

# TEST PIT SUMMARY SHEET

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PROJECT CALE CRK.S. PROS.

DISTRICT PRINCEGEORGE

TEST METHOD CAT/HOE

TEST PIT No.	SAMPLE No.	FIELD DATA								LAB DATA								SOIL CLASSIFICATION	WEIGHTED GRADATION						SUITABILITY	REMARKS							
		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE						DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%	FRACTURE COUNT / MASS		BULK RELATIVE DENSITY C / F	ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND	GRAVEL			75-150 (mm)	150-225 (mm)	225-300 (mm)	>300 (mm)			
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)	225-300 (mm)		>300 (mm)	MAX. SIZE (mm)	FINES																		SAND	GRAVEL	
																																	FINES
1	C3795			3	52	45				0.3									SP	0.3	3	52	45								1.16.14		
				3	42	55				4.0	1	32	67	71	75					GP	3.7	1	32	67								4.118.248	
																															4.0	(1.34.65)	
2				3	47	50				0.2									GP	0.2	3	47	50								1.9.10		
				3	87	10				1.3									SP	1.1	3	87	10								3.96.11		
				2	40	58				4.0									GP	2.7	2	40	58								5.108.157		
																															4.0	(2.53.45)	
3				5	80	15				0.8									SP-SM	0.8	5	80	15								4.64.12		
				2	40	58	2	1		4.0									GP	3.2	2	39	56	2	1						6.125.179.63		
																																4.0	(3.47.48.2.17)
4	C3622			6	84	10				0.2									SP-SM	0.2	6	84	10								1.17.2		
				3	42	55	4	2		4.0	1	29	70						GP	3.8	1	27	66	4	2						4.103.251.16.8		
																																4.0	(1.30.63.4.2)
5				3	47	50				0.6									GP	0.6	3	47	50								2.28.30		
				3	87	10				1.2									SP	0.6	3	87	10								2.52.6		
				3	48	49	4	3		4.0									GP	2.8	3	45	45	4	3						9.126.126.129		
																																4.0	(3.52.41.3.1)

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TEST PIT No.	SAMPLE No.	FIELD DATA										LAB DATA								SOIL CLASSIFICATION	WEIGHTED GRADATION							SUITABILITY	REMARKS			
		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE							DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%	FRACTURE COUNT / MASS	BULK RELATIVE DENSITY C / F		ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)			225-300 (mm)	>300 (mm)	
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)	225-300 (mm)	>300 (mm)		MAX. SIZE (mm)	FINES	SAND																		GRAVEL
6	1648			3	42	55	5	3				4.0	1	33	66						GP	4.0	3	39	50	5	3				3.39.50.5.3	
7				4	46	50	8	5	2			2.7									GP	2.7	3	39	43	8	5	2			8.105.116.22.115	
				3	47	50	4	3	1			4.0									GP	1.3	3	43	46	4	3	1			4.56.60.5.4.1	
8				15	60	25						0.2									OB	0.2	15	60	25						3.12.5	
	A658			2	43	55	8	4	2			2.3	1	31	68	79	48				GP	2.1	1	27	47	8	4	2			2.57.99.8.4.2	
				5	40	55	6	2	1			4.0									GP-6M	1.7	5	36	50	6	2	1			9.61.85.10.3.2	
9		0.3		15	40	45						0.3									OB	0.3	15	40	45						5.12.14	
				3	40	57	1					2.4									GP	2.1	3	40	56	1					6.84.118.2	
				3	47	50						4.0									GP	1.6	3	47	50						5.75.80	
10				10	60	30						0.2									TS	0.2	10	60	30						2.12.6	
	C392			3	30	67	3	2				4.0	2	29	69	46	73				GP	3.8	2	28	65	3	2				8.106.247.118	
																															4.0	3.30.62.3.2

