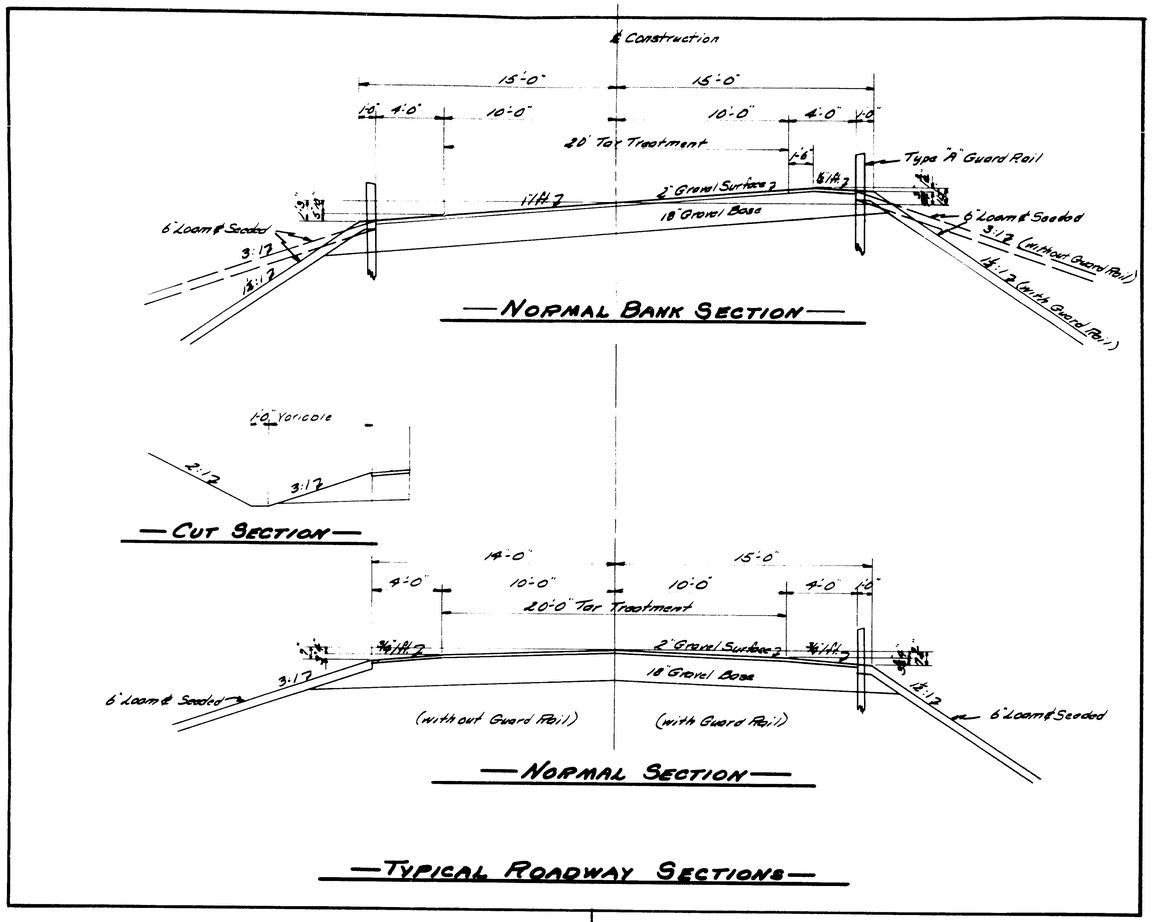
