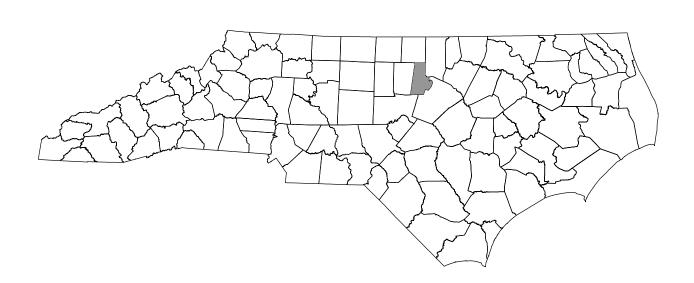
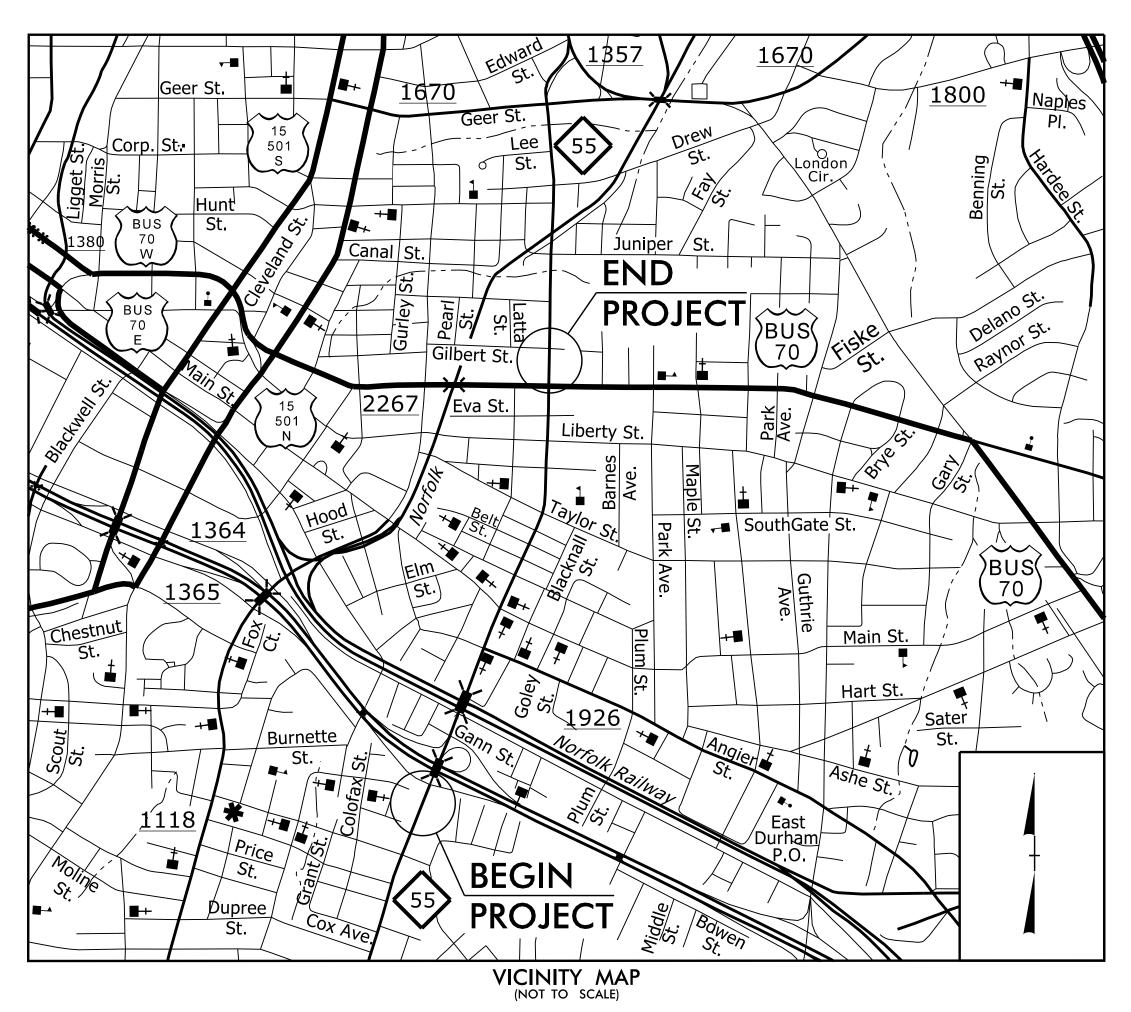
DURHAM COUNTY





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

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

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TRAFFIC CONTROL PROJECT DESIGN ENGINEER TRAFFIC CONTROL DESIGN ENGINEER



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PLAN PREPARED BY: HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116

MICHELLE WARD, P.E. TRAFFIC CONTROL PROJECT ENGINEER R. ERSKINE BROOKS, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER

CHRIS HARNDEN TRAFFIC CONTROL DESIGN ENGINEER

> APPROVED: R. Erskin Brooks DATE: 5-/fb39/2804664EE... SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SHEET NO.

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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.	<u>TITLE</u>
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
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
1205.03	PAVEMENT MARKINGS - EXITS AND ENTRANCE RAMPS
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
1205.12	PAVEMENT MARKINGS - BRIDGES
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

PROJ. REFERENCE NO.	SHEET NO.				
U-3308	TMP-1A				
HDR Engineering, I 3733 National Drive, Suite N.C.B.E.L.S. Licenso	nc. of the Carolinas 207 Raleigh, N.C. 27612 e Number: F–0116				

LEGEND

GENERAL

DIRECTION OF TRAFFIC FLOW

DIRECTION OF PEDESTRIAN TRAFFIC FLOW

———— EXIST. PVMT.

NORTH ARROW

PROPOSED PVMT.

TEMP. SHORING (LOCATION PURPOSES ONLY)

WORK AREA

ON-GOING CONSTRUCTION

WEDGING

TEMPORARY PAVEMENT

REMOVAL

SIGNALS







PAVEMENT MARKINGS

——EXISTING LINES ——TEMPORARY LINES

TRAFFIC CONTROL DEVICES

BARRICADE (TYPE III)

DRUM SKINNY DRUM O TUBULAR MARKER

TEMPORARY CRASH CUSHION FLASHING ARROW PANEL (TYPE C)

FLAGGER

LAW ENFORCEMENT

TRUCK MOUNTED IMPACT ATTENUATOR (TMIA)

CHANGEABLE MESSAGE SIGN

TEMPORARY SIGNING

PORTABLE SIGN

STATIONARY SIGN

STATIONARY OR PORTABLE SIGN

PAVEMENT MARKERS

CRYSTAL/CRYSTAL

CRYSTAL/RED

YELLOW/YELLOW

PAVEMENT MARKING SYMBOLS

PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

PAINT

24" WHITE STOP BAR (PAINT)

24" WHITE CROSSWALK LINE (PAINT)

4" WHITE 2'-6'/ SP MINI-SKIP (PAINT)

4" YELLOW 2'-6'/ SP MINI-SKIP (PAINT)

(P13) 8" WHITE 3'-9'/ SP MINI-SKIP (PAINT)

PA 4" WHITE EDGE LINE (PAINT)

PB 4" YELLOW EDGE LINE (PAINT)

4'' WHITE 10'-30'/ SP SKIP (PAINT)

24" WHITE STOP BAR (TAPE)

4" WHITE 3'-9'/ SP MINI-SKIP (PAINT)

4" WHITE LANE LINE (PAINT)

4" 10' YELLOW SKIP (PAINT)

4" YELLOW SINGLE CENTER (PAINT)

4" YELLOW DOUBLE CENTER (PAINT)

8" WHITE GORELINE (PAINT)

8" YELLOW DIAGONAL (PAINT) 8" WHITE CROSSWALK LINE (PAINT)

8" WHITE LANE LINE (PAINT)

LEFT TURN ARROW (PAINT)

RIGHT TURN ARROW (PAINT)

STRAIGHT ARROW (PAINT)

STRAIGHT-LEFT ARROW (PAINT)

STRAIGHT-RIGHT COMBO. (PAINT)

ALPHANUMERIC CHARACTER (PAINT)

24" YIELD LINE TRIANGLE

COLD APPLIED PLASTIC, TYPE IV - REMOVABLE TAPE

4" WHITE EDGE LINE (TAPE)

4" YELLOW DOUBLE CENTER (TAPE)

APPROVED R. Erskie Brooks DATE: 5/13/20: SEAL

ROADWAY STANDARD DRAWINGS & LEGEND

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT NOTES

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

ROAD NAME

-LALT-/ALSTON AVENUE (NC 55) -YA-/DURHAM FREEWAY (NC 147), AND RAMPS -R1-, -R2-, -R3-, -R4-, -R5--Y2-/ANGIER AVENUE (SR 1926)

-Y4- & -Y5-/MAIN STREET

-Y18-/LIBERTY STREET

-Y15-/TAYLOR STREET

-Y22-/HOLLOWAY STREET (US 70 BUS/NC 98)

HOLIDAY

- 1. FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- 2. FOR NEW YEAR'S, BETWEEN THE HOURS OF 6:00 A.M. DECEMBER 31st TO 8:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY. SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 8:00 P.M. THE FOLLOWING TUESDAY.
- 3. FOR EASTER, BETWEEN THE HOURS OF 6:00 A.M. THURSDAY AND 8:00 P.M. MONDAY.
- 4. FOR MEMORIAL DAY. BETWEEN THE HOURS OF 6:00 A.M. FRIDAY TO 8:00 P.M. TUESDAY.
- 5. FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 6:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 6:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 8:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- 6. FOR LABOR DAY, BETWEEN THE HOURS OF 6:00 A.M. FRIDAY AND 8:00 P.M. TUESDAY.
- 7. FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 6:00 A.M. TUESDAY TO 8:00 P.M. MONDAY.
- 8. FOR CHRISTMAS, BETWEEN THE HOURS OF 6:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 8:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS.
- 9. FOR EVENTS OCCURRING AT THE FOLLOWING VENUES BETWEEN TWO (2) HOURS BEFORE THE START AND TWO (2) HOURS AFTER THE END.
 - DUKE UNIVERSITY GRADUATION. FOOTBALL GAMES. MEN'S BASKETBALL GAMES, AND WOMEN'S BASKETBALL GAMES
 - DURHAM BULLS ATHLETIC PARK - DURHAM PERFORMING ARTS CENTER
 - NORTH CAROLINA CENTRAL UNIVERSITY GRADUATION, FOOTBALL GAMES,
 - MEN'S BASKETBALL GAMES, AND WOMEN'S BASKETBALL GAMES
 - DURHAM RESCUE MISSION (SEE LOCAL NOTE LN-03)
 - OTHER LARGE TRAFFIC VOLUME GENERATING EVENTS AS NOTED BY THE ENGINEER

DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME

1) -LALT-/ALSTON AVENUE (NC 55) -YA-/DURHAM FWY (NC 147) -R1-, -R2-, -R3-, -R4-, -R5-

MONDAY-SUNDAY: 6:00 A.M. TO 10:00 P.M.

-Y22-/HOLLOWAY STREET (US 70 BUS/NC 98)

2) -Y2-/ANGIER AVE (SR 1926) -Y4- & -Y5-/MAIN STREET -Y15- TAYLOR STREET

MONDAY-FRIDAY: 6:00 A.M. TO 10:00 P.M.

DAY AND TIME RESTRICTIONS

-Y18- LIBERTY STREET

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME 1) ALL ROADS DAY AND TIME **OPERATION** RESTRICTIONS MONDAY-FRIDAY: 7:00 A.M. TO 9:00 A.M. SHIFTS 4:00 P.M. TO 7:00 P.M.

DURATION AND 15 MINUTES FOR TRAFFIC

APPROVED R. Erskine Brooks DATE: 5/13/20 SEAL 032584 ONE TRAFFIC

PROJECT NOTES

SHEET NO.

TMP-2

PROJ. REFERENCE NO.

U-3308

DAY AND TIME RESTRICTIONS

-LALT-/ALSTON AVENUE (NC 55) MONDAY-FRIDAY: 7:00 A.M. TO 9:00 A.M. &

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116

MANAGEMENT STRATEGIES

THIS PROJECT WILL BE COMPLETED BY MAINTAINING TRAFFIC ON EXISTING NC 55 AND NC 147, EXCEPT AS NOTED IN THE PHASING FOR OVERHEAD BRIDGE WORK, DRAINAGE INSTALLATIONS, AND UTILITY WORK AS NECESSARY. RECONSTRUCTION OF NC 55/NC 147 RAMPS WILL BE COMPLETED BY USE OF FLAGGERS, CLOSURES AND DETOURS. ALL OTHER CONSTRUCTION AND Y-LINE WORK WILL BE COMPLETED AWAY FROM TRAFFIC DURING A CLOSURE OF EACH STREET. TIE-INS OF EACH Y-LINE TO NC 55 WILL BE COMPLETED BY USE OF FLAGGERS AND LANE CLOSURES ALONG NC 55. TEMPORARY PAVEMENT AND TRAFFIC SHIFTS WILL BE REQUIRED TO MAINTAIN TRAFFIC AND ALLOW ADEQUATE ROOM FOR CONSTRUCTION. TEMPORARY PAVEMENT AND TEMPORARY WEDGING WILL BE REQUIRED TO TRANSITION FROM EXISTING PAVEMENT TO THE PERMANENT PAVEMENT AND FOR TEMPORARY TIE-INS FROM EXISTING NC 55 TO Y-LINES WHERE THE PROPOSED GRADES DO NOT MATCH EXISTING NC 55.

PEDESTRIANS ACCESS WILL BE MAINTAINED ALONG EXISTING FACILITIES AND NEW SECTIONS OF PERMANENT SIDEWALK. WHEN REQUIRED DUE TO CLOSURES OF EXISTING SIDEWALK, PEDESTRIAN ACCESS WILL BE MAINTAINED BY USE OF PEDESTRIAN DETOURS ALONG ADJACENT STREETS.

THE REPLACEMENT OF THE NC 55 BRIDGE OVER NC 147 WILL BE COMPLETED BY USE OF TEMPORARY TRAFFIC PATTERNS ON NC 55 WHILE MAINTAINING TRAFFIC ON NC 55 AND NC 147. TEMPORARY CLOSURES OF NC 147 WILL BE REQUIRED TO COMPLETE OVERHEAD BRIDGE WORK.

WIDENING OF AND CONSTRUCTION ALONG RAMPS -R1- AND -R2- WILL BE COMPLETED UNDER TRAFFIC OR BY USE OF TEMPORARY RAMP CLOSURES. RECONSTRUCTION OF RAMPS -R3- AND -R5- WILL BE COMPLETED BY USE OF SHORT-TERM CLOSURES DURING THEIR RESPECTIVE PHASE. RAMP -R4- WILL BE CLOSED AND DETOURED LONG-TERM FOR THE DURATION OF PHASE 2.

CONSTRUCTION OF PHASE 1, STEPS 1-10, NORTH OF THE NC 147 INTERCHANGE, WILL BE COMPLETED BY MAINTAINING TRAFFIC IN THE EXISTING PATTERNS AND COMPLETING ALL TEMPORARY PAVEMENT, WIDENING, AND NEW LOCATION SECTIONS AWAY FROM TRAFFIC OR BY USE OF FLAGGERS AND LANE CLOSURES.

TRAFFIC WILL THEN BE SHIFTED TO AREAS OF TEMPORARY PAVEMENT ALONG NC 55 FROM MAIN STREET TO HOLLOWAY STREET TO ALLOW PERMANENT CONSTRUCTION TO CONTINUE IN PHASE 1, STEPS 11-21.

TRAFFIC WILL BE SHIFTED TO A TEMPORARY PATTERN ON AREAS OF NEW PAVEMENT ALONG NC 55 TO ALLOW PERMANENT CONSTRUCTION TO CONTINUE IN PHASE 2.

IN PHASE 3, TRAFFIC WILL BE SHIFTED TO THE FINAL PATTERN ON NC 55, SOUTH OF MAIN STREET. NORTH OF MAIN STREET TRAFFIC WILL BE PLACED IN A TEMPORARY PATTERN BY USE OF DRUMS. IN ORDER TO UTILIZE THE FINAL SIGNAL PATTERNS, TRAFFIC WILL BE PLACED IN THE FINAL PATTERN ON NC 55 AT EACH SIGNALIZED INTERSECTION NORTH OF MAIN STREET. USING LANE CLOSURES, ALL REMAINING MEDIAN WORK WILL BE COMPLETED, FOLLOWED BY REMAINING OUTSIDE CURB AND GUTTER AND SIDEWALK WORK.

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

1) -YA-/DURHAM FREEWAY (NC 147) MON-FRI:

2) -LALT-/ALSTON AVENUE (NC 55)

-Y2/ANGIER AVENUE (SR 1926) -Y4- & -Y5-/MAIN STREET -Y18-/LIBERTY STREET

-Y22-/HOLLOWAY STREET

(US 70 BUS / NC 98)

DAY AND TIME RESTRICTIONS

6:00 A.M. TO 8:00 P.M. -R1-, -R2-, -R3-, -R4-, -R5- SAT & SUN: 10:00 A.M. TO 8:00 P.M.

> MON-FRI: 7:00 A.M. TO 9:00 A.M. & 4:00 P.M. TO 7:00 P.M.

-Y22-/HOLLOWAY STREET 4:00 P.M. TO 7:00 P.M (US 70 BUS / NC 98) F) 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.

E) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND

LANE AND SHOULDER CLOSURE REQUIREMENTS

EGRESS FROM RAMPS WILL BE ALLOWED:

ROAD NAME

- G) 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.
- H) 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.
- I) 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.

- J) 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.
- 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

L) 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.

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 EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

- O) 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.
- P) 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.

Q) 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.

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

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

25 FT 60 MPH or HIGHER 30 FT

PROJECT NOTES

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.
- X) PLACE ADDITIONAL SETS OF THREE CHANNELIZING DEVICES (DRUMS/CONES/SKINNY DRUMS) PERPENDICULAR TO THE EDGE OF TRAVELWAY ON 500 FT CENTERS WHEN UNOPENED LANES ARE CLOSED TO TRAFFIC.

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	<u>MARKING</u>	<u>MARKER</u>
ALL ROADS	PAINT (ON ASPHALT)	TEMPORARY RAISED
	COLD APPLIED PLASTIC -	
	TYPE IV (ON CONCRETE)	

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

MISCELLANEOUS

- DD) LAW ENFORCEMENT SHALL BE USED TO MAINTAIN TRAFFIC THROUGH THE WORK AREA AND/OR INTERSECTIONS AS DIRECTED BY THE ENGINEER.
- EE) 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) 250 FT. AND 500 FT. RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.
 - * TEMPORARY TIE-INS USING ABC STONE WILL NOT BE PERMITTED ON THE FOLLOWING ROADS:
 - -LALT-/ALSTON AVENUE (NC 55)
 - -YA-/DURHAM FREEWAY (NC 147)
 - ALL RAMPS
 - -Y2-/ANGIER AVENUE (SR 1926)
 - -Y4- & -Y5-/MAIN STREET
 - -Y15-/TAYLOR STREET
 - -Y18-/LIBERTY STREET

AND REOPENING OF SIDEWALK.

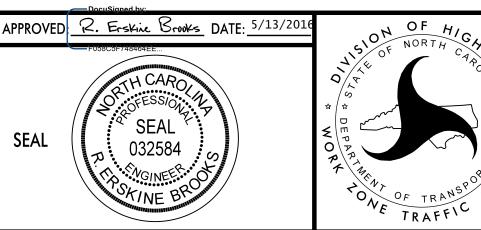
- -Y22-/HOLLOWAY STREET (US 70 BUS / NC 98)
- FF) ALL WHEELCHAIR RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.
- GG) CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS AT ALL TIMES AS STATED 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) ADJUST SIDEWALK CLOSURE AND PEDESTRIAN DETOUR SIGNING AS REQUIRED AND AS DIRECTED BY THE ENGINEER. RELOCATE SIGNING TO ADJACENT STREETS AS NECESSARY DUE TO SIDEWALK CLOSURES AND ACTIVE WORK AREAS THROUGH THE DURATION OF THE PROJECT. REMOVE PEDESTRIAN DETOUR SIGNING UPON COMPLETION **DOCUMENT NOT CONSIDERED FINAL**

UNLESS ALL SIGNATURES COMPLETED

- PROJ. REFERENCE NO. SHEET NO. TMP-2A HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F—0116
- II) CONTRACTOR SHALL COORDINATE WITH TRIANGLE TRANSIT AUTHORITY (TTA) AND DURHAM AREA TRANSIT AUTHORITY (DATA) PRIOR TO ANY STREET CLOSURES AND/ OR WORK THAT WILL IMPACT EXISTING BUS ROUTES AND BUS STOPS. ANY STOPS OR ROUTES THAT WILL BE IMPACTED BY CONSTRUCTION ACTIVITIES MUST BE TEMPORARILY CLOSED OR RELOCTED PRIOR TO BEGINNING WORK IN THAT LOCATION
- JJ) EXISTING SCHOOL ZONE FLASHERS MUST BE MAINTAINED THROUGHOUT CONSTRUCTION PER THE ENGINEER, RELOCATE FLASHERS AS NECESSARY TO ACCOMMODATE TRAFFIC SHIFTS DURING CONSTRUCTION.
- KK) CONTRACTOR SHALL COORDINATE WITH ADJACENT NCDOT PROJECTS U-0071 AND I-3306A TO ENSURE CONFLICTING DETOUR ROUTES ARE NOT PROPOSED FOR CONCURRENT ACTIVITIES.
- LL) CONTRACTOR SHALL COORDINATE WITH CITY OF DURHAM, AVONDALE ROAD SIDEWALK PROJECT TO ENSURE U-3308 DEOUR ROUTES AND SIGNING DO NOT CONFLICT WITH THE WORK ZONE ACTIVITIES FOR THE SIDEWALK PROJECT.

LOCAL NOTES

- LN-01) WHEN REMOVING EXISTING BRIDGE AND HANGING PROPOSED GIRDERS ON -LALT-BRIDGE, AT NIGHT CLOSE -YA- (NC 147) USING RSD 1101.03, SHEET 7 OF 9. AND CLOSE -LALT- (NC 55) USING RSD 1101.03, SHEET 1 OF 9. USE LAW ENFORCEMENT AND/OR DETOUR SIGNING, AS DIRECTED BY THE ENGINEER TO MAINTAIN NC 55 AND NC 147 TRAFFIC ALONG THE DETOUR ROUTES. (SEE SHEET TMP-2AV FOR DETOUR ROUTES).
 - * NOTE ROAD CLOSURES FOR THIS WORK MAY NOT BE IMPLEMENTED CONCURRENTLY WITH THE ROAD CLOSURES FOR -Y- AND RAIL BRIDGE WORK OVER -LALT-, AS NOTED IN LOCAL NOTE LN-02, OR DURING THE CLOSURE OF RAMPS -R1-, -R2-, -R3, OR -R5-.
- LN-02) WHEN REMOVING EXISTING BRIDGES AND HANGING PROPOSED GIRDERS ON -Y-(PETTIGREW STREET) BRIDGE, NORFOLK SOUTHERN RAILROAD BRIDGE, AND CSX RAILROAD BRIDGE, CLOSE -LALT- (NC 55) AT NIGHT USING RSD 1101.03, SHEET 1 OF 9. USE LAW ENFORCEMENT AND/OR DETOUR SIGNING, AS DIRECTED BY THE ENGINEER TO MAINTAIN NC 55 TRAFFIC ALONG THE DETOUR ROUTES. (SEE SHEET TMP-2D FOR DETOUR ROUTE)
 - * NOTE ROAD CLOSURES FOR THIS WORK MAY NOT BE IMPLEMENTED CONCURRENTLY WITH THE ROAD CLOSURES FOR -LALT- BRIDGE WORK OVER -YA-, AS NOTED IN LOCAL NOTE LN-01.
- LN-03) COORDINATE WITH DURHAM RESCUE MISSION FOR ALL WORK ON NC 55 (ALSTON AVENUE), MAIN STREET, AND MORNING GLORY AVENEUE. DURING THE TIME OF COMMUNITY EVENTS ORGANIZED AND CONDUCTED BY THE MISSION, DO NOT CLOSE ROADS OR TRAVEL LANES ADJACENT TO DURHAM RESCUE MISSION IN A MANNER THAT WOULD DISRUPT THE SETUP AND OPERATIONS OF EACH EVENT.
 - * YEARLY COMMUNITY EVENTS CONDUCTED BY THE MISSION INCLUDE:
 - BACK TO SCHOOL (AUGUST)
 - EASTER
 - THANKSGIVING
 - CHRISTMAS
- WORK ADJACENT TO EASTWAY ELEMENTARY SCHOOL ON -Y15 (TAYLOR STREET) AND -Y17- (HOPKINS STREET) SHALL BE CONDUCTED WHILE THE SCHOOL IS NOT IN SESSION SO AS TO NOT DISRUPT DAILY SCHOOL ACTIVITIES. REFER TO THE DURHAM PUBLIC SCHOOL CALENDAR FOR YEARLY SCHEDULES. PROVIDE ADVANCE NOTIFICATION TO THE SCHOOL OF ALL ROAD CLOSURES.
- PROVIDE INGRESS AND EGRESS TO LOS PRIMOS SUPERMARKET VIA -Y6-(MORNING GLORY AVENUE) TO NC 55 (ALSTON AVENUE) AT ALL TIMES FOR DELIVERY TRUCK ACCESS. PROVIDE TEMPORARY ACCESS BY USE OF ABC OR ASPHALT BASE COURSE. COORDINATE WITH LOS PRIMOS TO ALLOW DELIVERY TRUCKS THROUGH THE WORK AREA FOR ACCESS TO/FROM THE SUPERMARKET.
- PROVIDE INGRESS AND EGRESS TO SAV-A-LOT GROCERY STORE VIA -Y16-(HOPKINS STREET) TO NC 55 (ALSTON AVENUE) AT ALL TIMES FOR DELIVERY TRUCK ACCESS. PROVIDE TEMPORARY ACCESS BY USE OF ABC OR ASPHALT BASE COURSE. COORDINATE WITH SAV-A-LOT TO ALLOW DELIVERY TRUCKS THROUGH THE WORK AREA FOR ACCESS TO/FROM THE GROCERY STORE.



PROJECT NOTES

NOTES FOR TEMPORARY SHORING No. 1

FOR TEMPORARY SHORING, AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROJECT SPECIAL 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 -LALT- $15+25\pm$, 7.5 FT LEFT TO STATION -LALT- $15+57\pm$, 7.5 FT LEFT FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

```
UNIT WEIGHT (\gamma) = 120 LB/CF
FRICTION ANGLE (\phi) = 24 DEGREES (RESIDUAL SOIL)
FRICTION ANGLE (\phi) = 30 DEGREES (EMBANKMENT SOIL)
FRICTION ANGLE (\phi) = 36 DEGREES (WEATHERED ROCK)
COHESION (c) = 0 LB/SF
GROUNDWATER ELEVATION = 376.5 FT ±
```

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -LALT- 15+25 ±, 7.5 FT LEFT TO STATION -LALT- 15+57 ±, 7.5 FT LEFT MAY NOT PENETRATE BELOW ELEVATION 365.8 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -LALT- 15+25 ±, 7.5 FT LEFT, TO STATION -LALT- 15+57 ±, 7.5 FT LEFT.

TEMPORARY SHORING FROM STATION -LALT- 15+25 ±, 7.5 FT LEFT, TO STATION -LALT- 15+57 ±, 7.5 FT LEFT, WILL BE REQUIRED TO REMAIN IN PLACE AND CUT OFF BELOW THE PAVEMENT STRUCTURE. USE PRECAST CONCRETE OR STEEL PLATE LAGGING FOR TEMPORARY SHORING.

NOTES FOR TEMPORARY SHORING No. 3

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROJECT SPECIAL 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 -LALT- $59+80 \pm$, 6.0-9.0 FT LEFT, TO STATION -LALT- $61+75 \pm$, 6.0-9.0 FT LEFT FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

```
UNIT WEIGHT (\gamma) = 120 LB/CF

FRICTION ANGLE (\phi) = 24 DEGREES (RESIDUAL SOIL)

FRICTION ANGLE (\phi) = 30 DEGREES (EMBANKMENT SOIL)

FRICTION ANGLE (\phi) = 36 DEGREES (WEATHERED ROCK)

COHESION (c) = 0 LB/SF

GROUNDWATER ELEVATION = 348.0 FT ±
```

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -LALT- 59+80 ±, 6.0-9.0 FT LEFT, TO STATION -LALT- 61+75 ±, 6.0-9.0 FT LEFT, MAY NOT PENETRATE BELOW ELEVATION 347.5 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING STATION -LALT- $59+80\pm$, 6.0-9.0 FT LEFT, TO STATION -LALT- $61+75\pm$, 6.0-9.0 FT LEFT.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH SEALED DOCUMENTS FROM THE GEOTECHNICAL ENGINEERING UNIT.

THE FIRST DOCUMENT WAS SUBMITTED TO THE WZTC SECTION ON 07/11/2014

AND SEALED BY A PROFESSIONAL ENGINEER, JINYOUNG PARK, LICENSE # 032171.

THE SECOND DOCUMENT WAS SUBMITTED TO THE WZTC SECTION ON 10/08/2014

AND SEALED BY A PROFESSIONAL ENGINEER, THEIN ZAN, LICENSE # 30943.

PROJ. REFERENCE NO. SHEET NO. U-3308 TMP-2B

NOTES FOR TEMPORARY SHORING No. 2

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROJECT SPECIAL 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 -LALT- $17+36 \pm 7.5$ FT LEFT TO STATION -LALT- $17+70 \pm 7.5$ FT LEFT FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

```
UNIT WEIGHT (\gamma) = 120 LB/CF

FRICTION ANGLE (\phi) = 24 DEGREES (RESIDUAL SOIL)

FRICTION ANGLE (\phi) = 30 DEGREES (EMBANKMENT SOIL)

FRICTION ANGLE (\phi) = 36 DEGREES (WEATHERED ROCK)

COHESION (c) = 0 LB/SF

GROUNDWATER ELEVATION = 376.5 FT ±
```

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -LALT- 17+36 ±, 7.5 FT LEFT, TO STATION -LALT- 17+70 ±, 7.5 FT LEFT, MAY NOT PENETRATE BELOW ELEVATION 365.8 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -LALT- 17+36 ±, 7.5 FT LEFT, TO STATION -LALT- 17+70 ±, 7.5 FT LEFT.

TEMPORARY SHORING FROM STATION -LALT- 17+36 ±, 7.5 FT LEFT, TO STATION -LALT- 17+70 ±, 7.5 FT LEFT, WILL BE REQUIRED TO REMAIN IN PLACE AND CUT OFF BELOW THE PAVEMENT STRUCTURE. USE PRECAST CONCRETE OR STEEL PLATE LAGGING FOR TEMPORARY SHORING.

