SOIL CLASSIFICATION	COMMONLY USED SYMBOLS
AASHTO AI Gravel and Sand A3 Fine Sand A2 Silty or Clayey Gravel and Sand A4 Silty Soil - Low Compressibility A5 Silty Soil - Highly Compressible A6 Clayey Soil - Low Compressibility A7 Clayey Soil - Highly Compressible	 Water Elevation Standard Penetration Boring Auger Boring Rod Sounding Sample N Standard Penetration Test Blow Count Per Foot For: 2" O. D. Sampler 1³/₈" I. D. Sampler Hammer Weight Of 140 Lbs.
ROCK QUALITY DESIGNATIONR.O.D. (%)ROCK DESCRIPTION Very Poor25 to 50 51 to 75 76 to 90 >90Poor Good Excellent	Hammer Fall Of 30" VS Field Vane Shear Test US Undisturbed Soil Sample B Blast DC Diamond Core MD Mud Drill WA Wash Ahead HSA Hollow Stem Auger AX Core Size 1 ¹ / ₈ " BX Core Size 2 ¹ / ₈ " M Double Tube Core Barrel Used LL Liquid Limit PL Plastic Limit PL Plastic Limit PI Plasticity Index NP Non Plastic W Moisture Content (Dry Wgt.Basis) D Dry
SHEAR STRENGTHUNDRAINEDSHEAR STRENGTHIN P.S.F.<250<250-500500-10001000-20002000-4000>4000Very StiffHard	M Moist MTW Moist To Wet W Wet Sat Saturated Bo Boulder Gr Gravel Sa Sand Si Silt CI Clay HP Hardpan Le Ledge NLTD No Ledge To Depth CNPF Can Not Penetrate Further TLOB Top of Ledge Or Boulder NR No Recovery Rec. Recovery ZRec. Percent Recovery
CORRELATION GUIDE OF "N" TO DENSITY / CONSISTENCY (GRANULAR SOILS) DESCRIPTIVE DESCRIPTIVE	COLOR
NTERMNTERM<5Very Loose<2Very Soft5-10Loose2-4Soft11-24Med. Dense5-8Med. Stiff25-50Dense9-15Stiff>50Very Dense16-30Very Stiff31-60Hard>60Very Hard	blkBlackpnkPinkblBluepuPurplebrnBrownrdReddkDarktnTangryGraywhWhitegnGreenyelYellowltLightmltcMulticoloredorOrangeFormedFormed
DEFINITION	NS (AASHTO)
 BEDROCK (LEDGE) - Rock in its native location of indefinite thickness. BOULDER - A rock fragment with an average dimension > 12 inches. COBBLE - Rock fragments with an average dimension between 3 and 12 inches. GRAVEL - Rounded particles of rock < 3" and > 0.0787" (#10 sieve). SAND - Particles of rock < 0.0787" (#200 sieve). 	 VARVED - Alternate layers of silt and clay. HARDPAN - Extremely dense soil, cemented layer, not softened when wet. MUCK - Soft organic soil (containing > 10% organic material. MOISTURE CONTENT - Weight of water divided by dry weight of soil. FLOWING SAND - Granular soil so saturated (loose) that it flows

SILT - Soil < 0.0029" (#200 sieve), non

or slightly plastic and exhibits

plasticity when moist and consider-

no strength when air-dried.

CLAY - Fine grained soil, exhibits

able strength when air-dried.

- SO saturated (loose) that it flows into drill casing during extraction of wash rod.
- STRIKE Angle from magnetic north to line of intersection of bed with a horizontal plane.

DIP - Inclination of bed with a horizontal plane.



SCALE I" = I

I. The subsurface explorations shown herein were made between 8/30/04 and 10/4/04 by the Agency.

2. Soil and rock classifications, properties and descriptions are based on engineering interpretation from available subsurface information by the Agency and may not necessarily reflect actual variations in subsurface conditions that may be encountered between individual boring or sample locations.

3. Observed water levels and/or conditions indicated are as recorded at the time of exploration and may vary according to the prevailing rainfall, methods of exploration and other factors.

GENERAL NOTES

- 4. Engineering judgment was exercised in preparing the subsurface information presented herein. Analysis and interpretation of subsurface data was performed and interpreted for Agency design and estimating purposes. Presentation of the information in the Contract is intended to provide the Contractor 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 interpretation, independent analysis or judgment by the Contractor.
- 5. Pictorial structure details the boring plan layout or profile are for illustrative only and may not accurate portray final contract det
- 6. Terminology used on boring describe the hardness, deg weathering, and spacing of fractures, joints and othe discontinuities in the bedr defined in the AASHTO Man Subsurface Investigations,
- 7. Northing and Easting coord are shown in Vermont Sta Grid North American Datum meters and survey feet.

BORING CHART

0′ - 0 '' 10		HOLE NO.	STATION	OFFSET (FT)	GROUND Elev.			
		B- I	104+59.00	-19.42	600.37			
shown on soils e purposes ely tails.		B-2	104+72.00	17.81	600.60			
		B-3	105+74.00	-21.33	600.14			
		B-4	105+89.00	18.04	598.20			
g logs to gree of f er rock is								
nualon 1988. dinates ite Plane n 1983 in	project name: BETHEL project number: BHF 0241(30)							
	FILE NAME: s95c002bor.dgn PROJECT LEADER: M.EVANS-MONGEON DESIGNED BY: U.STANLEY BORING INFORMATION SHEET			PLOT DATE: 3I-AUG-20II DRAWN BY: M.LONGSTREET CHECKED BY:U.STANLEY SHEET 37 OF 64				