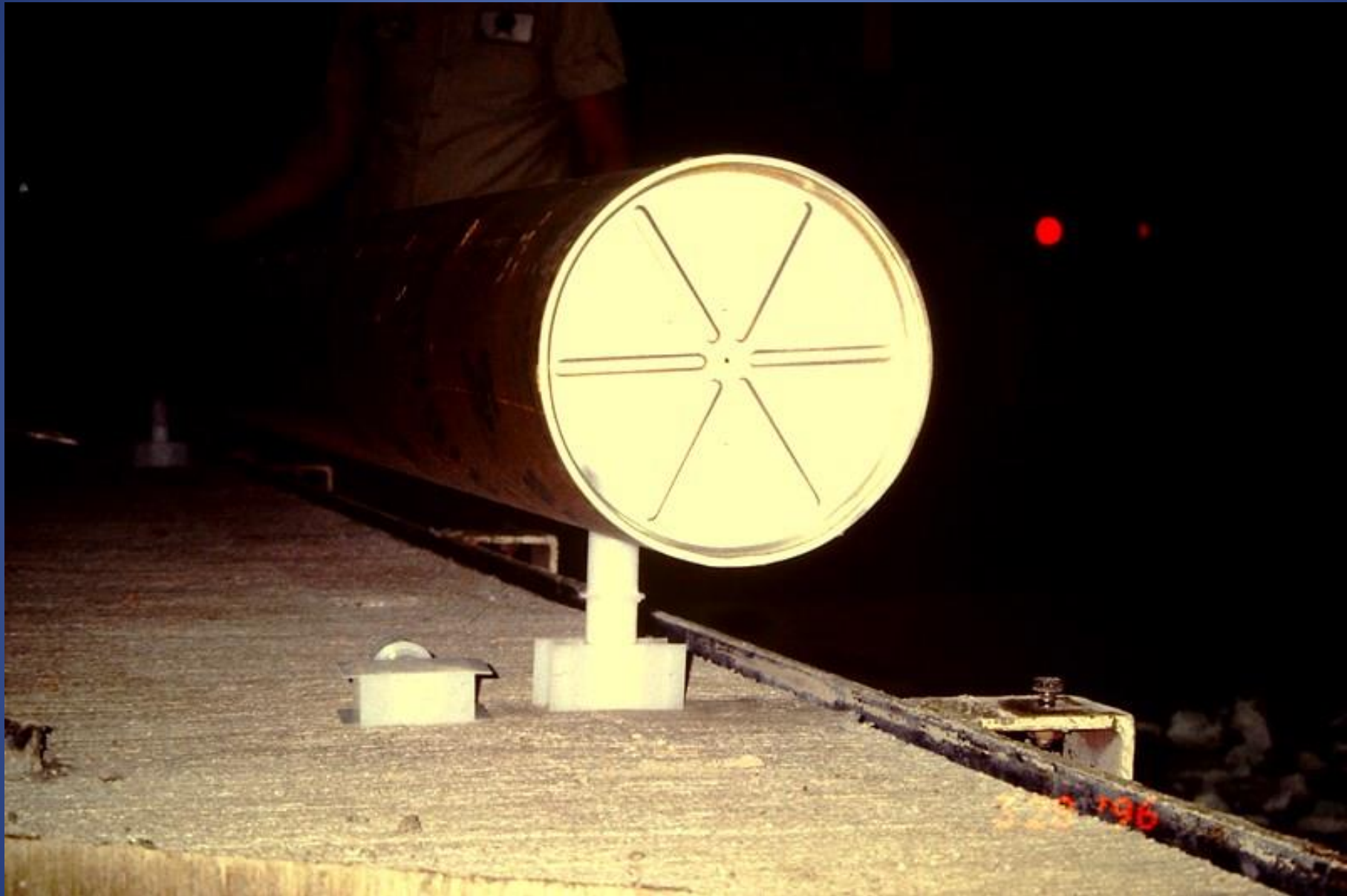




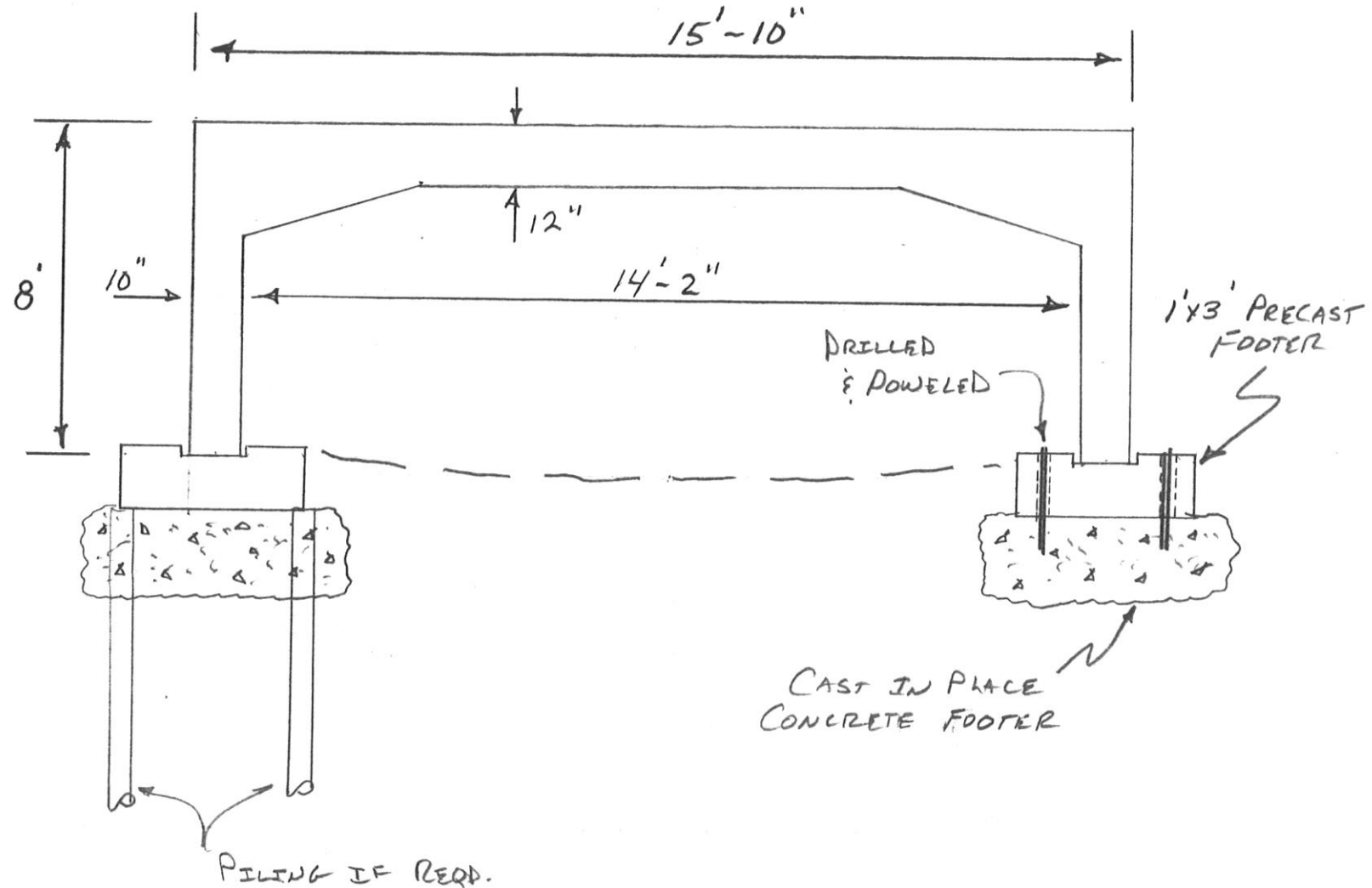


