

Finance Department
Fifty Raupp Blvd.
Buffalo Grove, IL 60089-2198
Phone 847-459-2500
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Bernard Drive Contract 1 Project Addendum #1

TO: Prospective Respondents and Other Interested Parties

FROM: The Village of Buffalo Grove Finance Department

ISSUE DATE: November 3, 2023

SUBJECT: ADDENDUM #1

Note: This Addendum is hereby declared a part of the original bid and contract documents and in case of conflict, the provisions in the following Addendum shall govern.

The following changes and clarifications shall be made to the Bid Documents for the Bernard Drive Contract 1 Project.

Q1. Are there any soil borings available for the project for the contractors to review?

A1. Yes, the soil boring logs and location map for Bernard Drive Contract 1 Project are attached below.

PROSPECTIVE RESPONDENTS ARE TO ACKNOWLEDGE RECEIPT OF ADDENDUM #1. AND SHALL INCLUDE AND NOTE THIS ADDENDUM IN YOUR RESPONSE.

RESPONDENT: _____

SIGNED: _____ DATE: _____

TITLE : _____

January 6, 2022

L-93,352



TESTING SERVICE CORPORATION

Corporate Office

360 S. Main Place, Carol Stream, IL 60188-2404
630.462.2600 • Fax 630.653.2988

Local Offices:

457 E. Gundersen Drive, Carol Stream, IL 60188-2492
630.653.3920 • Fax 630.653.2726

650 N. Peace Road, Suite D, DeKalb, IL 60115-8401
815.748.2100 • Fax 815.748.2110

1350 TriState Parkway, Unit 122, Gurnee, IL 60031-9135
847.249.6040 • Fax 844.767.4721

2235 23RD Avenue, Rockford, IL 61104-7334
815.394.2562 • Fax 815.394.2566

203 Earl Road, Suite A, Shorewood, IL 60404-9446
815.744.1510 • Fax 815.744.1728

Roadway Geotechnical Report

Bernard Drive Improvements

Arlington Heights to Buffalo Grove Roads

Sta. 10+70 to 85+40

Buffalo Grove, Illinois

Geotechnical & Environmental Engineering



Construction Materials Engineering & Testing



Laboratory Testing of Soils, Concrete & Asphalt



Geo-Environmental Drilling & Sampling

Prepared For:

