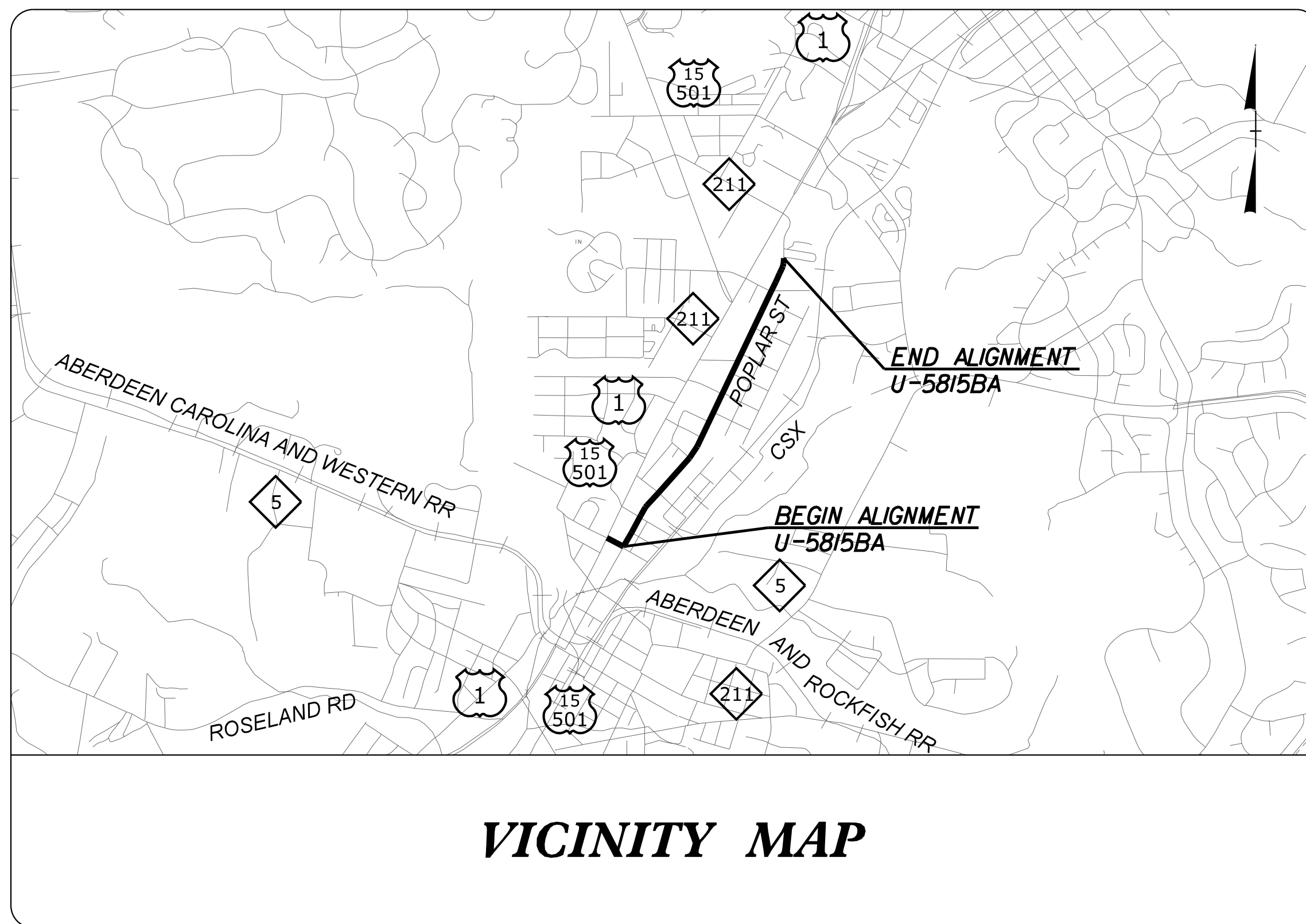
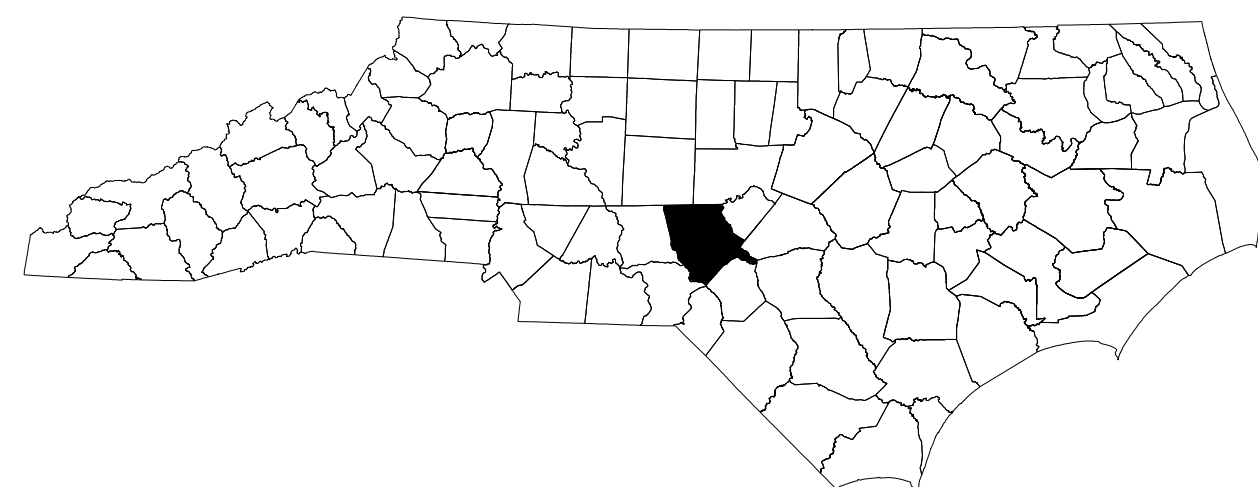


STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

MOORE COUNTY



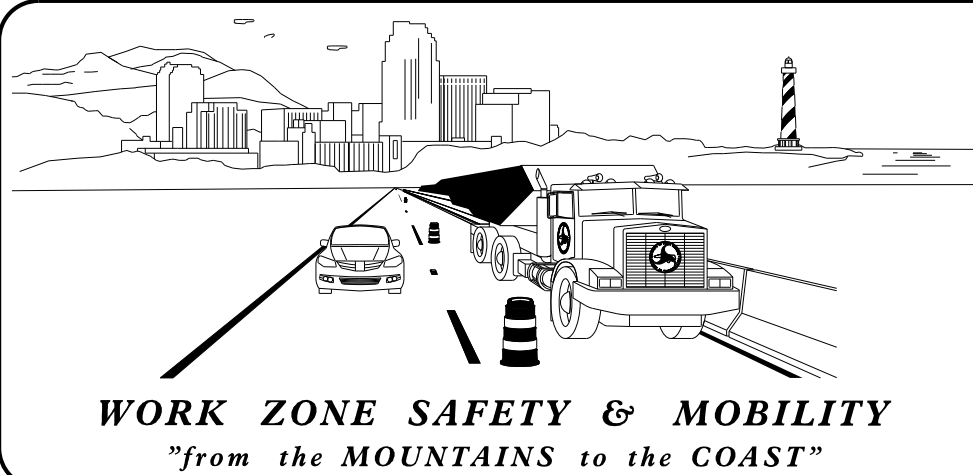
VICINITY MAP

INDEX OF SHEETS

<u>SHEET NO.</u>	<u>TITLE</u>
TMP-1	TITLE SHEET, AND INDEX OF SHEETS
TMP-1A TO TMP-1B	LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, GENERAL NOTES, AND PHASING NOTES

SHEET NO.
TMP - 1

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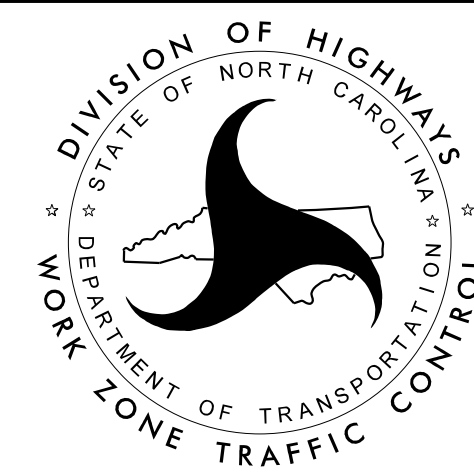
PLANS PREPARED BY:

MATT WEST, P.E.