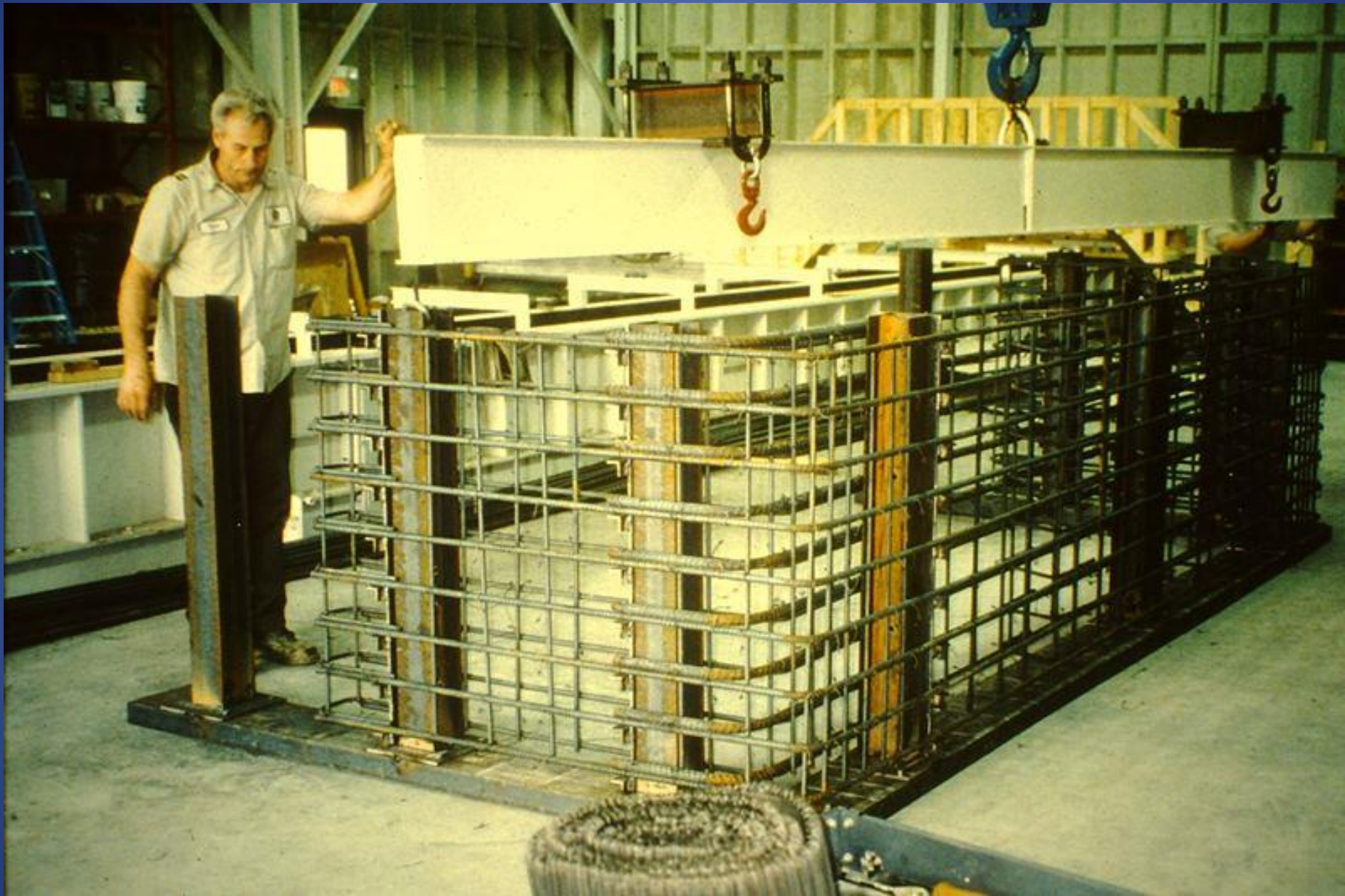


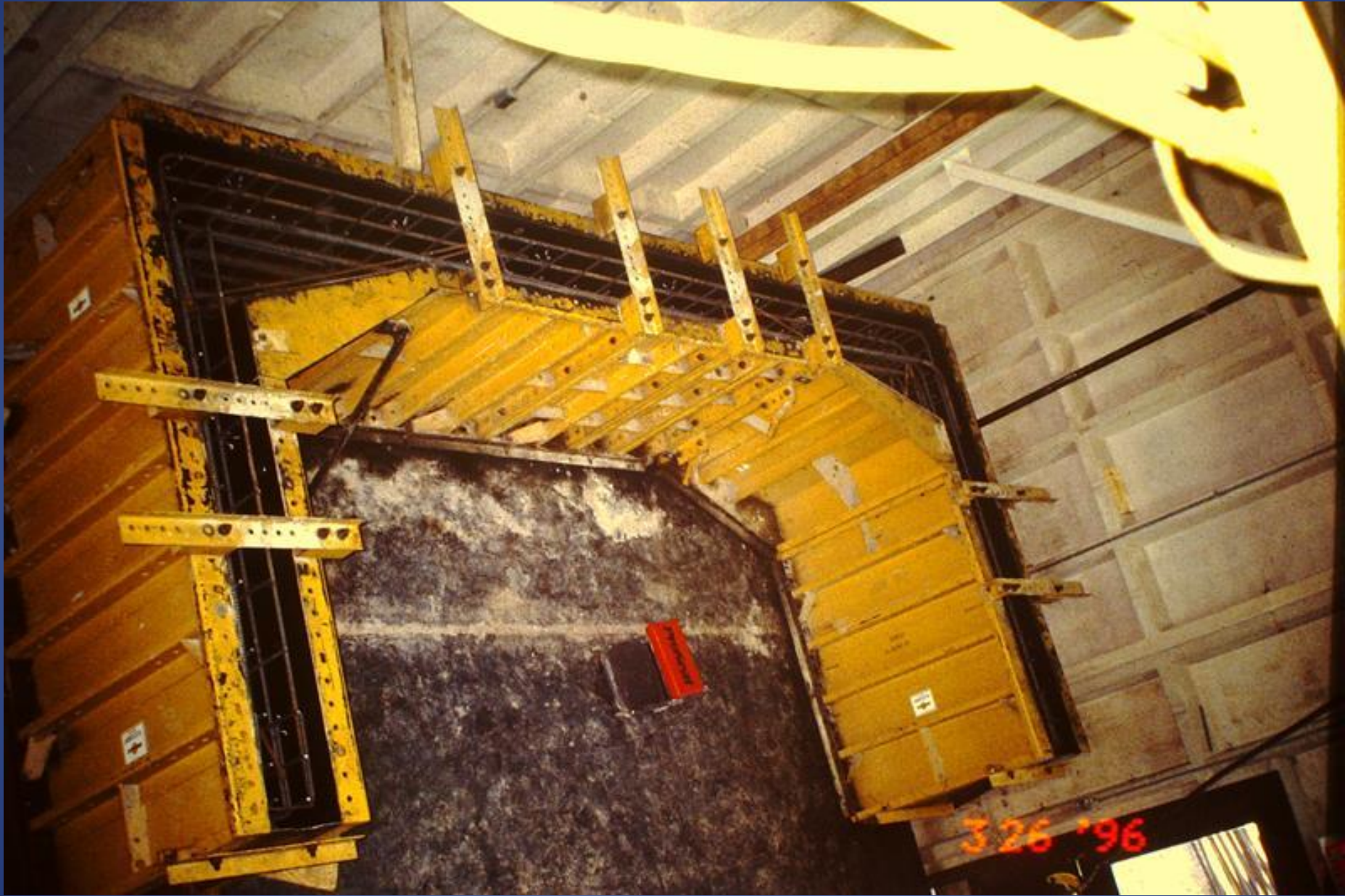