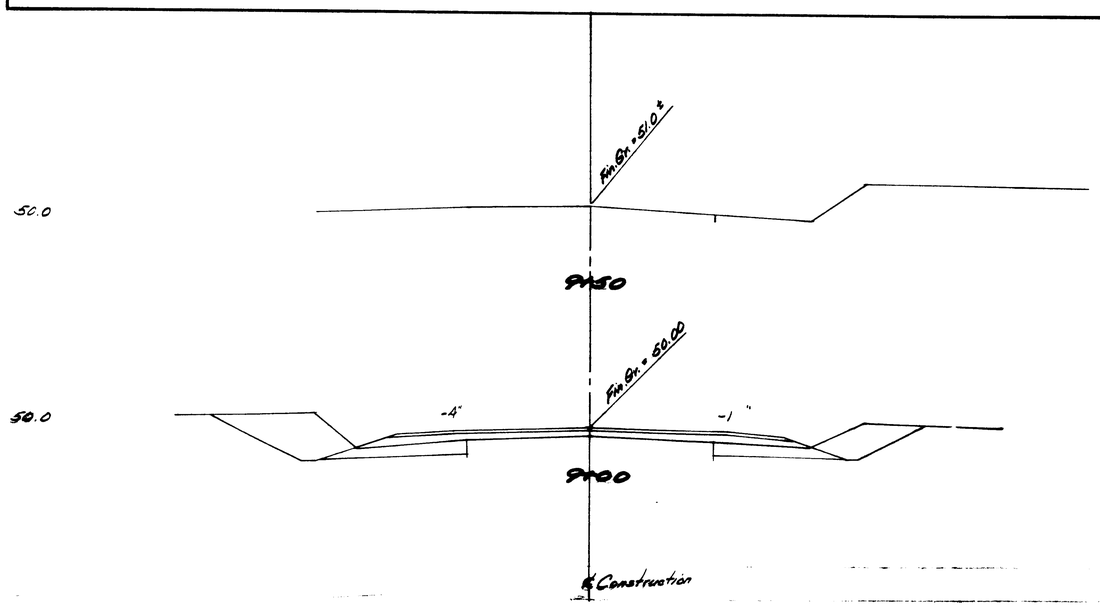




