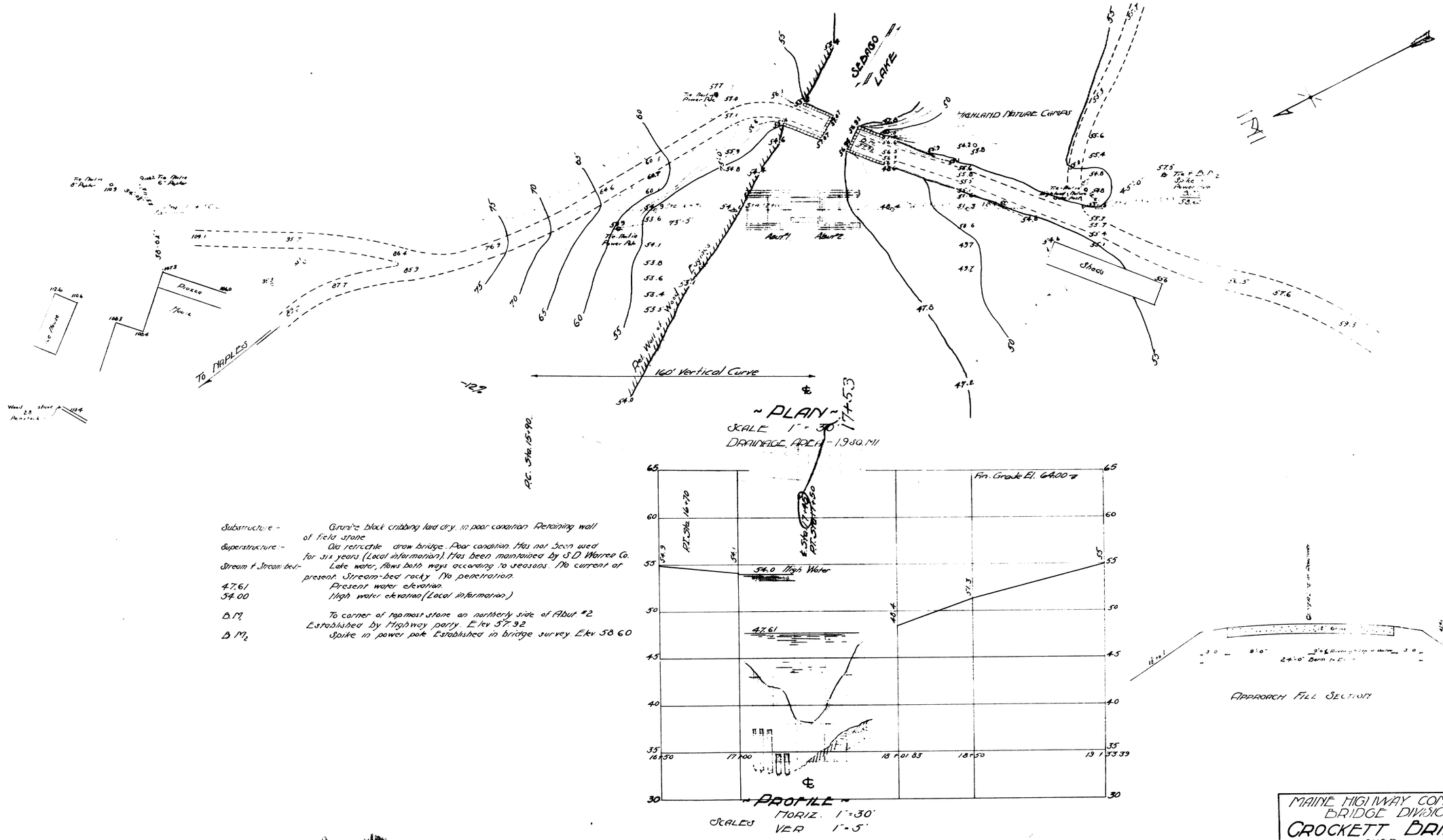


Substructure - Granite block cribbing laid dry, in poor condition. Retaining wall of field stone

Superstructure - Old retractile draw bridge. Poor condition. Has not been used for six years. (Local information). Has been maintained by S.D. Warren Co.