**Christopher B. Burke Engineering
9575 West Higgins Road, Suite 600
Rosemont, IL 60018**

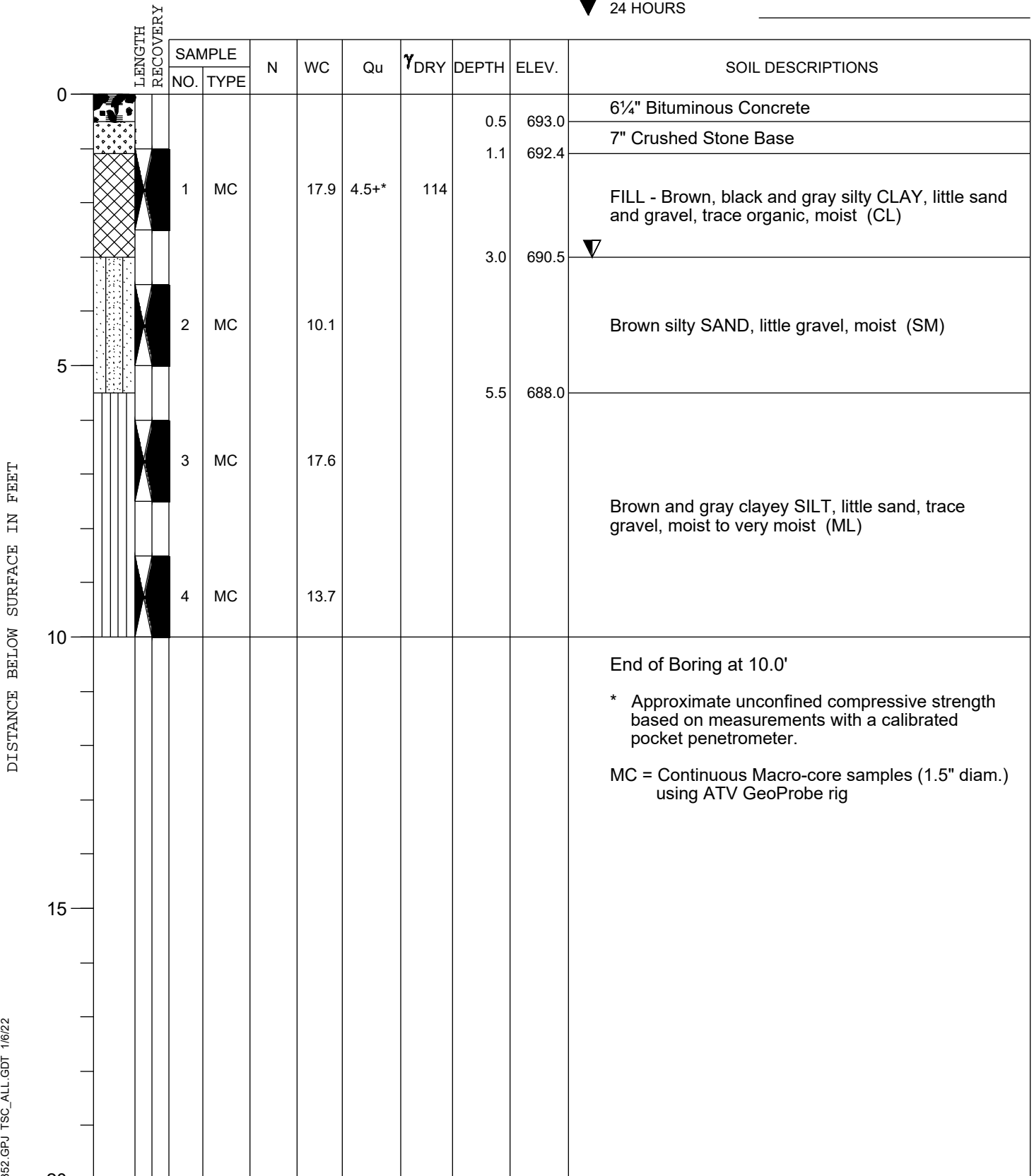
GEOTECHNICAL GROUP





ELEVATIONS	
GROUND SURFACE	693.5
END OF BORING	683.5

WATER LEVEL OBSERVATIONS	
▼ WHILE DRILLING	3.0'
▽ AT END OF BORING	Dry
▼ 24 HOURS	



TSC 93352.GPJ TSC_ALL.GDT 1/6/22



ELEVATIONS	
GROUND SURFACE	692.0
END OF BORING	682.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.5	691.5	6 1/4" Bituminous Concrete
								1.0	691.0	6" Crushed Stone Base
		1	MC		20.1	4.5+*	109			FILL - Brown, black and gray silty CLAY, little sand, trace gravel, trace organic, moist (CL) Hard brown trace gray silty CLAY, little sand, trace gravel, moist (CL)
		2	MC		21.2	4.25*				
		3	MC		18.2	4.5+*				
		4	MC		19.9	4.5+*				
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										

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



ELEVATIONS	
GROUND SURFACE	689.0
END OF BORING	679.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0										6¼" Bituminous Concrete
								0.5	688.5	8" Crushed Stone Base
		A	MC		19.3	4.5+*	111	1.2	687.8	FILL - Brown, black and gray silty CLAY, little sand, trace gravel, trace organic, moist (CL)
		1								
		B			17.4	2.75*		2.0	687.0	
										Very stiff brown trace gray silty CLAY, little sand and gravel, moist (CL)
		2	MC		19.1	2.75*				
		3	MC		13.1	2.75*				
								8.0	681.0	Very stiff brownish-gray silty CLAY, little sand and gravel, moist (CL)
		4	MC		18.6	3.0*				
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										

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



ELEVATIONS	
GROUND SURFACE	685.0
END OF BORING	675.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.5	684.5	6½" Bituminous Concrete
								1.0	684.0	6" Crushed Stone Base
		1	MC		23.1	2.5*	103			FILL - Brown, black and gray silty CLAY, little sand, trace gravel, trace organic, moist (CL)
								3.0	682.0	
		2	MC		25.0	2.0*				Stiff to very stiff brown trace gray silty CLAY, little sand, trace gravel, moist (CL)
5										
		3	MC		22.3	2.0*				
								8.0	677.0	
		4	MC		18.1	4.5+*				Hard brown and gray silty CLAY, little sand and gravel, moist (CL)
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										

