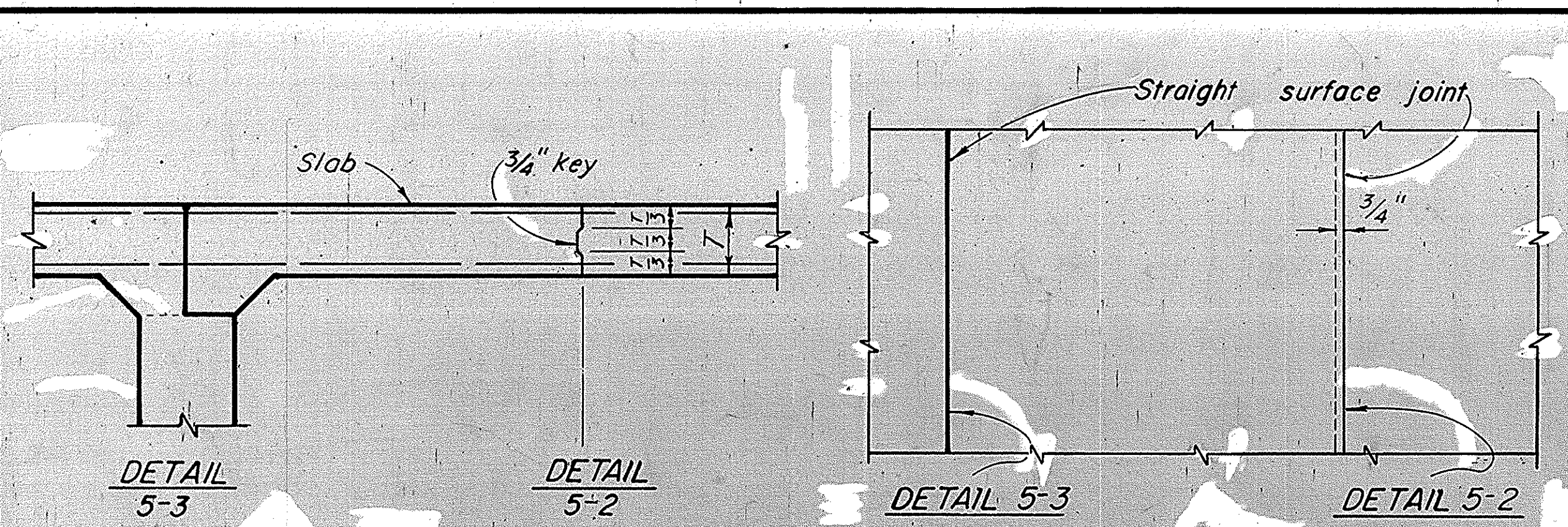
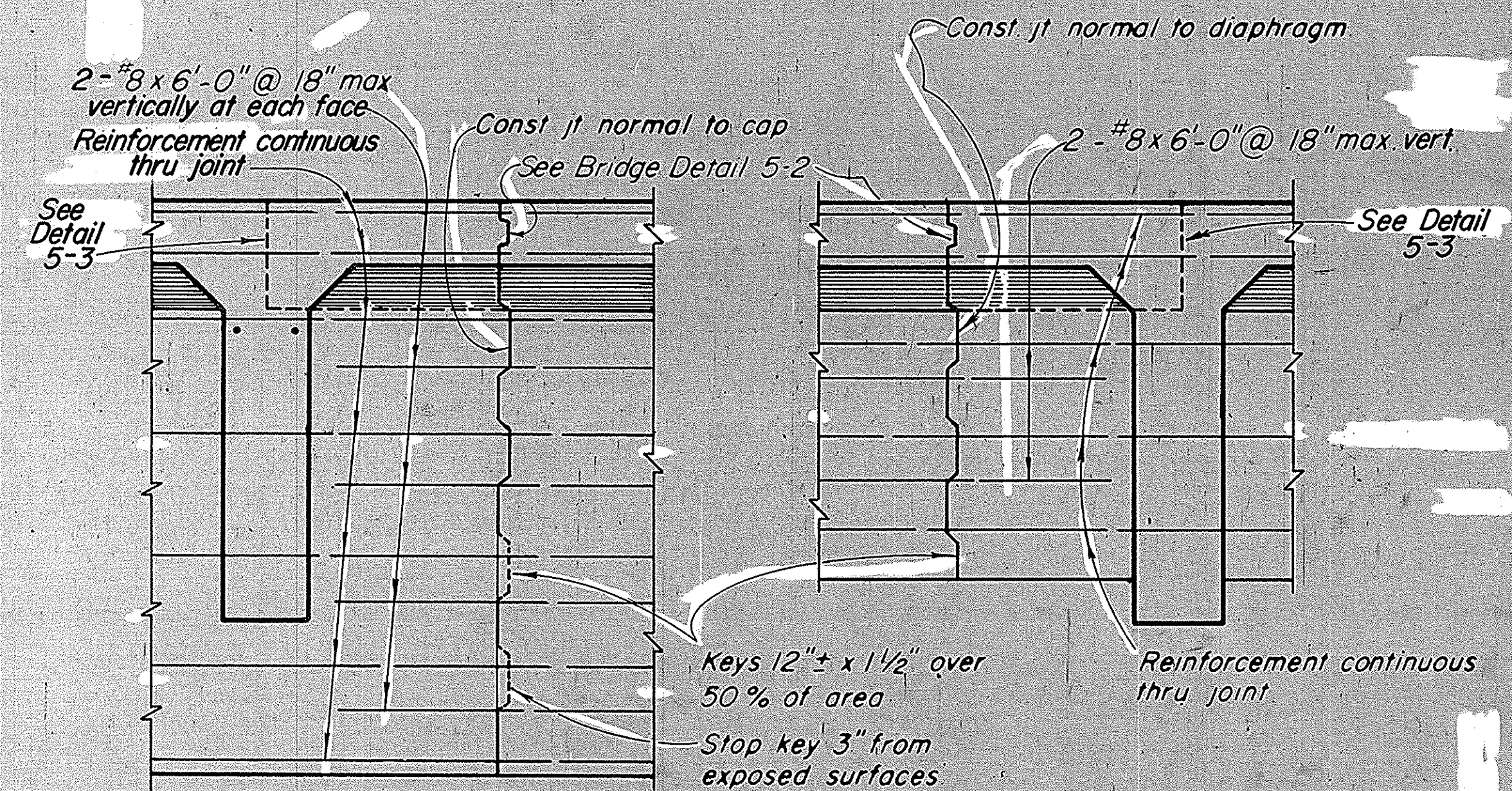