3 – Sided Box on Precast Footers













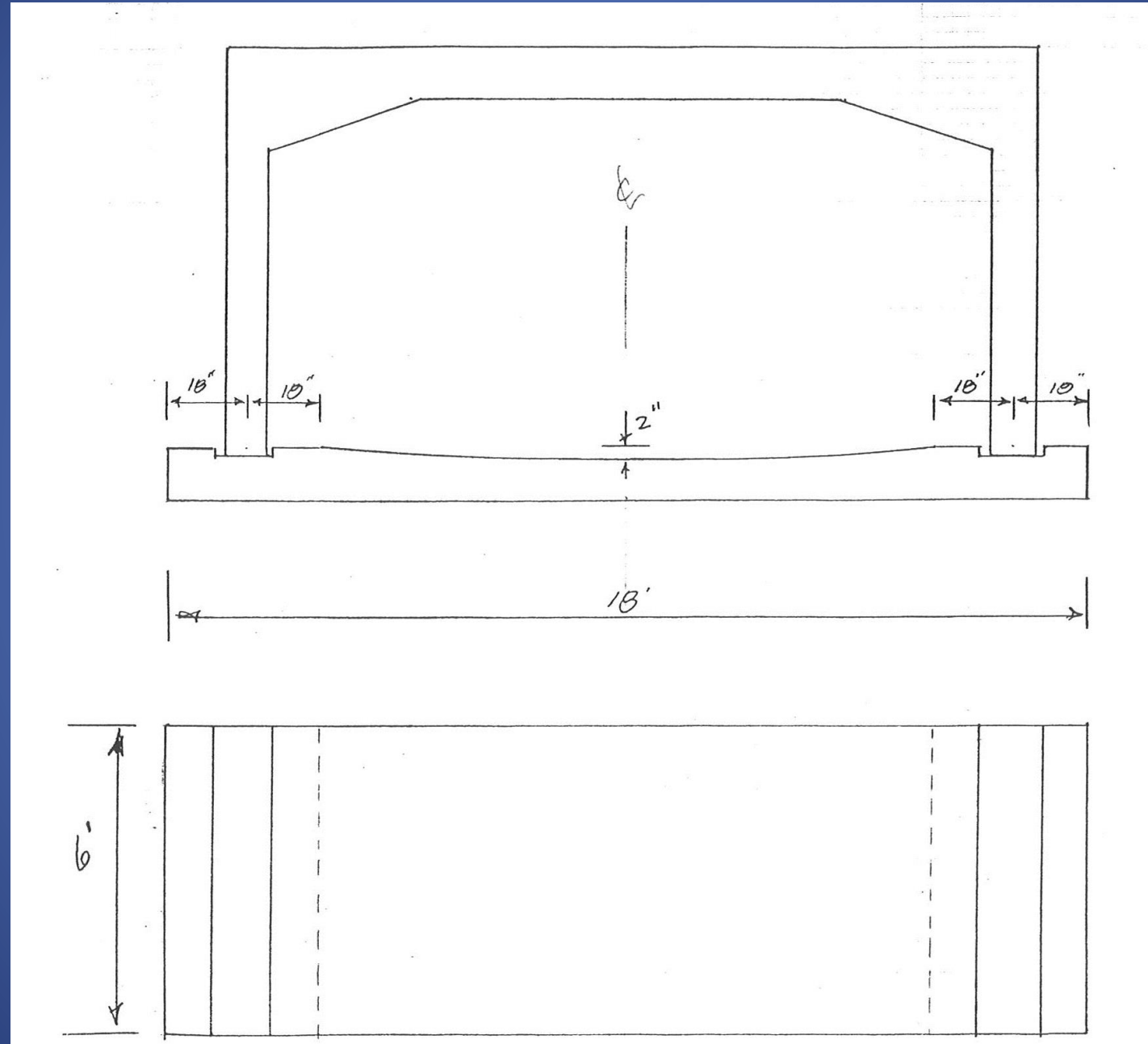