NOTES FOR TEMPORARY SHORING No. 4

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

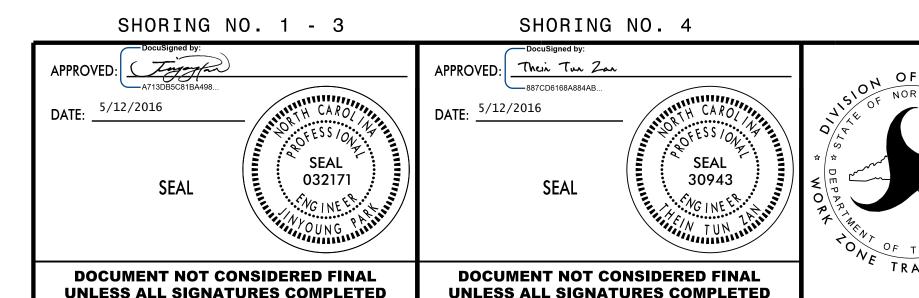
BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -LALT- $36+30 \pm 7.9$ FT RIGHT TO STATION -LALT- $38+25 \pm 6.6$ FT RIGHT FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

```
UNIT WEIGHT (\gamma) = 120 LB/CF
FRICTION ANGLE (\phi) = 24 DEGREES (RESIDUAL SOIL)
FRICTION ANGLE (\phi) = 30 DEGREES (EMBANKMENT SOIL)
FRICTION ANGLE (\phi) = 36 DEGREES (WEATHERED ROCK)
COHESION (c) = 0 LB/SF
GROUNDWATER ELEVATION = 349.0 FT ±
```

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -LALT- 36+30 ±, 7.9 FT RIGHT, TO STATION -LALT- 38+25 ±, 6.6 FT RIGHT, MAY NOT PENETRATE BELOW ELEVATION 356.0 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -LALT- 36+30 ±, 7.9 FT RIGHT, TO STATION -LALT- 38+25 ±, 6.6 FT RIGHT.

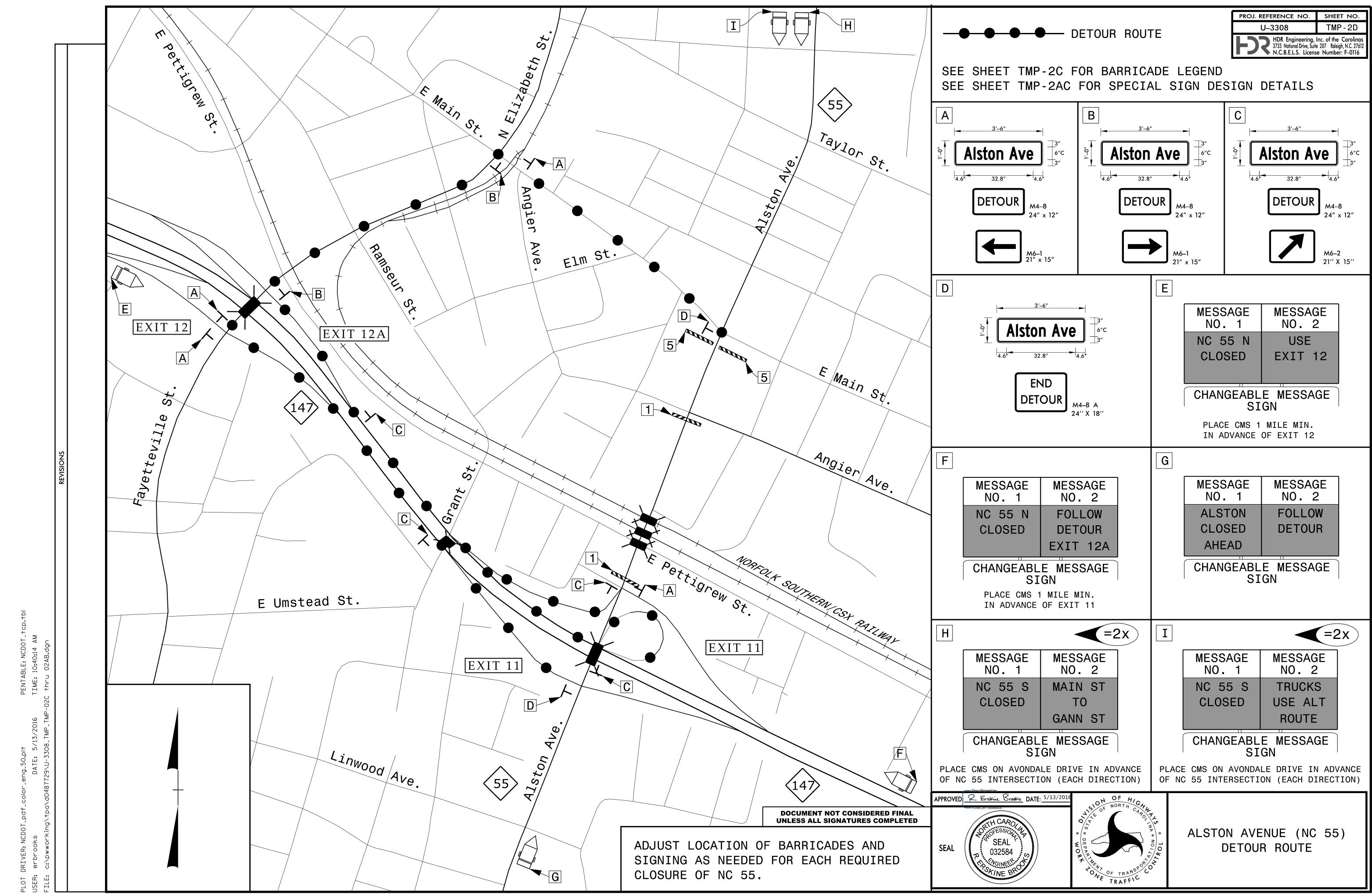


PROJ. REFERENCE NO. SHEET NO. TMP-2C HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 2761, N.C.B.E.L.S. License Number: F–0116

2 3 R11-2 48" x 30" R11-2 48" x 30" 48" x 30" ROAD **ROAD** CLOSED TYPE III BARRICADE TYPE III BARRICADE(S) TYPE III BARRICADE R11-2 R11-4 R11-4 R11-2 48" x 30" 48" x 30" 60" x 30" 60" x 30" TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE 10 8 R9-11a 24" X 12" 24" X 12" 24" X 12" 24" X 12" TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE TYPE III BARRICADE 15 16 12 R11-4 60" x 30" ROAD CLOSED **SIDEWALK** SIDEWALK CLOSED SIDEWALK CLOSED AHEAD AHEAD THRU TRAFFIC **CLOSED** DETOUR — DETQUR R9-11 R9-11 M4-9B 30'' X 24'' M4-9B CROSS HERE CROSS HERE \rightarrow 24" X 12" 24" X 12" 30" X 24" AHEAD TYPE III BARRICADE 36" X 36" P5 P2 P3 P4 P1 **ALSTON AVE** SIDEWALK CLOSED SIDEWALK CLOSED SIDEWALK CLOSED AHEAD **AHEAD** SIDEWALK CLOSED SIDEWALK CLOSED MAIN ST AHEAD **ALSTON AVE** GILBERT ST MAIN ST TO GILBERT ST TO MAIN ST TO GILBERT ST OVER NC 147 **USE ALTERNATE USE ALTERNATE ROUTE** USE PEDESTRIAN USE ALTERNATE USE ALTERNATE ROUTE **BRIDGE ROUTE** ROUTE APPROVED 2. Erskie Brooks DATE: 5/13/20: ROAD CLOSURE BARRICADE, PEDESTRIAN BARRICADE ິSEALີ 032584 SEAL AND SIGNING LEGEND

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

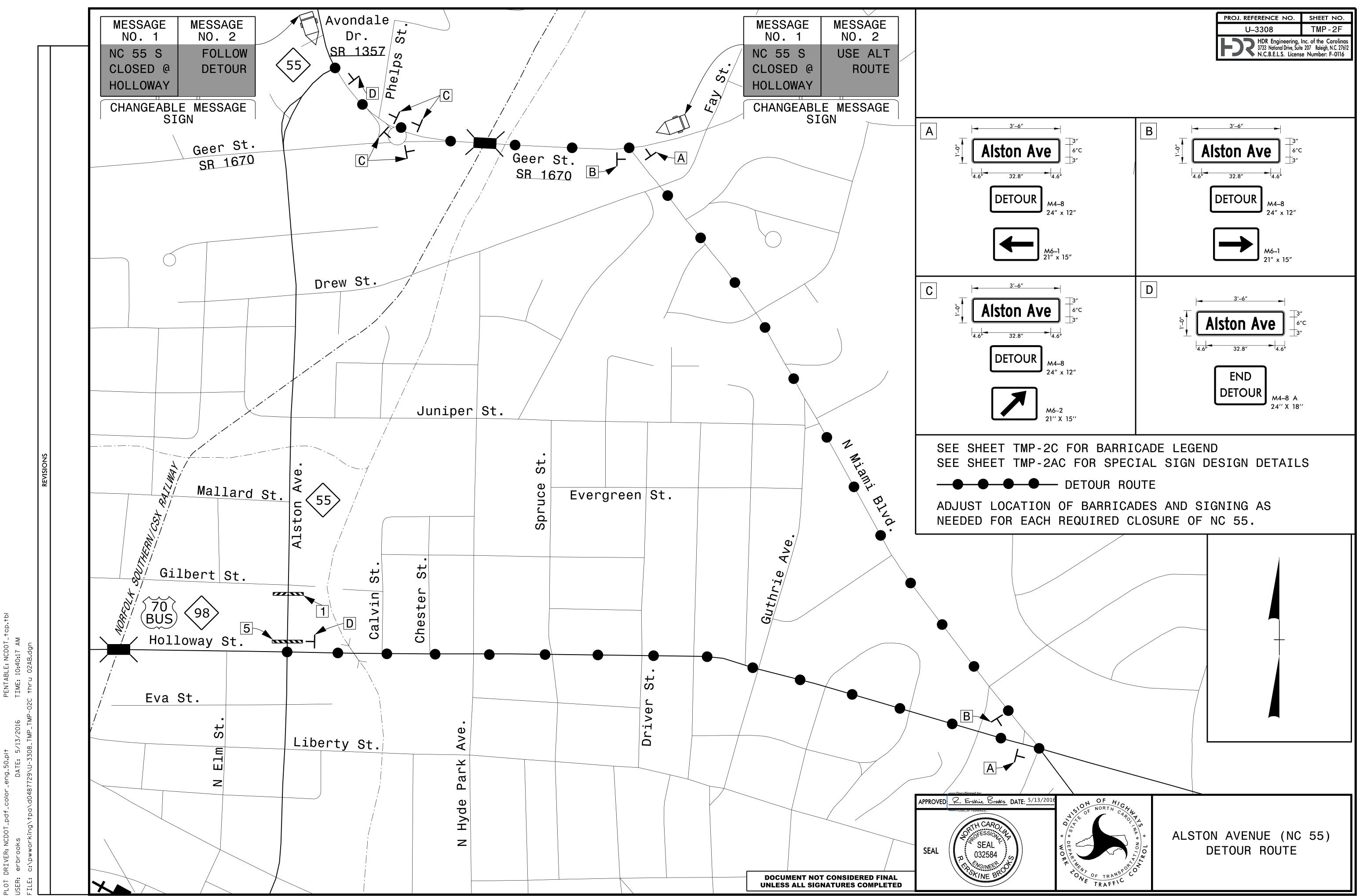
SEE TMP-2AP THRU TMP-2AT FOR FOR SPECIAL SIGN DESIGN DETAILS

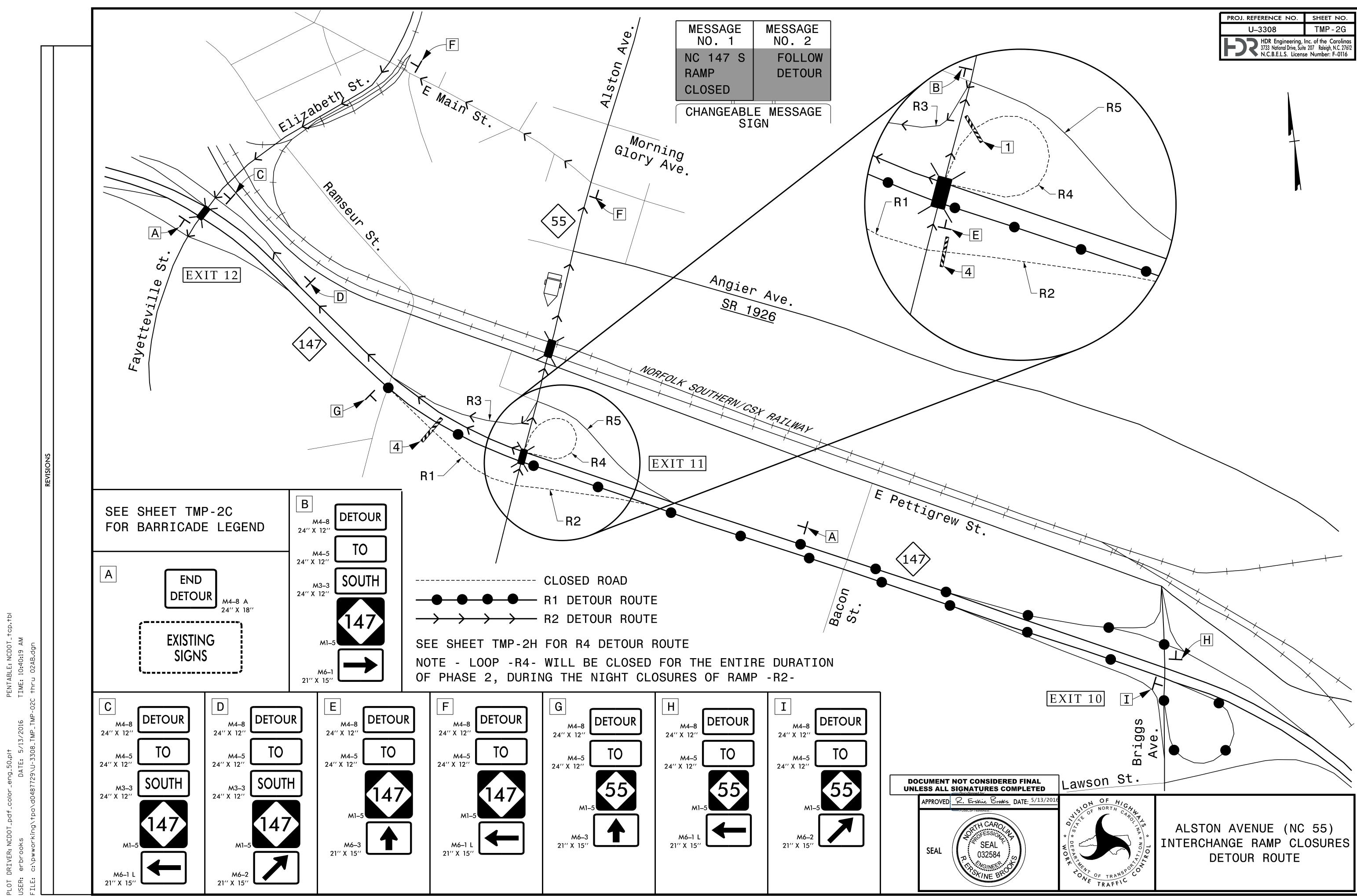


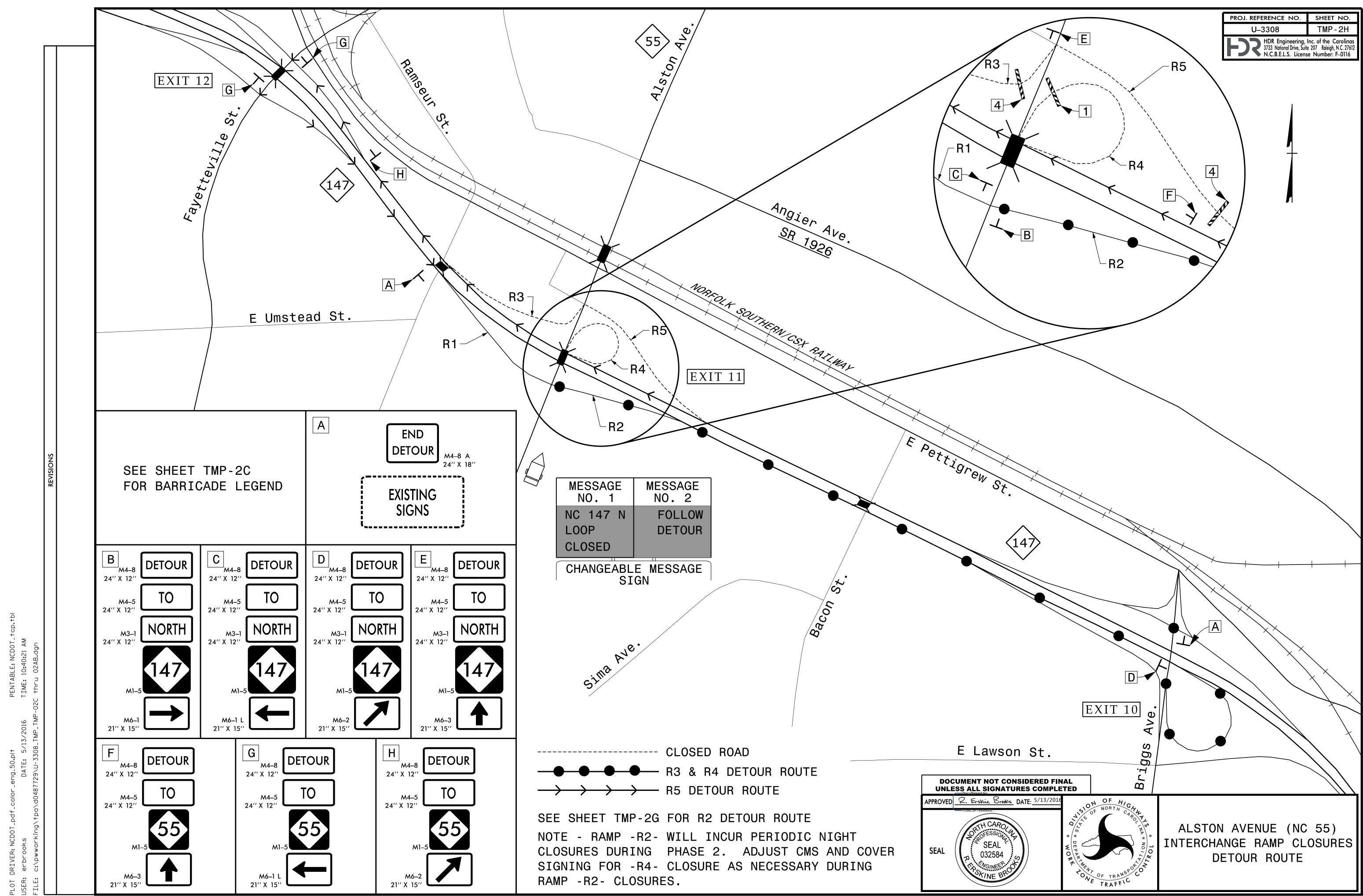
ONE TRAFFIC

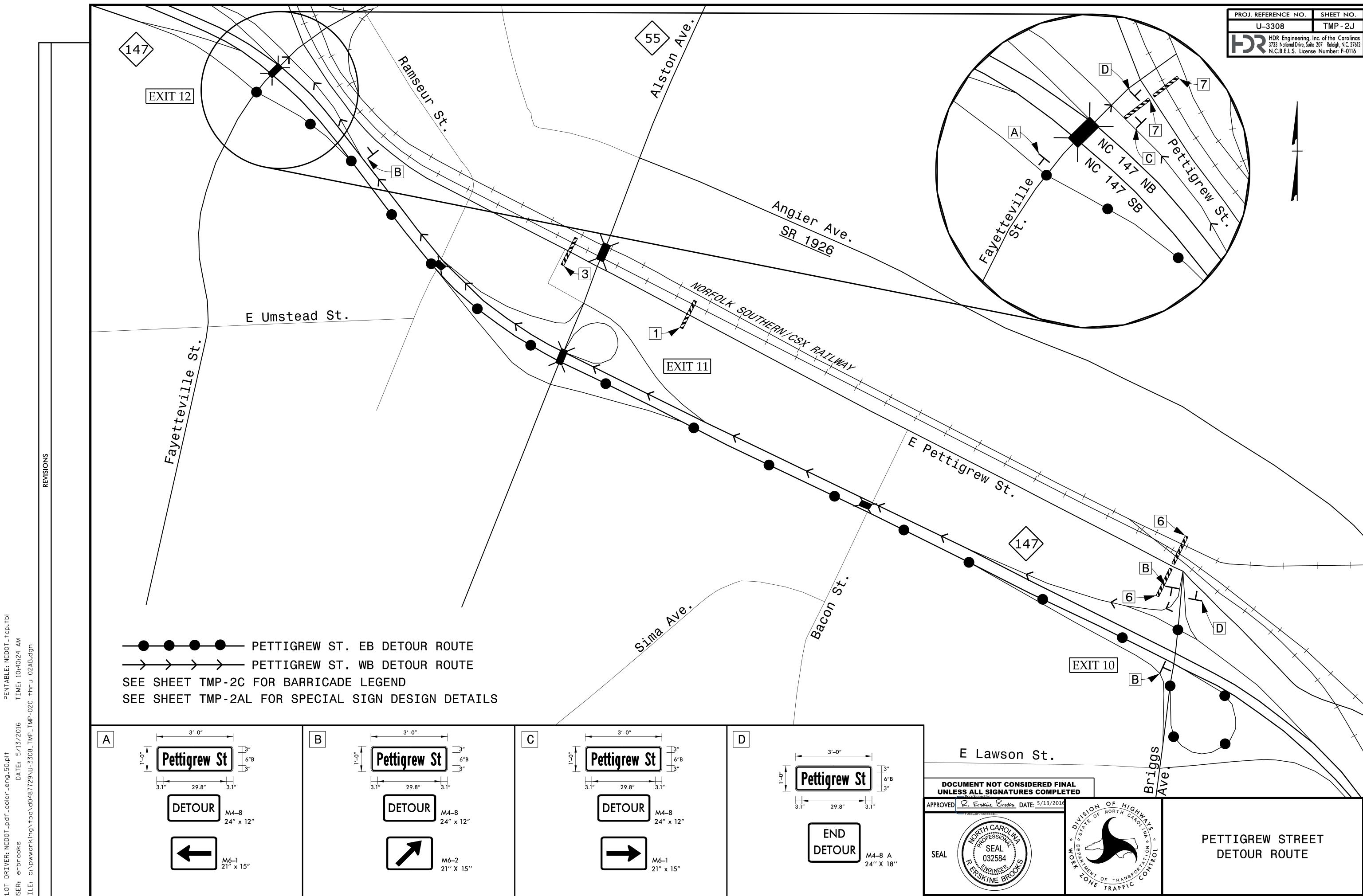
SEAL

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED ALSTON AVENUE (NC 55) DETOUR ROUTE

