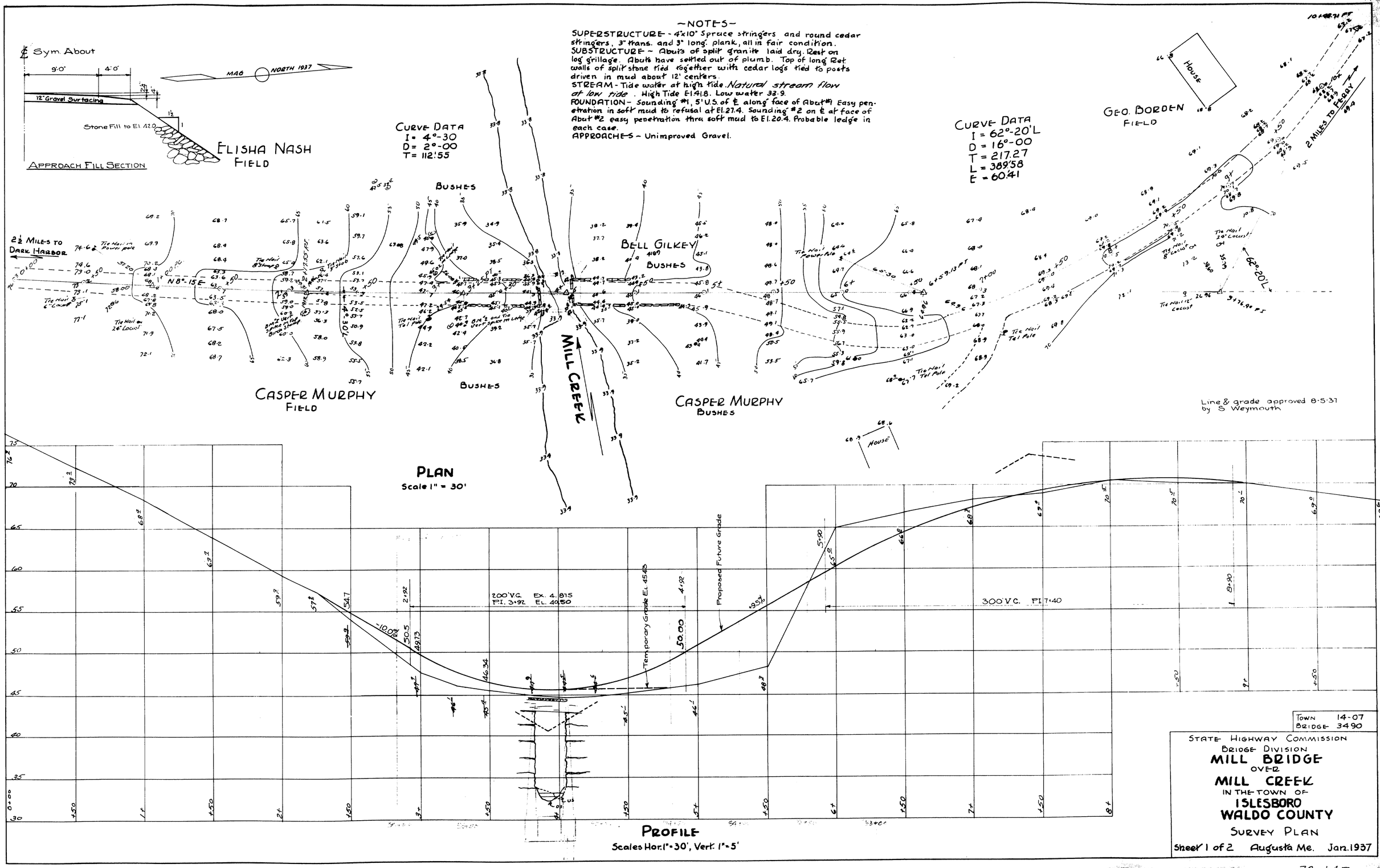
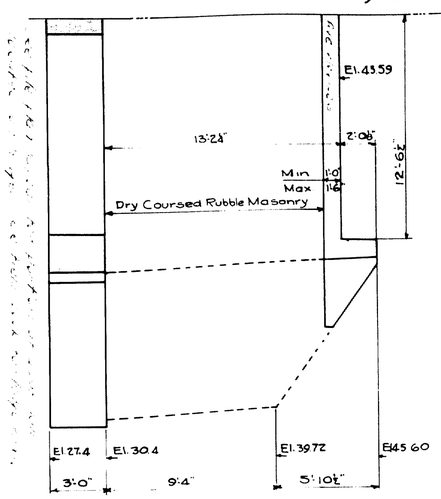
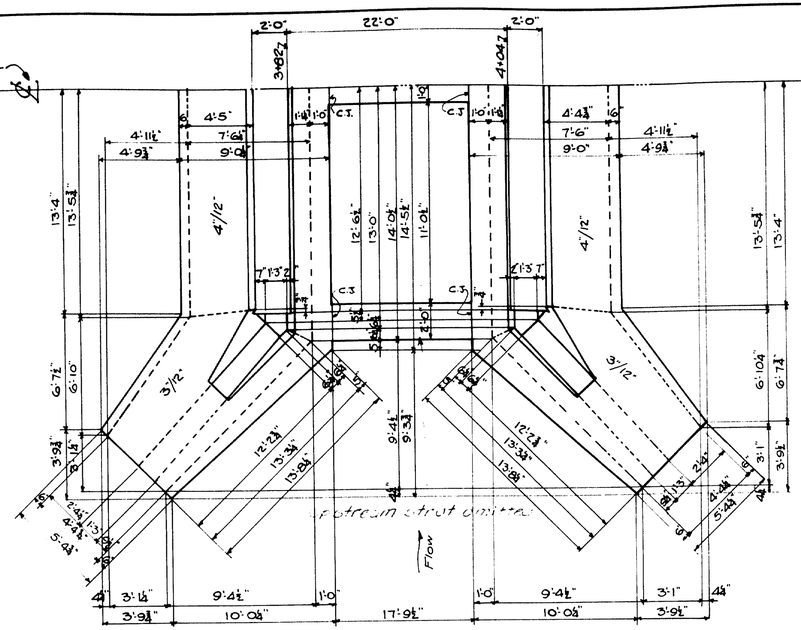


