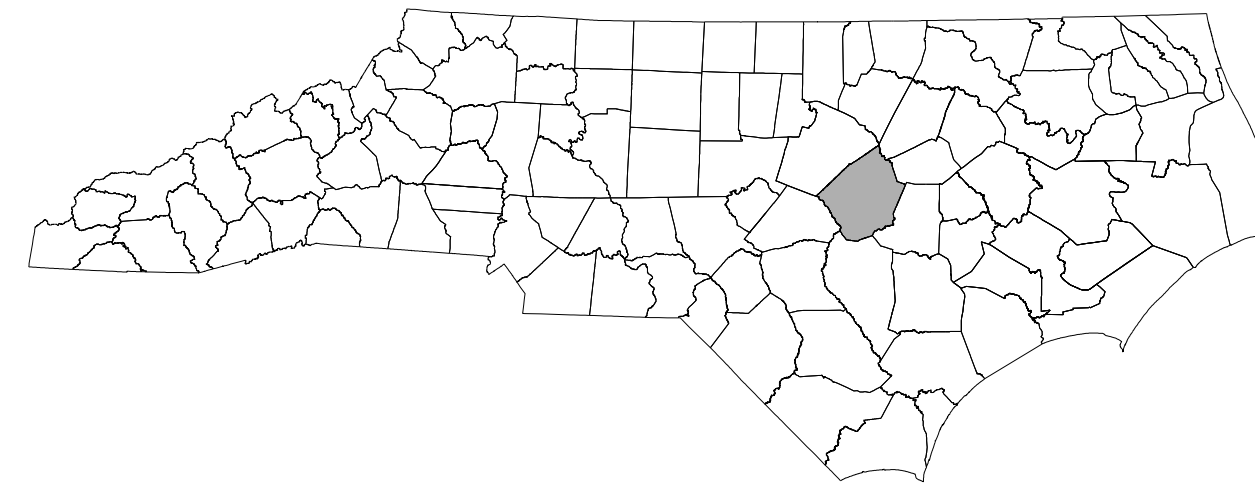


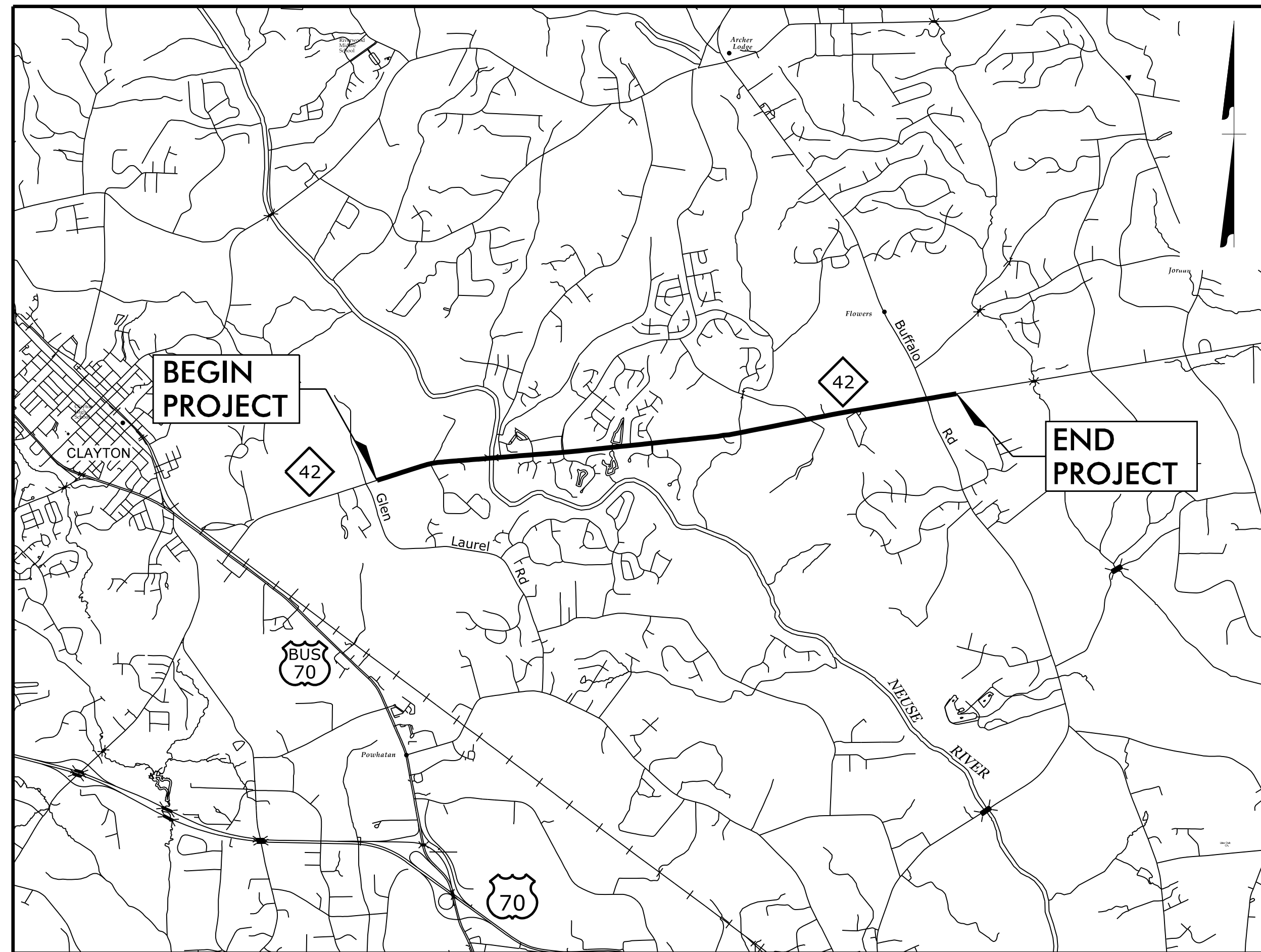
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

**TRANSPORTATION MANAGEMENT PLAN**

**JOHNSTON COUNTY**



**LOCATION: NC 42 FROM SR 1902 (GLEN LAUREL RD) TO SR 1003 (BUFFALO RD)**



| SHEET NO.           | TITLE                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------|
| TMP-1               | TITLE SHEET, VICINITY MAP, AND INDEX OF SHEETS                                          |
| TMP-1A              | LIST OF APPLICABLE ROADWAY STANDARD DRAWINGS, AND LEGEND                                |
| TMP-1B & TMP-1C     | TRANSPORTATION OPERATIONS PLAN: (MANAGEMENT STRATEGIES, GENERAL NOTES, AND LOCAL NOTES) |
| TMP-2               | PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS                                |
| TMP-2A              | TEMPORARY SHORING NOTES                                                                 |
| TMP-2B THRU TMP-2J  | CUT SECTIONS                                                                            |
| TMP-2K THRU TMP-2N  | SPECIAL SIGN DESIGNS                                                                    |
| TMP-2O              | TEMPORARY STEEL COVER OVER DRAINAGE STRUCTURE DETAIL                                    |
| TMP-3 & TMP-3A      | TEMPORARY TRAFFIC CONTROL PHASING                                                       |
| TMP-4 THRU TMP-44   | TEMPORARY TRAFFIC CONTROL PHASE I DETAILS                                               |
| TMP-45 THRU TMP-62C | TEMPORARY TRAFFIC CONTROL PHASE II DETAILS                                              |
| TMP-63 THRU TMP-82  | TEMPORARY TRAFFIC CONTROL PHASE III DETAILS                                             |

PLAN PREPARED BY:

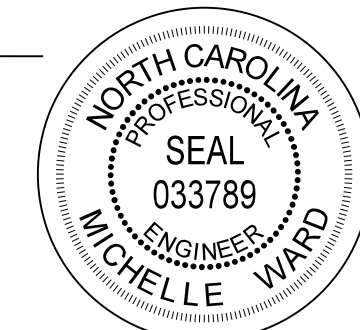
**HR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

MICHELLE WARD, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
BRANDON SCOTT TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
TRAFFIC CONTROL DESIGN ENGINEER

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

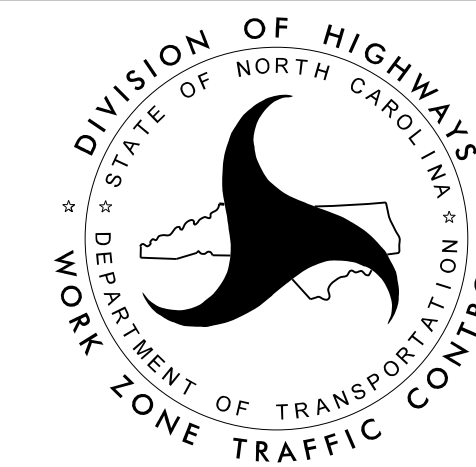
APPROVED: Michelle Ward  
DATE: 8/19/2018

SEAL



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

JOE HUMMER, P.E. STATE TRAFFIC MANAGEMENT ENGINEER  
STEVE KITE, P.E. TRAFFIC CONTROL PROJECT ENGINEER  
MATT SPRINGER, P.E. TRAFFIC CONTROL PROJECT DESIGN ENGINEER  
SPENCER JENNINGS TRAFFIC CONTROL DESIGN ENGINEER



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# ROADWAY STANDARD DRAWINGS


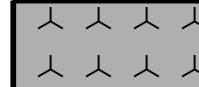
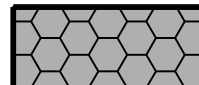


THE FOLLOWING ROADWAY STANDARDS AS SHOWN IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

| <u>STD. NO.</u> | <u>TITLE</u>                                       |
|-----------------|----------------------------------------------------|
| 1101.01         | WORK ZONE ADVANCE WARNING SIGNS                    |
| 1101.02         | TEMPORARY LANE CLOSURES                            |
| 1101.03         | TEMPORARY ROAD CLOSURES                            |
| 1101.04         | TEMPORARY SHOULDER CLOSURES                        |
| 1101.05         | WORK ZONE VEHICLE ACCESSES                         |
| 1101.11         | TRAFFIC CONTROL DESIGN TABLES                      |
| 1110.01         | STATIONARY WORK ZONE SIGNS                         |
| 1110.02         | PORTABLE WORK ZONE SIGNS                           |
| 1115.01         | FLASHING ARROW BOARDS                              |
| 1130.01         | DRUM                                               |
| 1135.01         | CONES                                              |
| 1145.01         | BARRICADES - TYPE III                              |
| 1150.01         | FLAGGING DEVICES                                   |
| 1160.01         | TEMPORARY CRASH CUSHION - REFLECTIVE END TREATMENT |
| 1165.01         | TRUCK MOUNTED ATTENUATOR - DELINEATION             |
| 1170.01         | POSITIVE PROTECTION - PORTABLE CONCRETE BARRIER    |
| 1180.01         | SKINNY-DRUM                                        |
| 1205.01         | PAVEMENT MARKINGS - LINE TYPES AND OFFSETS         |
| 1205.02         | PAVEMENT MARKINGS - DIVIDED AND UNDIVIDED ROADWAYS |
| 1205.04         | PAVEMENT MARKINGS - INTERSECTIONS                  |
| 1205.05         | PAVEMENT MARKINGS - TURN LANES                     |
| 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         | PAVEMENT MARKER SPACING                            |
| 1251.01         | RAISED PAVEMENT MARKERS - PERMANENT AND TEMPORARY  |
| 1253.01         | SNOWFLOWABLE RAISED PAVEMENT MARKERS               |
| 1261.01         | GUARDRAIL AND BARRIER DELINEATOR SPACING           |
| 1261.02         | GUARDRAIL AND BARRIER DELINEATOR TYPES             |
| 1262.01         | GUARDRAIL END DELINEATION                          |
| 1264.01         | OBJECT MARKERS                                     |
| 1264.02         | PLACEMENT OF OBJECT MARKERS                        |




# LEGEND

## GENERAL

-  DIRECTION OF TRAFFIC FLOW
-  DIRECTION OF PEDESTRIAN TRAFFIC FLOW
-  EXIST. PVMT.
-  NORTH ARROW
-  PROPOSED PVMT.
-  TEMP. SHORING (LOCATION PURPOSES ONLY)

-  WORK AREA
-  ONGOING CONSTRUCTION
-  TEMPORARY PAVEMENT
-  WEDGING
-  REMOVAL










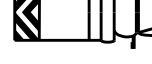

## SIGNALS

-  EXISTING
-  PROPOSED
-  TEMPORARY




## PAVEMENT MARKINGS

-  EXISTING LINES
-  TEMPORARY LINES




## TRAFFIC CONTROL DEVICES

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

## TEMPORARY SIGNING

-  PORTABLE SIGN
-  STATIONARY SIGN
-  STATIONARY OR PORTABLE SIGN






























## PAVEMENT MARKERS

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

## PAVEMENT MARKING SYMBOLS

-  PAVEMENT MARKING SYMBOLS


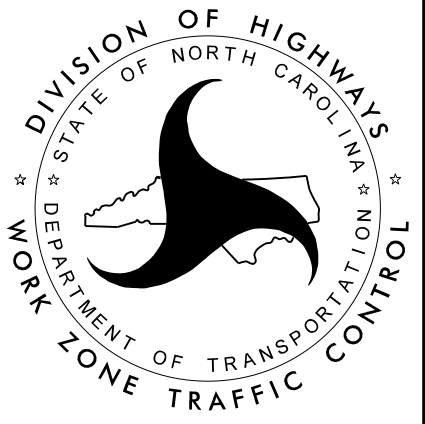
## TEMPORARY PAVEMENT MARKING

- |                                                                                                                                           |                                                                                                                           |                                                                                                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  TYPE IV REMOVABLE TAPE 4" WHITE EDGELINE            |  PAINT 24" WHITE STOPBAR             |  PAINT 8" YELLOW DIAGONAL              |
|  TYPE IV REMOVABLE TAPE 4" YELLOW EDGELINE           |  PAINT 4" 2'-6"/SP. WHITE MINI-SKIP  |  PAINT 8" WHITE SOLID LANE LINE        |
|  TYPE IV REMOVABLE TAPE 4" 3'-9"/SP. WHITE MINI-SKIP |  PAINT 4" 2'-6"/SP. YELLOW MINI-SKIP |  PAINT LEFT TURN ARROW                 |
|  TYPE IV REMOVABLE TAPE 4" WHITE SOLID LANE LINE     |  PAINT 8" 3'-9"/SP. WHITE MINI-SKIP  |  PAINT RIGHT TURN ARROW                |
|  TYPE IV REMOVABLE TAPE 4" YELLOW DOUBLE CENTER      |  PAINT 4" WHITE EDGELINE             |  PAINT STRAIGHT ARROW                  |
|  TYPE IV REMOVABLE TAPE LEFT TURN ARROW              |  PAINT 4" YELLOW EDGELINE            |  PAINT COMBO LEFT-STRAIGHT ARROW       |
|  TYPE IV REMOVABLE TAPE STRAIGHT ARROW               |  PAINT 4" 10'-30"/SP. WHITE SKIP     |  PAINT COMBO RIGHT-STRAIGHT ARROW      |
|                                                                                                                                           |  PAINT 4" 3'-9"/SP. WHITE MINI-SKIP  |  PAINT COMBO LEFT-RIGHT-STRAIGHT ARROW |
|                                                                                                                                           |  PAINT 4" WHITE SOLID LANE LINE      |  PAINT ALPHANUMERIC CHARACTER          |
|                                                                                                                                           |  PAINT 4" YELLOW DOUBLE CENTER       |  PAINT MERGE ARROW                     |
|                                                                                                                                           |  PAINT 8" WHITE GORELINE             |  PAINT U-TURN ARROW                    |

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: CHARNDEN DATE: 4/1/2020  
 FILE: C:\Users\charnden\Desktop\Working Folder\VR-3825B\VR3825B\_TC\_TMP-01A.dgn

REVISIONS

04/01/2020: ADDED "OG" TO TEMPORARY PAVEMENT MARKING LEGEND.

|                                                               |                                                                                       |                                                                                       |                                                                    |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 4/1/2020              |  |  | <h2 style="margin: 0;">ROADWAY STANDARD DRAWINGS &amp; LEGEND</h2> |
| DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED |                                                                                       |                                                                                       |                                                                    |

# MANAGEMENT STRATEGIES

-L- (NC 42)

IN PHASE 1 - STEP 1, TRAFFIC IS MAINTAINED ON EXISTING TRAVEL LANES AND CONSTRUCTION MAY BEGIN ON THE LEFT, RIGHT, OR BOTH SIDES OF THE ROAD, INCLUDING TEMPORARY PAVEMENT NEEDED FOR INTERIM TRAFFIC SHIFTS IN PHASE 1, STAGE 1 OF THE CULVERT AT -L- STA. 167+00 AND STAGE 1 OF THE BRIDGE OVER THE NEUSE RIVER. WEDGING OVER EXISTING PAVEMENT WILL BE REQUIRED IN SEVERAL AREAS IN ORDER TO MAINTAIN TRAFFIC.

IN PHASE 1 - STEP 2, TRAFFIC IS SHIFTED LEFT ONTO NEW AND TEMPORARY PAVEMENT TO CONSTRUCT THE RIGHT SIDE OF THE ROADWAY FROM THE BEGINNING OF THE PROJECT THROUGH -Y12A- (FLOWERS PKWY), INCLUDING STAGE 1 OF THE CULVERT AT -L- STA. 114+15. WEDGING AND WIDENING OPERATIONS CONTINUE ON BOTH SIDES OF THE ROAD FROM -Y12A- (FLOWERS PKWY) THROUGH THE END OF THE PROJECT, INCLUDING -Y13- (BUFFALO RD).

DURING PHASE 1, ALL WORK ALONG -L- FROM PROJECT BEGIN TO APPROXIMATELY -L- STA. 35+50 +/- IS COMPLETED DURING AN 18-MONTH ICT IN ORDER TO OPEN ALL 4 LANES TO TRAFFIC IN THIS AREA. (SEE PLANS FOR PHASE/STEP THAT CONSTRUCTION OCCURS)

IN PHASE 2, TRAFFIC IS SHIFTED RIGHT ONTO NEW PAVEMENT. DURING THIS PHASE, THE REMAINDER OF THE LEFT SIDE OF ROADWAY, STAGE 2 OF THE CULVERT AT -L- STA. 114+15 +/-, STAGE 2 OF THE CULVERT AT -L- STA. 167+00 +/-, STAGE 2 OF THE BRIDGE OVER THE NEUSE RIVER (INCLUDING CLOSURE POUR) AND THE WEDGING AND WIDENING FROM -Y12A- (FLOWERS PKWY) THROUGH THE END OF THE PROJECT, INCLUDING -Y13- (BUFFALO RD) WILL BE COMPLETED.

IN PHASE 3, TRAFFIC IS SPLIT TO THE OUTSIDE TO ALLOW THE MEDIAN ISLANDS TO BE CONSTRUCTED.

ONCE ALL WORK IS COMPLETE, THE FINAL LAYER OF SURFACE COURSE AND FINAL MARKINGS & MARKERS WILL BE PLACED.

## -Y- LINES

TRAFFIC ON -Y4- & -Y5- IS MAINTAINED IN EXISTING LANES WHILE TEMPORARY ALIGNMENTS ARE CONSTRUCTED ADJACENT TO THEIR CORRESPONDING -Y- LINES. ONCE THESE ALIGNMENTS ARE COMPLETE, TRAFFIC IS SHIFTED TO THE TEMPORARY PAVEMENT AND -Y4- & -Y5- CAN BE COMPLETELY REBUILT AWAY FROM TRAFFIC.

-Y6-, -Y8-, -Y10-, -Y10B-, -Y10C-, -Y11-, -Y11C-, -Y12-, -Y13-, & -DR1- WILL ALL BE CONSTRUCTED USING LANE CLOSURES AND MAINTAINING TRAFFIC IN THE EXISTING PATTERN.

-Y10A- WILL BE CLOSED FOR CONSTRUCTION AND DETOURED VIA -Y9-.

-Y11A- WILL BE CLOSED FOR CONSTRUCTION AND DETOURED VIA VERONA DRIVE.

-Y11B- WILL BE CLOSED FOR CONSTRUCTION AND DETOURED VIA TUSCAN RIDGE ROAD. VERONA DRIVE WILL BE CONSTRUCTED IN PHASE 2 ONCE TUSCAN RIDGE ROAD HAS BEEN COMPLETED AND RE-OPENED TO TRAFFIC.

# 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                                           |
|-----------------------------------------------|---------------------------------------------------------------------|
| -L- (NC 42)<br>-Y13- (BUFFALO RD)             | MONDAY - SUNDAY<br>6:00 A.M. - 8:00 P.M.                            |
| -Y6- (CASTLEBERRY RD)<br>& -Y7- (E SCHOOL RD) | MONDAY - FRIDAY<br>7:00 A.M. - 9:00 A.M. &<br>2:00 P.M. - 5:00 P.M. |

B) DO NOT CLOSE ROADS AS FOLLOWS:

| ROAD NAME          | DAY AND TIME RESTRICTIONS                                                           |
|--------------------|-------------------------------------------------------------------------------------|
| -Y7- (E SCHOOL RD) | MONDAY - FRIDAY<br>7:00 A.M. - 5:00 P.M. AND<br>ANY OTHER TIME SCHOOL IS IN SESSION |

C) DO NOT STOP TRAFFIC AS FOLLOWS:

| ROAD NAME   | DAY AND TIME RESTRICTIONS                                | DURATION AND OPERATION                                       |
|-------------|----------------------------------------------------------|--------------------------------------------------------------|
| -L- (NC 42) | MONDAY - SUNDAY:<br>4:00 A.M. - 12:00 A.M.<br>(MIDNIGHT) | 30 MINUTES FOR BRIDGE WORK &<br>SIGNAL MAST ARM INSTALLATION |

NOTIFY FIRE DEPARTMENT AND EMERGENCY MANAGEMENT SERVICES DURING THESE OPERATIONS, AS DIRECTED BY THE ENGINEER.

D) DO NOT CONDUCT SINGLE VEHICLE HAULING & MATERIAL DELIVERY AS FOLLOWS:

| ROAD NAME | DAY AND TIME RESTRICTIONS                                          |
|-----------|--------------------------------------------------------------------|
| ALL ROADS | MONDAY - FRIDAY:<br>6:00 A.M. - 9:00 A.M.<br>2:00 P.M. - 8:00 P.M. |

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

| ROAD NAME | DAY AND TIME RESTRICTIONS                 |
|-----------|-------------------------------------------|
| ALL ROADS | MONDAY - FRIDAY:<br>6:00 A.M. - 8:00 P.M. |


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.

## LANE AND SHOULDER CLOSURE REQUIREMENTS

- 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.
- 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.
- K) 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.
- L) DO NOT INSTALL MORE THAN ONE MILE OF LANE CLOSURE ON NC 42 MEASURED FROM THE BEGINNING OF THE MERGE TAPER TO THE END OF THE LANE CLOSURE.
- M) DO NOT INSTALL MORE THAN 2 SIMULTANEOUS LANE CLOSURES IN ANY ONE DIRECTION ON NC 42.
- N) PROVIDE A MINIMUM OF 1 MILE BETWEEN LANE CLOSURES, MEASURED FROM THE END OF ONE CLOSURE TO THE FIRST SIGN OF THE NEXT LANE CLOSURE.
- O) PROVIDE TRAFFIC CONTROL FOR APPROPRIATE LANE CLOSURES FOR SURVEYING DONE BY THE DEPARTMENT.

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.


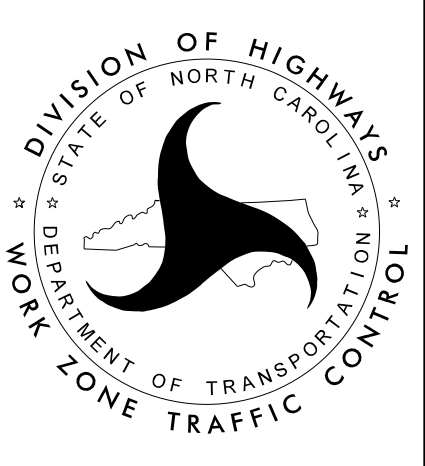
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|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
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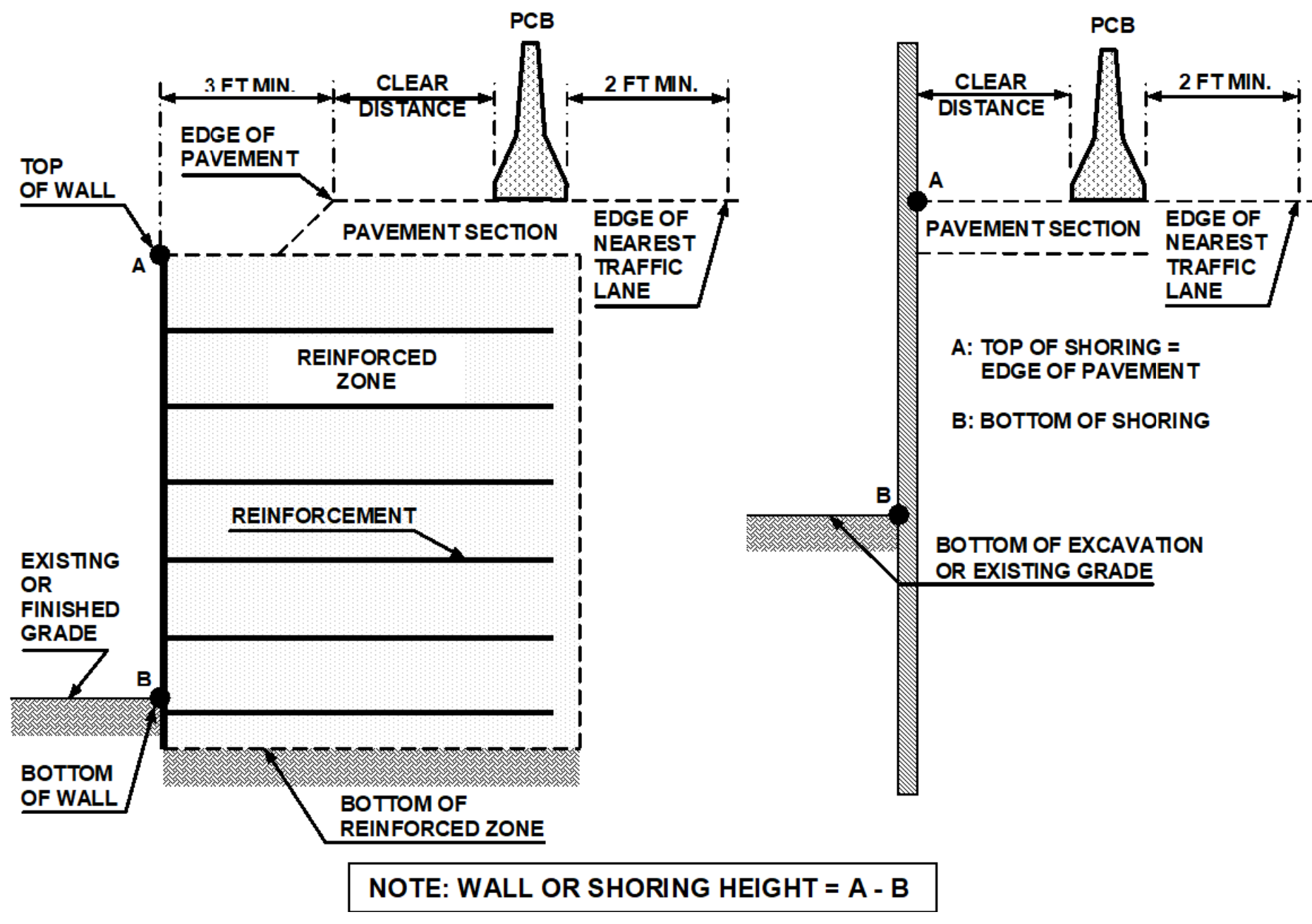
HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

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REVISIONS

|                                                                                                                                                   |                                                                                       |                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 9/6/2018<br>SEAL<br> |  | TRANSPORTATION<br>OPERATIONS<br>PLAN |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                  |                                                                                       |                                      |





**FIGURE A**

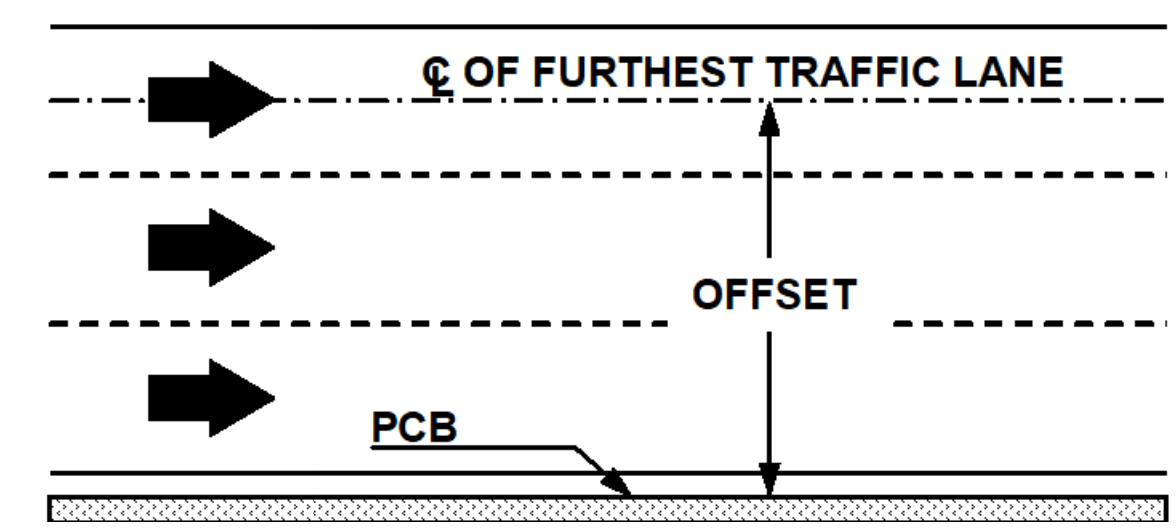
**NOTES**

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

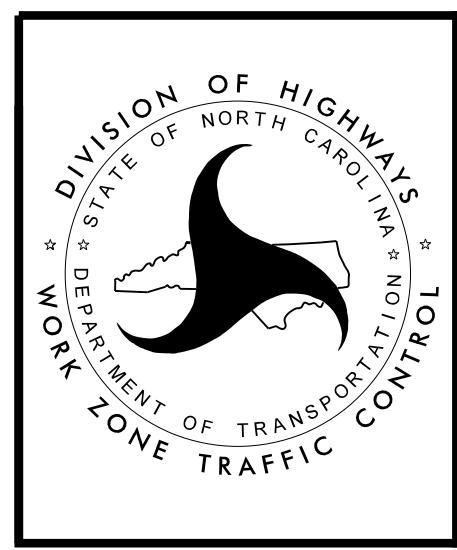
**MINIMUM REQUIRED CLEAR DISTANCE, inches**

| Barrier Type   | Pavement Type                              | Offset *<br>ft | Design Speed, mph        |       |       |       |       |       |
|----------------|--------------------------------------------|----------------|--------------------------|-------|-------|-------|-------|-------|
|                |                                            |                | <30                      | 31-40 | 41-50 | 51-60 | 61-70 | 71-80 |
| Unanchored PCB | Asphalt                                    | <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    |
|                |                                            | 26-32          | 29                       | 32    | 36    | 39    | 42    | 45    |
|                |                                            | 32-38          | 30                       | 34    | 38    | 41    | 43    | 46    |
|                |                                            | 38-44          | 31                       | 34    | 41    | 43    | 45    | 48    |
|                |                                            | 44-50          | 31                       | 35    | 41    | 43    | 46    | 49    |
|                |                                            | 50-56          | 32                       | 36    | 42    | 44    | 47    | 50    |
|                | >56                                        | 32             | 36                       | 42    | 45    | 47    | 51    |       |
|                | Concrete                                   | <8             | 17                       | 18    | 21    | 22    | 25    | 26    |
|                |                                            | 8-14           | 19                       | 20    | 23    | 25    | 26    | 29    |
|                |                                            | 14-20          | 22                       | 22    | 24    | 26    | 28    | 31    |
|                |                                            | 20-26          | 23                       | 24    | 26    | 27    | 30    | 34    |
|                |                                            | 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 for All Design Speeds |       |       |       |       |       |
| Anchored PCB   | Concrete (including bridge approach slabs) | All Offsets    | 12 for All Design Speeds |       |       |       |       |       |

\* See Figure Below



**FIGURE B**



PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.ppt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 3:13:59 PM  
 FILE: p:\p\h\p\uses\01\HDR-US-East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\R3825B\_TC\_TMP-02.dgn

REVISIONS

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

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

**SHORING LOCATION NO. 1**

DESIGN TEMPORARY SHORING FROM STATION -L- 62+07 +/-, 7.9 FT LEFT TO STATION -L- 62+80 +/-, 7.9 FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION (C) = 0 LB/SF  
 GROUNDWATER ELEVATION = 138 FT +/-

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -L- 62+07 +/-, 7.9 FT LEFT TO STATION -L- 62+80 +/-, 7.9 FT LEFT MAY NOT PENETRATE BELOW ELEVATION 126.0 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 -L- 62+07 +/-, 7.9 FT LEFT TO STATION -L- 62+80 +/-, 7.9 FT LEFT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 62+07 +/-, 7.9 FT LEFT TO STATION -L- 62+80 +/-, 7.9 FT LEFT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

**SHORING LOCATION NO. 2**

DESIGN TEMPORARY SHORING FROM STATION -L- 65+65 +/-, 7.7 FT LEFT TO STATION -L- 66+33 +/-, 7.7 FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION (C) = 0 LB/SF  
 GROUNDWATER ELEVATION = 142 FT +/-

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION -L- 65+65 +/-, 7.7 FT LEFT TO STATION -L- 66+33 +/-, 7.7 FT LEFT MAY NOT PENETRATE BELOW ELEVATION 132.0 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 -L- 65+65 +/-, 7.7 FT LEFT TO STATION -L- 66+33 +/-, 7.7 FT LEFT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 65+65 +/-, 7.7 FT LEFT TO STATION -L- 66+33 +/-, 7.7 FT LEFT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

**SHORING LOCATION NO. 3**

DESIGN TEMPORARY SHORING FROM STATION -L- 62+07 +/-, 0.0 FT LEFT TO STATION -L- 62+33 +/-, 0.0 FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION (C) = 0 LB/SF  
 GROUNDWATER ELEVATION = 138 FT +/-

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 62+07 +/-, 0.0 FT LEFT TO STATION -L- 62+33 +/-, 0.0 FT LEFT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 62+07 +/-, 0.0 FT LEFT TO STATION -L- 62+33 +/-, 0.0 FT LEFT. SEE GEOTECHNICAL STANDARD DETAIL NO 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

**SHORING LOCATION NO. 4**

DESIGN TEMPORARY SHORING FROM STATION -L- 66+08 +/-, 4.0 FT LEFT TO STATION -L- 66+33 +/-, 4.0 FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION (C) = 0 LB/SF  
 GROUNDWATER ELEVATION = 142 FT +/-

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 66+08 +/-, 4.0 FT LEFT TO STATION -L- 66+33 +/-, 4.0 FT LEFT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 66+08 +/-, 4.0 FT LEFT TO STATION -L- 66+33 +/-, 4.0 FT LEFT. SEE GEOTECHNICAL STANDARD DETAIL NO 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

**SHORING LOCATION NO. 5**

DESIGN TEMPORARY SHORING FROM STATION -L- 114+05 +/-, 39.0 FT LEFT TO STATION -L- 114+30 +/-, 39.0 FT LEFT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION (C) = 0 LB/SF  
 GROUNDWATER ELEVATION = 158 FT +/-

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 114+05 +/-, 39.0 FT LEFT TO STATION -L- 114+30 +/-, 39.0 FT LEFT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 114+05 +/-, 39.0 FT LEFT TO STATION -L- 114+30 +/-, 39.0 FT LEFT. SEE GEOTECHNICAL STANDARD DETAIL NO 1801.02 FOR STANDARD TEMPORARY WALLS.

**SHORING LOCATION NO. 6**

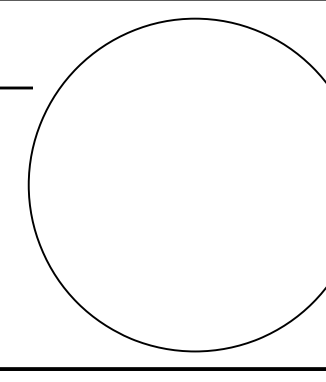
DESIGN TEMPORARY SHORING FROM STATION -L- 166+25 +/-, 4.5 FT RIGHT TO STATION -L- 167+75 +/-, 4.5 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

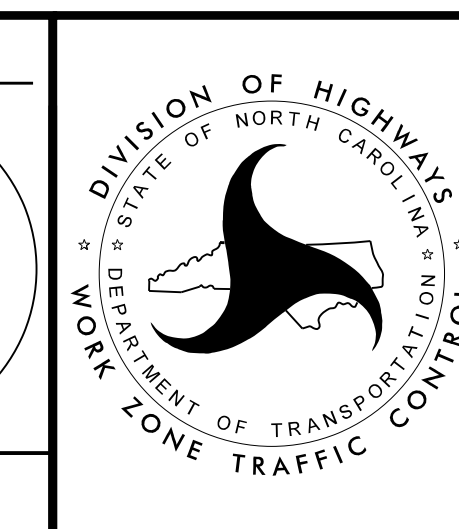
UNIT WEIGHT ( $\gamma$ ) = 120 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
 COHESION (C) = 0 LB/SF  
 GROUNDWATER ELEVATION = 148 FT +/-

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 166+25 +/-, 4.5 FT RIGHT TO STATION -L- 167+75 +/-, 4.5 FT RIGHT.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 166+25 +/-, 4.5 FT RIGHT TO STATION -L- 167+75 +/-, 4.5 FT RIGHT. SEE GEOTECHNICAL STANDARD DETAIL NO 1801.02 FOR STANDARD TEMPORARY WALLS.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH SEALED DOCUMENTS FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO THE WZTC SECTION ON 12/14/2017 AND SEALED BY A PROFESSIONAL ENGINEER, JINYOUNG PARK, LICENSE # 032171.

APPROVED: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 SEAL   
**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**



**TEMPORARY SHORING NOTES**

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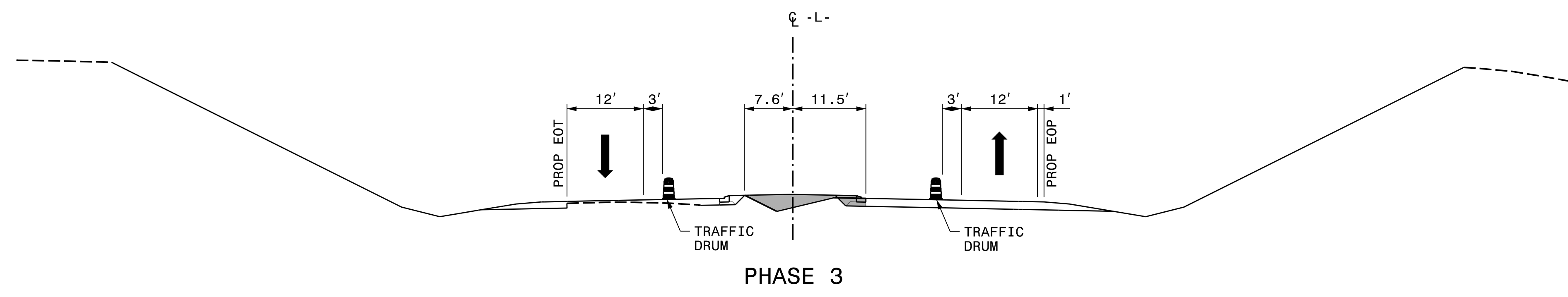
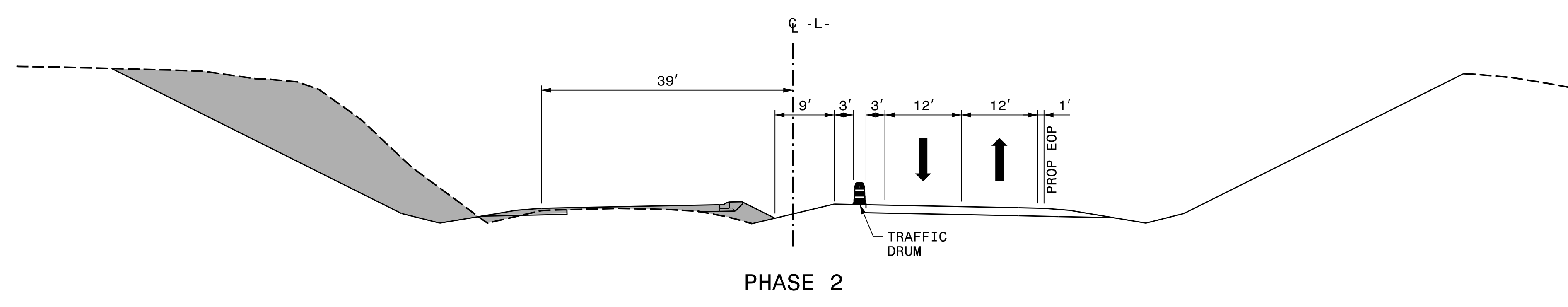
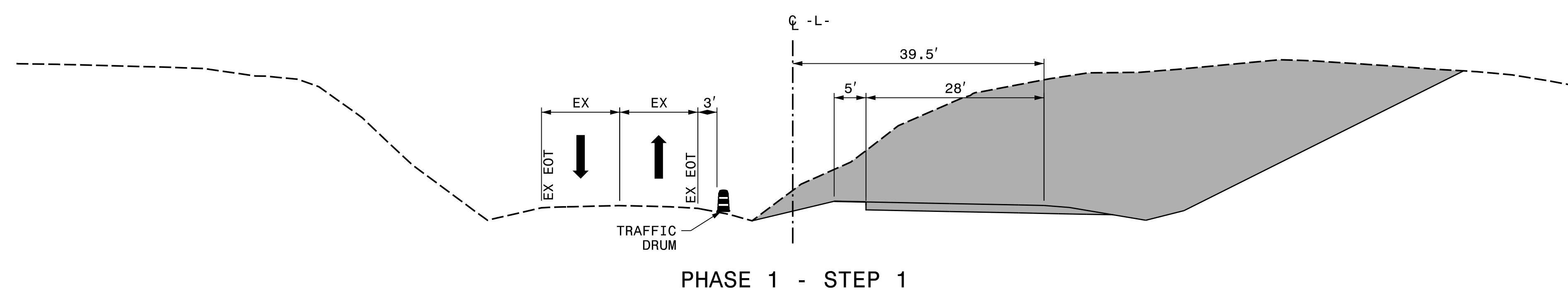
REVISIONS







**SECTION E-E**  
**-L- STA. 54+00**



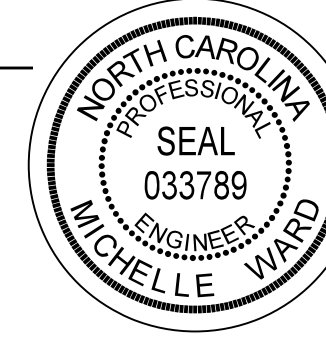
REVISIONS

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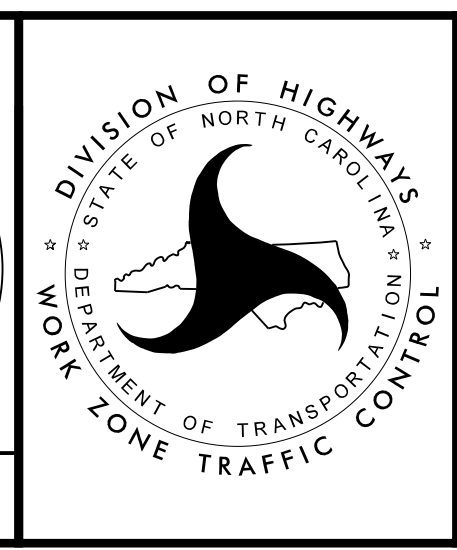
APPROVED: *Michelle Ward*

DATE: 6/6/2018

SEAL



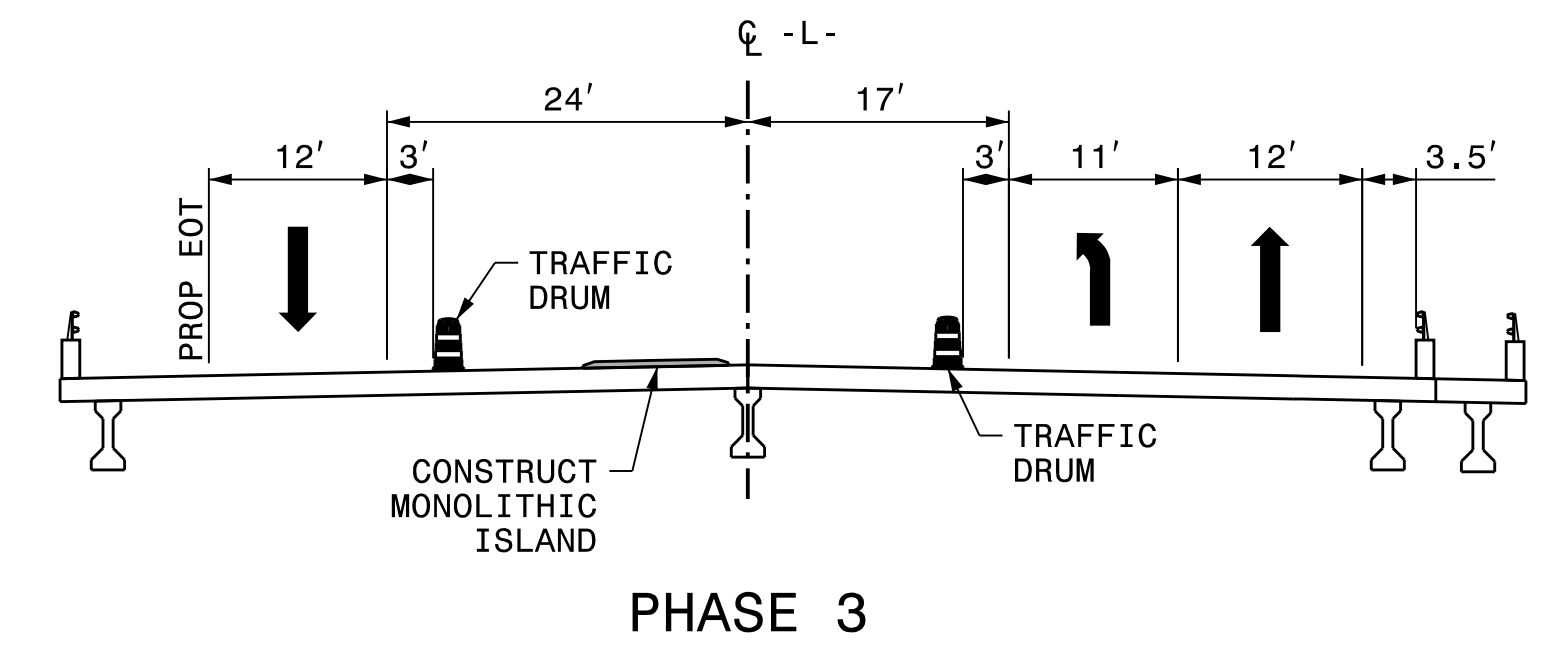
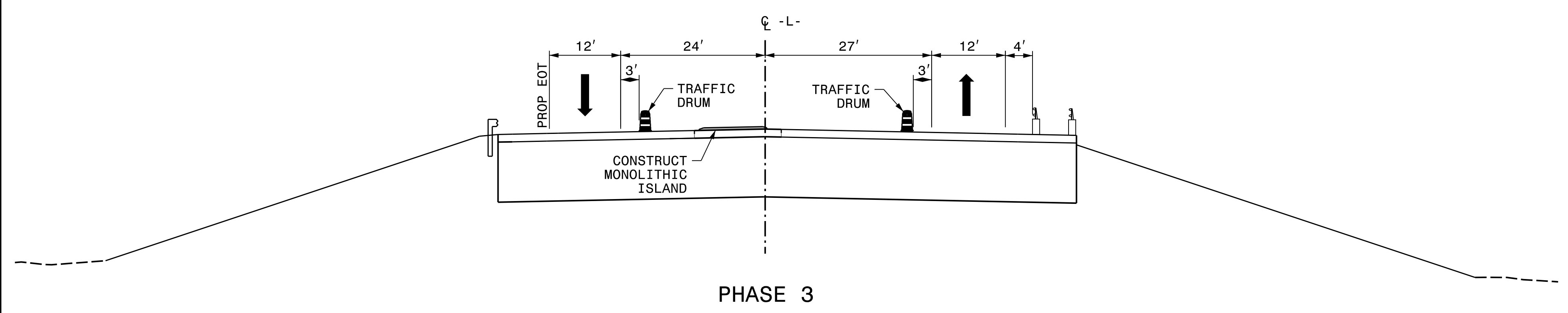
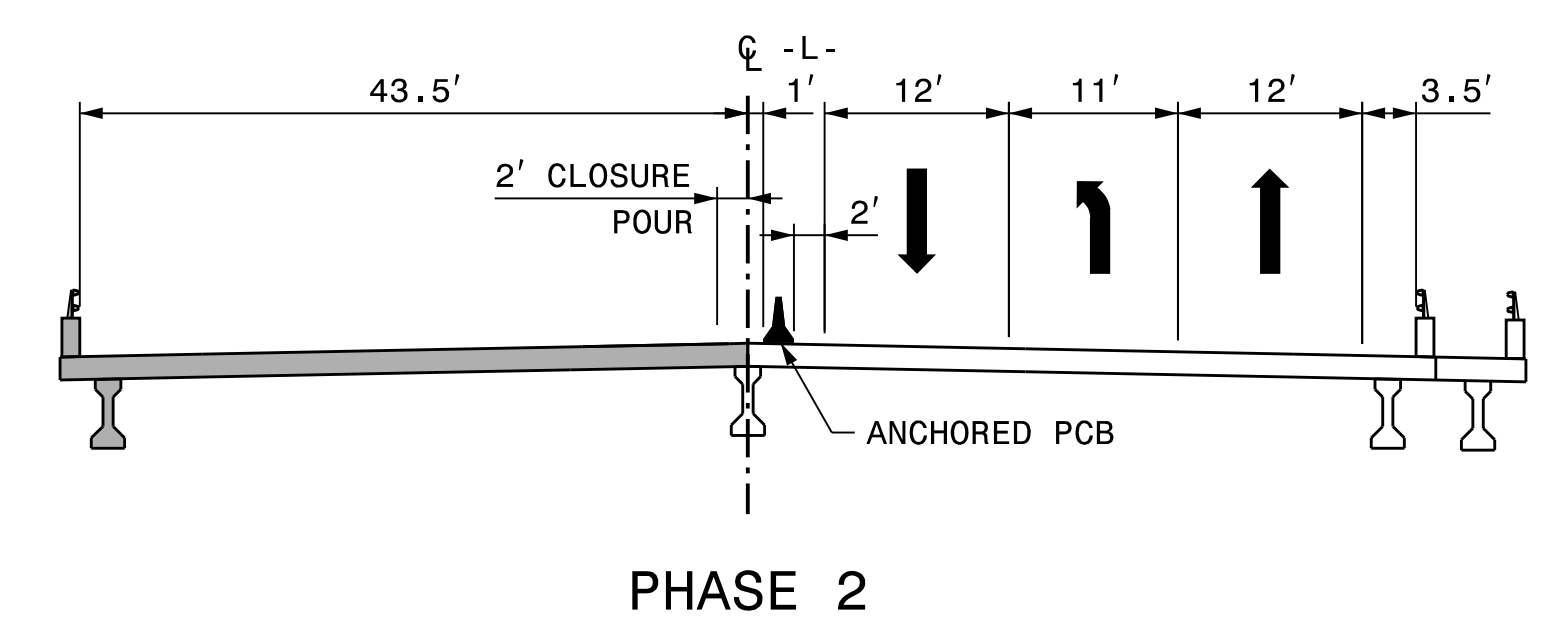
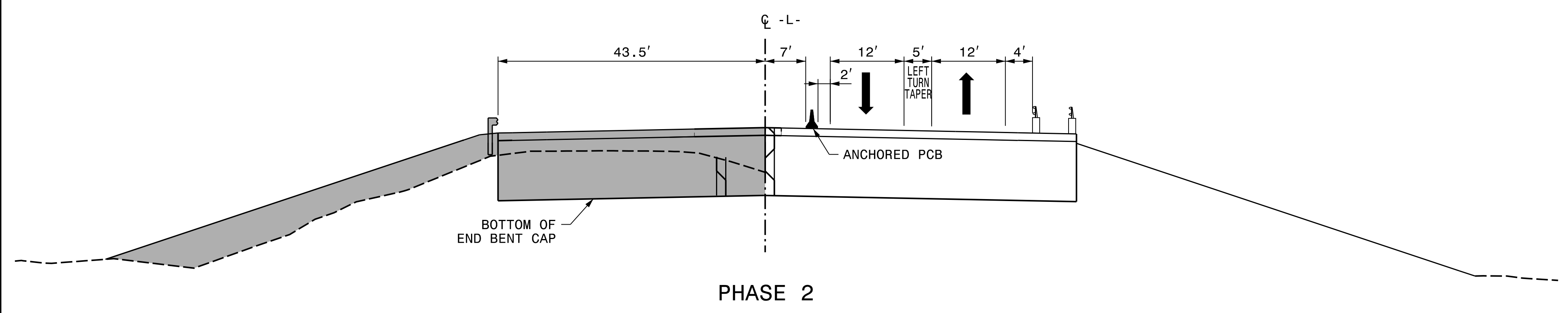
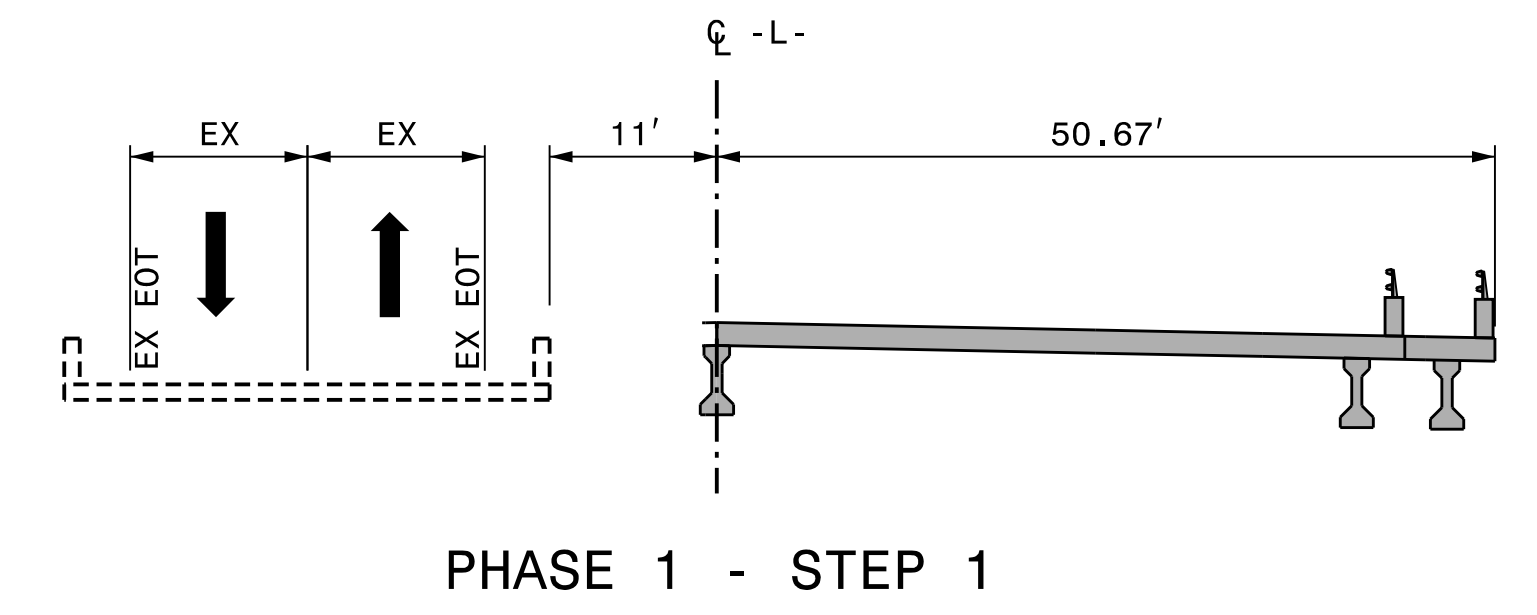
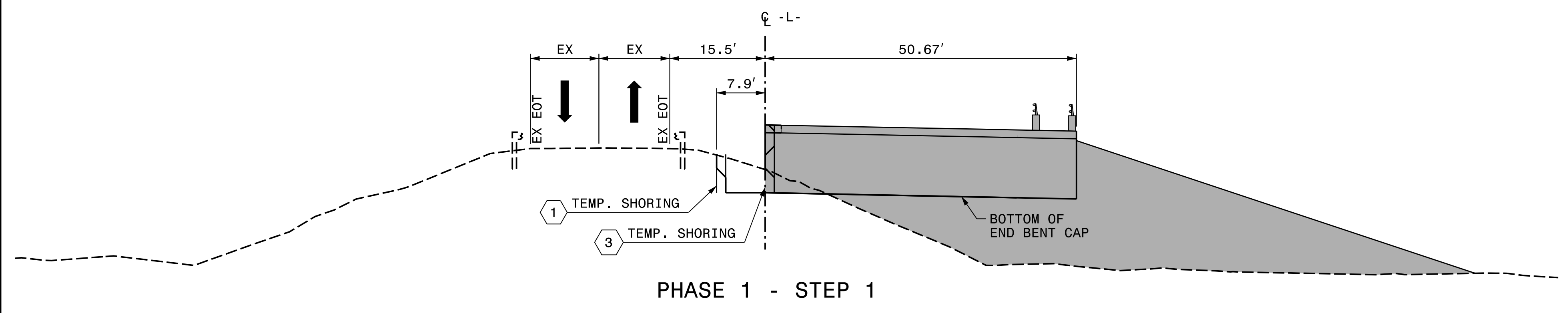
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UNLESS ALL SIGNATURES COMPLETED**



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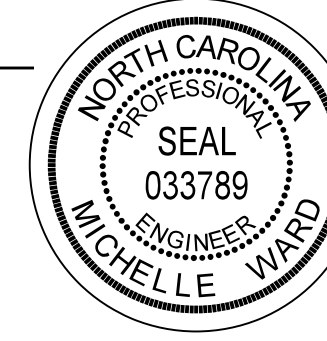
**SECTION F-F**  
**-L- STA. 62+20**

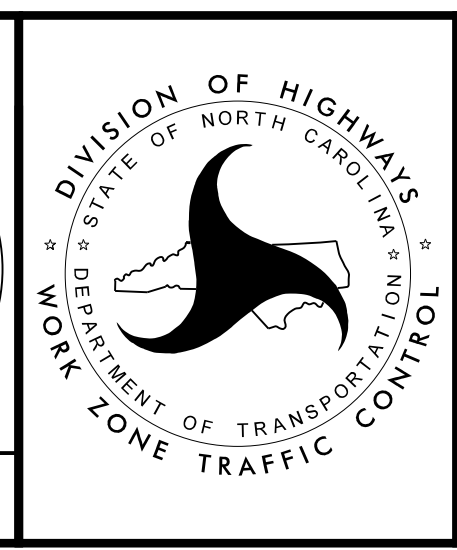
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**-L- STA. 64+50**



REVISIONS

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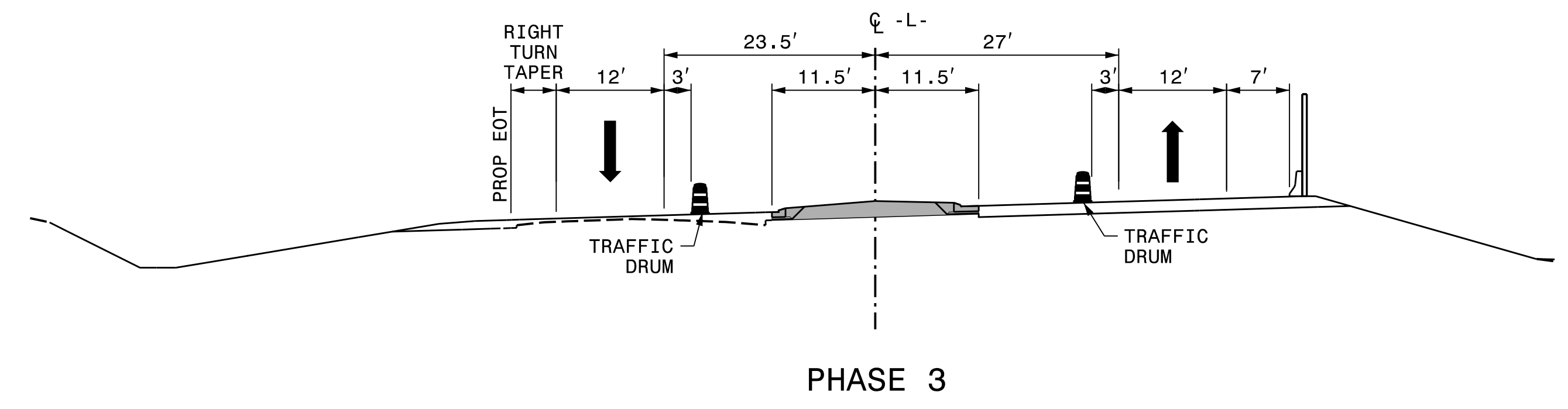
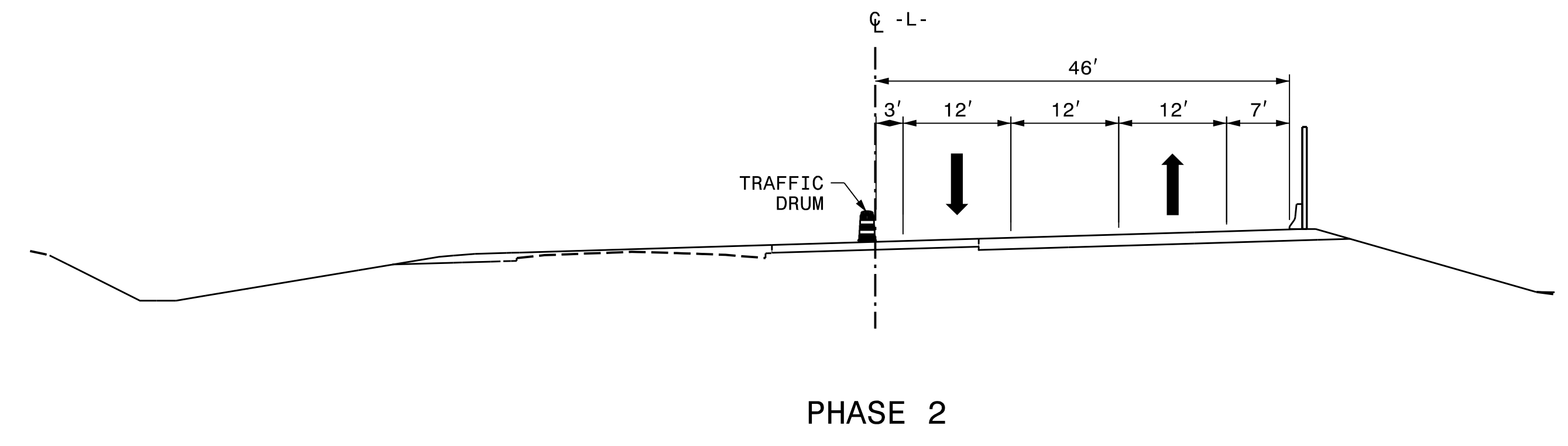
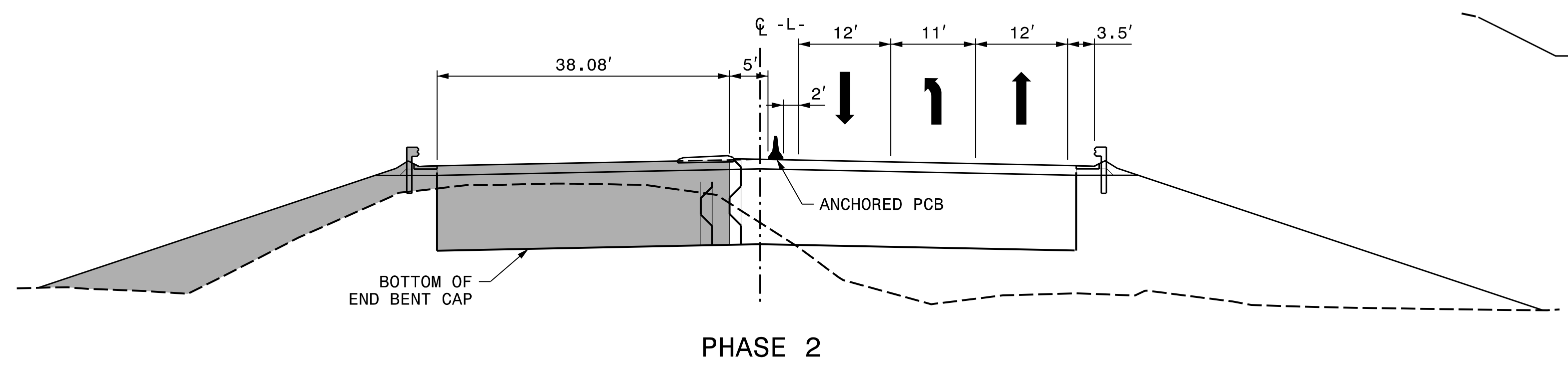
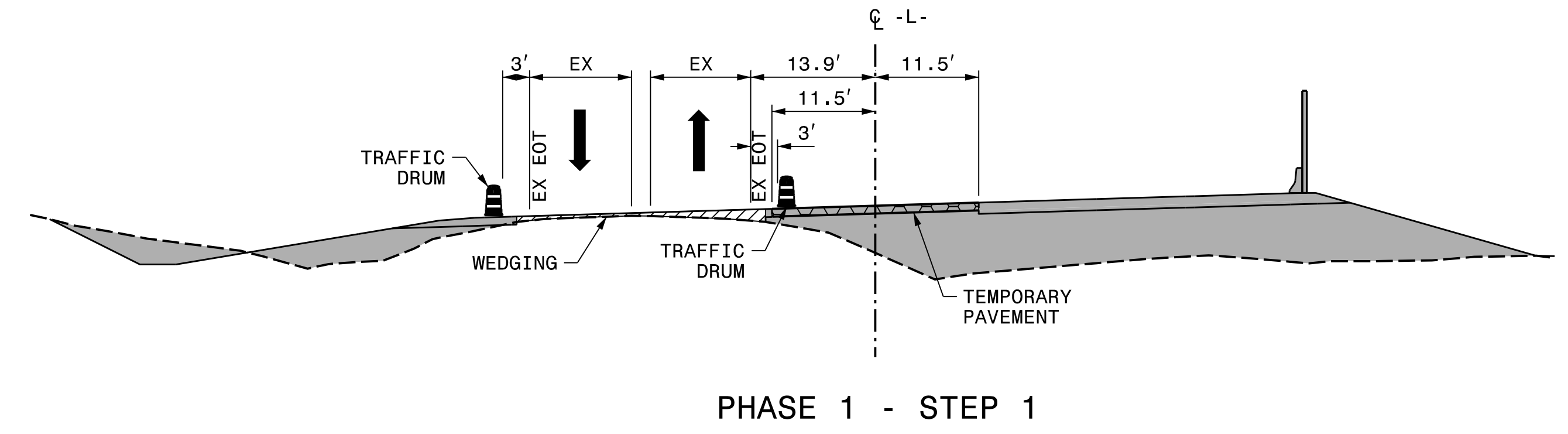
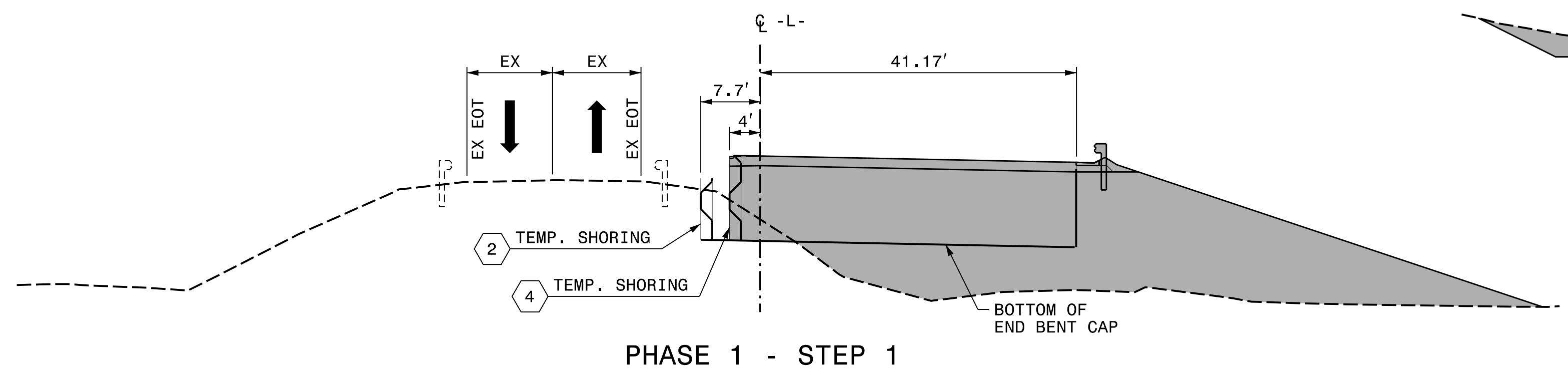
APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
 SEAL  
  
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 UNLESS ALL SIGNATURES COMPLETED



CUT SECTIONS

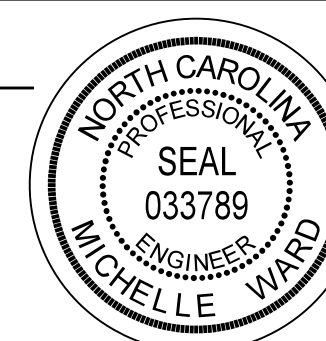

**SECTION H-H**  
-L- STA. 66+33

**SECTION I-I**  
-L- STA. 75+00

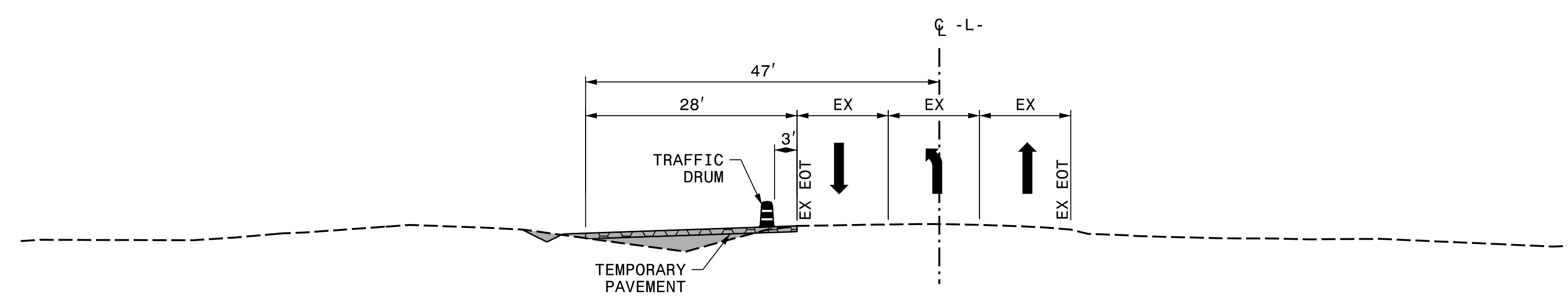


REVISIONS

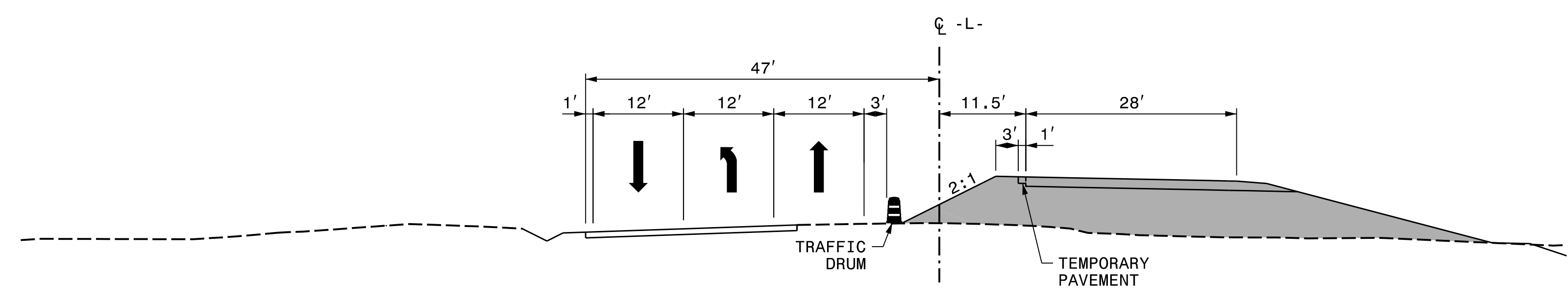
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|                                                                                                                                                   |                                                                                       |              |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 6/6/2018<br>SEAL<br> |  | CUT SECTIONS |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                  |                                                                                       |              |

