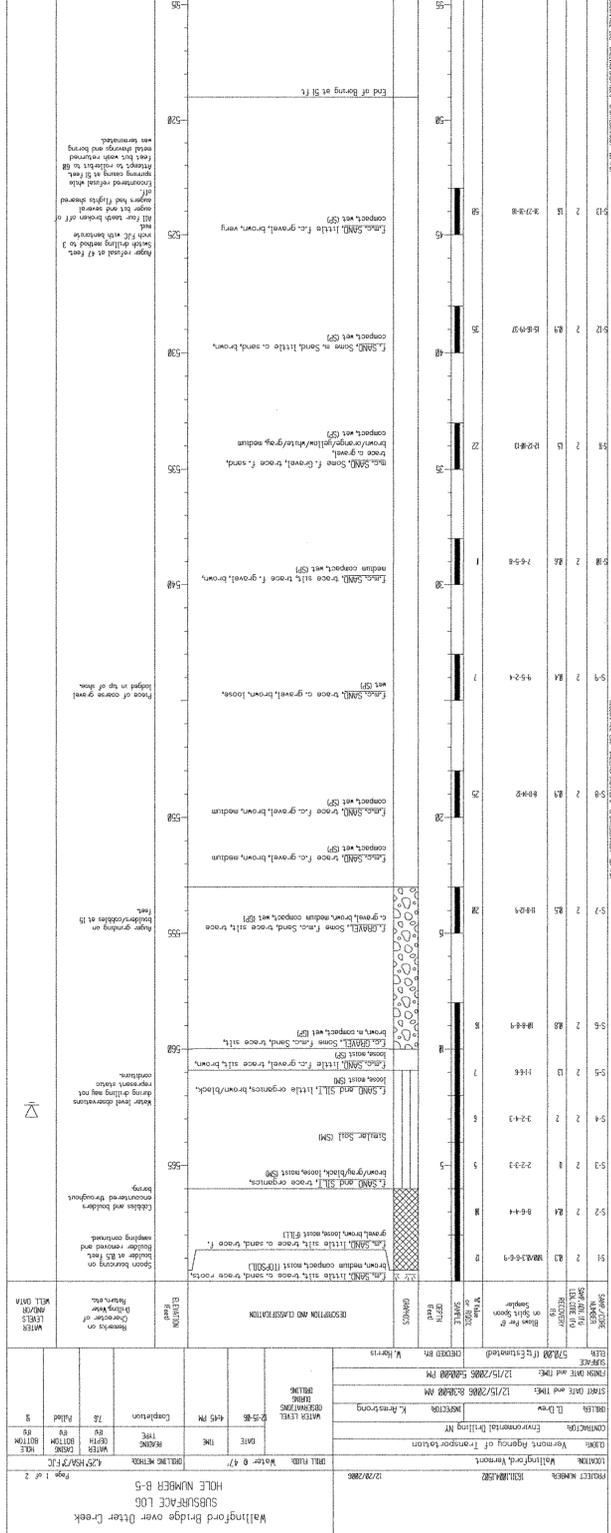
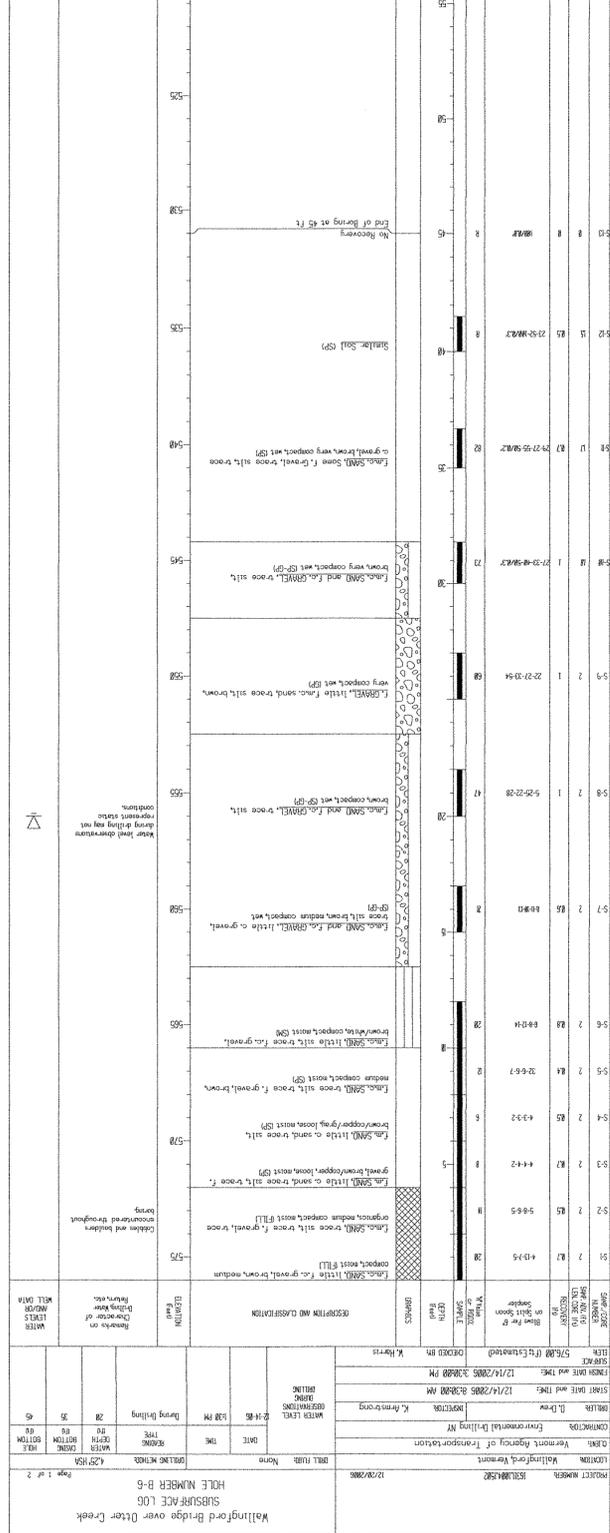