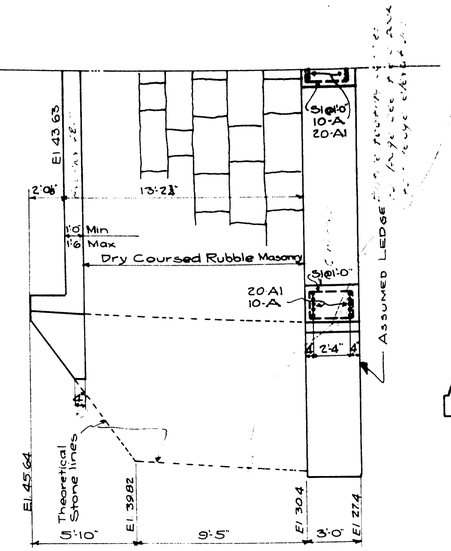
—NOTES—

SUPERSTRUCTURE - 4"x10" Spruce stringers and round cedar stringers, 3" trans. and 3" long. plank, all in fair condition.
SUBSTRUCTURE - Abuts of split granite laid dry. Rest on log grillage. Abuts have settled out of plumb. Top of long Ret walls of split stone tied together with cedar logs tied to posts driven in mud about 12' centers.
STREAM - Tide water at high tide. *Natural stream flow at low tide*. High Tide El 41.8. Low water 32.9.
FOUNDATION - Sounding #1, 5' U.S. of ℄ along face of Abut #1 Easy penetration in soft mud to refusal at El. 27.4. Sounding #2 on ℄ at face of Abut #2 easy penetration thru soft mud to El. 20.4. Probable ledge in each case.
APPROACHES - Unimproved Gravel.

