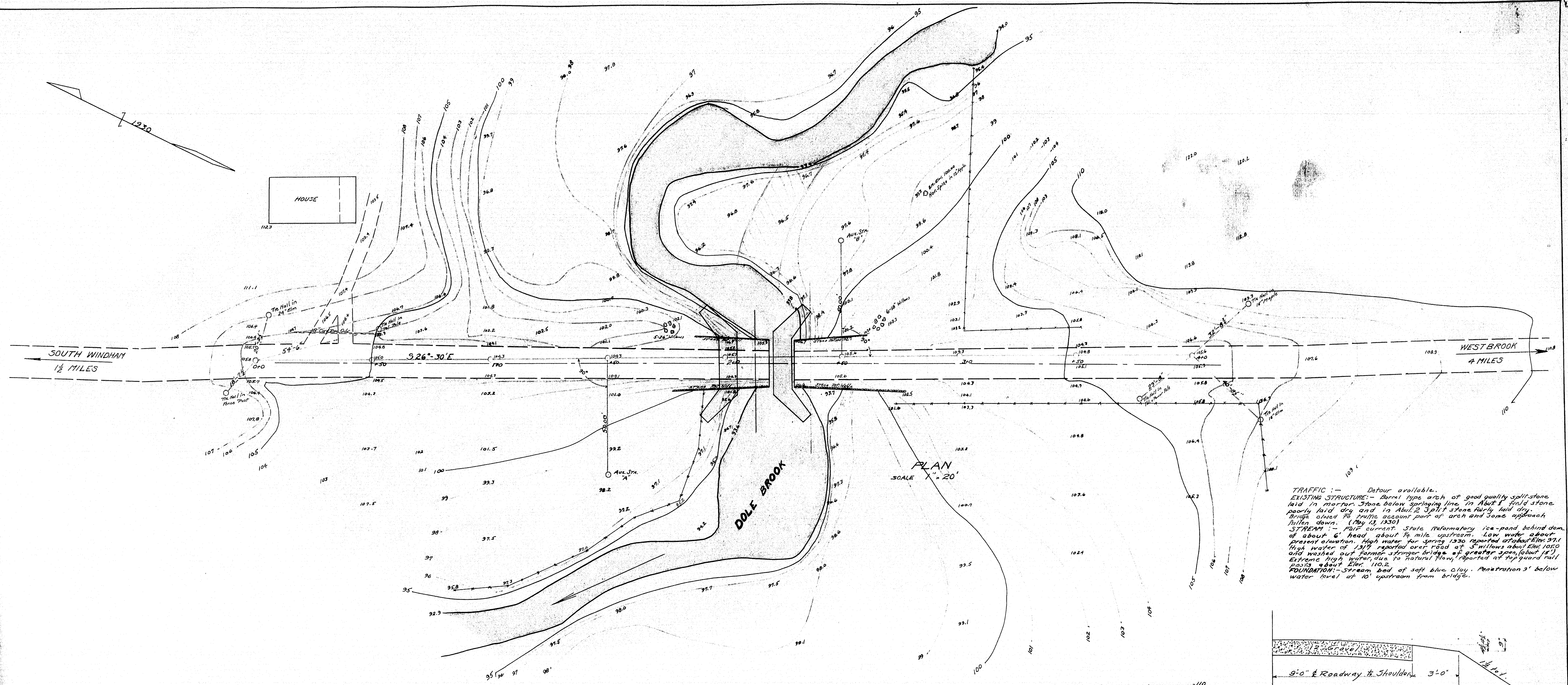
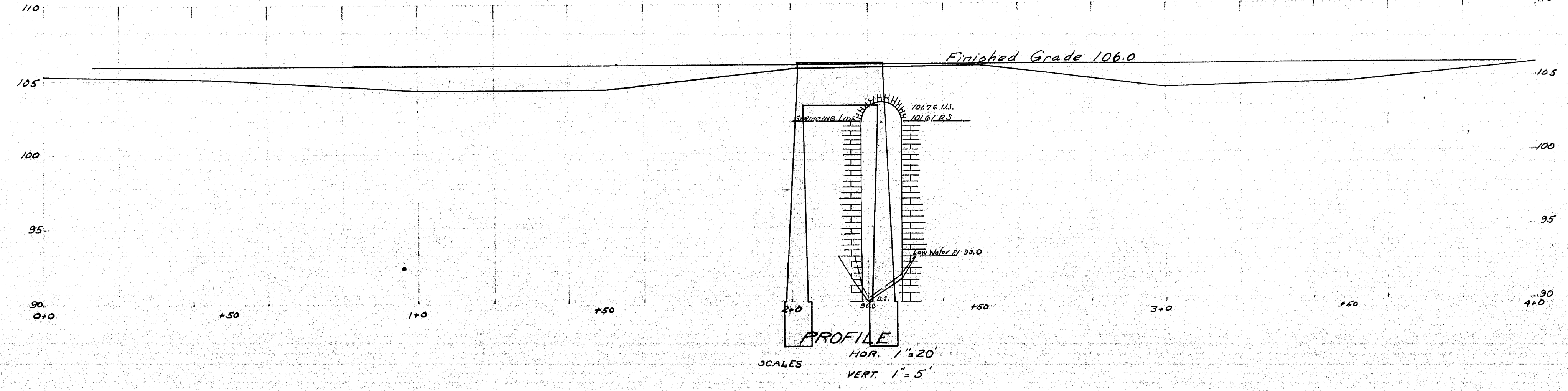
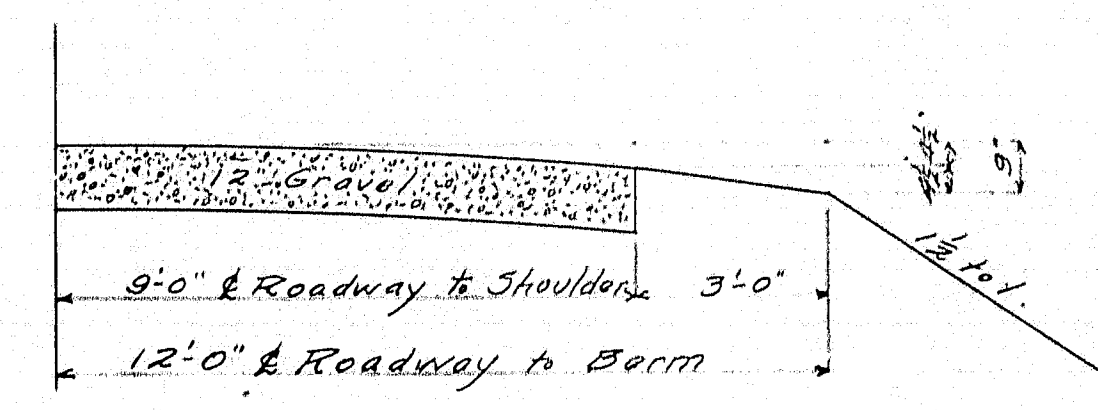




