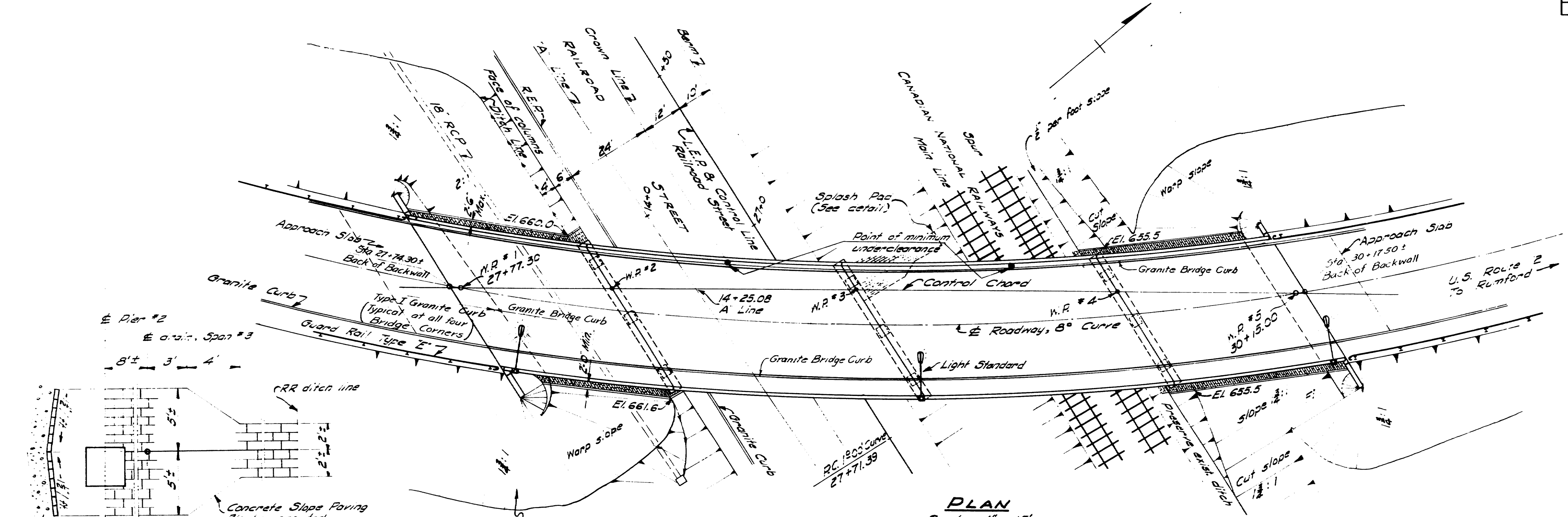
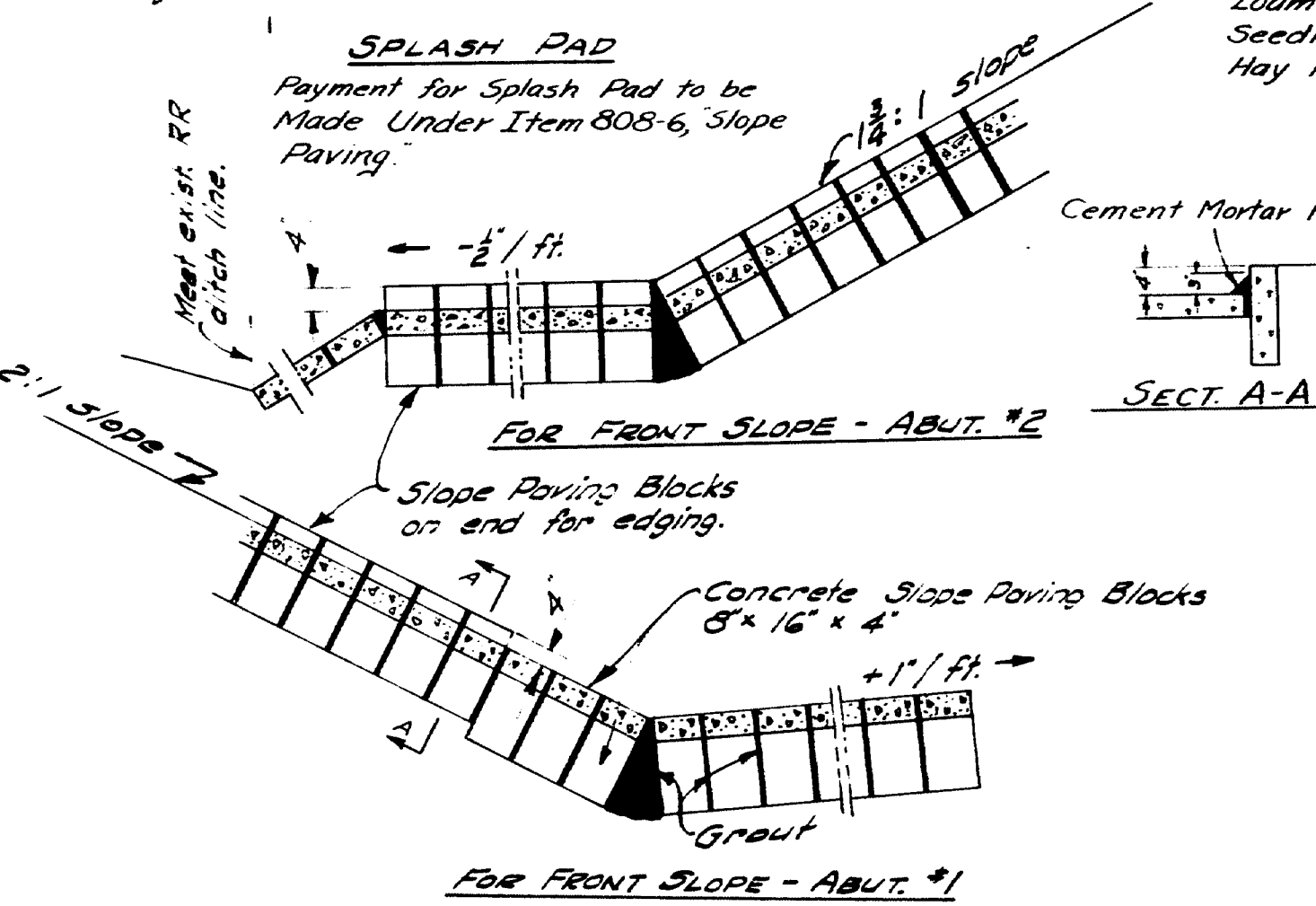




