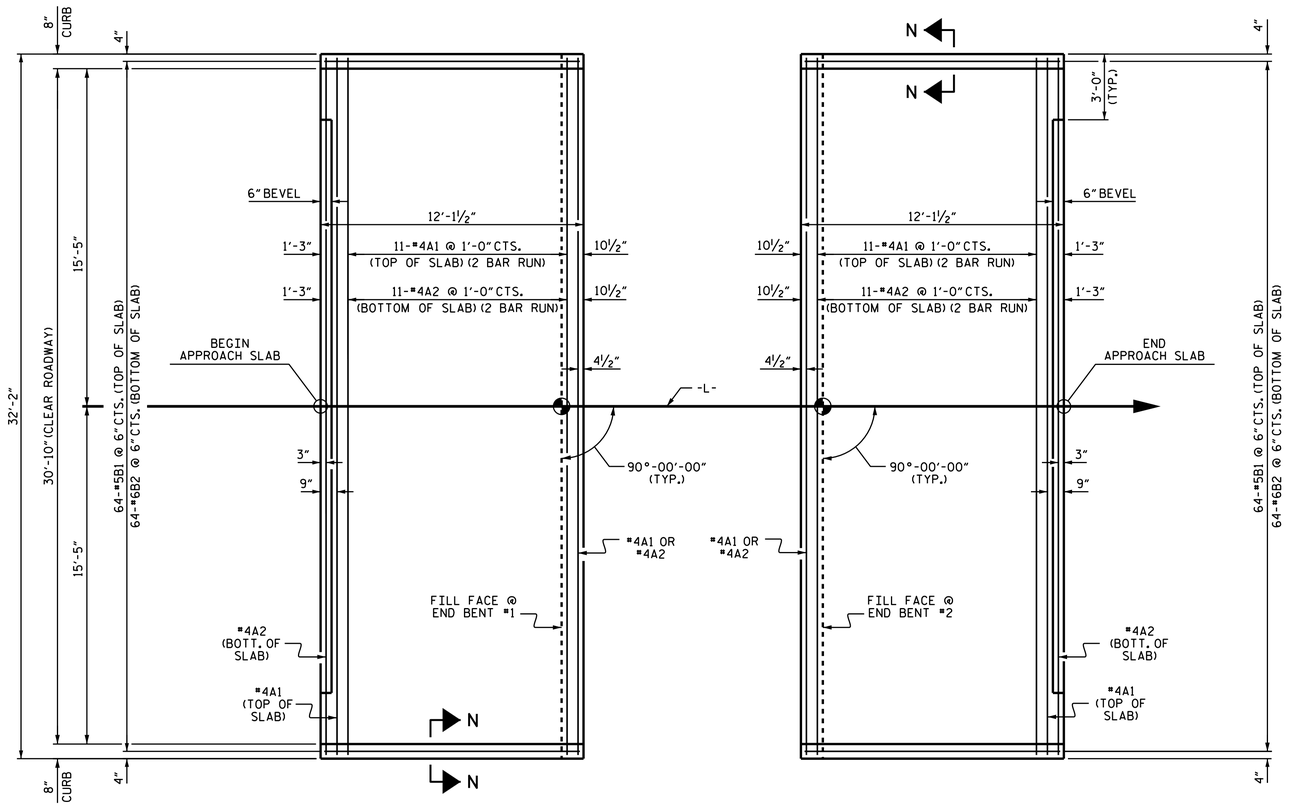



PLAN @ END BENT #1

PLAN @ END BENT #2

DIMENSIONS SHOWN ARE TYPICAL FOR BOTH APPROACH SLABS

## NOTES

FOR REINFORCED BRIDGE APPROACH FILL INCLUDING GEOTEXTILE, IMPERMEABLE GEOMEMBRANE, 4" Ø DRAINAGE PIPE, #78M STONE, AND SELECT MATERIAL, SEE ROADWAY PLANS.

