



# Illinois Department of Transportation

2300 South Dirksen Parkway / Springfield, Illinois / 62764

September 3, 2009

SUBJECT: FAU Route 1503 (Indian Trail Road)  
Project No. M-HPP-4085(007)  
Section 08-00260-01-PV (Aurora)  
Kane County  
Contract No. 63095  
Item 139  
Addendum B  
September 18, 2009 Letting

## TO PROSPECTIVE BIDDERS:

To clarify information it is necessary to revise the following:

### PROPOSAL:

1. Remove the first page of the Table of Contents and replace it with the attached revised page, adding Soil Borings.
2. Remove page 2 of the Special Provisions and replace it with the attached revised page 2.
3. Add the attached Soil Borings, pages 3a through 3t.

Prime contractors must utilize the enclosed material when preparing their bid and must include any Schedule of Prices changes in their bidding proposal. Bidders using computer-generated bids are cautioned to reflect any and all Schedule of Prices changes, if involved, into their computer programs.

Since the proposal sheets are printed back to back, bidders are cautioned to exercise care when inserting revised and/or added special provisions into their proposals.

Please call 217-782-7806 if any of the above-described material is not included in this transmittal.

Very truly yours,

Eric Harm  
Interim Engineer of Design  
and Environment

A handwritten signature in black ink, appearing to read 'Ted B. Walschleger' with a small 'P.E.' to the right.

By: Ted B. Walschleger, P. E.  
Engineer of Project Management

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\* Added 9-3-09

**Existing Utilities**

Existing utilities are shown on the General Notes in plans according to information obtained from utility companies, municipalities, and surveys. The City does not guarantee the accuracy or completeness of this information. The Contractor shall notify J.U.L.I.E. at 800-892-1234 for utility locations at least seventy-two (72) hours prior to the construction start.

**Maintenance of Roadways**

Effective: September 30, 1985

Revised: November 1, 1996

Beginning on the date that the Contractor begins work on this project, he shall assume responsibility for normal maintenance of all existing roadways within the limits of the improvement. This normal maintenance shall include all repair work deemed necessary by the Engineer, but shall not include snow removal operations. Traffic control and protection for maintenance of roadways will be provided by the Contractor as required by these special provisions, plans, and Engineer.

If items of work have not been provided for in the contract, or otherwise specified for payment, such items, including the accompanying traffic control and protection required by the Engineer, will be paid for in accordance with Article 109.04 of the Standard Specifications.

**Completion Date**

Effective: September 30, 1985

Revised: January 1, 2007

Revise Article 108.05 (b) of the Standard Specifications as follows:

\*The final completion date for all work and ready for final payment shall be **November 20, 2010.**"

Article 108.09 for "Failure to Complete the Work on Time", shall apply to this contract.

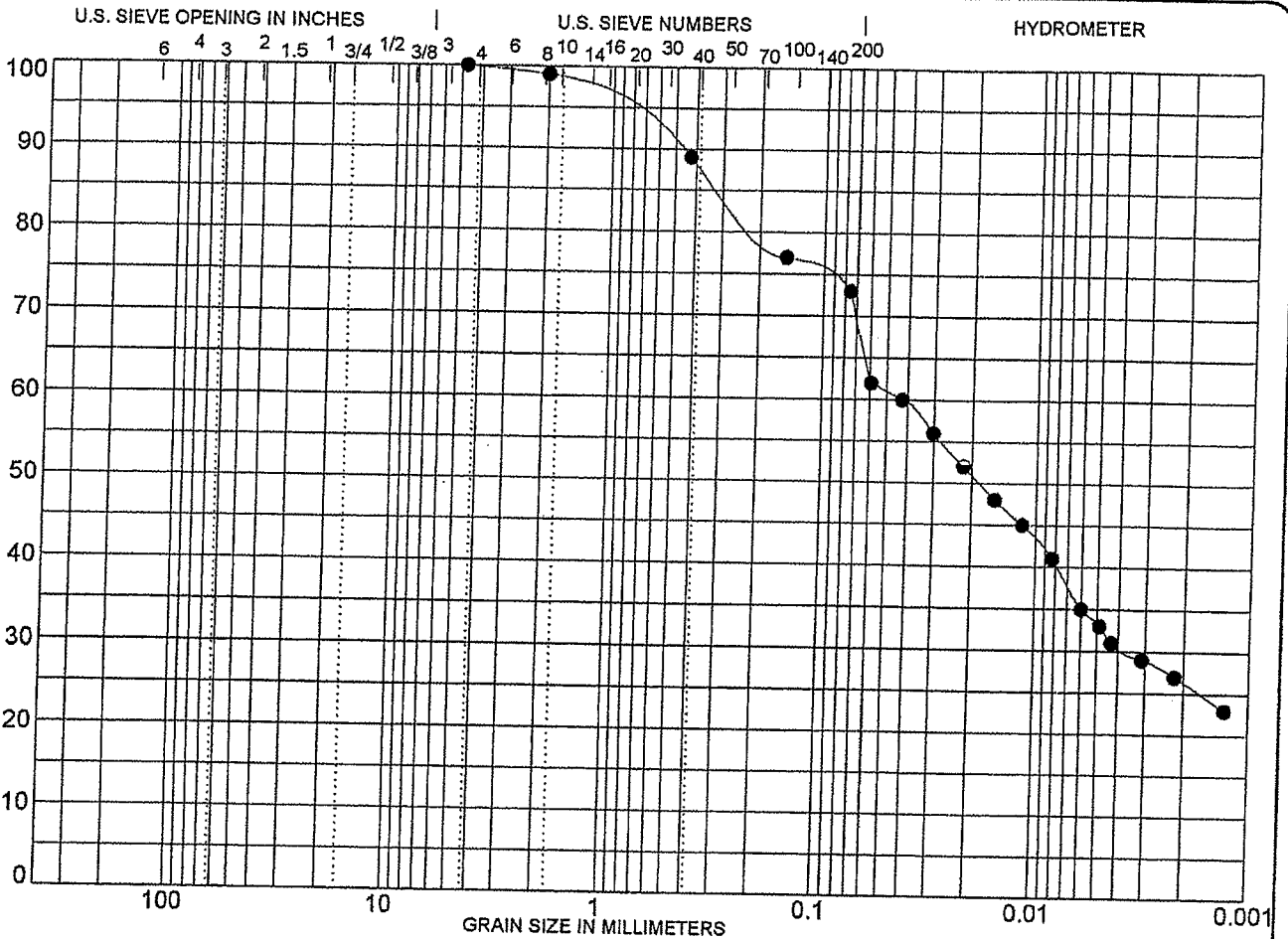
\*Revised 9-3-09

**FAU Route 1503 (Indian Trail Road)**  
**RECONSTRUCTION AND SIGNALIZATION**  
**BETWEEN CHURCH ROAD AND FARNSWORTH AVE**  
**Project M-HPP-4085 (007)**  
**Section 08-00260-01-PV (Aurora)**  
**Kane County**  
**Contract No. 63095**

