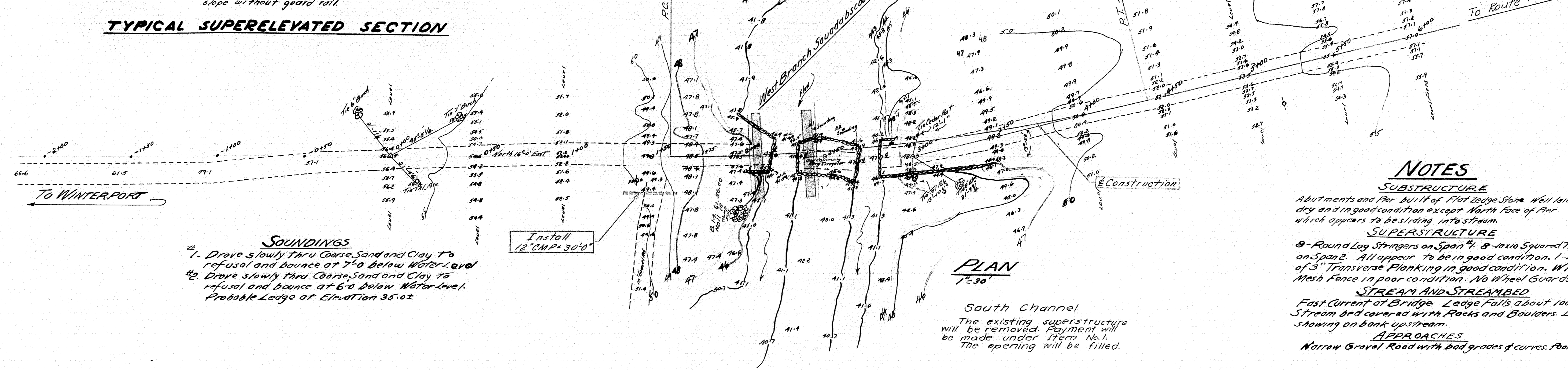


TYPICAL SUPERELEVATED SECTION

NOTE: When dimension "A" is less than 4'0" use 3:1 slope without guard rail.

$D = 5'$
 $I = 12^{\circ} 52'$
 $R = 1146.28'$
 $T = 139.35'$
 $L = 277.33'$



PLAN
 $1" = 30'$

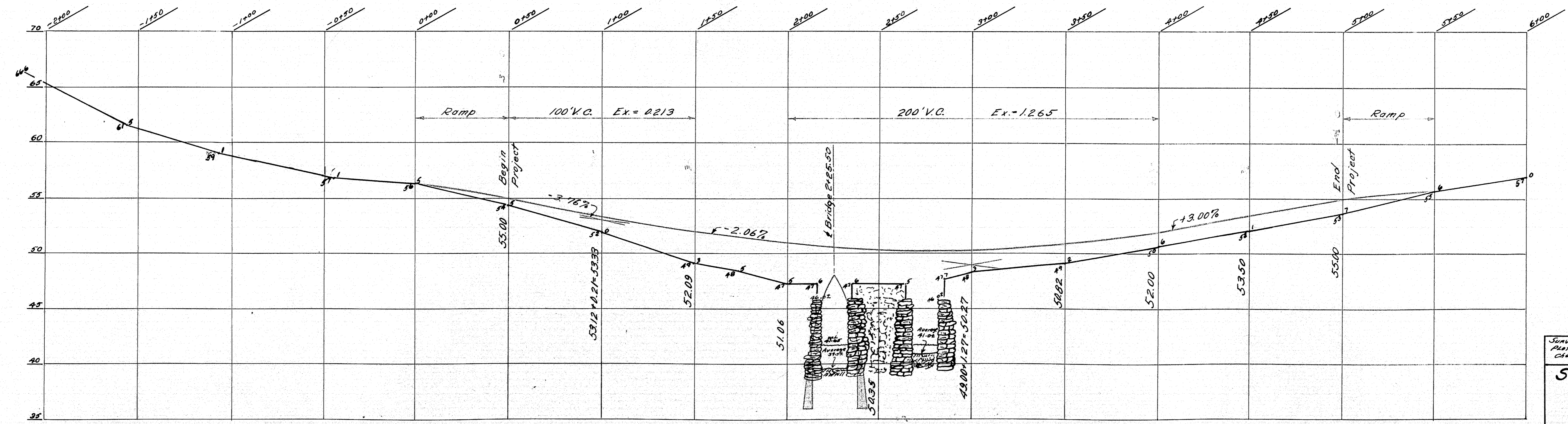
South Channel
 The existing superstructure will be removed. Payment will be made under Item No. 1. The opening will be filled.

