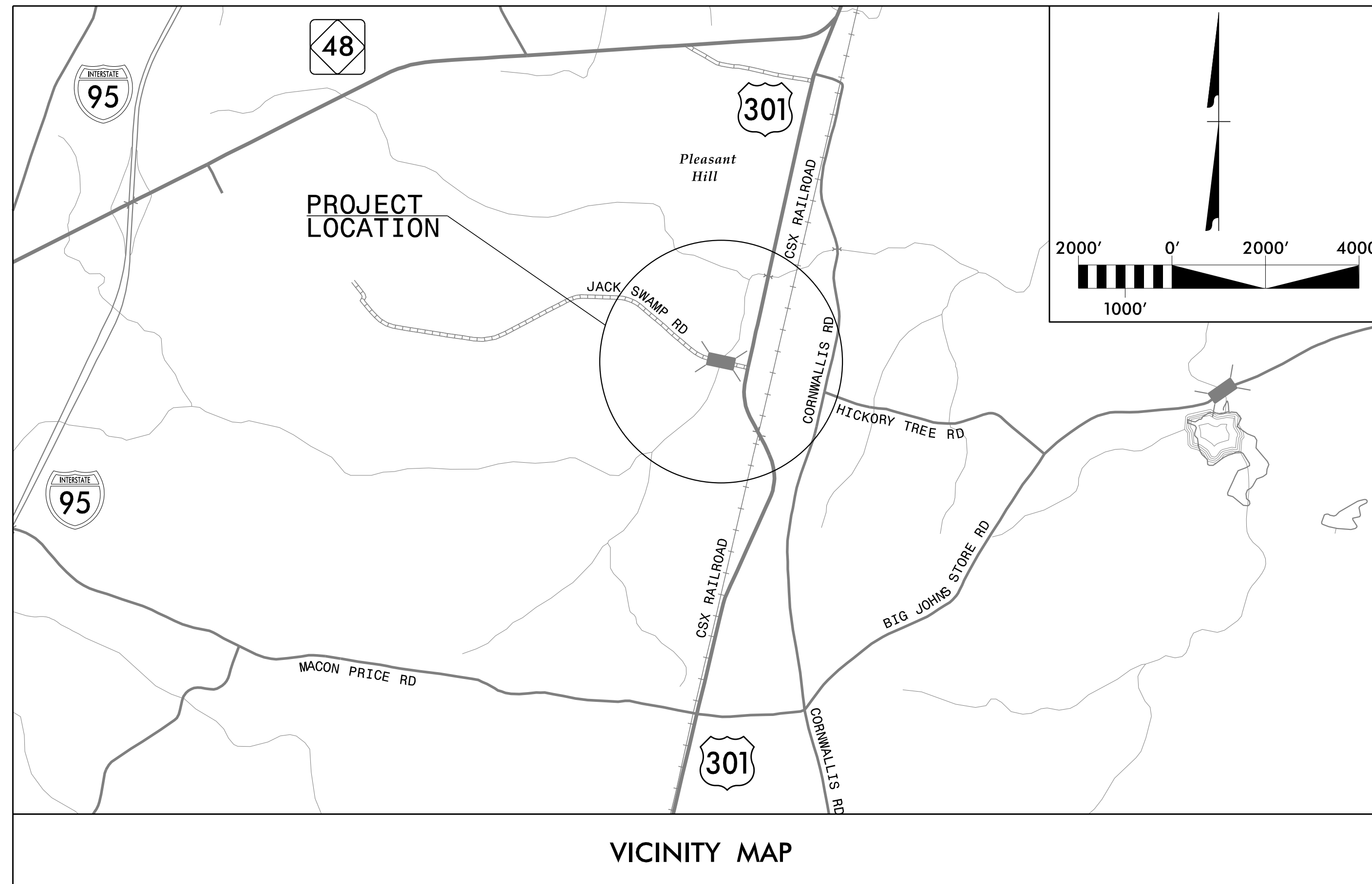
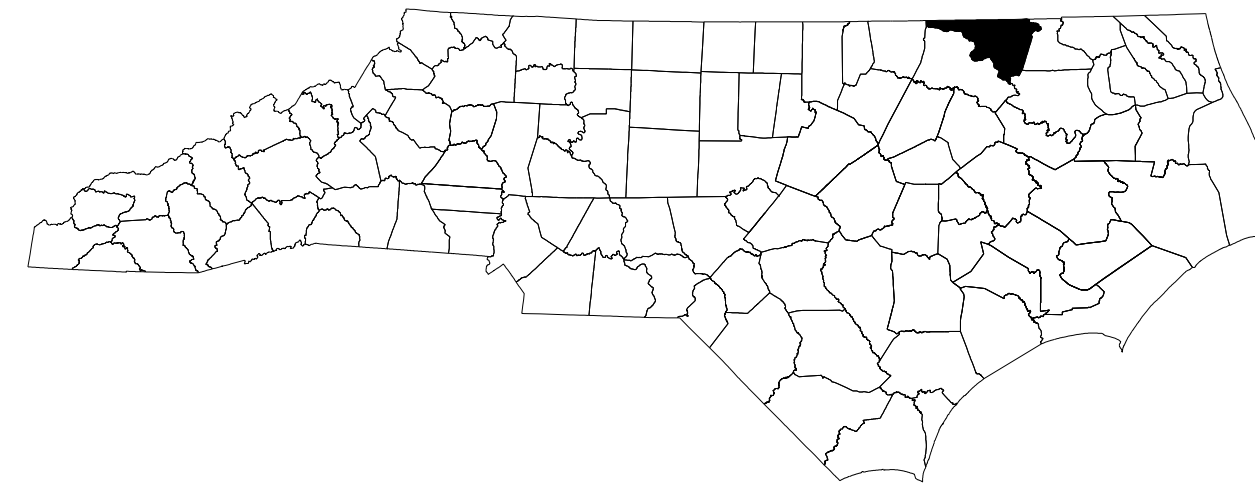


STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**NORTHAMPTON COUNTY**

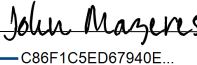
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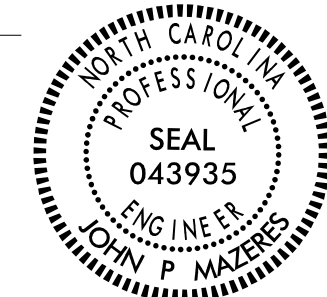


<b>INDEX OF SHEETS</b>	
SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS
TMP-1A	ROADWAY STANDARD DRAWINGS AND LEGEND
TMP-1B	GENERAL NOTES AND PHASING NOTES
TMP-2	PHASE 1
TMP-3	PHASE 2
TMP-4	PHASE 3
TMP-5	PHASE 4
TMP-6	PHASE 5
TMP-7	PHASE 6

SHEET NO.  
TMP-1

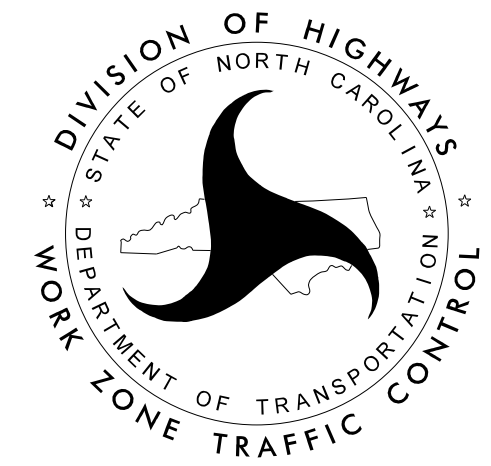
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APPROVED:   
DATE: 11/5/2020



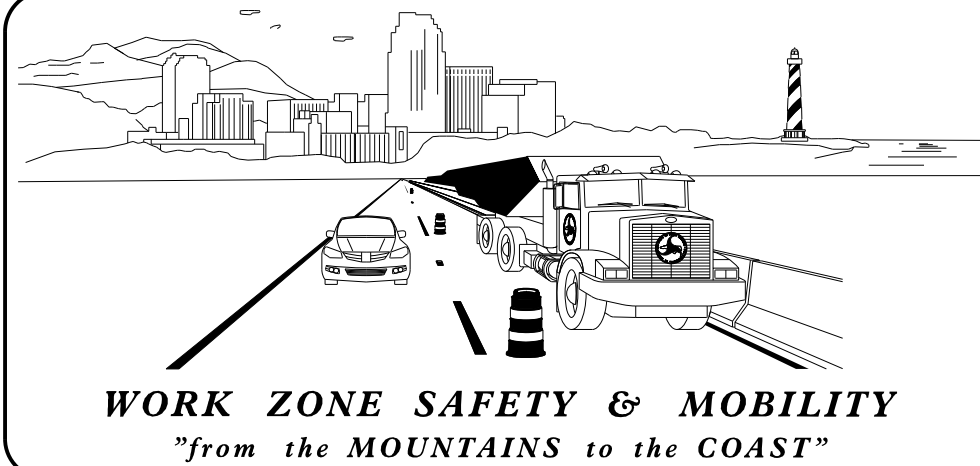
SEAL

**KCA**  
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& ASSOCIATES  
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301 Fayetteville Street  
Suite 1500, Raleigh, NC 27601  
Jacob H. Duke, PE No. 043777  
Firm License #: C-1506



NCDOT CONTACTS:  
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PROJECT DESIGN ENGINEER

PLANS PREPARED BY:  
JOHN P. MAZERES, PE  
WZTC ENGINEER  
ALLEN J. MCSWAIN  
DESIGN ENGINEER



WORK ZONE SAFETY & MOBILITY  
"from the MOUNTAINS to the COAST"

3/2/2020  
BR-018-TC-TMP-TITLE-SHEET.dgn  
User: jidebone

**TIP PROJECT: BR-018**


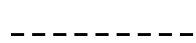
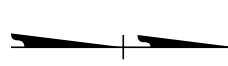


# ROADWAY STANDARD DRAWINGS

THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - 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
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1170.01	PORTABLE CONCRETE BARRIER
1180.01	SKINNY - DRUMS
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.02	PAVEMENT MARKINGS - TWO LANE AND MULTILANE ROADWAYS
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMP
1205.04	PAVEMENT MARKINGS - INTERSECTIONS
1205.05	PAVEMENT MARKINGS - TURN LANES
1205.06	PAVEMENT MARKINGS - LANE DROPS
1205.07	PAVEMENT MARKINGS - PEDESTRIAN CROSSWALKS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1205.10	PAVEMENT MARKINGS - SCHOOL AREAS
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1205.14	PAVEMENT MARKINGS - ROUNDABOUTS
1205.15	PAVEMENT MARKINGS - SUPERSTREETS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

