

ENGINEER		STATE OF VERMONT		SHEET	
McGlynn		DEPARTMENT OF HIGHWAYS		1 OF 2 SHEETS	
DATE		SUBSURFACE BORING LOG		FOR HOLE NO.	
August 6, 1971				RW-65	
PROJECT		No.		F 020-1(10)	
West Rutland-Rutland					
NAME OF STRUCTURE		Town		Rutland	
Roadway					
STATION		LINE AND OFFSET		centerline	
946+00					
(PIER) (ABUT.) NO.		HOLE NO.		RW-65	
GROUND ELEV.		GROUND WATER ELEV.			
525.0					
CASING O. D.		WGT. HAMMER		HAMMER FALL	
I. D.					
SAMPLER O. D.		WGT. HAMMER		HAMMER FALL	
I. D.					

DEPTH BELOW GROUND SURFACE	BLOWS ON SAMPLER	MOISTURE	COLOR	FIELD IDENTIFICATION OF SOIL AND REMARKS		LABORATORY CLASSIFICATION OF SOIL	
0							3" Vane
10				Sand @ 7.0', could not get vane			
15				Vane @ 12.0'	Reading 351 Remold 52	1535 paf 232 paf	
20				Vane @ 17.0'	Reading 205 Remold 56	897 paf 245 paf	
25				Vane @ 22.0'	Reading 174 Remold 95	761 paf 416 paf	
30				No Vane @ 27', flowing sand			
35				Tube @ 32.0', Wet, gray, cl. si. Torvane 0.36, 0.35, 0.38		720 paf	
40				Tube @ 37.0' Torvane 0.22, 0.19, 0.22		420 paf	
45				Tube @ 42.0' Torvane 0.06, 0.09, 0.07 A-4, Clayey Silt		146 paf	
50				Vane @ 52.0'	Reading 145 Remold 98	634 paf 429 paf	
55				Vane @ 57.0'	Reading 267 Remold 150	1160 paf 656 paf	
60				Vane @ 62.0'	Reading 250 Remold 110	1094 paf 481 paf	
65				Vane @ 67.0'	Reading 280 Remold 137	1225 paf 600 paf	
70				Hole stopped @ 67.0'			