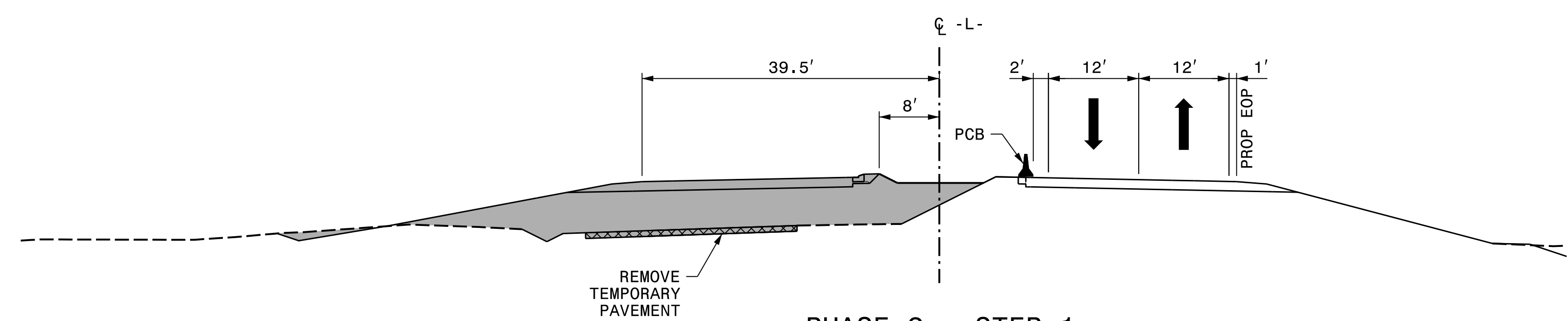
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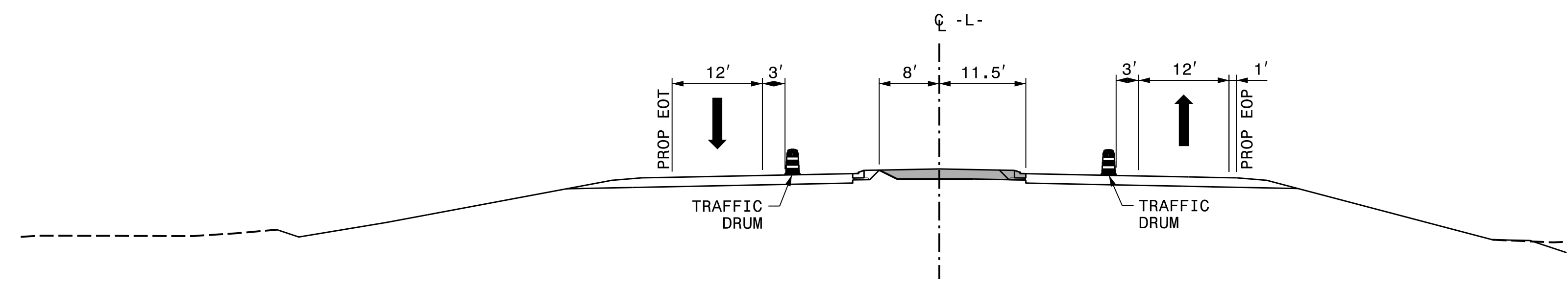
PHASE 1 - STEP 1



PHASE 1 - STEP 2



PHASE 2 - STEP 1



PHASE 3

REVISIONS

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APPROVED: *Michelle Ward*  
DATE: 6/6/2018

SEAL

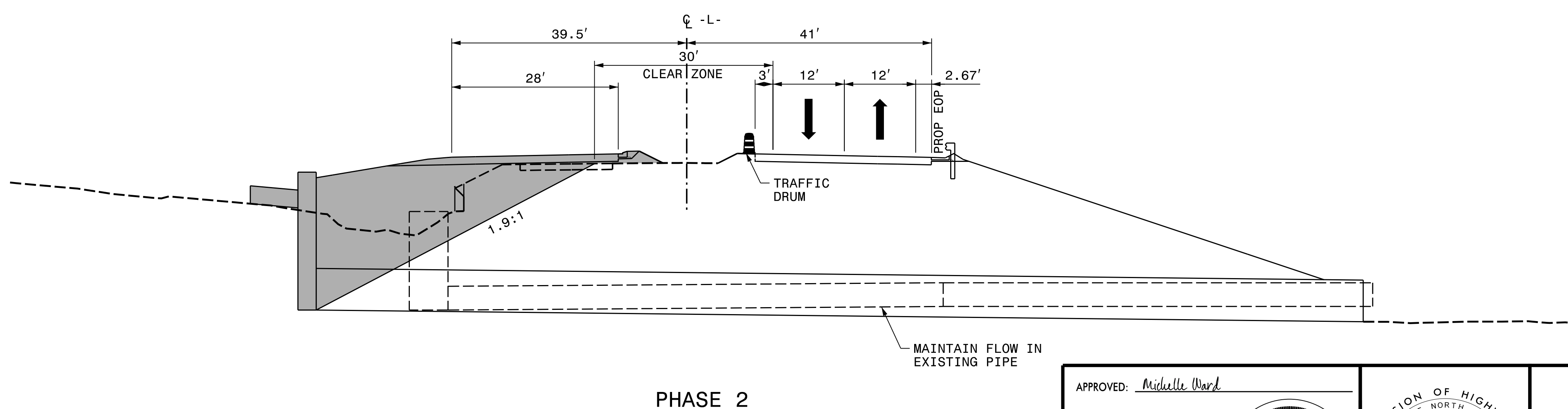
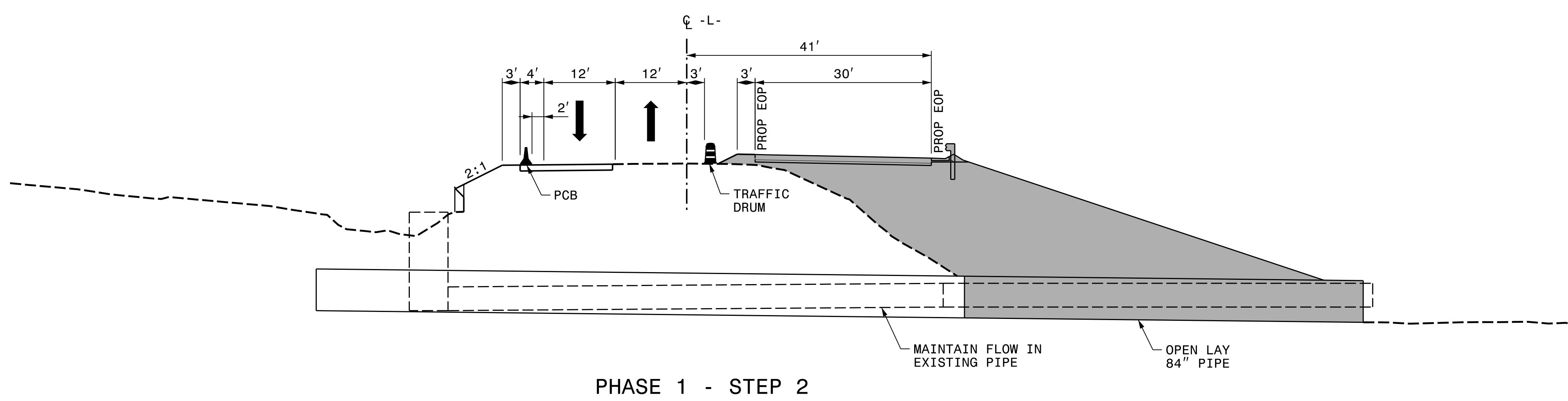
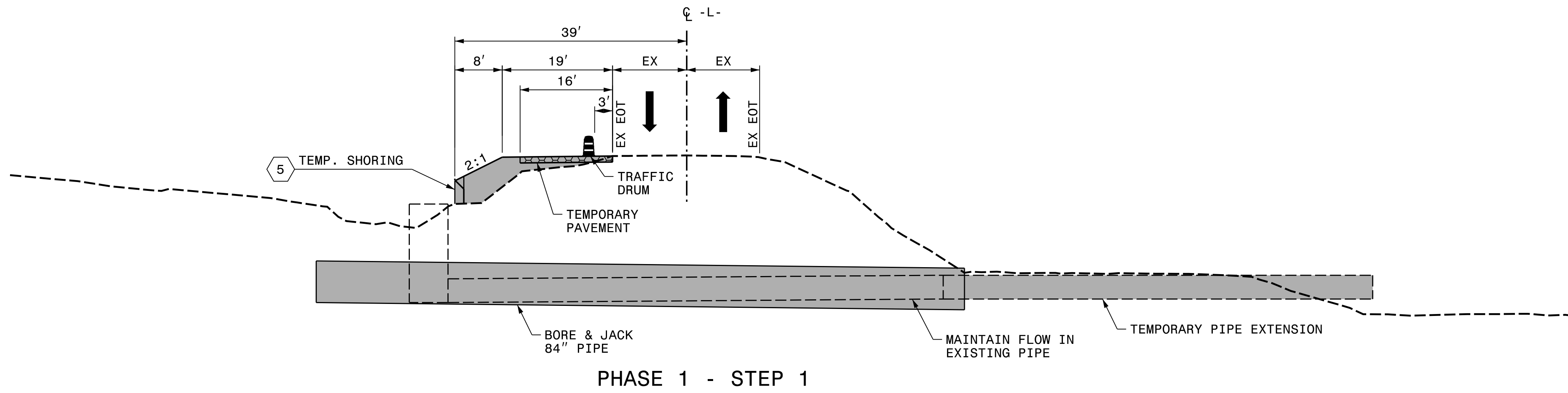
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
033789  
ENGINEER  
MICHELLE WARD

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

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

CUT SECTIONS

**SECTION K-K**  
**-L- STA. 114+15**



REVISIONS

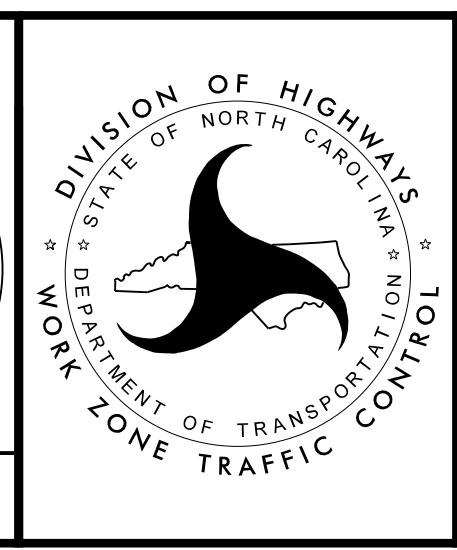
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL

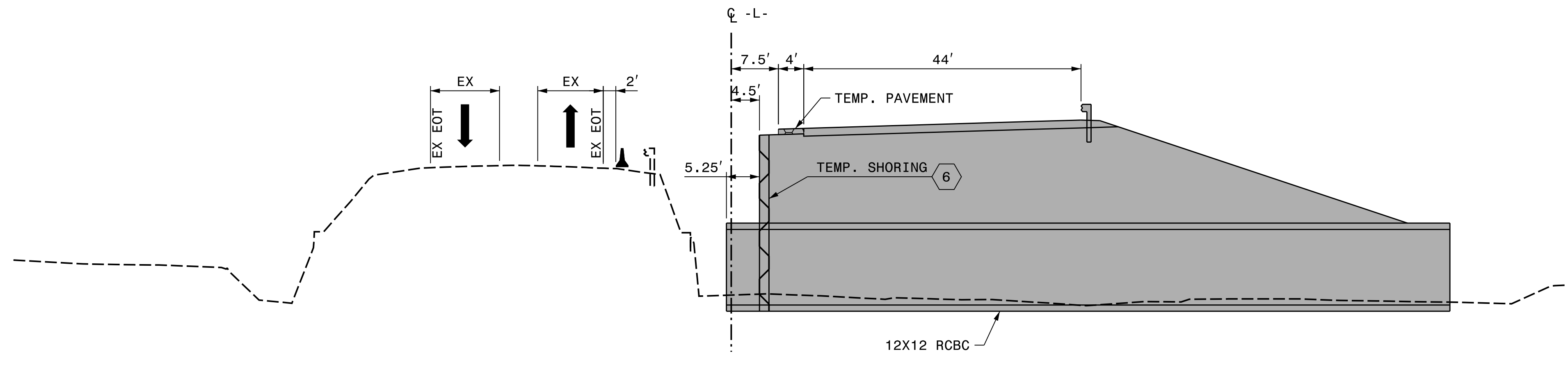
NORTH CAROLINA  
PROFESSIONAL  
SEAL  
033789  
ENGINEER  
MICHELLE WARD

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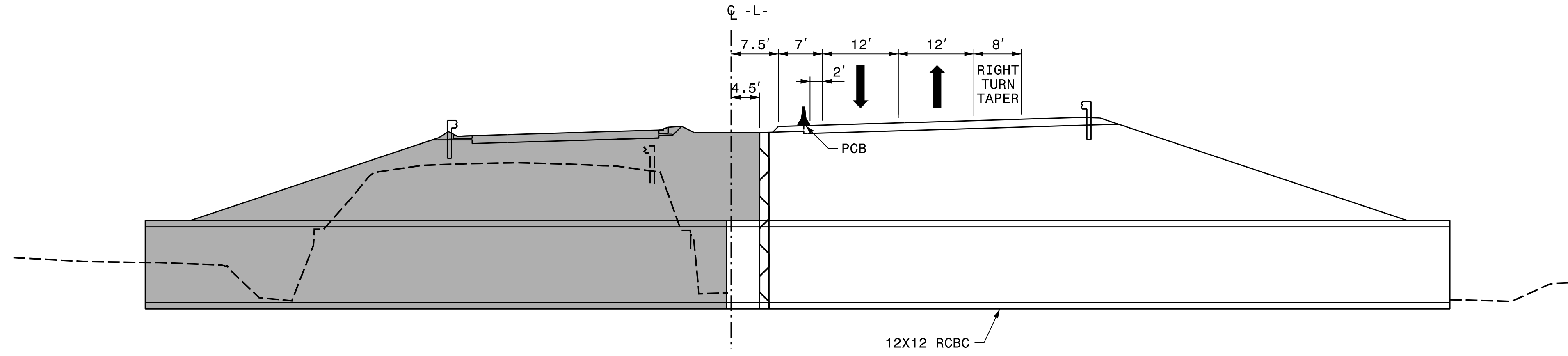


CUT SECTIONS

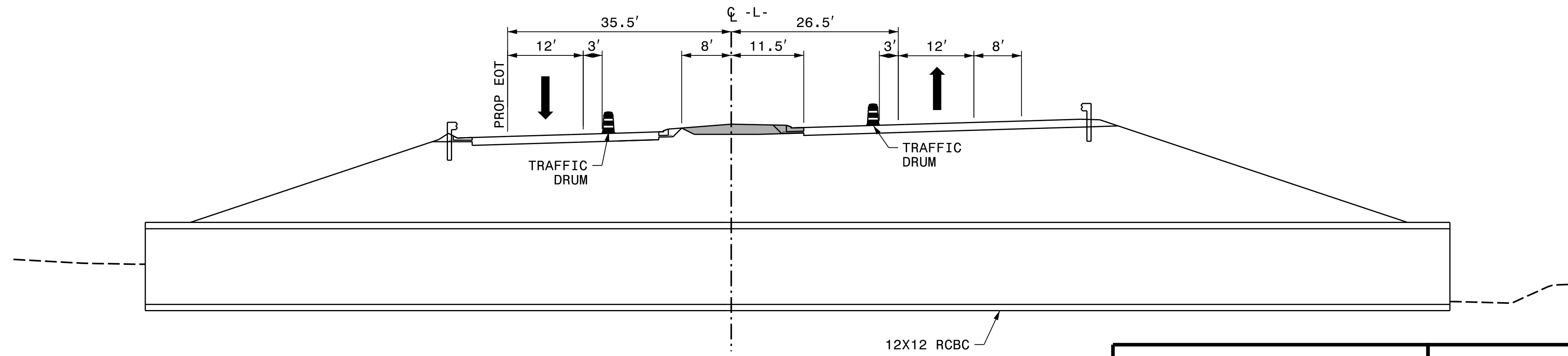
**SECTION L-L**  
**-L- STA. 167+00**



PHASE 1 - STEP 1



PHASE 2



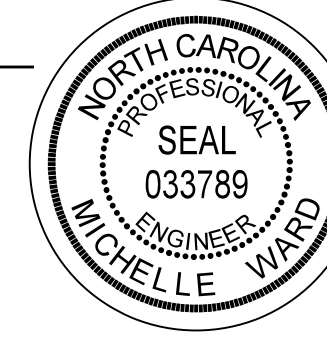
PHASE 3

REVISIONS

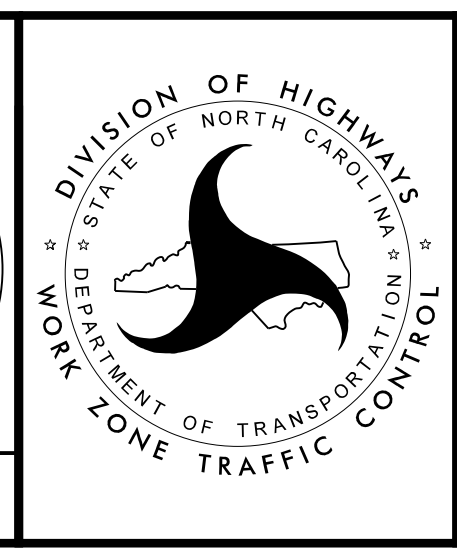
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL

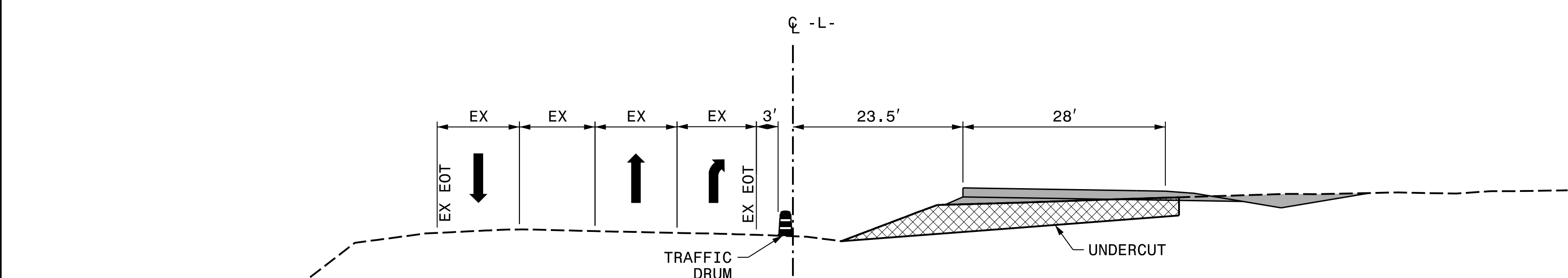


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

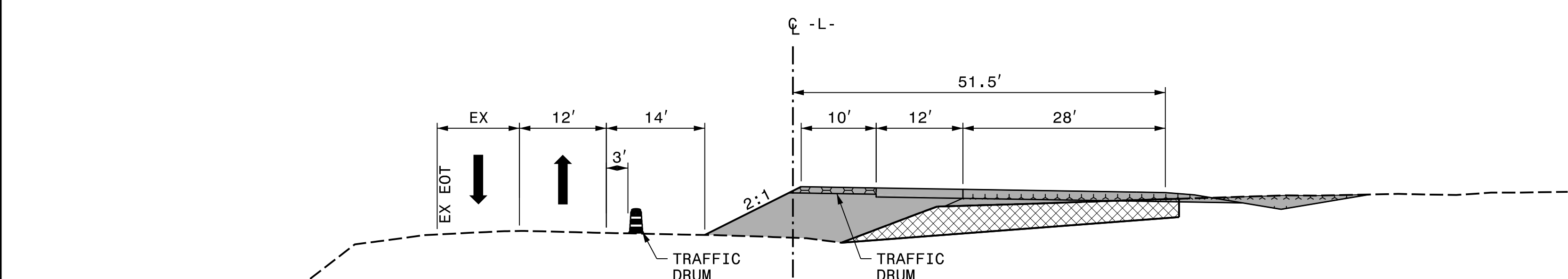


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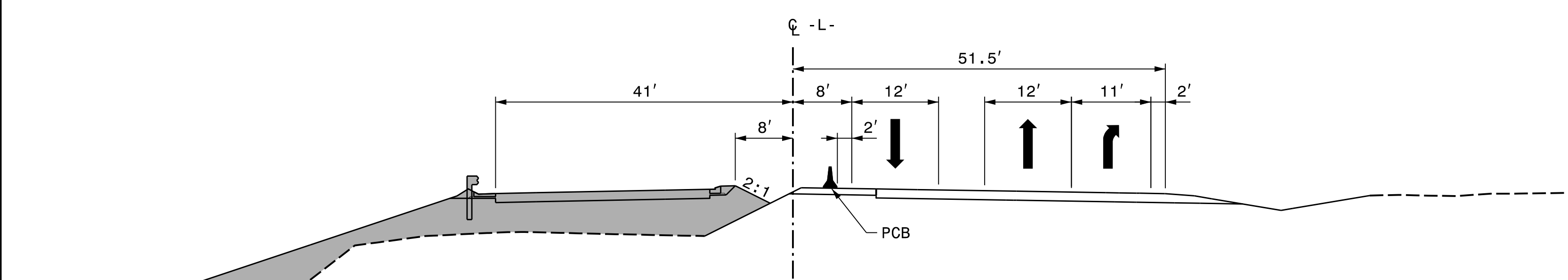
**SECTION M-M**  
-L- STA. 169+50



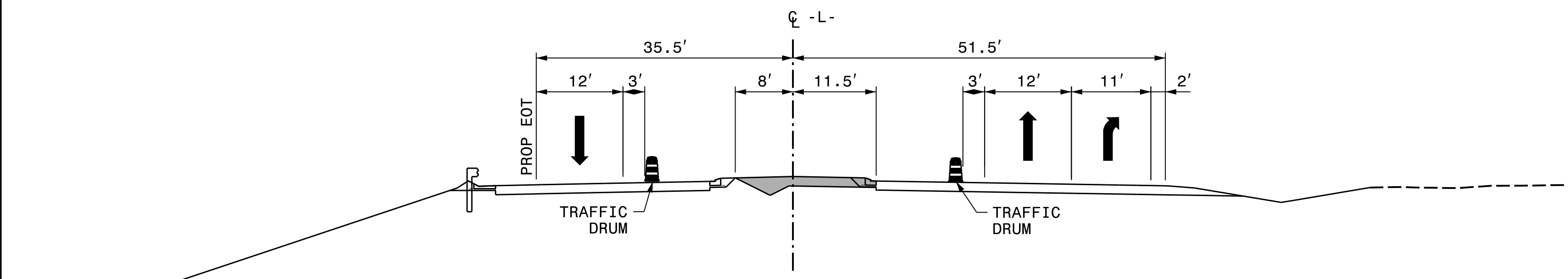
PHASE 1 - STEP 1



PHASE 1 - STEP 2

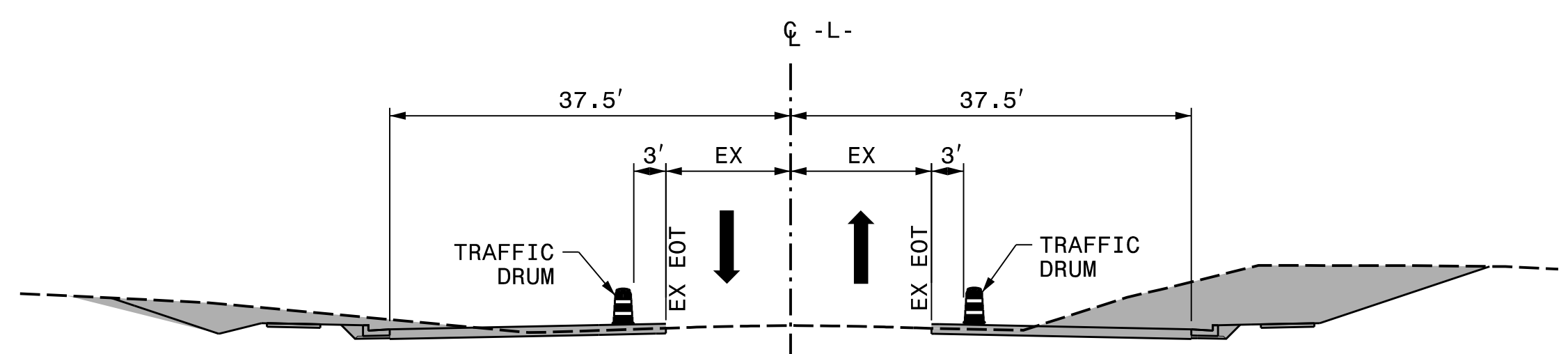


PHASE 2

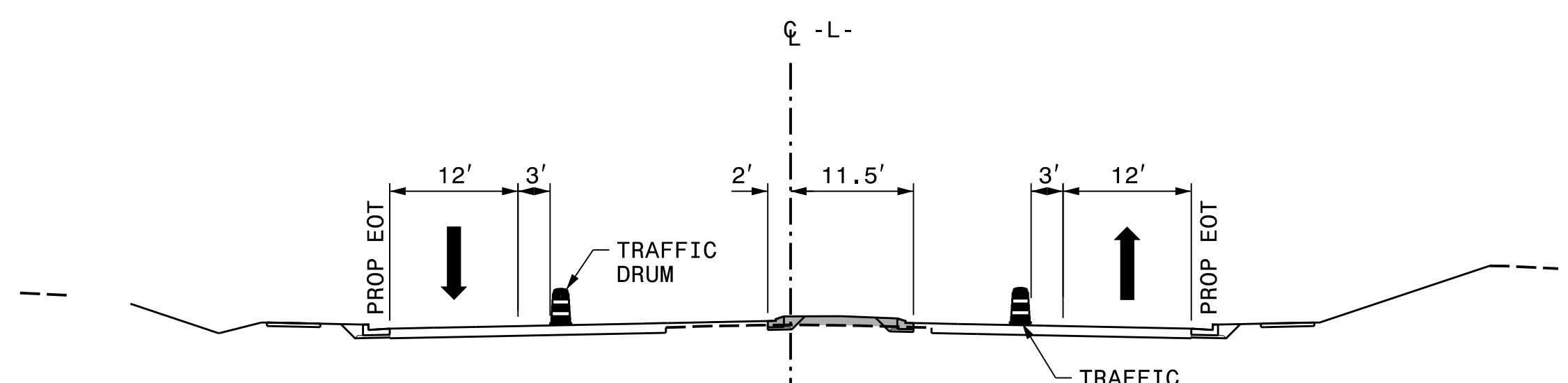


PHASE 3

**SECTION N-N**  
-L- STA. 227+00



PHASE 1 - STEP 1



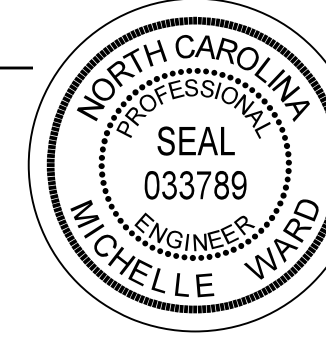
PHASE 3

REVISIONS

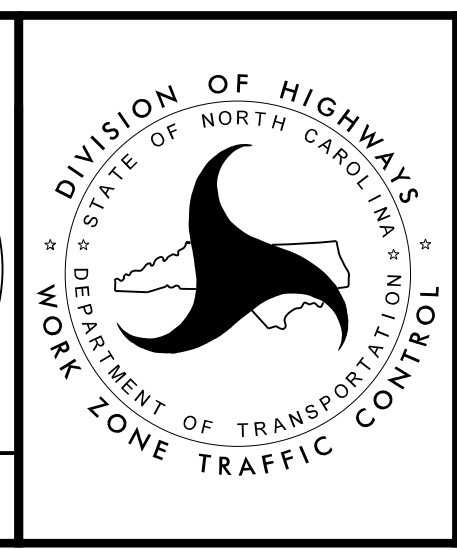
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 USER: BSCOTT  
 DATE: 6/5/2018  
 PENTABLE: NCDOT\_tcp.tbl  
 TIME: 3:15:38 PM  
 FILE: p:\p\h\p\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\_R3825B\_TC\_TMP-02J.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL



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



**CUT SECTIONS**

SIGN NUMBER: SP-01      BACKG COLOR: Fluorescent Orange      DESIGN BY: CHRIS HARNDEN      CHECKED BY: RON KING      Aug 18, 2017  
 TYPE: STATIONARY      COPY COLOR: Black      PROJECT ID: R-3825B      DIV: 4  
 QUANTITY: SEE PLANS

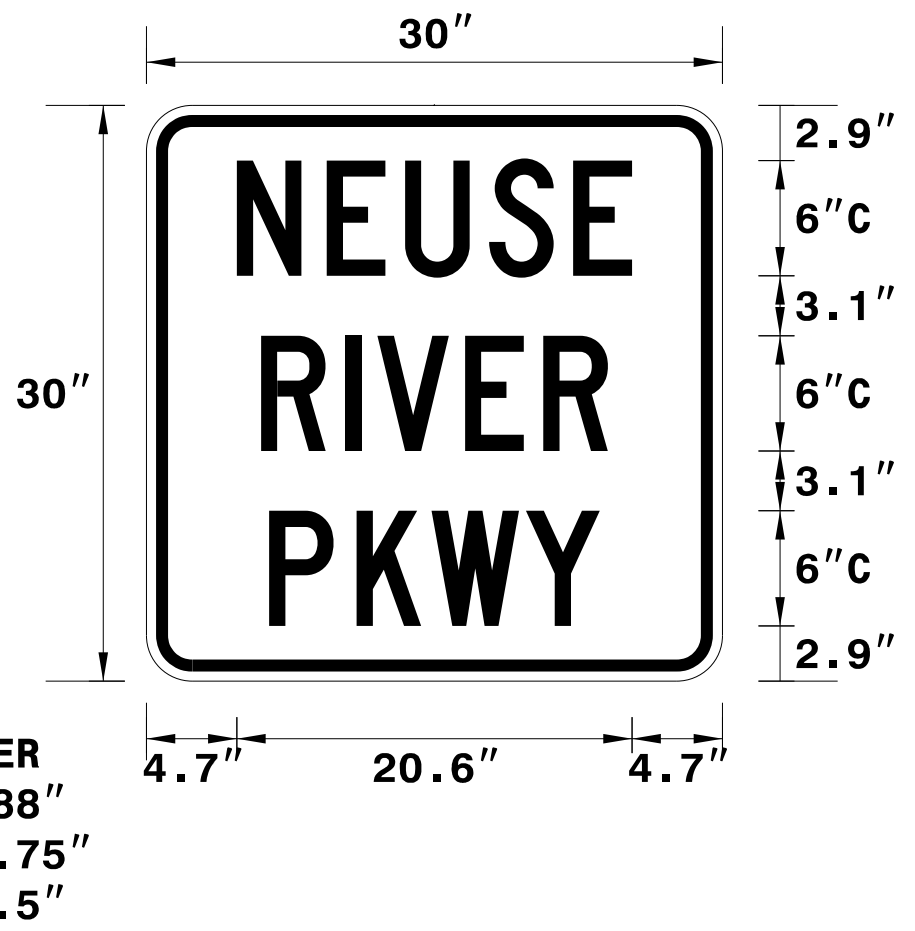
| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
|        |   |   |     |    |
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|        |   |   |     |    |
|        |   |   |     |    |

MAT'L: 0.080" (2.0 mm) ALUMINUM

NO. Z BARS:      LENGTH:

USE NOTES: 1,2

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



Spacing Factor is 1 unless specified otherwise

LETTER POSITIONS

Letter spacings are to start of next letter

|     | N   | E   | U   | S   | E   |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | Series/Size<br>Text Length |
|-----|-----|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----------------------------|
| 4.7 | 4.7 | 4.1 | 4.4 | 4.4 | 3.1 | 4.7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | C 2000<br>20.6             |
| 6   | 4.4 | 1.7 | 4.6 | 4.1 | 3.4 | 6   |  |  |  |  |  |  |  |  |  |  |  |  |  |  | C 2000<br>18.1             |
| 6.4 | 4.6 | 3.9 | 4.9 | 3.8 | 6.4 |     |  |  |  |  |  |  |  |  |  |  |  |  |  |  | C 2000<br>17.2             |

FILENAME: R3825B\_TC\_TMP-02J      NORTH CAROLINA D.O.T. SIGN DETAIL

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt      PENTABLE: NCDOT\_tcp.tbl  
 USER: BSCOTT      DATE: 6/6/2018      TIME: 1:35:47 PM  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0-CAD-BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\R3825B\_TC\_TMP-02K.dgn

REVISIONS

|                                                                  |  |                                         |
|------------------------------------------------------------------|--|-----------------------------------------|
| APPROVED: <i>Ron King</i><br>DATE: 6/6/2018<br>SEAL<br>          |  | SPECIAL SIGN DESIGN<br>NEUSE RIVER PKWY |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |  |                                         |



|                     |                                 |                          |                      |              |
|---------------------|---------------------------------|--------------------------|----------------------|--------------|
| SIGN NUMBER: SP-02  | BACKG COLOR: Fluorescent Orange | DESIGN BY: CHRIS HARNDEN | CHECKED BY: RON KING | Aug 18, 2017 |
| TYPE: STATIONARY    | COPY COLOR: Black               | PROJECT ID: R-3825B      |                      | DIV: 4       |
| QUANTITY: SEE PLANS |                                 |                          |                      |              |

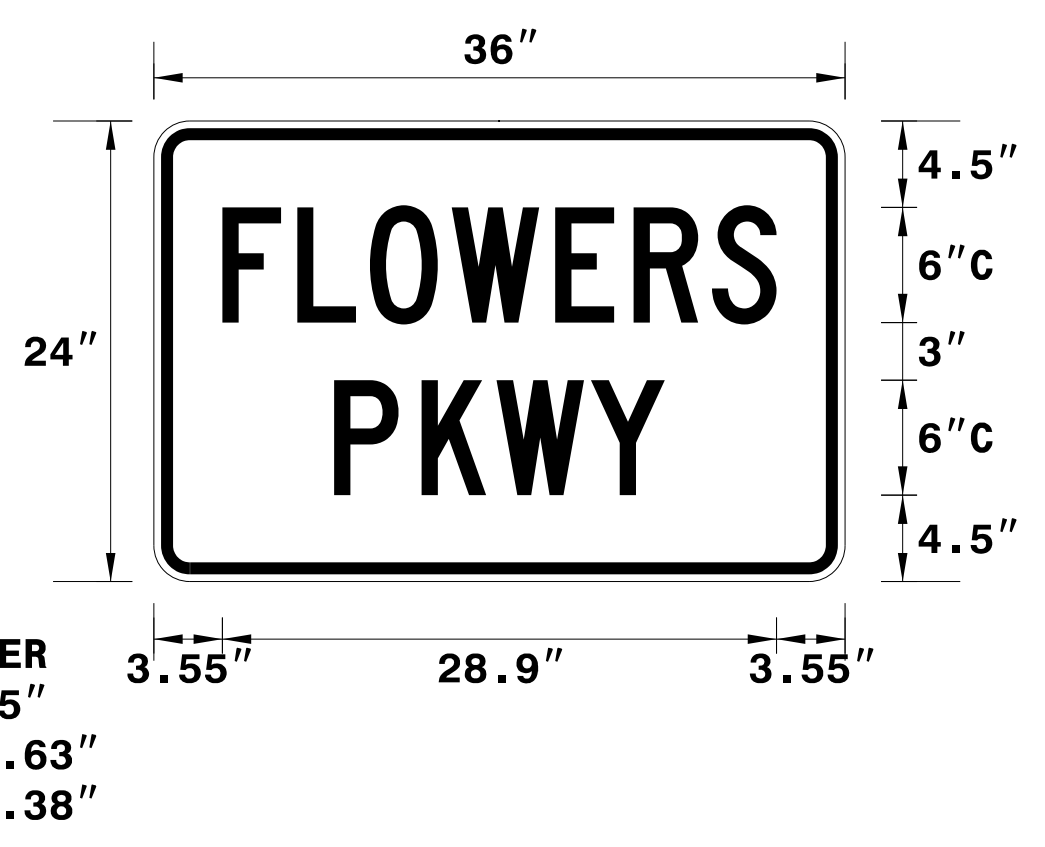
| SYMBOL | X | Y | WID | HT |
|--------|---|---|-----|----|
|        |   |   |     |    |
|        |   |   |     |    |
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|        |   |   |     |    |
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|        |   |   |     |    |
|        |   |   |     |    |

MAT'L: 0.080" (2.0 mm) ALUMINUM

**NO. Z BARS:**  
**LENGTH:**

**USE NOTES:** 1,2

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



Spacing Factor is 1 unless specified otherwise

**LETTER POSITIONS**

Letter spacings are to start of next letter

|  | F   | L   | O   | W   | E   | R   | S   |     |     |  | Series/Size<br>Text Length |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|----------------------------|
|  | 3.6 | 3.9 | 3.8 | 4.3 | 5.4 | 4.1 | 4.1 | 3.4 | 3.6 |  | C 2000<br>28.9             |
|  |     | P   | K   | W   | Y   |     |     |     |     |  | C 2000<br>17.2             |
|  | 9.4 | 4.6 | 3.9 | 4.9 | 3.8 | 9.4 |     |     |     |  |                            |
|  |     |     |     |     |     |     |     |     |     |  |                            |
|  |     |     |     |     |     |     |     |     |     |  |                            |
|  |     |     |     |     |     |     |     |     |     |  |                            |
|  |     |     |     |     |     |     |     |     |     |  |                            |
|  |     |     |     |     |     |     |     |     |     |  |                            |

FILENAME: R3825B\_TC\_TMP-02K NORTH CAROLINA D.O.T. SIGN DETAIL

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 3:15:55 PM  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0-CAD-BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\R3825B\_TC\_TMP-02L.dgn

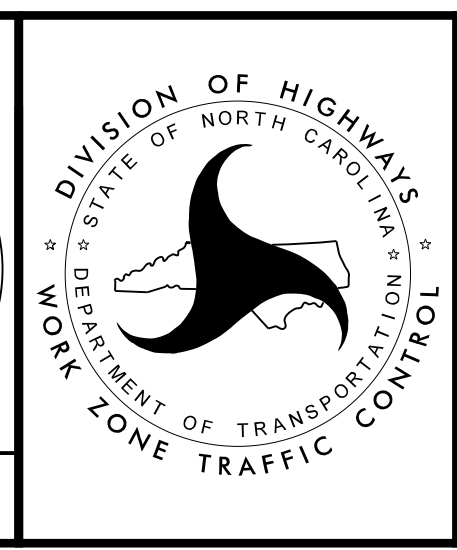
REVISIONS

APPROVED: *Ron King*

DATE: 6/6/2018

SEAL

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



SPECIAL SIGN DESIGN  
FLOWERS PKWY

|                        |                                 |                          |                      |              |
|------------------------|---------------------------------|--------------------------|----------------------|--------------|
| SIGN NUMBER: SP-03     | BACKG COLOR: Fluorescent Orange | DESIGN BY: CHRIS HARNDEN | CHECKED BY: RON KING | Apr 30, 2018 |
| TYPE: STATIONARY       | COPY COLOR: Black               | PROJECT ID: R-3825B      |                      | DIV: 4       |
| QUANTITY: SEE PLANS    |                                 |                          |                      |              |
| SIGN WIDTH: 3'-6"      |                                 |                          |                      |              |
| HEIGHT: 2'-0"          |                                 |                          |                      |              |
| TOTAL AREA: 7.0 Sq.Ft. |                                 |                          |                      |              |
| BORDER TYPE: INSET     |                                 |                          |                      |              |
| RECESS: 0.38"          |                                 |                          |                      |              |
| WIDTH: 0.63"           |                                 |                          |                      |              |
| RADII: 1.5"            |                                 |                          |                      |              |
| NO. Z BARS:            | MAT'L: 0.080" (2.0 mm) ALUMINUM |                          |                      |              |
| LENGTH:                |                                 |                          |                      |              |

**BORDER**  
 R=1.5"  
 TH=0.63"  
 IN=0.38"

Spacing Factor is 1 unless specified otherwise

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

|  | P    | I   | N   | E   | V   | I    | L   | L   | E   |     |     |  |  |  |  |  |  |  |  |  |  | Series/Size<br>Text Length |
|--|------|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|--|--|--|--|--|--|--|--|--|--|----------------------------|
|  | 4.7  | 4.6 | 2.2 | 4.7 | 3.6 | 4.6  | 2.2 | 3.9 | 3.9 | 3.1 | 4.7 |  |  |  |  |  |  |  |  |  |  | C 2000<br>32.6             |
|  |      | B   | L   | V   | D   |      |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  | D 2000<br>18.7             |
|  | 11.6 | 5.1 | 4.1 | 5.5 | 4.1 | 11.6 |     |     |     |     |     |  |  |  |  |  |  |  |  |  |  |                            |

FILENAME: R3825B\_TC\_TMP-02M NORTH CAROLINA D.O.T. SIGN DETAIL

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 3:16:04 PM  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0-CAD-BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\R3825B\_TC\_TMP-02M.dgn

REVISIONS

|                                                                  |  |                                     |
|------------------------------------------------------------------|--|-------------------------------------|
| APPROVED: <i>Ron King</i><br>DATE: 6/6/2018<br>SEAL<br>          |  | SPECIAL SIGN DESIGN<br>VILLAGE BLVD |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |  |                                     |

|                        |                                 |                          |                      |              |
|------------------------|---------------------------------|--------------------------|----------------------|--------------|
| SIGN NUMBER: SP-04     | BACKG COLOR: Fluorescent Orange | DESIGN BY: CHRIS HARNDEN | CHECKED BY: RON KING | Aug 18, 2017 |
| TYPE: STATIONARY       | COPY COLOR: Black               | PROJECT ID: R-3825B      |                      | DIV: 4       |
| QUANTITY: SEE PLANS    |                                 |                          |                      |              |
| SIGN WIDTH: 3'-0"      |                                 |                          |                      |              |
| HEIGHT: 3'-0"          |                                 |                          |                      |              |
| TOTAL AREA: 9.0 Sq.Ft. |                                 |                          |                      |              |
| BORDER TYPE: INSET     |                                 |                          |                      |              |
| RECESS: 0.63"          |                                 |                          |                      |              |
| WIDTH: 0.88"           |                                 |                          |                      |              |
| RADII: 2.25"           |                                 |                          |                      |              |
| NO. Z BARS:            | MAT'L: 0.080" (2.0 mm) ALUMINUM |                          |                      |              |
| LENGTH:                |                                 |                          |                      |              |

USE NOTES: 1,2

- Legend and border shall be direct applied black non-reflective sheeting.
- Background shall be NC GRADE B fluorescent orange retroreflective sheeting.

LETTER POSITIONS

Letter spacings are to start of next letter

|  | E    | A   | S   | T   |     |      |     |     |  |  |  |  |  |  |  |  |  |  |  | Series/Size<br>Text Length |
|--|------|-----|-----|-----|-----|------|-----|-----|--|--|--|--|--|--|--|--|--|--|--|----------------------------|
|  | 10.5 | 3.6 | 4.4 | 3.9 | 3.1 | 10.5 |     |     |  |  |  |  |  |  |  |  |  |  |  | C 2000<br>14.9             |
|  |      | S   | C   | H   | O   | O    | L   |     |  |  |  |  |  |  |  |  |  |  |  | C 2000<br>25.8             |
|  | 5.1  | 4.3 | 4.6 | 4.6 | 4.6 | 4.7  | 3.1 | 5.1 |  |  |  |  |  |  |  |  |  |  |  | C 2000<br>16.6             |
|  |      | R   | O   | A   | D   |      |     |     |  |  |  |  |  |  |  |  |  |  |  |                            |
|  | 9.7  | 4.3 | 4.3 | 4.7 | 3.4 | 9.7  |     |     |  |  |  |  |  |  |  |  |  |  |  |                            |

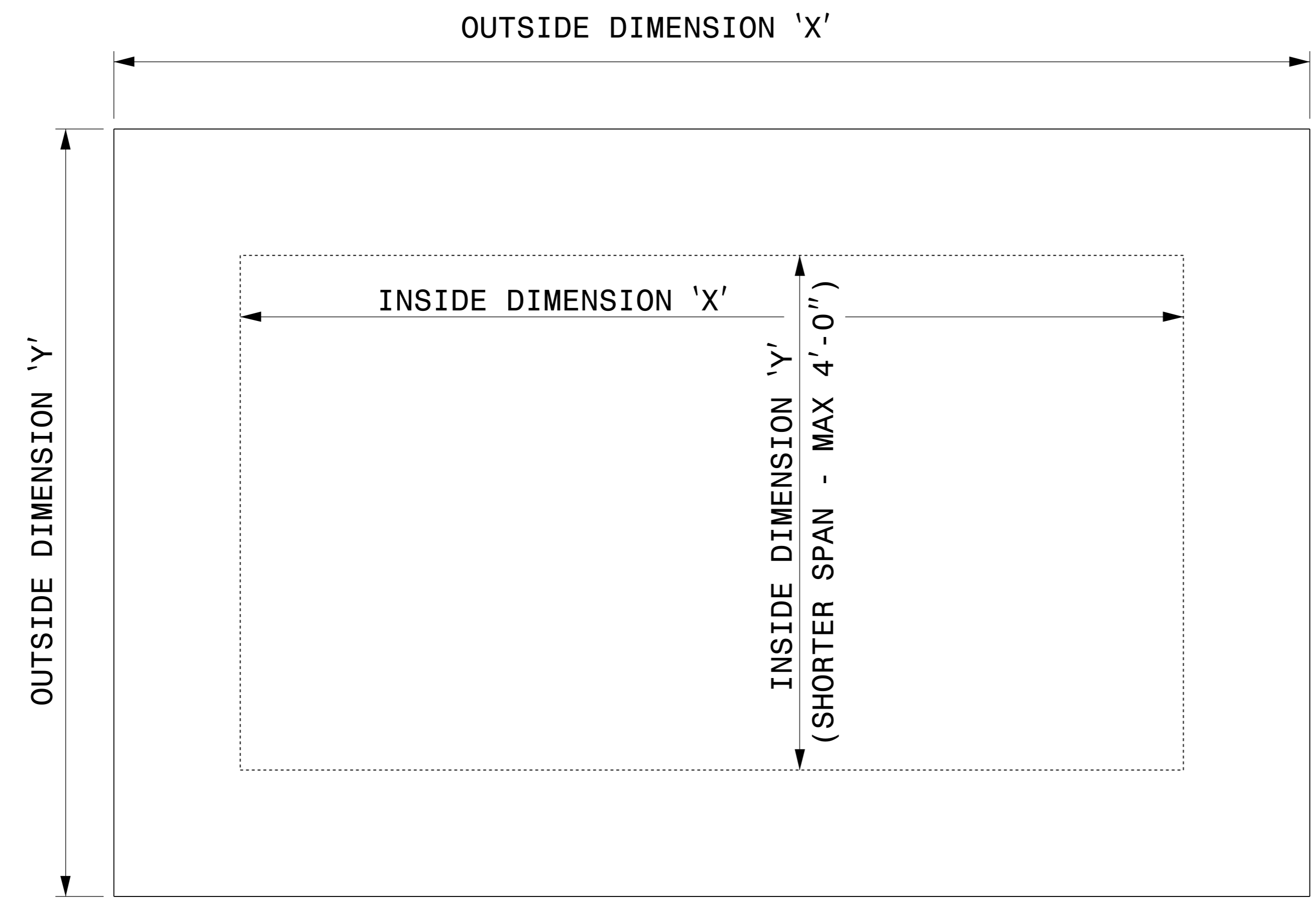
FILENAME: R3825B\_TC\_TMP-02M NORTH CAROLINA D.O.T. SIGN DETAIL

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 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 3:16:13 PM  
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REVISIONS

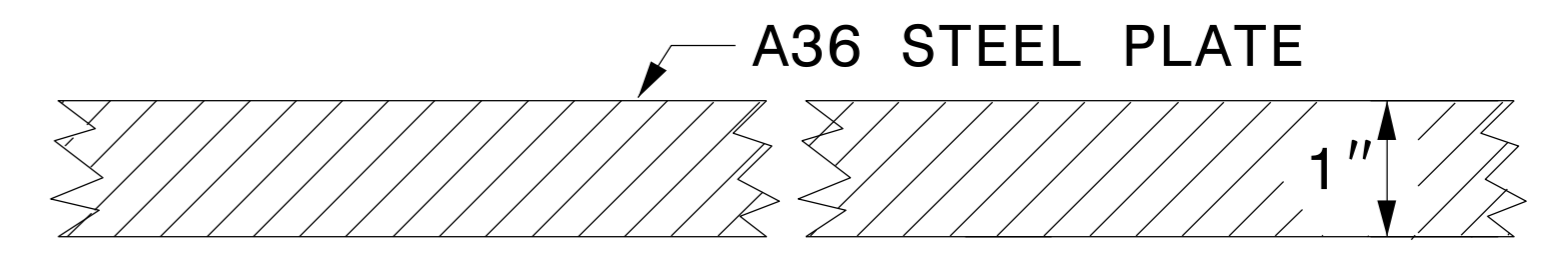
|                                                         |  |                                       |
|---------------------------------------------------------|--|---------------------------------------|
| APPROVED: <i>Ron King</i><br>DATE: 6/6/2018<br>SEAL<br> |  | SPECIAL SIGN DESIGN<br>EAST SCHOOL RD |
|---------------------------------------------------------|--|---------------------------------------|

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



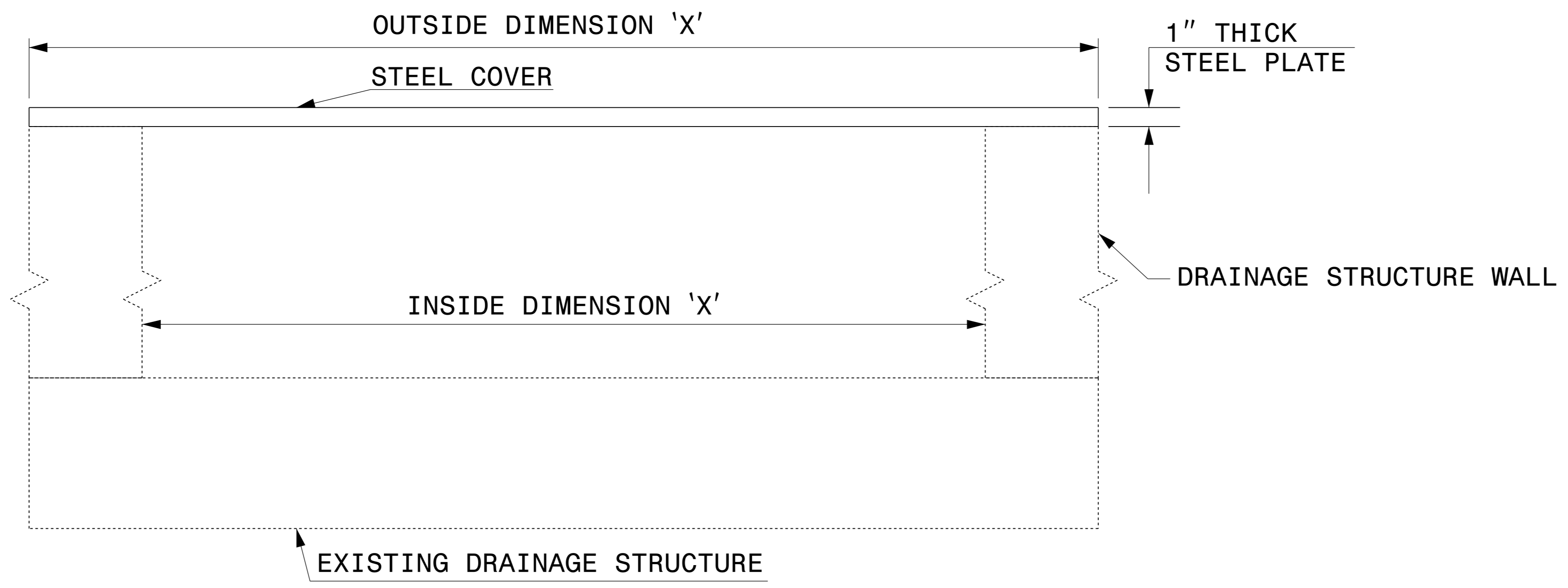
GENERAL NOTES:

- USE GRADE A36 STEEL
- STEEL COVERS ARE FOR TEMPORARY USE DURING PHASE CONSTRUCTION.
- FILL SHALL BE PLACED DIRECTLY OVER THE STEEL PLATES.
- SEE ROADWAY PLANS AND PROVISIONS FOR LOCATIONS
- QUANTITIES TO BE PAID FOR AT THE UNIT PRICE BID PER EACH.

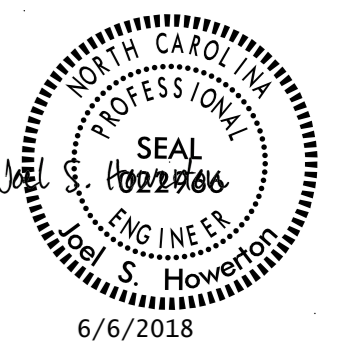


SECTION VIEW OF STEEL TOP PLATE

PLAN VIEWS



ELEVATION VIEWS



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

**CONTRACT STANDARDS AND DEVELOPMENT UNIT**  
Office 919-707-6950 FAX 919-250-4119

**DETAIL OF TEMPORARY 1" STEEL COVER OVER DRAINAGE STRUCTURE**

ORIGINAL BY: E.E. WARD DATE: 2-2-98  
 MODIFIED BY: DATE:  
 CHECKED BY: DATE:  
 FILE SPEC.: eric:/usr/details/metric/stand/st1cvr2.dgn

\$\$\$\$\$ USERNAME\$\$\$\$\$

# PHASING

|                     |           |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-3825B             | TMP-3     |

**HDR** HDR Engineering, Inc. of the Carolinas  
555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
N.C.B.E.L.S. License Number: F-0116

### NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, INSTALL ADVANCE WARNING SIGNS ON ALL ROADS, ACCORDING TO RSD 1101.01. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN ACCESS TO ALL RESIDENCES, SCHOOLS, BUS STOPS, EMERGENCY SERVICES, AND BUSINESSES AT ALL TIMES. PRIOR TO INCORPORATION, OBTAIN WRITTEN APPROVAL FROM THE ENGINEER ON METHOD TO MAINTAIN ACCESS.

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

MAINTAIN EXISTING DRAINAGE DITCHES AS LONG AS POSSIBLE AND FIELD ADJUST TO TIE TO PROPOSED DRAINAGE TO EXISTING PIPES OR DITCHES.

IN AREAS WHERE DRAINAGE BOXES WILL BE LOCATED WITHIN TEMPORARY TRAFFIC LANES, LEAVE BOXES LOW, COVER WITH STEEL PLATE AND PAVE OVER BOX FOR TEMPORARY TRAFFIC PATTERNS. UNCOVER BOX, ADJUST HEIGHT AND PLACE GRATE LATER WHEN SHIFTING TO THE FINAL TRAFFIC PATTERN. (SEE DRAINAGE PLANS & DRAINAGE SUMMARY IN THE ROADWAY PLANS AND STEEL PLATE DETAIL IN THE TMP.)

WHEN WEDGING OVER THE EXISTING PAVEMENT, WEDGE TO PROPOSED ELEVATION (LESS THE FINAL LAYER OF SURFACE COURSE), OR WEDGE AS NEEDED TO MAINTAIN TRAFFIC. MAINTAIN POSITIVE DRAINAGE AND MAINTAIN A MAXIMUM .04 ROLLOVER IN BOTH EXISTING AND/OR TEMPORARY TRAVEL LANES.

REPLACE MARKINGS AND RETURN TRAFFIC TO THE CURRENT TRAFFIC PATTERN AT THE END OF EACH WORK PERIOD UNLESS OTHERWISE NOTED IN THE PHASING OR DIRECTED BY THE ENGINEER.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING AND/OR CURRENT TEMPORARY TRAFFIC PATTERN UPON ACTIVITIES COMPLETION, UNLESS OTHERWISE NOTED IN THE PHASING.

WHEN PHASING STATES TO USE LANE CLOSURES, REFER TO THE FOLLOWING FOR ALL EXISTING AND PROPOSED ROADS:

- ALL TWO-LANE/TWO-WAY FACILITIES - SEE RSD 1101.02, SHEET 1 OF 14
- ALL 3-LANE OR 5-LANE ROADWAYS - SEE RSD 1101.02, SHEET 2 OF 14
- ALL MULTI-LANE FACILITIES POSTED < 60 MPH - SEE RSD 1101.02, SHEET 3 OF 14

FOR ALL SHOULDER CLOSURES, SEE RSD 1101.04. WHEN PORTABLE CONCRETE BARRIER (PCB) IS PRESENT ON SHOULDERS, PLACE SHOULDER CLOSURE SIGNS IN ADVANCE OF PCB.

WHEN INSTALLING AND ACTIVATING TEMPORARY AND FINAL SIGNALS, USE LANE CLOSURES AS STATED ABOVE AND LAW ENFORCEMENT.

COMPLETE PAVING UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE UNTIL STATED TO PLACE FINAL LAYER IN THE PHASING.

### PHASE 1 (SEE SHEETS TMP-4 THRU TMP-44)

COMPLETE THE WORK REQUIRED IN PHASE 1, STEPS 1-4 FROM PROJECT BEGIN TO -L- STA. 35+50 +/- (LT & RT) IN EIGHTEEN (18) MONTHS AND OPEN TO THE PHASE 2 TRAFFIC PATTERN. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

**STEP 1:**  
AWAY FROM TRAFFIC AND USING LANE CLOSURES, CONSTRUCT THE FOLLOWING:

- LT SIDE OF NC 42 FROM PROJECT BEGIN (-L- STA. 16+00 +/-) TO -L- STA. 35+50 +/-, INCLUDING 54" TRENCHLESS PIPE INSTALLATION AT -L- STA. 27+50 +/- AND -DRW1-. (WEDGE EXISTING AS NEEDED FROM -L- STA. 16+00 +/- TO STA. 22+49 +/- TO MAINTAIN TRAVEL LANES)
- OMIT C&G FROM -L- STA. 31+70 +/- TO STA. 35+50 +/- AND CONSTRUCT 4' OF TEMPORARY PAVEMENT.
- TEMPORARY ALIGNMENT -LDET- WITH TEMPORARY GUARDRAIL ON LT SIDE (WEDGE EXISTING AS NEEDED FROM -L- STA. 35+50 +/- TO STA. 43+15 +/- TO MAINTAIN TRAVEL LANES)
- TEMPORARY ALIGNMENT -Y4DET- ALONG -Y4- (FOX RIDGE ROAD), WEDGING EXISTING AS NEEDED TO MAINTAIN TRAVEL LANES
- TEMPORARY ALIGNMENT -Y5DET- ALONG -Y5- (WOODBERRY DRIVE), WEDGING EXISTING AS NEEDED TO MAINTAIN TRAVEL LANES
- LT SIDE OF NC 42 FROM -L- STA. 138+50 +/- TO STA. 153+22 +/- AND NECESSARY WEDGING
- BOTH SIDES OF NC 42 FROM -L- STA. 186+00 +/- TO STA. 199+00 +/- INCLUDING -DRW8- AND -DRW9- AND WEDGING AS NEEDED
- -Y11C- (PORTOFINO DRIVE)
- -Y12- (MOTORCYCLE ROAD) INCLUDING -DRW23-
- LT SIDE OF NC 42 FROM -L- STA. 216+50 +/- TO STA. 222+39 +/-
- \* INSTALL TEMPORARY SIGNAL #04-1432T1 AT THE -Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) INTERSECTION PRIOR TO OPENING OF SHOPPING CENTER ACROSS FROM FLOWERS PKWY

AWAY FROM TRAFFIC AND USING LANE CLOSURES, BEGIN CONSTRUCTION OF THE FOLLOWING:

- RT SIDE OF NC 42 FROM PROJECT BEGIN (-L- STA. 12+77 +/-) TO -L- STA. 21+96 +/- (WEDGE EXISTING, AS NEEDED, FROM -L- STA. 12+77 +/- TO STA. 22+49 +/-)
- RT SIDE OF NC 42 FROM -L- STA. 40+00 +/- TO STA. 49+75 +/-
- RT SIDE OF NC 42 FROM -L- STA. 52+20 +/- TO STA. 81+00 +/-, INCLUDING RIGHT SIDE OF BRIDGE OVER THE NEUSE RIVER, -DRW3-, AND TEMPORARY PAVEMENT AT GRASS ISLAND LOCATION AROUND -L- STA. 73+60 +/- AND WEDGING OVER EXISTING
- \* INSTALL TEMPORARY SHORING #1 & #2 PRIOR TO EXCAVATION FOR THE END BENT CAPS
- \* INSTALL TEMPORARY SHORING #3 & #4 WHEN CONSTRUCTING ROADWAY APPROACHES AT BRIDGE
- LT SIDE OF NC 42 FROM -L- STA. 67+42 +/- TO STA. 75+70 +/-
- -Y6- (CASTLEBERRY ROAD), INCLUDING -DRW18- AND TEMPORARY PAVEMENT ALONG -Y6- AT -L-
- WEST SIDE OF -Y8- (BENNETT PLACE)
- RT SIDE OF NC 42 FROM -L- STA. 163+30 +/- TO STA. 170+17 +/-, INCLUDING RT SIDE OF CULVERT AT STA. 167+00 +/-
- \* PLACE PCB ON TEMPORARY PAVEMENT FROM -L- STA. 162+49 +/- TO STA. 168+44 +/- PRIOR TO BEGINNING WORK IN THIS AREA
- \* OMIT MEDIAN C&G AND REPLACE WITH 4' OF TEMPORARY PAVEMENT IN ORDER TO PLACE PCB ON PAVEMENT IN PHASE 2
- \* TEMPORARY SHORING #6 WILL BE INSTALLED ALONG LEFT SIDE OF PROPOSED CONSTRUCTION
- BOTH SIDES OF NC 42 FROM -L- STA. 215+00 +/- RT AND -L- STA. 222+39 +/- LT TO PROJECT END (-L- STA. 257+50 +/-) INCLUDING -DRW13- AND -DRW14-
- \* INSTALL TEMPORARY SIGNAL #04-1432T1 AT THE -Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) INTERSECTION PRIOR TO OPENING OF SHOPPING CENTER ACROSS FROM FLOWERS PKWY
- \* TEMPORARY SIGNAL #04-0874T1 WILL BE REQUIRED AT -Y13- (BUFFALO RD) TO COMPLETE WIDENING
- -Y13- (BUFFALO ROAD) INCLUDING -DRW21- AND -DRW22-

AWAY FROM TRAFFIC AND USING LANE CLOSURES, CONSTRUCT TEMPORARY PAVEMENT ON THE LT SIDE OF NC 42 IN THE FOLLOWING LOCATIONS:

- -L- STA. 75+70 +/- TO -L- STA. 92+54 +/-
- -L- STA. 94+92 +/- TO -L- STA. 138+50 +/-, INCLUDING THE FOLLOWING:
  - 66" TRENCHLESS PIPE INSTALLATION AT -L- STA. 107+00 +/-
  - 84" BORE & JACK STEEL PIPE INSTALLATION AT -L- STA. 114+15 +/- ALONG WITH TEMPORARY PIPE EXTENSION AND TEMPORARY SHORING #5
  - 72" TRENCHLESS PIPE INSTALLATION AT -L- STA. 136+00 +/-
  - \* TEMPORARY SIGNAL #04-1412T1 WILL BE REQUIRED AT THE -Y9- (NEUSE RIVER PARKWAY) INTERSECTION
- -L- STA. 154+55 +/- TO STA. 162+30 +/- INCLUDING 54" TRENCHLESS PIPE INSTALLATION AT -L- STA. 155+50 +/- AND OTHER PROPOSED DRAINAGE FEATURES
- -L- STA. 172+20 +/- TO STA. 186+00 +/-
- -L- STA. 199+00 +/- TO STA. 216+50 +/-

THE WORK REQUIRED IN PHASE 1, STEPS 1A, 1B AND 1C MAY BE CONDUCTED IN ANY ORDER AND MAY ALSO BE CONDUCTED CONCURRENTLY. THE WORK ALSO MAY BE CONDUCTED ALONG WITH OTHER WORK IN PHASE 1, STEP 1.

COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 1A IN TWENTY-ONE (21) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

**STEP 1A:**  
COMPLETE THE FOLLOWING: (SEE SHEET TMP-24)

1. USING RSD 1101.3, SHEET 2 OF 9, CLOSE -Y9- (NEUSE RIVER PARKWAY) AND PLACE TRAFFIC IN THE OFF-SITE DETOUR.
2. AWAY FROM TRAFFIC, CONSTRUCT -Y9- (NEUSE RIVER PARKWAY) AND -L- FROM STA. 92+54 +/- TO STA. 94+92 +/-
3. PLACE TEMPORARY MARKING AND MARKERS AND REOPEN TO TRAFFIC
  - \* TEMPORARY SIGNAL #04-1412T1 WILL REMAIN IN PLACE

COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 1B IN SEVEN (7) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

**STEP 1B:**  
COMPLETE THE FOLLOWING: (SEE SHEET TMP-25)

1. USING RSD 1101.03, SHEETS 1 & 2 OF 9, CLOSE -Y12A- (FLOWERS PARKWAY) AND PLACE TRAFFIC IN THE OFF-SITE DETOUR.
  - \* TEMPORARY SIGNAL #04-1432T2 WILL BE REQUIRED AT THE -Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) INTERSECTION FOR CLOSURE OF FOURTH LEG OF INTERSECTION
2. AWAY FROM TRAFFIC, CONSTRUCT -Y12A- (FLOWERS PARKWAY)
3. PLACE TEMPORARY MARKING AND MARKERS AND REOPEN TO TRAFFIC
  - \* SIGNAL AT THIS INTERSECTION WILL REVERT BACK TO TEMPORARY SIGNAL #04-1432T1 WHEN REOPENING -Y12A- (FLOWERS PKWY)

COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 1C IN SEVEN (7) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

**STEP 1C:**  
COMPLETE THE FOLLOWING: (SEE SHEET TMP-26)

1. USING RSD 1101.3, SHEETS 1 & 2 OF 9, CLOSE -Y12B- (PINEVILLE BLVD) AND PLACE TRAFFIC IN THE OFF-SITE DETOUR
2. CONSTRUCT -Y12B- (PINEVILLE BLVD)
3. PLACE TEMPORARY MARKING AND MARKERS AND REOPEN TO TRAFFIC

**STEP 2:**  
USING LANE CLOSURES, PLACE TEMPORARY MARKING AND SIMULTANEOUSLY COMPLETE THE FOLLOWING:

- SHIFT TRAFFIC TO TEMPORARY PATTERN ON LT SIDE OF NC 42 FROM PROJECT BEGIN TO -L- STA. 35+50 +/- AND -LDET- TO EXISTING THAT WAS CONSTRUCTED IN STEP 1
- SHIFT -Y4- TRAFFIC TO THE -Y4DET- TEMPORARY ALIGNMENT ALONG -Y4- (FOX RIDGE ROAD) THAT WAS CONSTRUCTED IN STEP 1

ONCE TRAFFIC IS SHIFTED, BEGIN CONSTRUCTION OF THE FOLLOWING USING LANE CLOSURES:

- RT SIDE OF NC 42 FROM -L- STA. 21+96 +/- TO STA. 37+00 +/-
- -Y4- (FOX RIDGE ROAD), INCLUDING -DRW16-
- RT SIDE OF NC 42 FROM -L- STA. 38+74 +/- TO STA. 40+00 +/-
- TEMPORARY PAVEMENT IN MEDIAN FROM -L- STA. 32+70 +/- TO STA. 35+50 +/-

USING LANE CLOSURES, PLACE TEMPORARY MARKING AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN FROM -L- STA. 74+05 +/- TO -L- STA. 163+74 +/-, ON TEMPORARY AND PROPOSED PAVEMENT CONSTRUCTED IN STEP 1.

- \* TEMPORARY SIGNAL #04-1412T2 WILL BE REQUIRED AT -Y9- (NEUSE RIVER PARKWAY) WHEN SHIFTING TO THE TEMPORARY PATTERN
- \* PLACE PCB ALONG LEFT SIDE OF -L- FROM STA. 113+40 +/- TO STA. 117+00 +/- PRIOR TO SHIFTING TRAFFIC

ONCE TRAFFIC IS SHIFTED, BEGIN CONSTRUCTION OF RT SIDE OF NC 42 FROM -L- STA. 81+48 +/- TO -L- STA. 163+30 +/-, INCLUDING THE FOLLOWING:

- -DRW4-, -DRW6-, -DRW7-, AND -DR1- (ALECIA COURT)
- EAST SIDE OF -Y8- (BENNETT PLACE), INCLUDING PORTION OF MEDIAN ISLAND
- -Y10- (QUEEN ANN DRIVE), INCLUDING MEDIAN ISLAND
- OMIT MEDIAN C&G FROM -L- STA. 96+50 +/- TO STA. 114+65 +/- AND REPLACE WITH TEMPORARY PAVEMENT IN ORDER TO PLACE PCB ON PAVEMENT IN PHASE 2
- REMAINDER OF 84" STEEL PIPE INSTALLATION AT -L- STA. 114+15 +/-
- -Y11- (NEUSE COLONY DRIVE), INCLUDING MEDIAN ISLAND AND TEMPORARY TIE TO EXISTING NC 42

USING LANE CLOSURES, PLACE TEMPORARY MARKING AND SIMULTANEOUSLY COMPLETE THE FOLLOWING:

- SHIFT TRAFFIC TO THE TEMPORARY PATTERN FROM -L- STA. 170+45 +/- TO -L- STA. 219+60 +/- ON TEMPORARY AND PROPOSED PAVEMENT CONSTRUCTED IN STEP 1 (NOTE: TEMPORARY SIGNAL #04-1432T1 WILL REMAIN IN PLACE)
- OPEN -Y11C- (PORTOFINO DRIVE) AND -Y12- (MOTORCYCLE ROAD) TO TRAFFIC
- CLOSE -Y11A- (TUSCAN RIDGE ROAD) AND DIRECT TRAFFIC THROUGH VERONA DR TO NC 42 AS SHOWN ON SHEET TMP-37
  - \* IN ORDER TO MINIMIZE THE DURATION THAT -Y11A- TRAFFIC WILL BE DETOURED THROUGH VERONA DRIVE, -Y11A- SHALL NOT BE CLOSED IMMEDIATELY UPON SHIFTING TRAFFIC TO THE PHASE 1, STEP 2 PATTERN, UNLESS READY TO PROCEED WITH WORK IN THIS AREA.
- PERMANENTLY CLOSE EXISTING -Y12- (MOTORCYCLE ROAD), CONSTRUCT TURNAROUND AND INSTALL "END OF ROAD" OBJECT MARKERS"
  - \* WILL REQUIRE TEMPORARY SIGNAL #04-1423T1 AT THE -Y11C-/-Y12- (PORTOFINO DRIVE/MOTORCYCLE ROAD) INTERSECTION

ONCE TRAFFIC IS SHIFTED, BEGIN CONSTRUCTION OF THE FOLLOWING AWAY FROM TRAFFIC AND USING LANE CLOSURES:

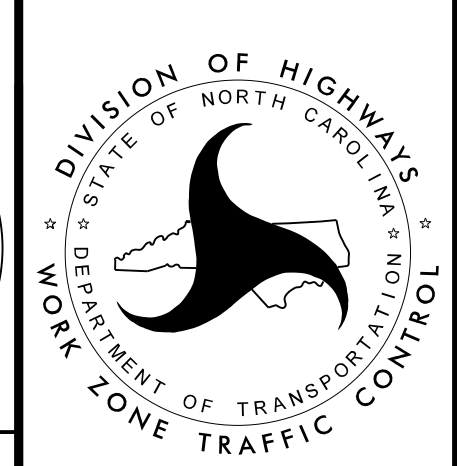
- RT SIDE OF NC 42 FROM -L- STA. 167+75 +/- TO -L- STA. 178+00 +/-, INCLUDING TEMPORARY PAVEMENT FROM -L- STA. 167+75 +/- TO 171+16 +/-
- -Y11A- (TUSCAN RIDGE DRIVE), INCLUDING PORTION OF MEDIAN ISLAND AND TEMPORARY PAVEMENT
- -LDET2-
- RT SIDE OF NC 42 FROM -L- STA. 199+00 +/- TO -L- STA. 214+60 +/-, INCLUDING -DRW10- AND -DRW12-

APPROVED: *Michelle Ward*

DATE: 4/1/2020

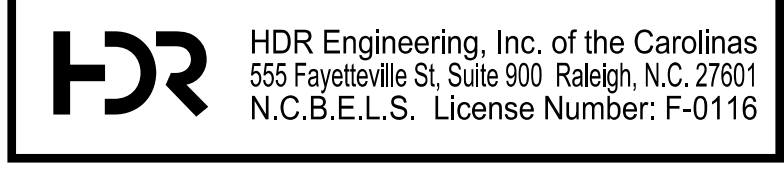
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REVISIONS  
04/01/2020: REVISED PHASE 1, STEPS 1, 1B, 2 AND 4 AND PHASE 2, STEP 3 TO INCLUDE TEMP. SIGNALS AT THE -Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) INTERSECTION FOR OPENING OF -DRW27-.



