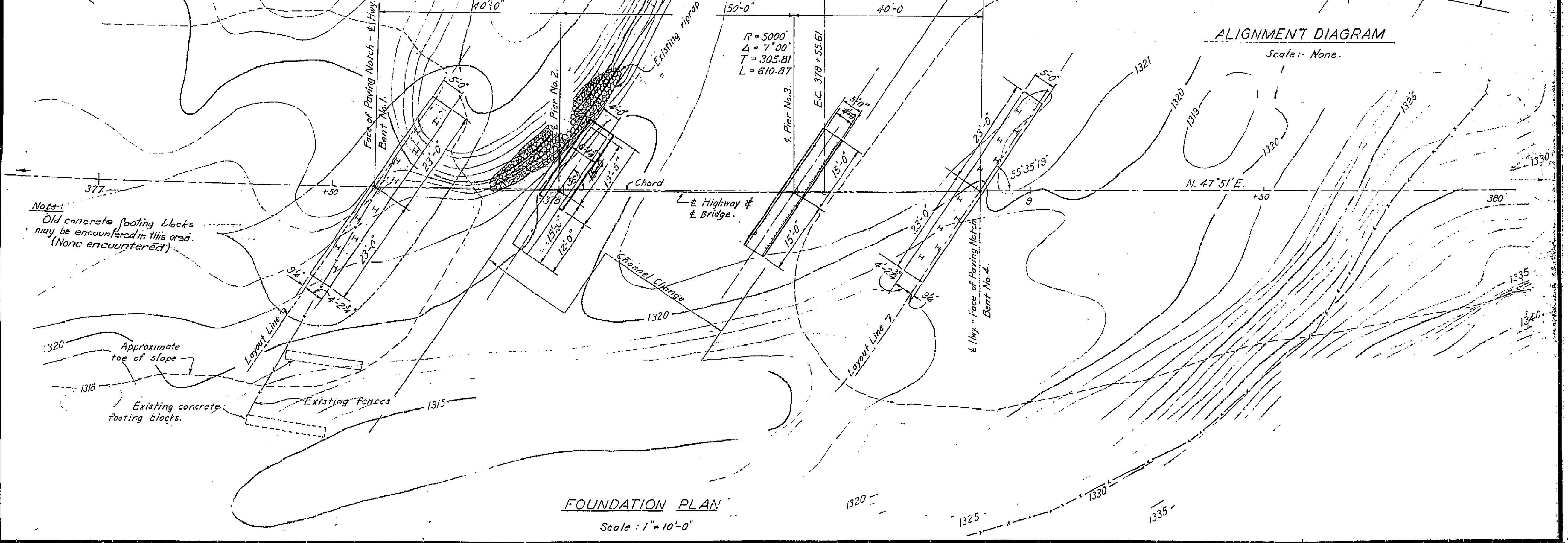
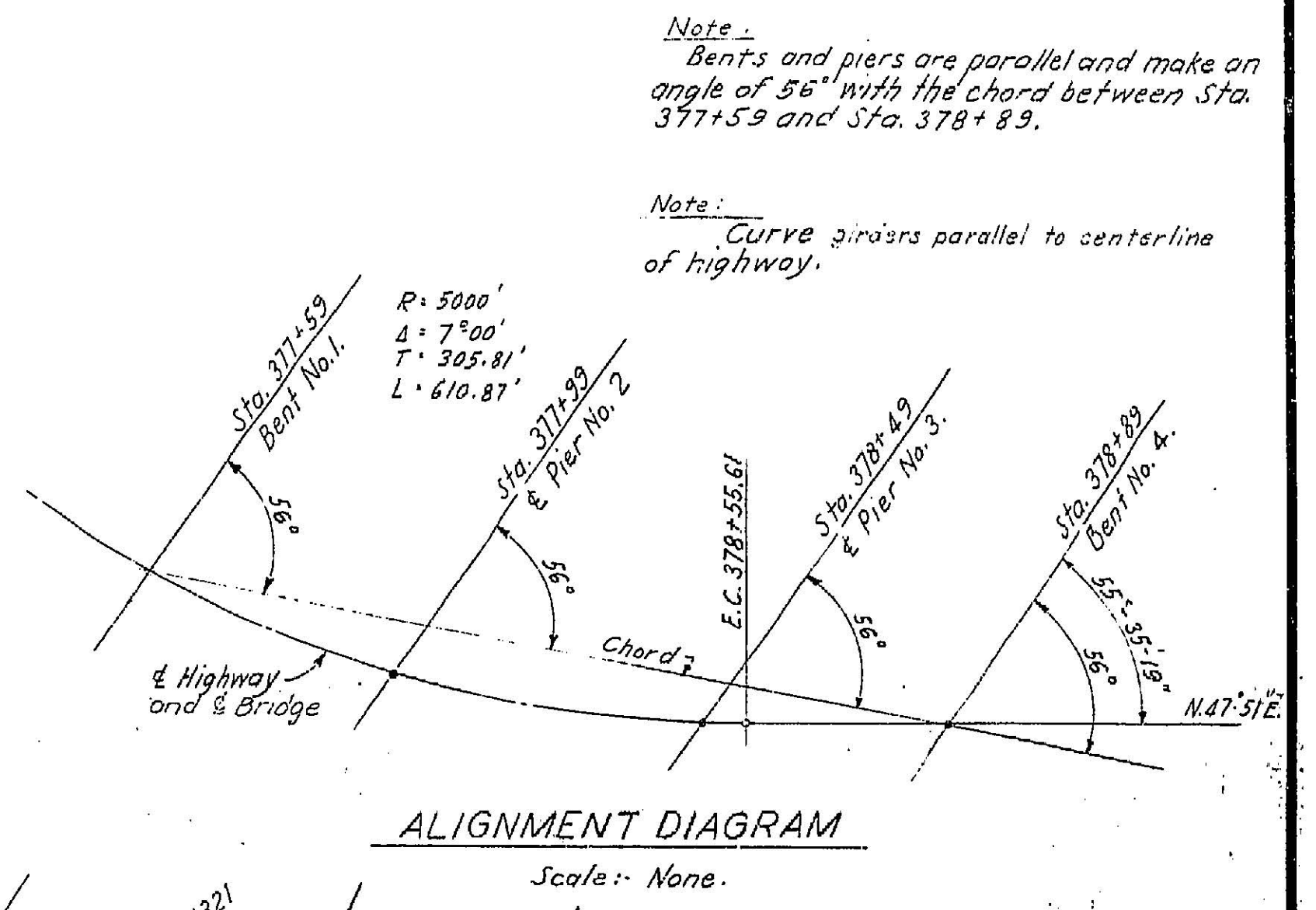


PILE LAYOUT
Scale: 1" = 5'-0"



FOUNDATION PLAN
Scale: 1" = 10'-0"



ALIGNMENT DIAGRAM
Scale: None.

Note:
Bents and piers are parallel and make an angle of 56" with the chord between Sta. 377+59 and Sta. 378+89.

Note:
Curve piers parallel to centerline of highway.

Note:
Old concrete footing blocks may be encountered in this area. (None encountered)

Approximate toe of slope

Existing concrete footing blocks.

Existing fences

Channel Change

Existing Piprapp

R = 5000'
Δ = 7° 00'
T = 305.81'
L = 610.87'

N. 47° 51' E.

R = 5000'
Δ = 7° 00'
T = 305.81'
L = 610.87'

Note:
Curve piers parallel to centerline of highway.