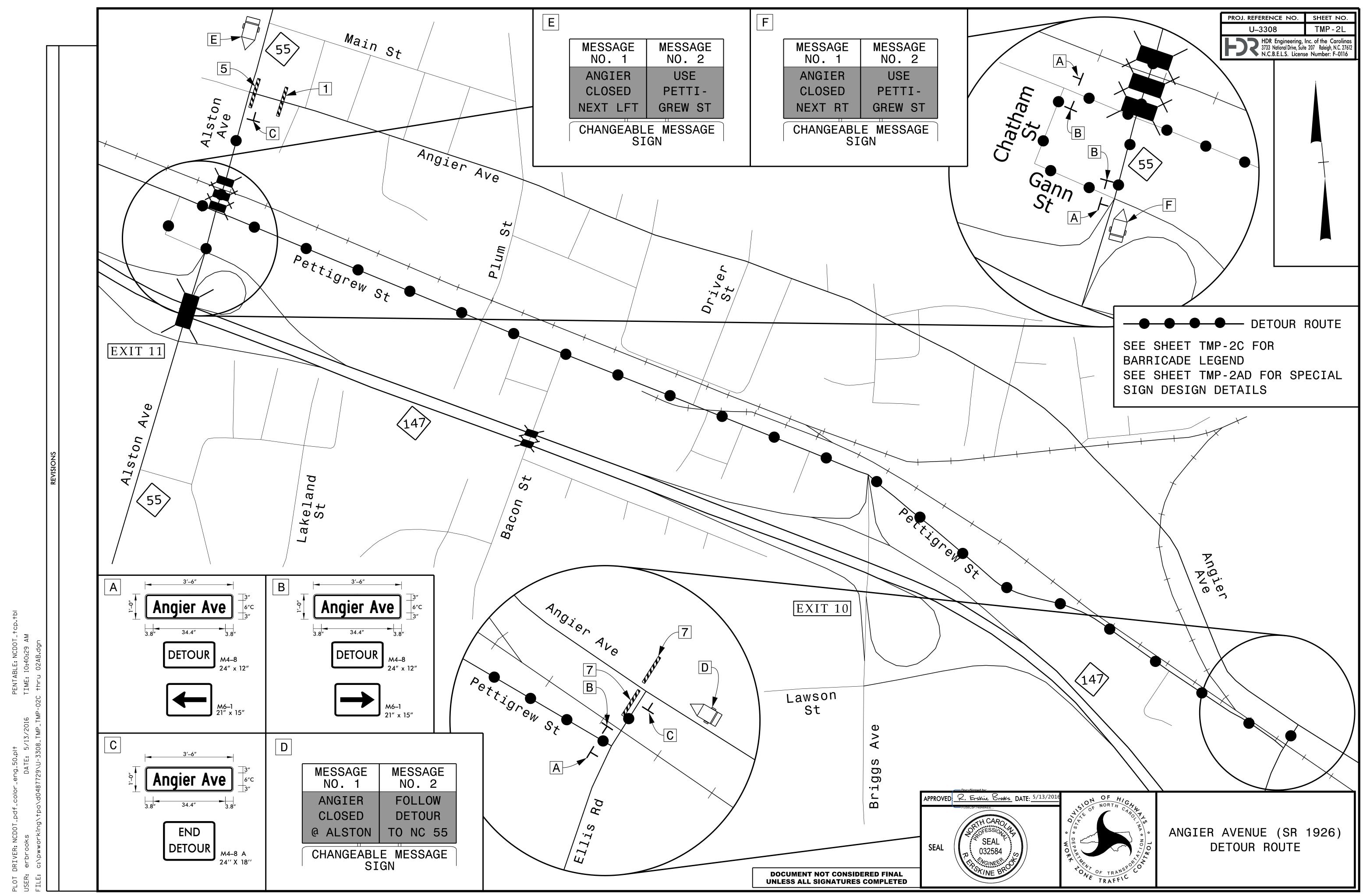


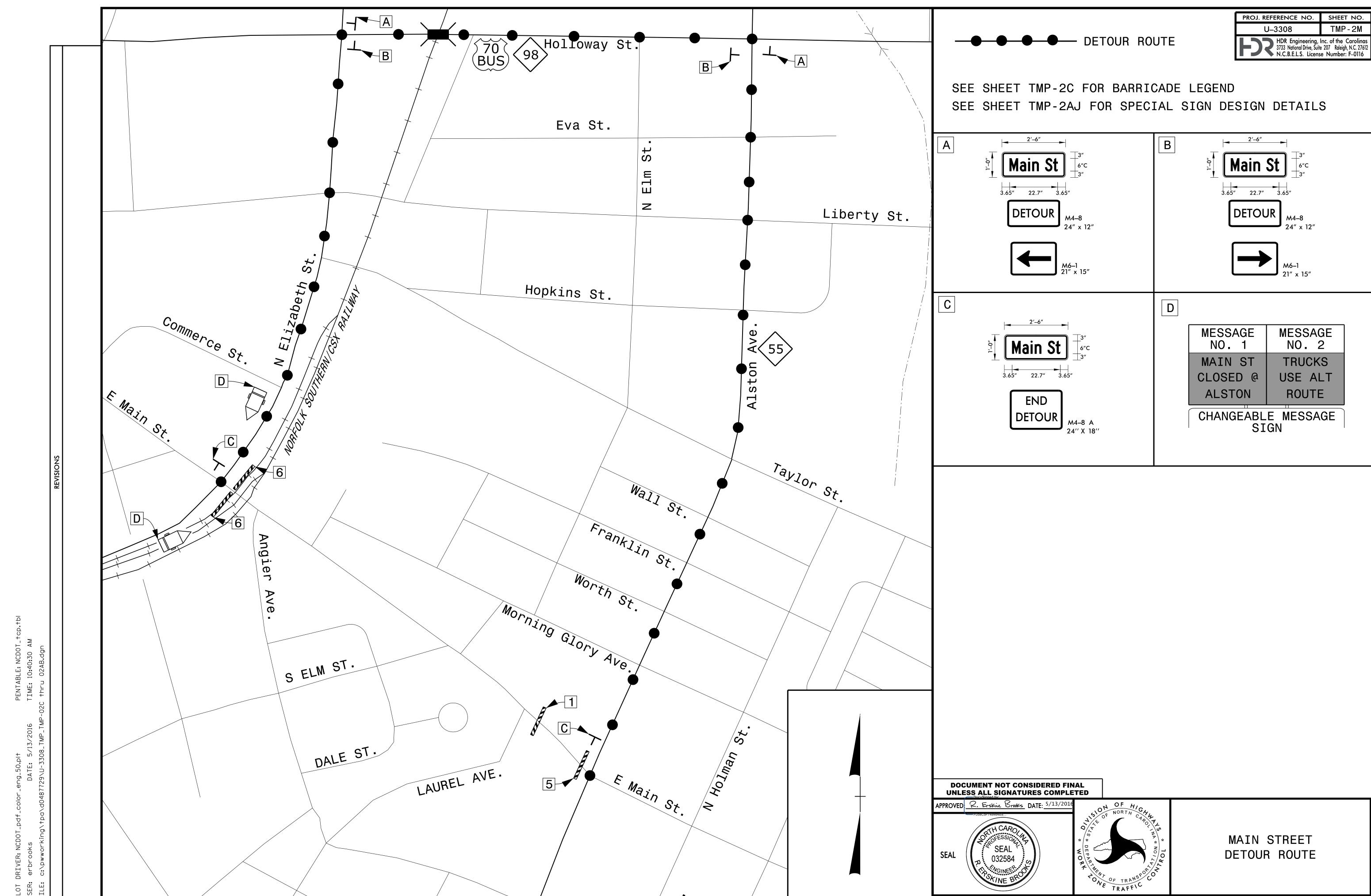




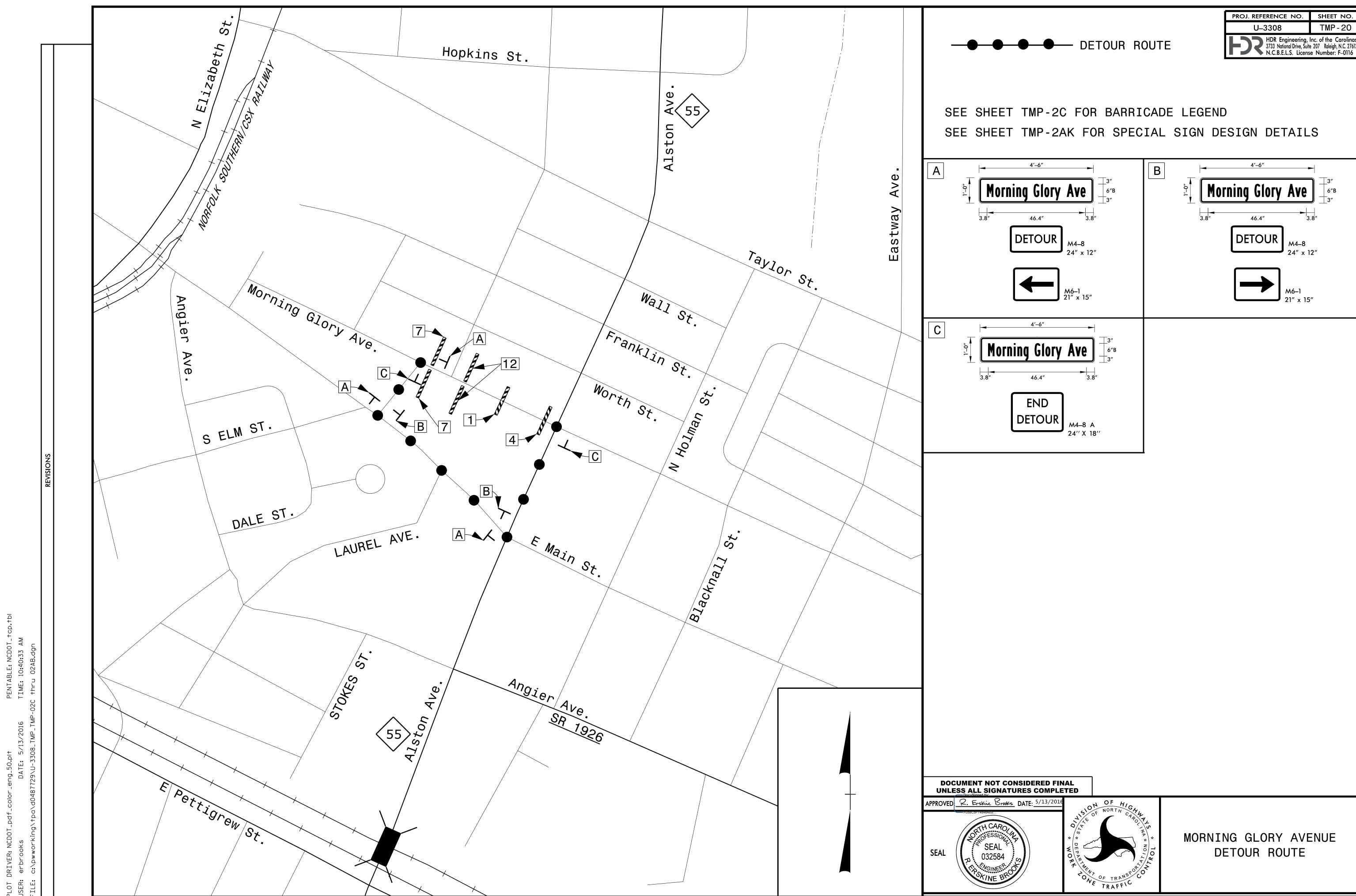


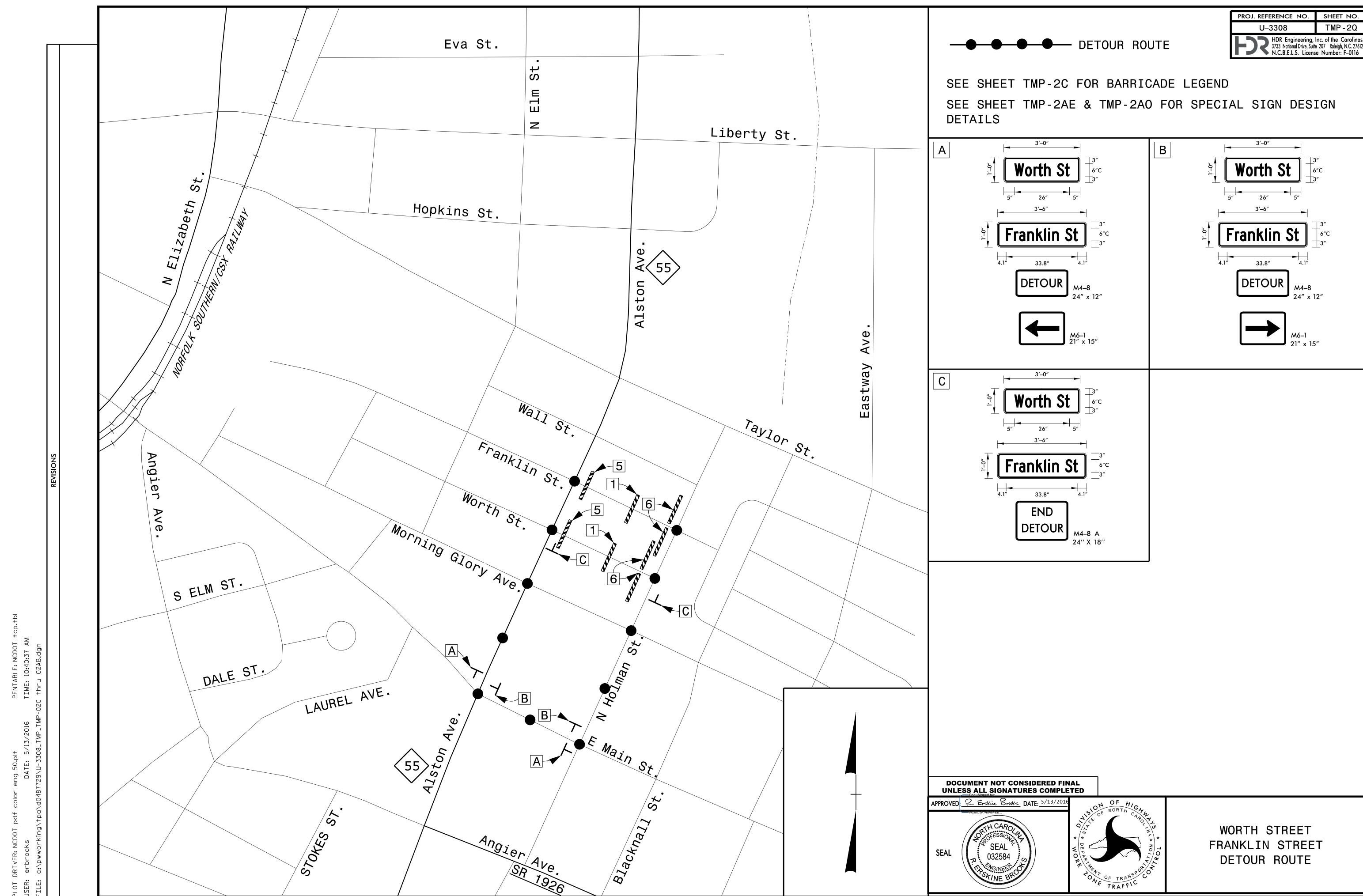
PROJ. REFERENCE NO. SHEET NO. Commerce St. TMP-2K HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116 S В Taylor St. DETOUR | M4-8 | 24" × 12" DETOUR M4-8 24" x 12" Wall St. Franklin St. Angier Worth St. Morning Glory Ave. 25 HOJMAN END DETOUR 6 6 SEE SHEET TMP-2C FOR BARRICADE LEGEND DALE ST. SEE SHEET TMP-2AD FOR SPECIAL SIGN DESIGN DETAILS LAUREL AVE. Ramseur B Blacknall STOKESSY Angier Ave.
SR 1926 5 NORFOLK SOUTHERN CSX PATIMAN 4/6 **(55)** Alston E Pettigrew St. DETOUR ROUTE DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED APPROVED 2. Erskie Brooks DATE: 5/13/20 ANGIER AVENUE DETOUR ROUTE

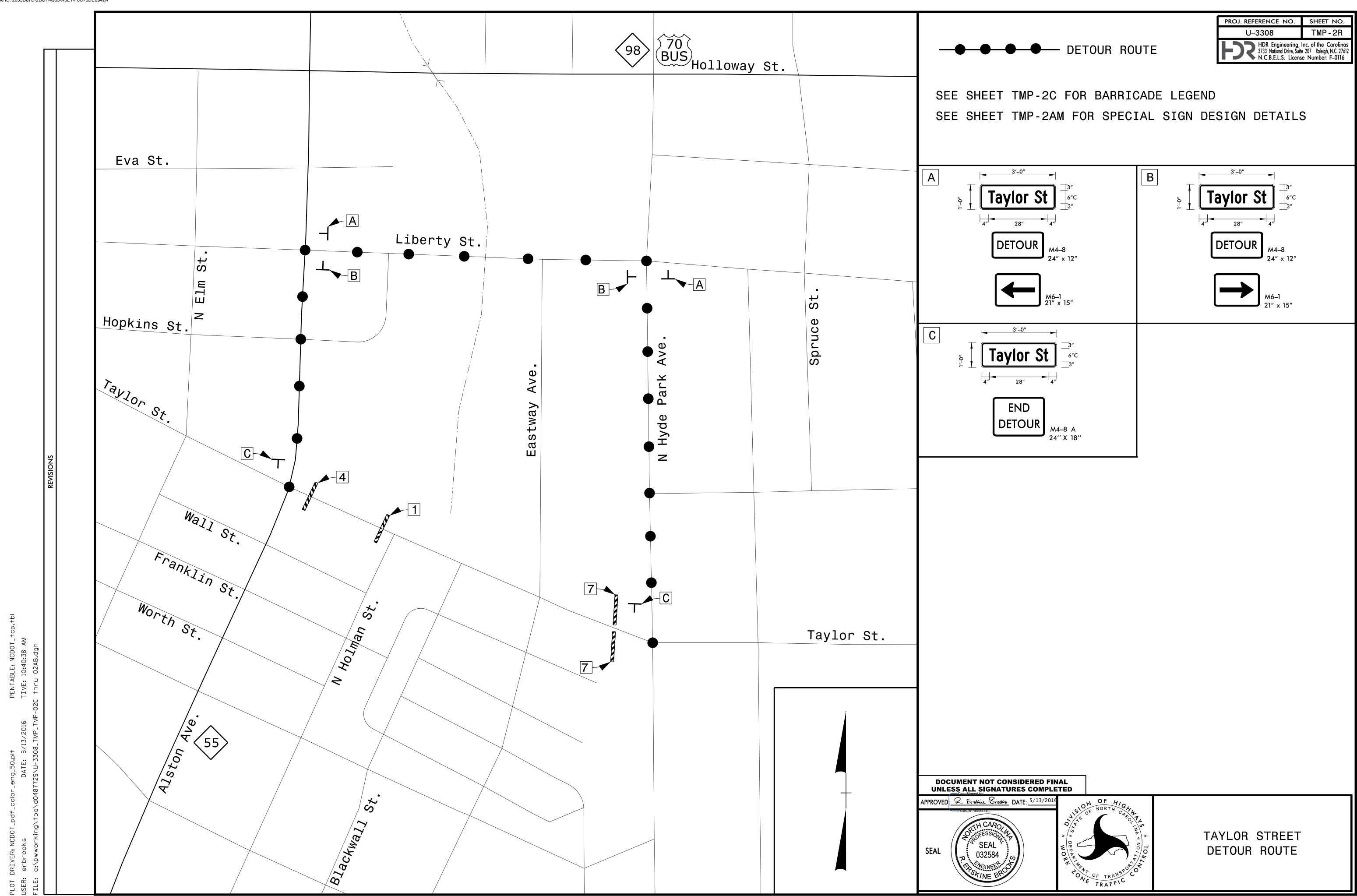


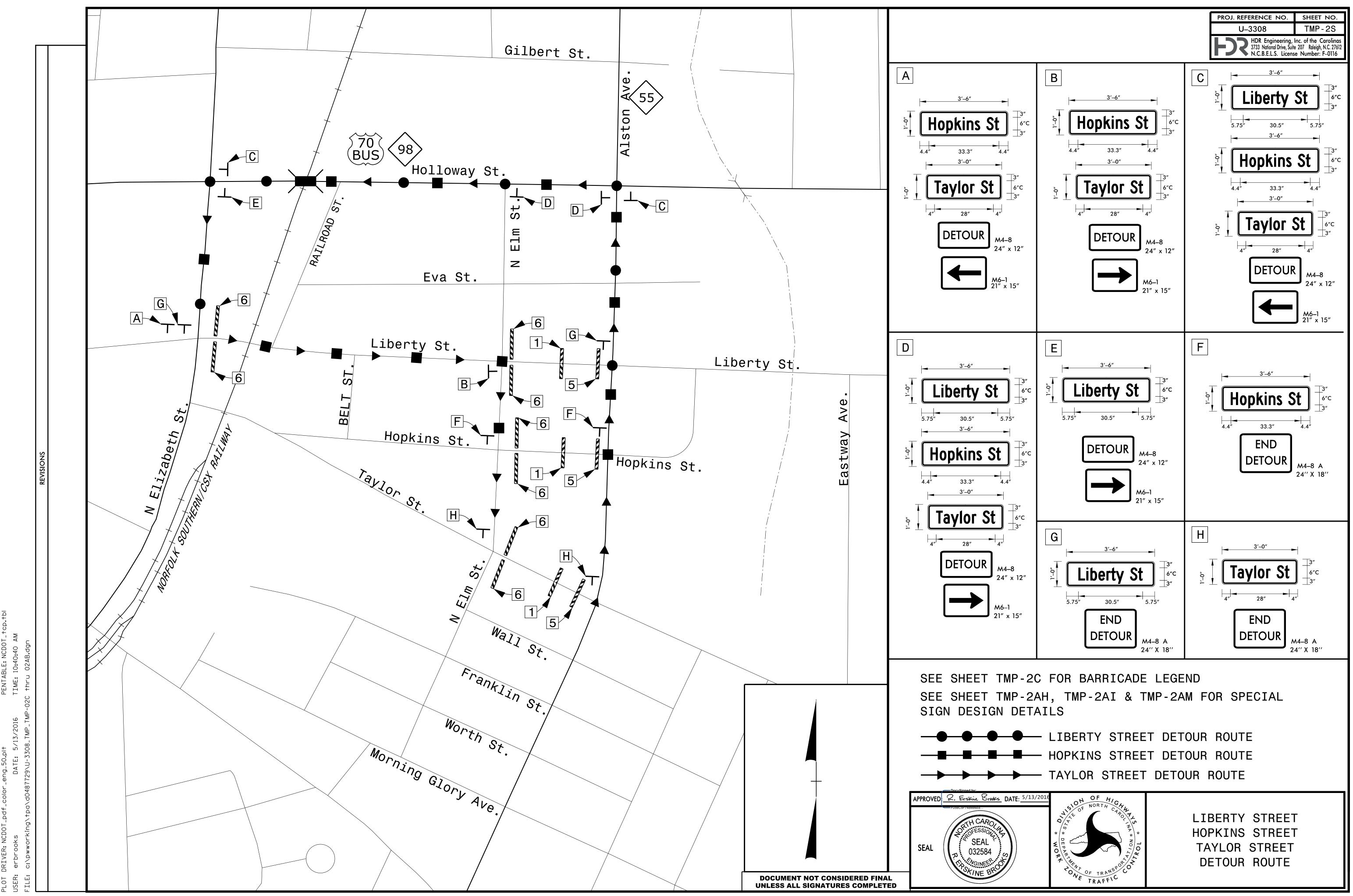


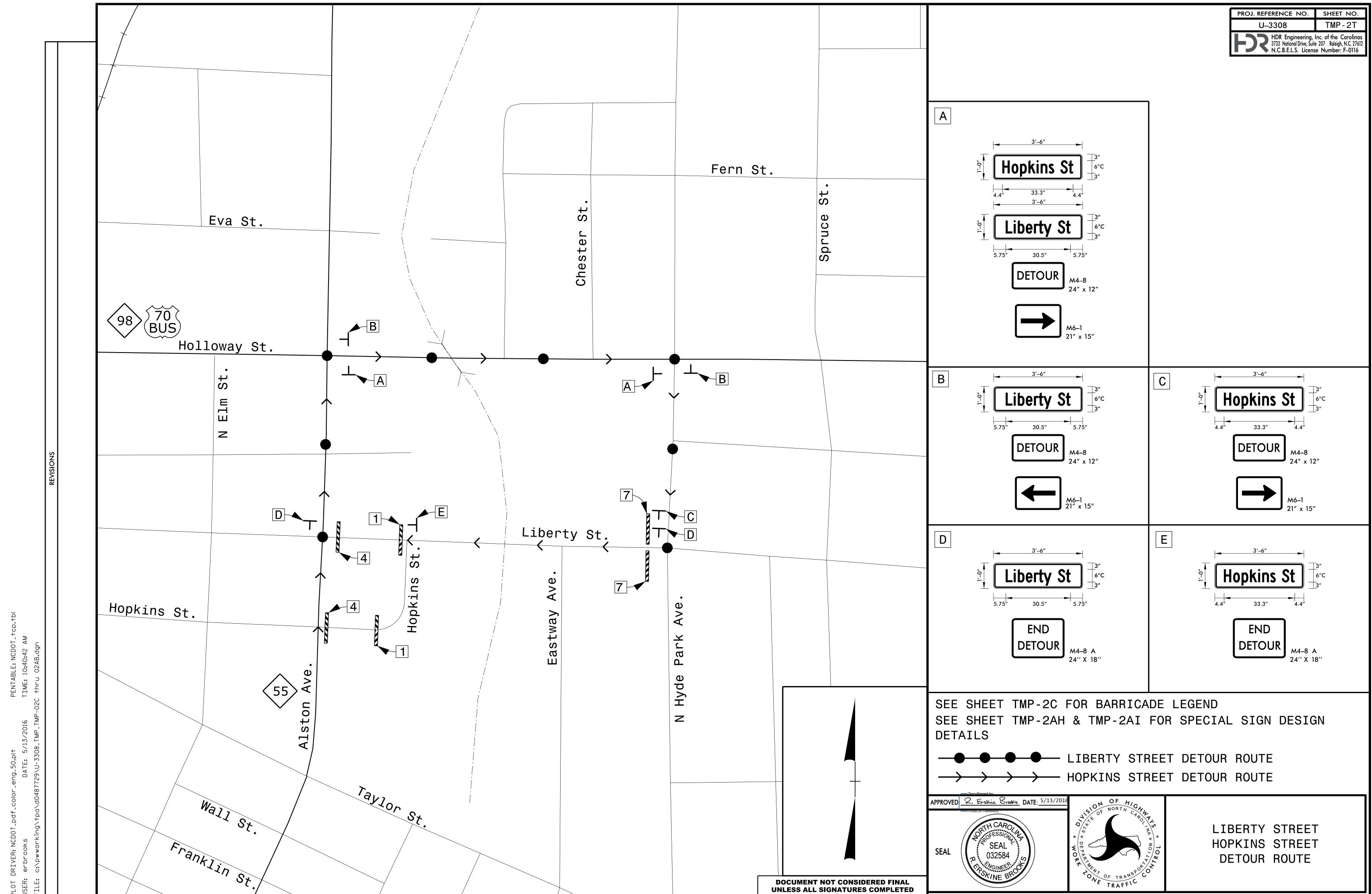
PROJ. REFERENCE NO. TMP-2N DETOUR ROUTE HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116 Taylor St. Franklin St. SEE SHEET TMP-2C FOR BARRICADE LEGEND Angier SEE SHEET TMP-2AJ FOR SPECIAL SIGN DESIGN DETAILS Worth St. В Morning Glory Ave. 3.65" 22.7" 3.65" 3.65" 22.7" 3.65" DETOUR M4-8 24" x 12" DETOUR | M4-8 | 24" x 12" HOIMAN S ELM ST. 2′-6″ DALE ST. LAUREL AVE. 3.65" 22.7" 3.65" END DETOUR STOKES ST. E Main St. B SR 1926 (55) E Pettigrew St. NORFOLK SOUTHERN CSY BATLMAN DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED APPROVED 2. Erskie Brooks DATE: 5/13/20 MAIN STREET DETOUR ROUTE $\langle 147 \rangle$

