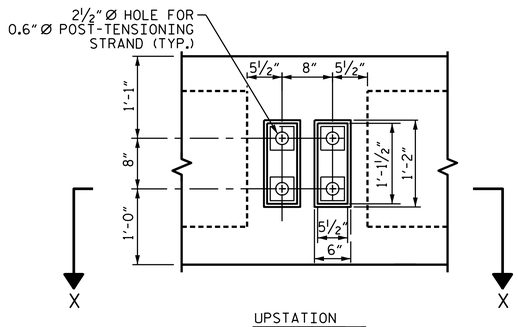
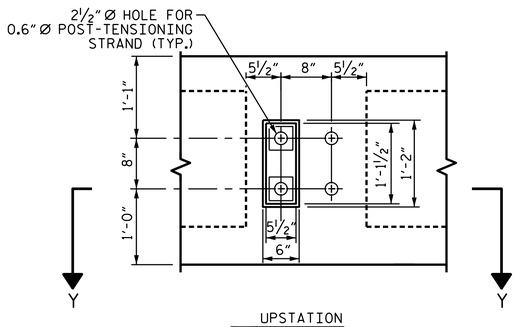
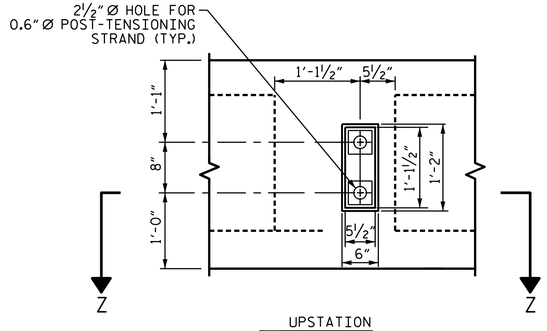
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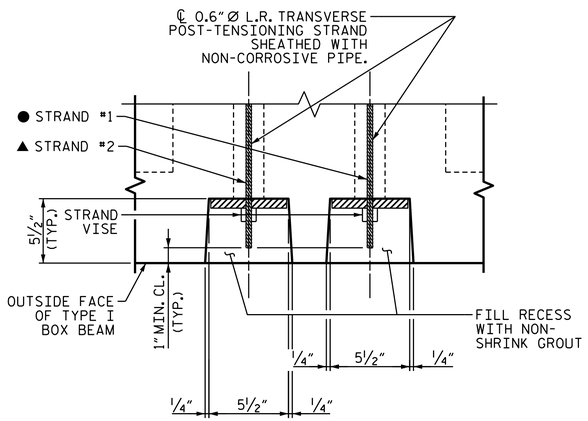
VIEW A-A
SEE SHEET 1 OF 6



