

5/15/2025

Oakland Community College

Southfield Project: SF25-003 – Driving Pad and Storage

Addendum No. 2

A. Bid Due Date:

- Bids are due May 22, 2025 at 2:00 P.M.
- Bids are to be submitted through Building Connected. Please make sure you are familiar with the platform prior to submitting a bid.
- Please make sure your bidding status is accurate in Building Connected.

B. Documents Included in Addendum

- 1. Pre-Bid RFIs
- 2. Soil Borings and site plan.
- C. Comments/Notes

Dated 5/15/2025

SF25-003 Driving Pad and Storage – Pre Bid RFIs

Albaugh Masonry - Southfield Driving Pad and Storage - Pre Bid RFIs

- Current specifications for 072100 call for XPS cavity insulation to have all seams sealed between courses (3.4-A-d.). There is also a 072700 Fluid Applied Air Barrier applied to the walls. This would create a double weather barrier. Industry standard for XPS insulation over a Fluid Applied Air Barrier is to fit tight between wall anchors with the foam sealant only for large gaps and cracks. Please clarify if this is necessary.
 RESPONSE: Provide air/moisture barrier on CMU only.
- 2. Current structural documents show a typical location for movement joints. Section 1.2.1 of the TMS 402 *Building Code Requirements for Masonry Structures* requires that all Code-required drawings items are shown on the project drawings. Please locate movement joints on structural.

RESPONSE: All movement joints are shown on the structural and architectural drawings.

3. The use of horizontal reinforcement with bond beams at regular intervals on S3.0 & S3.1 looks to be more than is typically shown. Is there some external factor leading to the additional courses of bond beams at non bearing locations? Please refer to TMS 402 Section 7.3.2.3.1. which requires at least two longitudinal wires of W1.7 (MW11) joint reinforcement spaced at not more than 16 in. (406 mm) on center, or at least 0.2 in 2 (129 mm 2) in cross-sectional area of bond beam reinforcement spaced at not more than 120 in. (3048 mm) on center.

RESPONSE: See comments from SDI: "We cannot have any control joints on the west walls due to the window jambs, except for a control joint at each end of the wall. I've already shown the locations of all control joints, and those should be followed.

The reason we have more bond beams than usual is directly related to this: when control joints are limited, additional bond beams are needed to redistribute stresses and minimize cracking."

Regards,

Hadi

Toebe Construction:

1. Plan sets call for 21AA limestone, but the project specifications for aggregate base defer to the MDOT 2020 specs. Under MDOT spec 902.05, , 21AA crushed concrete and slag are acceptable materials for 21AA.

Are we able to use either of these materials in lieu of a limestone product? Crushed concrete may be considered as a voluntary alternate bid but base bid must include crushed limestone. Slag will not be accepted.

Barton Malow:

- 1. Plans and specs do not show any fire alarm information. Are there any fire alarms in the building? If so, please provide spec. **No fire alarms are required by code.**
- 2. Please provide soil tests. Soil borings provided.

Fessler and Bowman:

- 1. For utility demo, are we allowed to backfill with native soils? Yes, with oversight from material testing inspection to ensure proper backfill procedures and compaction are followed and proper on-site native soils are used that would meet the requirements of engineered fill (compactable materials).
- 2. I appreciate you pointing out light pole bases as a requirement for our scope. I did not see those specifically in there but it falls under "all concrete work." That said, do we owe any other work associated with MEP trades? (i.e. are they responsible for their excavation and backfill, concrete encased duct bank (if present), spoils handling, etc.?) Electrical contractor is responsible for their own trenching and backfill. Electrical contractor also is to provide anchors for their light poles for site work contractors to embed.
- 3. We assume damproofing is by others due to block walls? Damproofing is responsibility of site contractor, please refer to drawing A5.1, wall sections.
- 4. The perimeter of the new asphalt parking does not appear to be curbed and grading plan notes top of pavement. Can you confirm the only curb is in the ROW? Correct, parking lot is designed for gravity drainage to green belts, i.e. no curb. Please refer to sheet C4.02, where curb is necessary.
- 5. There are no special finishes noted for either site concrete or the interior slab with one exception; sheet A10.1 notes resinous floor coating in the service bay. I do not see this in our scope therefore am assuming its by others. Correct, resinous flooring is responsibility of painting contractor.