### PHASE 1 (CONT.)

THE WORK REQUIRED IN PHASE 1, STEPS 2A AND 2B MAY BE CONDUCTED ALONG WITH OTHER WORK IN PHASE 1, STEP 2, HOWEVER, STEP 2A MUST BE COMPLETED PRIOR TO STEP 2B.

**STEP 2A:**  
USING LANE CLOSURES, COMPLETE THE FOLLOWING (SEE SHEET TMP-42):

1. SHIFT -Y5- (WOODBERRY DRIVE) TRAFFIC TO THE -Y5DET- TEMPORARY ALIGNMENT ALONG -Y5- THAT WAS CONSTRUCTED IN PHASE 1, STEP 1
2. CONSTRUCT -Y5- (WOODBERRY DRIVE) AND RT SIDE OF NC 42 FROM -L- STA. 50+88 +/- TO STA. 52+20 +/-, INCLUDING TEMPORARY TIE FROM -Y5- TO EXISTING NC 42
3. PLACE TEMPORARY MARKING AND MARKERS AND OPEN -Y5- (WOODBERRY DRIVE) TO TRAFFIC THEN CONSTRUCT -DRW17- & REMOVE -Y5DET-

**STEP 2B:**  
USING LANE CLOSURES, COMPLETE THE FOLLOWING (SEE SHEETS TMP-43 & TMP-44):

- RT SIDE OF -L- FROM STA. 38+74 +/- TO STA. 50+88 +/-
- -Y4- (FOX RIDGE ROAD), INCLUDING -DRW16-

THEN OPEN -Y4- (FOX RIDGE ROAD) ACCESS TO NC 42 VIA -Y5- (WOODBERRY DRIVE) AS SHOWN. ONCE -Y4- (FOX RIDGE ROAD) IS OPEN, CONSTRUCT RT SIDE OF NC 42 FROM -L- STA. 37+00 +/- TO -L- STA. 38+74 +/- AND -DRW15- AND REMOVE -Y4DET- ALONG -Y4- (FOX RIDGE ROAD).

**STEP 3:**  
USING LANE CLOSURES, COMPLETE THE FOLLOWING:

- RT SIDE OF NC 42, NOT COMPLETED EARLIER, FROM PROJECT BEGIN TO -Y12A- (FLOWERS PARKWAY), INCLUDING -DRW3-, RIGHT SIDE OF BRIDGE OVER THE NEUSE RIVER, -DRW4-, -DRW6-, -DRW7-, -DR1- (ALECIA COURT), -DRW8-, -DRW9-, -DRW10-, -DRW12- AND RIGHT SIDE OF CULVERT AT -L- STA. 167+00 +/-
- -Y6- (CASTLEBERRY ROAD)
- -Y8- (BENNETT PLACE)
- -Y10- (QUEEN ANN DRIVE)
- -Y11- (NEUSE COLONY DRIVE)
- -Y11A- (TUSCAN RIDGE DRIVE)

**STEP 4:**  
USING LANE CLOSURES, PLACE TEMPORARY MARKING AND SHIFT TRAFFIC TO THE PHASE 2 TRAFFIC PATTERN. (SEE SHEETS TMP-45 THRU TMP-61)

\* TEMPORARY AND/OR FINAL SIGNALS WILL BE REQUIRED AT THE FOLLOWING INTERSECTIONS WITH NC 42:

- GLEN LAUREL RETAIL (#04-1433)
- Y6- (CASTLEBERRY ROAD) (#04-1241T1)
- Y9- (NEUSE RIVER PARKWAY) (#04-1412T3)
- Y11C-/-Y12- (PORTOFINO DRIVE/MOTORCYCLE ROAD) (#04-1423T1) REMAINS
- Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) (#04-1432T1) REMAINS

\* PCB WILL BE REQUIRED AT THE FOLLOWING LOCATIONS PRIOR TO SHIFTING TO THE PHASE 2 TRAFFIC PATTERN:

- L- STA. 61+50 +/- TO STA. 67+50 +/- (SEE SHEET TMP-49)
- L- STA. 96+00 +/- TO STA. 110+74 +/- (SEE SHEETS TMP-51 AND TMP-52)
- L- STA. 163+30 +/- TO STA. 176+00 +/- (SEE SHEETS TMP-56 AND TMP-57)

ONCE TRAFFIC IS PLACED IN THE PHASE 2 TRAFFIC PATTERN ON -LDET2- FROM STA. 171+20 +/- TO STA. 181+91 +/-, PROCEED WITH THE WORK REQUIRED DURING THE INTERMEDIATE CONTRACT TIME IN PHASE 2, STEP 1B.

### PHASE 2 (SEE SHEETS TMP-45 THRU TMP-62C)

**STEP 1:**  
AWAY FROM TRAFFIC AND USING LANE CLOSURES, CONSTRUCT LT SIDE OF NC 42 IN THE FOLLOWING LOCATIONS:

- -L- STA. 35+50 +/- TO -L- STA. 68+00 +/-, INCLUDING -DRW2- AND LEFT SIDE OF BRIDGE OVER THE NEUSE RIVER (INCLUDING CLOSURE POUR)
- -L- STA. 75+70 +/- TO -L- STA. 92+54 +/-
- -L- STA. 94+92 +/- TO -L- STA. 138+50 +/-, INCLUDING JUNCTION BOX AND PIPE AT -L- STA. 114+15 +/-
- -L- STA. 153+22 +/- TO -L- STA. 171+16 +/-, INCLUDING LEFT SIDE OF CULVERT AT -L- STA. 167+00 +/-
- -L- STA. 199+00 +/- TO -L- STA. 216+50 +/-, INCLUDING -DRW11-

AWAY FROM TRAFFIC AND USING LANE CLOSURES, CLOSE AND CONSTRUCT -Y10A-. TRAFFIC WILL UTILIZE ALTERNATE ENTRANCES OFF OF -Y9- (NEUSE RIVER PARKWAY).

USING LANE CLOSURES, CONSTRUCT -Y10B- (TRILLIUM WAY) AND -Y10C- (BROOKHAVEN DRIVE) UNDER TRAFFIC, INCLUDING -DRW19- AND -DRW20-. USE INCIDENTAL STONE AS NEEDED TO MAINTAIN TRAFFIC.

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

- RT SIDE OF NC 42 FROM -Y12A- (FLOWERS PARKWAY) TO PROJECT END (-L- STA. 257+50 +/-), INCLUDING -DRW13- AND -DRW14-
- LT SIDE OF NC 42 FROM -L- STA. 222+39 +/- TO PROJECT END (-L- STA. 257+50 +/-)
- -Y13- (BUFFALO ROAD) INCLUDING -DRW21- AND -DRW22-

THE WORK REQUIRED IN PHASE 2, STEP 1A AND 1B SHALL BE CONDUCTED ALONG WITH OTHER WORK IN PHASE 2, STEP 1.

COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 1A IN FOURTEEN (14) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

**STEP 1A:**  
COMPLETE THE FOLLOWING:

1. USING RSD 1101.03, SHEET 2 OF 9, CLOSE -Y7- (EAST SCHOOL ROAD) AND PLACE TRAFFIC IN THE OFF-SITE DETOUR
2. AWAY FROM TRAFFIC, CONSTRUCT -Y7- (EAST SCHOOL ROAD)
3. PLACE TEMPORARY MARKING AND MARKERS AND REOPEN TO CURRENT TEMPORARY TRAFFIC PATTERN

THE WORK REQUIRED IN PHASE 2, STEP 1B SHALL BE CONDUCTED IMMEDIATELY UPON SHIFTING TO THE PHASE 2 TRAFFIC PATTERN IN ORDER TO MINIMIZE THE DURATION THAT TRAFFIC WILL BE ON THE -LDET2- TEMPORARY ALIGNMENT.

COMPLETE THE WORK REQUIRED IN PHASE 2, STEP 1B IN SIXTY (60) CONSECUTIVE CALENDAR DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

**STEP 1B:**  
COMPLETE THE FOLLOWING:

1. CLOSE -Y11B- (VERONA DRIVE) AND DIRECT TRAFFIC TO TUSCAN RIDGE ROAD AS SHOWN ON SHEETS TMP-57 AND TMP-58
2. AWAY FROM TRAFFIC AND USING LANE CLOSURES, CONSTRUCT RIGHT SIDE OF -L- FROM STA. 178+00 +/- TO 186+00 +/- AND -Y11B- (VERONA DRIVE).
3. PLACE TEMPORARY MARKINGS AND MARKERS AND OPEN -Y11B- (VERONA DRIVE) TO THE PHASE 2, STEP 2 TRAFFIC PATTERN. (SEE SHEETS TMP-62A, TMP-62B AND TMP-62C)  
\* TEMPORARY SIGNAL WILL BE REQUIRED AT THE -Y11C-/-Y12- (PORTOFINO DR/ MOTORCYCLE ROAD) INTERSECTION (#04-1423T2)

**STEP 2:**  
AWAY FROM TRAFFIC AND USING LANE CLOSURES, CONSTRUCT LEFT SIDE OF -L- FROM STA. 171+16 +/- TO 186+00 +/- (SEE SHEETS TMP-62A AND TMP-62B)

**STEP 3:**  
USING LANE CLOSURES, PLACE TEMPORARY MARKINGS AND SHIFT TRAFFIC TO THE PHASE 3 TRAFFIC PATTERN.

\* TEMPORARY SIGNALS WILL BE REQUIRED AT THE FOLLOWING INTERSECTIONS WITH NC 42:

- Y6- (CASTLEBERRY ROAD) (#04-1241T2)
- Y9- (NEUSE RIVER PARKWAY) (#04-1412T4)
- Y11C-/-Y12- (PORTOFINO DRIVE/MOTORCYCLE ROAD) (#04-1423T3)
- Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) (#04-1432T3)
- Y13- (BUFFALO ROAD) (#04-0874T2)

### PHASE 3 (SEE SHEETS TMP-63 THRU TMP-82)

**STEP 1:**  
AWAY FROM TRAFFIC AND USING LANE CLOSURES AS NEEDED, CONSTRUCT MEDIAN GRASS AND MONOLITHIC ISLANDS THROUGHOUT THE PROJECT, INCLUDING ANY C&G OMITTED EARLIER.

- \* ALL ISLAND CONSTRUCTION MAY OCCUR SIMULTANEOUSLY, EXCEPT AS NOTED FOR BULB-OUT AROUND -L- STA. 142+00 +/- AT THIS LOCATION, ALTERNATE ISLAND CONSTRUCTION SO THAT U-TURN REMAINS OPEN AT ALL TIMES.
- \* ALL TRAFFIC WILL U-TURN AT NEAREST INTERSECTION (OR BULB-OUT LOCATION AROUND -L- STA. 142+00 +/-) DURING CONSTRUCTION OF MEDIAN.

USING LANE CLOSURES, INSTALL AND COVER PROPOSED SIGNAL AT -Y12A- (FLOWERS PARKWAY).

**STEP 2:**  
USING LANE CLOSURES, PLACE THE FINAL LAYER OF SURFACE COURSE AND TEMPORARY MARKINGS IN THE FINAL PATTERN, THEN PLACE TRAFFIC IN THE FINAL PATTERN.

\* FINAL SIGNALS WILL BE REQUIRED AT THE FOLLOWING INTERSECTIONS WITH NC 42:

- Y6- (CASTLEBERRY ROAD) (#04-1241)
- Y9- (NEUSE RIVER PARKWAY) (#04-1412)
- Y11C-/-Y12- (PORTOFINO DRIVE/MOTORCYCLE ROAD) (#04-1423)
- Y12A- (FLOWERS PARKWAY) (#04-1432)
- Y13- (BUFFALO ROAD) (#04-0874)

**STEP 3:**  
USING LANE CLOSURES, PLACE THE FINAL MARKINGS AND MARKERS AND REOPEN TRAFFIC TO THE FINAL PATTERN.

**STEP 4:**  
REMOVE ALL REMAINING TRAFFIC CONTROL DEVICES.

REVISIONS  
04/01/2020: REVISED PHASE 1, STEPS 1, 1B, 2 AND 4 AND PHASE 2, STEP 3 TO INCLUDE TEMP. SIGNALS AT THE -Y12A- (FLOWERS PKWY)/-DRW27-/-L- (NC 42) INTERSECTION FOR OPENING OF -DRW27-.

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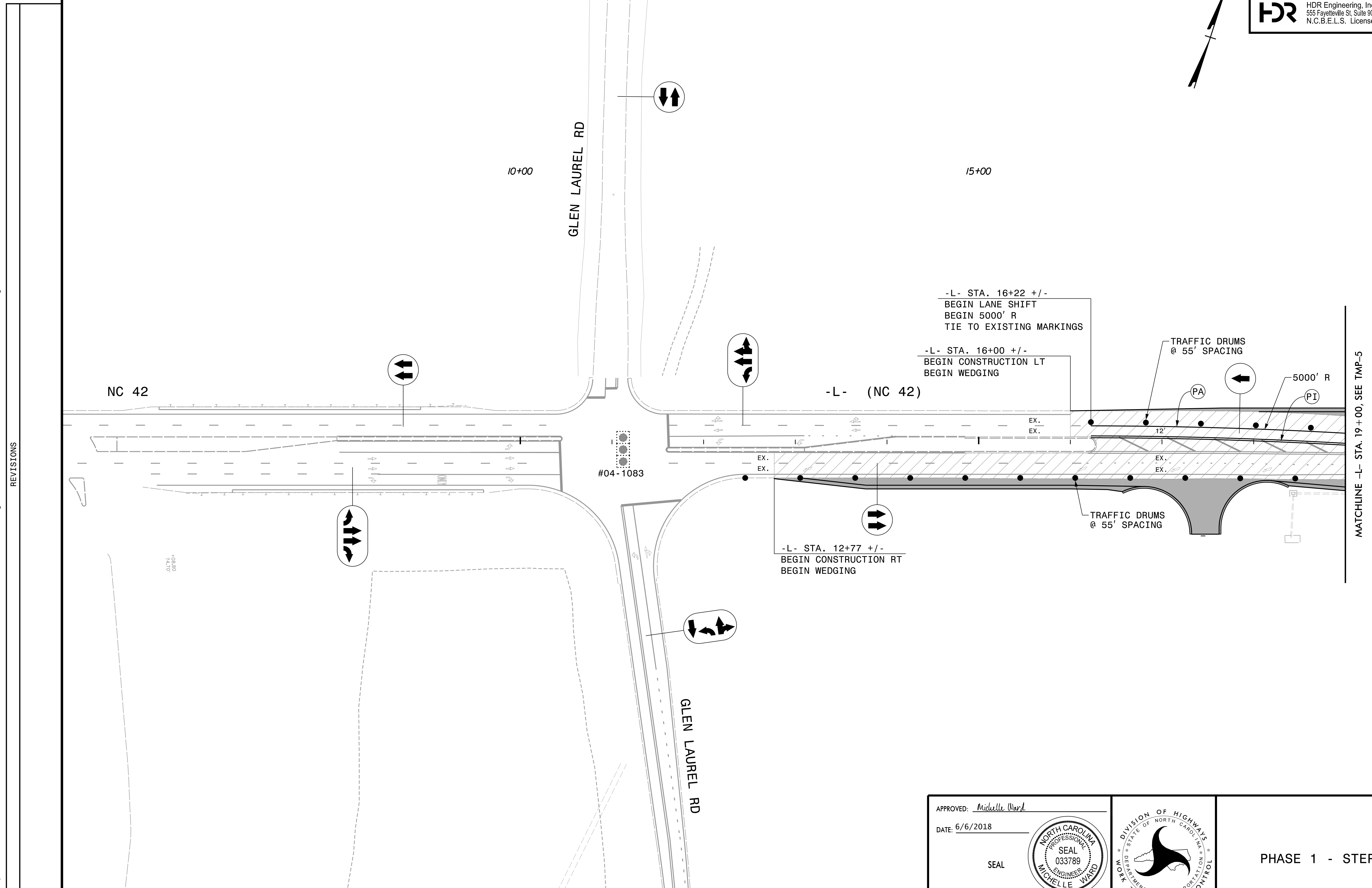
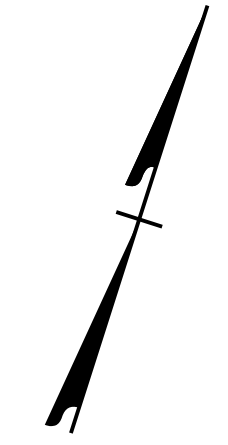
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DATE: 4/1/2020

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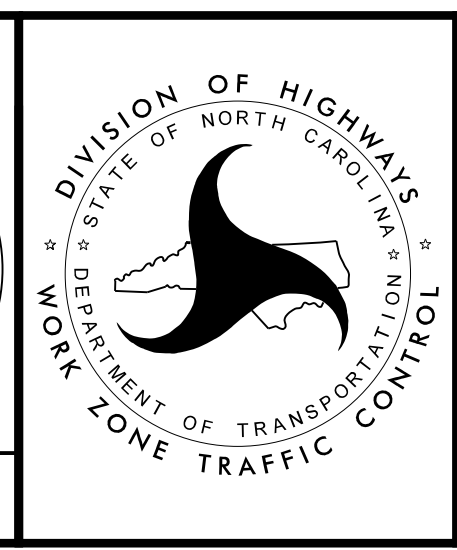
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REVISIONS

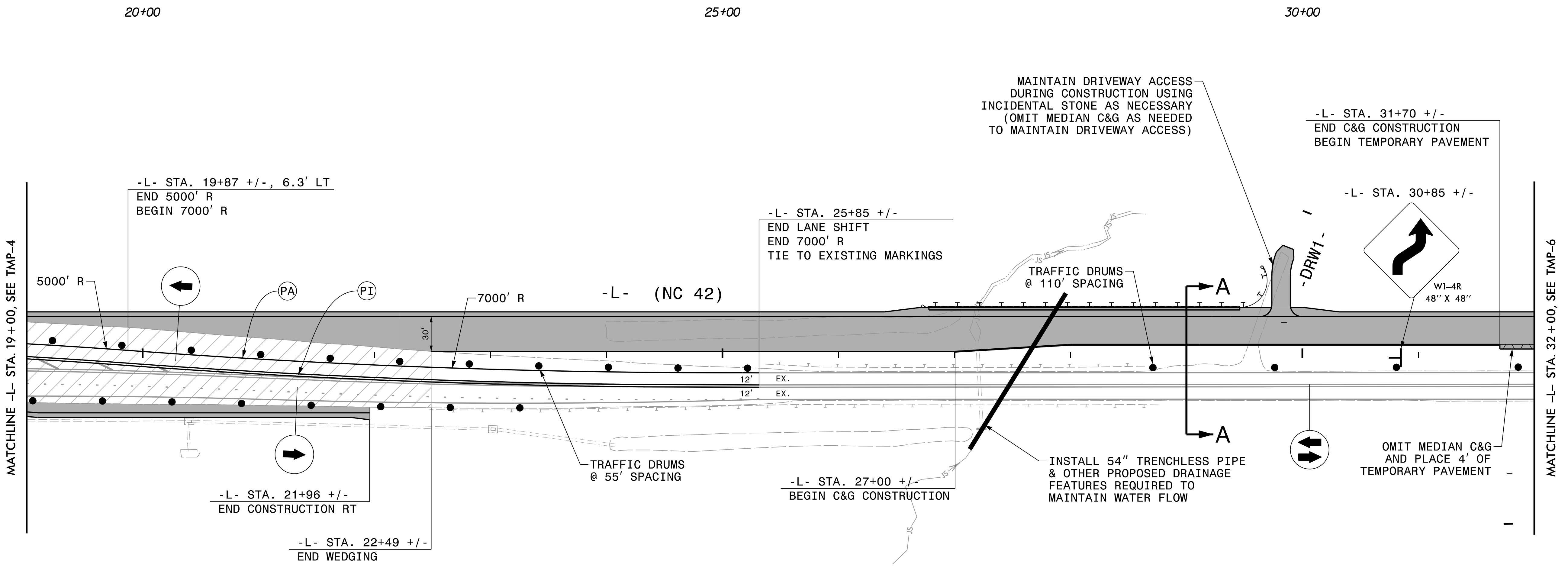
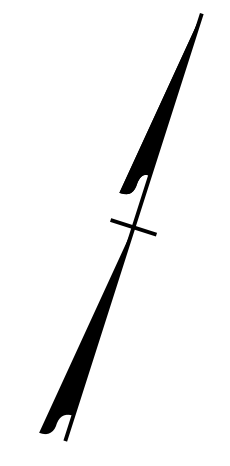
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PHASE 1 - STEP 1

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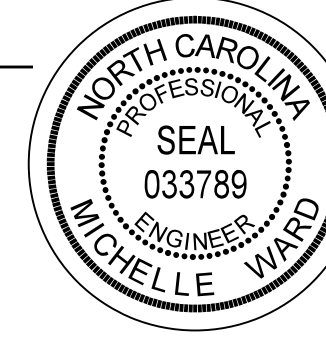
REVISIONS

NOTE:  
SEE SHEET TMP-2B FOR CUT SECTION A-A


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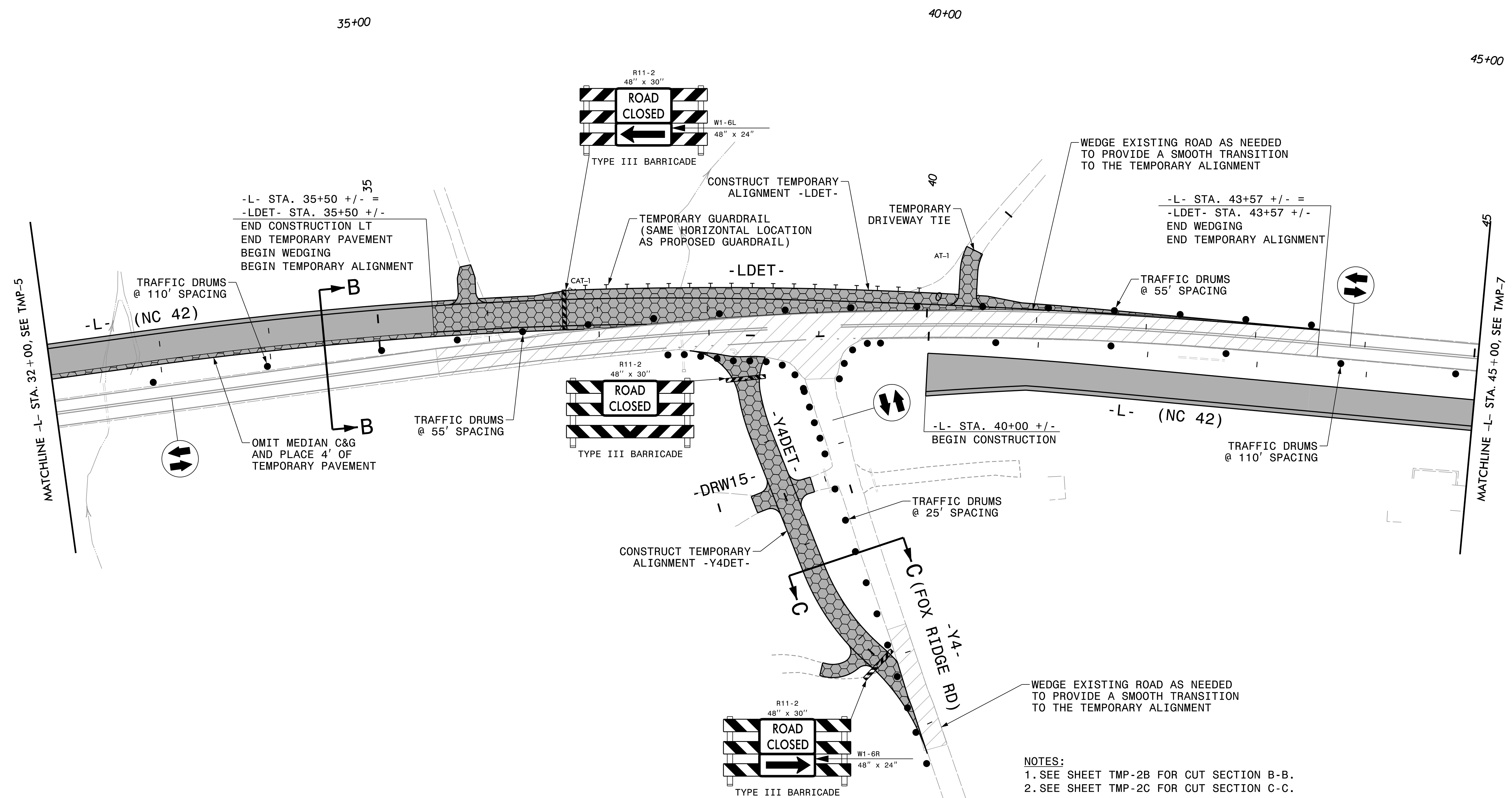
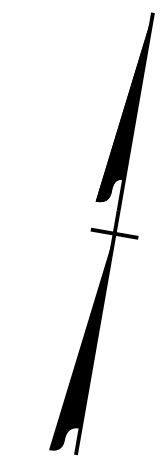
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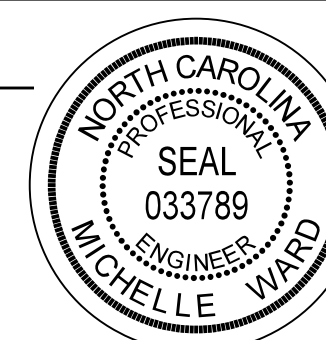
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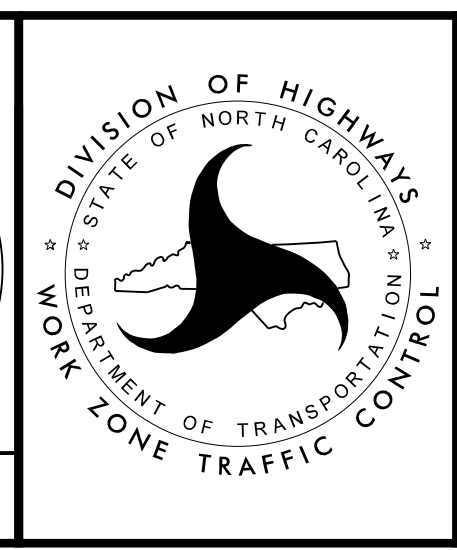
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- NOTES:  
 1. SEE SHEET TMP-2B FOR CUT SECTION B-B.  
 2. SEE SHEET TMP-2C FOR CUT SECTION C-C.

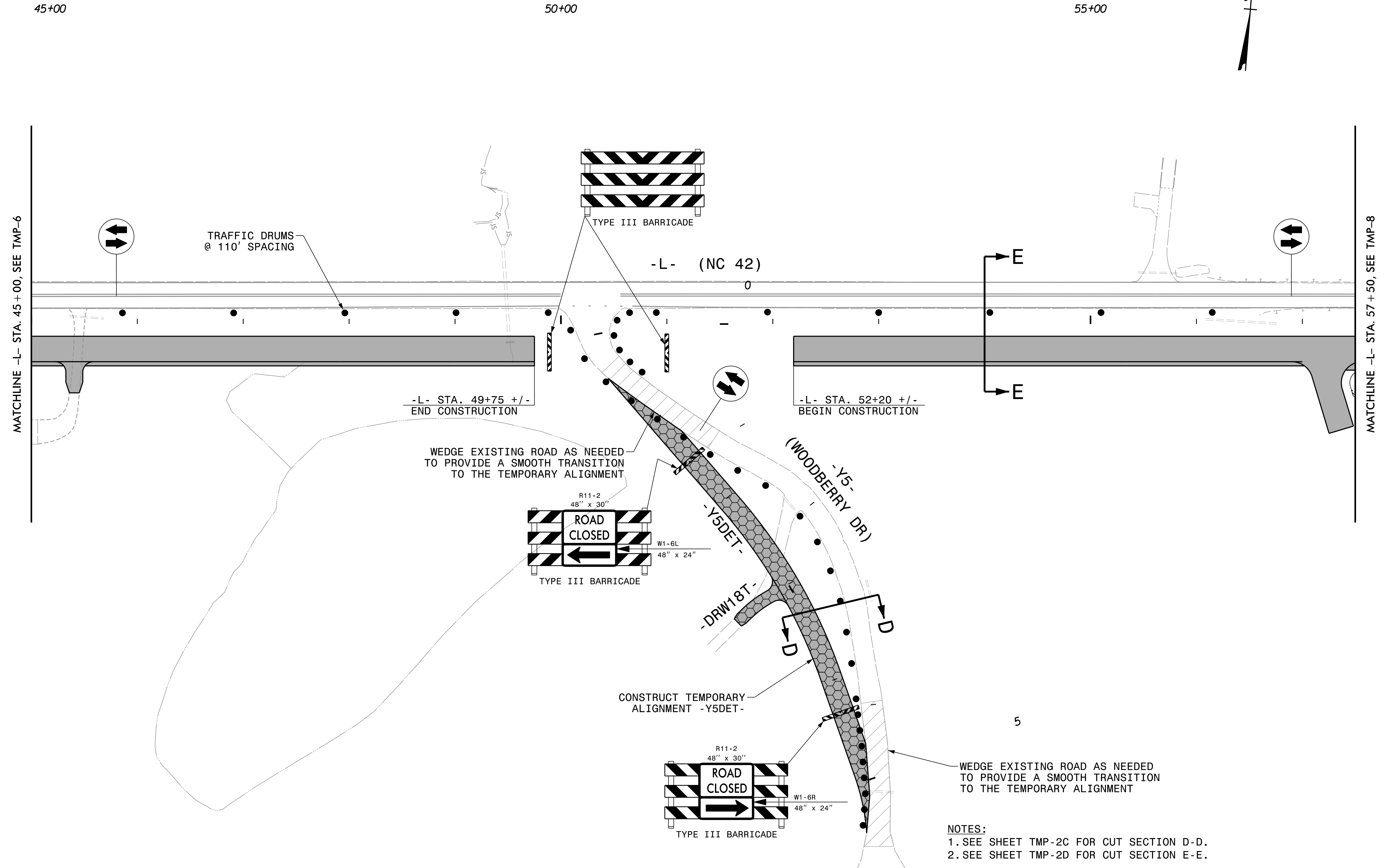
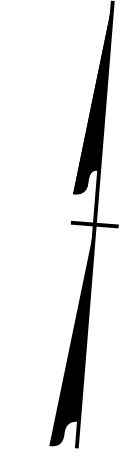
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PHASE 1 - STEP 1

REVISIONS

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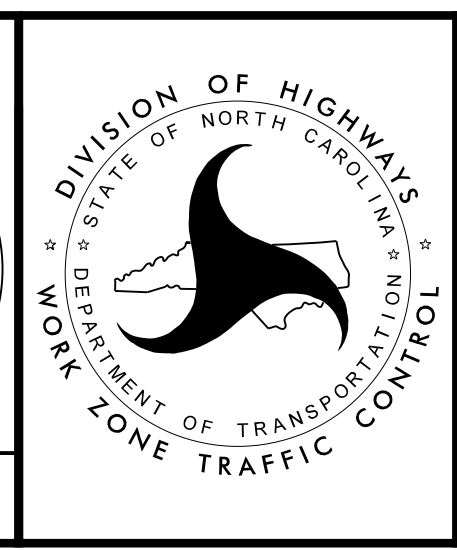


REVISIONS

NOTES:  
 1. SEE SHEET TMP-2C FOR CUT SECTION D-D.  
 2. SEE SHEET TMP-2D FOR CUT SECTION E-E.

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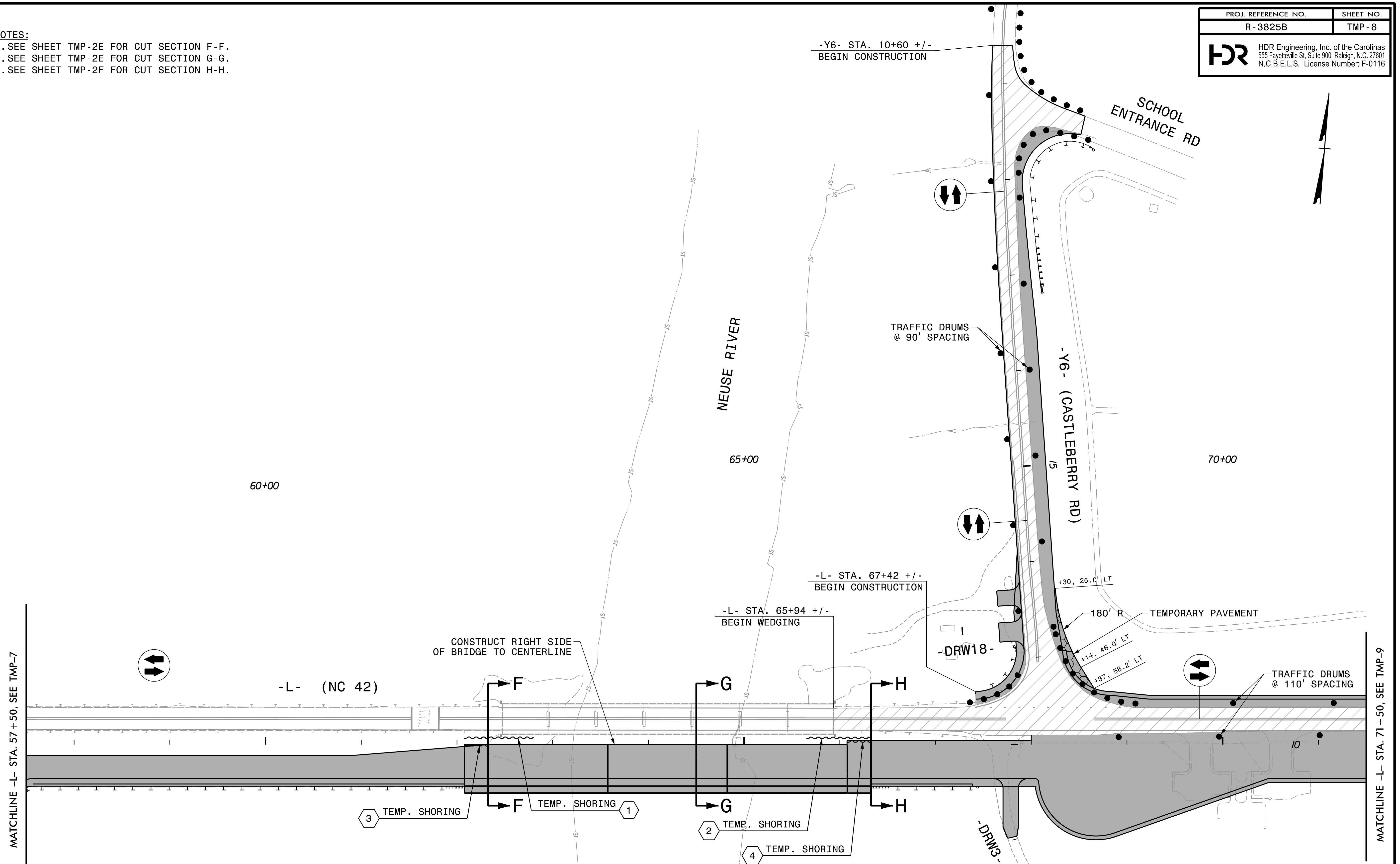
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PHASE 1 - STEP 1

**NOTES:**  
 1. SEE SHEET TMP-2E FOR CUT SECTION F-F.  
 2. SEE SHEET TMP-2E FOR CUT SECTION G-G.  
 3. SEE SHEET TMP-2F FOR CUT SECTION H-H.

REVISIONS



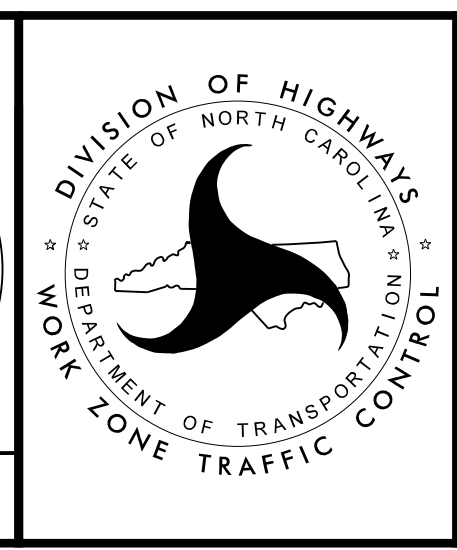
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|                                                                                                                                                                                        |                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>1 TEMPORARY SHORING No. 1<br/>                 QUANTITY = 315 SQ. FT.<br/>                 FROM -L- STA. 62+07 +/-, 7.9' LT<br/>                 TO -L- STA. 62+80 +/-, 7.9' LT</p> | <p>2 TEMPORARY SHORING No. 2<br/>                 QUANTITY = 195 SQ. FT.<br/>                 FROM -L- STA. 65+65 +/-, 7.7' LT<br/>                 TO -L- STA. 66+33 +/-, 7.7' LT</p> |
| <p>3 TEMPORARY SHORING No. 3<br/>                 QUANTITY = 165 SQ. FT.<br/>                 FROM -L- STA. 62+07 +/-, 0.0' LT<br/>                 TO -L- STA. 62+33 +/-, 0.0' LT</p> | <p>4 TEMPORARY SHORING No. 4<br/>                 QUANTITY = 160 SQ. FT.<br/>                 FROM -L- STA. 66+08 +/-, 4.0' LT<br/>                 TO -L- STA. 66+33 +/-, 4.0' LT</p> |

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

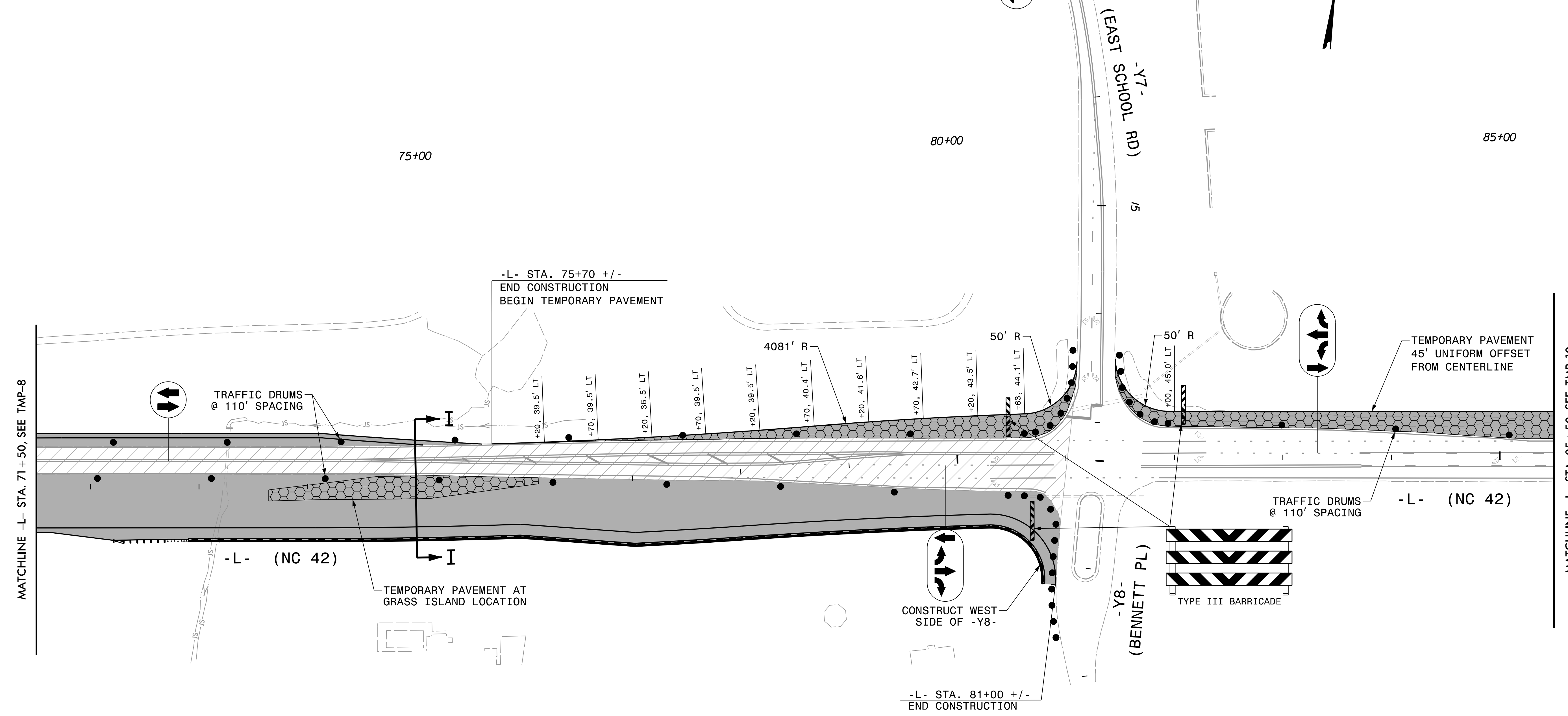
SEAL

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 UNLESS ALL SIGNATURES COMPLETED**



**PHASE 1 - STEP 1**

### EAST CLAYTON ELEMENTARY SCHOOL



MATCHLINE -L- STA. 71+50, SEE TMP-8

MATCHLINE -L- STA. 85+50, SEE TMP-10

-L- STA. 75+70 +/-  
END CONSTRUCTION  
BEGIN TEMPORARY PAVEMENT

-L- STA. 81+00 +/-  
END CONSTRUCTION

TRAFFIC DRUMS  
@ 110' SPACING

TRAFFIC DRUMS  
@ 110' SPACING

TEMPORARY PAVEMENT AT  
GRASS ISLAND LOCATION

TEMPORARY PAVEMENT  
45' UNIFORM OFFSET  
FROM CENTERLINE

TYPE III BARRICADE

CONSTRUCT WEST  
SIDE OF -Y8-

(BENNETT PL)

-L- (NC 42)

-L- (NC 42)

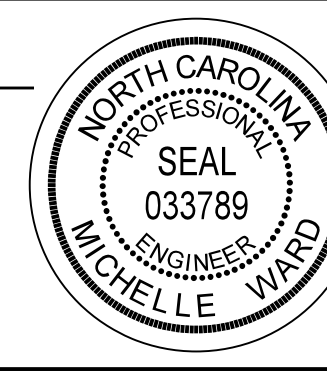
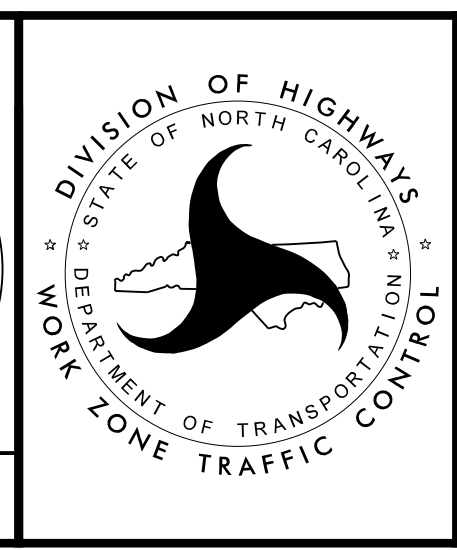
NOTES:  
1. SEE SHEET TMP-2F FOR CUT SECTION I-I.

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:21:55 AM  
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#### REVISIONS

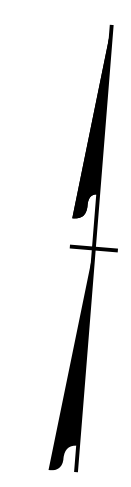
APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL

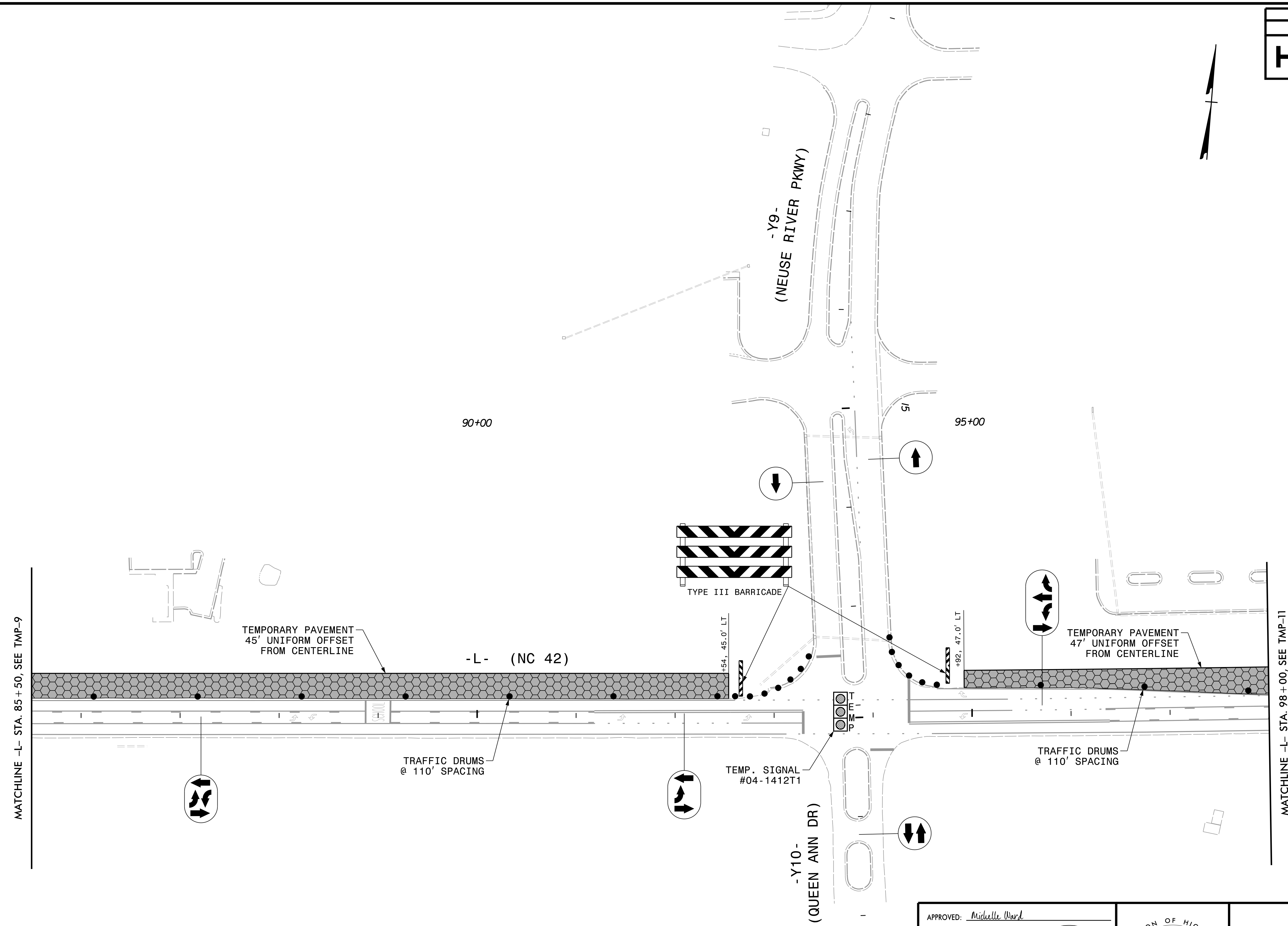
PHASE 1 - STEP 1

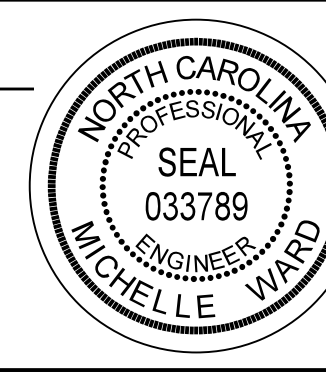
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

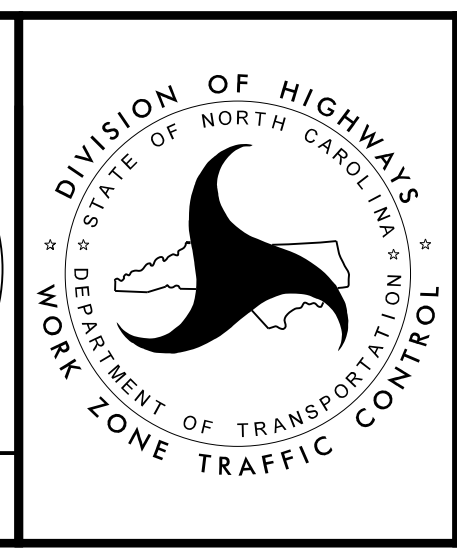


PLOT DRIVER: NCDOT\_pdr\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:22:07 AM  
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REVISIONS

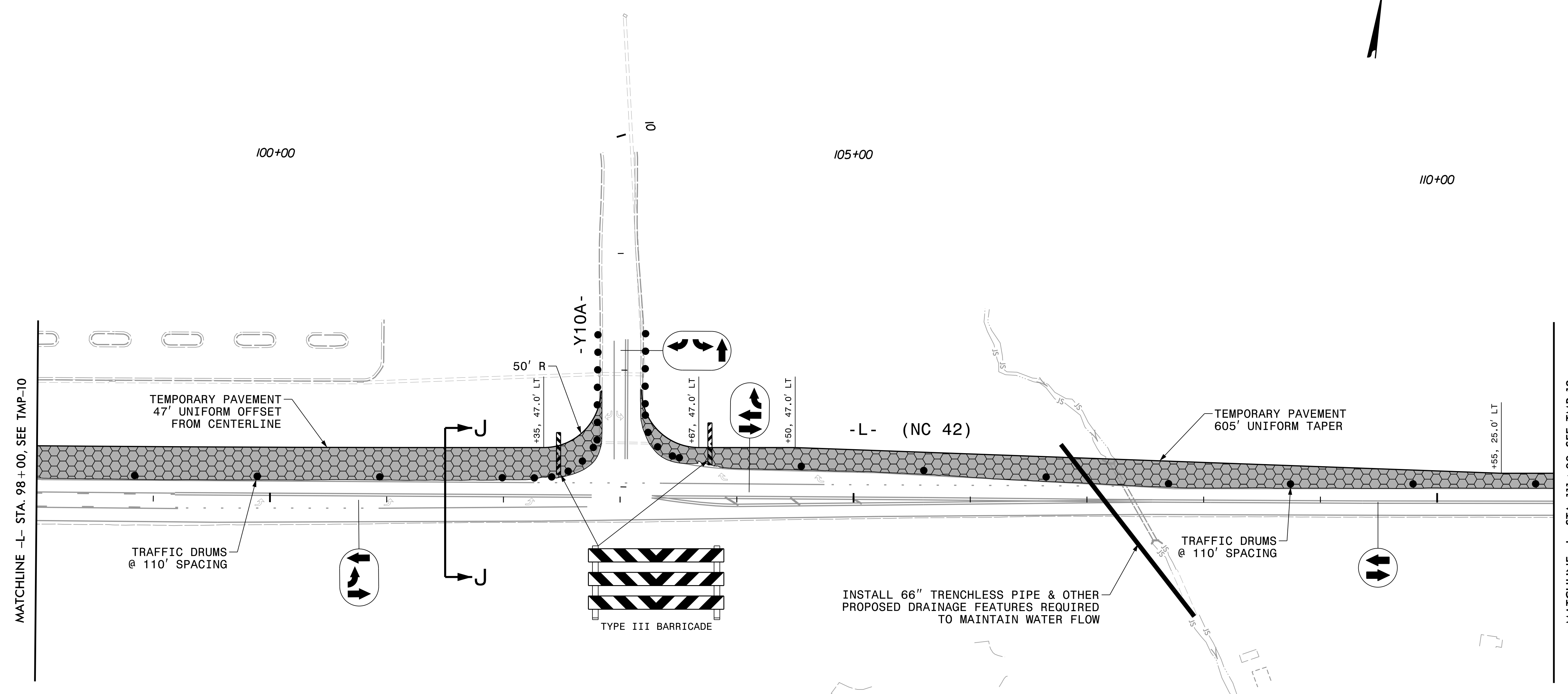
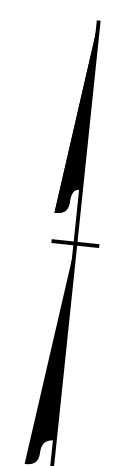


APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
 SEAL  




PHASE 1 - STEP 1

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MATCHLINE -L- STA. 98+00, SEE TMP-10

MATCHLINE -L- STA. 111+00, SEE TMP-12

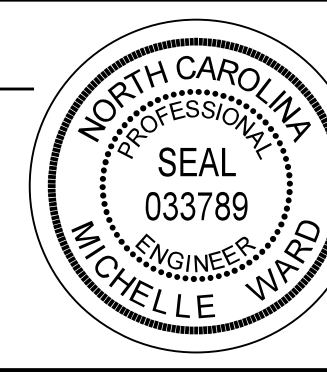
REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:22:18 AM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-11.dgn

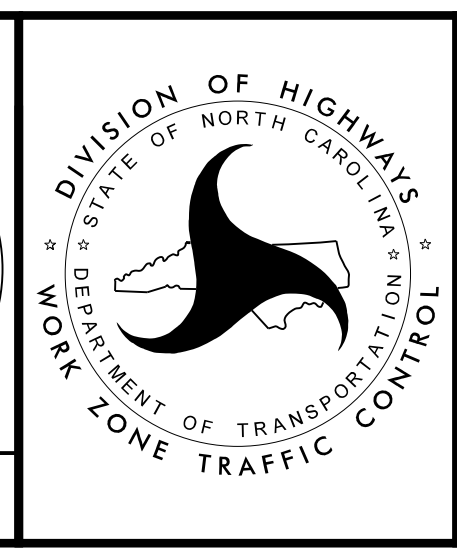
NOTES:  
 1. SEE SHEET TMP-2G FOR CUT SECTION J-J.

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

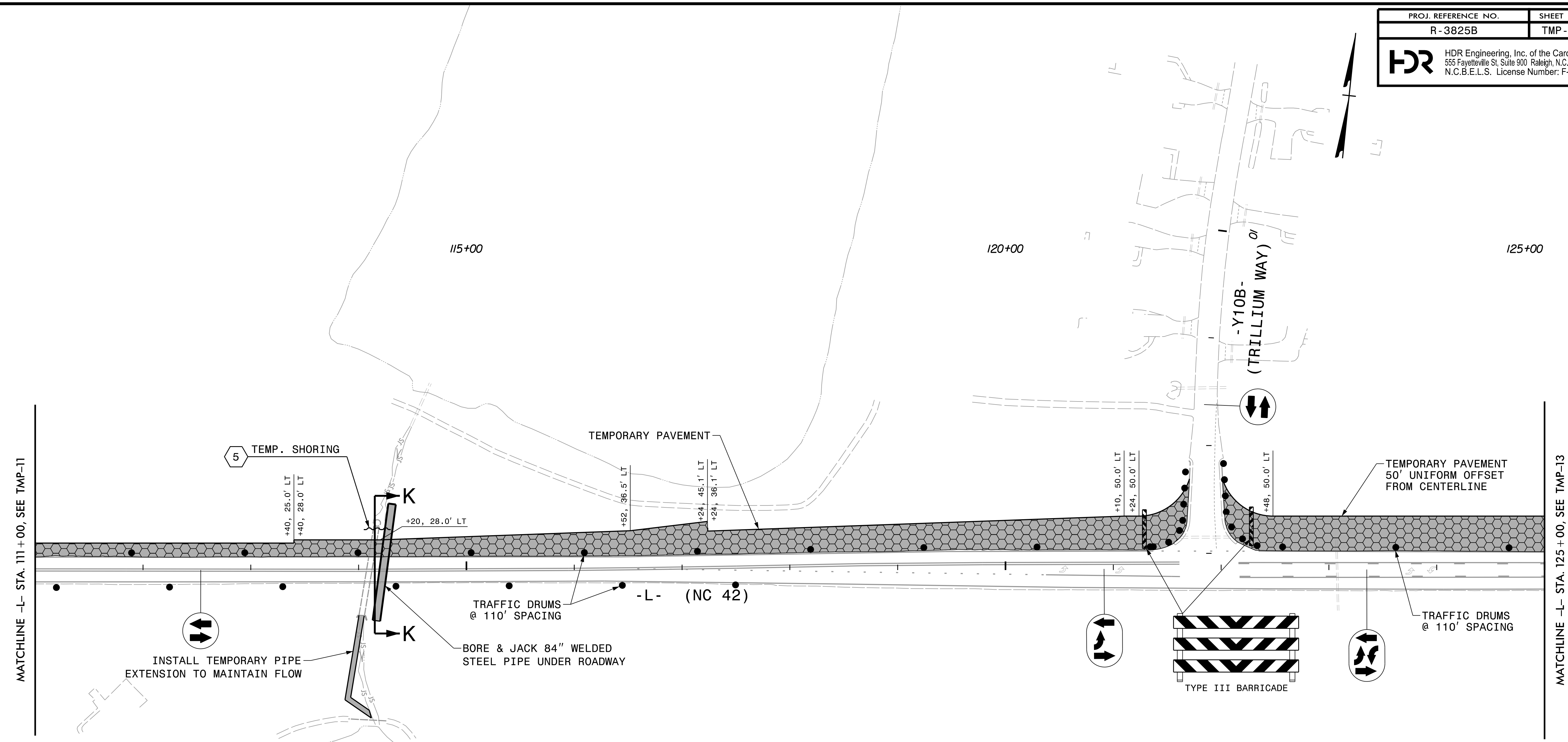
SEAL



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PHASE 1 - STEP 1



MATCHLINE -L- STA. 111 + 00, SEE TMP-11

MATCHLINE -L- STA. 125 + 00, SEE TMP-13

REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 3:33:59 PM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-12.dgn

INSTALL TEMPORARY PIPE EXTENSION TO MAINTAIN FLOW

TRAFFIC DRUMS @ 110' SPACING

BORE & JACK 84" WELDED STEEL PIPE UNDER ROADWAY

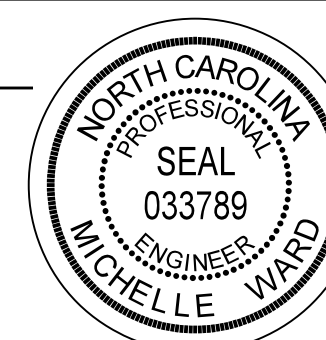
TEMPORARY PAVEMENT 50' UNIFORM OFFSET FROM CENTERLINE

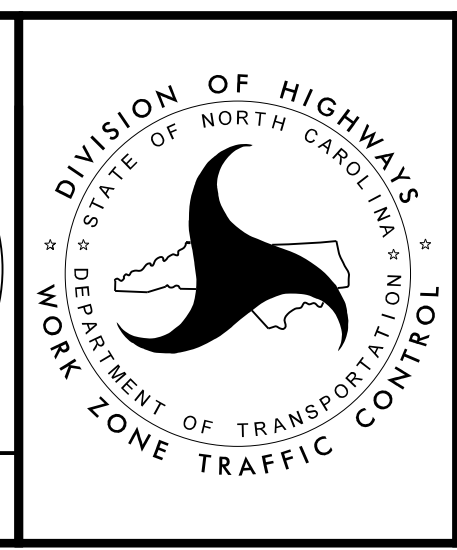
TRAFFIC DRUMS @ 110' SPACING

TYPE III BARRICADE

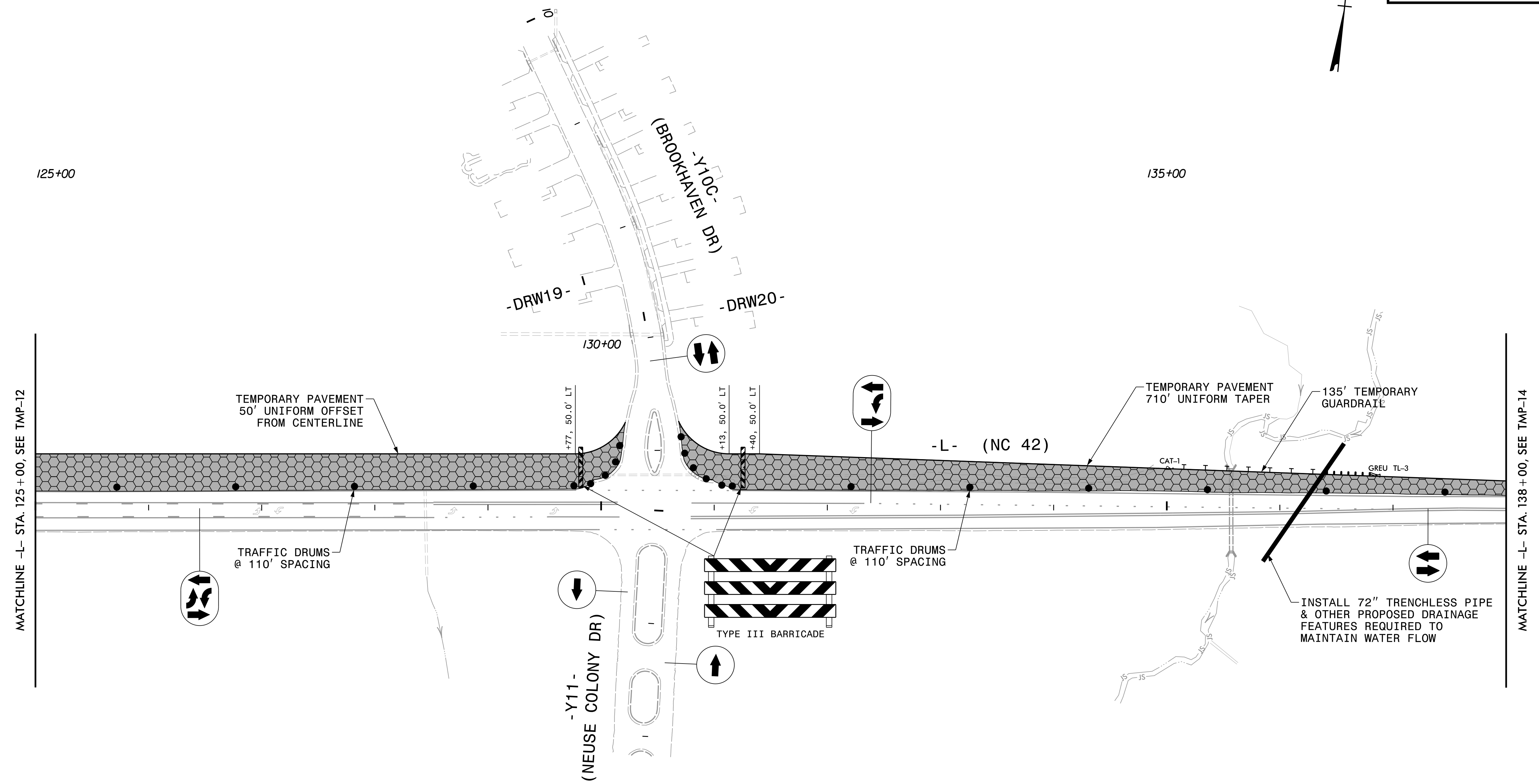
NOTES:  
 1. SEE SHEET TMP-2H FOR CUT SECTION K-K.

5 TEMPORARY SHORING No. 5  
 QUANTITY = 75 SQ. FT.  
 FROM -L- STA. 114+05 +/-, 39.0' LT  
 TO -L- STA. 114+30 +/-, 39.0' LT

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 DATE: 6/6/2018  
 SEAL  
  
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PHASE 1 - STEP 1



MATCHLINE -L- STA. 125+00, SEE TMP-12

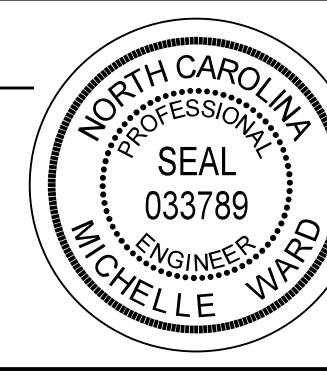
MATCHLINE -L- STA. 138+00, SEE TMP-14

REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:22:40 AM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_Tc\_TMP-13.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL




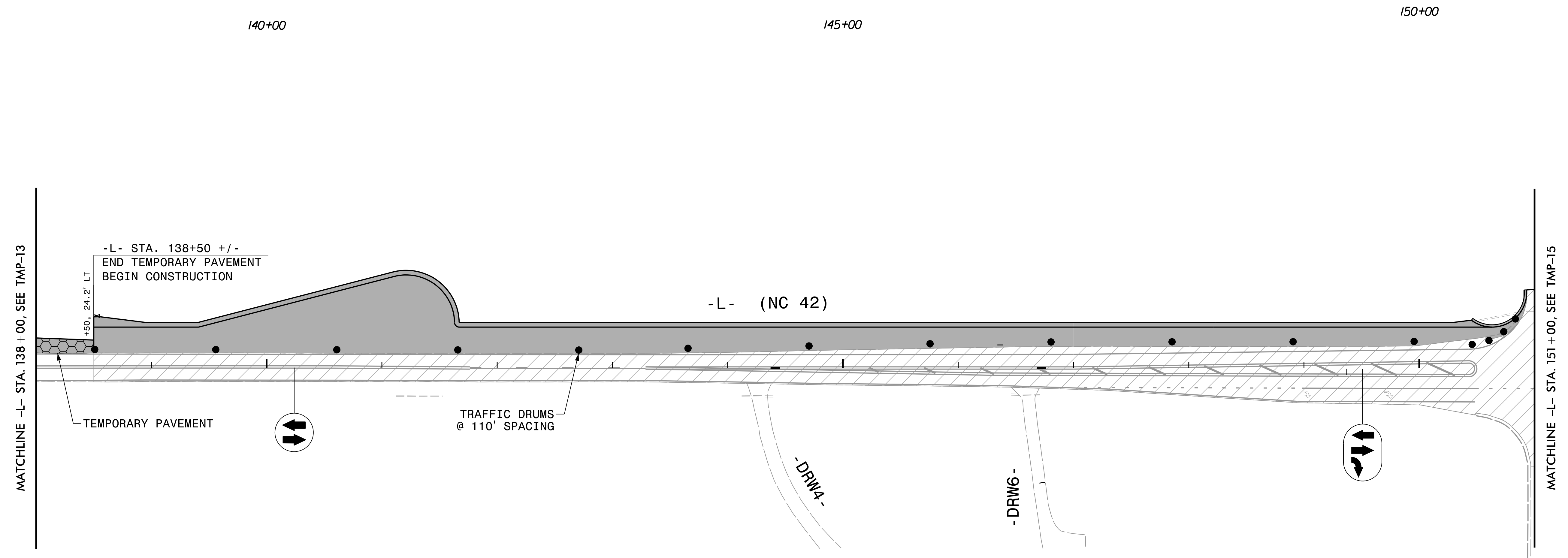
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



PHASE 1 - STEP 1



|                                                                                                                                                                                                                         |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| PROJ. REFERENCE NO.                                                                                                                                                                                                     | SHEET NO. |
| R-3825B                                                                                                                                                                                                                 | TMP-14    |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |           |



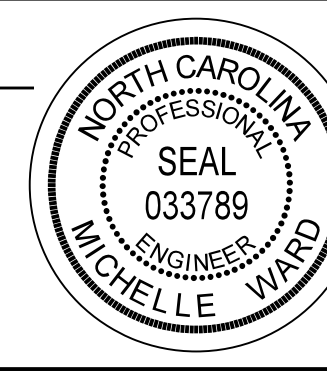
REVISIONS

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 DATE: 6/5/2018  
 TIME: 11:22:52 AM  
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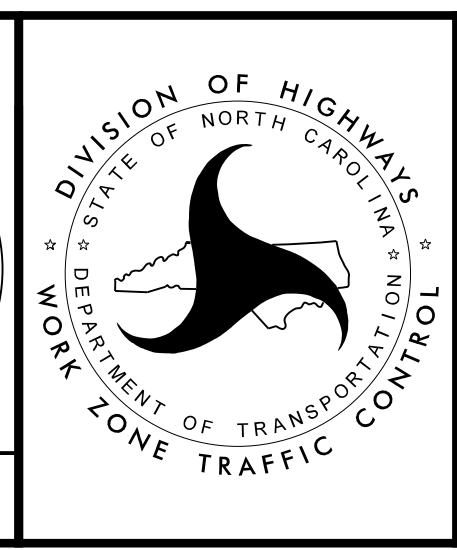
APPROVED: *Michelle Ward*

DATE: 6/6/2018

SEAL

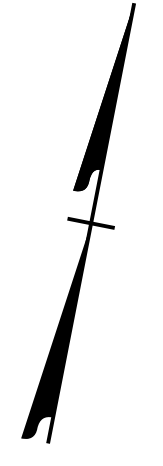


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**

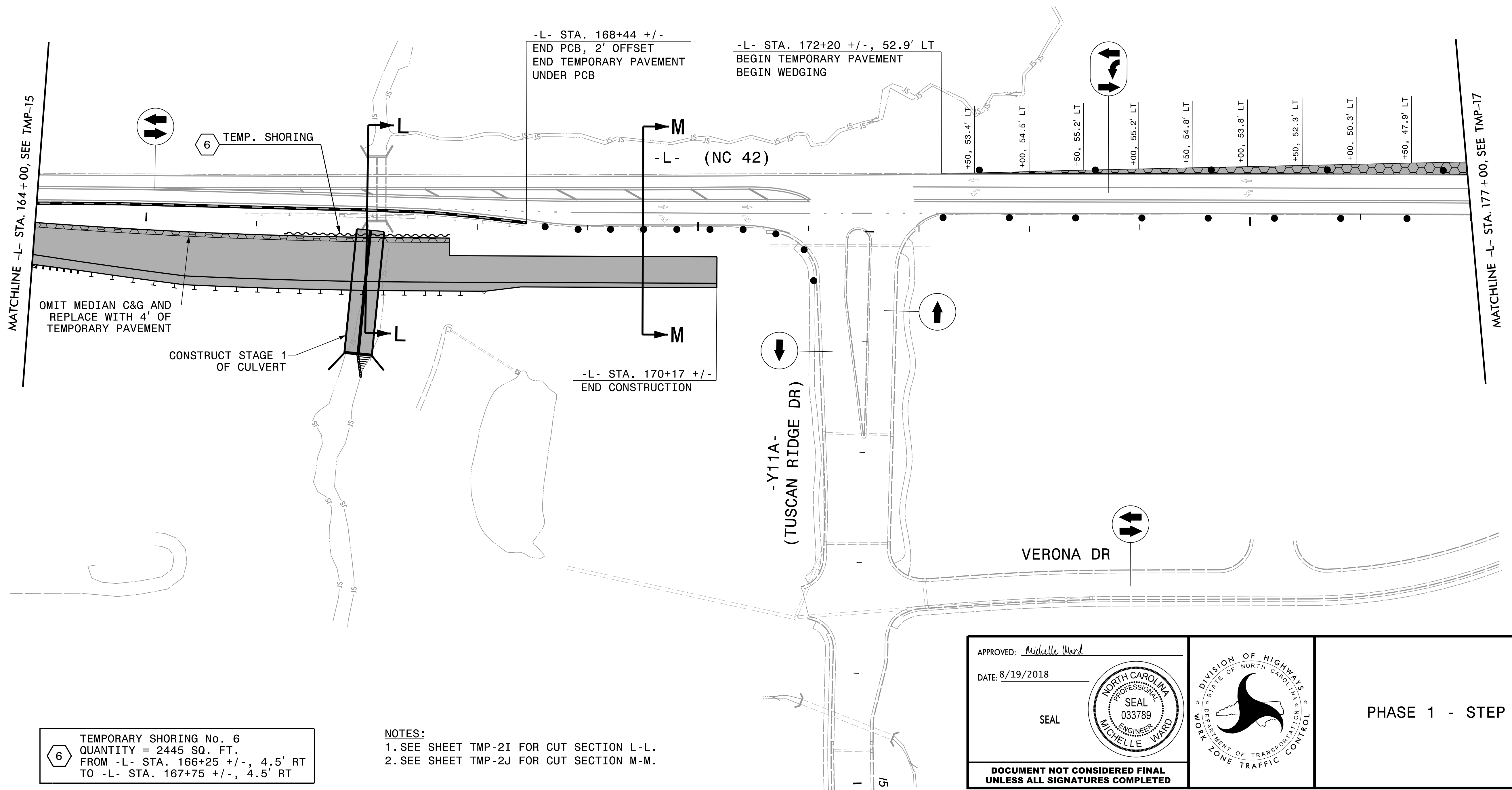


PHASE 1 - STEP 1





165+00 170+00 175+00

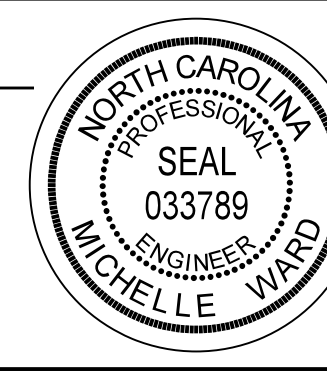


REVISIONS

6 TEMPORARY SHORING No. 6  
 QUANTITY = 2445 SQ. FT.  
 FROM -L- STA. 166+25 +/-, 4.5' RT  
 TO -L- STA. 167+75 +/-, 4.5' RT

NOTES:  
 1. SEE SHEET TMP-2I FOR CUT SECTION L-L.  
 2. SEE SHEET TMP-2J FOR CUT SECTION M-M.