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



ELEVATIONS	
GROUND SURFACE	686.0
END OF BORING	676.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0									685.5	±6" Bituminous Concrete
									684.8	8" Crushed Stone Base
		A	MC		25.1	2.5*	100	1.2	684.8	FILL - Black and gray silty CLAY, little sand, trace gravel, trace organic, moist (CL)
		B	MC		24.6	2.75*		2.0	684.0	
								3.0	683.0	Very stiff brown and gray silty CLAY, little sand, trace gravel, moist (CL)
5		2	MC		18.7	4.5+*				Hard brown trace gray silty CLAY, little sand and gravel, moist (CL)
		3	MC		19.0	4.5+*				
		4	MC		18.3	4.5+*				
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										

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



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GROUND SURFACE	692.0
END OF BORING	682.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.6	691.4	6 3/4" Bituminous Concrete
								1.0	691.0	5" Crushed Stone Base
		1	MC		4.8					FILL - Brown SAND, moist (SP)
		2	MC		18.8	3.25*				Very stiff to hard brown trace gray silty CLAY, little sand and gravel, moist (CL)
5		3	MC		19.8	3.75*		3.0	689.0	
		4	MC		17.7	4.5+*				
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										

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



ELEVATIONS	
GROUND SURFACE	689.5
END OF BORING	679.5

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

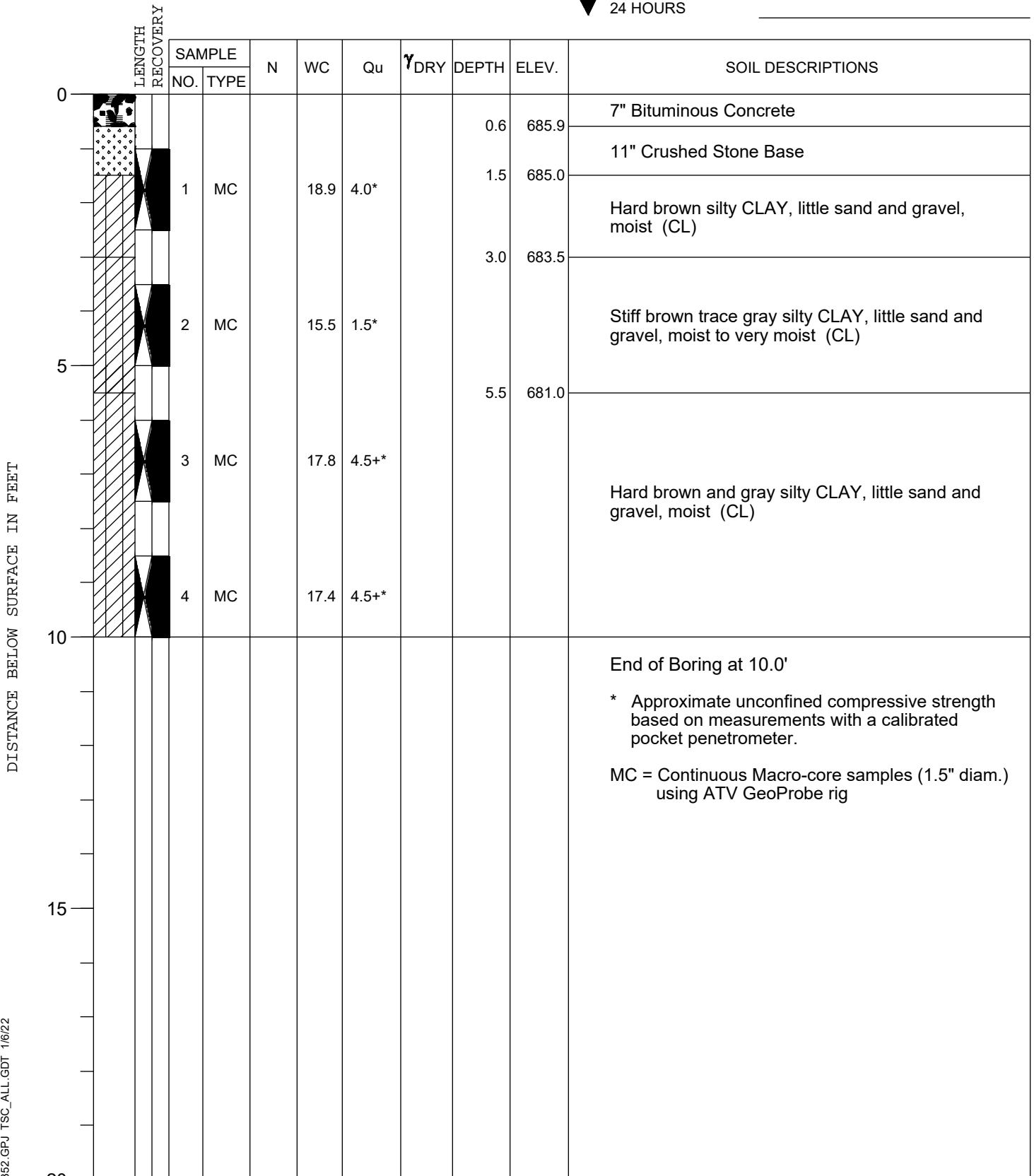
DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.5	689.0	6" Bituminous Concrete
								0.9	688.6	5" Crushed Stone Base
		1	MC		17.4	4.5+*				Hard brown trace gray silty CLAY, little sand and gravel, moist (CL)
		2	MC		18.4	4.5+*				
		3	MC		17.7	4.5+*				
		4	MC		17.0	4.5+*				
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										