NOTES

- SUBSTRUCTURE**
 Abutments and Pier built of Flat ledge Stone well laid up dry and in good condition except North face of Pier which appears to be sliding into stream.
- SUPERSTRUCTURE**
 8-Round Log Stringers on Span #1. 8-10x10 Squared Timbers on Span #2. All appear to be in good condition. 1-layer of 3" Transverse Planking in good condition. Wire Mesh fence in poor condition. No Wheel Guards.
- STREAM AND STREAMBED**
 Fast Current of Bridge. Ledge Falls about 100' Upstream. Stream bed covered with Rocks and Boulders. Ledge showing on bank upstream.
- APPROACHES**
 Narrow Gravel Road with bad grades & curves. Poor Condition.

- SOUNDINGS**
1. Drove slowly thru Coarse Sand and Clay to refusal and bounce at 7'0" below Water Level.
 2. Drove slowly thru Coarse Sand and Clay to refusal and bounce at 6'0" below Water Level. Probable Ledge at Elevation 35.0±.

Install 12" CMP @ 30'0"

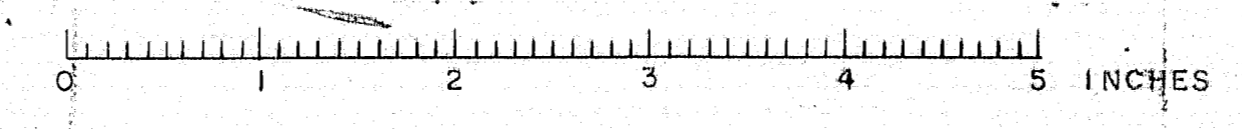


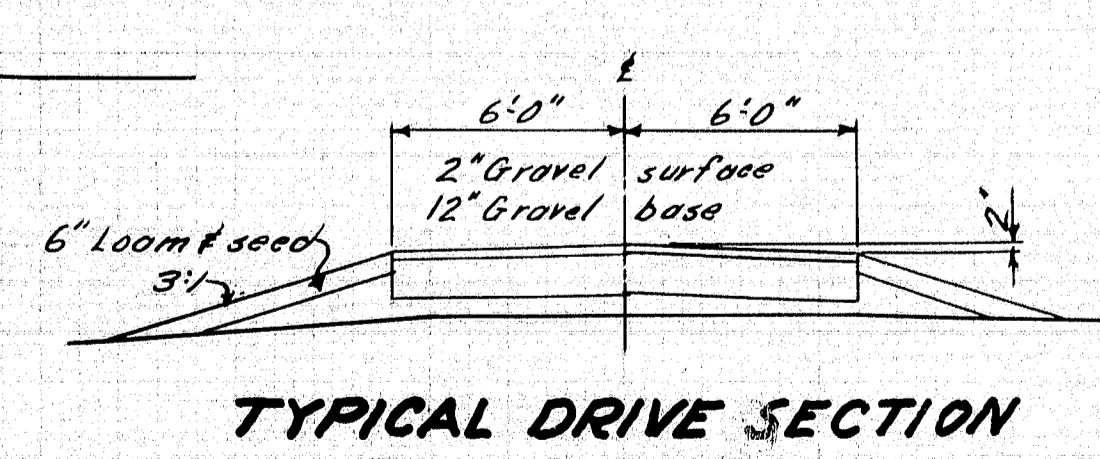
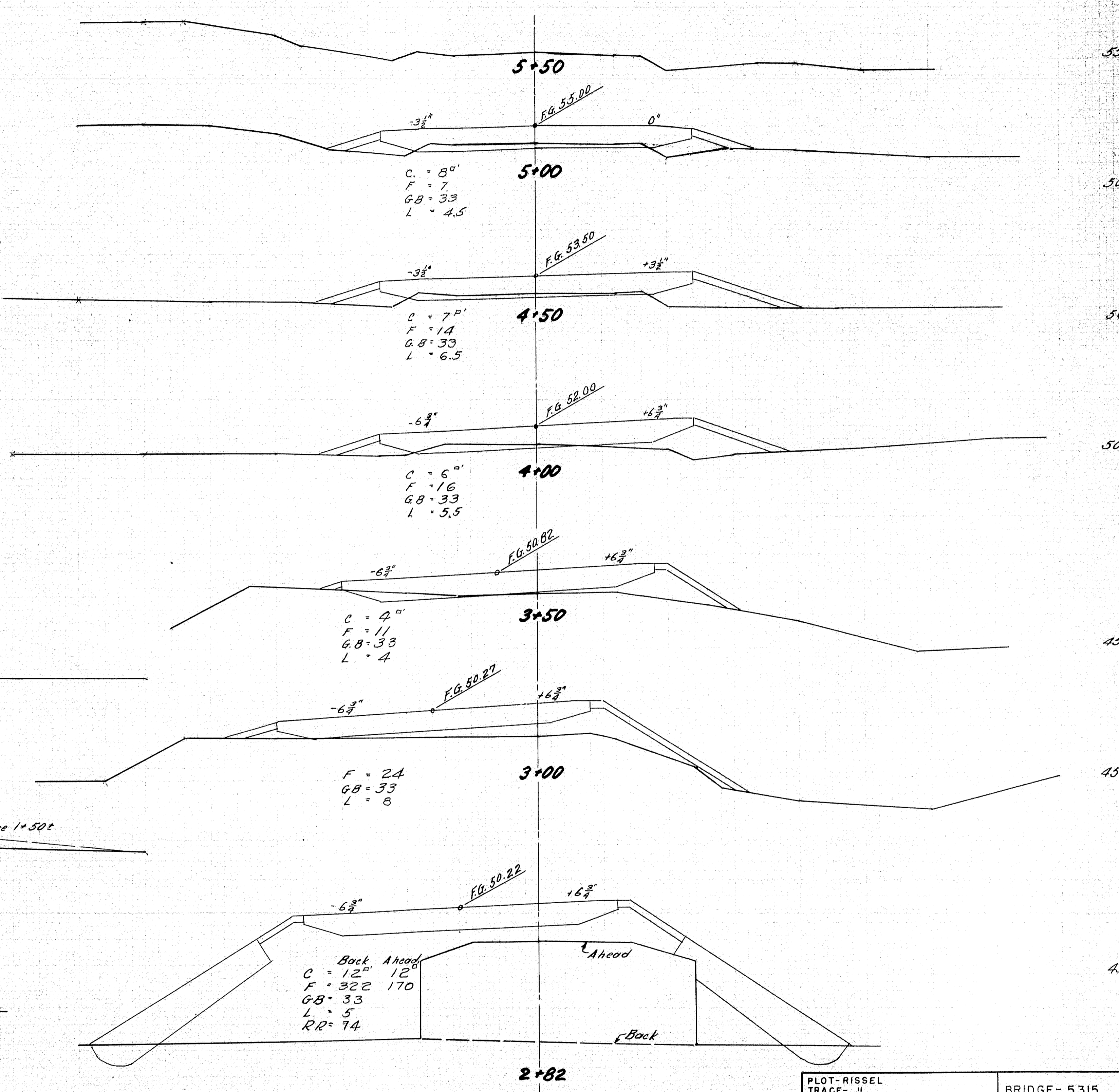
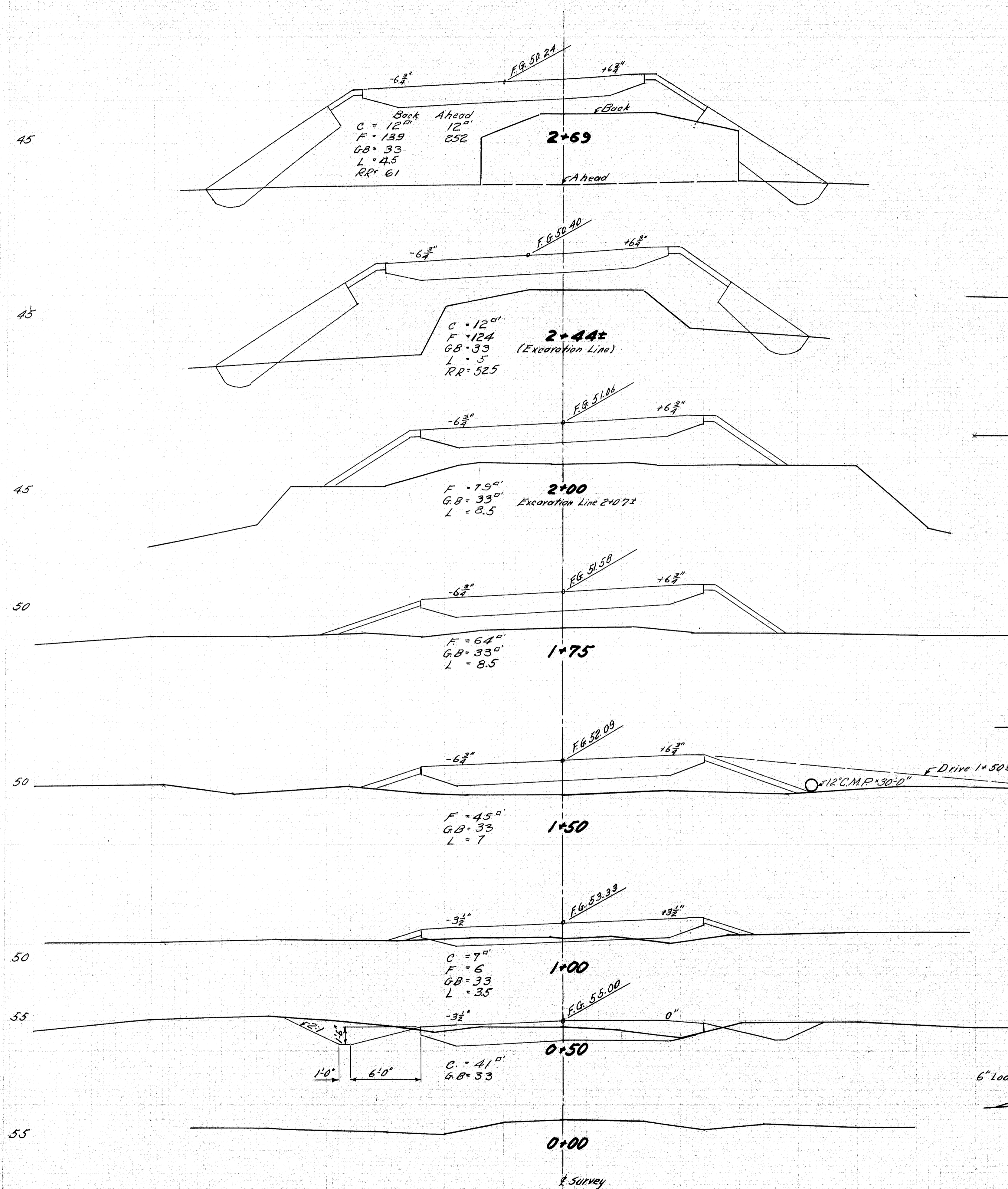
PROFILE
 HORIZONTAL $1" = 30'$ VERTICAL $1" = 5'$

