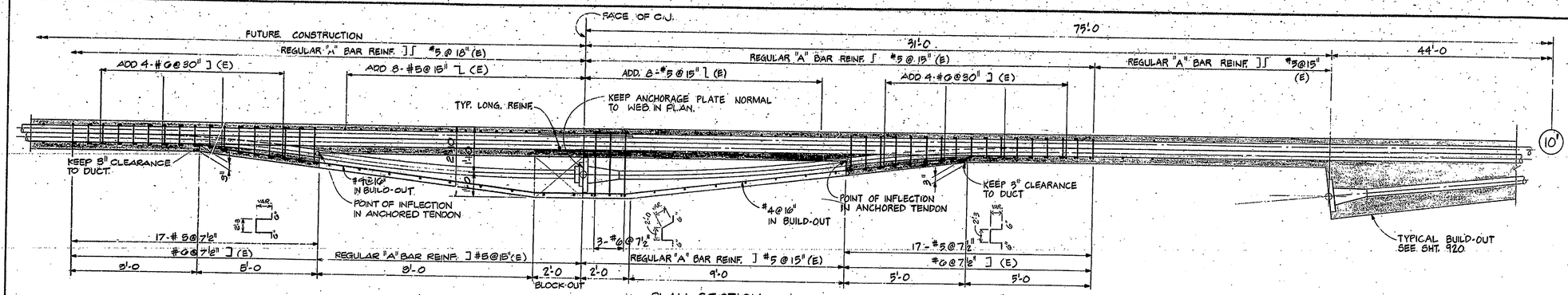
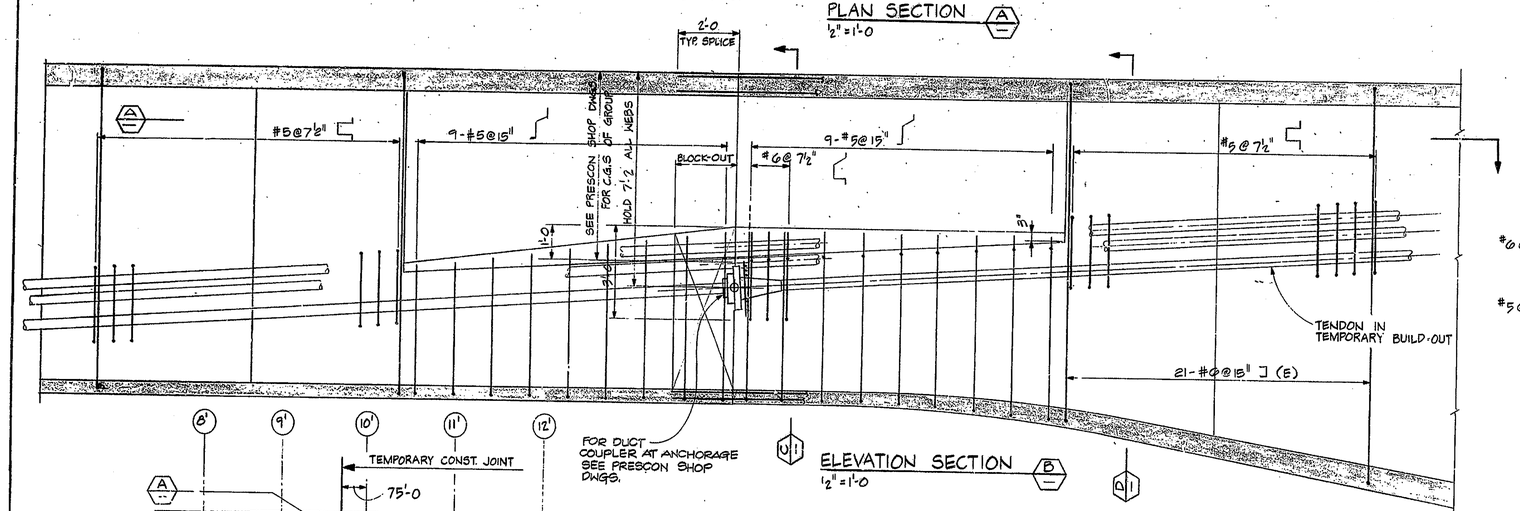
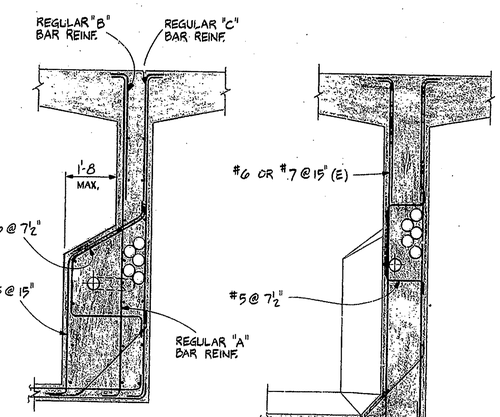