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



ELEVATIONS	
GROUND SURFACE	686.5
END OF BORING	676.5

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



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ELEVATIONS	
GROUND SURFACE	686.0
END OF BORING	676.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.5	685.5	6 1/4" Bituminous Concrete
								1.5	684.5	12" Crushed Stone Base
		1	MC		25.4	3.0*				Very stiff dark brown to brown silty CLAY, little sand, trace gravel, trace organic, moist (CL)
								3.0	683.0	
		2	MC		17.8	1.5*				Stiff to very stiff brown trace gray silty CLAY, little sand and gravel, moist (CL)
5										
		3	MC		16.5	2.0*				Very stiff brown and gray silty CLAY, little sand, trace gravel, moist (CL)
								8.0	678.0	
		4	MC		20.2	2.25*				
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										

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



ELEVATIONS	
GROUND SURFACE	684.0
END OF BORING	674.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.6	683.4	7¼" Bituminous Concrete
								1.4	682.6	10" Crushed Stone Base
		1	MC	20.2	2.0*					Stiff to very stiff dark brown to brown silty CLAY, little sand, trace gravel, trace organic, moist (CL)
		2	MC	18.5	4.5+*					
		3	MC	18.0	4.5+*					
		4	MC	17.6	4.5+*					
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										

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



ELEVATIONS	
GROUND SURFACE	682.0
END OF BORING	672.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.6	681.4	7¼" Bituminous Concrete
								1.4	680.6	10" Crushed Stone Base
		1	MC	19.3	4.5+*					Hard brown trace gray silty CLAY, little sand and gravel, moist (CL)
		2	MC	17.7	4.5+*					
5		A	MC	18.8	4.5+*					
		3	MC	30.1				7.0	675.0	Brown clayey SAND, little gravel, moist (SC)
		B						8.0	674.0	
		4	MC	15.2						Brown silty SAND, little gravel, moist (SM)
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										

