



Drawing Not To Scale

**LEGEND**



 - Approximate Pavement Core and Soil Boring Location

Pavement Core & Soil Boring Location Diagram

Beach Elementary School Parking Lot Improvements

1421 N. Ardmore Drive  
Round Lake Beach, Illinois 60073

Project Manager

P. Patel

Date

12/13/2023

Project Number

23G0530

Sheet Number

Fig. 1

# Soil Boring Log



**Construction & Geotechnical Material Testing, Inc.**

60 Martin Lane, Elk Grove Village, Illinois 60007  
Telephone (630) 595-1111 ♦ Fax (630) 595-1110

**Soil Boring Prepared for:**  
Mr. Geoffrey L. Perry, P.E.  
Gewalt Hamilton Associates, Inc.  
625 Forest Edge Drive  
Vernon Hills, Illinois 60061

**Boring No.:** **C-01**  
**Date:** Wednesday, December 6, 2023  
**Project:** Beach Elementary School Parking Lot Improvements  
1421 N. Ardmore Drive  
Round Lake Beach, Illinois 60073  
**Project No.:** 23G0530  
**Boring Location:** See Boring Location Diagram  
**Logged By:** L.S.H.  
**Ground Elevation:** \_\_\_\_\_

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 6" of Asphalt Pavement					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.  <b>Dry Density:</b> 1.5' - 2.5' = 76.4 lbs./ft <sup>3</sup> <b>Organic Content:</b> 1.5' - 2.5' = 4.9%
	1.0		Approximately 13" of Aggregate Base Course	SS-1	2	-	-	
	2.0		Silty Clay, Trace Organics, Sand and Gravel, black, brown and gray, firm (CL FILL)	1.0' - 2.5' 18" Recovery	3 3	40.2	0.75	
	3.0		END of BORING at 2½ Feet					
	4.0							
	5.0							
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

<b>Drilling Contractor:</b> CGMT, Inc.	<b>Water Level (Ft.):</b> _____
<b>Drilling Method:</b> 3/4" O.D. H.S.A. Split Spoon Sampling	<b>During Drilling:</b> None
<b>Drilling Equipment:</b> Diamond Impregnated Core Barrel & CME-45C Truck Mounted Drill Rig	<b>Immediately After Drilling:</b> None
<b>REVIEWED BY:</b> NPW	

# Soil Boring Log



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**Soil Boring Prepared for:**  
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625 Forest Edge Drive  
Vernon Hills, Illinois 60061

**Boring No.:** **C-02**  
**Date:** Wednesday, December 6, 2023  
**Project:** Beach Elementary School Parking Lot Improvements  
1421 N. Ardmore Drive  
Round Lake Beach, Illinois 60073  
**Project No.:** 23G0530  
**Boring Location:** See Boring Location Diagram  
**Logged By:** L.S.H.  
**Ground Elevation:** \_\_\_\_\_

Sheet 1 of 1

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4 3/4" of Asphalt Pavement Approx. 9 1/4" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.  <b>Dry Density:</b> 1.0' - 2.5' = 78.5 lbs./ft <sup>3</sup> <b>Organic Content:</b> 1.0' - 2.5' = 12.0%
	1.0		Silty Clay, Little Organics, Trace Sand and Gravel, black, brown and gray, very stiff (CL FILL)	SS-1	3	38.1	2.5	
	2.0			1.0' - 2.5'	3			
	2.5		END of BORING at 2½ Feet	16" Recovery	4			
	3.0							
	4.0							
	5.0							
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

<b>Drilling Contractor:</b> CGMT, Inc.	<b>Water Level (Ft.):</b> _____
<b>Drilling Method:</b> 3/4" O.D. H.S.A. Split Spoon Sampling	<b>During Drilling:</b> None
<b>Drilling Equipment:</b> Diamond Impregnated Core Barrel & CME-45C Truck Mounted Drill Rig	<b>Immediately After Drilling:</b> None
<b>REVIEWED BY:</b> NPW	

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**Soil Boring Prepared for:**  
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625 Forest Edge Drive  
Vernon Hills, Illinois 60061

**Boring No.:** **C-03**  
**Date:** Wednesday, December 6, 2023  
**Project:** Beach Elementary School Parking Lot Improvements  
1421 N. Ardmore Drive  
Round Lake Beach, Illinois 60073  
**Project No.:** 23G0530  
**Boring Location:** See Boring Location Diagram  
**Logged By:** L.S.H.  
**Ground Elevation:** \_\_\_\_\_

Sheet 1 of 1

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 6" of Asphalt Pavement					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Approximately 8" of Aggregate Base Course					
	1.0		Silty Clay, Trace Sand and Gravel, brown and gray, stiff (CL FILL)	SS-1 1.0' - 2.5'	3	29.4	1.5	
	2.0		Saturated	5" Recovery	3			
	2.5		END of BORING at 2½ Feet					
	3.0							
	4.0							
	5.0							
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

<b>Drilling Contractor:</b> CGMT, Inc.	<b>Water Level (Ft.):</b> _____
<b>Drilling Method:</b> 3/4" O.D. H.S.A. Split Spoon Sampling	<b>During Drilling:</b> None
<b>Drilling Equipment:</b> Diamond Impregnated Core Barrel & CME-45C Truck Mounted Drill Rig	<b>Immediately After Drilling:</b> None
<b>REVIEWED BY:</b> NPW	