# LEGEND







## GENERAL

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



## SIGNALS

-  T
-  E TEMPORARY
-  M
-  P

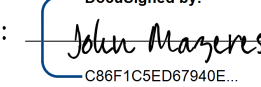
## TRAFFIC CONTROL DEVICES

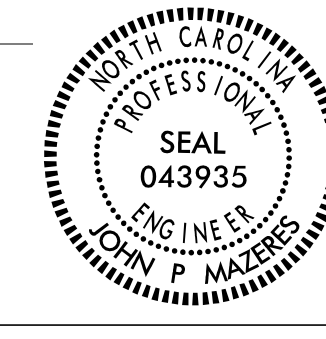
-  BARRICADE (TYPE III)
-  CONE
-  DRUM
-  SKINNY DRUM
-  TUBULAR MARKER
-  FLAGGER

## TEMPORARY SIGNING

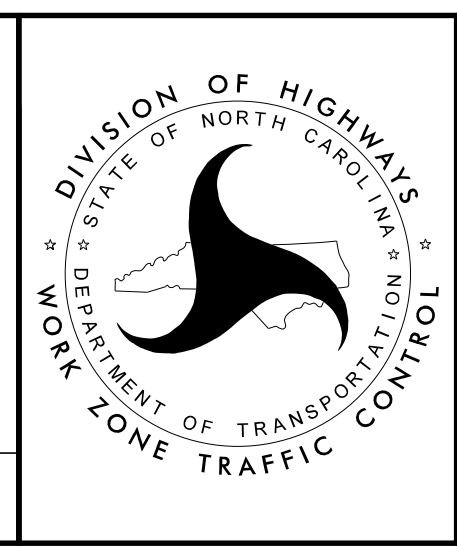
-  STATIONARY SIGN
-  PORTABLE SIGN

3/2/2020 BR-0118-TC\_TMP\_LEGEND.dgn User:idebone

APPROVED:  DATE: 11/5/2020



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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.

### LANE AND SHOULDER CLOSURE REQUIREMENTS

- A) 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.
- B) 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.
- C) 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.
- D) DO NOT INSTALL MORE THAN ONE LANE CLOSURE IN ANY ON DIRECTION ON JACK SWAMP ROAD.

### PAVEMENT EDGE DROP OFF REQUIREMENTS

- E) 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.
- F) 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) 200 FT IN ADVANCE A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

### TRAFFIC PATTERN ALTERATIONS

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

### SIGNING

- H) 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.
- I) ENSURE ALL NECESSARY SIGNING IS IN PLACE PRIOR TO ALTERING ANY TRAFFIC PATTERN.
- J) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 200 FT IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

### TRAFFIC CONTROL DEVICES

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

### MISCELLANEOUS

- N) IN THE EVENT A TIE-IN CANNOT BE MADE IN ONE DAY'S TIME, BRING THE TIE-IN AREA TO AN APPROPRIATE ROADWAY ELEVATION AS DETERMINED BY THE ENGINEER. PLACE BLACK ON ORANGE "LOOSE GRAVEL" SIGNS (W8-7) AND BLACK ON ORANGE "PAVEMENT ENDS" SIGNS (W8-3) 200 FT AND 200 FT RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
- O) NORTHAMPTON COUNTY EMERGENCY SERVICES SHALL BE CONTACTED AT (252) 574-0205 AT LEAST ONE MONTH PRIOR TO CONSTRUCTION TO MAKE NECESSARY TEMPORARY REASSIGNMENTS TO PRIMARY RESPONSE UNITS.
- P) ACCESS WILL BE MAINTAINED THROUGHOUT CONSTRUCTION FOR LOCAL TRAFFIC AND ACTIVE FARMS LOCATED NEAR BOTH ENDS OF THE BRIDGE.

## PHASING NOTES

PRIOR TO ANY CONSTRUCTION, INSTALL WORK ZONE ADVANCE WARNING SIGNS USING NCDOT RSD 1101.01 SHEETS 1 THRU 3 AND THE DETAIL BELOW. CONTRACTOR MAY WORK ON MULTIPLE LOCATIONS SIMULTANEOUSLY IF APPROVED BY ENGINEER.

### PHASE 1:

- STEP 1: USE TMP-2 TO DENOTE WORK AREA AND TO PLACE SIGNS AND DEVICES ALONG SR 1203 (JACK SWAMP RD) AND US 301. PERFORM WORK ON TEMPORARY CONDITION PER ROADWAY, STRUCTURE, AND DRAINAGE PLANS.

### PHASE 2:

- STEP 1: USE TMP-3 TO DENOTE WORK AREA, RSD 1101.02 SHEET 1 OF 14 AND TMP-3 TO PLACE SIGNS AND DEVICES ALONG SR 1203 (JACK SWAMP RD) AND US 301. PERFORM WORK ON TIE-INS UP UNTIL EXISTING EDGE OF PAVEMENT FOR TEMPORARY CONDITION PER ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

### PHASE 3:

- STEP 1: USE TMP-4 TO DENOTE WORK AREA AND PLACE SIGNS AND DEVICES ALONG SR 1203 (JACK SWAMP RD) AND US 301. PLACE AGGREGATE BASE COURSE TO CROSS SLOPE CORRECT ON THE EXISTING ROADWAY TO TIE-IN FOR THE TEMPORARY CONDITION PER ROADWAY PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

### PHASE 4:

- STEP 1: USE TMP-5 TO DENOTE WORK AREA AND PLACE SIGNS AND DEVICES ALONG SR 1203 (JACK SWAMP RD) AND US 301. THIS OPERATION WILL SHIFT TRAFFIC ONTO TEMPORARY CONDITION. PERFORM WORK PER ROADWAY, STRUCTURE, AND DRAINAGE PLANS. KEEP TRAFFIC ON THE TEMPORARY CONDITION UNTIL PHASE 4 IS COMPLETE.

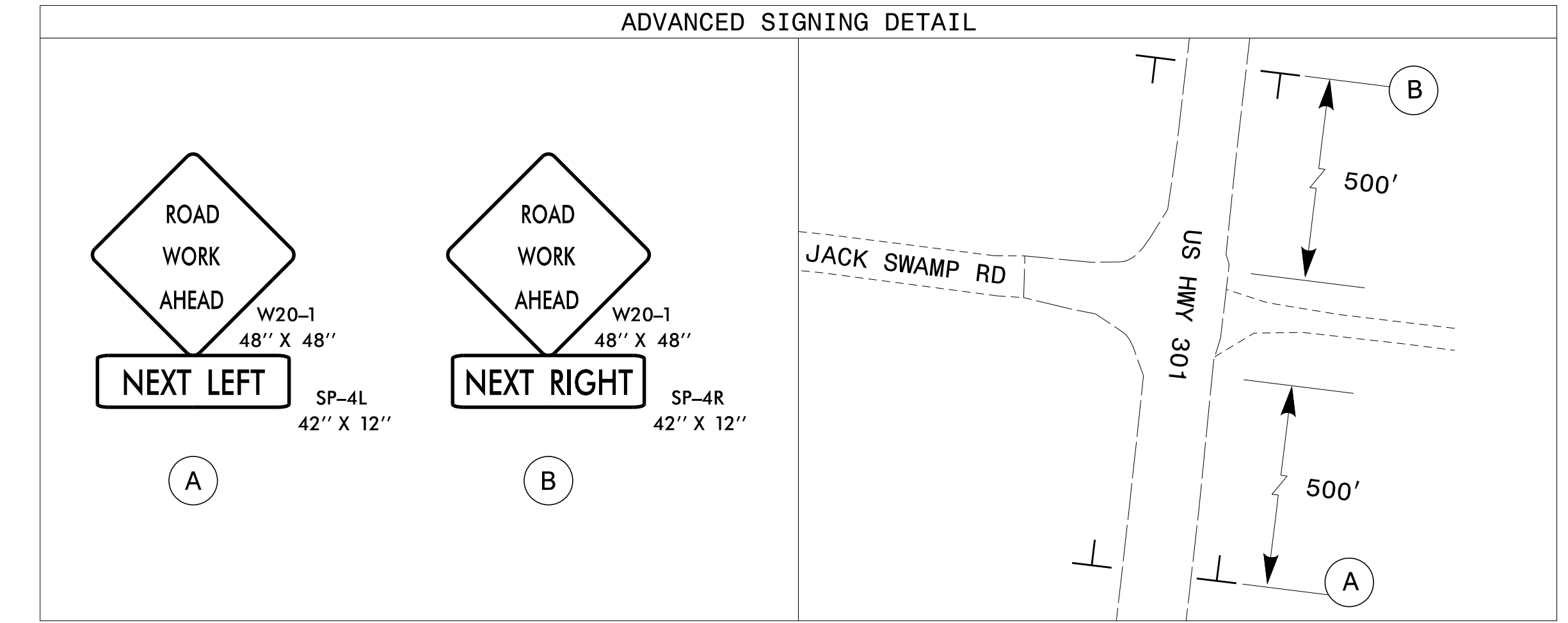
### PHASE 5:

- STEP 1: USE TMP-6 TO DENOTE WORK AREA AND PLACE SIGNS AND DEVICES ALONG SR 1203 (JACK SWAMP RD) AND US 301. REMOVE THE AGGREGATE BASE COURSE AND PLACE PAVEMENT PER ROADWAY PLANS FOR FINAL CONDITION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. THIS OPERATION WILL SHIFT TRAFFIC ONTO THE FINAL CONDITION TO REOPEN SR 1203 (JACK SWAMP RD). AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.

