

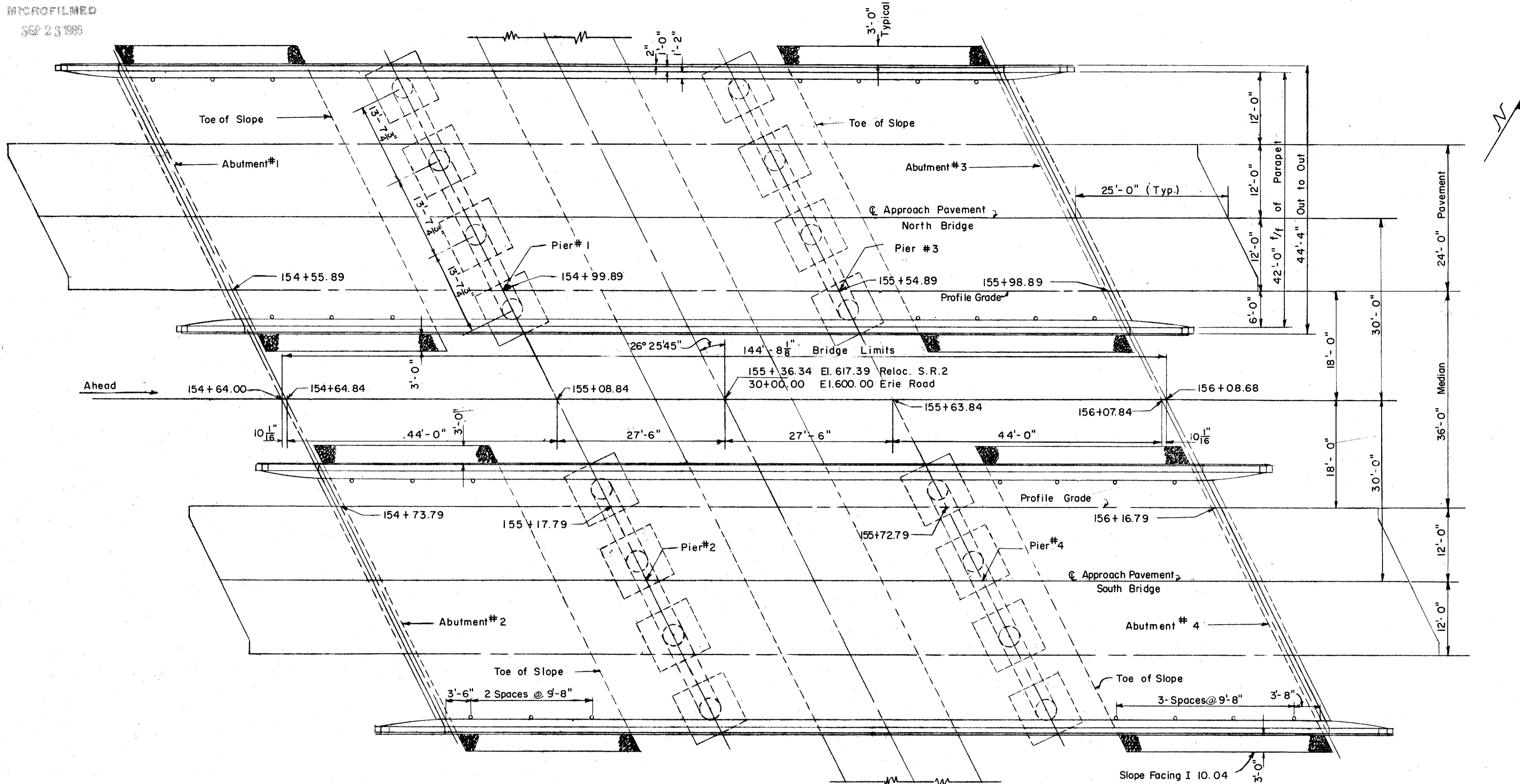
GENERAL NOTES

- Reference shall be made to Standard Drawings AS-1-54 dated 7-1-54 Revised 12-1-54, AR-1-57 Revised 2-2-59.
- 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 together with current revisions thereof.
- Excavation Quantities include the removal of fill material between the surface of the proposed embankment and the bottom of the abutments. Backfill behind the abutments shall be made with material meeting the requirements of Sec. I-22 and shall be compacted in accordance with requirements for Embankment Compaction. Payment for Backfill shall be included with Item E-2.
- Excavation Quantities for the Piers include the removal of all material required for construction of the Piers.
- Procedure: The Embankment shall be placed and compacted up to the finish spill-thru slope and to the level of the subgrade for 200 ft. back of the abutments, after which Excavation for the Piers and Abutments shall be made. All Piling shall be driven before any of the Piers are extended above the tops of the footings and before the Abutments are placed. A waiting period of 30 days shall occur before excavation for the abutments may be made.
- Porous Backfill 2 ft. thick, full length of Abutments and Wings shall extend up to the underside of the Approach Slab or to the finished ground surface. Excavation in excess of that required for the Abutments shall be considered as included in the Bid Price per Cu Yd. for Porous Backfill.
- Crushed Aggregate Slope