SEAN KANE, P.E.

NCDOT CONTACTS:

JERRY PAGE, P.E.
PROJECT ENGINEER



Kimley»Horn

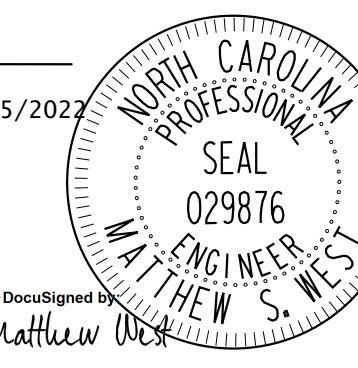
APPROVED: _____

DATE: _____

3/15/2022

SEAL

DocuSigned by
Matthew West
#C71A1C0D9825



U-5815BA

TIP PROJECT:

PROJ. REFERENCE NO.	SHEET NO.
U-5815BA	TMP-1A

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 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

<u>STD. NO.</u>	<u>TITLE</u>
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
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	TRUCK MOUNTED ATTENUATOR
1180.01	SKINNY-DRUM

MANAGEMENT STRATEGIES

PROPOSED IMPROVEMENTS ALONG POPLAR ST. AND ELM ST., AND ALL OTHER SIDE STREETS WILL BE CONSTRUCTED WHILE MAINTAINING TRAFFIC AND USING TEMPORARY LANE CLOSURES. LOCAL ACCESS TO RESIDENTS AND BUSINESSES WILL BE MAINTAINED AT ALL POSSIBLE TIMES DURING CONSTRUCTION.

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 UNDESIRE 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) CONSTRUCTION IS PROHIBITED BETWEEN THE HOURS OF 7:00P.M. AND 7:00A.M. ALONG ELM STREET AND POPLAR STREET.

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

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- US-1	MONDAY THRU SUNDAY 6:00 AM TO 8:00 PM*

*TEMPORARY SINGLE LANE CLOSURE ON US-1 IS PERMITTED, WITH PRIOR APPROVAL FROM THE ENGINEER, SUBJECT TO PHASING REQUIREMENTS LISTED HEREIN.

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

ROAD NAME	HOLIDAY
-L- US 1 POPLAR ST ELM ST	<ol style="list-style-type: none"> 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 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 6:00 A.M. THE FOLLOWING TUESDAY. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY. FOR MEMORIAL DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE DAY AFTER INDEPENDENCE DAY. IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS. FOR TOWN OF ABERDEEN SPECIAL EVENTS, OCCURING THE FIRST FRIDAY IN APRIL AND THE FIRST AND SECOND FRIDAYS IN DECEMBER, BETWEEN THE HOURS OF 6:00 P.M. FRIDAY TO 6:00 A.M. THE FOLLOWING MONDAY.

TIME RESTRICTIONS (CONT.)

10. FOR THE US OPEN, BETWEEN 6:00 A.M. FOURTEEN (14) CALENDAR DAYS BEFORE THE START DATE AND 6:00 P.M. SEVEN (7) CALENDAR DAYS AFTER THE END DATE OF THE US OPEN. NO WORK SHALL OCCUR DURING THIS TIME RESTRICTION UNLESS DIRECTED BY THE ENGINEER.

D) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
-L- US 1 POPLAR ST ELM ST	ANYTIME**

**COORDINATE REQUESTS FOR FULL OR PARTIAL CLOSURES WITH ENGINEER AND TOWN OF ABERDEEN. OBTAIN WRITTEN APPROVAL OF EACH CLOSURE REQUEST PRIOR TO IMPLEMENTATION.

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

LANE AND SHOULDER CLOSURE REQUIREMENTS

F) 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.

G) 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.

H) 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.

I) 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.

J) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

L) 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.

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ROADWAY STANDARD DRAWINGS & GENERAL NOTES

APPROVED: _____ DATE: _____			<p>7/1/2022</p>
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LANE AND SHOULDER CLOSURE REQ'S (CONT.)

TRAFFIC CONTROL DEVICES

- M) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.
- N) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.
- O) 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.).

