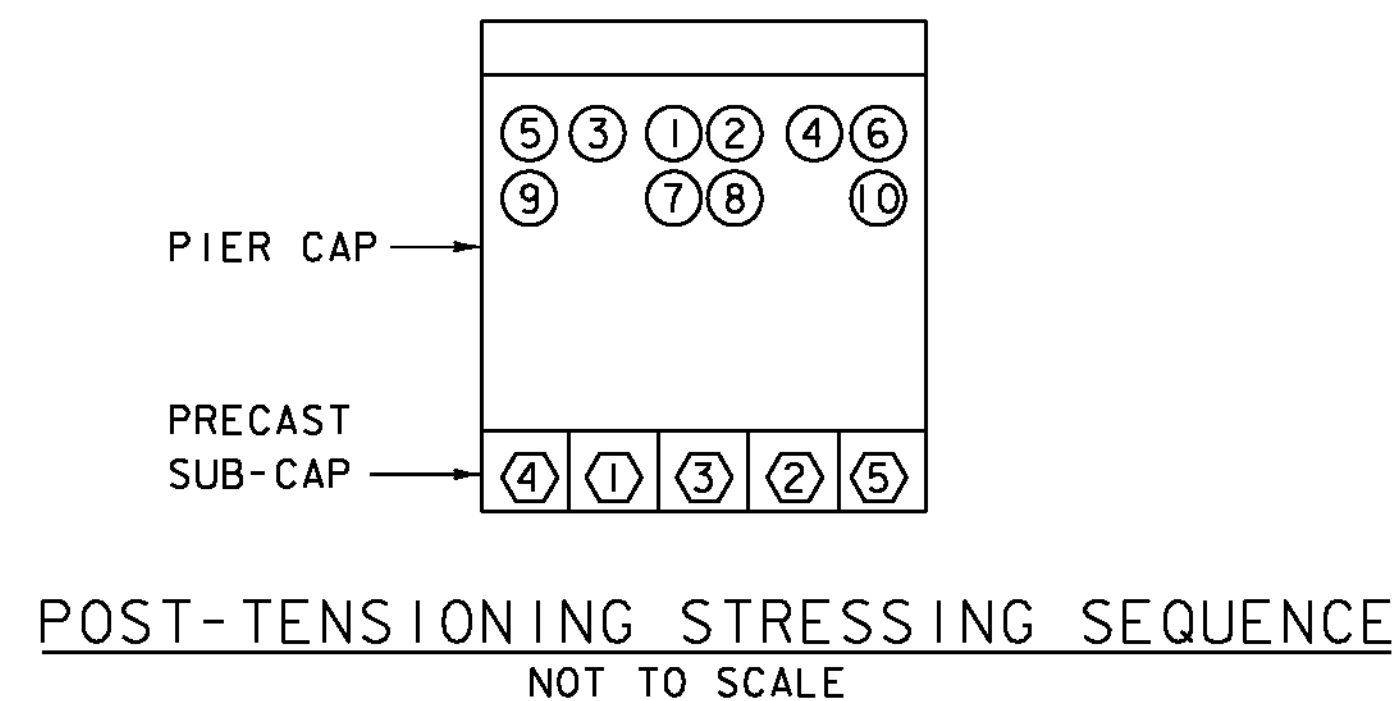


PIER SCHEMATIC
SCALE 3/8" = 1'-0"



LEGEND:

⊕ = PIER CAP POST-TENSIONING SEQUENCE

⊕ = SUB-CAP POST-TENSIONING SEQUENCE
(SEE CONSTRUCTION SEQUENCE NOTES 4, 5, AND 6 FOR SUB-CAP POST-TENSIONING STAGING)

CONSTRUCTION SEQUENCE NOTES:

GENERAL: THE CONSTRUCTION SEQUENCE SHOWN FOR THIS PIER REPRESENTS THE GENERAL SEQUENCE OF CONSTRUCTION FOR WORK FLOW ONLY. THE CONTRACTOR IS RESPONSIBLE FOR COMPLETENESS OF CONSTRUCTION AS REQUIRED TO CONSTRUCT THE PIER AS DETAILED IN THESE PLANS.