PLAN
Scale - 1" = 15'

**ESTIMATED QUANTITIES
BRIDGE ONLY**

Clearing	0.05 Acres	Concrete Fill	25 cy.
Earth Excavation	360 cy.	Structural Steel, Fabricated & Delivered	273,800 lbs.
Structural Earth Excavation, Piers	300 cy.	Structural Steel, Erection	273,800 lbs.
Structural Rock Excavation, Piers	10 cy.	Structural Steel, Field Painting	273,800 lbs.
Granular Borrow	2240 cy.	Bronze or Copper-Alloy Bearing & Expansion	
Gravel Base Course (In Place Measure)	140 cy.	Plates, Delivered	125 lbs.
Bridge Drainage	Lump Sum	Bronze or Copper-Alloy Bearing & Expansion	
Lighting System	Lump Sum	Plates, Placing	125 lbs.
Bituminous Concrete Surface Course, Type "B"	90 Tons	Reinforcing Steel, Delivered	110,450 lbs.
Portland Cement Concrete Abutments & Retaining Walls	142 c.y.	Reinforcing Steel, Placing	110,450 lbs.
Portland Cement Concrete Piers	185 c.y.	Shear Connectors	Lump Sum
Portland Cement Concrete Roadway & Sidewalk	305 cy.	Steel H-Beam Piles, 42 lbs./ft.	850 lin. ft.
Slabs on Steel Bridges	980 bbls.	Aluminum Rail	465 lin. ft.
Portland Cement		Membrane Waterproofing	810 sq. yd.
		Slope Paving	550 sq. yd.
		Granite Bridge Curb	485 lin. ft.
		Removal of Existing Structure (Property of Contractor)	Lump Sum



SLOPE PAVING DETAILS

DESIGN SPECIFICATIONS

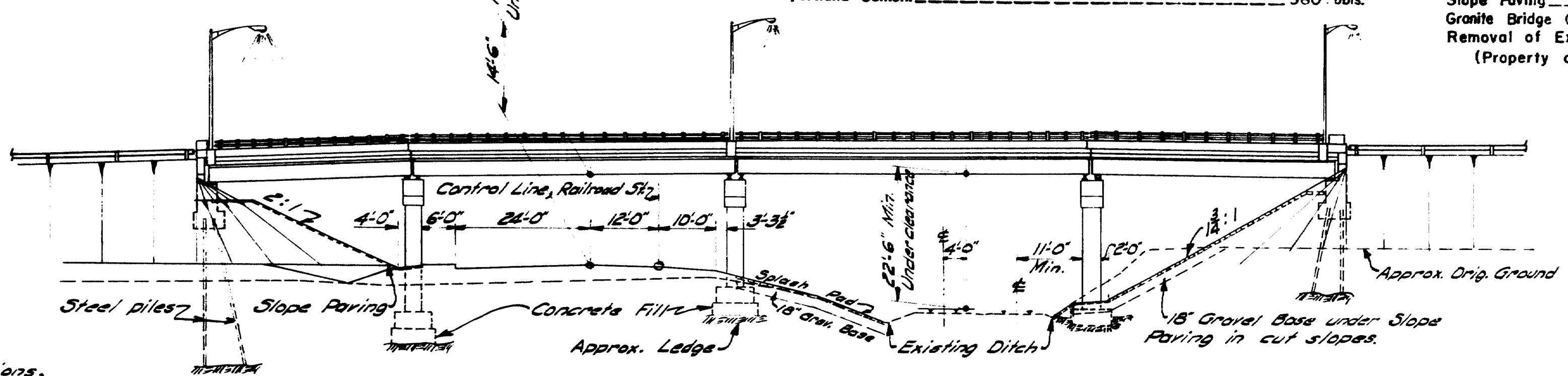
A.A.S.H.O. Standard Specifications for Highway Bridges 1957
Loading H20-516-44, 15' 18,000 psi. $f_c = 1200$ p.s.i. $n = 10$.

CONTRACT SPECIFICATIONS

State of Maine, State Highway Commission Standard Specifications, Highways and Bridges, Revision of January 1956.

CONCRETE CLASSIFICATION

Concrete Fill	Class "B"
All other concrete	Class "A"



EAST ELEVATION
Normal to Railroad Street

Payment for excavation for gravel base under Slope Paving will be made under Item 203-9, Earth Excavation.

Stones not to exceed 6" in area where piles are to be driven. (both abutments)

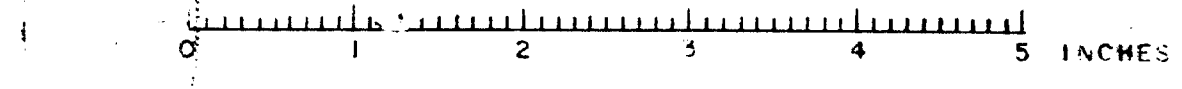
DESIGN - R. A. S.
TRACE - G. W. C.
CHECK - J. H. C.

