STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
328	5R, Y, RS-1	CLAY	376	90
STA		TO STA		
	ILLINOIS	US 45		

CONTRACT No 94367

US Route 45 (FAP Rte. 328)
Section 5R, Y, RS-1
Clay County, Ilinois
H-R 12027-0

ATLAS SOILS, INC.
HILLSBORO, ILLINOIS
PHONE 217/532-3959

DATE: October 29, 2000
DRILLING TECH.: M. Hough
BORING ENG.: D. Jenkins

FOUNDATION BORING LOG

BORING NO.: 27
STATION: 1039+70, 50' Rt.
APPROXIMATE ELEV.: 482.1 ft.

GROUNDWATER ELEV. At
COMP.: -11.0 ft.
AFTER 24 HRS.: --

Description	Elev.	N	Qu (tsf)	W (%)	REC (%)
SILTY LOAM (ML), Dark Gray, Moist, Soft	0				
	480.6		B		
CLAY LOAM (CL), Dark Brown and Gray, Moist, Soft		2	0.40	21.9	85
Trace of Sand and Gravel			B		
	5	2	1.01	20.6	95
			B		
		2	0.81	23.1	100
Medium Stiff			B		
	10	4	1.01	17.1	90
	470.6		--		
SILTY CLAY TILL (CL), Brown, Moist, Very Stiff, Trace of Sand and Gravel		29	>6.5	10.2	85
Light Brown and Gray, Hard			--		
	15	33	>6.5	11.7	85
			--		
		35	>6.5	10.4	95
Gray			--		
	20	30	>6.5	11.0	100

Description	Elev.	N	Qu (tsf)	W (%)	REC (%)
	462.1	20			
MUDSTONE, Gray, Moist, Very Stiff					
		23	NP	18.6	90
Hard					
		25	30	NP	17.0	95
	456.1				
SHALE, Gray, Dry, Hard			100/10"	NP	11.8	100
			100/10"	NP	15.3	100
		30				
			100/10"	NP	15.4	100
		35				
			100/5"	NP	17.3	100
	445.9		100/2"	NP	--	100

End of exploration at -36.2 ft.

Notes:
1) Borehole backfilled with soil cuttings upon completion.
2) Shelby Tube No. 27-1 recovered from 5' to 7' depth in adjacent borehole.
3) Approximate creek flowline elevation was 473.8 ft. at time of completion.

N:Blows per ft. to Drive 2" O.D. Split Spoon Sampler 12" with 140 lb. Hammer falling 30" (Standard Penetration Test)

Qu: Unconfined Compression Strength
NP: Non-Plastic
ST: Shelby Tube
W: Water Content

Type Failure:
B: Bulge Failure
S: Shear Failure
NS: No Sample
P: Penetrometer

RQD: Rock Quality Determination

US Route 45 (FAP Rte. 328)
Section 5R, Y, RS-1
Clay County, Ilinois
H-R 12027-0

ATLAS SOILS, INC.
HILLSBORO, ILLINOIS
PHONE 217/532-3959

DATE: October 24, 2000
DRILLING TECH.: M. Hough
BORING ENG.: D. Jenkins

FOUNDATION BORING LOG

BORING NO.: 28
STATION: 1040+50, Centerline
APPROXIMATE ELEV.: 468.3 ft.

GROUNDWATER ELEV. At
COMP.: --
AFTER 24 HRS.: -4.0 ft.

Description	Elev.	N	Qu (tsf)	W (%)	REC (%)
SILTY LOAM (ML), Dark Gray, Moist, Soft	0				
			B		
		2	0.81	19.8	70
	464.3		B		
LOAM (CL-ML), Brown and Gray, Moist, Soft, Trace of Sand	5	2	0.40	22.9	85
			B		
Medium Stiff		6	1.01	21.1	90
Soft			B		
	10	3	0.20	20.9	85
Medium Stiff			B		
		4	0.81	17.9	65
	455.3				
SILTY CLAY TILL (CL), Gray, Moist, Very Stiff, Trace of Sand and Gravel			--		
	15	28	>6.5	10.8	95
			--		
		26	>6.5	10.7	95
			--		
	20	25	>6.5	11.4	95

Description	Elev.	N	Qu (tsf)	W (%)	REC (%)
	20				
			--		
		24	>6.5	11.9	95
	445.3				
SHALE, Dark Gray, Dry, Very Stiff					
	25	25	NP	13.7	100
Hard		100/11"	NP	13.7	100
		100/10"	NP	16.2	100
	30				
		100/11"	NP	16.5	100
		100/5"	NP	15.0	100
	35				
	432.1	100/3"	NP	11.7	100

End of exploration at -36.2 ft.

Notes:
1) Borehole backfilled with soil cutting upon final groundwater measurement.
2) Shelby Tube No. 28-1 recovered from 5' to 7' depth in adjacent borehole.
3) Approximate creek flowline elevation was 473.8 ft. at time of completion.

N:Blows per ft. to Drive 2" O.D. Split Spoon Sampler 12" with 140 lb. Hammer falling 30" (Standard Penetration Test)

Qu: Unconfined Compression Strength
NP: Non-Plastic
ST: Shelby Tube
W: Water Content

Type Failure:
B: Bulge Failure
S: Shear Failure
NS: No Sample
P: Penetrometer

RQD: Rock Quality Determination

SOIL BORING LOGS
FAP 328 (US 45) OVER
TRIB TO LITTLE WABASH
SECTION 5R, Y, RS-1
CLAY COUNTY STA 1040+19.21

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