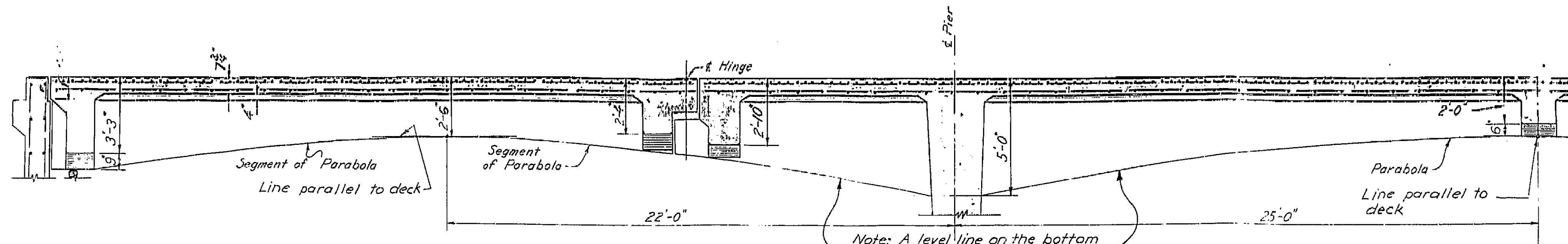
Note:
Bents and piers are parallel and make an angle of 56" with the chord between Sta. 377+59 and Sta. 378+89.

GENERAL NOTES

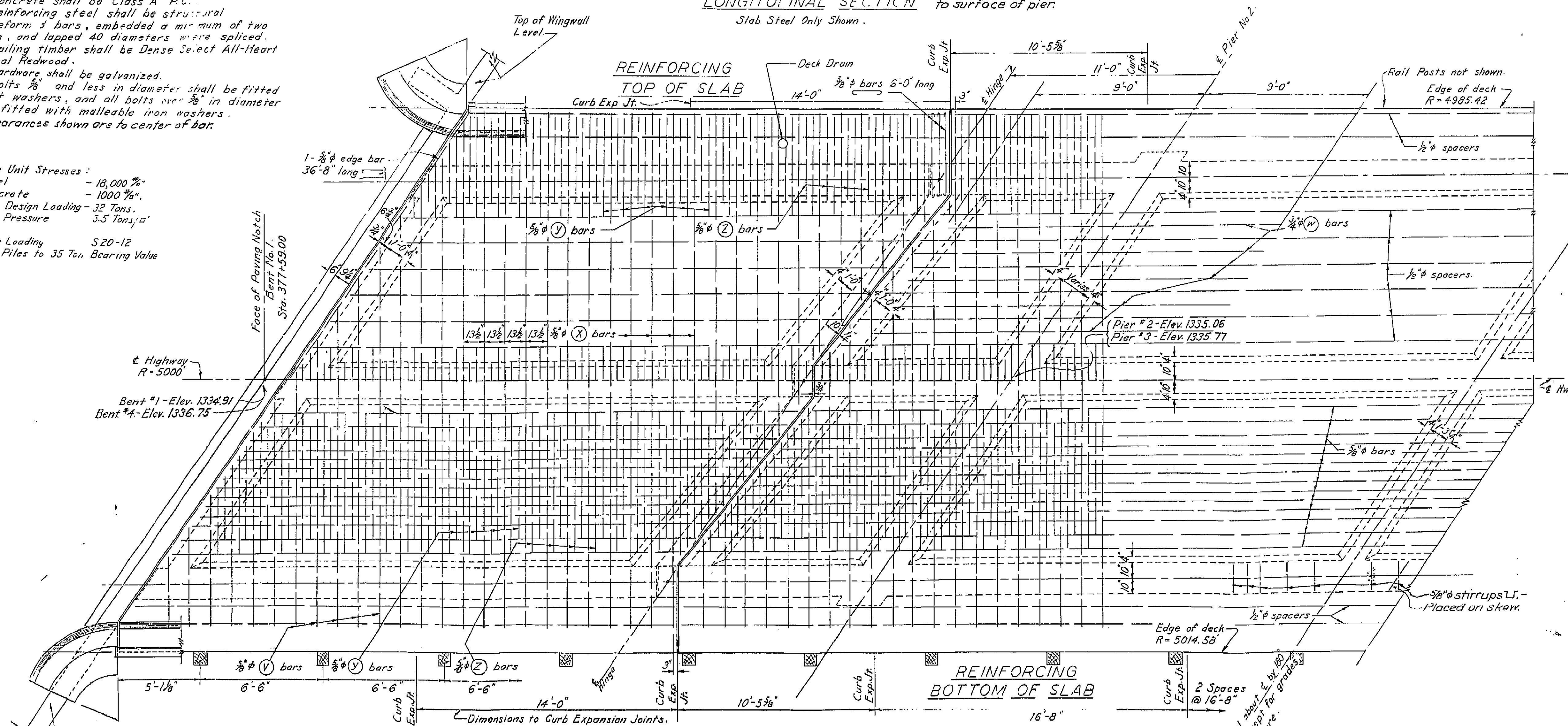
All concrete shall be Class "A" P.C.
 All reinforcing steel shall be structural grade deformed bars, embedded a minimum of two diameters, and lapped 40 diameters where spliced.
 All railing timber shall be Dense Select All-Heart Structural Redwood.
 All hardware shall be galvanized.
 All bolts $\frac{3}{8}$ " and less in diameter shall be fitted with cut washers, and all bolts over $\frac{3}{8}$ " in diameter shall be fitted with malleable iron washers.
 Bar clearances shown are to center of bar.

Design Unit Stresses:
 Steel - 18,000 $\frac{3}{8}$ "
 Concrete - 1000 $\frac{3}{8}$ "
 Pile Design Loading - 32 Tons.
 Soil Pressure 3.5 Tons/ft²

Design Loading 520-12
 Drive Piles to 35 Ton. Bearing Value



LONGITUDINAL SECTION
 Slab Steel Only Shown.

