

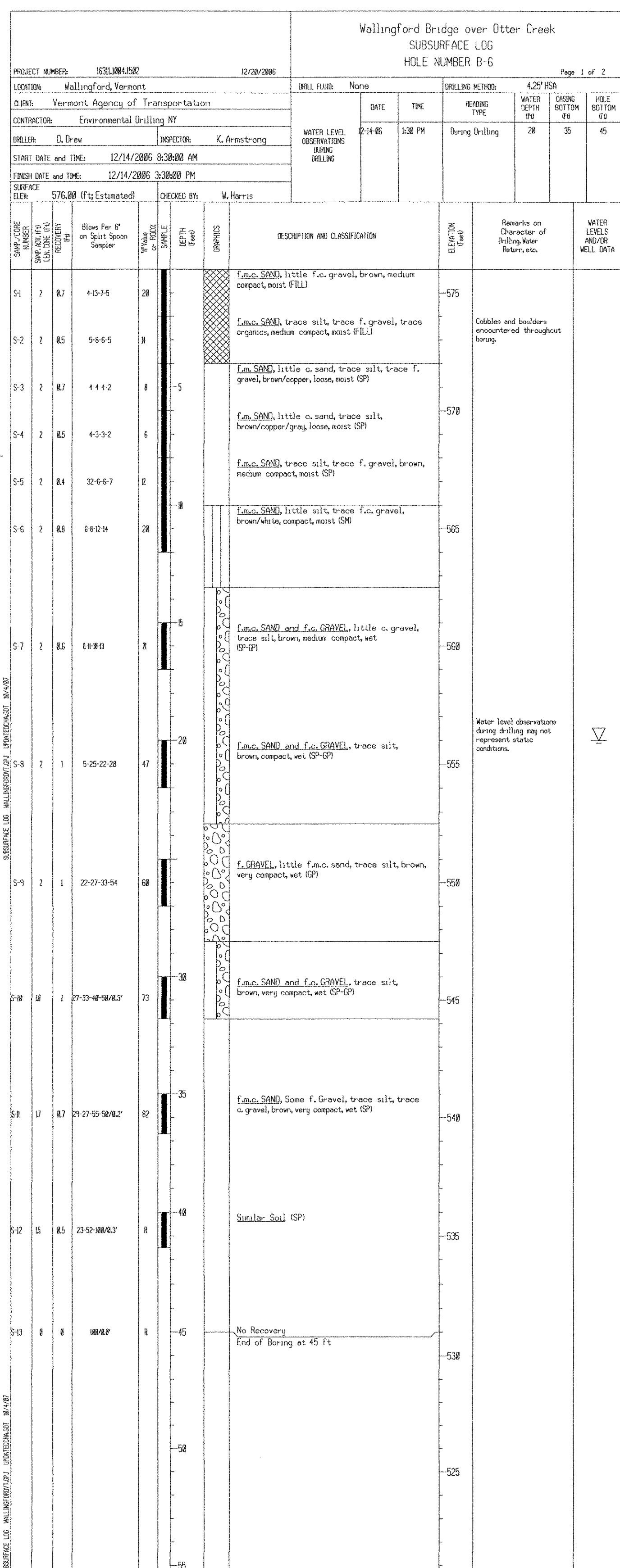
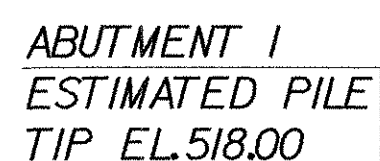
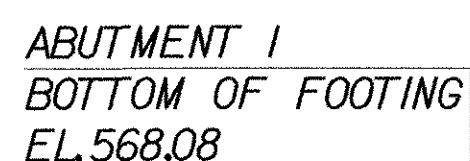
