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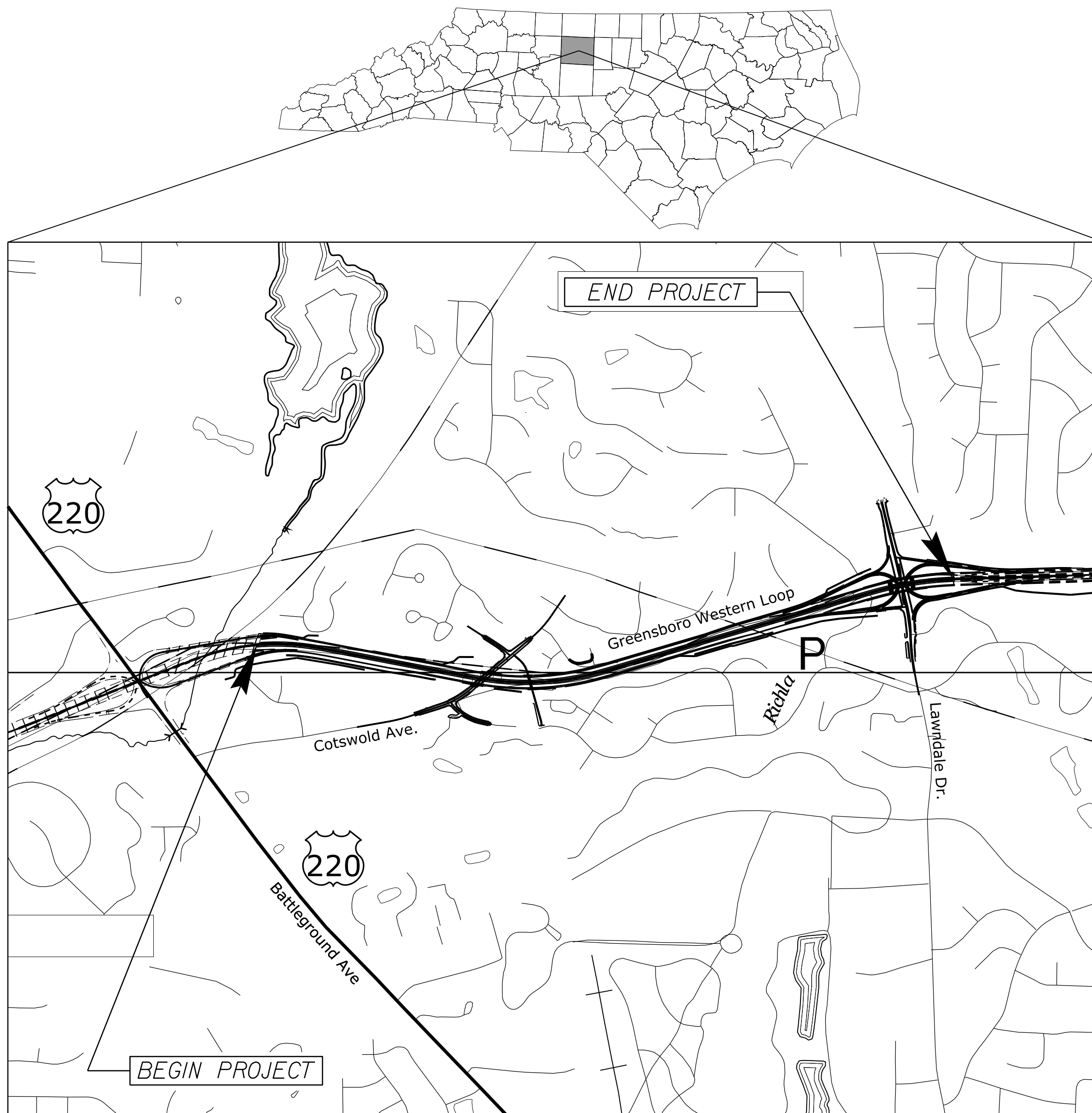
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

GUILFORD COUNTY

LOCATION: GREENSBORO-WESTERN LOOP FROM EAST OF US 220
(BATTLGROUND AVENUE) TO EAST OF SR 2303 (LAWNDALE DRIVE)

TYPE OF WORK: GRADING, PAVING, CULVERTS, DRAINAGE,
STRUCTURES AND ITS

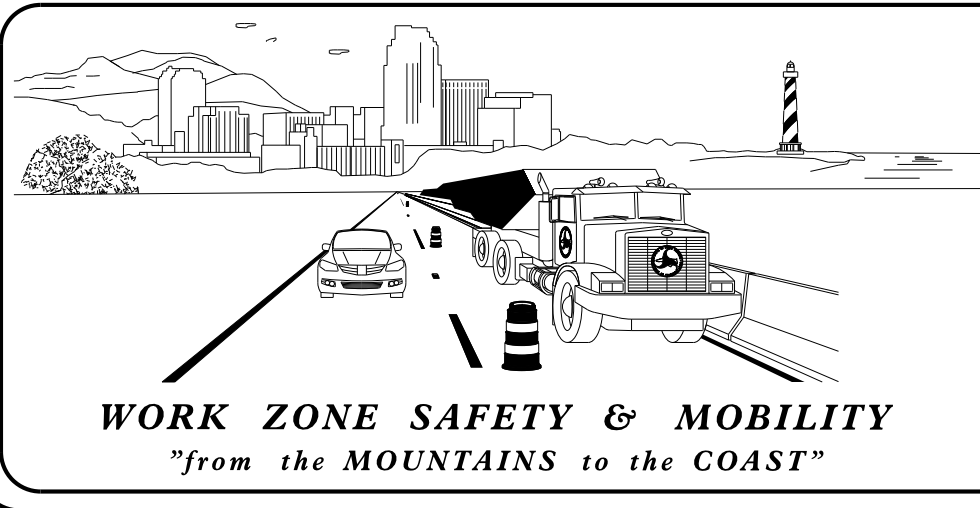


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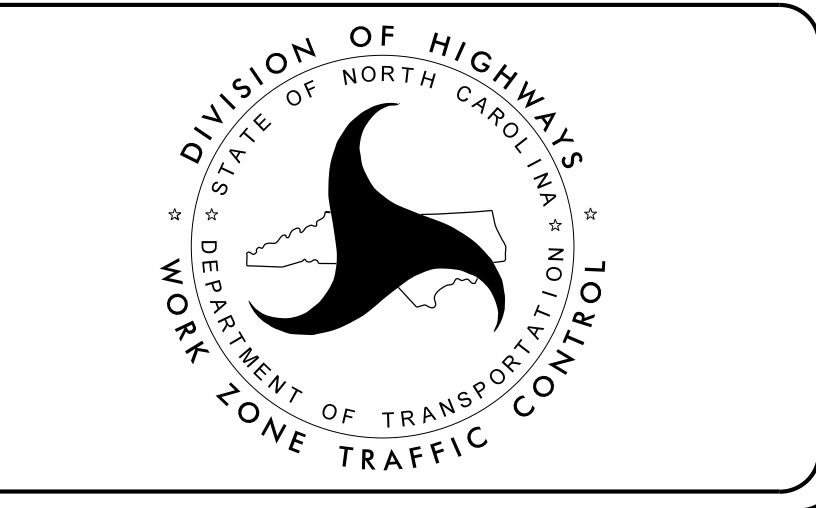
DAVID L. WILVER, P.E. **TRAFFIC CONTROL PROJECT ENGINEER**
TIM D. GOINS, PE **TRAFFIC CONTROL DESIGN ENGINEER**

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N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
750 N. GREENFIELD PARKWAY, GARNER, NC 27529 (DELIVERY)
PHONE: (919) 773-2800 FAX: (919) 771-2745

J. S. BOURNE, P.E. **STATE TRAFFIC MANAGEMENT ENGINEER**
DAVID BISSETTE, P.E. **TRAFFIC CONTROL PROJECT ENGINEER**
MIKE STEELMAN **TRAFFIC CONTROL PROJECT DESIGN ENGINEER**
 TRAFFIC CONTROL DESIGN ENGINEER



PLANS PREPARED BY:
PARSONS
5540 CENTERVIEW DR., SUITE 217
RALEIGH, NORTH CAROLINA 27606
NC LICENSE NO: F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

APPROVED: Tim Goins
DATE: 6/20/2016

SEAL

U-2524D
TIP PROJECT:

ROADWAY STANDARD DRAWINGS

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

STD. NO.	TITLE
1101.01	WORK ZONE WARNING SIGNS
1101.02	TEMPORARY LANE CLOSURES
1101.03	TEMPORARY ROAD CLOSURES
1101.04	TEMPORARY SHOULDER CLOSURES
1101.05	WORK ZONE VEHICLE ACCESSES
1101.06	WARNING SIGNS FOR BLASTING ZONES
1101.11	TRAFFIC CONTROL DESIGN TABLES
1110.01	STATIONARY WORK ZONE SIGNS
1110.02	PORTABLE WORK ZONE SIGNS
1115.01	FLASHING ARROW BOARDS
1130.01	DRUMS
1135.01	CONES
1145.01	BARRICADES
1150.01	FLAGGING DEVICES
1160.01	TEMPORARY CRASH CUSHION
1165.01	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
1205.11	PAVEMENT MARKINGS - RAILROAD CROSSINGS
1205.12	PAVEMENT MARKINGS - BRIDGES
1205.13	PAVEMENT MARKINGS - LANE REDUCTIONS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1251.01	RAISED PAVEMENT MARKERS - (PERMANENT AND TEMPORARY)
1261.01	GUARDRAIL AND BARRIER DELINEATORS - INSTALLATION SPACING
1261.02	GUARDRAIL AND BARRIER DELINEATORS - TYPES AND MOUNTING
1262.01	GUARDRAIL END DELINEATION
1264.01	OBJECT MARKERS - TYPES
1264.02	OBJECT MARKERS - INSTALLATION

LEGEND

GENERAL

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

- WORK AREA
- REMOVAL
- ONGOING CONSTRUCTION

TRAFFIC CONTROL DEVICES

- BARRICADE (TYPE III)
- CONE
- DRUM SKINNY DRUM 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

SIGNALS

- EXISTING
- PROPOSED
- TEMPORARY

PAVEMENT MARKINGS

- EXISTING LINES
- TEMPORARY LINES

PAVEMENT MARKERS

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

PAVEMENT MARKING SYMBOLS

- PAVEMENT MARKING SYMBOLS

TEMPORARY PAVEMENT MARKING

- PAINT (4")
- P8 2 FT. - 6 FT./SP WHITE MINISKIP
- PA WHITE EDGELINE
- PB YELLOW EDGELINE
- PC 10 FT WHITE SKIP
- PD 3 FT. - 9 FT./SP WHITE MINISKIP
- PE WHITE SOLID LANE LINE
- PI YELLOW DOUBLE CENTER
- PAINT (8")
- PP YELLOW DIAGONAL
- PAINT (24")

- P2 WHITE STOPBAR
- P3 WHITE CROSSWALK LINE

PAINT MARKING SYMBOLS

- QA LEFT TURN ARROW
- QB RIGHT TURN ARROW
- QD COMBO STRAIGHT/LEFT
- QF COMBO LEFT/RIGHT
- QM 12" YIELD LINE TRIANGLE

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APPROVED: DATE: 5/20/2016			ROADWAY STANDARD DRAWINGS & LEGEND
SEAL			

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MANAGEMENT STRATEGIES

CONSTRUCTION WILL BE PHASED SO THAT ALL -Y- LINE TRAFFIC WILL BE MAINTAINED EXCEPT WHERE ROAD CLOSURES ARE NOTED IN THE PLANS.

DRIVEWAYS AND -Y- LINES WILL BE MAINTAINED AT ALL TIMES

GENERAL NOTES

CHANGES MAY BE REQUIRED WHEN PHYSICAL DIMENSIONS IN THE DETAIL DRAWINGS, STANDARD DETAILS, AND ROADWAY DETAILS ARE NOT ATTAINABLE TO MEET FIELD CONDITIONS OR RESULT IN DUPLICATE OR UNDESIRED OVERLAPPING OF DEVICES. MODIFICATION MAY INCLUDE: MOVING, SUPPLEMENTING, COVERING, OR REMOVAL OF DEVICES AS DIRECTED BY THE ENGINEER.

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

TIME RESTRICTIONS

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

ROAD NAME	DAY AND TIME RESTRICTIONS
(Cotswold Ave.)	Monday through Sunday 7:00 a.m. to 7:00 p.m.
SR 2340 (Old Battleground Rd.)	Monday through Friday 7:00 a.m. to 9:00 a.m. 3:00 p.m. to 7:00 p.m.
SR 2347 (Lake Brandt Rd.)	Monday through Friday 7:00 a.m. to 9:00 a.m. 3:00 p.m. to 7:00 p.m.
SR 2303 (Lawndale Drive)	Monday through Sunday 7:00 a.m. to 7:00 p.m.
(Greensboro Western Loop-U-2524C)	Monday through Sunday 6:00 a.m. to 8:00 p.m.
Battleground Ave., INCLUDING RAMPS B & C (U-2524C)	Monday through Sunday 6:00 a.m. to 8:00 p.m.

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

ROAD NAME
(Cotswold Ave.)
SR 2340 (Old Battleground Rd.)
SR 2347 (Lake Brandt Rd.)
SR 2303 (Lawndale Drive)
-L- (Greensboro Western Loop - U-2524C)
BATTLEGROUND AVE., INCLUDING RAMPS B & C (U-2524C)

HOLIDAYS AND SPECIAL EVENTS

- FOR ANY UNEXPECTED OCCURRENCE THAT CREATES UNUSUALLY HIGH TRAFFIC VOLUMES, AS DIRECTED BY THE ENGINEER.
- FOR NEW YEAR'S, BETWEEN THE HOURS OF 7:00 A.M. DECEMBER 31st TO 7:00 P.M. JANUARY 2ND. IF NEW YEAR'S DAY IS ON A FRIDAY, SATURDAY, SUNDAY, OR MONDAY THEN UNTIL 7:00 P.M. THE FOLLOWING TUESDAY.
- FOR EASTER, BETWEEN THE HOURS OF 7:00 A.M. THURSDAY AND 7:00 P.M. MONDAY.
- FOR MEMORIAL DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY TO 7:00 P.M. TUESDAY.
- FOR INDEPENDENCE DAY, BETWEEN THE HOURS OF 7:00 A.M. THE DAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE DAY AFTER INDEPENDENCE DAY.

IF INDEPENDENCE DAY IS ON A FRIDAY, SATURDAY, SUNDAY OR MONDAY THEN BETWEEN THE HOURS OF 7:00 A.M. THE THURSDAY BEFORE INDEPENDENCE DAY AND 7:00 P.M. THE TUESDAY AFTER INDEPENDENCE DAY.

- FOR LABOR DAY, BETWEEN THE HOURS OF 7:00 A.M. FRIDAY AND 7:00 P.M. TUESDAY.
- FOR THANKSGIVING DAY, BETWEEN THE HOURS OF 7:00 A.M. TUESDAY TO 7:00 P.M. MONDAY.
- FOR CHRISTMAS, BETWEEN THE HOURS OF 7:00 A.M. THE FRIDAY BEFORE THE WEEK OF CHRISTMAS DAY AND 7:00 P.M. THE FOLLOWING TUESDAY AFTER THE WEEK OF CHRISTMAS DAY.
- FOR FURNITURE MARKET, BETWEEN THE HOURS OF 7:00 A.M. SATURDAY, OCTOBER 15th to 7:00 P.M. THURSDAY, OCTOBER 20th, 2016. BETWEEN THE HOURS OF 7:00 A.M. SATURDAY, APRIL 15th to 7:00 P.M., THURSDAY, APRIL 20th, 2017. ALSO, BETWEEN THE HOURS OF 7:00 A.M., SATURDAY, OCTOBER 14th to 7:00 P.M., THURSDAY, OCTOBER 19th, 2017. BETWEEN THE HOURS OF 7:00 A.M. SATURDAY, APRIL 14th to 7:00 P.M., WEDNESDAY, APRIL 18th, 2018. ALSO, BETWEEN THE HOURS OF 7:00 A.M., SATURDAY, OCTOBER 13th to 7:00 P.M., WEDNESDAY, OCTOBER 17th, 2018. BETWEEN THE HOURS OF 7:00 A.M. SATURDAY, APRIL 6th to 7:00 P.M., WEDNESDAY, APRIL 10th, 2019 ALSO, BETWEEN THE HOURS OF 7:00 A.M., SATURDAY, OCTOBER 19th to 7:00 P.M., WEDNESDAY, OCTOBER 23rd, 2019. BETWEEN THE HOURS OF 7:00 A.M. SATURDAY, APRIL 18th to 7:00 P.M., WEDNESDAY, APRIL 22nd, 2020. ALSO, BETWEEN THE HOURS OF 7:00 A.M., SATURDAY, OCTOBER 17th to 7:00 P.M., WEDNESDAY, OCTOBER 21st, 2020.

10. FOR WYNDHAM GOLF CHAMPIONSHIP, BETWEEN THE HOURS OF 7:00 A.M., MONDAY AUGUST 15th to 7:00 P.M., SUNDAY, AUGUST 21st, 2016. ALSO, BETWEEN THE HOURS OF 7:00 A.M., MONDAY, AUGUST 14th to 7:00 P.M., SUNDAY, AUGUST 20th, 2017. ALSO, BETWEEN THE HOURS OF 7:00 A.M., MONDAY TO 7:00 P.M., SUNDAY, AUGUST 2018, AUGUST 2019 AND AUGUST 2020 (ACTUAL WEEK DAYS TO BE DETERMINED CLOSER TO EVENT).

C) DO NOT CLOSE ROADS AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS
Lawndale Drive	Monday through Sunday 6:00 a.m. to 10:00 p.m.

D) DO NOT STOP TRAFFIC AS FOLLOWS:

ROAD NAME	DAY AND TIME RESTRICTIONS	DURATION/OPERATION
Cotswold Ave.	Monday through Sunday 6:00 a.m. to 7:00 p.m.	15 MIN. (WEDGING/TRAFFIC SHIFT)
Old Battleground Rd.	Monday through Friday 6:00 a.m. to 9:00 a.m. 2:00 p.m. to 7:00 p.m.	15 MIN. (WEDGING/TRAFFIC SHIFT)
Lake Brandt Rd.	Monday through Friday 6:00 a.m. to 9:00 a.m. 2:00 p.m. to 7:00 p.m.	15 MIN. (WEDGING/TRAFFIC SHIFT)
Lawndale Drive	Monday through Sunday 6:00 a.m. to 7:00 p.m.	15 MIN. (WEDGING/TRAFFIC SHIFT)
(Greensboro Western Loop-U-2524C)	Monday through Sunday 6:00 a.m. to 10:00 p.m.	15 MIN. (MARKING REMOVAL/MARKINGS/TRAFFIC SHIFT)
Battleground Ave., INCLUDING RAMPS B & C (U-2524C)	Monday through Sunday 6:00 a.m. to 10:00 p.m.	15 MIN. (MARKING REMOVAL/MARKINGS/TRAFFIC SHIFT)

E) DO NOT CONDUCT SINGLE VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

ROAD NAME	DAY AND TIME RESTRICTIONS
Battleground Ave.	Monday through Sunday 6:00 a.m. to 9:00 a.m. 4:00 p.m. to 6:00 p.m.
Cotswold Ave.	Monday through Sunday 6:00 a.m. to 8:00 a.m. 5:00 p.m. to 8:00 p.m.
Old Battleground Rd.	Monday through Sunday 6:00 a.m. to 8:00 a.m. 5:00 p.m. to 8:00 p.m.
LAWNDALE DRIVE	Monday through Sunday 6:00 a.m. to 8:00 a.m. 5:00 p.m. to 8:00 p.m.

- F) DO NOT CONDUCT MULTI-VEHICLE HAULING AS FOLLOWS; INGRESS AND EGRESS FROM RAMPS WILL NOT BE ALLOWED:

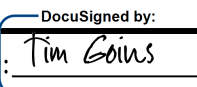
ROAD NAME	DAY AND TIME RESTRICTIONS
Battleground Ave.	Monday through Sunday 6:00 a.m. to 9:00 a.m. 4:00 p.m. to 6:00 p.m.
Cotswold Ave.	Monday through Sunday 5:00 a.m. to 9:00 p.m.
Old Battleground Rd.	Monday through Sunday 5:00 a.m. to 9:00 p.m.
LAWNDALE DRIVE	Monday through Sunday 5:00 a.m. to 9:00 p.m.

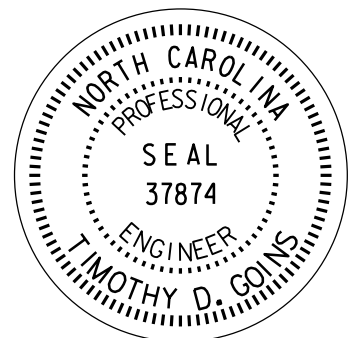
- G) DO NOT CONDUCT ANY HAULING OPERATIONS AGAINST THE FLOW OF TRAFFIC OF AN OPEN TRAVELWAY UNLESS THE HAULING OPERATION IS PROTECTED BY BARRIER OR GUARDRAIL OR AS DIRECTED BY THE ENGINEER.

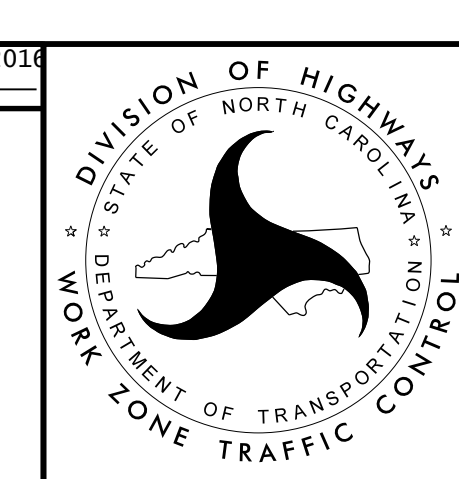
LANE AND SHOULDER CLOSURE REQUIREMENTS

- H) REMOVE LANE CLOSURE DEVICES FROM THE LANE WHEN WORK IS NOT BEING PERFORMED BEHIND THE LANE CLOSURE OR WHEN A LANE CLOSURE IS NO LONGER NEEDED OR AS DIRECTED BY THE ENGINEER.
- I) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN 15 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN SHOULDER USING ROADWAY STANDARD DRAWING NO. 1101.04 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL OR A LANE CLOSURE IS INSTALLED.
- J) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING ON THE SHOULDER ADJACENT TO AN UNDIVIDED FACILITY AND WITHIN 5 FT OF AN OPEN TRAVEL LANE, CLOSE THE NEAREST OPEN TRAVEL LANE USING ROADWAY STANDARD DRAWING NO. 1101.02 UNLESS THE WORK AREA IS PROTECTED BY BARRIER OR GUARDRAIL.
- 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.
- K) WHEN PERSONNEL AND/OR EQUIPMENT ARE WORKING WITHIN A LANE OF TRAVEL OF AN UNDIVIDED OR DIVIDED FACILITY, CLOSE THE LANE ACCORDING TO THE TRAFFIC CONTROL PLANS, ROADWAY STANDARD DRAWINGS, OR AS DIRECTED BY THE ENGINEER. CONDUCT THE WORK SO THAT ALL PERSONNEL AND/OR EQUIPMENT REMAIN WITHIN THE CLOSED TRAVEL LANE.
- L) DO NOT WORK SIMULTANEOUSLY WITHIN 15 FT ON BOTH SIDES OF AN OPEN TRAVELWAY, RAMP, OR LOOP WITHIN THE SAME LOCATION UNLESS PROTECTED WITH GUARDRAIL OR BARRIER.

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DocuSigned by:
 APPROVED:  DATE: 7/12/2016

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TRANSPORTATION OPERATIONS PLAN

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GENERAL NOTES CONTINUED

PAVEMENT EDGE DROP OFF REQUIREMENTS

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

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

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

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

N) DO NOT EXCEED A DIFFERENCE OF 2 INCHES IN ELEVATION BETWEEN OPEN LANES OF TRAFFIC FOR NOMINAL LIFTS OF 1.5 INCHES. INSTALL ADVANCE WARNING "UNEVEN LANES" SIGNS (W8-11) 350 FT IN ADVANCE AND A MINIMUM OF EVERY HALF MILE THROUGHOUT THE UNEVEN AREA.

TRAFFIC PATTERN ALTERATIONS

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

SIGNING

P) INSTALL ADVANCE WORK ZONE WARNING SIGNS WHEN WORK IS WITHIN 40 FT FROM THE EDGE OF TRAVEL LANE AND NO MORE THAN THREE (3) DAYS PRIOR TO THE BEGINNING OF CONSTRUCTION.

Q) PROVIDE SIGNING AND DEVICES REQUIRED TO CLOSE THE ROAD ACCORDING TO THE ROADWAY STANDARD DRAWINGS AND TRAFFIC CONTROL PLANS.
AND
PROVIDE SIGNING REQUIRED FOR THE OFF-SITE DETOUR ROUTE AS SHOWN IN THE TRAFFIC CONTROL PLANS.

R) COVER OR REMOVE ALL SIGNS AND DEVICES REQUIRED TO CLOSE THE ROAD WHEN ROAD CLOSURE IS NOT IN OPERATION.
AND
COVER OR REMOVE ALL SIGNS REQUIRED FOR THE OFF-SITE DETOUR WHEN THE DETOUR IS NOT IN OPERATION.

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

T) INSTALL BLACK ON ORANGE "DIP" SIGNS (W8-2) AND/OR "BUMP" SIGNS (W8-1) 350 ft IN ADVANCE OF THE UNEVEN AREA, OR AS DIRECTED BY THE ENGINEER.

TRAFFIC BARRIER

U) INSTALL TEMPORARY BARRIER ACCORDING TO THE TRAFFIC CONTROL 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 TRAFFIC CONTROL 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 TRAFFIC CONTROL PLANS, TEMPORARY BARRIER IS PROTECTING A HAZARD, OR AS DIRECTED BY THE ENGINEER.

INSTALL TEMPORARY BARRIER WITH THE TRAFFIC FLOW BEGINNING WITH THE UPSTREAM SIDE OF TRAFFIC. REMOVE TEMPORARY BARRIER AGAINST THE TRAFFIC FLOW BEGINNING WITH THE DOWNSTREAM SIDE OF TRAFFIC.

INSTALL AND SPACE DRUMS NO GREATER THAN TWICE THE POSTED SPEED LIMIT (MPH) TO CLOSE OR KEEP THE SECTION OF THE ROADWAY CLOSED UNTIL THE TEMPORARY BARRIER CAN BE PLACED OR AFTER THE TEMPORARY BARRIER IS REMOVED.

V) PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER AT ALL TIMES DURING THE INSTALLATION AND REMOVAL OF THE BARRIER BY EITHER A TRUCK MOUNTED IMPACT ATTENUATOR (MAXIMUM 72 HOURS) OR A TEMPORARY CRASH CUSHION.

PROTECT THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER FROM ONCOMING TRAFFIC AT ALL TIMES BY A TEMPORARY CRASH CUSHION UNLESS THE APPROACH END OF MOVABLE/PORTABLE CONCRETE BARRIER IS OFFSET FROM ONCOMING TRAFFIC AS FOLLOWS OR AS SHOWN IN THE PLANS:

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

TRAFFIC CONTROL DEVICES

W) WHEN LANE CLOSURES ARE NOT IN EFFECT SPACE CHANNELIZING DEVICES IN WORK AREAS NO GREATER IN FEET THAN TWICE THE POSTED SPEED LIMIT (MPH) EXCEPT, 10 FT ON-CENTER IN RADII, AND 3 FT OFF THE EDGE OF AN OPEN TRAVELWAY. REFER TO STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES SECTIONS

REQUIREMENTS.