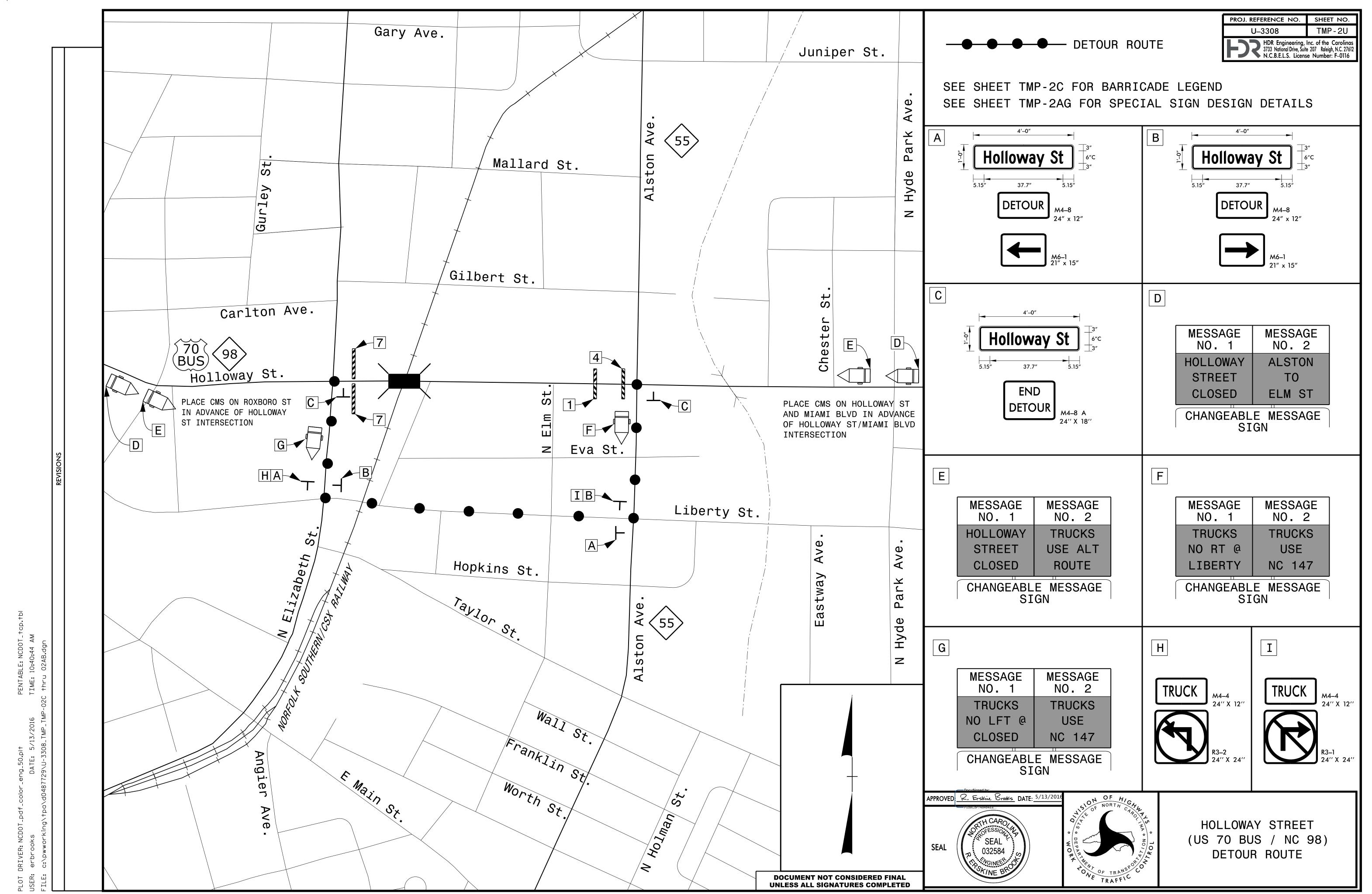












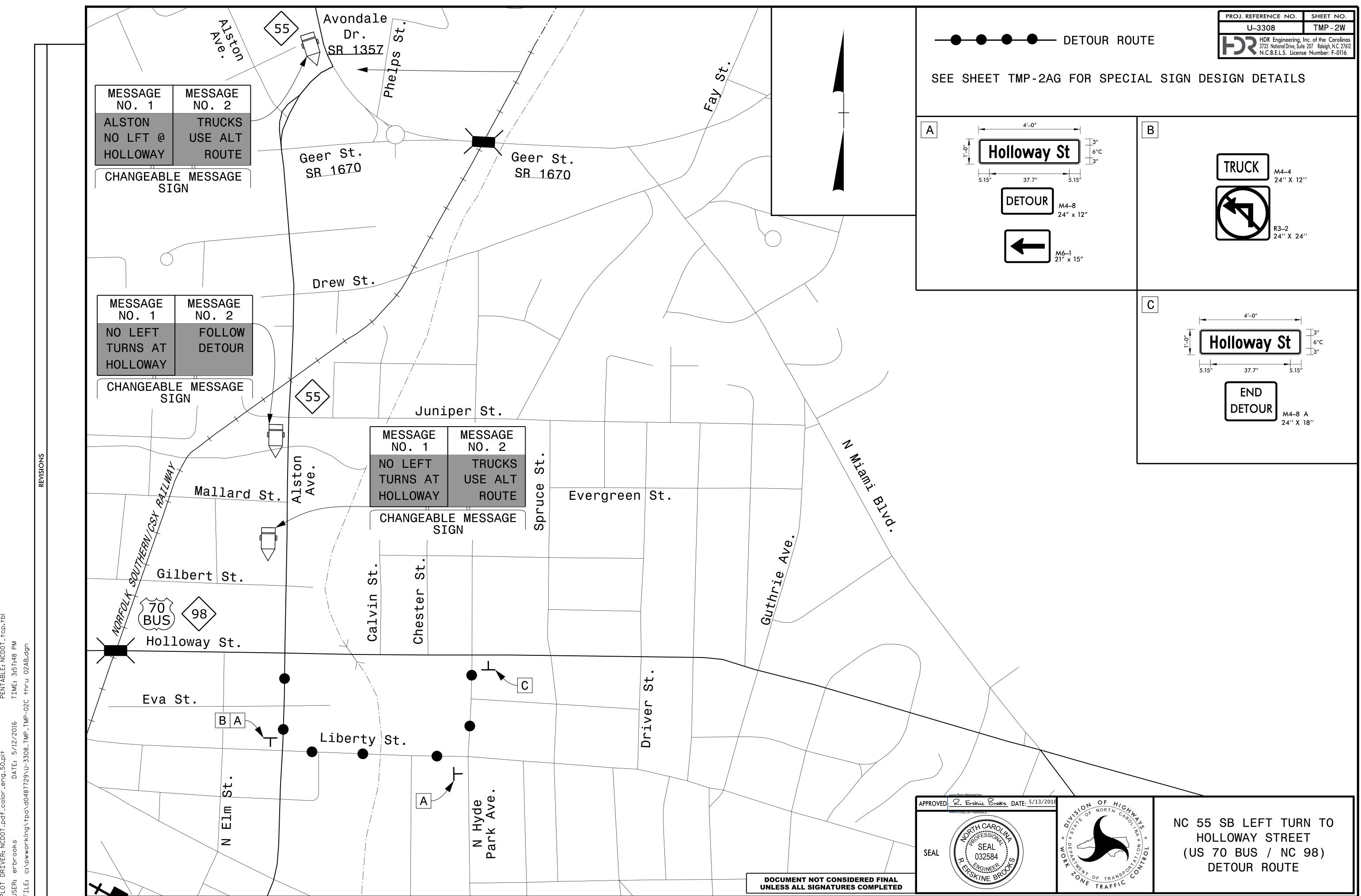
Elm

Z

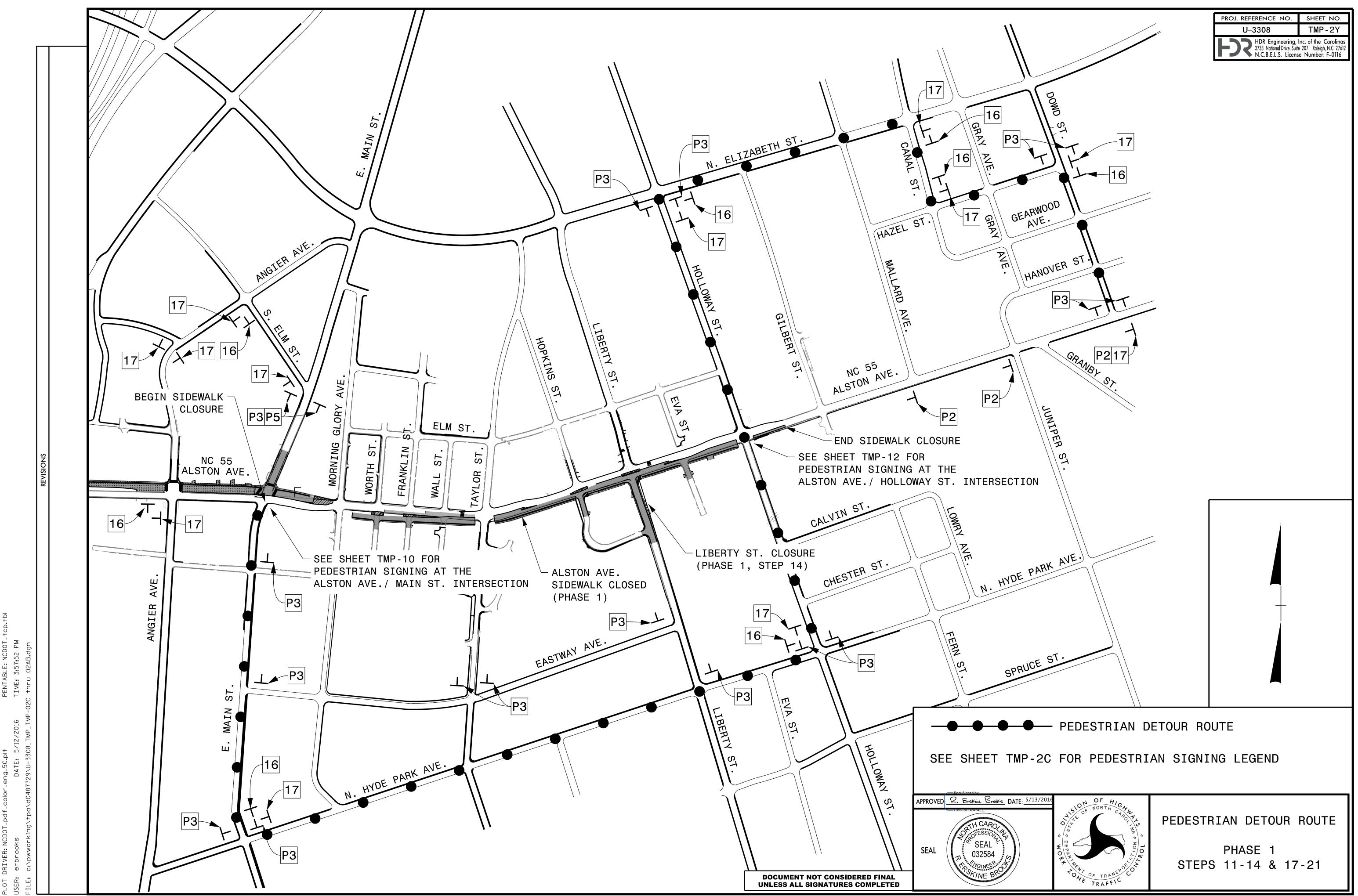
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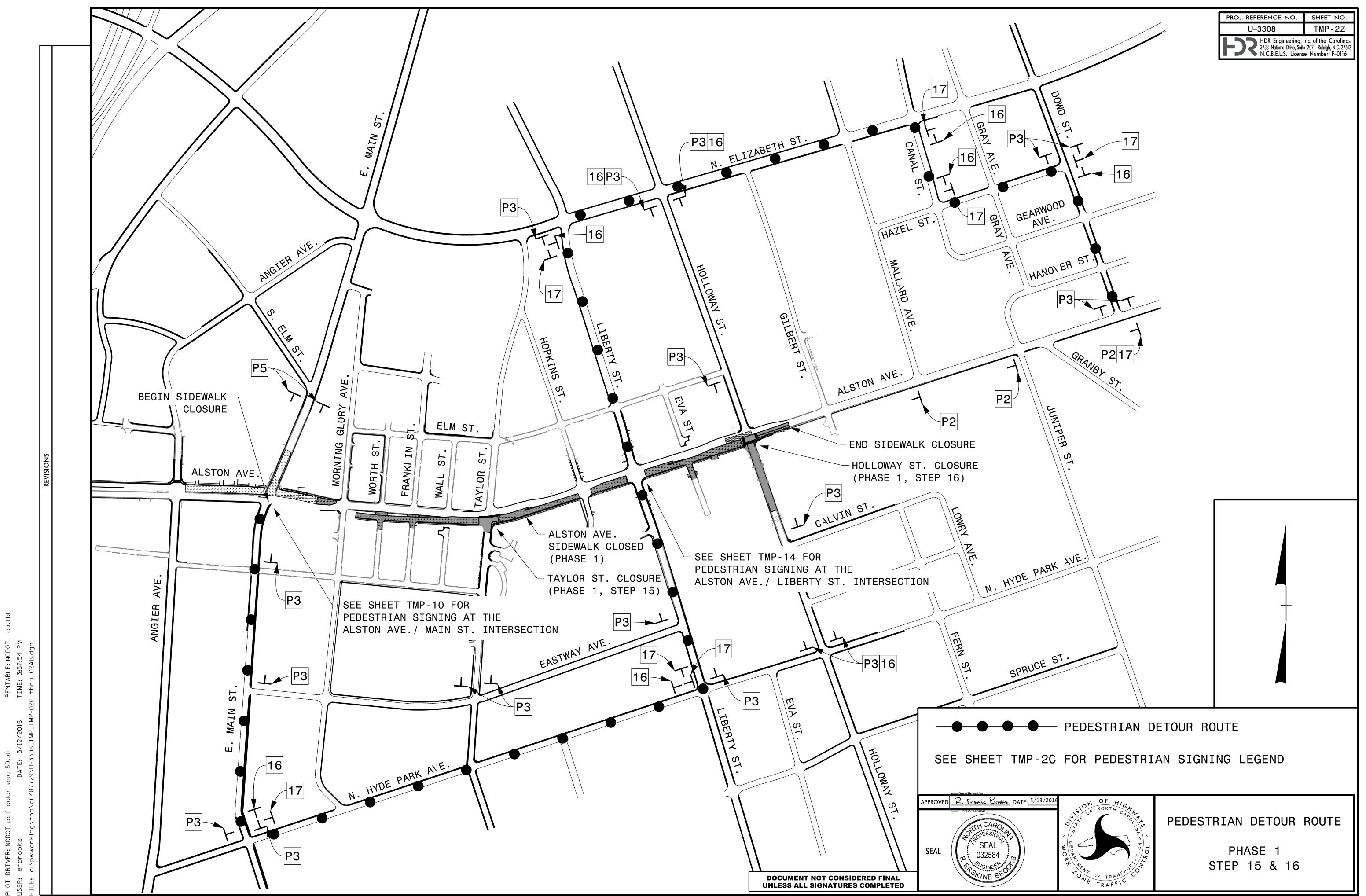
ິSEAL້⁷ 032584 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HOLLOWAY STREET (US 70 BUS / NC 98) DETOUR ROUTE



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED





PROJ. REFERENCE NO. TMP-2AA HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116 16 GEARWOOD . HAZEL ST. HANOVER ST. ALSTON AVE. ELM ST. HOLLOWAY ST. CLOSURE (PHASE 1, STEP 16) ALSTON AVE. CALVIN ST. N. HYDE PARK AVE. SEE SHEET TMP-22 FOR CHESTER ST. PEDESTRIAN SIGNING ON ALSTON AVE. HOLMAN ST. ANGIER ST MAIN 12/ PEDESTRIAN DETOUR ROUTE Ш. SEE SHEET TMP-2C FOR PEDESTRIAN SIGNING LEGEND APPROVED: R. Erskin Brooks DATE: 5/13/201 PEDESTRIAN DETOUR ROUTE PHASE 2 SEAL STEP 9 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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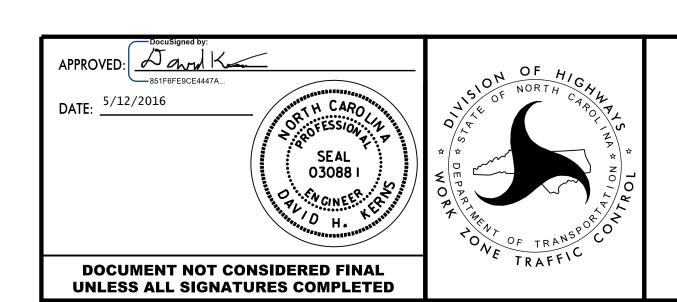
PROJ. REFERENCE NO. TMP-2AB HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116 16 GEARWOOD) 17 GRE HANOVER ST. SEE SHEET TMP-28 FOR PEDESTRIAN SIGNING ON ALSTON AVE./ HOLLOWAY ST. INTERSECTION P5 17 P5 ELM ST. SIDEWALK CLOSED ALSTON AVE. N. HYDE PARK AVE. CHESTER ST. HOLMAN ST. ANGIER ST MAIN PEDESTRIAN DETOUR ROUTE 12/ Ш. HOLLOWAY SEE SHEET TMP-2C FOR PEDESTRIAN SIGNING LEGEND APPROVED R. Erskin Brooks DATE: 5/13/201 PEDESTRIAN DETOUR ROUTE PHASE 3 SEAL STEP 2 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJ. REFERENCE NO. SHEET NO.

U-3308 TMP - 2AC

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: SP-1 BACKG COLOR: Orange CHECKED BY: DHK DESIGN BY: LLT COPY COLOR: Black PROJECT ID: U-3308 DIV: 4 DATE: Jun 07, 2013 TYPE: D QUANTITY: 1 SYMBOL WIDTH HT SIGN WIDTH: 3'-6" HEIGHT: 1'-0" TOTAL AREA: 3.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: USE NOTES: 1,2,3 1. Legend and border shall be direct applied Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting. _3*"* 3. Shields shall be Grade C reflective sheeting on 0.032'' (0.8mm) aluminum and demountable. BORDER 32.8" R=1.5''TH=0.38" IN=0.38" Series/Size Text Length Letter spacings are to start of next letter C 2000 4.6 | 4.6 | 1.6 | 2.8 | 2.6 | 4 | 3.1 | 3 | 4.1 | 4 | 3.1 | 4.6 32.8



SPECIAL SIGN DESIGN

wworkingitpaiau48*112*9iu-3308_1mr_1mr-uzau infu oz :37 PM

PROJ. REFERENCE NO. SHEET NO.

U-3308 TMP - 2AD

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: SP-2 BACKG COLOR: Orange CHECKED BY: DHK DESIGN BY: LLT TYPE: D COPY COLOR: Black DIV: 4 DATE: Jun 07, 2013 PROJECT ID: U-3308 QUANTITY: 1 SYMBOL WIDTH HT SIGN WIDTH: 3'-6" HEIGHT: 1'-0" TOTAL AREA: 3.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: USE NOTES: 1,2,3 1. Legend and border shall be direct applied Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting. _3*"* 3. Shields shall be Grade C reflective sheeting on 0.032'' (0.8mm) aluminum and demountable. BORDER 34.4" R=1.5''TH=0.38" IN=0.38" Series/Size Text Length Letter spacings are to start of next letter A n g i e C 2000 3.8 | 4.6 | 3.9 | 4.1 | 1.7 | 3.8 | 2 | 3 | 4.1 | 4 | 3.1 | 3.8 34.4

DATE:

| Document not considered final unless all signatures completed.

SPECIAL SIGN DESIGN

PROJ. REFERENCE NO.

U-3308

TMP - 2AE

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

CHECKED BY: DHK SIGN NUMBER: SP-5 BACKG COLOR: Orange DESIGN BY: LLT COPY COLOR: Black TYPE: D PROJECT ID: U-3308 DIV: 4 DATE: Jun 07, 2013 QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 3'-6" HEIGHT: 1'-0" TOTAL AREA: 3.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: USE NOTES: 1,2,3 1. Legend and border shall be direct applied 6"C 3" Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting. 3. Shields shall be Grade C reflective sheeting on $0.032^{\prime\prime}$ (0.8mm) aluminum and demountable. **BORDER** 33.8" R=1.5''TH=0.38" IN=0.38"

Letter spacings are to start of next letter											
Franklin St	C 2000										
4.1 3.8 2.3 3.9 4.1 3.8 1.9 1.9 3.1 3 3.8 2.2 4.1	33.8										

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SPECIAL SIGN DESIGN

vworkingitdaiduak*iiz*siu-ssuk-imp-imp-uzau tnfu uza 38 PM

PROJ. REFERENCE NO. SHEET NO. U-3308 TMP-2AF HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116

DATE: Jun 07, 2013

SIGN NUMBER: SP-6 BACKG COLOR: Orange TYPE: D COPY COLOR: Black QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 2'-6" HEIGHT: 1'-0" TOTAL AREA: 2.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" NO. Z BARS:

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LLT

PROJECT ID: U-3308

USE NOTES: 1,2,3

LENGTH:

- 1. Legend and border shall be direct applied
- Grade C reflective sheeting.
- 2. Background shall be Grade C reflective sheeting.
- 3. Shields shall be Grade C reflective sheeting on $0.032^{\prime\prime}$ (0.8mm) aluminum and demountable.

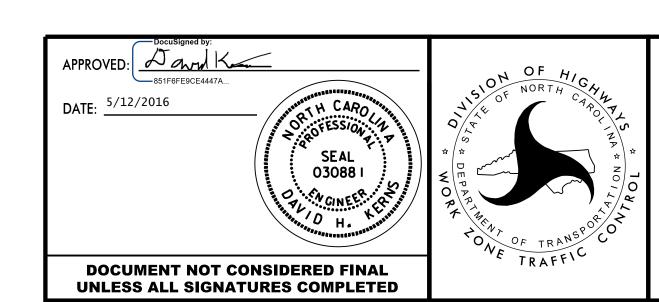
2'-6"

CHECKED BY: DHK

DIV: 4

BORDER 2.95"24.1"2.95" R=1.5''TH=0.38" IN=0.38"

Letter spacings are to start of next letter												Series/Size Text Length						
		G	а	n	n		S	t										C 2000
	2.9	4.1	3.9	4.1	3.1	3	3.8	2.2	2.9									24.1



SPECIAL SIGN DESIGN

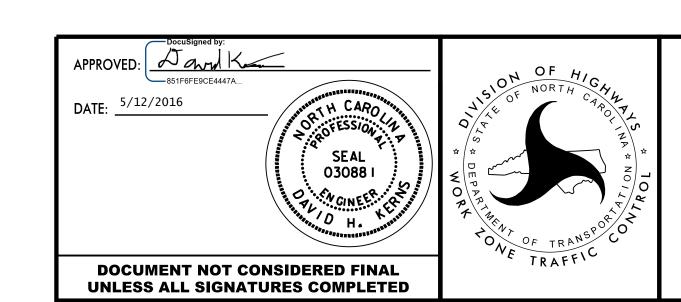
PROJ. REFERENCE NO.

U-3308

TMP - 2AG

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: SP-7 BACKG COLOR: Orange DESIGN BY: LLT CHECKED BY: DHK TYPE: D COPY COLOR: Black PROJECT ID: U-3308 DIV: 4 DATE: Jun 07, 2013 QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 4'-0" HEIGHT: 1'-0" TOTAL AREA: 4.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" 4'-0" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: USE NOTES: 1,2,3 ___6″C ___3″ 1. Legend and border shall be direct applied Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting. 3. Shields shall be Grade C reflective sheeting on 0.032" (0.8mm) aluminum and demountable. BORDER 37.7" R=1.5''TH=0.38" IN=0.38" Series/Size Text Length Letter spacings are to start of next letter S t C 2000 5.2 | 4.4 | 4 | 1.9 | 1.7 | 3.5 | 6 | 3.5 | 3.7 | 3 | 3.8 | 2.2 | 5.2 37.7



SPECIAL SIGN DESIGN

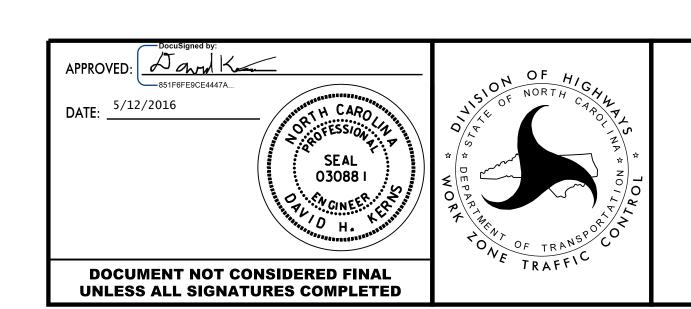
PROJ. REFERENCE NO.

U-3308

TMP - 2AH

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C. B.E.L.S. License Number: F-0116

SIGN NUMBER: SP-8 BACKG COLOR: Orange DESIGN BY: LLT CHECKED BY: DHK TYPE: D COPY COLOR: Black DIV: 4 DATE: Jun 07, 2013 PROJECT ID: U-3308 QUANTITY: 1 SYMBOL WIDTH HT SIGN WIDTH: 3'-6" HEIGHT: 1'-0" TOTAL AREA: 3.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: USE NOTES: 1,2,3 1. Legend and border shall be direct applied 6"C Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting. 3. Shields shall be Grade C reflective sheeting on 0.032'' (0.8mm) aluminum and demountable. **BORDER** 33.3" R=1.5''TH=0.38" IN=0.38" Series/Size Text Length Letter spacings are to start of next letter S t C 2000 4.4 | 4.4 | 4 | 4 | 3.8 | 1.9 | 3.8 | 2.5 | 3 | 3.8 | 2.2 | 4.3 33.3



SPECIAL SIGN DESIGN

40 PM

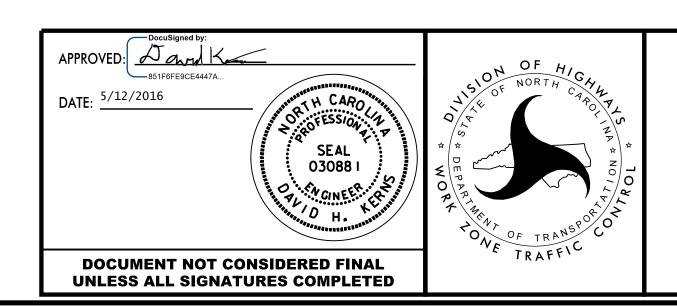
PROJ. REFERENCE NO.

U-3308

TMP - 2AI

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: SP-9 BACKG COLOR: Orange DESIGN BY: LLT CHECKED BY: DHK DATE: Jun 07, 2013 COPY COLOR: Black PROJECT ID: U-3308 DIV: 4 TYPE: D QUANTITY: 1 SYMBOL WIDTH HT SIGN WIDTH: 3'-6" HEIGHT: 1'-0" TOTAL AREA: 3.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: USE NOTES: 1,2,3 1. Legend and border shall be direct applied Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting. 3. Shields shall be Grade C reflective sheeting on 0.032'' (0.8mm) aluminum and demountable. **BORDER** 5.75" 30.5" 5.75" R=1.5" TH=0.38" IN=0.38" Series/Size Text Length Letter spacings are to start of next letter s t L i b e r t C 2000 5.8 3.8 1.9 3.8 3.8 2.2 2.3 3.7 3 3.8 2.2 5.8 30.5



PROJ. REFERENCE NO. SHEET NO.

U-3308 TMP - 2AJ

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: SP-10 BACKG COLOR: Orange TYPE: D COPY COLOR: Black QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 2'-6" HEIGHT: 1'-0" TOTAL AREA: 2.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS:

LENGTH:

USE NOTES: 1,2,3

1. Legend and border shall be direct applied

- Grade C reflective sheeting.
- 2. Background shall be Grade C reflective sheeting.
- 3. Shields shall be Grade C reflective sheeting on 0.032" (0.8mm) aluminum and demountable.

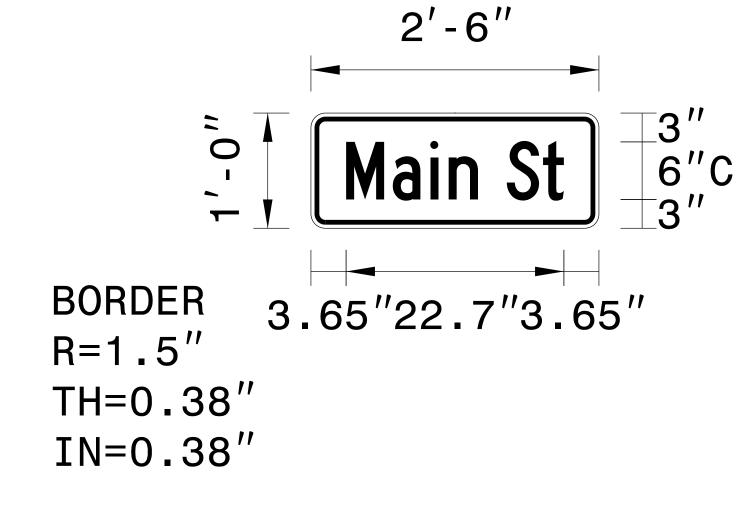
DESIGN BY: LLT

PROJECT ID: U-3308

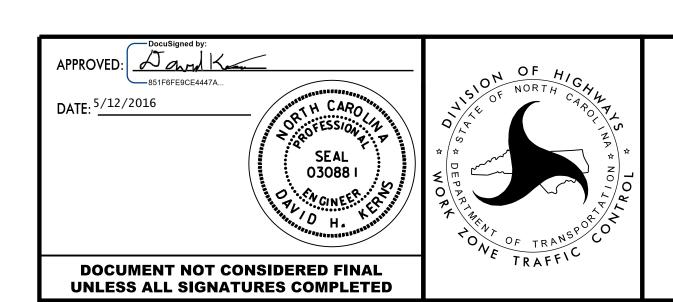
CHECKED BY: DHK

DIV: 4

DATE: Jun 07, 2013



									L	etter sp	acings	are to	start	of nex	t 1	etter			Series/Size Text Length
	М	а	i	n		S	t												C 2000
3.7	4.9	3.9	1.9	3.1	3	3.8	2.2	3.7											22.7



SPECIAL SIGN DESIGN

vworkingitdaiau48//zylu-ssus_imp_imp-uzau thfu uza 4IPM

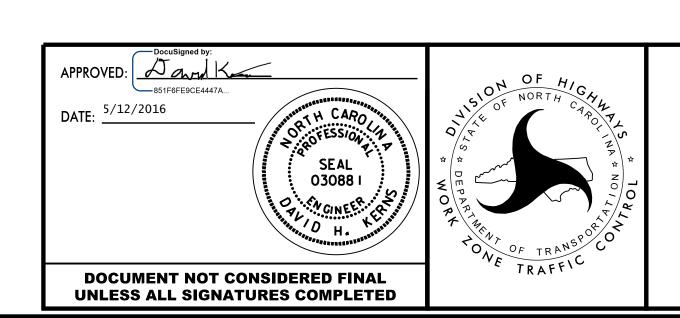
PROJ. REFERENCE NO.

U-3308

TMP - 2AK

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

BACKG COLOR: Orange DESIGN BY: LLT CHECKED BY: DHK SIGN NUMBER: SP-11 COPY COLOR: Black PROJECT ID: U-3308 DIV: 4 DATE: Jun 07, 2013 TYPE: D QUANTITY: 1 SYMBOL WIDTH HT SIGN WIDTH: 4'-6" HEIGHT: 1'-0" TOTAL AREA: 4.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: USE NOTES: 1,2,3 1. Legend and border shall be direct applied 6"B Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting. 3. Shields shall be Grade C reflective sheeting on $0.032^{\prime\prime}$ (0.8mm) aluminum and demountable. **BORDER** 3.8" 46.4" 3.8" R=1.5''TH=0.38''IN=0.38" Series/Size Text Length Letter spacings are to start of next letter G | 1 | o | r | y B 2000 3.8 | 3.9 | 3 | 2.2 | 3.1 | 1.7 | 2.9 | 2.2 | 3 | 3.5 | 1.6 | 3 | 1.8 | 2.8 | 3 | 3.5 | 3 | 2.2 | 3.8 46.4



PROJ. REFERENCE NO. SHEET NO.

U-3308 TMP - 2AL

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: SP-12 BACKG COLOR: Orange TYPE: D COPY COLOR: Black QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 3'-0" HEIGHT: 1'-0" TOTAL AREA: 3.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS:

USE NOTES: 1,2,3

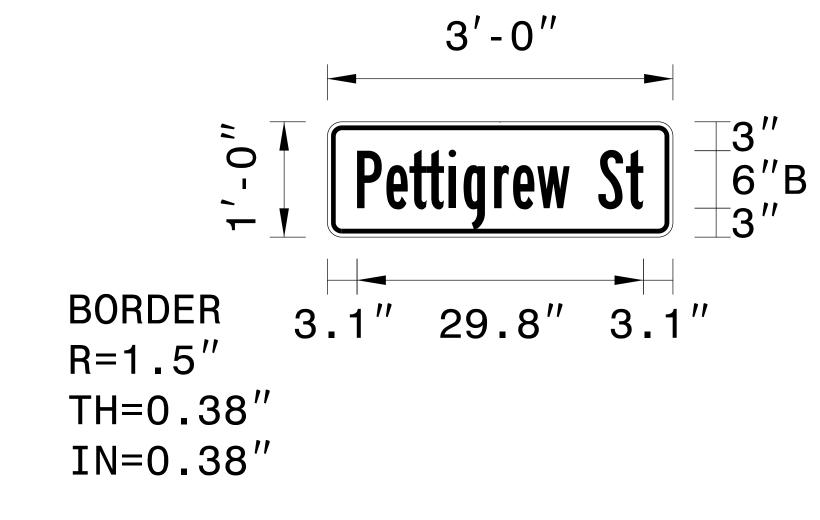
LENGTH:

 Legend and border shall be direct applied Grade C reflective sheeting.

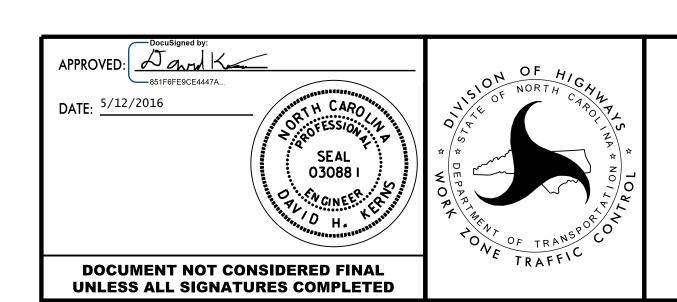
2. Background shall be Grade C reflective sheeting.

3. Shields shall be Grade C reflective sheeting on 0.032" (0.8mm) aluminum and demountable.

DESIGN BY: LLT CHECKED BY: DHK
PROJECT ID: U-3308 DIV: 4 DATE: Jun 07, 2013



											L	ett	er	spacings	are to s	start of	next letter	1		Series/Size Text Length
	Р	е	t		i	g	r	е	W		S	t								B 2000
3.1	3.1	2.4	1.8	2.3	1.6	3.2	2	2.5	3.4	3	2.9	1.8	3.1							29.8



SPECIAL SIGN DESIGN

wworking tida (au 1887) 23 (b. 1887 - 1887 - 1887 - 1887) a. 1887 - 1887

PROJ. REFERENCE NO. SHEET NO. U-3308 TMP-2AM HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116

DATE: Jun 07, 2013

SIGN NUMBER: SP-13 BACKG COLOR: Orange COPY COLOR: Black TYPE: D QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 3'-0" HEIGHT: 1'-0" TOTAL AREA: 3.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS:

DESIGN BY: LLT

PROJECT ID: U-3308

USE NOTES: 1,2,3

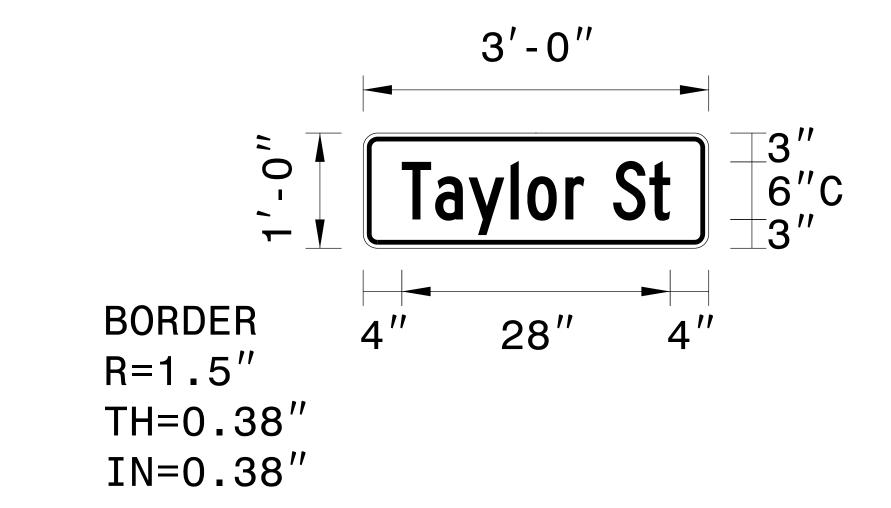
LENGTH:

1. Legend and border shall be direct applied

Grade C reflective sheeting.

2. Background shall be Grade C reflective sheeting.

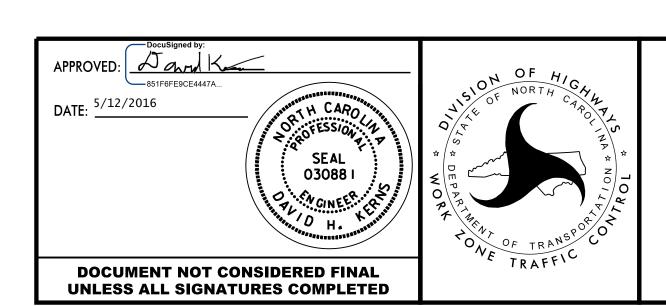
3. Shields shall be Grade C reflective sheeting on $0.032^{\prime\prime}$ (0.8mm) aluminum and demountable.



CHECKED BY: DHK

DIV: 4

											Let	ter	spaci	ngs	are to s	start (of	next lett	er			Series/Size Text Length
	Т	а	У	1	0	r		S	t													C 2000
4	3.5	3.5	4.4	1.7	4	2	3	3.8	2.2	4												28



PROJ. REFERENCE NO. SHEET NO. U-3308 TMP-2AN HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116

DATE: Jun 07, 2013

SIGN NUMBER: SP-14 BACKG COLOR: Orange TYPE: D COPY COLOR: Black QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 2'-6" HEIGHT: 1'-0" TOTAL AREA: 2.5 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" NO. Z BARS:

MAT'L: 0.125" (3.2 mm) ALUMINUM

DESIGN BY: LLT

PROJECT ID: U-3308

USE NOTES: 1,2,3

LENGTH:

1. Legend and border shall be direct applied

Grade C reflective sheeting. 2. Background shall be Grade C reflective sheeting.

3. Shields shall be Grade C reflective sheeting on $0.032^{\prime\prime}$ (0.8mm) aluminum and demountable.

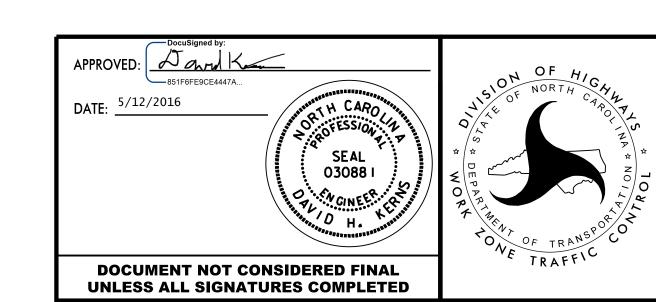
2'-6" 6"C 3" 4.7"20.6"4.7" BORDER

CHECKED BY: DHK

DIV: 4

R=1.5''TH=0.38" IN=0.38"

									L	etter sp	acings	are to	start	of nex	t 1	.etter			Series/Size Text Length
	W	а	1	1		S	t												C 2000
4.7	5	3.9	1.9	0.8	3	3.8	2.2	4.7											20.6



PROJ. REFERENCE NO. SHEET NO.

