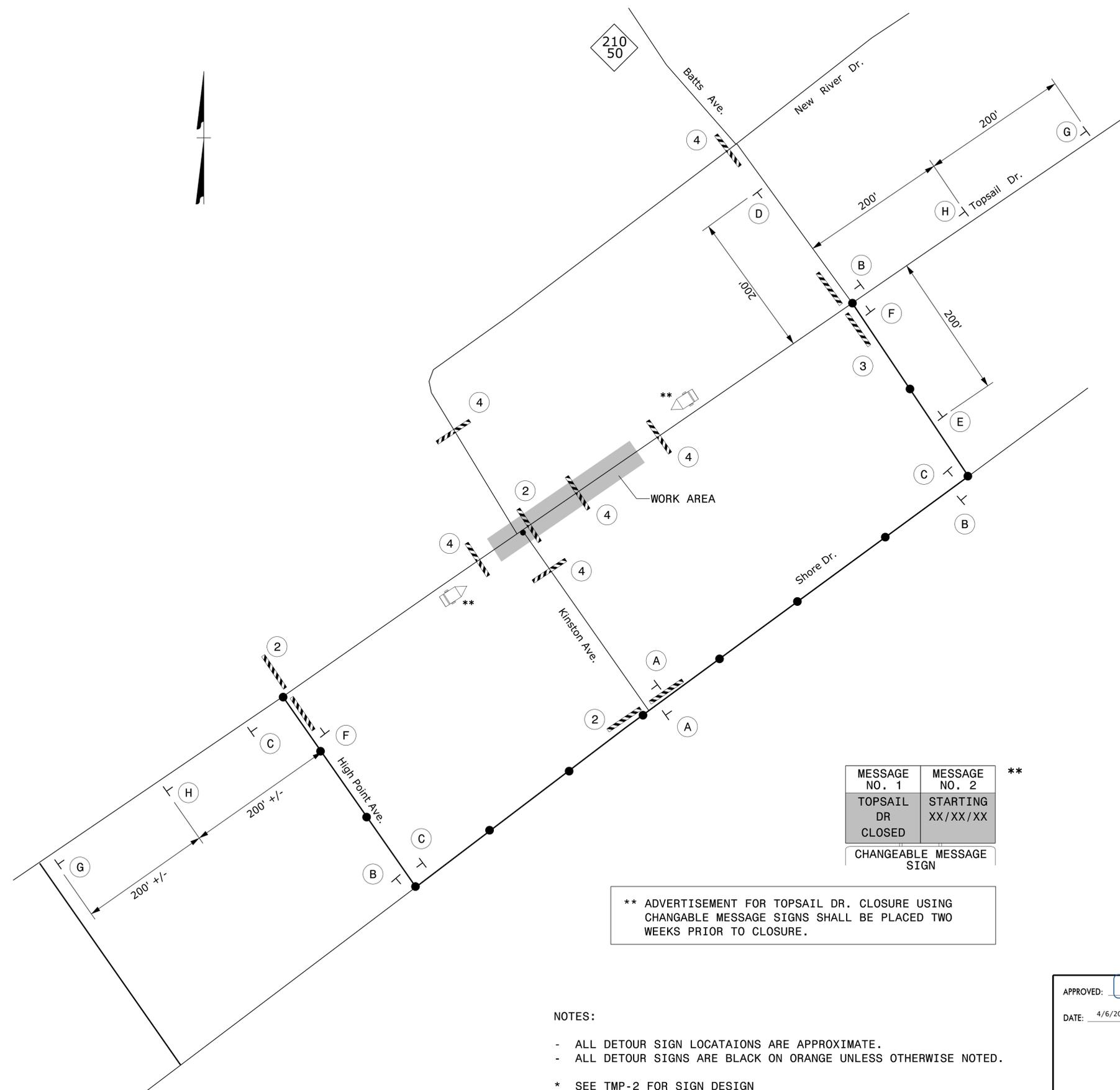
APPROVED: *Don A. Parker*
DATE: 4/6/2016