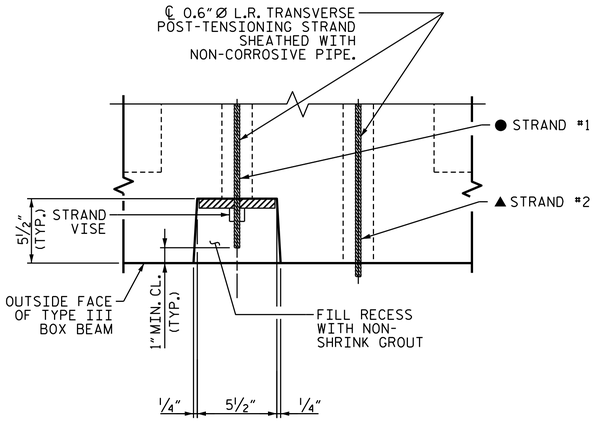
VIEW B-B
SEE SHEET 1 OF 6



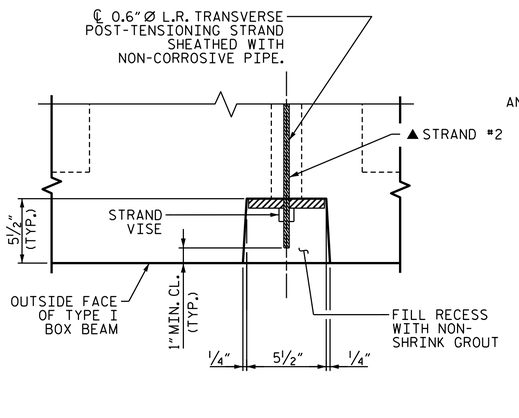
VIEW C-C
SEE SHEET 1 OF 6



SECTION X-X



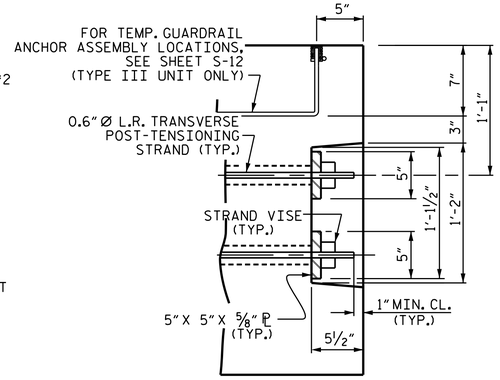
SECTION Y-Y



SECTION Z-Z

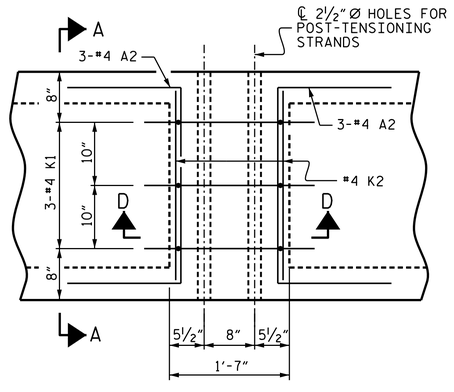
● STRAND #1 GOES THROUGH 5 BOX BEAM UNITS (TO BE TENSIONED DURING STAGE I CONSTRUCTION)

▲ STRAND #2 GOES THROUGH ALL 10 BOX BEAM UNITS (TO BE TENSIONED DURING STAGE II CONSTRUCTION)

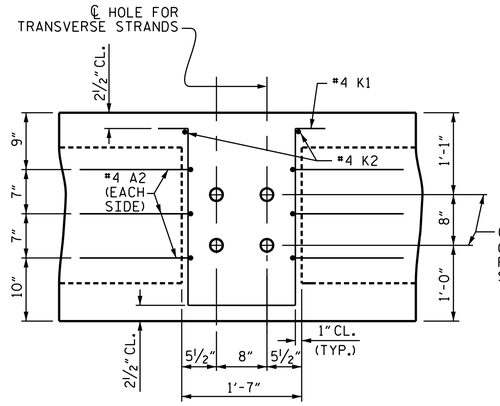


PART SECTION AT RECESS

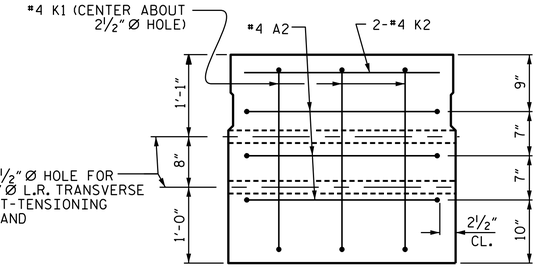
GROUTED RECESS AT END OF POST-TENSIONED STRAND OF BOX BEAMS



PLAN



SECTION D-D



SECTION A-A
VOIDS NOT SHOWN

DOUBLE DIAPHRAGM DETAILS

#4 "S" BARS NOT SHOWN. #4 "S" BARS MAY BE SHIFTED SLIGHTLY TO CLEAR 2½" Ø HOLE.
(STAGE II SHOWN; STAGE I SIMILAR)

PROJECT NO. BP14-R014
SWAIN COUNTY
STATION: 12+45.82 -L-

SHEET 2 OF 6

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

3'-0" X 2'-9" PRESTRESSED CONCRETE BOX BEAM UNIT

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-8
1			3			TOTAL SHEETS
2			4			25

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NORTH CAROLINA PROFESSIONAL SEAL 044167 ENGINEER ELIZABETH F. LAWES
7/20/2026
DocuSigned by: Elizabeth F. Lawes
935E64223CD547C...

WSP USA Inc.
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
TEL: 1.919.836.4040
LICENSE NO. F-0165

DESIGNED BY:	E. LAWES	DATE :	OCT 2024
DRAWN BY:	E. LAWES	DATE :	APR 2026
CHECKED BY:	P. GALLAGHER	DATE :	APR 2026
DESIGN ENGINEER OF RECORD:	E. LAWES	DATE :	APR 2026

7/20/2026
401_013_BP14_R014_SMU_BB02_07.dgn