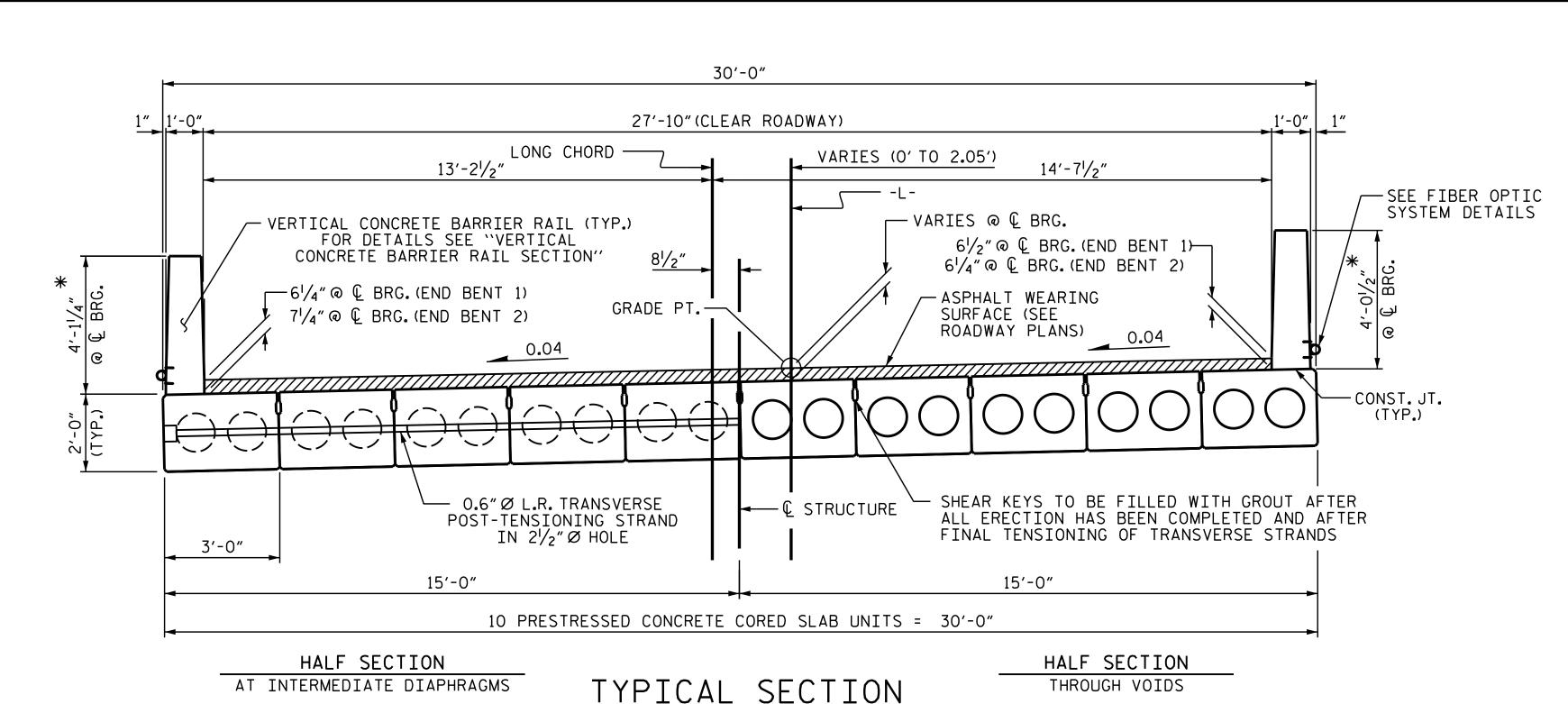
+



* - THE MAXIMUM BARRIER RAIL HEIGHT AND ASPHALT THICKNESS IS SHOWN. THE HEIGHT OF THE

BARRIER RAIL AND ASPHALT THICKNESS VARIES WHILE THE TOP OF THE BARRIER RAIL FOLLOWS THE PROFILE OF THE GUTTERLINE. FOR RAIL HEIGHT DETAILS AND ASPHALT THICKNESS, SEE THE

1'-6" 1'-6" 81/2" 91/2" 91/2" 81/2" C 21/2" Ø DOWEL HOLES 1'-2" 4" 4" 1'-2" #5 S15— -**#**5 S15 -#4 S14 #5 S10~

END ELEVATION

SHOWING PLACEMENT OF DOUBLE STIRRUPS AND LOCATION OF DOWEL HOLES. (STRAND LAYOUT NOT SHOWN.)
INTERIOR SLAB UNIT SHOWN-EXTERIOR SLAB UNIT SIMILAR EXCEPT SHEAR KEY LOCATION.