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



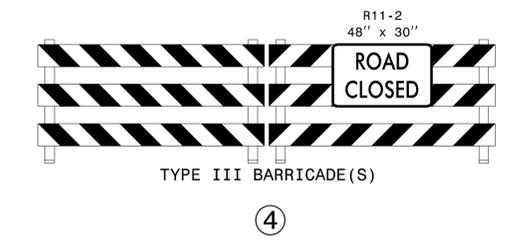
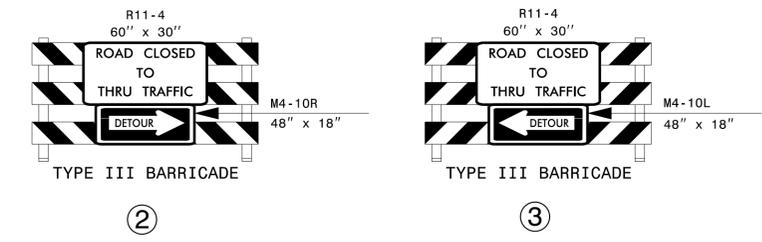
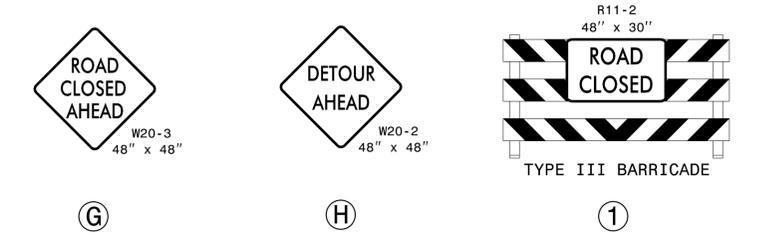
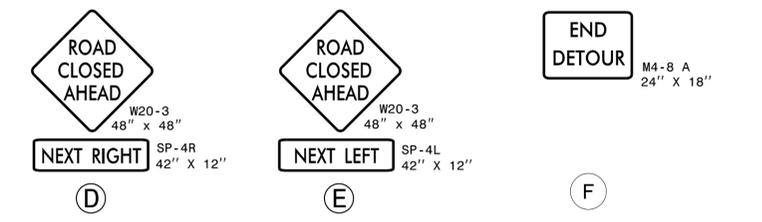
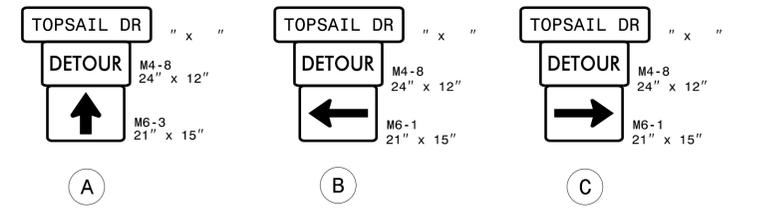
**TEMPORARY
TRAFFIC CONTROL
PHASE III**

4/6/2016
 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_10.dgn
 User: sngrgreen



** ADVERTISEMENT FOR TOPSAIL DR. CLOSURE USING CHANGABLE MESSAGE SIGNS SHALL BE PLACED TWO WEEKS PRIOR TO CLOSURE.

- NOTES:
- ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 - ALL DETOUR SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE NOTED.
 - * SEE TMP-2 FOR SIGN DESIGN



APPROVED: Don A. Parker
40048262618410

DATE: 4/6/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



TEMPORARY TRAFFIC CONTROL PHASE III DETOUR

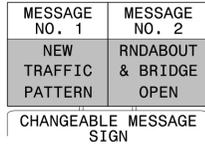
4/6/2016 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_IL.dgn User:sngrreen



