CONTRACT NO. 63023

Engineering Enterprises, Inc	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	06-00017-00-PV	KANE	232	170
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN | DATE | BY
SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT. OF WAY CHECKED | CADD FILE NAME

LOG OF BORING NO. 1

Page 1 of 1

CLIENT: Engineering Enterprises Inc
SITE: Sugar Grove, Illinois
PROJECT: Proposed Municipal Drive & Galena Blvd. Extension

Approx. Surface Elev.: 702.68 ft

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N "BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	0.7 Approx. 8" Asphalt 702				PA					
	1.3 Approx. 8" Gravel Base 701.5			1	SS	10	4	6		
	FILL: SILTY FINE TO COARSE SAND, TRACE GRAVEL, dark brown				PA					
	3.5 699		CL/CH	2	SS	10	8	25		8000*
	LEAN TO FAT CLAY, TRACE SAND, grayish brown, with dark brown mottling, very stiff	5			PA					
	5.5 697		ML	3	SS	8	5	17		
	SILT, WITH SAND, TRACE GRAVEL, light brown, loose				PA					
	7.5 695		CL-ML	4	SS	10	8	10		3000*
	SANDY SILTY CLAY, WITH GRAVEL, grayish brown, stiff	10								
	10 692.5 BOTTOM OF BORING									

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
*Calibrated Hand Penetrometer
**140 Lbs Automatic SPT Hammer

WATER LEVEL OBSERVATIONS, ft
WL ▽ None WS ▼ None AB
WL ▽ WL ▼
WL

Terracon

BORING STARTED 4-11-07
BORING COMPLETED 4-11-07
RIG 68 FOREMAN CJ
APPROVED KND JOB # 11075049

LOG OF BORING NO. 2

Page 1 of 1

CLIENT: Engineering Enterprises Inc
SITE: Sugar Grove, Illinois
PROJECT: Proposed Municipal Drive & Galena Blvd. Extension

Approx. Surface Elev.: 703.24 ft

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N "BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	0.7 Approx. 8" Topsoil 702.5				PA					
	FILL: LEAN TO FAT CLAY, TRACE SAND AND ORGANICS, dark brown			1	SS	6	7	28		
	Sample 1: occasional concrete fragments.				PA					
	3.5 699.5		CL	2	SS	8	10	18		3500*
	LEAN CLAY, TRACE SAND AND GRAVEL, brown, stiff	5			PA					
	5 698		CL-ML	3	SS	10	11	13		4000*
	SANDY SILTY CLAY, WITH GRAVEL, brown, stiff				PA					
	8 695 ▽		SP	4	SS	8	9	20		
	FINE TO MEDIUM SAND, TRACE GRAVEL AND SILT, brown, loose ▽	10			PA					
	14 689		SC-SM	5	SS	10	9	11		
	SILTY CLAYEY SAND, TRACE GRAVEL, brown, loose	15			PA					
	20 683		SC-SM	6	SS	10	7	12		
	BOTTOM OF BORING	20								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
*Calibrated Hand Penetrometer
**140 Lbs Automatic SPT Hammer

WATER LEVEL OBSERVATIONS, ft
WL ▽ 9 WS ▼ 8 AB
WL ▽ WL ▼
WL

Terracon

BORING STARTED 4-11-07
BORING COMPLETED 4-11-07
RIG 68 FOREMAN CJ
APPROVED KND JOB # 11075049

LOG OF BORING NO. 3

Page 1 of 1

CLIENT: Engineering Enterprises Inc
SITE: Sugar Grove, Illinois
PROJECT: Proposed Municipal Drive & Galena Blvd. Extension

Approx. Surface Elev.: 704.11 ft

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N "BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf	ATTERBERG LIMITS, %
	0.4 Approx. 5" Topsoil 703.5				PA						
	LEAN TO FAT CLAY, TRACE SAND, grayish brown; trace dark brown mottling, stiff		CL/CH	1	SS	10	6	29		3000*	
	3 701				PA						
	LEAN CLAY, WITH SAND, TRACE GRAVEL, brown, trace gray, medium stiff		CL	2	SS	8	8	26		2000*	LL=42
	Sample 2: occasional decomposed gravel	5			PA						PI=26
	5.5 698.5		CL/CH	3	SS	10	7	28		1500*	
	LEAN TO FAT CLAY, TRACE SAND, grayish brown and gray, medium stiff				PA						
	7.5 696.5		ML	4	SS	9	6	18			
	SANDY SILT, WITH CLAY, brown, loose	10									
	10 694 BOTTOM OF BORING										