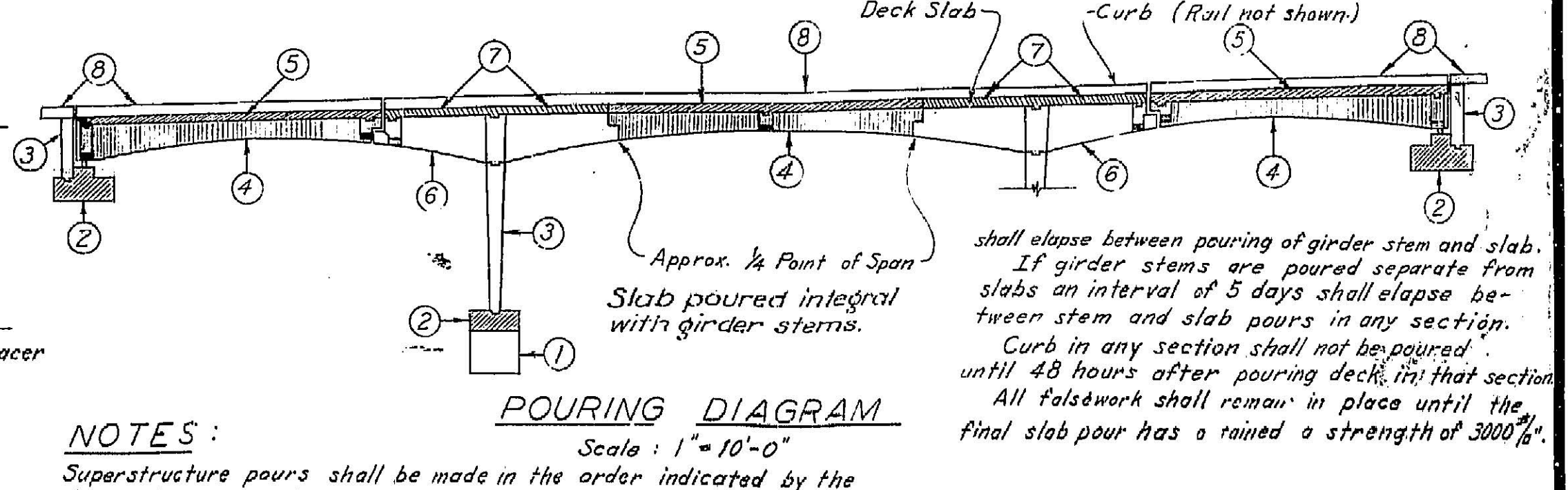
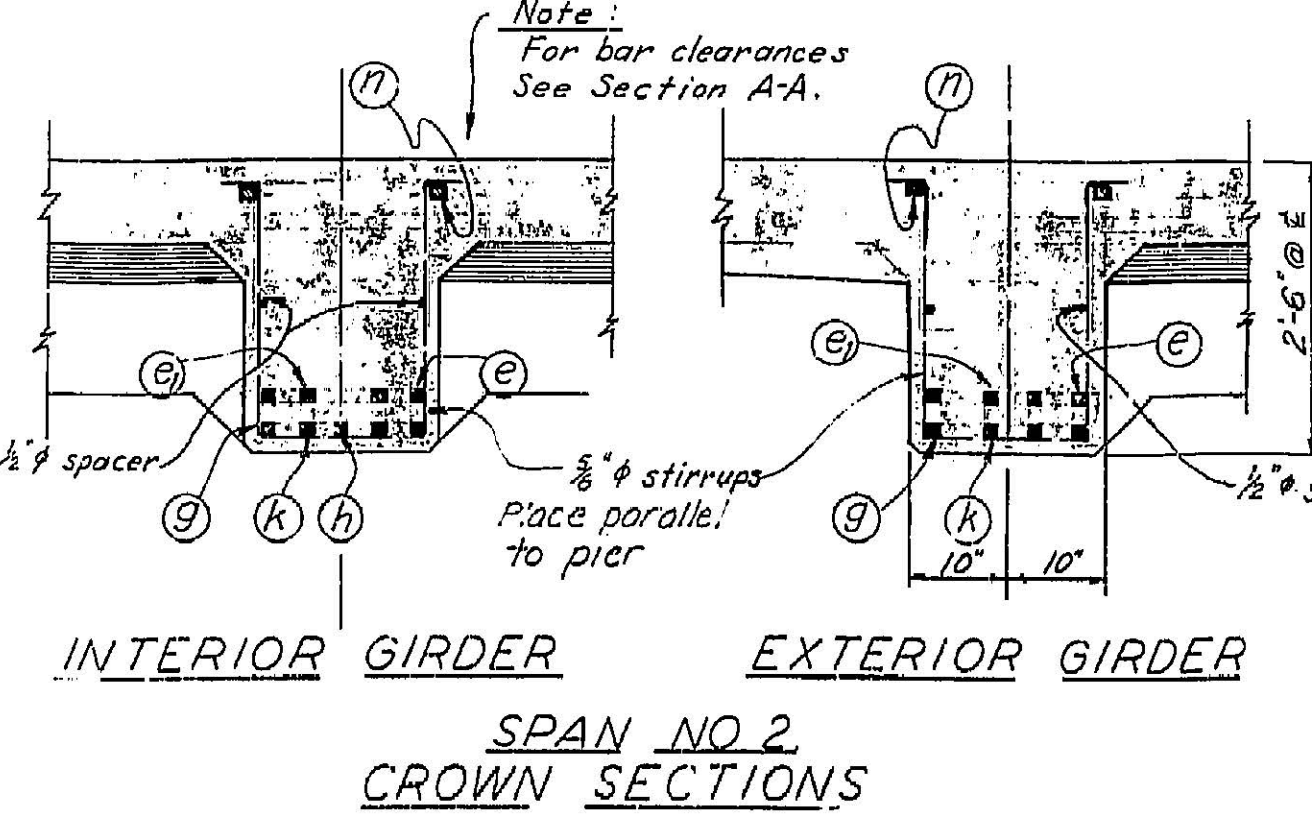
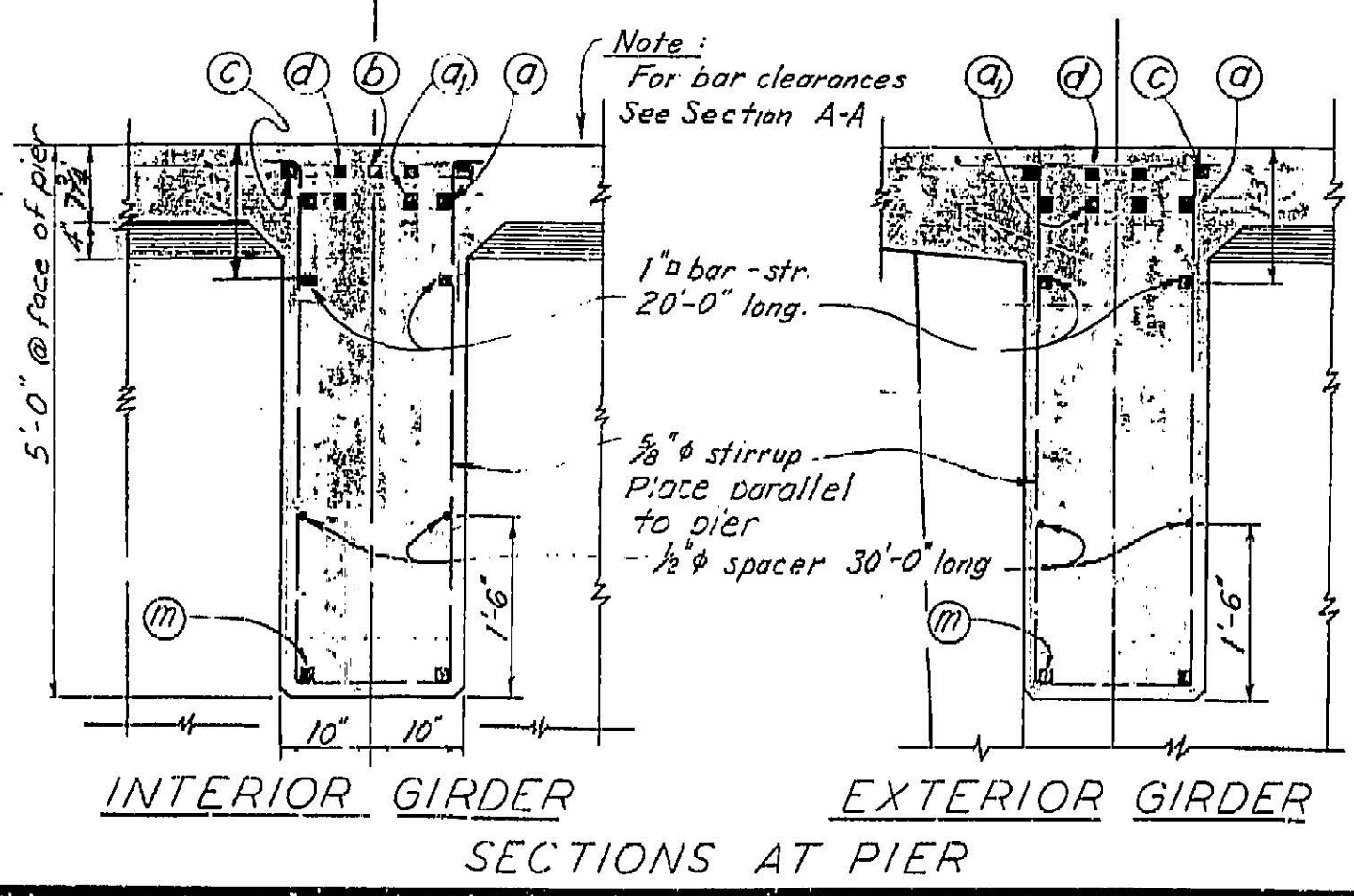
