

Boring #1 (1971)

Boring No. 1 N. ABUT.		Surface Water El.		Groundwater El. at Completion		After 24 Hours	
Elevation	N	Qu / f / c	w (%)	Elevation	N	Qu / f / c	w (%)
539.0 0				516.0			
Ground Surface							
EXISTING PAVEMENT, SUB-BASE AND STIFF DAMP, BROWN CLAY SUBGRADE							
536.0				514.0 25			
STIFF, DAMP, MOTTLED BROWN & GREY, CLAY TILL WITH TRACES OF SAND LENSES AND FRAGMENTS OF WEATHERED SANDSTONE							
531.0				509.0 -30			
MIXTURE OF VERY MOIST VERY FINE SAND AND FRAGMENTS OF WEATHERED SANDSTONE							
529.0 -10				507.0			
MEDIUM, VERY DAMP, BROWN-GREY, CLAY LOAM TO CLAY (ORGANIC) WITH THIN LENSES OF SAND AND TRACES OF WEATHERED SANDSTONE							
523.0				502.5 ***			
STIFF, MOIST, GREY, LOAM TO SANDY LOAM WITH LENSES OF GREY SAND							
521.0							
MEDIUM, VERY DAMP, GREY SILTY CLAY LOAM TO CLAY LOAM							
518.5							
SOFT, VERY DAMP, GREY, CLAY LOAM WITH 2" THICK LENSES OF RED SAND & VERY THIN LENSES OF SILTY LOAM							

Boring #2 (1971)

Boring No. 2 PIER 2		Surface Water El.		Groundwater El. at Completion		After 24 Hours	
Elevation	N	Qu / f / c	w (%)	Elevation	N	Qu / f / c	w (%)
520.30				522.0			
Ground Surface							
SOFT, WET, BROWN, LOAM TO CLAY LOAM WITH THIN LENSES OF WET SAND							
514.8							
VERY LOOSE, WATER BEARING, BROWN - ORANGE, FINE SAND							
512.3							
VERY LOOSE, WET, BROWN-GREY, SANDY LOAM							
509.8							
VERY DENSE, MOIST, LIGHT GREY, SANDSTONE							
508.8							
VERY DENSE, DRY, GREY, SHALE WITH THIN LENSES OF HARD SANDSTONE							
503.8 ***							
EXTENT OF EXPLORATION							
* 14" PENETRATION FOR 100 BLOWS							
**24" PENETRATION FOR 100 BLOWS							
***3" PENETRATION FOR 100 BLOWS							

Boring #3 (1971)

Boring No. 3 PIER 1		Surface Water El.		Groundwater El. at Completion		After 24 Hours	
Elevation	N	Qu / f / c	w (%)	Elevation	N	Qu / f / c	w (%)
521.80				522.0			
Ground Surface							
SOFT TO VERY SOFT, WET, BROWN MOTTLED GREY, CLAY							
515.8							
SOFT, WET, CLAY LOAM TO CLAY WITH THIN LENSES OF SAND							
512.3							
VERY LOOSE, WATER BEARING, BROWN-GREY, SAND							
510.3							
VERY DENSE, DRY, GREY, SHALE WITH THIN LENSES OF HARD SANDSTONE							
502.8							
EXTENT OF EXPLORATION							
* 1" PENETRATION FOR 100 BLOWS							
**24" PENETRATION FOR 100 BLOWS							

Boring #4 (1971)

Boring No. 4 S. ABUT.		Surface Water El.		Groundwater El. at Completion		After 24 Hours	
Elevation	N	Qu / f / c	w (%)	Elevation	N	Qu / f / c	w (%)
525.00				525.0			
Ground Surface							
MEDIUM, VERY DAMP, BROWN MARBLED GREY, SILTY CLAY TO CLAY WITH THIN LENSES OF SAND							
522.0							
MEDIUM, VERY DAMP, CLAY LOAM TO SANDY CLAY LOAM WITH LENSES OF SAND & PIECES OF WEATHERED SANDSTONE							
517.0							
SOFT, VERY DAMP, GREY, CLAY LOAM TO CLAY WITH NUMEROUS PIECES OF WEATHERED SANDSTONE							
515.0							
LOOSE, VERY DAMP, GREY, SLIGHTLY ORGANIC, SAND WITH LENSES OF CLAY							
513.0							
VERY DENSE, MOIST, LIGHT GREY, WEATHERED SANDSTONE							
508.5 **							
EXTENT OF EXPLORATION							

N - Standard Penetration Test
 Qu - Unconfined Compressive Strength - $\frac{lb}{in^2}$
 f - Split Spoon Sample 12" with 140# hammer falling 30"
 c - Type failure
 B - Dilatancy Failure
 S - Shear Failure
 E - Estimated Value
 P - Permeometer
 w - Water Content - percentage of oven dry weight - %

SHEET TITLE		
BORING LOGS		
PROJECT	IL RTE. 32/33 OVER LITTLE WABASH RIVER OVERFLOW F.A.P. RTE. 774 SECTION 107BY-1 EFFINGHAM COUNTY STATION 1018+86.92 STRUCTURE NO. 025-0077	PROJECT NO. 02017
SCALE		DATE
DRAWN BY	CFC	CHECKED BY
DRAWING NO.		KPS/CME/MCB
COOMBE-BLOXDORF P.C. Engineers / Land Surveyors Springfield, Illinois Design Firm License No. 184-002703		26 OF 26 SHTS