Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-1

G2 CONSULTING GROUP

SUBSURFACE PROFILE

SOIL SAMPLE DATA

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 673.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Brown Sand (6 inches) 0.5							
		Fill: Stiff Dark Brown and Gray Sandy Clay with trace silt, gravel, and organic matter		S-1	5 4 3	7	11.7		4000*
		4.0							
668.0		Fill: Medium Compact Grayish Brown Gravelly Sand with trace silt, clay clods	5	S-2	8 17 6	23			
		5.5							
		Very Stiff to Hard Brown and Gray Silty Clay with trace sand and gravel		S-3	4 7 10	17	14.1		7000*
663.0			10	S-4	6 9 11	20	12.8		9000*
		11.5							
		Very Stiff Gray Silty Clay with trace sand and gravel							
658.0		15.0	15	S-5	6 6 7	13	12.9		7000*
		End of Boring @ 15 ft							
653.0			20						

Total Depth: 15 ft
Drilling Date: April 16, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
2-1/4 inch inside diameter hollow stem augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings

Figure No. 1

SOIL / PAVEMENT BORING 250319.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 5/13/25

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-2

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 672.5 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Brown Sand (6 inches) 0.2							
		Fill: Brown Sand with trace gravel and brick 1.0							
		Hard Brown Silty Clay with trace sand and gravel		S-1	4 4 5	9	12.8		9000*
		3.0							
667.5		Very Stiff Brown and Gray Silty Clay with trace sand and gravel	5	S-2	2 3 4	7	19.9		4000*
		5.5		S-3	6 9 13	22	13.5		9000*
662.5		Hard Brown Silty Clay with trace sand and gravel	10	S-4	8 11 16	27	12.8		9000*
		11.0							
657.5		Very Stiff Gray Silty Clay with trace sand and gravel, occasional sand seams 15.0	15	S-5	4 5 6	11	9.0		6000*
		End of Boring @ 15 ft							
652.5			20						

Total Depth: 15 ft
Drilling Date: April 16, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
2-1/4 inch inside diameter hollow stem augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings

Figure No. 2

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-3

G2 CONSULTING GROUP

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 673.5 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Bituminous Concrete (4 inches) 0.3							
		Fill: Dark Brown Sand and Gravel with trace brick 0.9							
		Fill: Hard Dark Brown Silty Clay with trace sand and gravel		S-1	3 5 6	11	10.5		9000*
		3.0							
668.5		Stiff Brown and Gray Silty Clay with trace sand and gravel	5	S-2	3 4 5	9	19.0		4000*
		5.5		S-3	7 13 17	30	13.1		9000*
663.5		Hard Brown Silty Clay with trace sand and gravel	10	S-4	7 12 16	28	11.8		9000*
		11.0							
658.5		Very Stiff Gray Silty Clay with trace sand and gravel 15.0	15	S-5	4 4 7	11	12.7		7000*
		End of Boring @ 15 ft							
653.5			20						

Total Depth: 15 ft
Drilling Date: April 17, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
2-1/4 inch inside diameter hollow stem augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings and capped with cold patch

Figure No. 3

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-4

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 673.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Bituminous Concrete (4 inches) 0.3							
		Fill: Dark Brown Sand and Gravel with trace brick 0.9							
		Fill: Stiff Dark Gray and Black Silty Clay with trace sand, gravel and organic matter (Organic Matter Content = 3.5%) 3.0		S-1	5 3 4	7	22.0		4000*
668.0		Stiff Brown and Gray Silty Clay with trace sand and gravel	5	S-2	1 2 3	5	20.5		2000*
		5.5		S-3	6 10 13	23	12.6		9000*
		Hard Brown Silty Clay with trace sand and gravel 9.0		S-4	8 17 26	43	9.7		9000*
663.0		Compact Brown Silty Sand with trace gravel	10						
		11.0							
		Very Stiff Gray Silty Clay with trace sand and gravel 15.0	15	S-5	5 7 6	13	12.5		5000*
658.0		End of Boring @ 15 ft							
653.0			20						