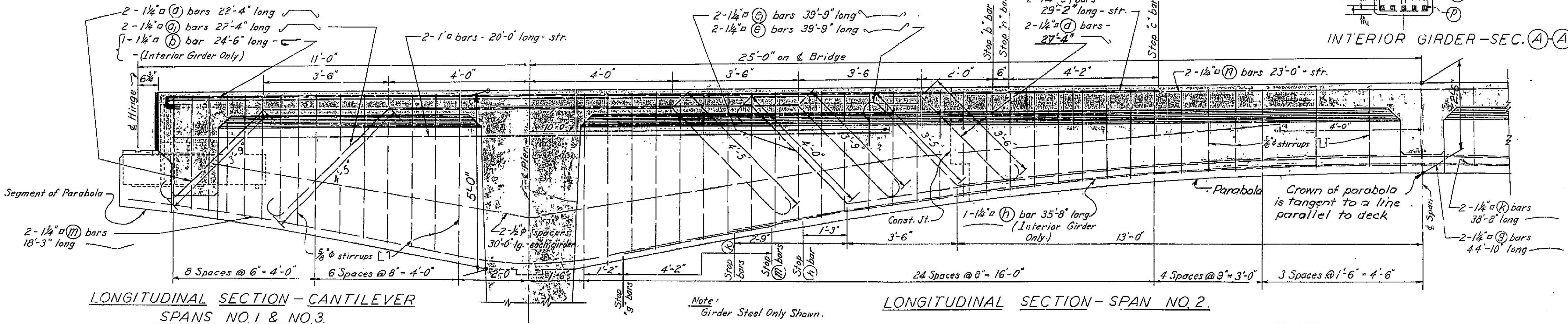
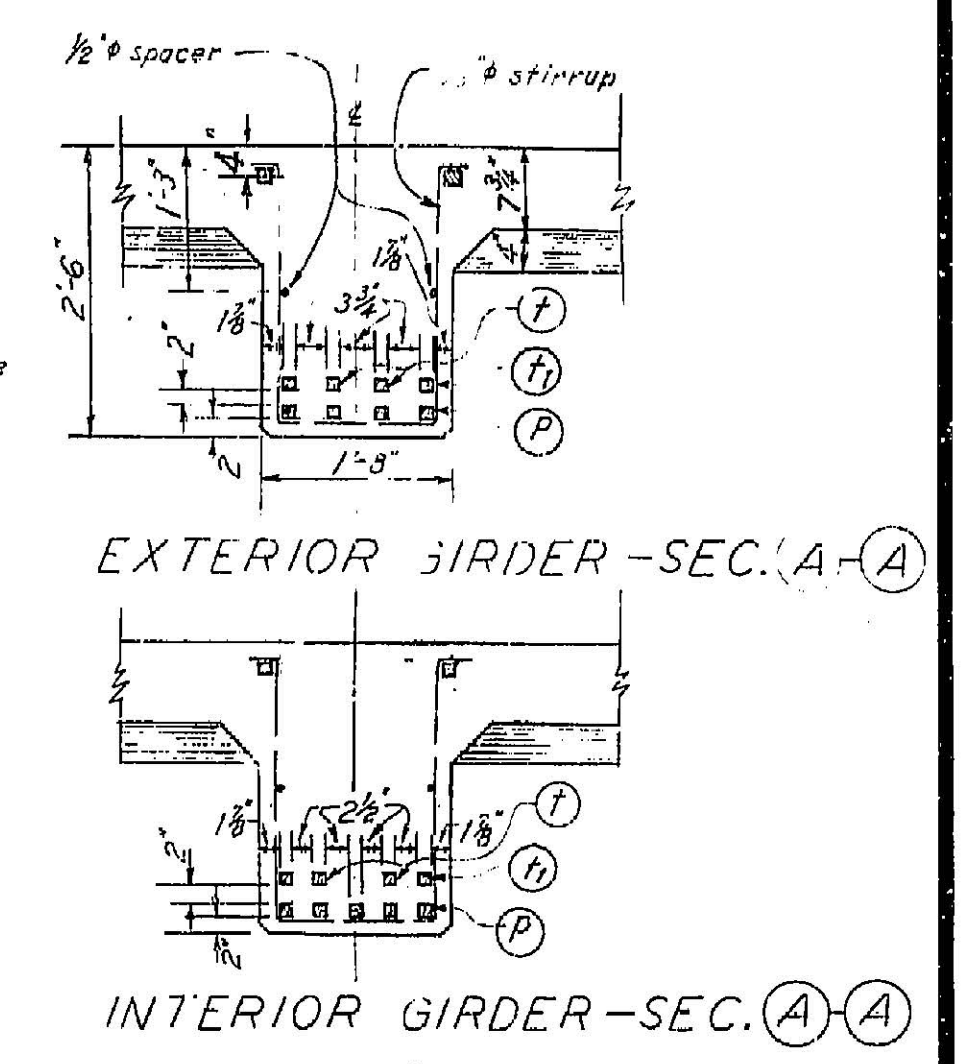
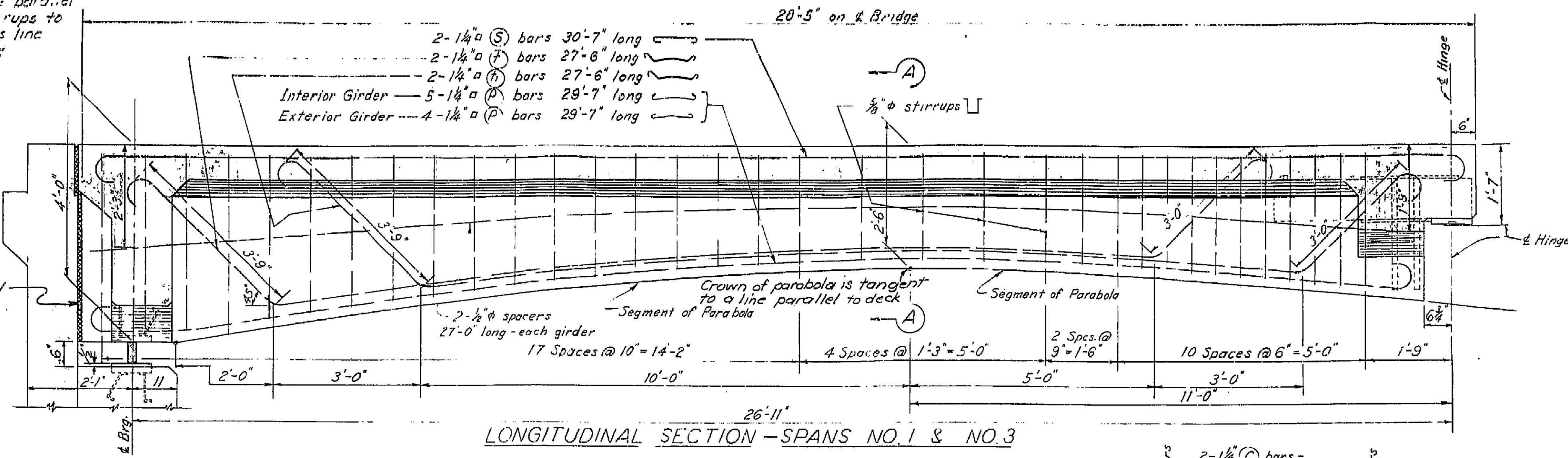