U-3308 TMP - 2AO

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

DATE: Jun 07, 2013

SIGN NUMBER: SP-15 BACKG COLOR: Orange COPY COLOR: Black TYPE: D QUANTITY: 1 WIDTH HT SYMBOL SIGN WIDTH: 3'-0" HEIGHT: 1'-0" TOTAL AREA: 3.0 Sq.Ft. BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.38" RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH:

USE NOTES: 1,2,3

1. Legend and border shall be direct applied

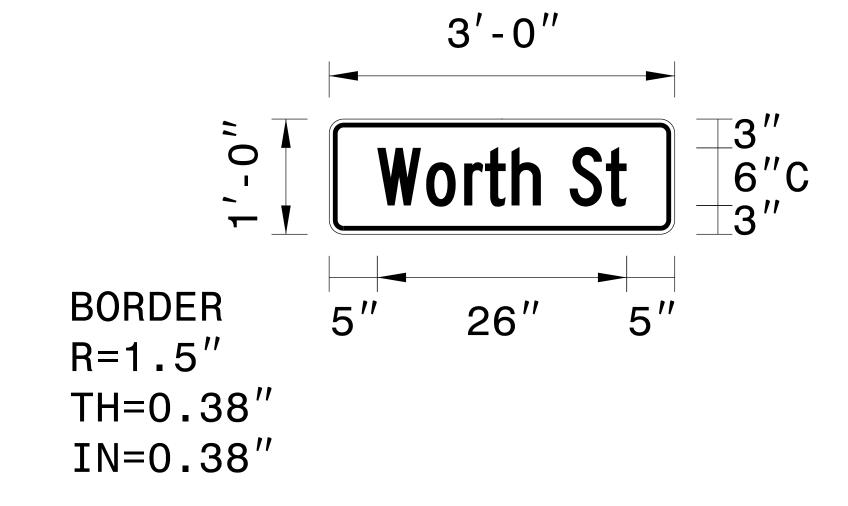
Grade C reflective sheeting.

2. Background shall be Grade C reflective sheeting.

3. Shields shall be Grade C reflective sheeting on 0.032" (0.8mm) aluminum and demountable.

CHECKED BY: DHK

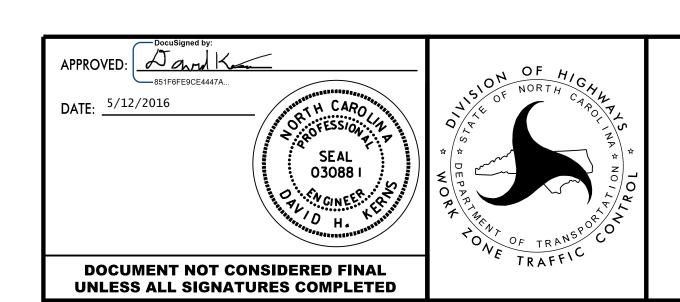
DIV: 4

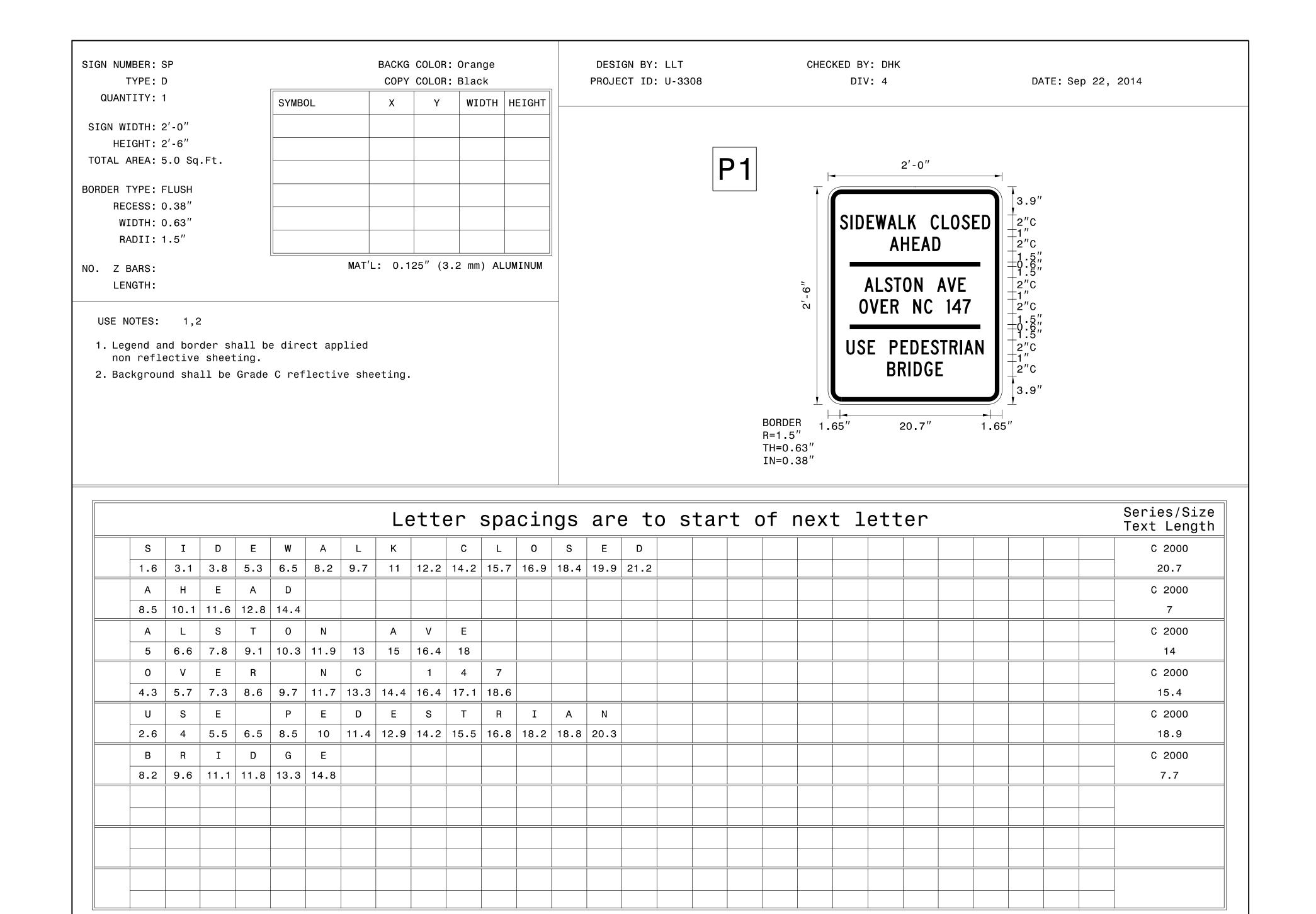


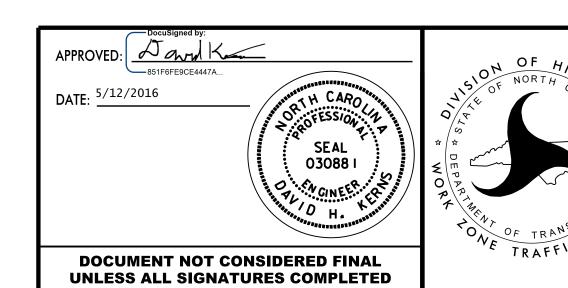
										L	etter sp.	acings	are to s	start (of nex	t]	Letter			Series/Size Text Length
	w	0	r	t	h		S	t												C 2000
5	5.1	4	2.2	2.8	3.1	3	3.8	2.2	5											26

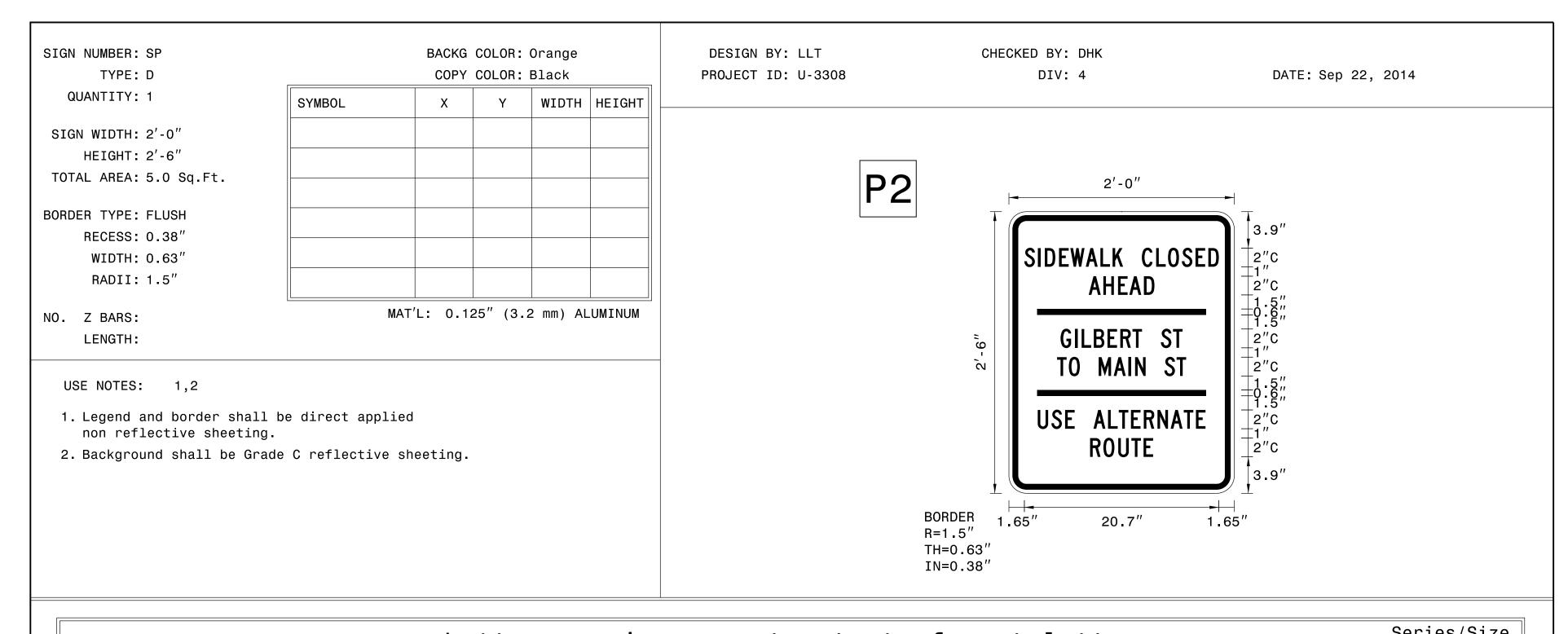
DESIGN BY: LLT

PROJECT ID: U-3308

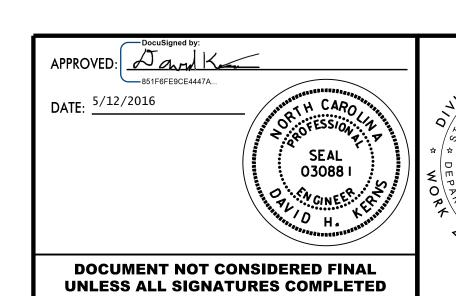


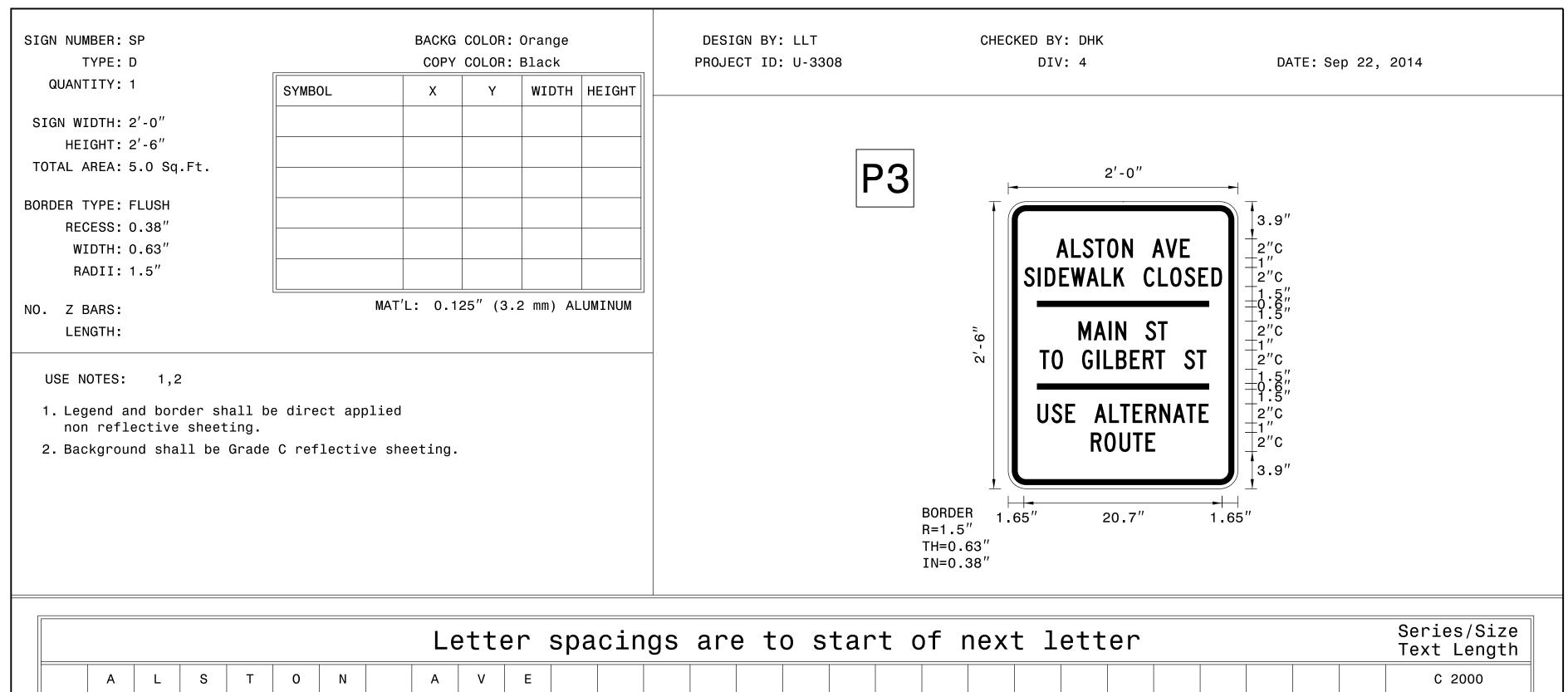






							Le	ette	er	spa	cir	ngs	are	to	st	art	of	nex	t 1	etter		Series/Size Text Lengt
S	I	D	Е	W	Α	L	K		С	L	0	S	Е	D								C 2000
1.6	3.1	3.8	5.3	6.5	8.2	9.7	11	12.2	14.2	15.7	16.9	18.4	19.9 2	21.2								20.7
А	Н	Е	Α	D																		C 2000
8.5	10.1	11.6	12.8	14.4																		7
G	I	L	В	Е	R	Т		S	Т													C 2000
5.5	7	7.7	9	10.5	11.9	13.2	14.2	16.2	17.5													13
Т	0		M	А	I	N		S	Т													C 2000
5.1	6.4	7.6	9.6	11.2	12.7	13.4	14.6	16.6	17.9													13.8
U	S	Е		А	L	Т	Е	R	N	А	Т	Е										C 2000
3.1	4.5	6	7	9	10.6	11.7	13	14.4	15.8	17.2	18.6	19.9										17.9
R	0	U	Т	Е																		C 2000
8.6	10.1	11.6	13	14.3																		6.7





Α	L	S	Т	0	N		Α	V	Е											C 200
5	6.6	7.8	9.1	10.3	11.9	13	15	16.4	18											14
S	I	D	Е	W	Α	L	К		С	L	0	S	Е	D						C 200
1.6	3.	3.8	5.3	6.5	8.2	9.7	11	12.2	14.2	15.7	16.9	18.4	19.9	21.2						20.7
М	А	I	N		S	Т														C 2000
7.3	8.9	10.5	11.2	12.3	14.3	15.6														9.3
Т	0		G	I	L	В	Е	R	Т		S	Т								C 2000
3.3	4.5	5.7	7.7	9.2	10	11.3	12.7	14.1	15.4	16.4	18.4	19.7								17.4
U	S	Е		А	L	Т	Е	R	N	Α	Т	Е								C 200
3.1	4.5	6	7	9	10.6	11.7	13	14.4	15.8	17.2	18.6	19.9								17.9
R	0	U	Т	Е																C 2000
8.6	10.	1 11.6	13	14.3																6.7

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

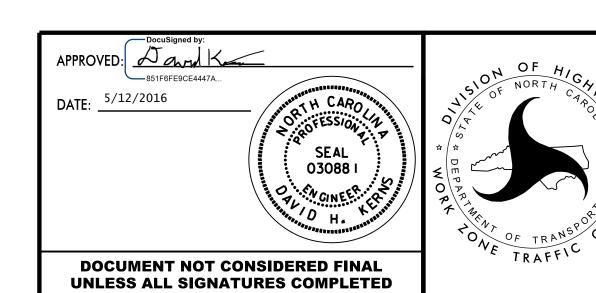
PROJ. REFERENCE NO. SHEET NO.

U-3308 TMP - 2AS

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116

SIGN NUMBER: SP BACKG COLOR: Orange DESIGN BY: LLT CHECKED BY: DHK DATE: Sep 22, 2014 PROJECT ID: U-3308 TYPE: D COPY COLOR: Black DIV: 4 QUANTITY: 1 WIDTH HEIGHT SYMBOL SIGN WIDTH: 2'-0" HEIGHT: 2'-0" TOTAL AREA: 4.0 Sq.Ft. 2'-0" BORDER TYPE: FLUSH RECESS: 0.38" WIDTH: 0.63" SIDEWALK CLOSED RADII: 1.5" MAT'L: 0.125" (3.2 mm) ALUMINUM NO. Z BARS: LENGTH: TO GILBERT ST 1.5" -0.6" -1.5" 2"C -1" 2"C USE NOTES: 1,2 USE ALTERNATE 1. Legend and border shall be direct applied non reflective sheeting. 2. Background shall be Grade C reflective sheeting. BORDER R=1.5" 20.7" 1 65" 1.65" TH=0.63" IN=0.38"

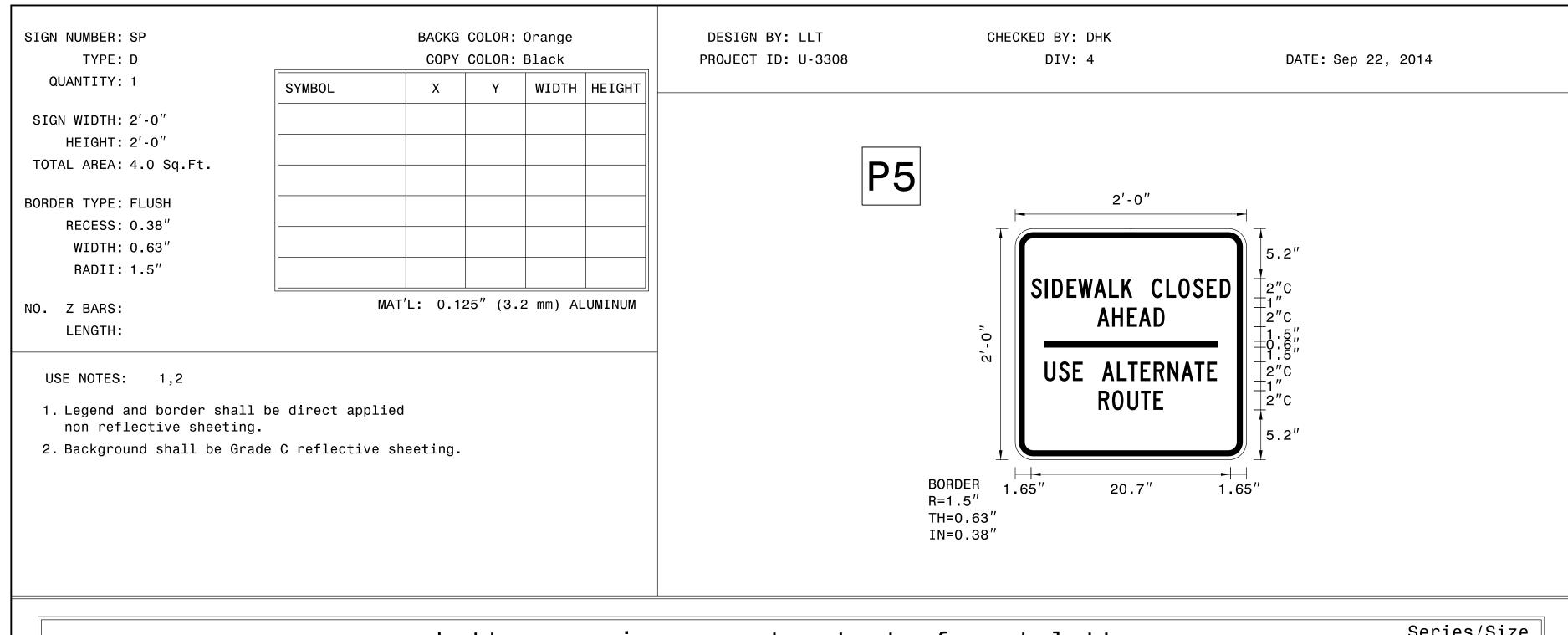
Series/Size Text Length	etter	t 1	nex	t of	tar	to s	are	gs	cin	spa	er :	ett.	Le							
C 2000							Е	S	0	L	С		К	L	А	W	Е	D	I	S
20.7						2	19.9 2 ⁻	18.4	16.9	15.7	14.2	12.2	11	9.7	8.2	6.5	5.3	3.8	3.1	1.6
C 2000														Т	S		N	I	Α	M
9.3														15.6	14.3	12.3	11.2	10.5	8.9	7.3
C 2000								Т	S		Т	R	Е	В	L	I	G		0	Т
17.4								19.7	18.4	16.4	15.4	14.1	12.7	11.3	10	9.2	7.7	5.7	4.5	3.3
C 2000								Е	Т	А	N	R	Е	Т	L	Α		Е	S	U
17.9								19.9	18.6	17.2	15.8	14.4	13	11.7	10.6	9	7	6	4.5	3.1
C 2000																Е	Т	U	0	R
6.7																14.3	13	11.6	10.1	8.6



PROJ. REFERENCE NO. SHEET NO.

U-3308 TMP - 2AT

HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F-0116



	Letter spaci	ngs are to start of next letter	Series/Size Text Length
S I D E W	A L K C L O	S E D	C 2000
1.6 3.1 3.8 5.3 6.5	.2 9.7 11 12.2 14.2 15.7 16.9	9 18.4 19.9 21.2	20.7
A H E A D			C 2000
8.5 10.1 11.6 12.8 14.4			7
U S E A	_ T E R N A T	E	C 2000
3.1 4.5 6 7 9	.6 11.7 13 14.4 15.8 17.2 18.0	6 19.9	17.9
R O U T E			C 2000
8.6 10.1 11.6 13 14.3			6.7

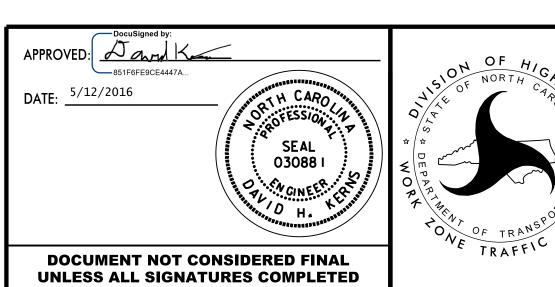


FIGURE A

NOTES

- 1- REFER TO THE TRAFFIC CONTROL PLANS FOR TEMPORARY SHORING LOCATIONS AND NOTES.
- 2- REFER TO THE "TEMPORARY SHORING" PROJECT SPECIAL PROVISION FOR INFORMATION ABOUT TEMPORARY SHORING AND PORTABLE CONCRETE BARRIER (PCB).
- 3- 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).
- 4- 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.
- 5- 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.
- 6- USE NCDOT PORTABLE CONCRETE BARRIER (PCB) IN ACCORDANCE WITH ROADWAY STANDARD DRAWING NO. 1170.01 AND SECTION 1170 OF THE STANDARD SPECIFICATIONS.
- 7- PCB REQUIREMENTS FOR TEMPORARY WALLS APPLY TO TEMPORARY MECHANICALLY STABILIZED EARTH (MSE) WALLS AND TEMPORARY SOIL NAIL WALLS.
- 8- 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.
- 9- 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.
- 10- 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.

PROJ. REFERENCE NO.	SHEET NO.
U-3308	TMP-2AU

MINIMUM REQUIRED CLEAR DISTANCE, inches

Barrier	Pavement	Offset *		De	sign Spe	ed, mph		
Type	Type	ft	<30	31-40	41-50	51-60	61-70	71-80
		<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
	Asphalt	26-32	29	32	36	39	42	45
	rispitate	32-38	30	34	38	41	43	46
Ą		38-44	31	34	41	43	45	48
PCB		44-50	31	35	41	43	46	49
7		50-56	32	36	42	44	47	50
Unanchored		>56	32	36	42	45	47	51
ho.		<8	17	18	21	22	25	26
nc		8-14	19	20	23	25	26	29
па		14-20	22	22	24	26	28	31
		20-26	23	24	26	27	30	34
	Concrete	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 f	or All D	esign Sp	eeds	
Anchored PCB	Concrete (including bridge approach slabs)	All Offsets		12 f	or All D	esign Sp	eeds	

^{*} See Figure Below

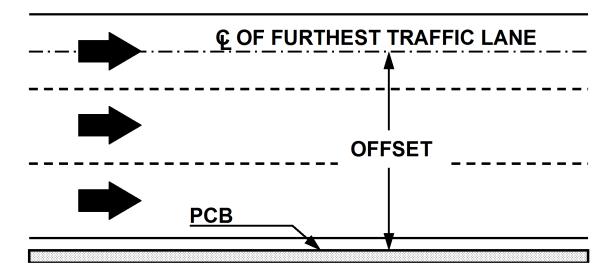
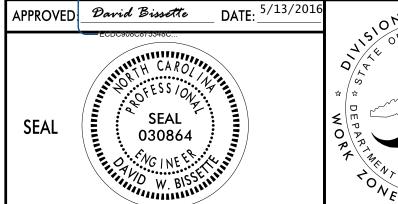


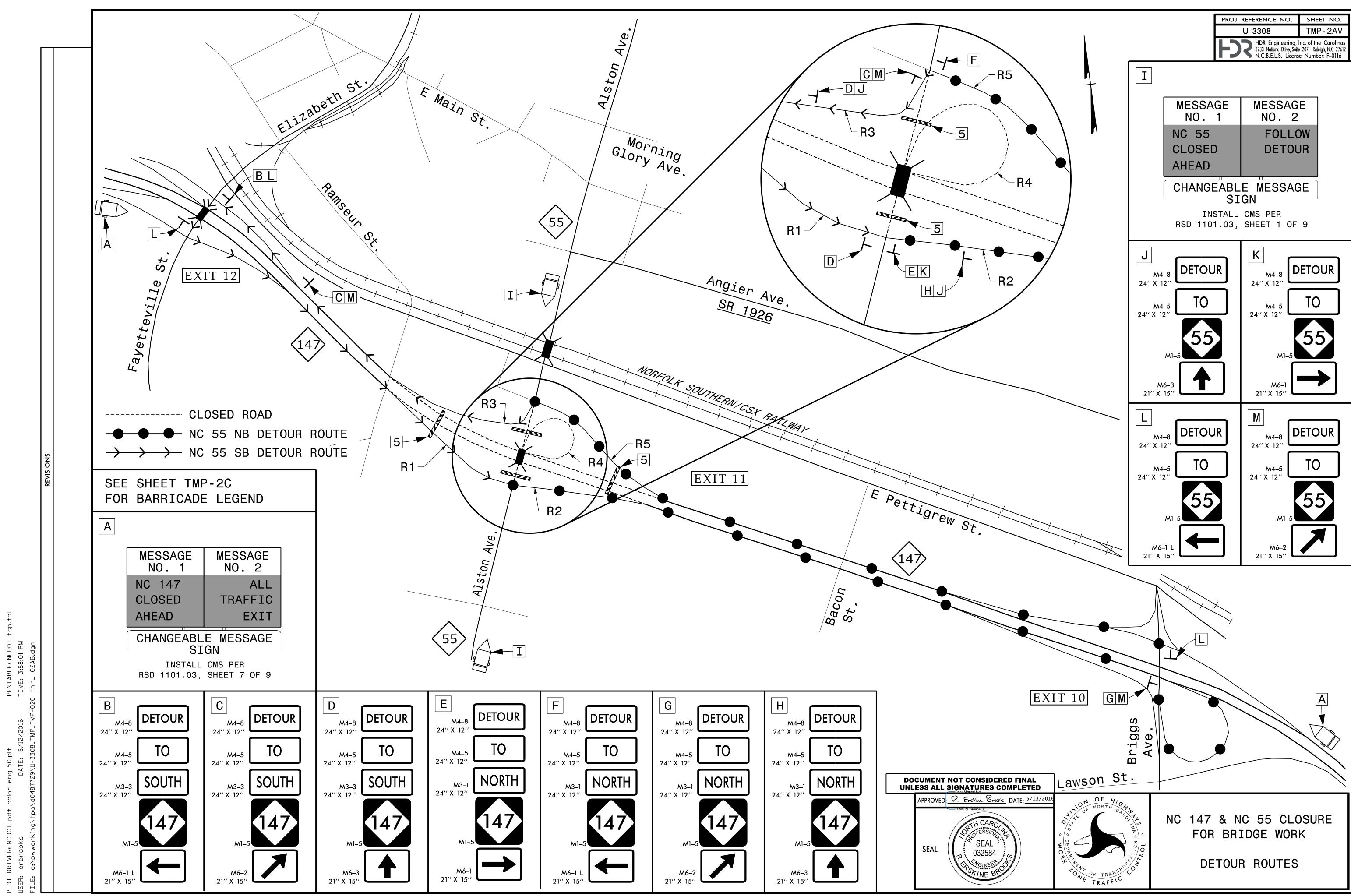
FIGURE B

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED





PORTABLE CONCRETE BARRIER
AT
TEMPORARY SHORING LOCATIONS



BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS (PER RSD 1101.01) AND TRAFFIC CONTROL DEVICES. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR AS DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING PATTERN(S) AT THE END OF THE ALLOWABLE WORK PERIOD.

PAVE PROPOSED CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES, UNLESS OTHERWISE NOTED IN THE PHASING, UNTIL STATED TO INSTALL THE FINAL LAYER OF SURFACE COURSE IN THE PHASING.

COMPLETE STAMPED CONCRETE CROSSWALKS WITHIN THE RESPECTIVE WORK AREAS OF EACH PHASE AND STEP WHERE SHOWN IN THE PLANS. PLACE THE FINAL LAYER OF ASPHALT SURFACE COURSE WITHIN EACH INTERSECTION TO THE LIMITS OF THE CONSTRUCTED CONCRETE CROSSWALKS.