American Fence:

1. The fence detail on sheet C8.00 shows 3" o.d. line posts, 4"0.d. terminal posts and middle rail.

The specifications read fence materials per 2020 MDOT Standard Specifications for Construction (which dictate 2 1/2"o.d. line posts and 3"o.d. terminals). Please clarify which size posts are to be used and if a continuous middle rail is required, or if bracing is acceptable at all terminal posts. Contractor is to bid fence as detailed on sheet C8.0 with 4" terminal posts, 3" line posts, and continuous intermediate and bottom rail (no tension wire). Bidders may provide voluntary bid alternates for the post size reductions, as well as pneumatically driven line posts in lieu of line posts in concrete footings for owner's consideration.

Site Development:

1. In regards to the scope for the earthwork & landscaping can you confirm the thickness the earthwork contractor is to leave the landscape held down? The landscape scope says 1' & the earthwork says 3"? also can you confirm which scope is responsible for the topsoil placement? If you would like to discuss please feel free to reach out. Sitework contractor is responsible for leaving the landscape held down to 3 inches below grade. Landscape contractor will be responsible to bring to grade.

Notes:

- 1. Landscape contractor will be responsible for reseeding of all disturbed areas of the project.
- 2. Sitework contractor to stock pile existing top soil in area chosen by Barton Malow.

	Proj	ect Nan	ne: Oakland Community College Southfield C	^{npus} Soil Boring No. B-1						
	Proj	ect Loca	ation: 22322 Rutland Drive		n					
			Southfield, Michigan 48075		(— C	ONSUL	TING G	ROUP	
	G2 I	Project I	No. 250319							
	Lati	tude: N/							Δ	
EI	EV.	PRO-		DEPTH	SAMPLE	BLOWS/	STD. PEN.		DRY	UNCONF.
(ft)	FILE		(ft)	TYPE-NO.	6-INCHÉS	(N)	(%)	(PCF)	(PSF)
			Topsoli: Dark Brown Sand (6 Incnes) 0.5							
-	-		Fill: Stiff Dark Brown and Gray Sandy Clay with trace silt, gravel, and organic matter		<u>S-1</u>	5 4 3	7	11.7		4000*
-	58.0		4.0 Fill: Medium Compact Grayish Brown Gravelly Sand with trace silt, clay clods	5	S-2	8 17 6	23			
-	_			-	<u>5-3</u>	4 7 10	17	14.1		7000*
- <u>66</u> -	- 53.0 -		Very Stiff to Hard Brown and Gray Silty Clay with trace sand and gravel	10	S-4	6 9 11	20	12.8		9000*
E.CDT 5/13/25	- - 58.0		Very Stiff Gray Silty Clay with trace sand and gravel		S-5	6 6 7	13	12.9		7000*
ONSULTING DATA TEMPLATI	-		End of Boring @ 15 ft							
20150116 G2 C	53.0			20						
19.GPJ	otal rillir	Depth: 1g Date:	15 ft April 16, 2025	Wateı Dry	Level Ob during a	oservation nd upon	n: completior	n of drilling	g operati	ons
IL C D	Inspector: Contractor: Triple R Drilling I Driller: R. Rau			Notes: * Calibrated Hand Penetrometer						
U U	Drilling Method:				ation Bac ger cuttin	kfilling P gs	rocedure:			
Z-1/4 men mside diameter nonow stem augers						Fier	ura No. 1			
SO									Figl	. OVI 911

Pro	oject Nar	ne: Oakland Community College Southfield Driving Pad	Campus Soil Boring No. B-2						
Pro	oject Loc	ation: 22322 Rutland Drive Southfield, Michigan 48075		()		ONCUR			
G2	Project	No. 250319			7	ONSUL	I ING G	ROUP	
Lat	itude: N	A Longitude: N/A							
		SUBSURFACE PROFILE			S	OIL SAM	PLE DAT	A	-
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)
		Fill: Brown Sand with trace gravel and	2						
-		Hard Brown Silty Clay with trace sand and gravel		S-1	4 4 5	9	12.8		9000*
- - 667.5		Very Stiff Brown and Gray Silty Clay with trace sand and gravel		S-2	2 3 4	7	19.9		4000*
-		5.1	<u>-</u>	<u>5-3</u>	6 9 13	22	13.5		9000*
- - <u>662.5</u>		Hard Brown Silty Clay with trace sand and gravel		5-4	8 11 16	27	12.8		9000*
CDT 5/13/25		Very Stiff Gray Silty Clay with trace sand and gravel, occasional sand seams		- - - - - -	4 5 6	11	9.0		6000*
ATA TEMPLATE.	-	End of Boring @ 15 ft					5.0		
G2 CONSULTING E	-								
50116									
G Tota	l Depth: ing Date	15 ft : April 16, 2025	Water Dry	r Level Ol during a	servation nd upon	n: completior	of drilling	g operati	ons
STILL STORE	nspector: Iontractor: Triple R Drilling Driller: R. Rau			: alibrated	Hand Per	netrometer			
	ing Meth	nod:	Excav Aug	ation Bac ger cuttin	:kfilling P gs	rocedure:			
2-1 III / DA	1/4 INCh	inside diameter nollow stem augers						Fier	
so								Figi	ure NO. 2