**ABUTMENT 2**  
 TIP EL.514.00



**ABUTMENT 2**  
 BOTTOM OF FOOTING

**ABUTMENT 1**  
 BOTTOM OF FOOTING



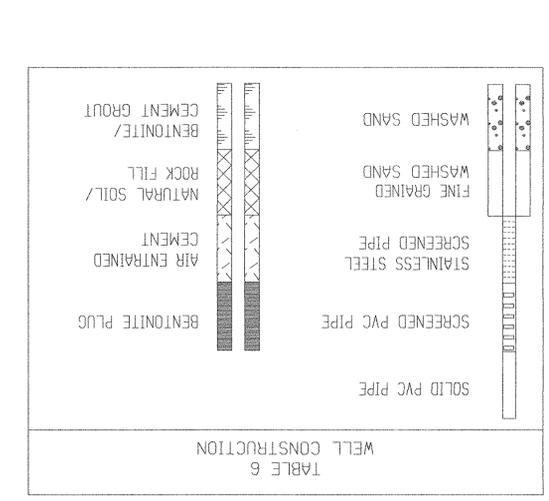
**NOTE:**  
 SEE SHT. 14 FOR BORING LOCATIONS



FILE NAME: \$FILES\$  
 PROJECT MANAGER: SUSAN SCRIBNER  
 DESIGNED BY: L. HARDEN  
 BRIDGE DESIGN SUPERVISOR: P. HALSTEAD  
 SHEET 15 OF 26

PROJECT NAME: WALLINGFORD  
 PROJECT NUMBER: STP ST WALK(14)

**BORING LOGS**



**TABLE 5**  
 ROCK CLASSIFICATION TERMS

HARDNESS:	WEATHERING:	BEDDING:	FRACTURE SPACING:	ROD:
Very Soft Carves Soft Grooves with knife Med. Hard Scatched easily with knife Hard Scatched with difficulty Very Hard Cannot be scatched with knife	Fresh Slight or no staining of fractures, little or no discoloration, few fractures. Slightly Fractures stained, discoloration may extend into rock if some soil in fractures. Moderately Significant portions of rock stained and discolored, soil in fractures, loss of strength. Highly Entire rock discolored and dull except quartz weathered to a residual soil.	Massive > 40" Thick 12" - 40" Medium 4" - 12" Thin < 4"	Massive/V. Wide > 6" Thick/Med. 2" - 6" Med./Med. 8" - 24" Thin/Close 2 1/2" - 8"	Excellent > 90% Good 75% - 90% Fair 51% - 75% Poor 25% - 50% V. Poor < 25%

**TABLE 4**  
 USCS CLASSIFICATION, PARTICLE SIZE, & GRAPHICS

MAJOR PARTICLE SIZE DIVISION	USCS SYMBOL	GENERAL DESCRIPTION	GRAPHIC SYMBOL
GRAVEL	GW, GP, GM, GC	Well graded gravels, gravel & sand mix., gravel, sand and clay mix., Gravel, sand and clay mix.	Well graded gravels, gravel & sand mix., gravel, sand and clay mix., Gravel, sand and clay mix.
SAND	SW, SP, SM, SC	Well graded sand, sand & gravel mix., Poorly graded sand, sand & gravel mix., Sand and silt mix., Sand and clay mix.	Well graded sand, sand & gravel mix., Poorly graded sand, sand & gravel mix., Sand and silt mix., Sand and clay mix.
SILT & CLAY	ML, CL, OL, MH, CH, OH, Pt	Inorganic silt, low plasticity, Inorganic silt, high plasticity, Inorganic clay, high plasticity, Organic silt/clay, high plasticity, Fat and other highly organic soils.	Inorganic silt, low plasticity, Inorganic silt, high plasticity, Inorganic clay, high plasticity, Organic silt/clay, high plasticity, Fat and other highly organic soils.
FINE GRAINED SOILS	Fill	Miscellaneous fill materials.	Miscellaneous fill materials.

**TABLE 3**  
 DENSITY/CONSISTENCY COHESIVE SOILS

ADJECTIVE	PERCENTAGE OF SAMPLE	SPLIT SPOON (3/8" I.D.)	ROCK CORE	SHELBLY TUBE (UNDISTURBED)	AUGER SAMPLE
Very Loose	< 5%	Very Loose	Loose	5-10	Very Soft
Loose	5% - 10%	Loose	Loose	5-10	Soft
Med. Compact	10% - 20%	Med. Compact	Med. Compact	5-8	Med. Stiff
Compact	20% - 35%	Compact	Compact	3-15	Stiff
Very Compact	> 35%	Very Compact	Very Compact	16-30	Very Stiff
				> 50	Hard

Standard split spoon samples may not recover particles with any dimension larger than 1/8". Therefore, reported gravel percentages may not reflect actual conditions.