

BORING #1 (1971)

Boring No.	Station	Offset	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	H	Ch / A.L.	v (%)	Notes
1	1011+75	40' LT. C				528.9 0				LOOSE, WET, BROWN, SAND.
						526.4	19	0.3 S	11	SOFT, VERY DAMP, BROWN, LOAM TO CLAY LOAM WITH SILTY CLAY
						502.9	13	0.3 S	17	DENSE, MIXTURE COARSE SAND AND GRAVEL PARTICLES
						501.9	13			HARD, MOIST, GREY, LIMY SHALE
						498.4	10			*24" PENETRATION FOR 100 BLOWS
						498.4	10			EXTENT OF EXPLORATION
						517.9	19			LOOSE, WET, BROWN, SAND

BORING #2 (1971)

Boring No.	Station	Offset	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	H	Ch / A.L.	v (%)	Notes
2	1012+77	6' LT. C				524.3 0				VERY DENSE, DRY, GREY, SHALE WITH THIN LENSES OF HARD LIMY SANDSTONE
						520.3	30	0.2 B	10	LOOSE, VERY DAMP, BROWN-GREY, FINE SAND
						516.3	20			VERY LOOSE, WET, BROWN-GREY, FINE SAND WITH THIN LENSES OF SOFT WET CLAY TO CLAY LOAM
						513.3	26	0.3 S	5	SOFT, WET, BROWN, CLAY TO CLAY LOAM WITH THIN LENSES OF SAND
						511.3	20			VERY LOOSE, WATER BEARING, BROWN-GREY, SAND WATER ENCOUNTERED AT ELEVATION 511.3
						508.3	16			LOOSE, WET, BROWN-GREY, SAND WITH GRAVEL PARTICLES AND A FEW THIN WET LENSES OF CLAY LOAM
						504.3	8			VERY DENSE, MOIST, GREY, SHALE WITH VERY THIN LENSES OF HARD LIMY SANDSTONE

BORING #3 (1971)

Boring No.	Station	Offset	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	H	Ch / A.L.	v (%)	Notes
3	1017+07	6' W. C				526.3 0				VERY STIFF, WEATHERED, SANDY SHALE
						523.3	23	0.2 S	11	VERY DENSE, DRY, GREY, SHALE WITH THIN LENSES OF LIMY SANDSTONE
						520.8	18	0.3 S	10	SOFT, WET, BROWN, SILTY CLAY LOAM TO CLAY LOAM WITH VERY THIN LENSES OF SAND
						520.8	18			VERY LOOSE, WET, BROWN CHANGING TO DARK GREY WITH DEPTH, SAND TO SANDY LOAM
						497.3	27			EXTENT OF EXPLORATION
						503.8	24			WOOD PARTICLES PRESENT INTERMITTENTLY. WATER ENCOUNTERED AT ELEVATION 515.8

BORING #4 (1971)

Boring No.	Station	Offset	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	H	Ch / A.L.	v (%)	Notes
4	1009+80	6.5' RT. E				538.9 0				VERY LOOSE, WATER BEARING, BROWN, FINE SAND
						535.9	25			EXISTING PAVEMENT, SUB-BASE AND STIFF, DAMP, BROWN, CLAY SUBGRADE
						512.4	31	0.5 BS	3	VERY STIFF, VERY MOIST TO DAMP, BROWN-GREY, CLAY SILL (EXISTING EMBANKMENT)
						510.9	19			LOOSE, WATER BEARING, DARK GREY, SAND WITH SMALL GRAVEL PARTICLES
						507.9	35	0.6 B	9	MEDIUM, VERY DAMP, DARK GREY, SLIGHTLY ORGANIC, CLAY
						505.9	11	4.0B	15	VERY STIFF, MOIST, DARK GREY, SANDY CLAY LOAM WITH 24" THICK LENSES OF SOFT CLAY
						502.9	6			LOOSE, DAMP, DARK GREY, SILTY LOAM WITH THIN LENSES OF CLAY
						523.4	26	0.7 S	7	MEDIUM, DAMP, DARK GREY, CLAY LOAM WITH LENSES OF VERY DAMP SANDY LOAM TO SAND
						520.9	24	0.3 S	5	LOOSE (SOFT) VERY DAMP, DARK GREY, SANDY LOAM WITH VERY THIN LENSES OF CLAY
						517.4	21			VERY LOOSE, WET, BROWN FINE SAND

H - Standard Penetration Test - Blows per foot to drive 2" (3" in Split Spoon Sampler if used) 100% hammer falling 10".

Cu - Unconfined Compressive Strength - 1/d
w - Water Content - percentage of oven dry weight - %

Type failure:
B - Bridge Failure
S - Shear Failure
E - Estimated Value
P - Piezometer

SHEET TITLE		BORING LOGS	
PROJECT	IL RTE. 32/33 OVER LITTLE WABASH RIVER F.A.P. RTE. 774 SECTION 1078Y EFFINGHAM COUNTY STATION 1011+50.17 STRUCTURE NO. 025-0078	PROJECT NO.	02017
SCALE		DATE	
DRAWN BY	CFC	CHECKED BY	CJB/MCB
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703		DRAWING NO.	29
		OF 29	SHTS