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DISTRICT PRINCE GEORGE

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TEST PIT No.	SAMPLE No.	FIELD DATA										LAB DATA								SOIL CLASSIFICATION	WEIGHTED GRADATION						SUITABILITY	REMARKS									
		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE						DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%	FRACTURE COUNT / MASS	BULK RELATIVE DENSITY C / F	ABSORPTION C% / F%		LAYER THICKNESS (M)	FINES	SAND	GRAVEL	75 - 150 (mm)	150 - 225 (mm)			225 - 300 (mm)	> 300 (mm)							
				FINES	SAND	GRAVEL	75 - 150 (mm)	150 - 225 (mm)	225 - 300 (mm)		> 300 (mm)	MAX. SIZE (mm)	FINES																		SAND	GRAVEL					
																																	FINES	SAND	GRAVEL	FINES	SAND
11				7	40	53					0.4								TS/OB	0.4	7	40	53											3.16.21			
				3	40	57	4	3	1		4.0									GP	3.6	3	37	52	4	3	1							11.133.187.14.11			
12				30	35	35					0.3									TS/OB	0.3	30	35	35									9.11.11				
	C3610			3	37	60	5	3	1		4.0									GP	3.7	3	34	55	5	3	1						11.126.203.19.11				
13				7	40	53					0.1									OB	0.1	7	40	53										1.4.5			
				4	38	58	5	5	3		1.5									GP	1.4	4	33	50	5	5	3							6.46.847.7.4			
				5	37	58	3	1			4.0									GP	2.5	5	36	55	3	1								13.90.138.8.3			
14				20	35	45					0.3									OB	0.3	20	35	45										6.11.14			
	C3621			4	38	58	6	2	3		4.0	2	25	73	65	64				GP	3.7	4	34	52	6	2	3								15.126.197.207.11		
15				30	40	30					0.2									OB	0.2	30	40	30										6.8.6			
				3	40	57	5	3	2		1.2									GP	1.0	3	36	51	5	3	2							3.36.51.53.2			
	C3637			4	40	56	3	1			3.0	1	64	35						GP	1.8	4	39	53	3	1										7.70.95.5.2	
				3	60	37					4.0									SP	1.0	3	60	37											3.60.37		
																																				4.0	15.44.47.3.1.4

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TEST PIT No.	SAMPLE No.	FIELD DATA										LAB DATA								SOIL CLASSIFICATION	WEIGHTED GRADATION						SUITABILITY	REMARKS			
		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE						DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%	FRACTURE COUNT / MASS	BULK RELATIVE DENSITY C / F	ABSORPTION C% / F%		LAYER THICKNESS (M)	FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)			225-300 (mm)	>300 (mm)	
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)	225-300 (mm)		>300 (mm)	MAX. SIZE (mm)	FINES																		SAND
16				30	40	30					0.3								OB	0.3	30	40	30							4.0	9.12.9
				3	40	57	4	3			4.0									GP	3.7	3	38	52	4	3					11.141.192.15.11
17				12	40	48				0.2									OB	0.2	12	40	48							4.0	5.38.50.4.3
	C3638			3	39	58	3	2			4.0									GP	3.8	3	37	55	3	2					11.141.209.11.8
18				15	40	45				0.1									OB	0.1	15	40	45							4.0	2.4.5
				3	40	57	7	4	1		4.0									GP	3.9	3	35	50	7	4	1				12.138.195.27.10
19	B4464			4	38	58	9	6	2		4.0	2	23	75	59	62			GP	4.0	2	19	62	9	6	2				4.0	4.34.50.7.4.1
																															4.0
20				4	40	56	10	5	2		4.0								GP	4.0	4	33	46	10	5	2				4.0	4.33.46.10.5.2
21				4	40	56	7	4	3		1.2								GP	1.2	5	34	48	7	4	3					6.41.58.8.5.9
	C3790			4	30	66	7	2	1		3.3								GP	2.1	4	28	59	6	2	1					8.59.124.13.4.2
				3	70	27					4.0									SP	0.7	3	70	27							2.49.19
																														4.0	4.37.50.5.3.1