DECK PLAN
 Slab Steel Only Shown.

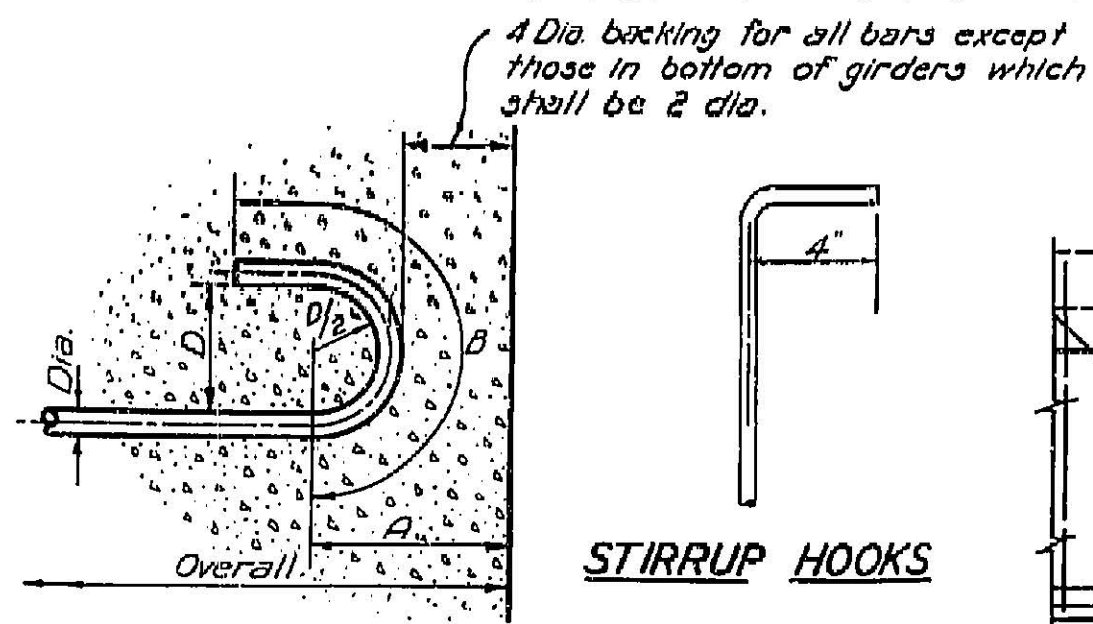
Face of Paving Notch
 Bent No. 1
 Sta. 377+59.00
 Highway
 R-5000
 Bent #1 - Elev. 1334.91
 Bent #4 - Elev. 1336.75

Edge of deck
 R = 5014.56
 2 Spaces
 @ 16'-0"
 Symmetrical about & by 180°
 rotation except for grades
 and curvature.

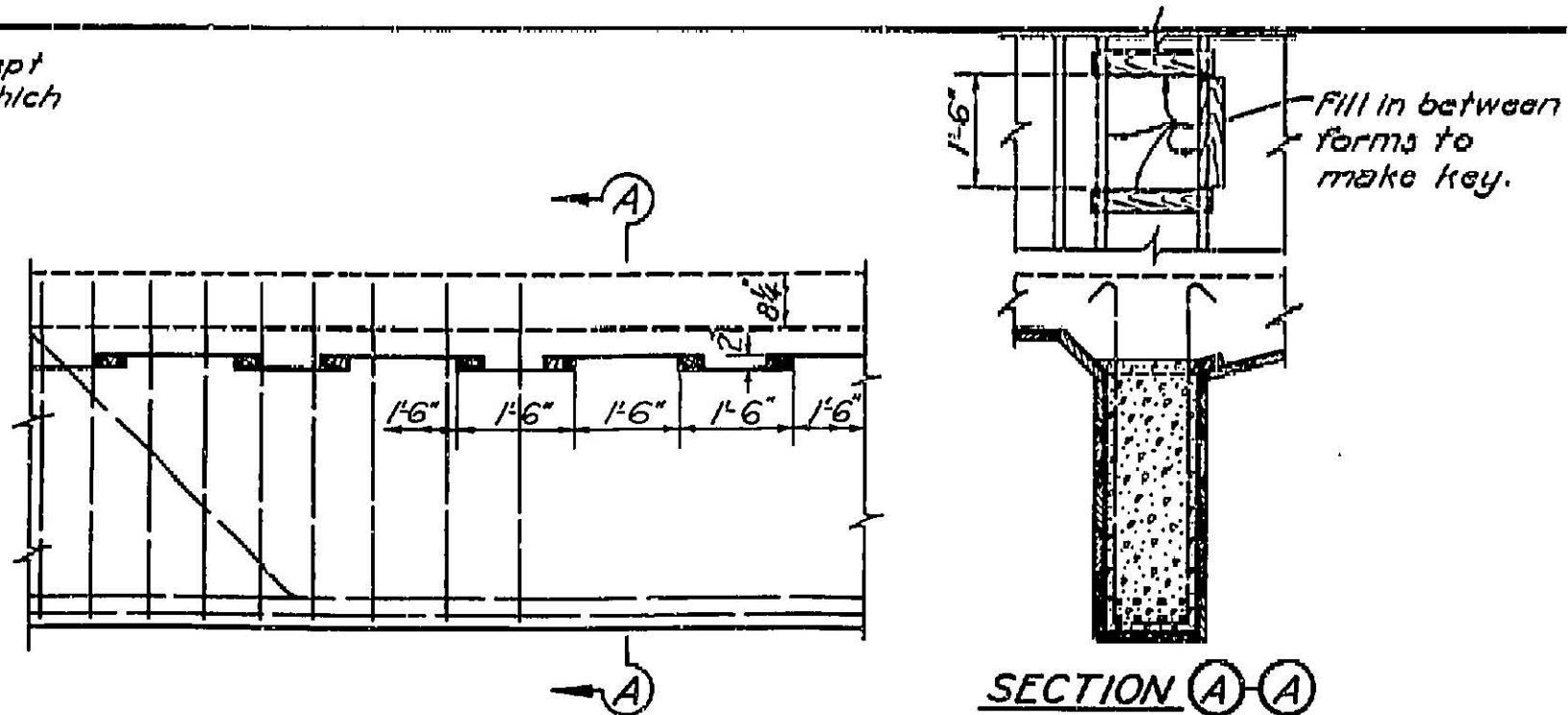
Level line on the bottom of girders to be parallel to the pier. Stirrups to be parallel to this line.



NOTES:
 Superstructure pours shall be made in the order indicated by the numbers shown on the pouring diagram.
 Diaphragms shall be poured integral with adjacent girder stems.
 A minimum of 48 hours shall elapse between pour No. 4 and the adjacent pour, No. 6.
 The deck slab in any section may be poured integral with the girders in that section provided; that a minimum time of 2 hours shall elapse between pouring of girder stem and slab. If girder stems are poured separate from slabs an interval of 5 days shall elapse between stem and slab pours in any section. Curb in any section shall not be poured until 48 hours after pouring deck in that section. All falsework shall remain in place until the final slab pour has attained a strength of 3000 psi.