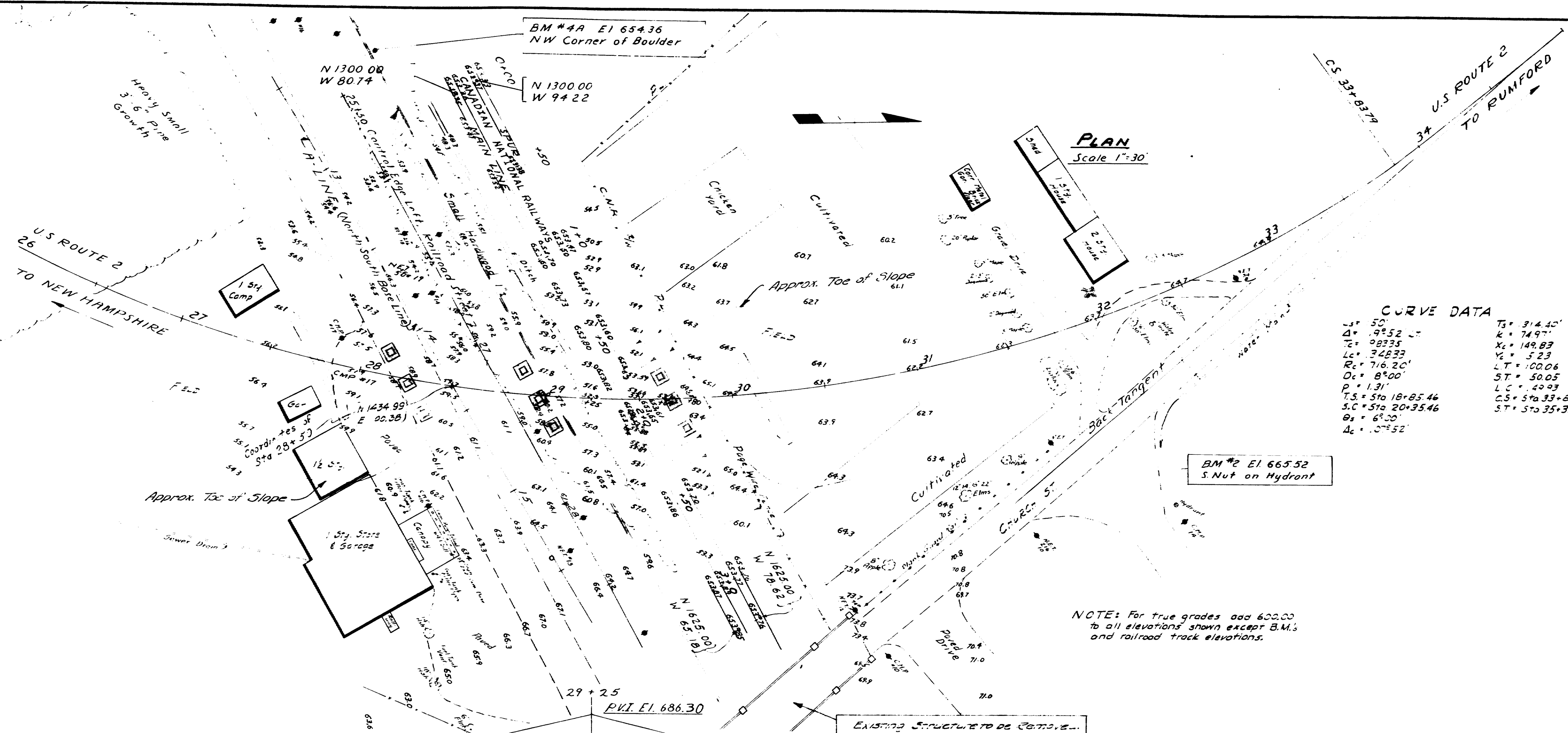
BRIDGE NO. SURVEY - PLOT -

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

CANADIAN NATIONAL RAILWAYS CROSSING
OVER
CANADIAN NATIONAL RAILWAYS TRACKS
AND
RAILROAD STREET
IN THE TOWN OF
BETHEL, OXFORD CO.
GENERAL PLAN & ELEVATION
SHEET 1 OF 19 AUGUSTA, MAINE NOV. 1959