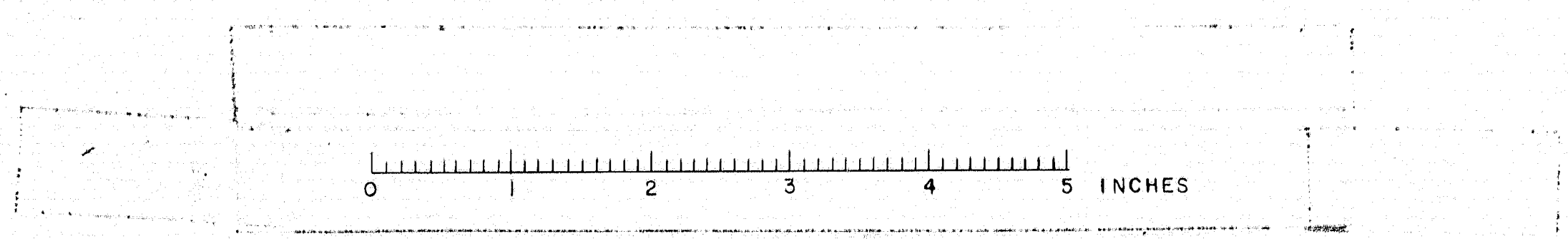
TRAFFIC: - Detour available.
 EXISTING STRUCTURE: - Barrel type arch of good quality split-stone laid in mortar. Stone below springing line in Abut. 1 field stone poorly laid and in Abut. 2 split-stone fairly well dry. Bridge closed for traffic account part of arch and some approach filling down. (May 13, 1930)
 STREAM: - Fair current. State Informationary ice pond behind dam of about 6' head about 1/4 mile upstream. Low water about present elevation. High water for spring 1930 reported at elevation 97.1. High water of 1917 reported over road at S. willows about Elev. 105.0 and washed out former stringer bridge of greater span (about 12'). Extreme high water due to natural flow reported at top guard rail 105.3 about Elev. 110.2
 FOUNDATION: - Stream bed of soft blue clay. Penetration 3' below water level at 10' upstream from bridge.