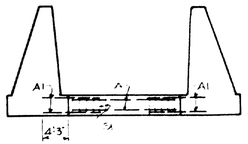


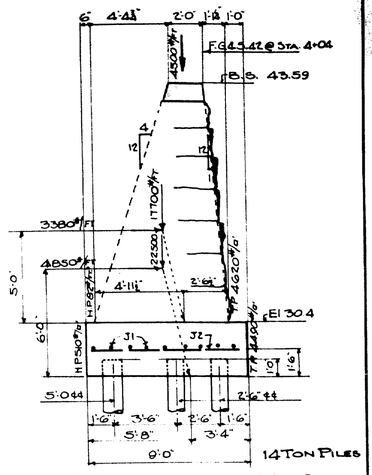
FRONT VIEW ~ ABUT. No. 2



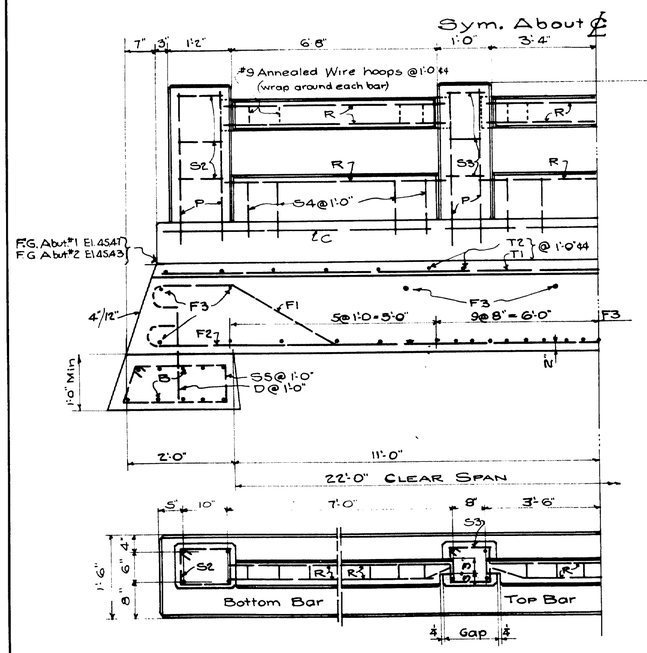


FRONT VIEW ~ ABUT. No. 1

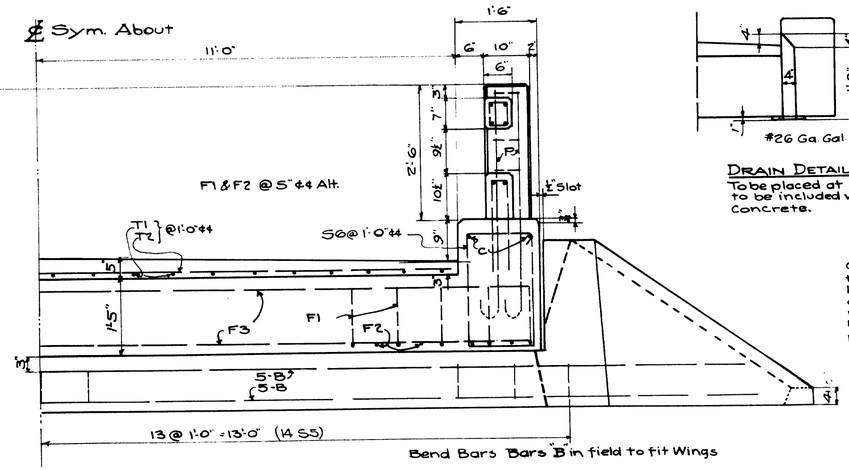


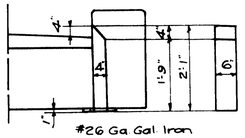


ANALYSIS ABUT No. 2
(ABUT No. 1 SIMILAR - EXCEPT ON LEDGE)