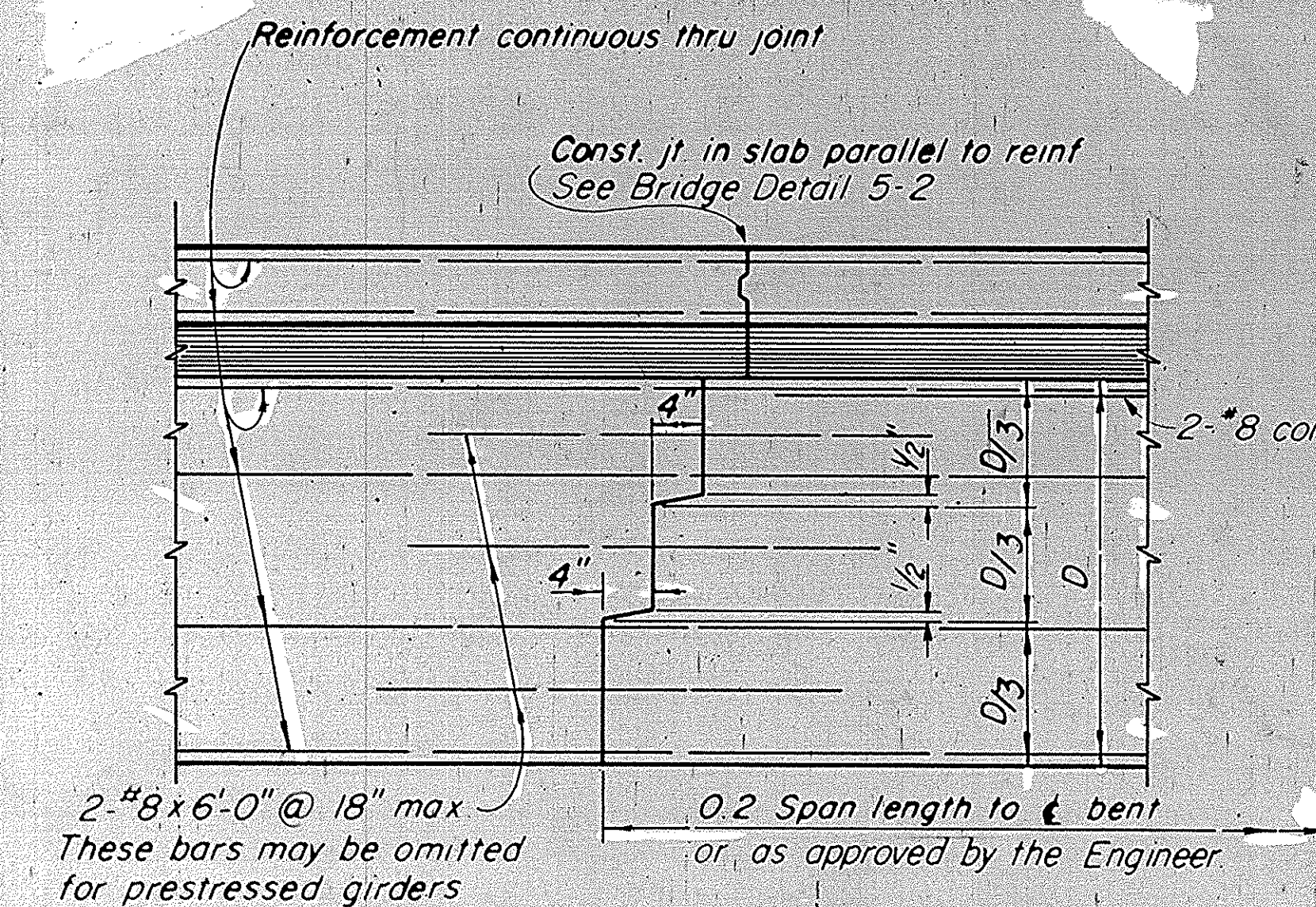


Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the engineer.

