TEST PIT SUMMARY

PROJECT	Sanderman Pit	**TEST METHOD**	TRACKED EXCAVATOR
DISTRICT	Peace	**DATE**	October 2013

TEST PIT NUMBER	SAMPLE NUMBER	DEPTH (m) From	DEPTH (m) To	LAYER THICKNESS (m)	FIELD VISUAL IDENTIFICATION: SOIL CLASSIFICATION	FINES	SAND	GRAVEL	OVERSIZE: 75-150mm (%)	150-300mm (%)	>300mm (%)	MAX SIZE (mm)	WATERTABLE (m)	LABORATORY TEST RESULTS: PIT RUN SOIL CLASSIFICATION	PIT RUN FINES	PIT RUN SAND	PIT RUN GRAVEL	CRUSH FINES	CRUSH SAND	CRUSH GRAVEL	DURABILITY: SAND EQUIVALENT	MICRO DEVAL	DEGRADE	MgSO4 %coarse/ %fine	FRACTURE A/B	B.R.D coarse/fines	ABSORPTION %coarse/%fines	Remarks
13-01		0.0	0.6	0.6	GW																								Gray, uniform gravel from 0.61 m to 5.49 m. Not a lot of large rocks. Small pockets of of silty sand appear in gray gravel from 5.18-5.49
		0.6	5.5	4.9	GW								5.3																
13-02		0.0	0.6	0.6	GW																								
		0.6	4.1	3.5	GW																								
		4.11	5.49	1.38	SM1																								
13-03		0	0.76	0.76	GW																								
		0.76	4.11	3.35	GW																								
		4.11	5.18	1.07	SM1																								
13-04		0	0.3	0.3	GW																								
		0.3	4.05	3.75	GW								3.7																
		4.05	4.57	0.52	SM1																								
13-05		0	0.61	0.61	GW								3.4																No silty sand was located. The pit sloughed in to 3.66m.
		0	5.18	5.18	GW																								
13-06		0.0	0.6	0.6	GW								4.2																
		0.6	3.0	2.4	GW																								
		3.0	4.9	1.9	GM1																								
13-07		0.0	0.6	0.6	GW								4.3																Did not see any silty sand or sandy gravel
		0.6	5.2	4.6	GW																								
13-08		0.0	0.8	0.8	GW								4.3																
		0.8	4.6	3.8	GW																								could not see below water pool
		4.6	4.9	0.3	CL																								
13-09		0.0	0.6	0.6	GW								4.3																
		0.6	4.6	4.0	GW																								
		4.6	4.9	0.3	CL																								
13-10		0.0	4.1	4.1	SM1								4.1																No gravel was located
13-11		0.0	1.5	1.5	SM1																								
		1.5	2.0	0.5	GM1																								
		2.0	3.7	1.7	CL																								
13-12		0.0	0.6	0.6	GM1																								
		0.6	2.7	2.1	GM1																								
		2.7	3.7	0.9	CL																								

Note: Topsoil for all test pits is approximately 0.05 m thick.

OB=overburden

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13-13		0.0	2.1	2.1	GM1								4																
		2.1	4.6	2.4	CL																								
13-14		0.0	0.9	0.9	GM1								2.3																
		0.9	2.3	1.4	GW																								
		2.3	3.4	1.1	CL																								
13-15		0.0	0.8	0.8	GM1								2.4																
		0.8	2.4	1.7	GW																								
		2.4	3.4	0.9	CL																								
		3.4	4.0	0.6	CL																								
13-16		0.0	0.6	0.6	GW								3.4																
		0.6	4.6	4.0	GW																								Total depth is approximately 4.57m but sloughed to 3.66m
		4.6	4.7	0.1	SM1																								
13-17		0.0	0.6	0.6	GW								2.7																
		0.6	3.4	2.7	GM1																								silty gravel mixture 0.61-3.35m,Total depth is approximately 4.27m but sloughed to 3.66m
		3.4	4.3	0.9	SM1																								
13-18		0.0	0.6	0.6	GM1								2.9																
		0.6	3.1	2.4	GW																								Silty/sandy gravel 0-0.61m.
		3.1	3.7	0.6	SM1																								
13-19		0.0	4.4	4.4	SM1								2.9																There was a small gravel seam only located on the northern side of the test pit. The seam went from 2.59-3.05m
13-20		0.0	0.8	0.8	GM1								1.8																
		0.8	1.8	1.1	GW																								Brown, silty gravel from 0 m to 0.76 m.
		1.8	2.7	0.9	CL																								
13-21		0.0	0.8	0.8	GM1								3.4																
		0.8	1.2	0.5	GW																								
		1.2	1.8	0.6	SM2																								
		1.8	3.4	1.5	GW																								
		3.4	3.8	0.5	CL																								
13-22		0.0	0.6	0.6	OB																								
		0.6	0.8	0.2	GW																								Could not see below 4.28m due to water
		0.8	4.3	3.5	GW																								
13-23		0.0	0.1	0.1	OB																								
		0.1	0.9	0.8	GW																								
		0.9	3.8	2.9	GW																								
		3.8	?		SM3																								

