CONTRACT NO. 63023

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	06-00017-00-PV	KANE	232	172
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — DATE / BY: SURVEYED, PLOTTED, ALIGNMENT CHECKED, PT. OF WAY CHECKED, CADD FILE NAME, NOTE BOOK, NO.

LOG OF BORING NO. 24

Page 1 of 1

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

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
Approx. Surface Elev.: 703.81 ft									
Approx. 8" Topsoil (703)	0.7			PA					
LEAN TO FAT CLAY, TRACE SAND, gray; trace brown; trace dark brown mottling, stiff		CL/CH	1	SS	6	8	29		2500*
	4			PA					
SILTY CLAY, WITH SAND AND GRAVEL, brownish gray and white, soft (699.5)	5.5	CL-ML	2	SS	5	10	24		500*
	5			PA					
LEAN CLAY, TRACE SAND AND GRAVEL, gray, medium stiff		CL	3	SS	6	11	27		2000*
	8			PA					
CLAYEY FINE TO MEDIUM SAND, WITH GRAVEL, gray, loose, wet (694)	10	SC	4	SS	10	5	19		
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 ▽ 9 WS ▼ 8 AB; 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. 25

Page 1 of 1

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

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
Approx. Surface Elev.: 706.21 ft										
Approx. 14" Topsoil (705)	1.2			PA						
LEAN TO FAT CLAY, TRACE SAND, gray, trace brown, stiff		CL/CH	1	SS	6	8	32		2600*	
	3			PA						
LEAN CLAY, TRACE SAND AND GRAVEL, brown and gray, stiff (703)		CL	2	SS	9	7	17		3000*	LL=25 PI=9
Sample 3: with sand				PA						
		CL	3	SS	9	5	22		4000*	
SANDY LEAN CLAY, WITH SAND AND SILT SEAMS, gray, stiff (699)	7			PA						
		CL/SC	4	SS	8	8	16		3000*	
BOTTOM OF BORING (696)	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 ▽ 4 WS ▼ 6 AB; 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. 26

Page 1 of 1

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

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
Approx. Surface Elev.: 707.17 ft									
Approx. 7" Topsoil (706.5)	0.6			PA					
LEAN TO FAT CLAY, TRACE SAND, gray; trace brown, stiff		CL/CH	1	SS	7	6	29		3500*
	3			PA					
LEAN CLAY, TRACE SAND, gray, trace brown, medium stiff (704)		CL	2	SS	8	6	28		2000*
	5			PA					
	6	CL	3	SS	6	7	24		
SANDY LEAN CLAY, TRACE GRAVEL, brown and gray, soft to stiff (701)		CL/SC							500*
				PA					
turning gray		CL/SC	4	SS	6	8	15		3000*
BOTTOM OF BORING (697)	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 ▽ 6 WS ▼ 6 AB; 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, STA. MATCHED, NOTATNS CHKD, STRUCTURE, NOTE BOOK, NO.

LOG OF BORING NO. 27

Page 1 of 1

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

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
Approx. Surface Elev.: 709.99 ft									
Approx. 8" Topsoil (709.5)	0.7			PA					
LEAN CLAY, TRACE SAND AND GRAVEL, brown; trace gray; medium stiff to stiff		CL	1	SS	9	5	17		2000*
				PA					
		CL	2	SS	8	9	19		4000*
Sample 3: with rust brown stains.	5			PA					
		CL	3	SS	10	7	21		2000*
	9			PA					
CLAYEY FINE TO MEDIUM SAND, grayish brown, loose, wet (701)		SC	4	SS	8	6	20		
BOTTOM OF BORING (700)	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 ▼ 9 AB; 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. 28

Page 1 of 1

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

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
Approx. Surface Elev.: 709.65 ft									
Approx. 6" Topsoil (709)	0.5			PA					
LEAN TO FAT CLAY, TRACE SAND AND GRAVEL, brown gray, trace dark brown mottling, stiff		CL/CH	1	SS	10	7	25		3000*
	3			PA					
LEAN CLAY, TRACE SAND AND GRAVEL, brown and gray, stiff to medium stiff (708.5)		CL	2	SS	8	5	22		4000*
	5			PA					
		CL	3	SS	8	8	17		3000*
				PA					
grayish brown		CL	4	SS	9	6	15		2000*
BOTTOM OF BORING (699.5)	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 ▼ 9 AB; 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 @ 4:13 PM By: Terri Seidler-Johnson — Tab: 172 SB LOG (22x34)

Path: H:\SDSI\PROJ\SJ05346\DWG\SJ07732\DWG FINAL ENG\CONTRACT B\E-SJ05346-SOILBORE