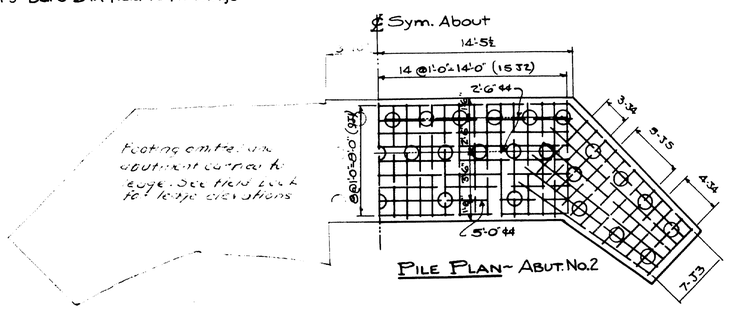
RAIL NOTE: Curb to be cast with slab. Steel for posts and lower bar to be placed before curb is placed. The lower bar is to be cast in place. The longitudinal steel in the bar to project 2". The top bar to be precast and set in position so that the ends project into Post Forms 2½". Wrap the tongue end with 2 layers of heavy roofing. Build post forms and cast posts. All exposed edges of concrete to be chamfered ¾" unless noted.





DRAIN DETAIL ~ 2 REQD
To be placed at mid curb. Cost to be included with that of concrete.

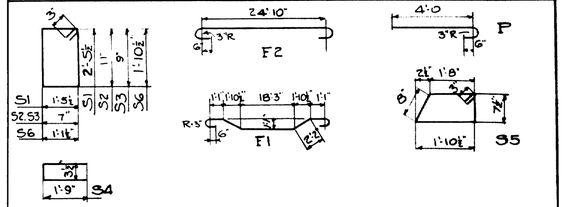
Cover the ¾" Slot between the curb and the wings on the backside with 2 layers of heavy roofing 10" wide. Coat surface of concrete and backside of each layer as applied with hot tar or asphalt. Recess ¾" area to be covered by nailing thin strips to forms before placing concrete.



PILE PLAN ~ ABUT. No. 2

J-Bars shall be 1'-0" ℄ & 6" above tops of piles except J3 which shall be flared in wings.

STEEL SCHEDULE



Bar	Size	No	Length	Remarks	Bar	Size	No	Length	Remarks
S1	½"φ	54	8'-4	Footing Strut Bent	J1	¾"φ	9	28'-6"	Footing Abut #2
S2	½"φ	12	3'-6"	Rail Post "	J2	"	29	8'-6"	" "
S3	½"φ	12	3'-2"	" "	J3	"	14	13'-0"	" "
S4	½"φ	42	3'-9½"	Railing "	J4	"	14	5'-0"	" "
S5	"	54	5'-4"	Br. Seat "	J5	"	10	5'-6"	" "
S6	"	50	6'-6"	Curb "	A	1"φ	30	17'-0"	" Strut
					A1	1"φ	60	9'-0"	" "
F1	1"φ	30	27'-4"	Slab "	T1	⅝"φ	25	21'-8"	W.S.
F2	1"φ	29	27'-5"	" "	T2	⅝"φ	22	24'-6"	"
P	¾"φ	32	5'-3½"	Rail Post "	B	¾"φ	20	34'-0"	B.S.- Bend in Field
					C	½"φ	4	24'-6"	Curb
					R	½"φ	36	7'-0"	Railing
					F3	⅝"φ	39	24'-8"	Slab
					D	1"φ	50	2'-0"	Dowels - BS

All bars structural grade. Dimensions to ℄s of bars.

Loading HIS
F_c = 900#/□"
F_s = 16000#/□"
n = 10

Design: Eirk
Check: Hamilton

TOWN 14-07
BRIDGE 3490

STATE HIGHWAY COMMISSION
BRIDGE DIVISION
MILL BRIDGE
OVER
MILL CREEK
IN THE TOWN OF
ISLESBORO
WALDO COUNTY
DETAILS

SHEET 2 of 2 AUGUSTA, ME. AUG. 1937

37-143