1. INSTALL PILES AND CONSTRUCT PIER FOOTING.
2. CONSTRUCT COLUMN, CHECKING VERTICAL REINFORCING STEEL EXTENDING FROM THE TOP OF COLUMN FOR PROPER ALIGNMENT AND PLUMBNESS PRIOR TO PLACING COLUMN CONCRETE. ALIGNMENT OF VERTICAL REINFORCING STEEL IS CRITICAL TO ENSURE CORRECT ORIENTATION OF PRECAST SUB-CAP. COORDINATE PLACEMENT OF VERTICAL REINFORCING STEEL WITH SLEEVES IN PRECAST SUB-CAP AS SHOWN IN THE PLANS.
3. ERECT PRECAST SUB-CAP, SHIMMING TO PROPER ELEVATION. CHECK ALIGNMENT OF SUB-CAP. INSTALL ANCHOR PLATE AND NUT ON VERTICAL THREADBAR TO "SNUG TIGHT" CONDITION. GROUT SHEAR KEY AND VERTICAL SLEEVES FOR COLUMN TO SUB-CAP CONNECTION. INSTALL COUPLER TO RECEIVE THE SECOND STAGE THREADBAR.
4. INSTALL AND STRESS PRECAST SUB-CAP POST-TENSIONING BARS 1 & 2 (SEE STRESSING SEQUENCE DIAGRAM, THIS SHEET). ONCE BARS ARE STRESSED, GROUT EACH BAR PER THE APPROVED DETAILS, AND IN ACCORDANCE WITH THE POST-TENSIONING SPECIAL PROVISION.
5. ERECT STRUCTURAL STEEL. SHIM PLATE GIRDERS TO PROPER ELEVATION.
6. INSTALL AND STRESS PRECAST SUB-CAP POST-TENSION BARS 3, 4, & 5 (SEE STRESSING SEQUENCE DIAGRAM, THIS SHEET). ONCE BARS ARE STRESSED, GROUT EACH BAR PER THE APPROVED DETAILS, AND IN ACCORDANCE WITH THE POST-TENSIONING SPECIAL PROVISION.
7. FILL PRECAST SUB-CAP BLOCKOUT POURBACKS FOR POST-TENSIONING ANCHORS AT EACH END OF SUB-CAP IN ACCORDANCE WITH THE POST-TENSIONING SPECIAL PROVISION.
8. FORM PIER CAP AND INSTALL REINFORCING STEEL AND TRANSVERSE POST-TENSIONING DUCTS. INSTALL SECOND STAGE VERTICAL THREADBARS (TERMINATING AT TOP OF PIER CAP). INSTALL ANCHOR PLATE AND NUTS AT TOP OF SECOND STAGE THREADBAR. PLACE PIER CAP CONCRETE AS DETAILED IN THE PLANS.
9. INSTALL AND STRESS PIER CAP POST-TENSION BARS 1 THRU 10 (SEE STRESSING SEQUENCE DIAGRAM, THIS SHEET). ONCE BARS ARE STRESSED, GROUT EACH BAR PER THE APPROVED DETAILS, AND IN ACCORDANCE WITH THE POST-TENSIONING SPECIAL PROVISION.
10. FILL PIER CAP BLOCKOUT POURBACKS FOR POST-TENSIONING ANCHORS AT EACH END OF PIER CAP IN ACCORDANCE WITH THE POST-TENSIONING SPECIAL PROVISION.
11. CONSTRUCT BRIDGE DECK AND FINAL STAGE OF INTEGRAL ABUTMENTS AS SHOWN IN THE PLANS AND IN ACCORDANCE WITH THE DECK POURING SEQUENCE.
12. CONSTRUCT BRIDGE RAIL.

PROJECT NAME: JAMAICA

PROJECT NUMBER: ER-BRF 013-1(16)

FILE NAME: z11b212sub.pier.const.dgn

PLOT DATE: 12-OCT-2012

PROJECT LEADER: K. HIGGINS (VTRANS)

DRAWN BY: B.J. MASSE

DESIGNED BY: K.G. KRETSCH

CHECKED BY: G.S. GOODRICH

PIER CONSTRUCTION SEQUENCE

SHEET 38 OF 85