1



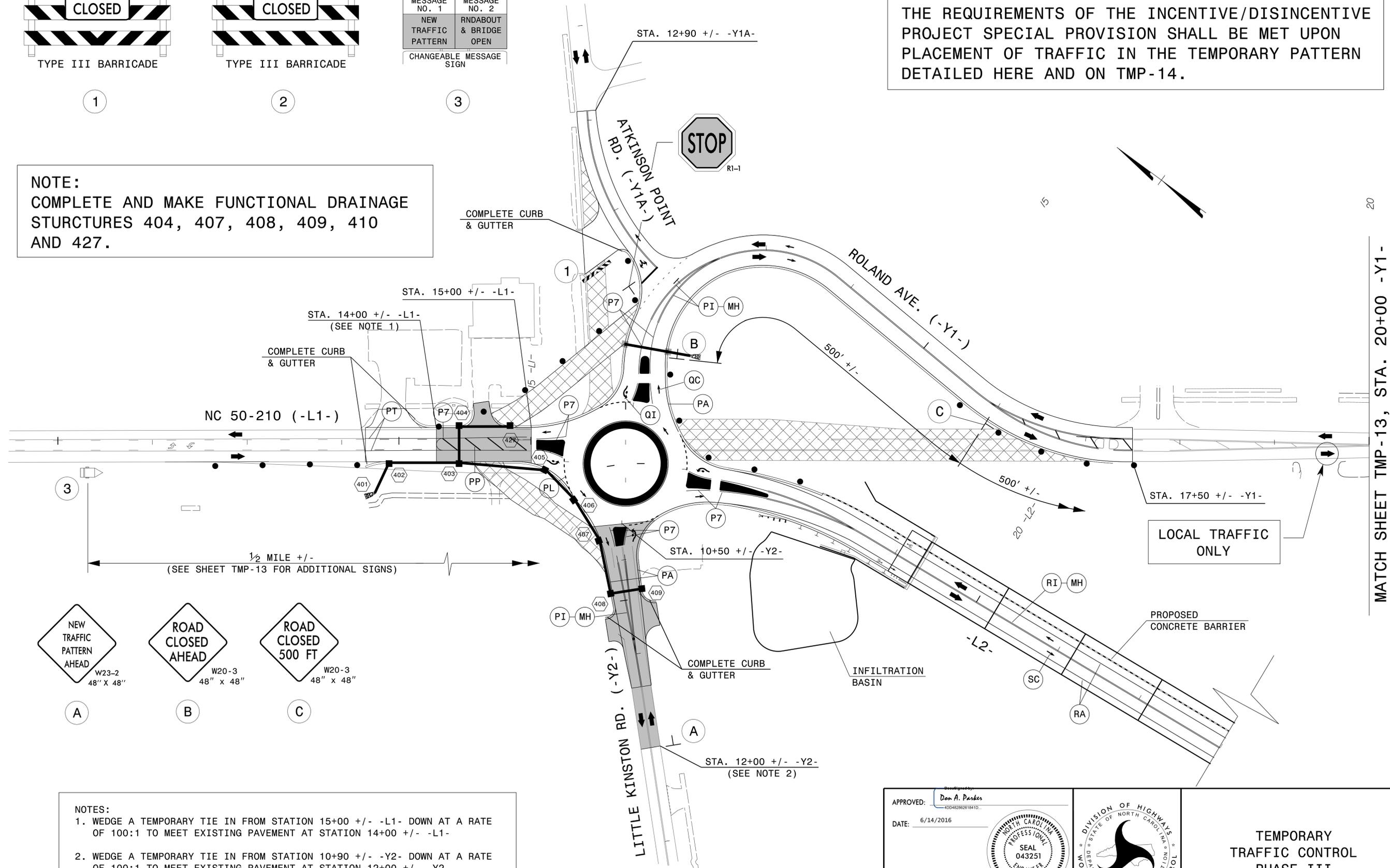
2



3

NOTE:
THE REQUIREMENTS OF THE INCENTIVE/DISINCENTIVE PROJECT SPECIAL PROVISION SHALL BE MET UPON PLACEMENT OF TRAFFIC IN THE TEMPORARY PATTERN DETAILED HERE AND ON TMP-14.

NOTE:
COMPLETE AND MAKE FUNCTIONAL DRAINAGE STURCTURES 404, 407, 408, 409, 410 AND 427.



A
B
C

NOTES:
1. WEDGE A TEMPORARY TIE IN FROM STATION 15+00 +/- -L1- DOWN AT A RATE OF 100:1 TO MEET EXISTING PAVEMENT AT STATION 14+00 +/- -L1-
2. WEDGE A TEMPORARY TIE IN FROM STATION 10+90 +/- -Y2- DOWN AT A RATE OF 100:1 TO MEET EXISTING PAVEMENT AT STATION 12+00 +/- -Y2-

APPROVED: *Don A. Parker*
DATE: 6/14/2016

SEAL
043251
DON A. PARKER
ENGINEER

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



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

TEMPORARY TRAFFIC CONTROL PHASE III

6/13/2016 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_12.dgn User:sngrreen