PLOT & TRACE— BACHELDER CHECK— W. Q. V.	BRIDGE— 2775

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

SMITH BRIDGE
OVER
WORKS BROOK
IN THE TOWN OF
MONROE
WALDO COUNTY

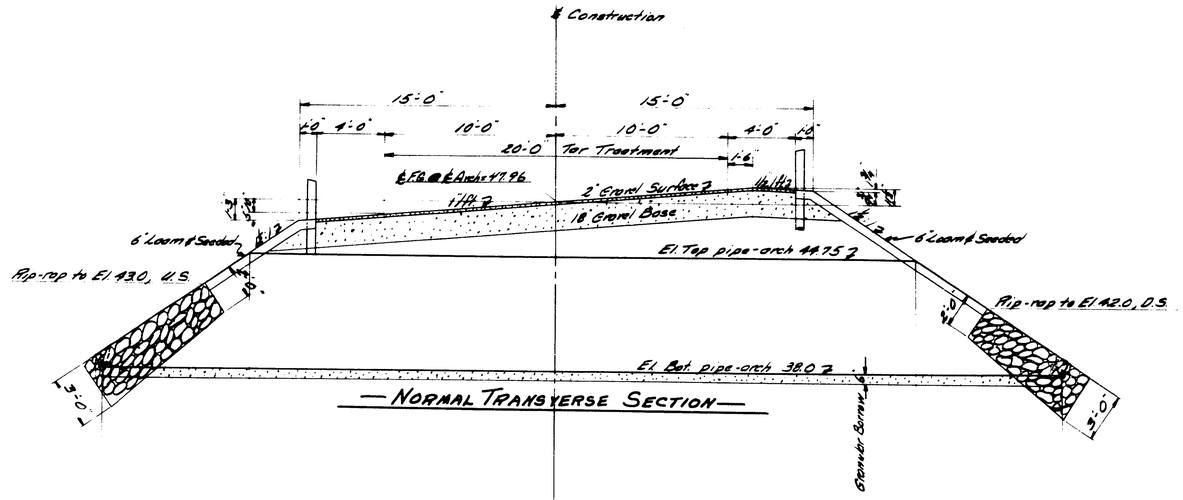
CROSS- SECTIONS

SHEET 3 OF 4 AUGUSTA, MAINE JULY 1955

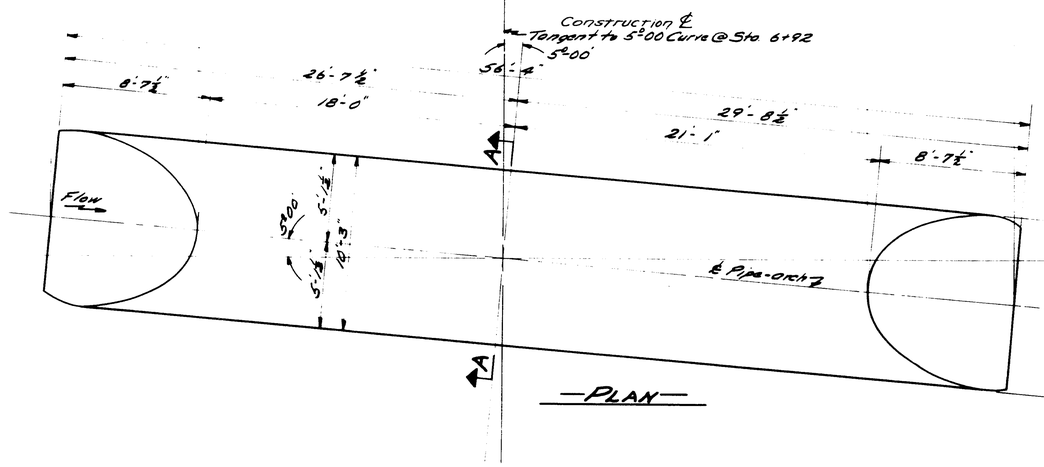
64-101

0 1 2 3 4 5 INCHES

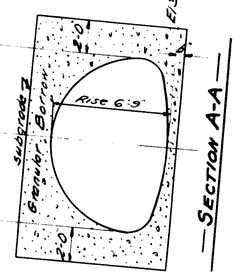
B P R DIV NO	STATE	PROJECT NUMBER	SHEET NO	TOTAL SHEETS
1	MAINE			



—NORMAL TRANSVERSE SECTION—



—PLAN—



—SECTION A-A—

—MATERIALS REQUIRED—

One Structural Plate Pipe-Arch with Span of 10'-3" & Rise of 6'-9" (length along ℄ @ bottom of pipe-arch = 56'-4" (also length for payment).
Gage #8, all plates.
Ends of pipe-arch to be cut on 1½:1 slope, normal to Construction ℄.
Loading = H 20-44