BORING NAME	SOIL BORING REFERENCE STA O/S FROM PRE-DESIGN EXISTING CL	STA O/S PHASE II PLAN ALIGNMENT
<b>INDAIN TRAIL</b>		
BORING NO. 4	83+98.13; 17.85'RT	27+63.53; 25.44'RT
BORING NO. 5	86+98.14; 21.07'LT	30+63.57; 13.21'LT
BORING NO. 6	89+98.13; 17.02'RT	33+63.53; 25.14'RT
BORING NO. 7	92+98.14; 24+90'LT	36+63.58; 16.51'LT
BORING NO.8	95+98.12; 29.19'RT	39+63.52; 37.84'RT
BORING NO. 9	98+98.14; 20.73'LT	42+63.57; 11.81'LT
BORING NO. 10	101+98.12; 37.55'LT	45+62.25; 34.07'LT
BORING NO. 11	104+98.09; 17.55'RT	48+63.93; 10.60'RT
BORING NO. 12	107+98.09; 30.48'LT	51+64.42; 25.92'LT
BORING NO. 13	110+98.13; 32.40'LT	54+64.48; 28.38'LT
BORING NO. 14	114+06.13; 36.31'LT	57+71.96; 32.42'LT
BORING NO. 15	116+98.12; 29.77'RT	60+64.49; 29.97'RT
BORING NO. 16	119+98.13; 20.14'LT	63+64.49; 20.03'LT
BORING NO. 17	122+98.12; 31.94'RT	66+64.49; 31.98'RT
BORING NO. 18	129+98.14; 36.86'LT	73+64.49; 36.98'LT

3a.

Added 9-3-09



AASHTO	GRAVEL	SAND		SILT	CLAY
		coarse	fine		

**SPECIMEN IDENTIFICATION**

Boring: 17					A	B
Depth: 1.0'-3.0'					Molded Moist %	15.1 -
					Compaction %	100.3 -
<b>CLASSIFICATION</b>			<b>SIEVE</b>	<b>% PASS</b>	Swell %	
HRB & GROUP INDEX :		A-6(14)	3 inch	100	Soaked: Surface %	
GRAIN SIZE :		CLAY LOAM	2	100	: Center %	
UNIFIED :		CL	1 1/2	100		
%GRAVEL	%SAND	%SILT	%CLAY			
0	27	47	26	3/4		
Atterberg Limits				3/8	0.1" Penetration	
LL	PL	PI	# 4	100	0.2" Penetration	
38	16	22	# 10	99	0.3" Penetration	
Standard Moisture/Density T99				# 40	0.4" Penetration	
Max $\delta$ Wet	Max $\delta$ Dry	Opt MC%	# 100	77	0.5" Penetration	
126.1	109.2	15.5	# 200	73	Illinois Bearing Ratio Value:	
						4.4

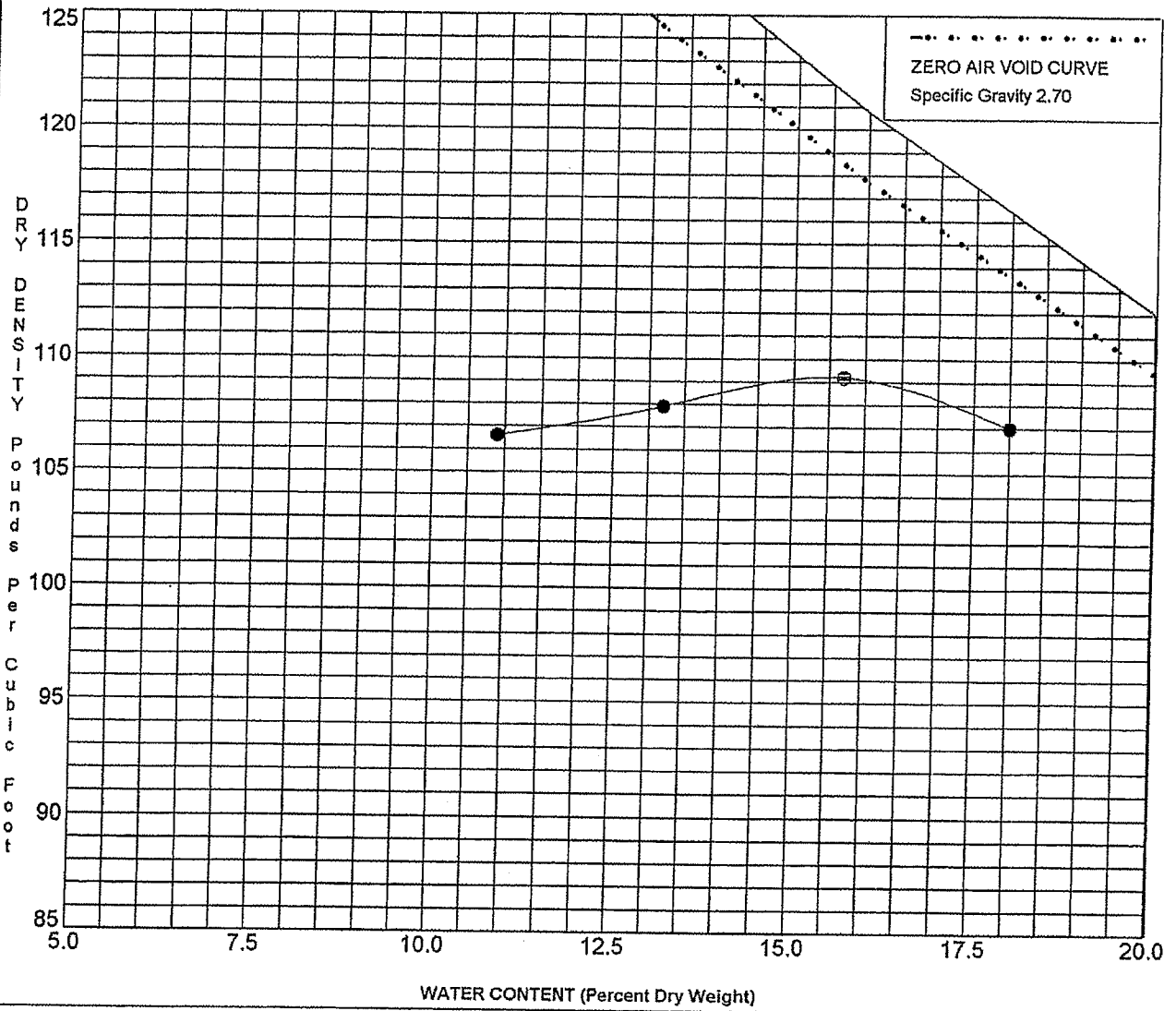
PROJECT LOCATION: Indian Trail Road Improvements JOB NO. L-65,302  
Aurora, Illinois DATE July 12, 2006

**IBR DATA SHEET**  
 Testing Service Corporation  
 Carol Stream, IL 60188

IBR NEW2 65302.GPJ TSC ALL.GDT 7/24/06

36.