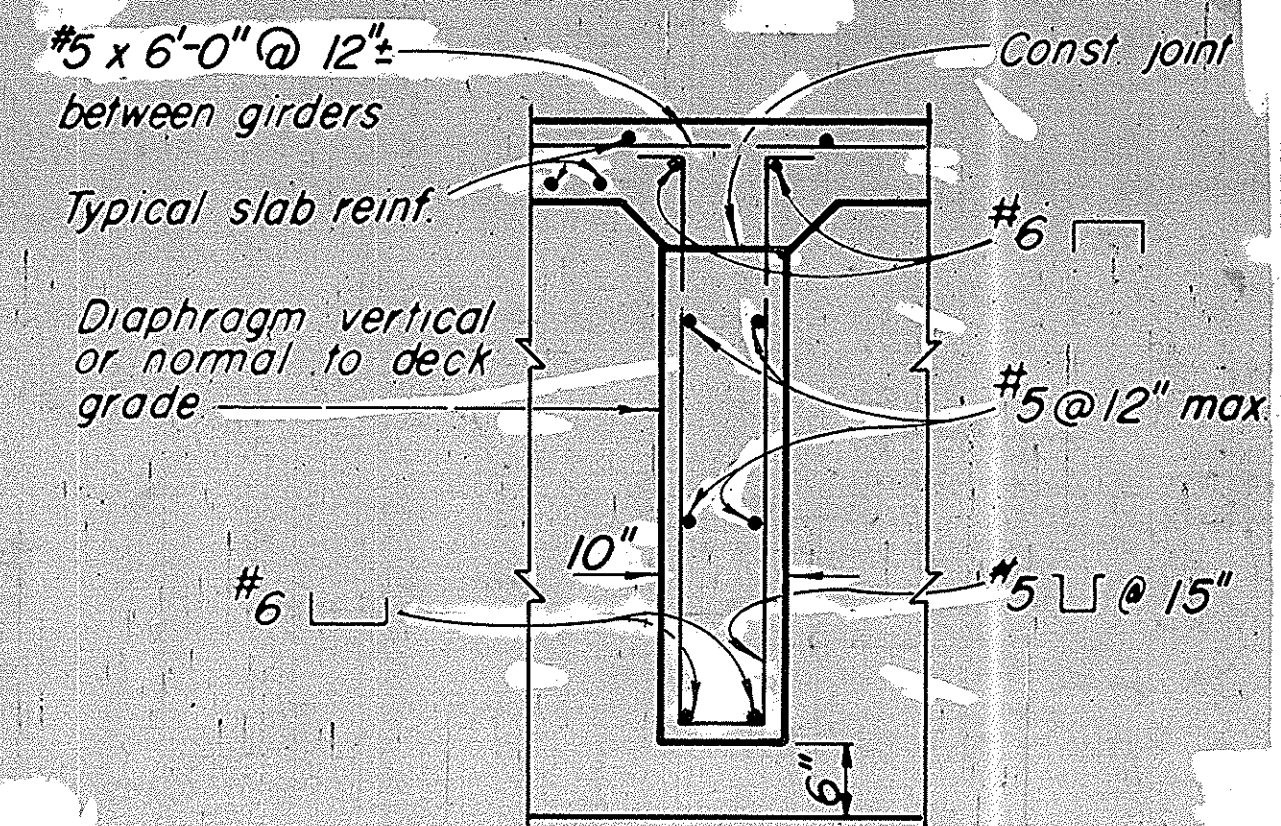
DECK SLAB



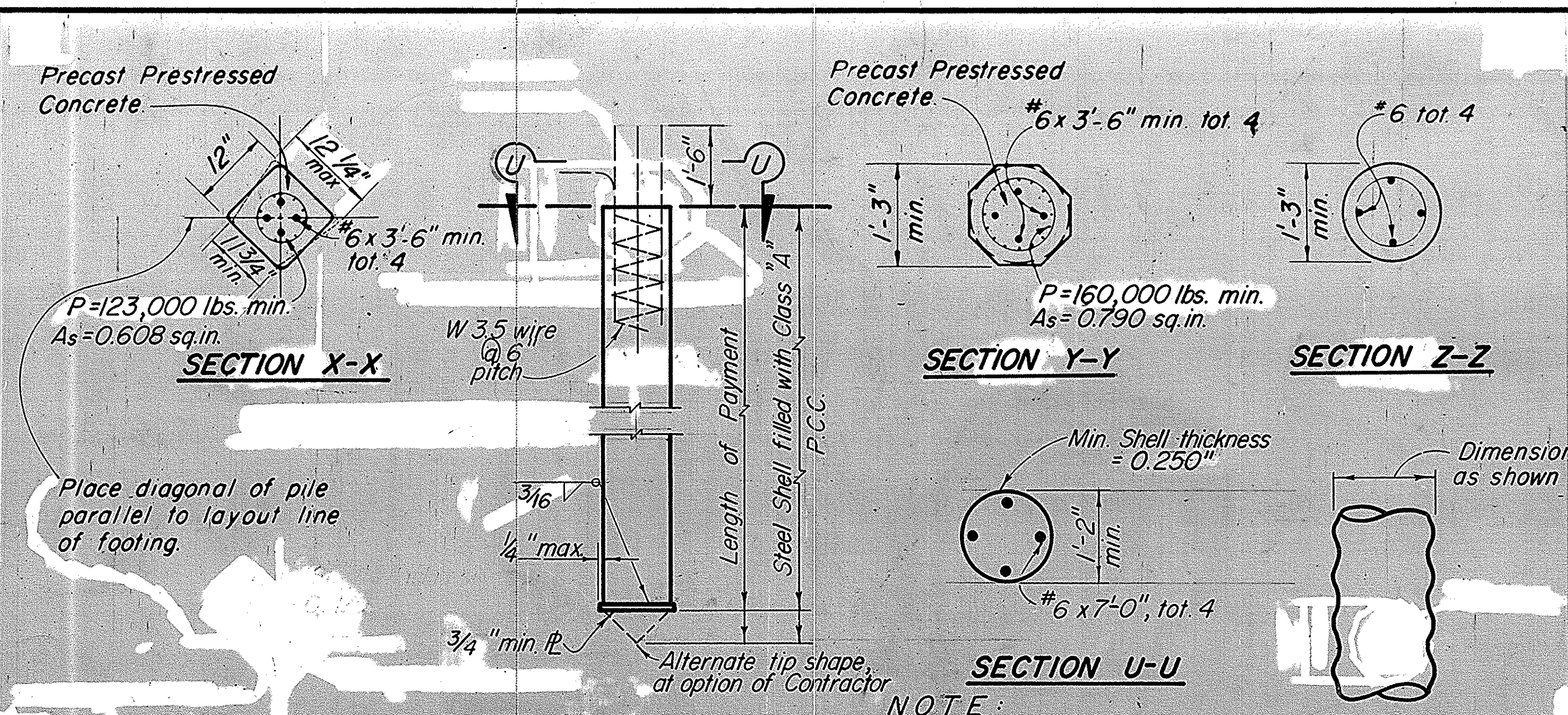
BENT CAP DIAPHRAGMS LONGITUDINAL CONSTRUCTION JOINTS



