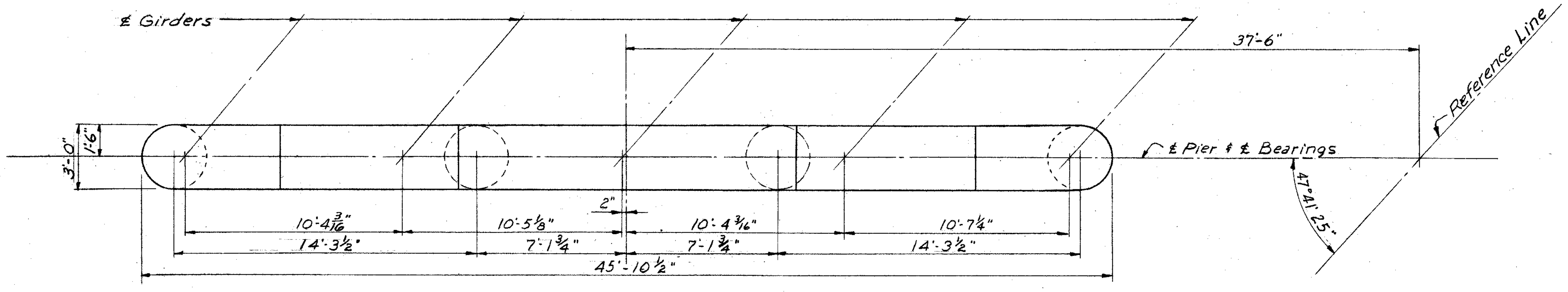
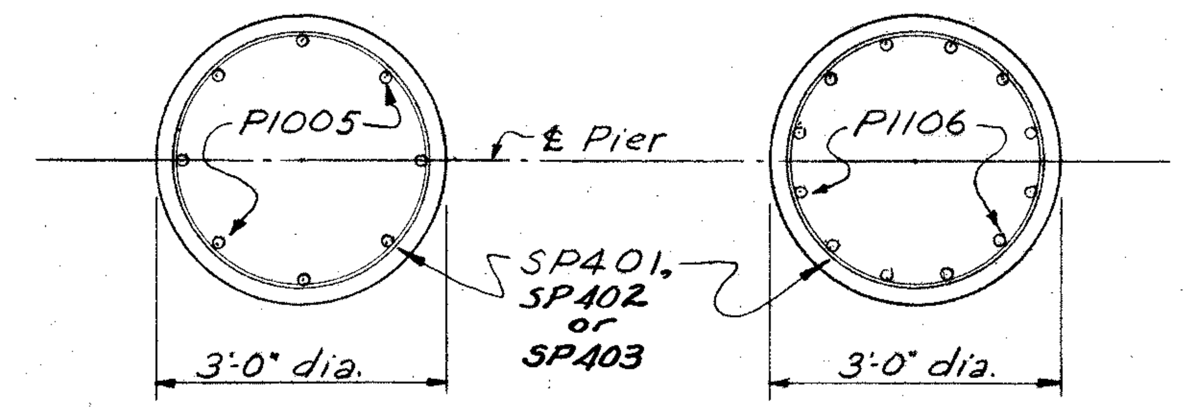
FED. RD. DIVISION	STATE	PROJECT		
2	OHIO			