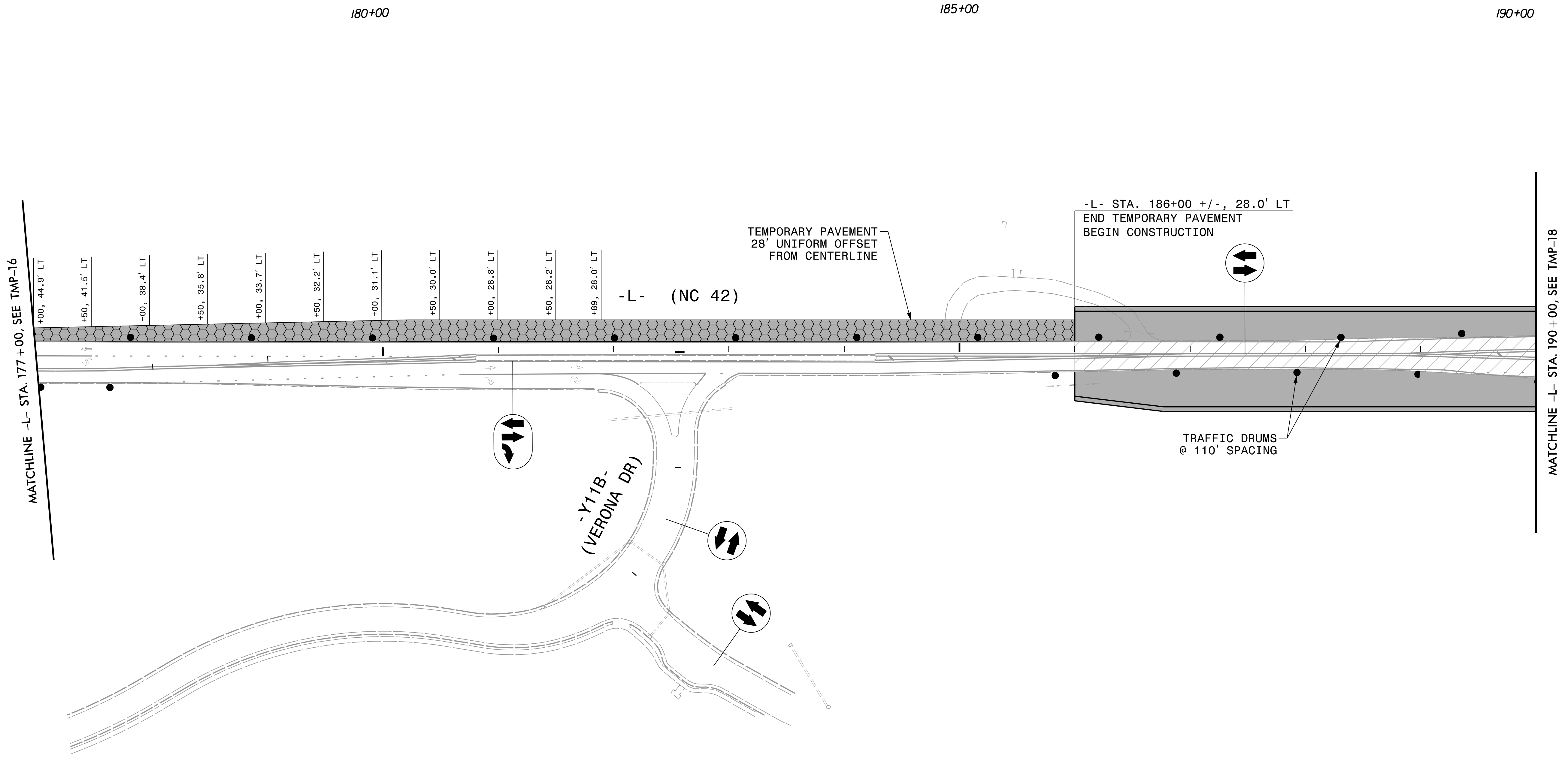
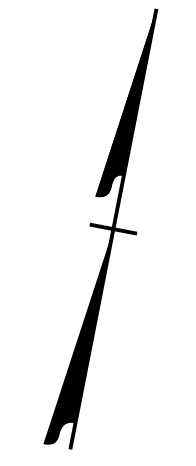
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 USER: BSCOTT  
 DATE: 8/19/2018  
 TIME: 6:39:09 PM  
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APPROVED: *Michelle Ward*  
 DATE: 8/19/2018  
 SEAL  




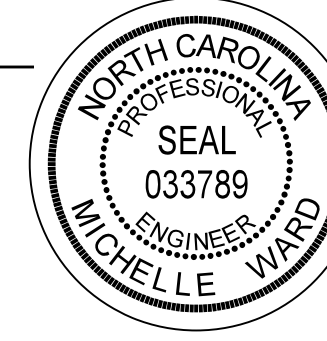
PHASE 1 - STEP 1

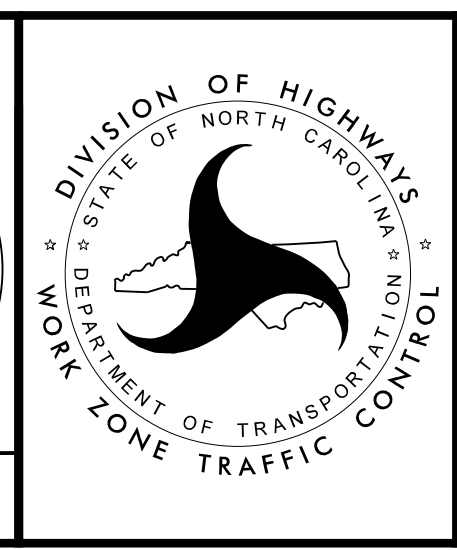
DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED




REVISIONS

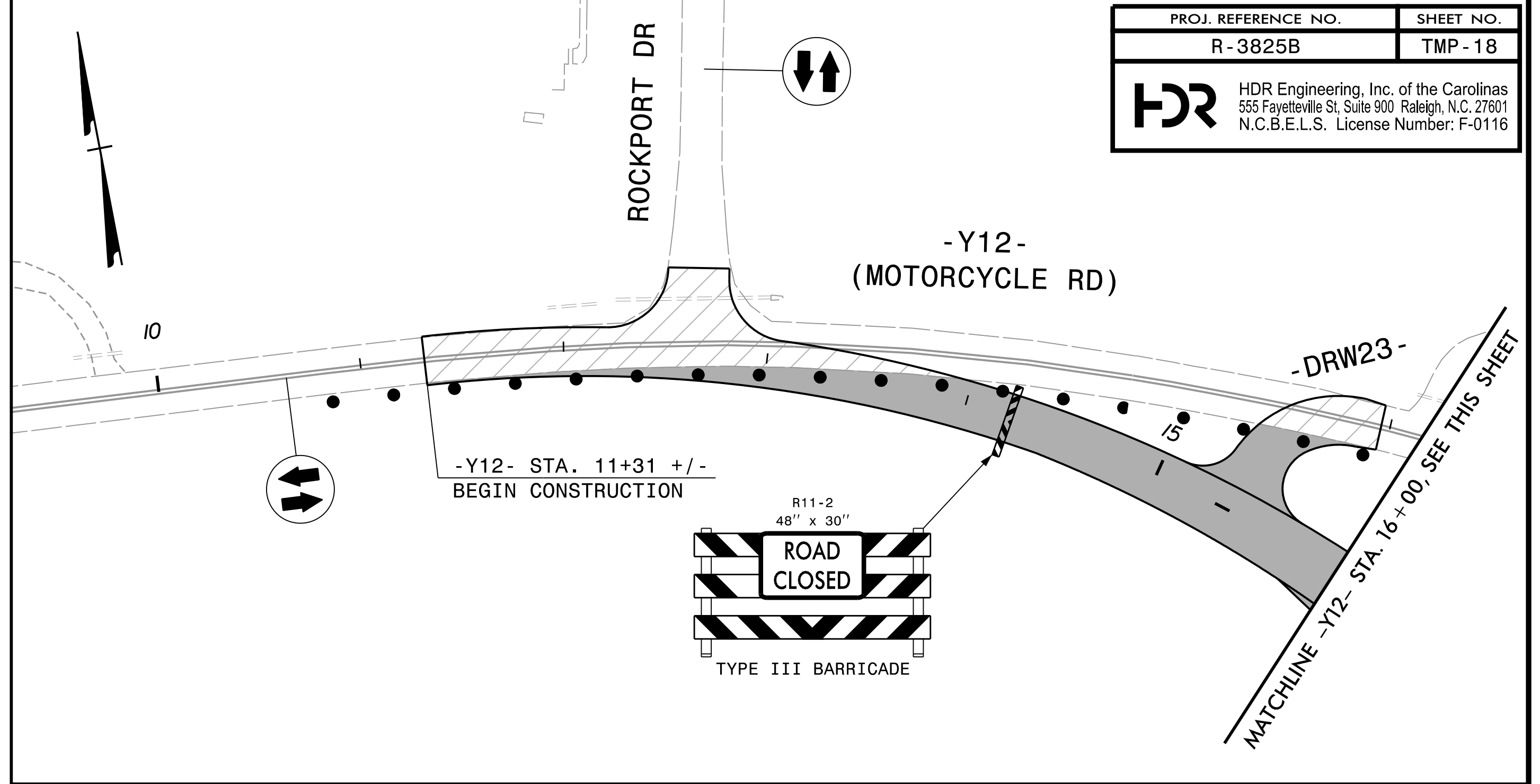
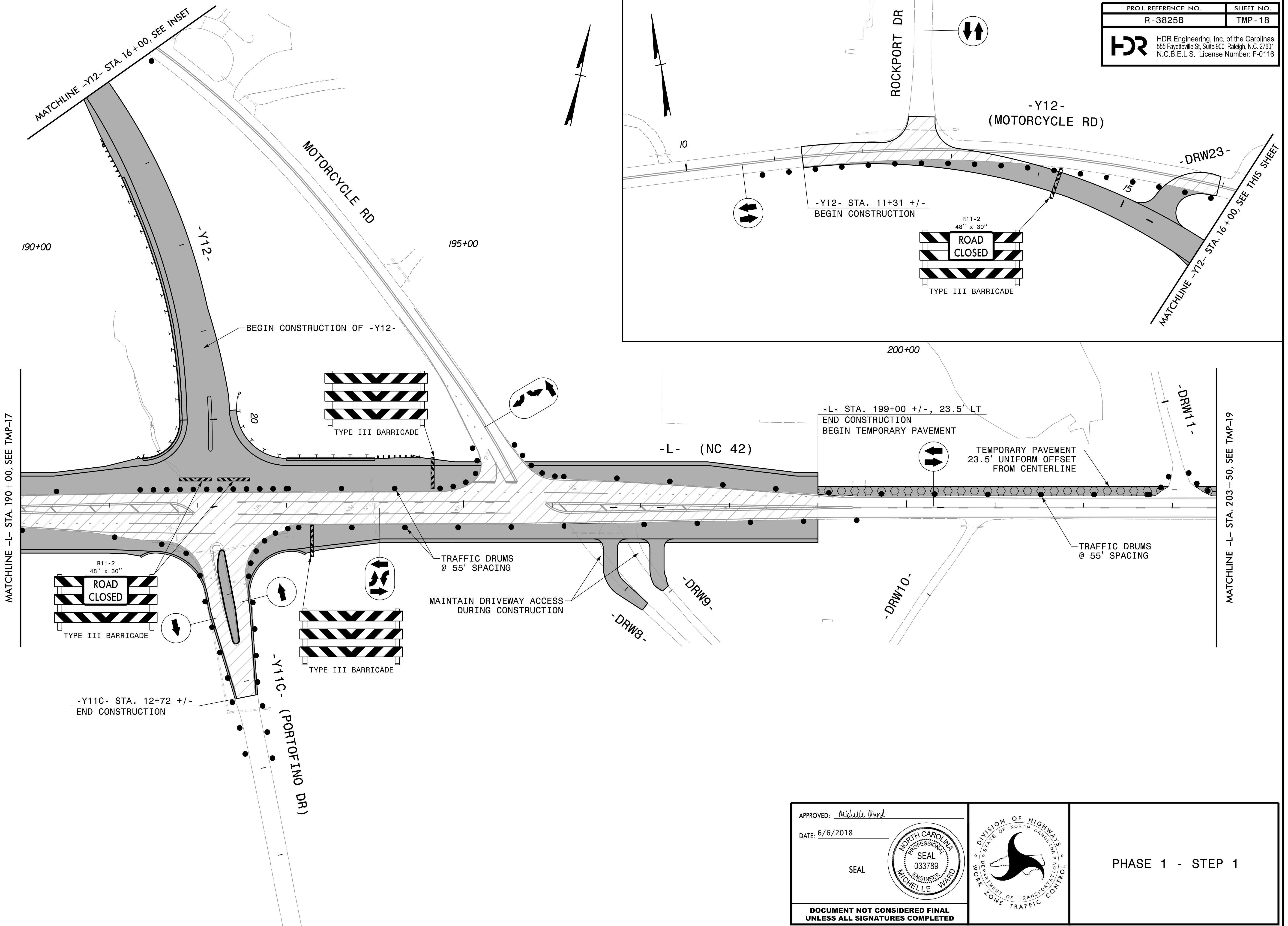
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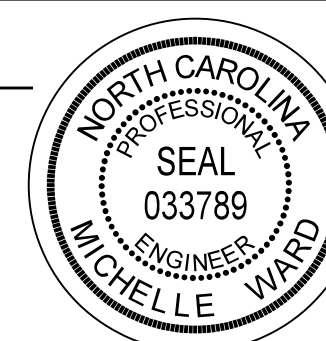
APPROVED: *Michelle Ward*  
 DATE: 8/19/2018  
 SEAL  
  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

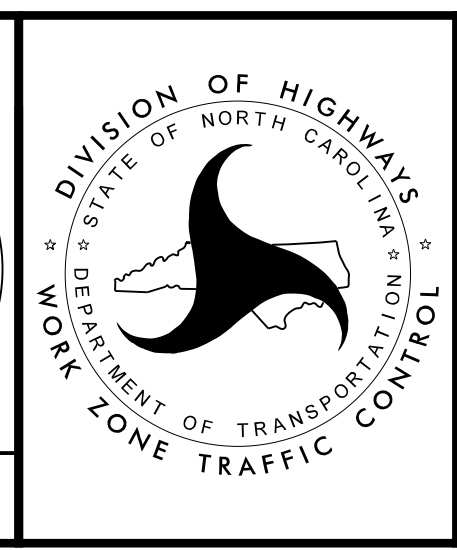


PHASE 1 - STEP 1

|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-18 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |



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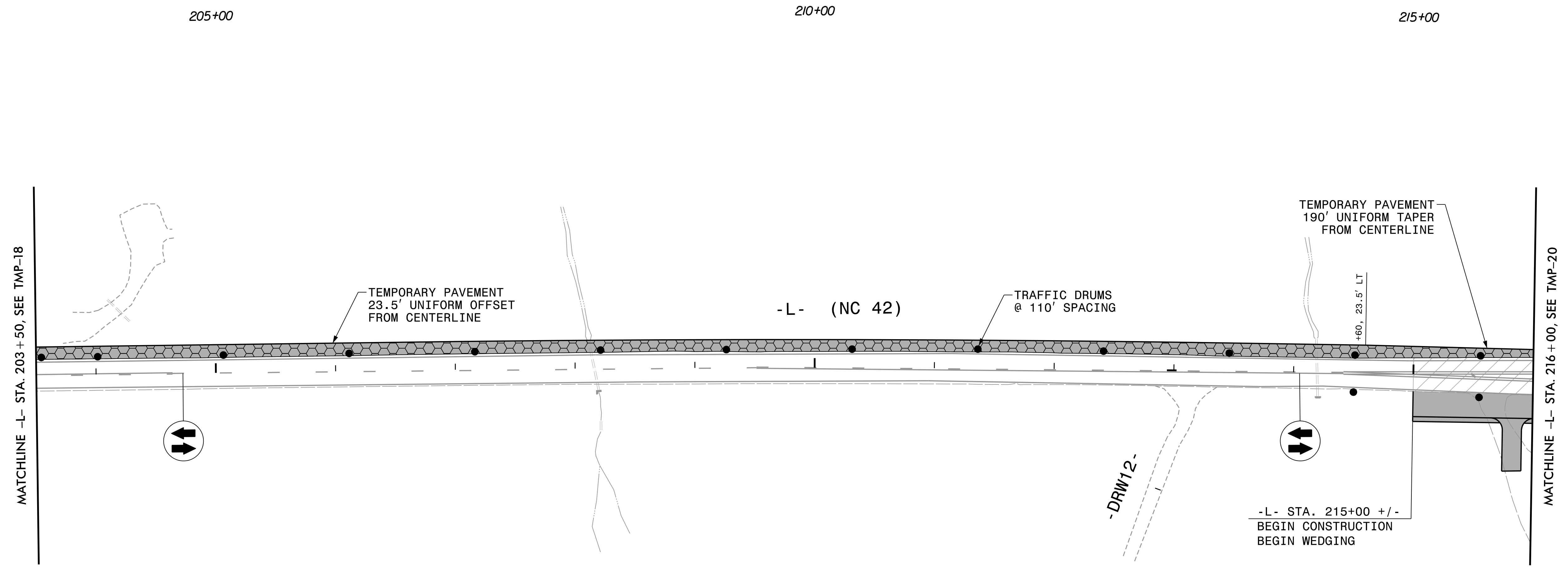
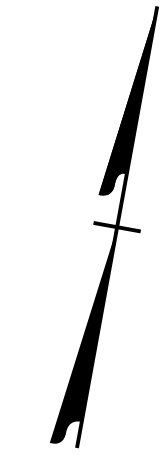
PHASE 1 - STEP 1

REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
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DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED

|                                                                                                                                                                                                                          |                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                           | SHEET NO.<br>TMP-19 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St., Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |

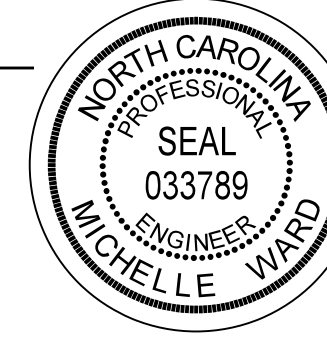


REVISIONS

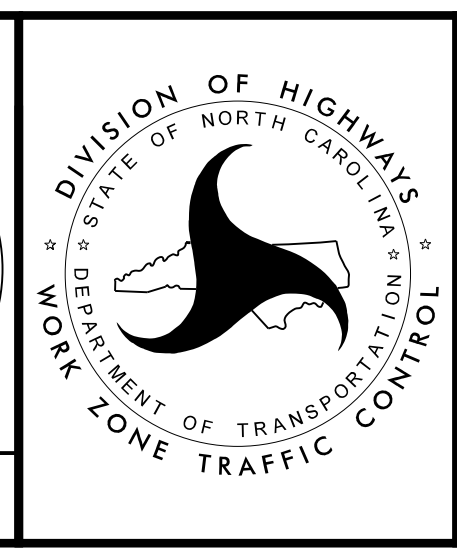
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

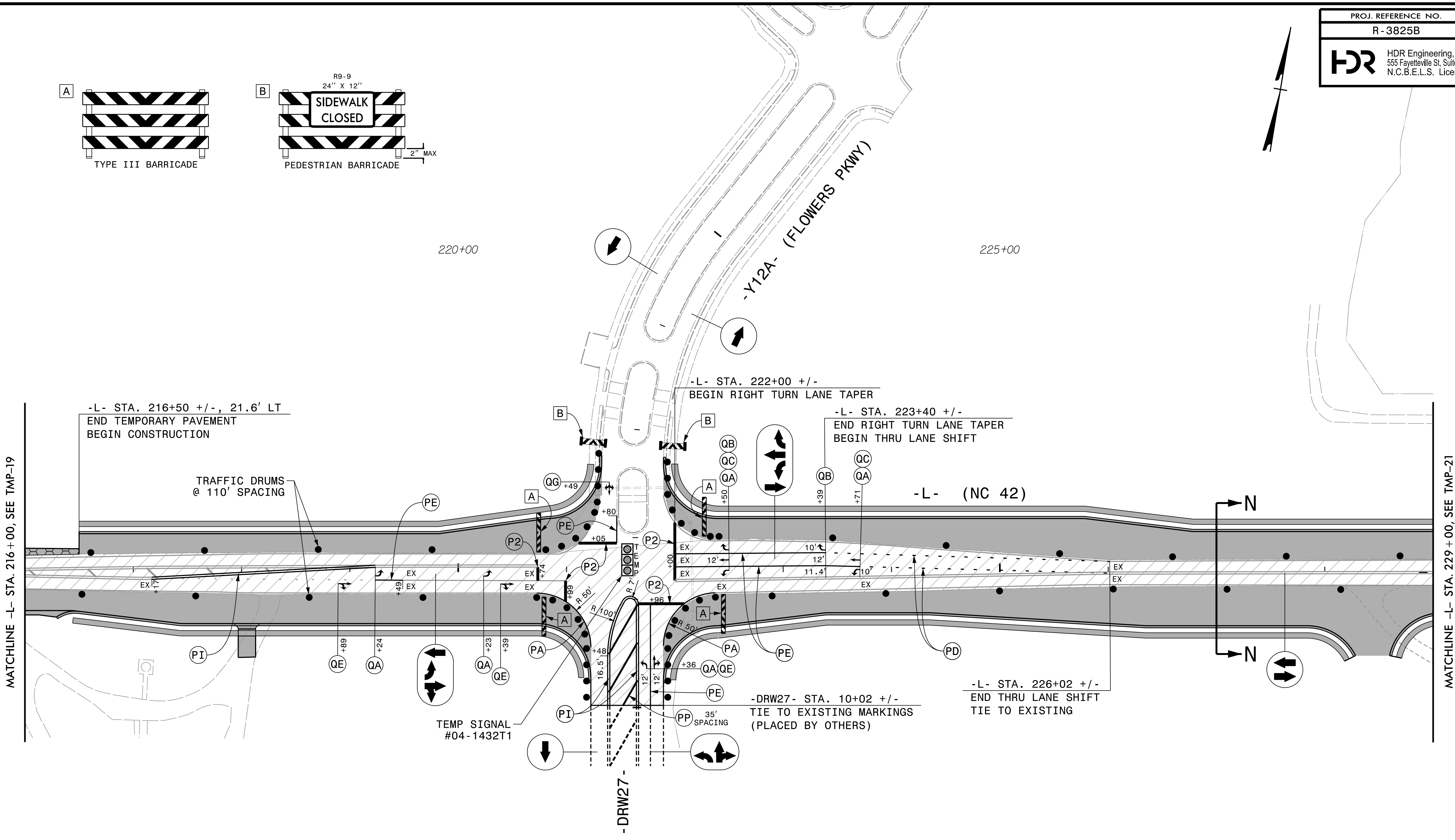
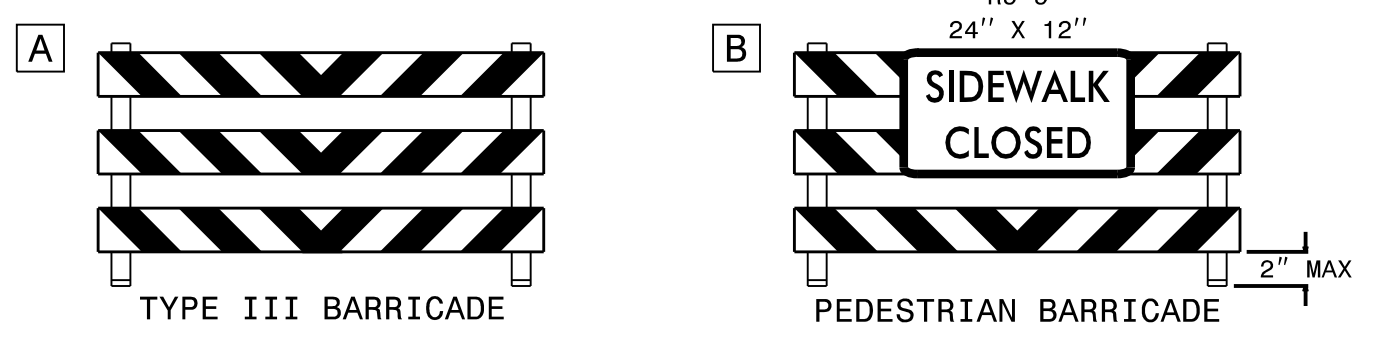
SEAL



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PHASE 1 - STEP 1



REVISIONS  
 04/01/2020: REVISED -Y12A- (FLOWERS PKWY) / -DRW27- / -L- (NC 42) INTERSECTION TO PROVIDE MARKING AND TEMPORARY SIGNAL FOR OPENING OF -DRW27-. ADDED PEDESTRIAN BARRICADES ON -Y12A-.

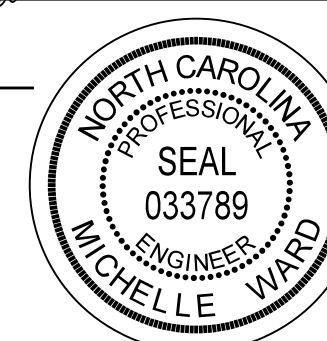
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 DATE: 4/1/2020  
 TIME: 1:31:04 PM  
 FILE: C:\Users\charnden\Desktop\Working Folder\R-3825B\R3825B\_TC\_TMP-20.dgn

NOTES:  
1. SEE SHEET TMP-2J FOR CUT SECTION N-N.

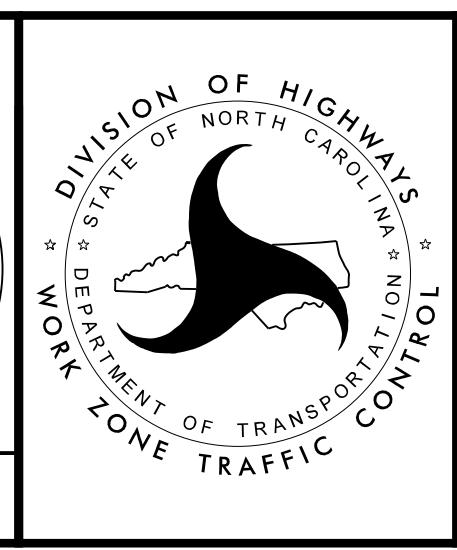
APPROVED: *Michelle Ward*

DATE: 4/1/2020

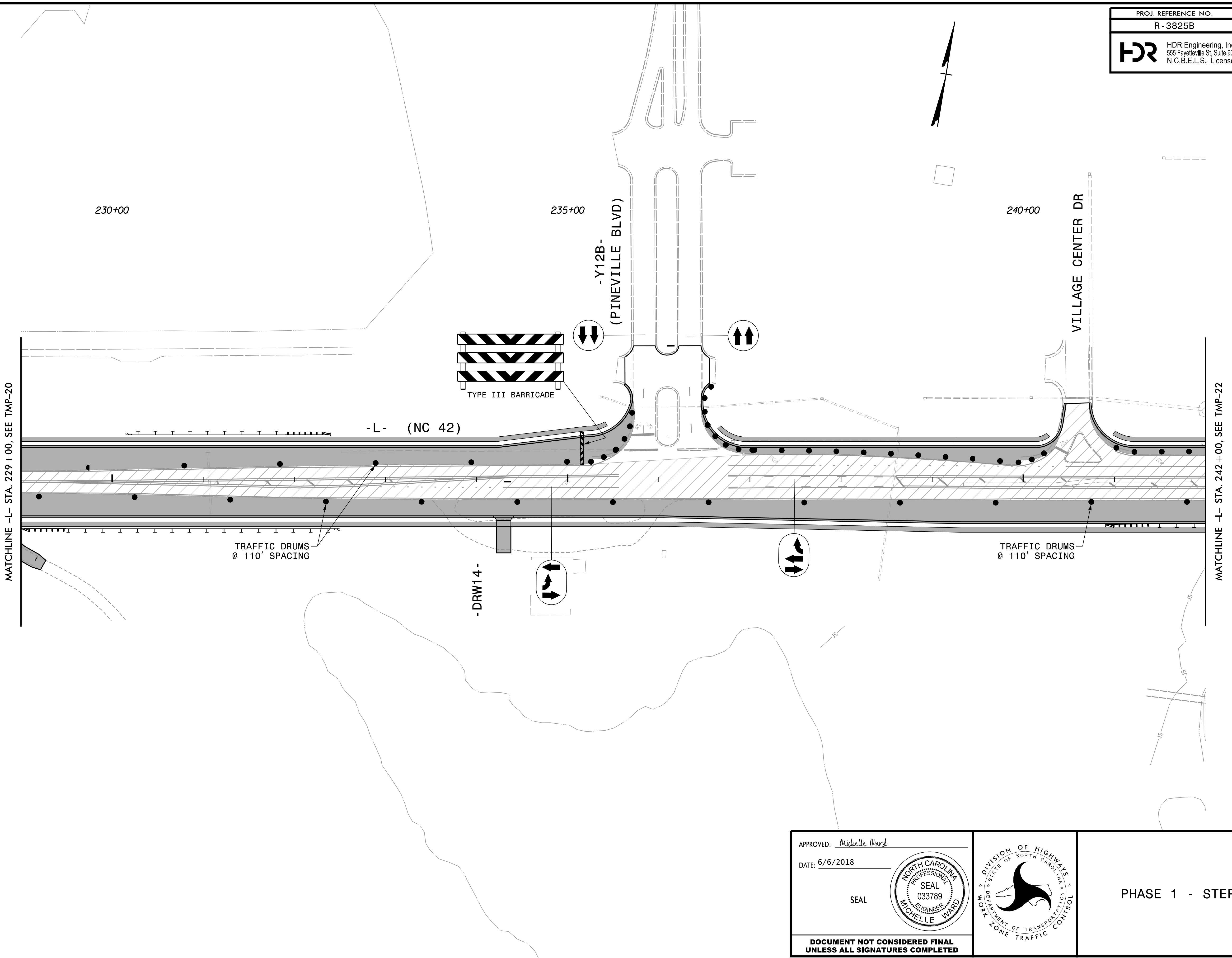
SEAL



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PHASE 1 - STEP 1



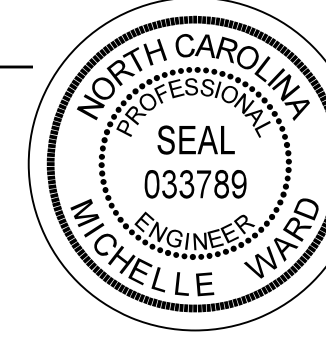
REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
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 TIME: 11:24:07 AM  
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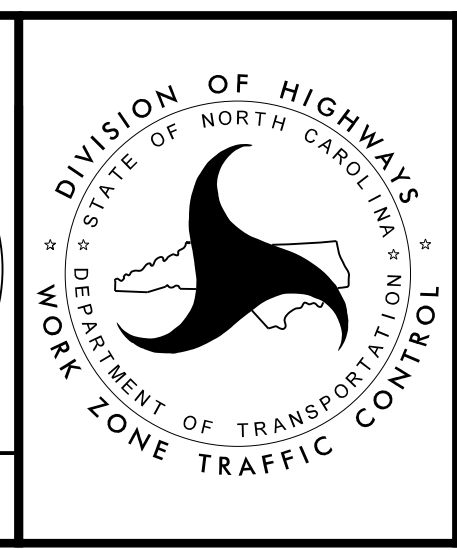
APPROVED: *Michelle Ward*

DATE: 6/6/2018

SEAL



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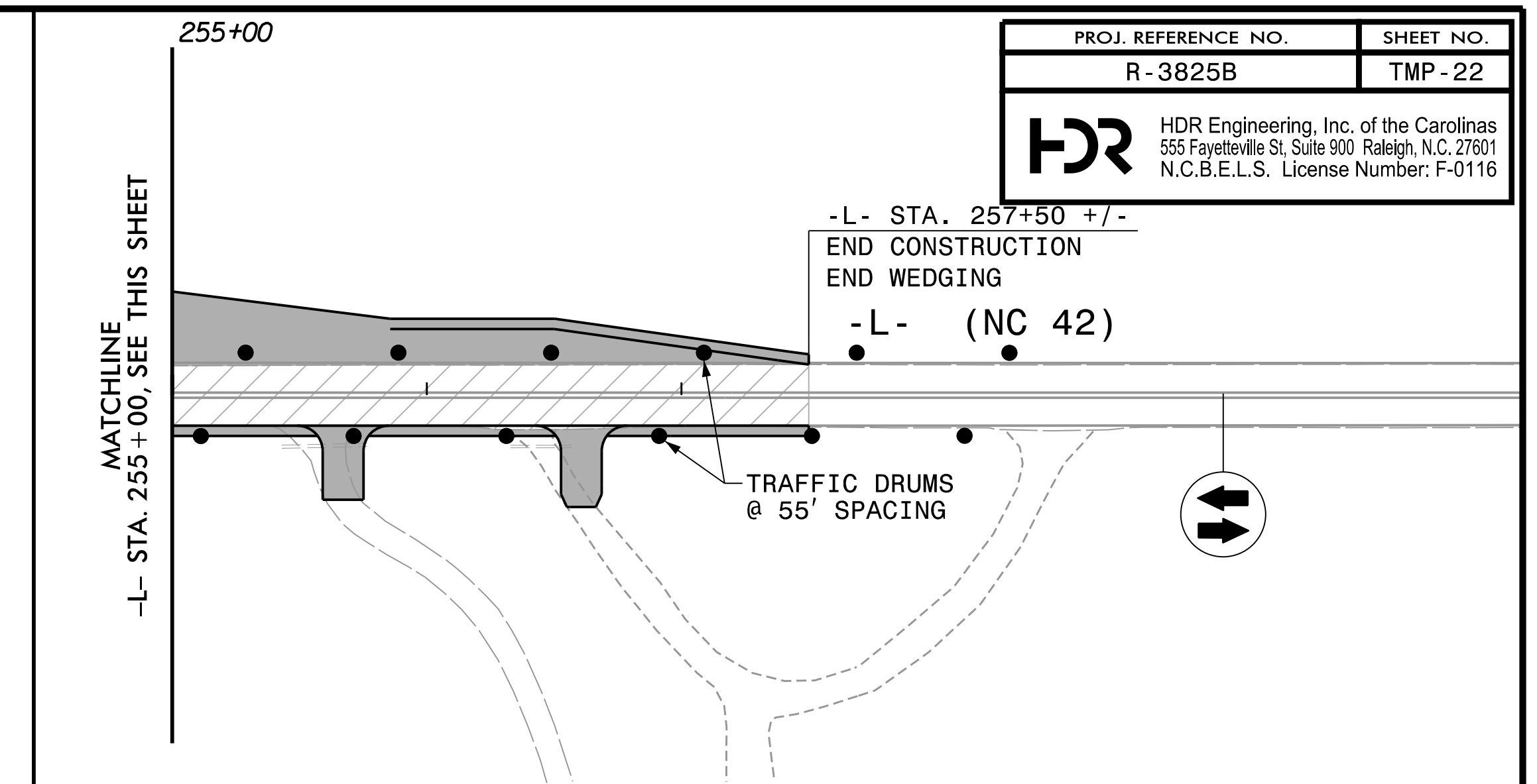
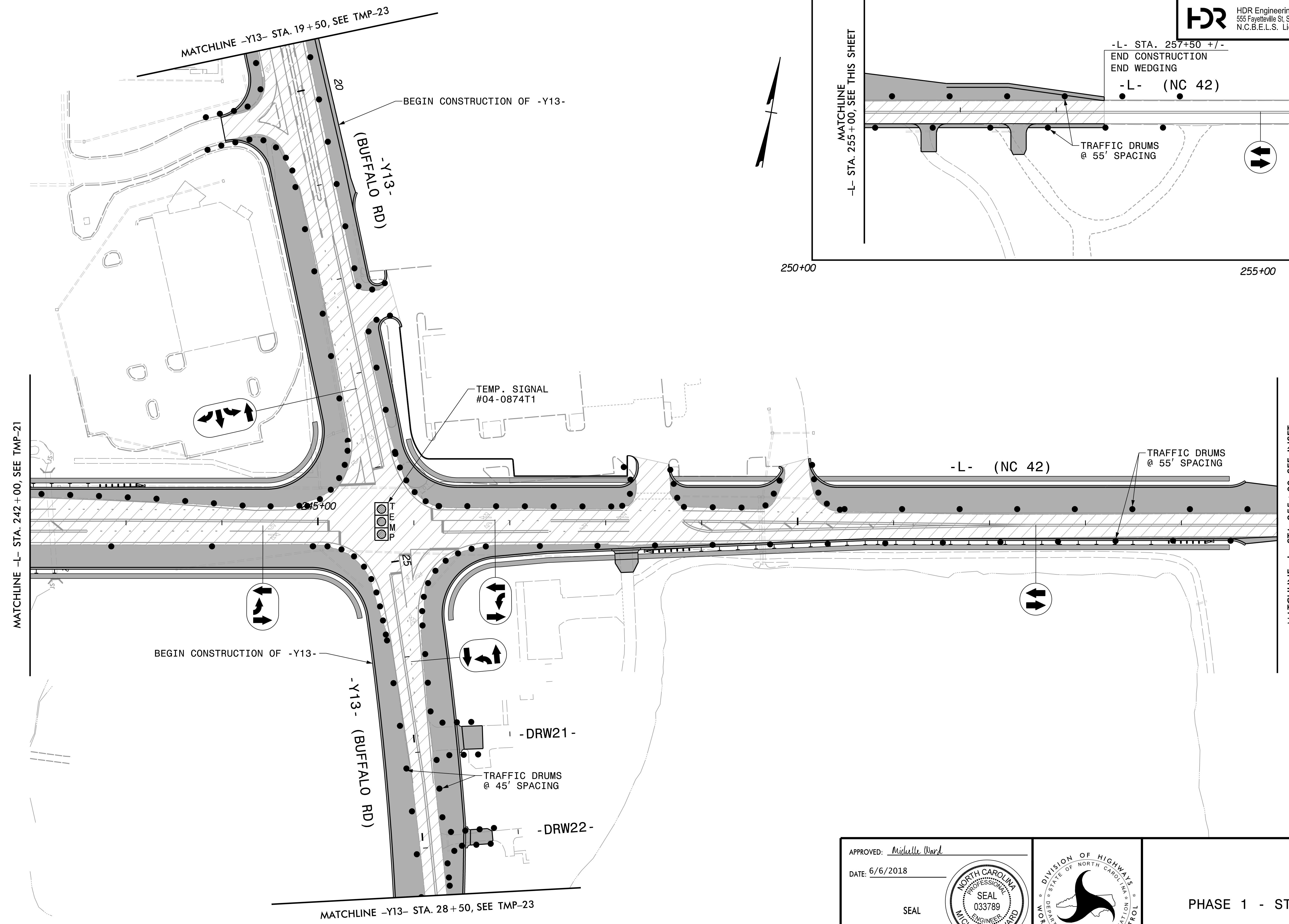



PHASE 1 - STEP 1

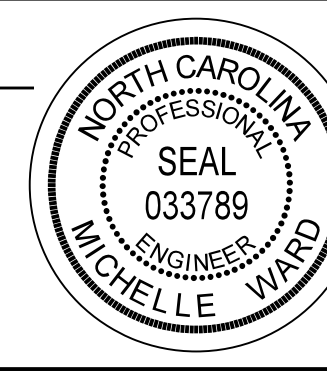


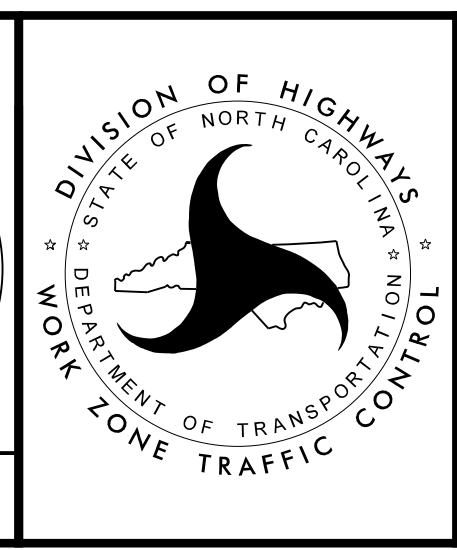
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
USER: BSCOTT  
PENTABLE: NCDOT\_tcp.tbl  
DATE: 6/5/2018  
TIME: 11:24:18 AM  
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REVISIONS



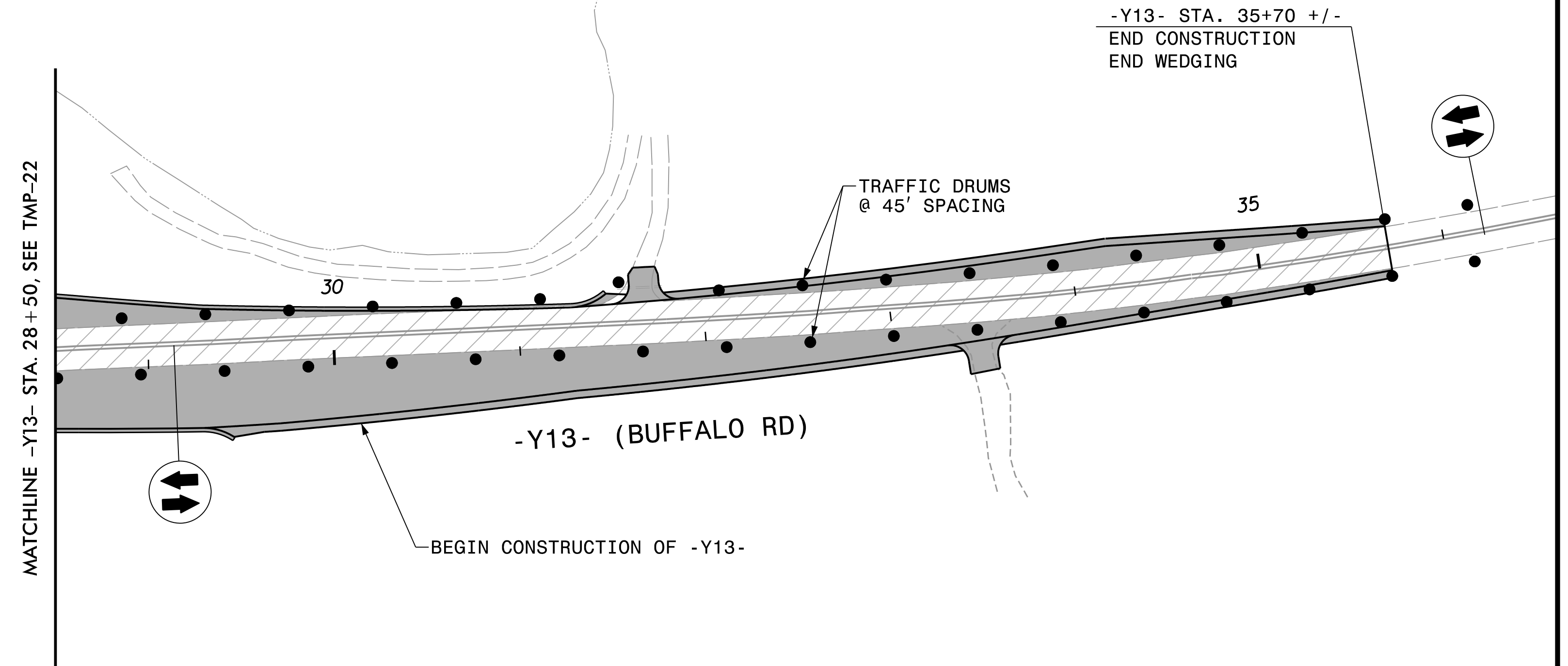
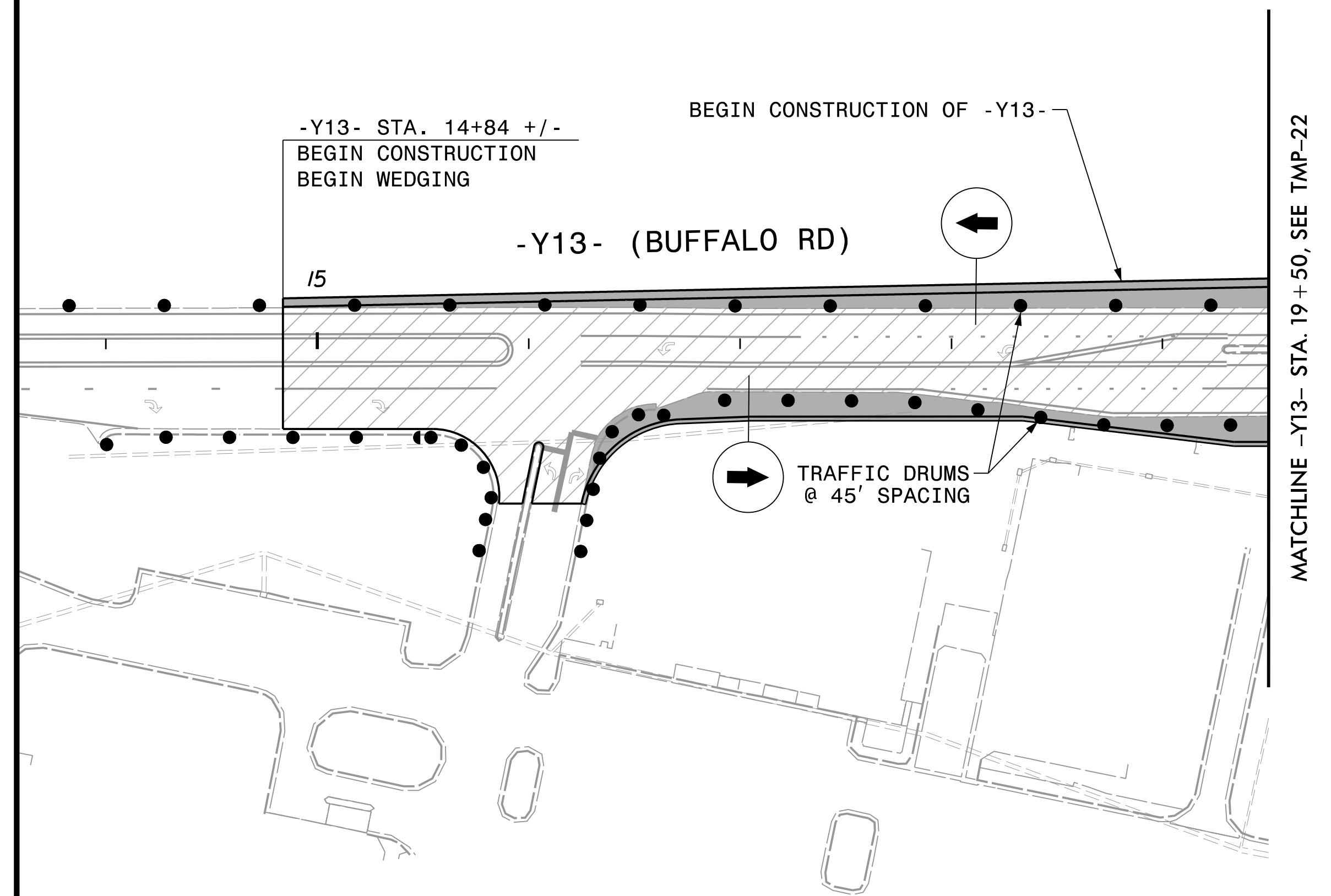
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| PROJ. REFERENCE NO.                                                                                                                                                                                                     | SHEET NO. |
| R-3825B                                                                                                                                                                                                                 | TMP-22    |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |           |

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PHASE 1 - STEP 1

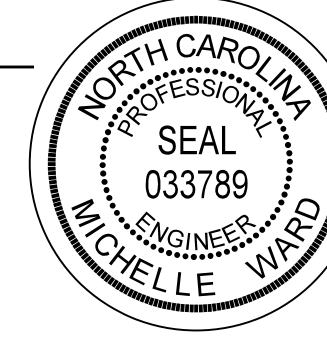
REVISIONS



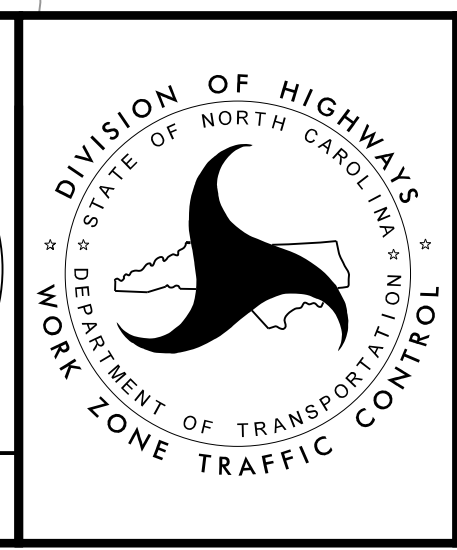
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 USER: BSCOTT  
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 TIME: 11:24:29 AM  
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

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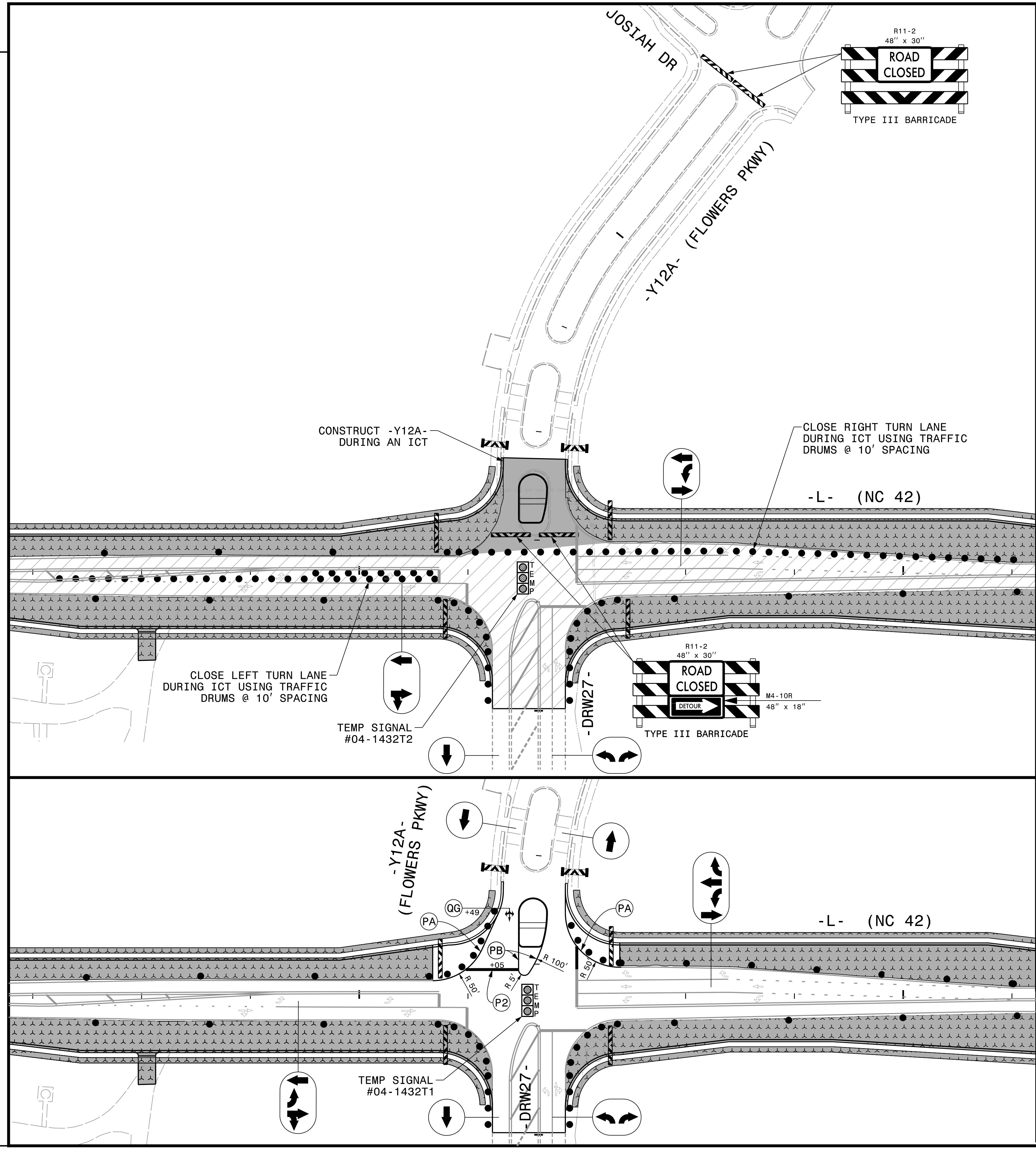


PHASE 1 - STEP 1



PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: CHARNDEN  
 DATE: 4/1/2020  
 TIME: 1:31:09 PM  
 FILE: C:\Users\charnden\Desktop\Working Folder\AR-3825B\AR3825B\_TC\_TMP-25.dgn

REVISIONS  
 04/01/2020: REVISED -Y12A- (FLOWERS PKWY) / -DRW27- / -L- (NC 42) INTERSECTION TO PROVIDE MARKING AND TEMPORARY SIGNAL FOR OPENING OF -DRW27-.



|                                           |                                   |                                                                                                                                     |                     |
|-------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| CMS 1 & 2                                 |                                   | PROJ. REFERENCE NO.<br>R-3825B                                                                                                      | SHEET NO.<br>TMP-25 |
| MESSAGE NO. 1<br>FLOWERS PKWY<br>CLSD AHD | MESSAGE NO. 2<br>USE BUFFALO ROAD | HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |
| CHANGEABLE MESSAGE SIGN                   |                                   |                                                                                                                                     |                     |

**NOTES:**  
 1. SEE RSD 1101.03, SHEETS 1 & 2 OF 9 AND THIS SHEET FOR ADDITIONAL SIGN AND BARRICADE PLACEMENT.  
 2. SEE SHEET TMP-02L FOR SP-02 SIGN DESIGN.

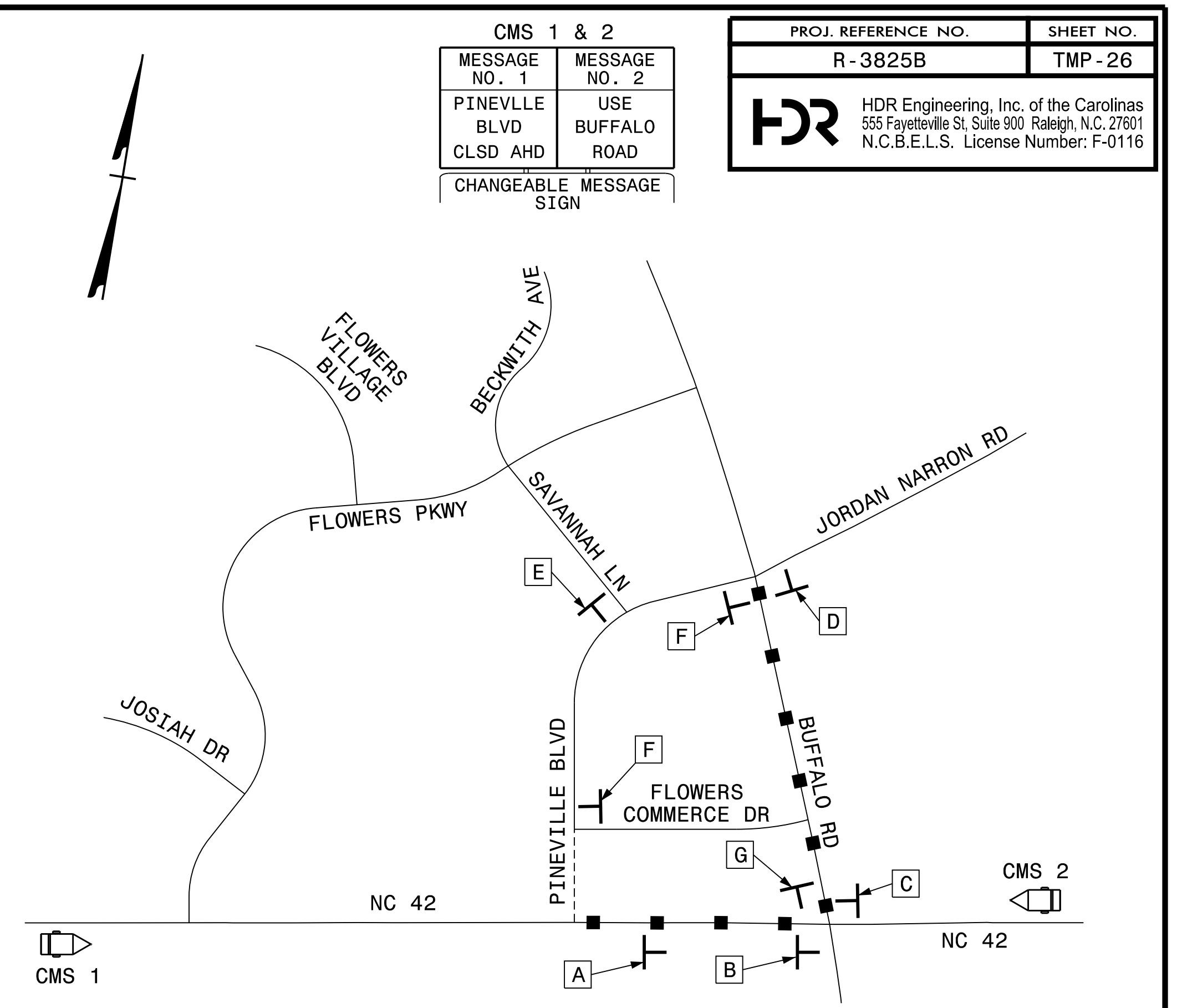
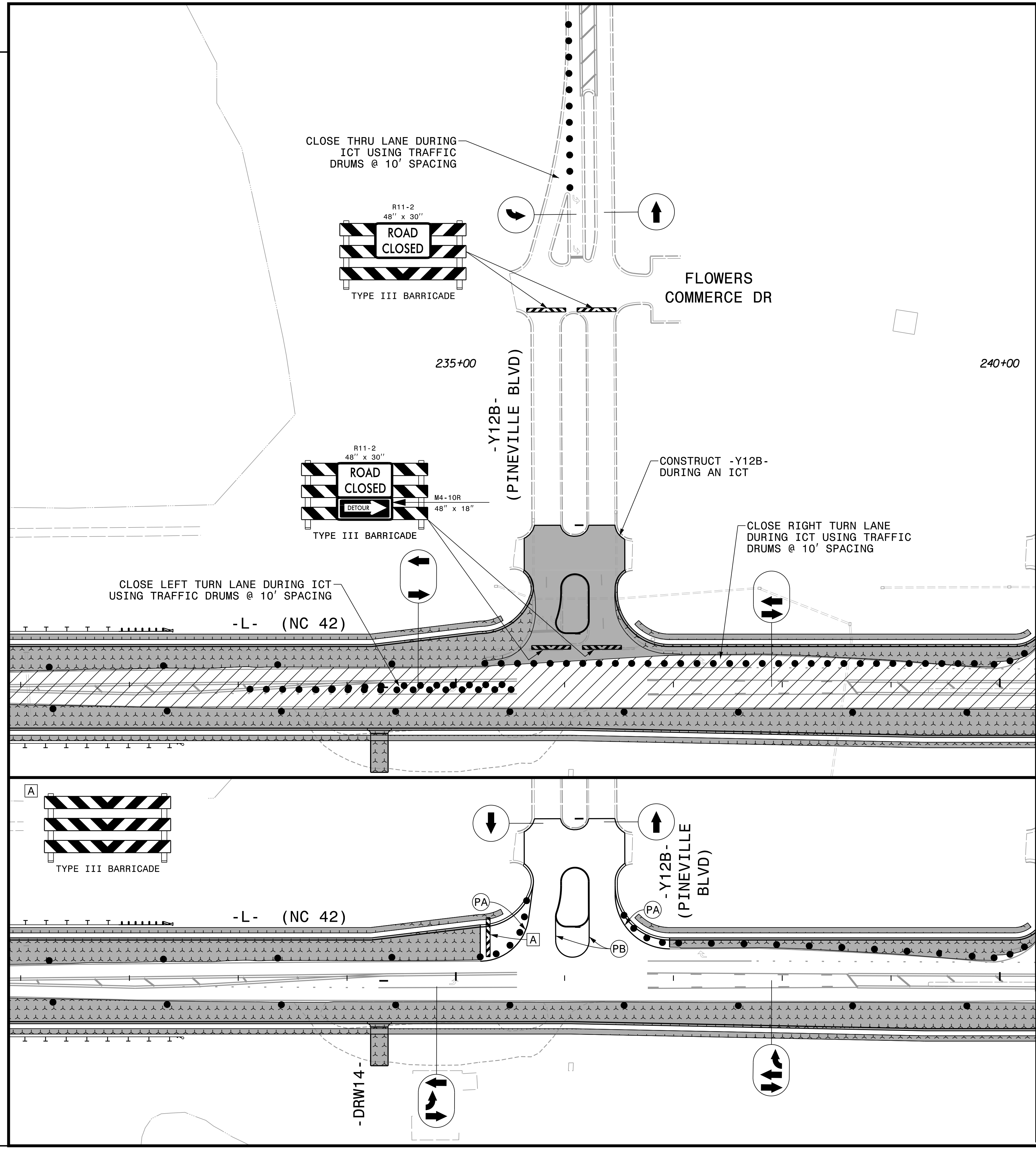
|                                                                                                           |                                                                                                         |                                                                                           |                                                                                               |
|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| <b>A</b><br>FLOWERS PKWY<br>SP-02<br>DETOUR<br>M4-8<br>24" X 12"<br><br>M5-1<br>21" X 15"                 | <b>B</b><br>FLOWERS PKWY<br>SP-02<br>DETOUR<br>M4-8<br>24" X 12"<br><br>M6-1 L<br>21" X 15"             | <b>C</b><br>FLOWERS PKWY<br>SP-02<br>DETOUR<br>M4-8<br>24" X 12"<br><br>M6-1<br>21" X 15" | <b>D</b><br>FLOWERS PKWY<br>SP-02<br>END DETOUR<br>M4-8 A<br>24" X 18"<br>M4-8 A<br>24" X 18" |
| <b>E</b><br>DETOUR<br>M4-8<br>24" X 12"<br>TO<br>M4-5<br>24" X 12"<br><br>M1-5<br><br>M6-1 L<br>21" X 15" | <b>F</b><br>DETOUR<br>M4-8<br>24" X 12"<br>TO<br>M4-5<br>24" X 12"<br><br>M1-5<br><br>M6-1<br>21" X 15" | <b>G</b><br>END DETOUR<br>M4-8 A<br>24" X 18"<br>TO<br>M4-5<br>24" X 12"<br><br>M1-5      |                                                                                               |

|                                                                  |  |                                                                                                         |
|------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 4/1/2020<br>SEAL         |  | <br>DIVISION OF HIGHWAYS<br>NORTH CAROLINA<br>DEPARTMENT OF TRANSPORTATION<br>WORK ZONE TRAFFIC CONTROL |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED |  |                                                                                                         |
| PHASE 1 - STEP 1B                                                |  |                                                                                                         |

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 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 3:34:07 PM  
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REVISIONS

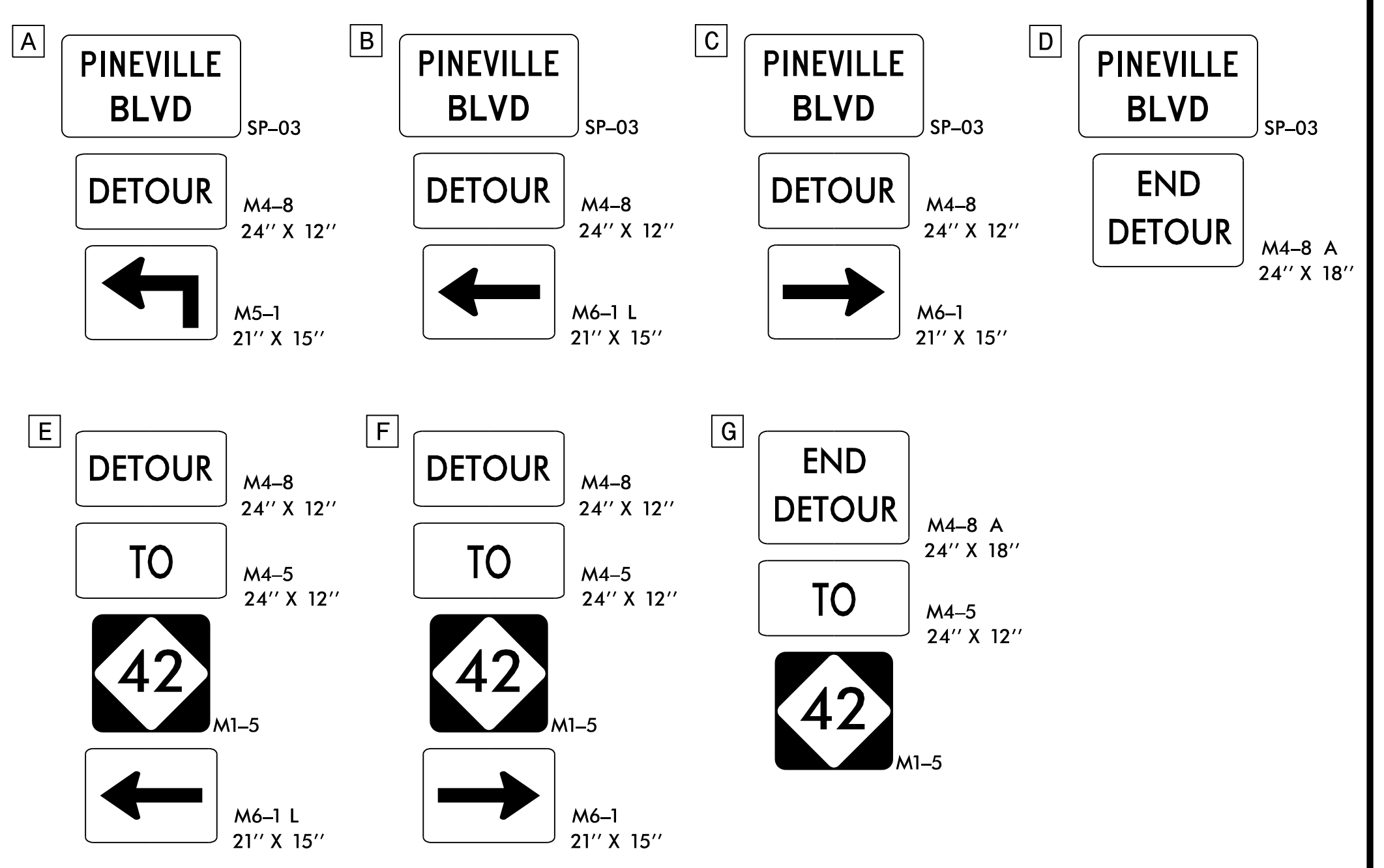


| CMS 1 & 2               |                  |
|-------------------------|------------------|
| MESSAGE NO. 1           | MESSAGE NO. 2    |
| PINEVILLE BLVD CLSD AHD | USE BUFFALO ROAD |
| CHANGEABLE MESSAGE SIGN |                  |

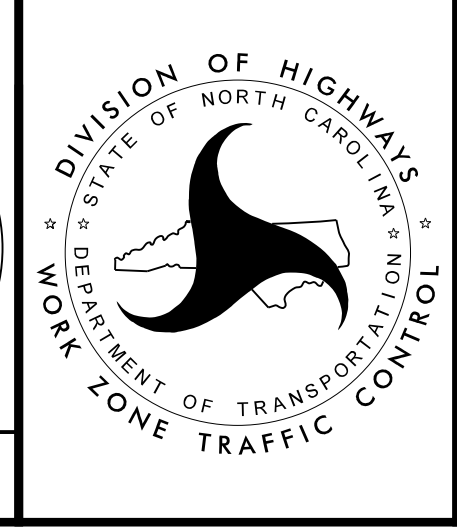
|                                                                                                                                     |                     |
|-------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                      | SHEET NO.<br>TMP-26 |
| HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |

CLOSED ROAD  
 DETOUR ROUTE

**NOTES:**  
 1. SEE RSD 1101.03, SHEETS 1 & 2 OF 9 AND THIS SHEET FOR ADDITIONAL SIGN AND BARRICADE PLACEMENT.  
 2. SEE SHEET TMP-02M FOR SP-03 SIGN DESIGN.