STIRRUP HOOKS

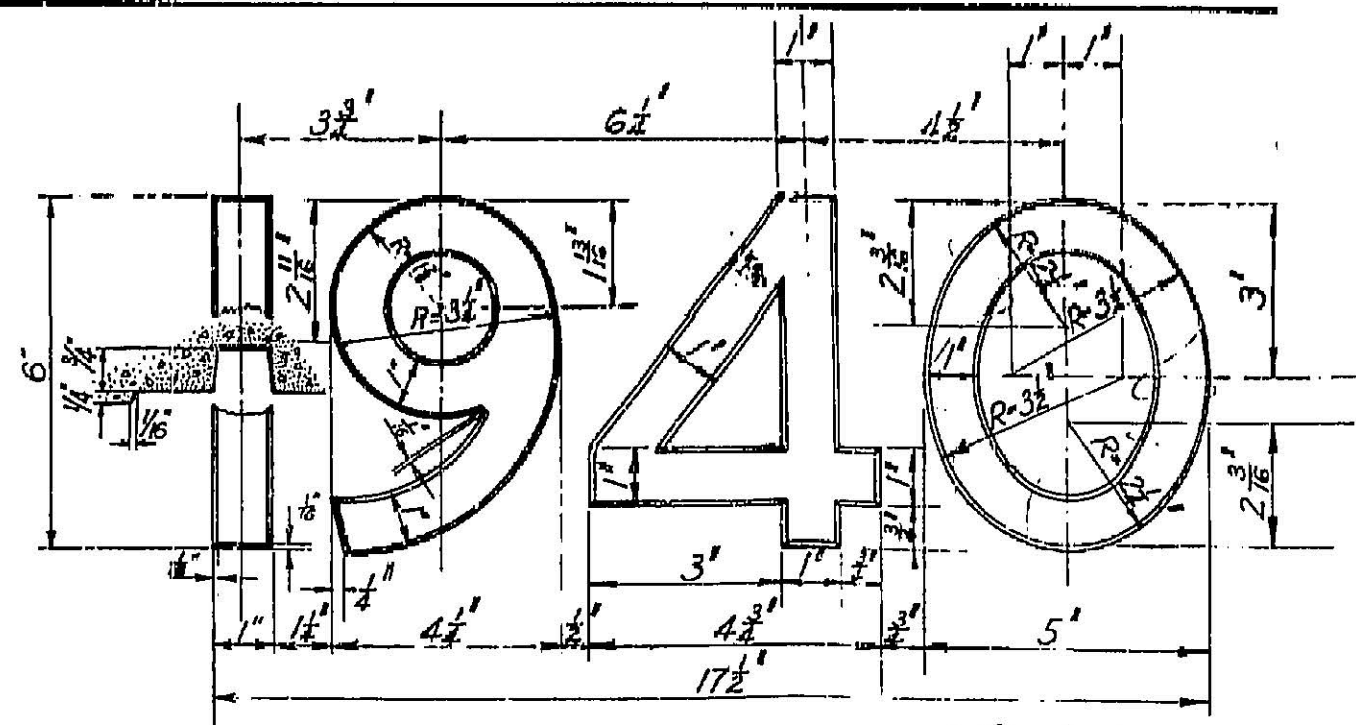


SECTION A-A

Where girder stems and slabs are poured separately, raised keys shall be used. The 1/6" dimension is to be approximated as closely as stirrups will permit. After concrete in stem is poured, key forms of 2"x4" lumber cut to fit shall be placed immediately and keys poured. Concrete surfaces shall all be thoroughly cleaned by wire brush or air and water pressure jets. This shall be done as soon as the concrete has hardened sufficiently to allow removal of the surface slickings and to expose clean aggregate.

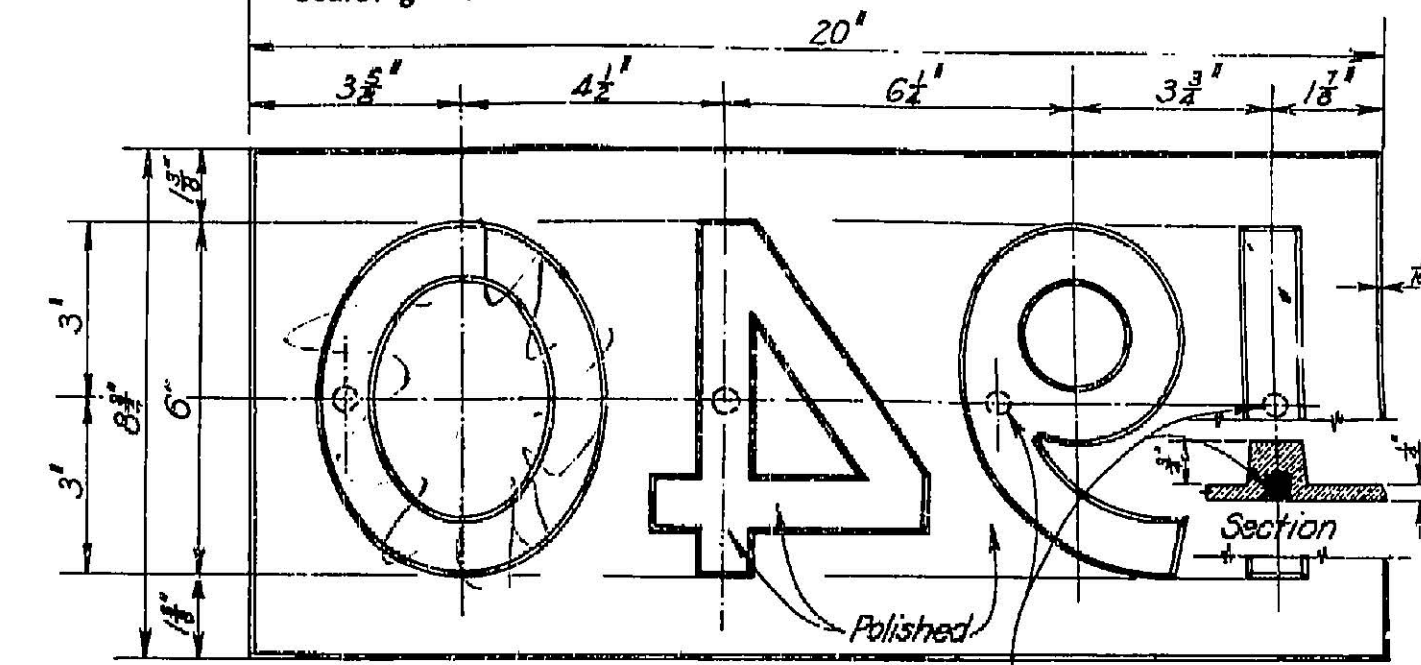
Diaphragm stems to be keyed to slab in same manner as girder stems.

KEYS - SLAB TO GIRDER



DATE

Scale: 3/8" = 1'