X) PLACE TYPE III BARRICADES, WITH "ROAD CLOSED" SIGN R11-2 ATTACHED, OF SUFFICIENT LENGTH TO CLOSE ENTIRE ROADWAY.

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

PAVEMENT MARKINGS AND MARKERS

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

ROAD NAME	MARKING	MARKER
ALL ROADS	PAINT	TEMPORARY RAISED

AA) PLACE ONE APPLICATION OF PAINT FOR TEMPORARY TRAFFIC PATTERNS. PLACE A SECOND APPLICATION OF PAINT SIX (6) MONTHS AFTER THE INITIAL APPLICATION AND EVERY SIX MONTHS AS DIRECTED BY THE ENGINEER.

BB) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

CC) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS BY THE END OF EACH DAY'S OPERATION.

DD) TRACE THE PROPOSED MONOLITHIC ISLAND LOCATIONS WITH PROPER COLOR PAVEMENT MARKING PRIOR TO INSTALLATION. PLACE DRUMS TO DELINEATE ANY PROPOSED MONOLITHIC ISLANDS BEFORE INSTALLATION.

MISCELLANEOUS

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' AND 500' RESPECTIVELY IN ADVANCE OF THE UNEVEN AREAS. USE DRUMS TO DELINEATE THE EDGE OF ROADWAY ALONG UNPAVED AREAS.

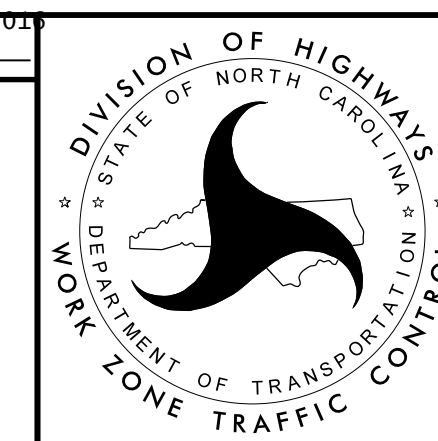
FF) ALL CHAIR RAMP LOCATIONS SHALL BE DERIVED FROM STATIONING SHOWN ON PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER IN COORDINATION WITH THE SIGNING AND DELINEATION UNIT.

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) INGRESS AND EGRESS THROUGH BARRETT PLACE WILL ONLY BE PERMITTED FOR WORK EXCLUSIVELY ON BARRETT PLACE. ACCESS FOR ALL OTHER AREAS OF THE PROJECT WILL NOT BE PERMITTED FROM BARRETT PLACE.

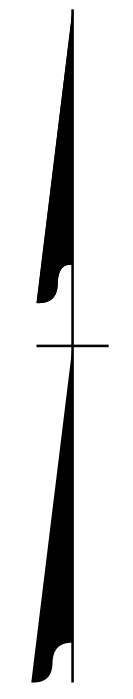
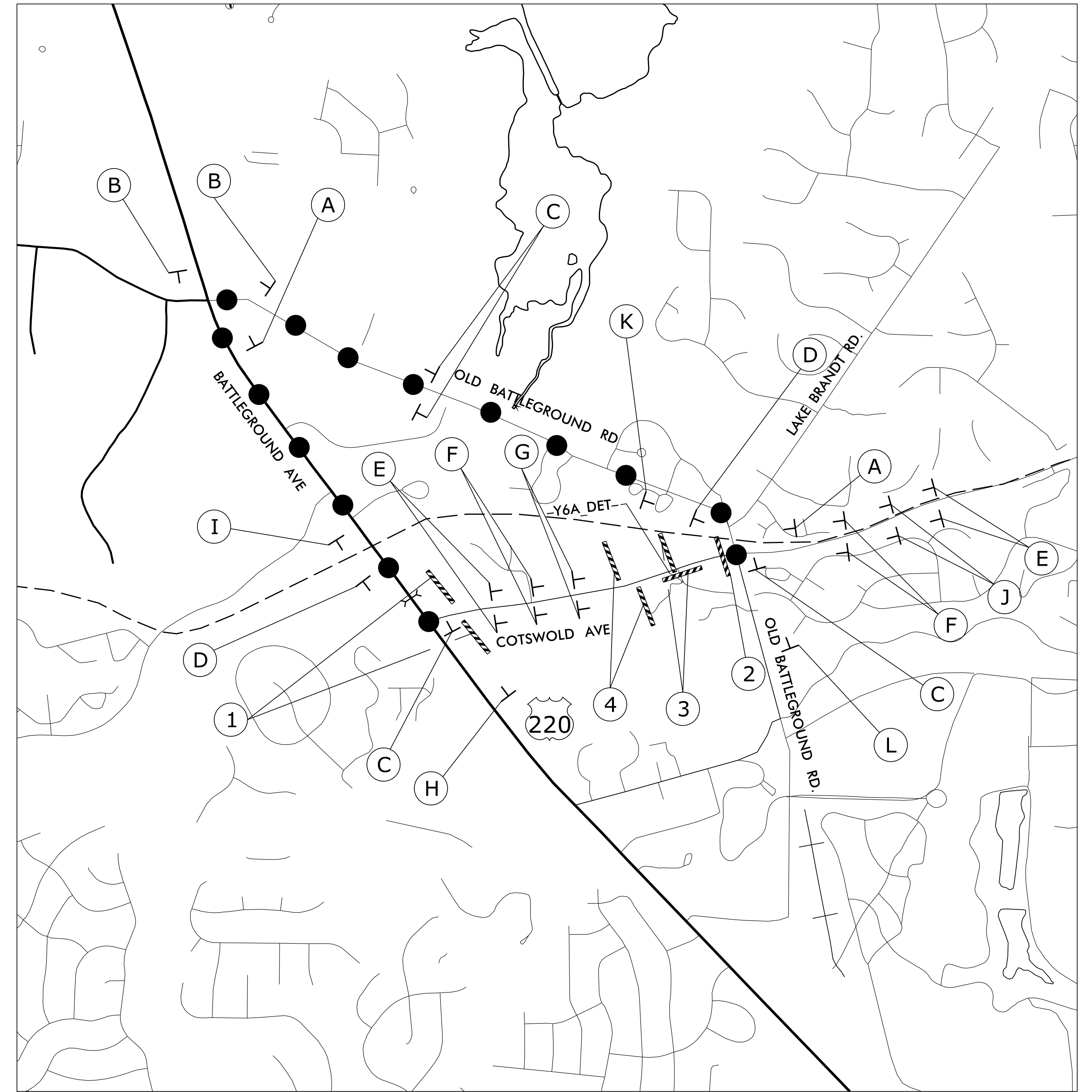
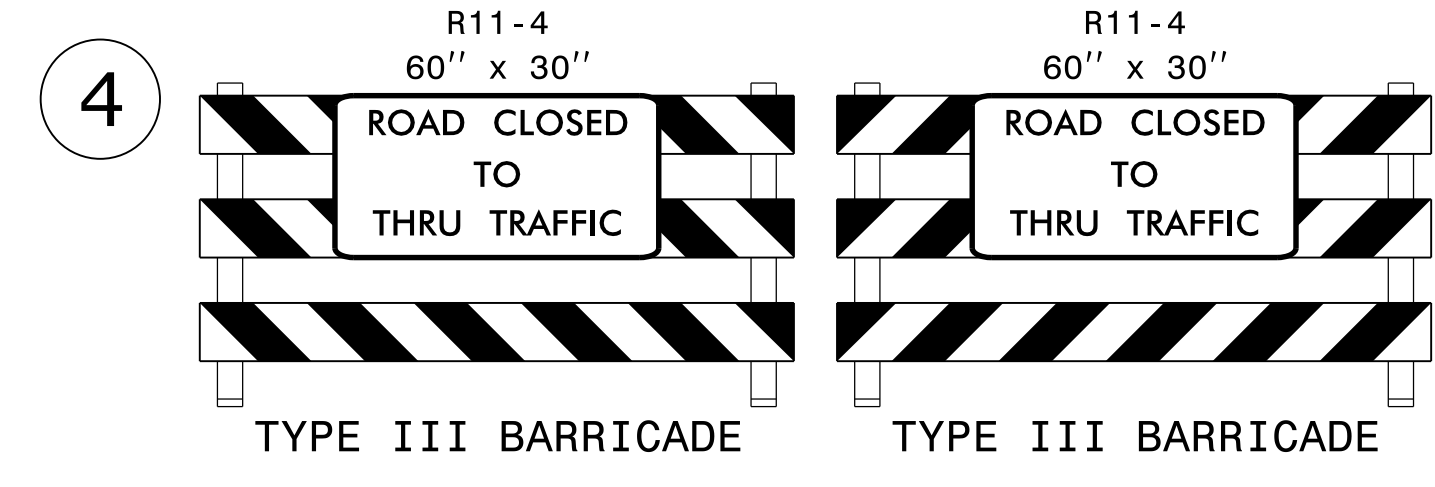
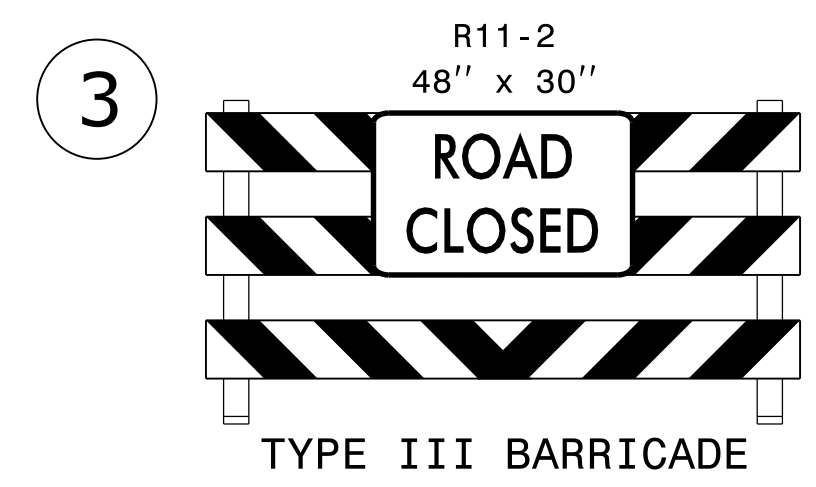
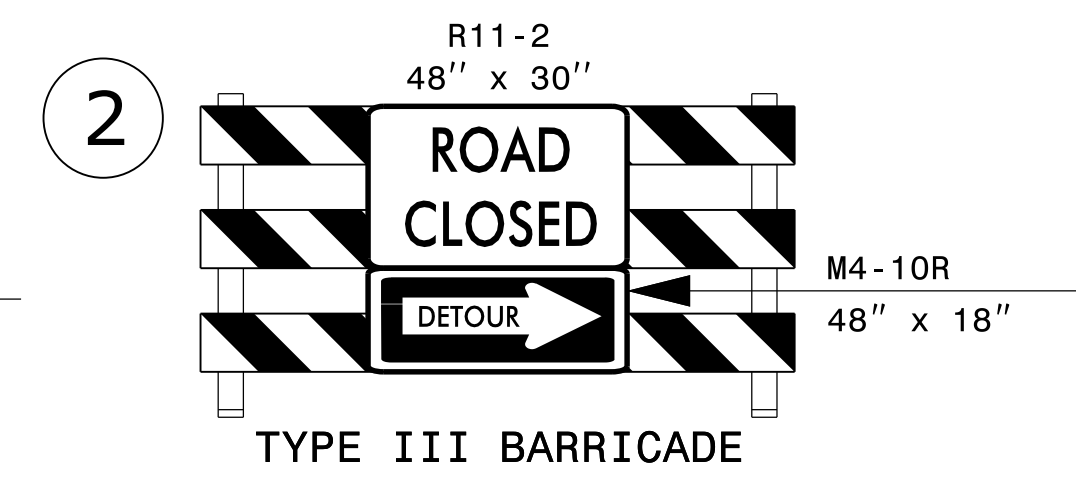
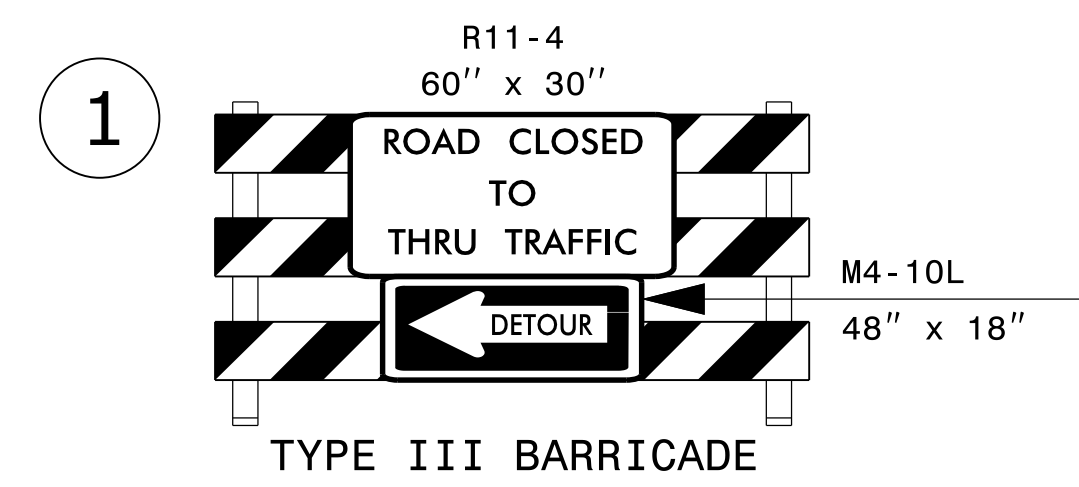
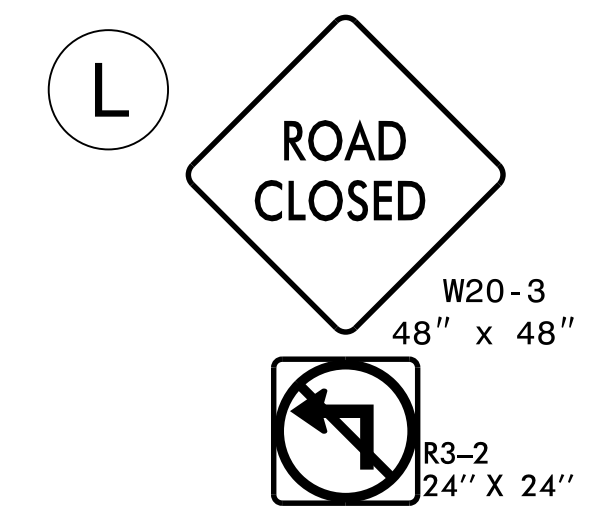
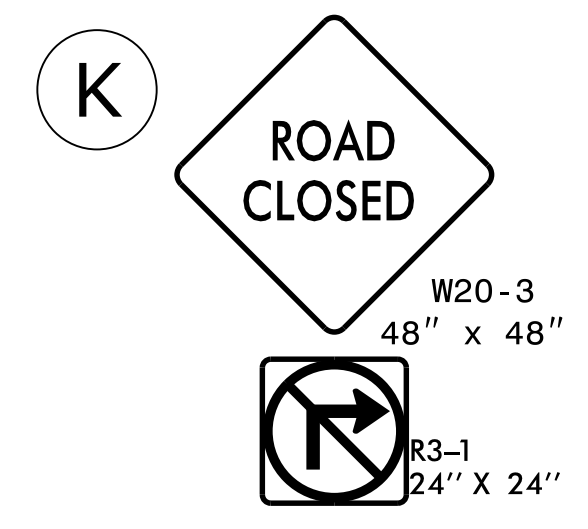
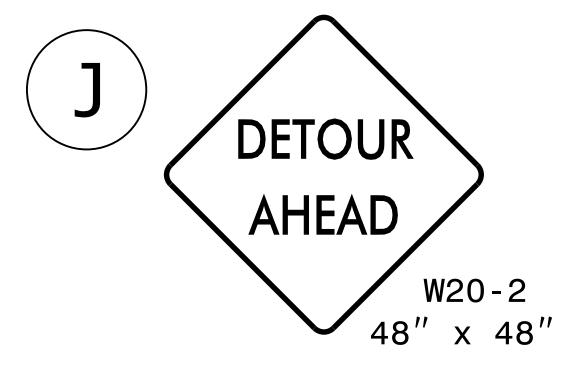
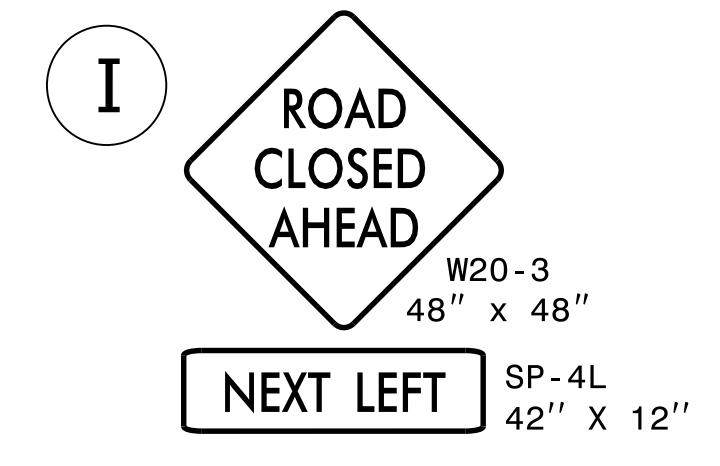
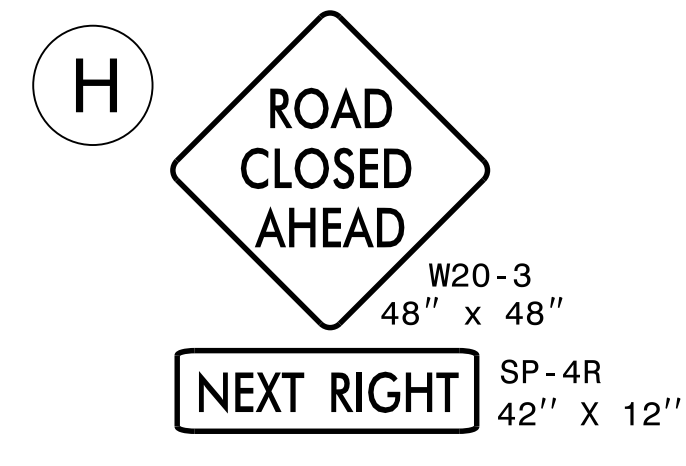
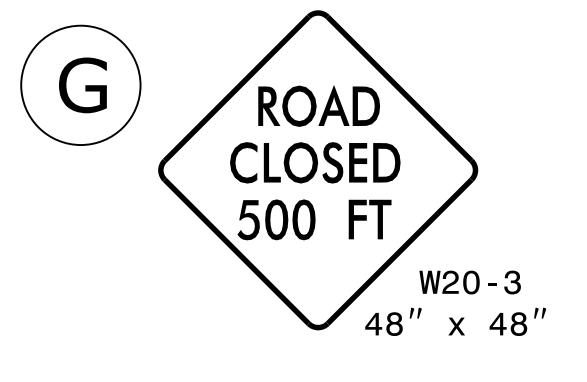
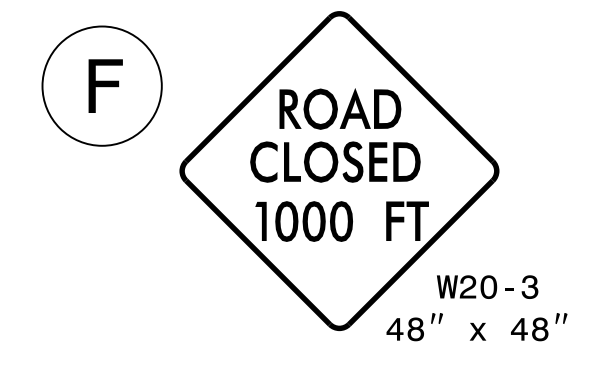
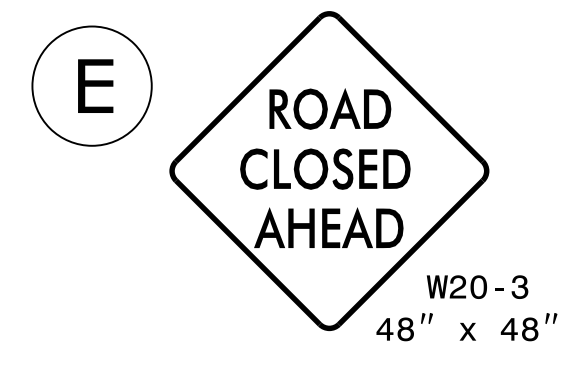
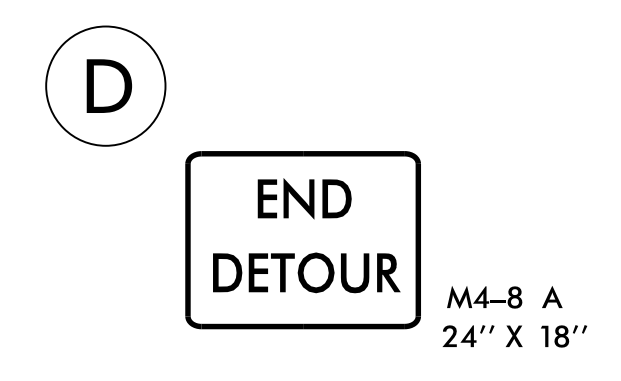
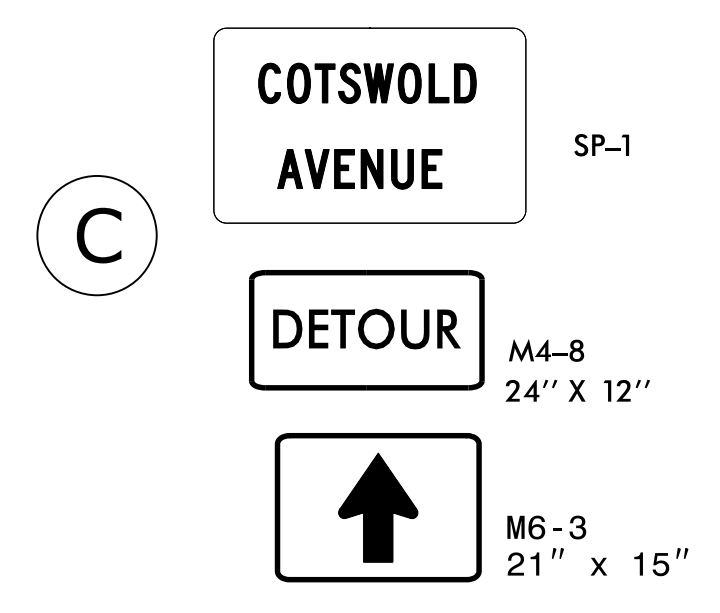
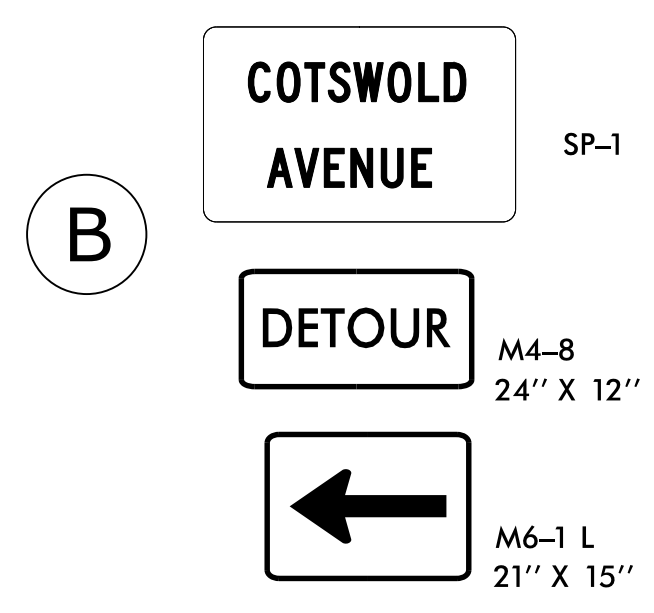
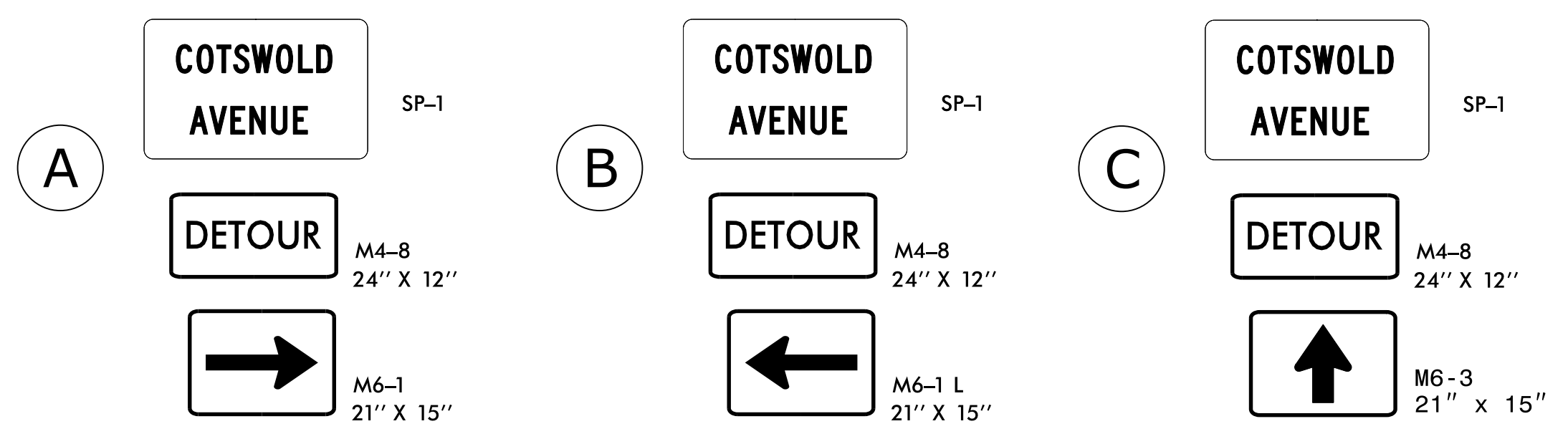
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UNLESS ALL SIGNATURES COMPLETED**

APPROVED: Tim Ewins DATE: 07/20/2016
SEAL
NORTH CAROLINA PROFESSIONAL ENGINEER
TIMOTHY D. EWINS
37874

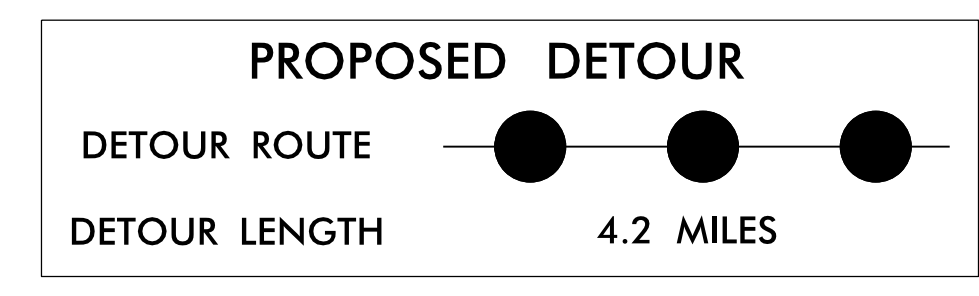


**TRANSPORTATION
OPERATIONS
PLAN**

7/2/16
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NOTES:
 1. REFER TO RSD 1101.03, SHEET 1 & 2 OF 9, FOR GENERAL NOTES.
 2. SEE SHEET TMP-2B FOR THE SPECIAL SIGN DESIGN.
 3. ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 4. COORDINATE DETOUR WITH U-2524C PROJECT.