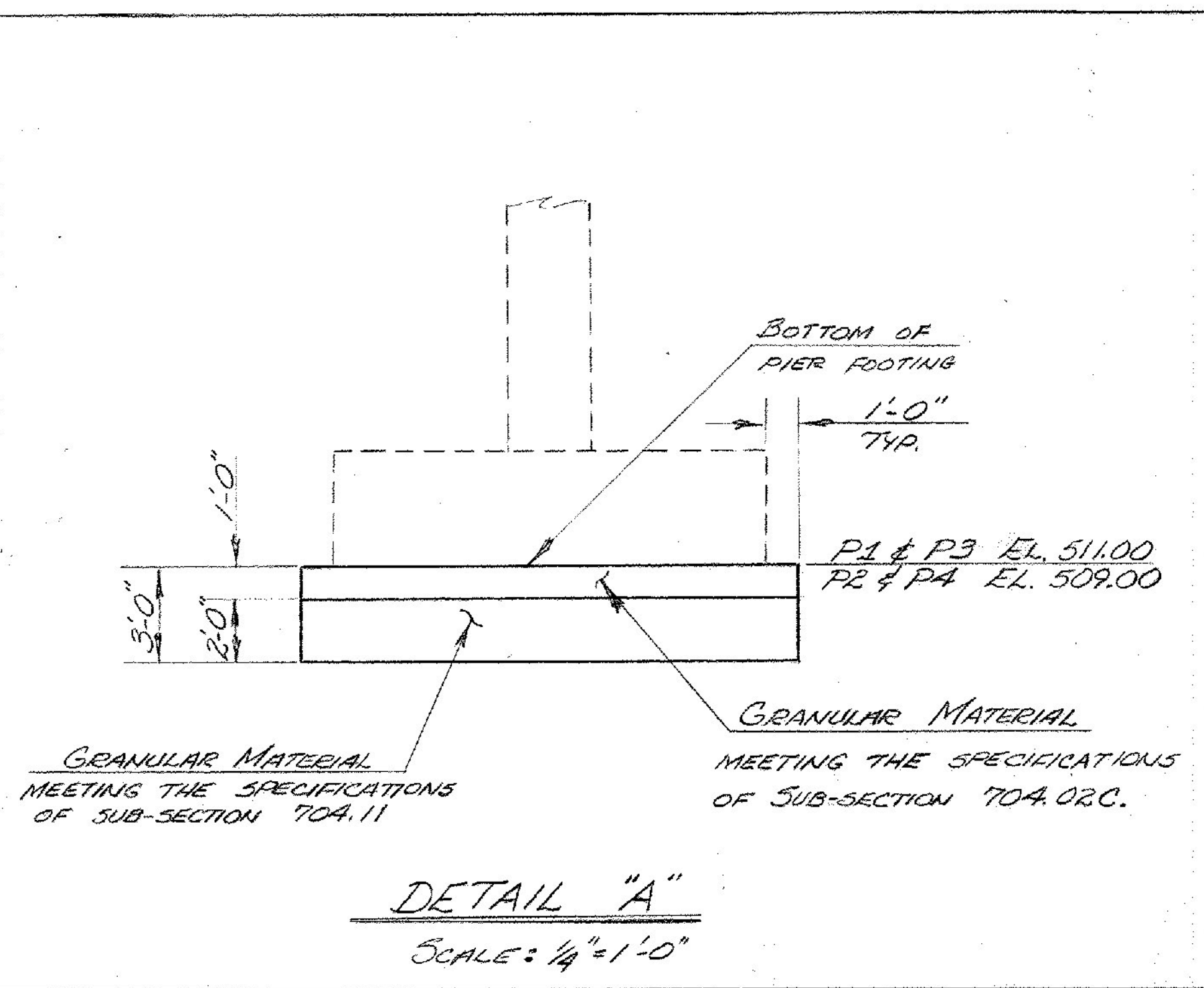
ENGINEER		STATE OF VERMONT		SHEET	
McGlynn		DEPARTMENT OF HIGHWAYS		1 OF 1 SHEETS	
DATE		SUBSURFACE BORING LOG		FOR HOLE NO.	
August 4, 1971				RW-66	
PROJECT		No.		F 020-1(10)	
West Rutland-Rutland					
NAME OF STRUCTURE		Town		Rutland	
Roadway					
STATION		LINE AND OFFSET		2	
950+0					
(PIER) (ABUT.) NO.		HOLE NO.		RW-66	
GROUND ELEV.		GROUND WATER ELEV.			
527.2					
CASING O. D.		WGT. HAMMER		HAMMER FALL	
Hollow Steel D.					
SAMPLER O. D.		WGT. HAMMER		HAMMER FALL	
Auger I. D.					

DEPTH BELOW GROUND SURFACE	BLOWS ON SAMPLER	MOISTURE	COLOR	FIELD IDENTIFICATION OF SOIL AND REMARKS		LABORATORY CLASSIFICATION OF SOIL	
0							Used 3" Vane
10				Vane @ 7.0'	Reading 155 Remold 73	678 PSF 319 PSF	
20				Vane @ 12.0'	Reading 115 Remold 36	503 PSF 188 PSF	
30				Vane @ 17.0'	Reading 277	1211 PSF	
35				Vane @ 22.0'	Reading 279 Remold 105	1220 PSF 460 PSF	
40				Vane @ 27.0'	Reading 233 Remold 72	1020 PSF 315 PSF	
45				Tube @ 32.0', Silt - grey, MW Torvane 0.34, 0.33, 0.35		660 PSF	
50				Tube @ 37.0', No Recovery silt in wash			
55				Tube @ 40.0', No Recovery Sand, stones			
60				No Recovery on S.B. sample Hole stopped @ 40.0'			