	Project Name: Oakland Community College Southfield Campus Driving Pad					Soil Boring No. B-3					
	Proj	ject Loc	ation: 22322 Rutland Drive		()				-		
			Southfield, Michigan 48075		(— C	ONSUL	TING G	ROUP		
	G2	Project	No. 250319								
	Lati	itude: N							٨		
ŀ		<u>г г</u>	SUBSURFACE PROFILE	1		3	STD PEN			UNCONF.	
	ELEV. (ft)	PRO- FILE	GROUND SURFACE ELEVATION: 673.5 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	RESISTANCE (N)	CONTENT (%)	DENSITY (PCF)	COMP. STR. (PSF)	
			Bituminous Concrete (4 inches) 0.3 Fill: Dark Brown Sand and Gravel with								
	-		Fill: Hard Dark Brown Silty Clay with			3					
			trace sand and graver		S-1	6	11	10.5		9000*	
-	- - 668.5		3.0 Stiff Brown and Gray Silty Clay with trace sand and gravel		<u>S-2</u>	3 4 5	9	19.0		4000*	
_	-				<u>S-3</u>	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*	
E.GDT 5/13/25	- - - 658.5		11.0 Very Stiff Gray Silty Clay with trace sand and gravel 15.0		- - - S-5	4 4 7	11	12.7		7000*	
16 G2 CONSULTING DATA TEMPLAT	-	-	End of Boring @ 15 ft		-						
01501	<u>653.5</u>			20							
0319.GPJ 2	Total Drillin	Depth: ng Date	15 ft : April 17, 2025	Wate Dry	r Level Ob during a	oservation nd upon	n: completior	n of drilling	g operati	ons	
Contractor: Triple R Drilling Notes: Driller: R. Rau * Calibrat			tes: Calibrated Hand Penetrometer								
Image: Non-Structure in the structure in											
A 2-1/4 men inside diameter nonow stem augers								Figu	ure No. 3		

ſ	Project Name: Oakland Community College Southfield Campus				Soil Boring No. B-4					
	Proj	ject Loc	ation: 22322 Rutland Drive							
	-		Southfield, Michigan 48075			C	ONSUL	FING G	ROUP	
	G2	Project	No. 250319			7				
	Lati	tude: N	/A Longitude: N/A							
			SUBSURFACE PROFILE			S	OIL SAM	PLE DAT	4	
	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 Brown Sand and Gravel with	-						
-			Fill: Stiff Dark Gray and Black Silty Clay with trace sand, gravel and organic		-	5				
ŀ			matter (Organic Matter Content = 3.5%)		S-1	3 4	7	22.0		4000*
ŀ			3.0		-					
	668.0		Stiff Brown and Gray Silty Clay with trace sand and gravel		S-2	1 2 3	5	20.5		2000*
			5.5	-						
			Hard Brown Silty Clay with trace sand			6 10				
			and gravel		<u>S-3</u>	13	23	12.6		9000*
			9.0		<u>S-4</u>	8 17 26	43	9.7		9000*
	663.0		Compact Brown Silty Sand with trace gravel	10						
.GDT 5/13/25	 658.0		Very Stiff Gray Silty Clay with trace sand and gravel		- - - - S-5	5 7 6	13	12.5		5000*
PLATE			End of Boring @ 15 ft							
1 501 1 6 G2 CONSULTING DATA TEM										
7PJ 20	Total	Denth [.]	15 ft	Water	r Level Of	servation	<u>.</u> זי	I	I	1
319.C	Drilli	ng Date	April 17, 2025	Dry	during a	nd upon	 completior	of drilling	g operati	ons
Contractor: Triple R Drilling Notes Driller: R. Rau * C			Notes: * Calibrated Hand Penetrometer							
Excavation Backfilling Procedure:				2						
\mathbb{E} Drilling Method: \mathbb{E} 2-1/4 inch inside diameter hollow stem augers										
IL / P/	- 1	,							F:-	uro N.a. A
SO									Figt	are NO. 4



