

### BORING #1 (1971)

Boring No.	Station	Offset	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	H	Ch / A.L.	w (%)
1	1013+78	40' RT. C				528.9 0			
Ground Surface									
SOFT, VERY DAMP, BROWN, SILTY CLAY LOAM TO SILTY CLAY									
						526.4	5	0.3 S	31
SOFT, VERY DAMP, BROWN, LOAM TO CLAY LOAM WITH THIN LENSES OF FINE SAND									
						522.9	5	0.3 S	17
DENSE, MIXTURE COARSE SAND AND GRAVEL PARTICLES									
						501.9	45		15
HARD, MOIST, GREY, LIMY SHALE									
						498.4	8		10
*24" PENETRATION FOR 100 BLOWS									
EXTENT OF EXPLORATION									
						517.9	5		22
LOOSE, WET, BROWN, SAND									
							5		21
							6		21
							8		22
							12		20

### BORING #2 (1971)

Boring No.	Station	Offset	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	H	Ch / A.L.	w (%)
2	1013+77	6' RT. C				524.3 0			
Ground Surface									
VERY DENSE, DRY, GREY, SHALE WITH THIN LENSES OF HARD LIMY SANDSTONE									
						499.3	23		7
UNABLE TO AUGER BEYOND ELEVATION 499.3. UNABLE TO SEAT SAMPLER AFTER 50 BLOWS									
						520.3	10	0.2 B	30
LOOSE, VERY DAMP, BROWN-GREY, FINE SAND									
						516.3	5		19
VERY LOOSE, WET, BROWN-GREY, FINE SAND WITH THIN LENSES OF SOFT WET CLAY TO CLAY LOAM									
						513.3	5	0.3 E	26
SOFT, WET, BROWN, CLAY TO CLAY LOAM WITH THIN LENSES OF SAND									
						511.3	4		20
VERY LOOSE, WATER BEARING, BROWN-GREY, SAND WATER ENCOUNTERED AT ELEVATION 511.3									
						508.3	9		16
LOOSE, WET, BROWN-GREY, SAND WITH GRAVEL PARTICLES AND A FEW THIN WET LENSES OF CLAY LOAM									
						504.3	9		19
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.	w (%)
3	1017+07	6' RT. C				526.3 0			
Ground Surface									
SOFT, WET, BROWN, SILTY CLAY LOAM TO CLAY LOAM WITH VERY THIN LENSES OF SAND									
						523.3	5	0.3 B	19
VERY LOOSE, WET, BROWN CRANGING TO DARK GREY WITH DEPTH, SAND TO SANDY LOAM									
						520.8	2		26
EXTENT OF EXPLORATION									
						497.3	4		7
WOOD PARTICLES PRESENT INTERMITTENTLY.									
						515.8	1		22
WATER ENCOUNTERED AT ELEVATION 515.8									
						503.8	3		24

### BORING #4 (1971)

Boring No.	Station	Offset	Surface Water El.	Groundwater El. at Completion	After Hours	Elevation	H	Ch / A.L.	w (%)
4	1009+80	6.5' RT. C				538.9 0			
Ground Surface									
EXISTING PAVEMENT, SUB-BASE AND STIFF, DAMP, BROWN, CLAY SUBGRADE									
						535.9	3		25
VERY STIFF, VERY MOIST TO DAMP, BROWN-GREY, CLAY, TILL (EXISTING EMBANKMENT)									
						512.4	2	0.5 BAS	31
SOFT, WET, DARK GREY, CLAY									
						510.9	5		19
DARK GREY, SAND, WITH SMALL GRAVEL PARTICLES									
						507.9	8	0.6 B	35
MEDIUM, VERY DAMP, DARK GREY, SLIGHTLY ORGANIC, CLAY									
						505.9	15	4.0E	11
VERY STIFF, MOIST, DARK GREY, SANDY CLAY LOAM WITH 24" THICK LENSES OF SOFT CLAY									
						502.4	9		6
LOOSE, DAMP, DARK GREY, SILTY LOAM WITH THIN LENSES OF CLAY									
						523.4	7	0.7 S	24
MEDIUM, DAMP, DARK GREY, CLAY LOAM WITH LENSES OF VERY DAMP SANDY LOAM TO SAND									
						520.9	5	0.3 S	24
LOOSE (SOFT) VERY DAMP, DARK GREY, SANDY LOAM WITH VERY THIN LENSES OF CLAY									
						517.4	5		21
VERY LOOSE, WET, BROWN FINE SAND									

H - Standard Penetration Test - Blows per foot to drive 2" S.P. Split Spoon Sampler 12" dia. 140# hammer falling 30".  
 Ch - Unconfined Compressive Strength - 1/d  
 w - Water Content - percentage of oven dry weight - %  
 Type failure:  
 B - Bridge Failure  
 S - Shear Failure  
 E - Estimated Value  
 F - Penetration

SHEET TITLE		
BORING LOGS		
PROJECT	PROJECT NO.	
IL RTE. 32/33 OVER LITTLE WABASH RIVER	02017	
F.A.P. RTE. 774 SECTION 107BY	SCALE	
EFFINGHAM COUNTY	DATE	
STATION 1011+50.17	DRAWN BY	CFC
STRUCTURE NO. 025-0078	CHECKED BY	CJB/MCB
COOMBE-BLOXDORF P.C.		DRAWING NO.
Engineers / Land Surveyors		29
Springfield, Illinois		
Design Firm License No. 184-002703		OF 29 SHTS