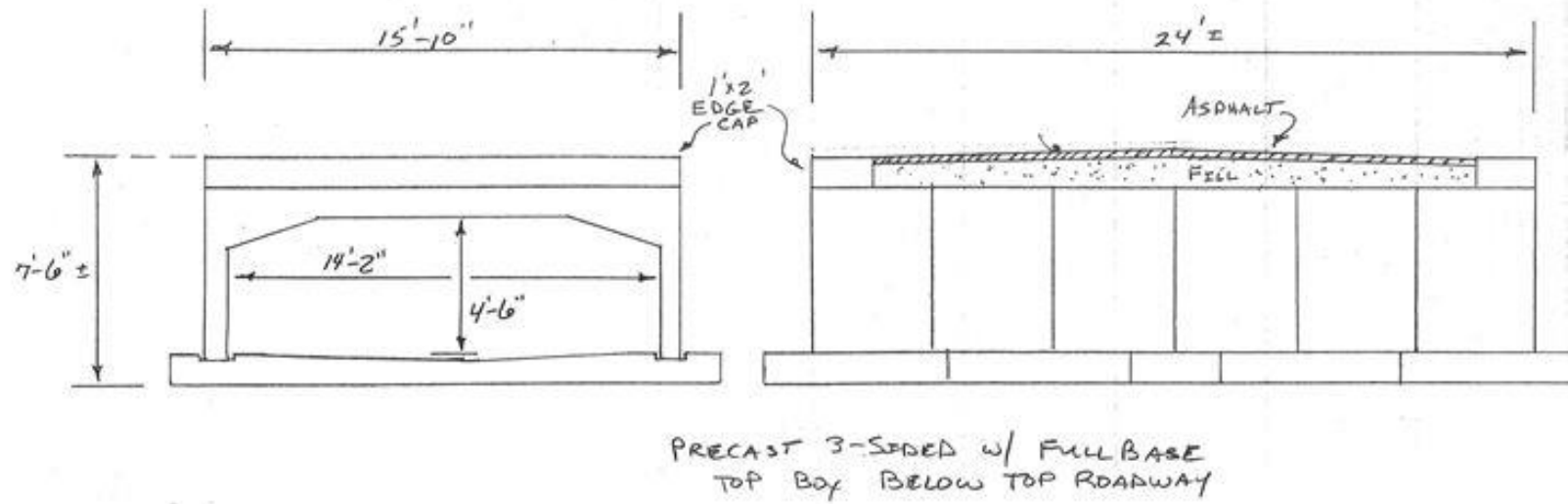
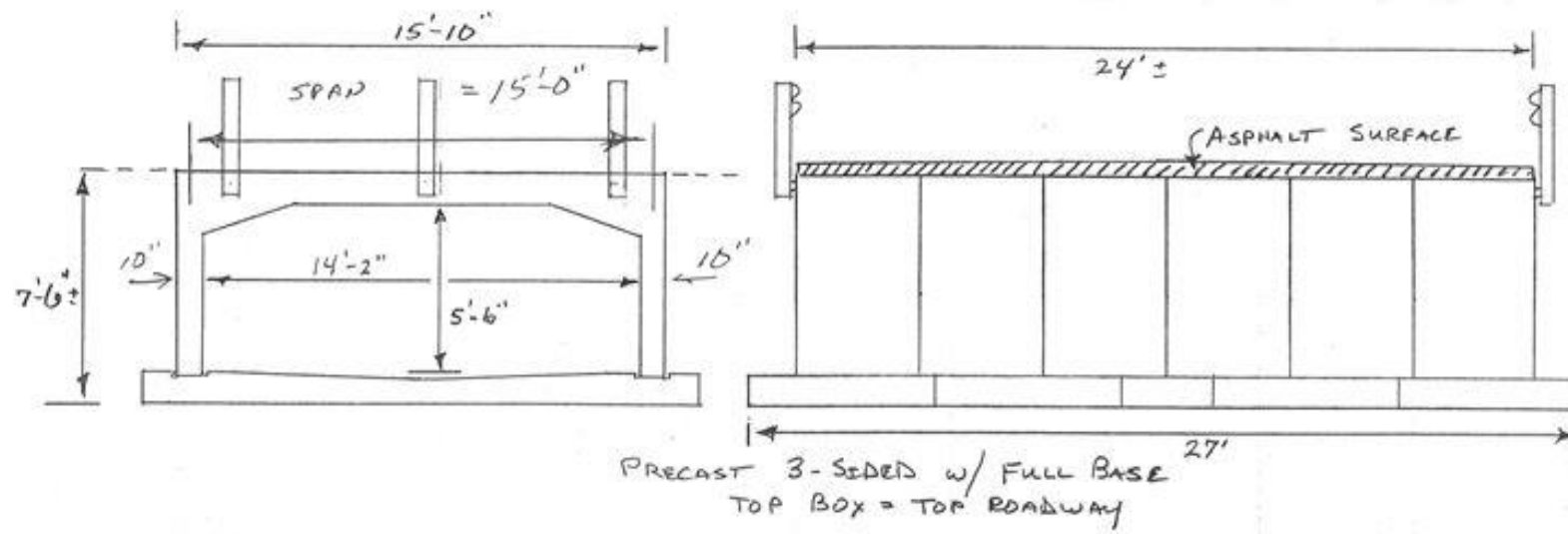