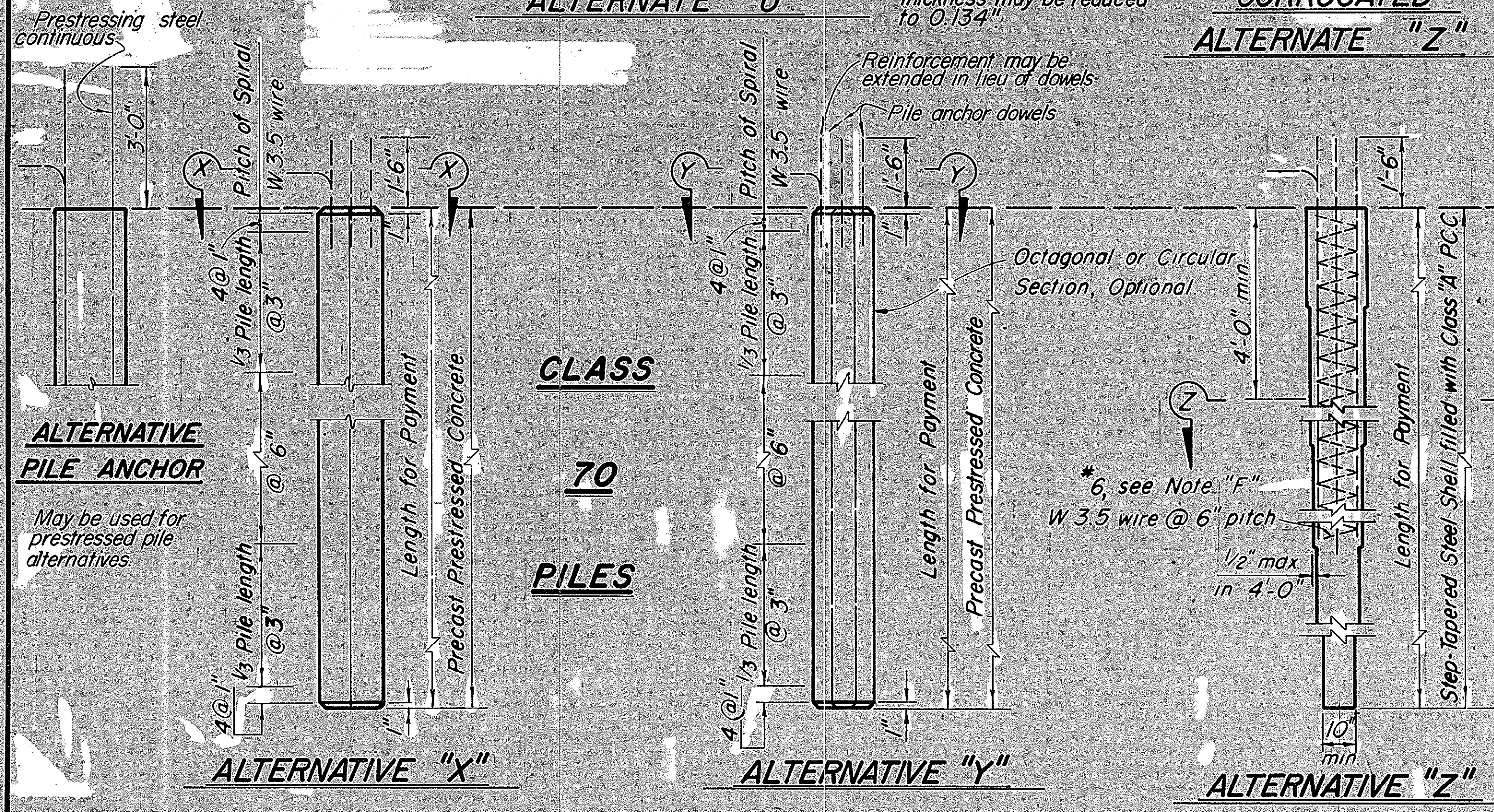
TRANSVERSE GIRDER CONSTRUCTION JOINTS



