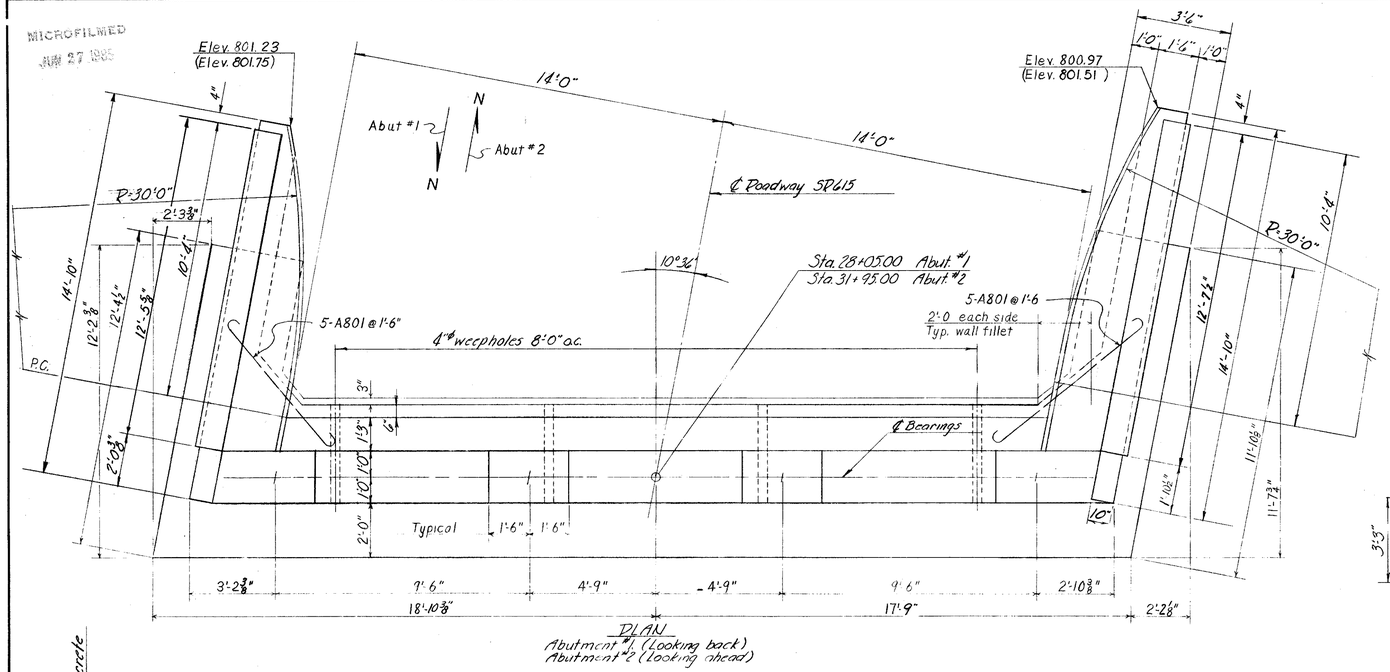
MICROFILMED
JUN 27 1985

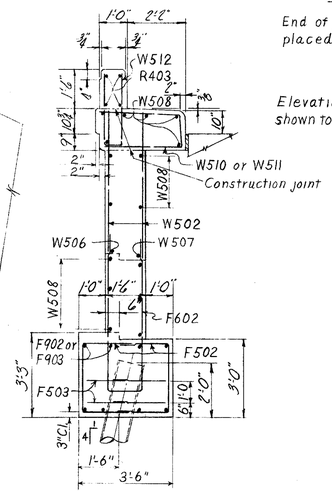
FED. RD. DIVISION	STATE	PROJECT	
2	OHIO		

238
277

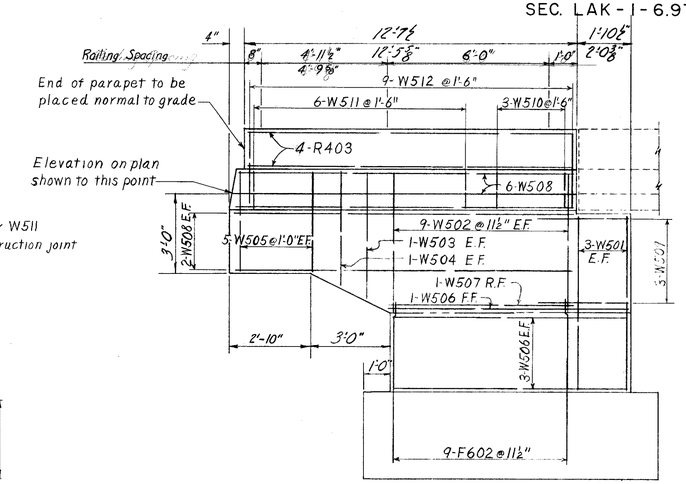
LAKE COUNTY
SEC. LAK-I-6.97



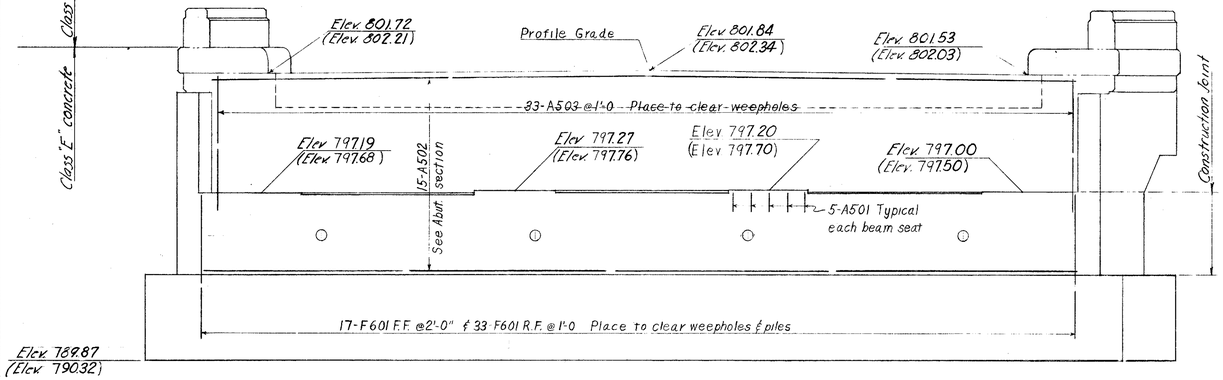
PLAN
Abutment #1 (Looking back)
Abutment #2 (Looking ahead)

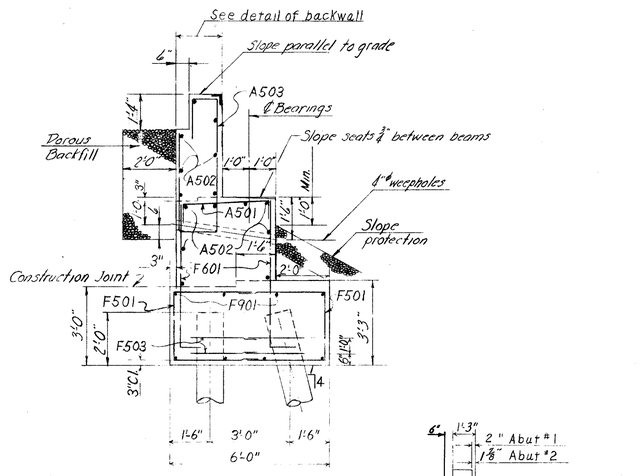


TYPICAL WINGWALL SECTION

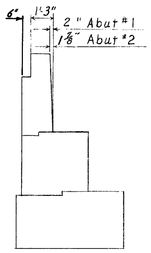


WINGWALL ELEVATION





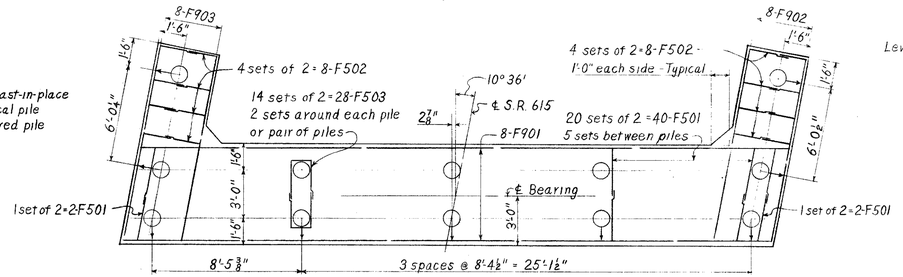
TYPICAL ABUTMENT SECTION



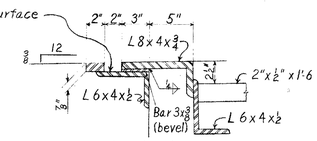
DETAIL OF BACKWALL SLOPE

Elev. denotes Abut #1
(Elev.) denotes Abut #2

ELEVATION



PILE LAYOUT & FOOTING REINFORCING



For details not shown
see CSB-2-56 sheet #2
END DAM DETAILS

NOTES:
E.F. denotes each face.
F.F. denotes front face.
R.F. denotes rear face.
Reinforcing steel shall have 2" of cover from all faces unless otherwise shown.
Allowable pile load is 35 tons.
Design load for piles is 31 tons.
Piles shall be driven to a minimum bearing capacity of 35 tons per pile.

SEC. C-31

PREPARED BY
CAPITOL ENGINEERING ASSOCIATES, DILLSBURG, PA.
FOR

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

ABUTMENTS
BRIDGE NO. LAK-I-0844
S.R. I UNDER S.R. 615
LAKE COUNTY
STA. 89 + 18.13

DESIGNED	DRAWN	TRACED	CHECKED	REVISED DATE	REVISED
	RPK		DET 12-15.		