Added 9-3-09



SPECIMEN IDENTIFICATION	
Boring:	17
Depth:	1.0'-3.0'
MOISTURE/DENSITY RELATIONSHIP	
<input checked="" type="checkbox"/>	Standard ASTM D698/AASHTO T99
<input type="checkbox"/>	Modified ASTM D1557/AASHTO T180
Maximum Dry Density (PCF)	109.2
Optimum Water Content (%)	15.5

SOIL CLASSIFICATION
Brown CLAY LOAM, A-6(14), CL
NOTES :

PROCTORS 65302.GPJ TSC ALL.GDT 7/24/06

PROJECT Indian Trail Road Improvements JOB NO. L-65,302  
 LOCATION Aurora, Illinois DATE July 12, 2006

**MOISTURE-DENSITY RELATIONSHIP**  
 Testing Service Corporation  
 Carol Stream, IL 60188

3c. Added 9-3-09

**TESTING SERVICE CORPORATION**  
457 East Gundersen Drive  
Carol Stream, Illinois

CLIENT: Robert H. Anderson & Associates, Inc.  
220 West River Drive  
St. Charles, Illinois 60174

TSC Job No. L - 65,302  
July 6, 2006

PROJECT: Indian Trail Road Improvements  
City of Aurora

**SOIL TEST DATA**

LOCATION	Sta. 81+00, 33' RT	Sta. 90+00, 18' RT	Sta. 99+00, 20' LT	Sta. 105+00, 18' RT
BORING NUMBER	3	6	9	11
SAMPLE NUMBER	IBR	1	2	2
DEPTH IN FEET	1.0 - 3.0	1.0 - 2.0	2.0 - 3.5	2.0 - 3.5
HRB CLASSIFICATION & GROUP INDEX	A-6 (14)	A-7-6 (16)	A-7-6 (44)	A-6 (11)
UNIFIED CLASSIFICATION	CL	CL	CH	CL
GRAIN SIZE CLASSIFICATION	Brown SILTY CLAY LOAM	Brown & Gray CLAY LOAM	Brown & Gray SILTY CLAY LOAM	Dark Gray & Brown SILTY LOAM
GRADATION - PASSING 1" SIEVE %		82		
GRADATION - PASSING 3/4" SIEVE %		82		100
GRADATION - PASSING 3/8" SIEVE %		82	100	90
GRADATION - PASSING # 4 SIEVE %	100	82	99	88
GRADATION - PASSING # 10 SIEVE %	99	80	99	84
GRADATION - PASSING # 40 SIEVE %	94	75	99	76
GRADATION - PASSING # 100 SIEVE %	89	69	98	71
GRADATION - PASSING # 200 SIEVE %	87	67	97	70
GRAVEL %	1	20	1	16
SAND %	12	13	2	14
SILT %	64	45	69	53
CLAY % (<0.002 MM)	23	22	28	17
LIQUID LIMIT %	36	42	60	37
PLASTIC LIMIT %	19	14	18	20
PLASTICITY INDEX %	17	28	42	17
NATURAL MOISTURE CONTENT %	24.2	16.6	27.8	31.0
LIQUIDITY INDEX	0.31	0.09	0.23	0.65
BEARING RATIO % (SOAKED IBR)	3.5			
STANDARD DRY DENSITY AASHTO T-99 PCF	110.3			
OPTIMUM MOISTURE %	13.8			
ORGANIC CONTENT	L-O-I %			
	WET COMBUSTION %			

3d.

Added 9-3-09

**TESTING SERVICE CORPORATION**  
 457 East Gundersen Drive  
 Carol Stream, Illinois

CLIENT: Robert H. Anderson & Associates, Inc.  
 220 West River Drive  
 St. Charles, Illinois 60174

TSC Job No. L - 65,302  
 July 6, 2006

PROJECT: Indian Trail Road Improvements  
 City of Aurora

### SOIL TEST DATA

LOCATION	Sta. 114+08, 36' LT	Sta. 117+00, 30' RT	Sta. 123+00, 32' RT	Sta. 128+38, 22' LT
BORING NUMBER	14	15	17	102
SAMPLE NUMBER	1B	1A	IBR	2
DEPTH IN FEET	1.0 - 2.0	0 - 2.0	1.0 - 3.0	2.0 - 3.5
HRB CLASSIFICATION & GROUP INDEX	A-7-6 (36)	A-7-6	A-6 (14)	A-7-6 (24)
UNIFIED CLASSIFICATION	CH	OH	CL / OL	OL / CL
GRAIN SIZE CLASSIFICATION	Brown SILTY CLAY	Black SILTY CLAY	Brown & Black CLAY LOAM	Black & Brown SILTY CLAY LOAM
GRADATION - PASSING 1" SIEVE %				
GRADATION - PASSING 3/4" SIEVE %				
GRADATION - PASSING 3/8" SIEVE %				100
GRADATION - PASSING # 4 SIEVE %			100	99
GRADATION - PASSING # 10 SIEVE %	100		99	98
GRADATION - PASSING # 40 SIEVE %	99		89	93
GRADATION - PASSING # 100 SIEVE %	95		77	91
GRADATION - PASSING # 200 SIEVE %	92		73	89
GRAVEL %	0		1	2
SAND %	8		26	9
SILT %	60		46	62
CLAY % (<0.002 MM)	32		27	27
LIQUID LIMIT %	53		38	42
PLASTIC LIMIT %	16		16	15
PLASTICITY INDEX %	37		22	27
NATURAL MOISTURE CONTENT %	28.1	30.5	28.9	30.0
LIQUIDITY INDEX	0.33		0.59	0.55
BEARING RATIO % (SOAKED IBR)			4.4	
STANDARD DRY DENSITY AASHTO T-99 PCF			109.2	
OPTIMUM MOISTURE %			15.5	
ORGANIC CONTENT	L-O-I %		6.7	
	WET COMBUSTION %		4.9	

3e.