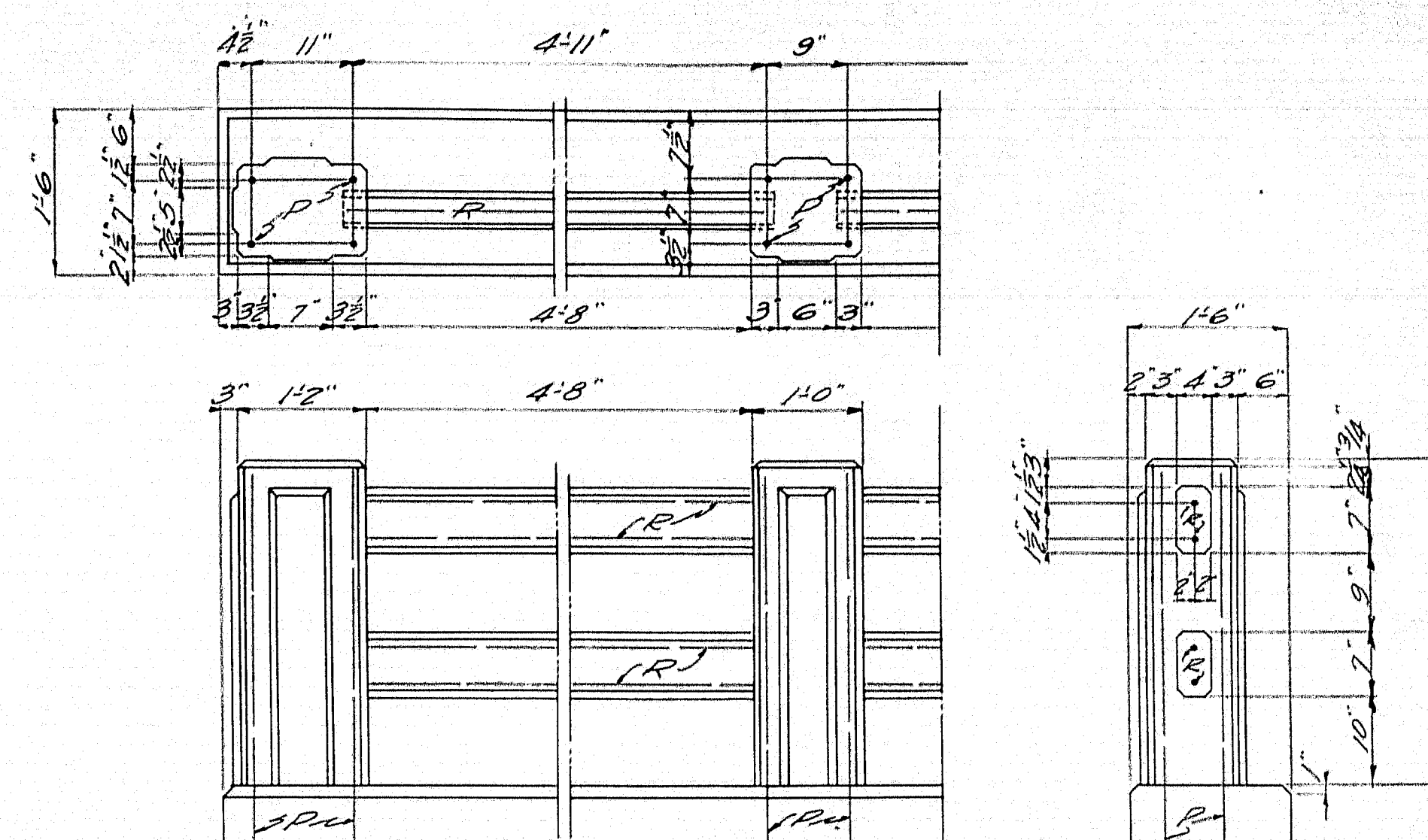
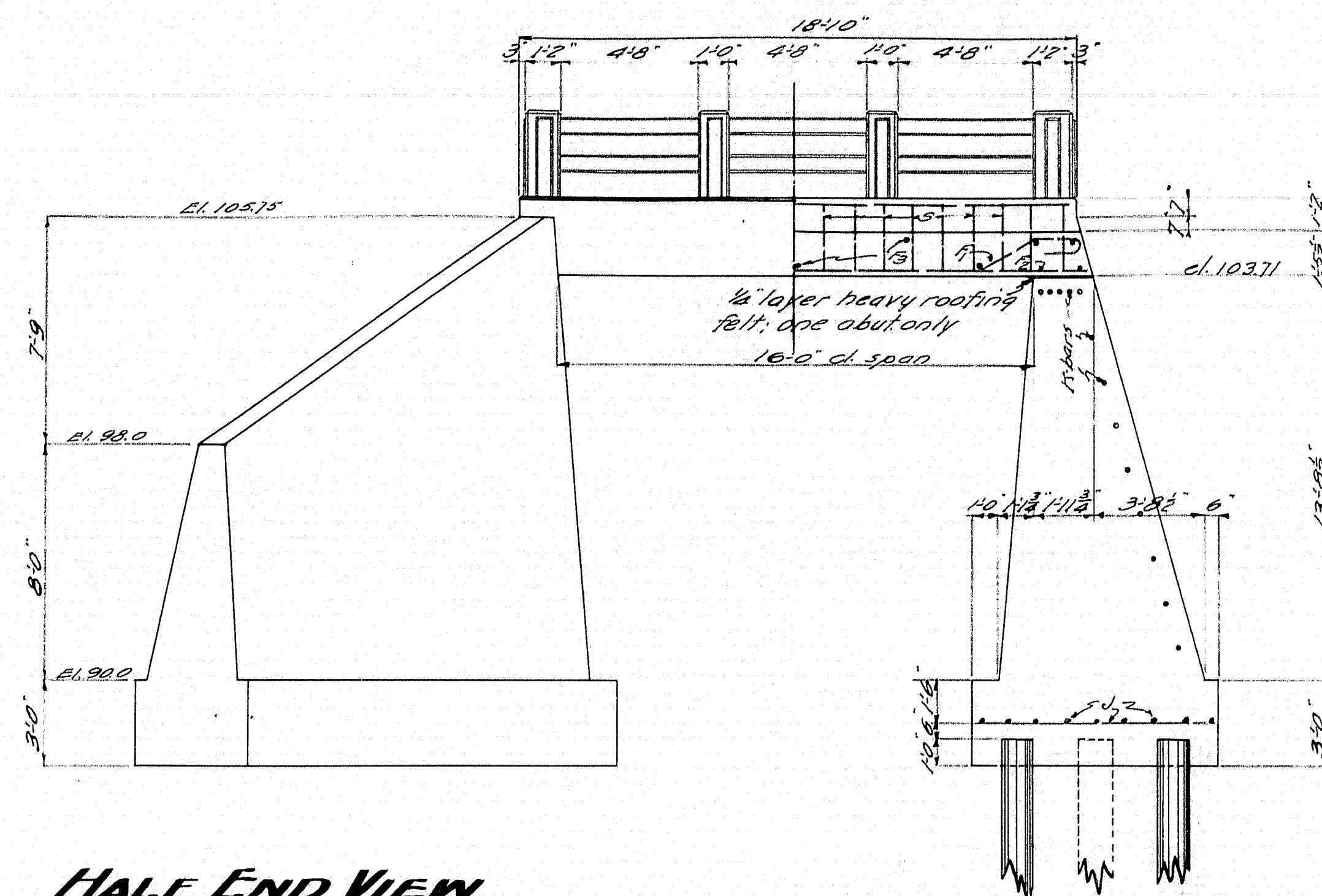