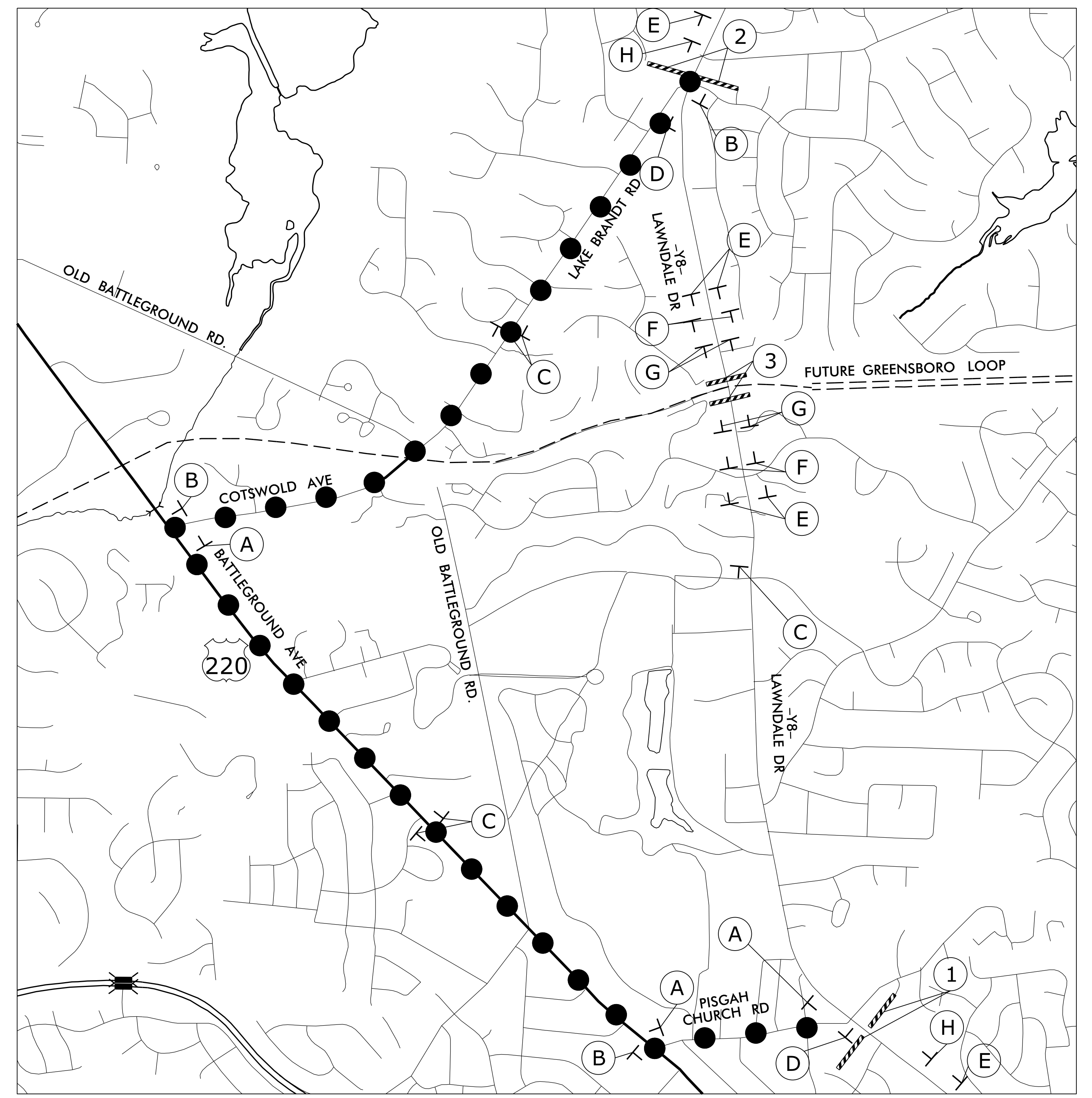
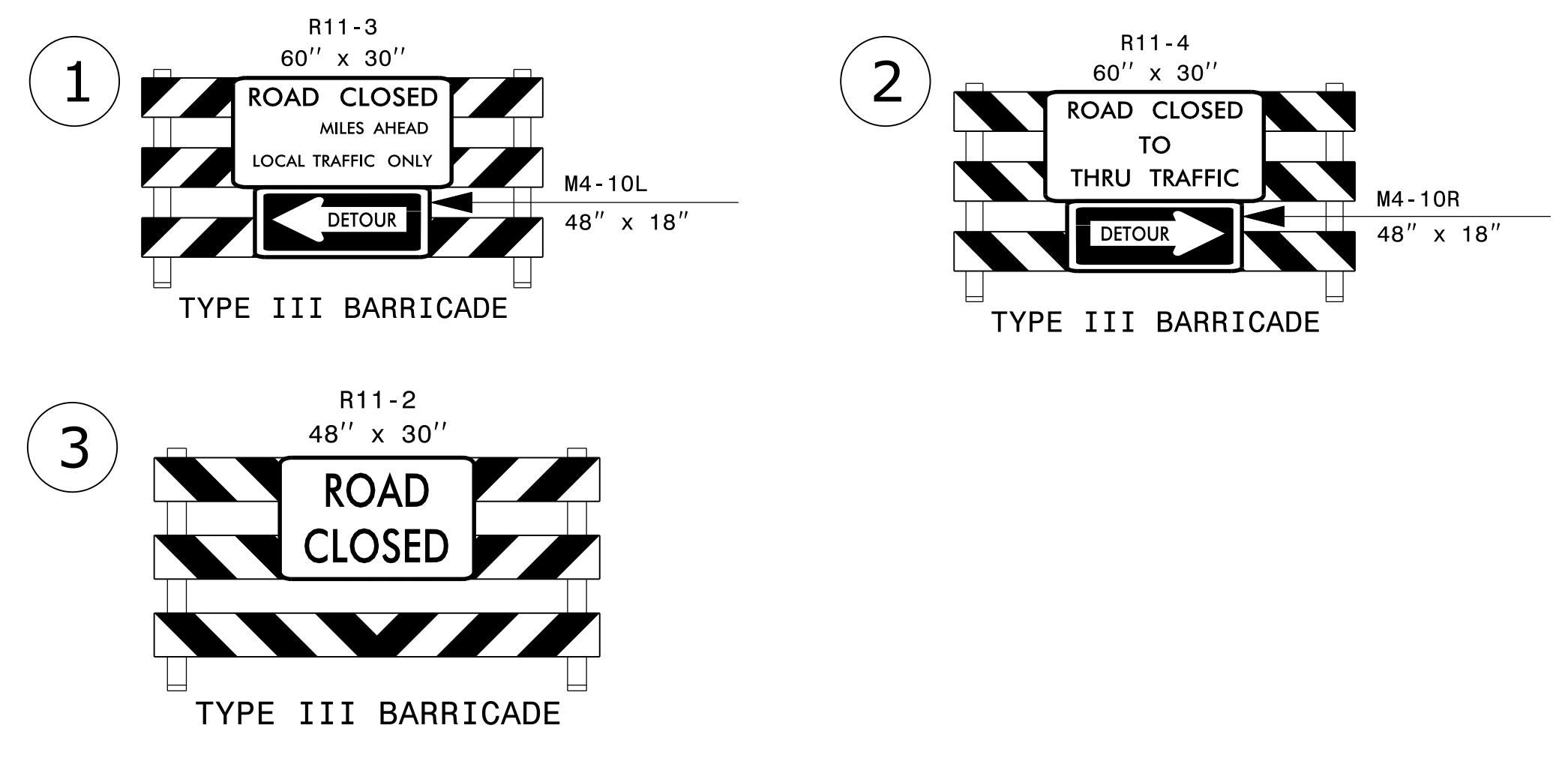
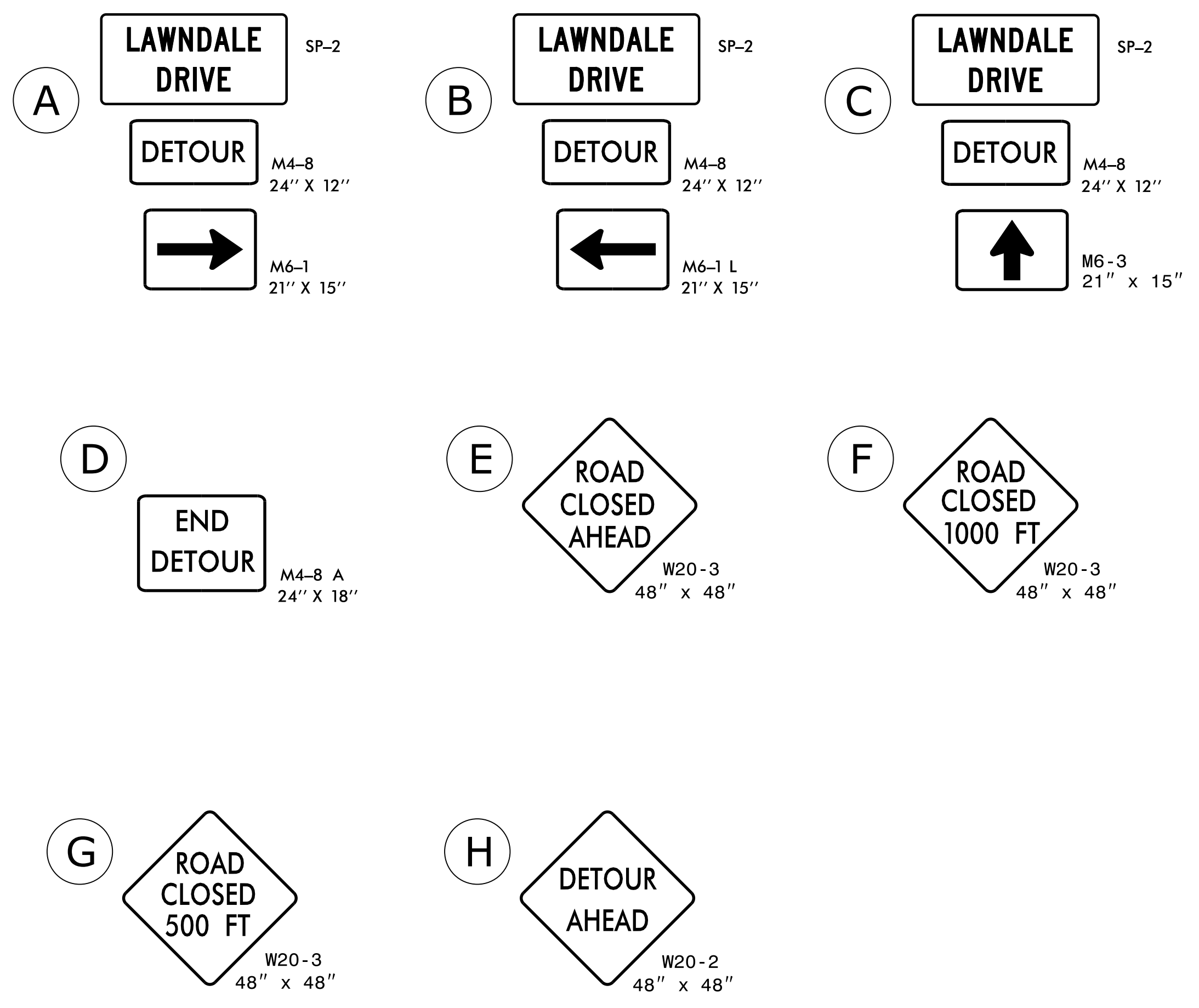


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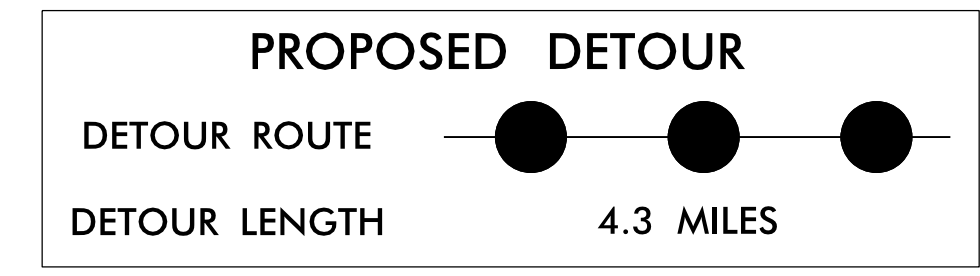
APPROVED: *Tim Goums* DATE: 6/20/2016
 SEAL: NORTH CAROLINA PROFESSIONAL ENGINEER, MOTHY D. GOUMS, 37874

TRANSPORTATION MANAGEMENT PLAN
 COTSWOLD AVENUE -Y6- DETOUR

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- NOTES:**
- REFER TO RSD 1101.03, SHEET 1 OF 9, FOR GENERAL NOTES.
 - SEE SHEET TMP-2B FOR THE SPECIAL SIGN DESIGN.
 - ALL DETOUR SIGN LOCATIONS ARE APPROXIMATE.
 - COORDINATE DETOUR WITH U-2524C PROJECT.



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

APPROVED: DATE: 6/20/2016

TRANSPORTATION MANAGEMENT PLAN
LAWDALE DRIVE -Y8- DETOUR

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<p>SIGN NUMBER: SP-1 TYPE: D QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 2'-6" TOTAL AREA: 10.0 Sq.Ft.</p> <p>BORDER TYPE: FLUSH RECESS: 0.47" WIDTH: 0.63" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p> <p>NOTES:</p> <ol style="list-style-type: none"> Legend and border shall be direct applied black non-reflective sheeting. Background shall be Grade B, fluorescent orange, retroreflective sheeting. To be mounted with Detour signing. 	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> <p>MAT'L: 0.125" (3.2 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																				<p>DESIGN BY: DBG PROJECT ID: U-2524D</p> <p>CHECKED BY: TDG DIV: 7</p> <p>DATE: OCTOBER 2015</p> <div style="text-align: center;"> </div> <p>BORDER R=1.5" TH=0.63" IN=0.47"</p> <p style="text-align: right;">Spacing Factor is 1 unless specified otherwise</p> <p>LETTER POSITIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="11">Letter spacings are to start of next letter</th> <th>Series/Size</th> </tr> <tr> <th colspan="11"></th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td></td><td>C</td><td>O</td><td>T</td><td>S</td><td>W</td><td>O</td><td>L</td><td>D</td><td></td><td></td> <td></td> <td>C 2000</td> </tr> <tr> <td></td><td>7.3</td><td>4.4</td><td>4.3</td><td>3.6</td><td>3.9</td><td>5.2</td><td>4.8</td><td>3.9</td><td>3.3</td><td>7.3</td> <td></td> <td>33.4</td> </tr> <tr> <td></td><td>A</td><td>V</td><td>E</td><td>N</td><td>U</td><td>E</td><td></td><td></td><td></td><td></td> <td></td> <td>C 2000</td> </tr> <tr> <td></td><td>11.4</td><td>4.2</td><td>4.5</td><td>4.1</td><td>4.7</td><td>4.7</td><td>3</td><td>11.4</td><td></td><td></td> <td></td> <td>25.2</td> </tr> </tbody> </table>	Letter spacings are to start of next letter											Series/Size												Text Length		C	O	T	S	W	O	L	D				C 2000		7.3	4.4	4.3	3.6	3.9	5.2	4.8	3.9	3.3	7.3		33.4		A	V	E	N	U	E						C 2000		11.4	4.2	4.5	4.1	4.7	4.7	3	11.4				25.2
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<p>SIGN NUMBER: SP-2 TYPE: D QUANTITY: SEE PLANS SIGN WIDTH: 4'-0" HEIGHT: 2'-6" TOTAL AREA: 10.0 Sq.Ft.</p> <p>BORDER TYPE: FLUSH RECESS: 0.47" WIDTH: 0.63" RADII: 1.5"</p> <p>NO. Z BARS: LENGTH:</p> <p>NOTES:</p> <ol style="list-style-type: none"> Legend and border shall be direct applied black non-reflective sheeting. Background shall be Grade B, fluorescent orange, retroreflective sheeting. To be mounted with Detour signing. 	<p>BACKG COLOR: Fluorescent Orange COPY COLOR: Black</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>SYMBOL</th> <th>X</th> <th>Y</th> <th>WID</th> <th>HT</th> </tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </table> <p>MAT'L: 0.125" (3.2 mm) ALUMINUM</p>	SYMBOL	X	Y	WID	HT																																				<p>DESIGN BY: JMP PROJECT ID: U-2524D</p> <p>CHECKED BY: DLW DIV: 7</p> <p>DATE: JUNE 2016</p> <div style="text-align: center;"> </div> <p>BORDER R=1.5" TH=0.63" IN=0.47"</p> <p style="text-align: right;">Spacing Factor is 1 unless specified otherwise</p> <p>LETTER POSITIONS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="11">Letter spacings are to start of next letter</th> <th>Series/Size</th> </tr> <tr> <th colspan="11"></th> <th>Text Length</th> </tr> </thead> <tbody> <tr> <td></td><td>L</td><td>A</td><td>W</td><td>N</td><td>D</td><td>A</td><td>L</td><td>E</td><td></td><td></td> <td></td> <td>C 2000</td> </tr> <tr> <td></td><td>7.3</td><td>3.4</td><td>4.2</td><td>5.4</td><td>4.7</td><td>4.1</td><td>4.7</td><td>3.9</td><td>3.0</td><td>7.3</td> <td></td> <td>33.4</td> </tr> <tr> <td></td><td>D</td><td>R</td><td>I</td><td>V</td><td>E</td><td></td><td></td><td></td><td></td><td></td> <td></td> <td>C 2000</td> </tr> <tr> <td></td><td>14.9</td><td>4.5</td><td>4.4</td><td>1.7</td><td>4.6</td><td>3.0</td><td>14.9</td><td></td><td></td><td></td> <td></td> <td>18.2</td> </tr> </tbody> </table>	Letter spacings are to start of next letter											Series/Size												Text Length		L	A	W	N	D	A	L	E				C 2000		7.3	3.4	4.2	5.4	4.7	4.1	4.7	3.9	3.0	7.3		33.4		D	R	I	V	E							C 2000		14.9	4.5	4.4	1.7	4.6	3.0	14.9					18.2
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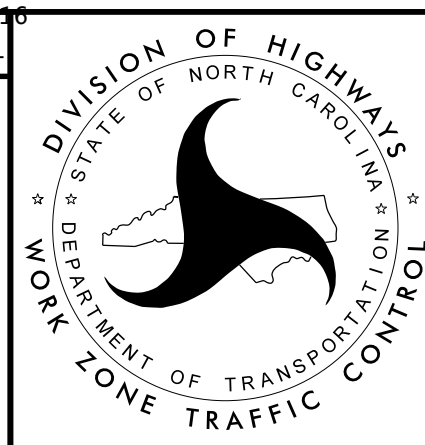
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UNLESS ALL SIGNATURES COMPLETED**

PLANS PREPARED BY:
PARSONS
2540 CENTERVIEW DR., SUITE 207
 RALEIGH, NORTH CAROLINA 27606
 NC LICENSE NO. F-0246
 FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

APPROVED: _____ DATE: 07/20/2016

DocuSigned by: _____

SEAL



**TRANSPORTATION
MANAGEMENT PLAN**

**SPECIAL SIGN
DESIGNS**

7/2/09

AREA 1 PHASE I

NOTE: THE WORK OF AREA 1, AREA 2 AND AREA 3 MAY BE PERFORMED SIMULTANEOUSLY IN ACCORDANCE WITH THE STEPS OF EACH AREA.

STEP 1:
INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADWAYS WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.01 SHEET 2 AND 3 OF 3.

INSTALL TYPE III BARRICADES THROUGHOUT PROJECT AS SHOWN IN PHASE I ON TMP-05, TMP-8 AND TMP-12.

STEP 2:
AWAY FROM TRAFFIC, BEGIN CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT THE FOLLOWING LOCATIONS:

- L- LT. FROM STA. 421+69 +/- TO STA. 449+00 +/- (SEE TMP-08)
- L- RT. FROM STA. 421+69 +/- TO STA. 447+00 +/- (SEE TMP-08)
- L- LT. FROM STA. 461+00 +/- TO STA. 467+50 +/- (SEE TMP-05)
- L- RT. FROM STA. 471+00 +/- TO STA. 479+00 +/- (SEE TMP-06)
- L- LT. FROM STA. 503+78 +/- TO -L- LT. STA. 548+12.55 (U-2525C), (SEE RDY PLANS)
- L- RT. FROM STA. 503+78 +/- TO -L- RT. STA. 548+12.55 (U-2525C), (SEE RDY PLANS)
- RPAY4- FROM STA. 0+00 +/- TO STA. 4+26.51 +/- (SEE TMP-04 & RDY PLANS)
- RPDY4- FROM STA. 0+00 +/- TO STA. 5+57.62 +/- (SEE TMP-04 & RDY PLANS)
- RPAY8- FROM STA. 0+00 +/- TO STA. 5+48.00 +/- (SEE TMP-04 & RDY PLANS)
- RPDY8- FROM STA. 0+00 +/- TO STA. 6+00.00 +/- (SEE TMP-04 & RDY PLANS)

USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 15 AS NEEDED, CONSTRUCT -Y7A- UP TO AND INCLUDING FINAL LAYER OF SURFACE COURSE, PLACING FINAL PAVEMENT MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS AND OPEN TO TRAFFIC. (SEE TMP-05)

AWAY FROM TRAFFIC, CONSTRUCT PROPOSED CULVERT AT -L- LT. FROM STA. 478+56 +/- TO -SPBY8- RT. STA. 0+48 +/- . INSTALL DAM AND PUMP OR CONSTRUCT BYPASS CHANNEL TO DIVERT EXISTING FLOW AROUND NEW CULVERT INLET. (SEE TMP-6 & TMP-12)

PHASE II

UPON COMPLETION OF AREA 2, PHASE I, STEP 6 BEGIN WORK IN AREA 1, PHASE II, STEP 1

STEP 1:
AWAY FROM TRAFFIC AND IN A CONTINUOUS MANNER, PERFORM THE FOLLOWING:

BEGIN CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT THE FOLLOWING LOCATIONS:

- L- LT. FROM STA. 449+00 +/- TO STA. 450+50 +/- (SEE TMP-10)
 - L- RT. FROM STA. 447+00 +/- TO STA. 450+50 +/- (SEE TMP-10)
 - L- LT. FROM STA. 453+50 +/- TO STA. 461+00 +/- (SEE TMP-07)
 - L- RT. FROM STA. 453+50 +/- TO STA. 471+00 +/- (SEE TMP-07)
- REMOVE PORTION OF EXISTING COTSWOLD EAST OF OLD BATTLEGROUND AS SHOWN ON TMP-7, TMP-10 AND TMP-14.

UPON COMPLETION OF AREA 3, PHASE II, STEP 1, BEGIN WORK IN AREA 1, PHASE II, STEP 2

STEP 2:
-L- LT. FROM STA. 467+50 +/- TO -LREV- STA. 494+06.25 +/- (SEE TMP-07 & TMP-14)
-L- RT. FROM STA. 479+00 +/- TO -LREV- STA. 494+03.39 +/- (SEE TMP-06 & TMP-14)
BEGIN CONSTRUCTION OF WESTERN END BENTS FOR EASTBOUND AND WESTBOUND STRUCTURES OVER -Y8- AND TEMPORARY BENTS ALONG THE EAST SIDE OF -Y8- AND ERECT GIRDERS.
BEGIN CONSTRUCTION OF RETAINING WALLS 7-8 AS SHOWN ON TMP-14.

UPON COMPLETION OF AREA 2, PHASE II, STEP 1, PERFORM AREA 1, PHASE II, STEP 3

STEP 3:
CONSTRUCT UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE,
-L- FROM STA. 450+50 +/- TO STA. 453+50 +/- (SEE TMP-11)

PHASE III

UPON COMPLETION OF AREA 3, PHASE IV, STEP 1, BEGIN WORK IN AREA 1, PHASE III, STEP 1

STEP 1:
BEGIN CONSTRUCTION OF EASTERN END BENTS AND GIRDER ERECTION FOR -LREV- EASTBOUND AND WESTBOUND STRUCTURES OVER -Y8- (SEE TMP-20).
CONTRACTOR SHALL STOP TRAFFIC OR USE OFF-SITE DETOUR SHOWN TMP-2A DURING GIRDER ERECTION.
BEGIN CONSTRUCTION OF RETAINING WALL 9-10 (SEE TMP-20/RDY PLANS).

PHASE IV

STEP 1:
AWAY FROM TRAFFIC, COMPLETE CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT THE FOLLOWING LOCATIONS:

- L- FROM STA. 421+69 +/- TO -LREV- STA. 493+03.39 +/- (SEE TMP-20)
- LREV- FROM STA. 496+32.70 +/- TO -L- STA. 503+78 +/- (SEE TMP-20)
- RPAY4- FROM STA. 0+00 +/- TO STA. 4+26.51 +/- (SEE TMP-20)
- RPDY4- FROM STA. 0+00 +/- TO STA. 5+57.62 +/- (SEE TMP-20)

COMPLETE CONSTRUCTION OF -LREV- EASTBOUND AND WESTBOUND STRUCTURES OVER -Y8- INCLUDING RETAINING WALLS 7, 8, 9 AND 10. (SEE TMP-20)

PLACE FINAL LAYER OF SURFACE COURSE ON ALL -L- AND -LREV- SECTIONS.

UPON COMPLETION OF AREAS 1 THRU 3 UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE AND TRAFFIC IN ITS FINAL PATTERN, BEGIN WORK IN AREA 1 PHASE IV, STEP 2.

STEP 2:
USING ROADWAY STANDARD DRAWING 1101.02 SHEETS 11, 12 & 13 OF 15 AS NEEDED, PLACE FINAL PAVEMENT MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS ON ALL REMAINING ALIGNMENTS, INCLUDING MODIFICATIONS MADE TO THE -L- (U-2524C) MAINLINE MARKINGS (SEE U-2524D PMP PLANS).

STEP 3:
UPON PROJECT ACCEPTANCE BY THE ENGINEER, OPEN ALL ROADWAYS TO FINAL TRAFFIC PATTERN

AREA 2 PHASE I

MAINTAIN EXISTING TRAFFIC PATTERN ALONG COTSWOLD AVE. AND OLD BATTLEGROUND RD.

STEP 1:
INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADWAYS WITHIN THE AREA LIMITS IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.01 SHEET 3 OF 3.

INSTALL PEDESTRIAN ADVANCE WARNING SIGNS AS SHOWN ON TMP-08.

STEP 2:
AWAY FROM TRAFFIC AND IN A CONTINUOUS MANNER, PERFORM THE FOLLOWING:

INSTALL DRUMS AND BARRICADES AS SHOWN ON TMP-08.

CONSTRUCT TEMP CROSSWALK AND TEMP PED TRAIL RT OF LAKE BRANDT RD OUTSIDE OF ANY UTILITY CONFLICTS AND TIE TO THE EXISTING TRAIL ADJACENT TO OLD BATTLEGROUND RD AS SHOWN ON TMP-08.

CONSTRUCT TEMPORARY SIDEWALK -Y6A_DET- RT. AS SHOWN ON TMP-08.

UPON COMPLETION OF AREA 2, PHASE I, STEP 2, SHIFT PED TRAFFIC ONTO TEMPORARY PED TRAIL AND TEMPORARY SIDEWALK -Y6A_DET- RT.

STEP 3:
IN CONJUNCTION WITH AREA 1, PHASE I, STEP 2, AND USING ROADWAY STANDARD DRAWING 1101.02 SHEET 2 OF 15, PERFORM THE FOLLOWING IN A CONTINUOUS MANNER:

CONSTRUCT -Y6A_DET- FROM STA. 10+07 +/- TO STA. 14+00 UP TO THE EXISTING EDGE AND ELEVATION AS SHOWN ON TMP-08.