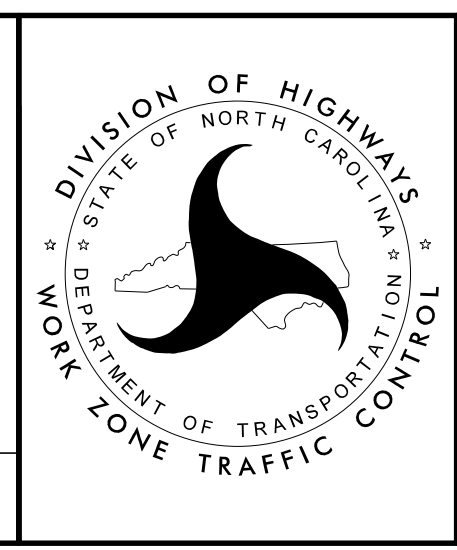
### PHASE 6:

- STEP 1: USE TMP-7 TO DENOTE WORK AREA AND PLACE SIGNS AND DEVICES ALONG SR 1203 (JACK SWAMP RD) AND US 301. REMOVE TEMPORARY CONDITION UP TO THE EXISTING EDGE OF TRAVEL. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.
- STEP 2: REGRADE SIDE SLOPES TO SLOPE STAKE LIMITS PER ROADWAY PLANS AND COMPLETE WORK PER STRUCTURE AND DRAINAGE PLANS. AT THE END OF EACH WORK PERIOD REOPEN THE ROADWAY TO TRAFFIC.
- STEP 3: UPON COMPLETION OF ALL PRIOR STEPS, MILL BETWEEN THE FOLLOWING LIMITS:
  - L- STA. 19+14.43 TO -L- STA. 19+65.61

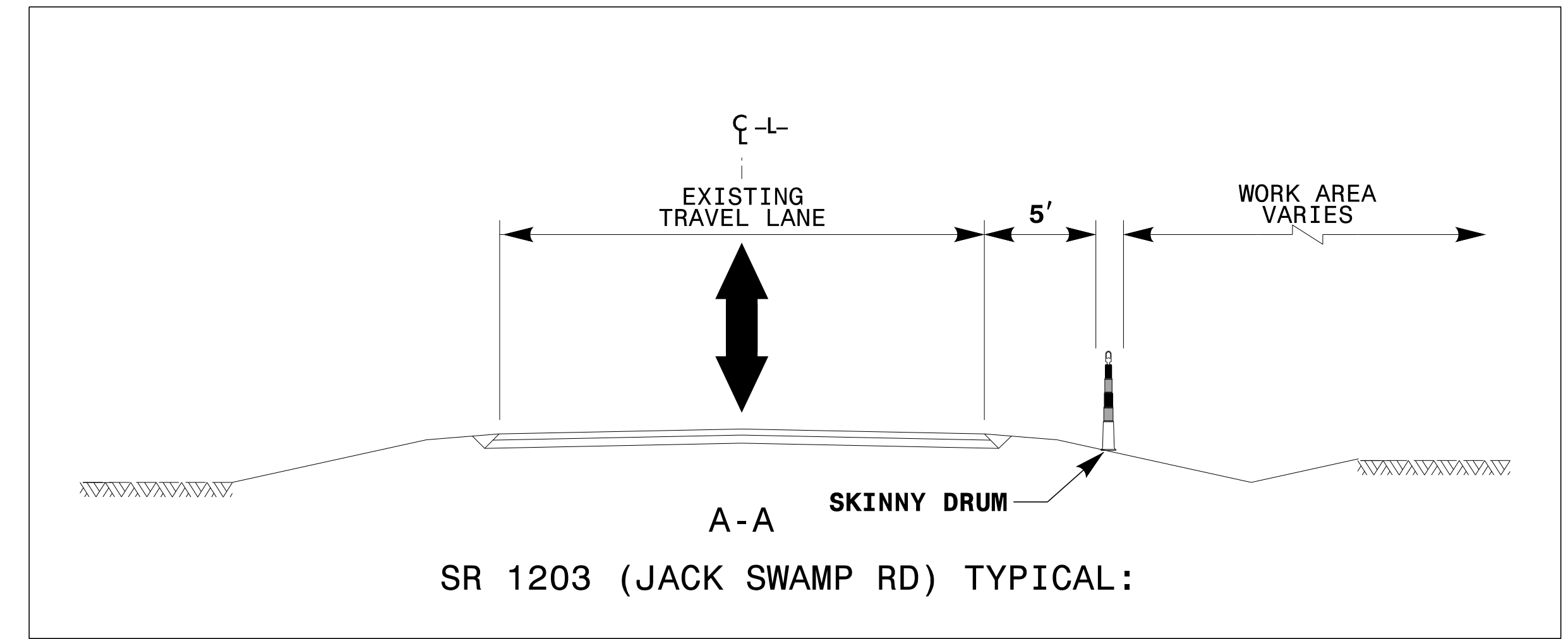
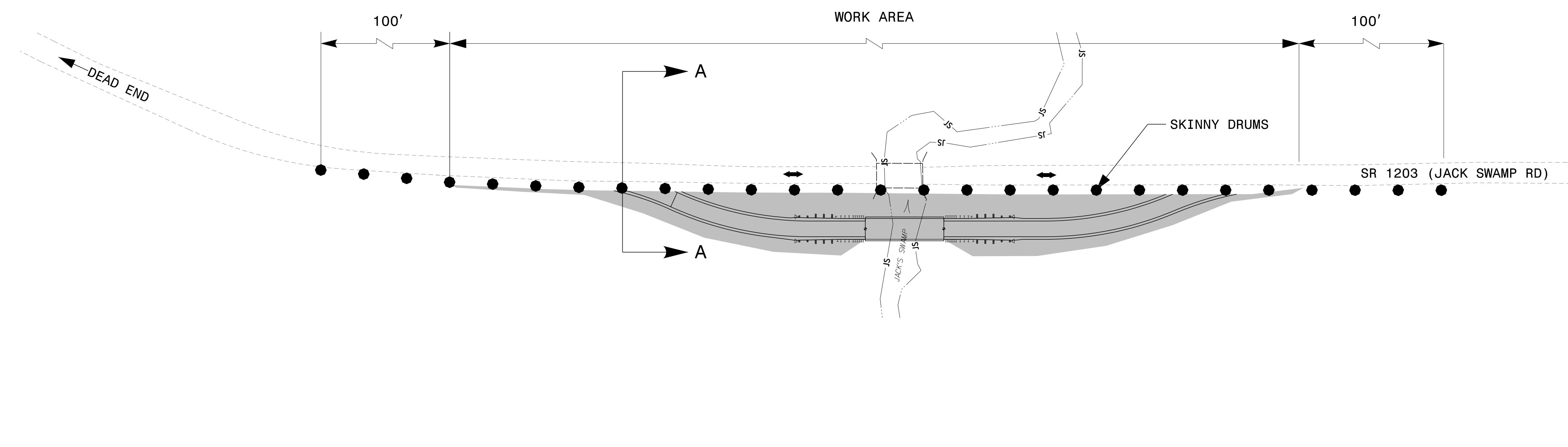
PLACE FINAL SURFACE LAYER OF PAVEMENT PER ROADWAY PLANS. PLACE FINAL PAVEMENT MARKINGS IN ACCORDANCE WITH RSD 1205.01, 1205.02, 1205.12, 1250.01 AND PAVEMENT MARKING PLANS. REMOVE ALL SIGNS AND DEVICES AND OPEN -L- SR 1203 (JACK SWAMP RD) TO TRAFFIC.



APPROVED: *John P. Mazeres*  
 DATE: 11/5/2020  
 PROFESSIONAL SEAL: JOHN P. MAZERES, ENGINEER, NO. 043935  
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**GENERAL NOTES  
 AND  
 PHASING NOTES**



LEGEND	
●	SKINNY DRUMS
■	WORK AREA
➔	TRAVEL DIRECTION

**NOTES:**

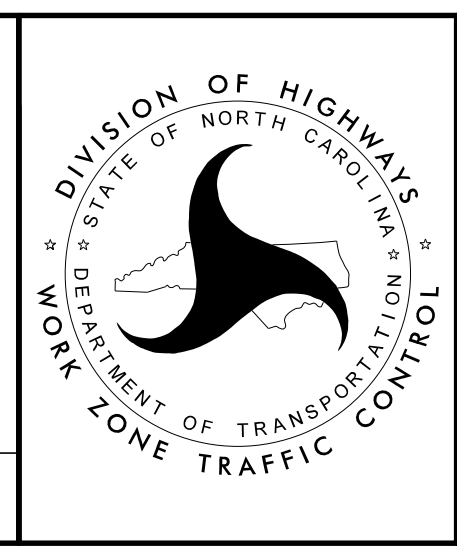
- FOR DRUM SPACING, SEE RSD 1101.02 (SHEET 1 OF 14), DESIGN SPEED = 30 MPH.