MATCH SHEET TMP-13, STA. 20+00 -Y1-



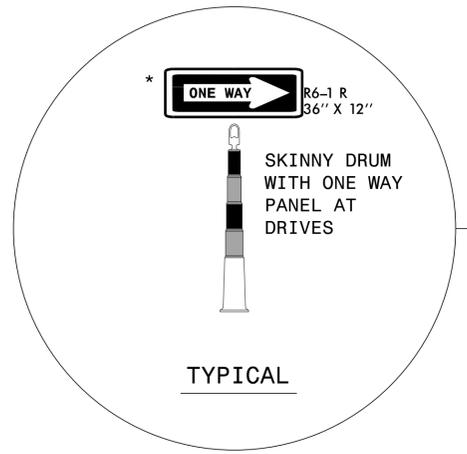
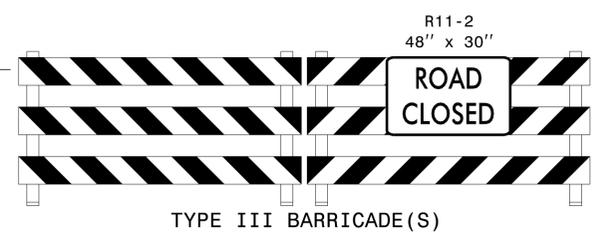
MATCH SHEET TMP-12, STA. 20+00 -Y1-

STA. 21+63 +/- -Y1-

ROLAND AVE. (-Y1-)

STA. 15+57 +/- -Y1-

MATCH SHEET THIS SHEET



ONE LANE, ONE WAY
TRAFFIC HEADING WB

ROLAND AVE. (-Y1-)

STA. 35+80 +/- -Y1-

MATCH SHEET THIS SHEET

MATCH SHEET TMP-14

CONSTRUCT CURB AND GUTTER AND PAVE
EB LANE. THEN SHIFT WB TRAFFIC TO
EB LANE AND COMPLETE PAVING.

4/6/2016
P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_13.dgn
User:sngrreen

APPROVED: *Don A. Parker*
4004826261841D

DATE: 4/6/2016

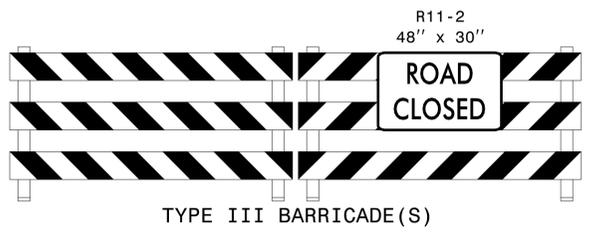
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY
TRAFFIC CONTROL
PHASE III
ROLAND AVE. (-Y1-)**