Survey - FENNELL
 Plat. Trace - BURKER
 Check - HARRIS

BRIDGE 5315

STATE HIGHWAY COMMISSION
 BRIDGE DIVISION
TWIN BRIDGES
 OVER
 WEST SQUADABSCOOK BRANCH
 IN THE TOWN OF
HAMPDEN
 PENOBSCOT COUNTY
 SURVEY
 SHEET 1 of 3 AUGUSTA, ME. FEB. 1950.



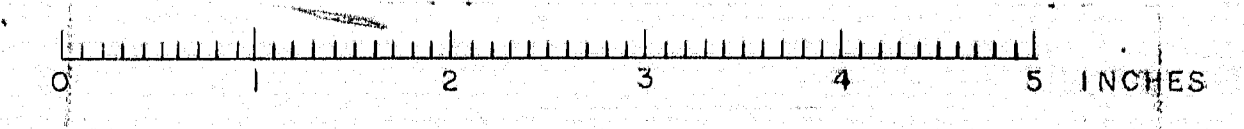


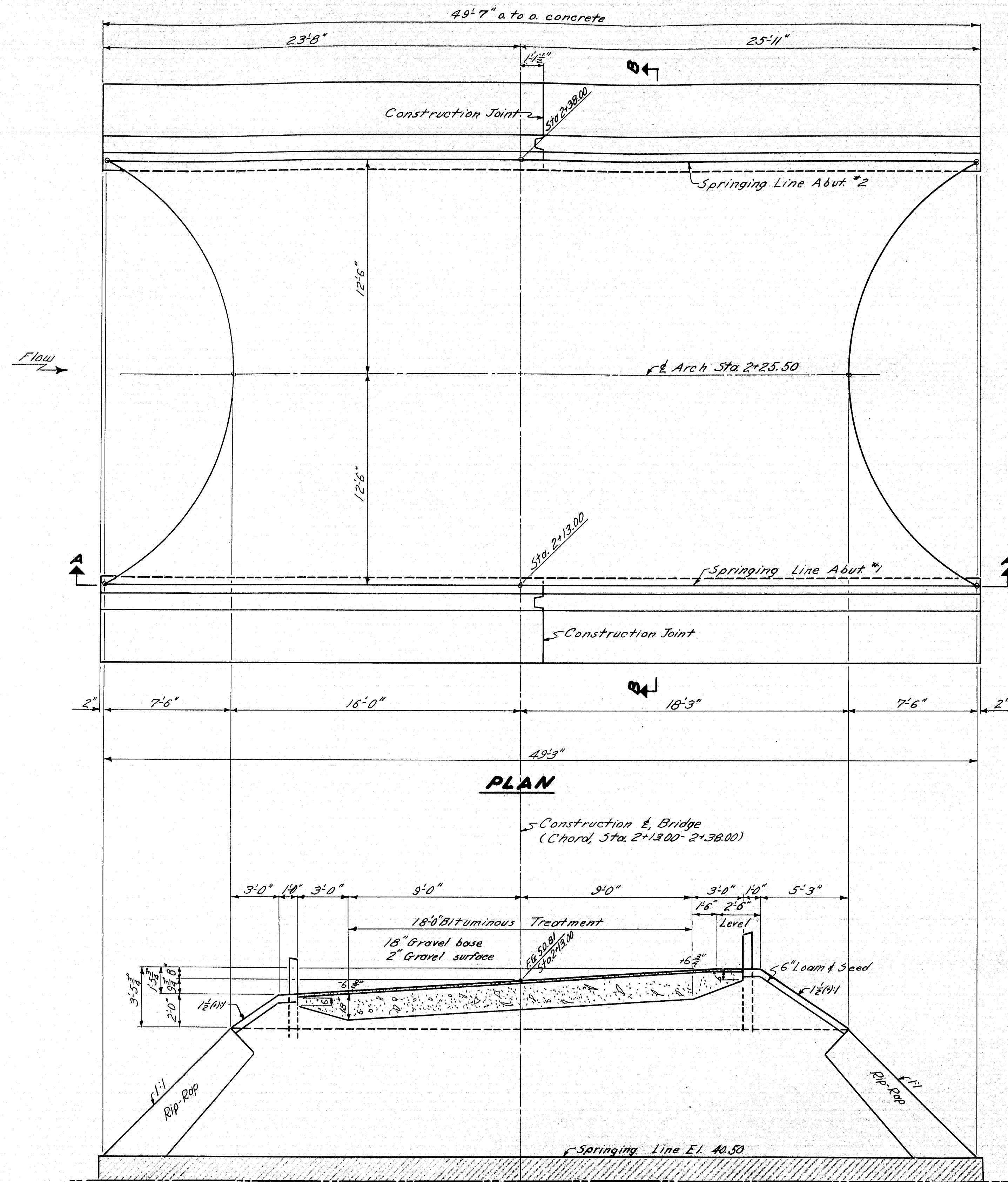
PLOT-RISSEL
TRACE-11
CHECK-HARRIS

BRIDGE-5315

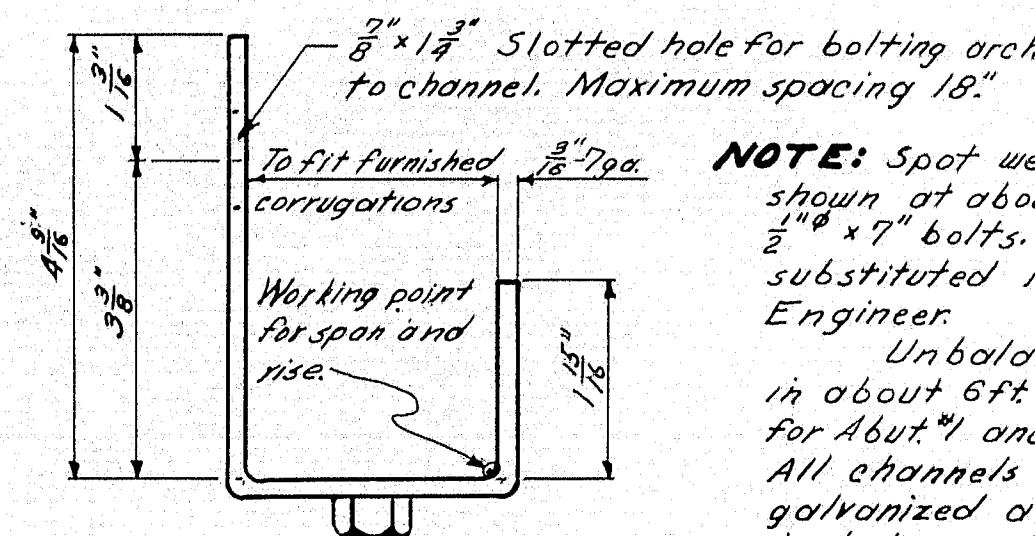
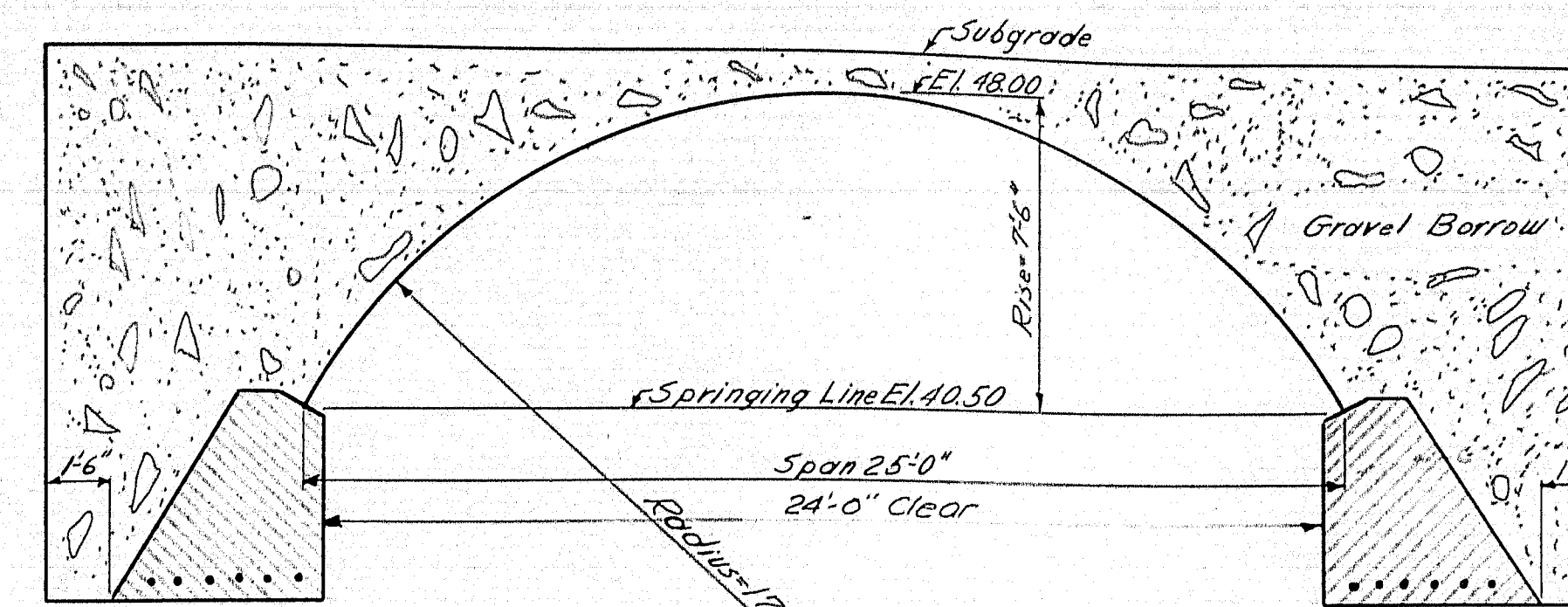
STATE HIGHWAY COMMISSION
BRIDGE DIVISION
TWIN BRIDGES
OVER THE WEST BRANCH OF
SOUADABSCOOK STREAM
IN THE TOWN OF
HAMPDEN
PENOBSCOT COUNTY
CROSS-SECTIONS