APPROVED: *John Mayers*  
 DATE: 11/5/2020

DocuSigned by:  
 JOHN P MAZERS

SEAL  
 043935  
 ENGINEER

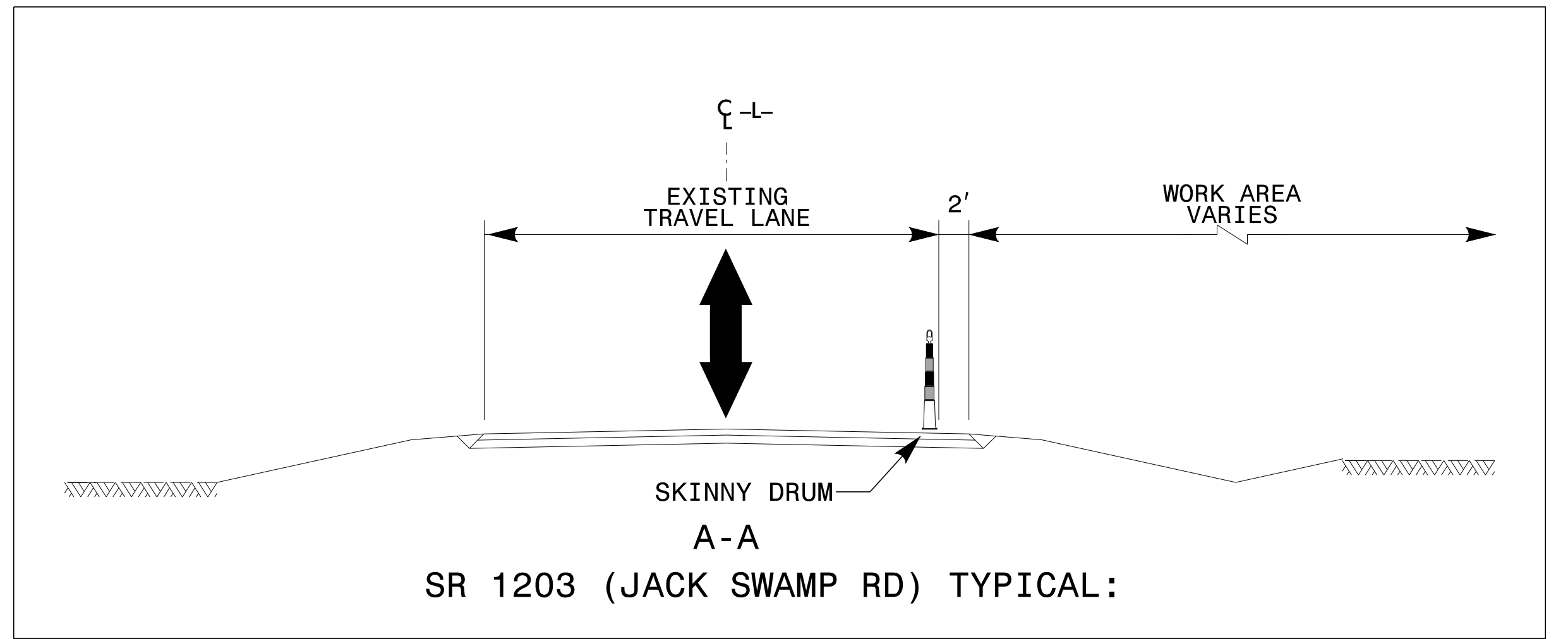
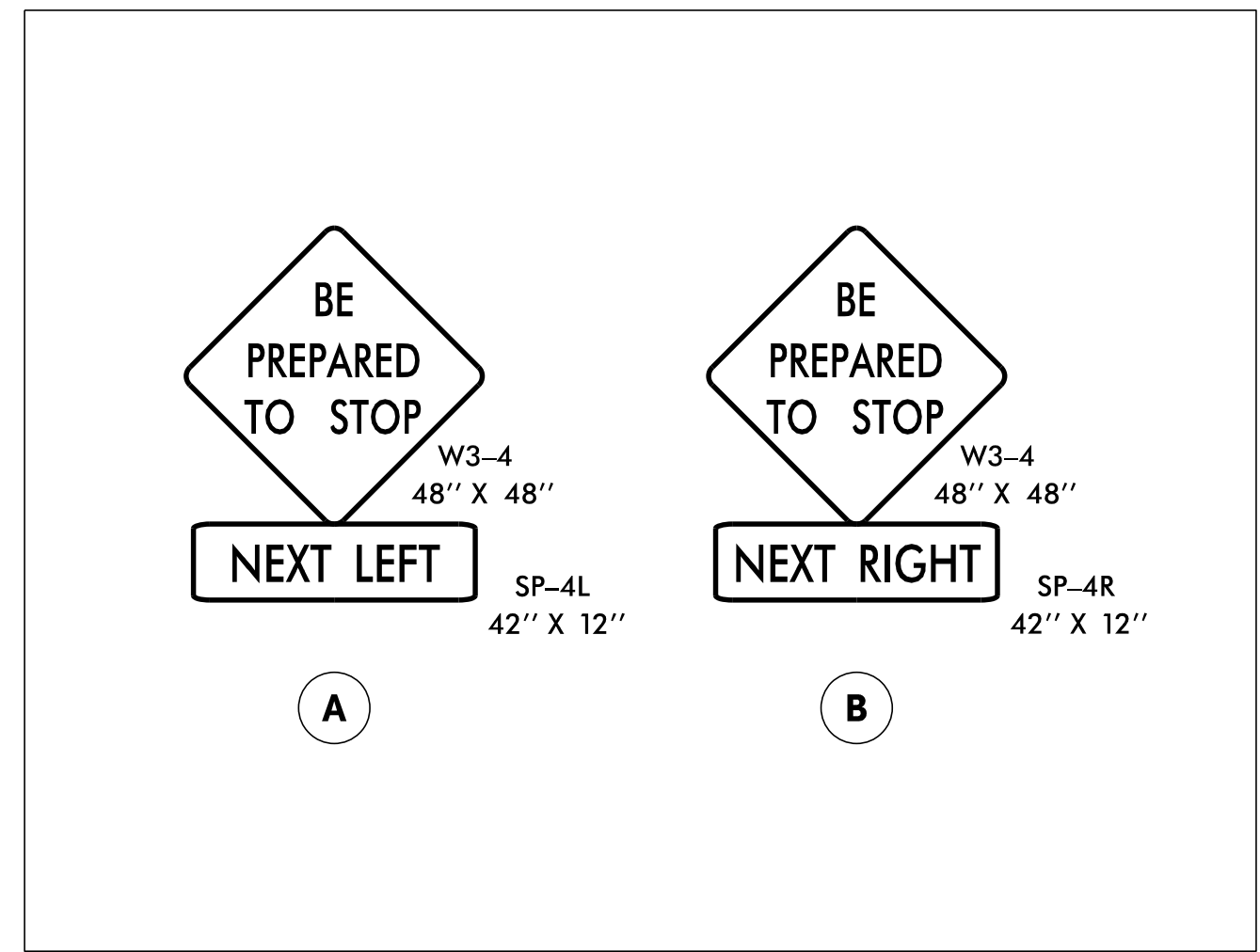
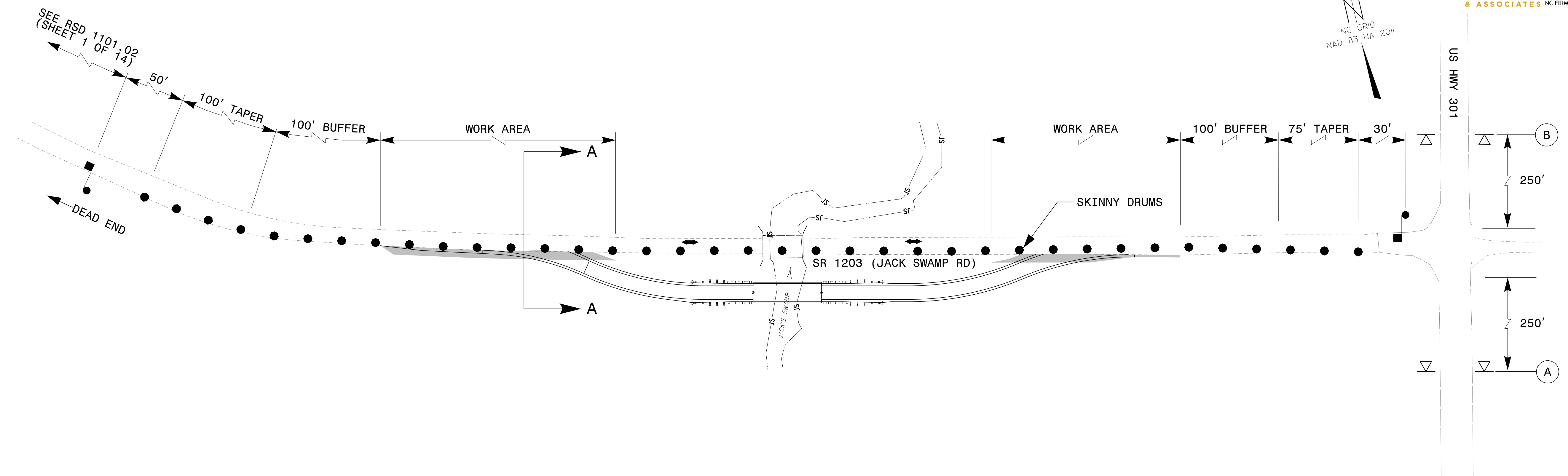
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PHASE 1