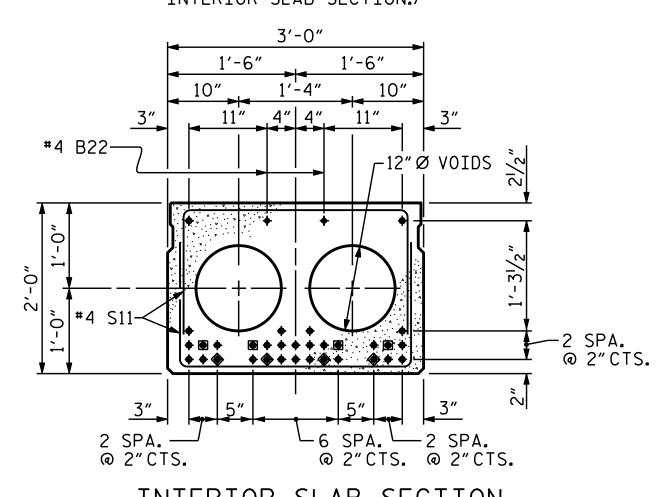
EXTERIOR SLAB SECTION

1'-4"

3¾"CL.

10"

(FOR PRESTRESSED STRAND LAYOUT, SEE INTERIOR SLAB SECTION.)



INTERIOR SLAB SECTION (32 STRANDS REQUIRED)

0.6'' Ø RELAXATION STRAND LAYOUT

- BOND SHALL BE BROKEN ON THESE STRANDS FOR A DISTANCE OF 12'-0"FROM END OF CORED SLAB UNIT. SEE STANDARD SPECIFICATIONS, ARTICLE 1078-7.
- BOND SHALL BE BROKEN ON THESE STRANDS FOR A DISTANCE OF 10'-0" FROM END OF CORED SLAB UNIT. SEE STANDARD SPECIFICATIONS, ARTICLE 1078-7.

DEBONDING LEGEND

PROJECT NO. BR-0108 WILKES COUNTY

18+28.00 -L-

SHEET 1 OF 3

5/18/2021

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION RALEIGH

 $3'-0" \times 2'-0"$ PRESTRESSED CONCRETE CORED SLAB UNIT

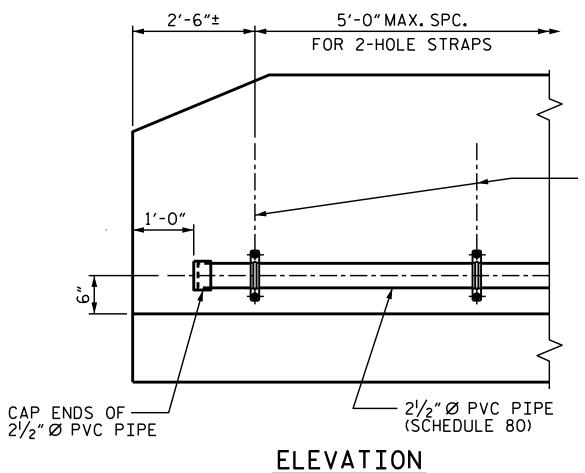
REVISIONS SHEET NO. NO. BY: S-5 DATE: DATE: BY: TOTAL SHEETS

"VERTICAL CONCRETE BARRIER RAIL SECTION" DETAIL. ASPHALT- $-2\frac{1}{2}$ " Ø DOWEL HOLE WEARING SURFACE 111111 12"Ø→ r-----VOIDS C 1'-11/2" SEE "BRIDGE" APPROACH SLAB" SHEET FOR DETAILS 2 LAYERS OF 30 LB. ÷ ROOFING FELT TO PREVENT BOND. ELASTOMERIC BEARING PAD 11/2" Ø BACKER ROD -SEE "END BENT" SHEETS FOR DETAILS & #6 DOWELS

SECTION AT END BENT

0.6" Ø L.R. TRANSVERSE POST-TENSIONING STRAND —HOLE FOR SHEATHED WITH A TRANSVERSE STRAND NON-CORROSIVE PIPE. -STRAND VISE -FILL RECESS WITH GROUT OF EXTERIOR $5^{1}/4^{4} \times 10^{1}/4^{4}$ ELEVATION VIEW SECTION B-B

GROUTED RECESS AT END OF POST-TENSIONED STRAND · CORED SLABS



1/4" × 21/4" GALV. —— CONCRETE ANCHORS $2^{1/2}$ " 15 GAUGE ZÍNC COATED EPOXIED INTO CONCRETE 2-HOLE STRAPS AND CONCRETE ANCHORS

2-HOLE STRAP @ 5'-0" MAX. CTS. SECTION

SHEAR KEY DETAIL

NOTE: OMIT SHEAR KEY ON OUTSIDE FACE OF EXTERIOR CORED SLABS.

FACE OF EXTERIOR UNIT AND RECESSED 3/4". SIZE TO BE DETERMINED BY CONTRACTOR. —

PERMITTED THREADED INSERT CAST IN OUTSIDE

FIBER OPTIC CONDUIT SYSTEM DETAILS

21/2"Ø SCHEDULE 80 PVC PIPE ATTACHED TO THE BACK OF BOTH RAILS FOR FUTURE FIBER OPTIC CABLE.

THREADED INSERT DETAIL



ms consultants, inc. 5444 Wade Park Blvd. Suite 160 Raleigh, NC 27607 Jeffrey Kepich 5/18/2021 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED NC License Number: C-3239

DATE : 03/21 J.M. KEPICH CHECKED BY : L.M. SAMPLES DATE : 04/21 DESIGN ENGINEER OF RECORD : J.M. KEPICH DATE : 05/21