LOCAL NOTES

- 1) MAINTAIN EXISTING PEDESTRIAN ROUTES DURING CONSTRUCTION. AT ALL POSSIBLE TIMES, MAINTAIN EXISTING SIDEWALK UNTIL NEW SIDEWALK IS IN PLACE, USING SAFETY FENCE AS NEEDED TO KEEP PEDESTRIANS OUT OF THE WORK AREAS.

PHASING

MAINTAIN A MEANS OF INGRESS/EGRESS FOR ALL REDENCES AND BUSINESSES AT ALL TIMES. COORDINATE REQUESTS FOR FULL OR PARTIAL CLOSURES NOT DESCRIBED BELOW WITH ENGINEER AND TOWN OF ABERDEEN. OBTAIN WRITTEN APPROVAL OF EACH CLOSURE REQUEST PRIOR TO IMPLEMENTATION.

WHILE MAINTAINING TRAFFIC USING RSD 1101.04 FOR SHOULDER CLOSURES AND RSD 1101.02 FOR LANE CLOSURES AS NECESSARY, PERFORM THE FOLLOWING:

STEP 1:
INSTALL ADVANCE WARNING SIGNS IN ACCORDANCE WITH RSD 1101.01

AREA 1: ELM STREET
WATER LINE TIE TO US 1/ US 15-501

INTERMEDIATE CONTRACT TIME #1:
WORKING IN A CONTINUOUS MANNER BETWEEN THE HOURS OF 9:00 A.M. AND 4:00 P.M. SATURDAY AND/OR SUNDAY, COMPLETE THE WORK IN STEP 2 BELOW.

STEP 2:
USING TEMPORARY LANE CLOSURE AND ONE-LANE TWO-WAY TRAFFIC PATTERN ON ELM STREET AND A SINGLE LANE CLOSURE ON US 1/US 15-501, CONSTRUCT TEMPORARY WATER LINE CONNECTION TO THE EXISTING TRANSMISSION MAIN PARALLEL TO US 1/US 15-501.

STEP 3:
USING TEMPORARY LANE CLOSURE AND ONE-LANE TWO-WAY TRAFFIC PATTERN ON ELM STREET, INSTALL UTILITY LINES AT CONSTRUCTABLE INCREMENTS MOVING CLOSURE AS NECESSARY

RECOMMEND CONSTRUCTION OF ONLY ONE WATER OR SEWER LINE AT A TIME ALONG ELM STREET.

STEP 4:
INSTALL FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, MARKERS AND SIGNAGE. REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.

AREA 2: POPLAR STREET (FROM ELM STREET TO PEACH AVE)

STEP 2:
USING TEMPORARY LANE CLOSURE AND ONE-LANE TWO-WAY TRAFFIC PATTERN INSTALL UTILITY LINES AT CONSTRUCTABLE INCREMENTS MOVING CLOSURE AS NECESSARY.

RECOMMEND CONSTRUCTION OF ONLY ONE WATER OR SEWER LINE AT A TIME ALONG POPLAR STREET.

STEP 3:
INSTALL FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, MARKERS AND SIGNAGE. REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.

PHASING

AREA 3: POPLAR STREET (FROM PEACH AVE TO LIMITS OF PARKING LOT)

STEP 2:
USING TEMPORARY LANE CLOSURE AND ONE-LANE TWO-WAY TRAFFIC PATTERN INSTALL UTILITY LINES AT CONSTRUCTABLE INCREMENTS MOVING CLOSURE AS NECESSARY.

STEP 3:
INSTALL FINAL LAYER OF ASPHALT, FINAL PAVEMENT MARKINGS, MARKERS AND SIGNAGE. REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.

AREA 4: PARKING LOT

INTERMEDIATE CONTRACT TIME #2:
WORKING IN A CONTINUOUS MANNER BETWEEN THE HOURS OF 6:00 P.M. ON FRIDAY AND 6:00 A.M. ON THE FOLLOWING MONDAY, COMPLETE THE WORK IN STEPS 2 THRU 4 BELOW.

STEP 2:
CLOSE PARKING TO THE LIMITS OF WORK BEING PERFORMED.

STEP 3:
USING TEMPORARY LANE CLOSURES AND FLAGGERS TO MAINTAIN TRAFFIC ACCESS TO THE PARKING AREA FROM ADJACENT ROADS. INSTALL WATER LINE TO AND INCLUDING THE PROPOSED GATE VALVE AT -W1- STA 96+64.