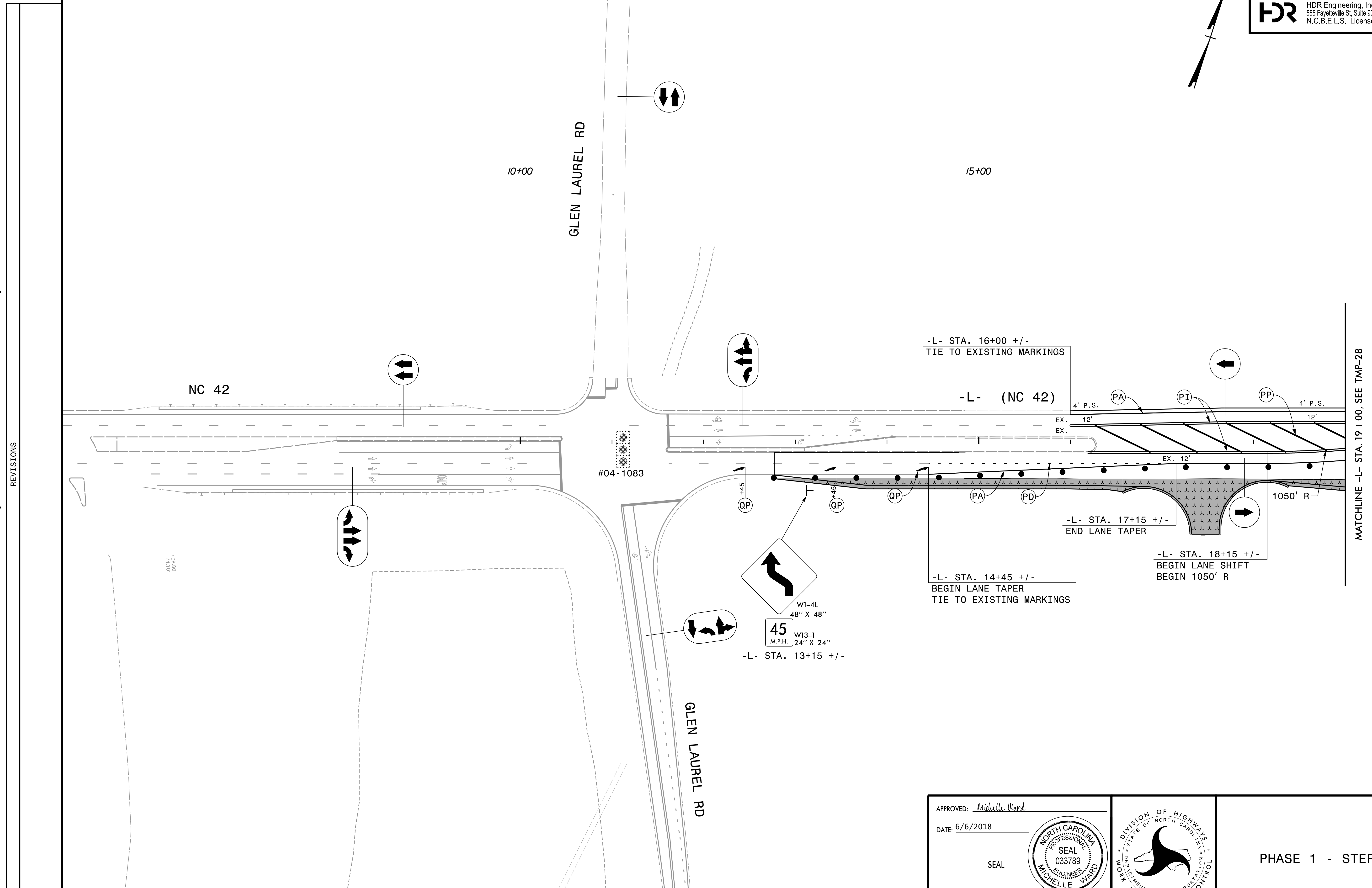
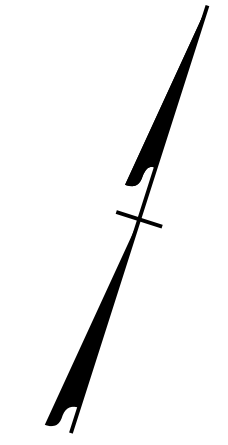


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PHASE 1 - STEP 1C


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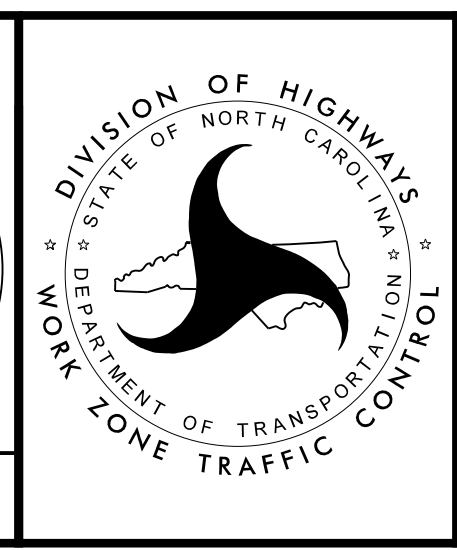


REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 FILE: pw:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-27.dgn

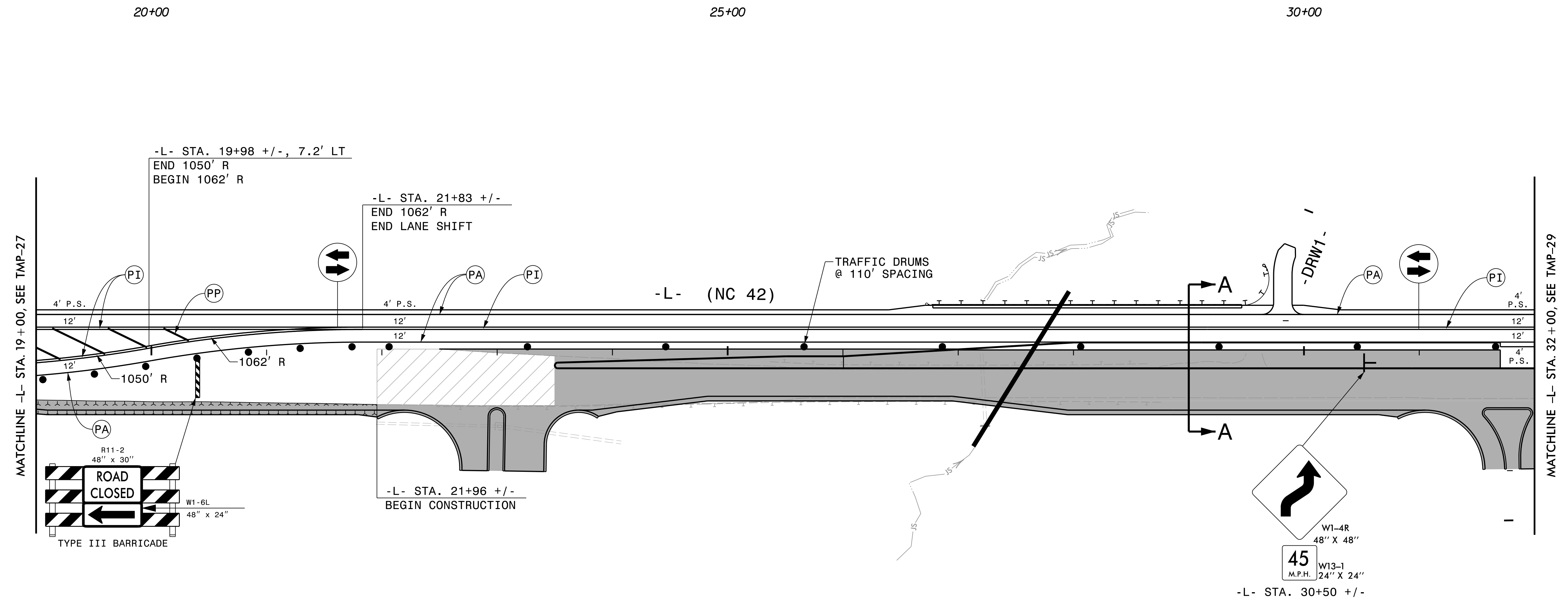
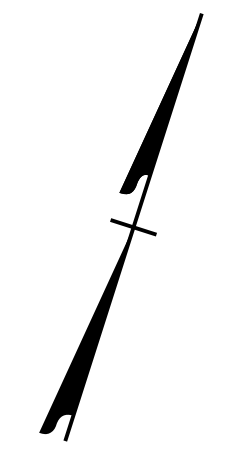
MATCHLINE -L- STA. 19+00, SEE TMP-28

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 DATE: 6/6/2018  
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PHASE 1 - STEP 2

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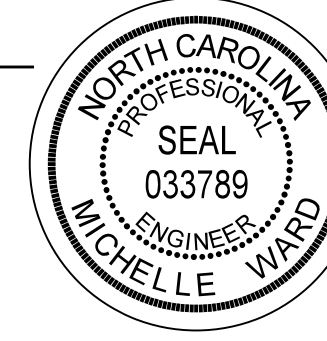
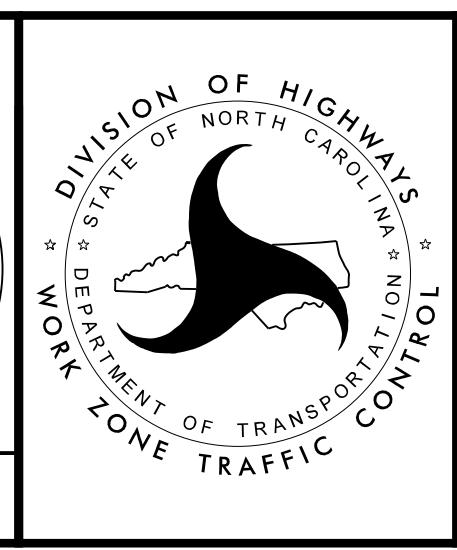
REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 PENTABLE: NCDOT\_tcp.tbl  
 TIME: 11:25:24 AM  
 FILE: p:\pwhdr\users\01\hdr\us\_east\_01\documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_Tc\_TMP-28.dgn

NOTE:  
 SEE SHEET TMP-2B FOR CUT SECTION A-A

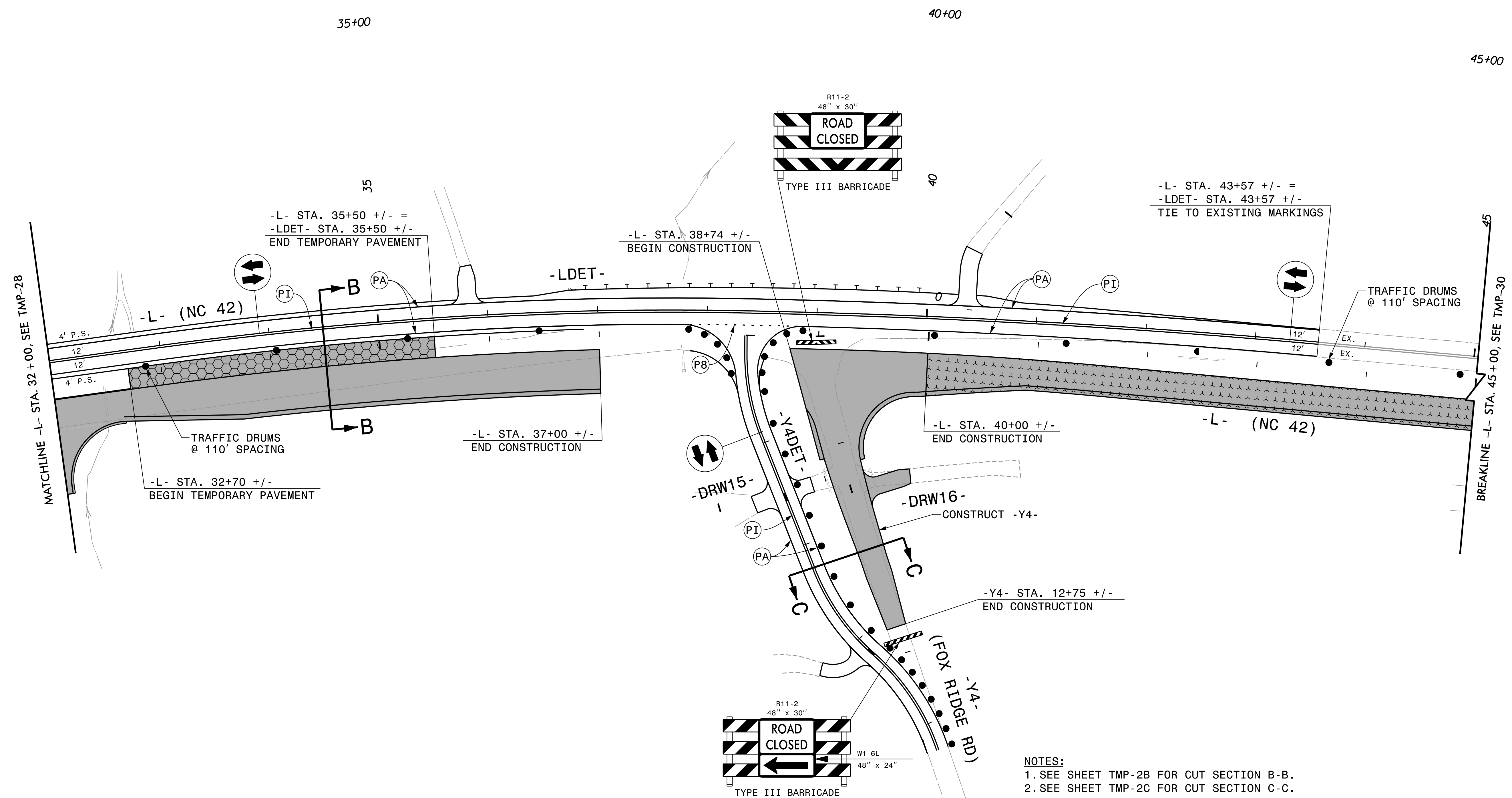
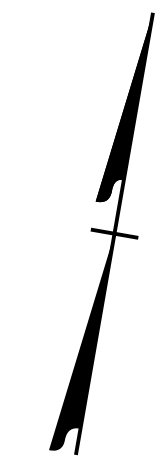
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 DATE: 6/6/2018

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PHASE 1 - STEP 2

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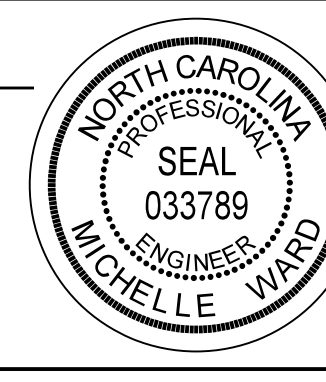
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NOTES:  
 1. SEE SHEET TMP-2B FOR CUT SECTION B-B.  
 2. SEE SHEET TMP-2C FOR CUT SECTION C-C.

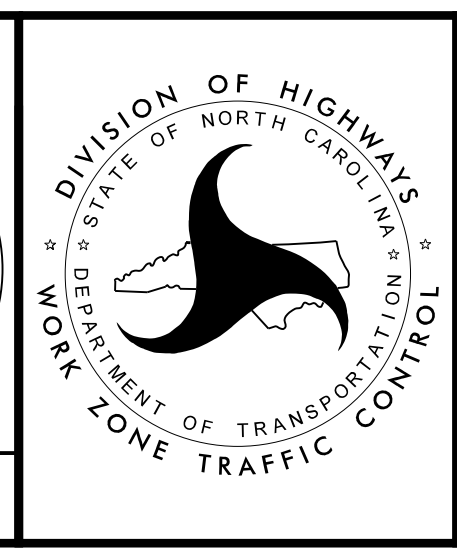
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DATE: 6/6/2018

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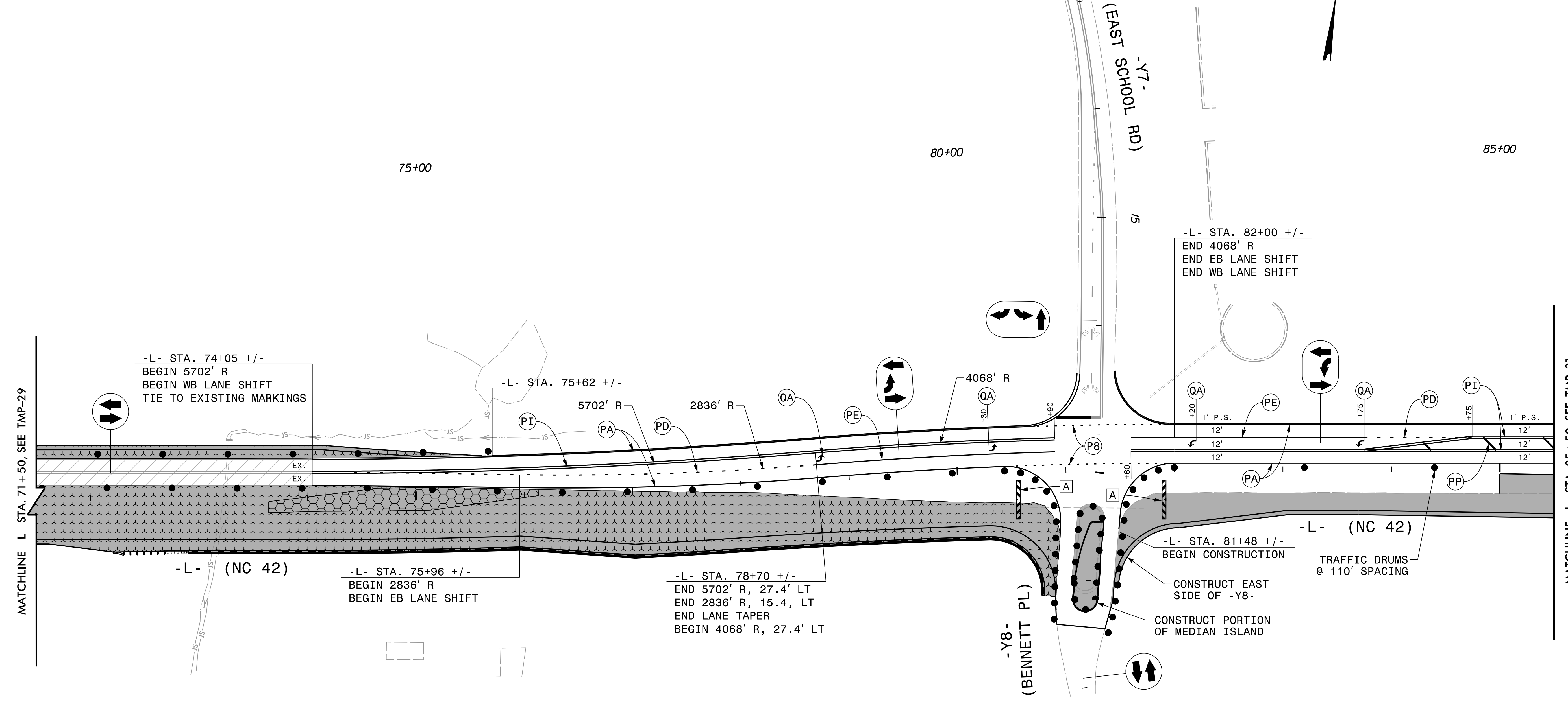
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UNLESS ALL SIGNATURES COMPLETED



PHASE 1 - STEP 2



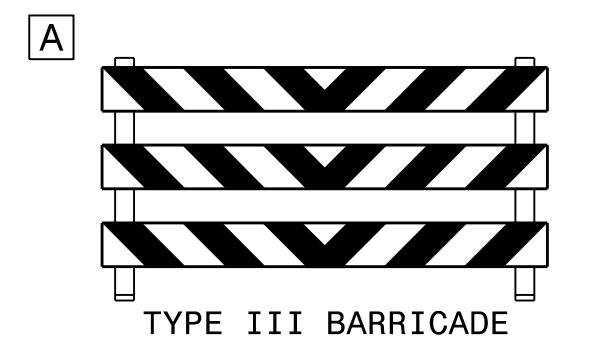
# EAST CLAYTON ELEMENTARY SCHOOL

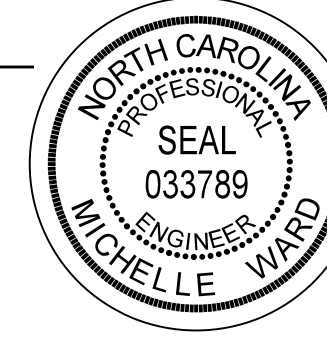


MATCHLINE -L- STA. 71+50, SEE TMP-29

MATCHLINE -L- STA. 85+50, SEE TMP-31

-Y8- (BENNETT PL)



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## PHASE 1 - STEP 2

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
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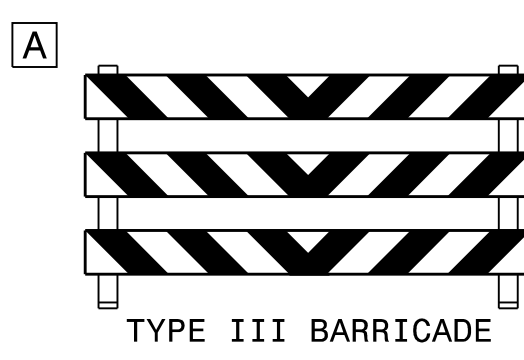
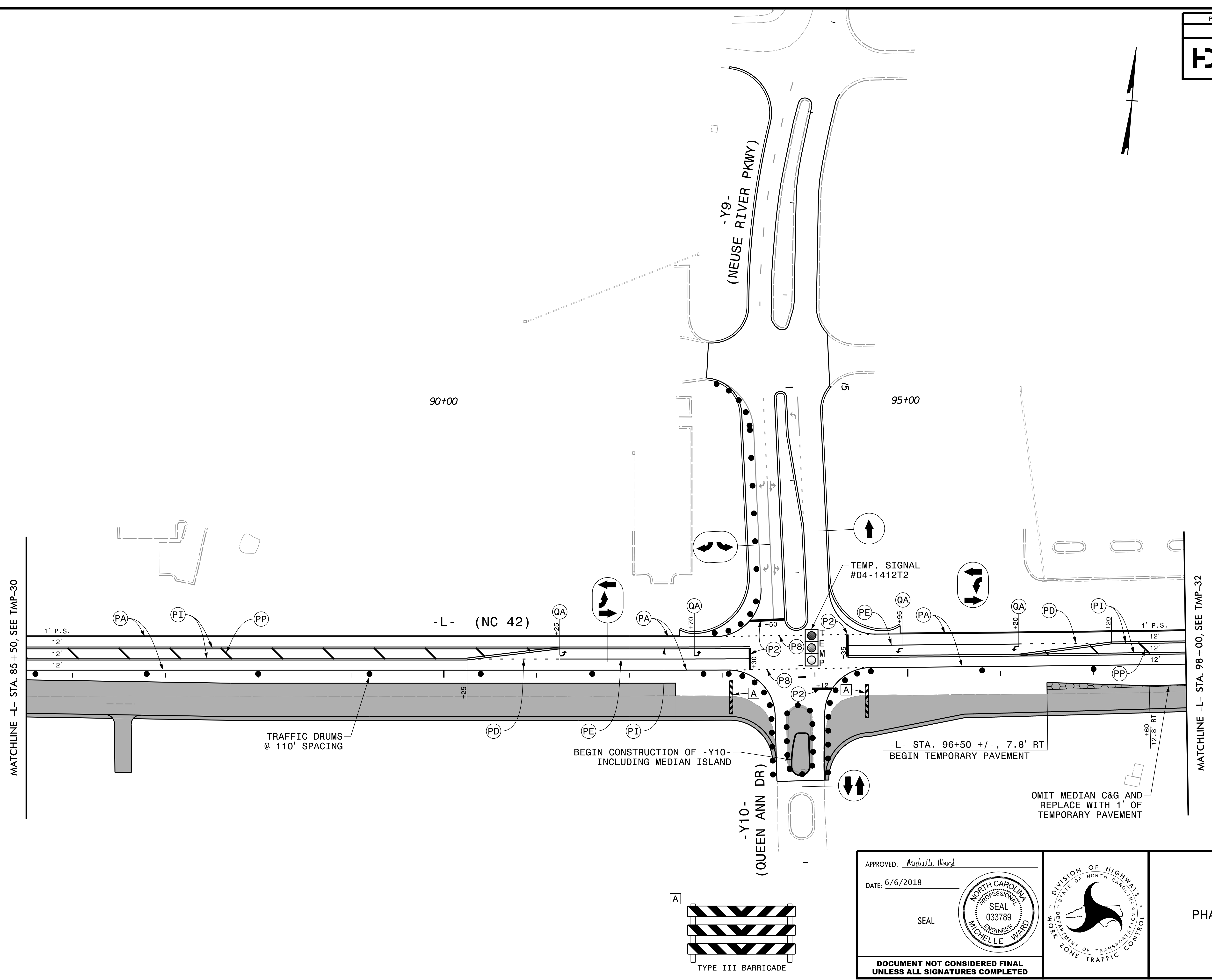
REVISIONS

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 DATE: 6/5/2018  
 TIME: 11:25:56 AM  
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REVISIONS

|                     |           |
|---------------------|-----------|
| PROJ. REFERENCE NO. | SHEET NO. |
| R-3825B             | TMP-31    |

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 N.C.B.E.L.S. License Number: F-0116



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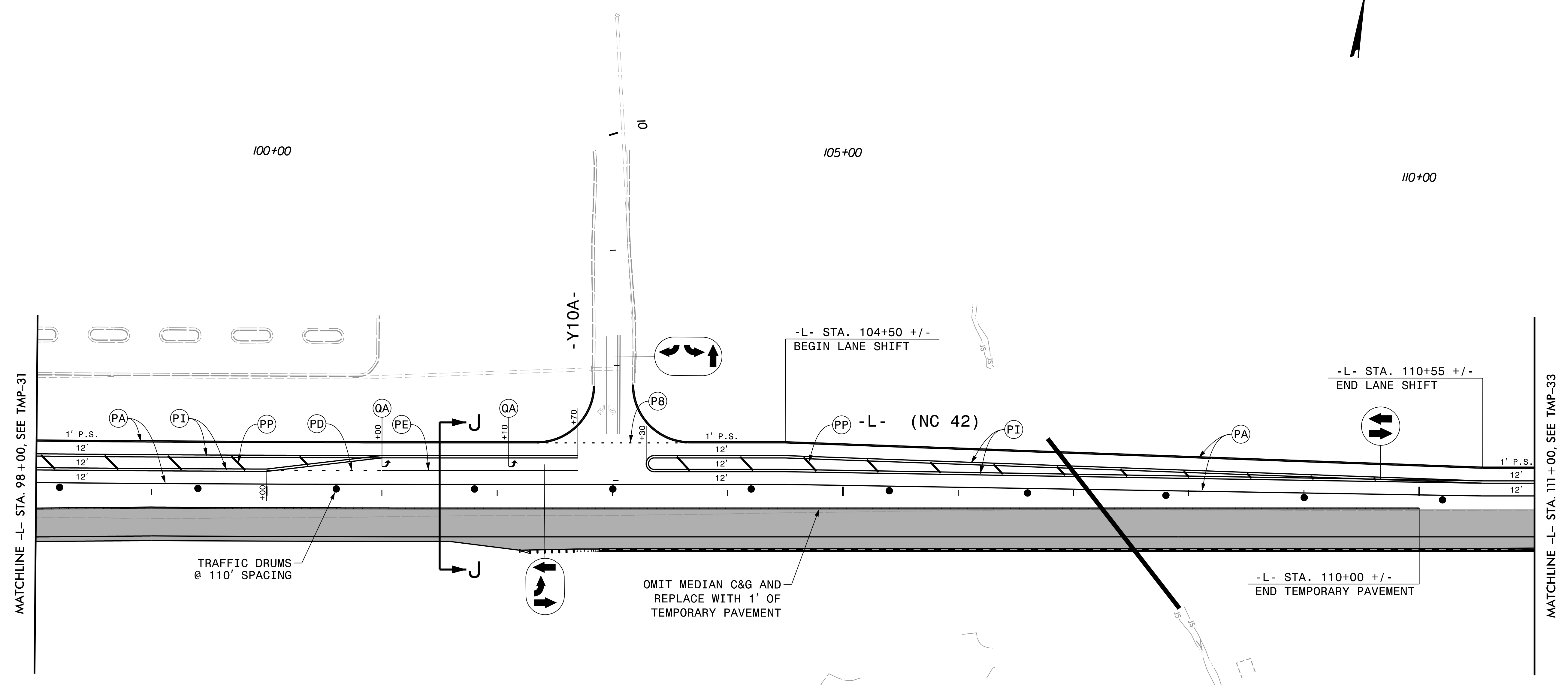
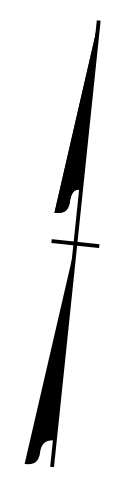
**NORTH CAROLINA**  
 PROFESSIONAL  
 SEAL  
 033789  
 ENGINEER  
 MICHELLE WARD

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**PHASE 1 - STEP 2**

WORK ZONE TRAFFIC CONTROL



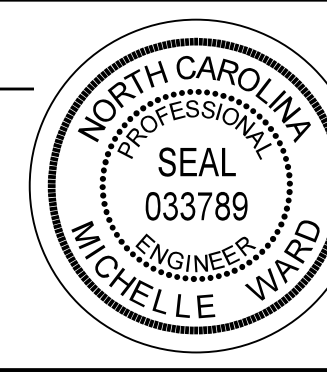
REVISIONS

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 USER: BSCOTT  
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 TIME: 11:26:08 AM  
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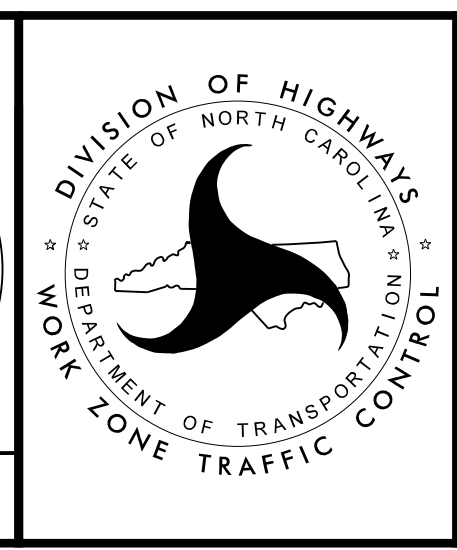
NOTES:  
 1. SEE SHEET TMP-2G FOR CUT SECTION J-J.

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 DATE: 6/6/2018

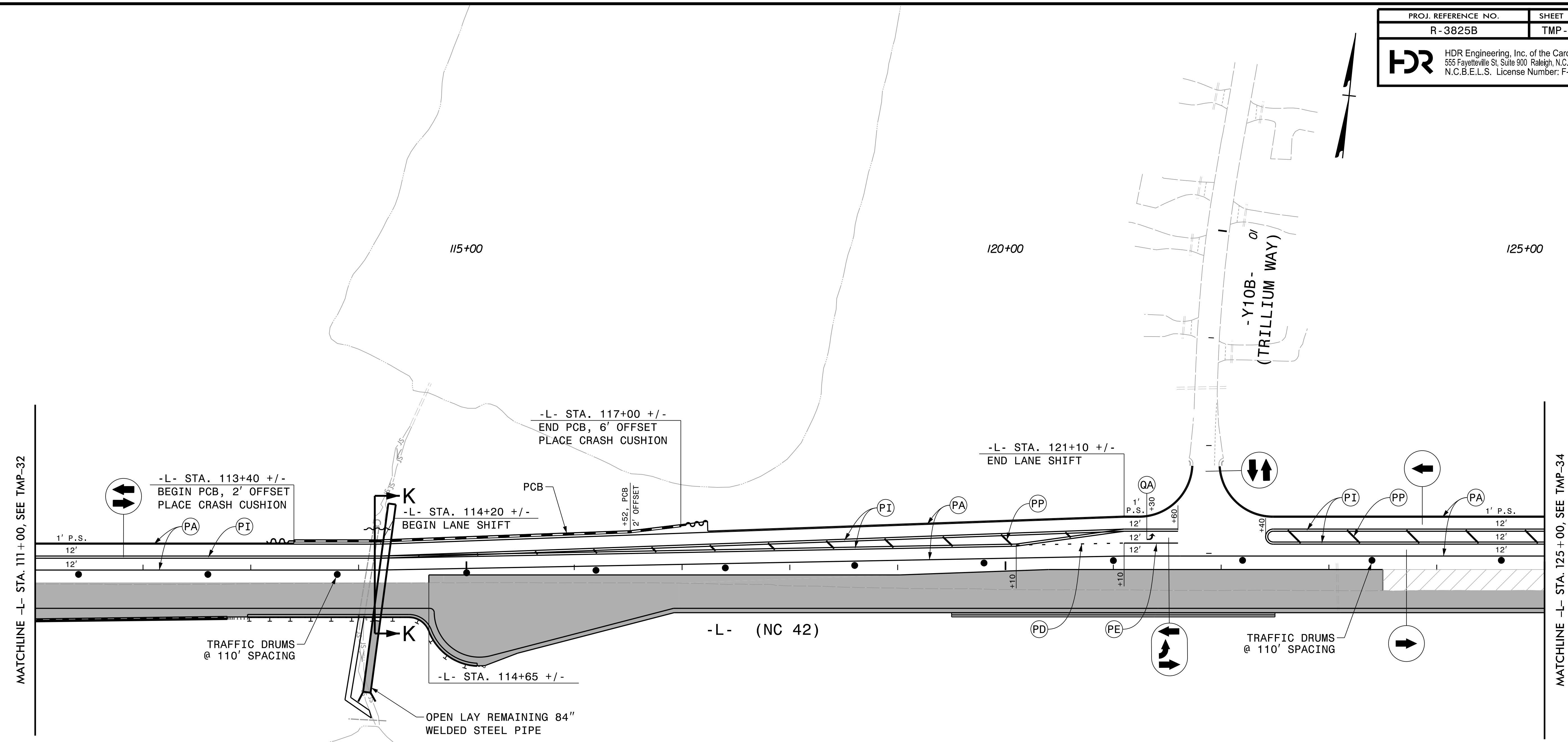
SEAL



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PHASE 1 - STEP 2



MATCHLINE -L- STA. 111 + 00, SEE TMP-32

MATCHLINE -L- STA. 125 + 00, SEE TMP-34

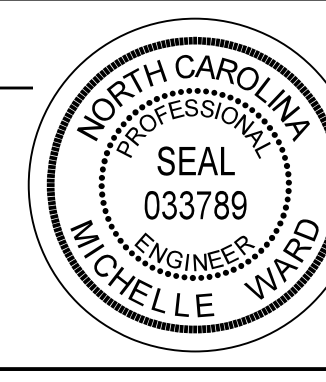
REVISIONS

NOTES:  
 1. SEE SHEET TMP-2H FOR CUT SECTION K-K.

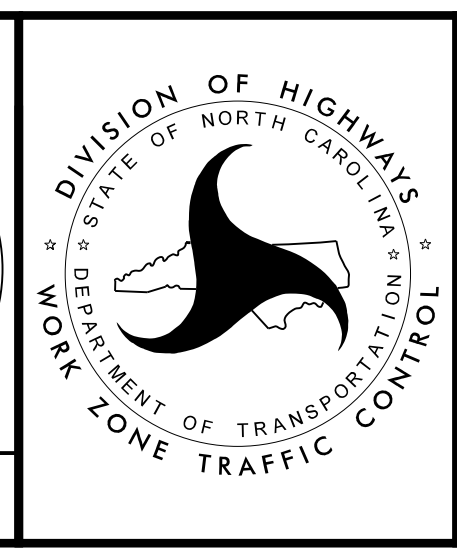
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 TIME: 11:26:19 AM  
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

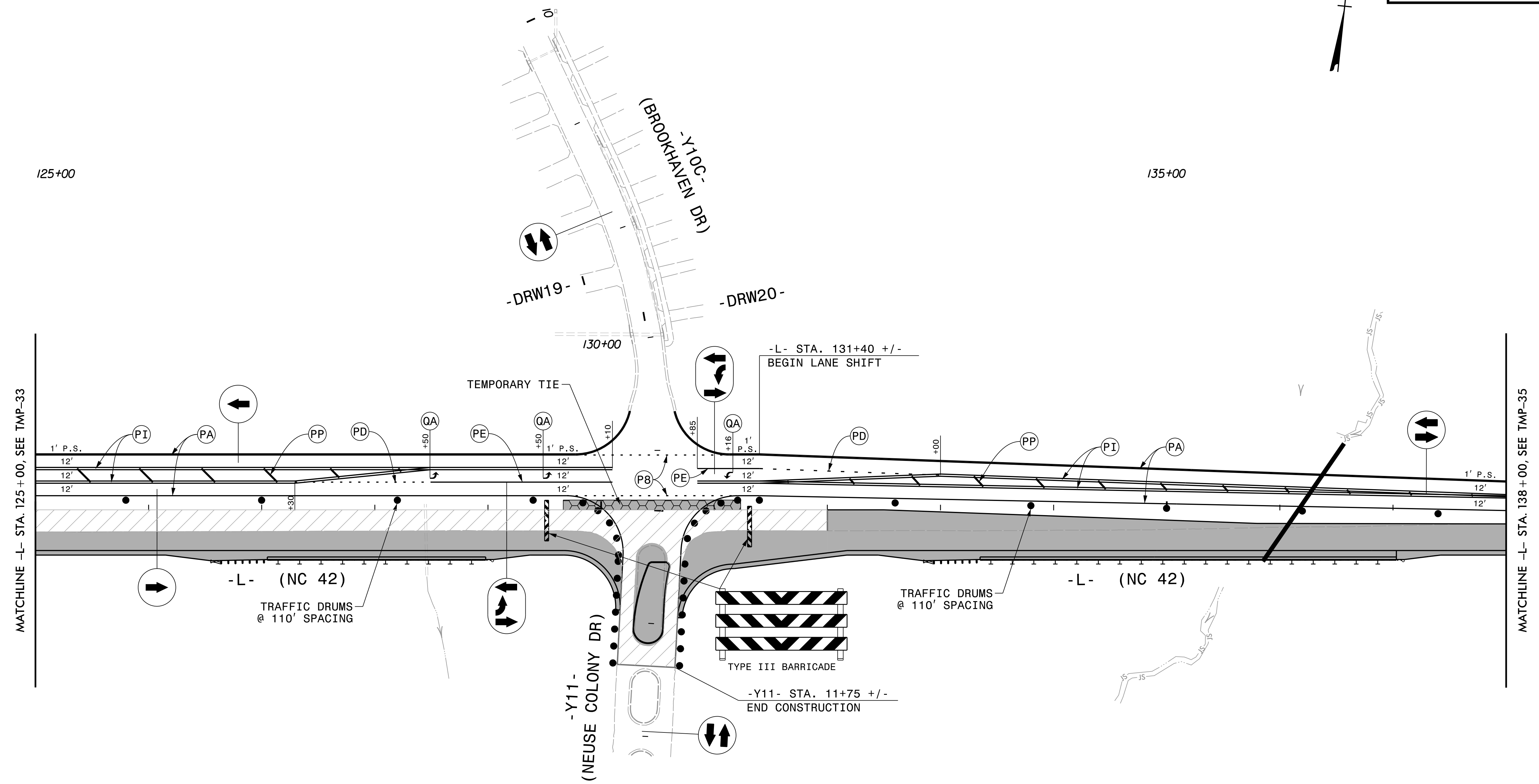
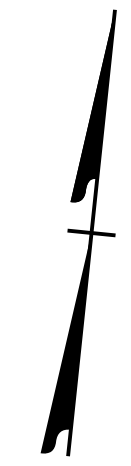
SEAL



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PHASE 1 - STEP 2

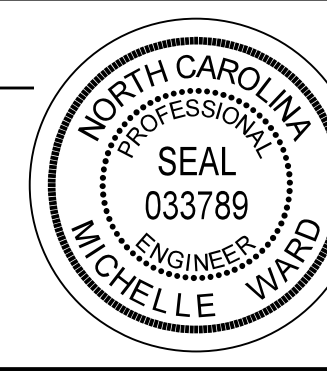


REVISIONS

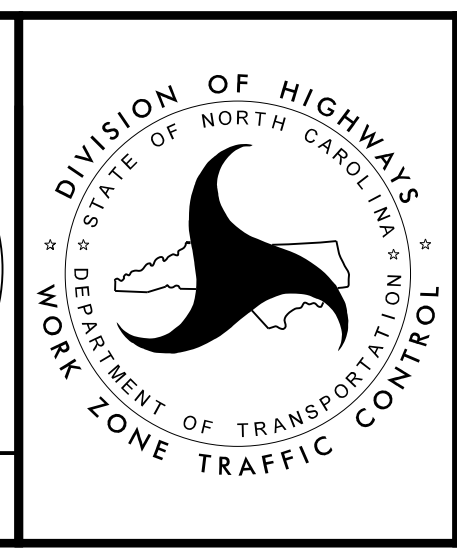
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018


SEAL

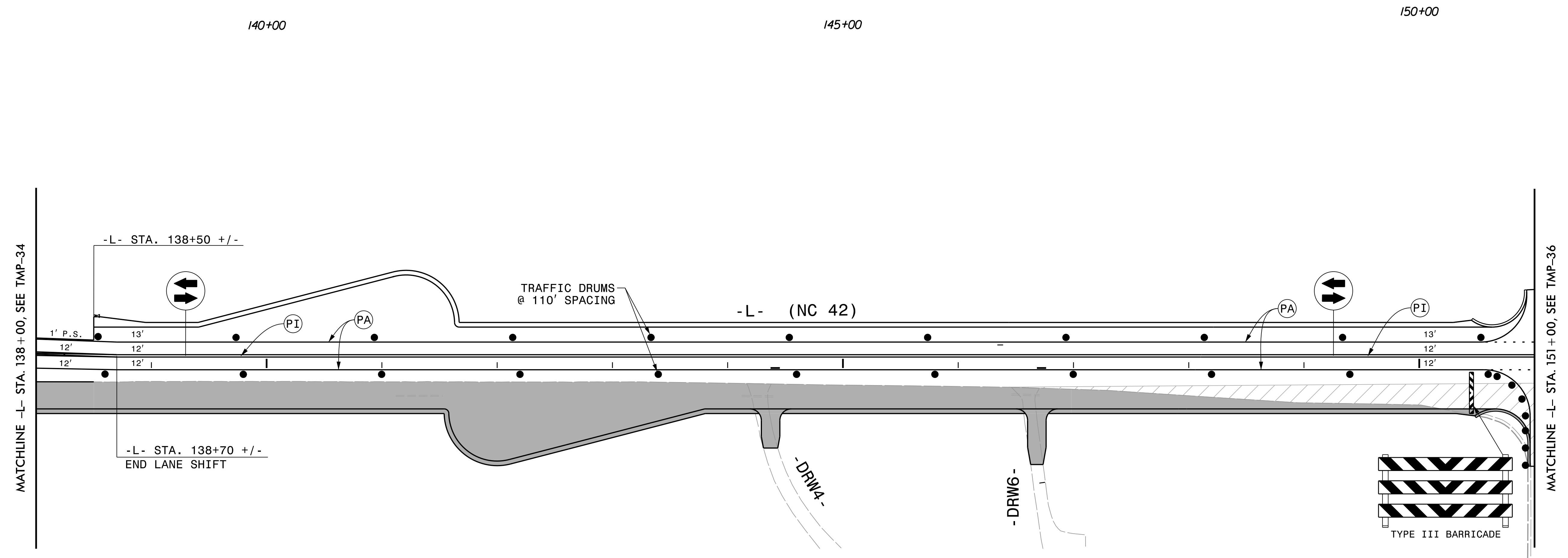


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UNLESS ALL SIGNATURES COMPLETED**



PHASE 1 - STEP 2

|                                                                                                                                                                                                                         |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| PROJ. REFERENCE NO.                                                                                                                                                                                                     | SHEET NO. |
| R-3825B                                                                                                                                                                                                                 | TMP-35    |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |           |

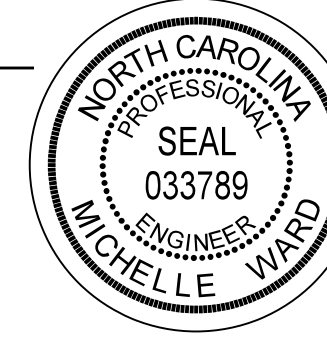


REVISIONS

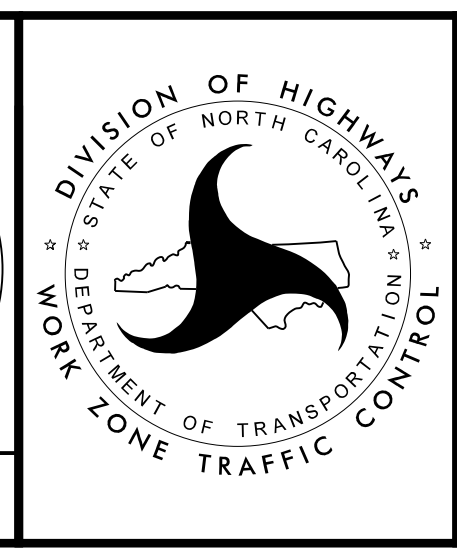
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

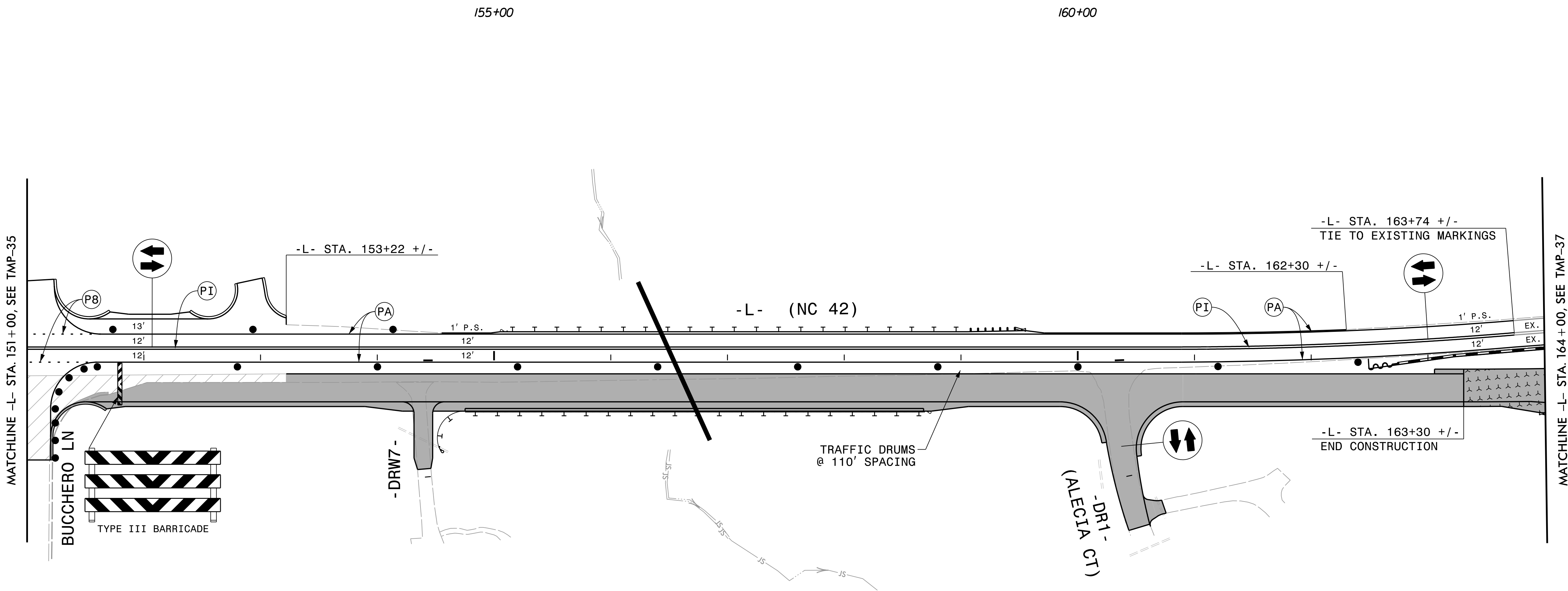
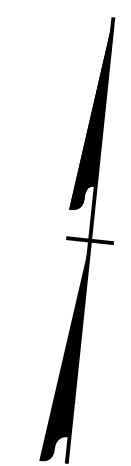
SEAL



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PHASE 1 - STEP 2

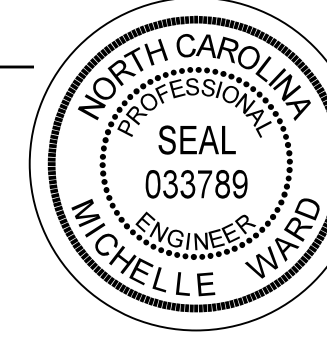


REVISIONS

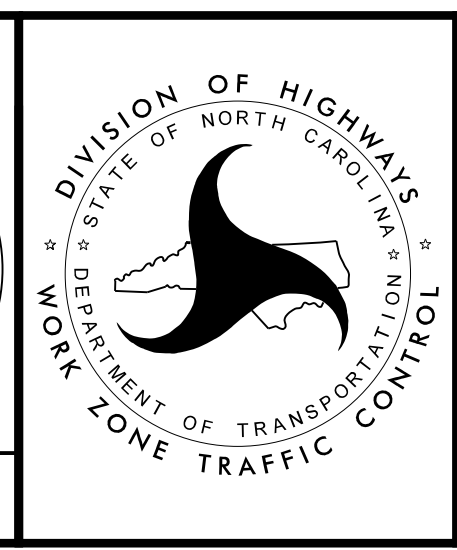
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 PENTABLE: NCDOT\_tcp.tbl  
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL




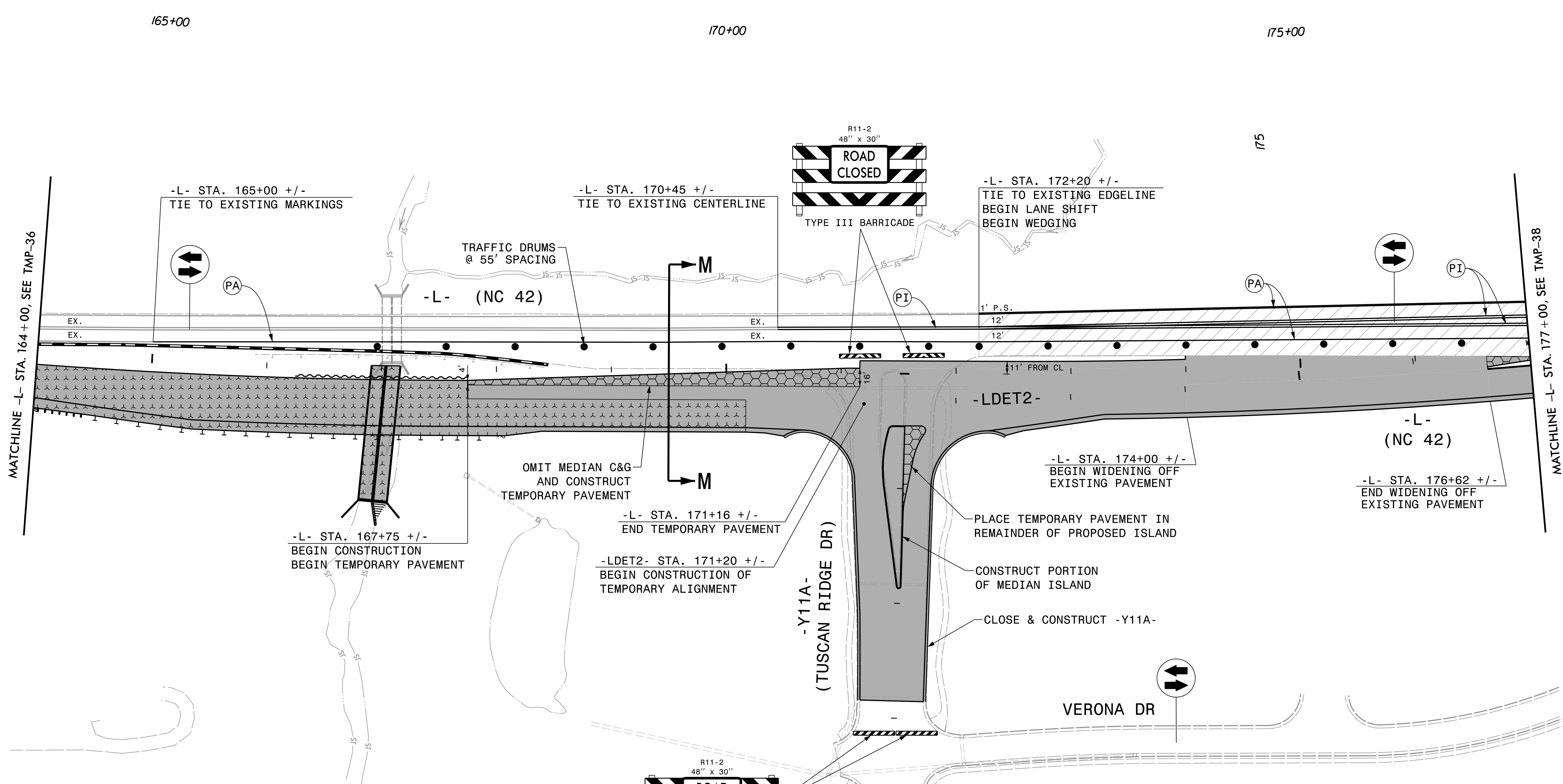
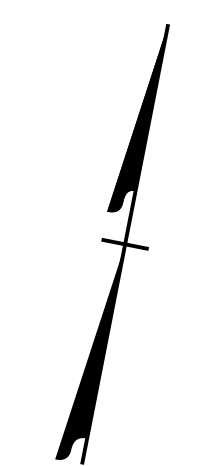
**DOCUMENT NOT CONSIDERED FINAL  
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PHASE 1 - STEP 2

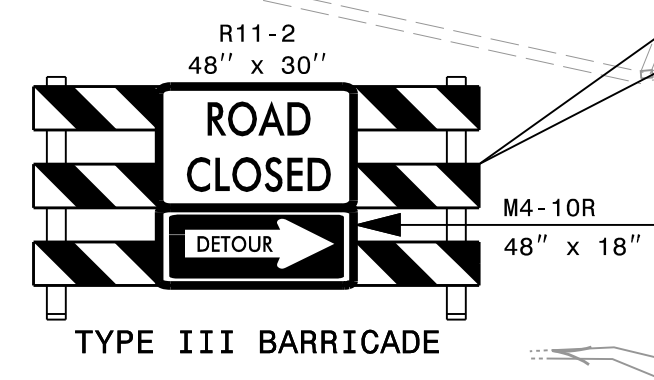
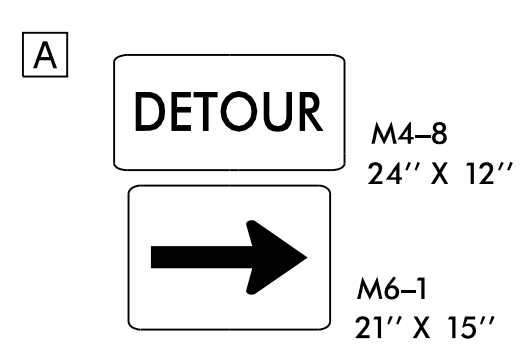
NOTES:  
1. SEE SHEET TMP-2J FOR CUT SECTION M-M.

|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-37 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |



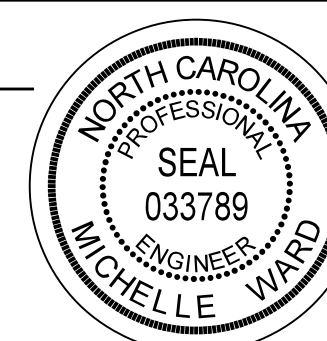
REVISIONS

PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 8/19/2018  
 TIME: 6:43:27 PM  
 FILE: pw:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-37.dgn

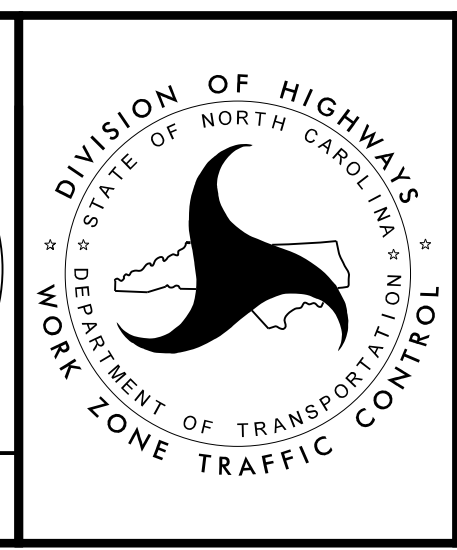


APPROVED: *Michelle Ward*  
 DATE: 8/19/2018

SEAL

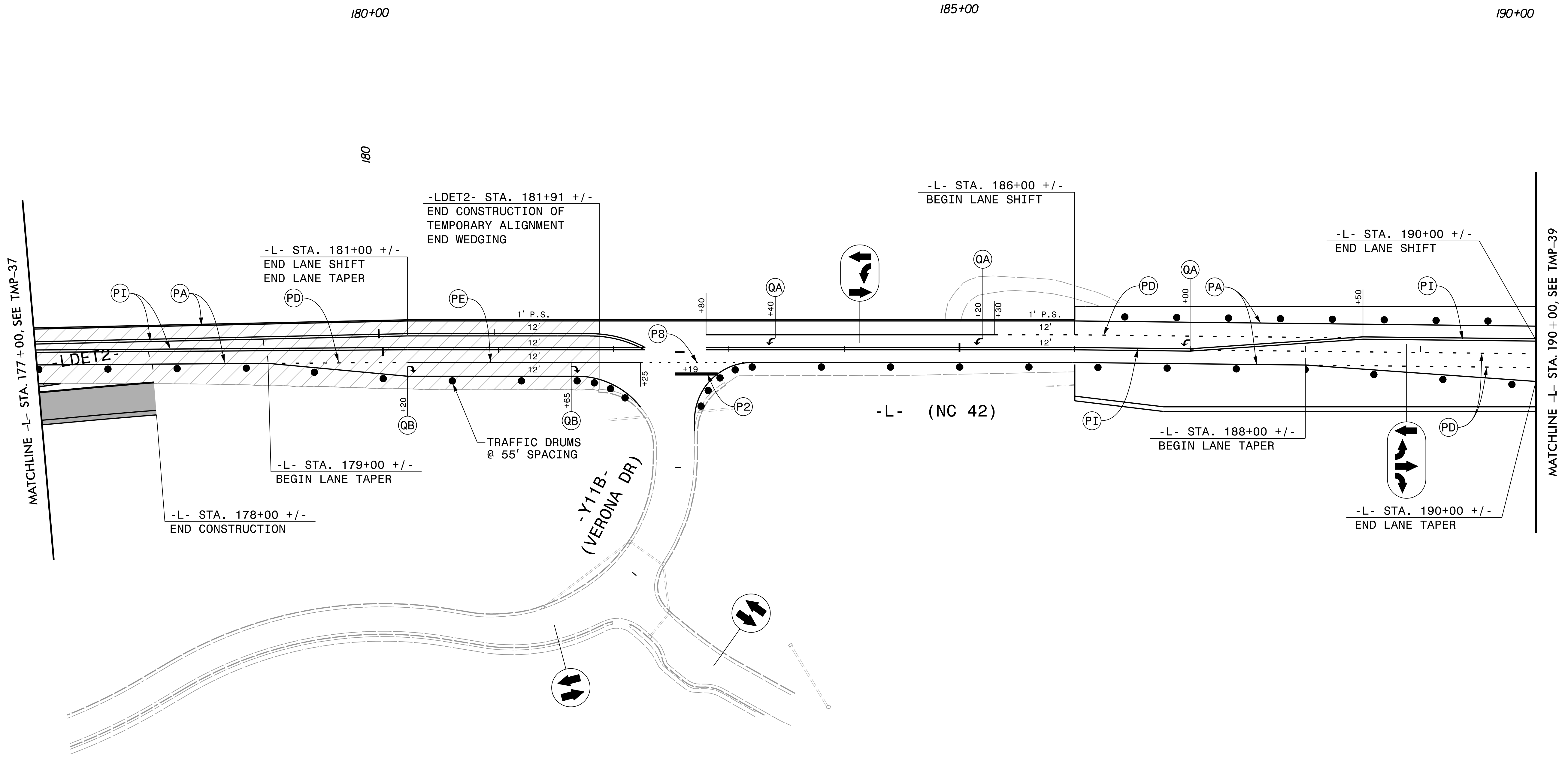
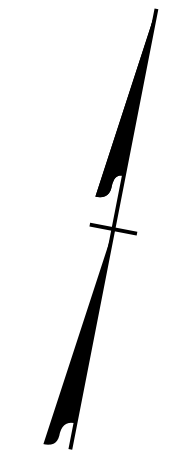


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



PHASE 1 - STEP 2



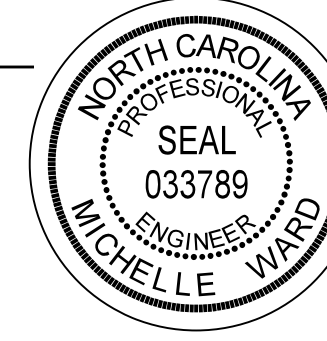


REVISIONS

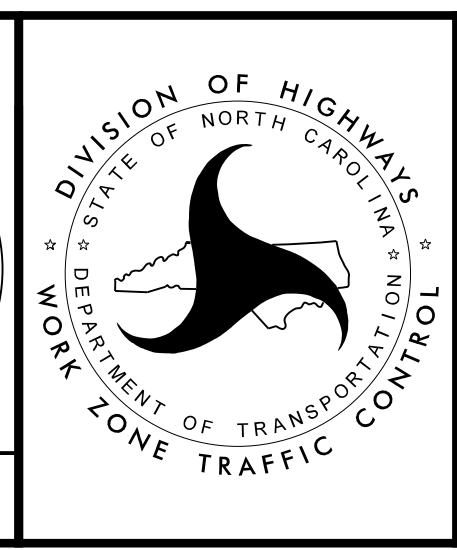
PLOT DRIVER: NCDOT\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 8/19/2018  
 TIME: 6:39:35 PM  
 FILE: p:\pwhdr\users\BSCOTT\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-38.dgn

APPROVED: *Michelle Ward*  
 DATE: 8/19/2018


SEAL



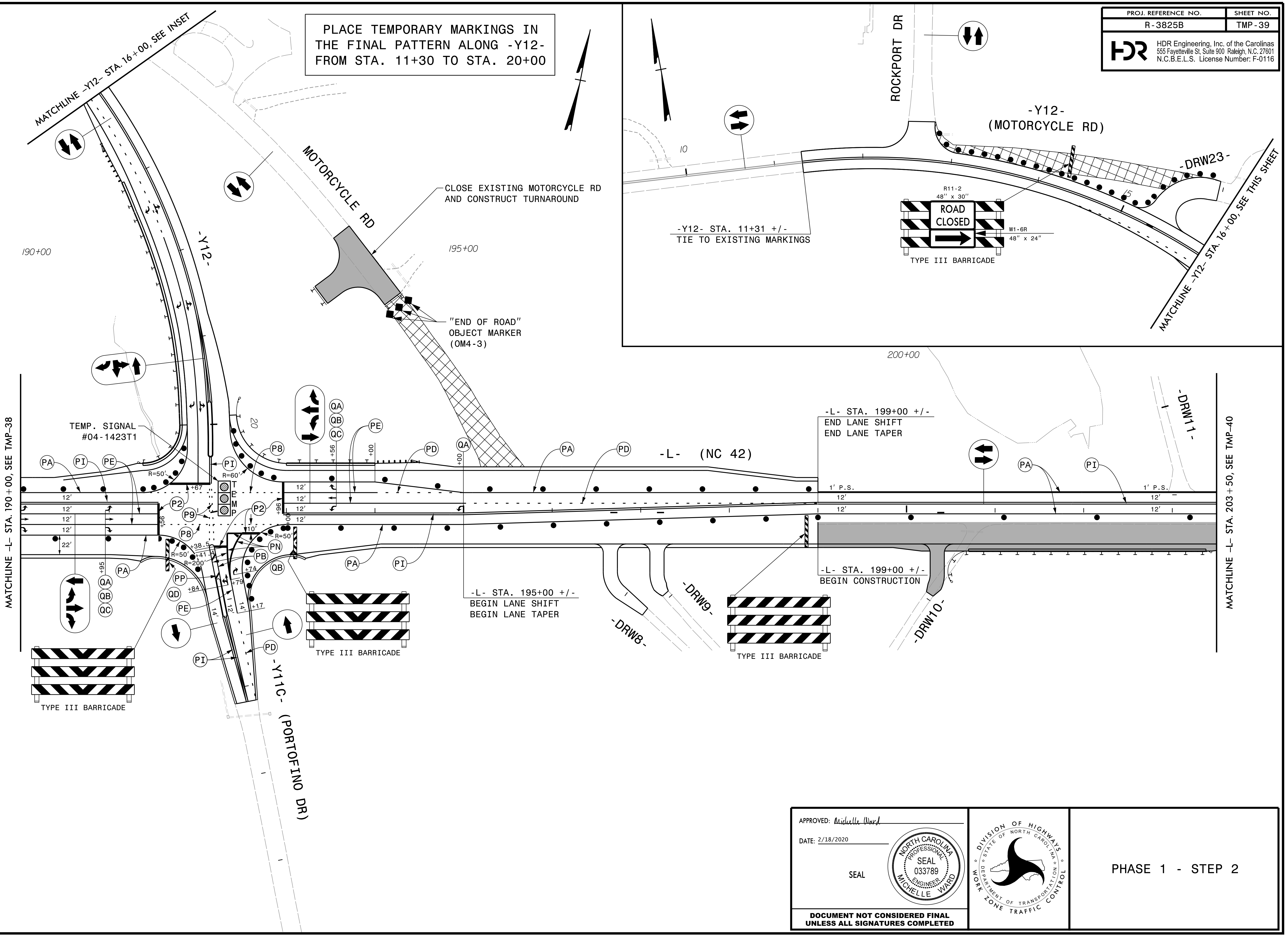
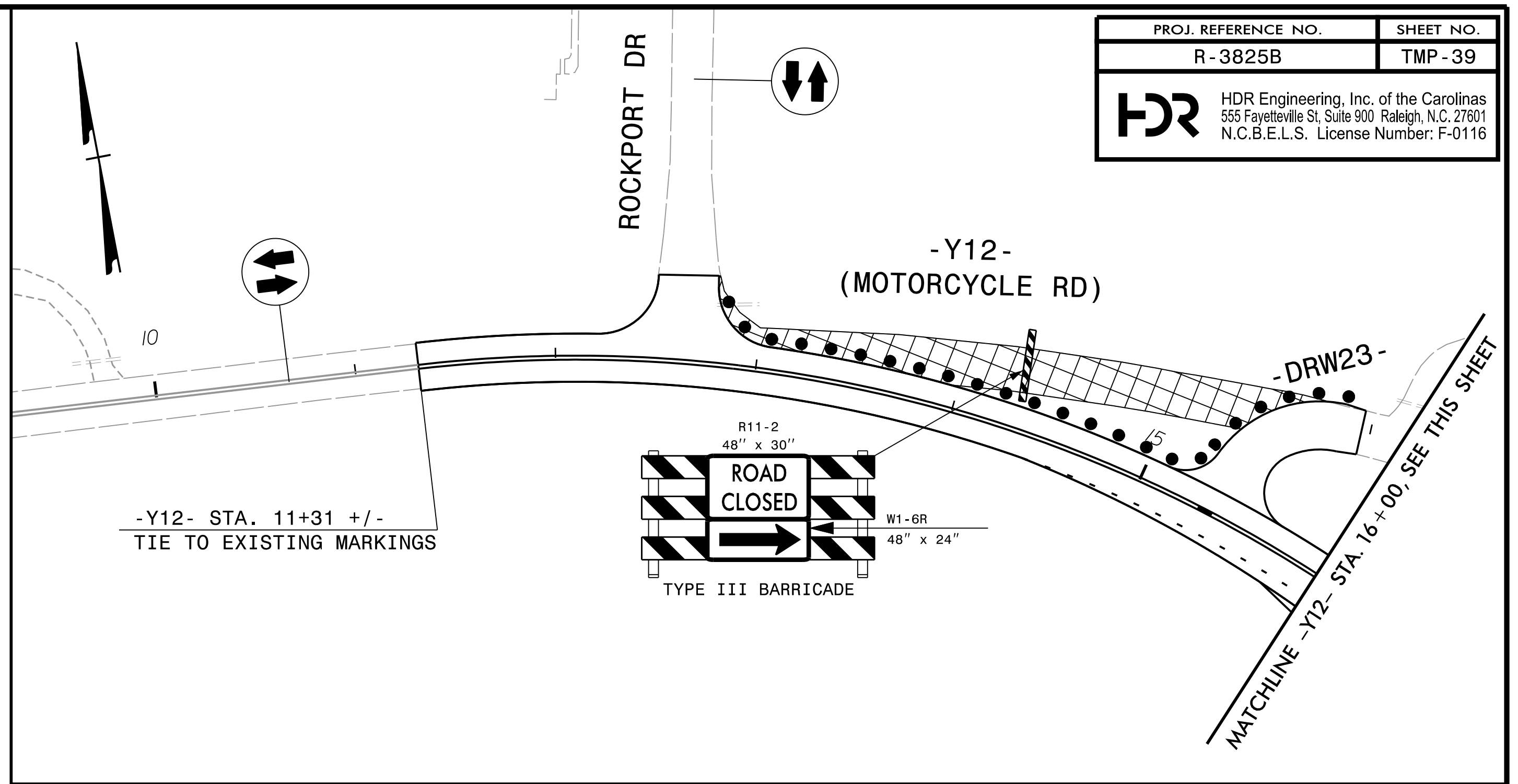
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



PHASE 1 - STEP 2

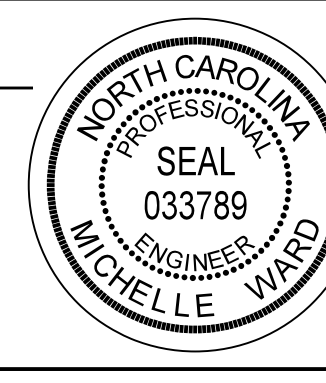

|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-39 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |


PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ALONG -Y12- FROM STA. 11+30 TO STA. 20+00

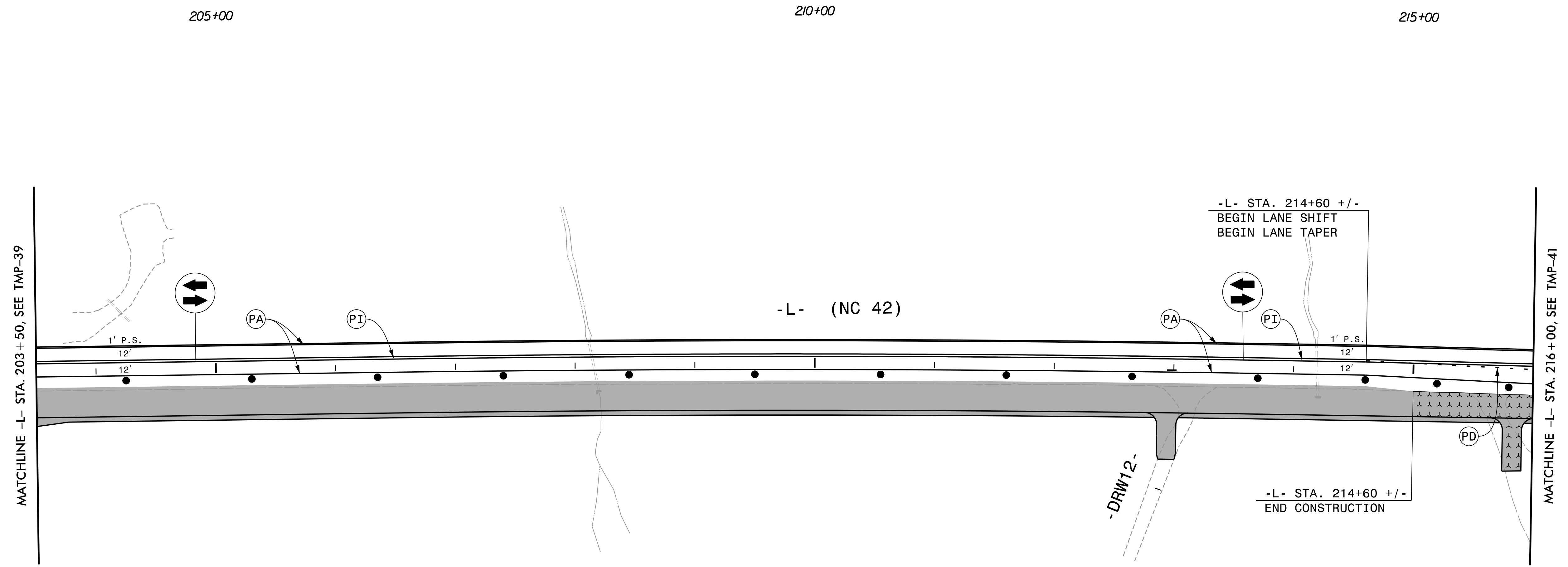
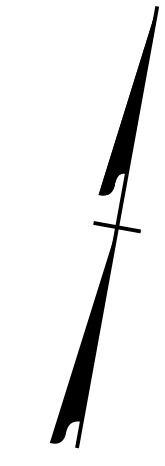


REVISIONS  
 2/4/2020: REVISED TEMPORARY MARKING ON -Y11C- (PORTOFINO DR) TO ADD ADDITIONAL LANE.