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		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE						DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%	FRACTURE COUNT / MASS		BULK RELATIVE DENSITY C / F	ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND	GRAVEL			75-150 (mm)	150-225 (mm)	225-300 (mm)	>300 (mm)
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)	225-300 (mm)		>300 (mm)	MAX. SIZE (mm)	FINES																	
22				15	40	45				0.1									OB	0.1	15	40	45						4.0	2.4.5
				3	39	58	10	5	1	1.3									GP	1.2	3	33	49	10	5	1			4.0	4.40.59.12.6.1
				3	42	55	5	3		4.0									GP	2.7	3	39	51	5	3				4.0	8.105.138.14.8
23				3	40	57	10	5	2	1.7									GP	1.7	2	33	47	10	5	2			4.0	4.37.50.7.2
	C3620			2	35	63	4	2	2	4.0	1	40	59						GP	2.3	2	32	58	4	2	2			4.0	5.74.133.9.55
24				10	45	45				0.1									OB	0.1	10	45	45						4.0	1.5.5
				3	45	52	6	2		2.8									GP	2.7	3	42	47	6	2				4.0	8.113.127.16.5
				2	43	55	10	1		4.0									GP	1.2	2	38	49	10	1				4.0	2.46.59.12.1
25				60	20	10				0.3									TS	0.3	60	20	10						4.0	3.41.48.7.1
				4	39	57	8	2		4.0									GP	3.7	4	35	51	8	2				3.7	4.35.51.8.2
26				70	25	5				0.4									OB/TS	0.4									4.0	
	A1982			4	30	56	7	2		4.0	2	28	70	65	72		2.66 2.60	1.14 1.40	GP	3.6									4.0	2.25.64.7.2

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TEST PIT NO.	SAMPLE No.	FIELD DATA										LAB DATA								SOIL CLASSIFICATION	WEIGHTED GRADATION					SUITABILITY	REMARKS										
		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE							DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%	FRACTURE COUNT / MASS	BULK RELATIVE DENSITY C / F		ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND	GRAVEL			75 - 150 (mm)	150 - 225 (mm)	225 - 300 (mm)	> 300 (mm)						
				FINES	SAND	GRAVEL	75 - 150 (mm)	150 - 225 (mm)	225 - 300 (mm)	> 300 (mm)		MAX. SIZE (mm)	FINES	SAND																		GRAVEL					
																																	FINES	SAND	GRAVEL	SAND EQUIV.	DEGRADATION
27				20	35	45					0.2									OB	0.7	20	35	45									4.7-9				
				2	43	55	2	1			1.2									GP	1.6	2	42	53									2.42-53				
				2	48	50	2	1			4.0									GP	2.8	2	47	48	2	1							6.132-134.6.3				
																																	4.0	(3.45-49.2-1)			
28	B4611			2	48	50	3				4.0	1	46	53						GP	4.0													4.0	(1.45-51.3)		
29				15	40	45					0.2									OB	0.2	15	40	45											3.8-9		
				3	40	57	3	1			4.0									GP	3.8	3	39	54	3	1									11.148-205.11.4		
																																			4.0	(1.39-54.2-1)	
30				15	40	45					0.2									OB	0.2	15	40	45											3.8-9		
	2367			3	40	57	3	1			4.0	1	33	66	74	59				GP	3.8	1	32	63	3	1									4.122-239.11.4		
																																			4.0	(2.32-62.3-1)	
31	C4475			70	30	-					1.2	83	18							ML	1.2																
				3	42	55					4.0									GP	2.8															2.8	(3.42-55)