Stream & Stream-bed - Lake water, flows both ways according to seasons. No current at present. Stream-bed rocky. No penetration.

47.61 Present water elevation.

54.00 High water elevation (Local information)

B.M. To corner of topmost stone on northerly side of Abut. #2 Established by Highway party. Elev 57.92

B.M. Spike in power pole Established in bridge survey. Elev 58.60

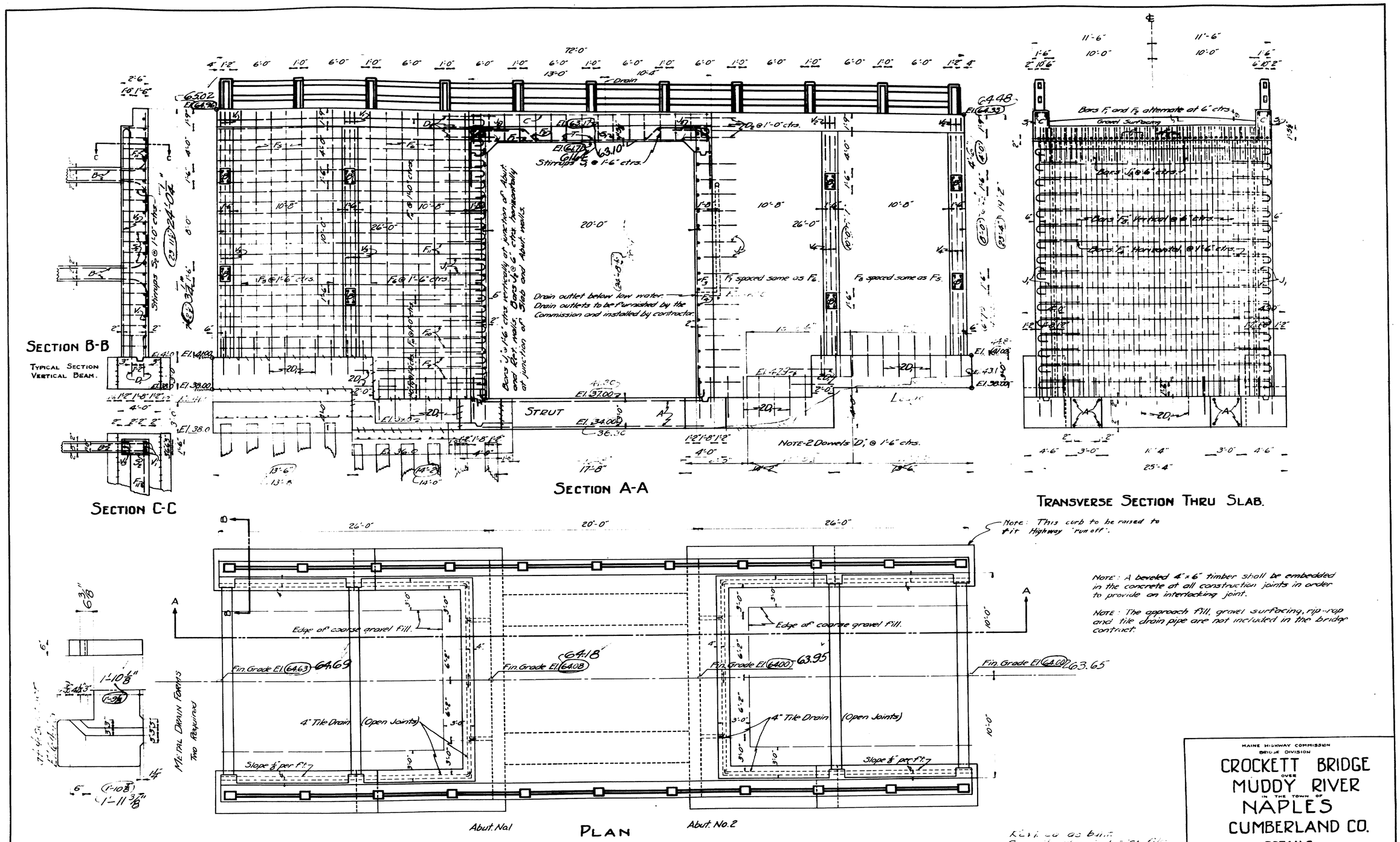
Survey ~ Leighton
Plan ~ Hamilton

Revised as built Feb. 24/30 P.E.W.

