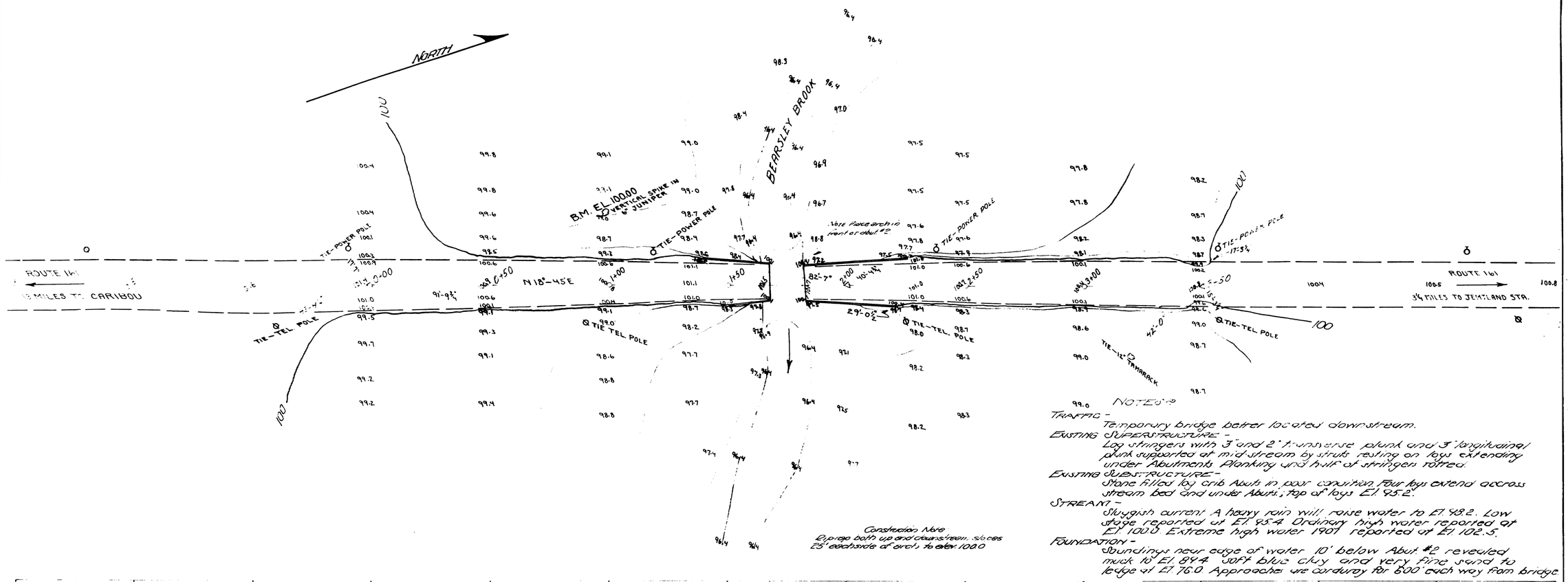


NOTES:

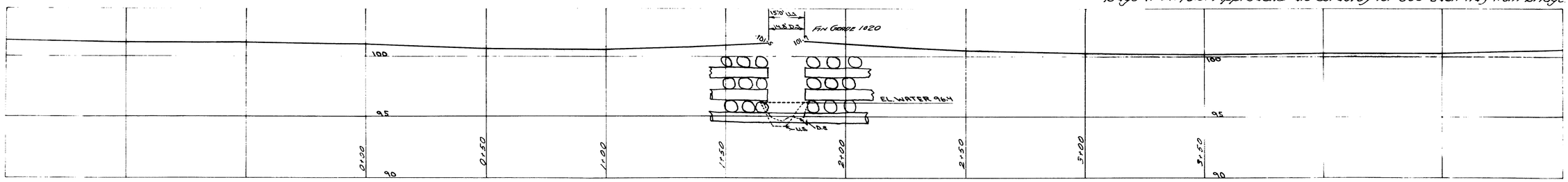
TRAFFIC –
Temporary bridge better located downstream.

EXISTING SUPERSTRUCTURE –
Log stringers with 3" and 2" transverse plank and 3" longitudinal plank supported at mid-stream by struts resting on logs extending under Abutments. Planking and half of stringers rotted.

