



**SOIL BORING LOG**

Page 1 of 2  
Date 7/18/02

ROUTE: FAP 95 (ILL 33) DESCRIPTION: Big Salt Creek LOGGED BY: E. Sandzhofer  
SECTION: 7B-1 LOCATION: SW 1/4, SEC. 28, TWP. 8 N, RNG. 9 E, S 27E  
COUNTY: Effingham DRILLING METHOD: Hydraulic Rammer & Split Spoon HAMMER TYPE: Automatic 140#

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE	MOISTURE (%)	LIQUID LIMIT (%)	PLASTICITY INDEX	UNIFIED SOIL CLASSIFICATION	REMARKS
0.0	Surface Water Elev. 523.25 ft							
0.0	Stream Bed Elev. 522.75 ft							
0.0	Groundwater Elev. 523.25 ft							
0.0	First Penetration 523.25 ft							
0.0	Upper Compaction 523.25 ft							
0.0	After 523.25 ft							
0.0	Ground Surface Elev. 523.25 ft							
0.0	Asphalt roadway							
0.0	Rock in sample, no recovery							
0.0	Soil dense, medium CLAY w/ fine SAND							
0.0	Very dense, very moist gray SANDY SILT							
0.0	Very soft, very damp, brown SANDY CLAY							
0.0	Very soft, very dense, gray SANDY LOAM							
0.0	Very loose, wet, brown, medium plastic SAND, 1% passing #200 sieve							
0.0	Silty medium, very damp, gray SANDY LOAM							
0.0								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Range, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D 1586)  
SEE from 137 (Rev. 6-99)



**ROCK CORE LOG**

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Date 7/18/02

ROUTE: FAP 95 (ILL 33) DESCRIPTION: Big Salt Creek LOGGED BY: E. Sandzhofer  
SECTION: 7B-1 LOCATION: SW 1/4, SEC. 28, TWP. 8 N, RNG. 9 E, S 27E  
COUNTY: Effingham CORING METHOD: Rotary, and not described

DEPTH (ft)	ROCK DESCRIPTION	REMARKS
0.0	Gray SANDSTONE	
0.0	Gray CLAY SHALE	
0.0	Gray SANDSTONE w/ thin black coal layers	
0.0	Dark gray CLAY SHALE	
0.0	Extent of exploration	
0.0	Benchmark - TBM #1 Elev 540.25' 18" corner TOC 1.8' from E end of existing structure	

Color pictures of the cores  
Core to be stored for examination until  
The "Strength" column represents the unconfined compressive strength of the core sample (ASTM D 1586)  
SEE from 130 (Rev. 6-99)



**SOIL BORING LOG**

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Date 7/22/02

ROUTE: FAP 95 (ILL 33) DESCRIPTION: Big Salt Creek LOGGED BY: E. Sandzhofer  
SECTION: 7B-1 LOCATION: SW 1/4, SEC. 28, TWP. 8 N, RNG. 9 E, S 27E  
COUNTY: Effingham DRILLING METHOD: Hydraulic Rammer & Split Spoon HAMMER TYPE: Automatic 140#

DEPTH (ft)	SOIL DESCRIPTION	WATER	TEMPERATURE	MOISTURE (%)	LIQUID LIMIT (%)	PLASTICITY INDEX	UNIFIED SOIL CLASSIFICATION	REMARKS
0.0	Surface Water Elev. 523.25 ft							
0.0	Stream Bed Elev. 522.75 ft							
0.0	Groundwater Elev. 523.25 ft							
0.0	First Penetration 523.25 ft							
0.0	Upper Compaction 523.25 ft							
0.0	After 523.25 ft							
0.0	Ground Surface Elev. 523.25 ft							
0.0	Soil very moist to damp, brown SANDY LOAM							Benchmark = TBM #1 Elev 540.25' 18" corner TOC 1.8' from E end of existing structure. Revised by Program Development
0.0	Clay mottling							
0.0	Finest, medium gray w/ light brown SAND, 1% passing #200 sieve							
0.0	1% passing #200 sieve							
0.0	Very loose, wet, gray SAND, 1% passing #200 sieve							
0.0	Soil, wet, gray, SILTY LOAM w/ few small pebbles							
0.0	Very dense, medium gray SANDSTONE							
0.0	Extent of exploration							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Range, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D 1586)  
SEE from 137 (Rev. 6-99)