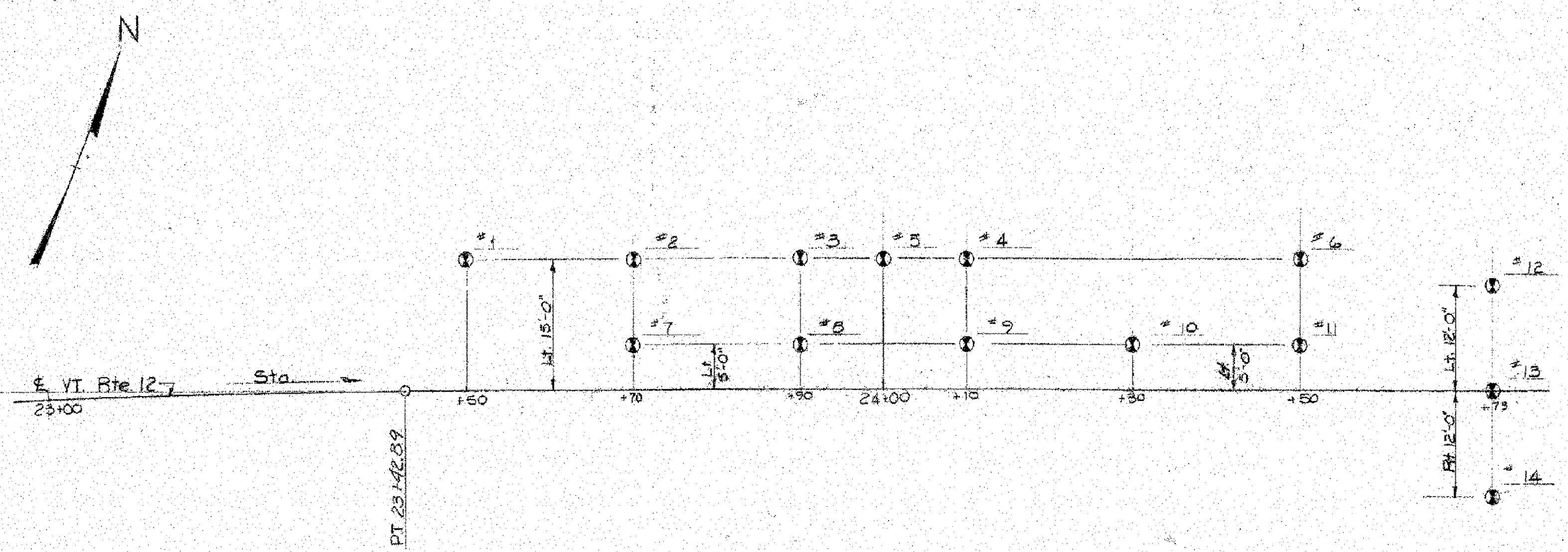


AUGER BORING DATA

BETHEL SA 10/1963 Auger Boring Data											
Hole No.	Station	Offset	Obs. Elev.	Depth	Remarks	Hole No.	Station	Offset	Obs. Elev.	Depth	Remarks
1	24+50	15' Left	589.1	0'-4.0'	Dry, Brown Silt and Sand, Little Gravel	11	24+50	5' Left	589.4	0'-8.5'	Red Sounding
				4.0'-18.0'	Dry, Light Brown Sand and Silt, Trace of Gravel	12	24+70	12' Left	582.1	0'-8.0'	Dry, Brown Sand, Some Gravel, Some Silt
				18.0'	Ledge or Boulder					6.0'-16.5'	Dry, Light Brown Silt and Sand, Trace of Gravel
2	24+70	15' Left	591.7	0'-3.0'	Dry, Brown Sand and Silt, Little Gravel	13	24+70	Centerline	582.6	0'-18.5'	Ledge or Boulder
				3.0'-11.0'	Dry, Light Brown Sand and Silt, Trace of Gravel	14	24+70	12' Right	582.0	0'-19.0'	Red Sounding
				11.0'-15.5'	Dry, Brown Sand and Silt, Little Gravel					0'-6.0'	Dry, Brown Sand, Some Gravel, Some Silt
				15.5'	Ledge or Boulder					6.0'-22.5'	Dry, Light Brown Sand, Some Silt, Trace of Gravel
3	24+80	15' Left	589.1	0'-8.0'	Dry, Brown Sand and Silt, Little Gravel					22.5'	Ledge or Boulder
				8.0'-12.0'	Dry, Light Brown Sand, Some Silt, Little Gravel						
				12.0'-16.0'	Dry, Grey-Brown Silt and Sand, Little Gravel						
				16.0'-18.0'	Dry, Grey Sand and Silt, Little Gravel (Possibly Ground Ledge)						
				18.0'	Could not Penetrate Further						
4	24+10	15' Left	587.4	0'-4.0'	Dry, Brown Sand, Some Gravel, Little Silt						
				4.0'-17.0'	Dry, Light Brown Sand, Some Silt, Trace of Gravel						
				17.0'	Ledge or Boulder						
5	24+00	15' Left	586.0	0'-10.0'	Dry, Brown Sand, Some Gravel, Little Silt						
				10.0'-12.5'	Dry, Light Brown Sand, Some Silt, Trace of Gravel						
				12.5'	Ledge or Boulder						
6	24+50	15' Left	584.6	0'-5.0'	Dry, Brown Sand, Some Gravel, Little Silt						
				5.0'-17.0'	Dry, Light Brown Sand, Some Silt, Trace of Gravel						
				17.0'-22.5'	Dry, Brown Sand and Silt, Trace of Gravel						
				22.5'	Ledge or Boulder						
7	24+70	5' Left	590.9	0'-15.0'	Red Sounding						
				15.0'	Ledge or Boulder						
8	24+90	5' Left	587.8	0'-18.5'	Red Sounding						
				18.5'	Ledge or Boulder						
9	24+10	5' Left	586.5	0'-17.0'	Red Sounding						
				17.0'	Ledge or Boulder						
10	24+30	5' Left	585.4	0'-18.0'	Red Sounding						
				18.0'	Ledge or Boulder						

Note: All Red Soundings Driven with Jack Hammer.