EXISTING SUBSTRUCTURE –
Stone filled log crib Abuts in poor condition. Four logs extend across stream bed and under Abuts.; top of logs El. 95.2.

STREAM –
Sluggish current. A heavy rain will raise water to El. 98.2. Low stage reported at El. 95.4. Ordinary high water reported at El. 100.0. Extreme high water 1907 reported at El. 102.5.

FOUNDATION –
Soundings near edge of water 10' below Abut #2 revealed muck to El. 89.4. Soft blue clay and very fine sand to ledge at El. 76.0. Approaches are cordurey for 600' each way from bridge.



PROFILE

SCALES — HORIZONTAL 1" = 20'
VERTICAL 1" = 4'

TOWN 02-51
BRIDGE 3110

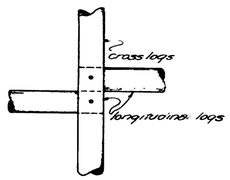
MAINE HIGHWAY COMMISSION
BRIDGE DIVISION

BEARSLEY BROOK BRIDGE
OVER
BEARSLEY BROOK
IN THE TOWN OF
NEW SWEDEN
AROOSTOOK COUNTY
SURVEY PLAN

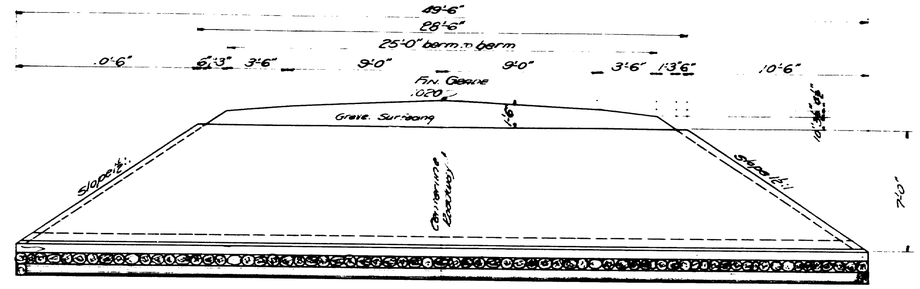
SHEET 1 OF 2 AUGUSTA, ME. OCT. 1933

21-99

0 1 2 3 4 5 INCHES



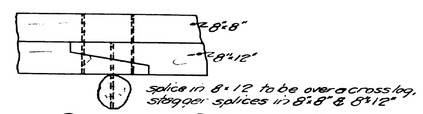
DETAIL OF SPLICE FOR LONGITUDINAL LOGS



Note: fill area up to top of 8"x12" with coarse gravel & stone.

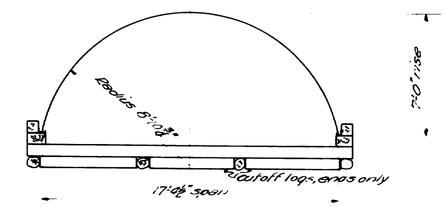
CROSS SECTION APPROACH
LONGITUDINAL SECTION ARCH

All squared timber to be creosoted (brush treated)

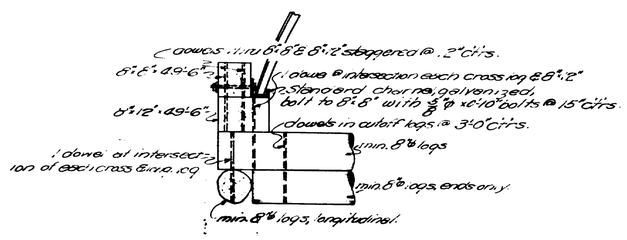


DETAIL OF SPLICE FOR 8x8 OR 8x12

All dowels to be ¾"ϕ



CROSS SECTION ARCH & GRILLAGE



PART CROSS SECTION

DETAILS, 6 PLATE #1 GAGE, CORRUGATED METAL PLATE ARCH
SPAN 17'-4½" RISE 7'-0"

Town 02-51
Bridge 3110

State Highway Commission
Bridge Division

BEARSLEY BROOK BRIDGE
over
BEARSLEY BROOK
in the town of
NEW SWEDEN-AROOSTOOK CO.
DETAILS

Sheet 2 of 2 Augusta, Me. July 1936

21-100

0 1 2 3 4 5 INCHES