COVER ALL OPEN DRAINAGE STRUCTURES ADJACENT TO TRAFFIC WITH TEMPORARY STEEL PLATES. OR AS DIRECTED BY THE ENGINEER.

PHASE 1 (SHEETS TMP-5 - TMP-8)

STEP 1:

NOTES:

AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), BEGIN REMOVAL OF THE OVERHEAD COMPONENTS AND PIERS OF THE EXISTING CSX AND ABANDONED RAILROAD BRIDGES OVER -LALT- (NC 55). (SEE LOCAL NOTE LN-02)

USING LANE CLOSURES (RSD 1101.02, SHEET 4 OF 15), REMOVE EXISTING GUARDRAIL ALONG -YA- (NC 147) UNDER THE EXISTING -LALT- (NC 55) BRIDGE, AND INSTALL TEMPORARY GUARDRAIL (AS SHOWN ON SHEET TMP-5).

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS 05-0228T1, 05-0284T1, 05-1026T1, 05-1027T1, 05-1028T1, 05-1029T1, AND 05-1030T1.

PERMANENTLY CLOSE -Y13- (WALL STREET; EAST SIDE OF -LALT-, SHEET TMP-7) AND -Y20- (EVA STREET; WEST SIDE OF -LALT-, SHEET TMP-8) AND COMPLETE ASSOCIATED WORK AT EACH LOCATION.

INSTALL PEDESTRIAN DETOUR SIGNING FOR CLOSURE OF THE SIDEWALK ON THE EXISTING NC 55 BRIDGE OVER NC 147. (SEE SHEET TMP-2X FOR PEDESTRIAN DETOUR ROUTE)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 2 CONCURRENTLY WITH PHASE 1. STEPS 3. 4. AND 5 - 7. PHASE 1. STEP 2 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 3A OR STEP 4A, AND AS NOTED IN LOCAL NOTE LN-02 (SEE SHEET TMP-2A).

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1. STEP 2 DURING A WEEKEND OPERATION. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 2:

CONDUCT WORK ON -LALT- (NC 55 / ALSTON AVE) IN THE FOLLOWING SEQUENCE: (SEE SHEET TMP-5)

- 1. USING RSD 1101.03, SHEET 1 OF 9, DETOUR AND CLOSE EXISTING NC 55 (SEE SHEET TMP-2D FOR DETOUR ROUTE).
- 2. COMPLETE REMOVAL OF THE EXISTING CSX RAIL BRIDGE AND ABANDONED RAIL BRIDGE PIER FOUNDATIONS ADJACENT TO THE EXISTING NB NC 55 TRAVEL LANES. (SEE CUT SECTION B1-B1 ON SHEET TMP-4A)
- 3. BACKFILL AND REPAIR EXISTING NC 55, INCLUDING INSTALLATION OF TEMPORARY PAVEMENT FOR TEMPORARY WALKWAY.
- 4. PLACE PORTABLE CONCRETE BARRIER (PCB), TEMPORARY 6' FENCING ADJACENT TO THE TEMPORARY WALKWAY, AND TEMPORARY PAVEMENT MARKINGS ALONG NC 55 FROM -LALT- STA. 22+50 +/- TO STA. 27+50 +/- (AS SHOWN ON SHEET TMP-5). (NOTE - IF PHASE 1, STEP 2 IS NOT COMPLETED IN CONJUNCTION WITH PHASE 1, STEP 3, TIE TEMPORARY MARKINGS AT -LALT-STA. 22+50 +/- TO THE EXISTING MARKINGS.)
- 5. REMOVE THE DETOUR AND REOPEN NC 55.

PHASING

PROJ. REFERENCE NO. SHEET NO. TMP-3 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F–0116

STEP 3:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY. COMPLETE INSTALLATION OF TEMPORARY SIGNALS 05-0284T1 AND 05-1028T1, PLACE TEMPORARY PAVEMENT MARKINGS ON NC 55 (-LALT- STA. 13+20 +/- TO STA. 22+50 +/-), -R1-, -R3-, AND -R4-, AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN. (SEE SHEET TMP-5)

AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), BEGIN TRACK CONSTRUCTION OF THE CSX RAIL AND RAIL DETOUR LINES. BEGIN CONSTRUCTION OF THE CSX RAIL BRIDGE OVER -LALT-, INCLUDING THE TEMPORARY SPAN OVER NC 55 AS SHOWN IN THE RAIL BRIDGE STRUCTURE PLANS. (SEE SHEET TMP-5 AND LOCAL NOTE LN-02, SHEET TMP-2A)

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-5 AND TMP-6)

- -LALT- FROM STA. 24+38 +/- TO STA. 31+00 +/- (LT) - -LALT- FROM STA. 32+00 +/- TO STA. 36+00 +/- (LT)

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1026T1, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y1- (ANGIER AVENUE). (SEE SHEET TMP-2K FOR DETOUR ROUTE) UPON CLOSURE OF -Y1-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-6)

- -Y1- FROM STA. 11+00 +/- TO STA. 12+41 +/-- -LALT- FROM STA. 31+00 +/- TO STA. 32+00 +/- (LT), INCLUDING TEMPORARY PAVEMENT (STA. 31+00 +/- TO STA. 32+00 +/-) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y1- INTERSECTION. (SEE SHEET TMP-6)

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1027T1, THEN BEGIN CONSTRUCTION OF TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS: (SEE SHEETS TMP-6 - TMP-8) - -LALT- FROM STA. 36+71 +/- TO STA. 40+62 +/- (RT)

- -LALT- FROM STA. 47+36 +/- TO STA. 66+10 +/- (LT)

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND TEMPORARY CLOSURES OF -Y7- (MORNING GLORY AVENUE), -Y9- (WORTH STREET), AND -Y11- (FRANKLIN STREET) AS NECESSARY, BEGIN INSTALLATION OF PROPOSED DRAINAGE SYSTEM (PIPES AND STRUCTURES) FROM DRAINAGE STRUCTURE NO. 801 TO DRAINAGE STRUCTURE NO. 1018 (SEE ROADWAY PLAN SHEETS 8 - 10). WHEN NEEDED, CONSTRUCT A TEMPORARY DRAINAGE STRUCTURE AND TIE THE PROPOSED SYSTEM AND $54^{\prime\prime}$ RCP TO THE EXISTING SYSTEM WITHIN FRANKLIN STREET (SEE SHEET TMP-7). MAINTAIN THIS TEMPORARY DRAINAGE PATTERN UNTIL COMPLETION OF THE PERMANENT DRAINAGE SYSTEM FROM DRAINAGE STRUCTURE NO. 901 TO DRAINAGE STRUCTURE NO. 1018 AND THE DRAINAGE SYSTEM WITHIN -Y15- (TAYLOR STREET). COVER TEMPORARY AND PROPOSED DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AS NECESSARY. USE DETOUR SHEETS TMP-2P AND TMP-2Q FOR ROAD CLOSURES. REOPEN ROADS UPON COMPLETION OF WORK AT EACH LOCATION.

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y16- (HOPKINS STREET), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF -Y16- FROM STA. 10+60 + / - TO STA. 11+85 + / - (PERMANENT PAVEMENT) AND -Y16- FROM STA.10+35 +/- TO STA. 10+60 +/- (TEMPORARY PAVEMENT). (SEE SHEET TMP-8 AND LOCAL NOTE LN-06. SEE SHEET TMP-2S FOR DETOUR ROUTE.)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 3A CONCURRENTLY WITH PHASE 1, STEPS 3 - 4 AND/OR 5 - 8. PHASE 1, STEP 3A MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 2 OR STEP 4A.

STEP 3A:

USING A ONE (1) NIGHT ROAD CLOSURE, DETOUR EXISTING NC 55 AND COMPLETE 42" RCP DRAINAGE SYSTEM CROSS PIPE INSTALLATION, INCLUDING INSTALLATION OF DRAINAGE STRUCTURE NO. 0803 AND NO. 0835 AT -LALT- STA. 38+75 +/-. COVER DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AND REPAIR THE EXISTING ROADWAY. UPON COMPLETION, REOPEN NC 55 TO THE EXISTING PATTERN. (SEE SHEET TMP-2E FOR DETOUR ROUTE.)

USING A ONE (1) NIGHT ROAD CLOSURE, DETOUR EXISTING NC 55 AND COMPLETE 30" RCP DRAINAGE SYSTEM CROSS PIPE INSTALLATION, INCLUDING INSTALLATION OF DRAINAGE STRUCTURE NO. 1003 AT -LALT- STA. 48+58 +/-. COVER DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AND REPAIR THE EXISTING ROADWAY. UPON COMPLETION, REOPEN NC 55 TO THE EXISTING PATTERN. (SEE SHEET TMP-2E FOR DETOUR ROUTE.)

STEP 4:

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 2 AND 3 OF 15) AND LAW ENFORCEMENT AS NECESSARY, PLACE ANCHORED PCB FROM -LALT- STA. 14+90 +/-TO STA. 18+70 +/-. THEN AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-5)

- - LALT- STA. 15+00 +/- TO STA. 18+55 +/-, INCLUDING THE FOLLOWING:
 - > INSTALLATION OF SHORING NO. 1 AND NO. 2
 - > REMOVAL OF THE WEST SIDE OF THE EXISTING NC 55 BRIDGE OVER -YA- (NC 147) (SEE LOCAL NOTE LN-01)
 - > STAGE 1 OF THE NEW -LALT- BRIDGE OVÉR -YA- (SEE LOCAL NOTE LN-01) > TEMPORARY PAVEMENT (-LALT- STA. 14+58 +/- TO STA. 15+35 +/-, AND
- -LALT- STA. 17+63 +/- TO STA. 18+41 +/-) (SEE LOCAL NOTE LN-01) - -R3- STA. 10+07 +/- TO STA. 10+90 +/-

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 2 OF 15), IN CONJUNCTION WITH TEMPORARY WIDENING WORK IN EACH AREA, BEGIN ASPHALT WEDGING IN THE FOLLOWING LOCATIONS TO CREATE A SMOOTH TRANSITION ALONG AND ACROSS TRAVEL LANES FROM THE EXISTING PAVEMENT TO THE TEMPORARY PAVEMENT WIDENING: (SEE SHEETS TMP-6 - TMP-8)

- -LALT- FROM STA. 39+50 +/- TO STA. 40+62 +/- (RT)
- -LALT- FROM STA. 47+75 +/- TO STA. 50+00 +/- (LT)
- -LALT- FROM STA. 61+75 +/- TO STA. 66+10 +/- (LT)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 4A CONCURRENTLY WITH PHASE 1, STEPS 3 - 4 AND/OR 5 - 10. PHASE 1, STEP 4A MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 2 OR STEP 4A, AND AS NOTED IN LOCAL NOTE LN-01 (SEE SHEET TMP-2A).

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 4A IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

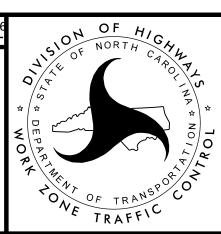
STEP 4A:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY. INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1028T1A, THEN CLOSE AND DETOUR -R1-. (SEE SHEET TMP-2G FOR DETOUR ROUTE)

UPON CLOSURE OF -R1-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -R1-, INCLUDING COMPLETION OF -LALT- FROM STA. 13+50 +/-TO STA. 15+00 +/- (LT). IN CONJUNCTION WITH -LALT- AND -R1- WORK, PLACE ASPHALT WEDGING IN THE -LALT-/-R1- INTERSECTION TO PROVIDE A SMOOTH TRANSITION ALONG AND ACROSS TRAVEL LANES FROM THE EXISTING PAVEMENT TO THE NEW PAVEMENT AND TEMPORARY PAVEMENT WIDENING. (SEE SHEET TMP-5A)

UPON COMPLETION OF -R1- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-10284T1B, PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -R1- (AS SHOWN ON SHEET TMP-9), THEN REMOVE THE DETOUR AND REOPEN -R1- TO THE TEMPORARY PATTERN.





PHASING

PHASING

PROJ. REFERENCE NO.

U-3308

TMP-3A

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PHASE 1 (CONTINUED)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 5 CONCURRENTLY WITH PHASE 1. STEPS 2 - 4. 4A. AND/OR 6 - 10.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 5 IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 5:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-0284T2, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y3-(GANN STREET). (SEE SHEET TMP-2I FOR DETOUR ROUTE)

UPON CLOSURE OF -Y3-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y3-, INCLUDING COMPLETION OF -LALT- FROM STA. 19+98 +/- TO STA. 20+94 +/- (LT). IN CONJUNCTION WITH -LALT- WORK, PLACE TEMPORARY WEDGING OVER THE PROPOSED -LALT- PAVEMENT AND CONSTRUCT TEMPORARY PAVEMENT (-LALT- STA. 19+98 +/- TO STA. 20+94 +/-) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y3- INTERSECTION. (SEE SHEET TMP-5)

UPON COMPLETION OF -Y3- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-0284T3, PLACE TEMPORARY MARKINGS ON -Y3- (AS SHOWN ON SHEET TMP-5A), THEN REMOVE THE DETOUR AND REOPEN -Y3- TO THE TEMPORARY PATTERN.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 6 CONCURRENTLY WITH PHASE 1, STEPS 2 - 5, 7 - 9, 11 - 12, AND/OR 16-21. AS DIRECTED BY OR UPON APPROVAL OF THE ENGINEER, PHASE 1, STEP 6 MAY BE COMBINED WITH PHASE 1, STEP 15. PHASE 1, STEP 6 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 10.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 6 IN SIXTY (60) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES) NO WORK MAY OCCUR ALONG -Y15- (TAYLOR STREET) DURING ACTIVE SCHOOL DAYS. (SEE LOCAL NOTE LN-04, SHEET TMP-2A)

<u>STEP 6:</u>

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-0228T1, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y15- (TAYLOR STREET). (SEE SHEET TMP-2R FOR DETOUR ROUTE)

UPON CLOSURE OF -Y15-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y15- FROM STA. 10+75 +/- TO STA. 16+40 +/-, -Y15A-, AND TEMPORARY PAVEMENT FROM -Y15- STA. 10+05 +/- TO STA. 10+75 +/-. BEGIN CONSTRUCTION OF RETAINING WALL #2, COMPLETING AS NECESSARY WITH ASSOCIATED -Y15- WORK. (SEE SHEET TMP-7)

UPON COMPLETION OF -Y15-, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEET 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-0228T2, PLACE TEMPORARY MARKINGS ON -Y15- (AS SHOWN ON SHEET TMP-11), THEN REMOVE THE DETOUR AND REOPEN -Y15- TO THE TEMPORARY PATTERN.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 7 CONCURRENTLY WITH PHASE 1. STEPS 2 - 6 AND/OR 8 - 10.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 7 IN SIXTY (60) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 7:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1029T1, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y18- (LIBERTY STREET). (SEE SHEET TMP-2S FOR DETOUR ROUTE)

UPON CLOSURE OF -Y18-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y18- FROM STA. 10+20 +/- TO STA. 13+10 +/- AND TEMPORARY PAVEMENT FROM -Y18- STA. 13+10 +/- TO STA. 13+45 +/-, INCLUDING COMPLETION OF TEMPORARY PAVEMENT ON -LALT- FROM STA. 56+70 +/- TO STA. 57+75 +/- (LT). (SEE SHEET TMP-8)

UPON COMPLETION OF -Y18-, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEET 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1029T2, PLACE TEMPORARY MARKINGS ON -Y18- (AS SHOWN ON SHEET TMP-12), THEN REMOVE THE DETOUR AND REOPEN -Y18- TO THE TEMPORARY PATTERN.

STEP 8:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS 05-0228T3, 05-1026T2, 05-1027T2, 05-1029T3.

COMPLETE CONSTRUCTION OF PERMANENT PAVEMENT, TEMPORARY PAVEMENT, AND TEMPORARY WEDGING BEGUN EARLIER IN THE FOLLOWING LOCATIONS:
(SEE SHEETS TMP-6 - TMP-8)

COMPLETE TRACK CONSTRUCTION OF THE CSX RAIL AND RAIL DETOUR LINES, AND THE CSX RAIL BRIDGE OVER -LALT- BEGUN EARLIER.

COMPLETE PHASE 1, STEPS 9 - 10 CONCURRENTLY. UPON COMPLETION OF PHASE 1, STEPS 9 - 10, PROCEED DIRECTLY TO PHASE 1, STEP 11.

STEP 9:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNALS 05-0228T3, 05-1027T2, 05-1029T3, AND 05-1030T1, PLACE TEMPORARY PAVEMENT MARKINGS IN THE TEMPORARY PATTERN AS SHOWN ON SHEETS TMP-9 - TMP-12, REMOVE DETOUR ON -Y16-, THEN SHIFT TRAFFIC TO THE PHASE 1, STEP 11 PATTERN IN THE FOLLOWING LOCATIONS:

- -LALT- FROM STA. 36+71 +/- TO STA. 42+14 +/- -LALT- FROM STA. 45+50 +/- TO STA. 67+60 +/-

- -Y22-

UPON COMPLETION OF -Y1- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1026T2, PLACE TEMPORARY MARKINGS ON -Y1- (AS SHOWN ON SHEET TMP-10), THEN REMOVE THE DETOUR AND REOPEN -Y1- TO THE TEMPORARY PATTERN.

SHIFT ALL RAIL TRAFFIC TO THE RAIL DETOUR ALIGNMENT.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 10 DURING A WEEKEND OPERATION. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 10:

CONDUCT WORK IN THE FOLLOWING ORDER FOR WORK ASSOCIATED WITH THE 72" RCP CROSSING OF NC 55 AT -LALT- STA. 52+50: (SEE SHEET TMP-7)

- 1. USING RSD 1101.03, SHEET 1 OF 9, DETOUR AND CLOSE EXISTING NC 55 (SEE SHEET TMP-2E FOR DETOUR ROUTE).
- 2. COMPLETE INSTALLATION OF NEW 72" RCP AND ADJACENT 30" RCP CROSSING. (SEE CUT SECTION E1-E1 AND FURTHER PHASING FOR PIPE INSTALLATION ON SHEET TMP-4C)
- 3. BACKFILL AND REPAIR EXISTING NC 55 WITH TEMPORARY PAVEMENT.
- 4. PLACE PORTABLE CONCRETE BARRIER (PCB) AND TEMPORARY PAVEMENT MARKINGS ALONG NC 55 (AS SHOWN ON SHEET TMP-11).
- 5. REMOVE THE DETOUR AND REOPEN NC 55 TO THE PHASÉ 1, STEP 11 PATTERN.

PHASE 1 (SHEETS TMP-9 - TMP-14)

STEP 11:

INSTALL PEDESTRIAN DETOUR SIGNING FOR CLOSURE OF THE SIDEWALK ON EXISTING NC 55 FROM MAIN STREET TO HOLLOWAY STREET. (SEE SHEET TMP-2Y FOR PEDESTRIAN DETOUR ROUTE)

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y- (PETTIGREW STREET), THEN AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), REMOVE THE OVERHEAD COMPONENTS AND PIERS OF THE PETTIGREW STREET BRIDGE OVER -LALT- (NC 55). (SEE LOCAL NOTE LN-02) (SEE SHEET TMP-2J FOR DETOUR ROUTE.)

AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), REMOVE THE OVERHEAD COMPONENTS AND PIERS OF THE EXISTING NORFOLK SOUTHERN RAILROAD (NSRR) BRIDGE OVER -LALT- (NC 55). (SEE LOCAL NOTE LN-02)

AWAY FROM TRAFFIC, BEGIN TRACK CONSTRUCTION OF THE NSRR LINES.

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS 05-0228T4, 05-1027T3, 05-1029T4, AND 05-1030T2.

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEETS 1 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -Y- FROM STA. 11+50 +/- TO STA. 15+10 +/-
- -Y3A-

AWAY FROM TRAFFIC, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -Y- FROM STA. 15+10 +/- TO STA. 16+27 +/-

- -Y- FROM STA. 17+85 +/- TO STA. 25+00 +/-

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -LALT- FROM STA. 20+94 +/- TO STA. 24+39 +/- (LT) (PERMANENT) - -LALT- FROM STA. 37+40 +/- TO STA. 39+25 +/- (LT) (PERMANENT)

- -LALT- FROM STA. 38+66 +/- TO STA. 39+25 +/- (LT) (TEMPORARY)
 -LALT- FROM STA. 39+25 +/- TO STA. 40+56 +/- (LT) (TEMPORARY)
- -LALT- FROM STA. 39+25 +/- TO STA. 40+32 +/- (LT) (WEDGING)
 RETAINING WALL #1 (-LALT- STA. 37+32 +/- TO STA. 40+30 +/-)

APPROVED R. Erskik Brooks DATE: 5/13/2010

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PHASING

PHASING

PROJ. REFERENCE NO. SHEET NO. TMP-3B U-3308 HDR Engineering, Inc. of the Carolinas 3733 National Drive, Suite 207 Raleigh, N.C. 27612 N.C.B.E.L.S. License Number: F—0116

STEP 11 (CONTINUED):

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y9- (WORTH STREET) AND -Y11- (FRANKLIN STREET), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEET 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-11) (SEE SHEET TMP-2Q FOR DETOUR ROUTE.)

- -Y9-- -Y11-
- -LALT- FROM STA. 41+50 +/- TO STA. 48+25 +/- (RT), INCLUDING TEMPORARY PAVEMENT AND TEMPORARY WEDGING AT THE EXISTING -Y9- INTERSECTION (STA. 42+55 +/- TO STA. 43+20 +/-) AND EXISTING -Y11- INTERSECTION (STA. 44+30 +/- TO STA. 46+30 +/-) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y9- AND -Y11- INTERSECTIONS.
- -LALT- FROM STA. 43+25 +/- TO STA. 48+25 +/- (LT) (WEDGING)

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING:

- -LALT- FROM STA. 49+30 +/- TO STA. 53+88 +/- (RT), INCLUDING TEMP PAVEMENT FROM STA. 50+84 +/- TO STA. 51+75 +/-
- -LALT- FROM STA. 54+62 +/- TO STA. 56+70 +/- (RT)
- -LALT- FROM STA. 64+25 +/- TO STA. 66+10 +/- (RT).
- INCLUDING TEMP PAVEMENT FROM STA. 64+25 +/- TO STA. 65+10 +/-

WHILE MAINTAINING ACCESS TO -Y21- (EVA STREET), AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEET 1 OF 15) AS NECESSARY, INSTALL PCB FROM -LALT- STA. 59+75 +/- TO STA. 61+95 +/-, THEN INSTALL SHORING NO. 3.

USING A ONE (1) NIGHT ROAD CLOSURE, DETOUR EXISTING NC 55 AND COMPLETE 48" RCP DRAINAGE SYSTEM CROSS PIPE INSTALLATION, INCLUDING INSTALLATION OF DRAINAGE STRUCTURE NO. 0827 AND NO. 0834 AT -LALT- STA. 42+50 +/-. COVER DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AND REPAIR THE EXISTING ROADWAY. UPON COMPLETION, REOPEN NC 55 TO THE EXISTING PATTERN. (SEE SHEET TMP-2E FOR DETOUR ROUTE.)

USING A ONE (1) NIGHT ROAD CLOSURE, DETOUR EXISTING NC 55 AND COMPLETE 42" RCP DRAINAGE SYSTEM CROSS PIPE INSTALLATION, INCLUDING INSTALLATION OF DRAINAGE STRUCTURE NO. 1309 AT -LALT- STA. 65+40 +/-. COVER DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AND REPAIR THE EXISTING ROADWAY. UPON COMPLETION, REOPEN NC 55 TO THE EXISTING PATTERN. (SEE SHEET TMP-2F FOR DETOUR ROUTE.)

STEP 12:

AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), BEGIN CONSTRUCTION OF THE -Y- (PETTIGREW STREET) BRIDGE OVER -LALT-. (SEE SHEET TMP-9 AND LOCAL NOTE LN-02)

AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), BEGIN CONSTRUCTION OF THE NSRR BRIDGE OVER -LALT-. (SEE SHEET TMP-9 AND LOCAL NOTE LN-02)

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01. SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING:

- - LALT- FROM STA. 57+75 +/- TO STA. 63+30 +/- (RT). INCLUDING TEMPORARY PAVEMENT FROM STA. 59+11 +/- TO STA. 60+25 +/-- -Y21-
- NOTE MAINTAIN ACCESS TO -Y21- (EVA STREET) THROUGH THE WORK AREA DURING CONSTRUCTION.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 13 CONCURRENTLY WITH PHASE 1, STEPS 11, 12, 14 AND/OR 17 - 21. PHASE 1, STEP 13 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEPS 15 - 16.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 13 IN FOURTEEN (14) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES) NO WORK MAY OCCUR ALONG -Y17- (HOPKINS STREET) DURING ACTIVE SCHOOL DAYS. (SEE LOCAL NOTE LN-04, SHEET TMP-2A)

STEP 13:

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y17- (HOPKINS STREET) (SEE SHEET TMP-2T FOR DETOUR ROUTE), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y17-, INCLUDING COMPLETION OF -LALT- FROM STA. 53+88 +/- TO STA. 54+62 +/- (RT). IN CONJUNCTION WITH -LALT- WORK, CONSTRUCT TEMPORARY PAVEMENT (-LALT- STA. 53+70 +/- TO STA. 54+70 +/-, AND -LALT- STA. 54+30 +/- TO STA. 54+62 +/- [IN FUTURE BULB-OUT]) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y17-INTERSECTION. (SEE SHEET TMP-12)

UPON COMPLETION OF -Y17- AND ASSOCIATED -LALT- WORK, PLACE TEMPORARY MARKINGS ON -Y17- (AS SHOWN ON SHEET TMP-14), THEN REMOVE THE DETOUR AND REOPEN - Y17- TO THE TEMPORARY PATTERN.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 14 CONCURRENTLY WITH PHASE 1, STEPS 11 - 13 AND/OR 17 - 21. PHASE 1, STEP 14 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1. STEPS 15 - 16.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 14 IN SIXTY (60) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 14:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1029T4, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y18-(LIBERTY STREET). (SEE SHEET TMP-2T FOR DETOUR ROUTE)

UPON CLOSURE OF -Y18-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y18-, INCLUDING COMPLETION OF -LALT- FROM STA. 56+70 +/-TO STA. 57+75 +/- (RT). IN CONJUNCTION WITH -LALT- WORK, PLACE TEMPORARY WEDGING OVER THE PROPOSED -LALT- PAVEMENT AND CONSTRUCT TEMPORARY PAVEMENT (-LALT- STA. 56+70 +/- TO STA. 57+75 +/-, AND -LALT- STA. 57+36 +/-TO STA. 57+69 +/- [IN FUTURE BULB-OUT]) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y18- INTERSECTION. (SEE SHEET TMP-12)

UPON COMPLETION OF -Y18- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1029T5, PLACE TEMPORARY MARKINGS ON -Y18- (AS SHOWN ON SHEET TMP-14), THEN REMOVE THE DETOUR AND REOPEN -Y18- TO THE TEMPORARY PATTERN.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 15 CONCURRENTLY WITH PHASE 1, STEPS 11 - 12 AND/OR 16 - 21. AS DIRECTED BY OR UPON APPROVAL OF THE ENGINEER, PHASE 1, STEP 15 MAY BE COMBINED WITH PHASE 1, STEP 6. PHASE 1, STEP 15 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 10 OR STEPS 13 - 14.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 15 IN SEVEN (7) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES) NO WORK MAY OCCUR ALONG -Y15- (TAYLOR STREET) DURING ACTIVE SCHOOL DAYS. (SEE LOCAL NOTE LN-04, SHEET TMP-2A)

STEP 15:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-0228T4, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y15-(TAYLOR STREET). (SEE SHEET TMP-2R FOR DETOUR ROUTE)

UPON CLOSURE OF -Y15-. AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y15- FROM STA. 10+00 +/- TO STA. 10+75 +/-, INCLUDING COMPLETION OF -LALT- FROM STA. 48+25 +/- TO STA. 49+30 +/- (RT). IN CONJUNCTION WITH -LALT- WORK, PLACE TEMPORARY WEDGING OVER THE PROPOSED -LALT- PAVEMENT AND CONSTRUCT TEMPORARY PAVEMENT (-LALT- STA. 48+25 +/- TO STA. 49+30 +/-) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y15- INTERSECTION. (SEE SHEET TMP-13)

UPON COMPLETION OF -Y15- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-0228T5, PLACE TEMPORARY MARKINGS ON -Y15- (AS SHOWN ON SHEET TMP-17), THEN REMOVE THE DETOUR AND REOPEN -Y15- TO THE TEMPORARY PATTERN.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 16 CONCURRENTLY WITH PHASE 1, STEPS 11 - 12, 15, AND/OR 17 - 20. PHASE 1, STEP 16 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEPS 13, 14, OR 21.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 16 IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 16:

ADJUST PEDESTRIAN DETOUR SIGNING FOR CLOSURE OF THE SIDEWALK ON EXISTING NC 55 FROM MAIN STREET TO HOLLOWAY STREET (INSTALLED DURING PHASE 1, STEP 11) TO ROUTE PEDESTRIANS ALONG LIBERTY STREET DURING THE HOLLOWAY STREET CLOSURE. (SEE SHEET TMP-2Z FOR PEDESTRIAN DETOUR ROUTE)

WORKING IN A CONTINUOUS MANNER. AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1027T3, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y22-(HOLLOWAY STREET). (SEE SHEET TMP-2V FOR DETOUR ROUTE)

UPON CLOSURE OF -Y22-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y22- FROM STA. 14+09 +/- TO STA. 18+40 +/-, INCLUDING COMPLETION OF -LALT- FROM STA. 63+30 +/- TO STA. 64+25 +/- (RT) AND TEMPORARY PAVEMENT FROM -LALT- STA. 63+94 +/- TO STA. 64+25 +/-. IN CONJUNCTION WITH -LALT- WORK, PLACE TEMPORARY WEDGING OVER THE EXISTING PAVEMENT (-LALT- STA. 62+50 +/- TO STA. 64+00 +/-) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y22-INTERSECTION. (SEE SHEET TMP-14)

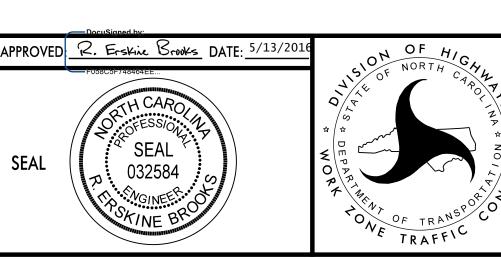
UPON COMPLETION OF -Y22- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1027T4, PLACE TEMPORARY MARKINGS ON -Y22- (AS SHOWN ON SHEET TMP-18), THEN REMOVE THE DETOUR AND REOPEN -Y22- TO THE TEMPORARY PATTERN.

