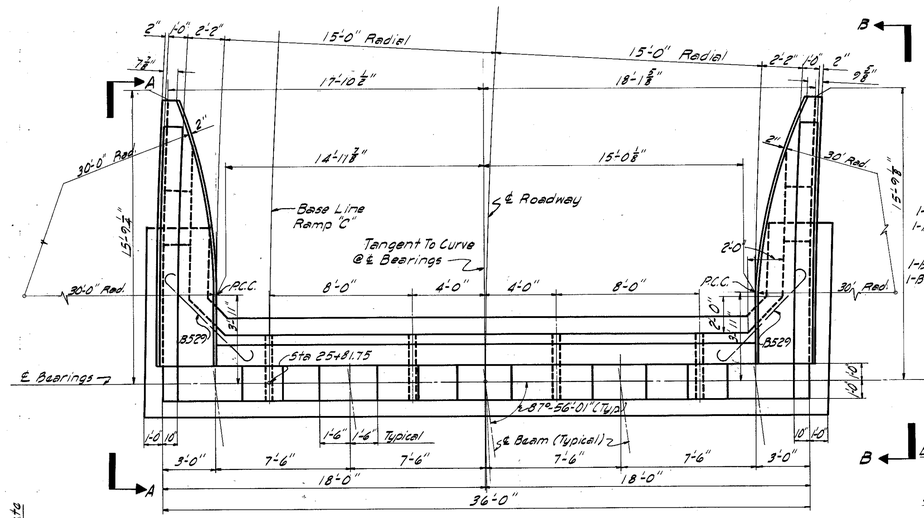
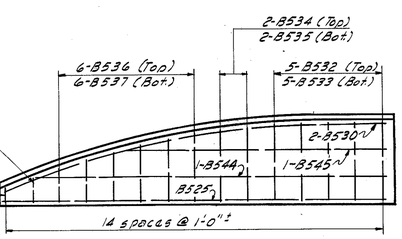
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-110 3 (18)	

