CONTRACT NO. 63023

Engineering Enterprises, Inc.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	N/A	06-00017-00-PV	KANE	232	171
	STA.	TO STA.			
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

PLAN — DATE | BY | SURVEYED | PLOTTED | GRADES CHECKED | AUGMENT CHECKED | RT. OF WAY CHECKED | NOTE BOOK | NO. | DGN FILE NAME

PROFILE — DATE | BY | SURVEYED | PLOTTED | GRADES CHECKED | NOTE BOOK | NO. | STA. NO. SITE | STRUCTURE NO. | PLOTTING CHKD

LOG OF BORING NO. 6

Page 1 of 1

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

Approx. Surface Elev.: 706.68 ft

DESCRIPTION	Depth, ft.	USCS Symbol	Number	Type	Recovery, in.	SPT - N "Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf
Approx. 8" Topsoil (Possible Fill)	0.7 / 705			PA					
POSSIBLE FILL: LEAN TO FAT CLAY, TRACE SAND AND GRAVEL, brown. Sample 1: occasional topsoil pockets.	1.5 / 705	CL/SC	1	SS	6	7	28		3000*
SANDY LEAN CLAY, TRACE GRAVEL, brown, medium stiff				PA					
		CL/SC	2	SS	8	8	24		2000*
	5			PA					
		CL/SC	3	SS	7	4	20		2000*
	8 / 698.5			PA					
CLAYEY FINE TO MEDIUM SAND, WITH GRAVEL, gray and brown, loose, wet	10 / 696.5	SC	4	SS	8	8	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

Terracon

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

LOG OF BORING NO. 7

Page 1 of 1

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

Approx. Surface Elev.: 707.39 ft

DESCRIPTION	Depth, ft.	USCS Symbol	Number	Type	Recovery, in.	SPT - N "Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf
Approx. 8" Topsoil	0.7 / 706.5			PA					
LEAN TO FAT CLAY, TRACE SAND, dark brown, medium stiff	3 / 704.5	CL/CH	1	SS	8	9	28		2000*
LEAN TO FAT CLAY, TRACE SAND AND GRAVEL, brown, medium stiff	5 / 702.5	CL/CH	2	SS	9	8	32		1500*
SANDY LEAN CLAY, TRACE GRAVEL, brown and gray. Sample 3: with decomposed sand and gravel, disturbed sample.		CL/SC	3	SS	8	8	16		
	9 / 698.5			PA					
CLAYEY FINE TO MEDIUM SAND, WITH GRAVEL, gray, trace brown, loose	10 / 697.5	SC	4	SS	9	7	17		
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 9 AB

Terracon

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

LOG OF BORING NO. 8

Page 1 of 1

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

Approx. Surface Elev.: 712.14 ft

DESCRIPTION	Depth, ft.	USCS Symbol	Number	Type	Recovery, in.	SPT - N "Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf
Approx. 9" Topsoil	0.8 / 711.6			PA					
LEAN CLAY, TRACE SAND, brown, medium stiff	3 / 709	CL	1	SS	8	6	31		2000*
LEAN TO FAT CLAY, TRACE SAND, brown, stiff	5 / 707			PA					
		CL/CH	2	SS	9	9	29		2500*
SILTY CLAY, TRACE SAND, brown, medium stiff				PA					
		CL-ML	3	SS	8	8	26		2000*
Sample 4: with sand, trace gravel, wet, disturbed.				PA					
	10 / 702	CL-ML	4	SS	9	11	26		
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 9 AB

Terracon

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

LOG OF BORING NO. 22

Page 1 of 1

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

Approx. Surface Elev.: 706.48 ft

DESCRIPTION	Depth, ft.	USCS Symbol	Number	Type	Recovery, in.	SPT - N "Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf
Approx. 16" Asphalt	1.3 / 705			PA					
Approx. 3" Gravel	1.6 / 705		1	SS	9	8	6		
FILL: SILTY FINE TO COARSE SAND, WITH GRAVEL, dark gray/dark brown	3.2 / 704.6			PA					
FILL: LEAN CLAY AND LEAN TO FAT CLAY, TRACE SAND, brown and dark brown	5 / 701.5		2	SS	8	7	20		
BURIED TOPSOIL: LEAN TO FAT CLAY, WITH ORGANICS, TRACE SAND, dark brown/black	6 / 700.5			PA					
LEAN TO FAT CLAY, TRACE SAND, dark gray, medium stiff	7 / 699.5	CL/CH	3	SS	8	6	31		2000*
SANDY SILTY CLAY, WITH GRAVEL, brown, soft				PA					
	10 / 696.5	CL-ML	4	SS	12	5	15		1000*
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 9 AB

Terracon

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

LOG OF BORING NO. 23

Page 1 of 1

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

Approx. Surface Elev.: 708.02 ft

DESCRIPTION	Depth, ft.	USCS Symbol	Number	Type	Recovery, in.	SPT - N "Blows / ft.	Water Content, %	Dry Unit Wt pcf	Unconfined Strength, psf
Approx. 16" Asphalt	1.3 / 706.5			PA					
Approx. 3" Gravel	1.5 / 706.5		1	SS	5	24	11		
FILL: LEAN CLAY AND LEAN TO FAT CLAY, TRACE SAND AND ORGANICS, dark brown and dark gray				PA					
	5 / 703		2	SS	8	9	26		
BURIED TOPSOIL: LEAN TO FAT CLAY, WITH ORGANICS, TRACE SAND, dark brown/black				PA					
	5.5 / 696.5		3	SS	8	7	32		
SANDY SILTY CLAY, TRACE GRAVEL, brown, stiff, wet				PA					
	10 / 698	CL-ML	4	SS	9	9	13		2500*
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 8 WS 8 AB

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 @ 4:14 PM By: Terri Seidler-Johnson — Tab: 171 SB LOG (22x34)

Path: H:\SDSKPROJ\SG06546\DWG\SG0732\DWG FINAL ENG\CONTRACT B\B-SG06546-SOILBORE