STEP 4:
INSTALL PAVEMENT REPAIR AND TEMPORARY PAVEMENT MARKINGS UPON COMPLETION OF WATER LINE INSTALLATION IF FINAL LAYER OF ASPHALT AND PERMANENT MARKINGS WILL NOT BE INSTALLED IMMEDIATELY. REMOVE ALL TRAFFIC CONTROL DEVICES AND REOPEN PARKING AREA TO TRAFFIC.

INTERMEDIATE CONTRACT TIME #3:
IF FINAL LAYER OF PAVING AND PAVEMENT MARKINGS ARE NOT INSTALLED UNDER ICT #2, WORKING IN A CONTINUOUS MANNER BETWEEN THE HOURS OF 6:00 P.M. ON SATURDAY AND 6:00 A.M. ON THE FOLLOWING MONDAY, COMPLETE THE WORK IN STEP 5 BELOW.

STEP 5:
INSTALL FINAL LAYER OF ASPHALT AND FINAL PAVEMENT MARKINGS. REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN PARKING AREA TO TRAFFIC.

AREA 5: WATER VALVE REPLACEMENT AT NORTHERN TIE-IN

INTERMEDIATE CONTRACT TIME #4:
WORKING IN A CONTINUOUS MANNER BETWEEN THE HOURS OF 8:00 P.M. AND 6:00 A.M., COMPLETE THE WORK IN STEPS 2 AND 3 BELOW.

STEP 2:
USING TEMPORARY SINGLE LANE CLOSURE, INSTALL LINE STOP, REPLACE 18" VALVE, AND REMOVE LINE STOP, AS SHOWN ON SHEET UC-9.

STEP 3:
REPLACE AFFECTED SIDEWALKS, REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.

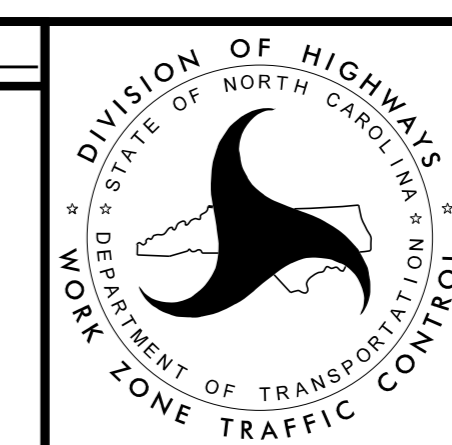
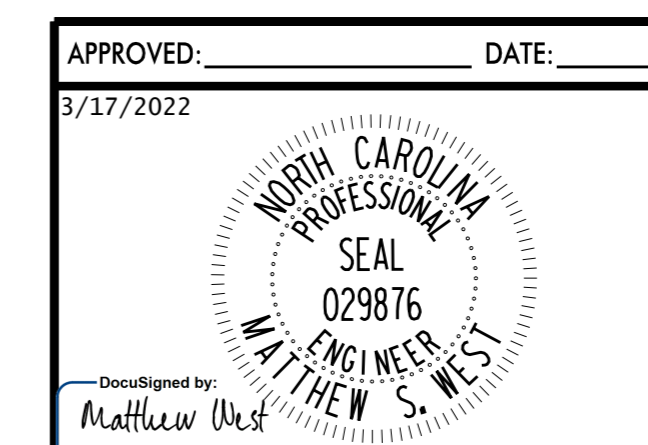
AREA 6: WATER LINE TIE-INS

INTERMEDIATE CONTRACT TIME #5:
WORKING IN A CONTINUOUS MANNER BETWEEN THE HOURS OF 9:00 A.M. AND 4:00 P.M. ON SATURDAY OR SUNDAY, COMPLETE THE WORK IN STEP 2 THRU 4 BELOW.

STEP 2:
USING TEMPORARY SINGLE LANE CLOSURE, MAKE FINAL WATER LINE CONNECTIONS, AS SHOWN ON SHEETS UC-4 AND UC-9.

STEP 3:
REPLACE AFFECTED SIDEWALKS, REMOVE ALL TRAFFIC CONTROL DEVICES AND OPEN ALL LANES TO TRAFFIC.

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GENERAL NOTES AND PHASING NOTES