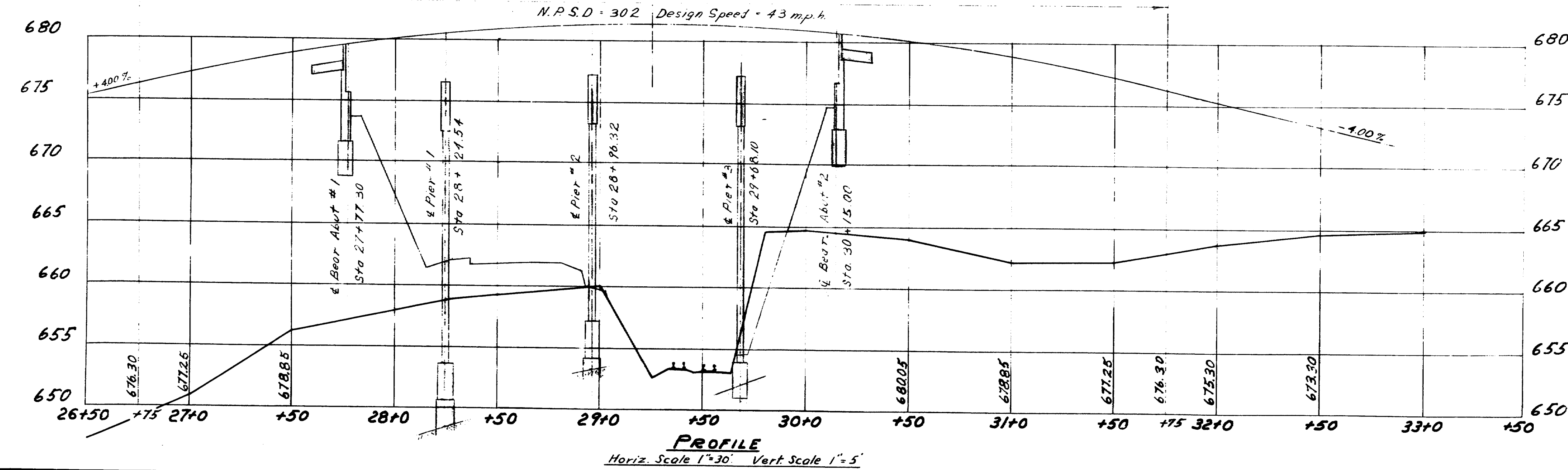
M-1737





CURVE DATA

LS = 50'	TS = 314.40'
Δ = 90°52'45"	K = 74.97'
TC = 98335'	X _c = 149.83'
Lc = 34833'	Y _c = 5.23'
Rc = 716.20'	LT = 100.06'
Dc = 8°00'	ST = 50.05'
P = 1.31'	LC = 40.93'
TS = Sta 18+85.46	CS = Sta 33+83.79
SC = Sta 20+35.46	ST = Sta 35+33.70
BS = 6°20'	
Δc = 5°52'	



DESIGN - V. SMITH
CHECK - J. W. F.

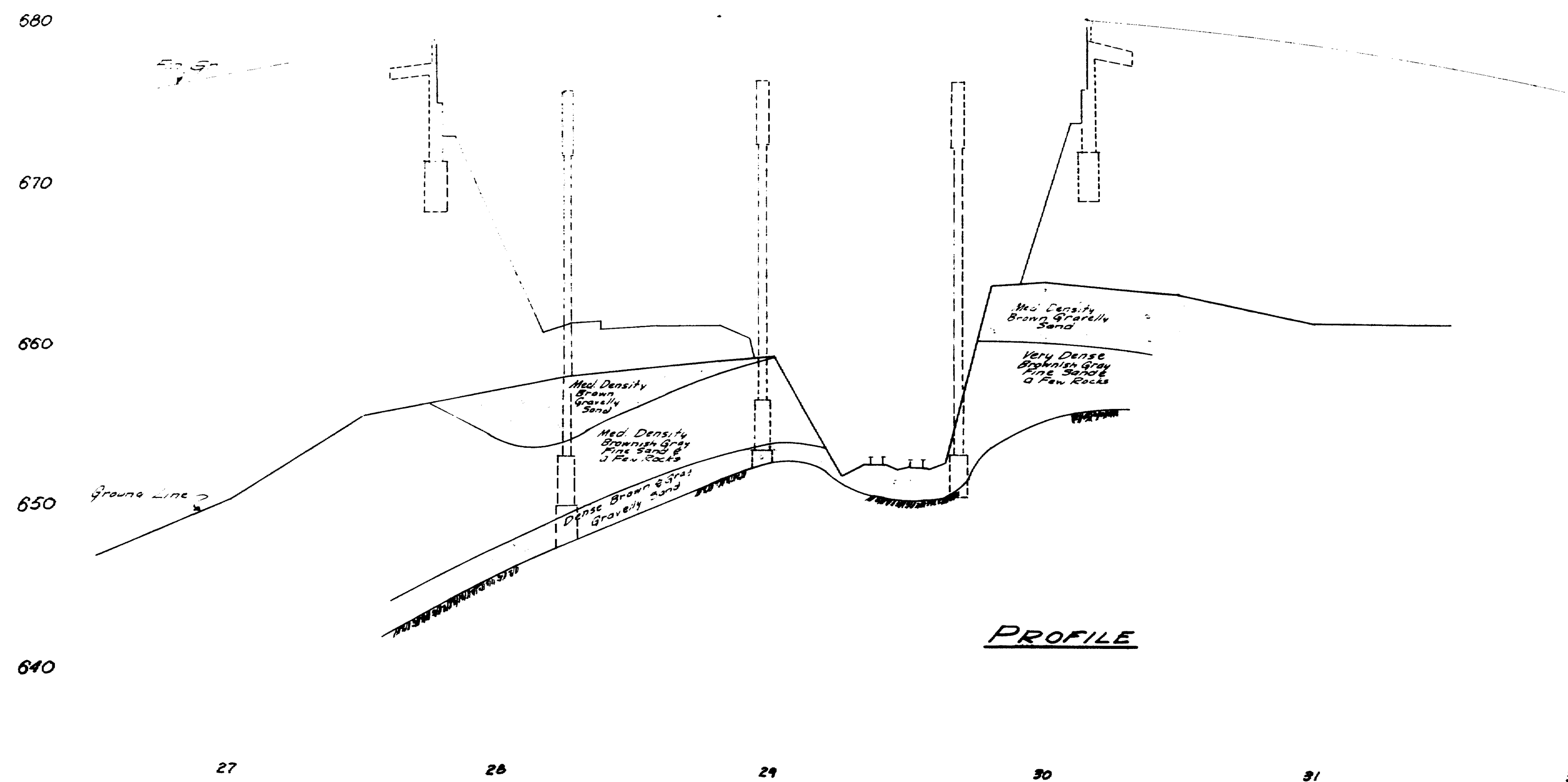
BRIDGE NO. _____
SURVEY - PRIMARY DIV.
PLOT