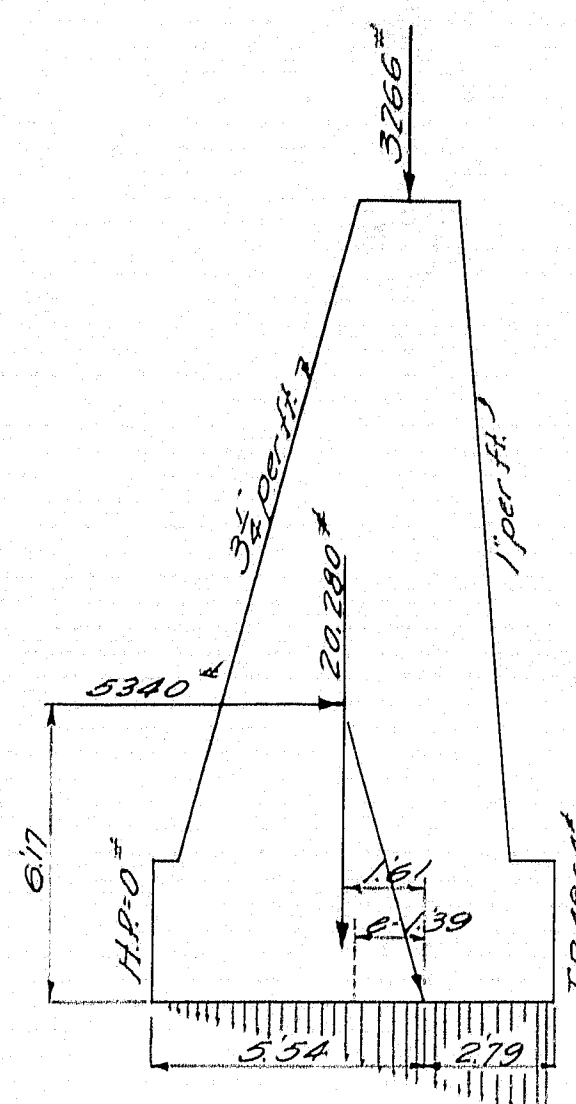