Project N	Name: Oakland Community College Southfield (Driving Pad	Campus	5		Soil	Borin	g No.	B-8
Project L	ocation: 22322 Rutland Drive Southfield, Michigan 48075		(2			TINGG		
G2 Proje	ct No. 250319			7	ONSOL			
Latitude	: N/A Longitude: N/A							
	SUBSURFACE PROFILE			5	SOIL SAM	PLE DAT	A	
ELEV. PRO (ft) 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)							
	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*
667.5	3.0 Stiff Brown and Gray Silty Clay with trace sand and gravel)) 5	S-2	4 4 4	8	16.3		3000*
	End of Boring @ 5 ft							
662.5 662.5 662.5 657.5 657.5 657.5 657.5 657.5 657.5 7 0 1 Dep Drilling Da Inspector: Contracto Driller:	th: 5 ft ate: April 16, 2025 r: Triple R Drilling R. Rau		Level Ok during a	oservation nd upon Hand Per	n: completion	n of drilling	g operati	ons
Drilling M	r. rau	Excav Auc	ation Bac ger cuttin	kfilling P gs	rocedure:			
4 inch d	iameter solid stem flight augers	-	-	-				
							Figu	ire No. 8

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

Project N	Jame: Oakland Community College Southfield (Driving Pad	Soil Boring No. B-9						
Project L	ocation: 22322 Rutland Drive Southfield, Michigan 48075		(2		ONSUI.	TING G	ROUP	
G2 Proje	ct No. 250319			7				
Latitude	: N/A Longitude: N/A							
	SUBSURFACE PROFILE			5	OIL SAM	PLE DAT	A	1
ELEV. PRO (ft) 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 0.5	<u>;</u> } 	-					
	Fill: Very Stiff Dark Gray Silty Clay with trace sand,gravel, brick, and wood (Organic Matter Content=2.1%) 3.0		S-1	5 4 3	7	14.2		4000*
667.0	Very Stiff Brown and Gray Silty Clay with trace sand and gravel	5	<u>s-2</u>	2 3 5	8	15.6		5000*
	Hard Brown Silty Clay with trace sand and gravel 7.5		<u>S-3</u>	8 11 7	18	13.6		9000*
 <u>662.0</u> 		10						
<u>657.0</u>								
652.0 Total Depi Drilling Da Inspector Contracto Driller:	th: 7.5 ft ate: April 16, 2025 r: Triple R Drilling	20 Water Dry Notes	r Level Ol during a	oservation nd upon	n: completior	of drilling	g operati	ons
Drilling Mo 2-1/4 in	ethod: ch inside diameter hollow stem augers	Excav Aug	ation Bac ger cuttin	kfilling P gs and ca	rocedure: apped with	cold patc	h	
							Figu	ure No. 9

	Project Name: Oakland Community College Southfield Campus Driving Pad						Soil E	oring	No.	B-10	
	Proj	ject Loc	ation: 22322 Rutland Drive	5		()					
	C 2	Ducient		5		(4	7 C	ONSUL	FING G	ROUP	
	Lati	tude: N	/A Longitude: N/A								
			SUBSURFACE PROFILE	Ξ			S	OIL SAM	PLE DAT	Ą	
	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 inch Fill: Dark Brown Sand and Grav trace concrete	nes) <u>0.6</u> rel with <u>1.1</u>							
			Fill: Very Stiff Dark Gray and Bla Clay with trace sand, gravel, organic matter (Organic Matter Content=4.	ack Silty and 1%) 3.0		S-1	3 3 4	7	21.3		5000*
			Medium Light Gray Silty Clay trace sand and gravel	with 5.0		S-2	2 2 2 2	4	22.4		1000*
			End of Boring @ 5 ft	5.0							
						K					
	663.5				10						
25											
:CDT 5/13/	658.5										
A TEMPLATE											
ULTING DAT											
16 G2 CONS											
01501	653.5				20						
319.GPJ 2	Total Drillir	Depth: 1g Date	5 ft : April 16, 2025		Water Dry	Level Ob during a	oservation nd upon	ո։ completior	of drilling	g operati	ions
ORING 250	Contr Drille	ractor: r:	Triple R Drilling R. Rau		Notes * Ca	: alibrated	Hand Per	netrometer			
AVEMENT BO	Drillir 4 ir	ng Meth Ich diar	nod: neter solid stem flight augers		Excav Aug	ation Bac ger cuttin	kfilling P gs and ca	rocedure: apped with	cold patcl	n	
SOIL / P										Figu	re No. 10