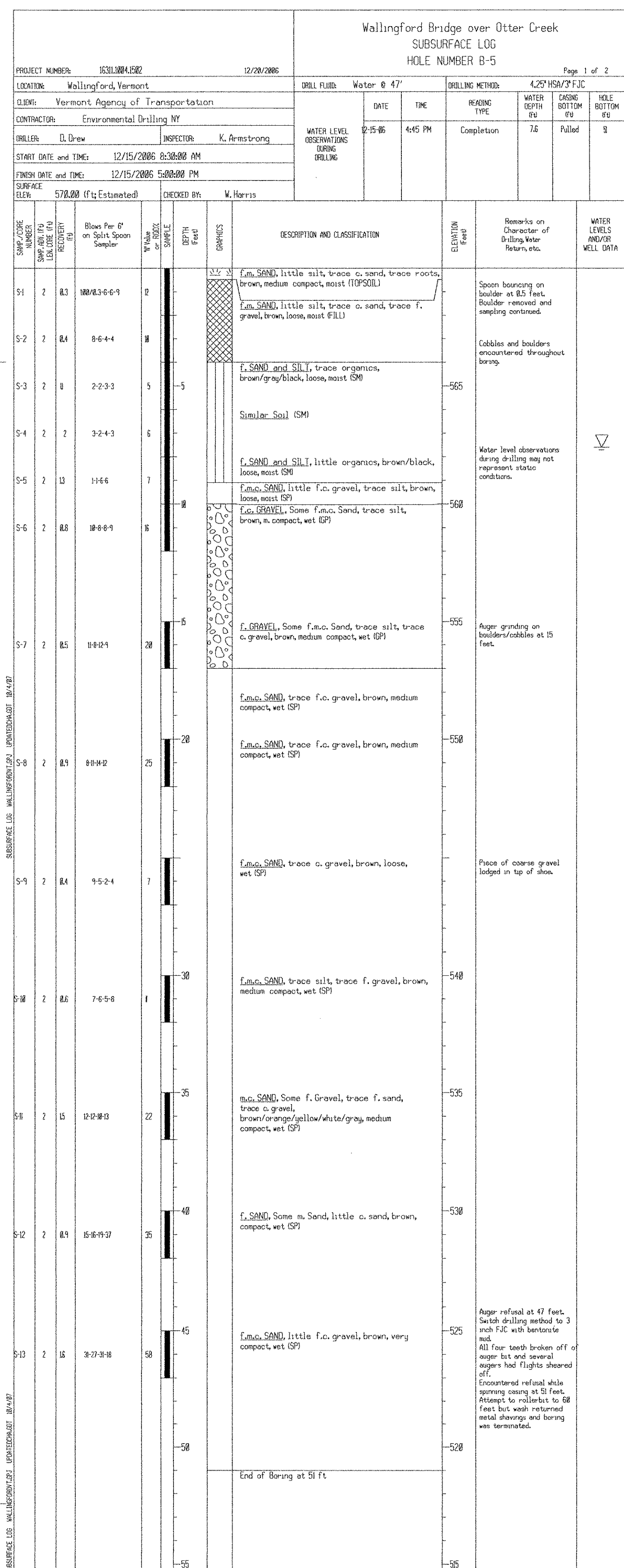
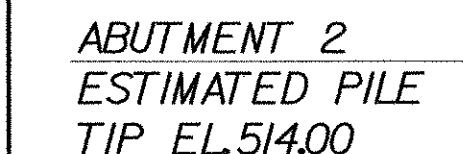
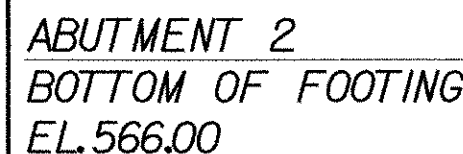