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		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE						DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%	FRACTURE COUNT / MASS		BULK RELATIVE DENSITY C / F	ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND	GRAVEL			75-150 (mm)	150-225 (mm)	225-300 (mm)	>300 (mm)				
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)	225-300 (mm)		>300 (mm)	MAX. SIZE (mm)	FINES																		SAND	GRAVEL		
32		0.1		15	45	40				0.1									OB	0.1	14	45	40									1.5.4		
				2	46	52	3			1.0									GP	0.9	2	45	50	3								2.41.45.3		
				2	58	40				2.0									SP	1.0	2	58	40									2.58.40		
	89378			1	46	53	2			4.0									GP	2.0	1	46	51									2.92.102		
																																4.0	(2.49.48.1)	
33				2	43	55	5	2		4.0									GP	4.0													4.0	(2.43.55.5.2)
34		0.3		20	30	50				0.3									OB	0.3	20	30	50										6.9.15	
	A740			2	32	56	4	2		4.0	1	29	70	71	74				GP	3.7	1	29	65	4	2								4.107.241.15.7	
																																	4.0	(3.28.63.4.2)
35		0.3		20	35	45				0.3									OB	0.3	20	35	45										6.11.14	
				3	40	57	5	2		4.0									GP	3.7	3	38	52	5	2								11.141.192.19.7	
																																	4.0	(4.38.52.4.2)
36		1.3		75	25	0				1.3									ML	1.3														
				3	40	57	5	3		4.0									GP	2.7													(2.7)	(3.40.57.5.3)
37				15	40	45				0.2									OB	0.2	15	40	45										3.8.9	
				3	37	60	6	2		4.0									GP	3.8	3	35	54	6	2								4.0	11.133.205.23.8





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		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE						DEPTH OF BOUNDARIES	GRADATION			DEGRADATION	MgSO4 C% / F%	FRACTURE COUNT / MASS	BULK RELATIVE DENSITY C / F	ABSORPTION C% / F%		LAYER THICKNESS (M)	FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)			225-300 (mm)	>300 (mm)								
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)	225-300 (mm)		>300 (mm)	MAX. SIZE (mm)	FINES																	SAND	GRAVEL	SAND EQUIV.	FINES	SAND	GRAVEL		
43				15	40	45				0.2								OB	0.2																		
				3	45	52	5	2		3.8								GP	3.8	3	42	48	5	2												4.0 (4.42-47.52)	
44		0.5		90	10	0				0.1								TS	0.1																		
				90	10	0				0.5								ML	0.4																		
	A7142			3	40	57	4	1	1	4.0	2	24	74	55	73			GP	3.5																		3.5 (3.38-53.11)
45				90	10	0				0.1								TS	0.1																		
				90	10	0				1.3								ML	1.2																		
				15	40	45				2.0								GM <sub>1</sub>	0.7	1 <sup>c</sup>																	
				4	40	56	7	3	1	4.0								GP	1.0	4	36	49	7	3	1												7.0 (4.36-49.73-1)
46				5	40	55	3	1		0.4								GP-GM	0.4	5	39	52	3	1													2.16-2.11-7
	A-661 B-7456			3	40	57	7	3		4.0	1	31	68	78	74	2.64 2.61	1.15 1.37	GP	3.6	7	28	61	7	3													4.107-226-25.11
																																					4.0 (2.29-60.7-2)
47				12	40	48				0.5								OB	0.5																		
				3	42	55	3			3.0								GP	2.5																		2.5 (3.41-53.3)

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		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE					DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO <sub>4</sub> C% / F%		FRACTURE COUNT / MASS	BULK RELATIVE DENSITY C/F	ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND			GRAVEL	75 - 150 (mm)	150 - 225 (mm)	225 - 300 (mm)	> 300 (mm)							
				FINES	SAND	GRAVEL	75 - 150 (mm)	150 - 225 (mm)		225 - 300 (mm)	> 300 (mm)	MAX. SIZE (mm)																		FINES	SAND	GRAVEL				
48				60	30	10			0.5									OB	0.5																	
	A1631			3	42	55	3		3.0									GP	2.5	3	41	53	3					2.5					3-41-53-3			
49				10	35	55			0.3									OB	0.3	10	35	55												1-10-17		
				3	40	57	6	2	3.0									GP	2.7	3	37	53	5	2										8-100-143-14-5		
				3	40	57	10	6	4.0									GP	1.0	3	34	48	8	5	2									3-34-48-8-5-2		
																																		4.0	3-36-52-6-3-4	
50				10	35	55			0.3									OB	0.3	10	35	55													3-11-17	
	B4920			2	40	58	5	1	4.0									GP	3.7	2	38	55	4	1											7-141-209-15-4	
																																			3-38-55-3-1	
51				8	40	52			0.3									OB	0.3	8	40	52													3-12-16	
				2	40	58	5	2	1.0									GP	0.7	2	37	54	5	2											2-26-58-4-1	
	A10370			2	70	28			3.0	1	84	15						SP	2.0	1	84	15													3-38-54-4-1	
																																			3.0	4-38-54-4-1