STATE HIGHWAY COMMISSION
BRIDGE DIVISION

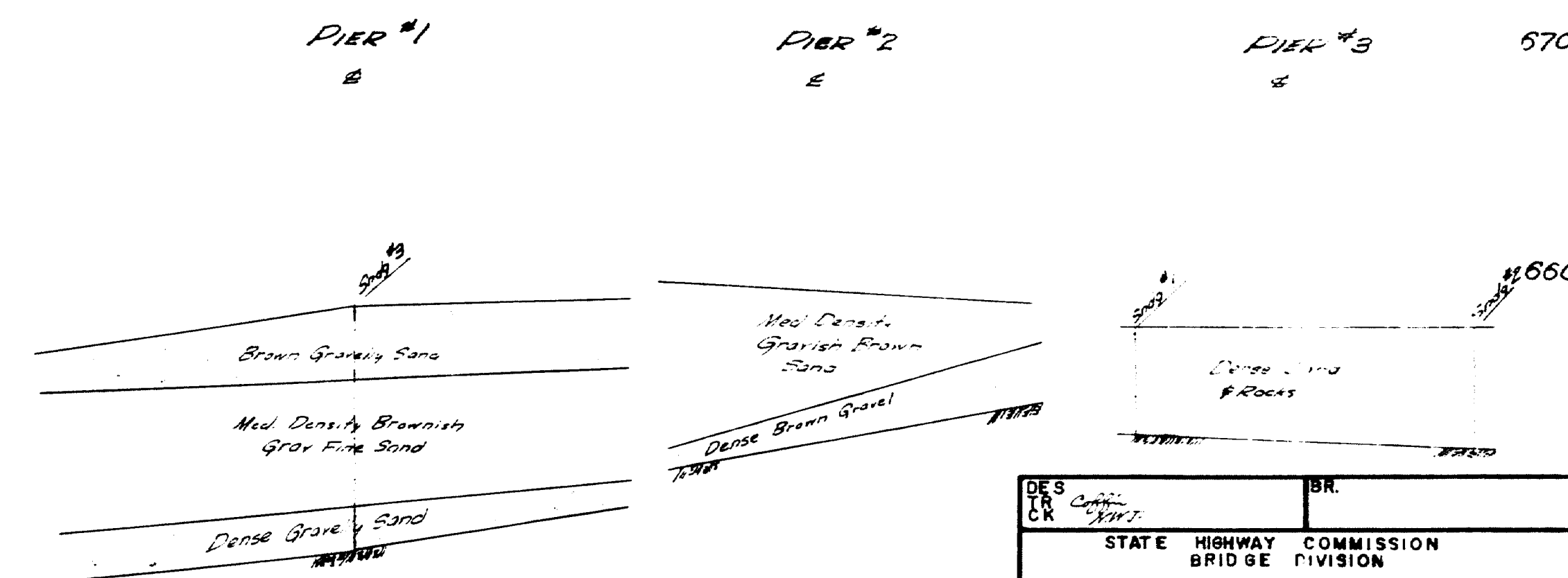
CANADIAN NATIONAL RAILWAYS CROSSING
OVER
CANADIAN NATIONAL RAILWAYS TRACKS
AND
RAILROAD STREET
IN THE TOWN OF
BETHEL, OXFORD COUNTY
SURVEY