DESIGN BACHELDER TRACE " CHECK J.W.G. J.	BRIDGE NO. 2775 SURVEY - PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

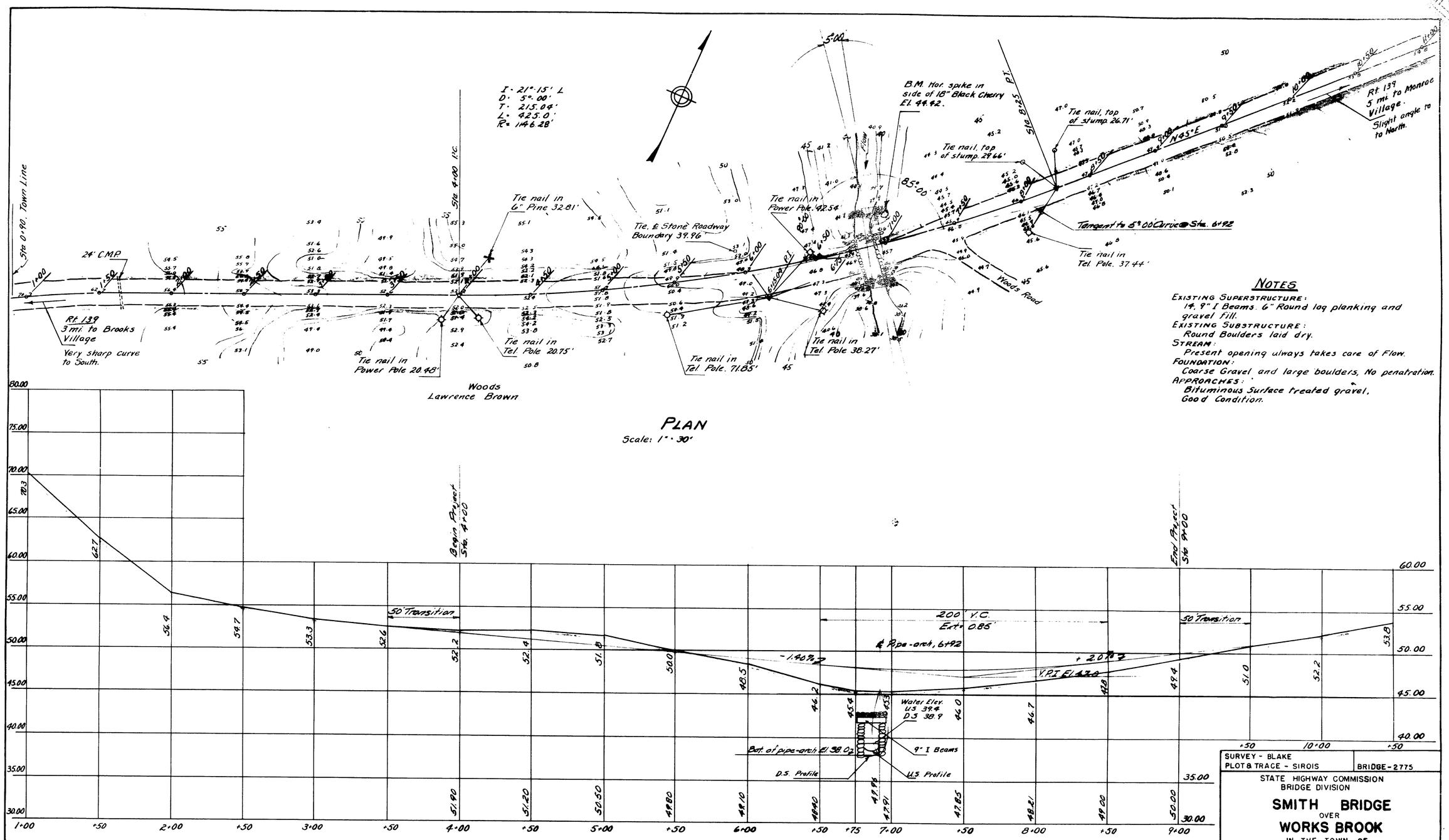
SMITH BRIDGE
OVER
WORKS BROOK
IN THE TOWN OF
MONROE
WALDO COUNTY

PLAN - STRUCTURAL PLATE PIPE-ARCH

SHEET 4 OF 4 AUGUSTA, MAINE JULY 1955

64-182

0 1 2 3 4 5 INCHES



PLAN

Scale: 1" = 30'

NOTES

EXISTING SUPERSTRUCTURE:
14, 9" I Beams. 6" Round log planking and gravel fill.

EXISTING SUBSTRUCTURE:
Round Boulders laid dry.

STREAM:
Present opening always takes care of Flow.

FOUNDATION:
Coarse Gravel and large boulders, No penetration.

APPROACHES:
Bituminous Surface treated gravel, Good Condition.

PROFILE ALONG SURVEY LINE

Scale: Hor. 1" = 30'
Vert. 1" = 5'