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
*Calibrated Hand Penetrometer
**140 Lbs Automatic SPT Hammer

WATER LEVEL OBSERVATIONS, ft
WL ▽ None WS ▼ None AB
WL ▽ WL ▼
WL

Terracon

BORING STARTED 4-11-07
BORING COMPLETED 4-11-07
RIG 68 FOREMAN CJ
APPROVED KND JOB # 11075049

PROFILE | DATE | BY
SURVEYED | PLOTTED | GRADES CHECKED | STRUCTURE NOTATNS CHKD | NOTE BOOK | NO. | SIGNATURE

LOG OF BORING NO. 4

Page 1 of 1

CLIENT: Engineering Enterprises Inc
SITE: Sugar Grove, Illinois
PROJECT: Proposed Municipal Drive & Galena Blvd. Extension

Approx. Surface Elev.: 711.16 ft

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N "BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	0.7 Approx. 8" Topsoil 710.5				PA					
	LEAN TO FAT CLAY, TRACE SAND, brown, trace dark brown mottling, medium stiff		CL/CH	1	SS	6	6	24		2000*
	3.5 707.5				PA					
	SANDY SILTY CLAY, TRACE GRAVEL, brown, soft		CL-ML	2	SS	10	8	18		
		5			PA					
			CL-ML	3	SS	9	5	15		
					PA					
			CL-ML	4	SS	12	6	12		
	10 701 BOTTOM OF BORING	10								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
*Calibrated Hand Penetrometer
**140 Lbs Automatic SPT Hammer

WATER LEVEL OBSERVATIONS, ft
WL ▽ None WS ▼ None AB
WL ▽ WL ▼
WL

Terracon

BORING STARTED 4-11-07
BORING COMPLETED 4-11-07
RIG 68 FOREMAN CJ
APPROVED KND JOB # 11075049

LOG OF BORING NO. 5

Page 1 of 1

CLIENT: Engineering Enterprises Inc
SITE: Sugar Grove, Illinois
PROJECT: Proposed Municipal Drive & Galena Blvd. Extension

Approx. Surface Elev.: 705.10 ft

GRAPHIC LOG	DESCRIPTION	DEPTH, ft.	USCS SYMBOL	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES RECOVERY, in.	SAMPLES SPT - N "BLOWS / ft.	TESTS WATER CONTENT, %	TESTS DRY UNIT WT pcf	TESTS UNCONFINED STRENGTH, psf
	0.5 Approx. 6" Topsoil 704.5				PA					
	LEAN TO FAT CLAY, TRACE SAND, grayish brown; trace dark brown mottling, stiff		CL/CH	1	SS	6	9	26		3000*
	3 702				PA					
	SANDY LEAN CLAY, TRACE GRAVEL, brown and gray, medium stiff		CL/SC	2	SS	10	6	19		1500*
	Sample 2: occasional decomposed sand and gravel	5			PA					
	6 699		CL/CH	3	SS	8	7	27		1500*
	LEAN TO FAT CLAY, TRACE SAND AND GRAVEL, brown and gray, medium stiff				PA					
	8 697 ▽									
	SANDY SILTY CLAY, WITH GRAVEL, grayish brown, soft ▽		CL-ML	4	SS	12	7	12		1000*
	10 695 BOTTOM OF BORING	10								

The stratification lines represent the approximate boundary lines between soil and rock types: in-situ, the transition may be gradual.
*Calibrated Hand Penetrometer
**140 Lbs Automatic SPT Hammer

WATER LEVEL OBSERVATIONS, ft
WL ▽ 9 WS ▼ 8 AB
WL ▽ WL ▼
WL

Terracon

BORING STARTED 4-11-07
BORING COMPLETED 4-11-07
RIG 68 FOREMAN CJ
APPROVED KND JOB # 11075049

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS

SCALE: 1" = 300' DRAWN BY: KKP
DATE: 02/07/08 CHECKED BY: WBR

Plotted: May 27, 2008 @ 4:16 PM By: Terri Seidler-Johnson — Tab: 170 SB LOG (22x34)

Path: H:\SBSKPROJ\560546\DWG\560732\DWG FINAL ENG\CONTRACT BY\B-560546-SOILBORE