SHEET 2 OF 19 AUGUSTA, MAINE JULY, 1959

M-1738

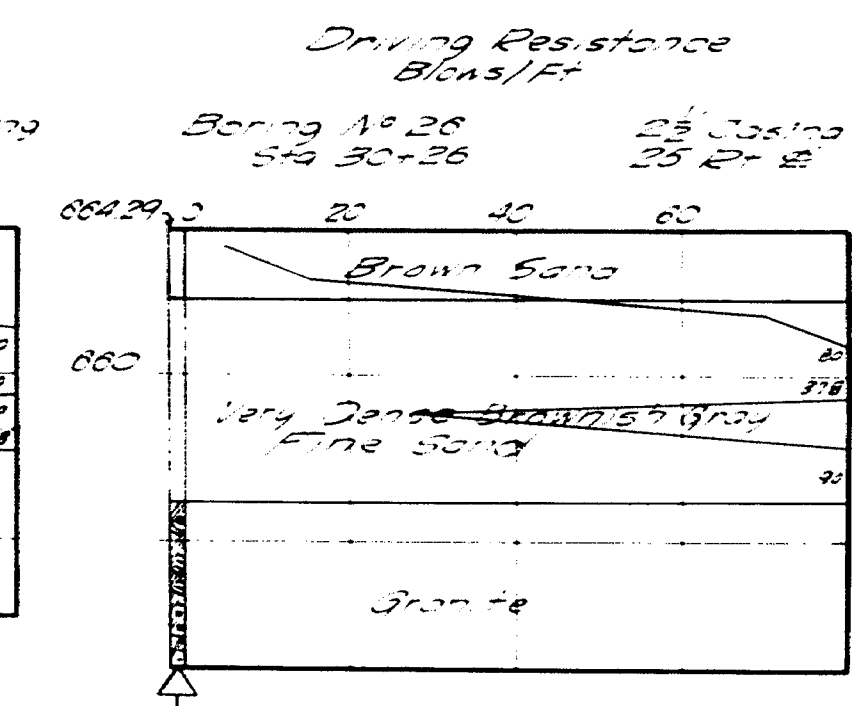
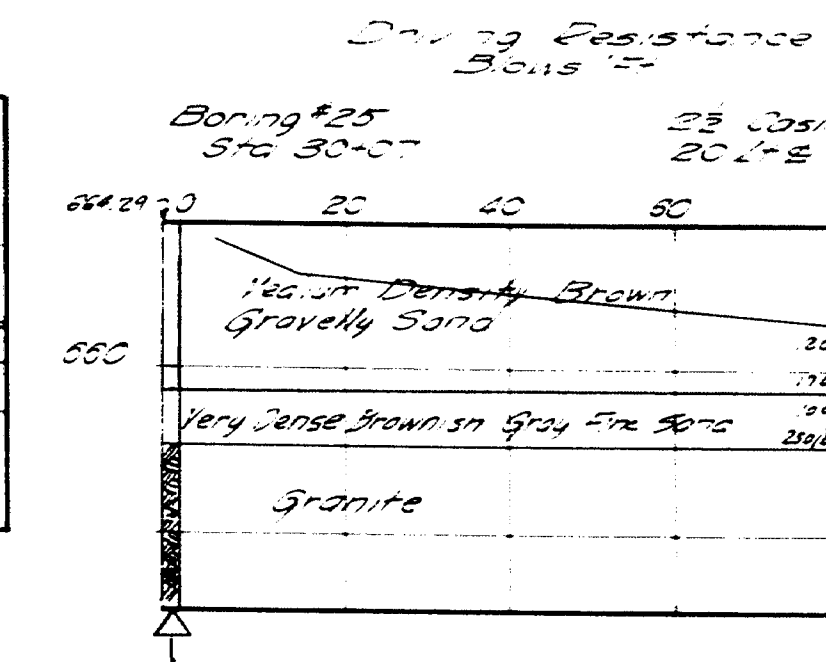
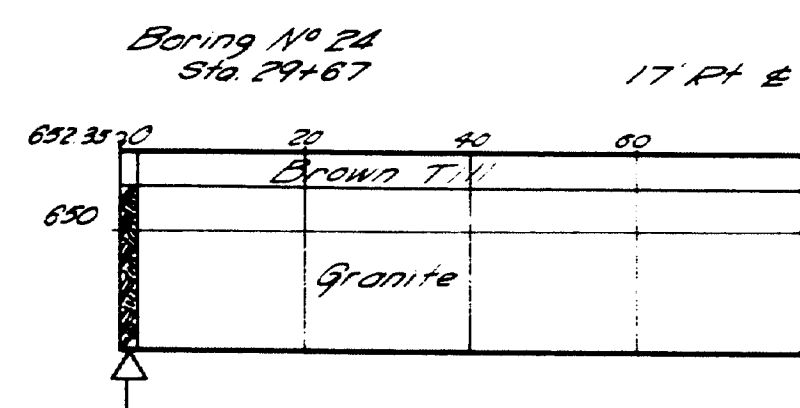
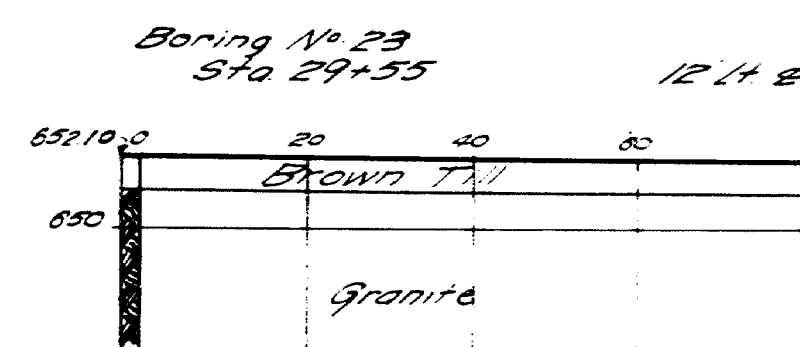
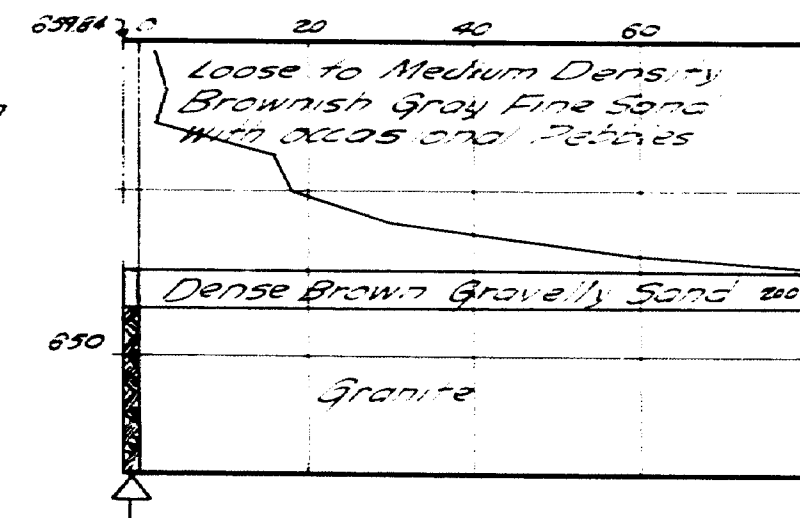
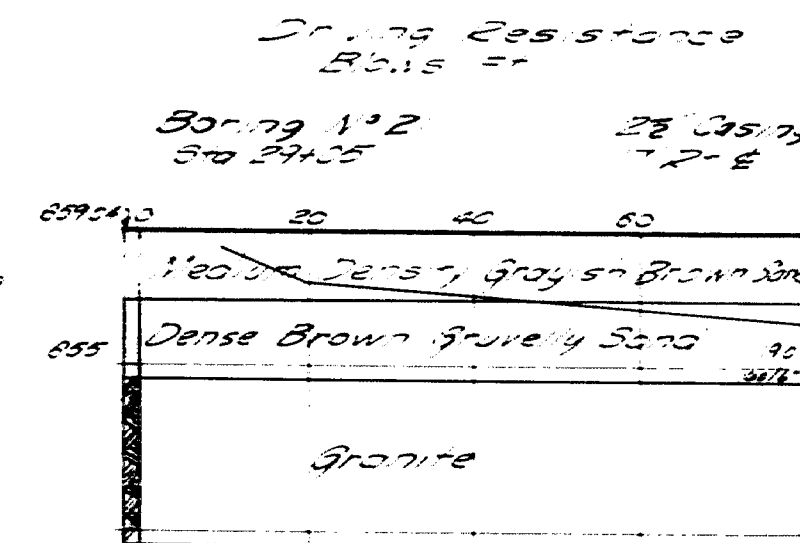
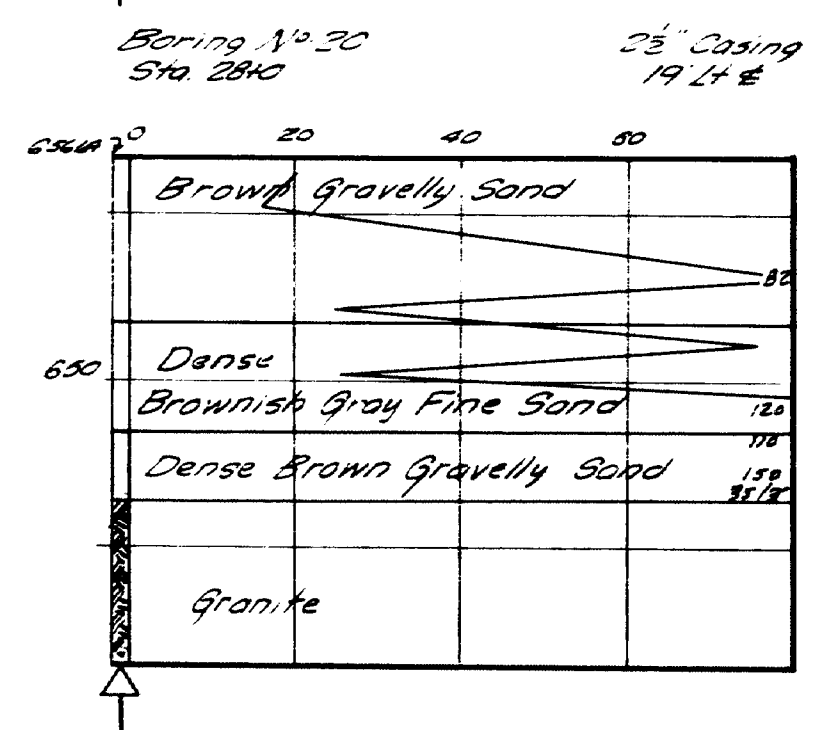
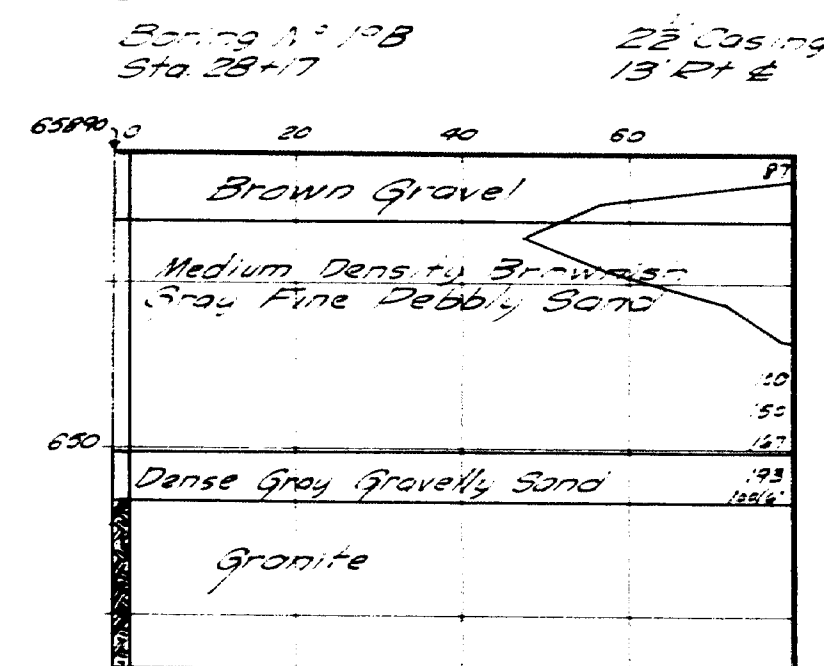
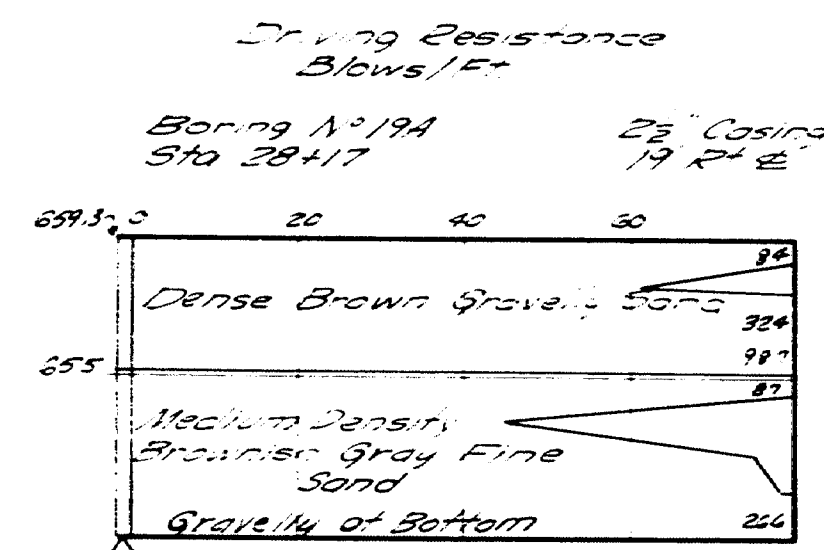
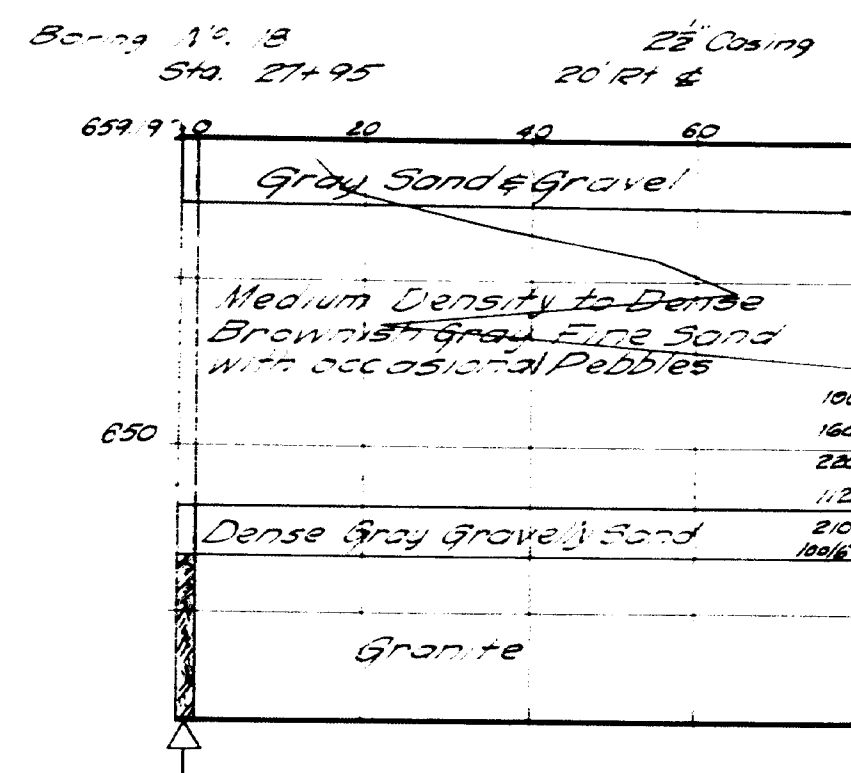