PLAN SECTION (A)
½" = 1'-0

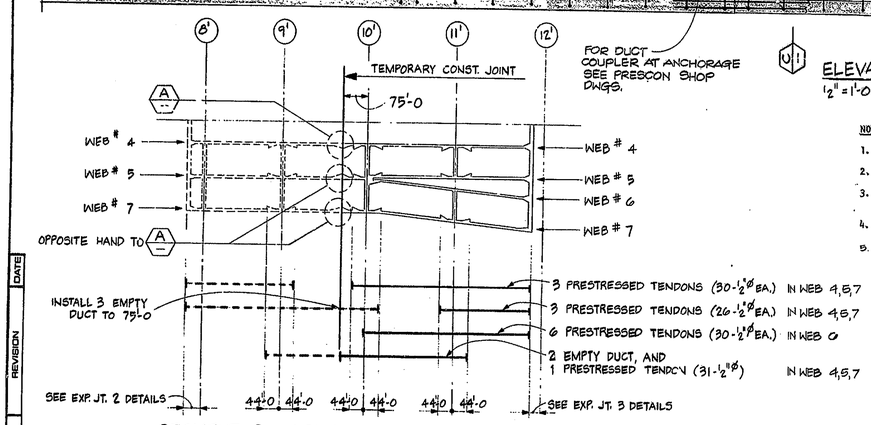


ELEVATION SECTION (B)
½" = 1'-0



SECTION (C)
½" = 1'-0

SECTION (D)
½" = 1'-0



SEGMENT 2 CABLE LAYOUT FOR W.B.L. (E)
N.T.S.

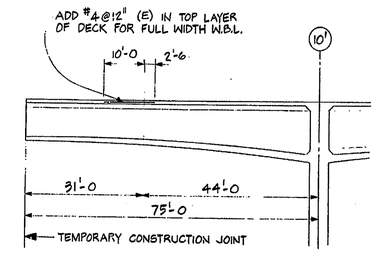
NOTES

1. All reinf. in deck marked with notation (E) shall be epoxy coated.
2. No splices allowed in vertical reinf. at build-out, unless noted.
3. Final prestressing details shall be approved by the Engineer before commencing work.
4. Add #4 bar @ 12" O.C. at top of whole width of deck as shown on (F)
5. EFFECTIVE PRESTRESSING FORCE AT MID-SPAN BETWEEN PIER 10' AND 11' FOR EACH WEB IS 770K.

CONSTRUCTION SEQUENCE BEFORE WINTER 1980

1. Refer to T.Y. Lin's Sheet #1100, following the steps from 1 to 4. Refer to Prescon's Sheet #PT2-1, latest revision, for tendon members.
2. Continue to pour concrete up to 75 feet east from centerline of Pier 10' and form a small build-out, as shown, near the end of the pour in Webs #4, #5 and #7.
3. After concrete gains strength, stress post-tensioning tendon T30 in Web #5, T27 in Web #4, and T33 in Web #7 at the temporary build-out.
4. Leave the falsework between new build-out and Pier 11' during winter.
5. In the Spring of 1981, continue to pour, stress Tendons T25, T26, T28, T29, T31, and T32 in Webs #4, #5, and #7 respectively.
6. De-tension Tendon T30 in Web #5, T27 in Web #4, and T33 in Web #7. Remove temporary strands and insert short length of duct at the block-out area, making build-out tendon one continuous duct. Concrete the block-out area and thread new, longer strands in the duct. Post-tension following original design sequence.
7. Follow all other steps listed on Drawing #1100.

W. B. Schaefer 6-15-81



KEY SECTION (F)
N.T.S.

DATE	REVISION	N

T. Y. LIN INTERNATIONAL
STRUCTURAL ENGINEERS

REID, QUEBE, ALLISON, WILCOX AND ASSOCIATES INC.
CONSULTING ENGINEERS

T. Y. LIN REGISTERED No. 18266 STATE OF INDIANA PROFESSIONAL ENGINEER

WALSH CONSTRUCTION COMPANY
A DIVISION OF GUY F. ATKINSON CO.
DARIEN, CONNECTICUT

SHEET TITLE
PRESTRESSING DETAILS FOR TEMPORARY CONSTRUCTION JOINT

CLINE AVENUE EXTENSION OVER INDIANA HARBOR CANAL
BRIDGE FILE: 912-45-2648 CONTRACT NO. 8-11612
INDIANA STATE HIGHWAY COMMISSION

REVISION △ | FEB 1981

SHEET N.
923 A