

MICROFILMED
SEP 6 1965

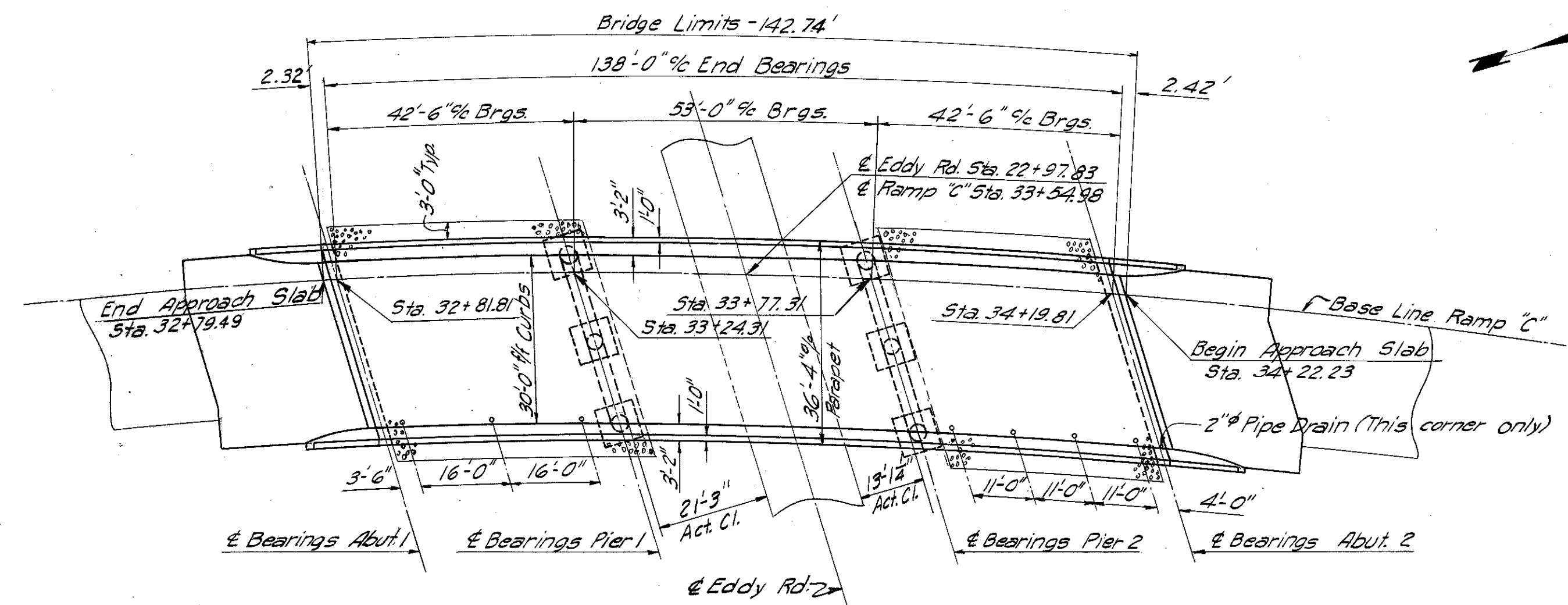
FED. RD. DIVISION	STATE	PROJECT	TYPE FUNDS
2	OHIO	I-1103(18)	

423
458

CUYAHOGA & LAKE COUNTIES
LAK-1-0.00
CUY-1-15.91

GENERAL NOTES

- Loading: CF = 2000 (37)
- Design Specifications: This structure conforms to the requirements of "Design Specifications for Highway Structures" of the State of Ohio, Department of Highways dated 9-1-57 with revisions thereto dated 2-21-58.
- Reference shall be made to Standard Drawing C5B-2-56 Sheets 2 & 3 of 6 and AR-1-57, revised 2-2-59.
- Welding of structural steel shall be Class "A" except as shown otherwise (—B). Any welds shown field welds may, at the option of the contractor, be made in the shop.
- Maintenance and Protection of Traffic: Two lanes of traffic with a minimum horizontal width of 26'-0" shall be maintained on Eddy Road at all times the closure of Eddy Road permitted on Sheet 12-A is not in effect. The Contractor shall safeguard the traveling public by providing platforms, nets or other suitable protection above the traveled lanes. A minimum vertical clearance of 12'-9" shall be provided at all times.
- Pier footings shall extend a minimum of 3' into shale or to the elevation shown, whichever is lower.
- Foundation Bearing Pressure: Pier footings are designed for a maximum bearing pressure of 5 tons per sq. ft.
- Piles shall be driven with a hammer of not less than 11,000 ft. lbs. per blow to firm contact with shale. If the length of penetration is approximately equal to the depth to shale 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:
 For Abutment 1 Piles: 38 tons per pile using a 11,000 ft. lb hammer.
 34 tons per pile using a 15,000 ft. lb. or greater hammer
 For Abutment 2 Piles: 44 tons per pile using a 11,000 ft. lb hammer.
 39 tons per pile using a 15,000 ft. lb. or greater 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 30 tons per pile.
- Backfill behind the abutments shall be made with material meeting the requirements of Sec. 1-22 and shall be compacted in accordance with requirements for embankment compaction. Payment for the backfill shall be included with unclassified excavation.
- MACHINE FINISH: The concrete bridge deck slab shall be finished as specified in the proposal note, "Machine Finishing of Bridge Deck Slabs."
- STEEL: See proposal regarding A-373 steel.