BEGIN CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT THE FOLLOWING LOCATIONS AS SHOWN ON TMP-08:

- Y6- FROM STA. 17+00 +/- TO STA. 32+41 +/-
- Y5- FROM STA. 12+00 +/- TO THE INTERSECTION WITH PROPOSED -Y6-
- Y6A- FROM STA. 10+25 +/- TO STA. 12+88 +/-

CONSTRUCT SIDEWALK -Y5- RT. (SEE TMP-08)

CONSTRUCT ALL TEMPORARY CROSSWALKS AT -Y5-, -Y6-, EXISTING COTSWOLD AND OLD BATTLEGROUND AVENUE. (SEE TMP-08 THRU TMP-11)

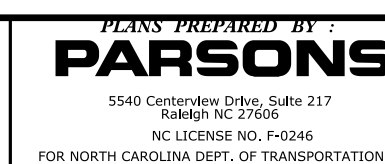
MODIFY PEDESTRIAN ADVANCE WARNING SIGNS AND DEVICES. (SEE TMP-10)

SHIFT PEDESTRIAN TRAFFIC ONTO SIDEWALK -Y5- RT. (SEE TMP-10)

CLOSE SIDEWALK -Y5- LT. AND -Y6- LT. TO THE PED GREENWAY (SEE TMP-10)

CONSTRUCT WEDGING AND WIDENING AND SIDEWALK -Y5- LT., -Y6- LT., & -Y6- RT. FROM TEMPORARY PED TRAIL TO 32+41 +/- (SEE TMP-10)

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



PROJ. REFERENCE NO.	SHEET NO.
U-2524D	TMP-3

STEP 4:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 1 OF 15, PERFORM THE FOLLOWING IN A CONTINUOUS MANNER:

BEGIN CONSTRUCTION OF -Y6A- STA. 11+15 +/- TO STA. 15+25 +/- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AND CONSTRUCT PROPOSED SIDEWALK (LT) TO OLD BATTLEGROUND ROAD/COTSWOLD TERRACE INTERSECTION AS SHOWN ON TMP-10.

COMPLETE CONSTRUCTION OF -Y6- STRUCTURE OVER -L- AS SHOWN ON TMP-10.

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y6A_DET- FROM STATION 10+16 +/- TO STATION 16+10 +/- AS SHOWN ON TMP-10. REMOVE ANY CONFLICTING MARKINGS ON -Y6A-.

COMPLETE THE FOLLOWING WORK REQUIRED OF PHASE 1 STEP 5 AND 6 IN SEVEN (7) DAYS. SEE CONTRACT TIME AND LIQUIDATED DAMAGES.

STEP 5:
INSTALL ROAD CLOSURE AND DETOUR SIGNS FOR OFFSITE DETOUR AS SHOWN ON TMP-02. COVER SIGNS.

INSTALL TRAFFIC CONTROL DEVICES FOR THE OFFSITE DETOUR AS SHOWN ON TMP-02 AND CLOSE EXISTING COTSWOLD AVE., OLD BATTLEGROUND AVE., AND EXISTING -Y6A- TO TRAFFIC AS SHOWN ON TMP-10.

REMOVE THE TRAFFIC CONTROL DEVICES ON -Y6A_DET-. SHIFT LOCAL TRAFFIC TO A TWO-LANE, TWO-WAY PATTERN ON -Y6A_DET- AND -Y6A- AND TRAFFIC ONTO OFFSITE DETOUR SHOWN ON TMP-02.

WHILE MAINTAINING PROPER DROP OFF, COMPLETE TIE-INS AND APPROACHES FOR -Y5-, -Y6-, AND -Y6A- PAVEMENT STRUCTURE ONLY, WHILE MAINTAINING -Y6A_DET- TRAFFIC AT ALL TIMES, UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TMP-11)

STEP 6:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 2 OF 15 AS NEEDED, PERFORM THE FOLLOWING:

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y5-, -Y6-, AND -Y6A- AS SHOWN ON TMP-11. REMOVE ANY CONFLICTING MARKINGS.

INSTALL PEDESTRIAN ADVANCE WARNING SIGNS AND DEVICES AS SHOWN ON TMP-11.

USING ROADWAY STANDARD DRAWING 1101.03 SHEET 2 OF 9 INSTALL TRAFFIC CONTROL DEVICES AS SHOWN ON TMP-11.

REMOVE THE TRAFFIC CONTROL DEVICES ON -Y5-, -Y6-, AND -Y6A-. WHILE MAINTAINING PEDESTRIAN ACCESS AS SHOWN ON TMP-08, SHIFT TRAFFIC INTO THE FINAL PATTERN ON -Y5-, -Y6-, AND -Y6A-. REMOVE ROAD CLOSURE AND DETOUR SIGNING.

USING PERMANENT BARRICADES, PERMANENTLY CLOSE OLD BATTLEGROUND ROAD FROM LAKE BRANDT ROAD TO COTSWOLD TERRACE AND COTSWOLD AVE. FROM OLD BATTLEGROUND ROAD TO LAWNDALE DR. CLOSE THE LEFT TURN LANE ON LAWNDALE DR. THAT LEADS TO COTSWOLD AVE. USING DRUMS PRIOR TO CLOSING COTSWOLD AVE.

STEP 7:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 2 OF 15, AND IN A CONTINUOUS FASHION, PERFORM THE FOLLOWING.

REMOVE -Y6A_DET- AS SHOWN ON TMP-11.
COMPLETE CURB AND GUTTER, SIDEWALK AND BERM WORK ON -Y5-, -Y6- AND -Y6A-.

PHASE II

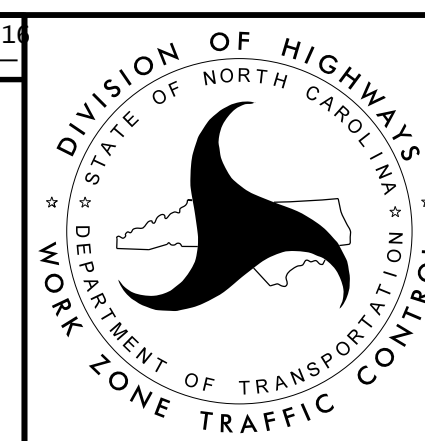
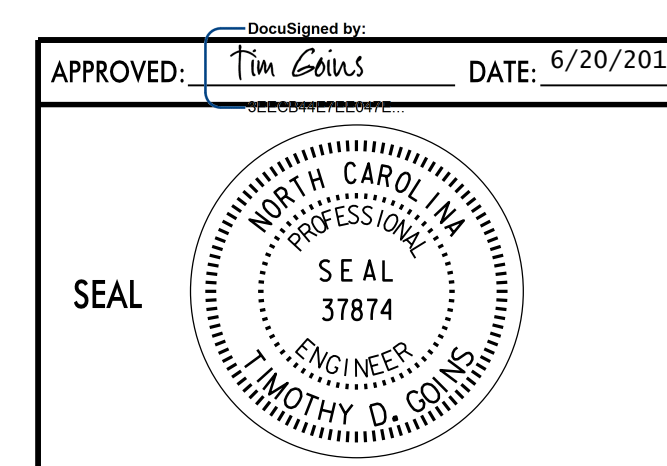
STEP 1:
SHIFT PEDESTRIAN TRAFFIC ONTO PEDESTRIAN DETOUR AS SHOWN ON TMP-11 & RDY PLANS.

STEP 2:
AWAY FROM TRAFFIC, CONSTRUCT PEDESTRIAN TRAIL / PEDESTRIAN BRIDGE AND REMOVE PORTION OF OLD BATTLEGROUND AVE. AS SHOWN ON TMP-11.

STEP 3:
OPEN PEDESTRIAN TRAIL AND BRIDGE TO PED TRAFFIC AND REMOVE ALL PED DETOUR SIGNING.

STEP 4:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 2 OF 15 AS NEEDED, COMPLETE CONSTRUCTION UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE FOR ALL AREA 2 ALIGNMENTS, AS DIRECTED BY THE ENGINEER.

PLACE FINAL PAVEMENT MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS, AS DIRECTED BY THE ENGINEER.

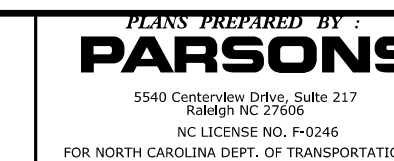


PHASING

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NOTE: THE WORK OF AREA 1, AREA 2 AND AREA 3 MAY BE PERFORMED SIMULTANEOUSLY IN ACCORDANCE WITH THE STEPS OF EACH AREA.

AREA 3



PROJ. REFERENCE NO.	SHEET NO.
U-2524D	TMP-3A

PHASE I

MAINTAIN TRAFFIC IN EXISTING PATTERN ON LAWDALE DRIVE.

STEP 1:
INSTALL WORK ZONE ADVANCE WARNING SIGNS ON ALL ROADWAYS WITHIN THE PROJECT LIMITS IN ACCORDANCE WITH ROADWAY STANDARD DRAWING 1101.01 SHEETS 2 & 3 OF 3.

STEP 2:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED, PERFORM THE FOLLOWING IN A CONTINUOUS MANNER:

INSTALL TYPE III BARRICADES THROUGHOUT PROJECT AS SHOWN IN PHASE I ON TMP-12.

INSTALL PEDESTRIAN ADVANCE WARNING SIGNS AND DEVICES AS SHOWN ON TMP-12.

CONSTRUCT PROPOSED WIDENING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT THE FOLLOWING LOCATIONS:

-Y8- LT. FROM STA. 9+35 +/- TO STA. 12+69 +/- (SEE TMP-12)
-Y8- LT. FROM STA. 24+50 +/- TO STA. 27+00 +/- (SEE TMP-12)

BEGIN CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT THE FOLLOWING LOCATIONS:

-RPBY8- FROM STA. 2+37 +/- TO STA. 10+95 +/- (SEE TMP-12)
-RPCY8- FROM STA. 5+99 +/- TO STA. 12+88 +/- (SEE TMP-12)
-SPCY8- FROM STA. 0+00 +/- TO STA. 3+55 +/- (SEE TMP-12)

CONSTRUCT PROPOSED STRUCTURES:

PROPOSED CULVERT UNDER -SPBY8- AND ADJACENT TO -RPBY8- (SEE TMP-12)
PROPOSED CULVERT UNDER -RPCY8- AND -SPCY8- (SEE TMP-12)

CONSTRUCT -Y8_DET- FROM STA. 12+00 +/- TO STA. 23+50 +/- ALONG WITH THE PROPOSED CULVERT UNDER -Y8_DET- AND -RPAY8-. (SEE TMP-12 AND NOTE ON TMP-13)

COMPLETE CONSTRUCTION OF TEMPORARY STRUCTURAL PLATE PIPE ARCH UNDER -Y8_DET-.

BEGIN INSTALLATION OF ANCHORED PORTABLE CONCRETE BARRIER ALONG -Y8_DET-. (SEE TMP-12)

COMPLETE INSTALLATION OF CHAIN LINK FENCE AT LOCATIONS SHOWN ON TMP-12.

COMPLETE CONSTRUCTION OF 18" SANITARY SEWER LINE. (SEE TMP-12)

WHILE MAINTAINING PEDESTRIAN ACCESS AT ALL TIMES, COMPLETE THE FOLLOWING WORK OF AREA 3 PHASE I STEP 3 FROM FRI. 9PM TO MON. 6AM. SEE CONTRACT TIME AND LIQUIDATED DAMAGES. REPEAT ICT AS NEEDED TO COMPLETE THE WORK.

STEP 3:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED, COMPLETE THE FOLLOWING IN A CONTINUOUS MANNER:

COMPLETE TIE-INS OF -Y8_DET- TO -Y8- AND WORK PERFORMED ON -Y8- IN STEP 2.

COMPLETE INSTALLATION ANCHORED PORTABLE CONCRETE BARRIER ALONG -Y8_DET-. (SEE TMP-12)

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y8_DET- AND TIE TO EXISTING PAVEMENT MARKINGS ON -Y8-. REMOVE ANY CONFLICTING MARKINGS ON -Y8-. (SEE TMP-14)

CLOSE SIDEWALK ALONG COTTAGE PLACE AND RT. OF LAWDALE DRIVE. (SEE TMP-14)

ADJUST PEDESTRIAN ADVANCED WARNING SIGNS. (SEE TMP-14)

INSTALL TRAFFIC CONTROL DEVICES AS SHOWN ON ROADWAY STANDARD DRAWING 1101.03, SHEET 3 OF 9 AND CLOSE -Y8- TO TRAFFIC. (SEE TMP-14)

SHIFT EXISTING TRAFFIC TO A FOUR LANE, TWO WAY PATTERN ON -Y8_DET- AND SHIFT PEDESTRIANS ONTO LT. SIDE OF -Y8_DET-. (SEE TMP-14)

PHASE II

MAINTAIN TRAFFIC ON -Y8_DET- IN A FOUR LANE, TWO WAY PATTERN AND PEDESTRIAN ACCESS LT OF -Y8_DET- AS SHOWN ON TMP-14.

STEP 1:
AWAY FROM TRAFFIC AND IN A CONTINUOUS MANNER, PERFORM THE FOLLOWING:

CONSTRUCT PROPOSED CULVERT UNDER -Y8- AND TIE TO COMPLETED CULVERT SECTION IN AREA 3 PHASE I STEP 2 UNDER -SPBY8- AND ADJACENT TO -RPBY8-. SEE TMP-14

COMPLETE CONSTRUCTION OF CULVERT PORTION UNDER -SPBY8-. (SEE TMP-14) REMOVE BYPASS CHANNEL OR DAM AND PUMP LT. -L- STA. 478+56 +/- AND DIRECT FLOW TO NEW CULVERT INLET.

PHASE II (CONT'D)

COMPLETE CONSTRUCTION OF CULVERT UNDER -Y8- AND TIE TO COMPLETED CULVERT SECTION IN AREA 3 PHASE I STEP 2 UNDER -RPCY8- AND -SPCY8-. REMOVE EXISTING CORRUGATED METAL PIPE ARCH UNDER -Y8-.

STEP 2:
BEGIN CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE AT -Y8- FROM STA. 16+50 +/- TO STA. 20+50 +/- (SEE TMP-14)

CONSTRUCT -Y8- RT. FROM STA. 9+31 +/- TO STA. 11+77 +/- (SEE TMP-14)
BEGIN CONSTRUCTION OF -RPBY8- FROM STA. 10+95 +/- TO STA. 15+98 +/- (SEE TMP-14)
BEGIN CONSTRUCTION OF -SPBY8- FROM STA. 3+40 +/- TO STA. 7+00 +/- (SEE TMP-14)
BEGIN CONSTRUCTION OF -RPCY8- FROM STA. 12+88 +/- TO STA. 16+55 +/- (SEE TMP-14)
BEGIN CONSTRUCTION OF THE 8" WATERLINE -Y8- RT. AS SHOWN ON TMP-14.

STEP 3:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED, PERFORM THE FOLLOWING IN A CONTINUOUS MANNER:

WHILE STEPPING OUT WEDGING, BEGIN CONSTRUCTION -Y8_DET_SHIFT- FROM STA. 12+46 +/- TO STA. 25+66 +/- (SEE TMP-16) AND INSTALL ADDITIONAL ANCHORED PORTABLE CONCRETE BARRIER (SEE TMP-18). (SEE NOTE ON TMP-16 AND SHEET TMP-17)

COMPLETE CONSTRUCTION OF -Y8- FROM STA. 16+50 +/- TO STA. 20+50 +/- (SEE TMP-16)
CONSTRUCT -RPBY8- FROM STA. 0+00 +/- TO 2+37 +/- AND COMPLETE CONSTRUCTION OF ALL WORK PREVIOUSLY STARTED ON -RPBY8-. (SEE TMP-16)
CONSTRUCT -RPCY8- FROM STA. 0+00 +/- TO 5+99 +/- AND COMPLETE CONSTRUCTION OF ALL WORK PREVIOUSLY STARTED ON -RPCY8-. (SEE TMP-16)
CONSTRUCT -SPCY8- FROM STA. 3+55 +/- TO STA. 4+52 +/- AND COMPLETE CONSTRUCTION OF ALL WORK PREVIOUSLY STARTED ON -SPCY8-. (SEE TMP-16)
CONSTRUCT -SPBY8- FROM STA. 0+00 +/- TO STA. 3+40 +/- AND COMPLETE CONSTRUCTION OF ALL WORK PREVIOUSLY STARTED ON -SPBY8-. (SEE TMP-16)
COMPLETE CONSTRUCTION OF THE 8" WATERLINE -Y8- RT. AS SHOWN ON TMP-16.

UPON COMPLETION OF AREA 1 PHASE II, STEP 2 COMPLETE WORK IN AREA 3 PHASE II, STEP 4.

COMPLETE THE FOLLOWING WORK IN AREA 3 PHASE II, STEP 4 FROM FRI. 9PM TO MON. 6AM. SEE CONTRACT TIME AND LIQUIDATED DAMAGES. REPEAT ICT AS NEEDED TO COMPLETE THE WORK.

STEP 4:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED AND IN A CONTINUOUS MANNER, PERFORM THE FOLLOWING:

PLACE DRUMS ALONG -Y8_DET_SHIFT- FROM STA. 14+17 +/- TO 24+63 +/- AS SHOWN ON TMP-18.

MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES WHILE THE CONTRACTOR COMPLETES THE TIE-INS ON -Y8_DET_SHIFT-. (SEE TMP-16)

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y8- SOUTHBOUND FROM STA. 13+50 +/- TO STA. 25+00 +/- (SEE TMP-18)
REMOVE ANY CONFLICTING MARKINGS ON -Y8-.
INSTALL TRAFFIC CONTROL DEVICES. CLOSE SOUTHBOUND LANES ON -Y8_DET- TO TRAFFIC. (SEE TMP-18)

UPON COMPLETION OF AREA 3, PHASE II, STEP 4, WHILE MAINTAINING NORTHBOUND TRAFFIC ON -Y8_DET- DETOUR, SHIFT SOUTHBOUND TRAFFIC ONTO ITS FINAL PATTERN ON -Y8- AS SHOWN ON TMP-18. SHIFT PEDESTRIAN ACCESS ON -Y8_DET- LT. ONTO RIGHT SIDE OF -Y8- AS SHOWN ON TMP-18.

PHASE III

MAINTAIN TRAFFIC IN TWO LANE, ONE WAY PATTERNS ON -Y8_DET- AND -Y8- RT. AND MAINTAIN PEDESTRIAN ACCESS ON RIGHT SIDE OF -Y8- AS SHOWN ON TMP-18.

STEP 1:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 7 OF 15 AS NEEDED AND IN A CONTINUOUS FASHION, PERFORM THE FOLLOWING:

REMOVE ANCHORED CONCRETE BARRIER ALONG -Y8_DET- AND -Y8-.

STEP 2:
BETWEEN DETOURED NORTHBOUND AND SOUTHBOUND TRAFFIC, USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15, CONSTRUCT WEDGING AND WIDENING ALONG -Y8- UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE. (SEE TMP-18)

COMPLETE THE FOLLOWING WORK IN PHASE III STEP 3 AND 4 FROM FRI. 9PM TO MON. 6AM. SEE CONTRACT TIME AND LIQUIDATED DAMAGES. REPEAT ICT AS NEEDED TO COMPLETE THE WORK.

STEP 3:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED, CONTRACTOR SHALL COMPLETE THE TIE-INS ON -Y8-. (SEE TMP-18)

STEP 4:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED, AND IN A CONTINUOUS MANNER, PERFORM THE FOLLOWING:

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS ON -Y8- FROM STA. 9+60 +/- TO STA. 27+00 +/- AS SHOWN ON TMP-20. REMOVE ANY CONFLICTING MARKINGS ON -Y8-.

INSTALL DRUMS AND TYPE III BARRICADES WITH 'ROAD CLOSED' SIGNS ATTACHED. CLOSE -Y8_DET- AND SHIFT NORTHBOUND TRAFFIC TO -Y8- PATTERN AS SHOWN ON TMP-20.

REMOVE SIGNS AND DEVICES CLOSING -Y8-.

UPON COMPLETION OF AREA 3, PHASE III, STEP 4, TRAFFIC WILL BE SHIFTED TO A FOUR LANE, TWO WAY TEMPORARY PATTERN ONTO -Y8- AS SHOWN ON TMP-20.

PHASE IV

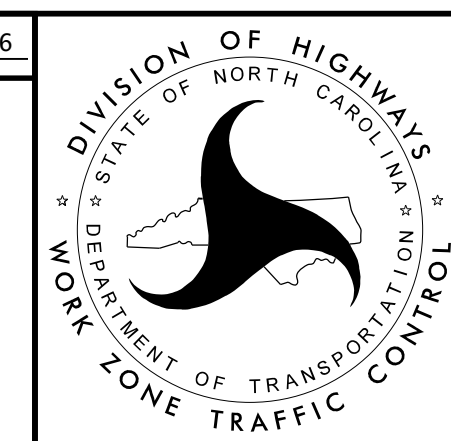
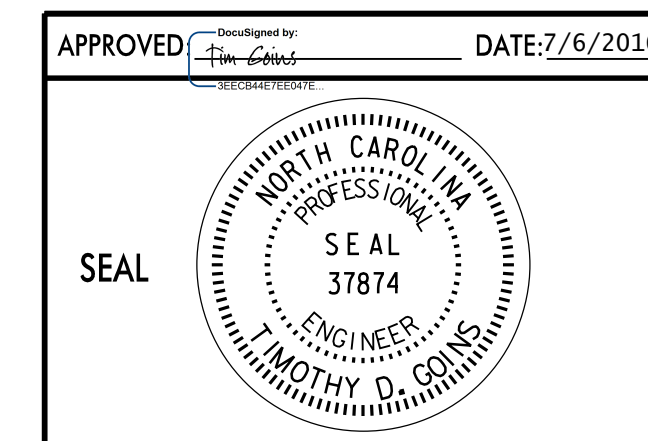
MAINTAIN TRAFFIC IN A FOUR LANE, TWO WAY TEMPORARY PATTERN ON -Y8- AND MAINTAIN PEDESTRIAN ACCESS ON RIGHT SIDE OF -Y8- AS SHOWN ON TMP-20.

STEP 1:
AWAY FROM TRAFFIC, REMOVE -Y8_DET- AND TEMPORARY STRUCTURAL PLATE PIPE ARCH AS SHOWN ON TMP-20.

UPON COMPLETION OF AREA I PHASE III, STEP 1 COMPLETE AREA 3 PHASE IV STEP 2.

STEP 2:
INSTALL ROAD CLOSURE AND DETOUR SIGNS FOR OFFSITE DETOUR AS SHOWN ON TMP-02A. COVER SIGNS.
INSTALL TRAFFIC CONTROL DEVICES FOR THE OFFSITE DETOUR AS SHOWN ON TMP-02A. REMOVE TEMPORARY BENTS FOR EASTBOUND AND WESTBOUND STRUCTURES OVER -Y8-. AFTER REMOVAL OF TEMPORARY BENTS FOR EASTBOUND AND WESTBOUND STRUCTURES OVER -Y8-, REMOVE ALL DETOUR SIGNS AND TRAFFIC CONTROL DEVICES FROM THE OFFSITE DETOUR ROUTE. SEE GENERAL NOTES FOR CONTRACT TIME AND LIQUIDATED DAMAGES.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



PHASING

NOTE: THE WORK OF AREA 1, AREA 2 AND AREA 3 MAY BE PERFORMED SIMULTANEOUSLY IN ACCORDANCE WITH THE STEPS OF EACH AREA.

AREA 3

PLANS PREPARED BY:
PARSONS
5540 Centerville Drive, Suite 217
Raleigh, NC 27608
NC LICENSE NO. F-0248
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJ. REFERENCE NO.	SHEET NO.
U-2524D	TMP-3B

PHASE IV (CONT'D)

STEP 3:
AWAY FROM TRAFFIC AND IN A CONTINUOUS MANNER USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED, PERFORM THE FOLLOWING:

CONSTRUCT UP TO THE EDGE OF -Y8- AT THE FOLLOWING LOCATIONS:

- RPAY8- FROM STA. 10+00 +/- TO STA. 14+28 +/-
- RPDY8- FROM STA. 11+00 +/- TO STA. 14+33 +/-
- SPAY8- FROM STA. 0+00 +/- TO STA. 4+62 +/-
- SPDY8- FROM STA. 0+00 +/- TO STA. 3+07 +/-

USING ROADWAY STANDARD 1101.02 SHEET 3 OF 15 AS NEEDED, PERFORM THE FOLLOWING:

PLACE TEMPORARY PAVEMENT MARKINGS AND MARKERS IN THE FINAL PATTERN AS SHOWN IN THE PAVEMENT MARKING PLANS ALONG -Y8-.

INSTALL THE KEYED-IN MONOLITHIC ISLANDS ON -Y8- AS SHOWN IN THE ROADWAY PLANS.

INSTALL SIGNS FOR FINAL PATTERN ON -Y8-.

STEP 4:
USING ROADWAY STANDARD DRAWING 1101.02 SHEET 3 OF 15 AS NEEDED, COMPLETE THE FOLLOWING:

PLACE THE FINAL LIFT OF SURFACE COURSE THROUGHOUT THE LIMITS OF -Y8- AND ADJOINING RAMPS. (SEE ROADWAY PLANS FOR LOCATIONS)

PLACE THE FINAL PAVEMENT MARKINGS IN THE FINAL PATTERN ON -Y8- AND ADJOINING RAMPS AS SHOWN IN THE PAVEMENT MARKING PLANS.

