## NOTES FOR PRECAST CAP DETAILS AND BILL OF MATERIAL, SEE "PRECAST PIECE B-01" AND "PRECAST PIECE B-02" 47′-2″ 29'-1" 18'-1" FOR GROUT FOR STRUCTURES, SEE SPECIAL PROVISIONS. FOR 3'-8" x 3'-0" PRESTRESSED CONCRETE BENT CAPS, $15' - 8 \frac{1}{2}''$ 15'-81/2" 15′-9″ SEE SPECIAL PROVISIONS. 15′-8″ 15′-8″ 15'-8" CAP ELEVATIONS (PIECE B-01) (PIECE B-02) (PIECE B-01) LT. TOP | -L- TOP | RT. TOP | RT. BOT OPENING OPENING OF CAP OF CAP OF CAP OF CAP OF CAP $1'-3\frac{1}{2}''$ 9.46′ 11.73′ 11.28′ 8.28′ 12.46′ 8.70′ 9.88′ 12.88′ 12.15′ 11.70′ 10.22′ 13.22′ 12.49′ 12.04′ 9.04′ 1'-7" 1'-5" (TYP.) 9.22′ 10.40′ 12.67′ 12.22′ 13.40′ BENT CONTROL LINE — 12.23′ 10.41′ 12.68′ 9.23′ 13.41′ & Q PILES \_\_\_\_2'-6" X 8" X 1" 12.08′ 10.26′ 13.26′ 12.53′ 9.08′ ELASTOMERIC BEARING PAD (TYP.) /--- 90°-00′-00″ C BEARING — AHEAD SPAN (TYPE I AT BENTS 1, 3, 4, 6, 7 & 9) 12.25′ 9.98′ 12.98′ 11.80′ 8.80′ & ANCHOR BOLTS (TYPE II AT BENTS 2,5 & 8) 9.59′ 12.59′ 11.86′ 11.41′ 8.41′ 9.21′ 12.21′ 11.48′ 11.03′ 8.03′ TOP OF PILE ELEVATIONS PILE NO. BENT 1 BENT 2 BENT 3 BENT 4 BENT 5 BENT 6 BENT 7 BENT 8 BENT 9 11.19' | 10.91' | 10.53' | 10.14' 11.34′ 10.39′ | 10.81′ | 11.16′ | 11.33′ 11.21′ 10.78′ | 10.39′ | 10.01′ 11.03′ 11.20′ 11.06′ 10.13′ | 10.55′ | 10.89′ | 11.07′ 11.08′ 10.93′ | 10.65′ | 10.26′ | 9.88′ W.P. ---BACK SPAN 10.42′ | 10.76′ | 10.94′ 10.95′ 10.51′ | 10.13′ | 9.75′ —— SEE DETAIL ''A'' 10.80′ BETWEEN PRECAST BENT CAP PIECES 10.81′ 10.67' | 10.38' | 10.00' | 9.61' 10.29′ | 10.63′ 10.81′ PLAN 10.50′ 10.68′ 10.54′ 9.48′ 9.60′ | 10.02′ | 10.37′ | 10.55′ 10.55′ 10.41′ | 10.12′ | 9.74′ | 9.35′ (PILE BLOCKOUTS AND GROUT PIPES NOT SHOWN FOR CLARITY) 9.22′ 10.42′ 10.28′ 9.89' | 10.24' | 10.41′ 9.99′ 9.61′ 9.34' | 9.76' | 10.11' | 10.28' | 10.29' | 10.14' | 9.86' | 9.48' | 9.09' --- WORKLINE —— © CORED SLAB UNIT 47'-2" 2'-6" (TYP.) 15′-8<sup>|</sup>/<sub>2</sub>″ 15'-8 1/2" 15′-9″ 1'-7" (TYP.) 15′-8″ 15′-8″ 15′-8″ (PIECE B-01) (PIECE B-01) (PIECE B-02) 91/2" 91/2" Q BEARING & -ANCHOR BOLTS $\overline{(TYP.)}$ OPENING -L- TOP — −2″Ø GROUT OPENING PIPE (TYP.) RT. TOP OF CAP LT. TOP —— OF CAP TOP & BOTTOM OF CAP BENT CONTROL LINE -c'' = = = **=** = '' = ' c<sub>1</sub>\_ = = = = = <sub>1</sub>\_ , -|-| = = = = |-| - $1'' \varnothing$ X 3'-6'' SWEDGED ANCHOR BOLT $\overline{--}$ LT.BOTTOM —— OF CAP TO PROJECT 2'-0" ABOVE CAP (SEE SHEET S-9 FOR DETAILS) BLOCKOUT (TYP.) ′-0″MIN. (TYP. EA. SIDE) EMBEDMENT ──RT.BOTTOM (TYP.) OF CAP DIMENSIONS ARE TYPICAL FOR EACH CORED SLAB UNIT. △ 2′-6″ X 8″ X 1″ PILES NOT SHOWN FOR CLARITY. ELASTOMERIC BEARING PAD (TYP.) BR-0160 (TYPE I AT BENTS 1, 3, 4, 6, 7 & 9) PROJECT NO. (TYPE II AT BENTS 2, 5 & 8) © 1" OPENING ──► ← Û 1" OPENING BRUNSWICK COUNTY 5'-0" 21 + 77.50 - L -2'-7" 5'-3" 5′-3″ 5′-3″ 5′-3″ 5′-3″ 5′-3″ 5′-3″ 5′-3″ 2'-7" SHEET 1 OF 4 STATE OF NORTH CAROLINA £ 20" CFRP PRESTRESSED 5CB2 2383F98475... F SEAL DEPARTMENT OF TRANSPORTATION CONCRETE PILES RALEIGH 8 (5) 6 4 SUBSTRUCTURE 18442 PRECAST BENT ELEVATION FOR 2" Ø GROUT PIPE AND PILE BLOCKOUT DETAILS, SEE SHEET 4 OF 4. RS&H Architects-Engineers-Planners, Inc. SHEET NO REVISIONS 8521 Six Forks Road, Suite 400 Raleigh, NC 27615 S-35 DATE: DATE: BY: NO. BY: MRA \_DATE : <u>01/2023</u> DRAWN BY : \_\_\_\_ OCUMENT NOT CONSIDERED TOTAL SHEETS 919-926-4100 FAX 919-846-9080 \_ DATE : <u>01/2023</u> MKO FINAL UNLESS ALL Signatures completed CHECKED BY : \_\_ www.rsandh.com \_ DATE : <u>03/2023</u> DESIGN ENGINEER OF RECORD: RLB 42 North Carolina License Nos. 50073 \* F-0493 \* C-28 3/29/2023 X:\P\1034226004\_BR-0160 Brunswick 15\Design\Structures\CAD\401\_069\_BR0160\_SMU\_PB\_S-35\_090015.dgn