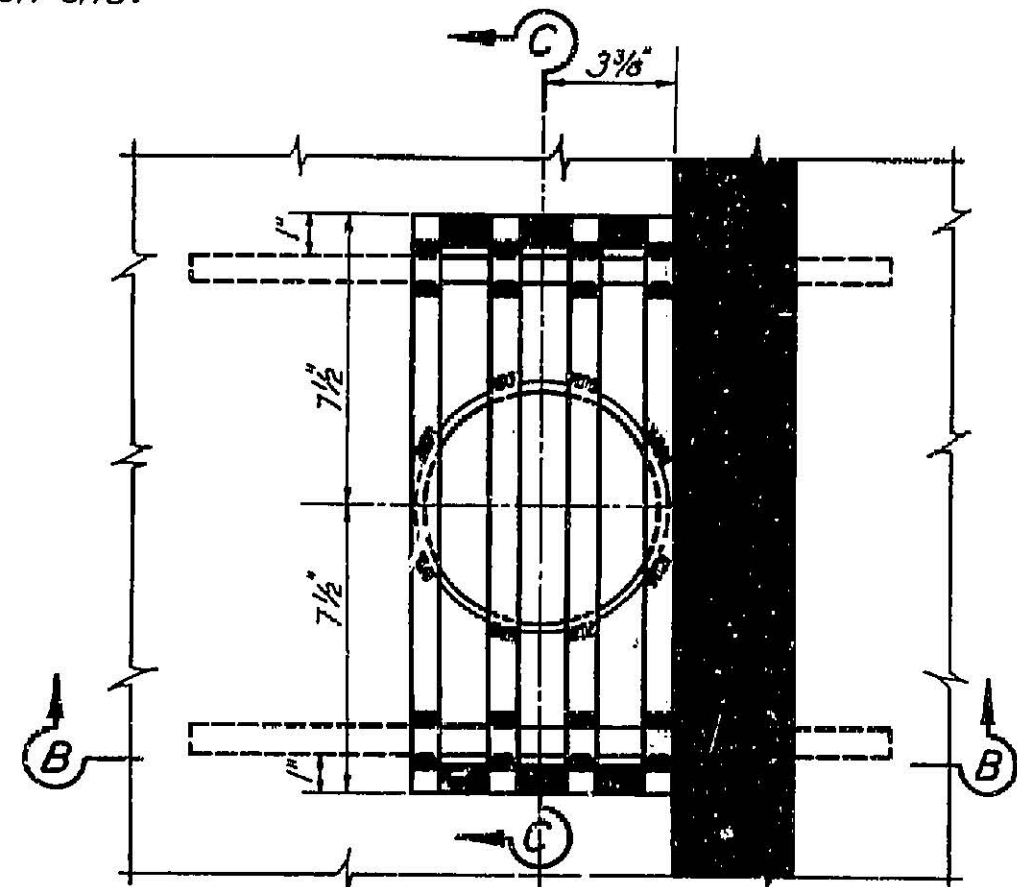


DATE CASTING

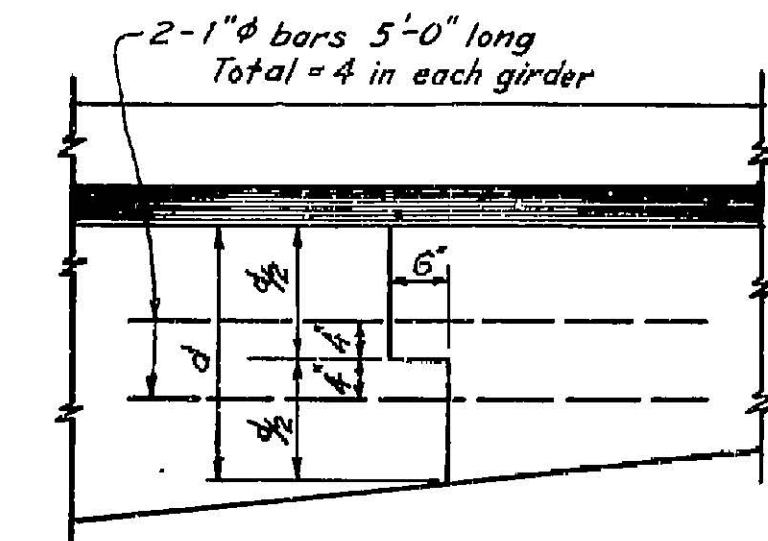
Material - Bronze.
Scale: 3/8" = 1'

SIZE OVERALL	A	B	D	A	OVERALL SIZE OF STEM
1/2"	7 1/4"	1 1/4"	8"	3 3/4"	9 1/4"
3/4"	11 1/4"	1 1/4"	11 1/2"	4 1/4"	12 1/4"
1"	15 1/4"	1 1/4"	15 1/2"	5 1/4"	16 1/4"
1 1/8"	19 1/4"	1 1/4"	19 1/2"	6 1/4"	20 1/4"
1 1/4"	23 1/4"	1 1/4"	23 1/2"	7 1/4"	24 1/4"

Amount to be added to overall dimension of concrete member to give the length of the hooked reinforcing bars, hooked at each end.



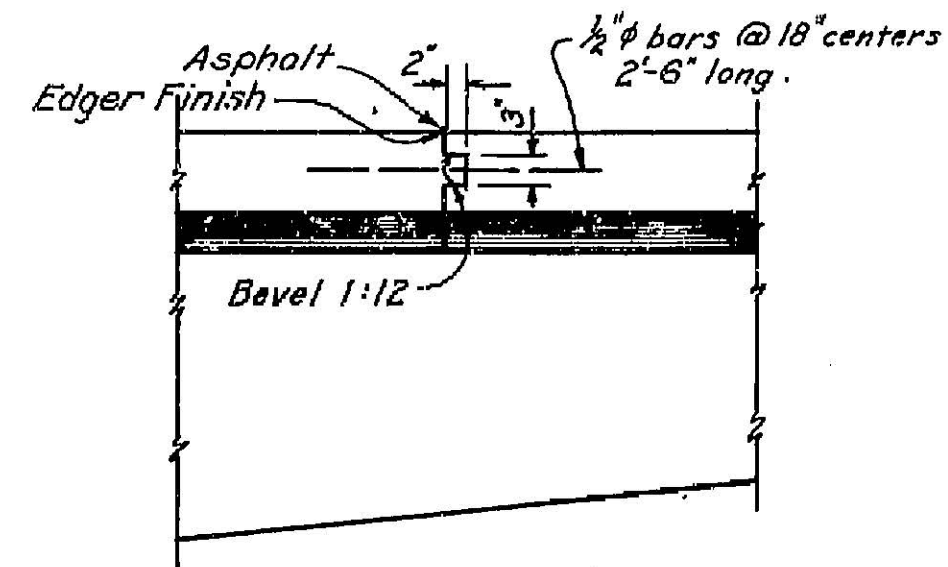
PLAN



GIRDER CONSTRUCTION JOINT

Scale: 3/8" = 1'-0"

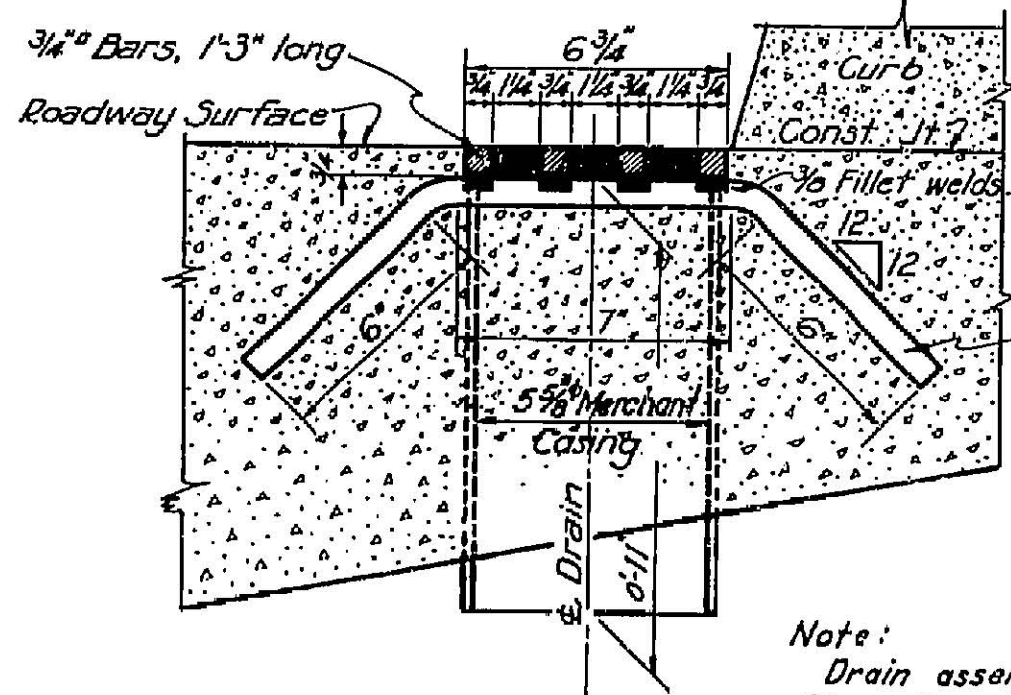
Locate Joint as shown on Sheet No. 6.