CUYAHOGA & LAKE COUNTIES
LAK-I-0.00
CUY-I-(5.91

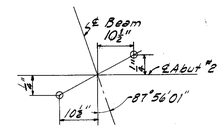
402
458



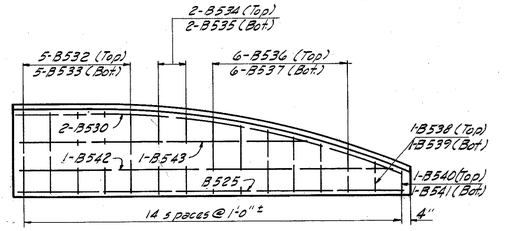
PLAN



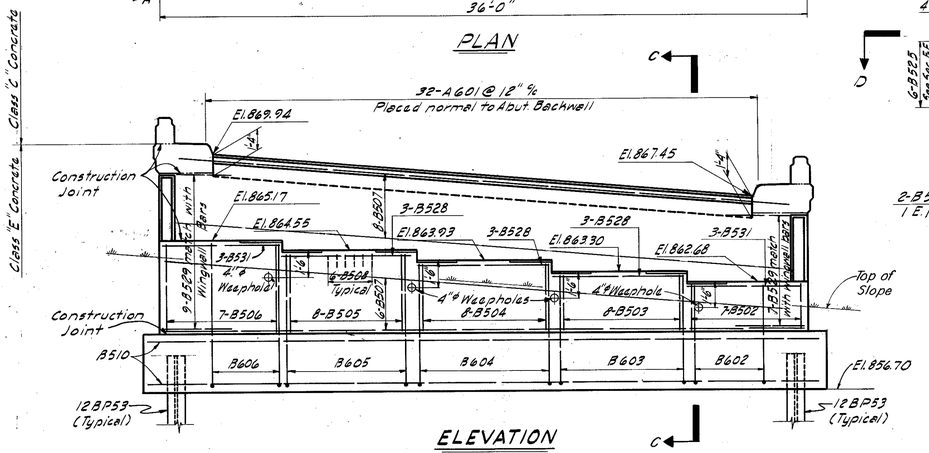
SECTION D-D



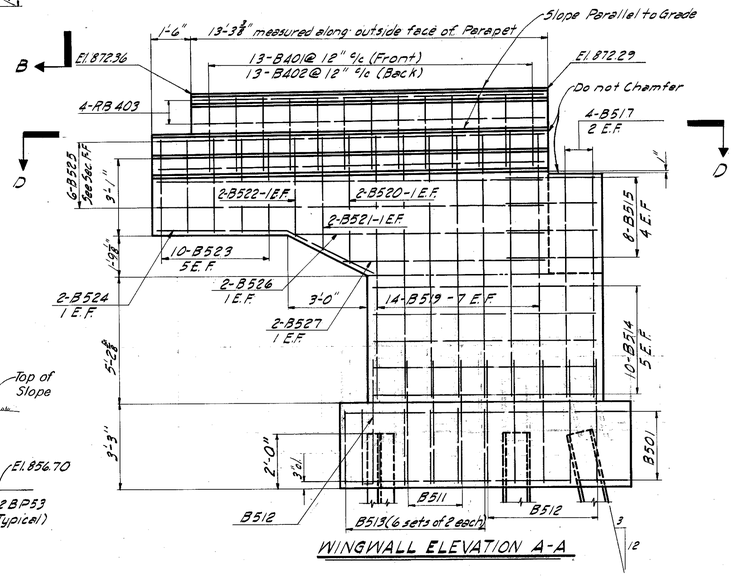
ANCHOR BOLT LAYOUT



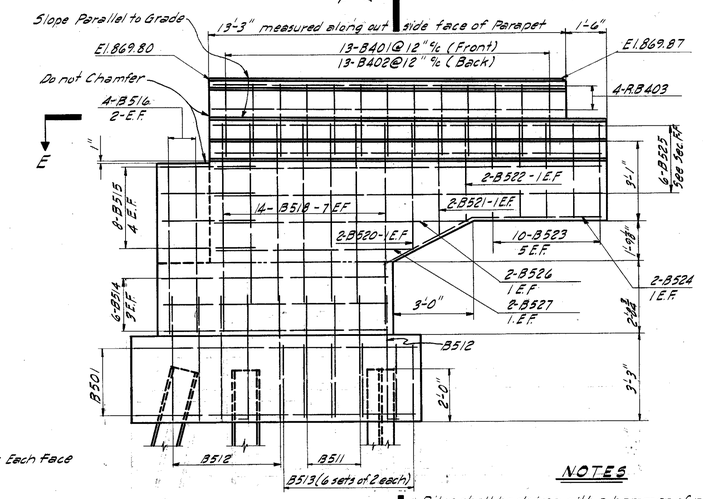
SECTION E-E



ELEVATION

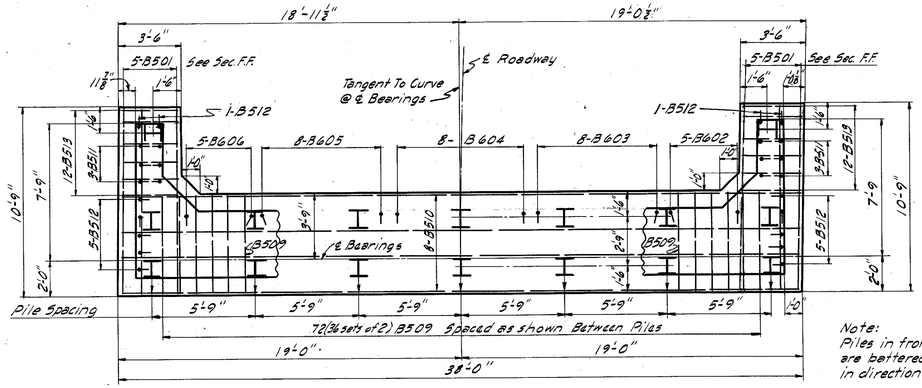


WINGWALL ELEVATION A-A



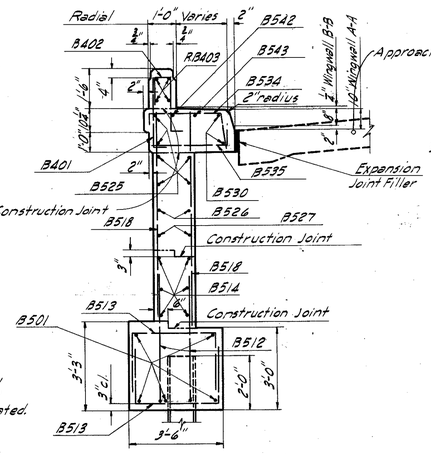
WINGWALL ELEVATION B-B

Note:
E.F. Indicates Each Face

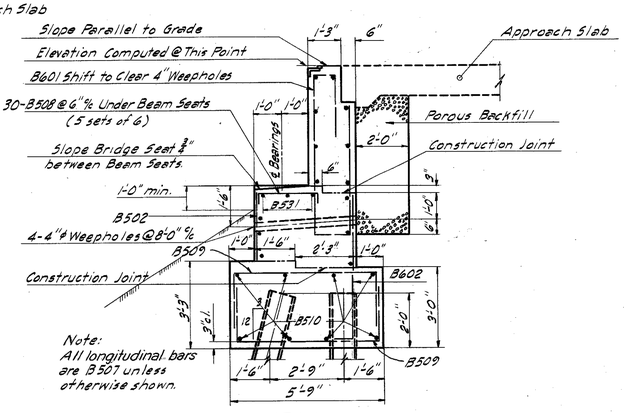


FOOTING PLAN

Note:
Piles in front row are battered 3:12 in direction indicated.



SECTION F-F



SECTION C-C

Note:
All longitudinal bars are B501 unless otherwise shown.

NOTES

- Piles shall be driven with a hammer of not less than 11,000 lbs. per blow to firm contact with shale. 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. 5-1805 is not less than the following value for the pile hammer of the indicated energy rating:

  52 Tons per pile using a 11,000 ft lb. hammer
  48 Tons per pile using a 15,000 ft lb or greater hammer

- If the energy rating of the hammer is between the rating as shown above, the required formula capacity shall be determined by interpolation. The design load is 40 tons per pile for the abutment piles.

- The embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the subgrade for a distance of 200 feet back of the abutments, after which excavation shall be made for the abutments.

- For additional abutment notes refer to Abutment No. 1.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

ABUTMENT NO. 2

BRIDGE NO. LAK-I-0145
UNDER EUCLID SPUR (RAMP "C")

LAKE COUNTY STA. 77+49.90

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
G.S.W.	P.W.J.	A.C.M.	Y.G.	H.G.H:12-30-58	

59-B-65