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TEST METHOD CAT/HOE

TEST PIT No.	SAMPLE No.	FIELD DATA							LAB DATA								SOIL CLASSIFICATION	WEIGHTED GRADATION						SUITABILITY	REMARKS					
		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE					DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO4 C% / F%	FRACTURE COUNT / MASS		BULK RELATIVE DENSITY C/F	ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND	GRAVEL			75-150 (mm)	150-225 (mm)	225-300 (mm)	>300 (mm)	
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)		225-300 (mm)	>300 (mm)	MAX. SIZE (mm)																		FINES
52				20	35	45			0.3									OB	0.3	20	35	45								6-11-14
				2	40	58	5	2	3.0									GP	2.7	2	37	54	5	2						5-100-146-19-5
				2	40	58	12	8	3	4.0								GP	1.0	2	33	47	10	2	2					2-53-47-10-6-2
																														4.0 (3-36-52-63-7)
53				15	40	45			0.3									OB	0.3	15	40	45								5-12-14
	2357			2	40	58	7	5	1	4.0	1	23	76	74	69			GP	3.7	1	20	67	6	4	1					4-78-248-22-154
																														4.0 (2-23-66-62-1)
54				10	45	45			0.2									OB	0.2	10	45	45								2-9-9
				2	48	50	3	1	2.5									GP	2.3	2	46	48	3	1						5-106-110-7-2
				2	78	20			3.8									SP	1.3	2	78	20								3-101-26
																														4.0 (3-57-38-2-1)
55				90	10				3.5									ML	3.5											
				4	50	46	5	1	4.0									SP	0.5											
56				10	40	30			0.2									OB	0.2	10	40	30								2-8-10
	C3428			2	40	58	8	4	1	4.0	1	41	58					GP	3.8	2	36	51	7	3	1					8-137-199-27-114
																														4.0 (3-36-51-7-2-1)

# TEST PIT SUMMARY SHEET

DATE NOV 20/84

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PROJECT CALE CRK. SOUTH PADS.

DISTRICT PRINCE GEORGE

TEST METHOD CATHOE

TEST PIT No.	SAMPLE No.	FIELD DATA										LAB DATA								SOIL CLASSIFICATION	WEIGHTED GRADATION						SUITABILITY	REMARKS				
		OVERBURDEN DEPTH (M)	WATER TABLE DEPTH (M)	GRADATION ESTIMATE							DEPTH OF BOUNDARIES	GRADATION			SAND EQUIV.	DEGRADATION	MgSO4 C% / F%	FRACTURE COUNT / MASS	BULK RELATIVE DENSITY C / F		ABSORPTION C% / F%	LAYER THICKNESS (M)	FINES	SAND	GRAVEL	75-150 (mm)			150-225 (mm)	225-300 (mm)	>300 (mm)	
				FINES	SAND	GRAVEL	75-150 (mm)	150-225 (mm)	225-300 (mm)	>300 (mm)		MAX. SIZE (mm)	FINES	SAND																		GRAVEL
57				10	40	50					0.2								OB	0.2	10	40	50							2-8-10		
				3	42	55	5	3	1		40								GP	3.8	3	39	50	4	3	1				11-198-190-15-11-4		
58				30	50	20					0.4								OB	0.4	30	50	20							12-20-8		
	2375			2	42	56	12	8	2		2.0	2	37	61	81	66			GP	1.6	2	30	50	10	7	1				3-48-80-16-11-2		
				2	58	40	2				4.0								SP	2.0	2	57	39	2						4-119-78-4		
																														4-46-42-5-3-7		
59				90	10	-					1.7								ML	1.7										-		
				60	20	20	6	2			3.5								ML	1.8										-		
60				8	40	52	5	2			0.3								GP6M	0.3	7	37	49	5	2					2-11-15-2-1		
				3	42	55	10	2			2.5								GP	2.2	3	37	49	9	2					7-81-108-20-4		
				3	42	55	8	5			4.0								GP	1.5	3	37	49	7	4					5-56-74-11-6		
61				25	35	40	7	5			0.8								GMz	0.8										4-37-49-8-2		
	A777			3	40	57	7	5	1		4.0	2	26	72	48	70			GP	3.2	2	23	64	6	4	1				2-23-64-6-4		