GENERAL NOTES

- THE SUBSURFACE EXPLORATIONS SHOWN HEREON WERE MADE BETWEEN 1-71 AND 2-71 BY THE VERMONT AGENCY OF TRANSPORTATION.
- SOIL AND ROCK (WHERE ENCOUNTERED) CLASSIFICATION, PROPERTIES AND DESCRIPTIONS ARE BASED ON ENGINEERING INTERPRETATION OF AVAILABLE SUBSURFACE INFORMATION BY THE VERMONT AGENCY OF TRANSPORTATION AND MAY NOT NECESSARILY REFLECT ACTUAL VARIATIONS IN SUBSURFACE CONDITIONS THAT MAY BE ENCOUNTERED BETWEEN INDIVIDUAL BORING OR SAMPLE LOCATIONS.
  - OBSERVED WATER LEVELS AND/OR WATER CONDITIONS INDICATED ARE AS RECORDED AT THE TIME OF EXPLORATION AND MAY VARY ACCORDING TO THE PREVAILING RAINFALL, METHODS OF EXPLORATION AND OTHER FACTORS.
  - SOUND ENGINEERING JUDGEMENT WAS EXERCISED IN PREPARING THE SUBSURFACE INFORMATION PRESENTED HEREON. ANALYSIS AND INTERPRETATION OF SUBSURFACE DATA WAS PERFORMED AND INTENDED FOR AGENCY DESIGN AND ESTIMATE PURPOSES ONLY. PRESENTATION OF THE INFORMATION ON THE PLANS OR ELSEWHERE IS FOR THE PURPOSE OF PROVIDING INTENDED USERS WITH ACCESS TO THE SAME DATA AVAILABLE TO THE AGENCY. THE SUBSURFACE INFORMATION IS PRESENTED IN GOOD FAITH AND IS NOT INTENDED AS A SUBSTITUTE FOR PERSONAL INVESTIGATION, INDEPENDENT INTERPRETATIONS, INDEPENDENT ANALYSIS OR JUDGEMENT OF THE CONTRACTOR.
  - PICTORIAL STRUCTURE DETAILS SHOWN HEREON ARE FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT BE INDICATIVE OF THE FINAL DESIGN CONDITIONS SHOWN IN THE CONTRACT PLANS.



COFFERDAM NOTES

- PAY ITEM 530.10 - COFFERDAM, SHALL CONSIST OF THE FOLLOWING WORK:
  - ALL LABOR AND INCIDENTALS REQUIRED TO INSTALL AND REMOVE COFFERDAM.
  - EXCAVATION OF ALL MATERIAL TO CONSTRUCT EACH PIER.
  - A MINIMUM 2" OF GRANULAR MATERIAL MEETING SPECIFICATIONS AS SHOWN IN DETAIL "A" BELOW THE BOTTOM OF THE PIER FOOTINGS; OR A CONCRETE SEAL BELOW THE BOTTOM OF THE PIER FOOTINGS AT THE CONTRACTOR'S OPTION.
- SPECIFICATION ITEM 530.02 SHALL BE MODIFIED BY THE ADDITION OF THE FOLLOWING: THE CONTRACTOR SHALL PREPARE DETAILED PLANS AND A SCHEDULE OF HIS OPERATION FOR EACH COFFERDAM SPECIFIED IN THE CONTRACT. THE DESIGN AND STRUCTURAL DETAILS OF THE COFFERDAM SHALL BE APPROVED AND SIGNED BY A QUALIFIED PROFESSIONAL ENGINEER (STRUCTURAL OR CIVIL BRANCH) REGISTERED IN THE STATE OF VERMONT. FOUR COPIES OF THE PLANS AND SCHEDULE OF OPERATIONS SHALL BE SUBMITTED TO THE STRUCTURES DIVISION, VERMONT AGENCY OF TRANSPORTATION, 133 STATE STREET, MONTPELIER, VERMONT, 05602, FOR REVIEW AND APPROVAL FOR CONFORMANCE WITH SPECIFICATIONS.
- DETAILS PRESENTED SHALL INCLUDE: PLAN, ELEVATION AND SECTIONS INDICATING COFFERDAM DETAILS; SUBSTRUCTURE CONSTRUCTION DETAILS; DEPTH OF GRANULAR MATERIAL OR SEAL BELOW THE BOTTOM OF THE PIER FOOTINGS; DETAILS FOR PUMPING, SCREENING AND FILTERING Dewatering DISCHARGE AND A SCHEDULE OR SEQUENCE OF OPERATIONS.
- ALL CONCRETE ABOVE THE BOTTOM OF THE FOOTING SHALL BE PLACED IN THE DAY.

<b>STATE OF VERMONT</b>	
<b>AGENCY OF TRANSPORTATION</b>	
TOWN OF <b>RUTLAND</b>	Bridge No. <b>6</b>
HIGHWAY NO. <b>U.S. 4</b>	Log Sta. <b>945+00</b>
<b>BORING LOG</b>	
<b>U.S. 4 OVER OTTER CREEK</b>	
Designed by	Drawn by <b>S. BASCOM</b>
Checked by <b>R.P. GENDRON</b> date <b>2-83</b>	Bridge Design Supervisor <b>R.S. HAUPT</b> date
PROJECT <b>WEST RUTLAND-RUTLAND</b>	PROJECT NO. <b>FO20-1(10)</b>
Bridge Sheet No. <b>BR 606</b>	Sheet <b>124</b> of <b>459</b>