LAKE COUNTY
SEC. LAK-2-10.35



CAP PLAN - PIER NO. 2

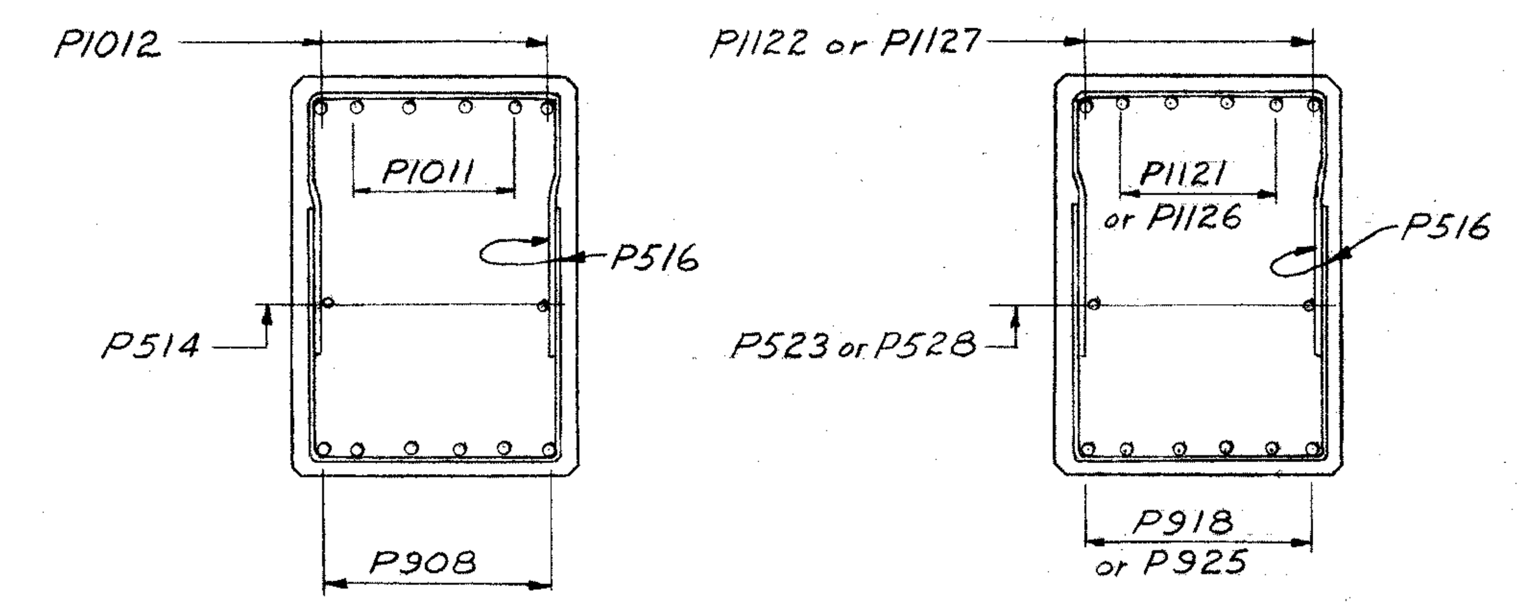


SECTION C-C   SECTION D-D

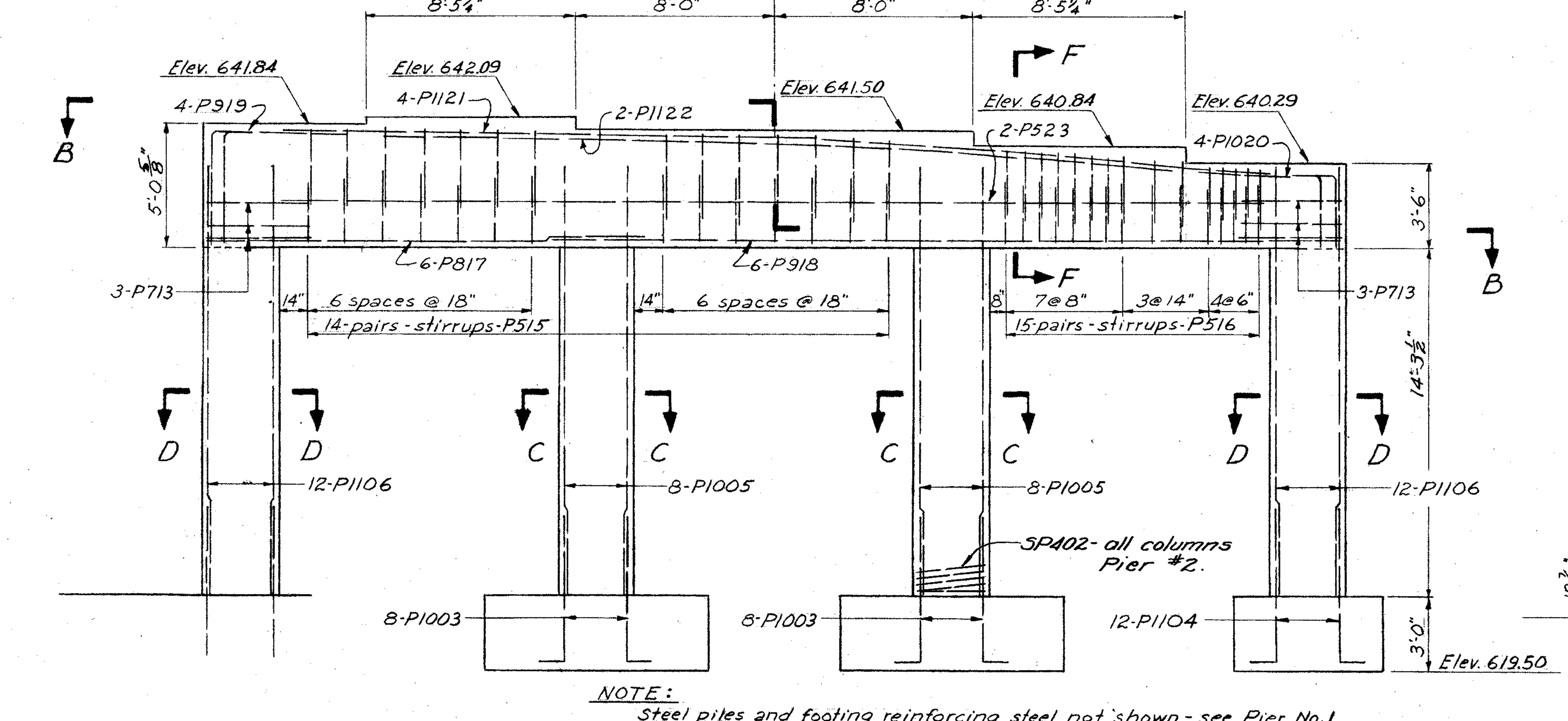
NOTES

- PILES shall be driven with a hammer of not less than 11,000 ft-lbs per blow to firm contact with rock. If the length of penetration is approximately equal to the depth to rock according to the bridge foundation investigation report, the firm contact shall be considered as attained when the capacity according to the formula in Sec. 5-18.05 is not less than the following value for a pile hammer of the indicated energy rating:
  - 48 tons per pile using a 11,000 ft-lb hammer
  - 41 tons per pile using a 15,000 ft-lb hammer

  If the energy rating of the hammer is between the ratings as shown above, the required formula capacity shall be determined by interpolation. The design load is 35 tons per pile for the pier piles.
- Special care shall be taken in placing reinforcing steel in the bridge seat so that it will not interfere with the drilling of anchor bolt holes.