SHEET 2 OF 3 AUGUSTA, MAINE APRIL, 1950





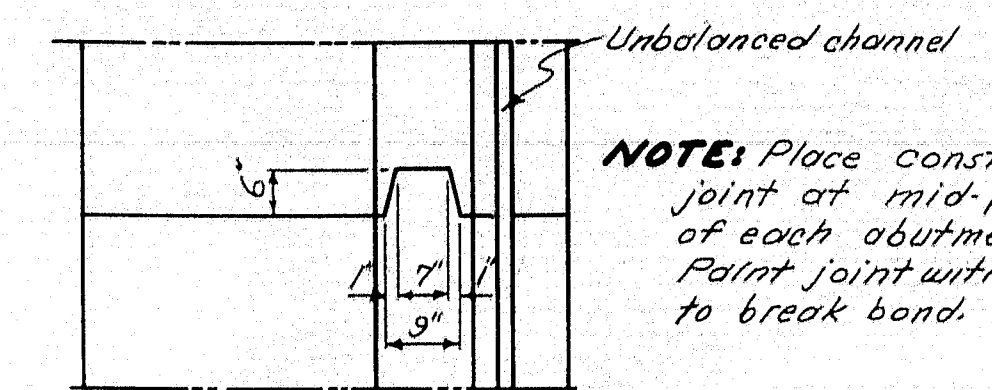
SECTION A-A



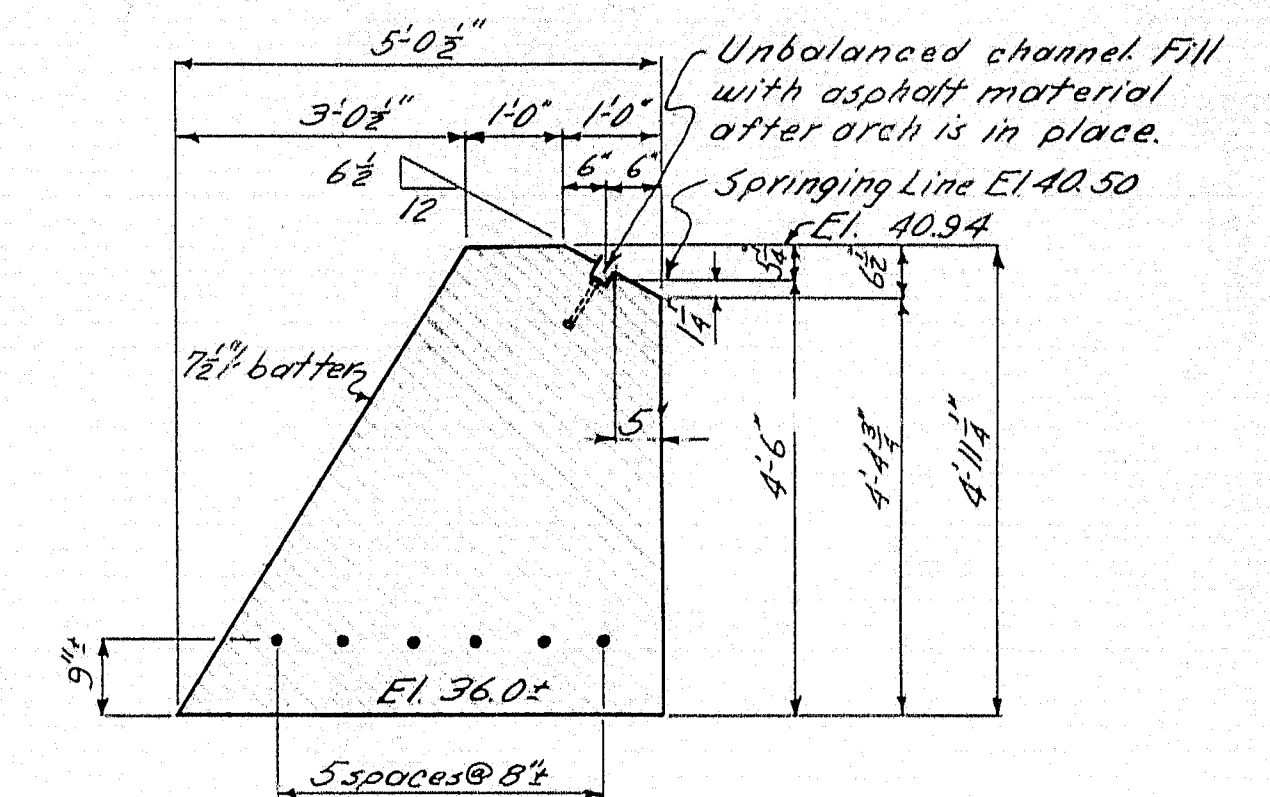
UNBALANCED CHANNEL

NOTE: Spot weld 1/2" nuts to channel as shown at about 3 ft centers, and furnish 3/8" x 7" bolts. Other anchor lugs may be substituted if satisfactory to the Engineer.

Unbalanced channels to be furnished in about 6 ft lengths to make up 49'-7" for Abut #1 and Abut #2 - Total 99'-2". All channels shall be hot dipped galvanized after fabrication including nuts and lug bolts.



CONSTRUCTION JOINT



ABUTMENT SECTION

MATERIAL REQUIRED

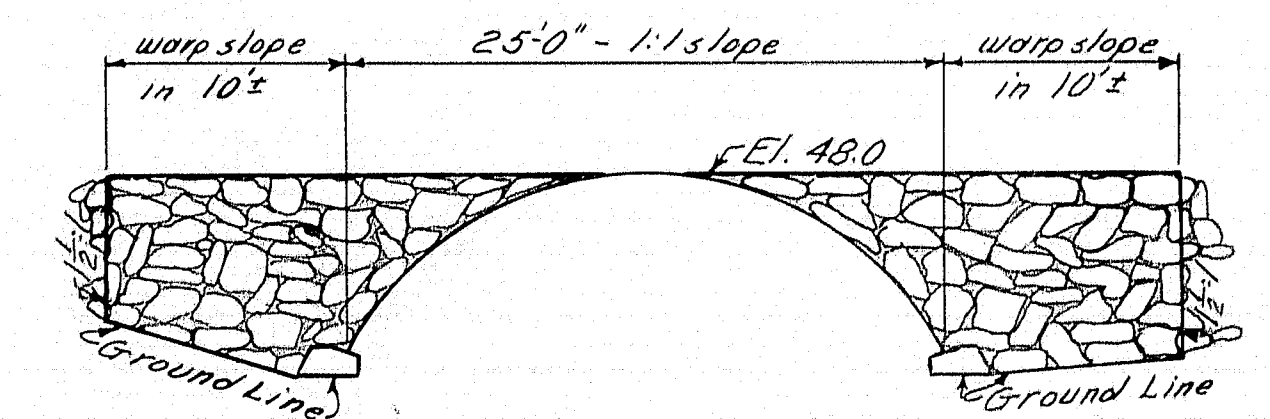
One Sectional Plate Arch as shown with a minimum section modulus of 0.1280 in³/in. of horizontal projection and a minimum gage of 1/4". Lug bolts and unbalanced channels as shown. 24 bars reinforcing steel 3/8" x 24" x 3".

The span and rise of the arch may be varied slightly if approved by the Engineer. If any changes are made the Engineer shall be given the new dimensions.

The length of Arch to be paid for is the average of the crown length along the centerline and the springing line length. There shall be a minimum of four (4) 3/8" bolts per foot of longitudinal seam.

SPECIFICATIONS

A.A.S.H.O. Standard Specifications for Highway Bridges-1949.
Concrete Classification "X".



RIP-RAP DETAIL U.S. & D.S.

DESIGN - RISSEL	BRIDGE - 5315
TRACE -	
CHECK - HARRIS	
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
TWIN BRIDGES	
OVER THE WEST BRANCH OF SOUADABSCOOK STREAM	
IN THE TOWN OF HAMPDEN PENOBSCOT COUNTY,	
BRIDGE DETAILS	
SHEET 3 OF 3	AUGUSTA, MAINE APRIL, 1950