3/2/2020  
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 User: jdebone





**LEGEND**

	PORTABLE SIGN
	SKINNY DRUMS
	FLAGGER
	WORK AREA
	TRAVEL DIRECTION

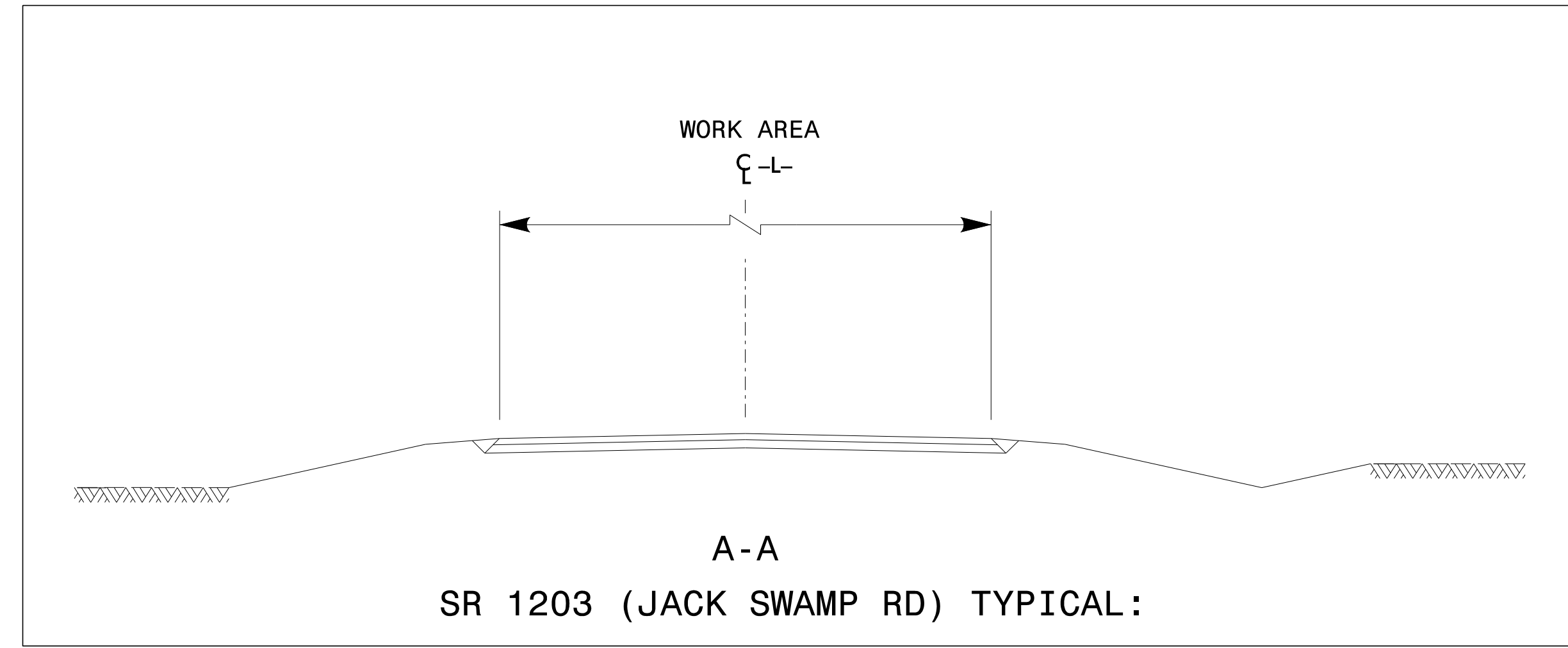
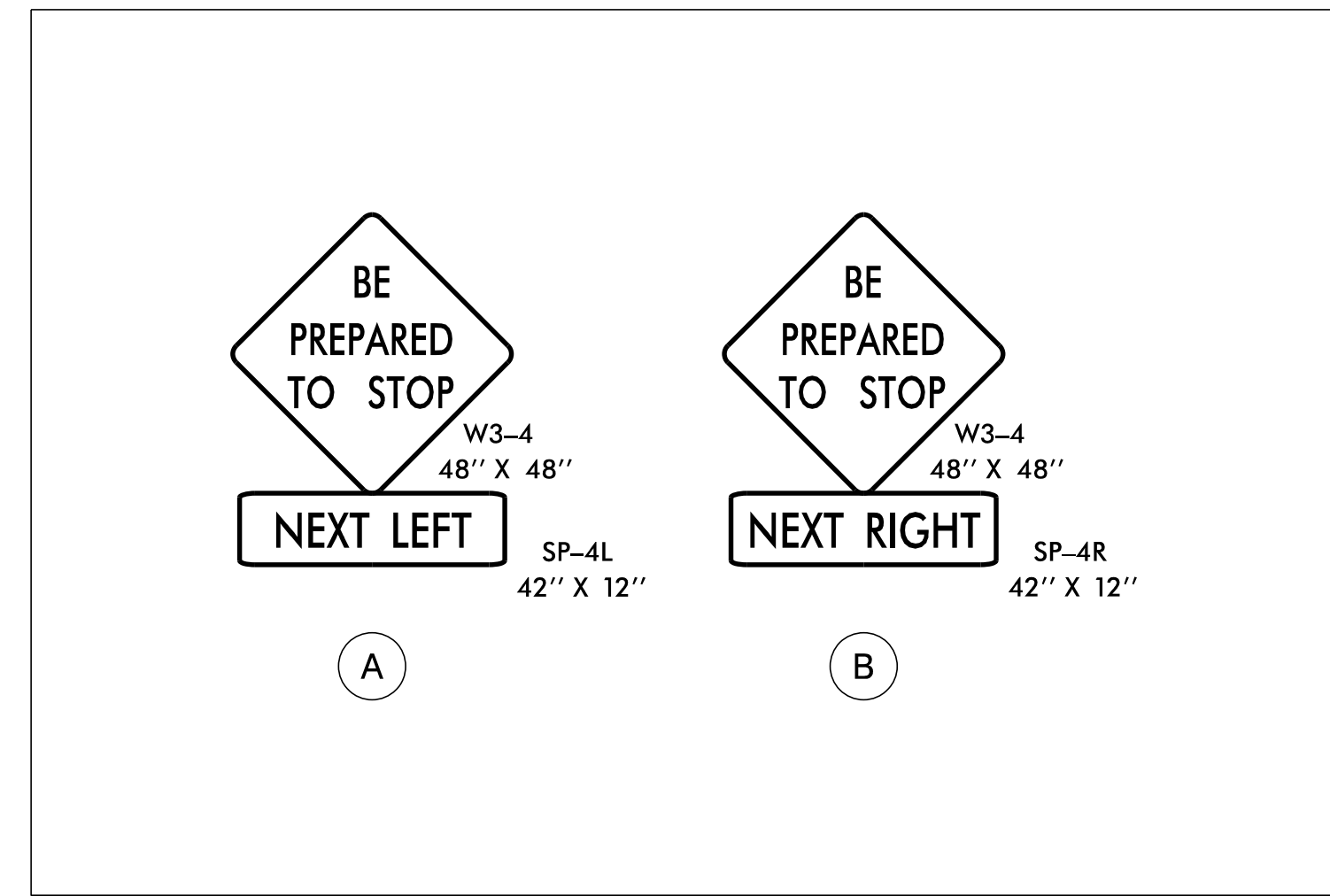
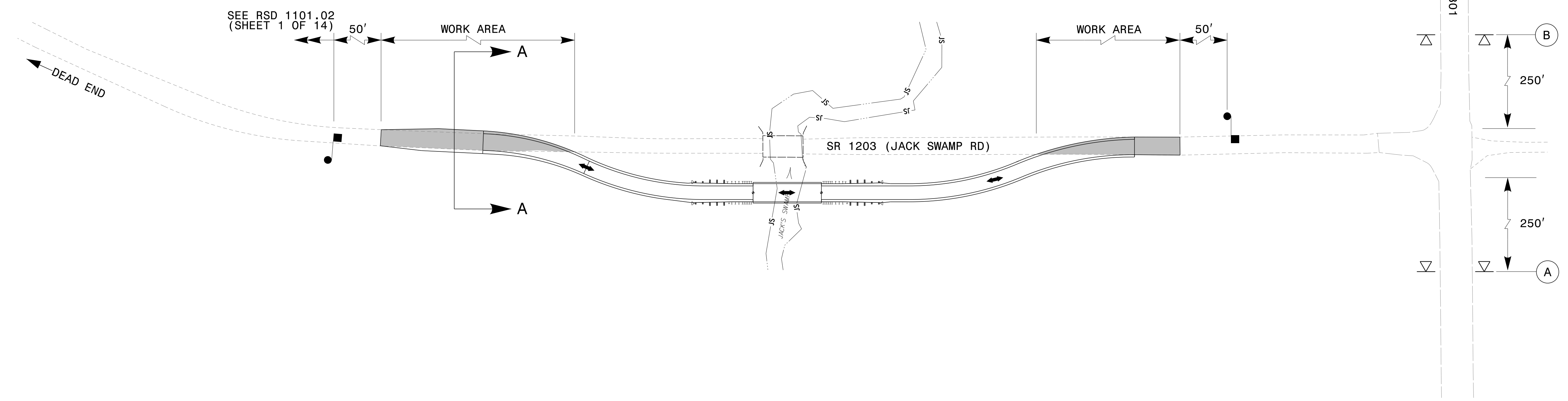
**NOTES:**

- FOR ADDITIONAL NOTES AND DRUM SPACING, SEE RSD 1101.02 (SHEET 1 OF 14), DESIGN SPEED = 30 MPH.