Total Depth: 15 ft
Drilling Date: April 17, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
2-1/4 inch inside diameter hollow stem augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings and capped with cold patch

Figure No. 4

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-5

G2 CONSULTING GROUP

SUBSURFACE PROFILE

SOIL SAMPLE DATA

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 671.5 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Brown Sand (1 inch) 0.1							
		Fill: Dark Brown Sand with trace gravel and glass 1.0							
		Fill: Loose Dark Brown Sand with trace clay clods, gravel, and organic matter (Organic Matter Content = xx%) 2.5		S-1	5 5 5	10			
666.5		Fill: Very Loose Brown Sand with trace silt and gravel	5	S-2	3 2 1	3			
		5.5							
		Fill: Very Loose Dark Brown Silty Sand with trace organic matter		S-3	0 0 0	0			
		8.0							
661.5		Fill: Very Loose Dark Gray Sand with trace silt and gravel	10	S-4	0 0 0	0			
		12.0							
656.5		Medium Compact Brown Sand with trace silt and gravel	15	S-5	11 14 14	28			
		16.0							
651.5		Very Stiff Gray Silty Clay with trace sand and gravel 20.0	20	S-6	10 12	22	13.7		5000*

Total Depth: 20 ft End of Boring @ 20 ft
Drilling Date: April 16, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
2-1/4 inch inside diameter hollow stem augers

Water Level Observation:
5-1/2 feet during drilling operations; 4-1/2 feet upon completion

Notes:
Borehole collapsed at 6-1/2 ft after auger removal
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings

Figure No. 5

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-8

G2 CONSULTING GROUP

SUBSURFACE PROFILE

SOIL SAMPLE DATA

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 672.5 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Topsoil: Dark Brown Sand (1 inch) 0.1							
		Fill: Hard Dark Brown and Gray Silty Clay with little sand, trace gravel and organic matter (Organic Matter Content=2.8%)		S-1	4 7 8	15	15.4		9000*
		3.0							
667.5		Stiff Brown and Gray Silty Clay with trace sand and gravel 5.0	5	S-2	4 4 4	8	16.3		3000*
		End of Boring @ 5 ft							
662.5			10						
657.5			15						
652.5			20						

Total Depth: 5 ft
Drilling Date: April 16, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
4 inch diameter solid stem flight augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings

Figure No. 8

SOIL / PAVEMENT BORING 250319.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 5/13/25

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-9

CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 672.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Bituminous Concrete (6 inches) 0.5							
		Fill: Dark Brown Sand and Gravel with trace concrete 0.9							
		Fill: Very Stiff Dark Gray Silty Clay with trace sand,gravel, brick, and wood (Organic Matter Content=2.1%)		S-1	5 4 3	7	14.2		4000*
		3.0							
667.0		Very Stiff Brown and Gray Silty Clay with trace sand and gravel	5	S-2	2 3 5	8	15.6		5000*
		5.5							
		Hard Brown Silty Clay with trace sand and gravel		S-3	8 11 7	18	13.6		9000*
		7.5							
		End of Boring @ 7.5 ft							
662.0			10						
657.0			15						
652.0			20						

Total Depth: 7.5 ft
Drilling Date: April 16, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
2-1/4 inch inside diameter hollow stem augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings and capped with cold patch

Figure No. 9

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-10

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 673.5 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Bituminous Concrete (7 inches) 0.6							
		Fill: Dark Brown Sand and Gravel with trace concrete 1.1							
		Fill: Very Stiff Dark Gray and Black Silty Clay with trace sand, gravel, and organic matter (Organic Matter Content=4.1%) 3.0		S-1	3 3 4	7	21.3		5000*
668.5		Medium Light Gray Silty Clay with trace sand and gravel 5.0	5	S-2	2 2 2	4	22.4		1000*
		End of Boring @ 5 ft							
663.5			10						
658.5			15						
653.5			20						

Total Depth: 5 ft
Drilling Date: April 16, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
4 inch diameter solid stem flight augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings and capped with cold patch