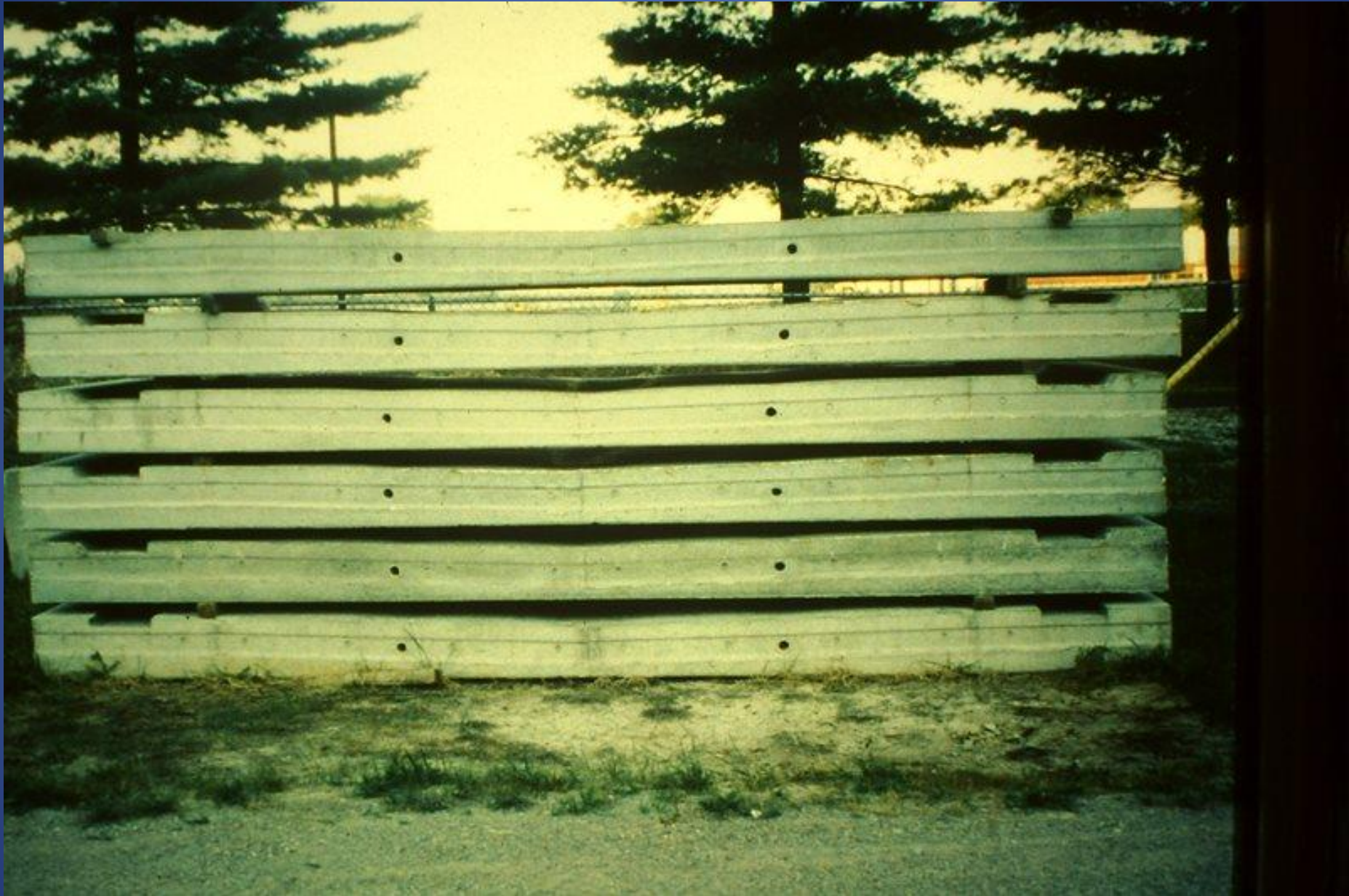


3 – Sided Box on Precast Bottom









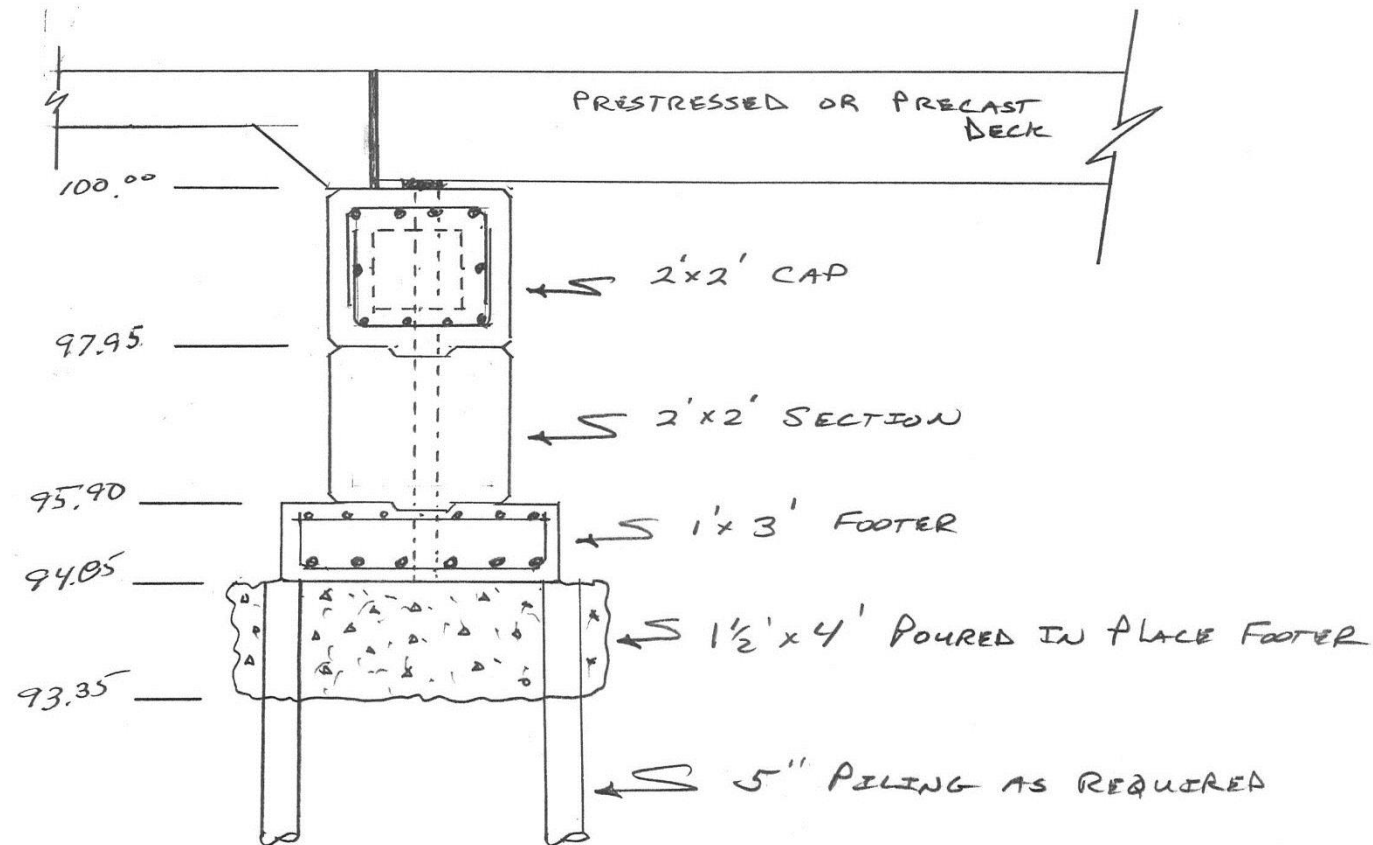








2' x 2' and 1' x 3' Abutment Sections



TYPICAL 5' PRECAST
ABUTMENT







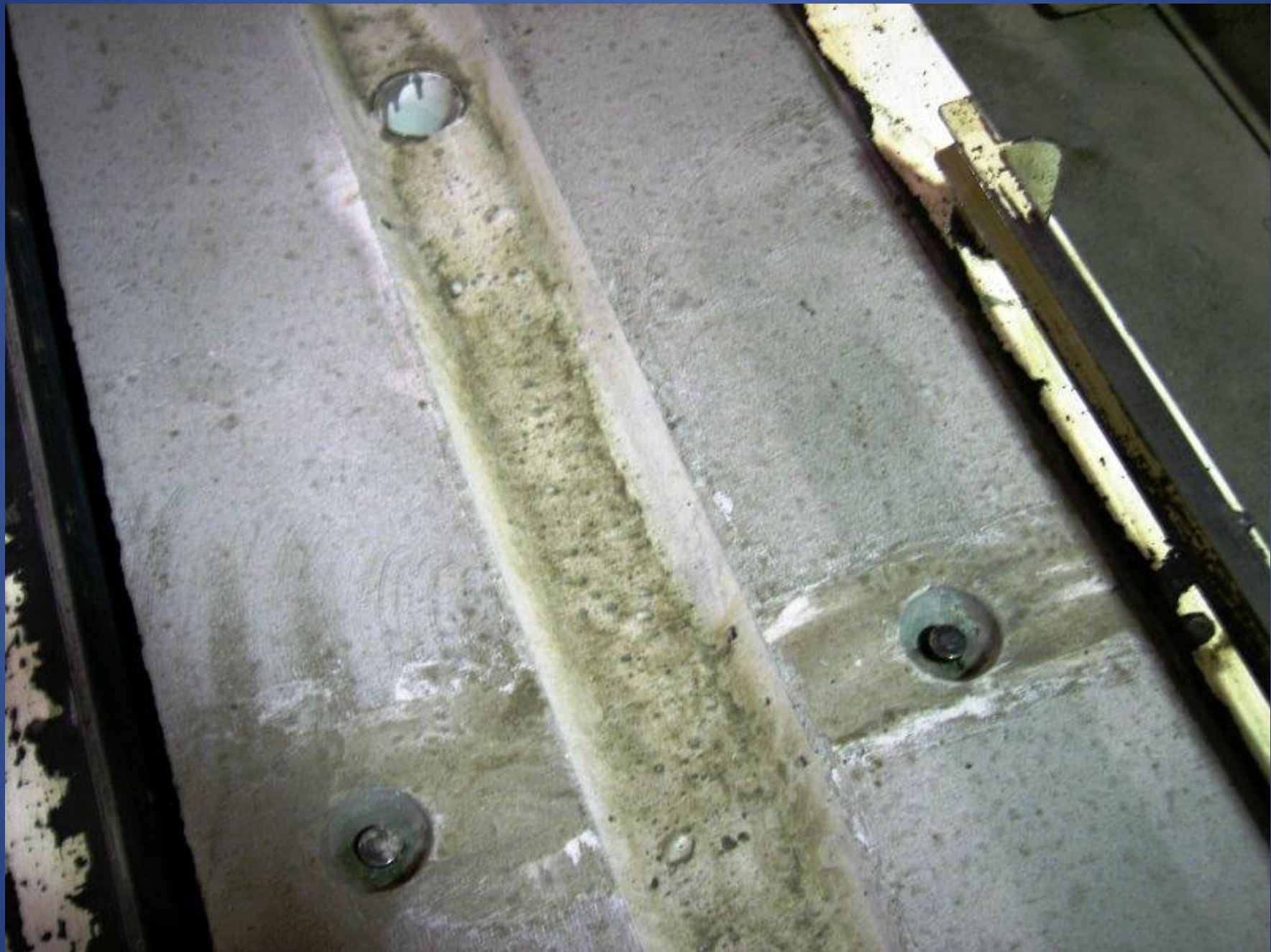