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION
CROCKETT BRIDGE
OVER
MUDDY RIVER
IN THE TOWN OF
NAPLES, CUMBERLAND CO.
SURVEY PLAN
SHEET 1 of 3 Augusta, Me. Jan. 7, 1930.

13-198

0 1 2 3 4 5 INCHES



NOTE: A beveled 4" x 6" timber shall be embedded in the concrete at all construction joints in order to provide an interlocking joint.

NOTE: The approach fill, gravel surfacing, rip-rap and tile drain pipe are not included in the bridge contract.

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

CROCKETT BRIDGE OVER MUDDY RIVER IN THE TOWN OF NAPLES CUMBERLAND CO.

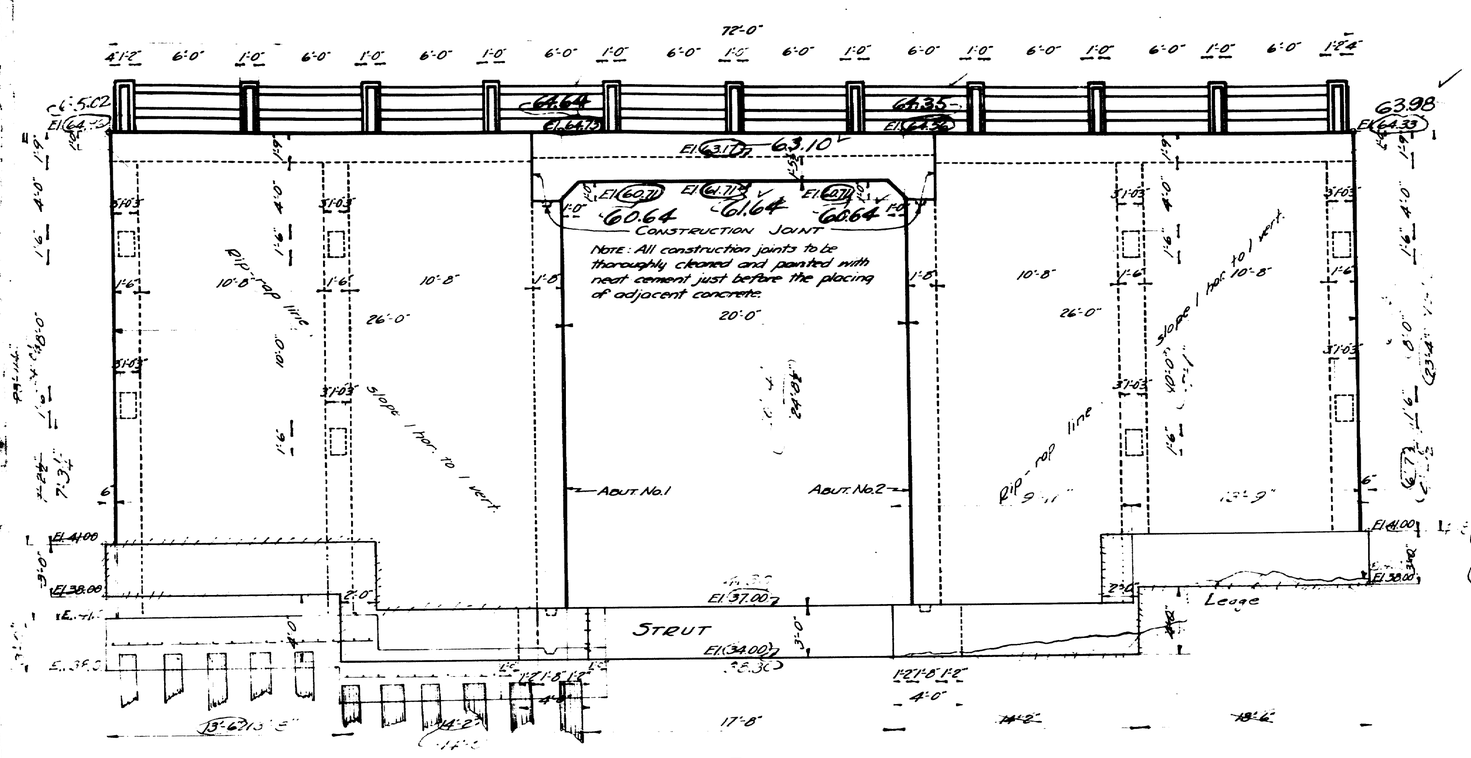
DETAILS

SHEET 2 OF 3. AUGUSTA, ME. APRIL 15, 1930.