MAINE HIGHWAY COMMISSION
 BRIDGE DIVISION
DOLE BROOK BRIDGE
 OVER
DOLE BROOK
 IN THE TOWN OF
WINDHAM
CUMBERLAND CO.
 SURVEY PLAN
 SHEET 1 of 2. AUGUSTA, ME. JUNE 4, 1930

10-107

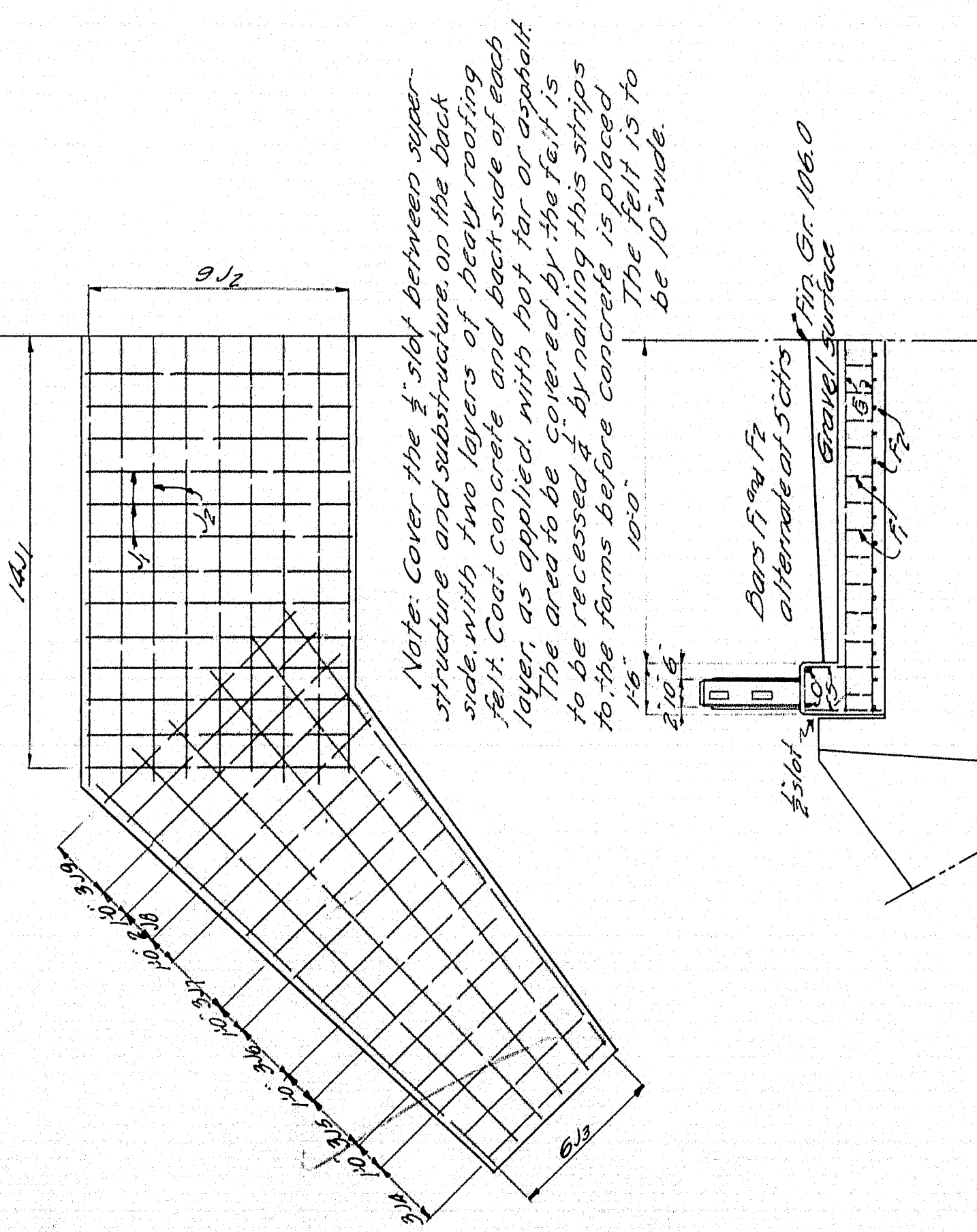
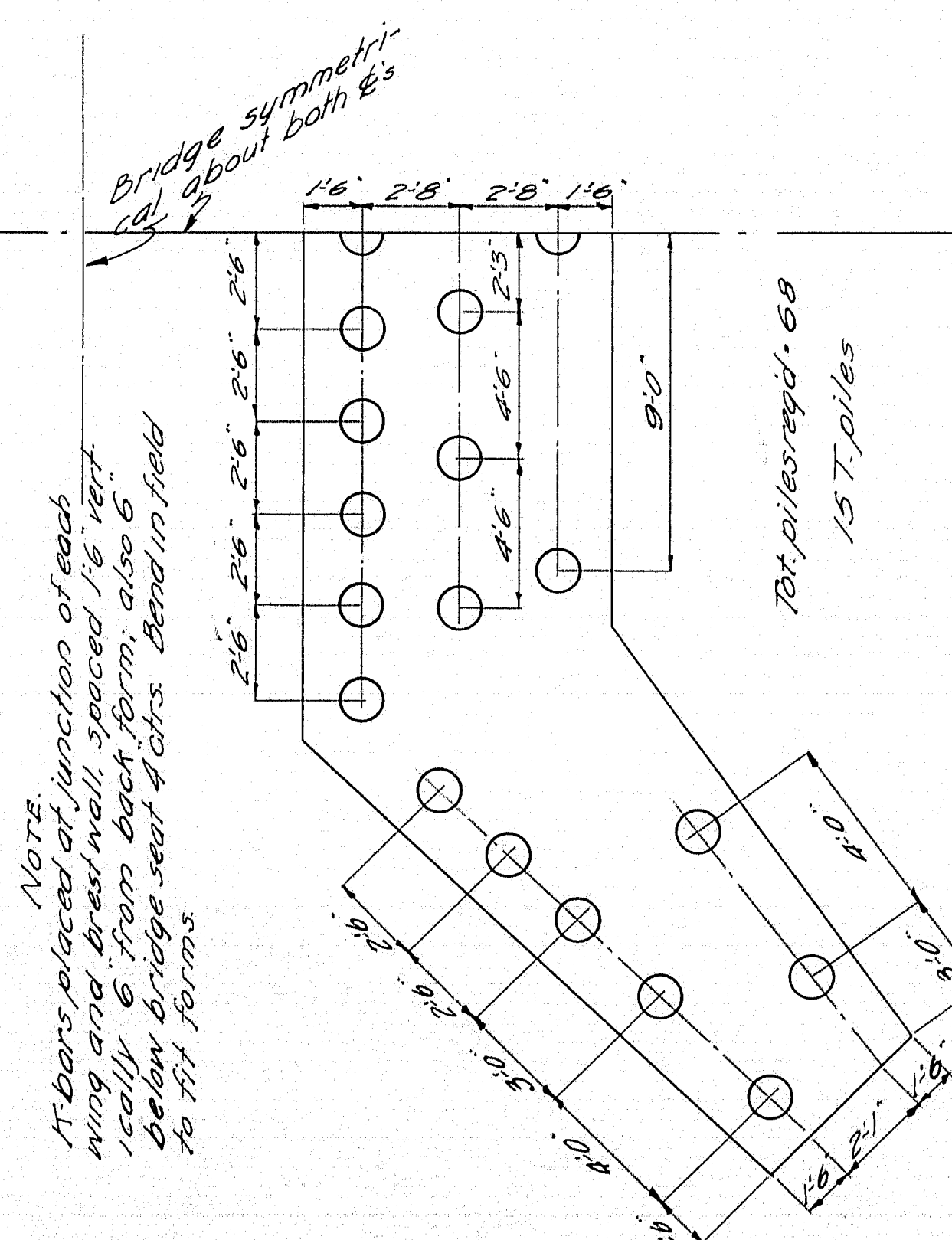