STEP 5:
UPON PROJECT ACCEPTANCE BY THE ENGINEER, OPEN ALL ROADWAYS TO FINAL TRAFFIC PATTERN

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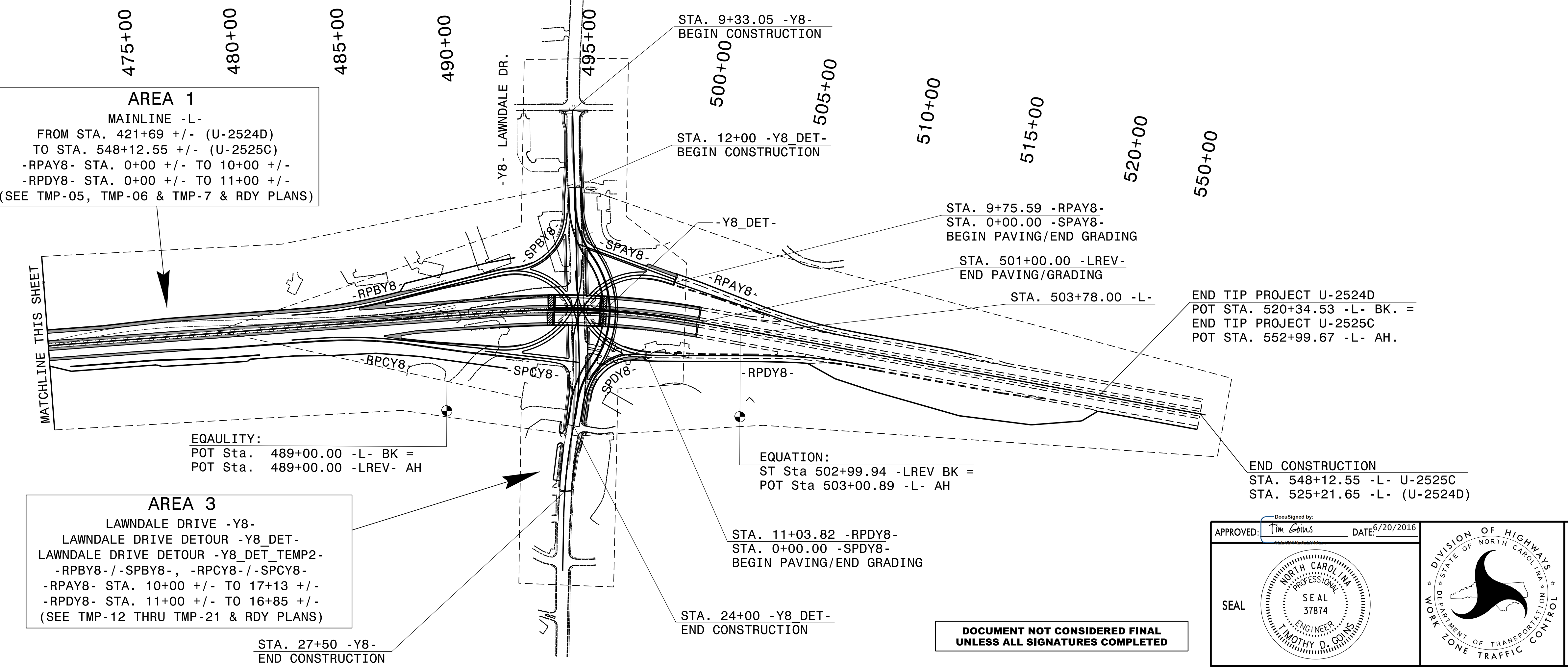
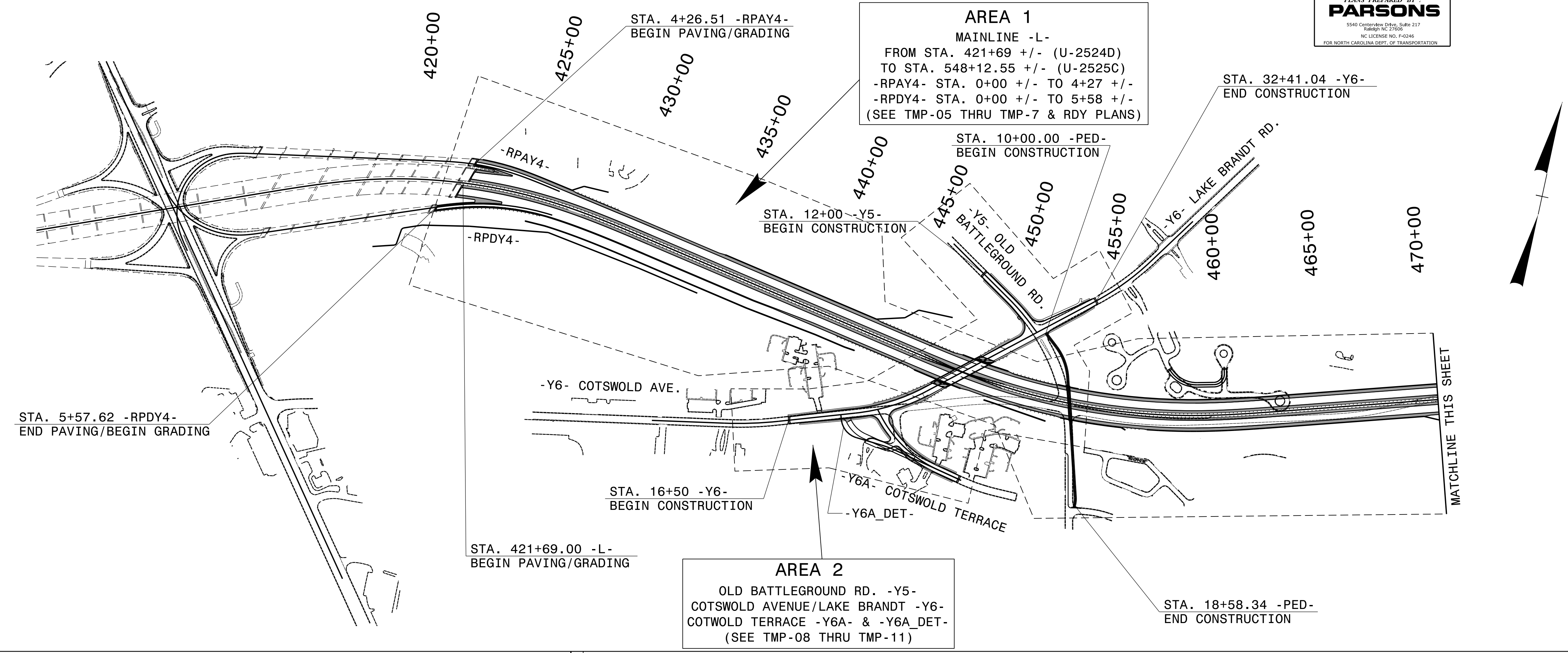
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UNLESS ALL SIGNATURES COMPLETED**

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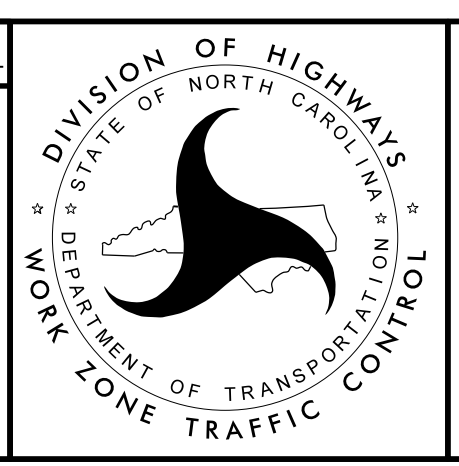
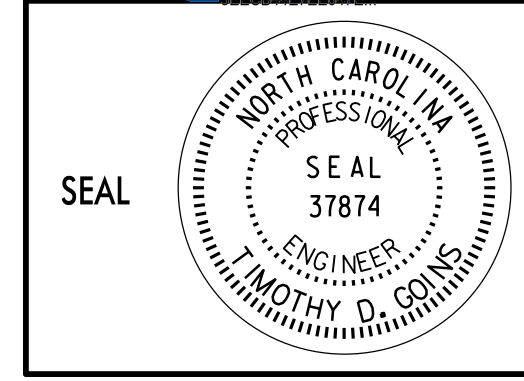
PLANS PREPARED BY
PARSONS
5540 Centerville Drive, Suite 217
Raleigh, NC 27606
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJ. REFERENCE NO.	SHEET NO.
U-2524D	TMP-04



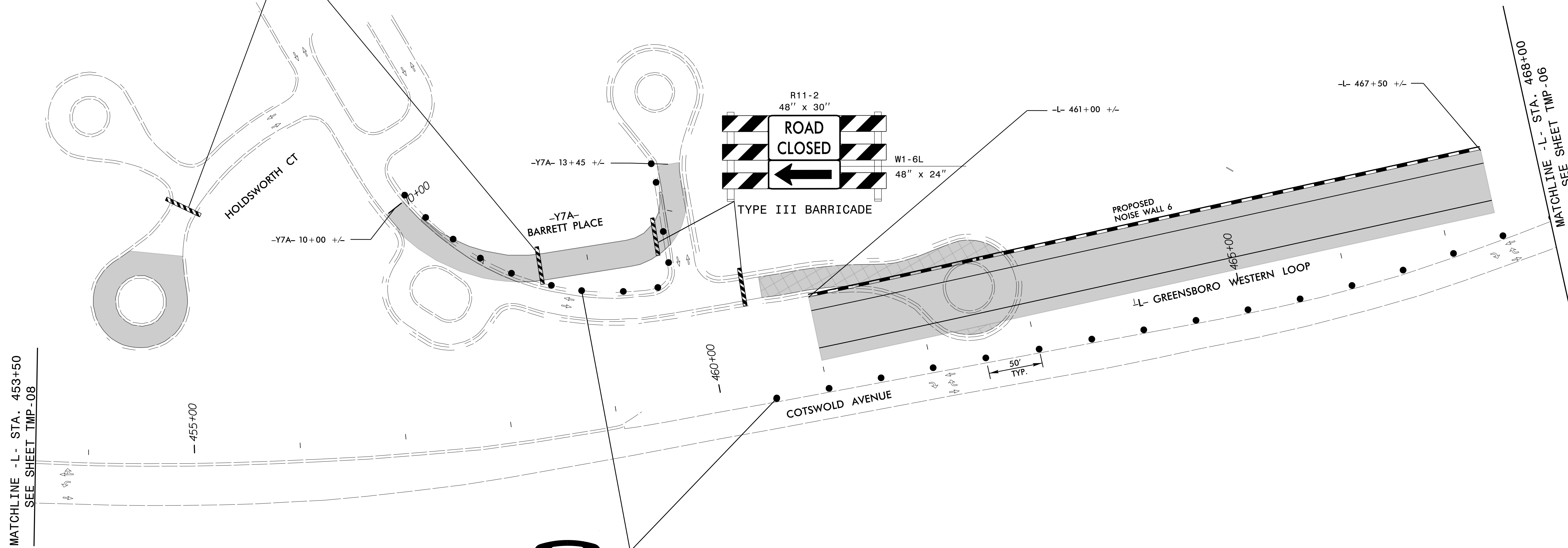
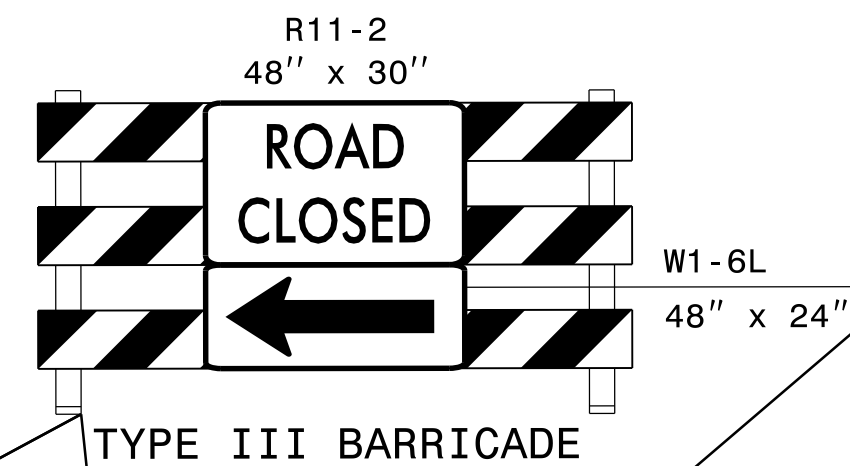
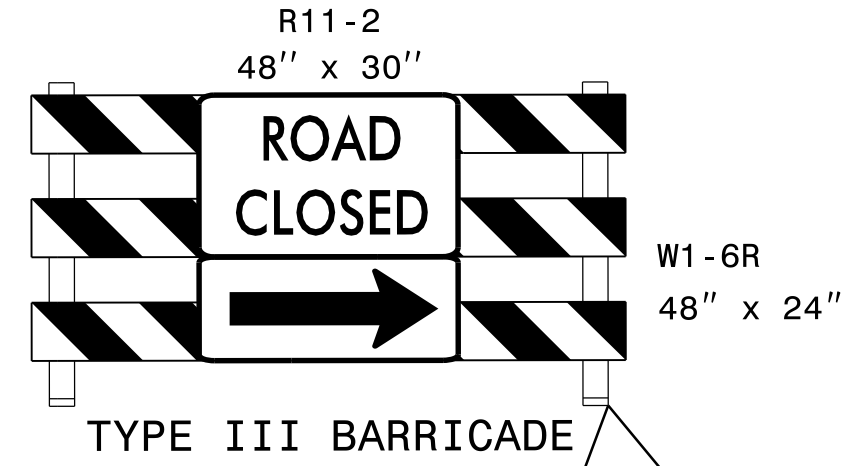
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APPROVED: *Tim Lewis* DATE 6/20/2016



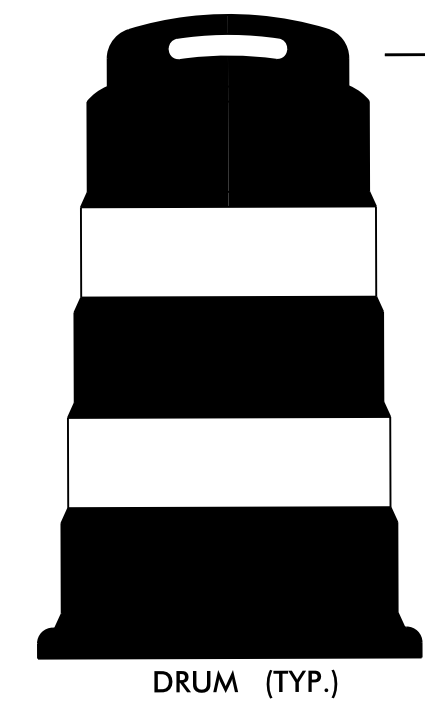
PROJECT LAYOUT
& AREA OVERVIEW

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



MATCHLINE - L - STA. 453+50
SEE SHEET TMP-08

MATCHLINE - L - STA. 468+00
SEE SHEET TMP-06

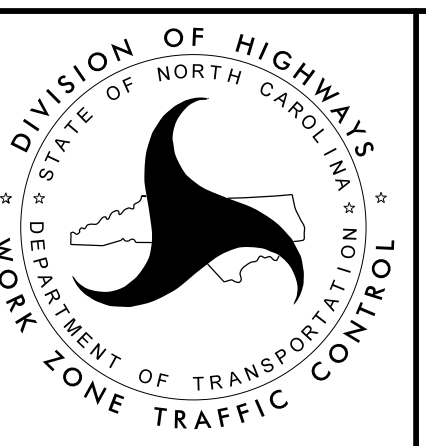


LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

APPROVED: Tim Gools DATE: 6/20/2016

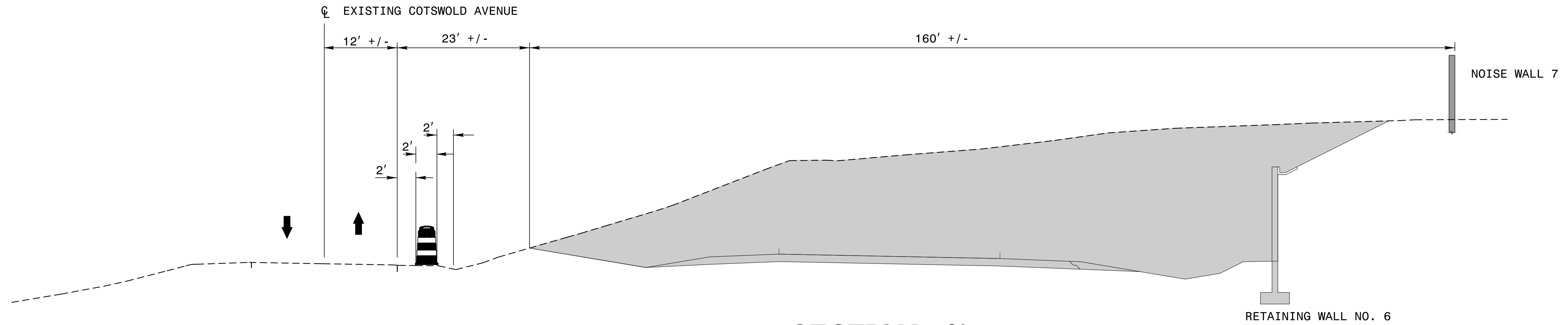
SEAL



**AREA 1
PHASE I**

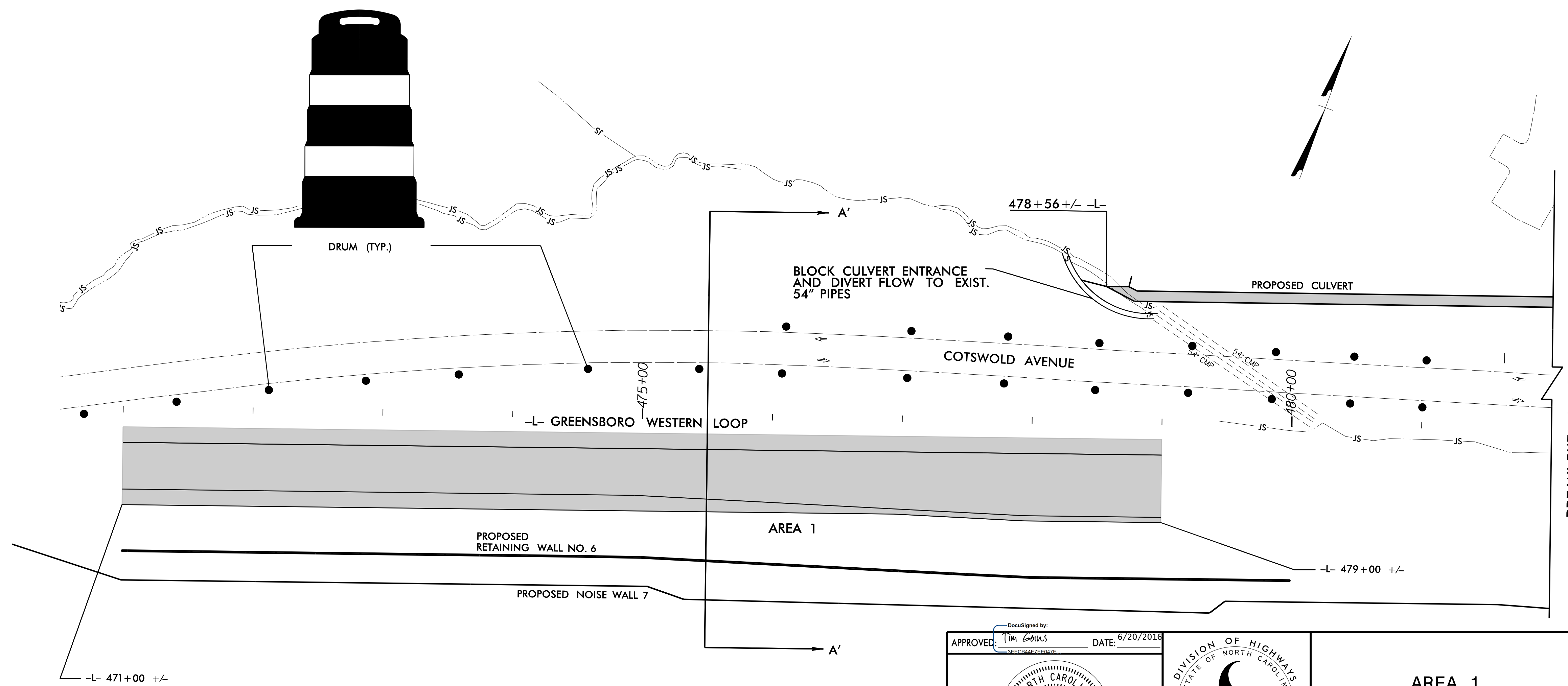
**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

7/2/09
 I7-JUN-2016 16:07
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SECTION A'
-L- STA. 475 + 50.00

MATCHLINE -L- STA. 468+00
 SEE SHEET TMP-05

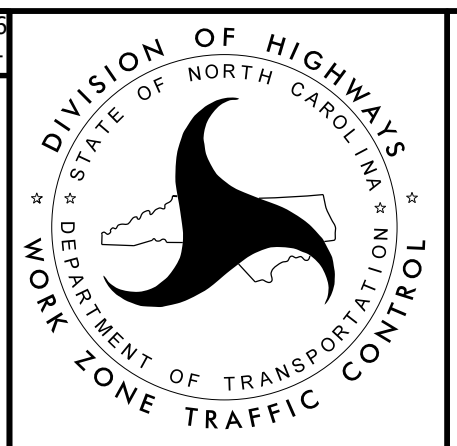


LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

APPROVED: DATE: 6/20/2016

SEAL

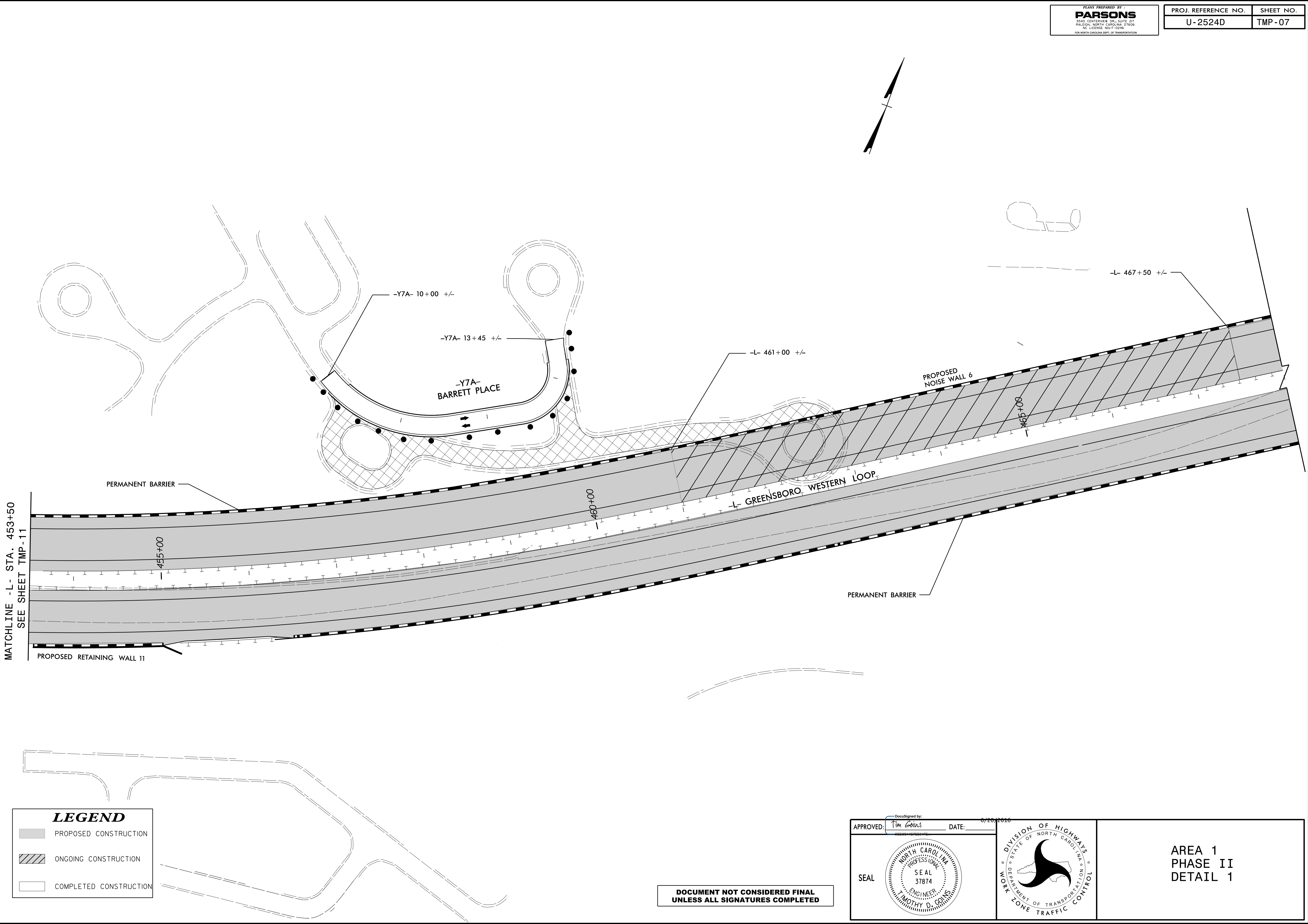


**AREA 1
 PHASE I**

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

7/2/99
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7/2/99
I7-JUN-2016 16:07
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LEGEND

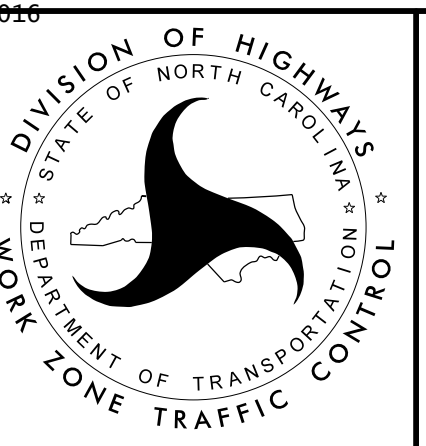
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	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

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

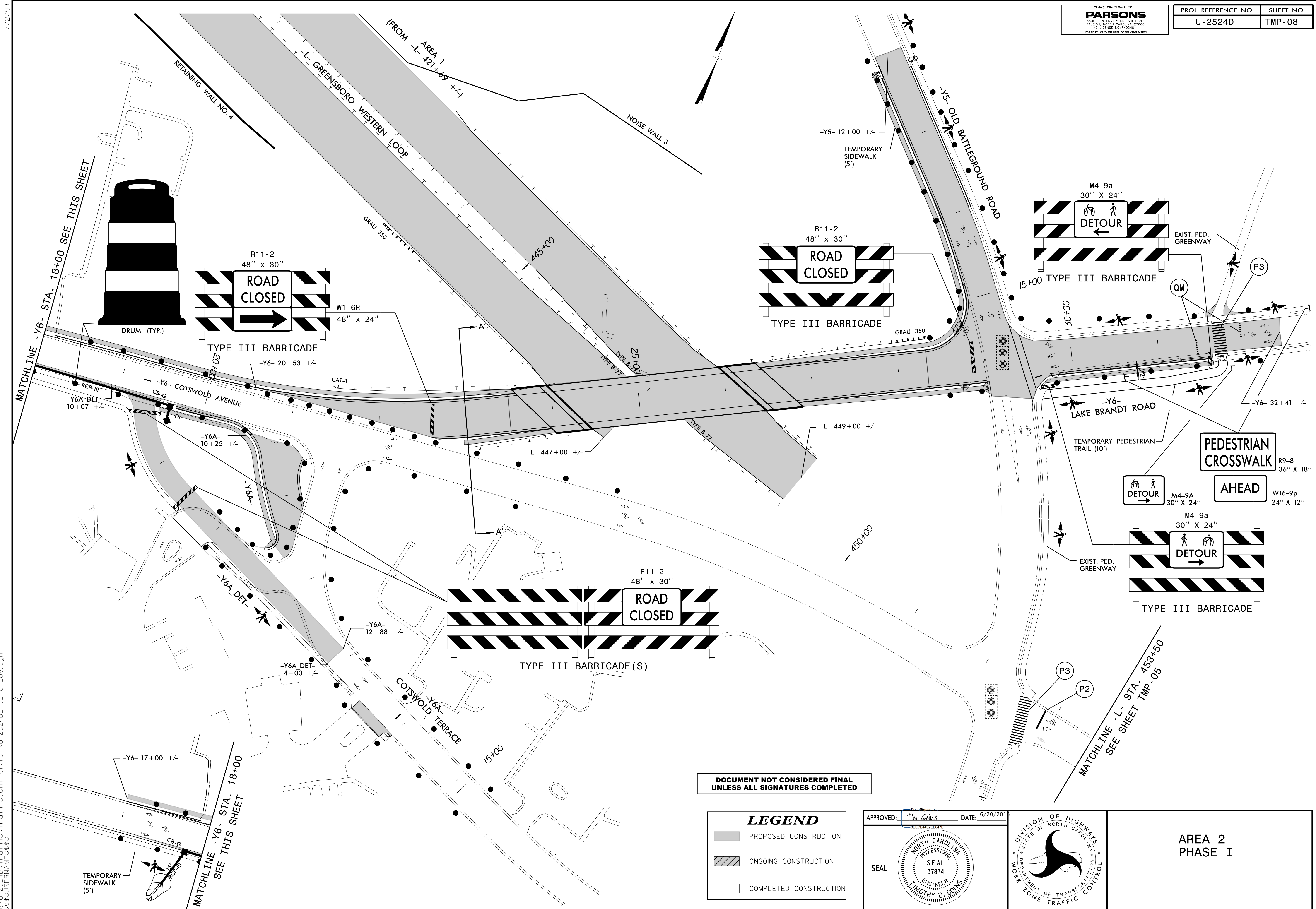
APPROVED: Tim Collins DATE: 6/26/2016

DocuSigned by:
Tim Collins

SEAL



**AREA 1
PHASE II
DETAIL 1**



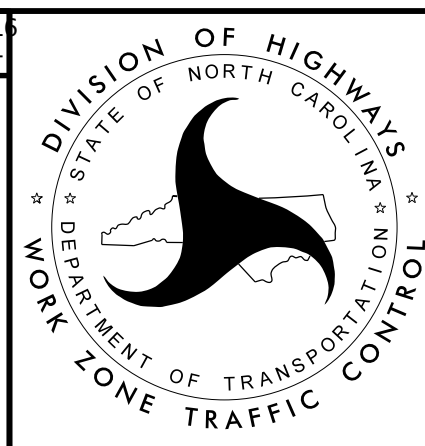
DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