INTERMEDIATE DIAPHRAGM SECTION

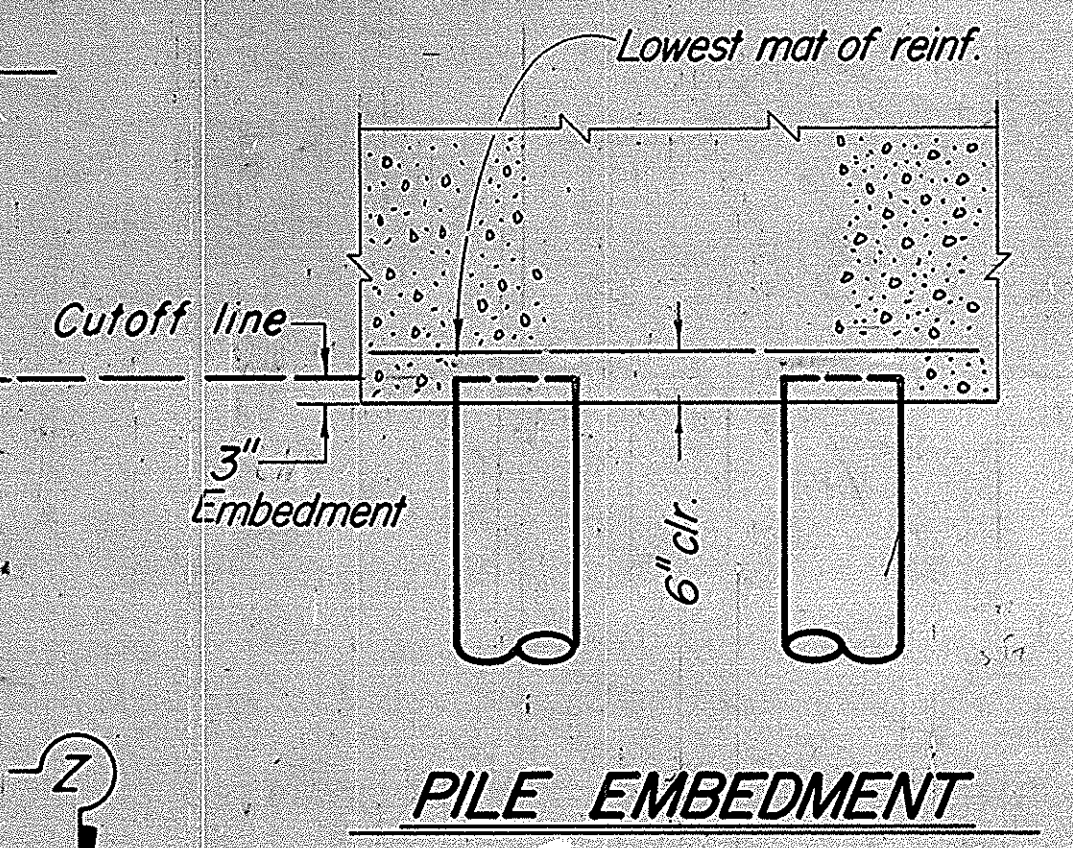


ALTERNATE "U"