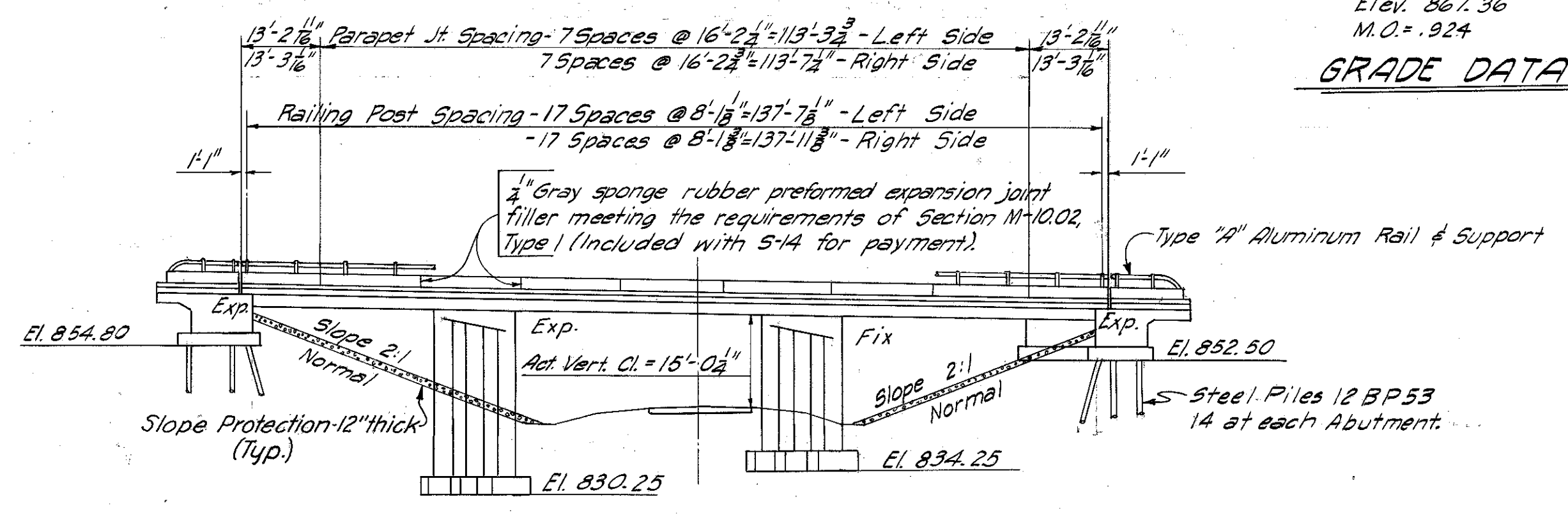


GENERAL PLAN

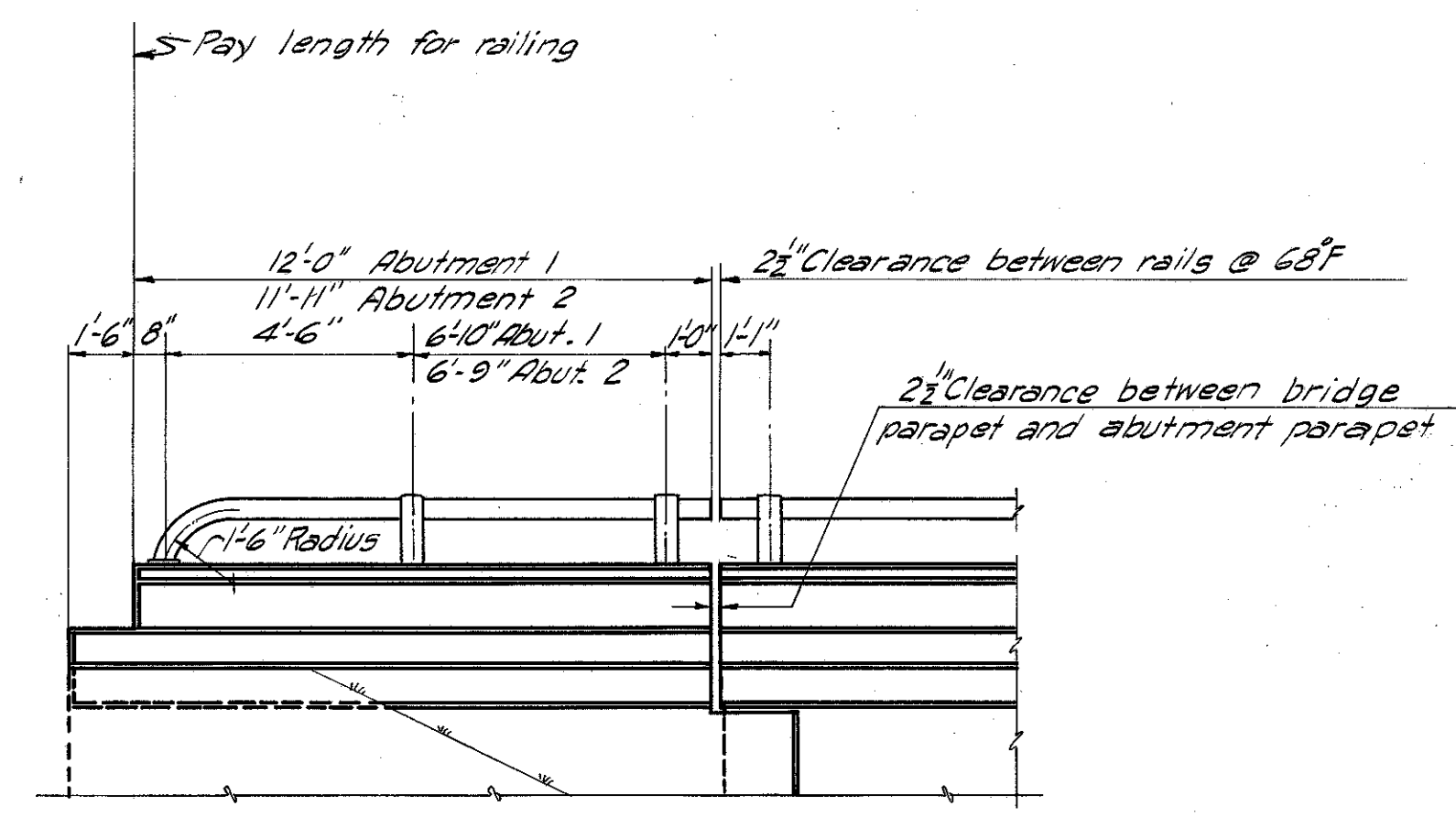
-5.2% -2.985%

VC = 300'
PVI Sta. 33+00
Elev. 867.36
M.O. = .924

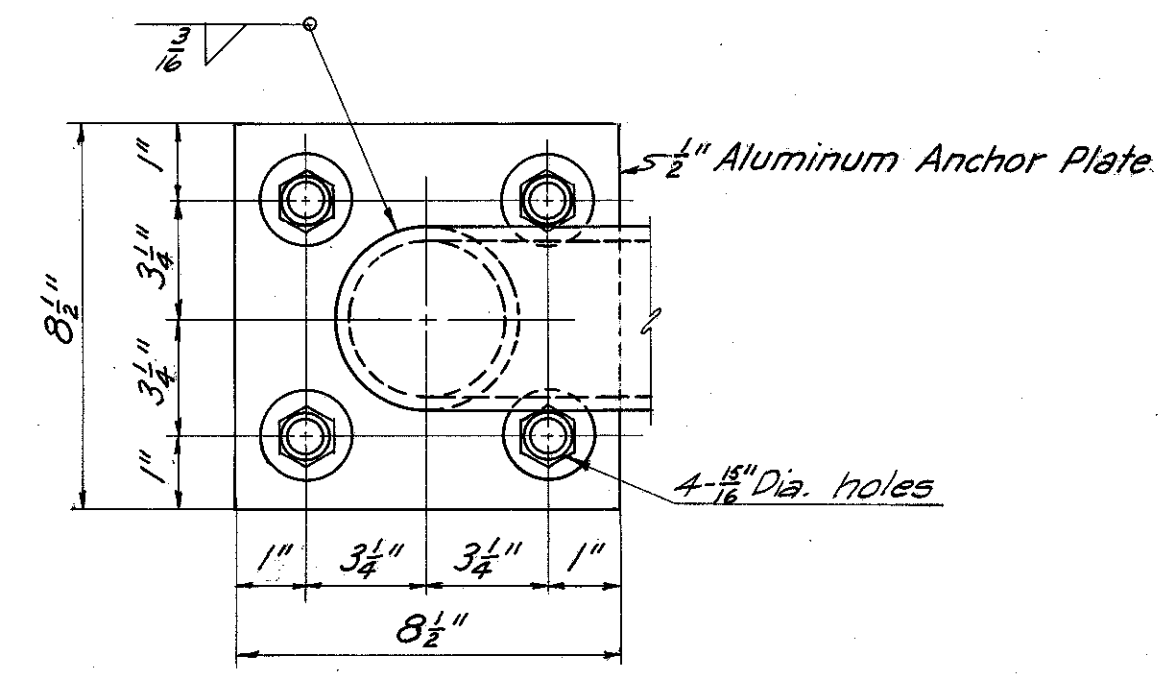
GRADE DATA