	Project Nan	ne: Oakland Community College So Driving Pad	s		Soil E	Boring	No.	B-14	
	Project Loca	ation: 22322 Rutland Drive Southfield, Michigan 48075		(2		ONSUI ⁻	TING G	ROUP	
	G2 Project	No. 250319			7				
	Latitude: N	/A Longitude: N/A							
		SUBSURFACE PROFILE				SOIL SAM	PLE DAT	A	
EL (EV. PRO- ft) FILE	GROUND SURFACE ELEVATION: 67	3.0 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 tra debris	ice 	-	15				
-		Fill: Hard Dark Gray and Gray Silty C with trace sand, gravel, and organi matter	lay - c <u>3.0</u>	<u>S-1</u>	6 5	11	12.7		9000*
- 66	.8.0	Hard Brown and Gray Silty Clay with trace sand and gravel	h	S-2	4 5 6	11	10.1		9000*
-	_	End of Boring @ 5 ft	-						
-	-								
-				K					
66	3.0		10						
-				-					
/25	-		-	-					
E.GDT 5/13,	8.0		- 15	-					
TA TEMPLAT	-	•	_	-					
SULTING DA	_		_						
116 G2 CON			_	-					
⁶⁵ 65	3.0		20						
319.GPJ 2	otal Depth: rilling Date:	5 ft April 16, 2025	Wate Dry	r Level Ob v during a	oservatio nd upon	n: completior	n of drilling	g operati	ions
D C D	spector: ontractor: riller:	Triple R Drilling R. Rau	Note: * C	s: alibrated	Hand Per	netrometer			
UEMENT BC	rilling Meth	od:	Excav Au	ation Bac ger cuttin	:kfilling P gs	rocedure:			
JIL / PA	4 men dian	ieter solid stem flight augers						Figure	re No. 17
SC								rigu	10.14

	Proj	Project Name: Oakland Community College Southfield Campus Driving Pad					Soil E	Boring	No.	B-15
	Proj	ject Loo	cation: 22322 Rutland Drive Southfield, Michigan 48075		(2)
	G2	Project	No. 250319			7	UNJUL			
	Lati	itude: N	J/A Longitude: N/A							
		,	SUBSURFACE PROFILE			S	OIL SAM	PLE DAT	A	
	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)
			Fill: Dark Brown Sand and Gravel with trace brick	<u>3</u> 8 	-					
			Fill: Very Stiff Mottled Dark Gray and Bluish Gray Silty Clay with trace sand, gravel, and organic matter (Organic Matter Content=1.2%) 3.		S-1	3 5 5	10	14.1		6000*
			Hard Brown and Gray Silty Clay with trace sand and gravel			4				
	666.5		5. End of Boring @ 5 ft	0 5	<u>S-2</u>	12	19	14.6		9000*
		-								
		-		-						
	661.5			10						
		-								
		-								
F 5/13/25		_			-					
MPLATE.GD1	656.5	-		15						
NG DATA TE		-								
CONSULTI		_								
:01 501 16 G	651.5	_		20						
0319.GPJ 2	Total Drillii Inspe	Depth: ng Date	: 5 ft 2: April 17, 2025	Wate Dry	r Level Ob during a	oservation nd upon	ո։ completior	n of drilling	g operat	ions
SORING 25	Conti Drille	ractor: er:	Triple R Drilling R. Rau	Notes * Ca	: alibrated	Hand Per	etrometer			
AVEMENT B	Drilliı 4 ir	ng Metl nch dia	hod: meter solid stem flight augers	Excav Aug	ation Bac ger cuttin	kfilling P gs and ca	rocedure: apped with	cold patcl	h	
SOIL / F									Figu	re No. 15