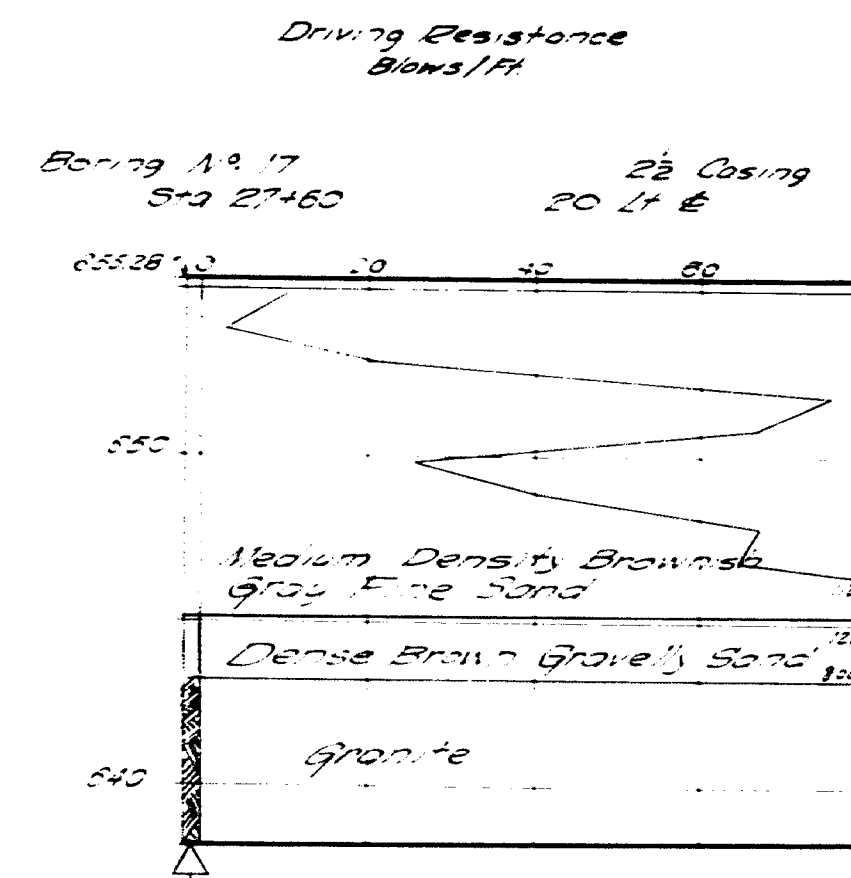


TRANSVERSE PROFILES



DES CR	BR.
STATE HIGHWAY COMMISSION BRIDGE DIVISION	
CANADIAN NATIONAL RAILWAYS CROSSING OVER	
CANADIAN NATIONAL RAILWAYS TRACKS AND	
RAILROAD STREET IN THE TOWN OF BETHEL, OXFORD CO.	
FOUNDATION SURVEY	
SHEET 3 OF 19 AUGUSTA, MAINE NOV. 59	

M-1739



Notes
Number of blows of 275# hammer falling 18' required to
to drive extra heavy casing 1' not indicated graphically
or numerically (when in excess of 80 blows/ft) thus 129 or 130
Bottom of boring indicated thus
Refusal of drill rods or casing thus

DESIGN - TRACE - CHECK -	BRIDGE NO. SURVEY - PLOT -
STATE HIGHWAY COMMISSION BRIDGE DIVISION CANADIAN NATIONAL RAILWAYS CROSSING OVER CANADIAN NATIONAL RAILWAYS TRACKS AND RAILROAD STREET IN THE TOWN OF BETHEL, OXFORD CO. FOUNDATION SURVEY SHEET 4 OF 19 AUGUSTA, MAINE NOV. 1959	

M-1740