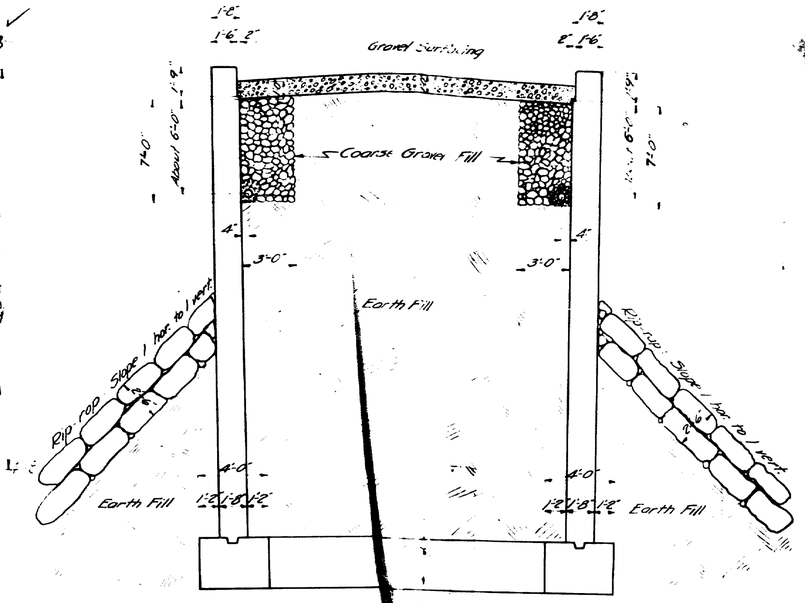
13-199

H.H.S.
B.E.L.

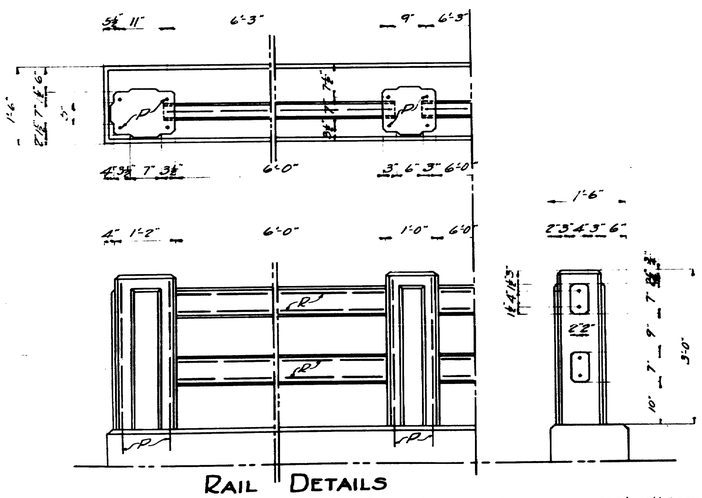
0 1 2 3 4 5 INCHES



UPSTREAM ELEVATION



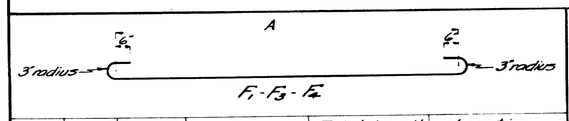
TYPICAL SECTION FAR OF ABUTMENTS.



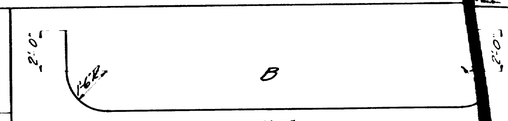
RAIL DETAILS

Note: Curb and slab to be cast together. Steel for posts to be set in curb. Precast rail bars in lengths of 6'-5". Place rail bars in position with ends projecting into post forms 2½". Wrap end 6" with two thicknesses of roofing felt. Fold in ends and when post forms are removed cut away all exposed felt. Round on posts to be ¾" thick. Chamfer all exposed edges of concrete ¾" unless otherwise indicated. Tops of posts to be level. Rail to follow same grade as curb.