AREA BETWEEN THE WINGWALL AND APPROACH SLAB SHALL BE GRADED TO DRAIN THE WATER AWAY FROM THE FILL FACE OF THE BRIDGE AND SHALL BE PAVED. SEE ROADWAY PLANS.

APPROACH SLAB GROOVING IS NOT REQUIRED.

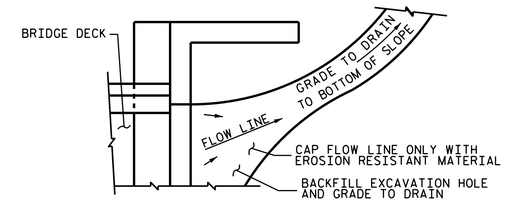
## BILL OF MATERIAL

### APPROACH SLAB AT EB #1

| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|---|---|---|---|---|---|
| * A1 | 26 | #4 | STR | 16'-11" | 294 |
| A2 | 26 | #4 | STR | 16'-9" | 291 |
| * B1 | 64 | #5 | STR | 11'-2" | 745 |
| B2 | 64 | #6 | STR | 11'-8" | 1121 |
| REINFORCING STEEL | | | | LBS. | 1412 |
| * EPOXY COATED REINFORCING STEEL | | | | LBS. | 1039 |
| CLASS AA CONCRETE | | | | C. Y. | 18.5 |

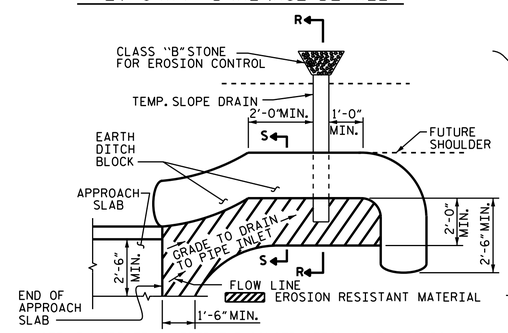
### APPROACH SLAB AT EB #2

| BAR | NO. | SIZE | TYPE | LENGTH | WEIGHT |
|---|---|---|---|---|---|
| * A1 | 26 | #4 | STR | 16'-11" | 294 |
| A2 | 26 | #4 | STR | 16'-9" | 291 |
| * B1 | 64 | #5 | STR | 11'-2" | 745 |
| B2 | 64 | #6 | STR | 11'-8" | 1121 |
| REINFORCING STEEL | | | | LBS. | 1412 |
| * EPOXY COATED REINFORCING STEEL | | | | LBS. | 1039 |
| CLASS AA CONCRETE | | | | C. Y. | 18.5 |



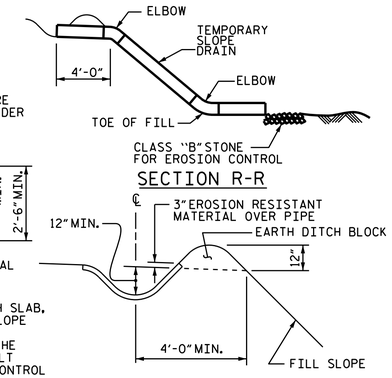

NOTE: IF THE APPROACH SLAB IS NOT CONSTRUCTED IMMEDIATELY AFTER THE BACKFILLING OF THE END BENT EXCAVATION, GRADE TO DRAIN TO THE BOTTOM OF THE SLOPE AND PROVIDE EROSION RESISTANT MATERIAL, SUCH AS FIBERGLASS ROVING OR AS DIRECTED BY THE ENGINEER TO PREVENT SOIL EROSION AND TO PROTECT THE AREA ADJACENT TO THE STRUCTURE. THE CONTRACTOR WILL BE REQUIRED TO REMOVE THESE MATERIALS PRIOR TO CONSTRUCTION OF THE APPROACH SLAB.