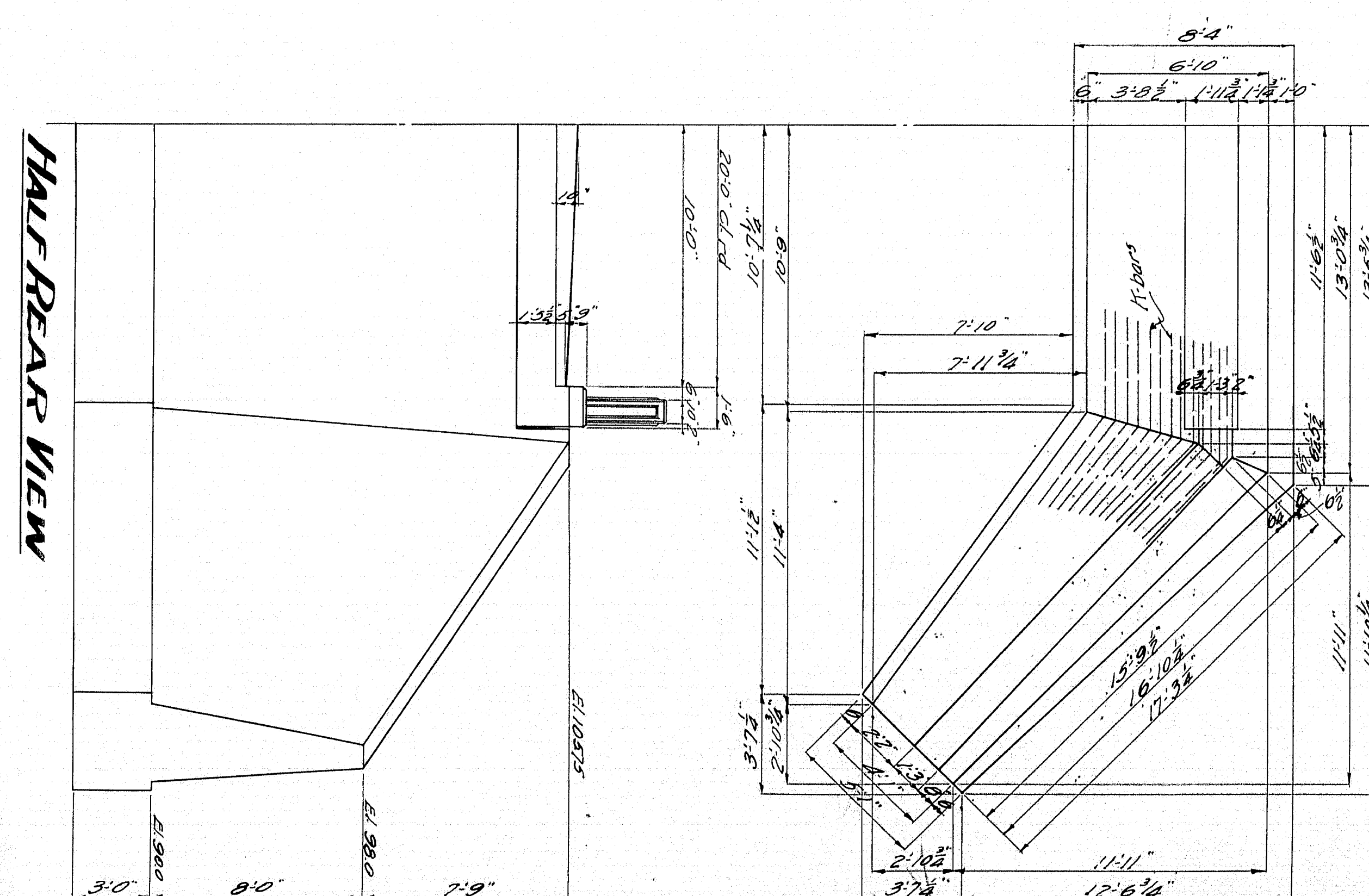
SURVEYED - BECHTOLD
 PLOTTED - JOHNSON
 TRACED - JOHNSON