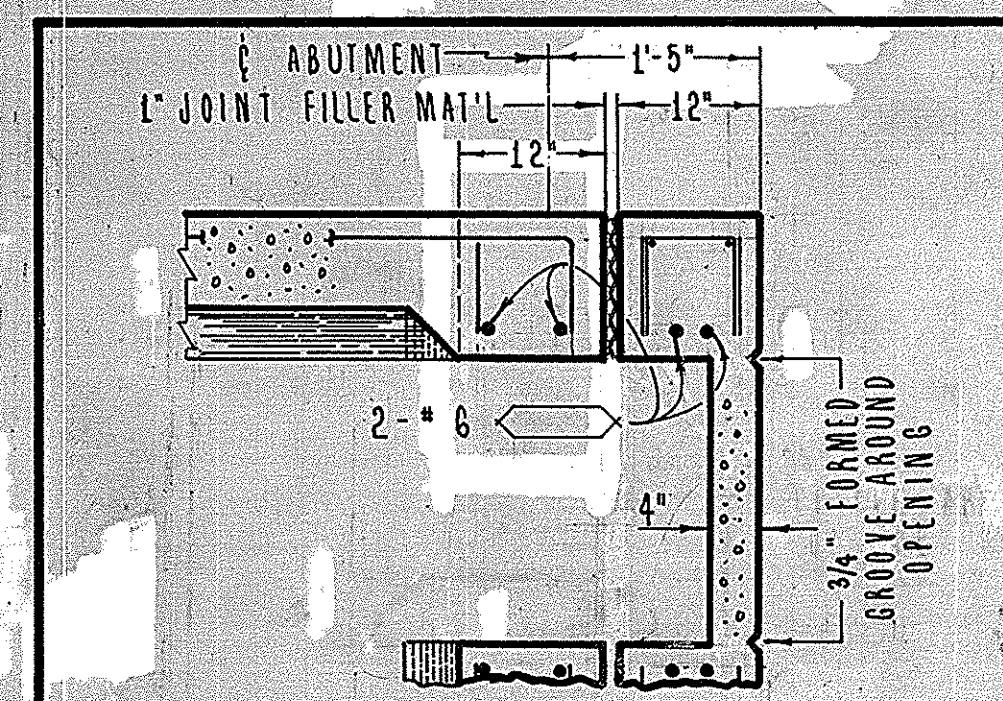


CLASS 70 PILES

CORRUGATED ALTERNATE "Z"