	Project Name: Oakland Community College Southfield Campus Driving Pad				Soil E	oring	No.	B-16			
	Proj	ject Loc	cation: 22322 Rutland Drive			()					
			Southneid, Michigan 48075			(4	 C	ONSUL	FING G	ROUP	
	G2 Lati	Project	No. 250319								
ŀ	Lati	luue. N								Δ	
-	ELEV.	PRO-		(7) 0 ft	DEPTH	SAMPLE	BLOWS/	STD. PEN.	MOISTURE	DRY	UNCONF.
_	(ft)	FILE	Bituminous Concrete (4 inche	$\frac{072.0 \text{ IL } \pm}{0.2}$	(ft)	TYPE-NO.	6-INCHÉS	(N)	(%)	(PCF)	(PSF)
			Fill: Dark Brown Sand and Gravel trace brick	with							
			Fill: Very Stiff Dark Gray and Blac	k Silty			13				
-			organic matter (Organic Matter Content=4.0)	nu %)		S-1	4	8	21.3		7000*
-				3.0							
_	· -		Medium to Stiff Brown and Gray	Silty			1				
	667.0		city with trace sails and grav	5.0	5	S-2	23	5	22.2		2000*
			End of Boring @ 5 ft								
-											
-					-						
_		-			-						
	cc2 0										
-	662.0				10						
-					-						
/25											
- 5/13	· -										
TE.GDT	657.0				15						
EMPLA			*								
ATA TI	. –										
-INSNC											
5 G2 C(
150116	652.0				20						
9.GPJ 20	Total	Depth:	5 ft		Water	Level Ok	- oservation	n:			ions
25031	Inspe	ctor:	Triple P. Drilling		Notor		na abou	completior	σιατιπης	y operat	10115
Driller: R. Rau * Calibrated Hand Penetrometer											
ENT BC					Excav	ation Bac	kfilling P	rocedure:	cold pat-	-	
PAVEM	Drillir 4 ir	ng Meth Ich diar	nod: meter solid stem flight augers		Aug	jei cuttin	ys anu Ci	appeu with	colu patel	1	
SOIL / I										Figu	re <u>N</u> o. 16

	Proj	Project Name: Oakland Community College Southfield Campus Driving Pad						Soil E	Boring	No.	B-17
	Proj	ject Lo	cation: 22322 Rutland Drive			n					
			Southfield, Michigan 48075				 C	ONSUL	TING G	ROUP	
	G2	Project	No. 250319								
	Lati	itude: N	N/A Longitude: N/A								
			SUBSURFACE PROFILE		1		5	SOIL SAM		A	
	ELEV. (ft)	PRO- FILE	GROUND SURFACE ELEVATION: 6	72.0 ft ±	DEPTH (ft)	SAMPLE TYPE-NO.	BLOWS/ 6-INCHES	RESISTANCE (N)	CONTENT (%)	DRY DENSITY (PCF)	COMP. STR. (PSF)
		****	Bituminous Concrete (4 inches)	0.3	-						
			Fill: Crushed Bituminous Concret	e 1.3		-					
			Fill: Dark Brown Sand and Gravel w trace brick	vith <u>1.7</u>			4				
			Fill: Very Stiff Bluish Gray and Brow Silty Clay with trace sand, gravel, a	vn Ind		S-1	5	8	18.8		5000*
			organic matter (Organic Matter Content=1.7%)	3.0							
			Stiff Brown and Gray Silty Clay wi trace sand and gravel	th		-	2				
	667.0			5.0	5	S-2	3 4	7	18.1		3000*
			End of Boring @ 5 ft								
		-			-						
		-			-						
	662.0				10						
	002.0	-									
		-									
		_				-					
					L						
3/25											
T 5/1		-									
ATE.GD	657.0	-			15						
TEMPL/		_				-					
DATA .											
LTING		-				-					
CONSU		-				-					
6 G2 (_				-					
015011	652.0				20						
319.GPJ 2	Total Drillir	Depth ng Date	: 5 ft e: April 17, 2025		Water Dry	Level Ok during a	oservation nd upon	n: completior	n of drilling	g operati	ions
RING 250.	Inspe Conti Drille	ector: ractor: er:	Triple R Drilling R. Rau		Notes * Ca	: alibrated	Hand Per	netrometer			
JENT BO		na Mat	hadi		Excav Auc	ation Bac	kfilling P gs and ca	rocedure: apped with	cold patcl	า	
PAVEN	4 ir	nch dia	meter solid stem flight augers			,		P.P. 22 (1991)	pare		
SOIL /										Figu	re No. 17