TABLE 1 TYPICAL SAMPLE TYPES	
	SPLIT SPOON (1 3/8" I.D.)
	NX SIZE ROCK CORE
	SHELBY TUBE "UNDISTURBED"
	AUGER SAMPLE

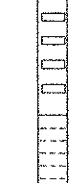
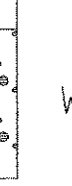
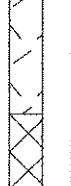
ADJECTIVE	PERCENTAGE OF SAMPLE
"and"	35% - 50%
"some"	20% - 35%
"little"	10% - 20%
"trace"	< 10%

Standard split spoon samples may not recover particles with any dimension larger than 1 3/8". Therefore, reported gravel percentages may not reflect actual conditions.

GRANULAR SOILS		COHESIVE SOILS	
Blows/ft.	Density	Blows/ft.	Consistency
< 5	Very Loose	< 2	Very Soft
5-10	Loose	2-4	Soft
11-30	Med. Compact	5-8	Med. Stiff
31-50	Compact	9-15	Stiff
> 50	Very Compact	16-30	Very Stiff
		> 30	Hard

MAJOR PARTICLE SIZE DIVISION		USCS SYMBOL	GRAPHIC SYMBOL	GENERAL DESCRIPTION
COARSE GRAINED SOILS	GRAVEL Coarse:3"-3/4" Fine:3/4"-#4 Classification based on > 50% being gravel	GW		Well graded gravels, gravel & sand mix.
		GP		Poorly graded gravels, gravel & sand mix.
		GM		Gravel, sand and silt mix.
		GC		Gravel, sand and clay mix.
	SAND Coarse:#4-#10 Med.:#10-#40 Fine:#40-#200 Classification based on > 50% being sand	SW		Well graded sand, sand & gravel mix.
		SP		Poorly graded sand, sand & gravel mix.
		SM		Sand and silt mix.
		SC		Sand and clay mix.
FINE GRAINED SOILS	SILT & CLAY Classification based on > 50% passing #200 sieve.	ML		Inorganic silt, low plasticity.
		CL		Inorganic clay, low plasticity.
		OL		Organic silt/clay, low plasticity.
		MH		Inorganic silt, high plasticity.
		CH		Inorganic clay, high plasticity.
		OH		Organic silt/clay, high plasticity.
ORGANIC SOILS		Pt		Peat and other highly organic soils.
FILL		Fill		Miscellaneous fill materials.

TABLE 5 ROCK CLASSIFICATION TERMS			
HARDNESS:			
Very Soft	Caves		
Soft	Grooves with knife		
Med. Hard	Scratched easily with knife		
Hard	Scratched with difficulty		
Very Hard	Cannot be scratched with knife		
WEATHERING:			
Fresh	Slight or no staining of fractures, little or no discoloration, few fractures.		
Slightly	Fractures stained, discoloration may extend into rock 1', 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 grains, severe loss of strength.		
Complete	Weathered to a residual soil.		
BEDDING:		FRACTURE SPACING:	
Massive	> 40'	Massive/V. Wide	> 6'
Thick	12' - 40'	Thick/Wide	2' - 6'
Medium	4' - 12'	Med./Med.	8' - 24'
Thin	< 4'	Thin/Close	2 1/2' - 8'
		V. Thin/V. Close	< 2 1/2'
		RQD:	
		Excellent	> 90%
		Good	76% - 90%
		Fair	51% - 75%
		Poor	25% - 50%
		V. Poor	< 25%

TABLE 6 WELL CONSTRUCTION	
	SOLID PVC PIPE
	SCREENED PVC PIPE
	STAINLESS STEEL SCREENED PIPE
	FINE GRAINED WASHED SAND
	WASHED SAND
	BENTONITE PLUG
	AIR ENTRAINED CEMENT
	NATURAL SOIL/ ROCK FILL
	BENTONITE/ CEMENT GROUT

BORING LOGS

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

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

PLOT DATE: 1/9/2009
DRAWN BY: W. WEATHERBY
CHECKED BY: P. HALSTEAD
SHEET 15 OF 26

NOTE:

SEE SHT.14 FOR BORING LOCATIONS

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