Figure No. 10

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-14

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 673.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Fill: Dark Gray Gravelly Sand with trace debris							
		1.5							
		Fill: Hard Dark Gray and Gray Silty Clay with trace sand, gravel, and organic matter		S-1	15 6 5	11	12.7		9000*
		3.0							
		Hard Brown and Gray Silty Clay with trace sand and gravel		S-2	4 5 6	11	10.1		9000*
668.0		5.0	5						
		End of Boring @ 5 ft							
663.0			10						
658.0			15						
653.0			20						

Total Depth: 5 ft
Drilling Date: April 16, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
4 inch diameter solid stem flight augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings

Figure No. 14

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-15

G2 CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 671.5 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Bituminous Concrete (4 inches) 0.3							
		Fill: Dark Brown Sand and Gravel with trace brick 0.8							
		Fill: Very Stiff Mottled Dark Gray and Bluish Gray Silty Clay with trace sand, gravel, and organic matter (Organic Matter Content=1.2%)		S-1	3 5 5	10	14.1		6000*
		3.0							
666.5		Hard Brown and Gray Silty Clay with trace sand and gravel 5.0	5	S-2	4 7 12	19	14.6		9000*
		End of Boring @ 5 ft							
661.5			10						
656.5			15						
651.5			20						

Total Depth: 5 ft
Drilling Date: April 17, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
4 inch diameter solid stem flight augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings and capped with cold patch

Figure No. 15

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-16

CONSULTING GROUP

SUBSURFACE PROFILE				SOIL SAMPLE DATA					
ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 672.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Bituminous Concrete (4 inches) 0.3							
		Fill: Dark Brown Sand and Gravel with trace brick 1.1							
		Fill: Very Stiff Dark Gray and Black Silty Clay with trace sand, gravel, and organic matter (Organic Matter Content=4.0%) 3.0		S-1	13 4 4	8	21.3		7000*
667.0		Medium to Stiff Brown and Gray Silty Clay with trace sand and gravel 5.0	5	S-2	1 2 3	5	22.2		2000*
		End of Boring @ 5 ft							
662.0			10						
657.0			15						
652.0			20						

Total Depth: 5 ft
Drilling Date: April 17, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
4 inch diameter solid stem flight augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings and capped with cold patch

Figure No. 16

Project Name: Oakland Community College Southfield Campus Driving Pad

Project Location: 22322 Rutland Drive
Southfield, Michigan 48075

G2 Project No. 250319

Latitude: N/A Longitude: N/A

Soil Boring No. B-17

CONSULTING GROUP

SUBSURFACE PROFILE

SOIL SAMPLE DATA

ELEV. (ft)	PRO-FILE	GROUND SURFACE ELEVATION: 672.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	STD. PEN. RESISTANCE (N)	MOISTURE CONTENT (%)	DRY DENSITY (PCF)	UNCONF. COMP. STR. (PSF)
		Bituminous Concrete (4 inches) 0.3							
		Fill: Crushed Bituminous Concrete 1.3							
		Fill: Dark Brown Sand and Gravel with trace brick 1.7							
		Fill: Very Stiff Bluish Gray and Brown Silty Clay with trace sand, gravel, and organic matter (Organic Matter Content=1.7%) 3.0		S-1	4 3 5	8	18.8		5000*
667.0		Stiff Brown and Gray Silty Clay with trace sand and gravel 5.0	5	S-2	2 3 4	7	18.1		3000*
		End of Boring @ 5 ft							
662.0			10						
657.0			15						
652.0			20						

Total Depth: 5 ft
Drilling Date: April 17, 2025
Inspector:
Contractor: Triple R Drilling
Driller: R. Rau

Drilling Method:
4 inch diameter solid stem flight augers

Water Level Observation:
Dry during and upon completion of drilling operations

Notes:
* Calibrated Hand Penetrometer

Excavation Backfilling Procedure:
Auger cuttings and capped with cold patch

Figure No. 17

SOIL / PAVEMENT BORING 250319.GPJ 20150116 G2 CONSULTING DATA TEMPLATE.GDT 5/13/25