# Soil Boring Log



**Construction & Geotechnical Material Testing, Inc.**

60 Martin Lane, Elk Grove Village, Illinois 60007  
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**Soil Boring Prepared for:**  
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625 Forest Edge Drive  
Vernon Hills, Illinois 60061

**Boring No.:** **C-04**  
**Date:** Wednesday, December 6, 2023  
**Project:** Beach Elementary School Parking Lot Improvements  
1421 N. Ardmore Drive  
Round Lake Beach, Illinois 60073  
**Project No.:** 23G0530  
**Boring Location:** See Boring Location Diagram  
**Logged By:** L.S.H.  
**Ground Elevation:** \_\_\_\_\_

Sheet 1 of 1

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 4" of Asphalt Pavement					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
			Approximately 8" of Aggregate Base Course					
	1.0		Silty Clay, Trace Sand and Gravel, black, brown and gray, stiff (CL FILL)	SS-1 1.0' - 2.5'	2 3	29.3	1.5	
	2.0		Saturated	6" Recovery	3			
	3.0		END of BORING at 2½ Feet					
	4.0							
	5.0							
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

<b>Drilling Contractor:</b> CGMT, Inc.	<b>Water Level (Ft.):</b> _____
<b>Drilling Method:</b> 3¼" O.D. H.S.A. Split Spoon Sampling	<b>During Drilling:</b> None
<b>Drilling Equipment:</b> Diamond Impregnated Core Barrel & CME-45C Truck Mounted Drill Rig	<b>Immediately After Drilling:</b> None
<b>REVIEWED BY:</b> NPW	



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**Soil Boring Prepared for:**  
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625 Forest Edge Drive  
Vernon Hills, Illinois 60061

**Boring No.:** **C-05**  
**Date:** Wednesday, December 6, 2023  
**Project:** Beach Elementary School Parking Lot Improvements  
1421 N. Ardmore Drive  
Round Lake Beach, Illinois 60073  
**Project No.:** 23G0530  
**Boring Location:** See Boring Location Diagram  
**Logged By:** L.S.H.  
**Ground Elevation:** \_\_\_\_\_

Sheet 1 of 1

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 2 1/2" of Asphalt Pavement Approx. 5 1/2" of Aggregate Base Course					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Silty Clay, Trace Sand and Gravel, brown and gray, stiff (CL FILL)	SS-1 1.0' - 2.5'	2	23.5	1.5	
	2.0		END of BORING at 2 1/2 Feet	18" Recovery	3			
	3.0							
	4.0							
	5.0							
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

<b>Drilling Contractor:</b> CGMT, Inc.	<b>Water Level (Ft.):</b> _____
<b>Drilling Method:</b> 3/4" O.D. H.S.A. Split Spoon Sampling	<b>During Drilling:</b> None
<b>Drilling Equipment:</b> Diamond Impregnated Core Barrel & CME-45C Truck Mounted Drill Rig	<b>Immediately After Drilling:</b> None
<b>REVIEWED BY:</b> NPW	

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**Soil Boring Prepared for:**  
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Vernon Hills, Illinois 60061

**Boring No.:** **C-06**  
**Date:** Wednesday, December 6, 2023  
**Project:** Beach Elementary School Parking Lot Improvements  
1421 N. Ardmore Drive  
Round Lake Beach, Illinois 60073  
**Project No.:** 23G0530  
**Boring Location:** See Boring Location Diagram  
**Logged By:** L.S.H.  
**Ground Elevation:** \_\_\_\_\_

Sheet 1 of 1

Elevation	Depth	Strata	Soil / Rock Description	Sample Type & No. Depth Interval (Ft) Recovery (in)	Blow Count	Moisture Content (%)	Unconfined Compressive Strength (TSF)	Notes & Test Results
	0.0		Approximately 6 1/2" of Asphalt Pavement					Unconfined compressive strength of soil samples estimated using a calibrated penetrometer.
	1.0		Approx. 7 3/4" of Aggregate Base Course					
	1.0		Silty Clay, Trace Sand and Gravel, brown and gray, stiff (CL FILL)	SS-1 1.0' - 2.5'	2	29.4	1.5	
	2.0		Saturated	10" Recovery	3			
	2.5		END of BORING at 2 1/2 Feet					
	3.0							
	4.0							
	5.0							
	6.0							
	7.0							
	8.0							
	9.0							
	10.0							
	11.0							
	12.0							
	13.0							
	14.0							
	15.0							
	16.0							
	17.0							
	18.0							
	19.0							
	20.0							

<b>Drilling Contractor:</b> CGMT, Inc.	<b>Water Level (Ft.):</b> _____
<b>Drilling Method:</b> 3/4" O.D. H.S.A. Split Spoon Sampling	<b>During Drilling:</b> None
<b>Drilling Equipment:</b> Diamond Impregnated Core Barrel & CME-45C Truck Mounted Drill Rig	<b>Immediately After Drilling:</b> None
<b>REVIEWED BY:</b> NPW	