APPROVED: *John P. Mazers*  
 DATE: 11/5/2020  
  
**DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED**

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

**PHASE 2**

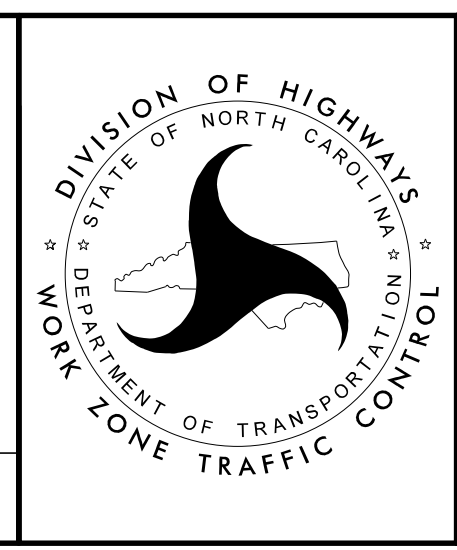


LEGEND	
	PORTABLE SIGN
	FLAGGER
	WORK AREA
	TRAVEL DIRECTION

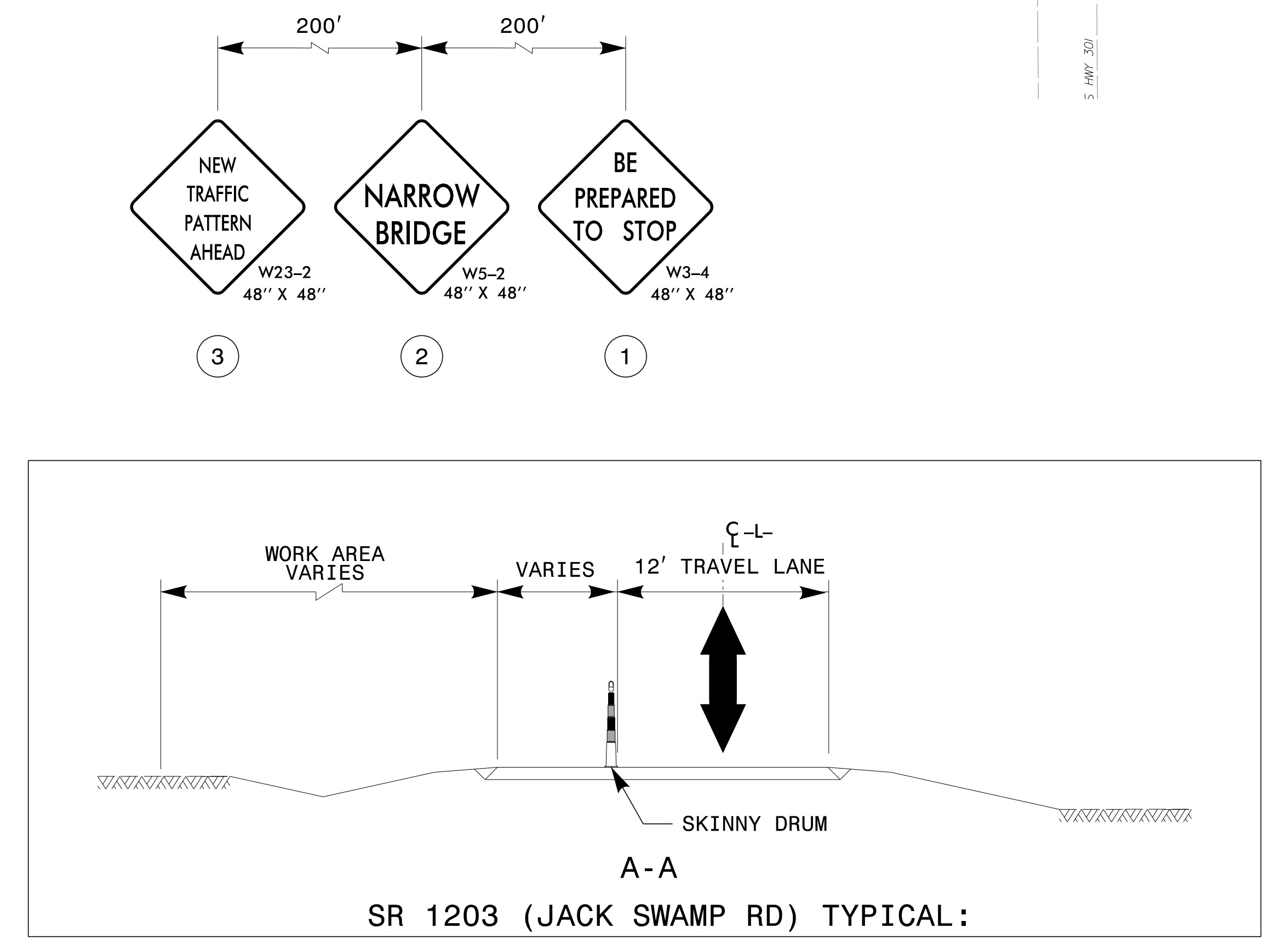
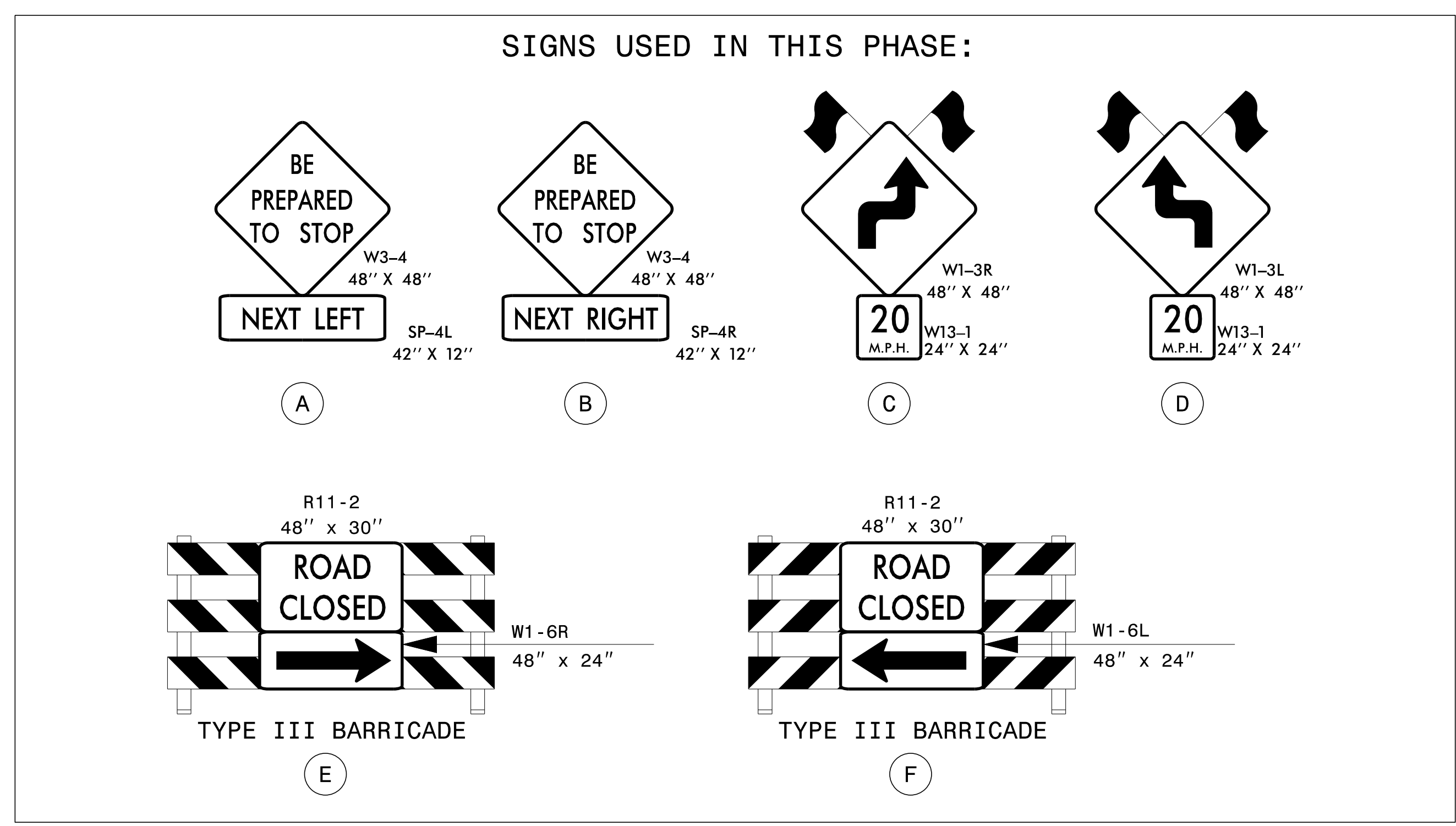
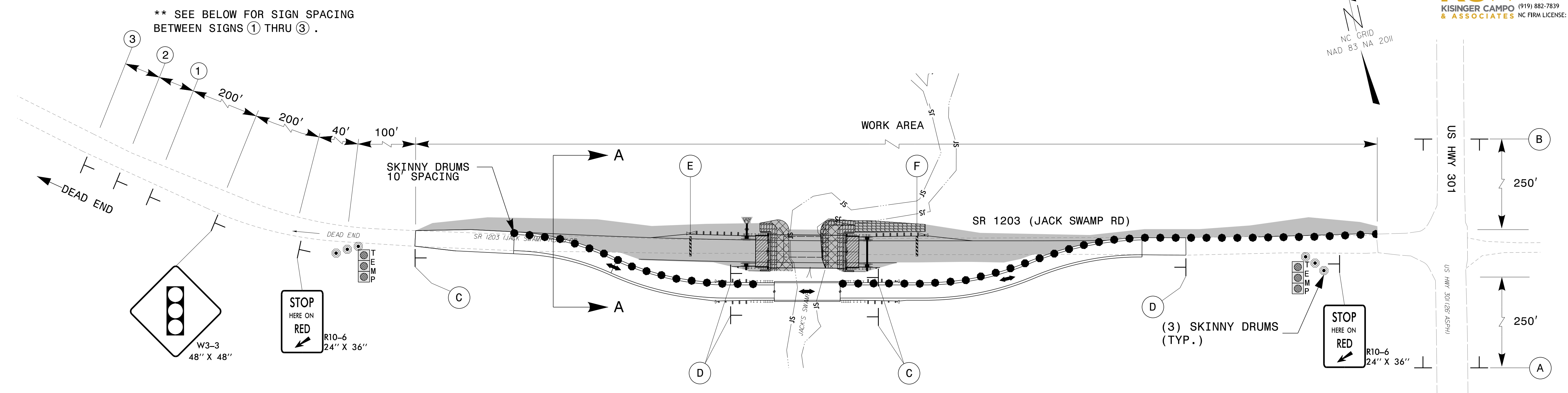
**NOTES:**

1. TRAFFIC CONTROL DEVICES (A) THRU (B) SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC THROUGHOUT THE LIFE OF THE PROJECT.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CLOSURES WITH RESIDENTS OF JACK SWAMP ROAD.

APPROVED: *John Mazers*  
 DATE: 11/5/2020  
  
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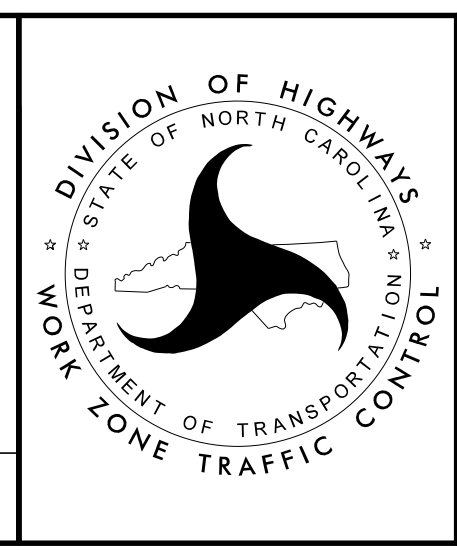
**PHASE 3**



LEGEND	
	TYPE III BARRICADE
	SKINNY DRUMS
	FLAGGER
	WORK AREA
	TRAVEL DIRECTION
	TEMPORARY STOPLIGHT
	STATIONARY SIGN

- NOTES:**
1. TRAFFIC CONTROL DEVICES ① THRU ⑥ AND ① THRU ③ SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
  2. FOR ADDITIONAL NOTES, SEE RSD 1101.03 (SHEET 3 OF 9)  
DESIGN SPEED FOR TEMPORARY CONDITION IS 20 MPH
  4. FOR TEMPORARY SIGNAL INFORMATION SEE SPECIAL PROVISIONS.