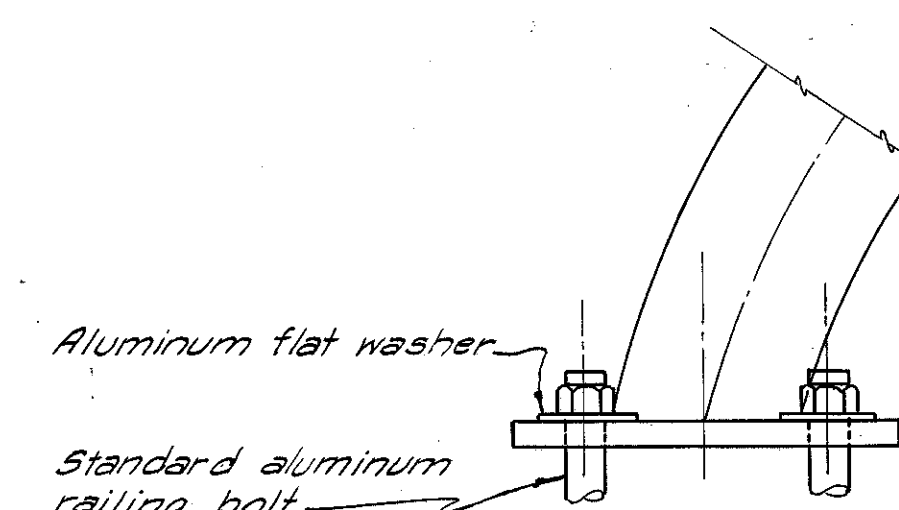
ELEVATION



TYPICAL ABUTMENT RAILING DETAIL

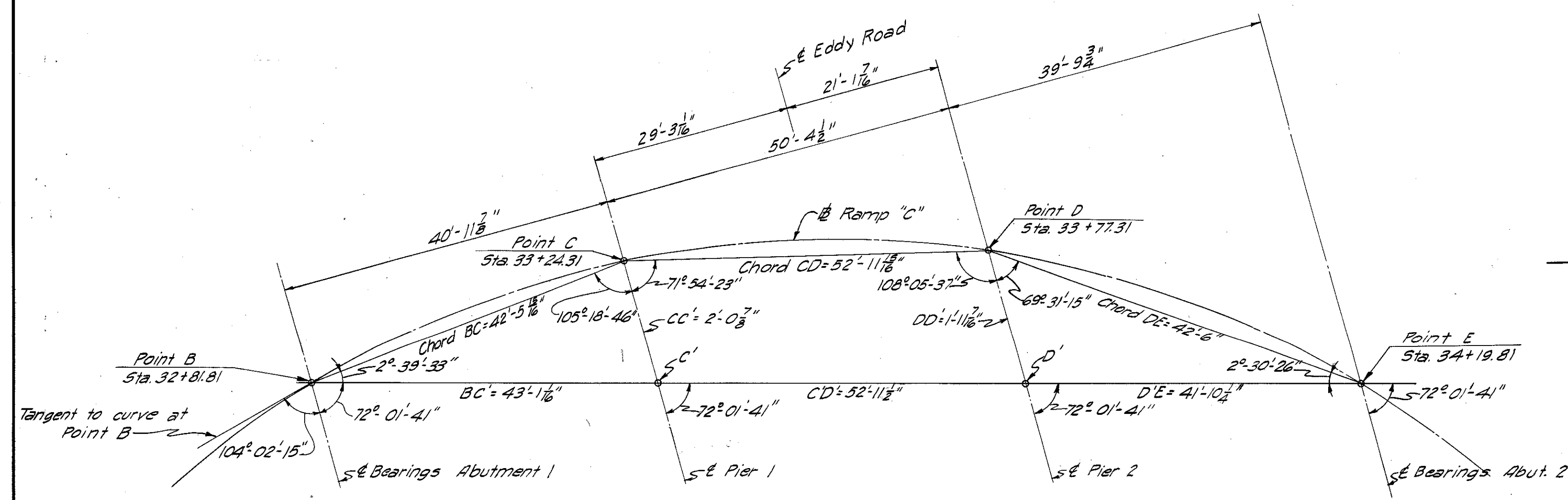


PLAN

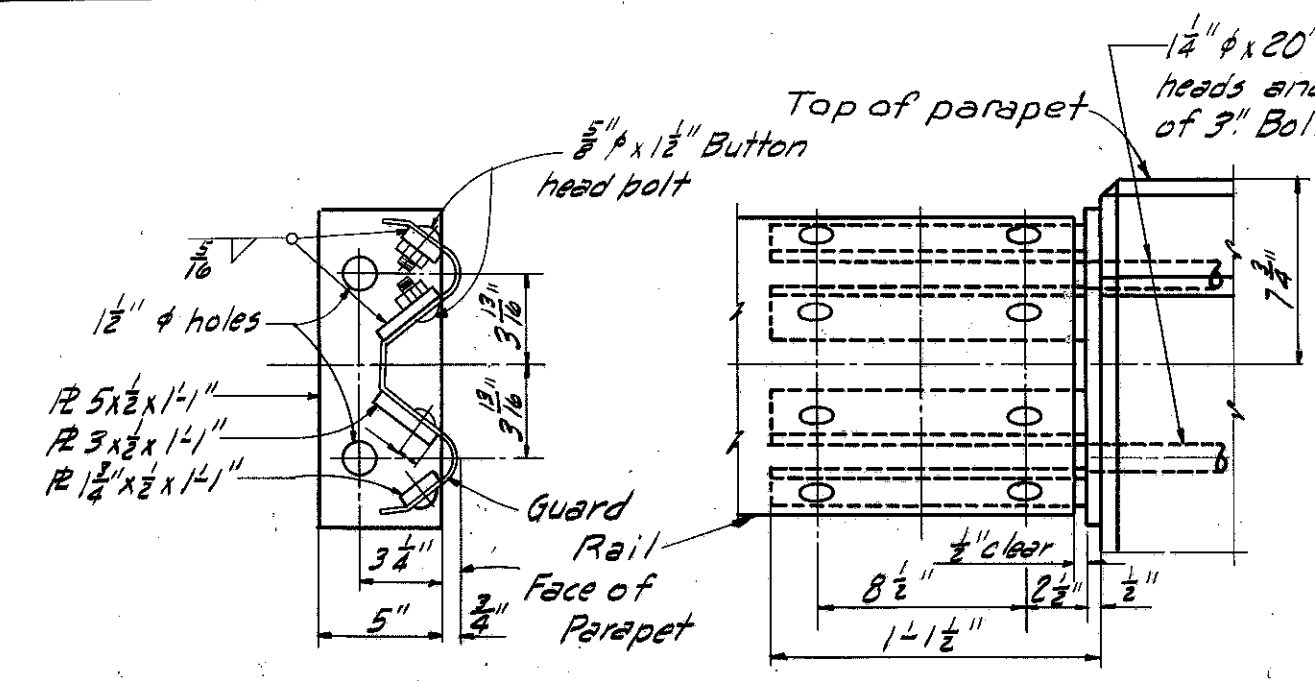


ELEVATION

DETAIL OF RAILING ANCHOR PLATE AT END OF PARAPET



LAYOUT OF STRUCTURE



GUARD RAIL DETAIL
(As Seen From Pavement Side)

Guard rail end connection assembly (above) shall be galvanized after welding.

MICHAEL BAKER JR., CONSULTING ENGINEERS
ROCHESTER, PENNSYLVANIA

GENERAL PLAN & ELEVATION

RAMP "C" OVER EDDY ROAD

LAKE COUNTY STA. 32+79.49
STA. 34+22.23

Designed	Drawn	Traced	Checked	Reviewed-Date	Revised
W.R.B.	W.H.T.	M.S.	H.C.M.	H.G.H. 12-30-58	