- Protection (I-10.04) one foot thick shall be provided as indicated on the "General Plan."
- 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 bridge foundation investigation report, the firm contact shall be considered as attained when the capacity according to formula in Sec. S-18.05 is not less than the following values for a pile hammer of the indicated energy rating:

HAMMER, FT. LB.	ABUTMENTS Tons per Pile	PIERS Tons per Pile
11,000	38	50
15,000	34	45

If the energy rating of the hammer is between the ratings given above, the required formula capacity shall be determined by interpolation. The Design Load is 30 Tons per Pile, for the Abutments and 25 Tons per Pile for the Piers.

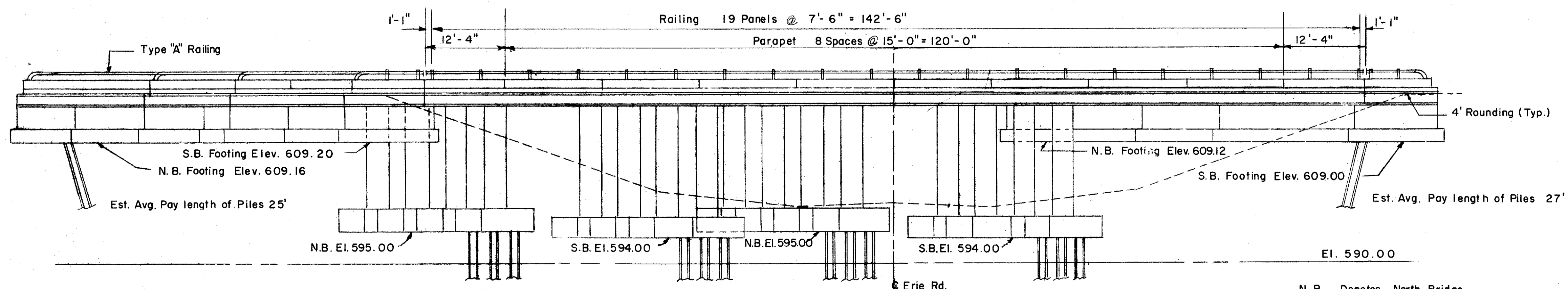
Maintenance and Protection of Traffic: Two lanes of traffic with a minimum horizontal width of 22'-0" shall be maintained on ERIE Rd. at all times. The Contractor shall safeguard the traveling public by providing platforms, nets or other suitable protection above the traveled lanes. A minimum vertical clearance of 12'-9" shall be provided at all times.



GENERAL PLAN

+1.25% -1.25%

P.V.I. 155+00 E.I. 621.00
L.V.C. 1150' M.O. 3.59



GENERAL ELEVATION

Est. Avg. Pay length of Piles for the Piers - 10'

N. B. Denotes North Bridge
S. B. Denotes South Bridge

PREPARED BY CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA. FOR STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES					
GENERAL PLAN BRIDGE NO. LAK-2-0488 S.R. 2 OVER EXIST. ERIE ROAD LAKE COUNTY STA. 155+36.34					
DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED