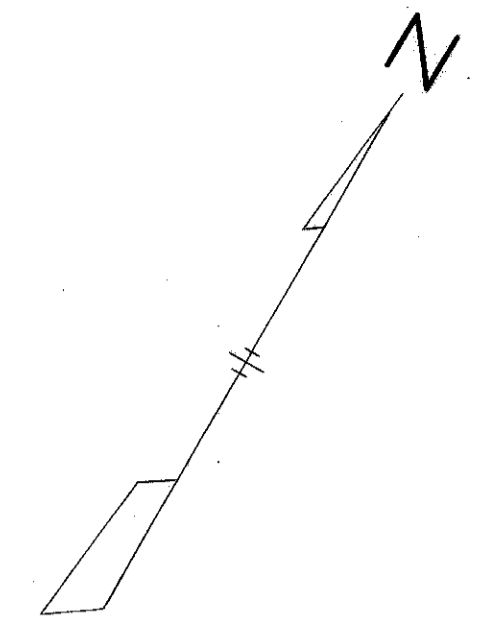
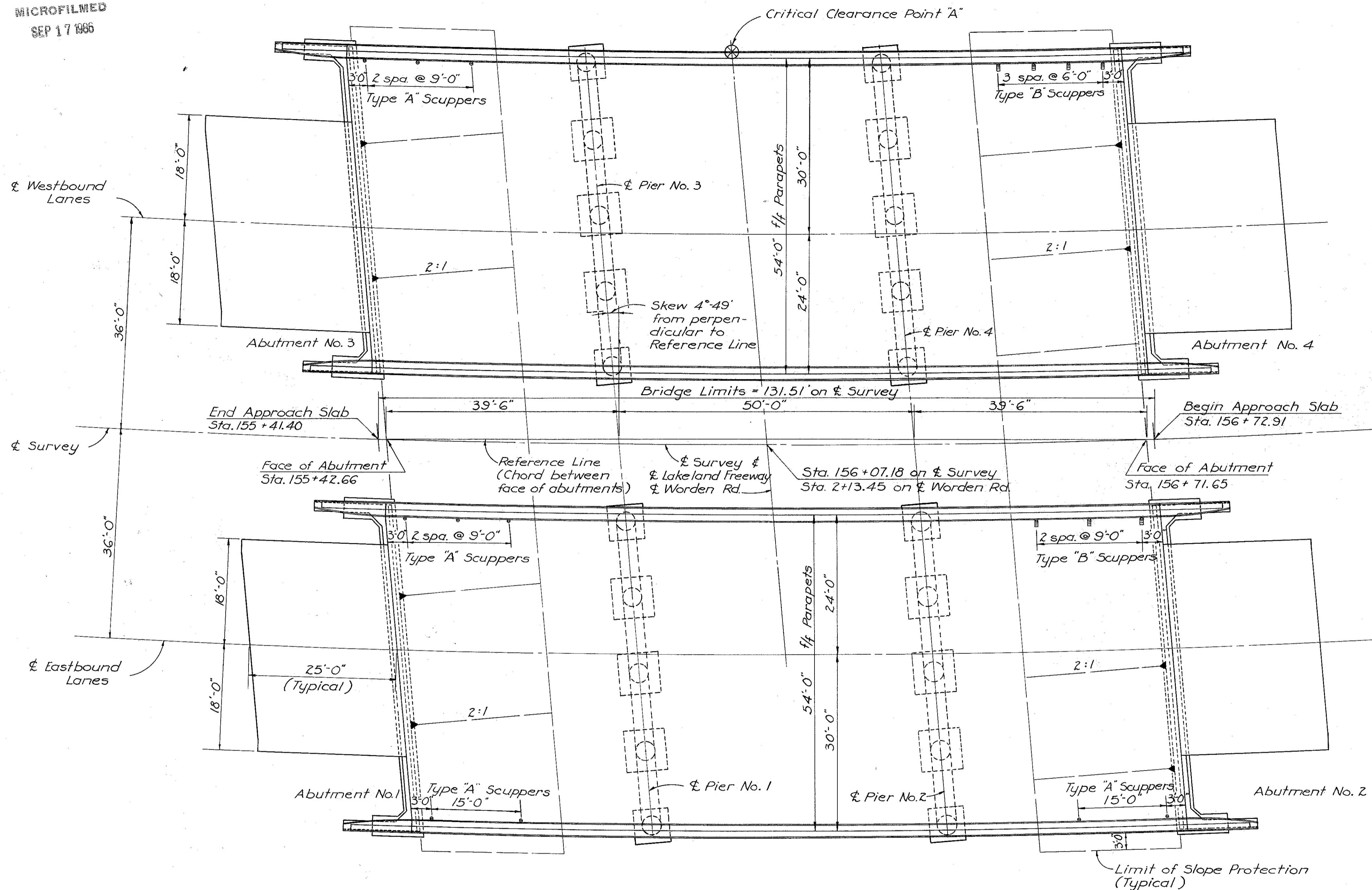


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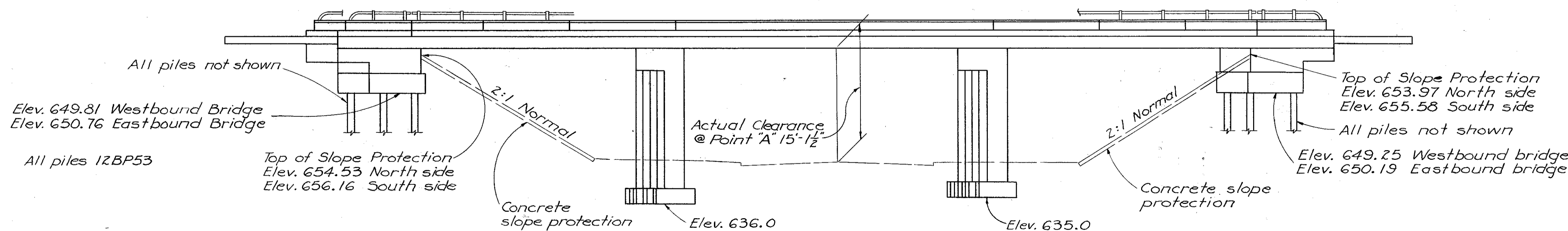
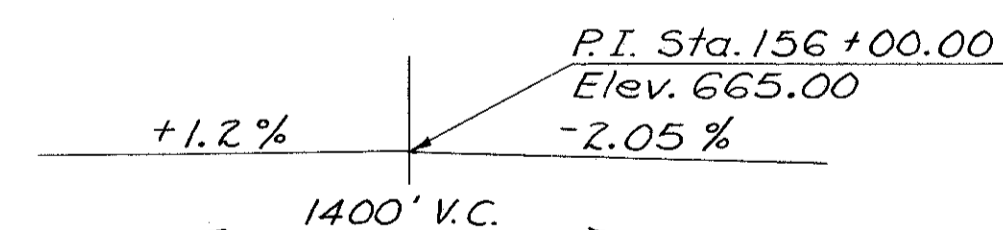
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GENERAL NOTES

- REFERENCE** shall be made to Standard Drawing CS-2-54, dated 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.
- EXCAVATION QUANTITY** includes the removal of fill material required for construction of the abutments and wingwalls.
- PILES** shall be driven 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:
56 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 ratings as shown above, the required formula capacity shall be determined by interpolation. The design load is 35 tons per pile.
- 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 3 tons per sq. ft.
- PROCEDURE:** The embankment shall be placed and compacted up to the finished spill-thru slope and to the level of the sub-grade for a distance of 200 feet back of the abutments, after which excavation may be made for the abutments and piers.
- MACHINE FINISH:** the concrete bridge deck shall be finished as specified in the proposal note "Machine Finishing of Bridge Deck Slabs."

GENERAL PLAN



GENERAL ELEVATION

STATE OF OHIO DEPARTMENT OF HIGHWAYS DIVISION OF DESIGN AND CONSTRUCTION BUREAU OF BRIDGES						
GENERAL PLAN & ELEVATION & GENERAL NOTES						
BRIDGE No. LAK-2-0105 L&R OVER WORDEN ROAD						
LAKE COUNTY				Sta. 155+41.40 Sta. 156+72.91		
DESIGNED	DRAWN	TRACED	CHECKED	REVIEWED	DATE	REVISED
G.M.P.	G.M.P.	J.G.W.	D.G.M.	B.F.G.	12-26-58	5-11-59