APPROVED: *John P. Mazeres*  
 DATE: 11/5/2020  
 PROFESSIONAL SEAL 043935  
 JOHN P. MAZERES  
 ENGINEER

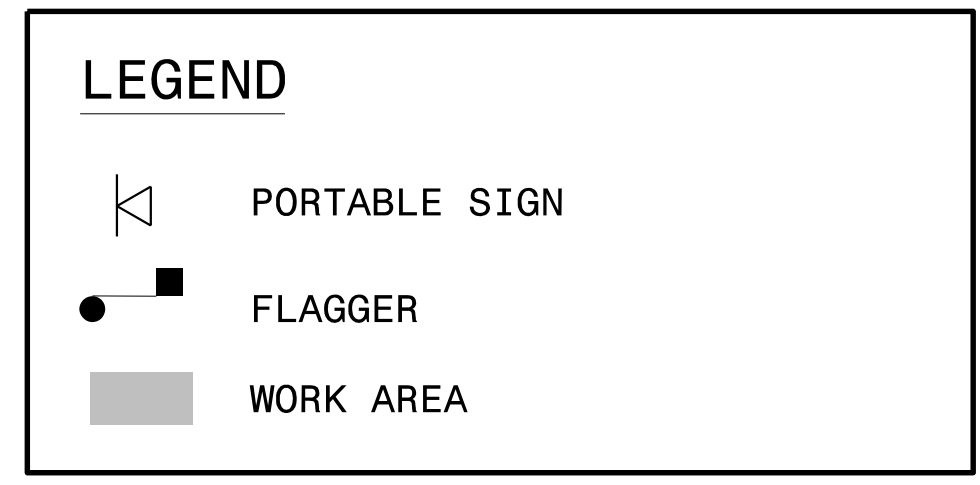
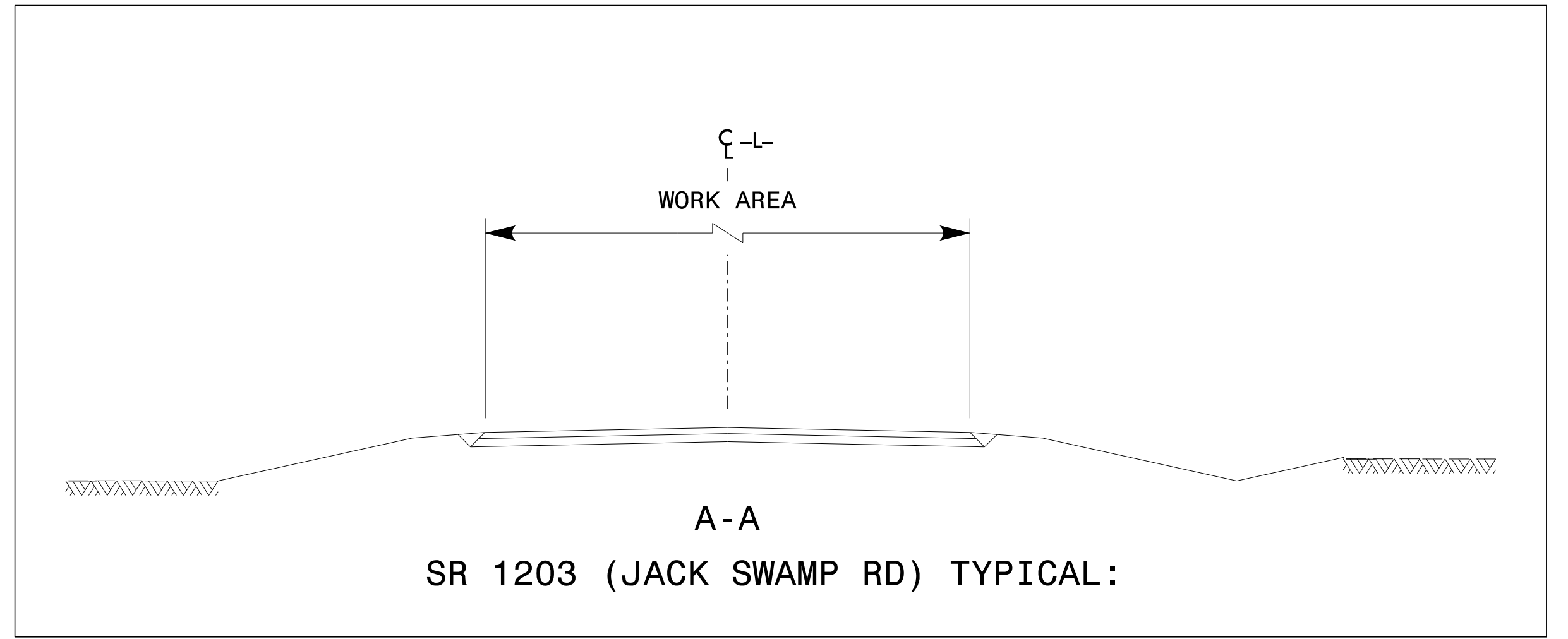
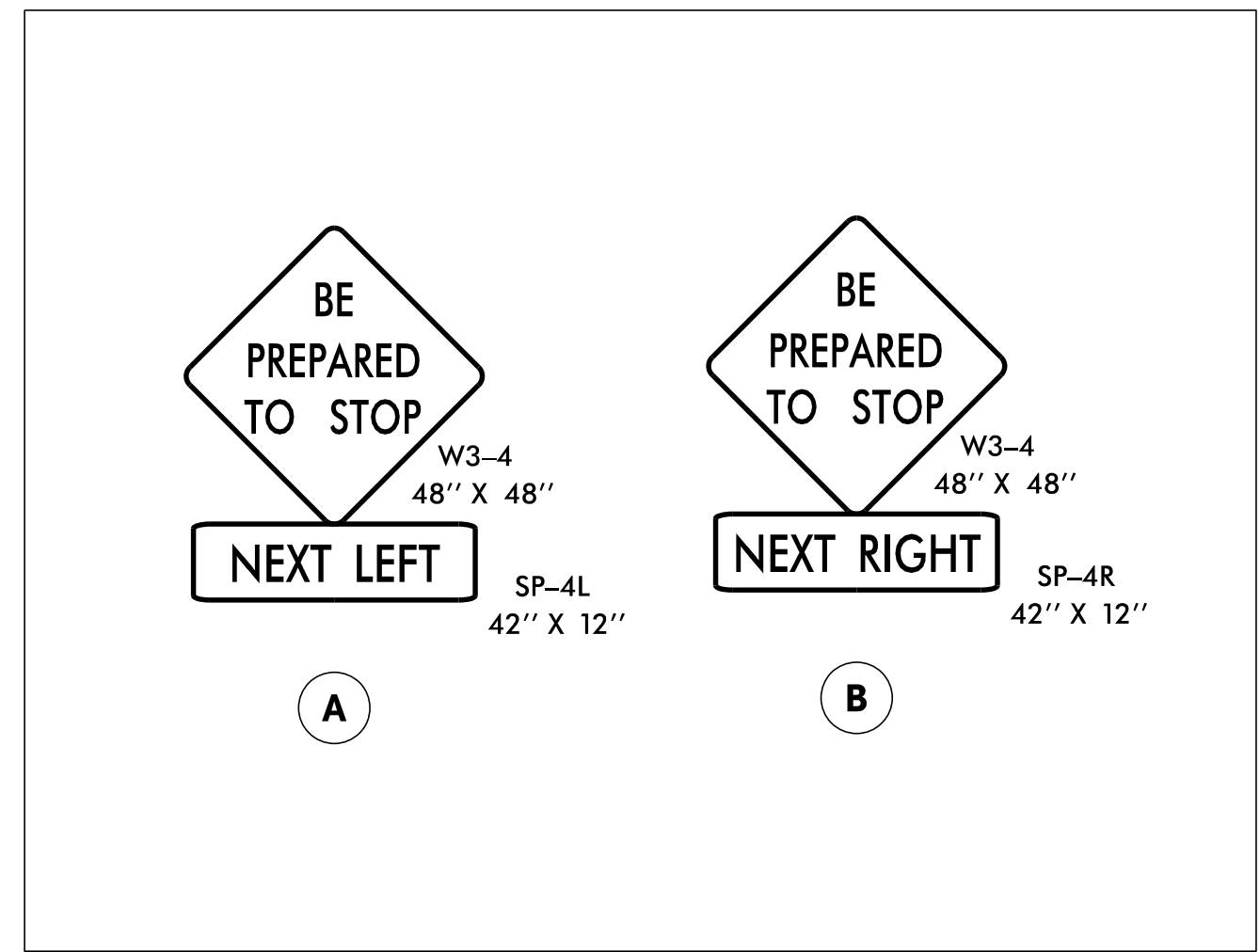
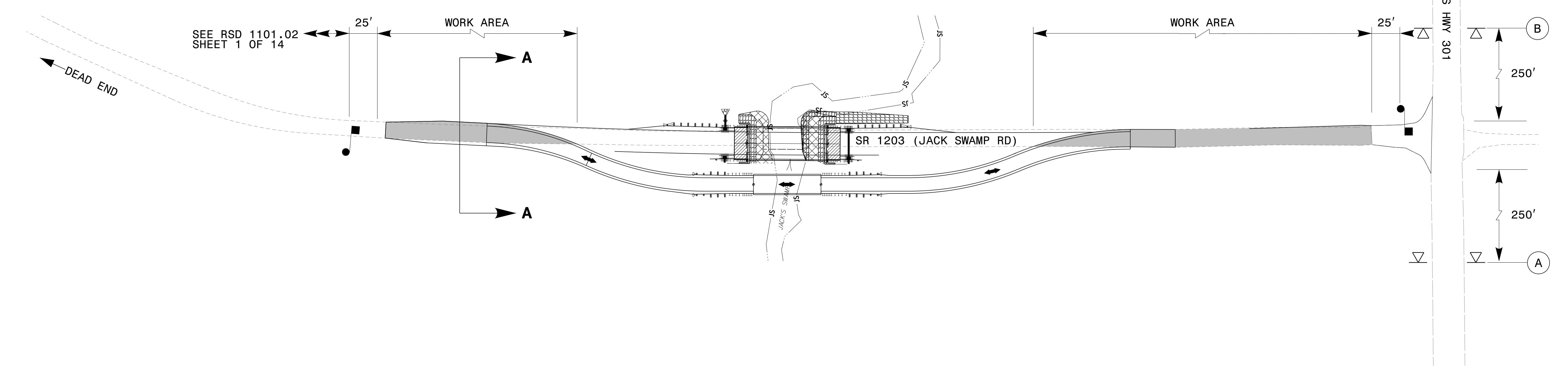


**PHASE 4**

3/2/2020  
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 User: jidebone

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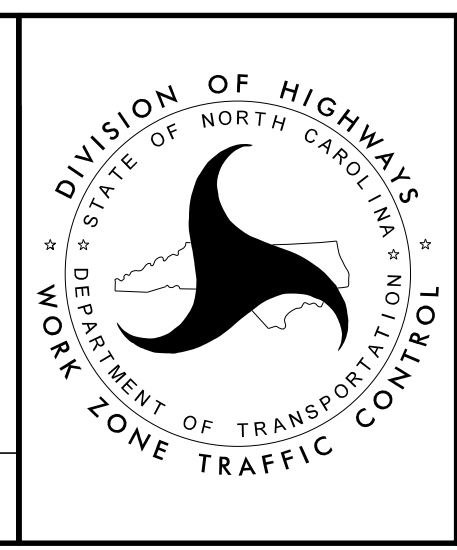


**NOTES:**

1. TRAFFIC CONTROL DEVICES (A) THRU (B) SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING TRAFFIC THROUGHOUT THE LIFE OF THE PROJECT.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CLOSURES WITH RESIDENTS OF JACK SWAMP ROAD.

APPROVED: *John P. Mazers*  
 DATE: 11/5/2020

DocuSigned by:  
 John P. Mazers  
 11/5/2020 10:57:15 AM EST

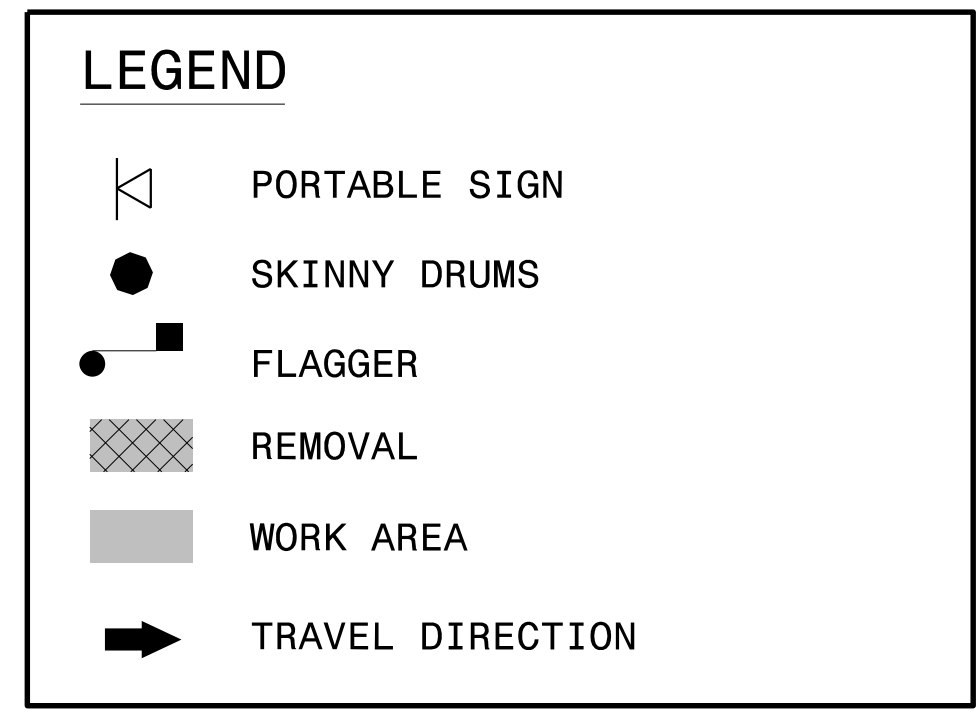
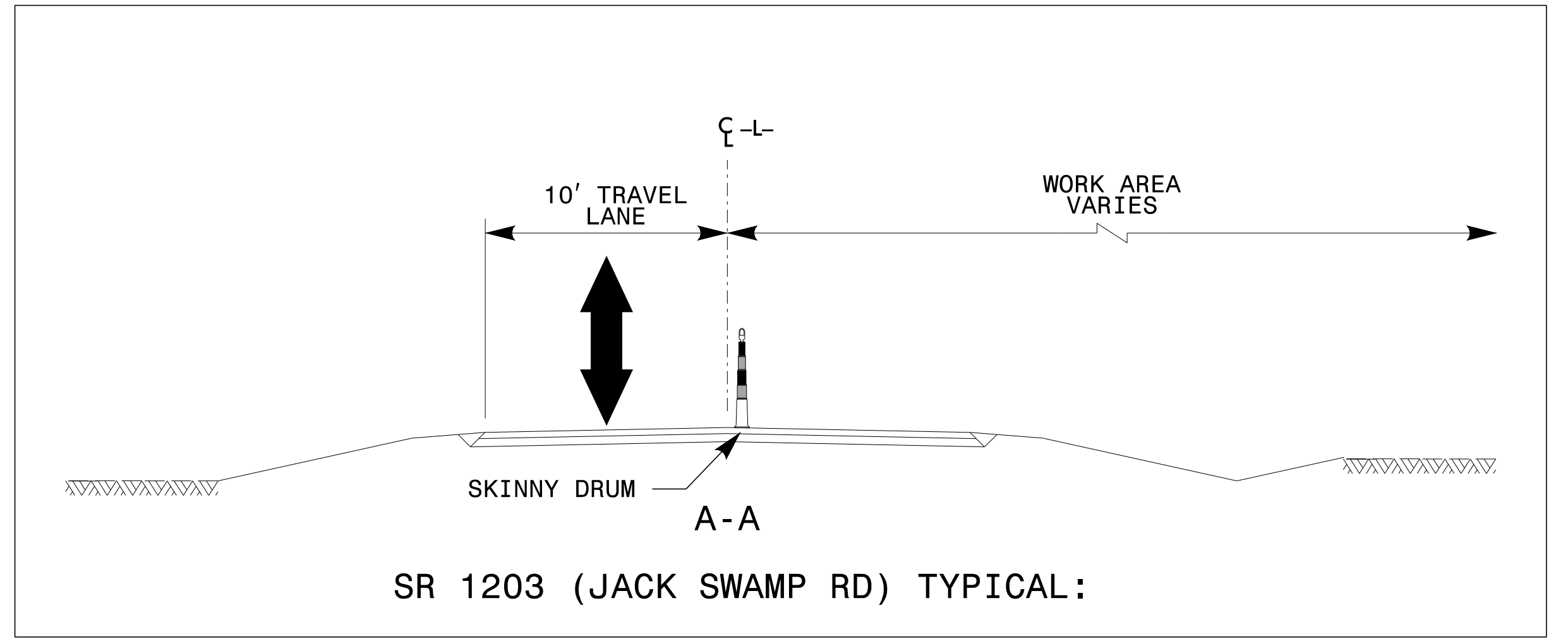
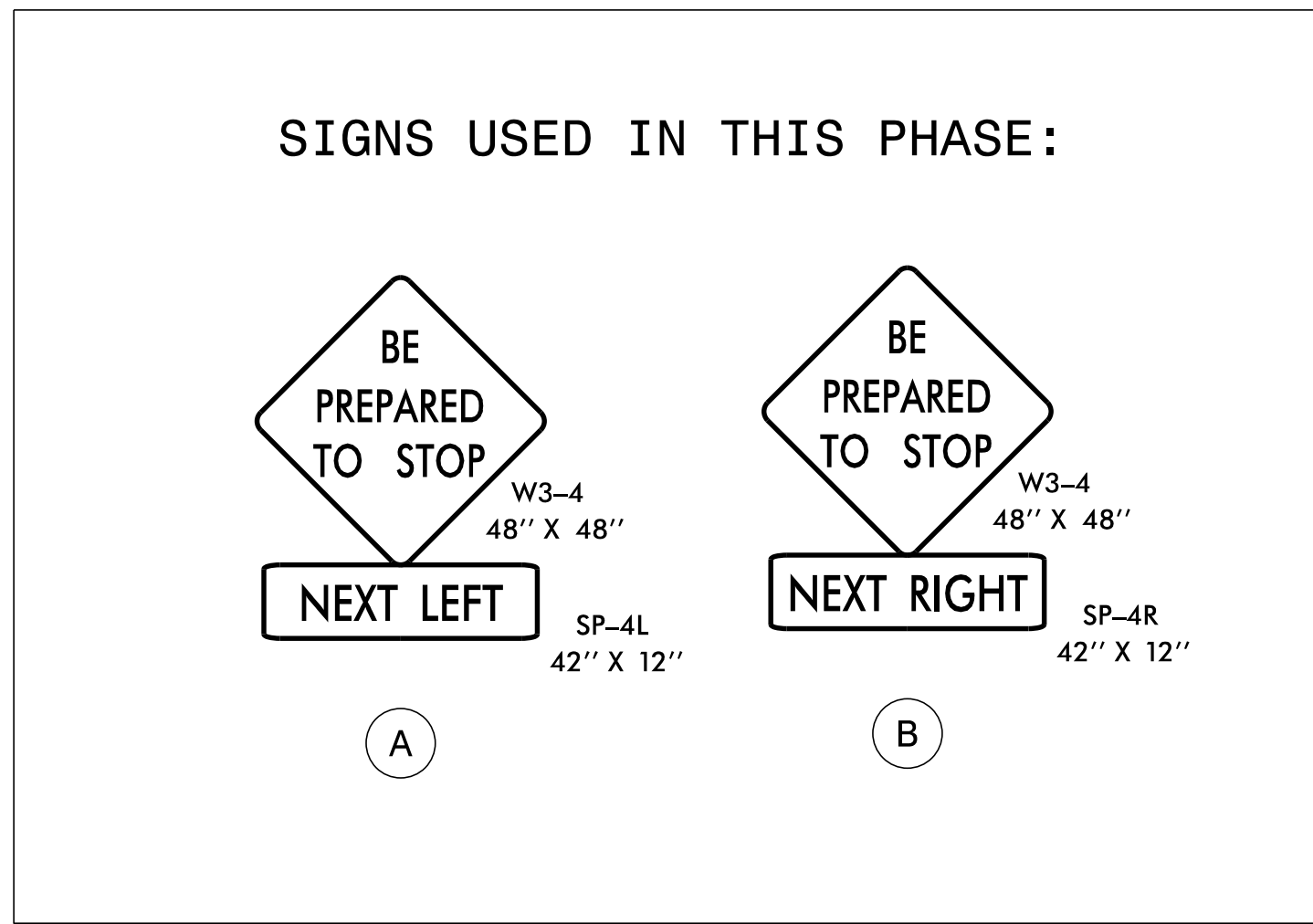
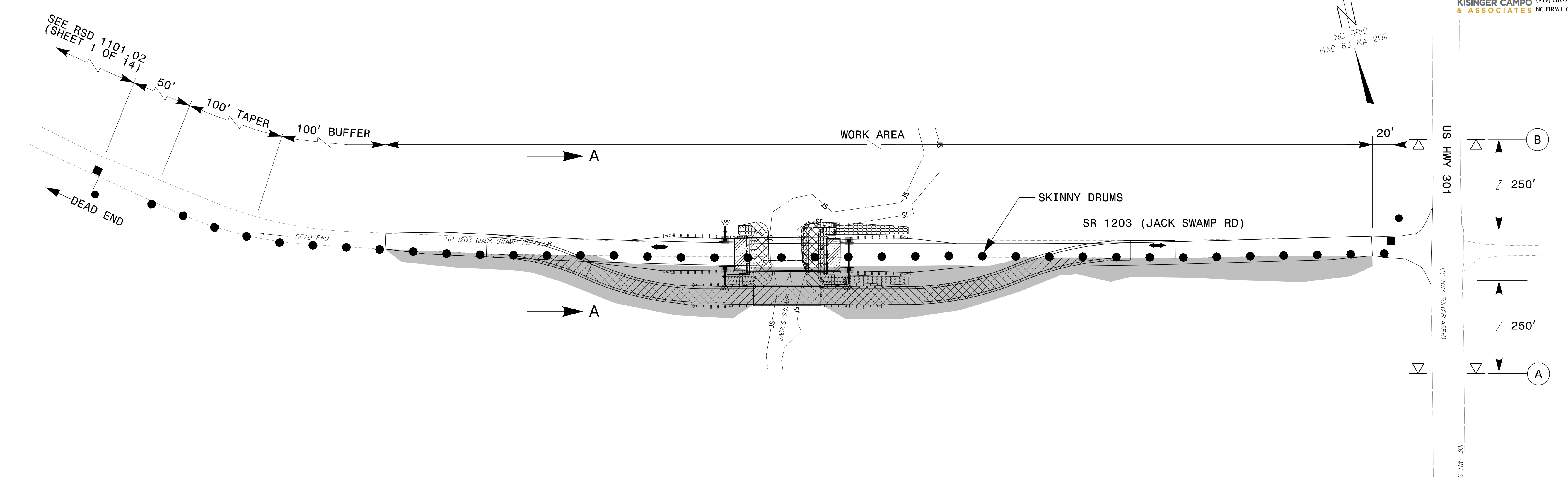


PHASE 5

3/2/2020  
 BR-0118-TC-TMP-PHASE-5.dgn  
 User: jdebone

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

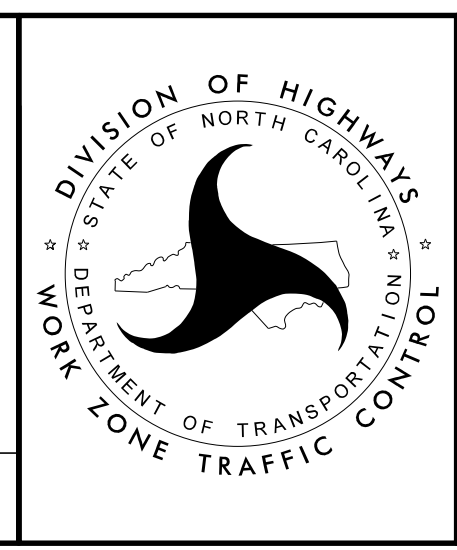




- NOTES:**
1. TRAFFIC CONTROL DEVICES (A) THRU (B) SHALL BE INSTALLED PER ENGINEER'S INSTRUCTIONS.
  2. FOR ADDITIONAL NOTES AND DRUM SPACING SEE RSD 1101.02 SHEET (1 OF 14), DESIGN SPEED = 30 MPH.

APPROVED: *John Mazers*  
 DATE: 11/5/2020  
 PROFESSIONAL SEAL  
 043935  
 JOHN P. MAZERS  
 ENGINEER

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



**PHASE 6**