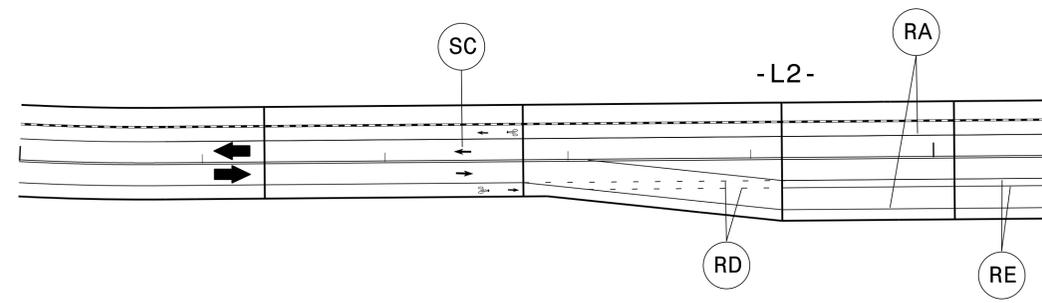


1

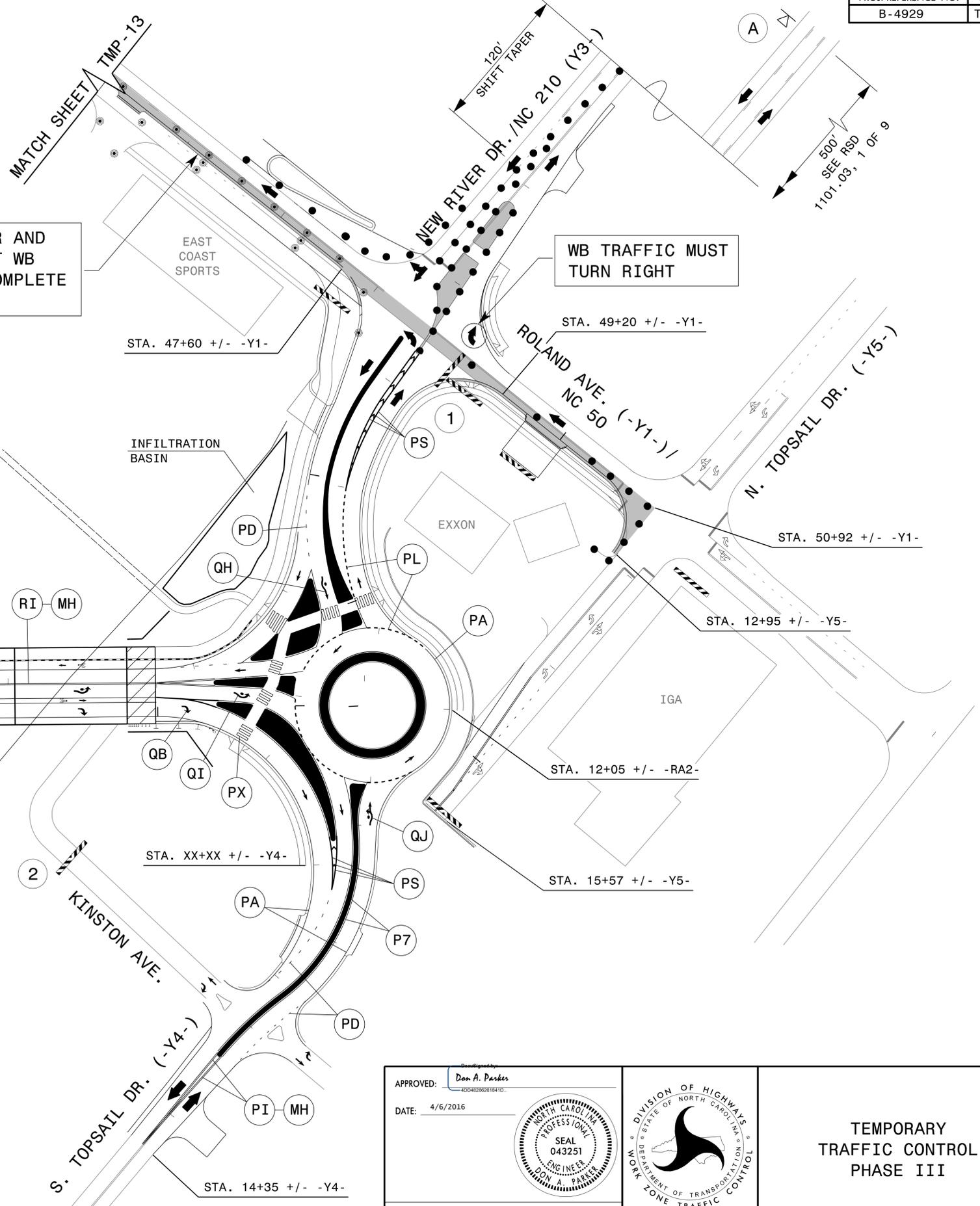
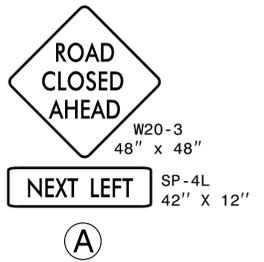


2

CONSTRUCT CURB AND GUTTER AND PAVE EB LANE. THEN SHIFT WB TRAFFIC TO EB LANE AND COMPLETE PAVING.



NOTE:
THE REQUIREMENTS OF THE INCENTIVE/DISINCENTIVE PROJECT SPECIAL PROVISION SHALL BE MET UPON PLACEMENT OF TRAFFIC IN THE TEMPORARY PATTERN DETAILED HERE AND ON TMP-12.



APPROVED: *Don A. Parker*
DATE: 4/6/2016

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

**TEMPORARY
TRAFFIC CONTROL
PHASE III**

4/6/2016 P:\TIP\Projects-B\B4929\TrafficControl\TCP\B4929_TC_TMP_14.dgn User:sngrreen