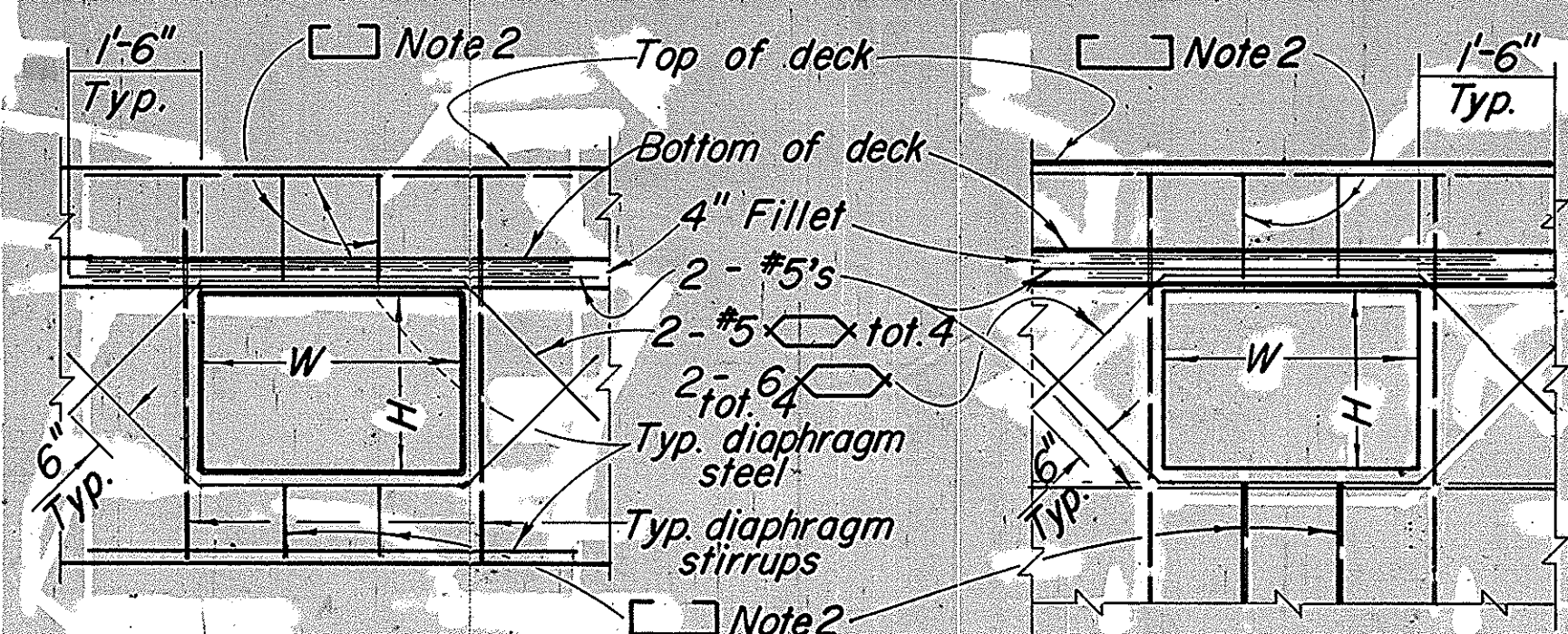


PILE EMBEDMENT



UTILITY OPENING CLOSURE (For opening intended for future use.)

- NOTES:**
- The exact location, elevation, size and direction of openings shall be in accordance with the Project Plans and as directed by the Engineer.
 - All reinf. detailed to be placed in addition to reinf. shown on Project Plans.
 - Main reinf. to clear opening.
 - Reinf. to be same bar size and 2/3 the spacing of adjacent reinf. shown on Project Plans.
 - W=24", H=24"



UTILITY OPENINGS

PIERS & ABUTMENTS

NOTES:

A 10" minimum diameter pipe extension (thickness = 0.25" min.) may be used on the tip of Alternative "Z" when taper is 30' or more in length.

All dowels or bars extending into a footing having a depth less than 2'0" shall be hooked.

5-gauge wire may be substituted for W3.5 wire.

Piles may not be extended except in accordance with details shown in the Project Plans.

PRECAST PRESTRESSED PILES

P = Prestressing Force @ anchorage

If section used is larger than the min. section shown, then "P" shall provide 860 psi min.

As = Minimum Area of prestressing steel required.

Concrete Strength: f'c @ 28 days = 6,000 psi (Alternative "X")
5,000 psi (Alternative "Y")
f't @ transfer = 4,000 psi

DESIGN LOADING = 70 TONS

NOTE F

In Alternative "Z" two #6 bars shall extend to the pile tip and the other two #6 bars and the spiral wrap shall extend at least to a point halfway between the pile tip and the lowest of the following:

- Bottom of footing.
- Top of final ground surface.
- Top of original ground surface when holes are drilled through embankment constructed by Contractor.
- Bottom of pre-drilled holes greater than pile diameter.

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

LAKEVIEW AVE BRIDGE (SA-6) WIDENING OVER SANTA ANA RIVER (EOI)

T-BEAM AND PILING DETAILS

12730 Lakeview Ave. Bridge Sheet 18 of 22 Red: 24:1 Cronaflex

MARK	DATE	DESCRIPTION	PREPARED UNDER SUPERVISION OF	SHEET
DESIGNED	GENE W FOSTER	SCALE	DATE	DWG. NO.
DRAWN	PJS	CHECKED	AS SHOWN	DATE

DR. #10 (12730)