**TEST PIT SUMMARY**

PROJECT #:		2331-20055-0 Task 2009												EXCAVATOR:		John Deere 200C LC														
DESCRIPTION:		Cale Creek Pit												DATE:		December 15 and 16, 2010														
TEST PIT NUMBER	SAMPLE NUMBER	DEPTH (m)			LAYER THICKNESS (m)	FIELD VISUAL IDENTIFICATION								LABORATORY TEST RESULTS																
		From	To	Soil Classification		Fines < 0.075 mm (%)	Sand < 4.75 mm (%)	Gravel < 75 mm (%)	ADDITIONAL OVERSIZE				Water Table (m)	Sand Size (F,M,C)	Soil Classification	Fines < 0.075 mm (%)	Sand < 4.75 mm (%)	GRAVEL		Sand Equivalent	Micro-Deval % coarse / % fines	Degrade	MgSO <sub>4</sub> % coarse / % fines	Bulk Relative Density % coarse / % fines	Absorption % coarse / % fines					
									75 - 150 mm (%)	150-300 mm (%)	> 300 mm (%)	Max Size (mm)						< 25 mm (%)	25 - 75 mm (%)											
TP10-01	1	0.0	6.0	6.0	GP	5	39	56	10	5	2	400	-	M,C	GW	2	30	43	25											Lower Pit in Area A
TP10-02	1	0.0	3.2	3.2	GP	2	36	62	10	2	-	200	-	M,C	GP	1	35	56	8	82.3	3.68								North End of Area A	
		3.2	5.2	2.0	GP	2	38	60	5	-	-	100	-	M,C																
TP10-03	1	0.0	6.1	6.1	GP	5	37	58	10	3	2	350	-	M,C															Lower Pit in Area A	
		2.8							5	-	-	100																		
TP10-04	1	0.0	5.0	5.0	GP	4	37	59	12	5	-	250	-	M,C												2.68	0.98	Lower Pit in Area A		
		1.5							8	3	-	200																		
TP10-05	1	0.00	5.5	5.5	GP	5	32	63	10	5	-	200	-	M,C	GW	2	22	60	16	31.6	8.87								Lower Pit in Area A	
TP10-06	1	0.0	5.3	5.3	GP	4	34	62	10	5	-	250	-	M,C												2.69	0.98	Lower Pit in Area A		
TP10-07	1	0.0	1.5	1.5	GP-GM	8	32	60	8	3	-	250	-	M,C															Lower Pit in Area A	
		2	1.5	5.6	4.1	GP	5	36	59	8	2	-	200	-	M,C															
TP10-08*		0.0	0.3	0.3	SP	4	81	15	-	-	-	-	-	F,M															Upper Pit in Area A	
		1.0	0.3	4.0	3.7	GP	4	40	56	5	-	-	150	-	M,C	GP	1	28	55	16						2.62	1.29			
TP10-09*	1.0	0.0	4.0	4.0	GP	4	34	62	8	2	-	200	-	M,C	GP	2	17	64	17	45.5	5.89								Upper Pit in Area A	
TP10-10*	1	0.00	5.0	5.0	SP	4	56	40	2	-	-	100	-	M,C	SP	2	56	28	14										Upper Pit in Area A	
TP10-11	1	0.0	4.5	4.5	GP	5	33	62	10	2	-	200	-	M,C															Upper Pit in Area A	