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: CHARNDEN  
 DATE: 2/5/2020  
 TIME: 11:19:52 AM  
 FILE: pw:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\_6.2\_Work.In.Progress\TrafficControl\TCP\R3825B\_TC\_TMP-39.dgn

|                                                                                                                                                    |                                                                                       |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 2/18/2020<br>SEAL<br> |  | PHASE 1 - STEP 2 |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                   |                                                                                       |                  |

|                                                                                                                                                                                                                         |           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|
| PROJ. REFERENCE NO.                                                                                                                                                                                                     | SHEET NO. |
| R-3825B                                                                                                                                                                                                                 | TMP-40    |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |           |

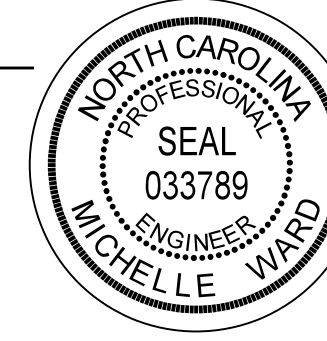


REVISIONS

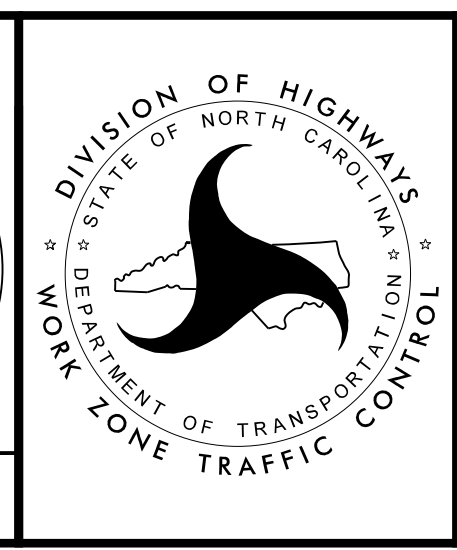
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:27:40 AM  
 PENTABLE: NCDOT\_tcp.tbl  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-40.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

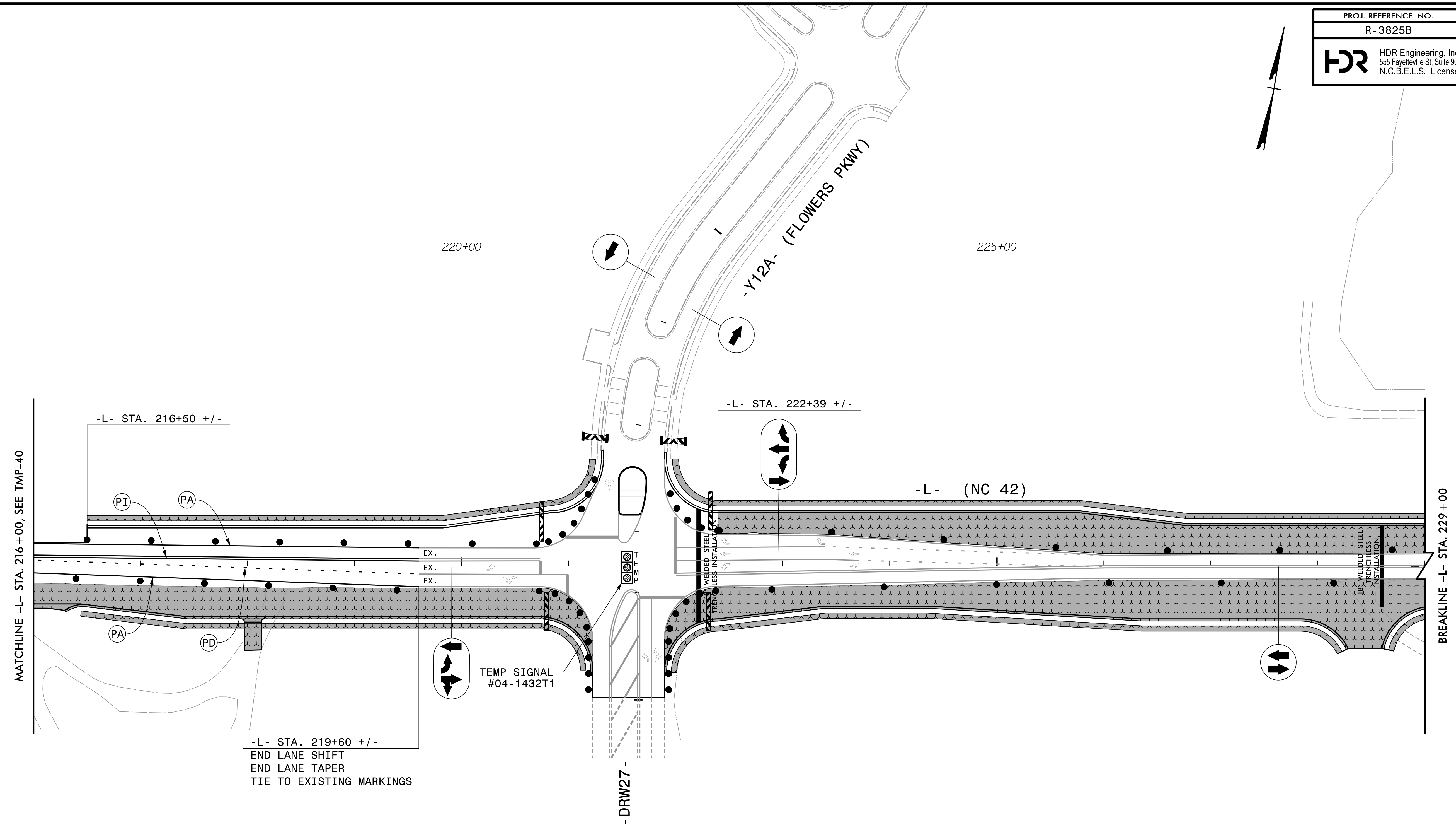
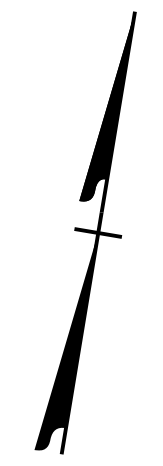
SEAL



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UNLESS ALL SIGNATURES COMPLETED**

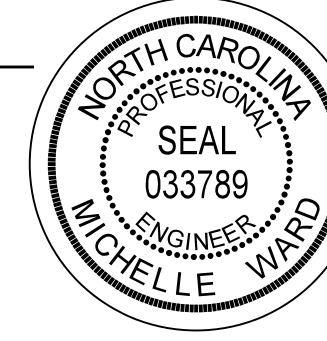


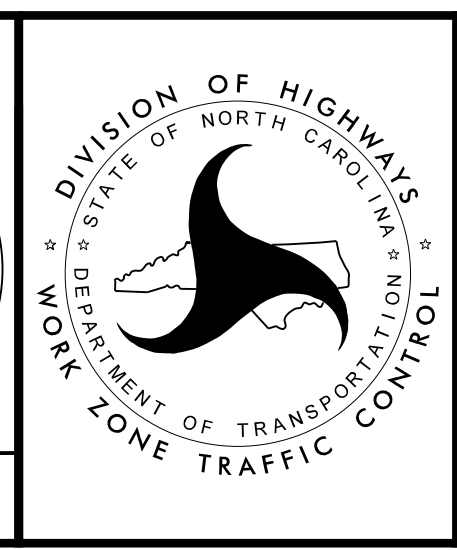
PHASE 1 - STEP 2



REVISIONS  
 04/01/2020: REVISED -Y12A- (FLOWERS PKWY) / -DRW27- / -L- (NC 42) INTERSECTION TO PROVIDE MARKING AND TEMPORARY SIGNAL FOR OPENING OF -DRW27-.

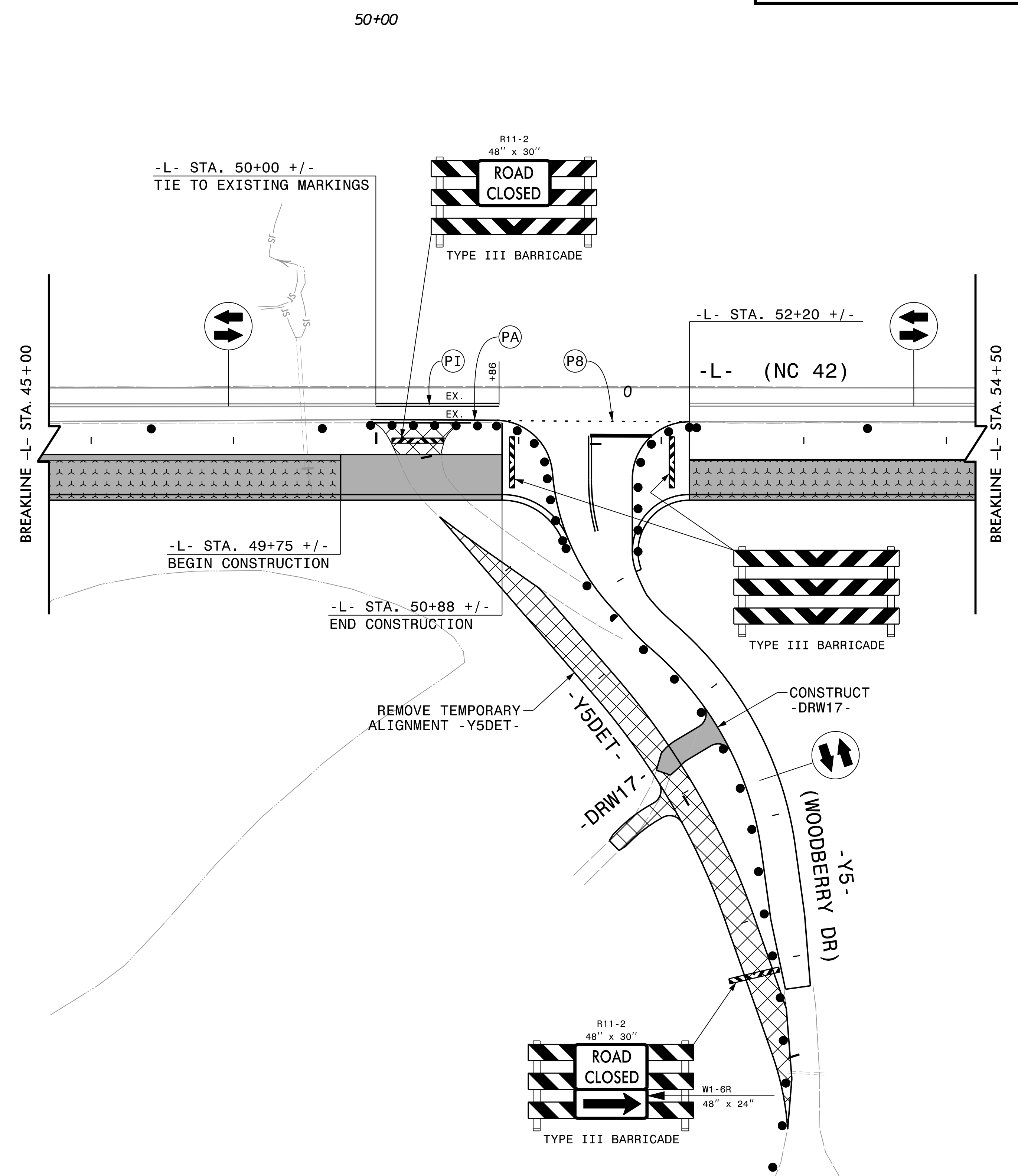
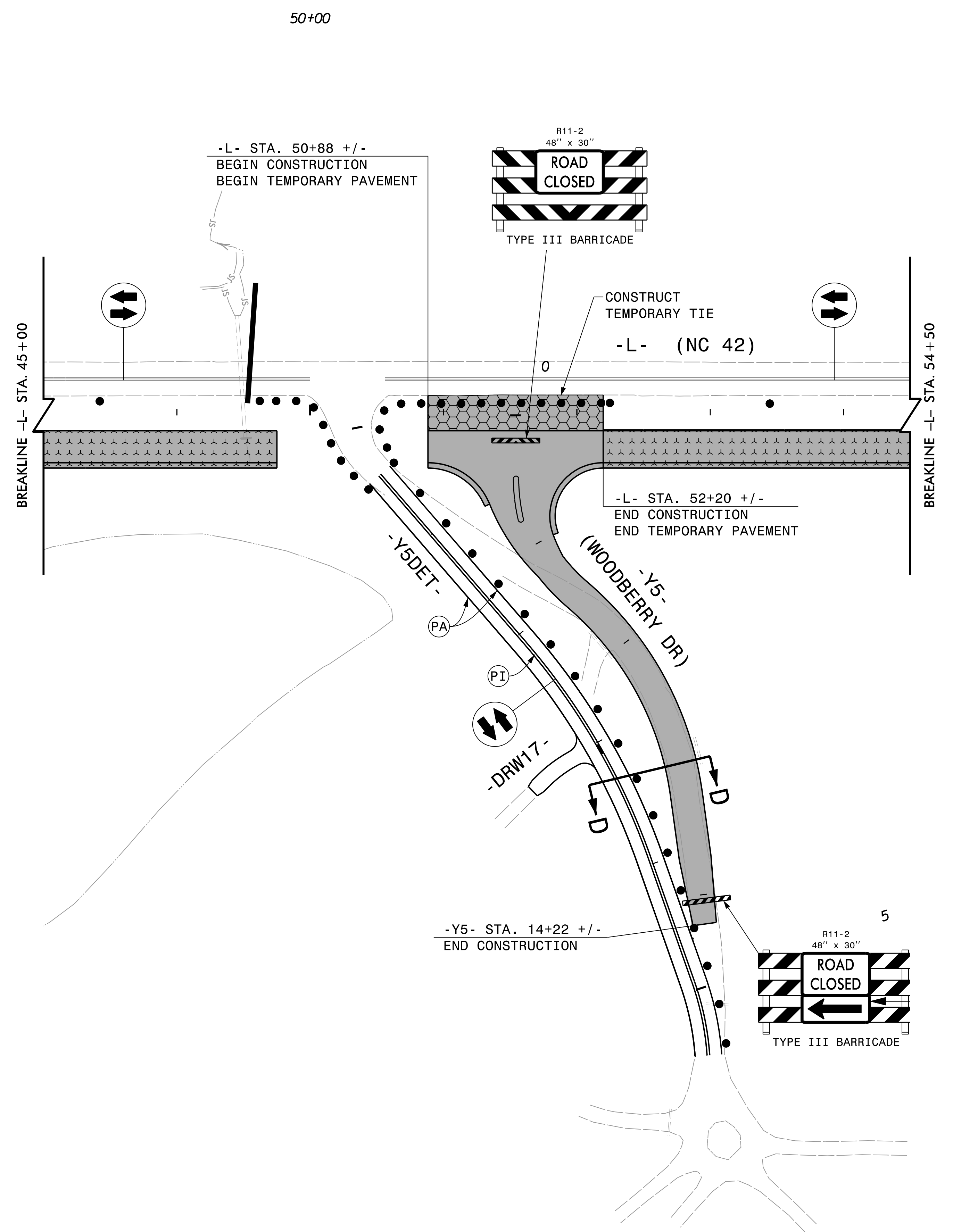
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: CHARNDEN  
 DATE: 4/1/2020  
 TIME: 1:31:14 PM  
 FILE: C:\Users\charnden\Desktop\Working Folder\R-3825B\R3825B\_TC\_TMP-41.dgn

APPROVED: *Michelle Ward*  
 DATE: 4/1/2020  
 SEAL  




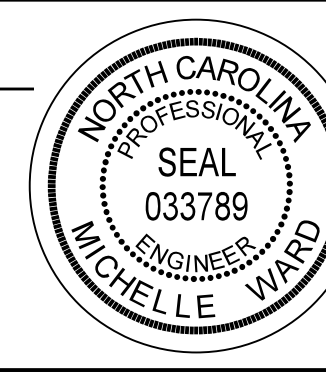
PHASE 1 - STEP 2

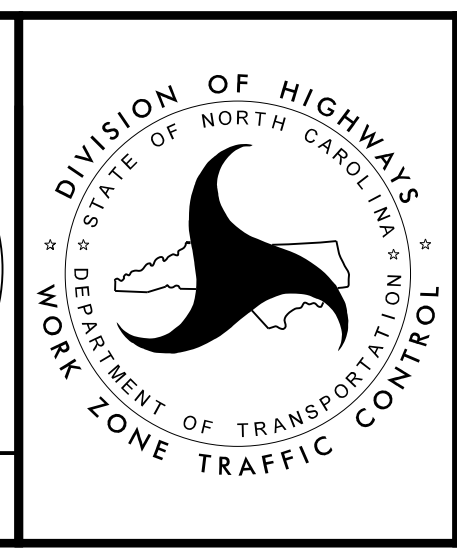
DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



REVISIONS

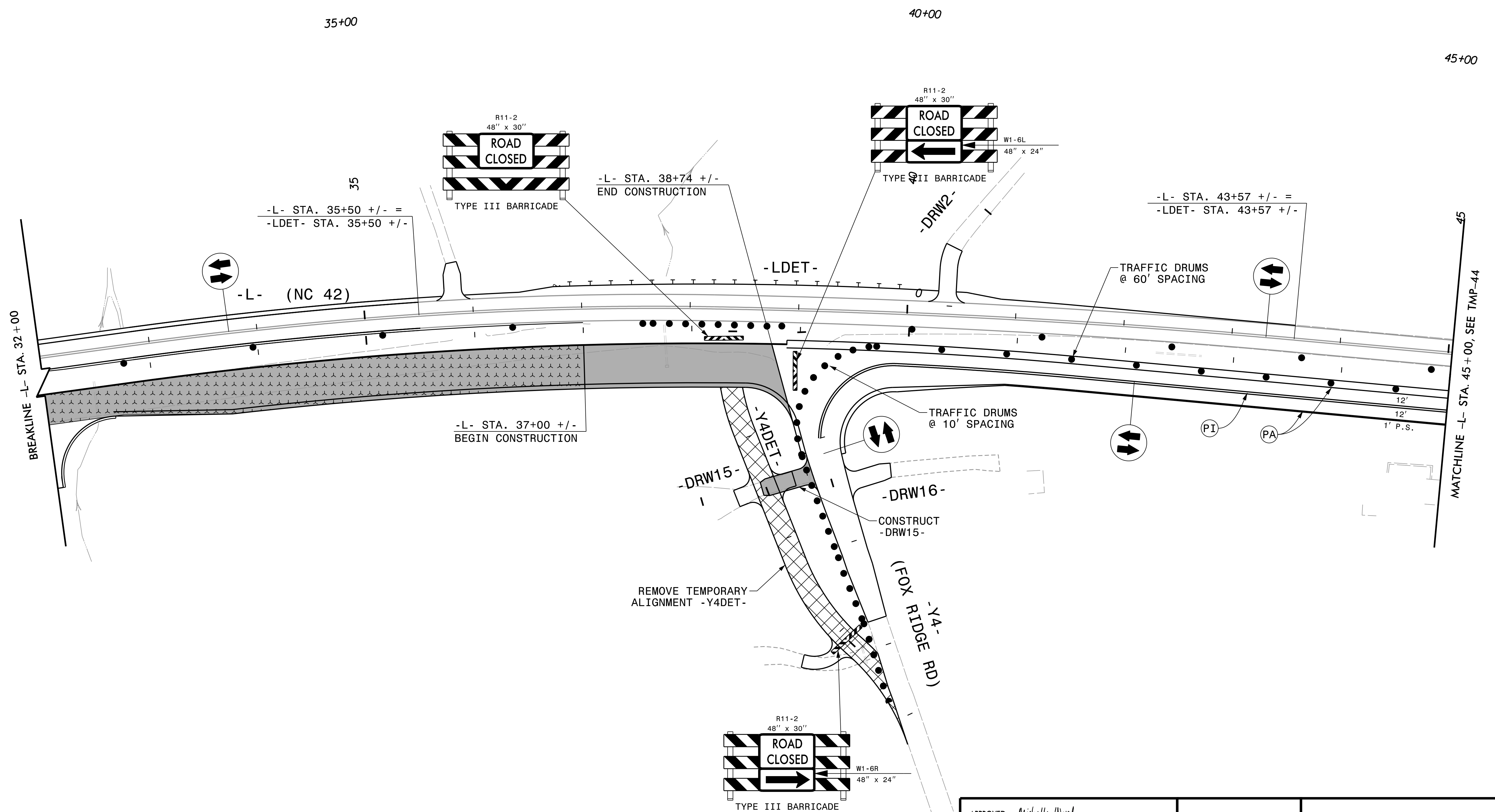
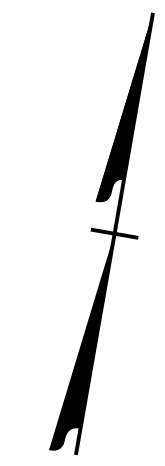
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:28:03 AM  
 FILE: p:\pwhdr\users\BSCOTT\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_TC\_TMP-42.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
 SEAL  




PHASE 1 - STEP 2A

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

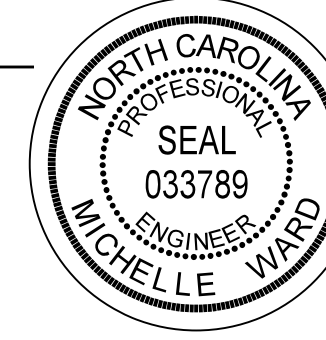


REVISIONS

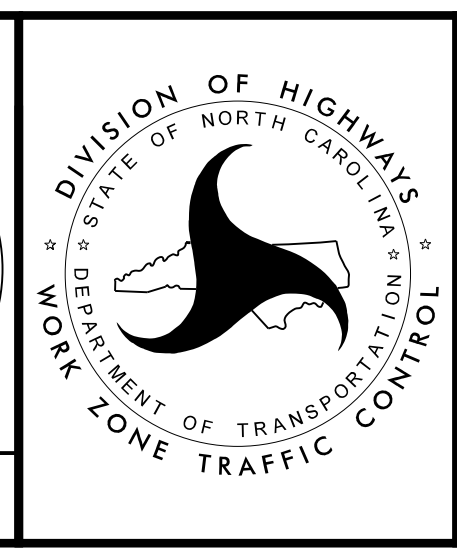
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:28:14 AM  
 FILE: p:\pwhdr\users\BSCOTT\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_Tc\_TMP-43.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018


SEAL

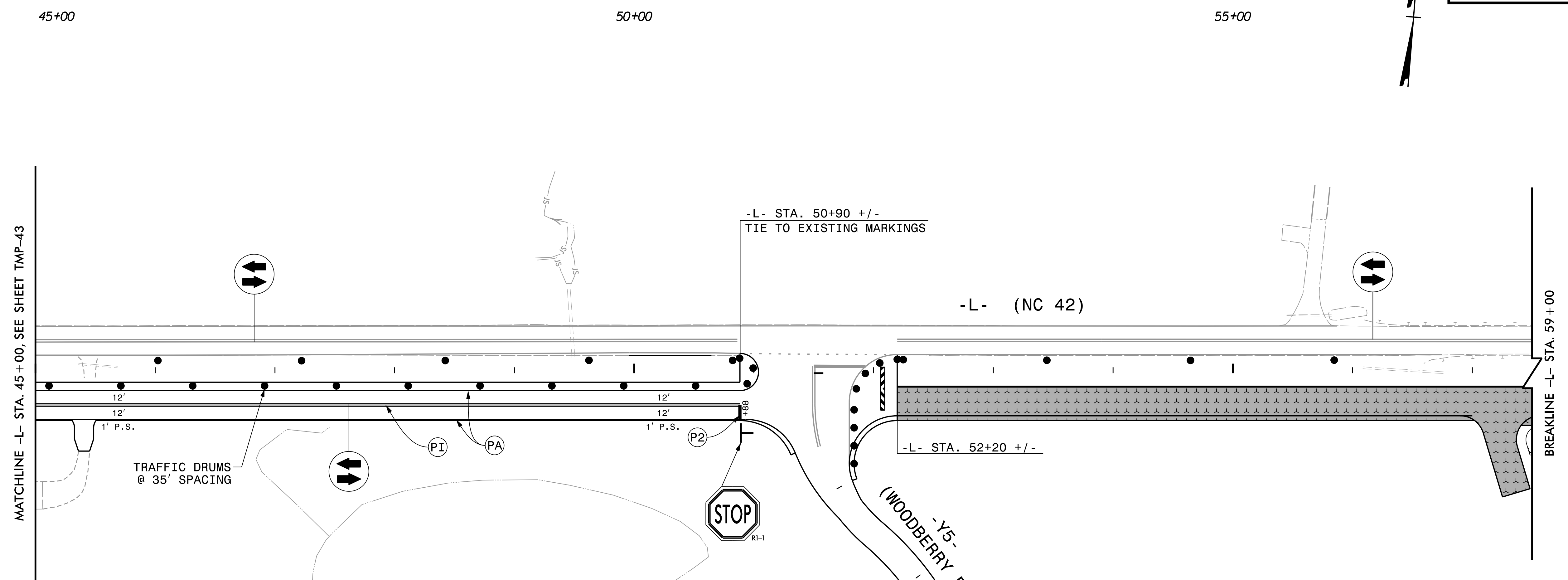


**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



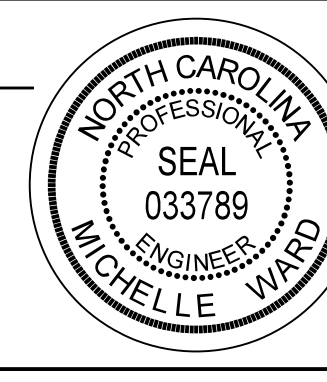
PHASE 1 - STEP 2B

|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-44 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |



REVISIONS

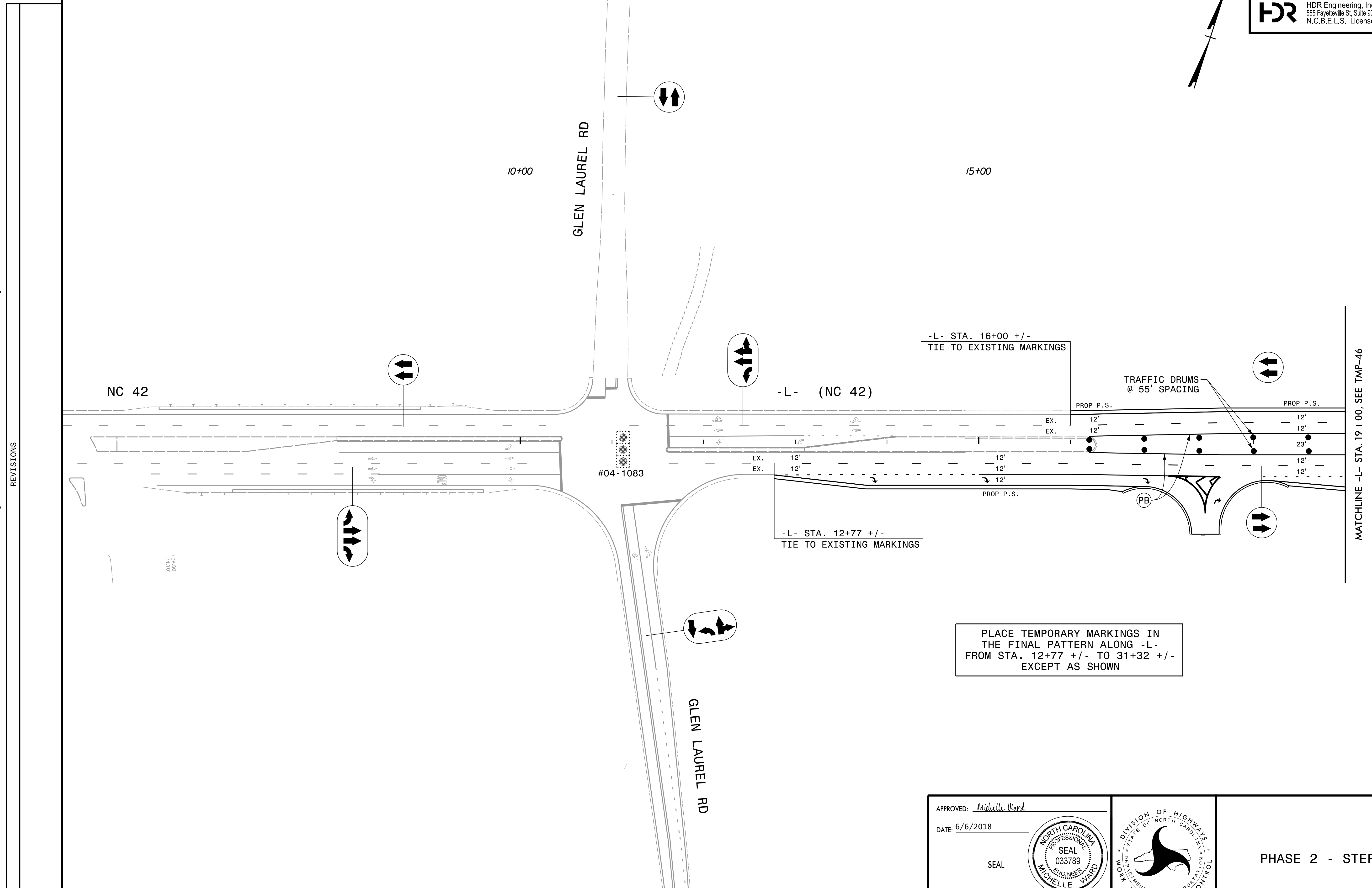
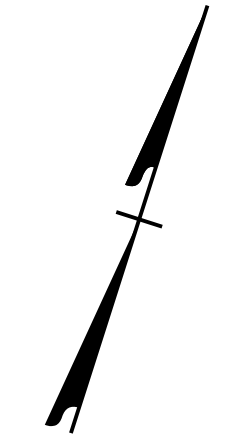
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:28:25 AM  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\_R3825B\_TC\_TMP-44.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
 SEAL  





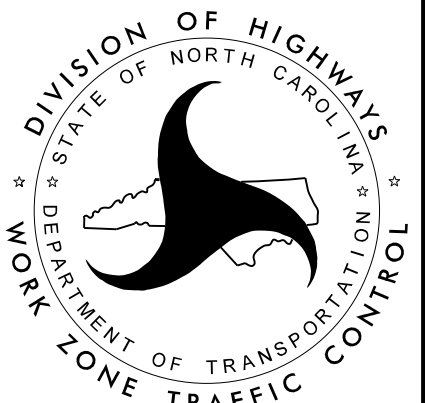
PHASE 1 - STEP 2B

DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



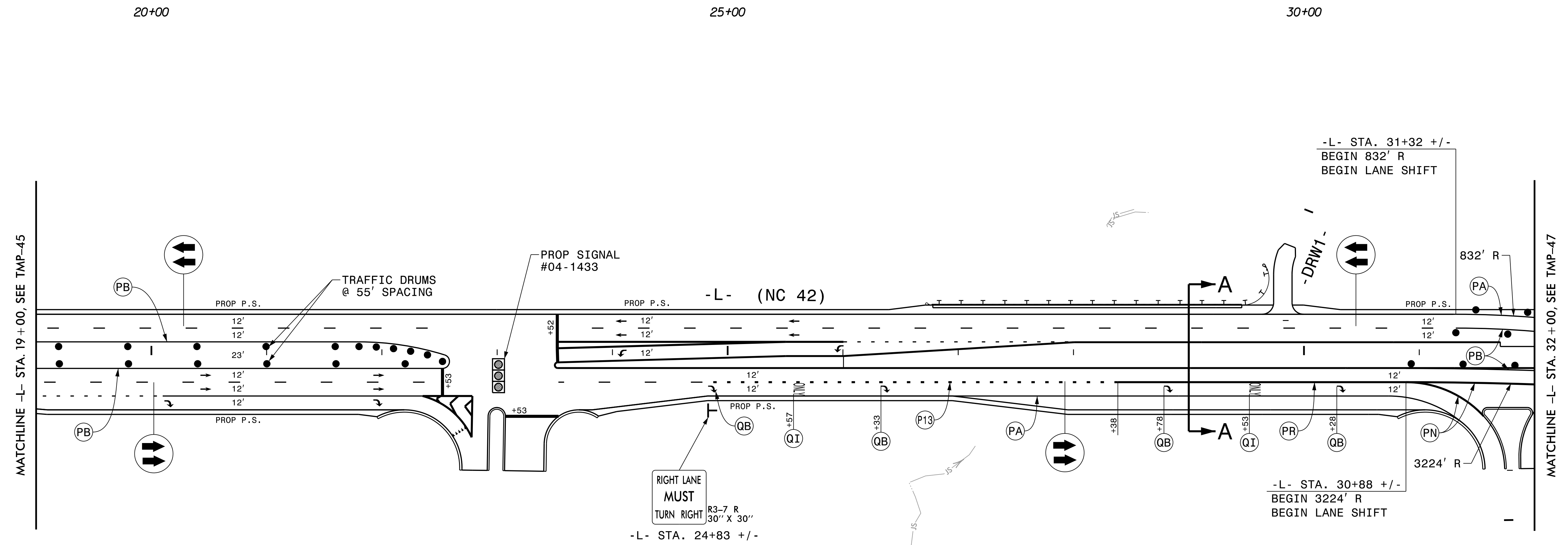
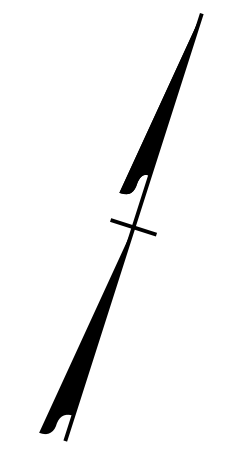
REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:28:40 AM  
 PENTABLE: NCDOT\_tcp.tbl  
 FILE: p:\pwhdr\users01\hdr\us\_east\_01\documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-45.dgn

|                                                                                                                                                       |                                                                                       |                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 6/6/2018<br><br>SEAL<br> |  | PHASE 2 - STEP 1 |
| DOCUMENT NOT CONSIDERED FINAL<br>UNLESS ALL SIGNATURES COMPLETED                                                                                      |                                                                                       |                  |



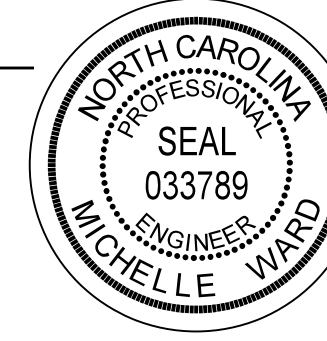

PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ALONG -L- FROM STA. 12+77 +/- TO 31+32 +/- EXCEPT AS SHOWN

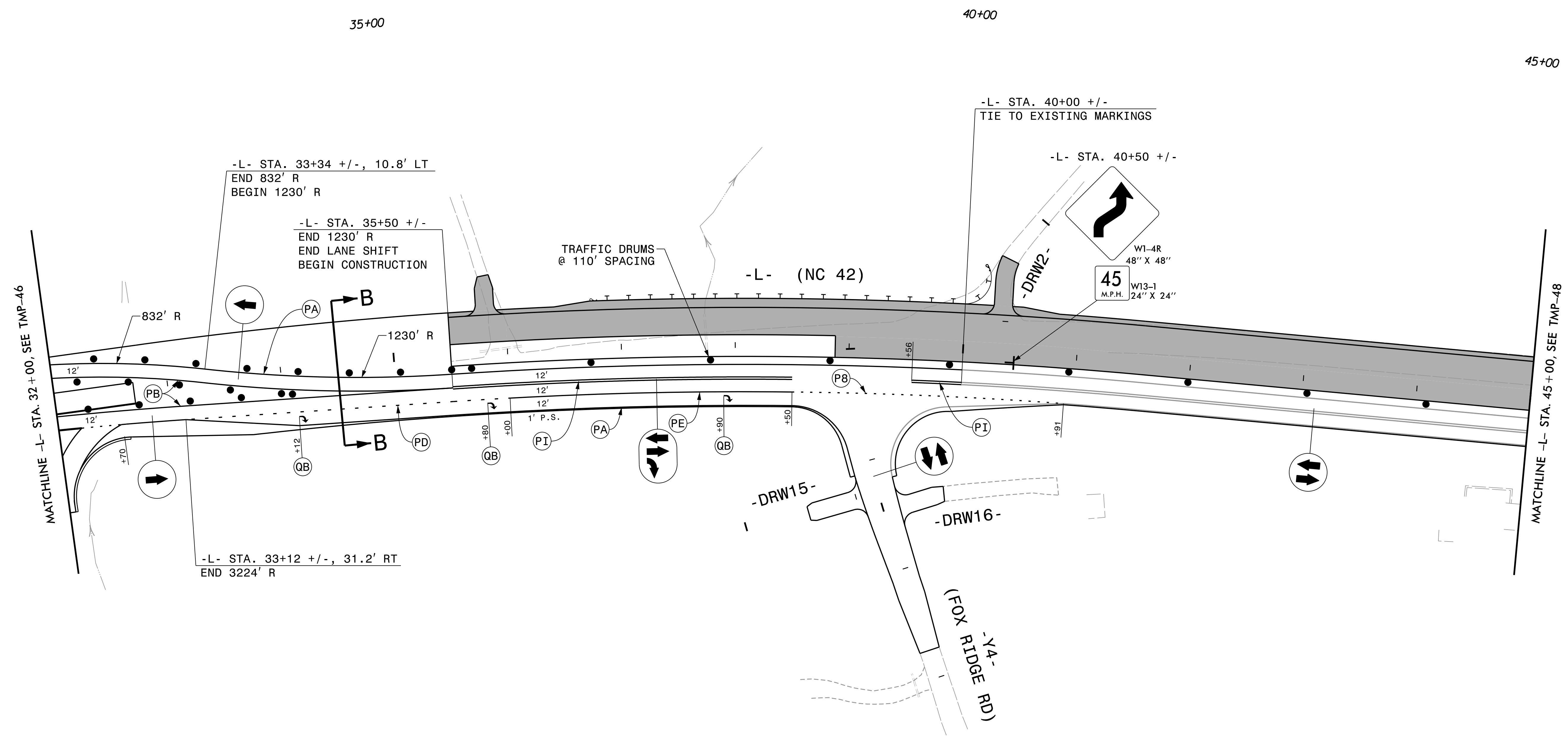
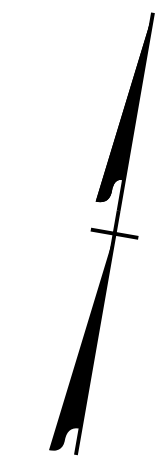


NOTE:  
SEE SHEET TMP-2B FOR CUT SECTION A-A

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:28:52 AM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\3825B\_TC\_TMP-46.dgn

REVISIONS

|                                                                                                                                                   |                                                                                       |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 6/6/2018<br>SEAL<br> |  | PHASE 2 - STEP 1 |
| <p style="text-align: center;"><b>DOCUMENT NOT CONSIDERED FINAL<br/>UNLESS ALL SIGNATURES COMPLETED</b></p>                                       |                                                                                       |                  |



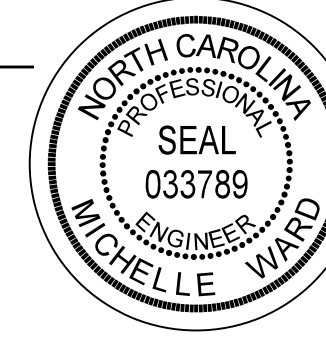
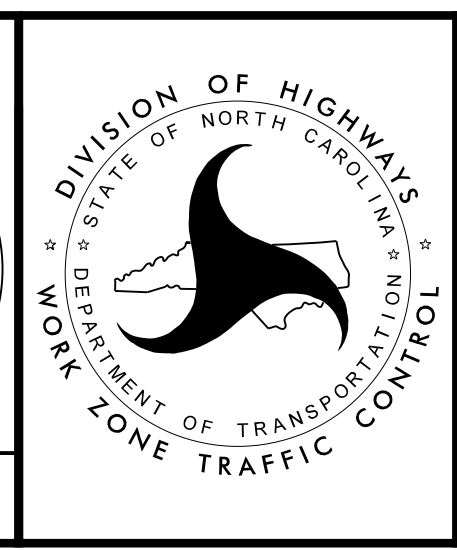
REVISIONS

NOTE:  
SEE SHEET TMP-2B FOR CUT SECTION B-B

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:29:05 AM  
 FILE: p:\pwhdr\users\BSCOTT\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-47.dgn


APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

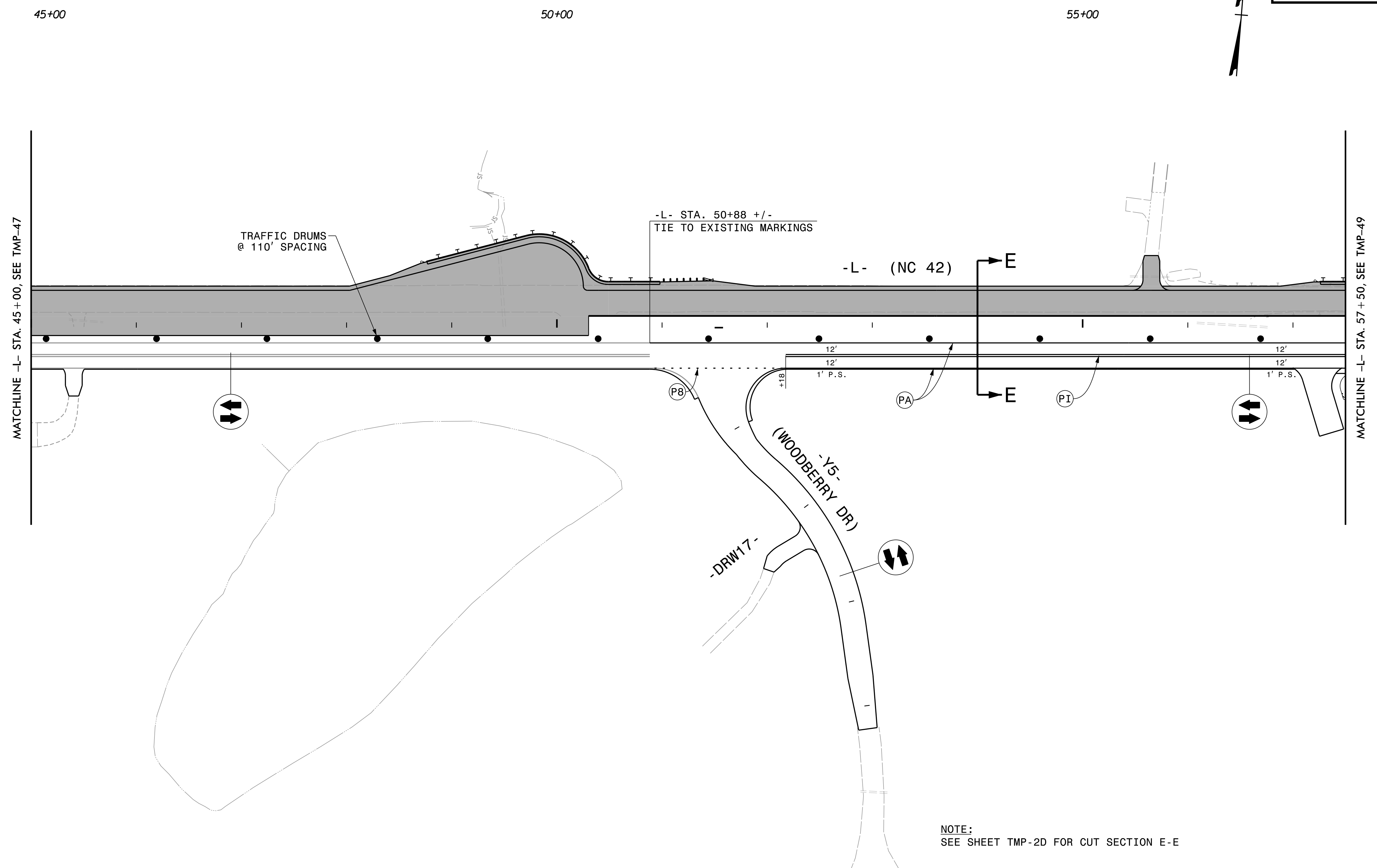
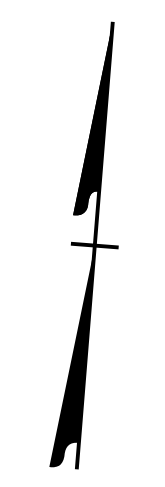
SEAL

PHASE 2 - STEP 1

DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-48 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |



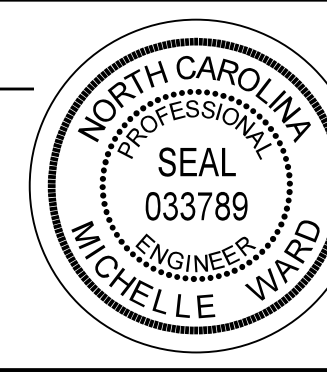
REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:29:21 AM  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_TC\_TMP-48.dgn

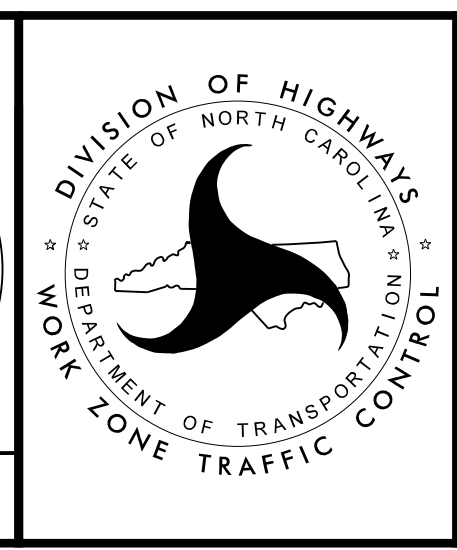
NOTE:  
SEE SHEET TMP-2D FOR CUT SECTION E-E

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL



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



PHASE 2 - STEP 1

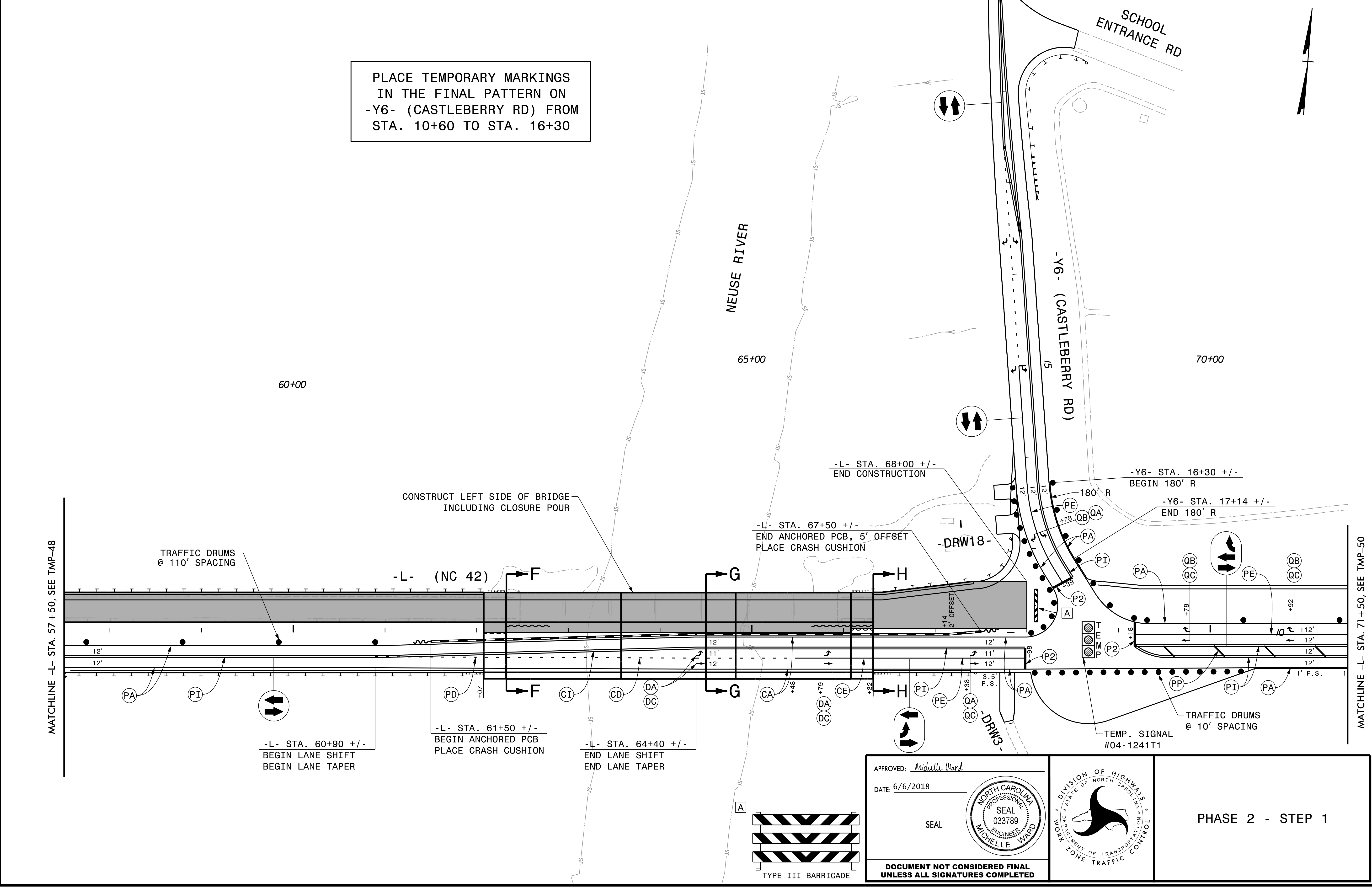
**NOTES:**  
 1. SEE SHEET TMP-2E FOR CUT SECTION F-F.  
 2. SEE SHEET TMP-2E FOR CUT SECTION G-G.  
 3. SEE SHEET TMP-2F FOR CUT SECTION H-H.

PLACE TEMPORARY MARKINGS  
 IN THE FINAL PATTERN ON  
 -Y6- (CASTLEBERRY RD) FROM  
 STA. 10+60 TO STA. 16+30

-Y6- STA. 10+60 +/-  
 TIE TO EXISTING MARKINGS

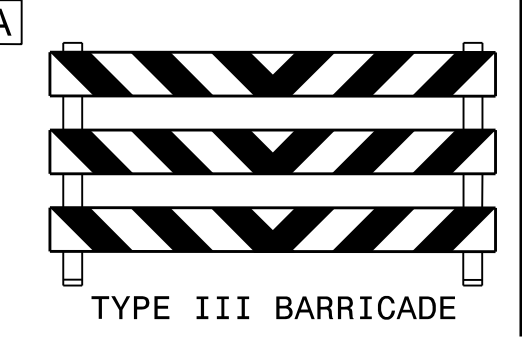
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:29:33 AM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\In\_Progress\Traffic\TrafficControl\TCP\R3825B\_TC\_TMP-49.dgn

REVISIONS



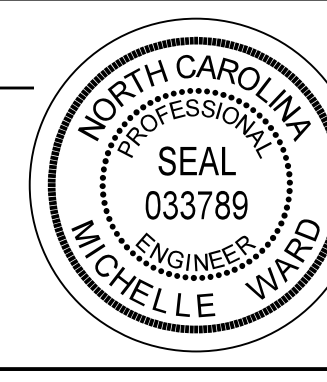
MATCHLINE -L- STA. 57+50, SEE TMP-48

MATCHLINE -L- STA. 71+50, SEE TMP-50

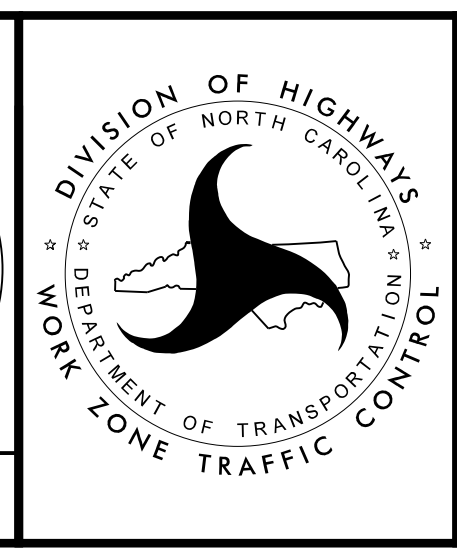


APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

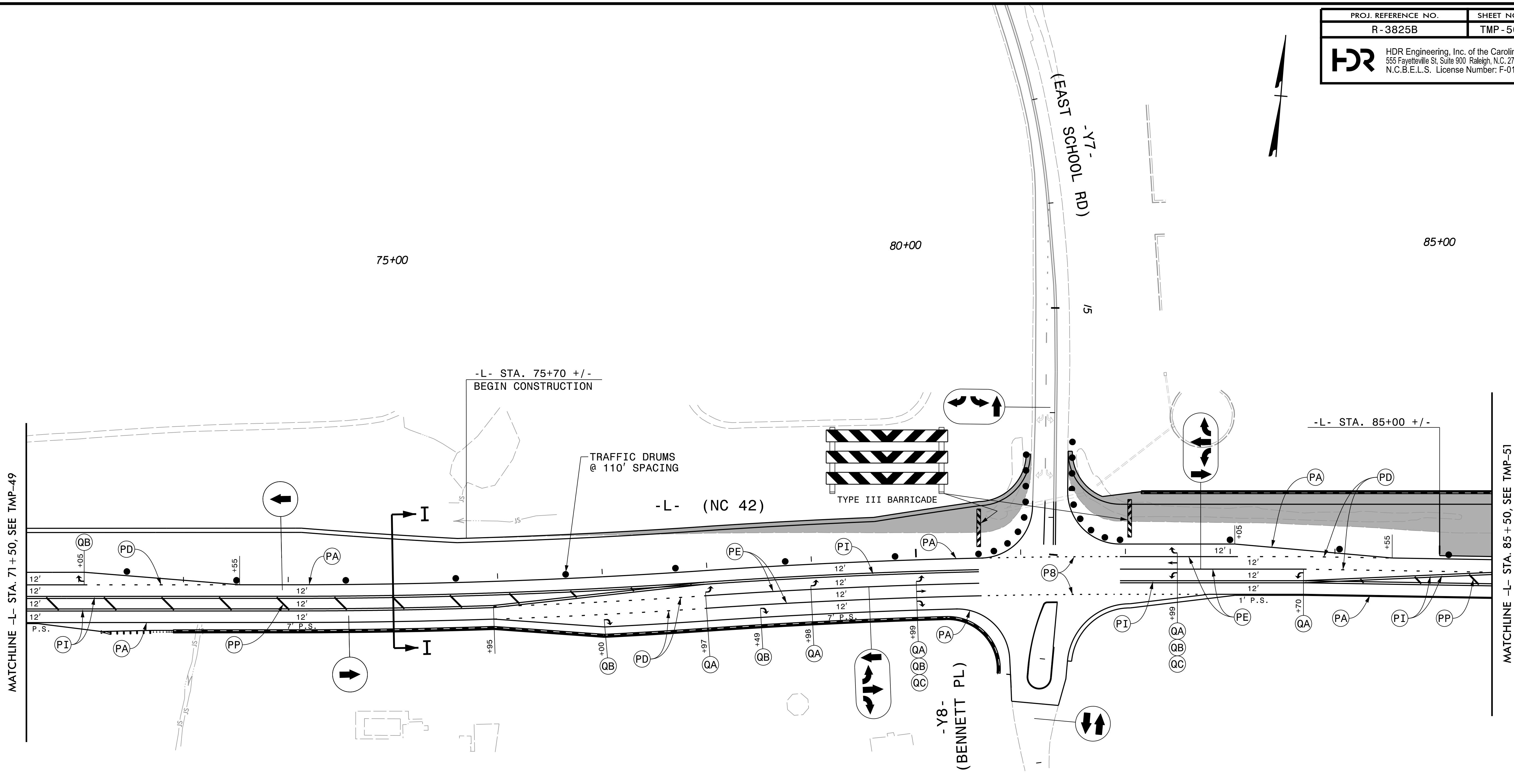
SEAL



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 UNLESS ALL SIGNATURES COMPLETED**



PHASE 2 - STEP 1



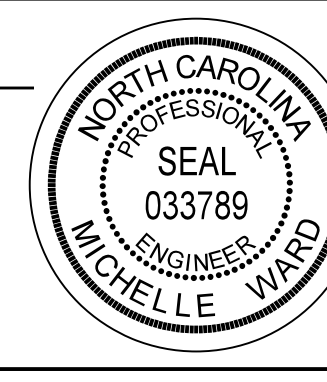
REVISIONS

NOTE:  
SEE SHEET TMP-2F FOR CUT SECTION I-I

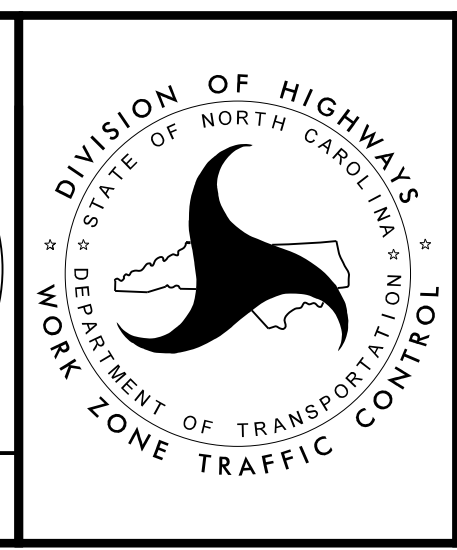
PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:29:46 AM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_TC\_TMP-50.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL



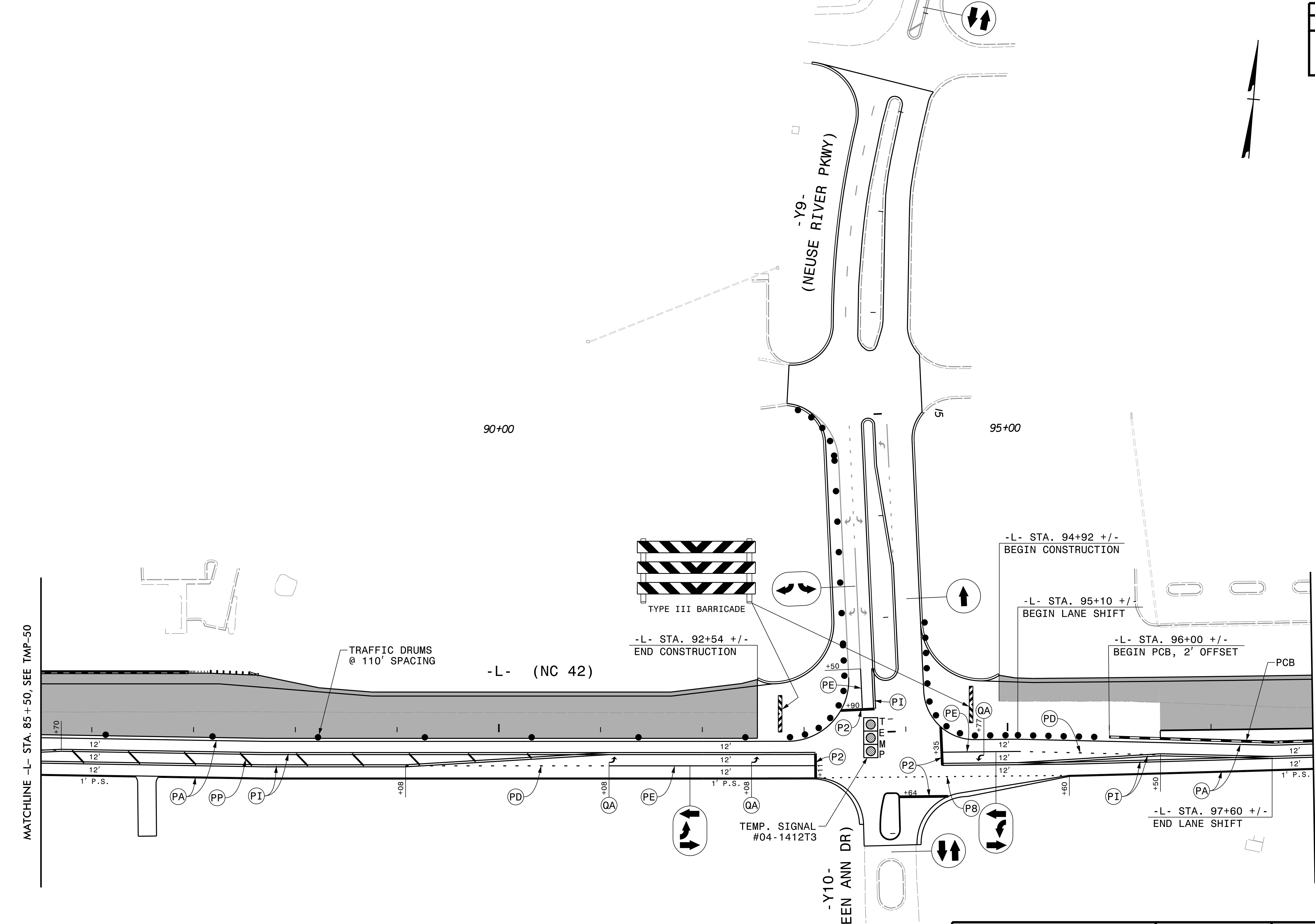
**DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED**



PHASE 2 - STEP 1

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:30:01 AM  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\R3825B\_TC\_TMP-51.dgn

### REVISIONS



APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

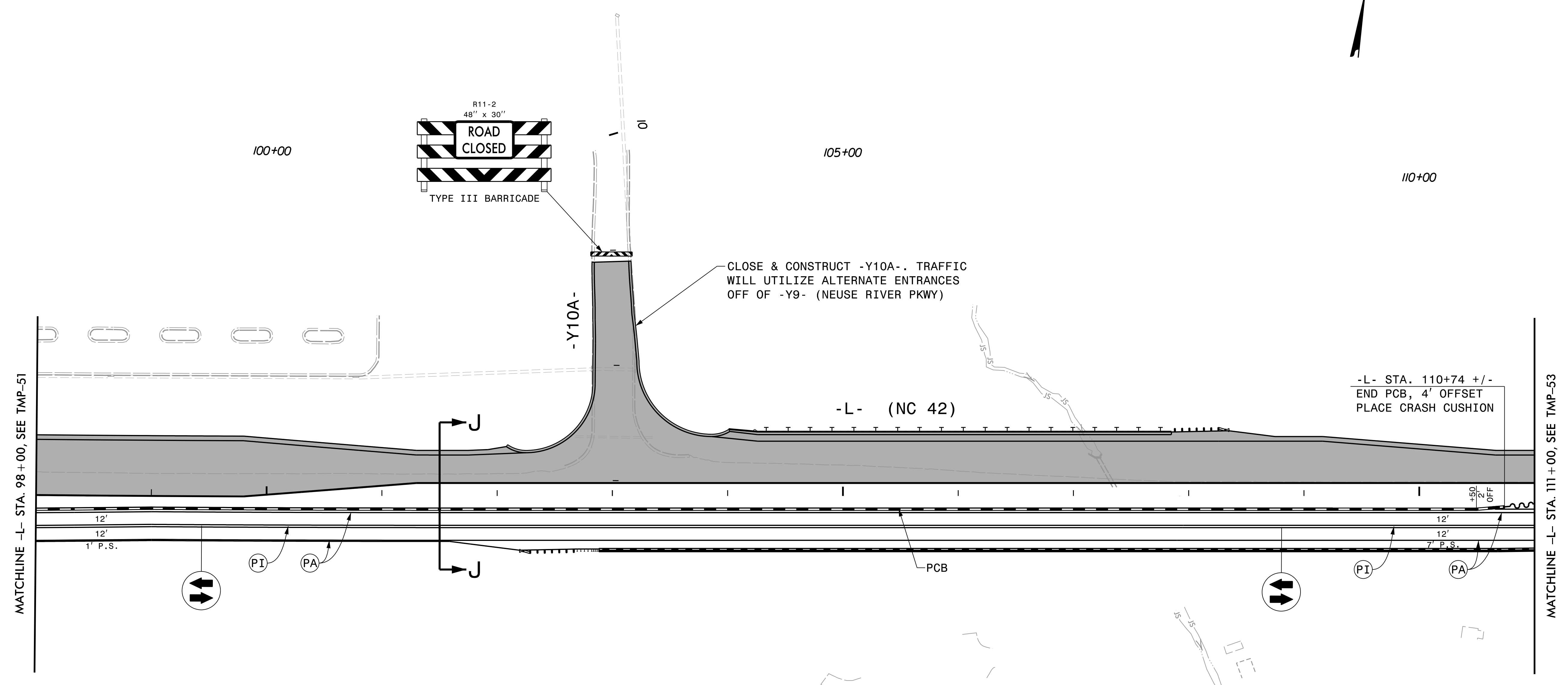
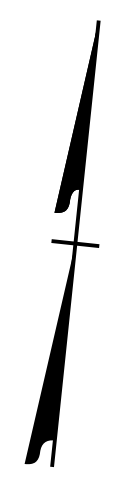
SEAL

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

**DEPARTMENT OF TRANSPORTATION  
STATE OF NORTH CAROLINA**

WORK ZONE TRAFFIC CONTROL

**PHASE 2 - STEP 1**



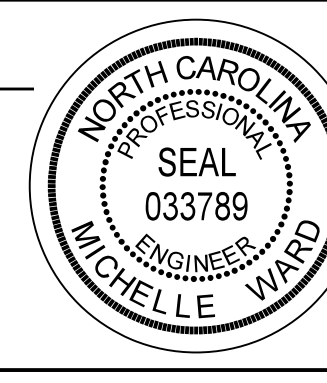
REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
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 TIME: 11:30:14 AM  
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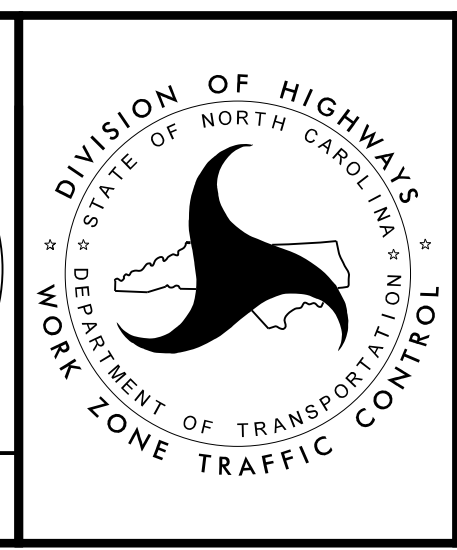
NOTE:  
SEE SHEET TMP-2G FOR CUT SECTION J-J

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

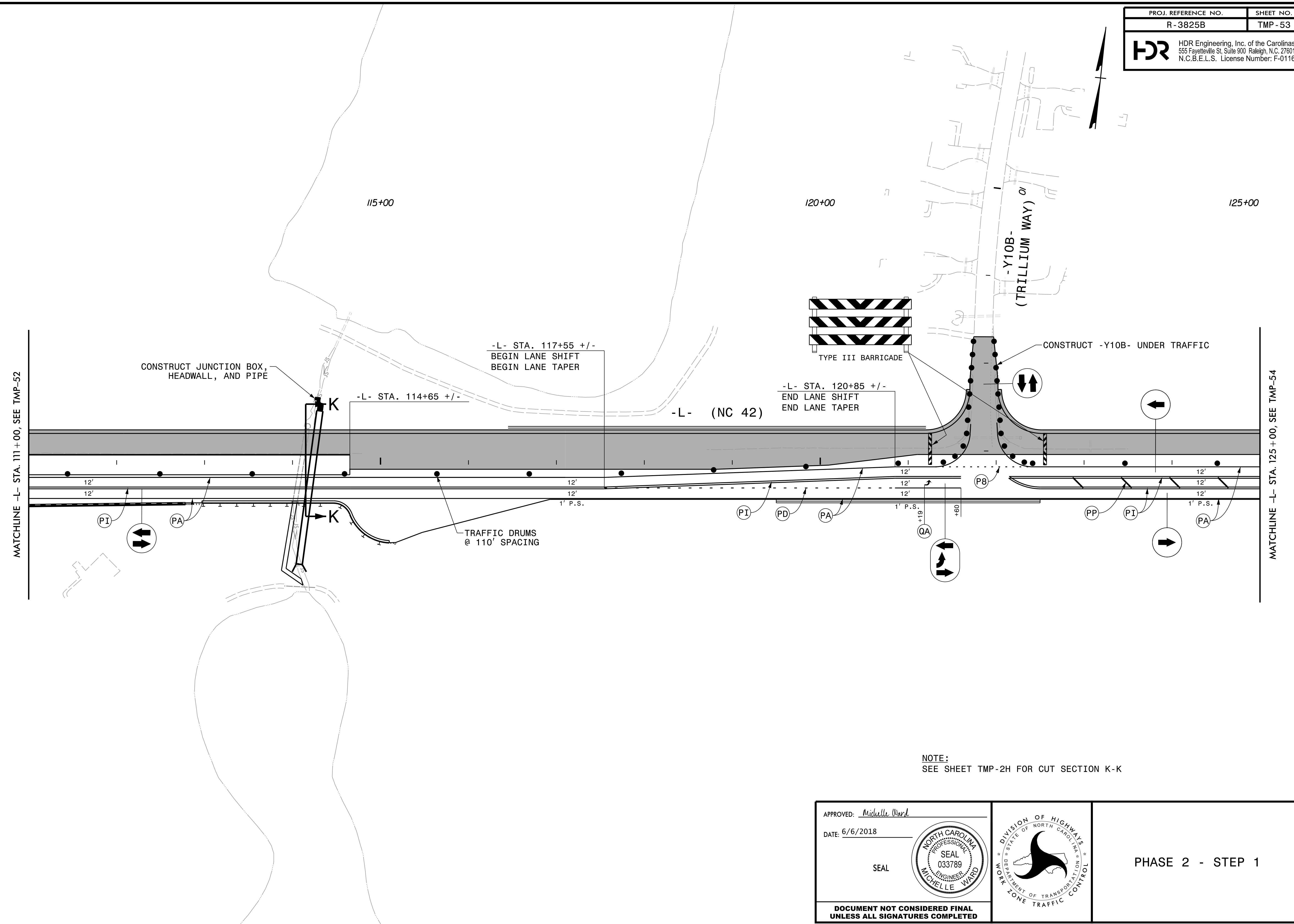
SEAL



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



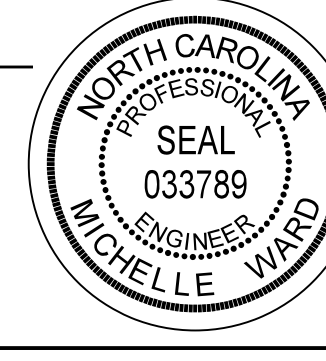

PHASE 2 - STEP 1



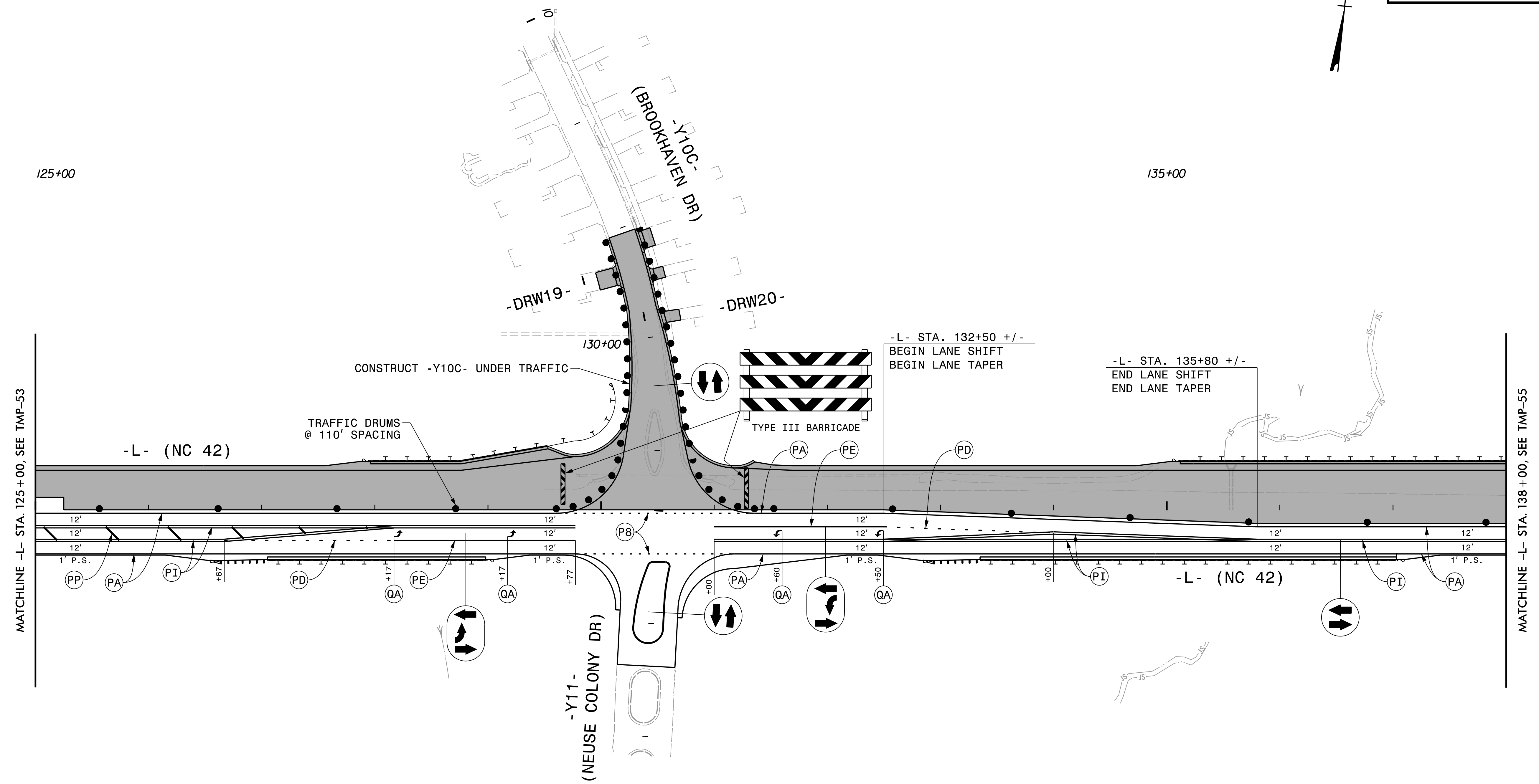
REVISIONS

NOTE:  
SEE SHEET TMP-2H FOR CUT SECTION K-K

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:30:27 AM  
 FILE: p:\pvhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0-CAD-BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_TC\_TMP-53.dgn