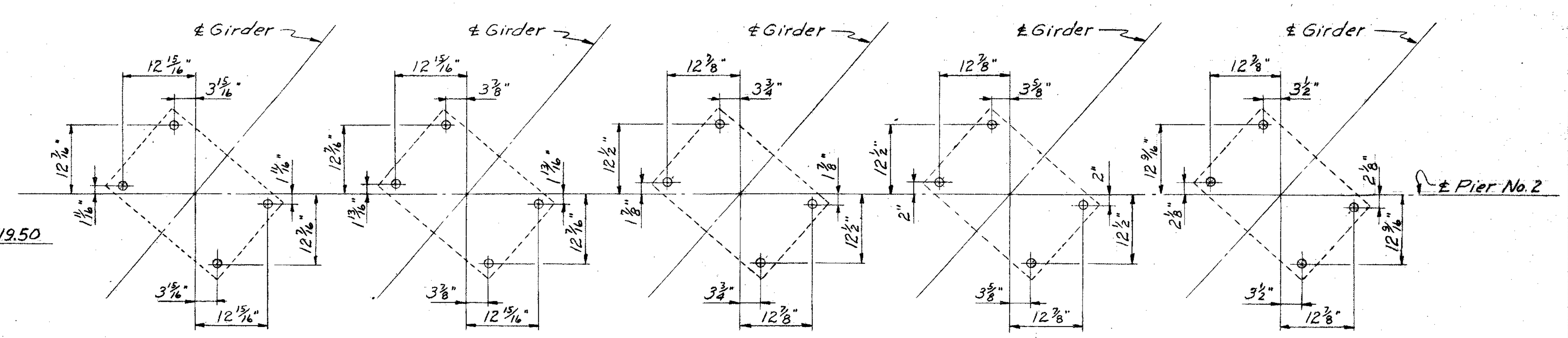
SECTION E-E   SECTION F-F



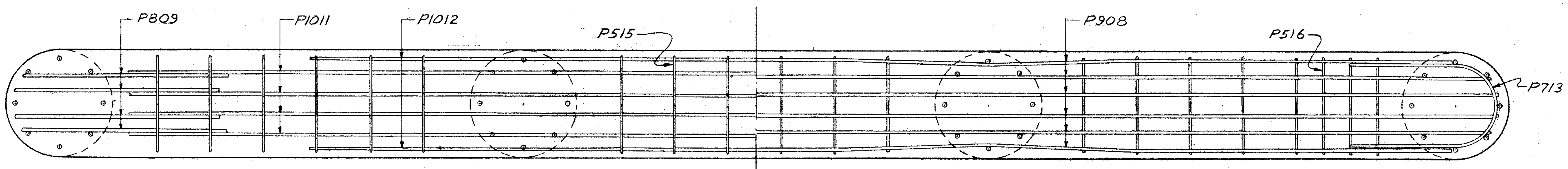
NOTE:
Steel piles and footing reinforcing steel not shown - see Pier No. 1

For Footing Detail
See Ramp E - Pier Detail Sheet.

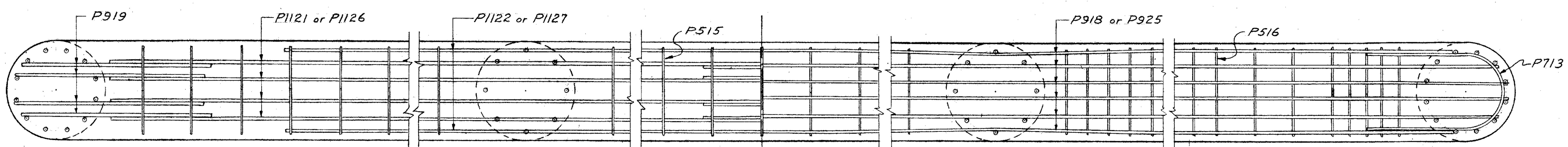
ELEVATION-PIER NO. 2
(LOOKING AHEAD)



ANCHOR BOLT LAYOUT - PIER NO. 2
(LOOKING AHEAD)



SECTION A-A - PIER NO. 1



SECTION B-B - PIERS NO. 2 & 3

SEC. L-33

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

STATE OF OHIO
DEPARTMENT OF HIGHWAYS
DIVISION OF DESIGN AND CONSTRUCTION
BUREAU OF BRIDGES

PIERS
BRIDGE NO. LAK-2-1350
RELOC. S.R. 2 UNDER S.R. 44 - RAMP G
LAKE COUNTY
STA. 613 + 25.24

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
JJN	JJN				3-31-60