\* Final depth estimated and not be measured due to sloughing of Test Pit walls

**Note: Soil classifications are based on Ministry of Transportation and Infrastructure Unified Soil Classification System**



**TEST PIT SUMMARY**

PROJECT #:		2331-20055-0 Task 2009													EXCAVATOR:		John Deere 200C LC											
DESCRIPTION:		Cale Creek Pit													DATE:		December 15 and 16, 2010											
TEST PIT NUMBER	SAMPLE NUMBER	DEPTH (m)			LAYER THICKNESS (m)	FIELD VISUAL IDENTIFICATION										LABORATORY TEST RESULTS												
		From	To	Soil Classification		Fines < 0.075 mm (%)	Sand < 4.75 mm (%)	Gravel < 75 mm (%)	ADDITIONAL OVERSIZE				Water Table (m)	Sand Size (F,M,C)	Soil Classification	Fines < 0.075 mm (%)	Sand < 4.75 mm (%)	GRAVEL		Sand Equivalent	Micro-Deval % coarse / % fines	Degrade	MgSO <sub>4</sub> % coarse / % fines	Bulk Relative Density % coarse / % fines	Absorption % coarse / % fines			
									75 - 150 mm (%)	150-300 mm (%)	> 300 mm (%)	Max Size (mm)						< 25 mm (%)	25 - 75 mm (%)									
TP10-12*	1	0.0	4.0	4.0	GP	3	32	65	12	5	2	600	-	M,C	GP	2	34	40	24							2.60	1.27	Area B Pit Floor. Sloughing in TP. End of TP due to boulder.
TP10-13	1	0.0	2.2	2.2	GP	4	34	62	10	4	-	200	-	M,C	GP	3	22	49	26	60.2	3.73							Area B Pit Floor
	-	2.2	2.6	0.4	SP	4	86	10	-	-	-	-	-	M														
	2	2.6	5.0	2.4	GP	3	42	55	10	5	-	250	-	M,C	GP	2	43	41	14									
TP10-14	1	0.0	3.0	3.0	GP	4	36	60	10	5	-	200	-	M,C													Area B Pit Floor	
	2	3.0	4.5	1.5	SP	4	86	10	-	-	2	350	-	M														
	-	4.5	5.0	0.5	GP	4	36	60	10	-	-	150	-	M,C													Hard, difficult digging	
TP10-15	1	0.0	1.8	1.8	SP	3	82	15	2	-	-	100	-	M	SP	2	81	14	3								Area C Pit Floor	
	2	1.8	5.6	3.8	GP	3	41	56	10	2	-	200	-	M,C										2.64	1.18	Sloughing in TP.		
TP10-16	1	0.0	0.7	0.7	GP	3	37	60	10	-	-	150	-	M,C													Area C Pit Floor	
	2	0.7	3.0	2.3	SP	3	82	15	-	-	-	-	-	M														
	-	3.0	4.0	1.0	GP	3	42	55	10	-	-	150	-	M,C													No samples, could not get a clean sample due to sloughing	
	-	4.0	4.5	0.5	SP	3	82	15	-	-	-	-	-	M														
TP10-17	1	0.0	4.5	4.5	GP	3	37	60	10	3	-	200	-	M,C	GP	1	30	52	17	70.2	4.64						Area C Pit Floor. Sloughing in TP	

\* Final depth estimated and not be measured due to sloughing of Test Pit walls

**Note: Soil classifications are based on Ministry of Transportation and Infrastructure Unified Soil Classification System**