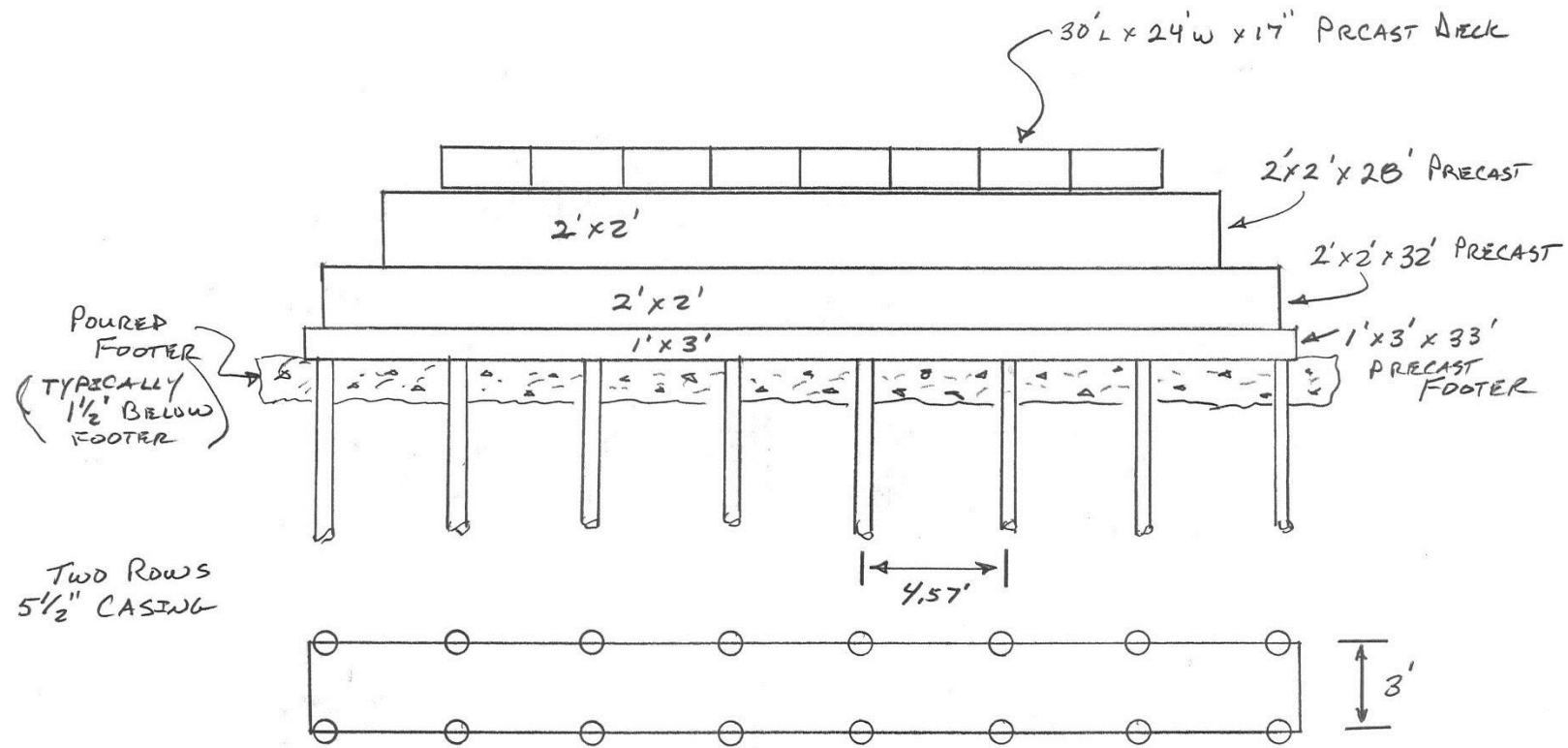








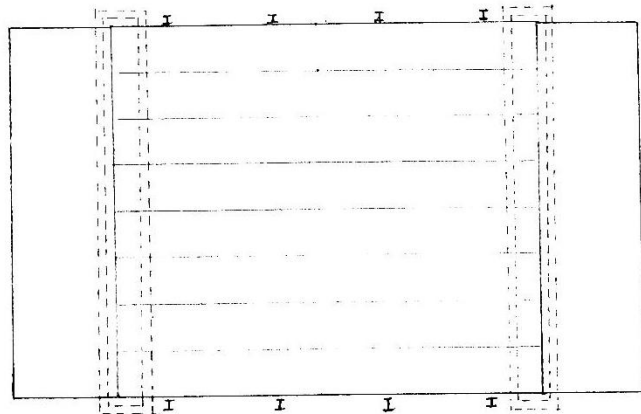
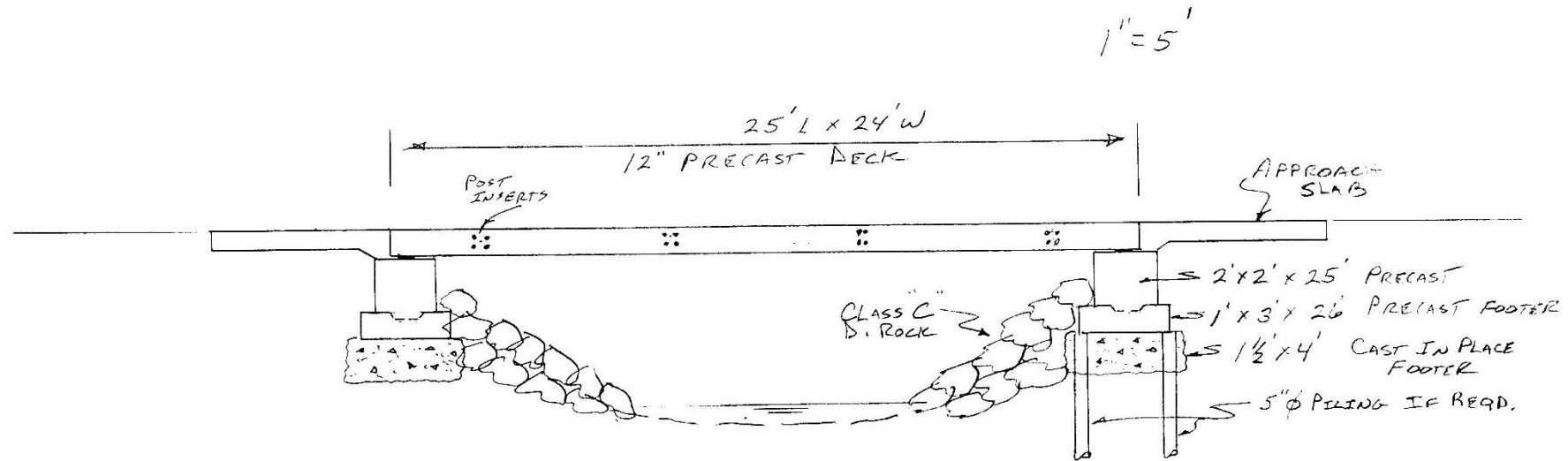
TYPICAL ABUTMENT
(MANY TIMES ONLY ONE
2'x2' PRECAST SECTION USED)



PLAN VIEW OF FOOTER