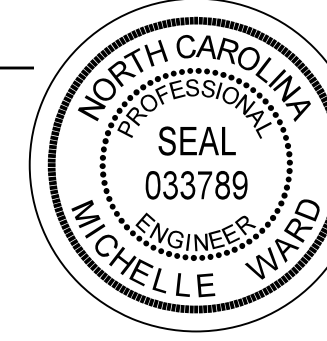
|                                                                                                                                                       |                                                                                       |                                                            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------------------------|
| APPROVED: <i>Michelle Ward</i><br>DATE: 6/6/2018<br><br>SEAL<br> |  | <p style="text-align: center;"><b>PHASE 2 - STEP 1</b></p> |
| <p><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>                                                                           |                                                                                       |                                                            |

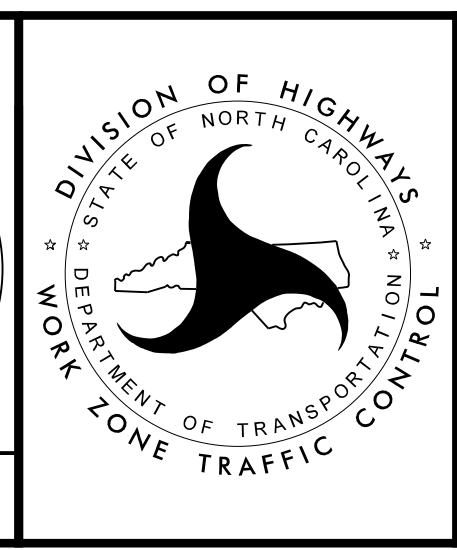




REVISIONS


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 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:30:42 AM  
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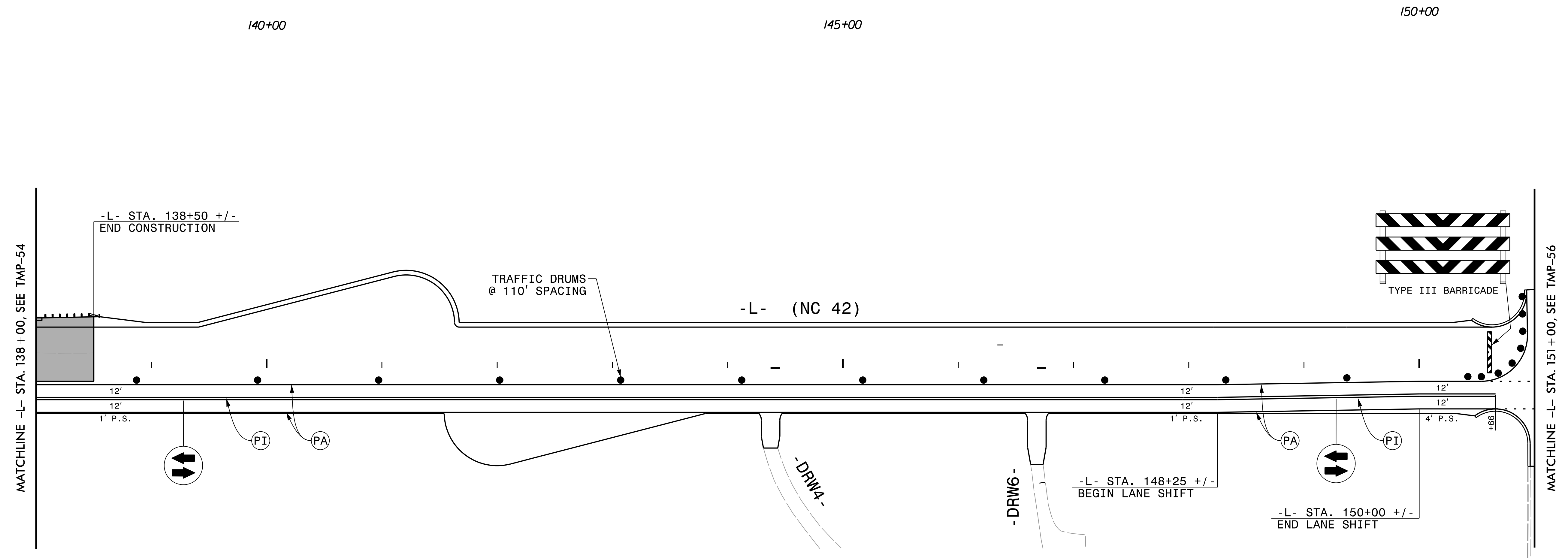
APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
 SEAL  




PHASE 2 - STEP 1

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|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-55 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |

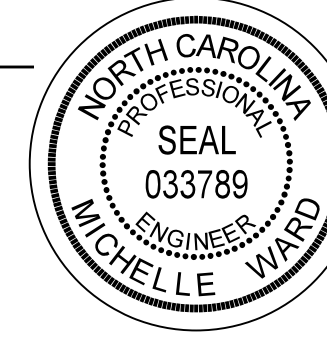


REVISIONS

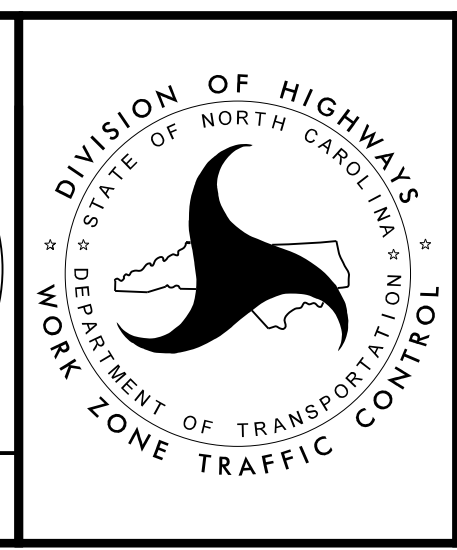
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 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:30:56 AM  
 PENTABLE: NCDOT\_tcp.tbl  
 FILE: p:\p\h\dr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-55.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

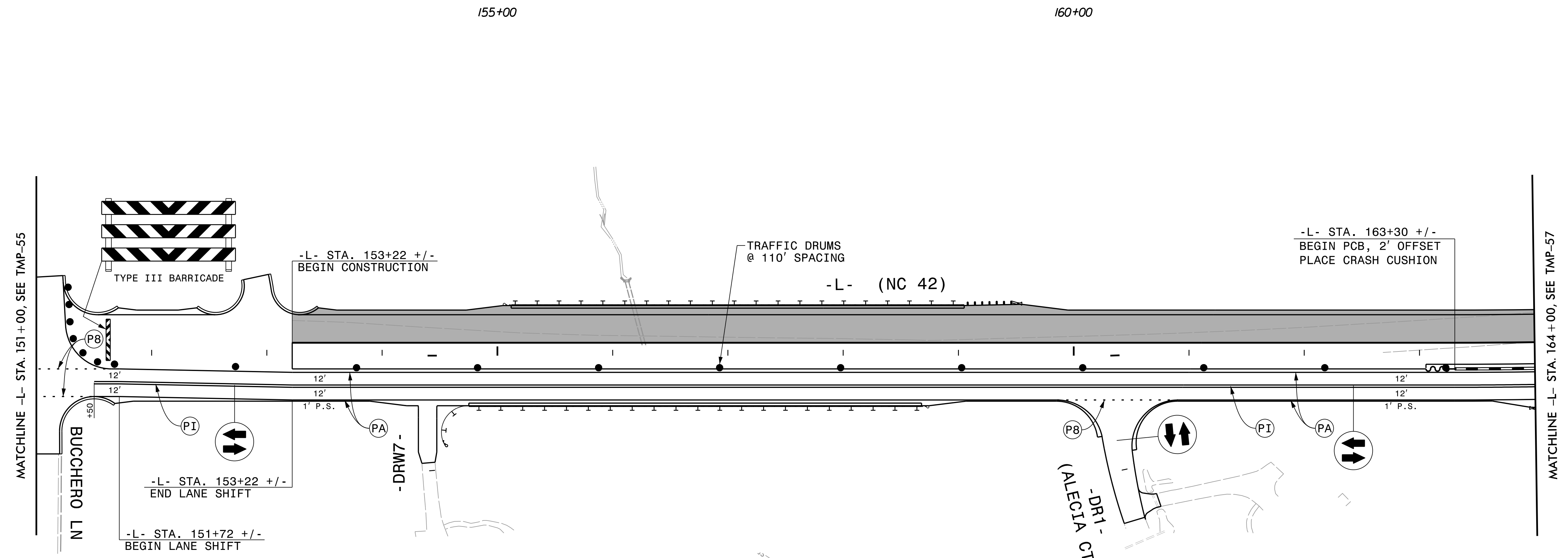
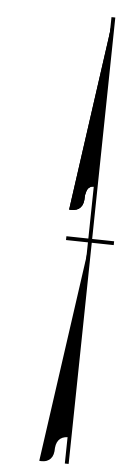
SEAL



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UNLESS ALL SIGNATURES COMPLETED**

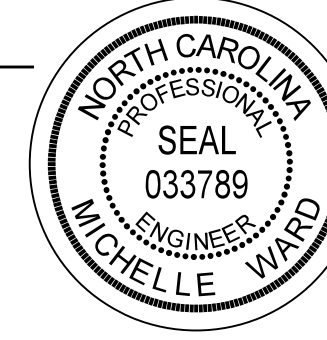


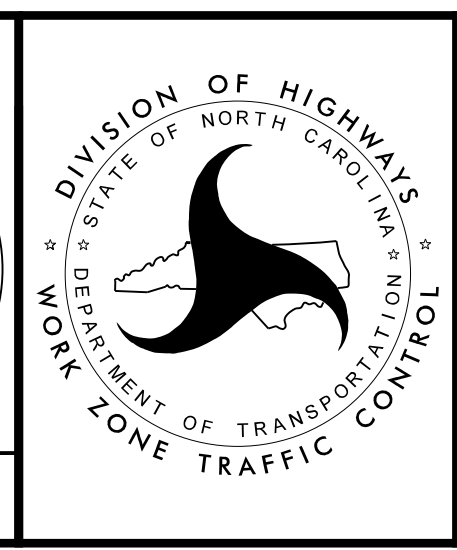
PHASE 2 - STEP 1



REVISIONS

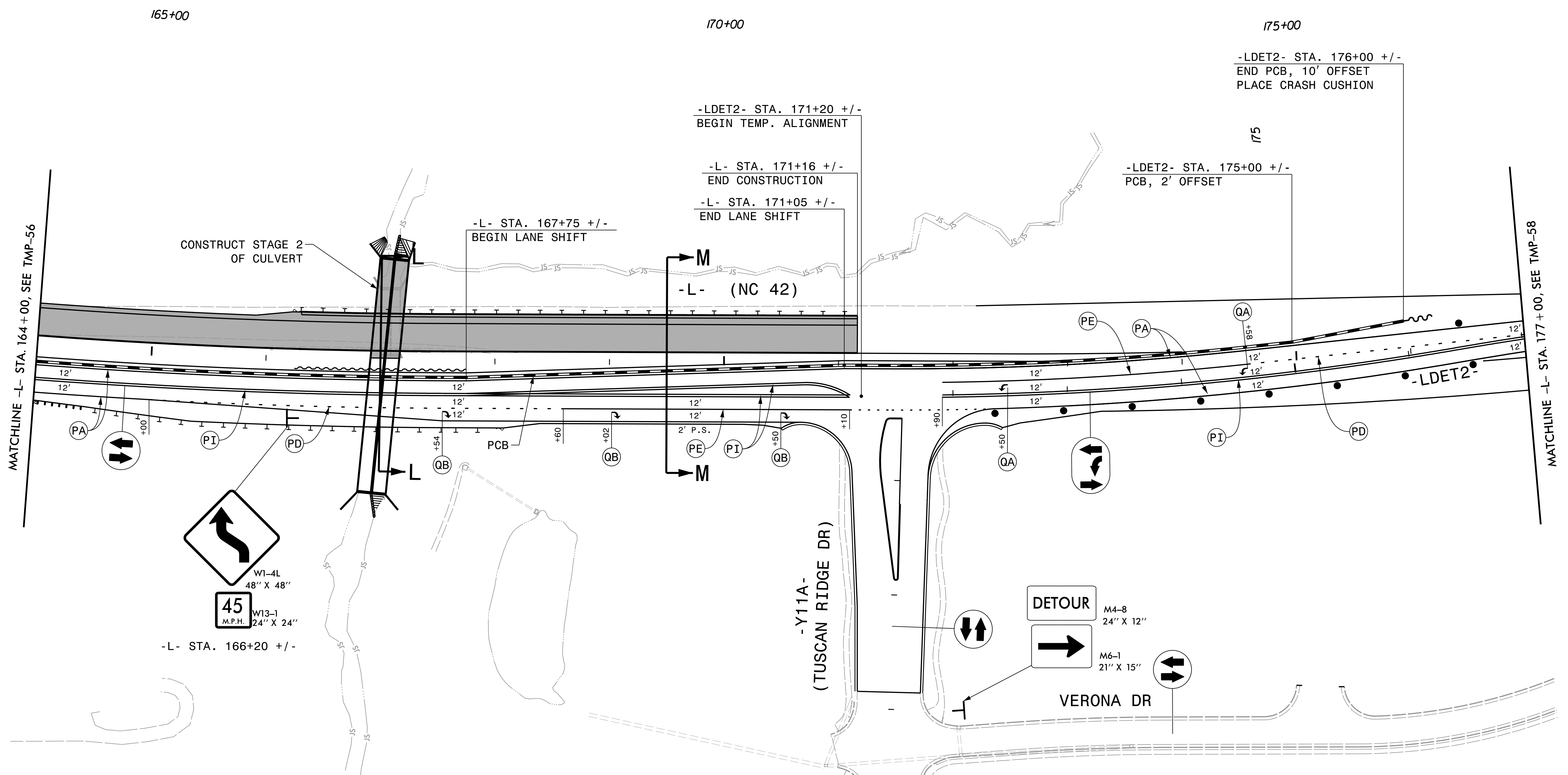
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 DATE: 6/5/2018  
 TIME: 11:31:09 AM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-56.dgn

APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
 SEAL  




PHASE 2 - STEP 1

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REVISIONS

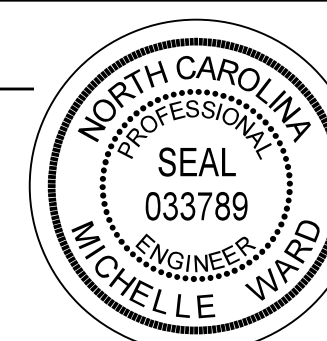
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 DATE: 8/19/2018  
 TIME: 6:39:47 PM  
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-L- STA. 166+20 +/-

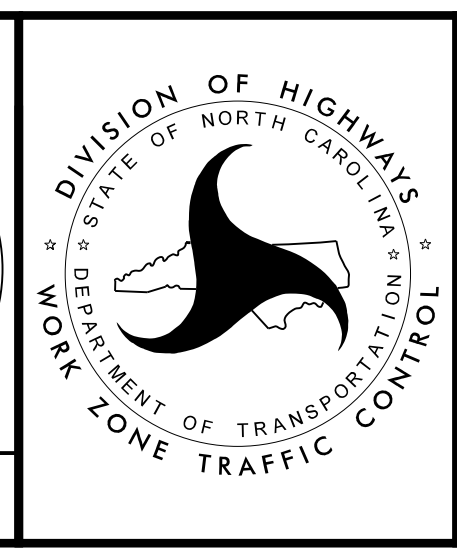
**NOTES:**  
 1. SEE SHEET TMP-2I FOR CUT SECTION L-L.  
 2. SEE SHEET TMP-2J FOR CUT SECTION M-M.

APPROVED: *Michelle Ward*  
 DATE: 8/19/2018

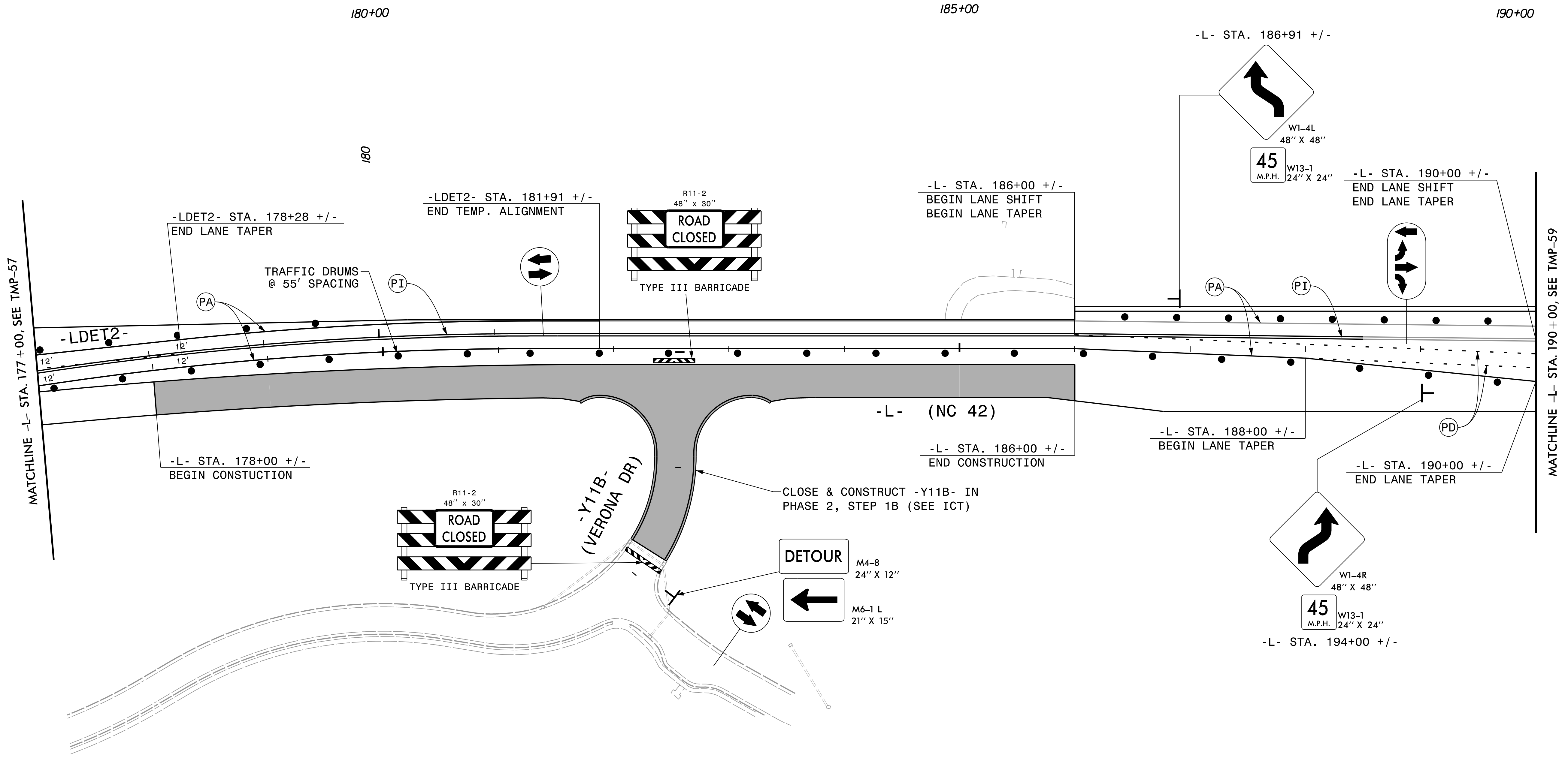
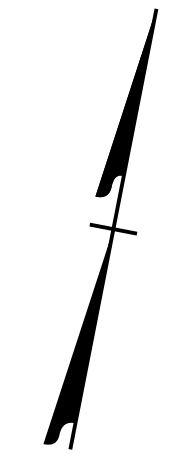
SEAL



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

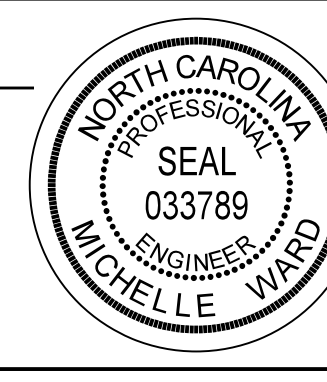


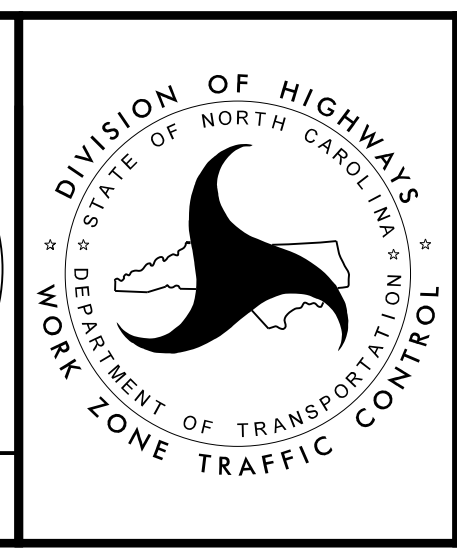
PHASE 2 - STEP 1



REVISIONS


PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 8/19/2018  
 TIME: 6:43:56 PM  
 FILE: p:\pwhdr\users\01\HDR\_US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_TC\_TMP-58.dgn

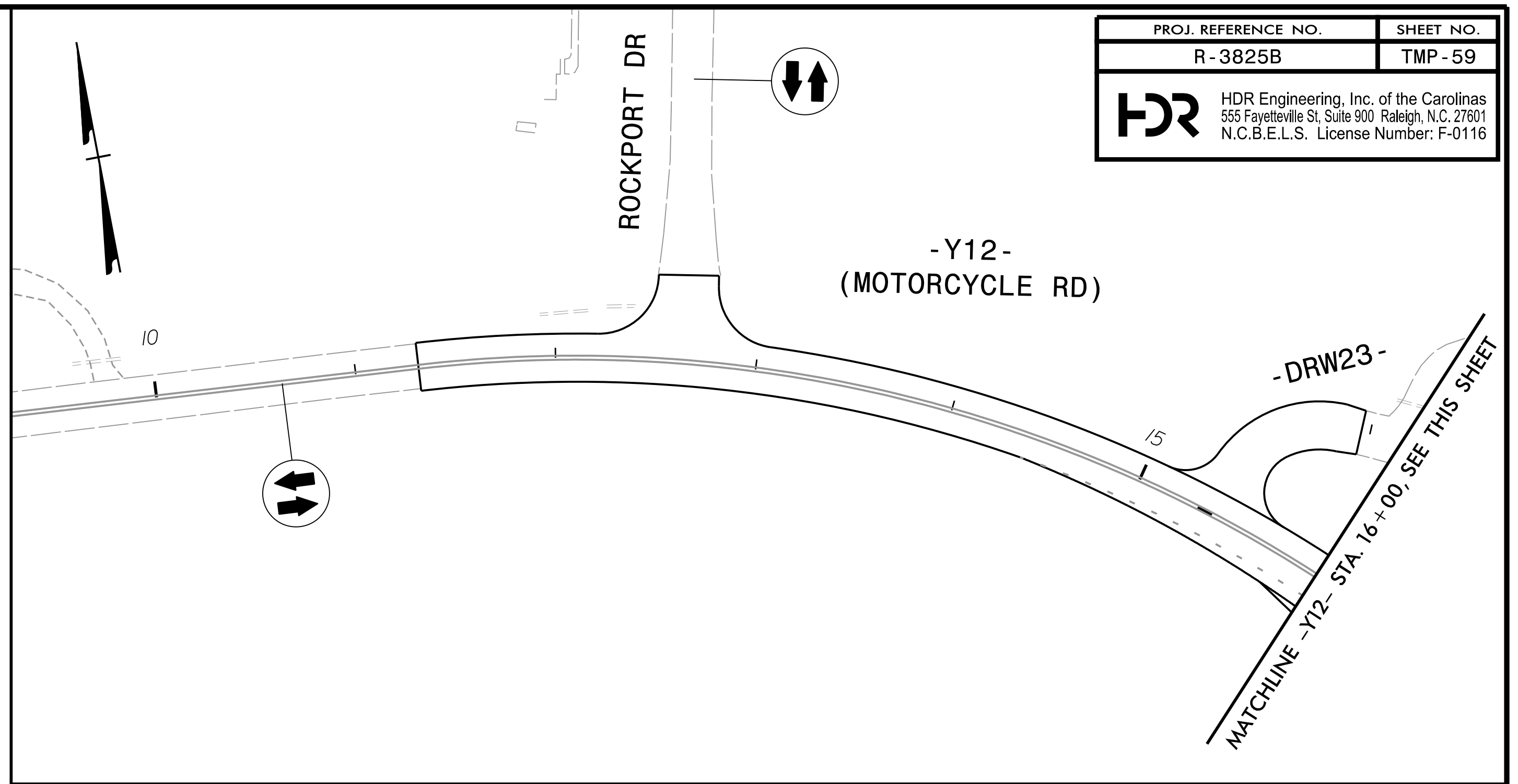
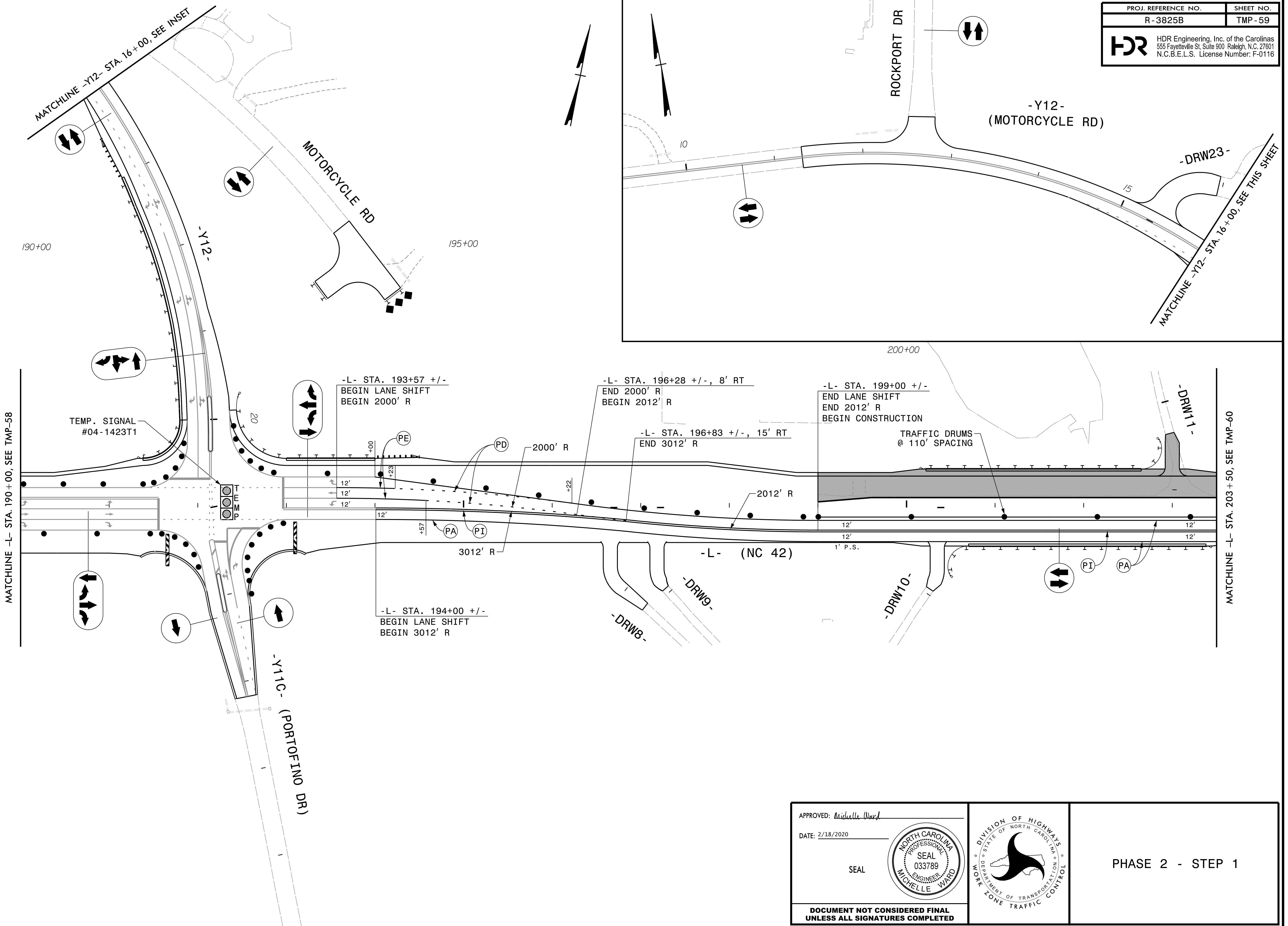
APPROVED: *Michelle Ward*  
 DATE: 8/19/2018  
 SEAL  




PHASE 2 - STEP 1

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|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-59 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |



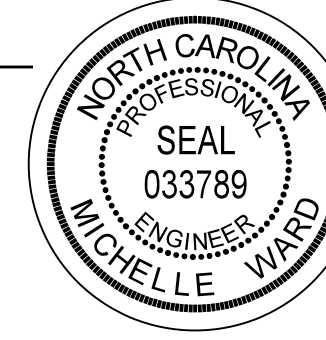
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 USER: CHARNDEN  
 DATE: 2/5/2020  
 TIME: 11:20:07 AM  
 FILE: p:\pwhdr\users\charnden\0001376\0001376\CAD\BIM\6\_2\_Work\In\_Progress\TrafficControl\TCP\R3825B\_TC\_TMP-59.dgn

**REVISIONS**  
 2/4/2020: REVISED TEMPORARY MARKING ON -Y11C- (PORTOFINO DR) TO ADD ADDITIONAL LANE.

APPROVED: *Michelle Ward*

DATE: 2/18/2020


SEAL

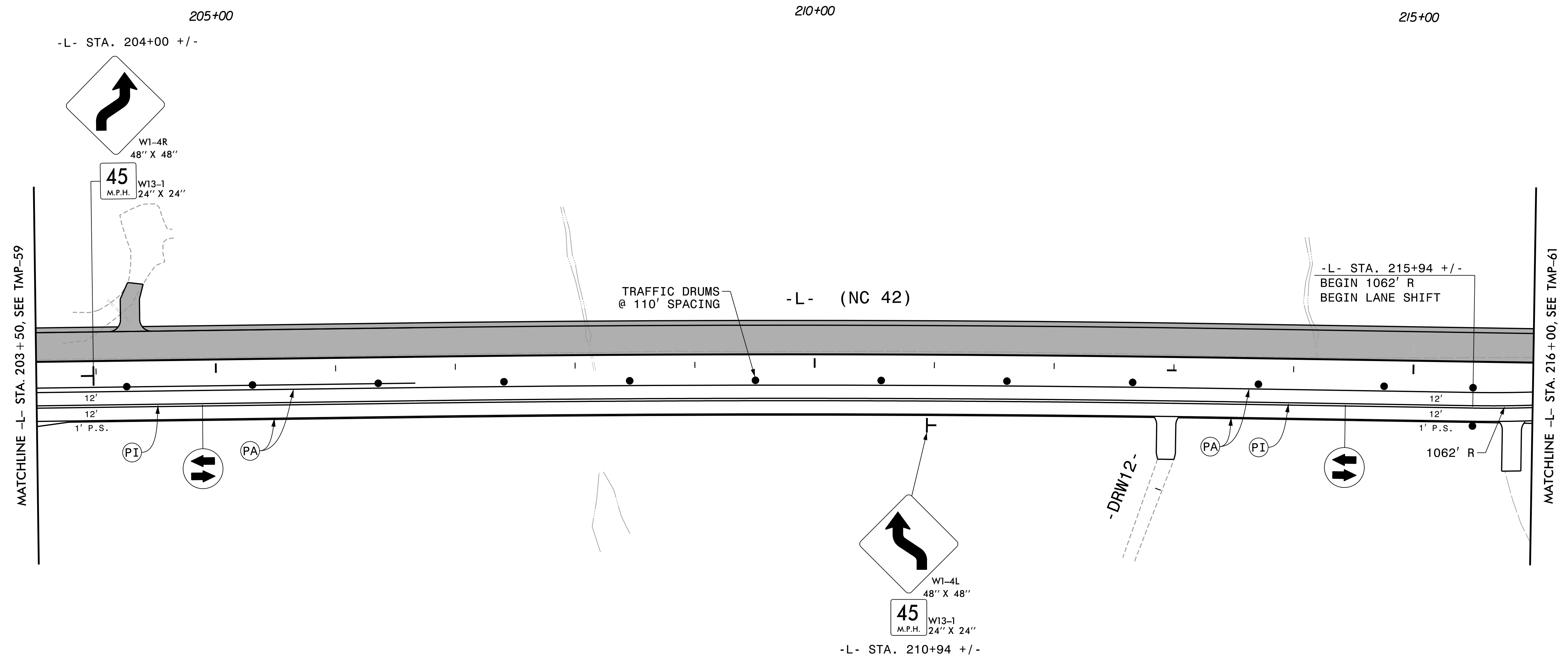
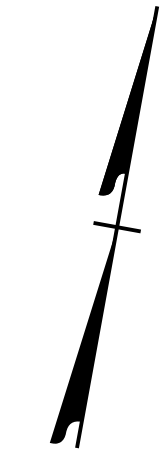


DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED



PHASE 2 - STEP 1

|                                                                                                                                                                                                                         |                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-60 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |



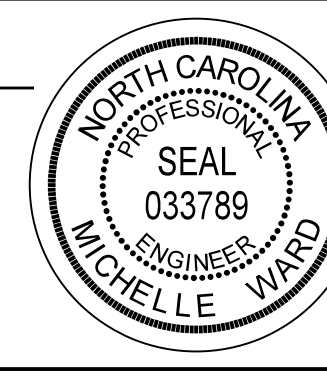
REVISIONS

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 USER: BSCOTT  
 DATE: 8/19/2018  
 TIME: 6:40:19 PM  
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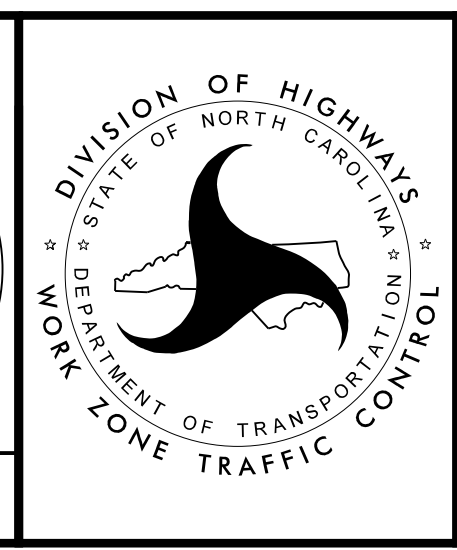
APPROVED: *Michelle Ward*

DATE: 8/19/2018

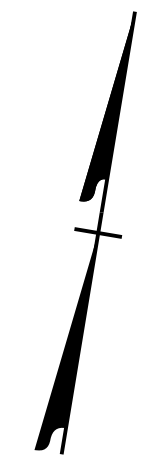
SEAL



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

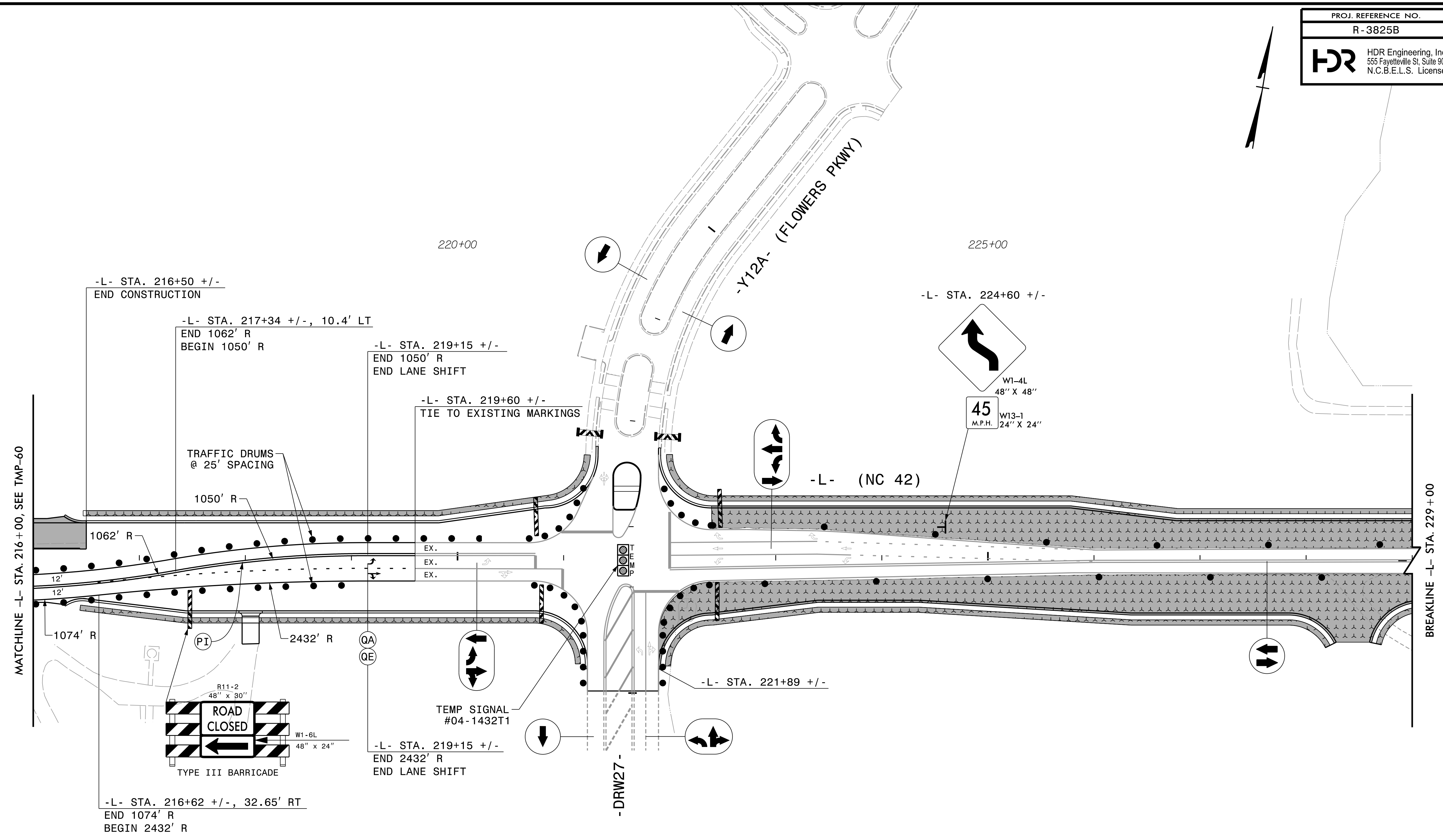


PHASE 2 - STEP 1



REVISIONS  
 04/01/2020: REVISED -Y12A- (FLOWERS PKWY) / -DRW27- / -L- (NC 42) INTERSECTION TO PROVIDE MARKING AND TEMPORARY SIGNAL FOR OPENING OF -DRW27-.

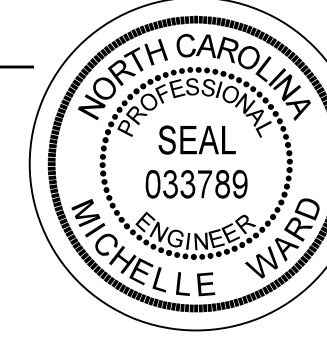
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 USER: CHARNDEN  
 DATE: 4/1/2020  
 TIME: 1:31:18 PM  
 FILE: C:\Users\charnden\Desktop\Working Folder\R-3825B\R3825B\_TC\_TMP-61.dgn



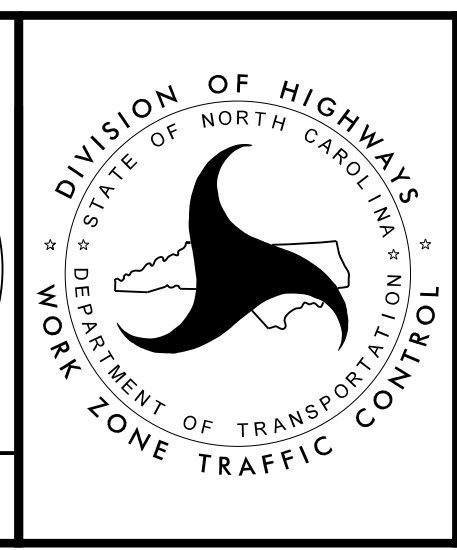
APPROVED: *Michelle Ward*

DATE: 4/1/2020

SEAL



DOCUMENT NOT CONSIDERED FINAL  
UNLESS ALL SIGNATURES COMPLETED

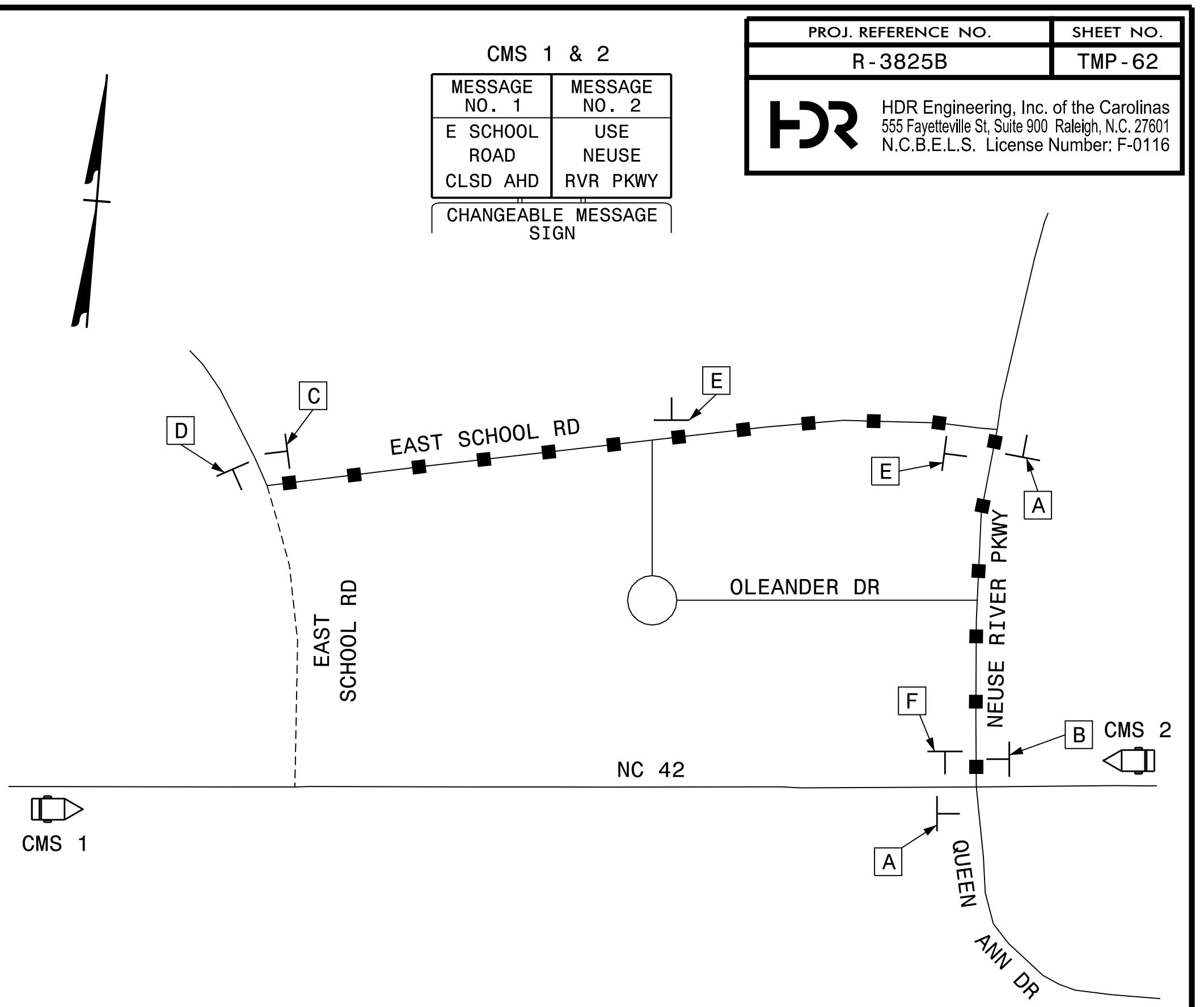
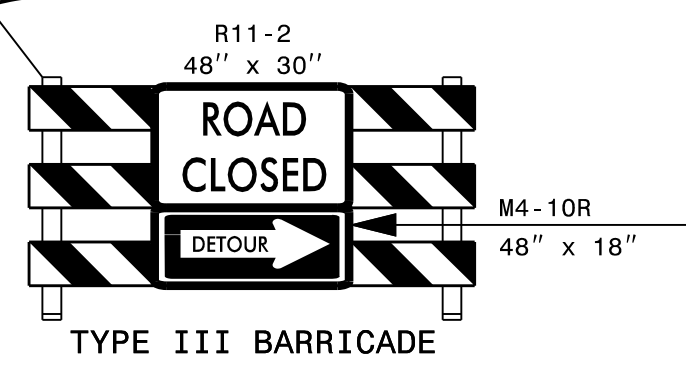
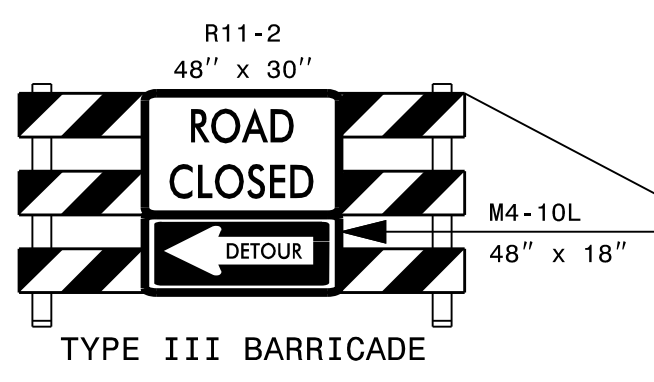
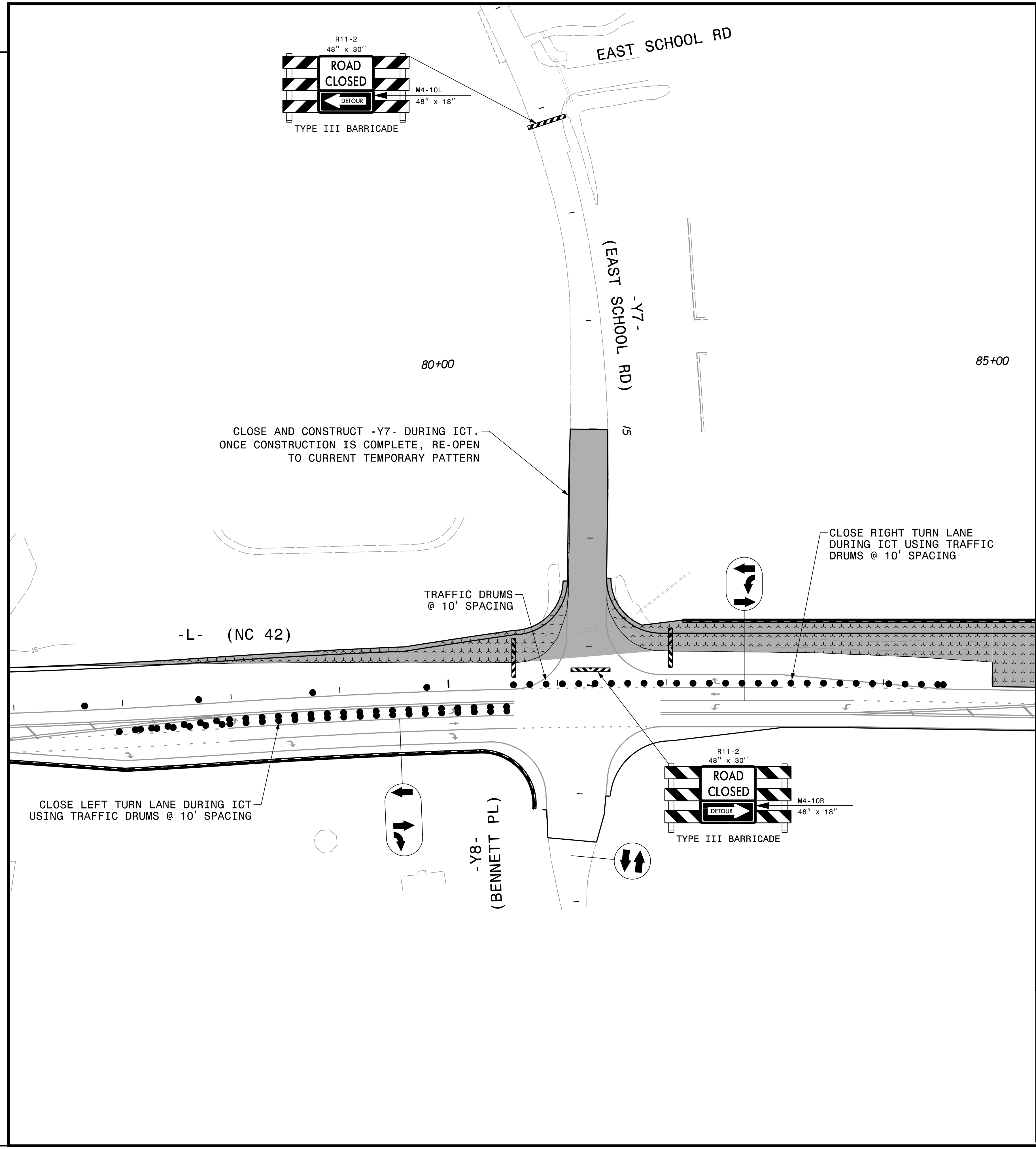


PHASE 2 - STEP 1



PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 6/5/2018  
 TIME: 11:32:32 AM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\R3825B\_Tc\_TMP-62.dgn

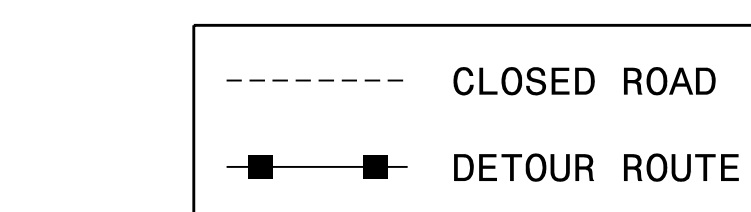
REVISIONS



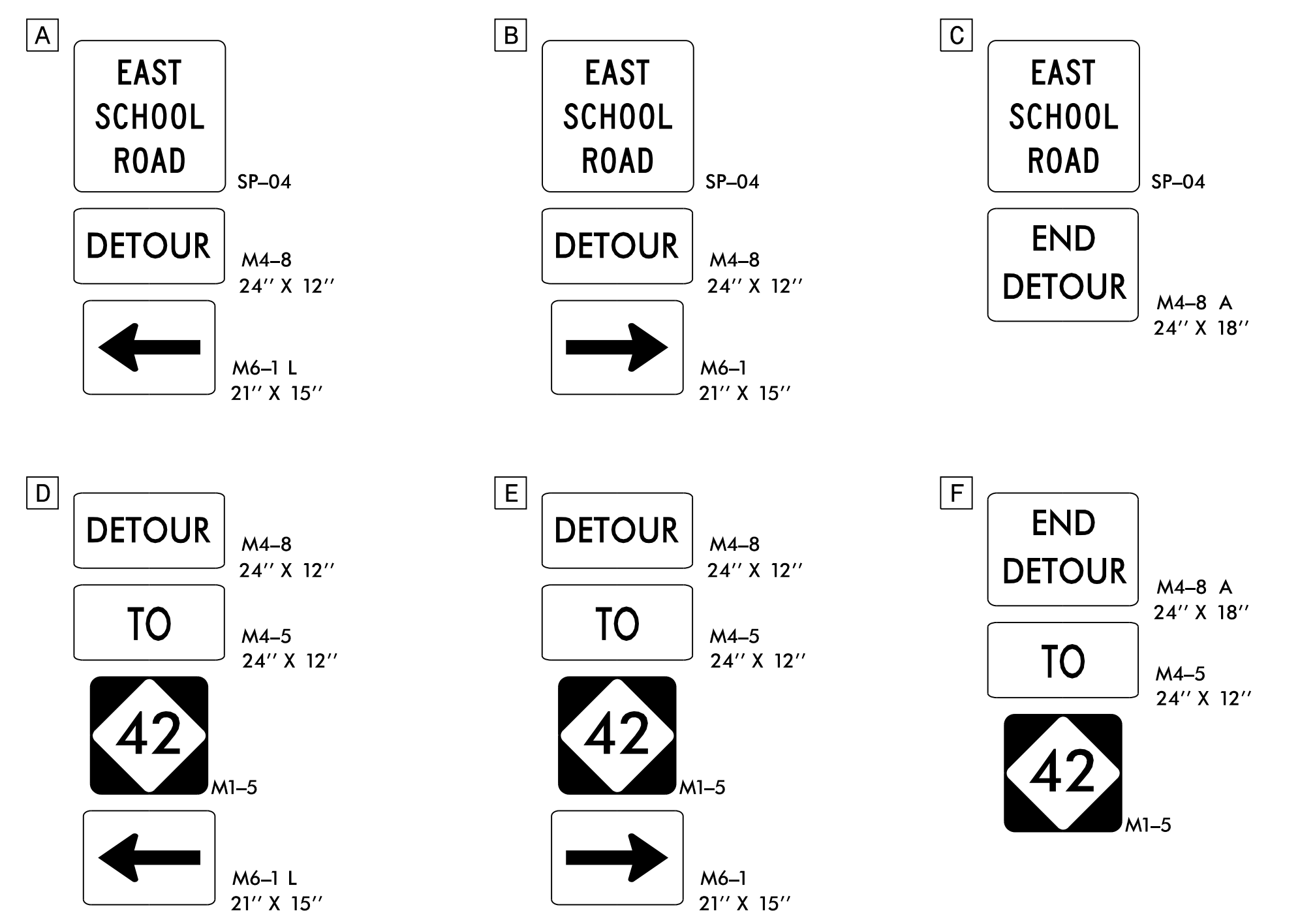
| CMS 1 & 2               |               |
|-------------------------|---------------|
| MESSAGE NO. 1           | MESSAGE NO. 2 |
| E SCHOOL ROAD           | USE NEUSE     |
| CLSD AHD                | RVR PKWY      |
| CHANGEABLE MESSAGE SIGN |               |

|                                |                     |
|--------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B | SHEET NO.<br>TMP-62 |
|--------------------------------|---------------------|

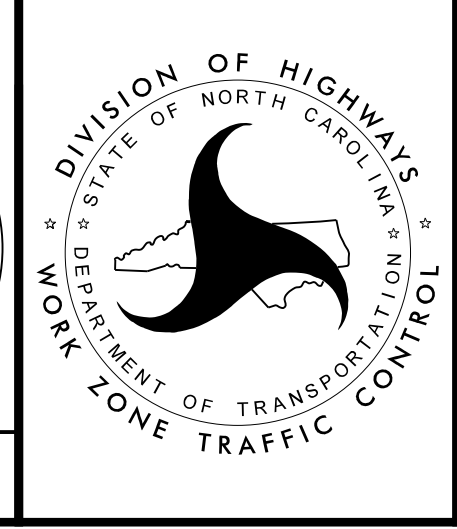
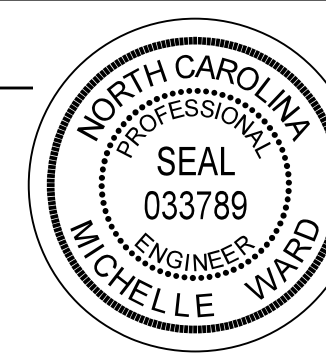
HDR Engineering, Inc. of the Carolinas  
 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116



**NOTES:**  
 1. SEE RSD 1101.03, SHEET 2 OF 9 AND THIS SHEET FOR ADDITIONAL SIGN AND BARRICADE PLACEMENT.  
 2. SEE SHEET TMP-02N FOR SP-04 SIGN DESIGN.

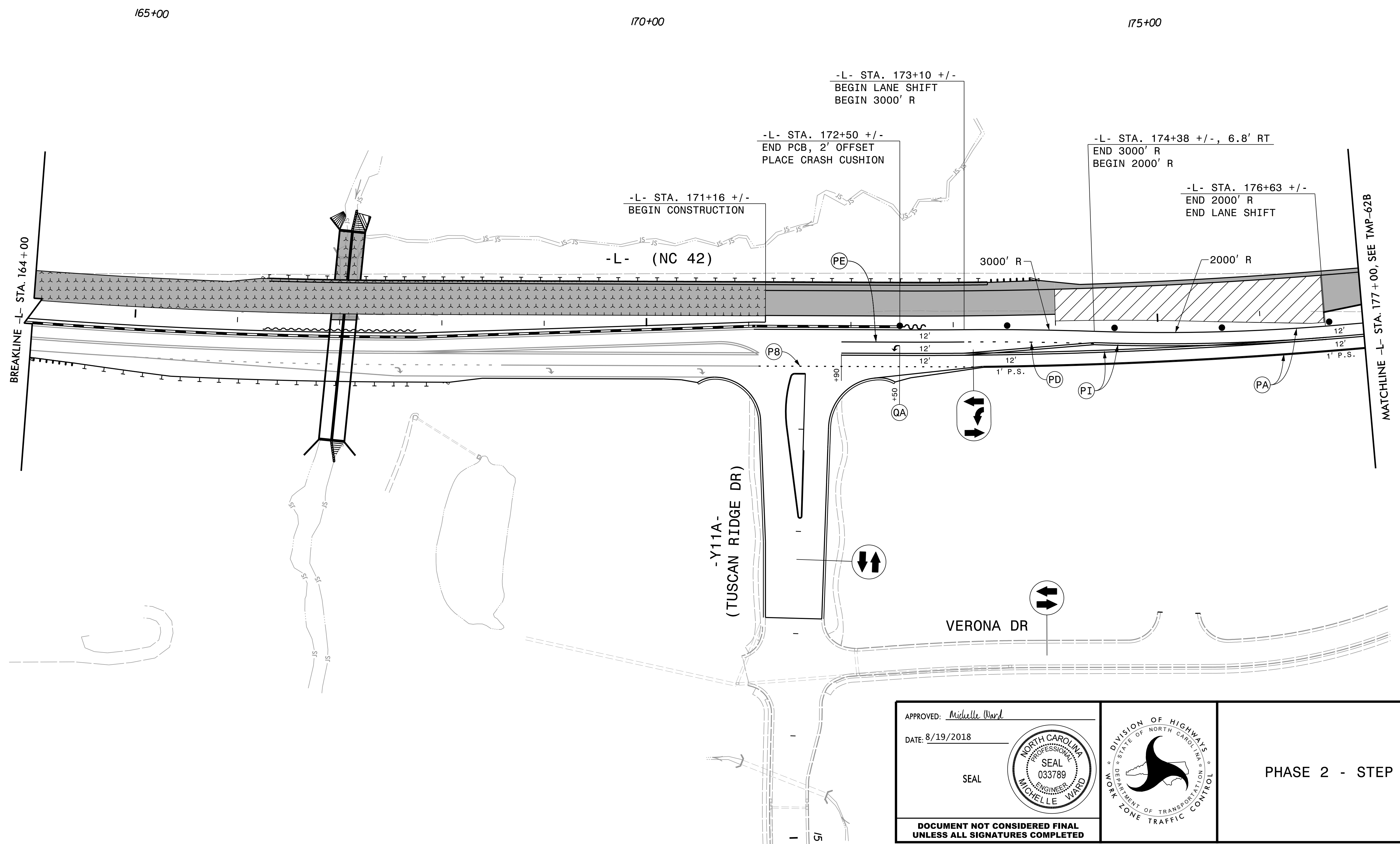


APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
 SEAL



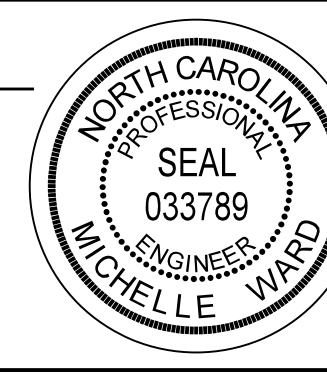
PHASE 2 - STEP 1A

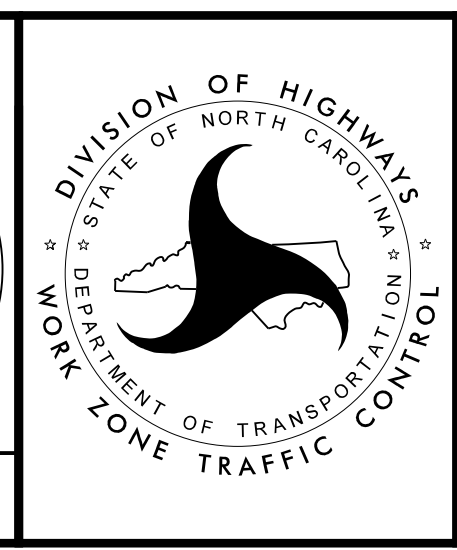
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

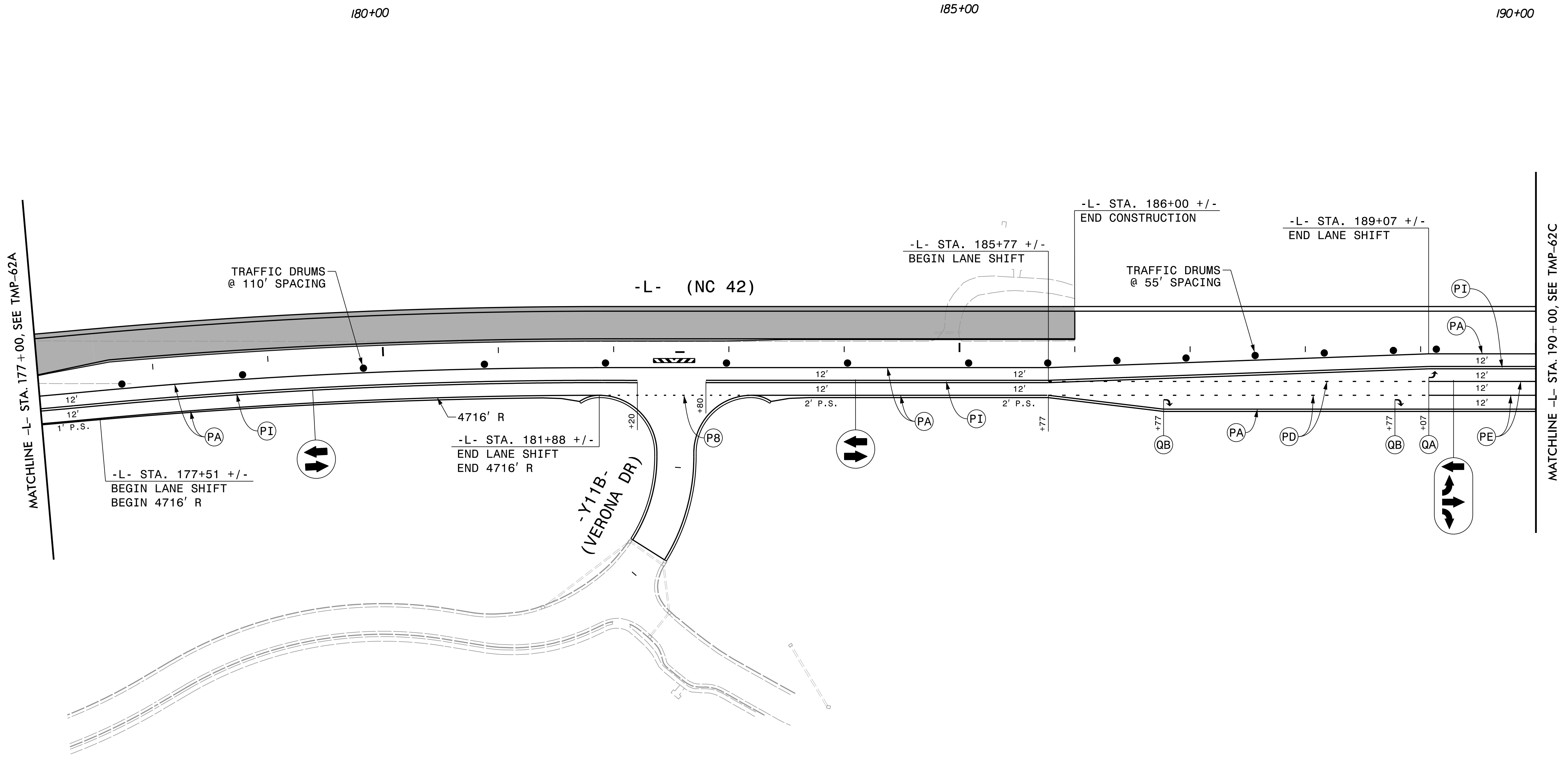
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 USER: BSCOTT  
 DATE: 8/19/2018  
 TIME: 6:40:28 PM  
 FILE: p:\pwhdr\users\BSCOTT\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_Tc\_TMP-62A.dgn

APPROVED: *Michelle Ward*  
 DATE: 8/19/2018  
 SEAL  




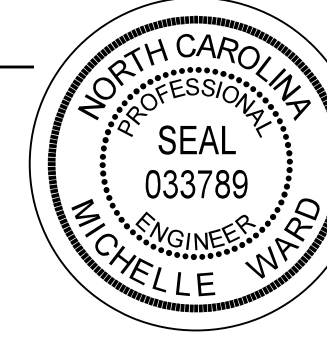
PHASE 2 - STEP 2

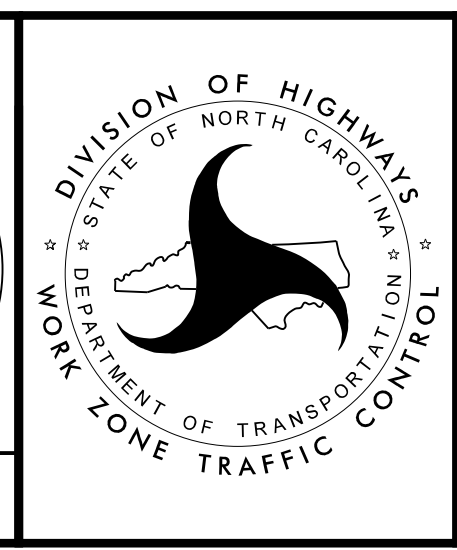
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
 USER: BSCOTT  
 DATE: 8/19/2018  
 TIME: 6:40:37 PM  
 FILE: p:\pwhdr\users\01\hdr\US\_East\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\6.2\_Work\_In\_Progress\TrafficControl\TCP\3825B\_TC\_TMP-62B.dgn

APPROVED: *Michelle Ward*  
 DATE: 8/19/2018  
 SEAL  
  
 DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED



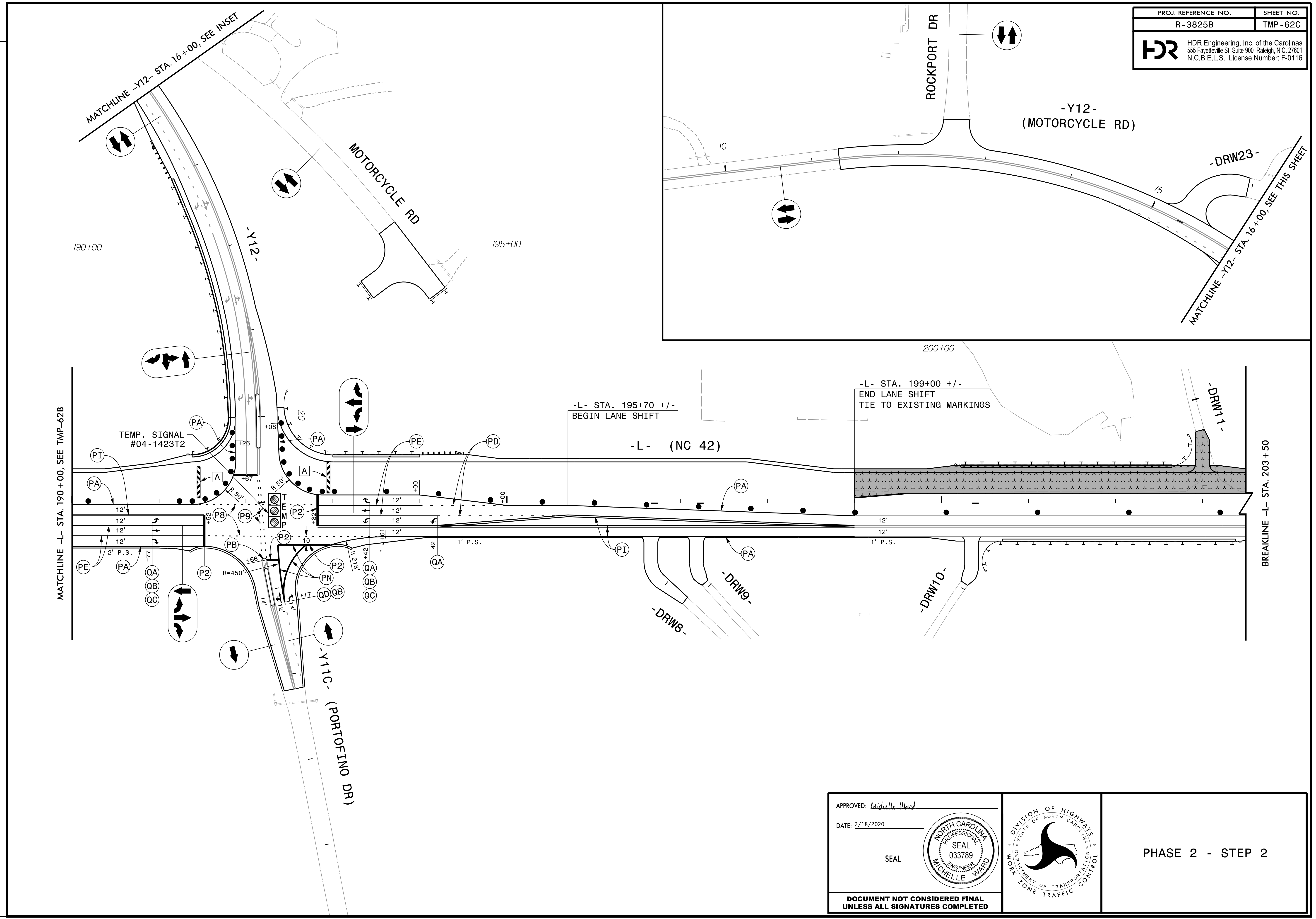
PHASE 2 - STEP 2

PLOT DRIVER: NCDOT\_pdw\_color\_eng\_50.plt  
 USER: CHARNDEN  
 DATE: 2/5/2020  
 TIME: 11:20:25 AM  
 FILE: dw:\pdw\projects\04101231\6.0-CAD-BIM\6.2-Work-In-Progress\TrafficControl\TCP\R3825B-TC-TMP-62C.dgn

**REVISIONS**  
 2/4/2020: REVISED TEMPORARY MARKING ON -Y11C- (PORTOFINO DR) TO ADD ADDITIONAL LANE.

|                                |                      |
|--------------------------------|----------------------|
| PROJ. REFERENCE NO.<br>R-3825B | SHEET NO.<br>TMP-62C |
|--------------------------------|----------------------|

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 555 Fayetteville St, Suite 900 Raleigh, N.C. 27601  
 N.C.B.E.L.S. License Number: F-0116



APPROVED: *Michelle Ward*

DATE: 2/18/2020

SEAL

SEAL  
 NORTH CAROLINA  
 PROFESSIONAL  
 ENGINEER  
 MICHELLE WARD  
 033789


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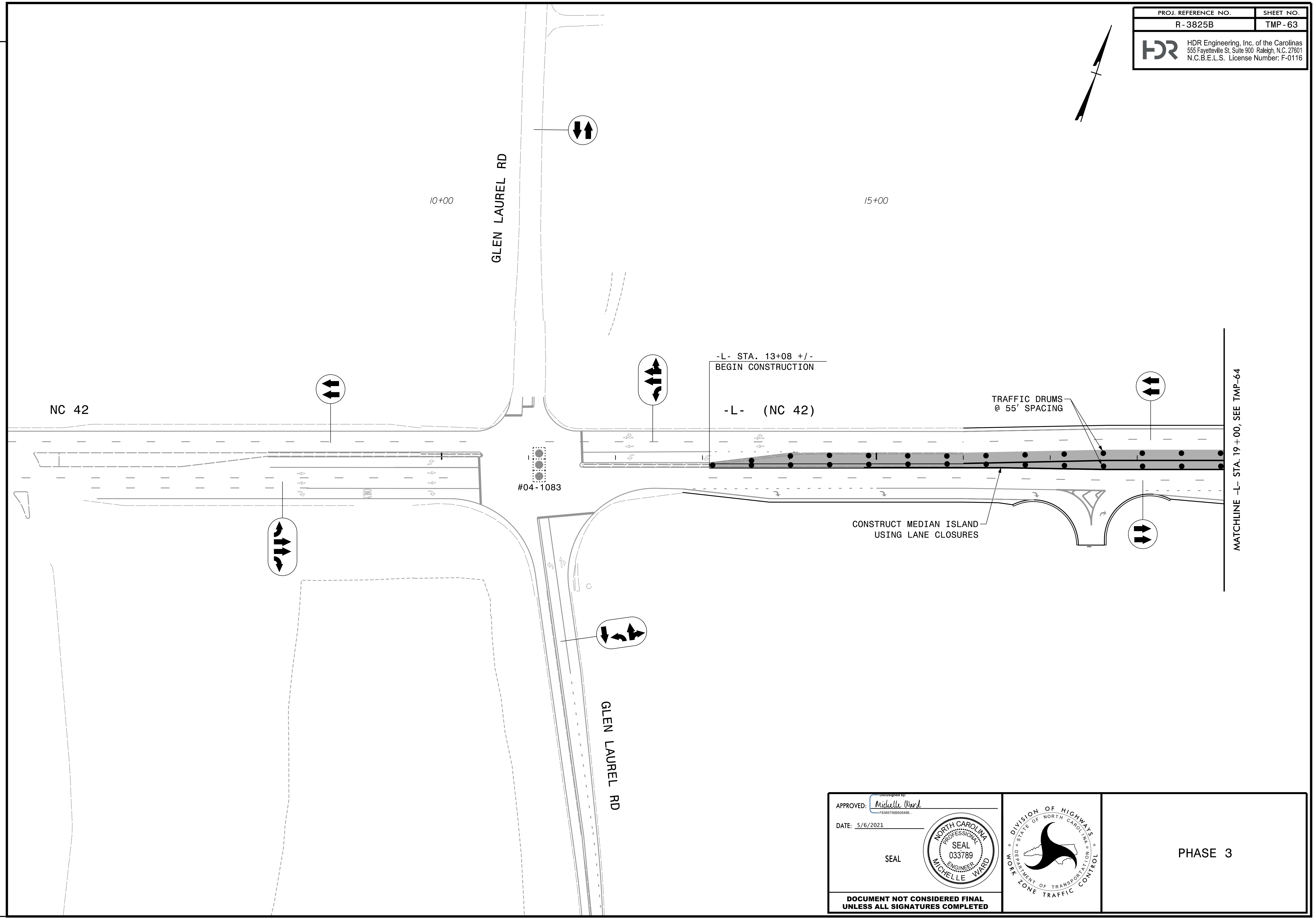
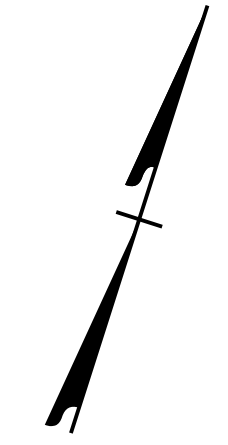


PHASE 2 - STEP 2

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REVISIONS  
05/06/2021: REVISED MEDIAN CONSTRUCTION TO INCLUDE EXTENDED LEFT TURN LANE FROM WB -L- (NC 42) ONTO GLEN LAUREL RD.