APPROVED: Tim Collins DATE: 6/20/2016

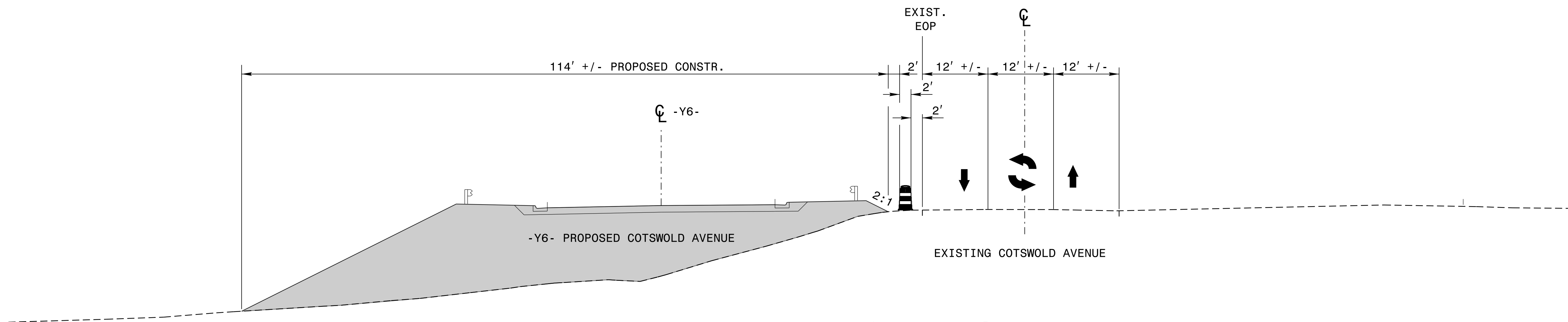
SEAL



**AREA 2
PHASE I**

17-JUN-2016 16:07
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7/2/99



SECTION A'
-Y6- STA. 23+00.00

LEGEND

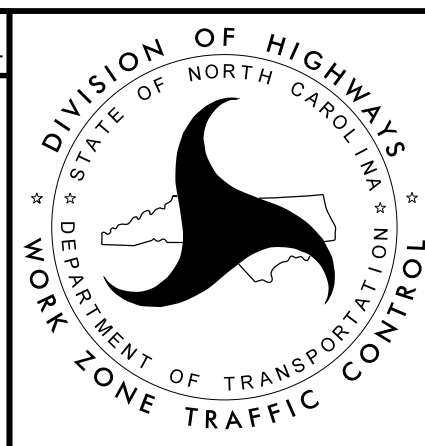
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	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

7/2/99
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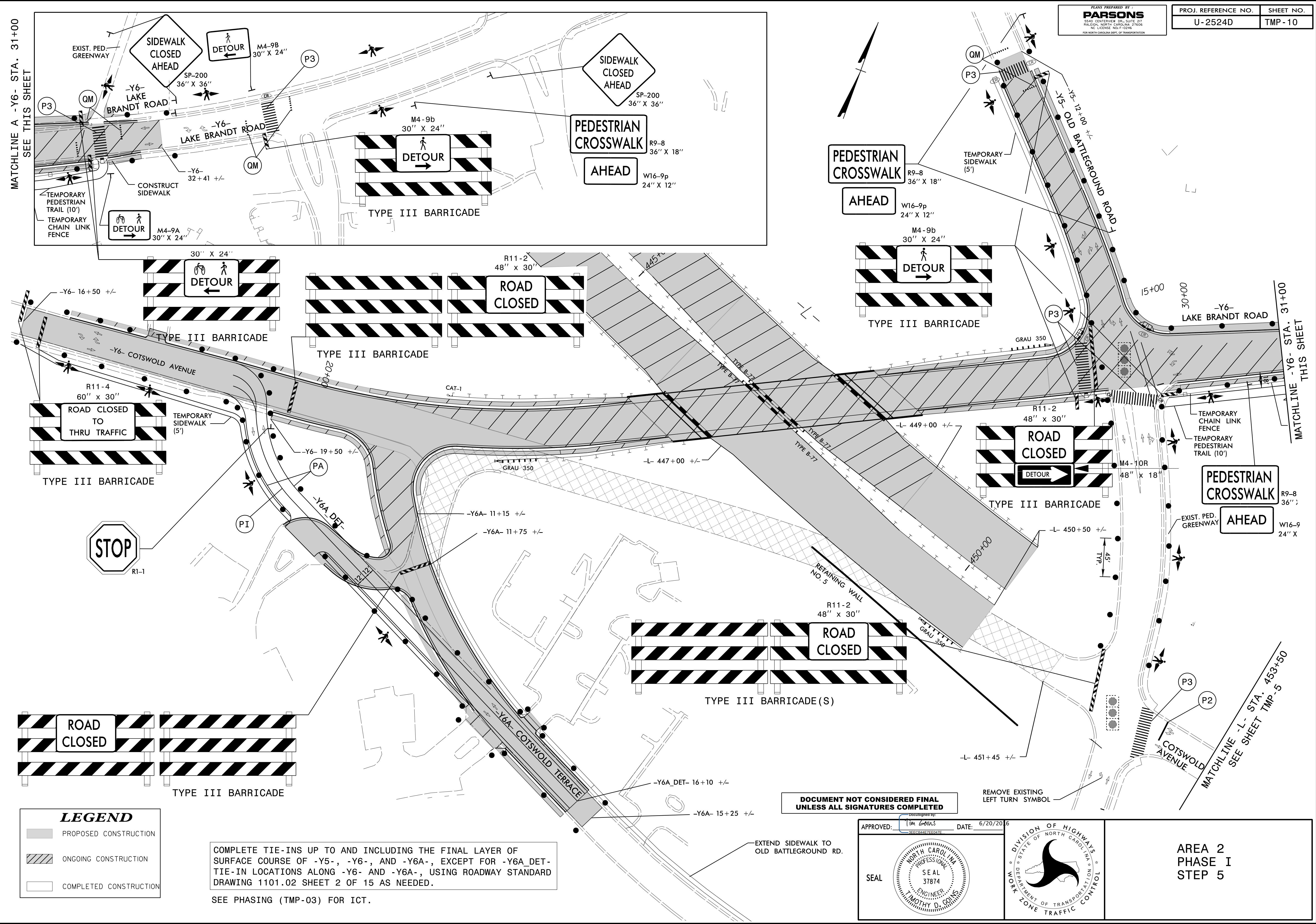
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

APPROVED: Tim Eulus DATE: 6/20/2016

SEAL



**AREA 2
 PHASE I
 DETAIL 2
 SECTION VIEW**



LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

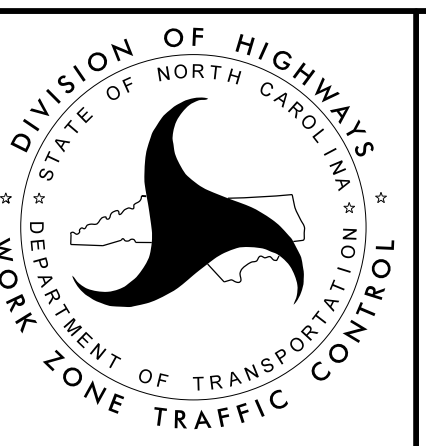
COMPLETE TIE-INS UP TO AND INCLUDING THE FINAL LAYER OF SURFACE COURSE OF -Y6-, -Y6A-, AND -Y6A-, EXCEPT FOR -Y6A DET-TIE-IN LOCATIONS ALONG -Y6- AND -Y6A-, USING ROADWAY STANDARD DRAWING 1101.02 SHEET 2 OF 15 AS NEEDED.

SEE PHASING (TMP-03) FOR ICT.

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

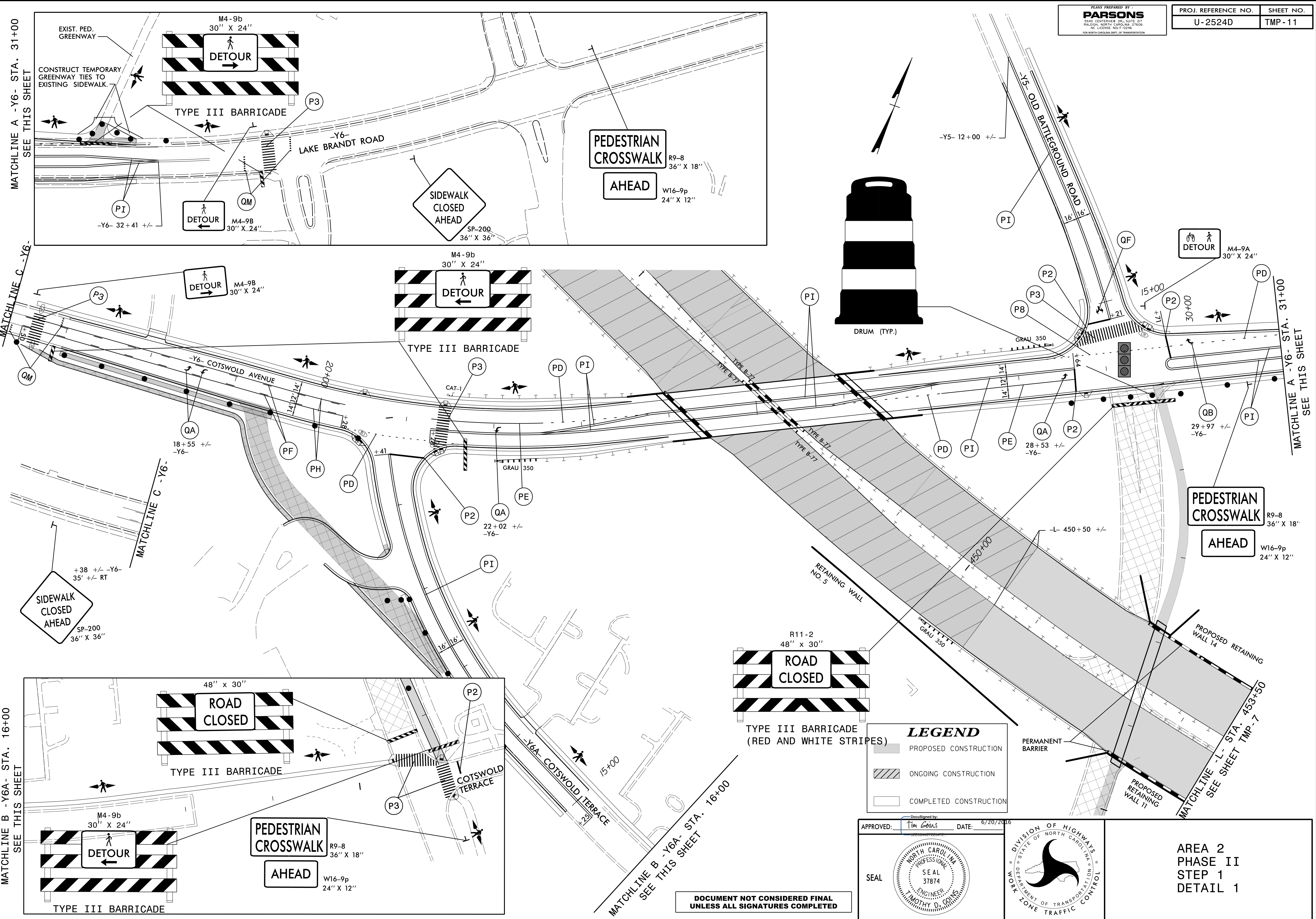
APPROVED: DATE: 6/20/2016

SEAL:



**AREA 2
PHASE 1
STEP 5**

7/2/09
 MATCHLINE A -Y6- STA. 31+00
 SEE THIS SHEET
 I7-JUN-2016 16:07
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 \$\$\$USERNAME\$\$\$



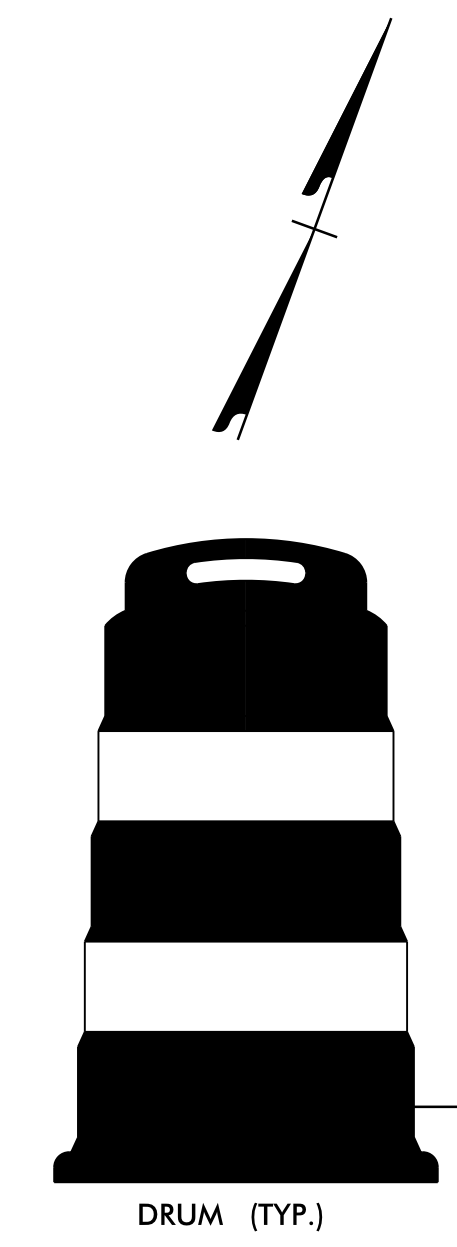
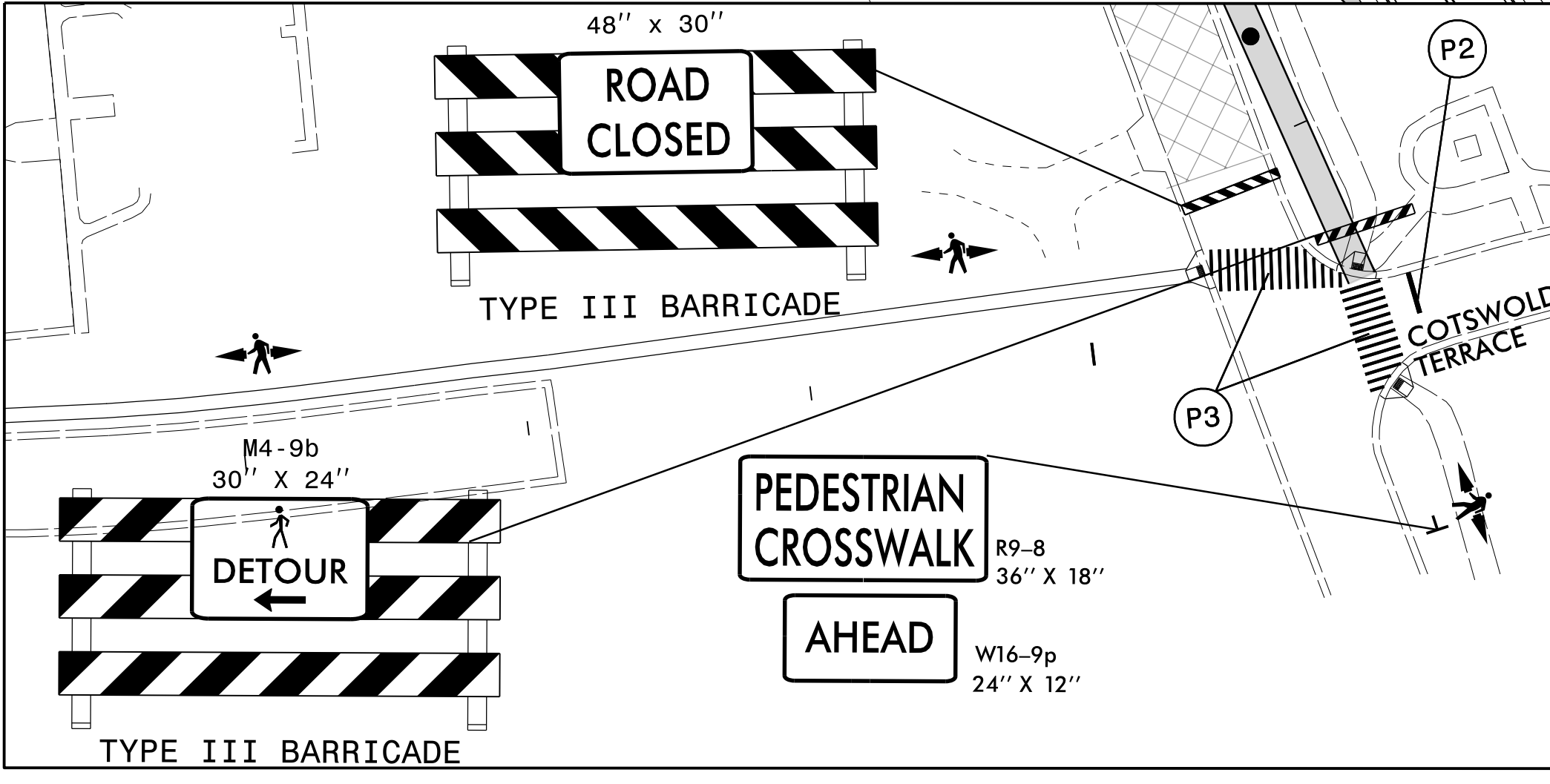
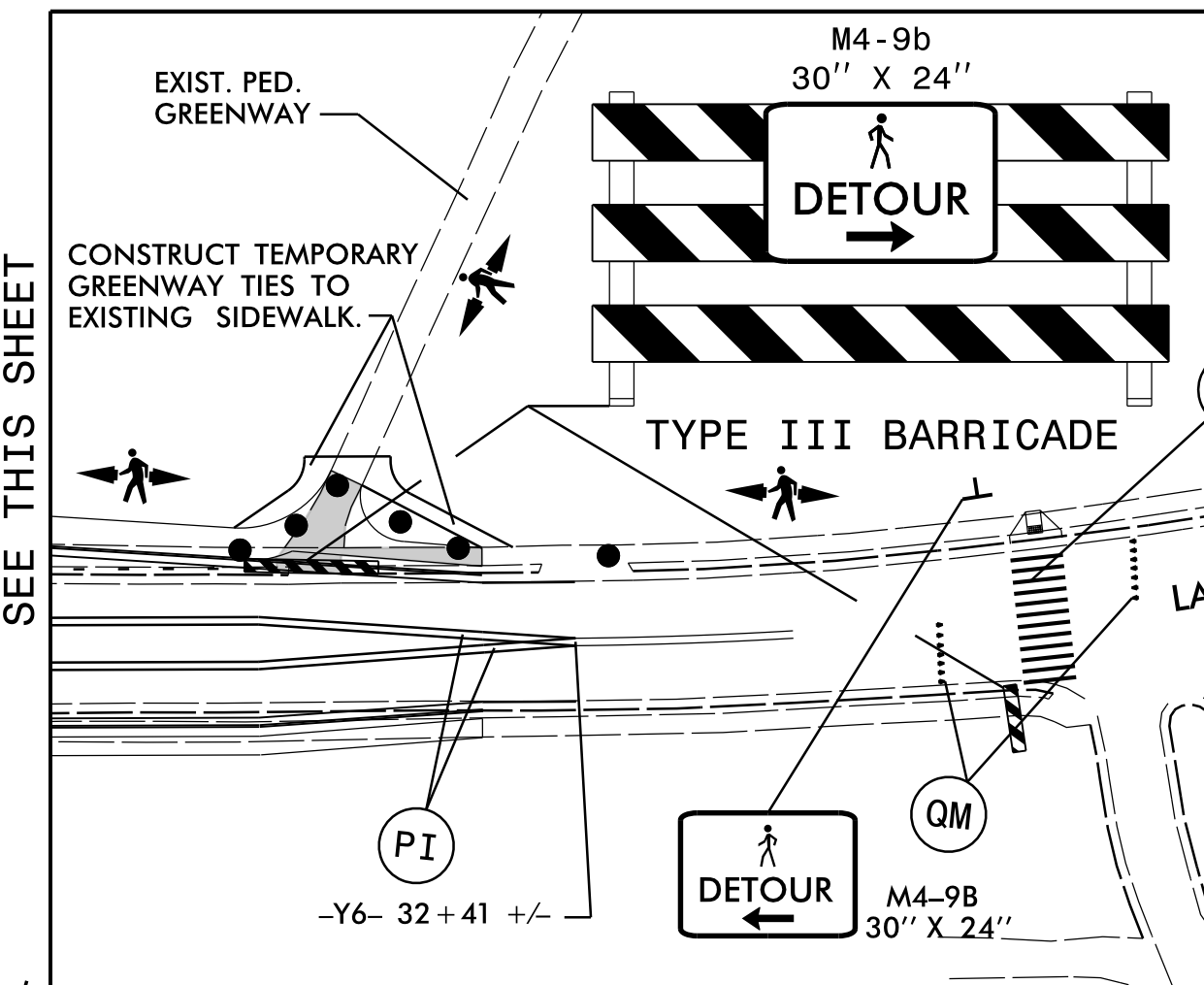
MATCHLINE A -Y6- STA. 31+00
SEE THIS SHEET

MATCHLINE C -Y6-

MATCHLINE B -Y6A- STA. 16+00
SEE THIS SHEET

MATCHLINE A -Y6- STA. 31+00
SEE THIS SHEET

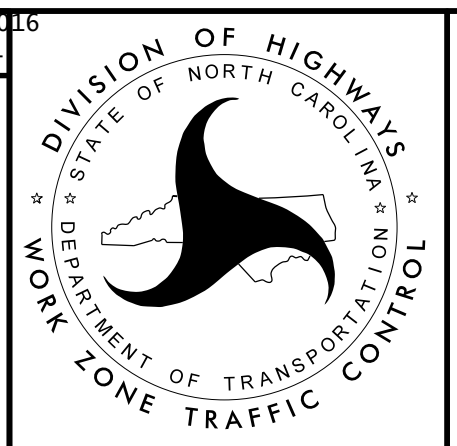
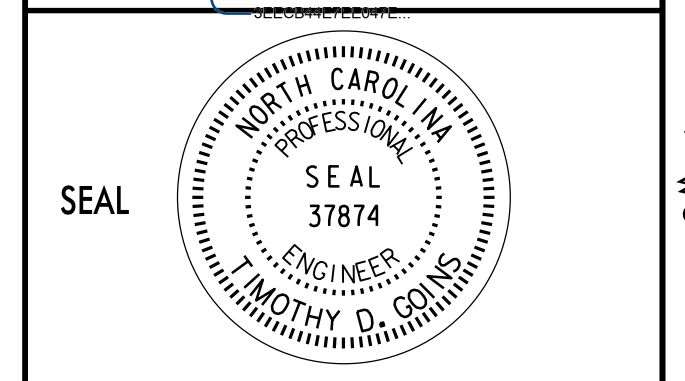
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JUN-2016 16:08
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LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

APPROVED: *Tim Gains* DATE: 6/20/2016

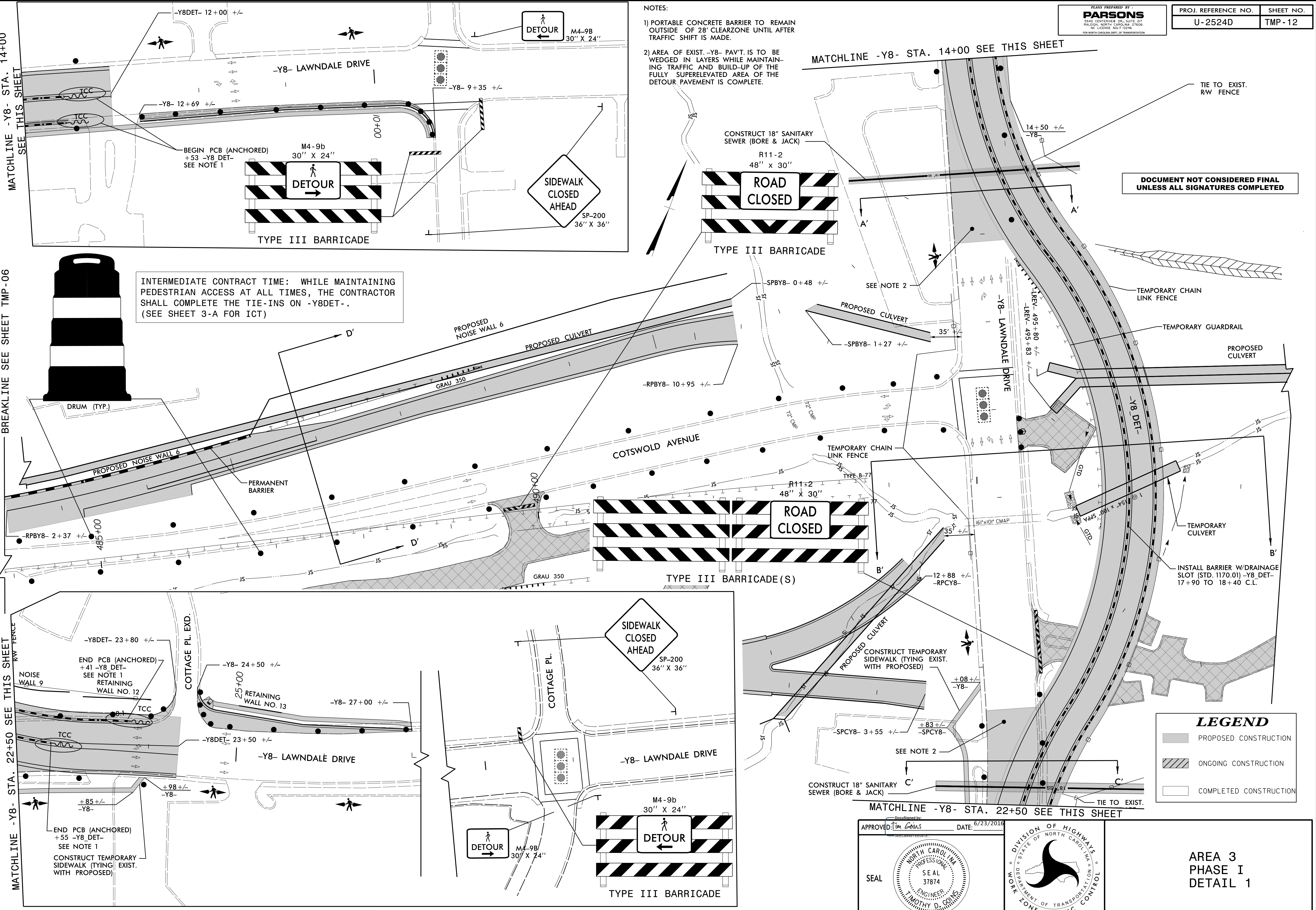


AREA 2
PHASE II
STEP 1
DETAIL 1

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

NOTES:

- 1) PORTABLE CONCRETE BARRIER TO REMAIN OUTSIDE OF 28' CLEARZONE UNTIL AFTER TRAFFIC SHIFT IS MADE.
- 2) AREA OF EXIST. -Y8- PAV'T. IS TO BE WEDGED IN LAYERS WHILE MAINTAINING TRAFFIC AND BUILD-UP OF THE FULLY SUPERELEVATED AREA OF THE DETOUR PAVEMENT IS COMPLETE.