STEP 17:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS 05-0228T6, 05-0284T4, 05-1026T3, 05-1027T5, 05-1028T2, 05-1029T6, AND 05 - 1030T3

COMPLETE CONSTRUCTION OF ALL PERMANENT PAVEMENT, TEMPORARY PAVEMENT, AND TEMPORARY WEDGING BEGUN EARLIER ON THE FOLLOWING LOCATIONS: (SEE SHEETS TMP-9 - TMP-12)

- -LALT- FROM STA. 13+20 +/- TO STA. 18+55 +/- (LT), INCLUDING -LALT- BRIDGE OVER -YA- (NC 147) (STAGE 1)
- (SEE LOCAL NOTE LN-01) - - LALT- FROM STA. 20+94 +/- TO STA. 40+56 +/- (LT) - -LALT- FROM STA. 41+50 +/- TO STA. 66+10 +/- (RT)
- -R1-- - Y9 -
- -Y11-- -Y21-



PHASING

PHASE 1 (CONTINUED)

COMPLETE PHASE 1, STEPS 18 - 21 CONCURRENTLY. UPON COMPLETION OF PHASE 1. STEPS 18 - 21, PROCEED DIRECTLY TO PHASE 2, STEP 1.

STEP 18:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE THE FOLLOWING IN THIS ORDER:

- 1. INSTALLATION AND ACTIVATION OF TEMPORARY SIGNALS 05-0228T6,
- 05-0284T4, 05-1026T3, 05-1027T5, 05-1028T2, AND 05-1029T6 2. INSTALL PCB IN THE FOLLOWING LOCATIONS: (SEE SHEETS TMP-15 - TMP-16)
 - - LALT- FROM STA. 14+90 +/- TO STA. 18+00 +/- (ANCHORED)
 - -LALT- FROM STA. 22+60 +/- TO STA. 24+80 +/-
 - -LALT- FROM STA. 36+00 +/- TO STA. 38+75 +/-
- 3. PLACE TEMPORARY PAVEMENT MARKINGS IN THE TEMPORARY PATTERN, AS SHOWN ON SHEETS TMP-15 - TMP-18. PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -R1- AS SHOWN ON SHEET TMP-15.
- 4. USING RSD 1101.03, SHEETS 1 AND 7 OF 9, CLOSE AND DETOUR -R4-AND -Y7-, (SEE SHEET TMP-2H AND TMP-2P FOR DETOUR ROUTES)
- 5. SHIFT TRAFFIC TO THE PHASE 2, STEP 1 PATTERN
- 6. REMOVE DETOURS AND REOPEN -Y9- AND -Y11-

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 19 CONCURRENTLY WITH PHASE 1, STEPS 11 - 18, 20, AND/OR 21.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 19 IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 19:

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -R3- (SEE SHEET TMP-2H FOR DETOUR ROUTE), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE THE FOLLOWING: (SEE SHEET TMP-9)

- -LALT- FROM STA. 18+55 +/- TO STA. 19+98 +/-- -R3- FROM STA. 10+90 +/- TO STA. 13+60 +/-

UPON COMPLETION OF -R3- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), PLACE TEMPORARY MARKINGS AND OPEN -R3- TO THE PHASE 2, STEP 1 PATTERN.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 20 CONCURRENTLY WITH | PHASE 1. STEPS 11 - 19 AND/OR 21.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 20 IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 20:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1030T2, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y4- (E. MAIN STREET). (SEE SHEET TMP-2M FOR DETOUR ROUTE)

UPON CLOSURE OF -Y4-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, CONDUCT WORK IN THE FOLLOWING SEQUENCE: (SEE SHEET TMP-10)

- 1. PLACE PCB ALONG -LALT- FROM STA. 36+00 +/- TO STA. 38+75 +/-.
- 2. INSTALL SHORING NO. 4.
- 3. COMPLETE RECONSTRUCTION OF -Y4-, INCLUDING COMPLETION OF -LALT-FROM STA. 36+00 +/- TO STA. 37+40 +/-.

UPON COMPLETION OF -Y4- RECONSTRUCTION AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE THE FOLLOWING AND PROCEED DIRECTLY TO PHASE 2, STEP 1:

- INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1030T3 - PLACE TEMPORARY MARKINGS ON -Y4- (AS SHOWN ON SHEET TMP-16)
- CLOSE AND DETOUR -Y5- (MAIN STREET) (SEE SHEET TMP-2M FOR DETOUR)
- SHIFT NC 55 TRAFFIC TO THE PHASE 2, STEP 1 PATTERN
- REMOVE DETOUR AND REOPEN -Y4- TO THE PHASE 2, STEP 1 PATTERN

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 21 CONCURRENTLY WITH PHASE 1, STEPS 11 - 15 AND/OR 17 - 20. PHASE 1, STEP 21 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 16.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 21 DURING A WEEKEND OPERATION. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 21:

CLOSE AND DETOUR NC 55 (SEE SHEET TMP-2F FOR DETOUR ROUTE), THEN AWAY FROM TRAFFIC, COMPLETE RECONSTRUCTION OF -LALT- FROM STA. 64+25 +/- TO STA. 66+10 +/- (10' LT - 6' RT). (SEE SHEET TMP-14)

UPON COMPLETION OF -LALT-, PLACE TEMPORARY MARKINGS AND REOPEN NC 55 TO THE PHASE 2, STEP 1 PATTERN.

UPON COMPLETION OF PHASE 1, STEPS 18 - 21, OPEN NEW SIDEWALKS COMPLETED DURING PHASE 1 CONSTRUCTION AND REMOVE OR COVER PEDESTRIAN SIGNING INSTALLED FOR PEDESTRIAN DETOURS.

PHASE 2 (SHEETS TMP-15 - TMP-18)

BEGIN PHASE 2, STEPS 1 - 2 CONCURRENTLY. BEGIN PHASE 2, STEPS 1 - 2 DIRECTLY FOLLOWING COMPLETION OF PHASE 1, STEPS 18 - 20.

STEP 1:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS 05-0228T7, 05-0284T5, 05-1026T4, 05-1027T6, 05-1028T3, AND 05-1029T7.

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 2 AND 3 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-15 - TMP-18)

- - LALT- FROM STA. 13+38 +/- TO STA. 20+00 +/- (RT),
 - INCLUDING THE FOLLOWING: > REMOVAL OF THE EAST SIDE OF THE EXISTING NC 55 BRIDGE OVER
 - -YA- (NC 147) (SEE LOCAL NOTE LN-01) > STAGE 2 OF THE NEW -LALT- BRIDGE OVER -YA-
 - (SEE LOCAL NOTE LN-01)
 - > ASPHALT WEDGING FROM -LALT- STA. 13+38 +/- TO STA. 15+00 +/-
- - LALT- FROM STA. 21+00 +/- TO STA. 31+00 +/- (RT) - -LALT- FROM STA. 32+00 +/- TO STA. 36+00 +/- (RT)
- - LALT- FROM STA. 37+20 +/- TO STA. 41+50 +/- (RT), INCLUDING
- TEMPORARY PAVEMENT FROM -LALT- STA. 38+66 +/- TO STA. 41+25 +/-,
- TEMPORARY PAVEMENT FROM -LALT- STA. 40+95 +/- TO STA. 41+25 +/-
- - LALT- FROM STA. 49+46 +/- TO STA. 53+70 +/- (LT)
- -LALT- FROM STA. 54+70 +/- TO STA. 56+70 +/- (LT)
- - LALT- FROM STA. 57+75 +/- TO STA. 63+30 +/- (LT)
- -LALT- FROM STA. 64+25 +/- TO STA. 66+10 +/- (LT)
- -R2-, INCLUDING ASPHALT WEDGING
- (USING DETOUR, AS SHONW ON SHEET TMP-2G, AS NEEDED)
- (SEE LOCAL NOTE LN-01, SHEET TMP-2A)
- - NSN- FROM STA. 20+12 +/- TO STA. 21+95 +/- (BRIDGE)
- -Y- FROM STA. 17+05 +/- TO STA. 17+85 +/- (BRIDGE)
- - Y7 -

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y16- (HOPKINS STREET), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-18 AND LOCAL NOTE LN-06)

- (SEE SHEET TMP-2S FOR DETOUR ROUTE.) - - LALT- FROM STA. 53+70 +/- TO STA. 54+70 +/-
 - -Y16- FROM STA. 10+35 +/- TO STA. 10+60 +/-
 - TEMPORARY PAVEMENT FROM -LALT- STA. 53+70 +/- TO STA. 54+70 +/-
 - TO PROVIDE A TEMPORARY CONNECTION ACROSS THE MEDIAN

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 2 IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND |LIQUIDATED DAMAGES)

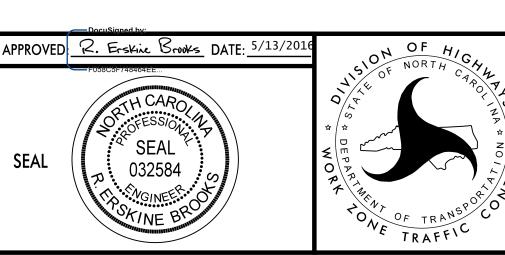
STEP 2:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY. COMPLETE RECONSTRUCTION OF -Y5- (MAIN STREET), INCLUDING COMPLETION OF -LALT- FROM STA. 36+00 +/-TO STA. 37+20 +/-. (SEE SHEET TMP-16)

WHEN REQUIRED, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, REMOVE TEMPORARY SHORING NO. 4, REMOVE PCB, AND COMPLETE NEW ROADWAY ADJACENT TO -LALT- ROADWAY COMPLETED IN PHASE 1.

UPON COMPLETION OF -Y5- RECONSTRUCTION AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE THE FOLLOWING:

- INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1030T4
- PLACE TEMPORARY MARKINGS ON -Y5- (AS SHOWN ON SHEET TMP-20) - REMOVE DETOUR AND REOPEN -Y5- TO THE TEMPORARY PATTERN



PHASING

PHASE 2 (CONTINUED)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 2, STEP 3 CONCURRENTLY WITH PHASE 2, STEPS 1, 2, AND/OR 4 - 11. PHASE 2, STEP 3 MAY NOT BE COMPLETED CONCURRENTLY WITH WORK AS NOTED IN LOCAL NOTE LN-01 (SEE SHEET TMP-2A).

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 3 IN FOURTEEN (14) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 3:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-0284T5, THEN CLOSE AND DETOUR -R5-. (SEE SHEET TMP-2H FOR DETOUR ROUTE)

UPON CLOSURE OF -R5-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -R5-, INCLUDING COMPLETION OF -LALT- FROM STA. 20+00 +/-TO STA. 21+00 +/- (RT). (SEE SHEET TMP-15)

UPON COMPLETION OF -R5- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS. LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-0284T6, PLACE TEMPORARY MARKINGS ON -R5- (AS SHOWN ON SHEET TMP-19), THEN REMOVE THE DETOUR AND REOPEN -R5- TO THE TEMPORARY PATTERN.

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 2, STEP 4 CONCURRENTLY WITH PHASE 2, STEPS 1 - 3, 5, 6, 8, AND/OR 10 - 11. PHASE 2, STEP 4 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 2, STEPS 7 OR 9.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 4 IN FOURTEEN (14) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 4:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1029T7, THEN CLOSE AND DETOUR -Y18- (LIBERTY STREET). (SEE SHEET TMP-2S FOR DETOUR ROUTE)

USING RSD 1101.03, SHEET 1 OF 9, UPON CLOSURE OF -Y18-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y18-, INCLUDING COMPLETION OF -LALT-FROM STA. 56+70 +/- TO STA. 57+75 +/- (LT). (SEE SHEET TMP-18)

UPON COMPLETION OF -Y18- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1029T8, PLACE TEMPORARY MARKINGS ON -Y18- (AS SHOWN ON SHEET TMP-22), THEN REMOVE THE DETOUR AND REOPEN -Y18- TO THE TEMPORARY PATTERN.

STEP 5:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNAL 05-1030T5.

COMPLETE CONSTRUCTION OF -LALT- FROM STA. 37+20 +/- TO STA. 41+50 +/-AND -Y7- BEGUN EARLIER.

COMPLETE CONSTRUCTION OF -LALT- FROM STA. 53+70 +/- TO STA. 54+70 +/-AND -Y16- BEGUN EARLIER.

COMPLETE CONSTRUCTION OF -Y- AND -Y3A- BEGUN EARLIER.

STEP 6:

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AS NECESSARY, INSTALL TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN ON -Y- AND -Y3A-, THEN OPEN -Y- AND -Y3A- TO THE FINAL PATTERN, AS SHOWN ON SHEET TMP-19.

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY. COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1030T5, INSTALL TEMPORARY PAVEMENT MARKINGS ON -LALT- FROM STA. 36+00 +/- TO STA. 47+68 +/-, -Y7-, AND -Y16- (AS SHOWN ON SHEETS TMP-20 - TMP-22), REOPEN -Y7- AND -Y16-, THEN SHIFT TRAFFIC TO THE TEMPORARY PATTERN ON -LALT-.

PHASE 2 (SHEETS TMP-19 - TMP-24)

STEP 7:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS 05-0284T7 AND 05-1028T3.

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF FINAL SIGNALS 05-1029 AND 05-1030.

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1026T4, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y2-(ANGIER AVENUE). (SEE SHEET TMP-2L FOR DETOUR ROUTE.) UPON CLOSURE OF -Y2-, USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEET 1 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-20 -TMP-21 AND LOCAL NOTE LN-05)

- - LALT- FROM STA. 31+00 +/- TO STA. 32+00 +/-

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y6- (MORNING GLORY AVENUE), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEET 1 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-20 - TMP-21 AND LOCAL NOTE LN-05) (SEE SHEET TMP-20 FOR DETOUR ROUTE.)

- -LALT- FROM STA. 39+00 +/- TO STA. 41+25 +/-

- TEMPORARY PAVEMENT FROM -LALT- STA. 40+20 +/- TO STA. 41+25 +/-TO PROVIDE A TEMPORARY CONNECTION ACROSS THE MEDIAN

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y14- (TAYLOR STREET), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEET 1 OF 15) AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-0228T7, THEN BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-21) (SEE SHEET TMP-2S FOR DETOUR ROUTE)

- -LALT- FROM STA. 48+30 +/- TO STA. 49+46 +/-

- -Y14-

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-21)

- - LALT- FROM STA. 41+25 +/- TO STA. 42+50 +/- (LT)

- - LALT- FROM STA. 47+25 +/- TO STA. 48+30 +/- (LT)

STEP 8:

COMPLETE CONSTRUCTION OF -LALT- FROM STA. 39+00 +/- TO STA. 41+25 +/- AND -Y6- BEGUN EARLIER. UPON COMPLETION, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, PLACE TEMPORARY MARKINGS (AS SHOWN ON SHEET TMP-23), THEN REMOVE THE DETOUR AND REOPEN -Y6- TO THE TEMPORARY PATTERN.

COMPLETE CONSTRUCTION OF -LALT- FROM STA. 48+30 +/- TO STA. 49+46 +/- AND -Y14- BEGUN EARLIER. UPON COMPLETION, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-0228T8, PLACE TEMPORARY MARKINGS ON -Y14- (AS SHOWN ON SHEET TMP-23), THEN REMOVE THE DETOUR AND REOPEN -Y14- TO THE TEMPORARY PATTERN.

DURING A NIGHT OPERATION FROM 8:00 PM UNTIL 6:00 AM THE FOLLOWING MORNING, AND USING FLAGGERS. LANE CLOSURES (RSD 1101.02. SHEETS 1 AND 3 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE CLOSURE POUR ON THE NC 55 BRIDGE OVER NC 147, AS SHOWN ON SHEET TMP-19. (REPEAT NIGHT OPERATION AS NECESSARY UNTIL COMPLETION OF THE CLOSURE POUR.)

NOTE - A NIGHT, ONE-LANE OPERATION SHALL BE USED IN ORDER TO MINIMIZE VIBRATIONS ON THE BRIDGE DURING PLACEMENT OF THE CONCRETE CLOSURE POUR

NPPROVED R. Erskie Brooks DATE: 5/13/20 **SEAL** 032584



PHASING

PHASING

PHASE 2 (CONTINUED)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 2, STEP 9 UPON COMPLETION OF PHASE 2, STEP 8. PHASE 2, STEP 9 MAY NOT BE COMPLETED DURING CLOSURES OF -Y14-, -Y16-, OR -Y18-.

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 9 IN FOURTEEN (14) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 9:

INSTALL PEDESTRIAN DETOUR SIGNING FOR CLOSURE OF THE SIDEWALK ON HOLLOWAY STREET FROM NC 55 TO EVA STREET. (SEE SHEET TMP-2AA FOR PEDESTRIAN DETOUR ROUTE)

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1027T6, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y22-(HOLLOWAY STREET). (SEE SHEET TMP-2U FOR DETOUR ROUTE)

UPON CLOSURE OF -Y22-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -Y22-, INCLUDING COMPLETION OF -LALT- FROM STA. 63+30 +/-TO STA. 64+25 +/- (RT). (SEE SHEET TMP-22)

UPON COMPLETION OF -Y22- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1027T7, PLACE TEMPORARY MARKINGS ON -Y22- (AS SHOWN ON SHEET TMP-24), THEN REMOVE THE DETOUR AND REOPEN -Y22- TO THE TEMPORARY PATTERN.

ADJUST AND REVISE PEDESTRIAN DETOUR SIGNING ON -Y22- (HOLLOWAY STREET) (FROM ELIZABETH STREET TO ALSTON AVENUE) TO MAINTAIN CLOSURE OF THE CROSSWALK ON THE SOUTH LEG OF THE ALSTON AVENUE / HOLLOWAY STREET INTERSECTION, AS SHOWN ON SHEET TMP-24. MAINTAIN CLOSURE OF THIS CROSSWALK UNTIL COMPLETION OF THE NC 55 NB RIGHT-TURN CHANNELIZATION ISLAND IN PHASE 3, STEP 1.

STEP 10:

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF FINAL SIGNALS 05-0228, 05-1026, AND 05-1027.

CLOSE -Y8- (WORTH STREET), -Y10- (FRANKLIN STREET), AND -Y12- (WALL STREET) TO THROUGH TRAFFIC, THEN USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEET 1 OF 15) AS NECESSARY, COMPLETE CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-23)

- - LALT- FROM STA. 42+50 +/- TO STA. 47+25 +/-
- -Y10-- -Y12-

NOTE - MAINTAIN CLOSURE OF THROUGH TRAFFIC ON -Y8-, -Y10-, AND -Y12-UNTIL TRAFFIC IS SHIFTED TO THE FINAL PATTERN IN PHASE 3.

COMPLETE ALL WORK BEGUN EARLIER IN THE FOLLOWING LOCATIONS:

- - LALT- FROM STA. 13+50 +/- TO STA. 35+82 +/- (RT)
- -LALT- FROM STA. 41+25 +/- TO STA. 42+50 +/- (LT) - -LALT- FROM STA. 47+25 +/- TO STA. 66+10 +/- (LT)
- -R2-
- -R4-
- -Y2-
- -NSN-/-NSS- RAIL LINES

STEP 11:

SHIFT ALL RAIL TRAFFIC TO -NSN-/-NSS- TRACKS, THEN COMPLETE THE FOLLOWING: (SEE SHEET TMP-19)

- REMOVE RAIL DETOUR TRACKS
- REMOVE TEMPORARY SPAN ON -CSX- BRIDGE OVER -LALT-
- COMPLETE FINAL SPAN ON -CSX- BRIDGE OVER -LALT-(SEE LOCAL NOTE LN-02, SHEET TMP-2A)

UPON COMPLETION OF -CSX- BRIDGE, OPEN ALL TRACKS TO RAIL TRAFFIC.

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE THE FOLLOWING IN THIS ORDER:

- 1. COMPLETE INSTALLATION OF AND ACTIVATE FINAL SIGNALS 05-0228, 05-0284, 05-1026, 05-1027, 05-1028, 05-1029, AND 05-1030
- 2. PLACE TEMPORARY PAVEMENT MARKINGS IN THE FINAL PATTERN ON -LALT-WHERE NOTED AND ON ALL -Y- LINES, AS SHOWN ON SHEETS TMP-25 -TMP-28. PLACE TEMPORARY MARKINGS IN A TEMPORARY PATTERN ON -LALT- WHERE SHOWN.
- 3. REOPEN -R4- AND -Y2-, THEN SHIFT TRAFFIC TO THE PHASE 3, STEP 1 PATTERN.

PHASE 3

STEP 1:

USING LANE CLOSURES (RSD 1101.02, SHEET 3 OF 15) AS NECESSARY, COMPLETE ALL MEDIAN ISLANDS (CONCRETE AND LANDSCAPED) ON -LALT- FROM STA. 17+66 +/- TO STA. 63+17 +/-. (SEE SHEETS TMP-25 - TMP-28)

STEP 2:

INSTALL PEDESTRIAN DETOUR SIGNING FOR CLOSURE OF THE SIDEWALK ON NC 55 FROM HOLLOWAY STREET TO GILBERT STREET. (SEE SHEET TMP-2AB FOR PEDESTRIAN DETOUR ROUTE)

USING LANE CLOSURES (RSD 1101.02, SHEET 4 OF 15), REMOVE TEMPORARY GUARDRAIL ALONG -YA- (NC 147) UNDER THE NEW -LALT- (NC 55) BRIDGE, AND INSTALL PERMANENT GUARDRAIL (AS SHOWN ON SHEET TMP-25).

USING LANE CLOSURES (RSD 1101.02, SHEET 3 OF 15) AS NECESSARY, COMPLETE ALL REMAINING CONSTRUCTION ON THÉ -LALT- BRIDGE OVER -YA- (NC 147).

USING LANE CLOSURES (RSD 1101.02, SHEET 3 OF 15) AS NECESSARY, COMPLETE ALL REMAINING CONSTRUCTION IN THE FOLLOWING LOCATIONS: (SEE SHEETS TMP-25, TMP-27, AND TMP-28)

- - LALT- FROM STA. 14+58 +/- TO STA. 15+35 +/- (LT) - -LALT- FROM STA. 17+62 +/- TO STA. 18+41 +/- (LT),
- INCLUDING REMAINING WORK ON -R3-
- -LALT- / -Y7- INTERSECTION (NE QUADRANT)
- -LALT- / -Y15- INTERSECTION (NE QUADRANT)
- -LALT- / -Y17- INTERSECTION (NE QUADRANT) - -LALT- / -Y18- INTERSECTION (NE QUADRANT)
- -LALT- / -Y22- INTERSECTION (NE QUADRANT)

STEP 3:

USING FLAGGERS, LANE CLOSURES (RSD 1101.02, ALL SHEETS), AND LAW ENFORCEMENT AS NECESSARY, PLACE FINAL LAYER OF ASPHALT SURFACE COURSE ON ALL ROADS.

USING FLAGGERS, LANE CLOSURES (RSD 1101.02, ALL SHEETS), AND LAW ENFORCEMENT AS NECESSARY, PLACE ALL FINAL PAVEMENT MARKINGS AND MARKERS, THEN OPEN ALL LANES TO THE FINAL PATTERN.

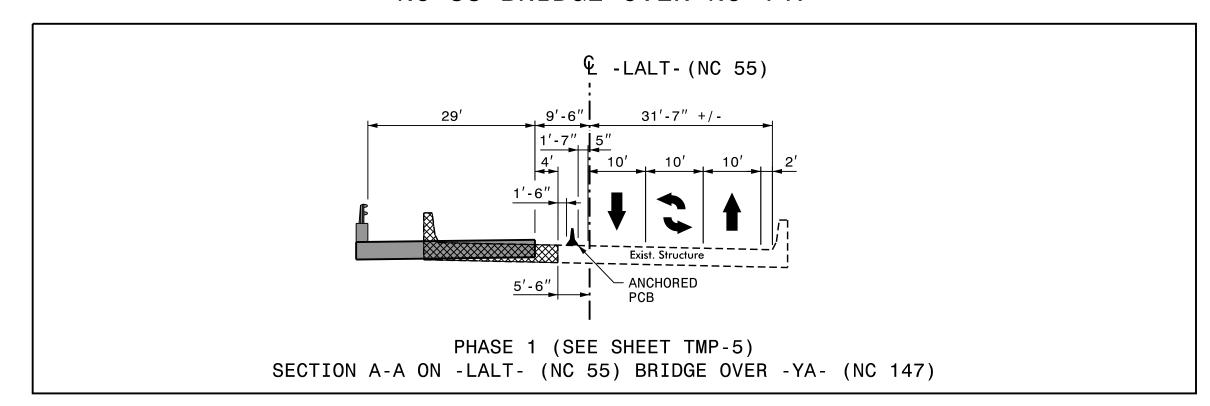
REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES.

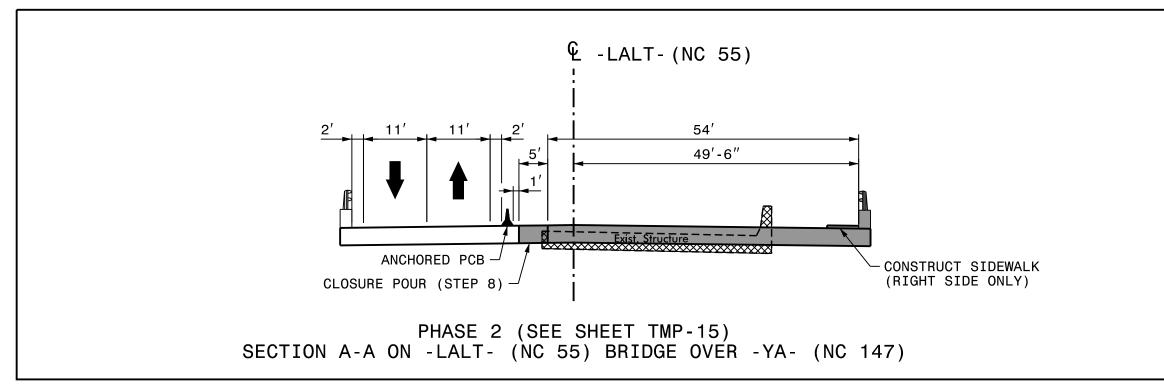
APPROVED R. Erskie Brooks DATE: 5/13/20 **SEAL** 032584

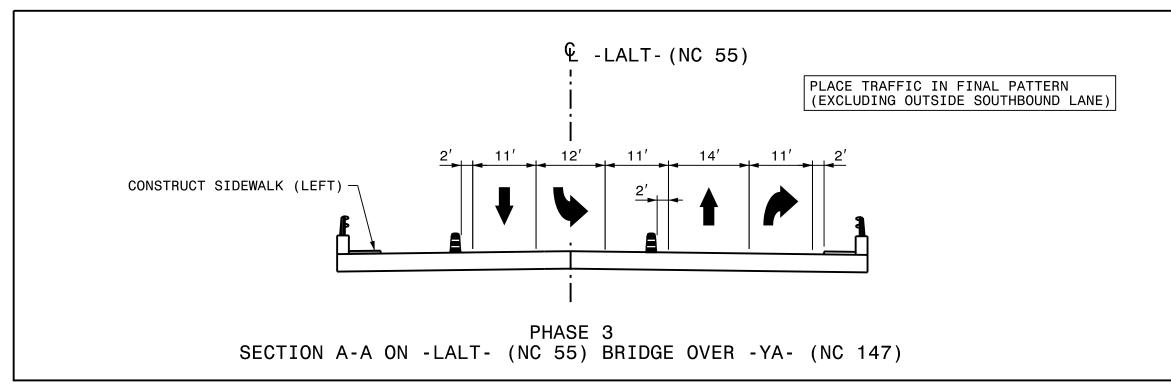


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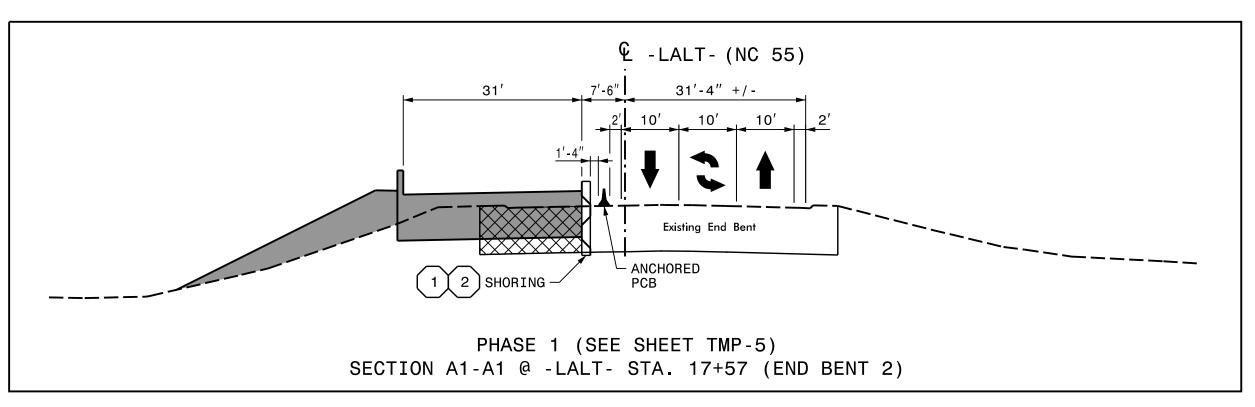
NC 55 BRIDGE OVER NC 147