## TEMPORARY DRAINAGE DETAIL




NOTE: IMMEDIATELY AFTER THE CONSTRUCTION OF THE APPROACH SLAB, THE CONTRACTOR SHALL PROVIDE TEMPORARY BERM AND SLOPE DRAIN. CONTRACTOR SHALL GRADE TO PIPE INLET AND PROVIDE EROSION RESISTANT MATERIAL AS SHOWN. THE EROSION RESISTANT MATERIAL SHALL BE EITHER 1) ASPHALT PLANT MIX, TYPE 1 OR TYPE 2, MIN. 2" DEPTH, 2) EROSION CONTROL MAT, OR 3) CONCRETE, AS DIRECTED BY THE ENGINEER. THE SLOPE DRAIN SHALL CONSIST OF A NON-PERFORATED TEMPORARY DRAINAGE PIPE, 12 INCHES IN DIAMETER.

PLAN VIEW

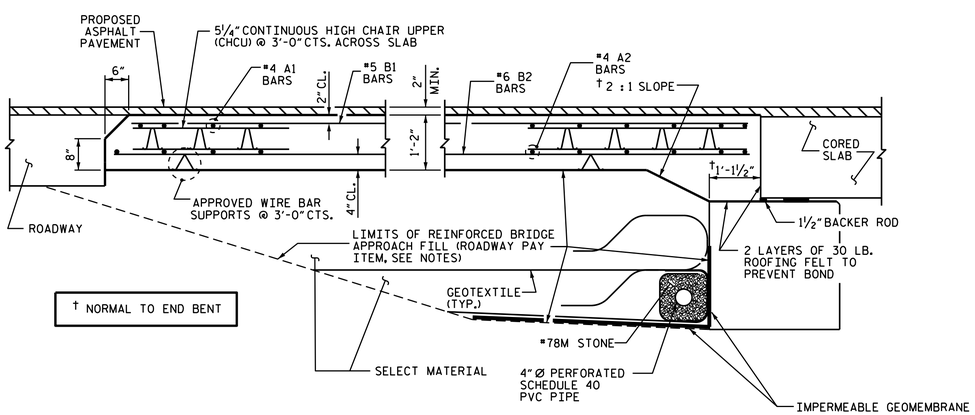



SECTION R-R

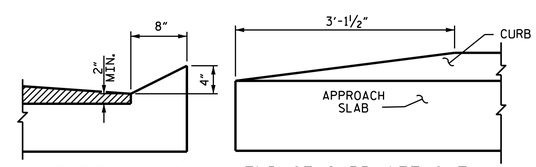
SECTION S-S

## TEMPORARY BERM AND SLOPE DRAIN DETAILS

(TO BE USED WHEN SHOULDER BERM GUTTER IS REQUIRED)




SECTION THRU SLAB




SECTION N-N

END OF CURB WITHOUT SHOULDER BERM GUTTER

## CURB DETAILS

| SPLICE LENGTHS | | |
|---|---|---|
| BAR SIZE | EPOXY COATED | UNCOATED |
| #4 | 2'-0" | 1'-9" |
| #5 | 2'-6" | 2'-2" |
| #6 | 3'-10" | 2'-7" |

PROJECT NO. B-4681

WILSON COUNTY

STATION: 16+12.50 -L-

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

STANDARD
BRIDGE APPROACH SLAB
FOR PRESTRESSED CONCRETE
CORED SLAB UNIT
(SUB-REGIONAL TIER)
90° SKEW

NORTH CAROLINA PROFESSIONAL SEAL 21271 ENGINEER GREGORY W. DICKEY

DocuSigned by: Greg Dickey 2/19/2015
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| REVISIONS | | | | | | | | SHEET NO. |
|---|---|---|---|---|---|---|---|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | | | S-15 |
| 1 | | | 3 | | | | | TOTAL SHEETS |
| 2 | | | 4 | | | | | 15 |

| | | | |
|---|---|---|---|
| ASSEMBLED BY : | A. K. PATEL | DATE : 06/2014 | |
| CHECKED BY : | P. N. HOLDER | DATE : 06/2014 | |
| DRAWN BY : SHS/MAA 5-09 | | REV. 12-11 | MAA/AAC |
| CHECKED BY : BCH 5-09 | | | |

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STD. NO. BAS_33_90S