Curb and slab to be cast together. steel for posts to be set in curb. Precast rail bars in lengths of 5'11". Place rail bars in position with ends projecting into post forms 2". Wrap ends 6" of each rail with 2 thicknesses of light roofing felt. Fold in ends and after post forms are removed cut away all felt left exposed. Panels on posts to be $\frac{1}{2}$ " thick.

All exposed edges of concrete to be chamfered $\frac{1}{4}$ " unless otherwise noted.



HALF TRANS. SECT. SUPER

STEEL SCHEDULE

Mark	Size	Reqd	Tot	Location
F1	1 1/2"	27	21'-6 1/2"	510b
F2	"	28	19'-6"	"
F3	1 1/2"	11	22'-9"	"
F4	3/4"	52	8'-0"	About
F5	3/4"	24	5'-0"	Rail
P	3/4"	32	4'-0"	Post
C	3/4"	4	18'-6"	curbs
S	3/4"	88	6'-0"	"
J1	3/4"	54	8'-1"	Footings
J2	"	18	26'-6"	"
J3	"	24	17'-0"	"
J4	"	12	41'-1 1/2"	"
J5	"	12	5'-6 1/2"	"
J6	"	12	6'-2"	"
J7	"	12	6'-9 1/2"	"
J8	"	8	7'-8 1/2"	"
J9	"	12	2'-0 3/4"	"

All steel to be plain round bars of structural grade; all dimensions are to $\pm$ of bars

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

DOLE BROOK BRIDGE

DOLE BROOK
In the town of

WINDHAM

CUMBERLAND Co

BRIDGE DETAILS
Sheet 2 of 2
Aug. 28, 1930

10-108

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1995-1996

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10. *Journal of the American Statistical Association*, 1997, 92, 1013-1027.