MATCHLINE -Y8- STA. 14+00 SEE THIS SHEET

BREAKLINE SEE SHEET TMP-06

MATCHLINE -Y8- STA. 22+50 SEE THIS SHEET

MATCHLINE -Y8- STA. 14+00 SEE THIS SHEET

MATCHLINE -Y8- STA. 22+50 SEE THIS SHEET

INTERMEDIATE CONTRACT TIME: WHILE MAINTAINING PEDESTRIAN ACCESS AT ALL TIMES, THE CONTRACTOR SHALL COMPLETE THE TIE-INS ON -Y8DET-. (SEE SHEET 3-A FOR ICT)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

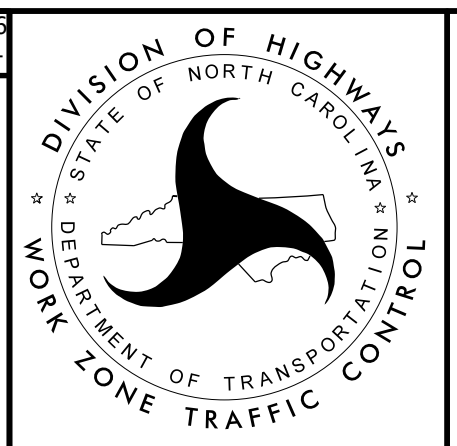
LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

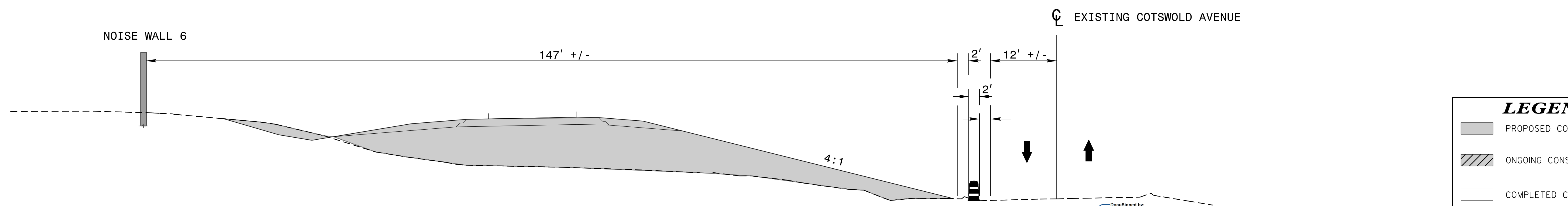
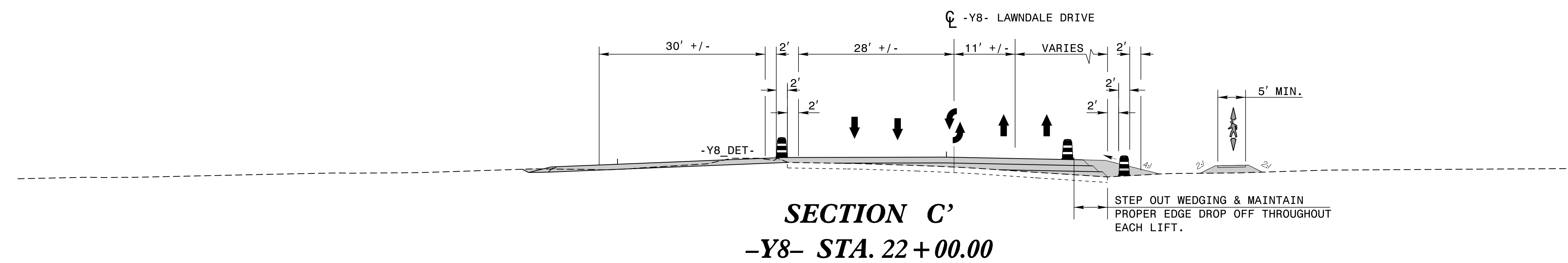
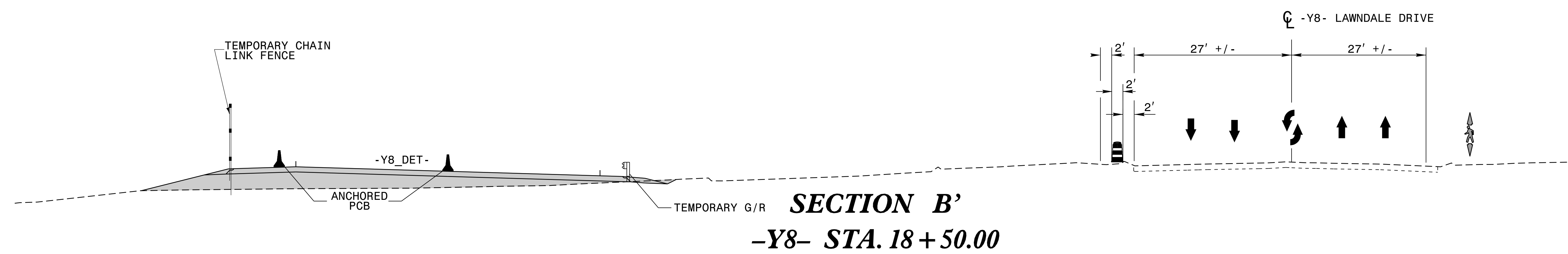
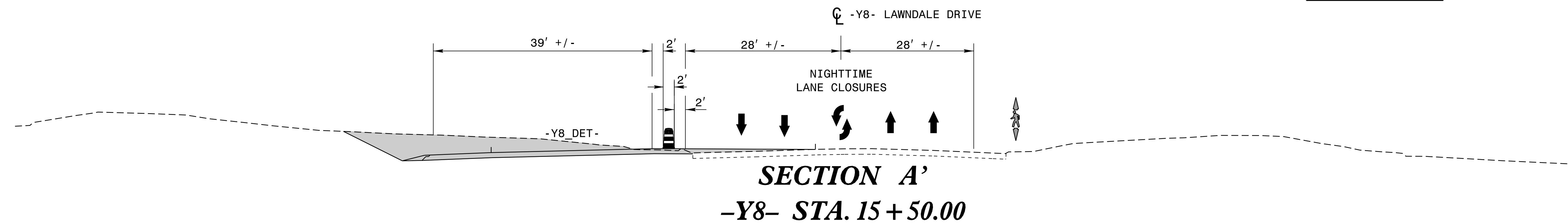
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APPROVED: DATE: 6/23/2016

SEAL:



AREA 3
PHASE I
DETAIL 1



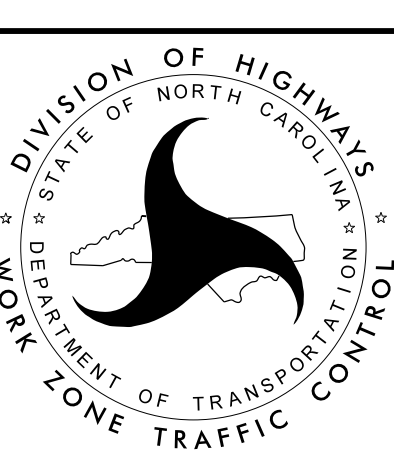
NOTE: AREA 1 - PHASE 1

LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

APPROVED: Tim Conins DATE: 07/20/2016

SEAL

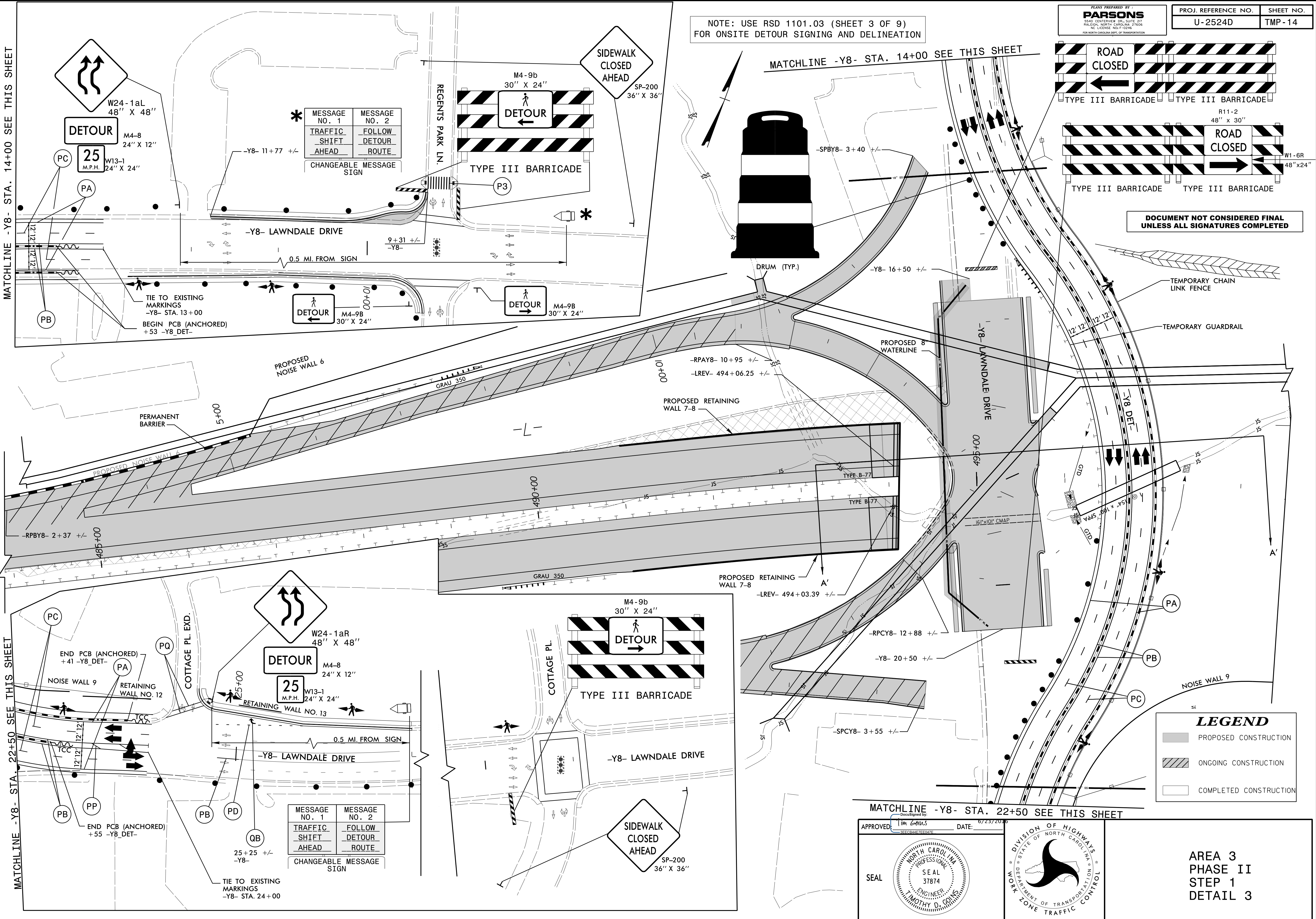
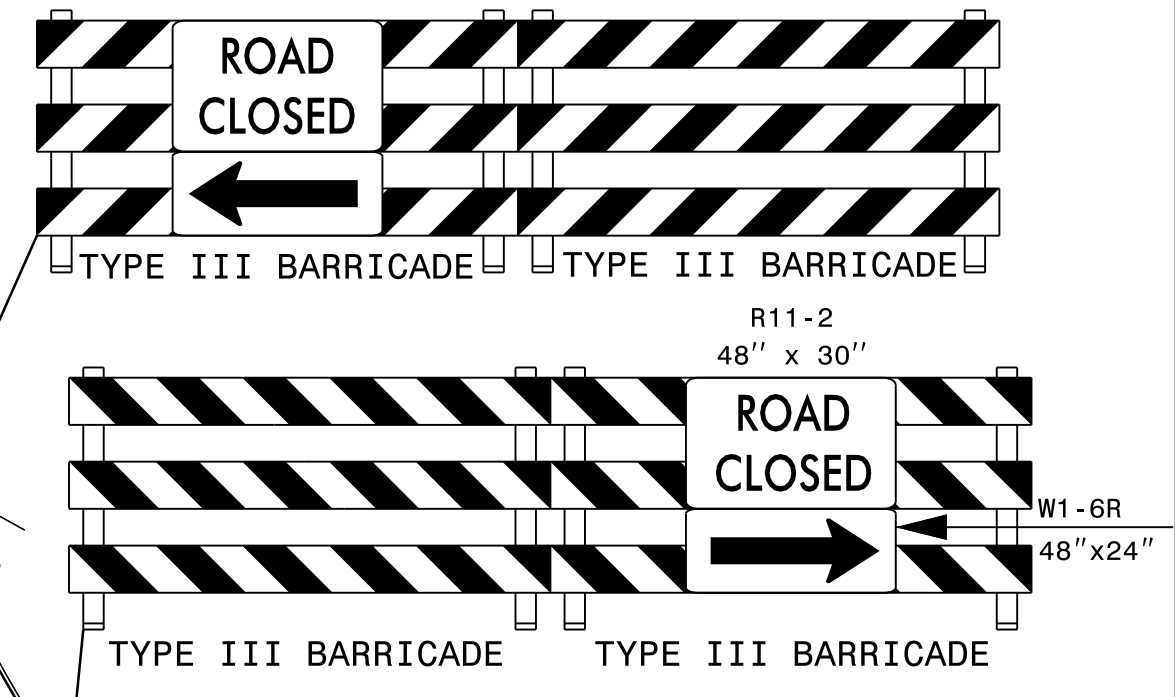


AREA 3
PHASE I
DETAIL 2
SECTION VIEW

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

7/2/19
I7-JUN-2016 16:08
J:\U-2524D\TrafficControl\U-2524D-Tc_TCP_13.dgn
\$\$\$\$\$USERNAME\$\$\$\$\$

NOTE: USE RSD 1101.03 (SHEET 3 OF 9)
FOR ONSITE DETOUR SIGNING AND DELINEATION



MESSAGE NO. 1	MESSAGE NO. 2
TRAFFIC SHIFT AHEAD	FOLLOW DETOUR ROUTE
CHANGEABLE MESSAGE SIGN	

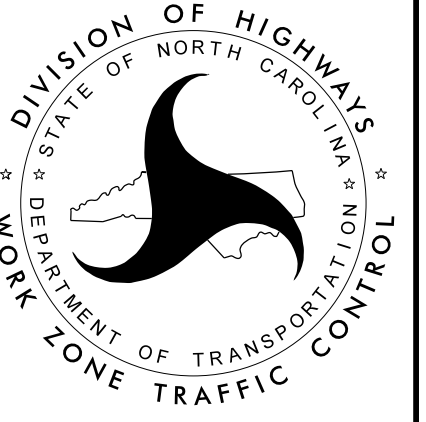
MESSAGE NO. 1	MESSAGE NO. 2
TRAFFIC SHIFT AHEAD	FOLLOW DETOUR ROUTE
CHANGEABLE MESSAGE SIGN	

LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

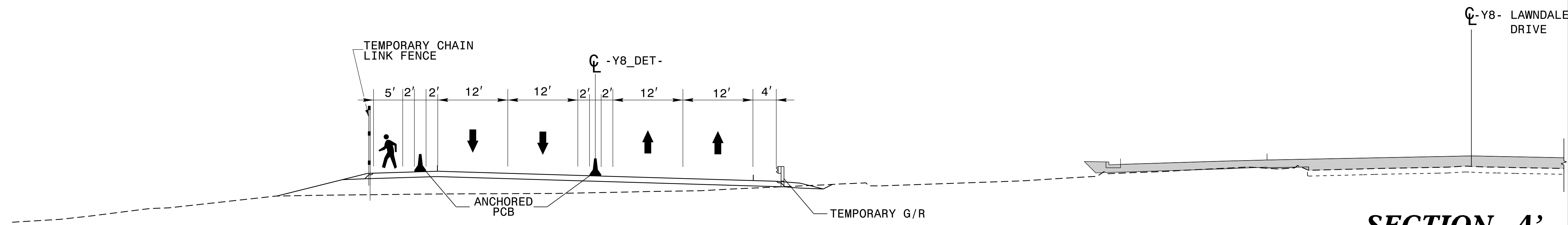
APPROVED:

DATE: 6/23/2016



AREA 3
PHASE II
STEP 1
DETAIL 3

7/2/19
 23-JUN-2016 09:36
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SECTION A'
-Y8- STA. 18+50.00

LEGEND

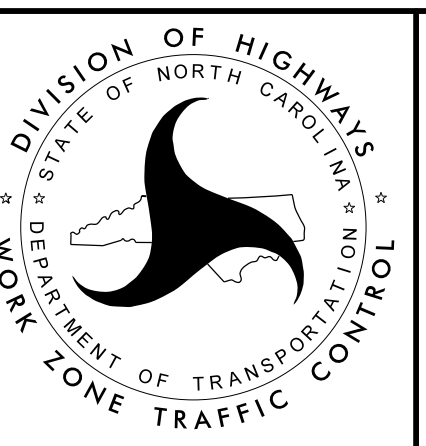
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	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

7/2/99
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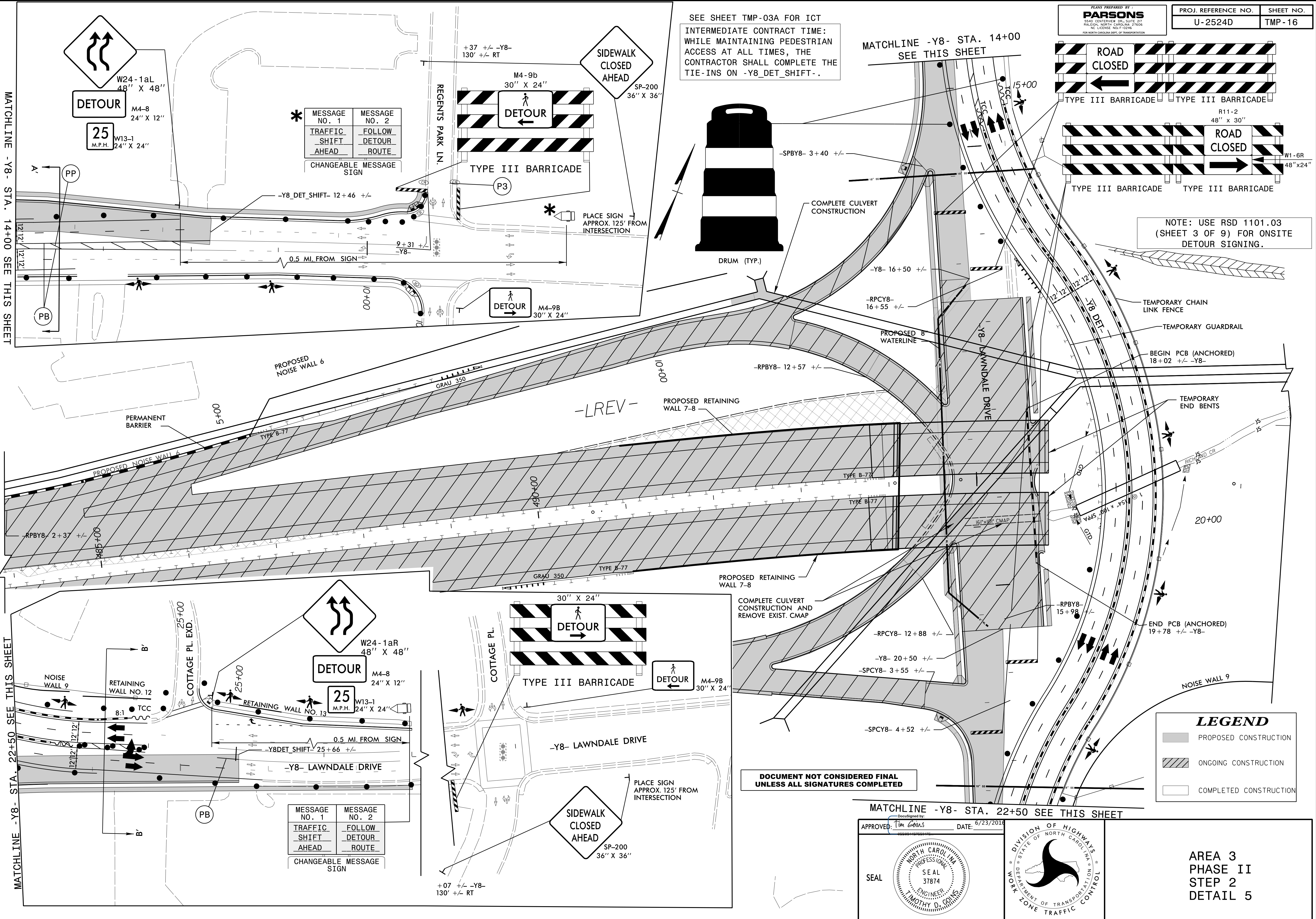
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 UNLESS ALL SIGNATURES COMPLETED**