I TRY TO KEEP SPACING BETWEEN 4' & 5'
SPACED EVENLY, DEPENDING ON LENGTH OF
FOOTER & SOIL CONDITIONS.

(THIS CASE $32' / 7 = 4.57'$)



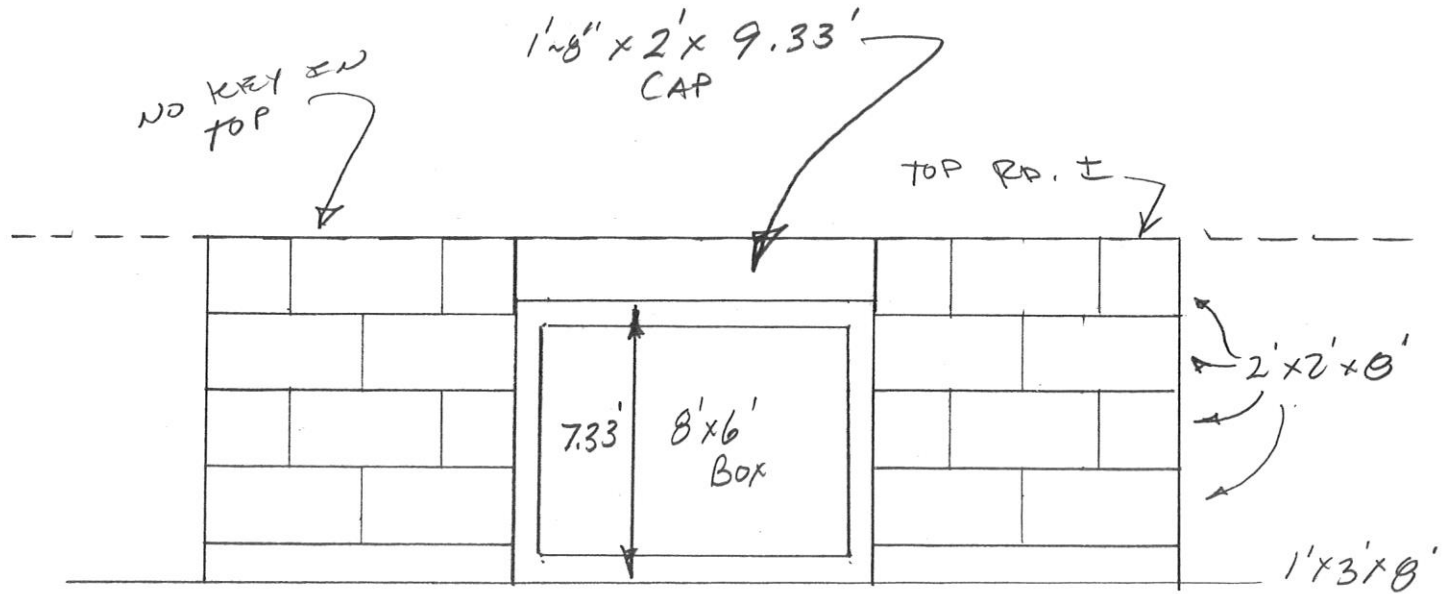
$1'' = 10'$

25' DECK BEAMS ARE
12" x 3' WIDE. BRIDGE
WIDTH IN 3' INCREMENTS

26' to 30' BEAMS ARE
17" x 3'.

W. R. SHAW
1-21-97

Box Culvert Wingwalls



	<u># REQD</u>
2'x2'x8'	16
1'x3'x8'	4
1'-8" x 2' x 9.33	2





















Non Typical Precast Abutments For Long Span Abutments