SURVEY - BLAKE
PLOT & TRACE - SIROIS
BRIDGE - 2775

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

SMITH BRIDGE
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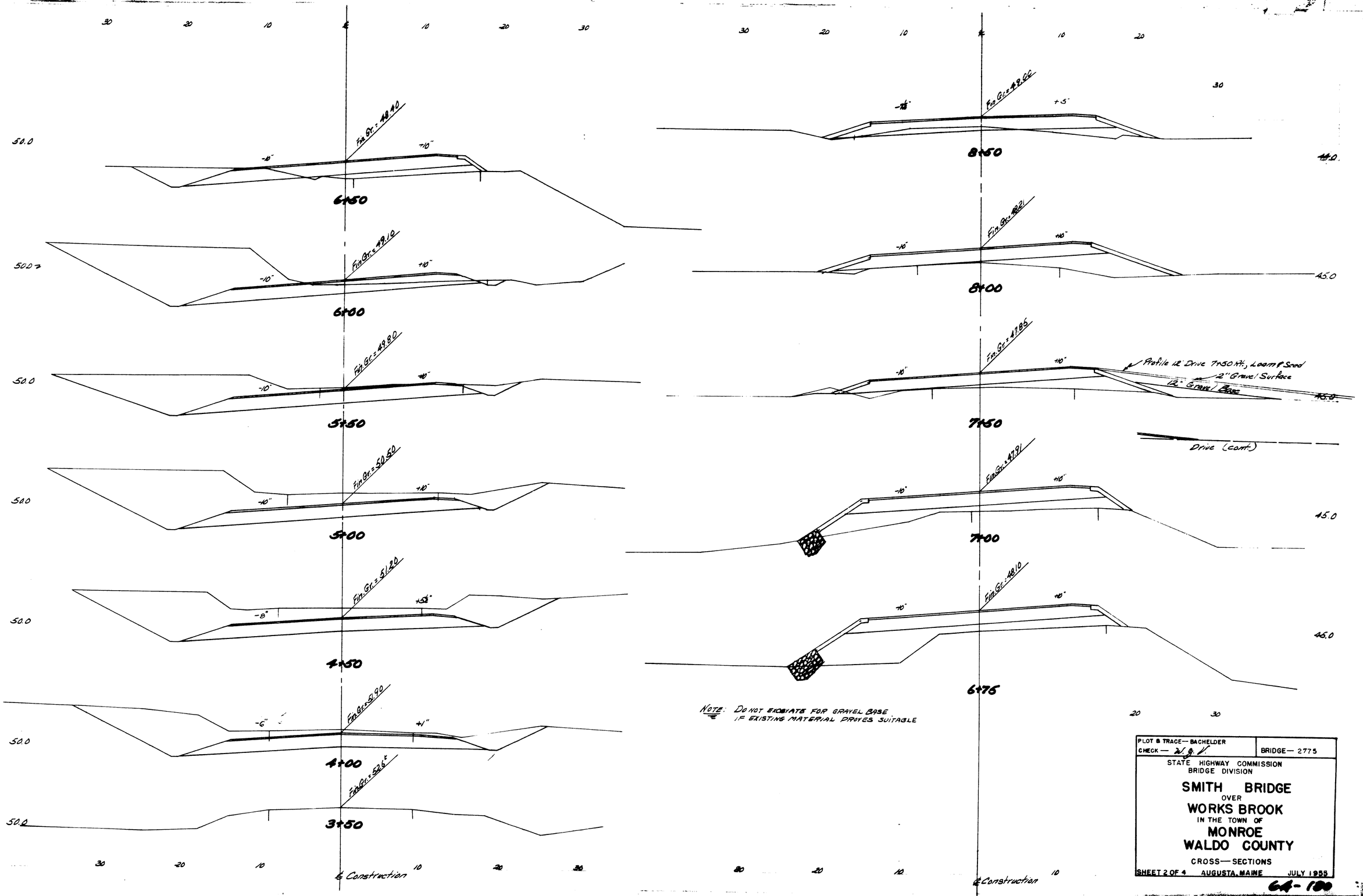
SURVEY

SHEET 1 OF 4 AUGUSTA, MAINE APRIL 1954

64-179

0 1 2 3 4 5 INCHES



PLOT & TRACE — BACHELDER CHECK — W.G.V.	BRIDGE — 2775

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

SMITH BRIDGE
OVER
WORKS BROOK
IN THE TOWN OF
MONROE
WALDO COUNTY

CROSS — SECTIONS

SHEET 2 OF 4 AUGUSTA, MAINE JULY 1955

64-100

0 1 2 3 4 5 INCHES