Added 9-3-09



PROJECT **Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora**



CLIENT **Robert H. Anderson & Associates, Inc., St. Charles, Illinois**

BORING **4** DATE STARTED **6-30-06** DATE COMPLETED **6-30-06** JOB **L-65,302**

ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE \_\_\_\_\_ ▽ WHILE DRILLING **Dry**  
 END OF BORING \_\_\_\_\_ ▽ AT END OF BORING **Dry**  
 ▽ 24 HOURS \_\_\_\_\_

Sta. 84+00; 19' RT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										7" Asphaltic Concrete
								0.6		11" Crushed Limestone Subbase
		A	SS	6-5	2.8			1.5		FILL - Black and brown CLAY LOAM, some gravel, moist A-6
		B			16.4	4.25*				
		A			10.3	1.75*		2.5		Very stiff to hard brown and gray CLAY, moist A-7-6
		2	SS	6-6-6						
		B			23.1	4.0*		3.5		Stiff brown and gray CLAY, trace organic, moist to very moist A-7-6
		3	SS	3-4-5	26.9	1.25*				
5								5.5		Hard brown and gray CLAY, trace gravel, moist A-6
		4	SS	7-10-13	17.5	4.5+*				
										End of Boring at 10.0'
		5	SS	7-10-13	17.6	4.5+*				

\* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. **256**

3f.

Added 9-3-09

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 5 DATE STARTED 5-2-06 DATE COMPLETED 5-2-06 JOB L-65,302

ELEVATIONS

GROUND SURFACE \_\_\_\_\_

END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS

▽ WHILE DRILLING 1.1'

▽ AT END OF BORING Dry

▽ 24 HOURS \_\_\_\_\_

Sta. 87+00; 20' LT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										8" Asphaltic Concrete
								0.7		▽ 7" Crushed Limestone Subbase (wet)
		1	SS	5-3	22.0	3.25*		1.3		Very stiff to hard brown and gray CLAY, trace gravel, moist A-6/A-7-6
		2	SS	4-7-7	16.7	4.5+*				
		3	SS	4-9-11	17.6	4.5+*				
5								5.5		Hard brown CLAY, trace gravel, moist A-6/A-7-6
		4	SS	8-15-18	20.6	4.5+*				
								8.0		Hard brownish-gray CLAY, trace gravel, moist A-6/A-7-6
10										End of Boring at 10.0'
										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
15										
20										

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 256

Division lines between deposits represent approximate boundaries between soil types: in-situ, the transition may be gradual.

3g.

Added 9-3-09

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 6 DATE STARTED 5-2-06 DATE COMPLETED 5-2-06 JOB L-65,302

ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE \_\_\_\_\_ WHILE DRILLING Dry  
 END OF BORING \_\_\_\_\_ AT END OF BORING Dry  
 24 HOURS \_\_\_\_\_

Sta. 90+00; 18' RT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										8" Asphaltic Concrete
0.7										5" Crushed Limestone Subbase
1.1		1	SS	6-4	16.6	3.5*				FILL - Brown and gray CLAY LOAM, trace black clay, moist A-7-6(16)
2.0										LL/PL/PI = 42/14/28
		2	SS	7-4-7	19.3	3.25*				Very stiff brown and gray CLAY, trace black clay, moist A-7-6
3.5										
		3	SS	4-6-8	14.9	4.5+*				
5										
		4	SS	8-10-17	15.9	4.5+*				Hard brown CLAY, trace gravel, moist A-6
10		5	SS	6-8-11	17.5	4.5+*				
10.0										End of Boring at 10.0'
										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 256

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

3h.

Added 9-3-09

PROJECT **Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora**

CLIENT **Robert H. Anderson & Associates, Inc., St. Charles, Illinois**



BORING **7** DATE STARTED **5-2-06** DATE COMPLETED **5-2-06** JOB **L-65,302**

ELEVATIONS  
 GROUND SURFACE \_\_\_\_\_ WATER LEVEL OBSERVATIONS  
 END OF BORING \_\_\_\_\_  
 ▼ WHILE DRILLING **Dry**  
 ▼ AT END OF BORING **Dry**  
 ▼ 24 HOURS \_\_\_\_\_

Sta. 93+00; 24' LT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										11.5" Asphaltic Concrete
		1	SS	4-5	2.7			1.0		10" Crushed Limestone Subbase
		2	SS	3-4-4	19.5	2.0*		1.8		Stiff to very stiff brown and gray CLAY LOAM, occasional sand seams, moist A-6
		3	SS	4-6-17	12.0			3.3		Med. dense brown clayey SAND, trace gravel, moist A-1/A-2
5		4	SS	4-6-17	13.2	2.5*		5.5		Very stiff brown and gray SANDY LOAM, trace gravel, moist A-2-4/A-4
		5	SS	9-15-18	17.3	4.5+*		8.0		Hard brownish-gray CLAY, moist A-6
10										End of Boring at 10.0'
										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
15										
20										

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

DRILL RIG NO. **256**

3i. Added 9-3-09

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 8 DATE STARTED 3-14-06 DATE COMPLETED 3-14-06 JOB L-65,302

ELEVATIONS

GROUND SURFACE \_\_\_\_\_

END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS

▽ WHILE DRILLING 8.0'

▽ AT END OF BORING 8.0'

▽ 24 HOURS \_\_\_\_\_

Sta. 96+00; 30' RT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										FILL - Dark brown clayey Topsoil
		1A			22.3	4.5*		0.6		FILL - Brown and gray CLAY and SILT layers, moist A-4/A-6
			MC					2.0		
		1B			2.3					FILL - Gray Gravel, damp A-1-a
								4.0		
5		2A			35.5	1.0*				Medium stiff to stiff brown and dark gray CLAY, trace organic, very moist A-7-6
			MC					6.0		
		2B			28.3	2.0*				Stiff to very stiff brown and gray CLAY, moist A-7-6
								8.0		▽
		3A			18.5					Brown and gray sandy SILT, moist to very moist A-4
10			MC					10.0		
		3B			17.6	4.0*				Very stiff to hard brown and gray CLAY, moist A-6
										End of Boring at 12.0'
										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.  MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig

TSC 65302.GPJ TSC\_ALL.GDT 8/10/06

DRILL RIG NO. 294

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

3j

Added 9-3-09

PROJECT **Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora**

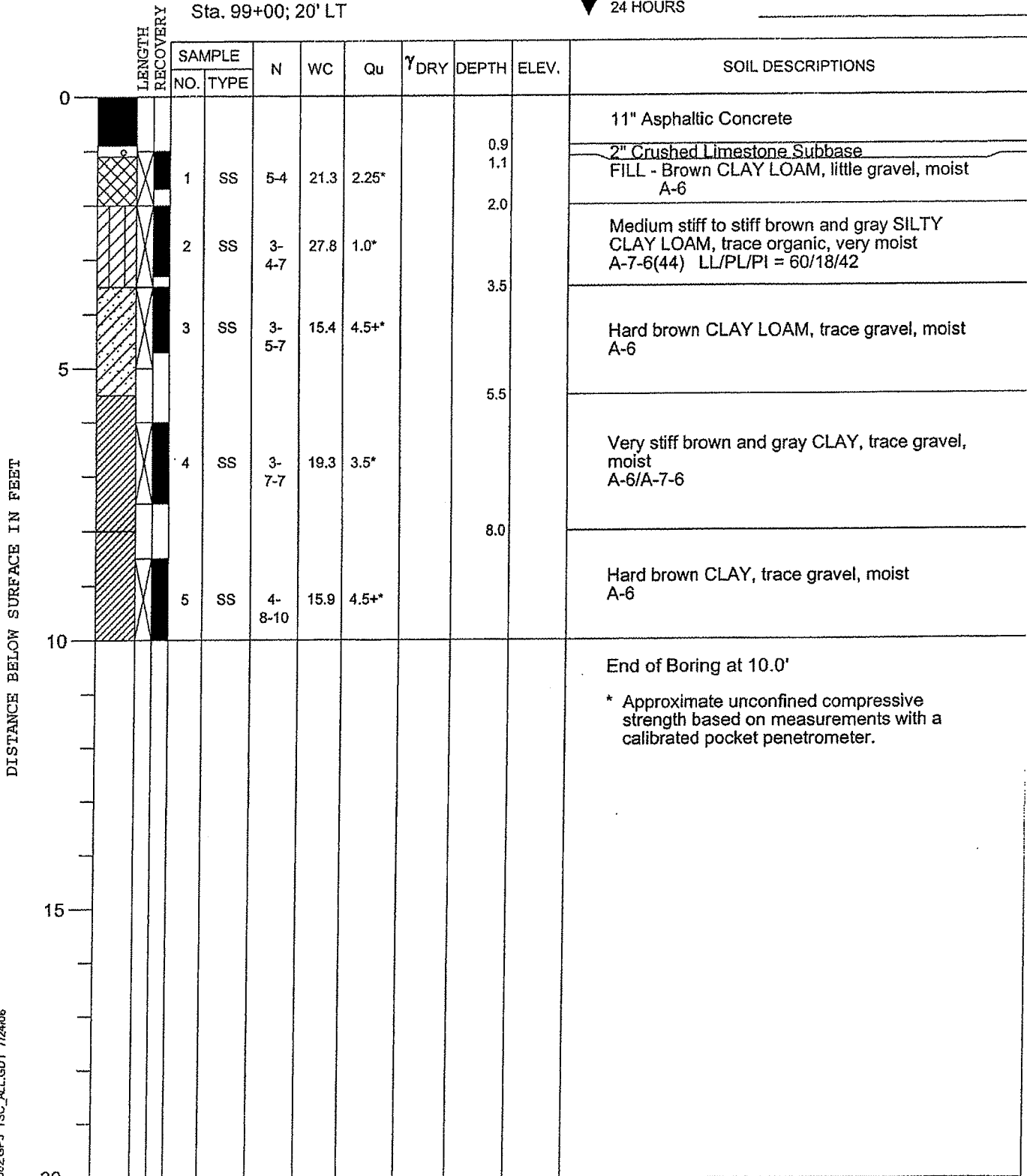
CLIENT **Robert H. Anderson & Associates, Inc., St. Charles, Illinois**



BORING **9** DATE STARTED **5-2-06** DATE COMPLETED **5-2-06** JOB **L-65,302**

ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_  
 WHILE DRILLING **Dry**  
 AT END OF BORING **Dry**  
 24 HOURS \_\_\_\_\_

Sta. 99+00; 20' LT



TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. **256**

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

3K. Added 9-3-09

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 10 DATE STARTED 3-14-06 DATE COMPLETED 3-14-06 JOB L-65,302

ELEVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS  
 ▽ WHILE DRILLING 8.0'  
 ▽ AT END OF BORING 8.0'  
 ▽ 24 HOURS \_\_\_\_\_

Sta. 102+00; 37' LT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0		1A			23.0	3.75*				Very stiff dark brown SILTY CLAY LOAM, some black topsoil, moist A-7-6
			MC					2.0		
		1B			24.9	2.0*				Stiff to very stiff brown and gray CLAY, moist A-7-6
								4.0		
5		2A			15.7	4.5+*				Hard brown and gray CLAY, trace gravel, moist A-6
			MC					6.0		
		2B			13.4	4.5+*				Hard brown CLAY LOAM, trace gravel, moist A-6
								8.0		▽
		3A	MC		15.8	4.5+*				Hard brown and gray CLAY, trace gravel, moist A-6
10		End of Boring at 10.0'								
		* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.								
		MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig								
15										
20										

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 294

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

Added 9-3-09  
3L.

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 11 DATE STARTED 5-2-06 DATE COMPLETED 5-2-06 JOB L-65,302

ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE \_\_\_\_\_ WHILE DRILLING Dry  
 END OF BORING \_\_\_\_\_ AT END OF BORING Dry  
 \_\_\_\_\_ 24 HOURS \_\_\_\_\_

Sta. 105+00; 18' RT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	Y DRY	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										8.5" Asphaltic Concrete
0.7										4.5" Crushed Limestone Subbase
1.1		1	SS	6-3	16.5	4.5+*				FILL - Brown CLAY LOAM, moist A-6
2.0		2	SS	4-5-7	31.0	1.25*				FILL - Dark gray and brown SILTY LOAM, little gravel, trace organic, very moist A-6(11) LL/PL/PI = 37/20/17
3.5		3	SS	4-4-5	30.6	2.0*				Stiff to very stiff black and gray CLAY, trace organic, moist A-7-6
5		A			26.8	1.75*				Stiff brown and gray CLAY, moist A-7-6
5.5		4	SS	3-4-7	20.0	4.0*				Very stiff to hard brown and gray CLAY, trace gravel, moist A-6/A-7-6
6.5		B								
10		5	SS	5-7-10	15.4	4.5+*				End of Boring at 10.0'

\* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

DRILL RIG NO. 256

3m,

Added 9-3-09



PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora

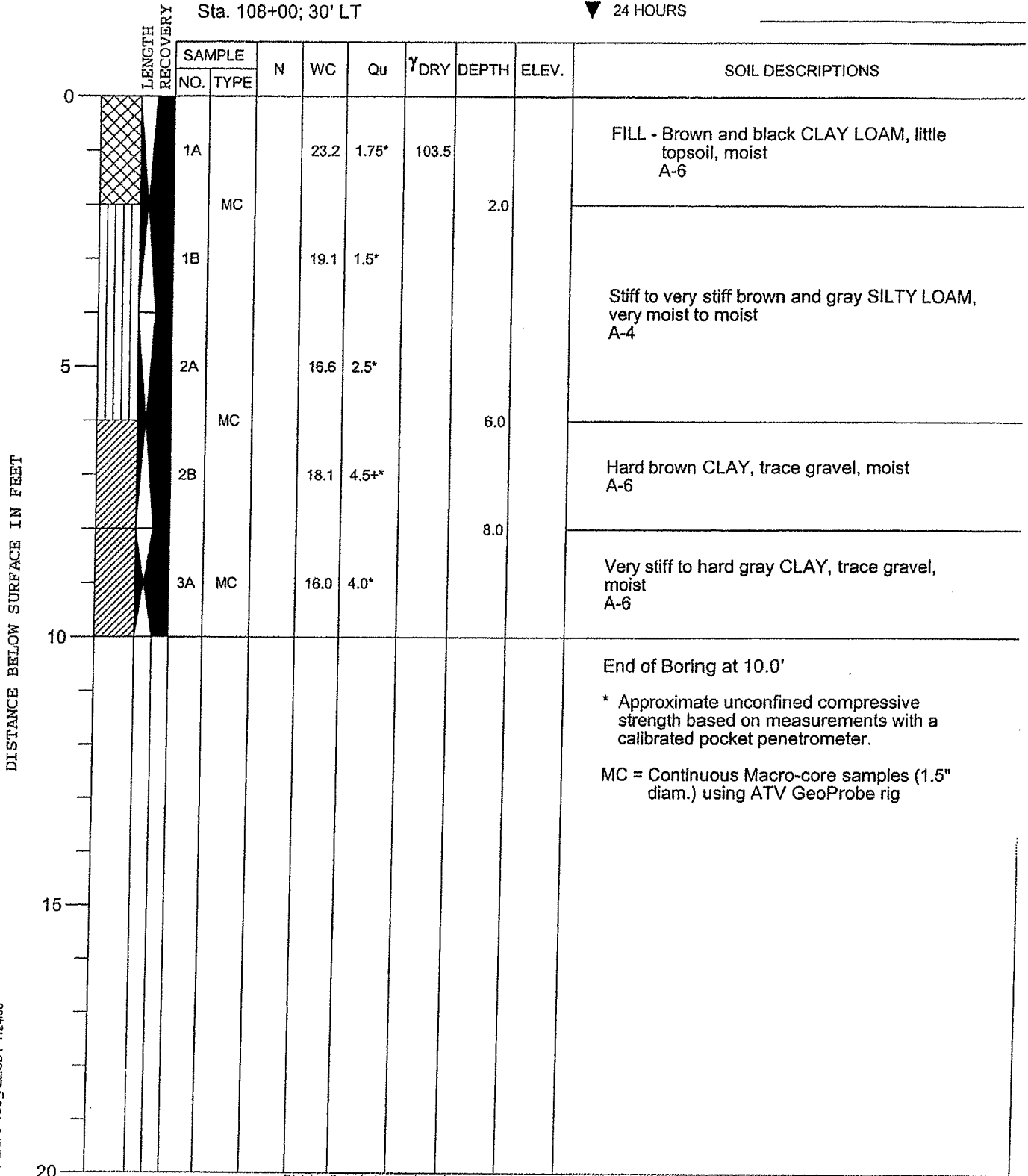


CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 12 DATE STARTED 3-14-06 DATE COMPLETED 3-14-06 JOB L-65,302

ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE \_\_\_\_\_ WHILE DRILLING Dry  
 END OF BORING \_\_\_\_\_ AT END OF BORING Dry  
 \_\_\_\_\_ 24 HOURS \_\_\_\_\_

Sta. 108+00; 30' LT



\* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.  
 MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 294

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

3n. Added 9-3-09

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



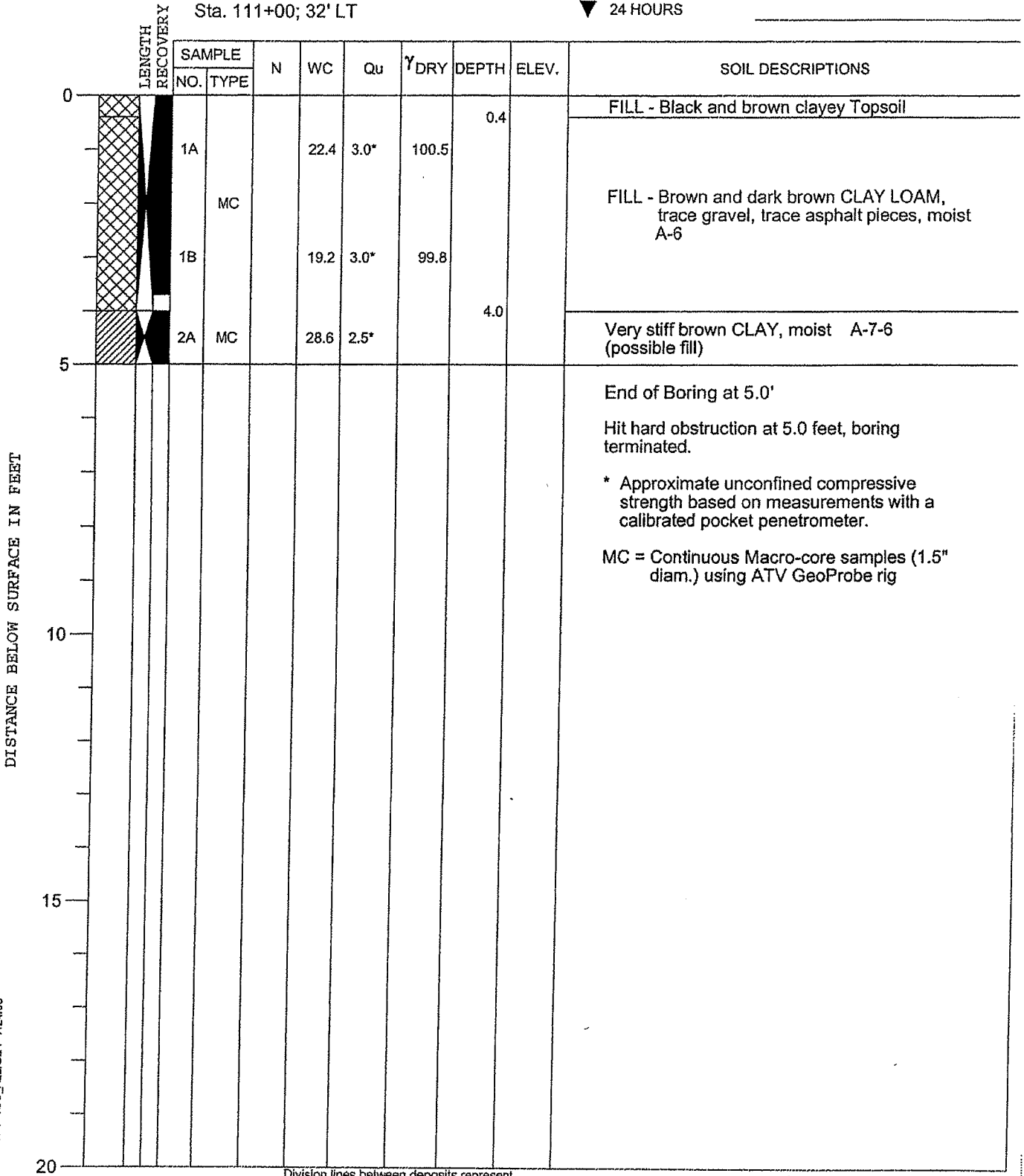
CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 13 DATE STARTED 3-14-06 DATE COMPLETED 3-14-06 JOB L-65,302

ELEVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS  
 ▼ WHILE DRILLING Dry  
 ▼ AT END OF BORING Dry  
 ▼ 24 HOURS \_\_\_\_\_

Sta. 111+00; 32' LT



DISTANCE BELOW SURFACE IN FEET

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 294

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

30 Added 9-3-09

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



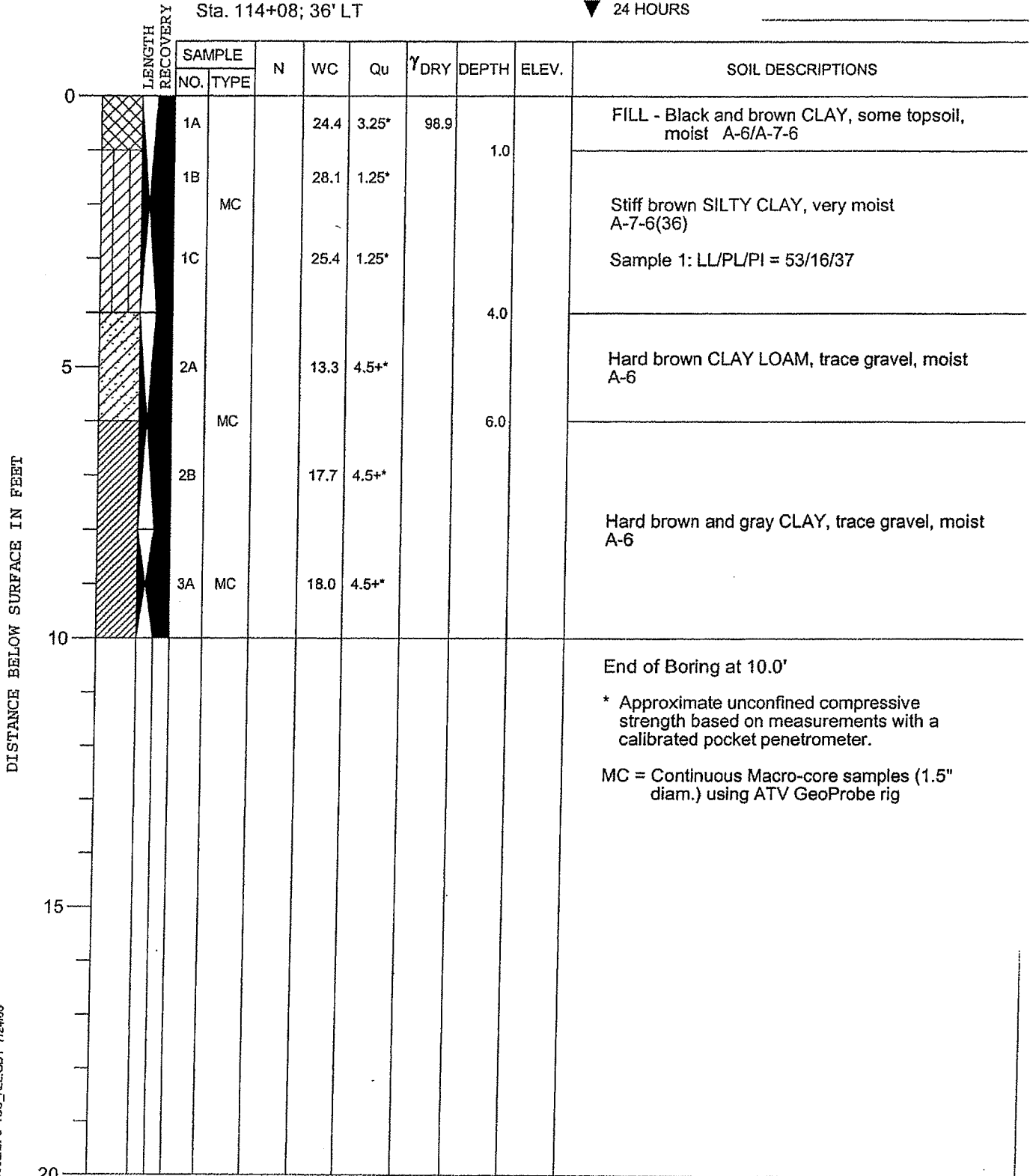
CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 14 DATE STARTED 3-14-06 DATE COMPLETED 3-14-06 JOB L-65,302

ELEVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS  
 ▼ WHILE DRILLING Dry  
 ▼ AT END OF BORING Dry  
 ▼ 24 HOURS \_\_\_\_\_

Sta. 114+08; 36' LT



DISTANCE BELOW SURFACE IN FEET

LENGTH RECOVERY

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 294

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

3p. Added 9-3-09

PROJECT **Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora**

CLIENT **Robert H. Anderson & Associates, Inc., St. Charles, Illinois**



BORING **15** DATE STARTED **3-14-06** DATE COMPLETED **3-14-06** JOB **L-65,302**

ELEVATIONS WATER LEVEL OBSERVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_  
 WHILE DRILLING **8.0'**  
 AT END OF BORING **8.0'**  
 24 HOURS \_\_\_\_\_

Sta. 117+00; 30' RT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0		1A			30.5	2.25*				Black SILTY CLAY (topsoil), moist A-7-6 LOI = 6.7%, OWC = 4.9%
			MC					2.0		
		1B			27.9	1.5*				Stiff brown and dark gray CLAY, trace organic, moist to very moist A-7-6
								4.0		
5		2A			25.9	2.25*				Very stiff brown and gray CLAY, moist A-7-6
			MC					6.0		
		2B			29.3	1.0*				Stiff to medium stiff brown and dark gray CLAY, trace organic, very moist A-7-6
								8.0		▽
		3A	MC		17.4	4.0*				Very stiff to hard brown and gray CLAY, trace gravel, moist A-6
10										End of Boring at 10.0'
										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer. MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig
15										
20										

TSC 6502.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. **294**

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

39

Added 9-3-09

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 16 DATE STARTED 5-2-06 DATE COMPLETED 5-2-06 JOB L-65,302

ELEVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS  
 ▽ WHILE DRILLING Dry  
 ▽ AT END OF BORING Dry  
 ▽ 24 HOURS \_\_\_\_\_