SLAB CONSTRUCTION JOINT

Scale: 3/8" = 1'-0"

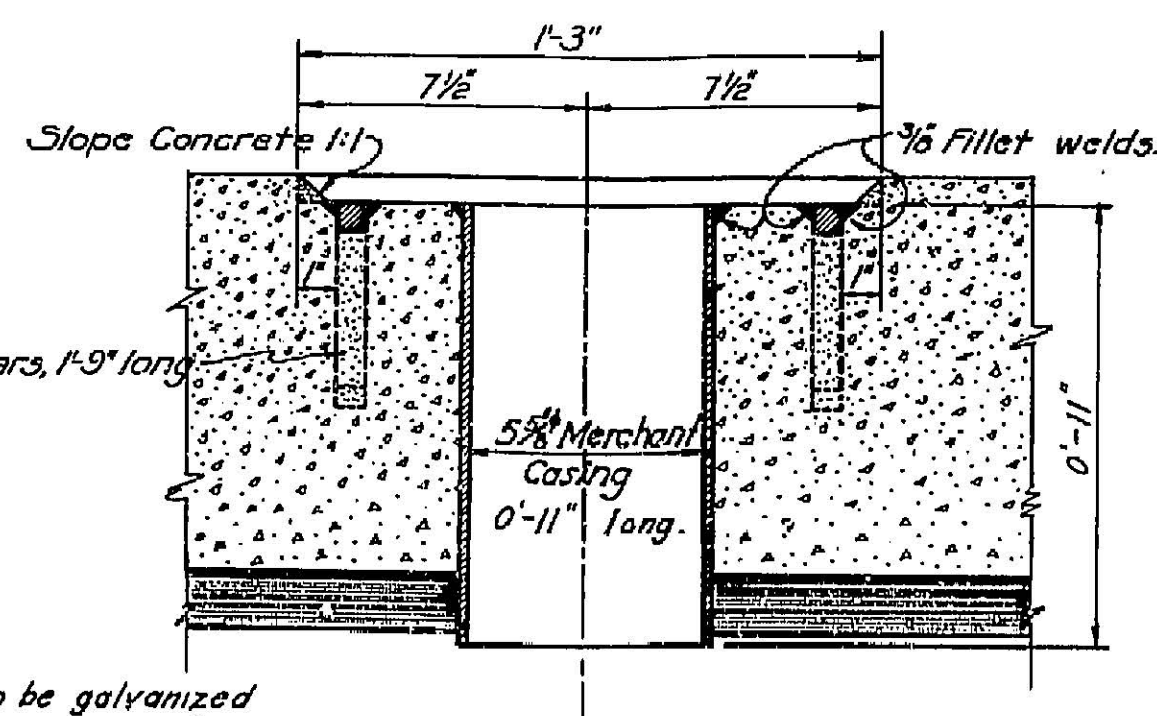
Locate Joint as shown on Sheet No. 6.



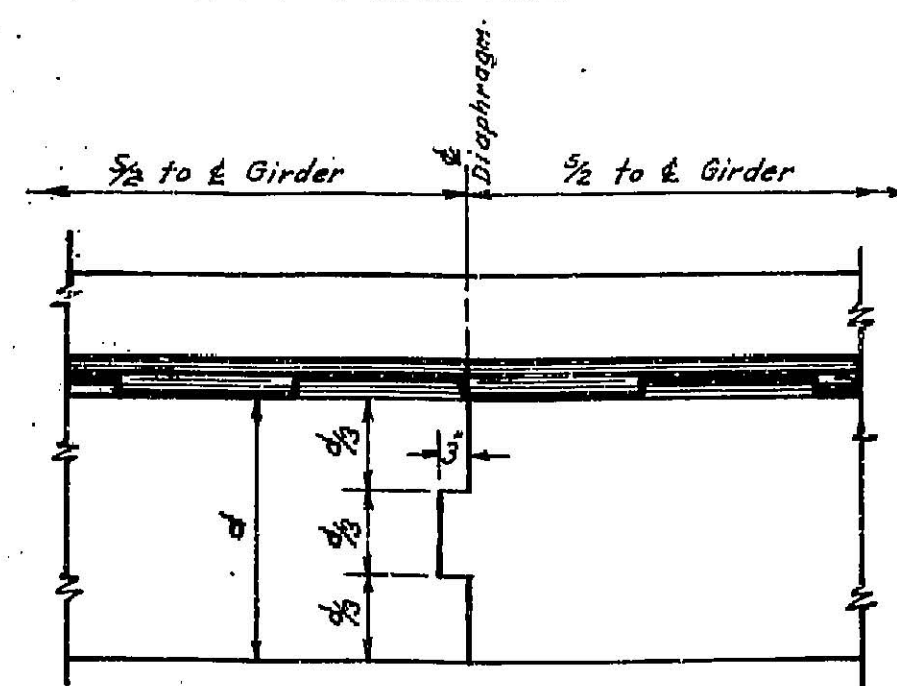
SECTION B-B

DRAIN DETAIL

3 Required.
Scale: 3" = 1'-0"



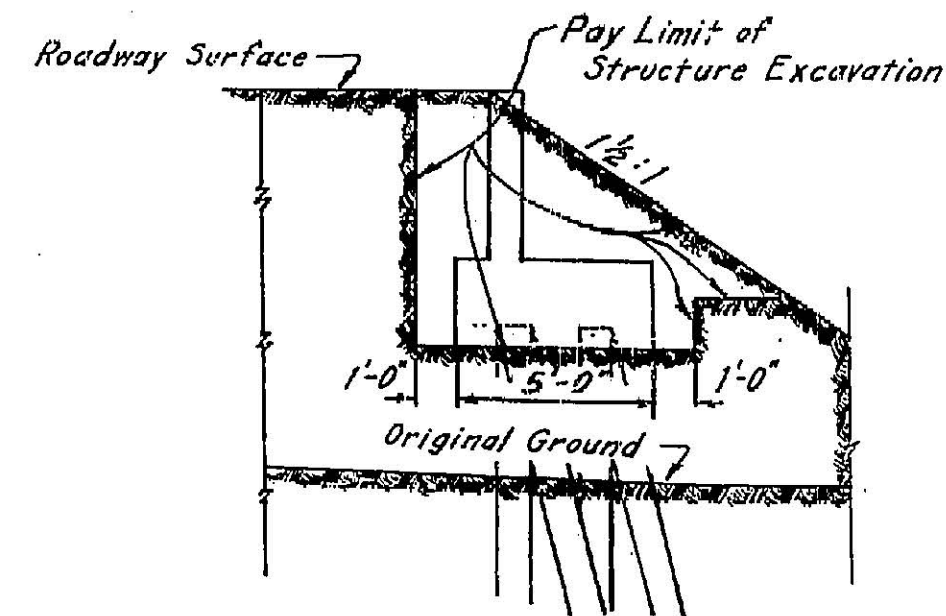
SECTION C-C



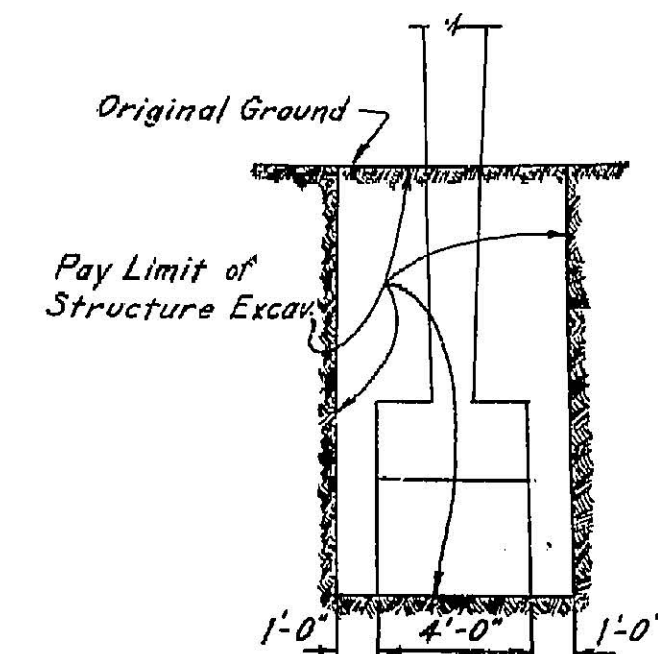
DIAPHRAGM CONSTRUCTION JOINT

Scale: 3/8" = 1'-0"

Locate Joint midway between girders. Diaphragm construction joint to be used at contractors option.



END BENT



PIER

EXCAVATION DIAGRAM

Scale: 1/4" = 1'-0"