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

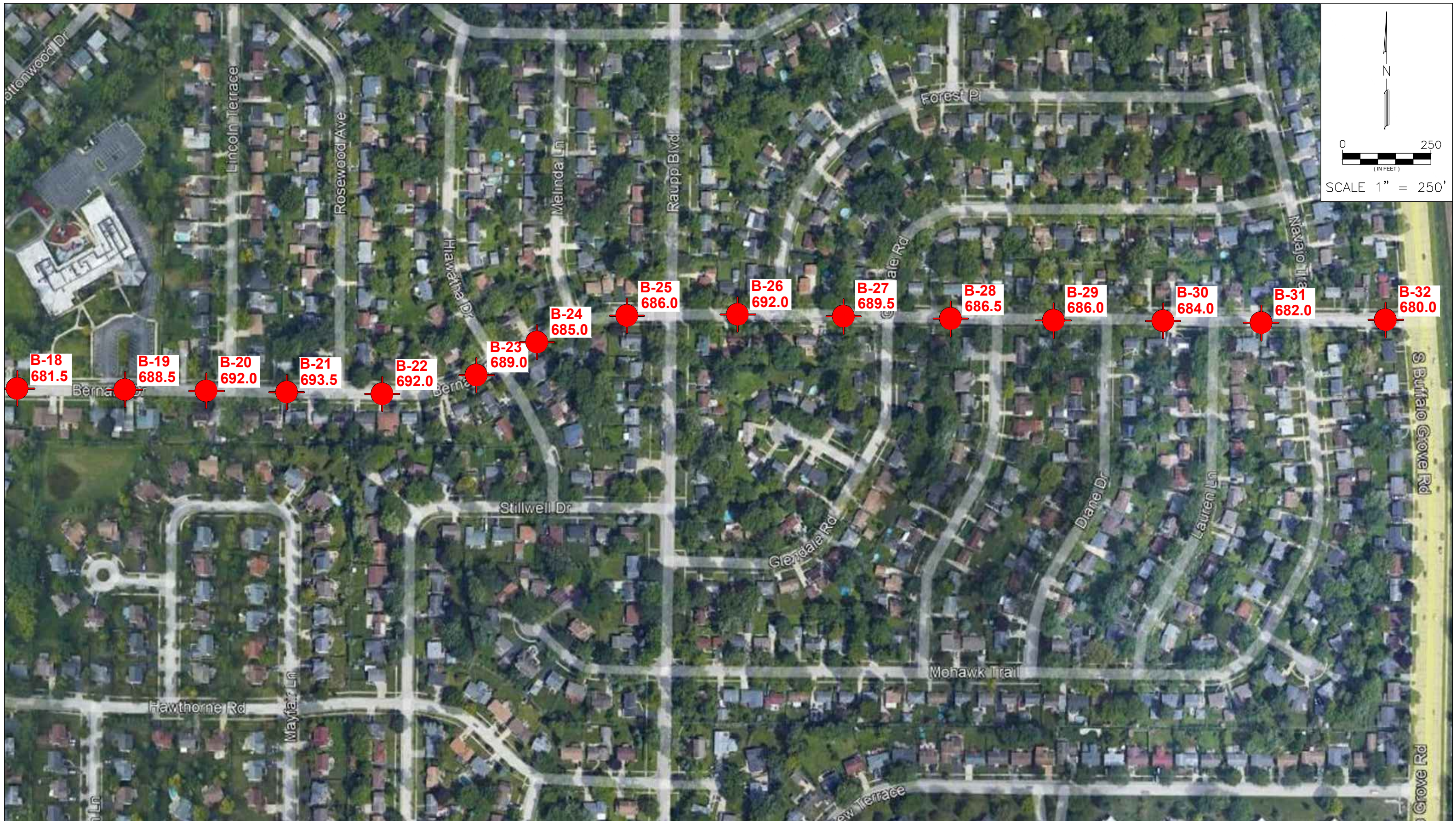


ELEVATIONS	
GROUND SURFACE	680.0
END OF BORING	670.0

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

DISTANCE BELOW SURFACE IN FEET	LENGTH RECOVERY	SAMPLE		N	WC	Qu	γ _{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
		NO.	TYPE							
0								0.5	679.5	±6½" Bituminous Concrete
								1.4	678.6	10" Crushed Stone Base
		1	MC		24.1	2.75*				Very stiff dark brown to brown silty CLAY, little sand, trace gravel, trace organic, moist (CL)
		2	MC		24.9	2.5*				
5		3	MC		16.4	4.5+*				
		4	MC		19.3	4.5+*				
5.5								5.5	674.5	Hard brown trace gray silty CLAY, little sand and gravel, moist (CL)
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										

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NOTE: GROUND SURFACE ELEVATIONS AT THE BORINGS WERE ACQUIRED BY TSC USING A TRIMBLE R8S GNSS RECEIVER, BEING ROUNDED TO THE NEAREST 0.5 FOOT.

LEGEND

CORE LOCATION

CORE LOCATION PLAN
 BERNARD DRIVE IMPROVEMENTS
 ARLINGTON HEIGHTS TO S. BUFFALO GROVE ROAD
 SECTION NO 20-00108-00-RS
 BUFFALO GROVE, ILLINOIS

TESTING SERVICE CORPORATION
 457 EAST GUNDERSEN DRIVE
 CAROL STREAM, ILLINOIS 60188

DRAWN BY: TJF	PAGE NO. 2 OF 2
CHECKED BY: TRP	
JOB NO.: L-93,352	
DATE: 01-04-22	