APPROVED: DATE: 6/20/2016

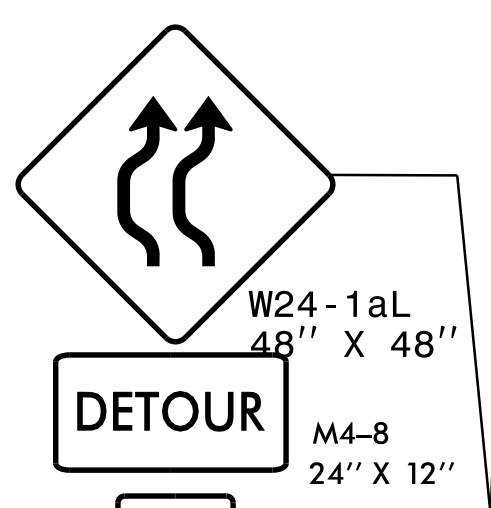
SEAL



**AREA 3
 PHASE II STEP 1
 DETAIL 6
 SECTION VIEW**

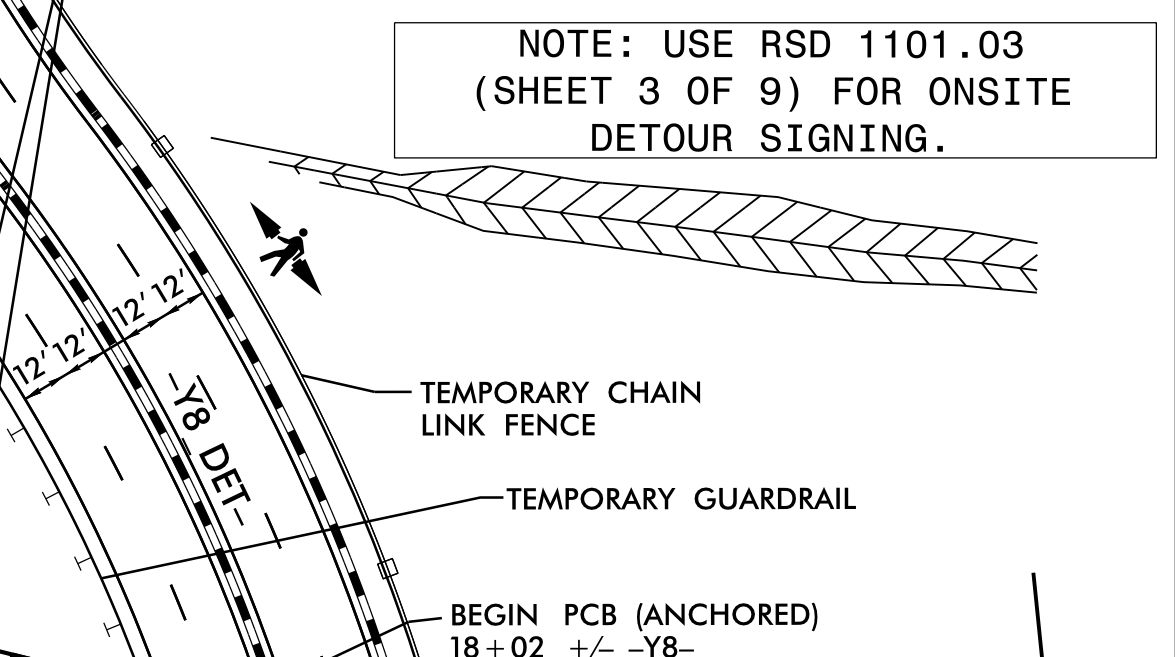
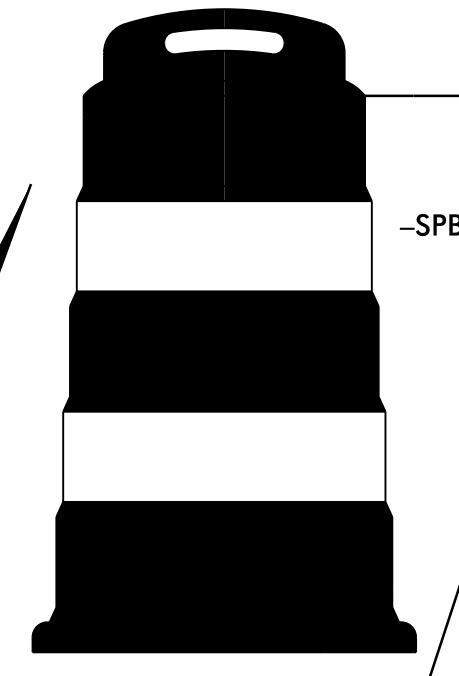
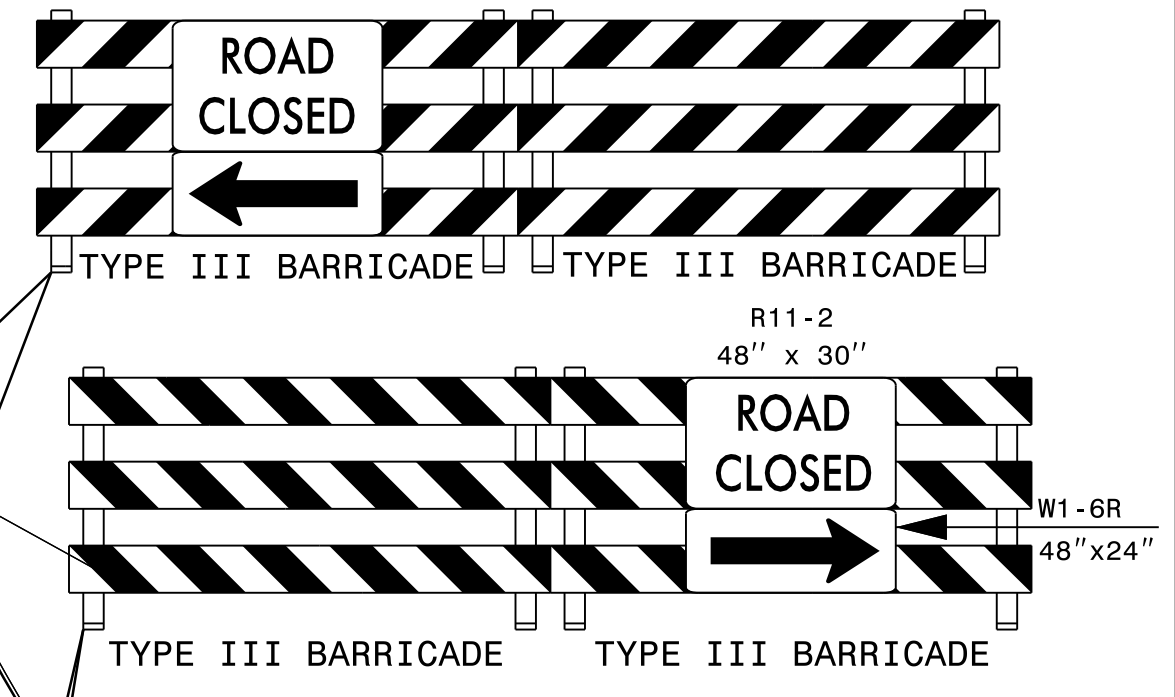
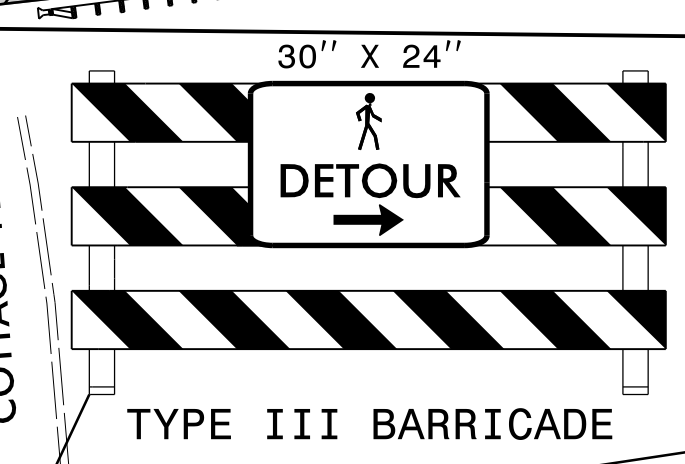
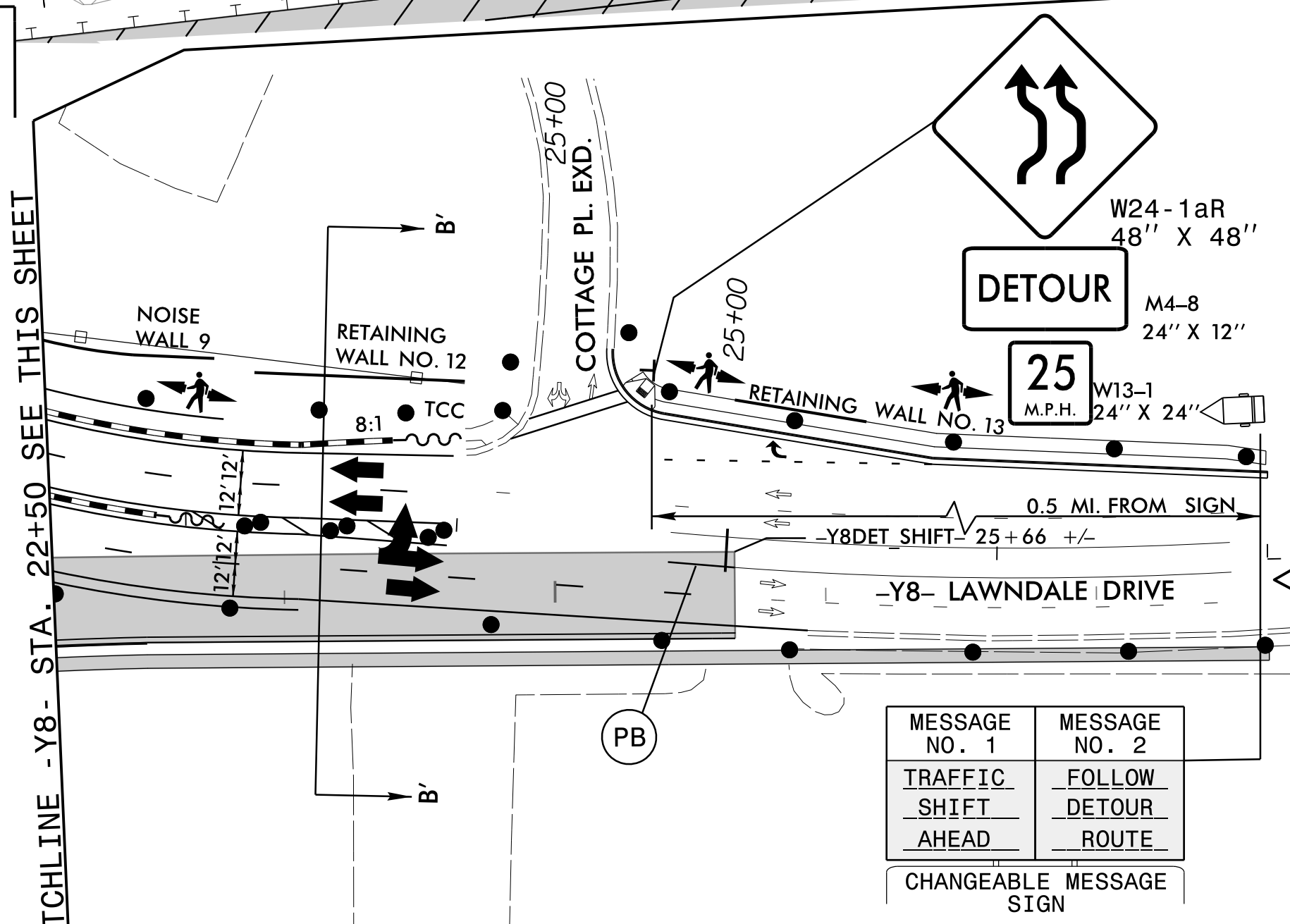
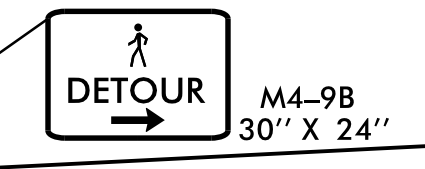
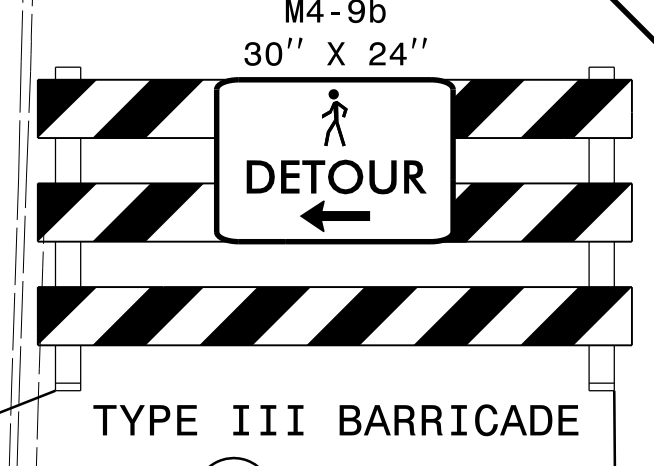


7.12.19.9
 MATCHLINE -Y8- STA. 14+00 SEE THIS SHEET
 MATCHLINE -Y8- STA. 22+50 SEE THIS SHEET
 23-JUN-2016 09:36
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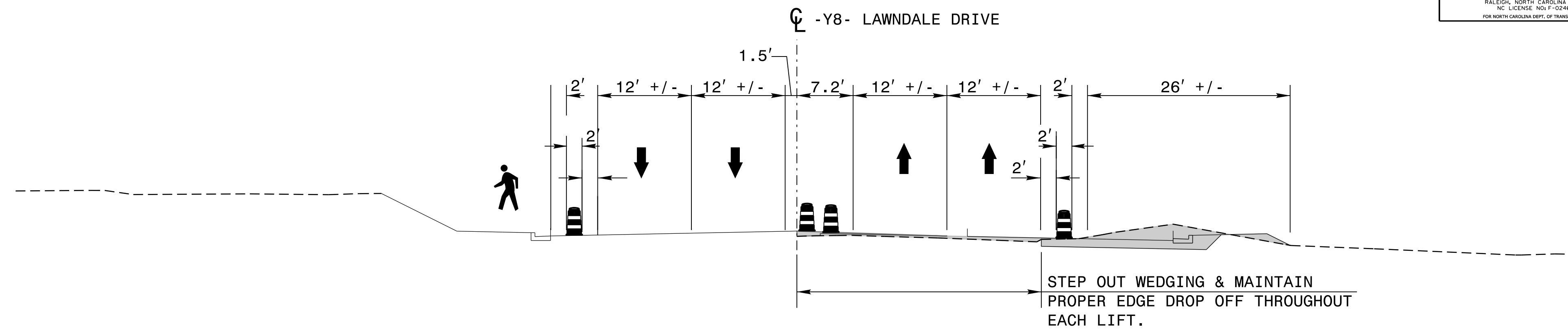


MESSAGE NO. 1	MESSAGE NO. 2
TRAFFIC SHIFT AHEAD	FOLLOW DETOUR ROUTE

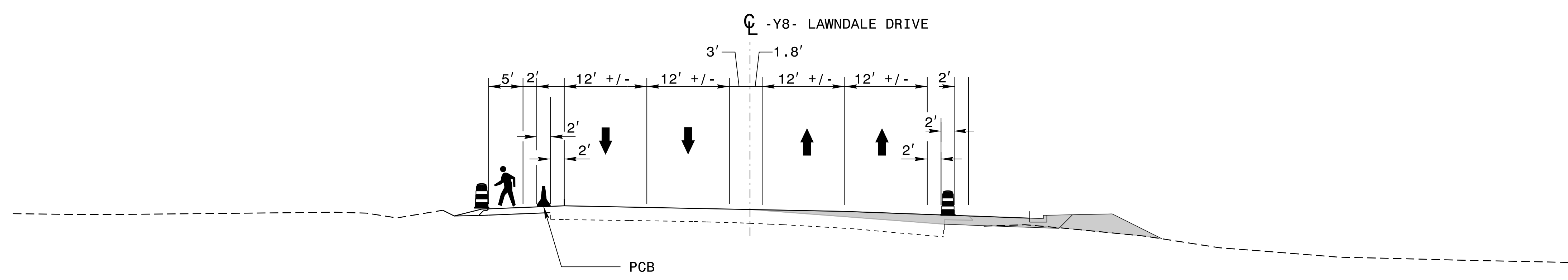
CHANGEABLE MESSAGE SIGN



MATCHLINE -Y8- STA. 22+50 SEE THIS SHEET



SECTION A'
-Y8- STA. 13+50.00



SECTION B'
-Y8- STA. 23+50.00

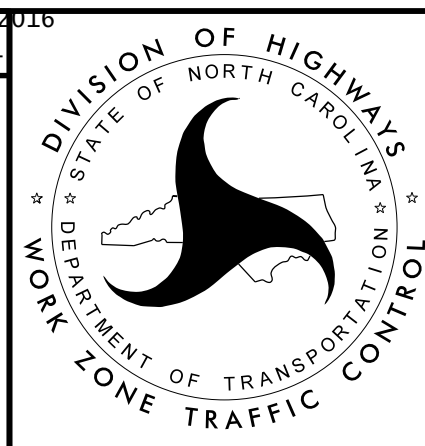
LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

APPROVED: Tim Gains DATE: 6/20/2016

DocuSigned by:
 Tim Gains
 352024812004752

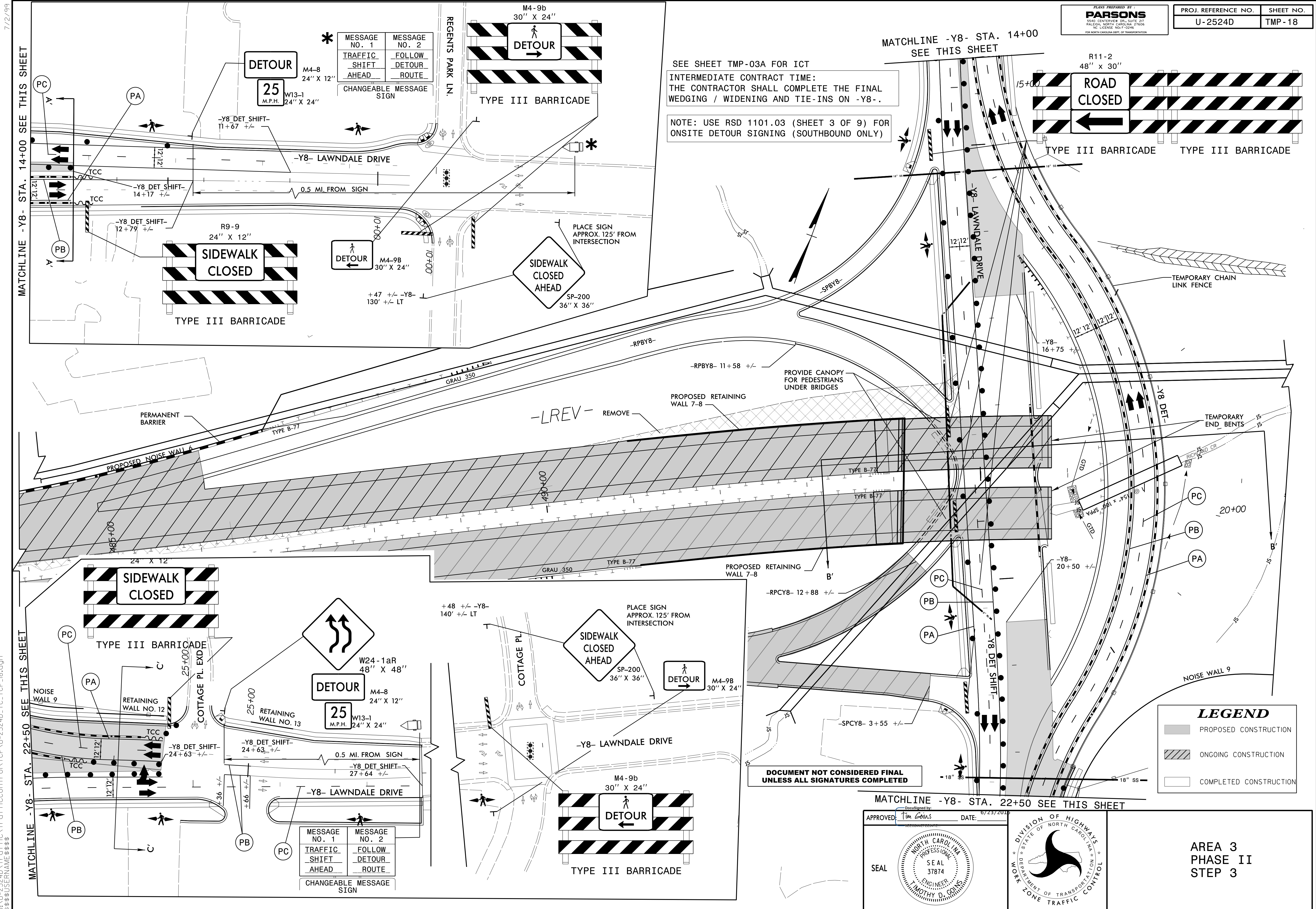
SEAL



AREA 3
 PHASE II STEP 2
 DETAIL 6
 SECTION VIEW

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

7/2/99
 I7-JUN-2016 16:08
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 \$\$\$USERNAME\$\$\$



SEE SHEET TMP-03A FOR ICT
 INTERMEDIATE CONTRACT TIME:
 THE CONTRACTOR SHALL COMPLETE THE FINAL
 WEDGING / WIDENING AND TIE-INS ON -Y8-.

NOTE: USE RSD 1101.03 (SHEET 3 OF 9) FOR
 ONSITE DETOUR SIGNING (SOUTHBOUND ONLY)

LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

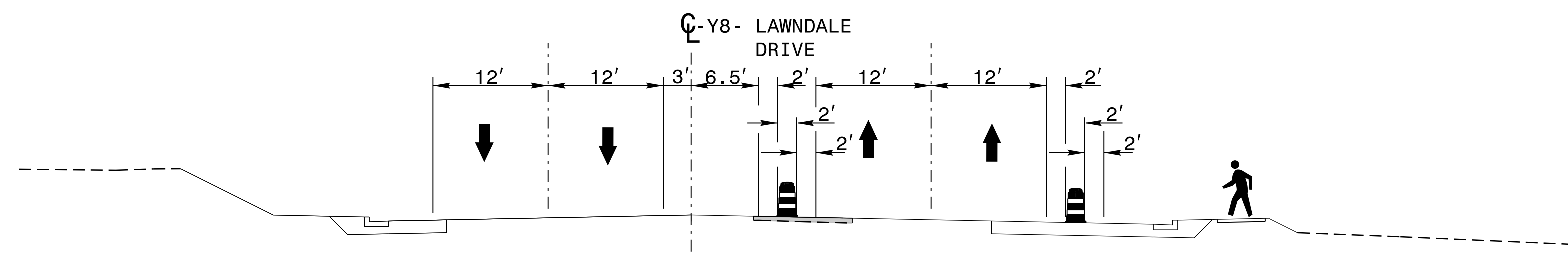
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APPROVED: DATE: 6/25/2016

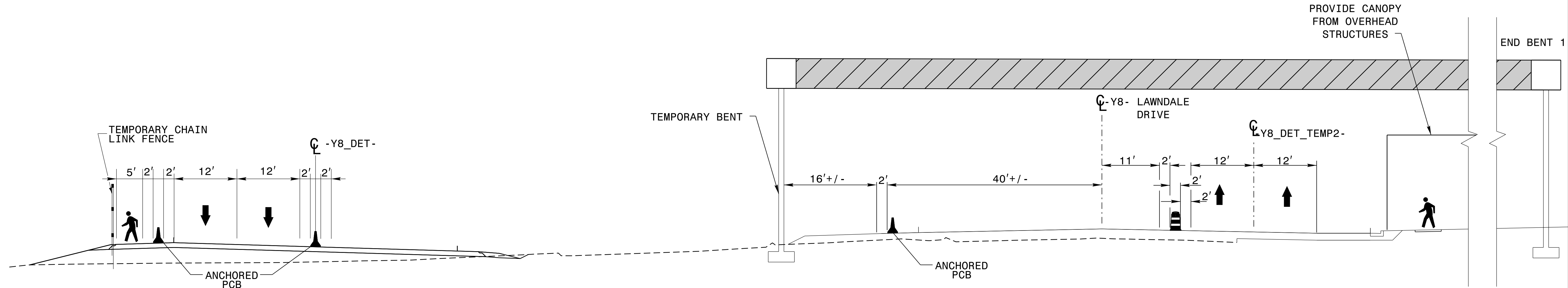
SEAL:

AREA 3
 PHASE II
 STEP 3

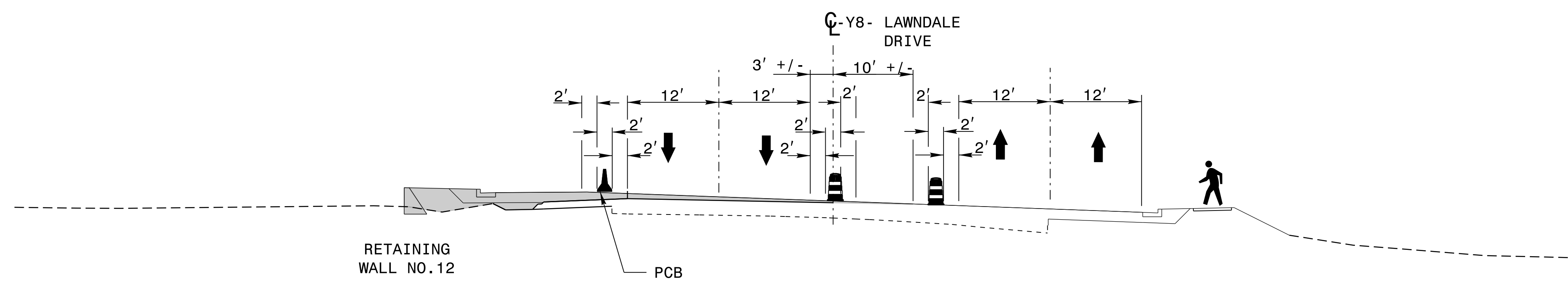
7/2/09
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 MATCHLINE -Y8- STA. 22+50 SEE THIS SHEET
 23-JUN-2016 09:36
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SECTION A'
-Y8- STA. 13+50.00



SECTION B'
-Y8- STA. 18+50.00



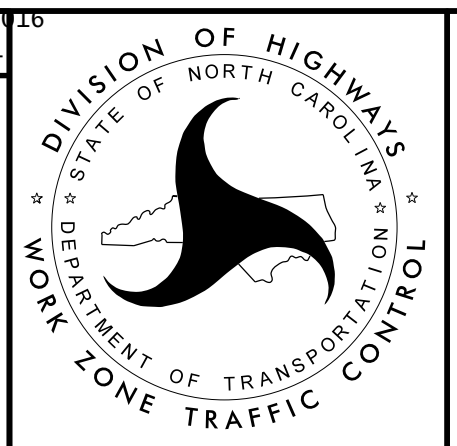
SECTION C'
-Y8- STA. 23+50.00

LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

APPROVED: Tim Ellis DATE: 6/20/2016

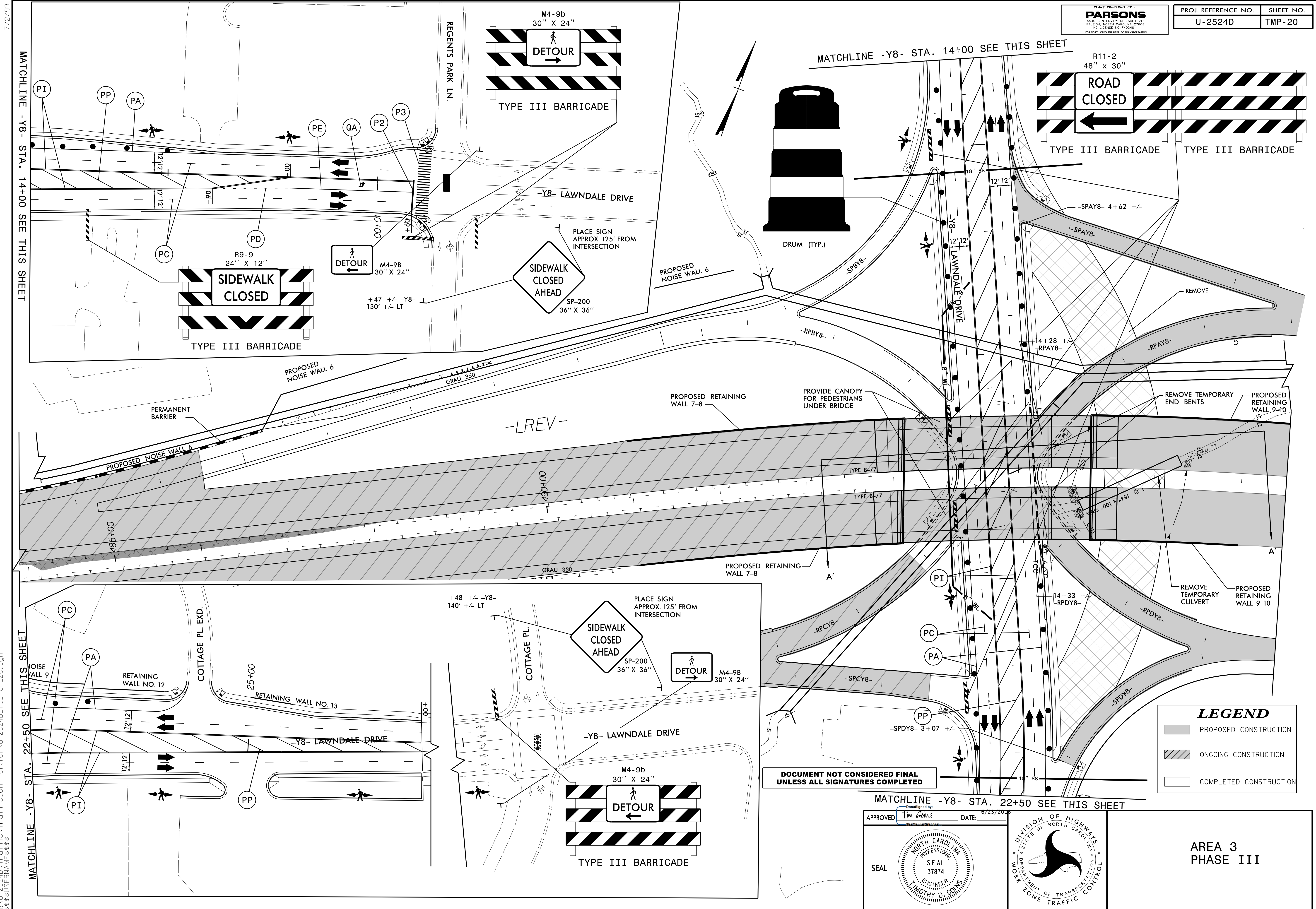
SEAL



AREA 3
 PHASE II STEP 3
 DETAIL 8
 SECTION VIEW

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

I7-JUN-2016 16:08
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 \$\$\$USERNAME\$\$\$



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

LEGEND

	PROPOSED CONSTRUCTION
	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

MATCHLINE -Y8- STA. 22+50 SEE THIS SHEET

APPROVED: DATE: 07/23/2016

SEAL:

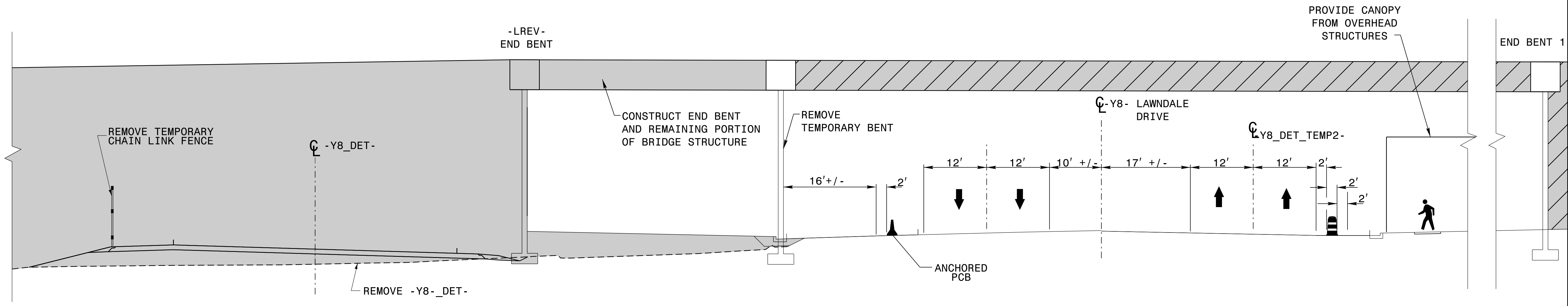
**AREA 3
PHASE III**

7/2/19
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 MATCHLINE -Y8- STA. 22+50 SEE THIS SHEET
 23-JUN-2016 09:36
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 \$\$\$USERNAME\$\$\$

7/2/99

PLANS PREPARED BY
PARSONS
5640 CENTERVIEW DR., SUITE 217
RALEIGH, NORTH CAROLINA 27606
NC LICENSE NO. F-9246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJ. REFERENCE NO.	SHEET NO.
U-2524D	TMP-21



SECTION A'
-Y8- STA. 18+50.00

LEGEND

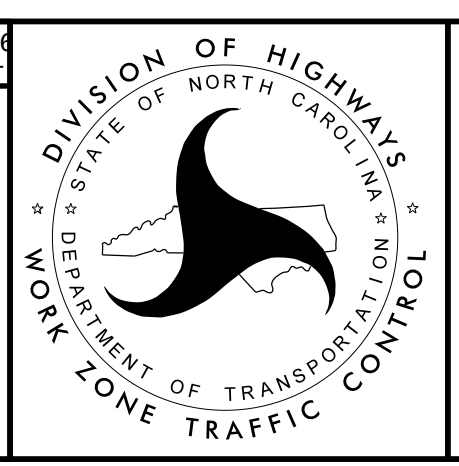
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	ONGOING CONSTRUCTION
	COMPLETED CONSTRUCTION

17-JUN-2016 16:09
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**DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED**

APPROVED: DATE: 6/20/2016

SEAL



**AREA 3
PHASE III
DETAIL 10
SECTION VIEW**