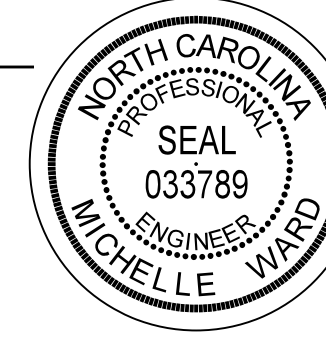
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|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|
| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-63 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |



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DATE: 5/6/2021

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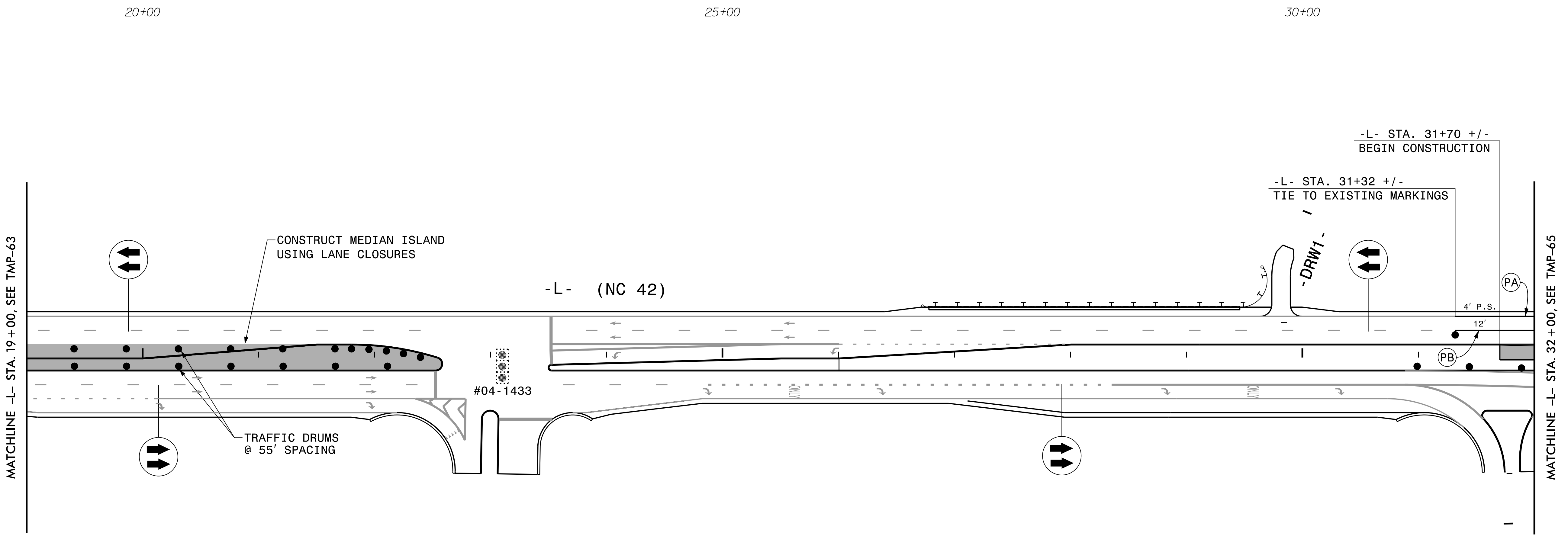
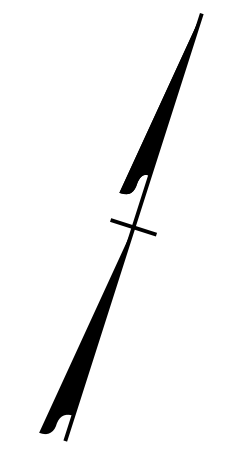


PHASE 3

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REVISIONS  
05/06/2021: REVISED MEDIAN CONSTRUCTION TO INCLUDE EXTENDED LEFT TURN LANE FROM WB -L- (NC 42) ONTO GLEN LAUREL RD.

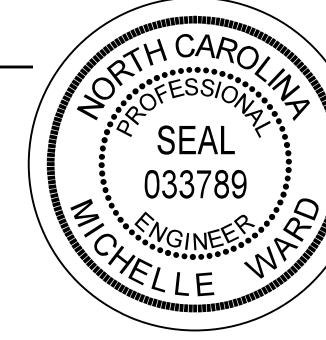
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| PROJ. REFERENCE NO.                                                                                                                                                                                                     | SHEET NO. |
| R-3825B                                                                                                                                                                                                                 | TMP-64    |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |           |



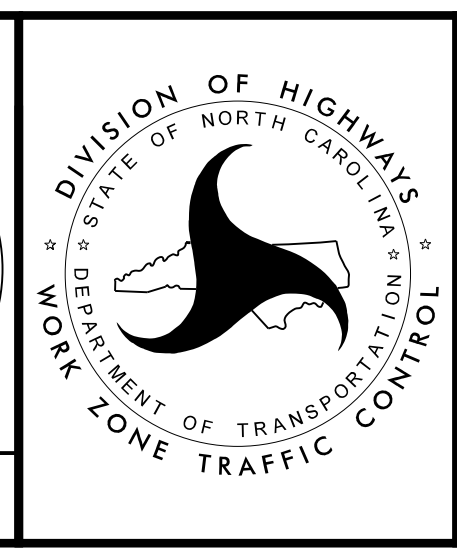
APPROVED: *Michelle Ward*  
DocuSigned by:  
Michelle Ward  
F83857566929488...

DATE: 5/6/2021

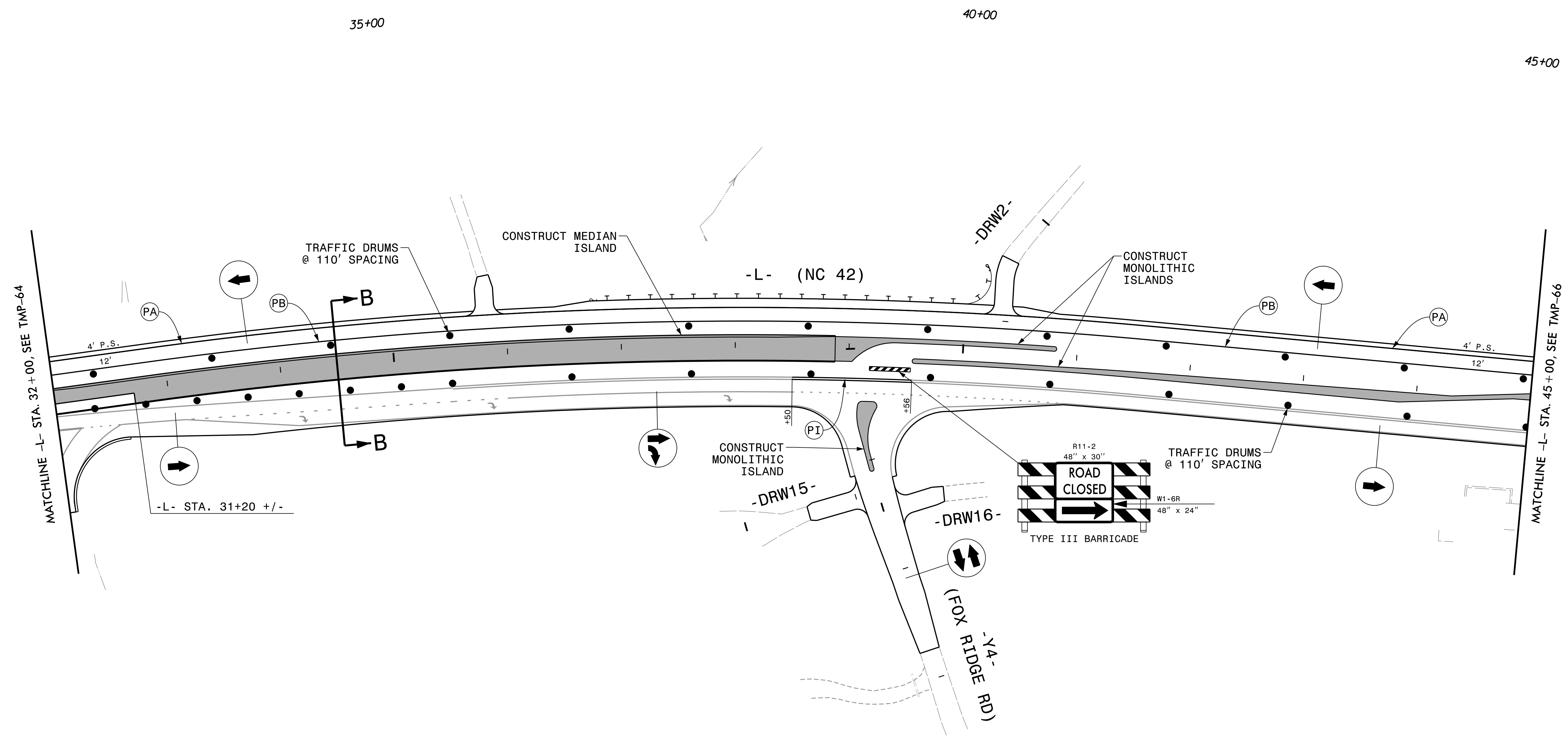
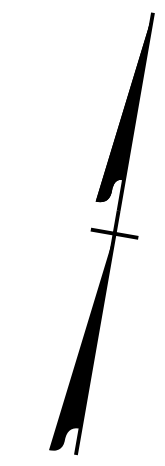
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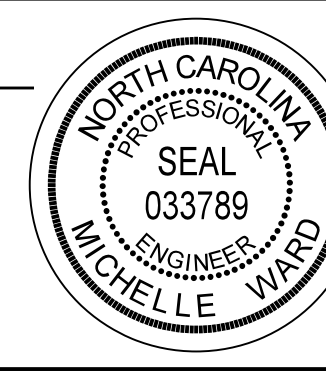
PHASE 3

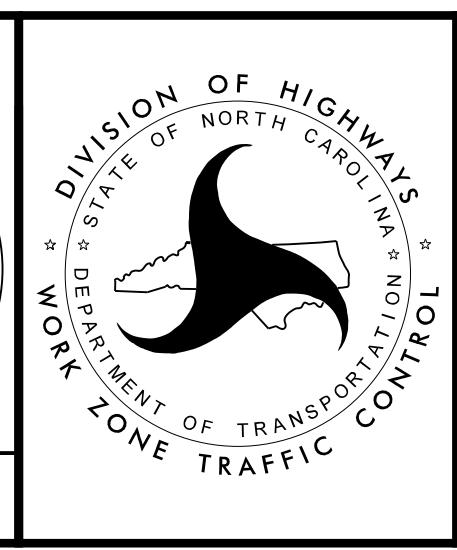


REVISIONS

NOTE:  
1. SEE SHEET TMP-2B FOR CUT SECTION B-B.

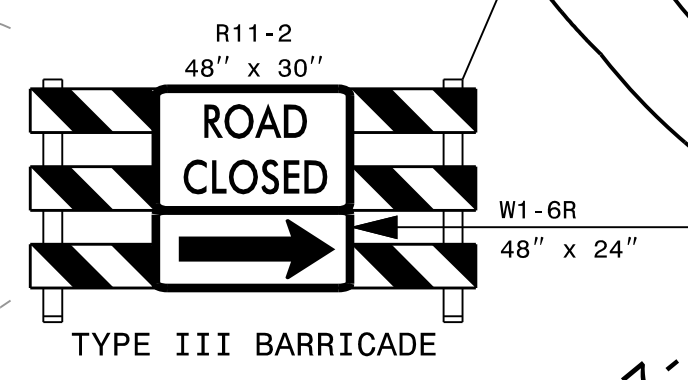
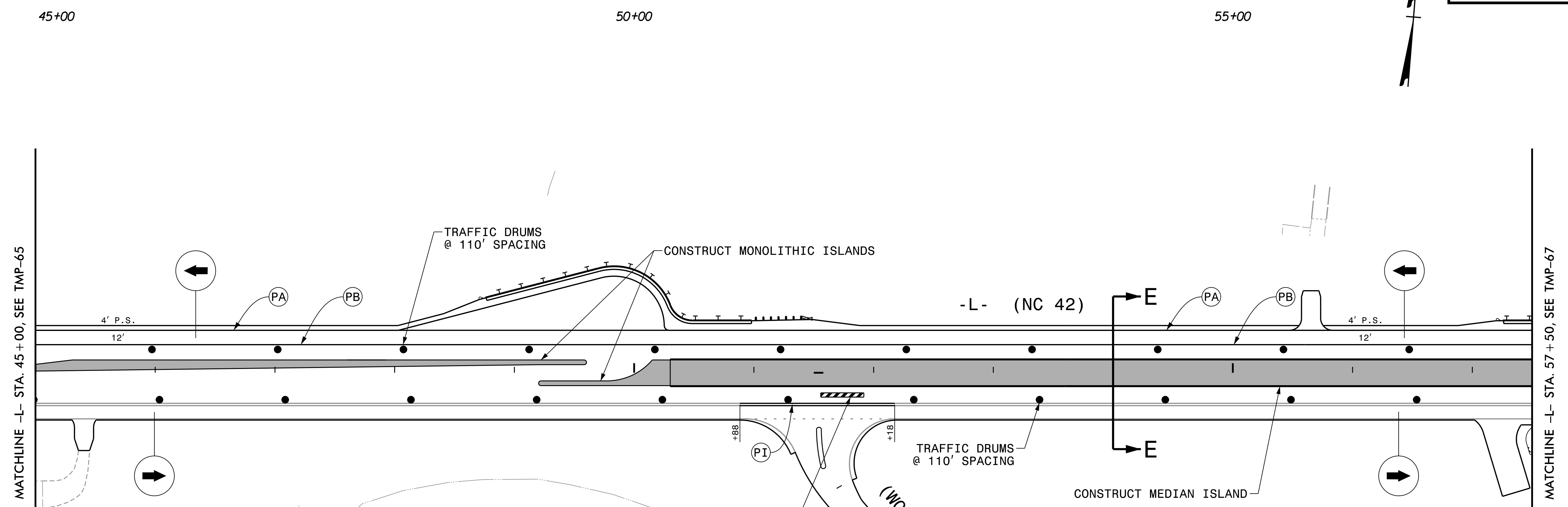
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 DATE: 6/6/2018  
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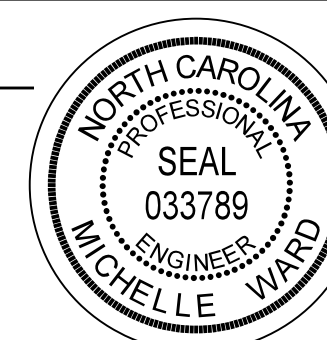


PHASE 3

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NOTE:  
SEE SHEET TMP-2D FOR CUT SECTION E-E

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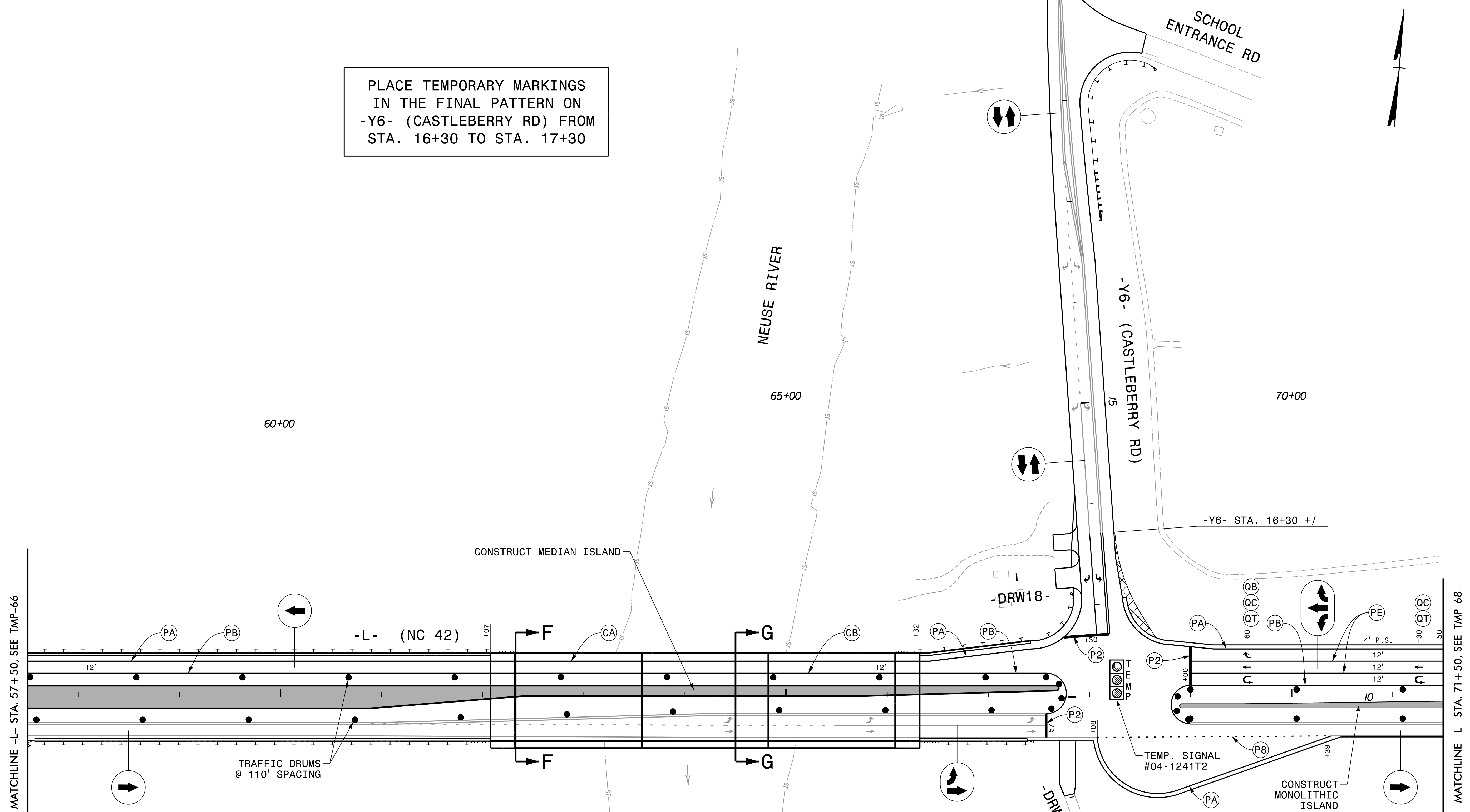
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REVISIONS



NOTES:  
 1. SEE SHEET TMP-2E FOR CUT SECTION F-F.  
 2. SEE SHEET TMP-2E FOR CUT SECTION G-G.

PLACE TEMPORARY MARKINGS  
 IN THE FINAL PATTERN ON  
 -Y6- (CASTLEBERRY RD) FROM  
 STA. 16+30 TO STA. 17+30

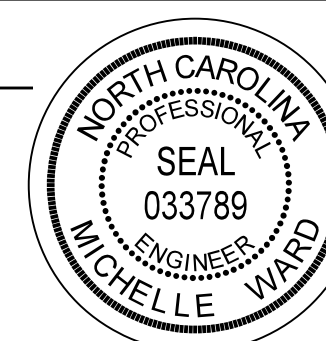


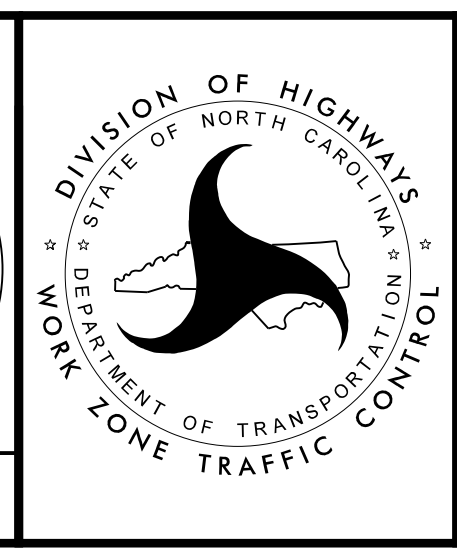
REVISIONS

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MATCHLINE -L- STA. 57+50, SEE TMP-66

MATCHLINE -L- STA. 71+50, SEE TMP-68

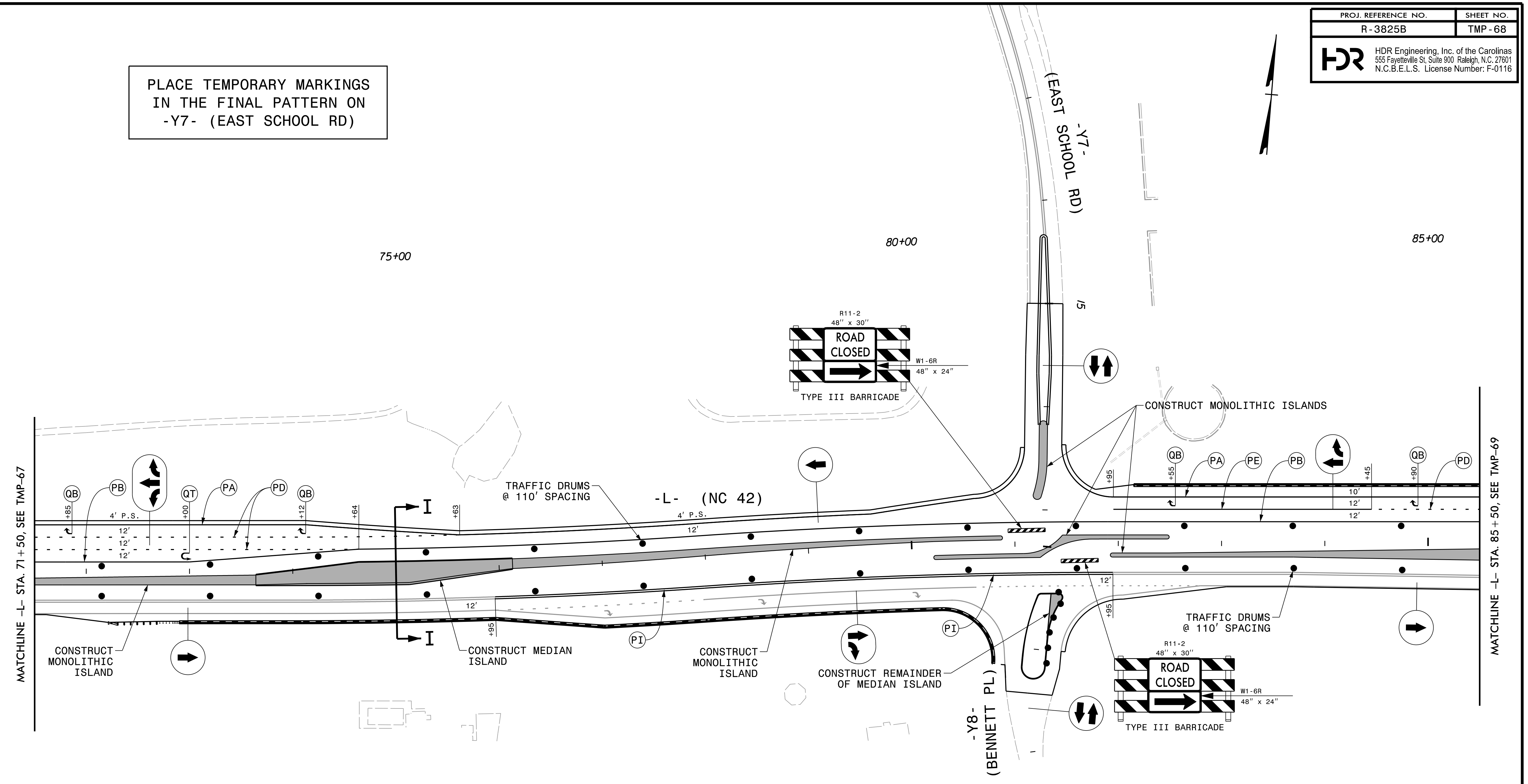
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 DATE: 6/6/2018  
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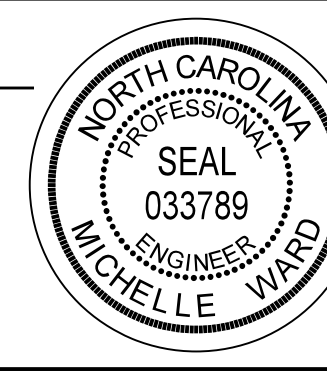
PLACE TEMPORARY MARKINGS  
IN THE FINAL PATTERN ON  
-Y7- (EAST SCHOOL RD)

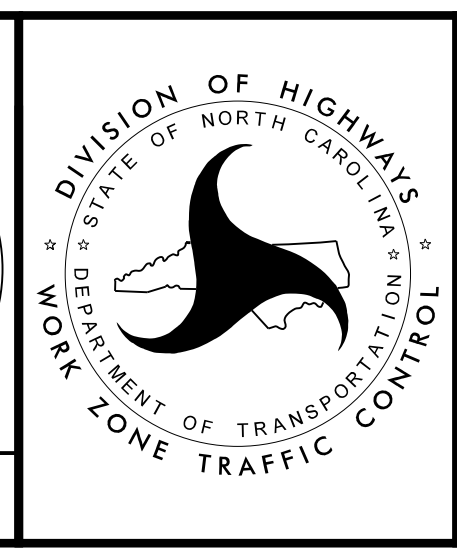


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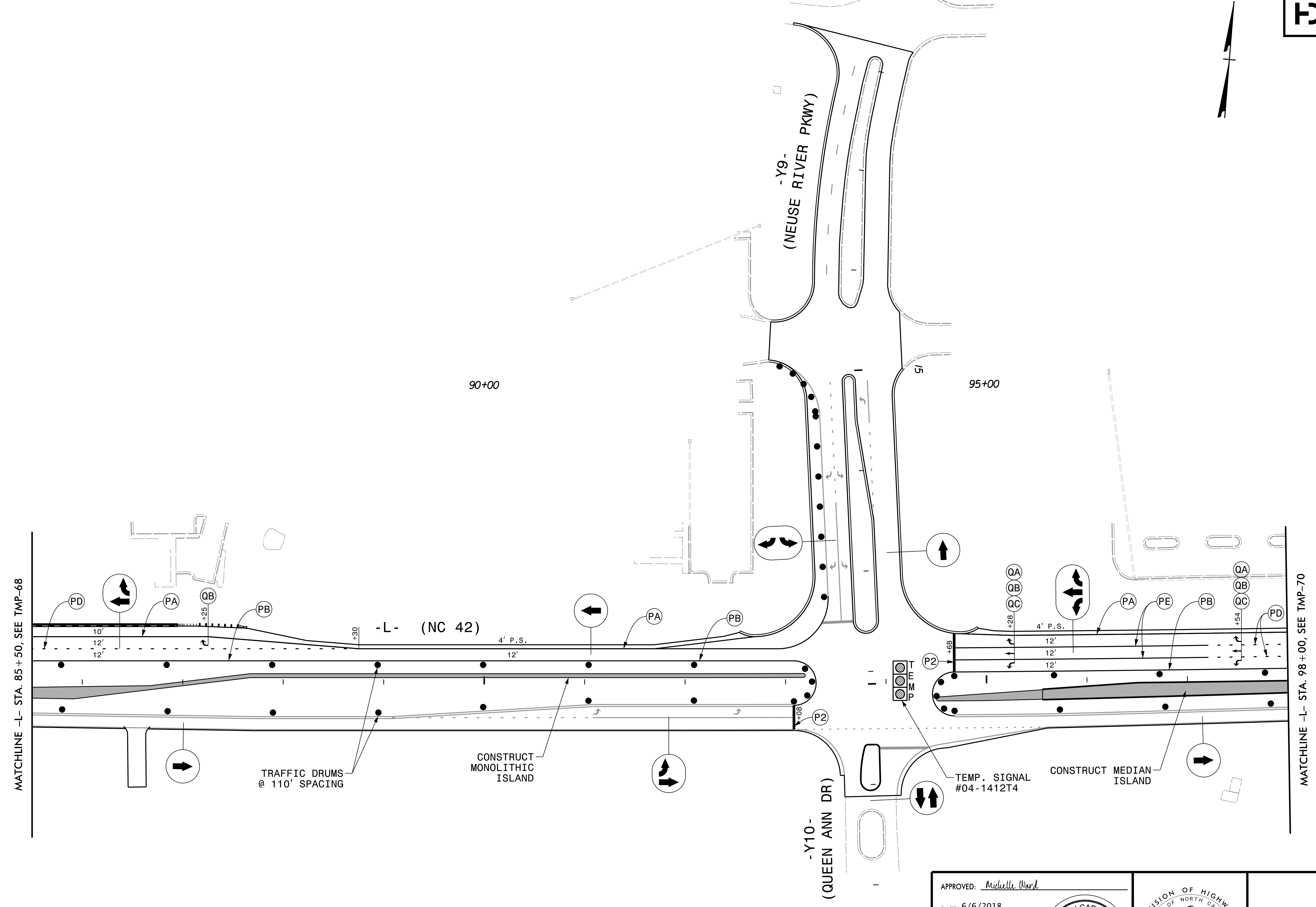
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NOTES:  
1. SEE SHEET TMP-2F FOR CUT SECTION I-I.

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 DATE: 6/6/2018  
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PLOT DRIVER: NCDOT.pdf\_color\_eng\_50.pit PENTABLE: NCDOT\_tcp.tbl  
USER: BSCOTT DATE: 6/5/2018 TIME: 11:33:59 AM  
FILE: p:\p\h\p\h\useas01\h\us\_east\_01\Documents\3322\10001376\10051231\6.0\_CAD\_BIM\_6.2\_Work\_In\_Progress\Traffic\TrafficControl\TCP\R3825B\_TC\_TMP-69.dgn

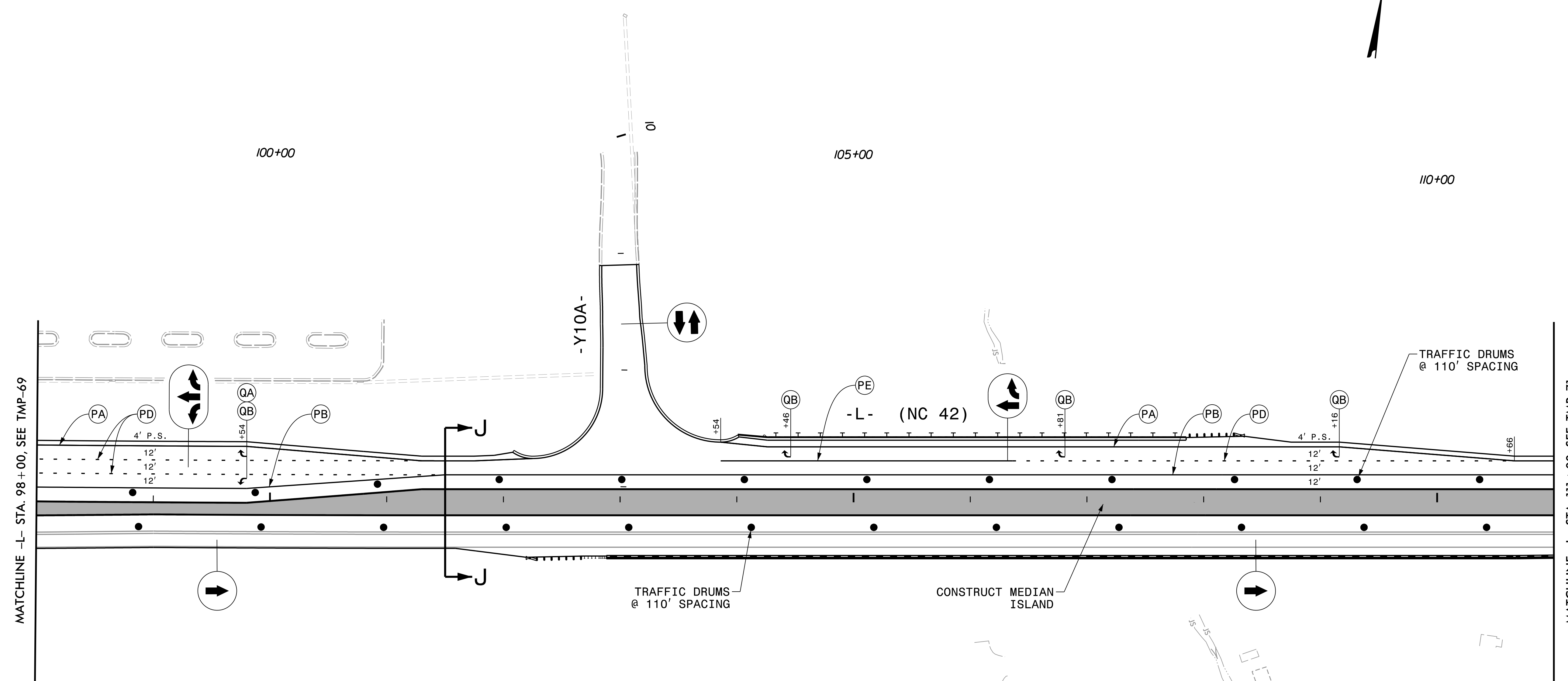
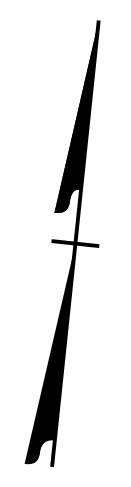
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APPROVED: *Michelle Ward*  
DATE: 6/6/2018  
SEAL  
**NORTH CAROLINA**  
PROFESSIONAL  
SEAL  
033789  
ENGINEER  
MICHELLE WARD



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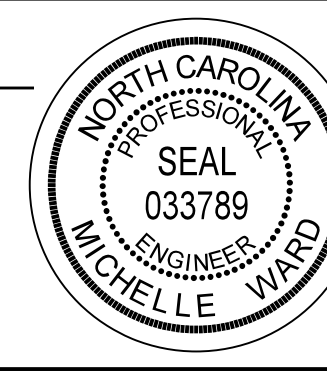
REVISIONS

NOTE:  
SEE SHEET TMP-2G FOR CUT SECTION J-J


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 DATE: 6/5/2018  
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

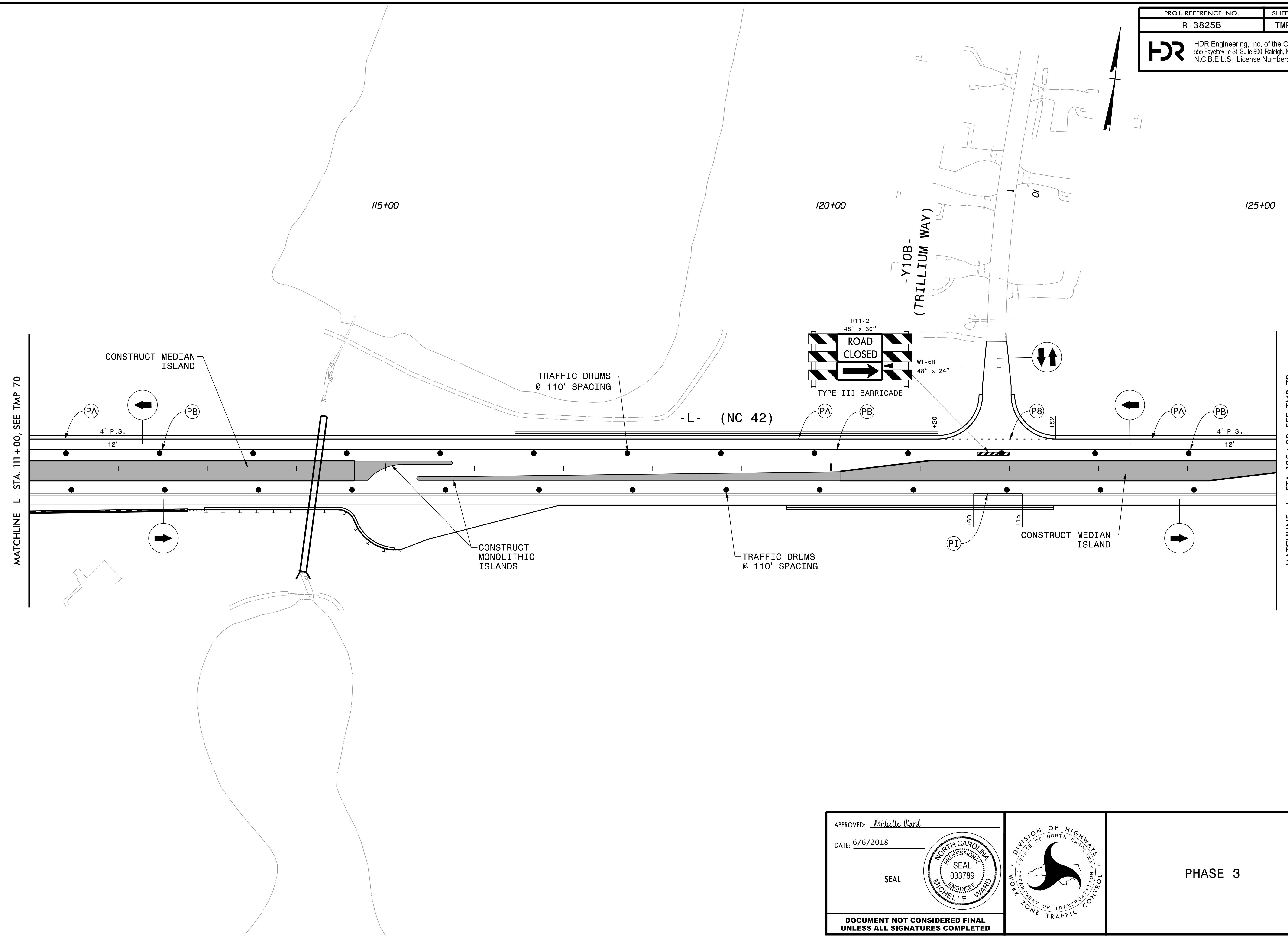
SEAL



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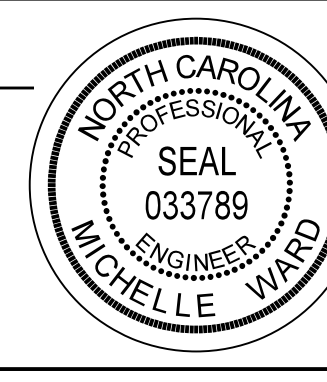


REVISIONS

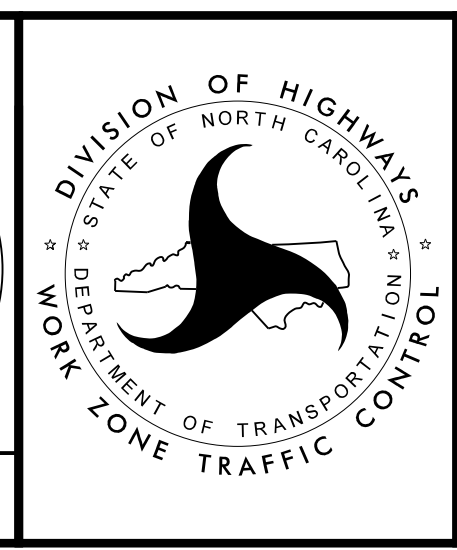
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

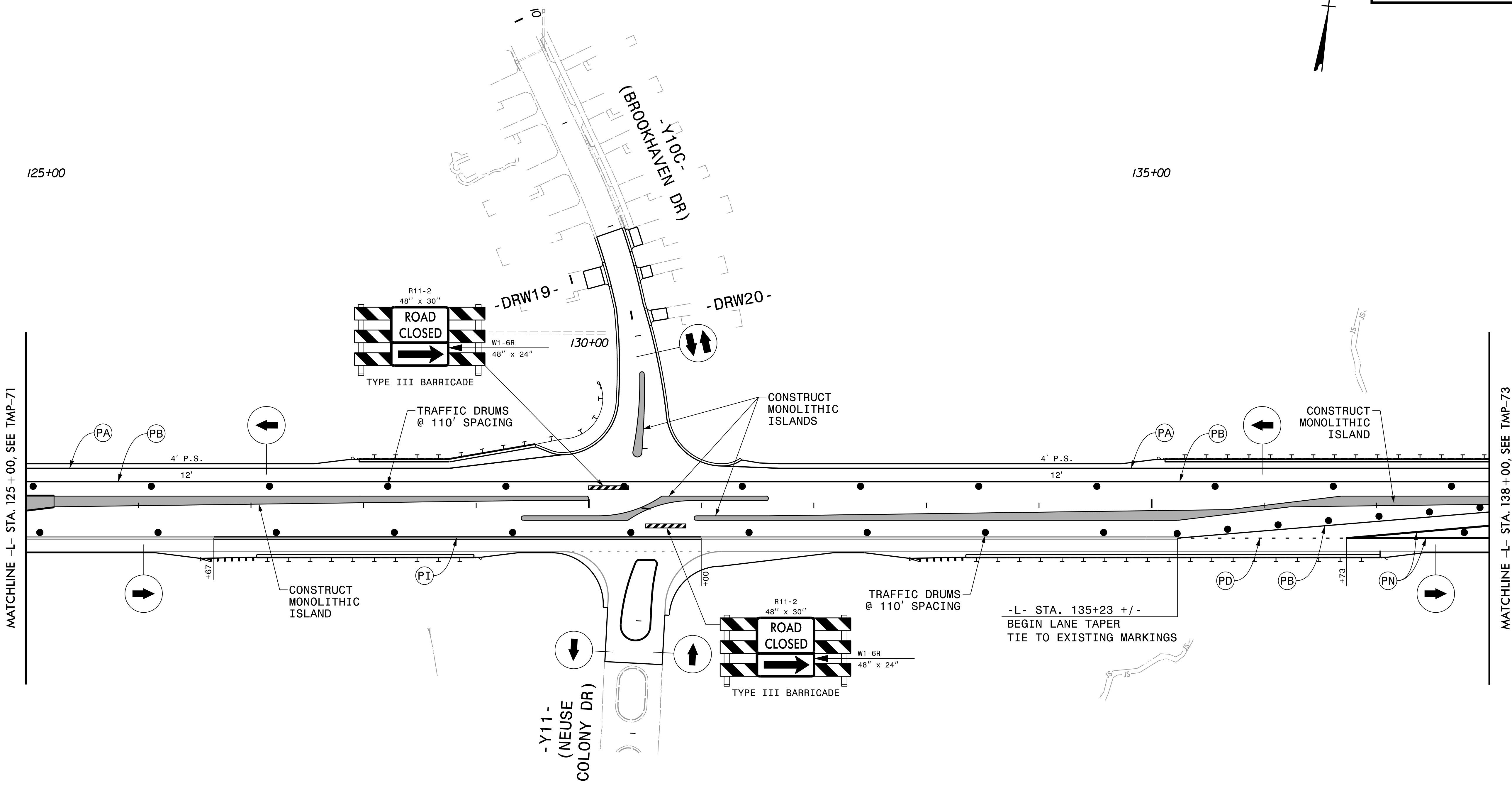
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MATCHLINE -L- STA. 125+00, SEE TMP-71

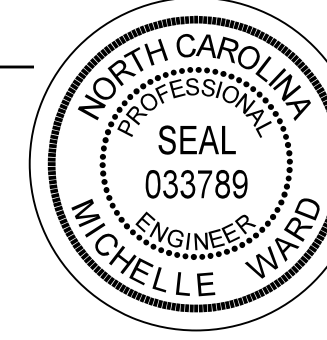
MATCHLINE -L- STA. 138+00, SEE TMP-73

REVISIONS

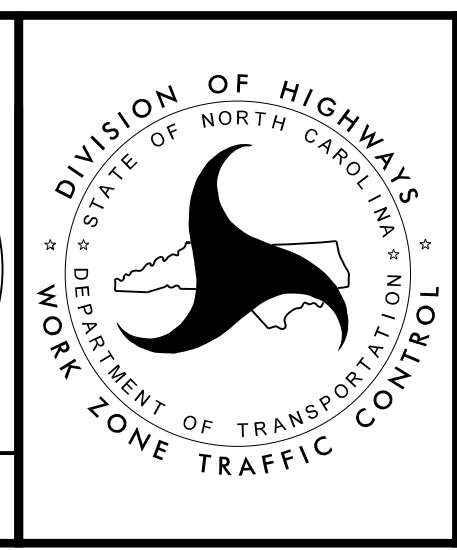
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 DATE: 6/5/2018  
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 DATE: 6/6/2018


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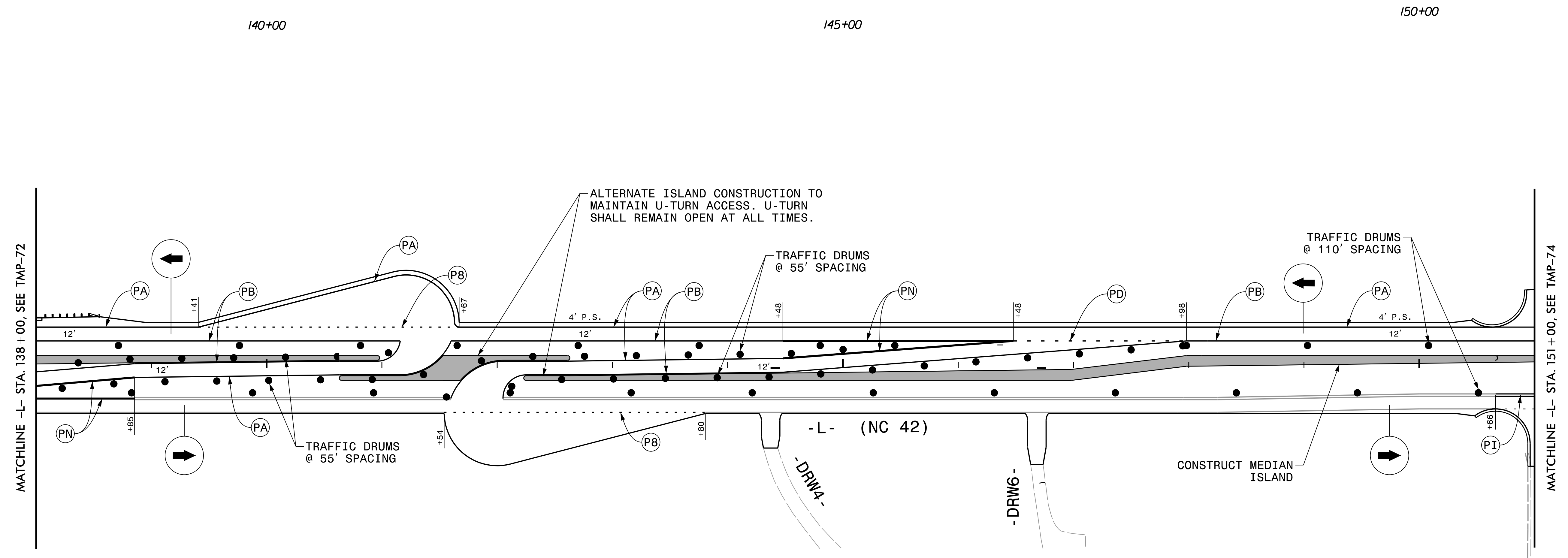


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|                                                                                                                                                                                                                         |                     |
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| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-73 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |

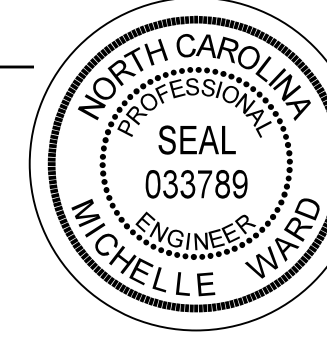


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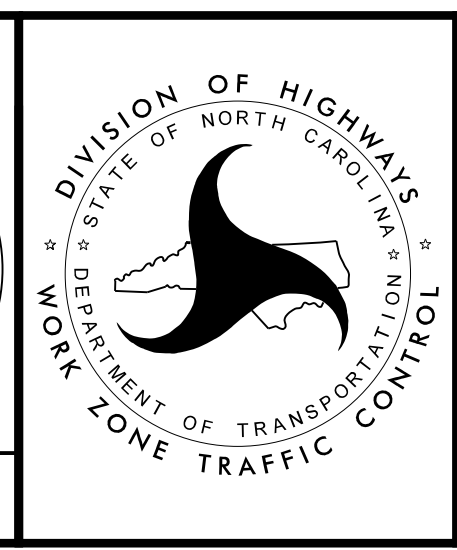
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

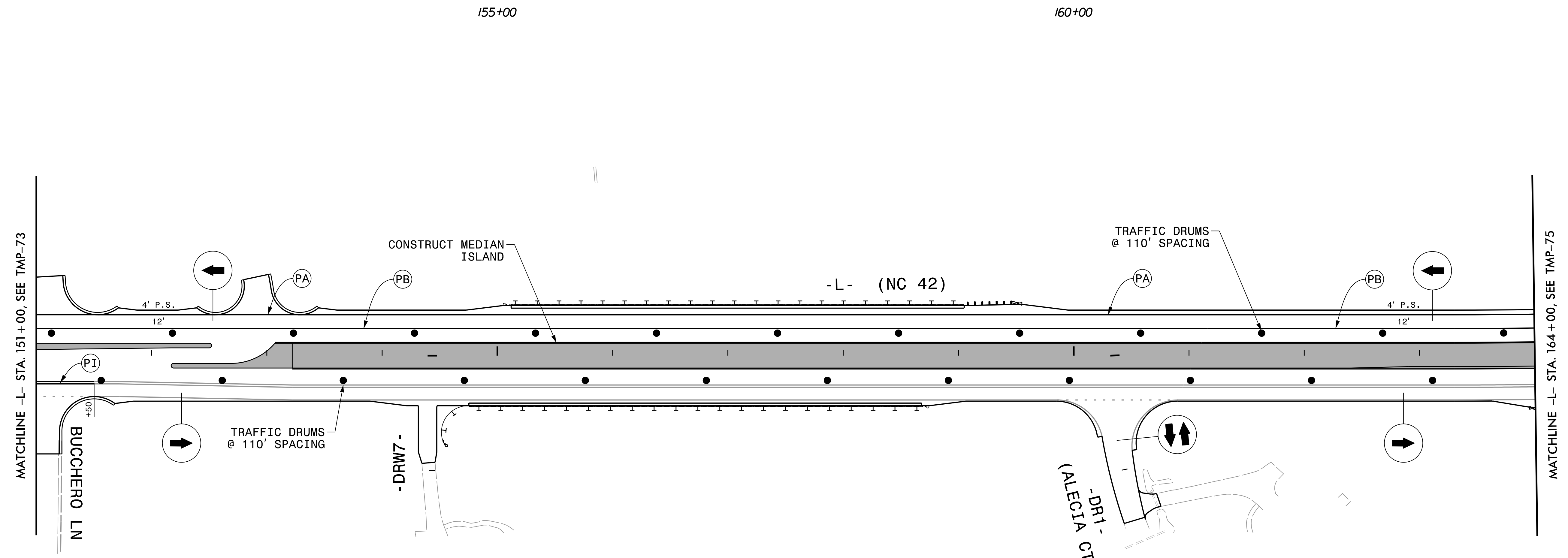
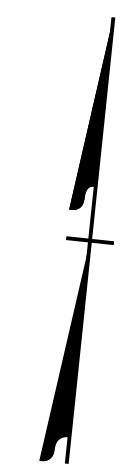
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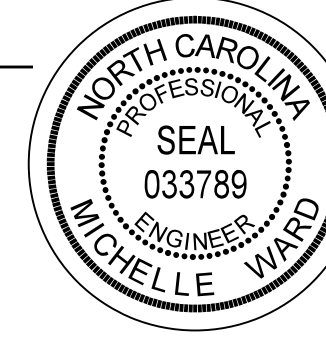


REVISIONS

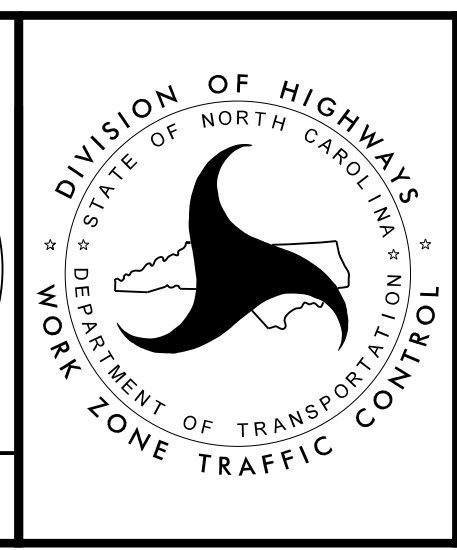
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

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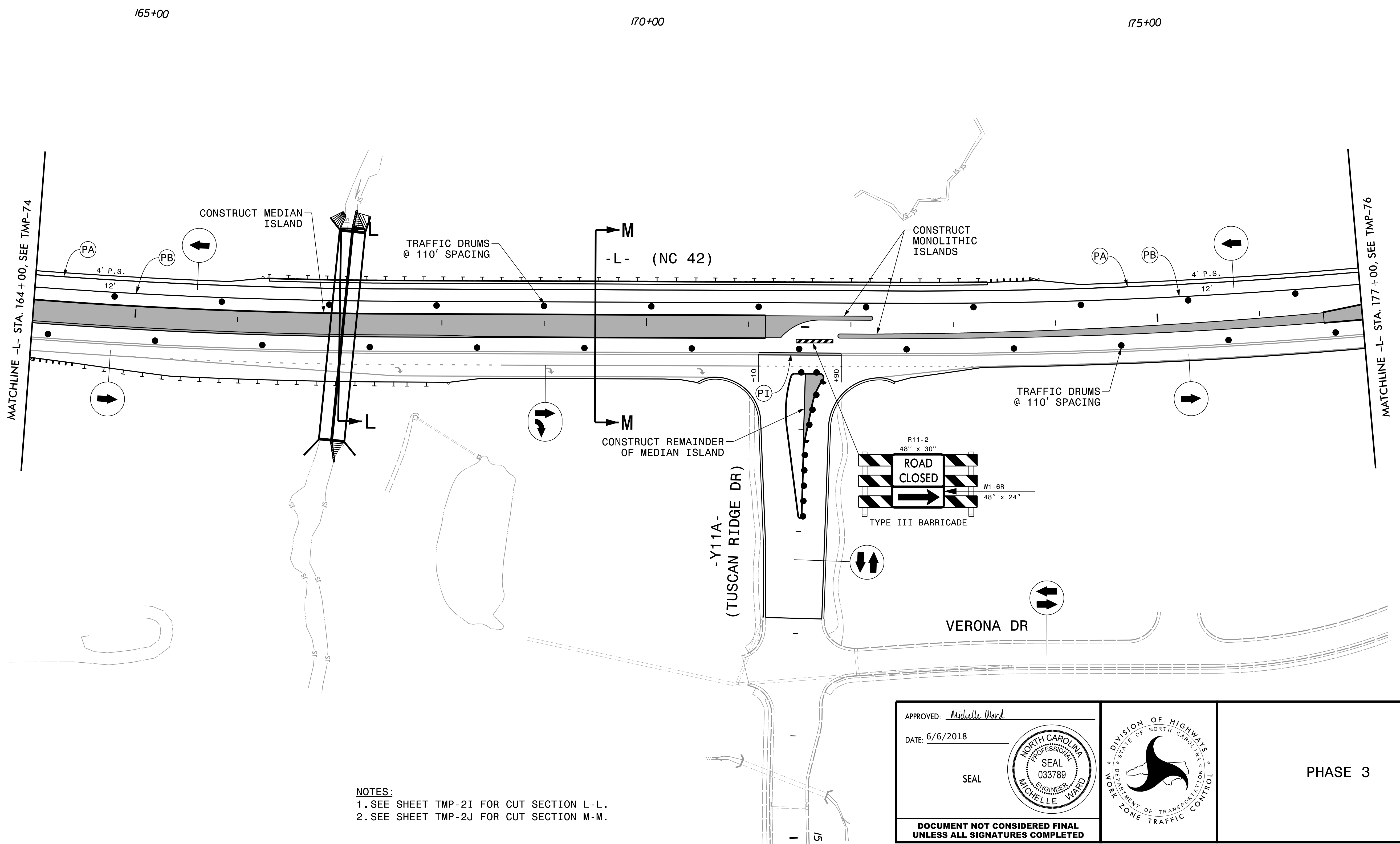
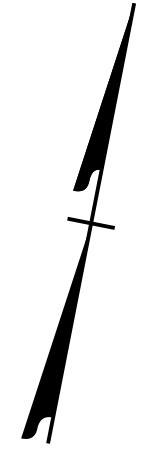


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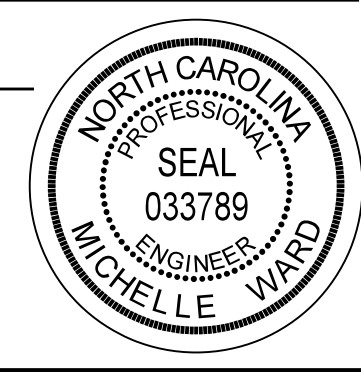


PHASE 3





**NOTES:**  
 1. SEE SHEET TMP-2I FOR CUT SECTION L-L.  
 2. SEE SHEET TMP-2J FOR CUT SECTION M-M.

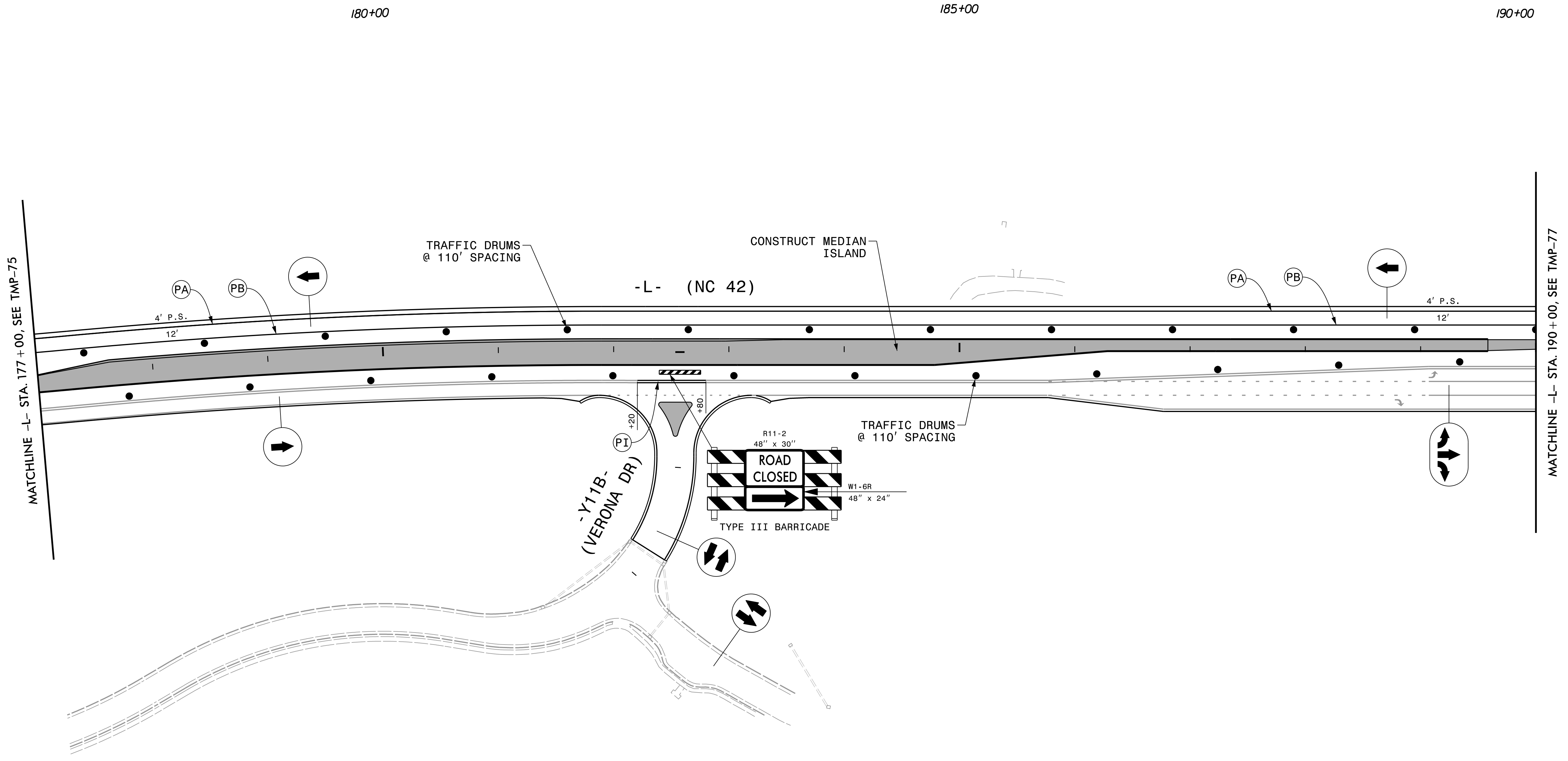
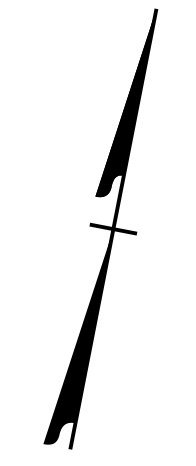
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 DATE: 6/6/2018  
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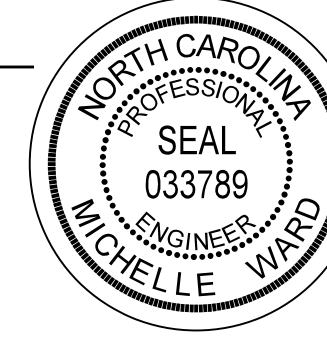
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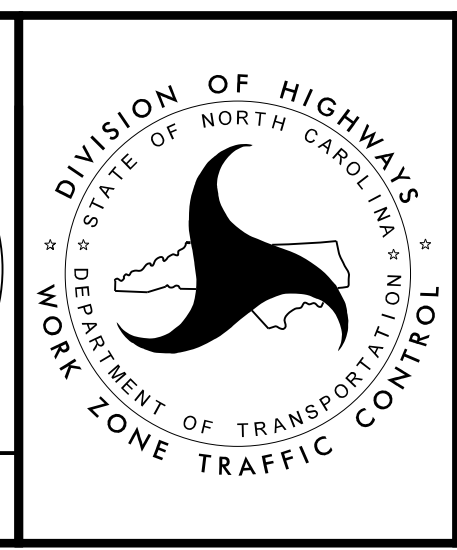
REVISIONS



REVISIONS

PLOT DRIVER: NCDOT\_pdf\_color\_eng\_50.plt  
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018  
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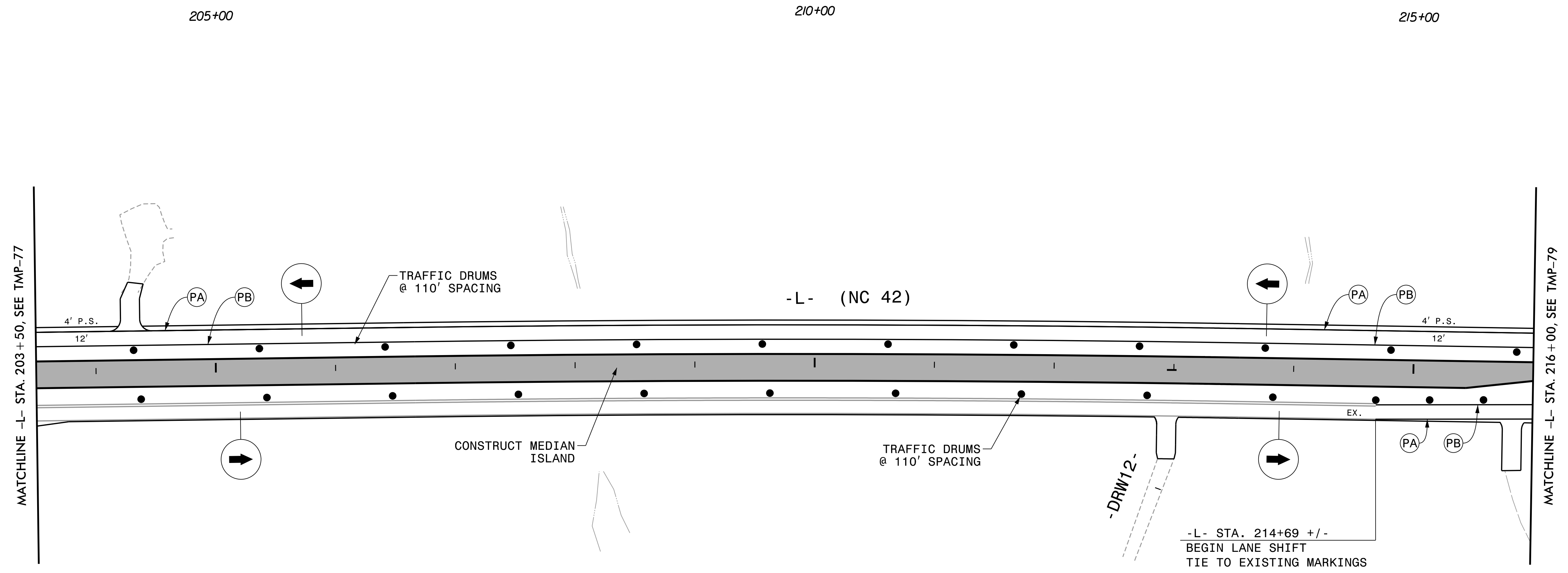
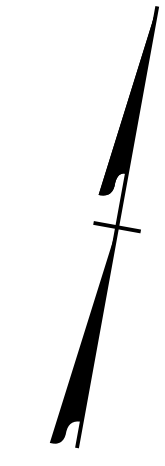


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|                                                                                                                                                                                                                         |                     |
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| PROJ. REFERENCE NO.<br>R-3825B                                                                                                                                                                                          | SHEET NO.<br>TMP-78 |
|  HDR Engineering, Inc. of the Carolinas<br>555 Fayetteville St, Suite 900 Raleigh, N.C. 27601<br>N.C.B.E.L.S. License Number: F-0116 |                     |

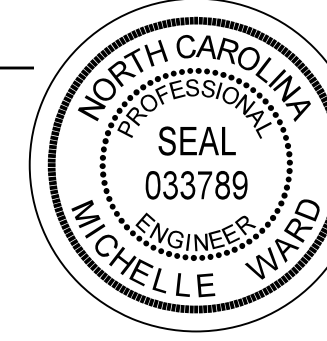


REVISIONS

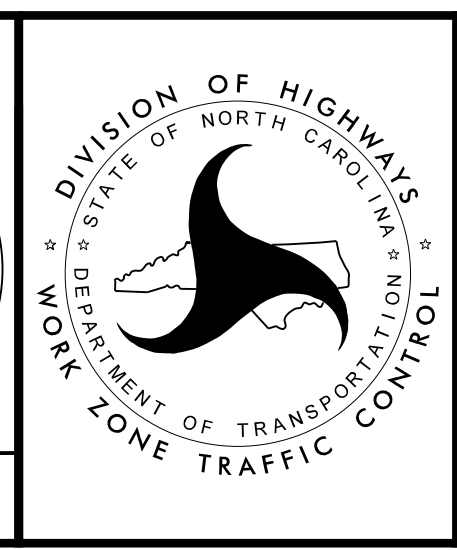
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 DATE: 6/5/2018  
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APPROVED: *Michelle Ward*  
 DATE: 6/6/2018

SEAL



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



PHASE 3