Sta. 120+00; 20' LT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										9" Asphaltic Concrete
0.8										12" Crushed Limestone Subbase
1.8		1	SS	4-4	2.7					
3.5		2	SS	3-4-7	12.2	2.5*				FILL - Brown CLAY LOAM, little gravel, moist A-4/A-6
5		3	SS	6-6-8	14.3	4.5+*				Hard brown CLAY LOAM, trace gravel, moist A-6
5.5		4	SS	6-9-12	15.5	4.5+*				
10		5	SS	7-11-19	16.0	4.5+*				Hard brown CLAY, trace gravel, moist A-6
10.0										End of Boring at 10.0'

\* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 256

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

3R

Added 9-3-09

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 17 DATE STARTED 3-14-06 DATE COMPLETED 3-14-06 JOB L-65,302

ELEVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS  
 ▽ WHILE DRILLING 8.0'  
 ▽ AT END OF BORING 8.0'  
 ▽ 24 HOURS \_\_\_\_\_

Sta. 123+00; 32' RT

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ <sub>DRY</sub>	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0		1A			26.2	1.5*				FILL - Brown and black CLAY LOAM, some black topsoil, very moist A-6(14)  IBR = 4.4 LL/PL/PI = 38/16/22
			MC							
		1B			28.9	1.5*		3.5		Stiff brown and gray CLAY, trace organic, moist to very moist A-7-6
5		2A			26.9	1.5*				Soft brown and gray SANDY LOAM, little gravel, very moist A-2-4/A-4
			MC					6.0		
		2B			21.7	0.25*			8.0	▽
										Medium stiff to stiff brown and gray CLAY, trace gravel, very moist A-6
		3A			26.1	1.0*				
10			MC					10.0		Hard brownish-gray SILTY CLAY LOAM, trace gravel, moist A-6
		3B			16.7	4.5+*				
										End of Boring at 12.0'
										* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.
										MC = Continuous Macro-core samples (1.5" diam.) using ATV GeoProbe rig
15										
20										

TSC 65302.GPJ TSC\_ALL.GDT 7/24/05

DRILL RIG NO. 294

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

Added 9-3-09

35.

PROJECT Indian Trail Road Improvements, Mitchell Rd. to Farnworth Ave., City of Aurora



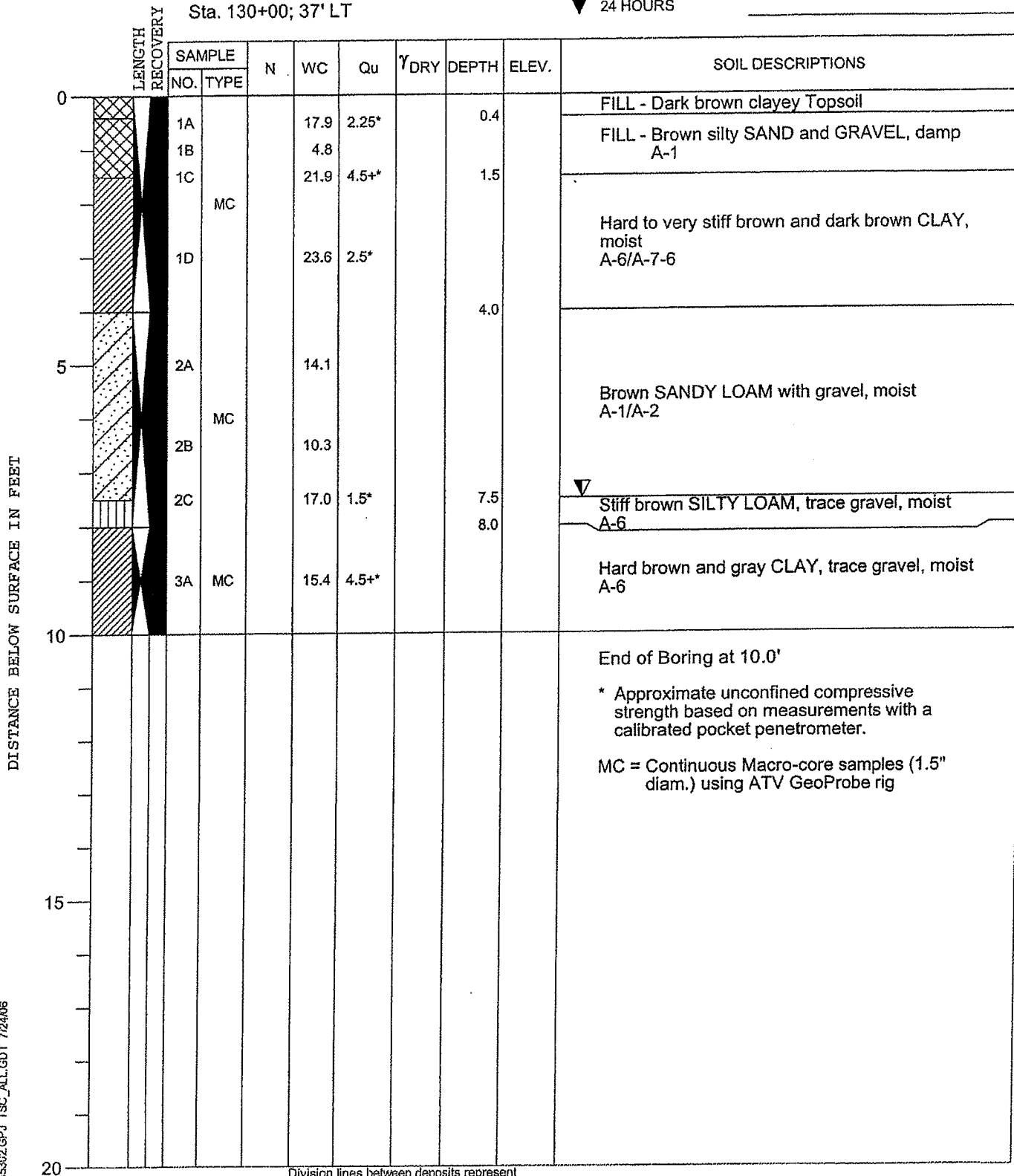
CLIENT Robert H. Anderson & Associates, Inc., St. Charles, Illinois

BORING 18 DATE STARTED 6-15-06 DATE COMPLETED 6-15-06 JOB L-65,302

ELEVATIONS  
 GROUND SURFACE \_\_\_\_\_  
 END OF BORING \_\_\_\_\_

WATER LEVEL OBSERVATIONS  
 ▽ WHILE DRILLING 7.5'  
 ▽ AT END OF BORING Dry  
 ▽ 24 HOURS \_\_\_\_\_

Sta. 130+00; 37' LT



TSC 65302.GPJ TSC\_ALL.GDT 7/24/06

DRILL RIG NO. 294

Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.

Added 9-3-09

3t.