— BORING LAYOUT —
Scale: 1"=10'

— GENERAL NOTES —

SPECIFICATIONS: ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION DATED JANUARY 1956, AND THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES DATED 1961 AS CHANGED BY INTERIM SPECIFICATIONS DATED 1961 AND 1962.

DESIGN IS FOR H 15-4H LOADING APPLIED IN ACCORDANCE WITH THE PROVISIONS OF THE AASHTO STANDARD SPECIFICATIONS, ARTICLE 1.2.6.

STRUCTURAL STEEL: UNLESS OTHERWISE NOTED ON THE PLANS, ALL NEW STRUCTURAL STEEL SHALL CONFORM WITH ASTM DESIGNATION A 36-52. UNLESS OTHERWISE DETAILED, ALL FIELD CONNECTIONS SHALL BE MADE WITH 7/8" HIGH STRENGTH A325 BOLTS, USING 15/16" HOLES. WHERE CONNECTIONS ARE NOT DETAILED, THEY SHALL BE DETAILED BY THE CONTRACTOR AND SUBMITTED TO THE STATE FOR APPROVAL.

AFTER THE SUPERSTRUCTURE STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP OF THE ERECTED BEAMS SHALL BE TAKEN UNDER THE DIRECTION OF THE ENGINEER TO DETERMINE THE FINAL GRADE.

THE FINAL COAT OF PAINT SHALL BE DARK GREEN.

FIELD WELDING WILL BE PERMITTED ON ALL OLD MATERIAL. CONTRACTOR SHALL SUBMIT IN WRITING HIS PROPOSAL FOR WELDING METHODS AND MATERIALS TO THE STATE FOR APPROVAL.

CONCRETE: ALL CONCRETE IN THE SUPERSTRUCTURE SHALL BE CLASS AA (MOD.). ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1"x1" UNLESS OTHERWISE INDICATED ON THE PLANS.

TOP SURFACES OF ALL PIERS AND ABUTMENTS SHALL BE SLOPED 1/4" PER FOOT EXCEPT AT BEARING RADS, WHERE THE SURFACES SHALL BE LEVEL. ABUTMENTS SHALL BE SLOPED FROM THE FRONT EDGE OF THE CURTAIN WALL OR FACE OF BACKWALL, AND PIERS SHALL BE SLOPED FROM THE CENTERLINE OF PIER.

THE ENTIRE EXPOSED TOP SURFACE OF THE ABUTMENTS AND PIERS SHALL BE COATED WITH ASPHALTIC ASBESTOS COATING 1/2" THICK AS PER ITEM 401-B. THIS ITEM SHALL BE APPLIED AFTER ALL PAINTING AND INCIDENTAL ITEMS ARE COMPLETED.

ALL DIMENSIONS ARE GIVEN AT GCF.

FRONT FACE OF BACKWALL ABOVE BRIDGE SEATS TO BE MOPPED WITH TWO (2) COATS OF EMULSIFIED ASPHALT, TYPE RS-1, AS SPECIFIED IN ITEM 401-B. COST OF THIS WORK TO BE INCLUDED IN THE UNIT PRICE FOR ITEM 401-B, CONCRETE CLASS B, MOD. (ABUTMENT NO. 2 ONLY).

PREFORMED EXPANSION MATERIAL SHALL NOT CONTAIN ASPHALT OR BITUMINOUS MATERIAL AND IT SHALL CONFORM TO AASHTO DESIGNATION M 153 TYPE 11.

REINFORCING STEEL: MINIMUM COVER FOR REINFORCING STEEL, MEASURED FROM THE SURFACE OF THE CONCRETE TO THE FACE OF THE REINFORCEMENT, SHALL BE 3" UNLESS OTHERWISE SPECIFIED.

BORINGS: BORINGS INDICATED ON THE DRAWINGS HAVE BEEN MADE FOR DESIGN PURPOSES ONLY AND ARE NOT WARRANTED TO SHOW ACTUAL SUB-SURFACE CONDITIONS.

STATE OF VERMONT	
DEPARTMENT OF HIGHWAYS	
TOWN OF <u>BETHEL</u>	
ROUTE NO. <u>VT. 12</u> LOG STA. _____	
<u>BORING DATA</u>	
<u>BRIDGE OVER WHITE RIVER</u>	
SCALE <u>As Noted</u>	
SURVEYED BY _____	
DRAWN BY <u>NBT</u> CHECKED BY <u>EHL</u>	
PROJECT NO. <u>SA 10 / 1963</u>	
SHEET <u>5</u> OF <u>98</u>	

PROJECT: BETHEL	PROJECT NO. : BRF0231 (33) C/2
DESIGN FILE NAME: 02c180/structures/s02c180ref.dgn	IPARM FILE NAME: s02c180ref3.i
DESIGNED BY: J. WHITE	PLOT DATE: 14-APR-2005
SQUAD LEADER: C. P. WILLIAMS	DRAWN BY: J. WHITE
REFERENCE SHEET 3	CHECKED BY:
	SHEET: 120 OF 130

THIS DRAWING IS NOT TO SCALE