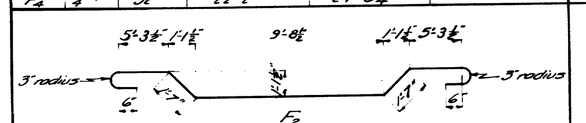
STEEL SCHEDULE



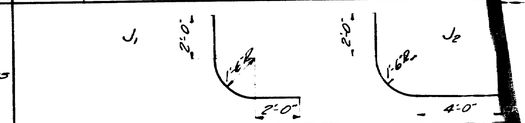
Mark	Size	No. Req.	A	Total Length	Location
F_1	1"ϕ	23	22'-6"	25'-0½"	Slab
F_3	⅞"ϕ	90	25'-4"	27'-10½"	Abut. Walls
F_4	¾"ϕ	32	22'-2"	24'-8½"	" "



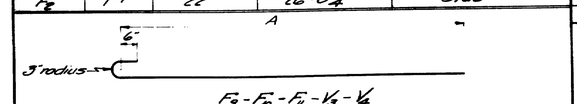
Mark	Size	No. Req.	Total Length	Location
B	1"ϕ	32	28'-4½"	Cross Girders



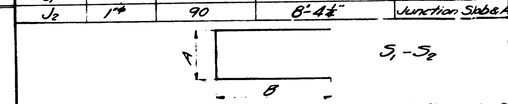
Mark	Size	No. Req.	Total Length	Location
F_2	1"ϕ	22	26'-0½"	Slab



Mark	Size	No. Req.	Total Length	Location
J_1	1"ϕ	60	6'-4½"	Junction Abut. & Ret.
J_2	1"ϕ	90	8'-4½"	Junction Slab & A



Mark	Size	No. Req.	A	Total Length	Location
F_9	⅞"ϕ	16	10'-5"	11'-8½"	Ret. Walls
F_{10}	⅞"ϕ	20	25'-5"	26'-8½"	" "
F_{11}	¾"ϕ	72	25'-5"	26'-8½"	" "
V_3	⅞"ϕ	12	21'-8"	22'-11½"	Vert. Beam
V_4	⅞"ϕ	12	21'-2"	22'-5½"	" "



Mark	Size	No. Req.	A	B	Total Length	Location
S_1	⅞"ϕ	30	1'-3"	2'-8"	6'-7"	Curbs.
S_2	⅞"ϕ	172	1'-3"	2'-3"	5'-9"	Vert. Bars

Revised as built. See plan in letter of Feb. 24, 32 P.E.W.

STRAIGHT BARS.

Mark	Size	No. Req.	Length	Location
T	½"ϕ	11	22'-8"	Slab
F_8	⅞"ϕ	16	23'-8"	Ret. Walls (Abut. 1)
F_6	⅞"ϕ	14	27'-6½"	" " " "
F_7	⅞"ϕ	14	27'-3½"	" " " 2
F_{12}	⅞"ϕ	16	23'-2"	" " " "
V_1	⅞"ϕ	12	23'-8"	Vert. Beams (Abut. 1)
V_2	⅞"ϕ	12	23'-2"	" " " 2
A	¾"ϕ	8	20'-8"	Struts
C	¾"ϕ	4	23'-2"	Curbs
P	¾"ϕ	88	4'-0"	Posts
R	⅝"ϕ	80	6'-4"	Rail
D_1	¾"ϕ	212	4'-0"	Footings.
D_2	¾"ϕ	12	5'-0"	Curb.

NOTE:
All steel to be plain bars, structural grade.
All dimensions to center line of bars.

MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

CROCKETT BRIDGE
OVER
MUDDY RIVER
IN THE TOWN OF
NAPLES
CUMBERLAND CO.
DETAILS

Sheet 3 of 3. AUGUSTA, ME. APRIL 12, 1930

13-200

0 1 2 3 4 5 INCHES