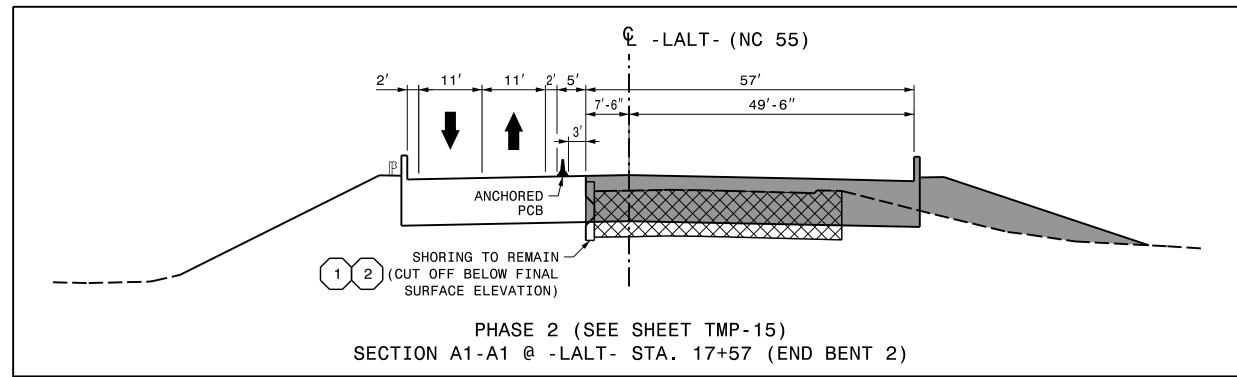


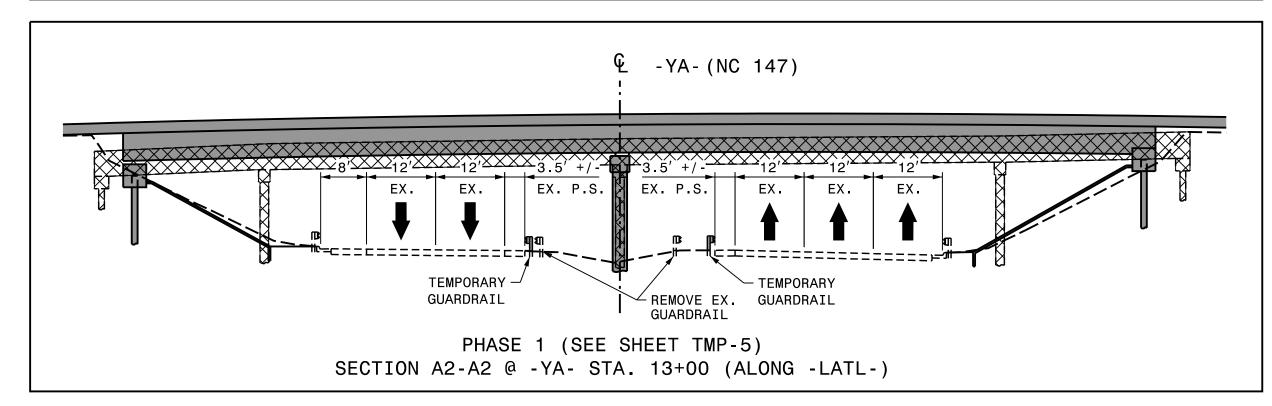




NC 55 BRIDGE OVER NC 147







Throoks

DATE: 5/12/2016

TIME

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APPROVED R. Erskie Brooks DATE: 5/13/2016

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ORDER DATE: 5/13/2016

SEAL

ORDER DATE: 5/13/2016

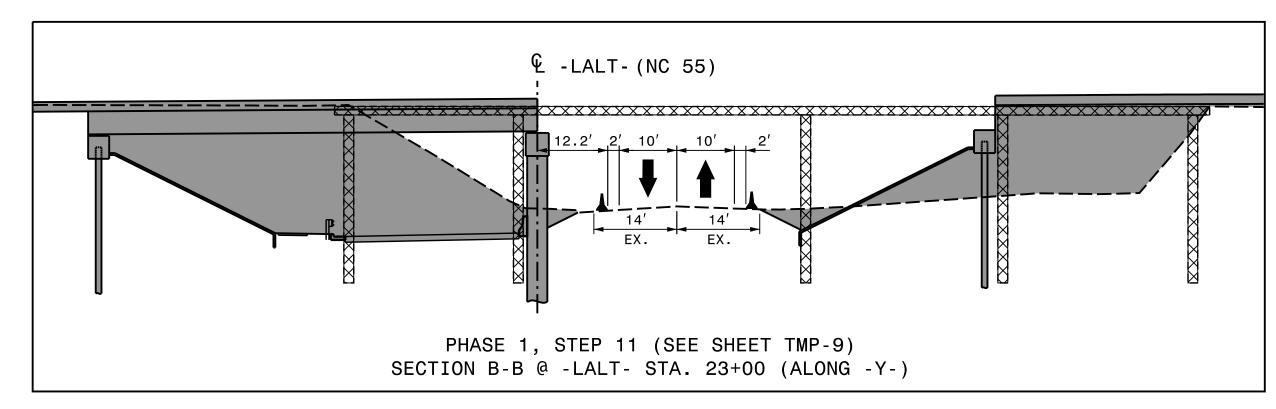


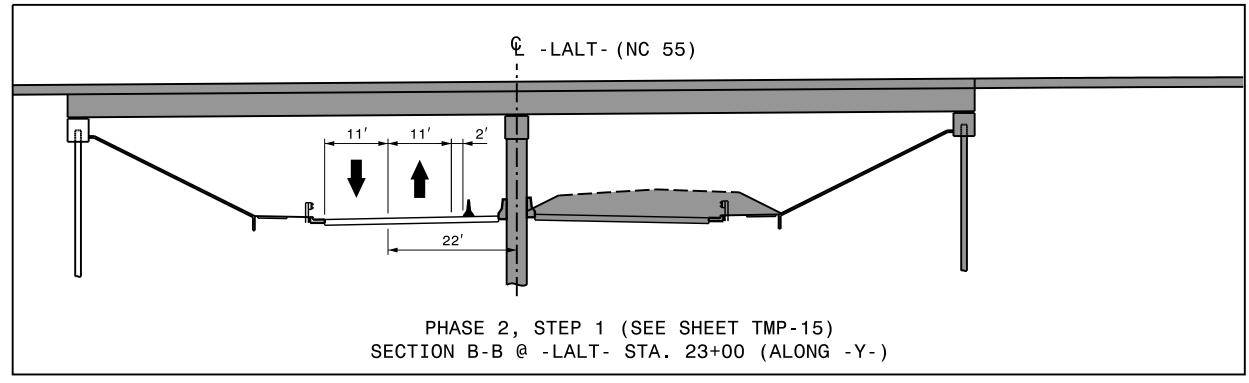
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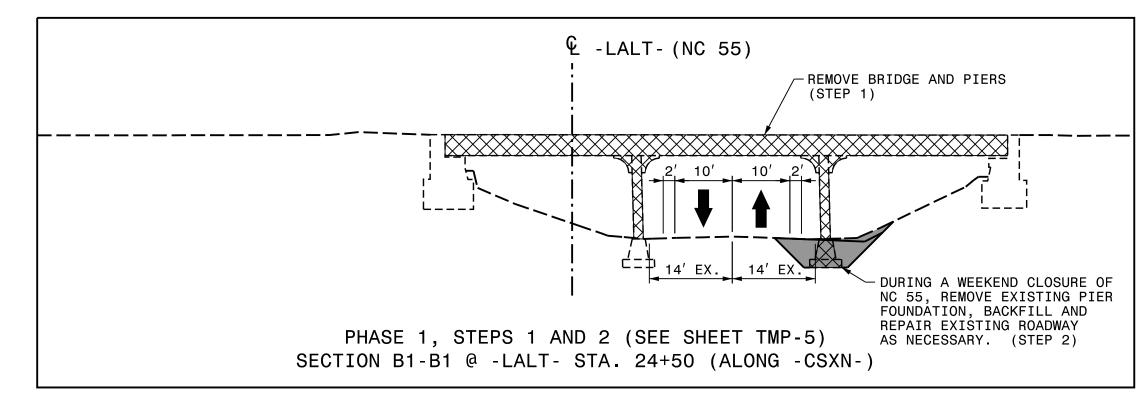
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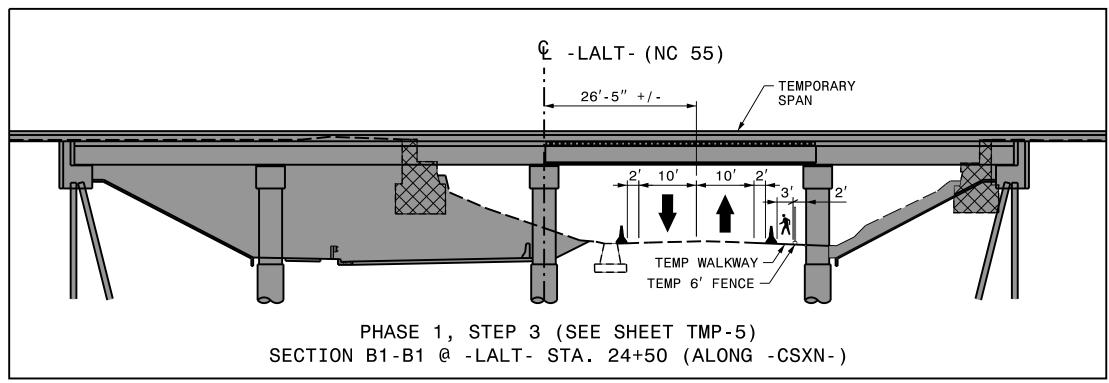
PETTIGREW STREET BRIDGE OVER NC 55

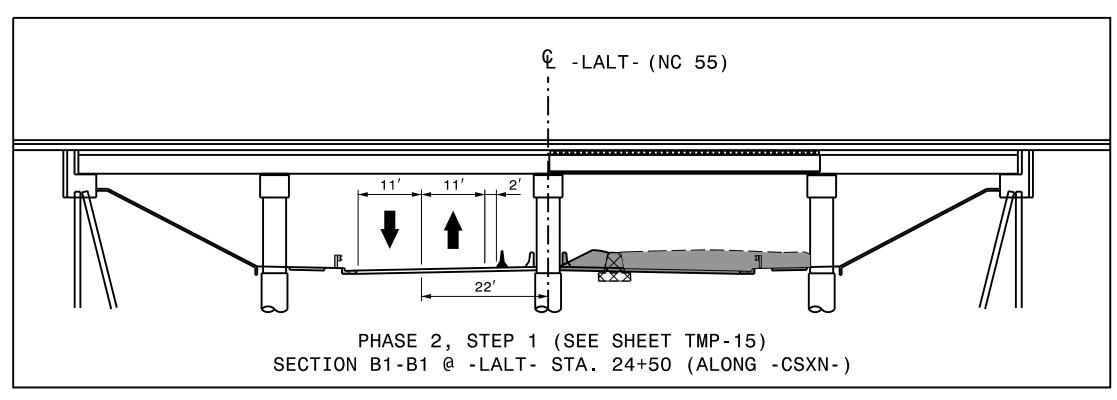


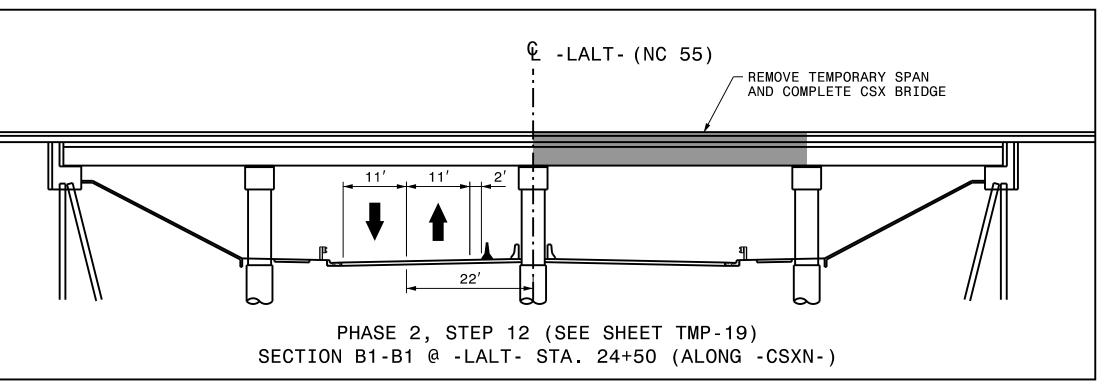


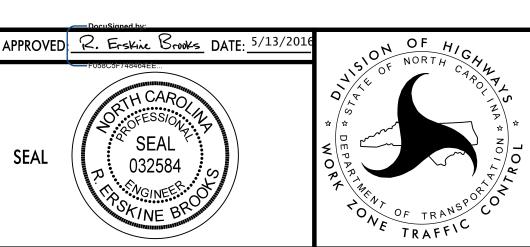
CSX BRIDGE OVER NC 55





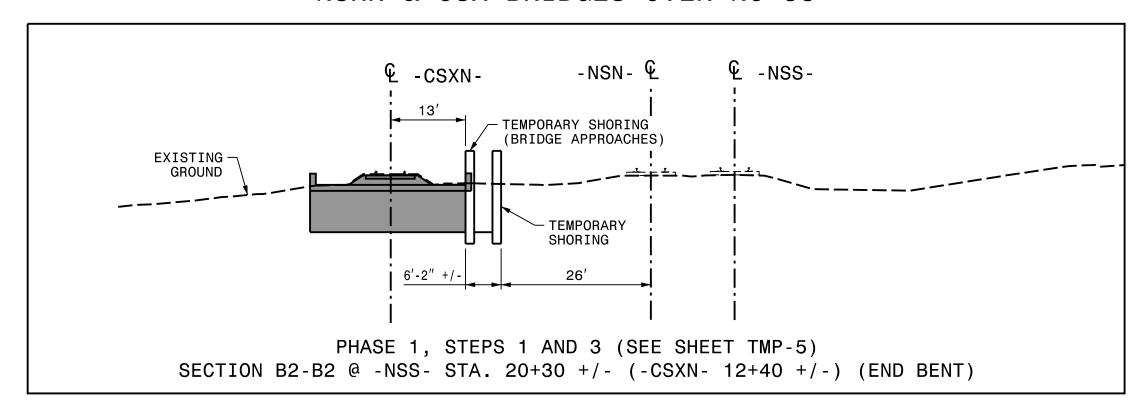


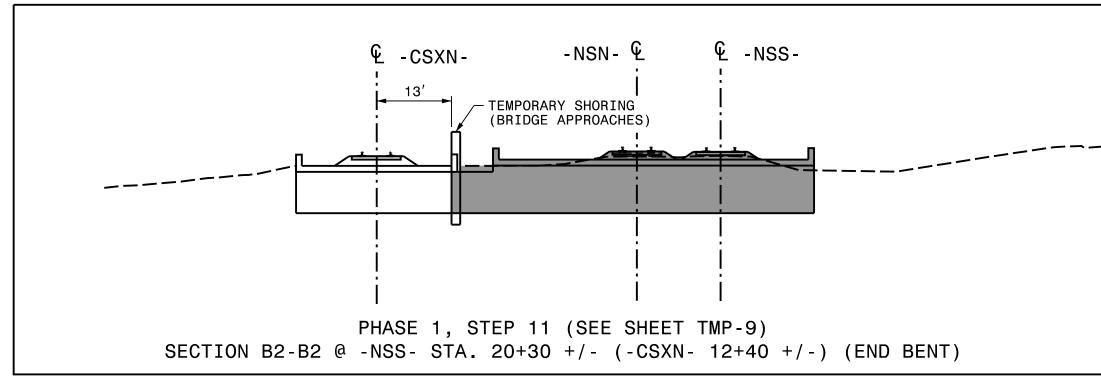


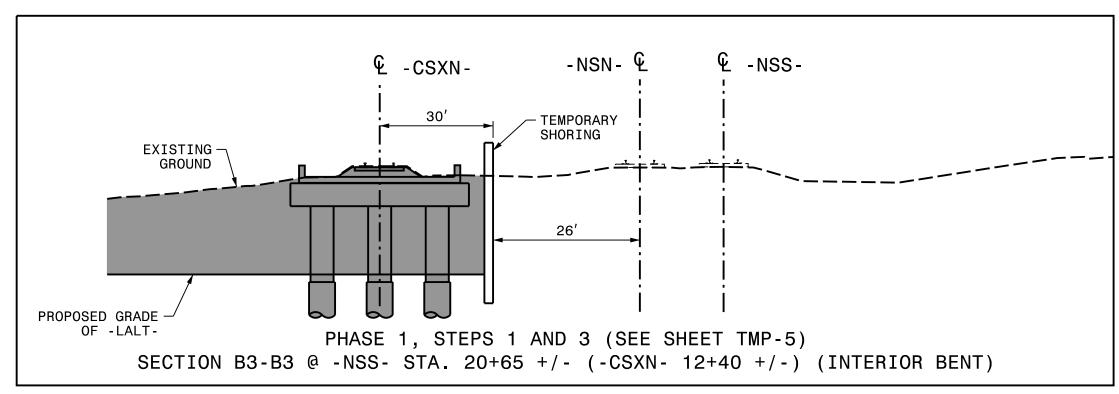


-LALT- & -Y- BRIDGE STAGING TYPICALS

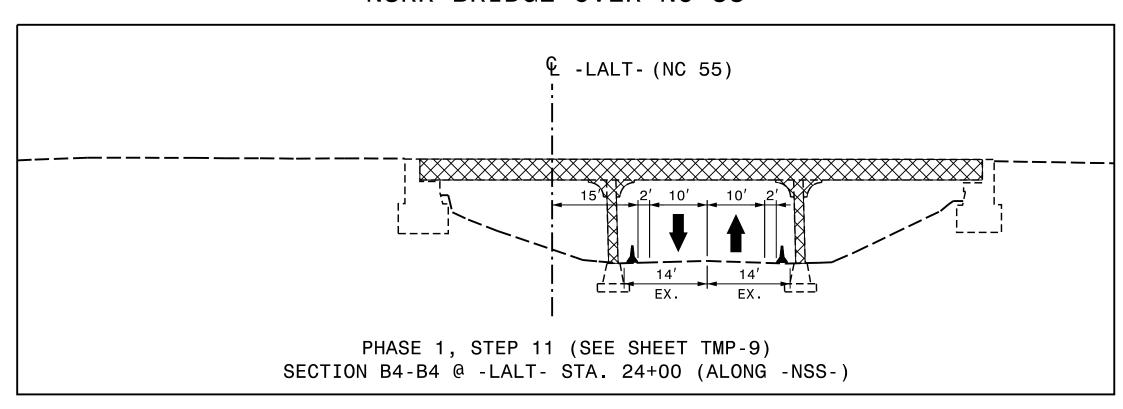
NSRR & CSX BRIDGES OVER NC 55

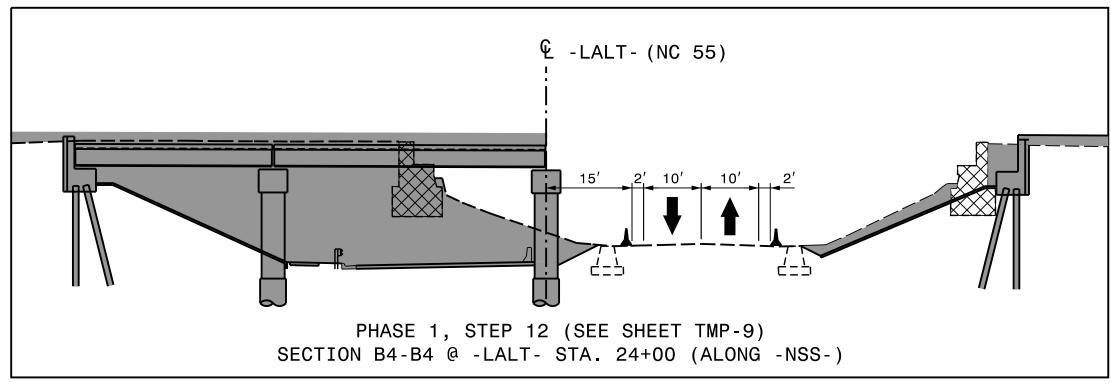


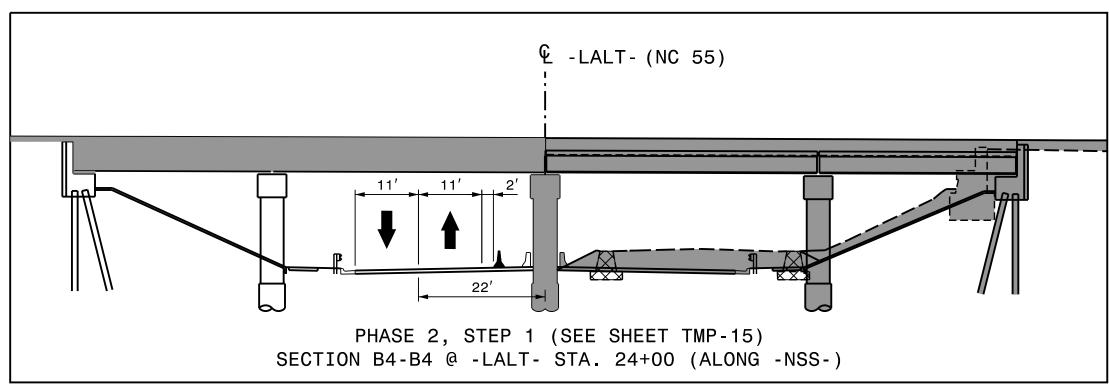




NSRR BRIDGE OVER NC 55





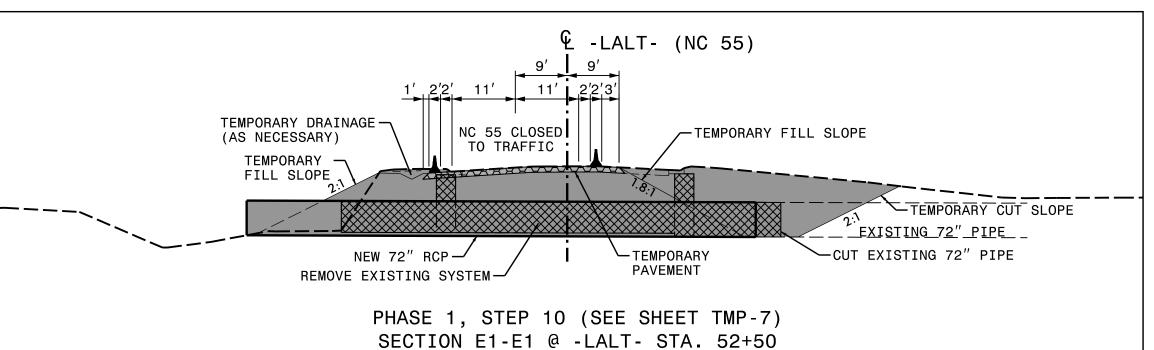


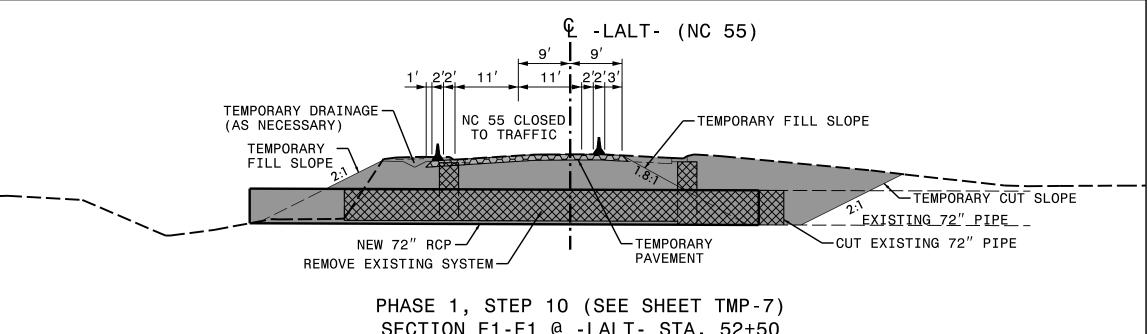
APPROVED R. Erskie Brooks DATE: 5/13/201

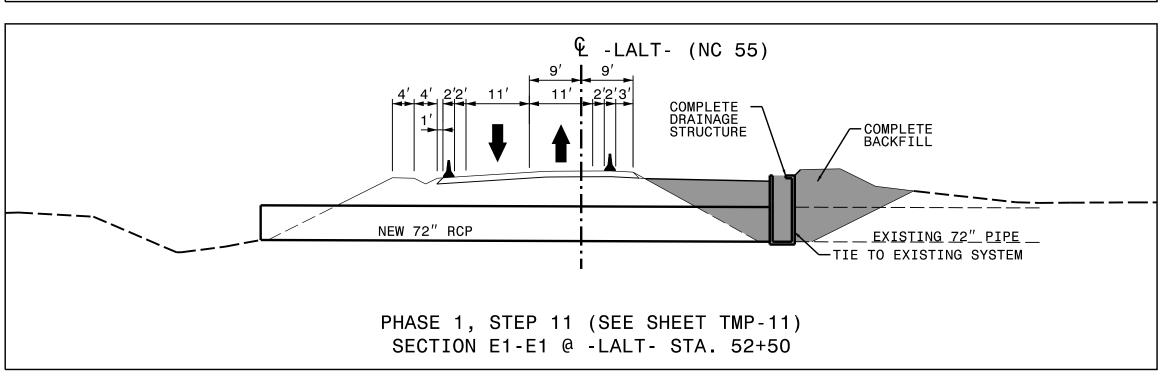


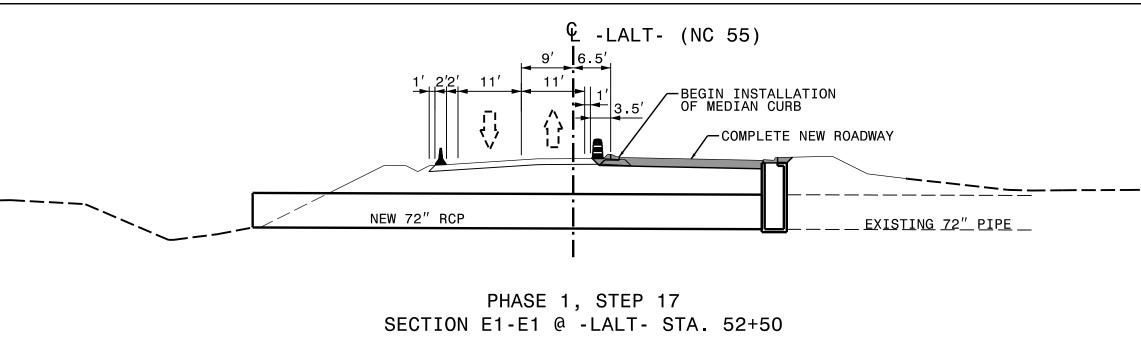
CSX & NSRR BRIDGE STAGING TYPICALS

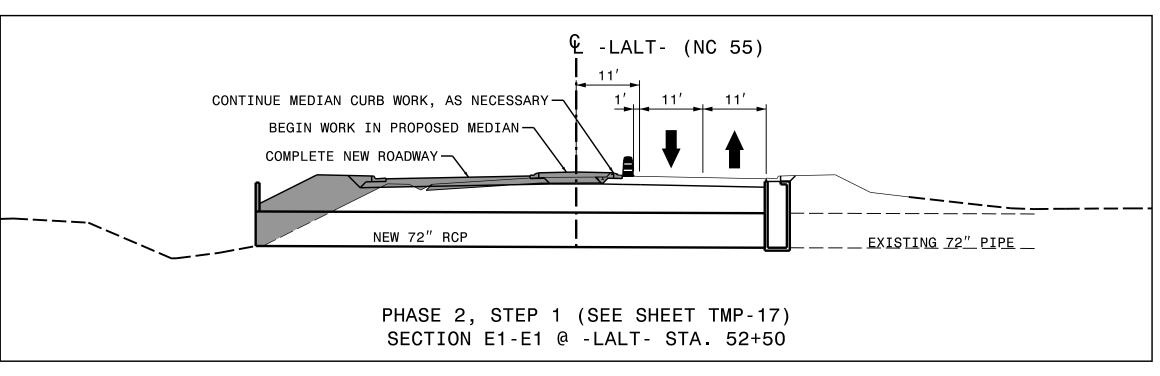
CULVERT UNDER -LALT- (NC 55)

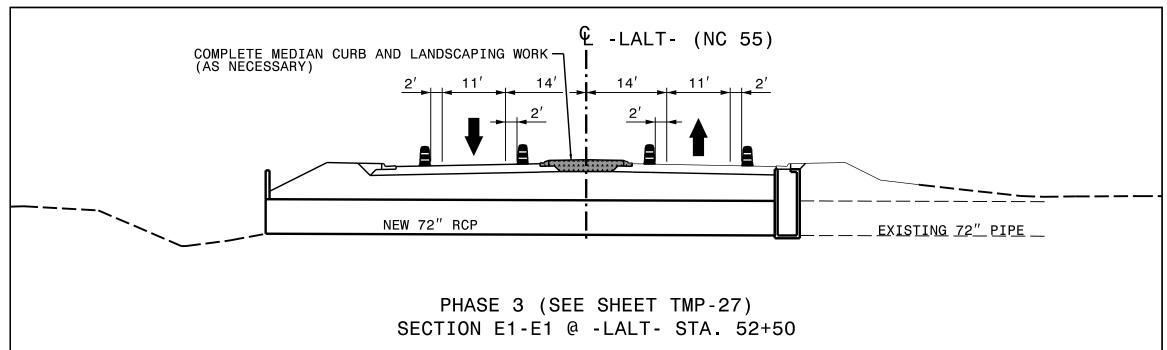












DURING A WEEKEND OPERATION (PHASE 1, STEP 10) COMPLETE THE FOLLOWING:

1. DETOUR AND CLOSE NC 55

2. DAM OR DIVERT EXISTING STREAM FLOW AS NECESSARY

3. REMOVE THE EXISTING CULVERT AND DRAINAGE STRUCTURES
4. PLACE NEW 72" RCP AND ADJACENT 30" RCP (-LALT- STA. 52+28) 5. TEMPORARILY CONNECT NEW 72" RCP WITH EXISTING SYSTEM, AS NECESSARY

6. REMOVE STREAM DIVERSIONS

7. BACKFILL AND REPAIR NC 55 WITH TEMPORARY FILL SLOPES

8. PLACE TEMPORARY PAVEMENT AT EXISTING ELEVATION AND GRADE 9. PLACE TEMPORARY MARKINGS AND PCB

10. REOPEN NC 55 TO 2-LANE, 2-WAY TRAFFIC PATTERN (PHASE 1, STEP 11)

AWAY FROM TRAFFIC AND BEHIND PCB, COMPLETE THE FOLLOWING:

- 1. 72" CATCH BASIN STRUCTURE (TIE TOGETHER NEW AND EXISTING SYSTEMS)
- 2. BACKFILL AROUND STRUCTURE AND UP TO PROPOSED SUBGRADE

AWAY FROM TRAFFIC AND USING LANE CLOSURES, COMPLETE THE FOLLOWING:

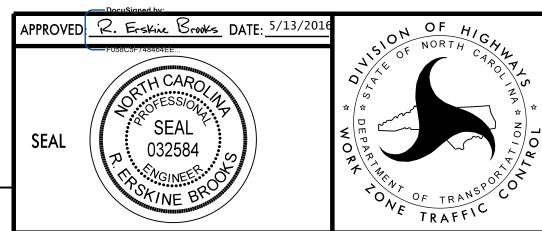
- 1. REMOVE PCB
- 2. COMPLETE PROPOSED ROADWAY AND CURB AND GUTTER AS SHOWN

AWAY FROM TRAFFIC AND USING LANE CLOSURES, COMPLETE THE FOLLOWING:

- 1. SHIFT TRAFFIC TO TEMPORARY PATTERN
- 2. COMPLETE PROPOSED ROADWAY AND CURB AND GUTTER AS SHOWN

AWAY FROM TRAFFIC AND USING LANE CLOSURES, COMPLETE THE FOLLOWING:

- 1. SHIFT TRAFFIC TO TEMPORARY PATTERN
- 2. COMPLETE ALL REMAINING MEDIAN WORK



-LALT- CULVERT STAGING TYPICALS

PROJ. REFERENCE NO.

U-3308

SHEET NO.

TMP-4C

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