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13-24		0.0	0.1	0.1	OB																							
		0.1	1.4	1.3	GW																							
		1.4	2.8	1.4	GW																							
		2.8	?		SM3																							
13-25		0.0	0.2	0.2	OB																							
		0.2	0.8	0.6	GW																							
		0.8	2.8	2.0	GW																							
		2.8	?		SM3																							
13-26		0.0	0.2	0.2	OB																							
		0.2	0.9	0.7	GW																							
		0.9	2.8	1.9	GW																							
		2.8	?		SM3																							
13-27		0.0	0.3	0.3	OB																							
		0.3	1.2	1.0	GW																							
		1.2	2.6	1.4	GW																							
13-28		0.0	0.2	0.2	OB																							
		0.2	1.0	0.9	GW																							
		1.0	3.2	2.2	GW																							
		3.2	?		SM3																							
13-29		0.0	0.2	0.2	OB																							
		0.2	1.0	0.9	GW																							Could not see below 3.97m due to water and slough
		1.0	4.0	3.0	GW																							
13-30		0.0	0.2	0.2	OB																							
		0.2	1.0	0.8	GW																							
		1.0	2.7	1.7	GW																							
13-31		0.0	0.2	0.2	OB																							
		0.2	0.6	0.4	GW																							
		0.6	0.9	0.3	SM2																							
		0.9	1.9	1.0	GW																							
		1.9	?		SM3																							

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13-32		0.0	0.2	0.2	OB																							No gravel
		0.2	2.2	2.0	SM3																							
13-33		0.0	0.2	0.2	OB																							
		0.2	1.4	1.2	SM3																							
		1.4	3.1	1.7	GW																							
13-34		0.0	0.2	0.2	OB																							
		0.2	0.9	0.7	GW																							
		0.9	2.0	1.1	GW																							
		2.0	?		SM3																							
13-35		0.0	0.2	0.2	OB																							
		0.2	0.8	0.7	GW																							Cound not see below 3.8m due to water and slough
		0.8	3.8	3.0	GW																							
13-36		0.0	0.3	0.3	OB																							
		0.3	0.7	0.4	GW																							
		0.7	2.5	1.8	GW																							
		2.5	?		SM3																							
13-37		0.0	0.3	0.3	OB																							
		0.3	1.0	0.7	GW																							
		1.0	4.0	3.0	GW																							
		4.0	?		SM3																							
13-38		0.0	0.1	0.1	OB																							
		0.1	0.2	0.1	GW																							
		0.2	3.9	3.7	GW																							
13-39		0.0	0.2	0.2	OB																							
		0.2	3.2	3.0	SM3																							
13-40		0.0	0.2	0.2	OB																							
		0.2	1.0	0.8	GW																							Could not see below 3.95m due to water and slough
		1.0	4.0	3.0	GW																							
13-41		0.0	0.2	0.2	OB																							Very small amount of rock in silt from 2.5-3m
		0.2	3.0	2.9	SM3																							

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13-42		0.0	0.2	0.2	OB																							
		0.2	1.0	0.8	GW																							
		1.0	3.8	2.8	GW																							
13-43		0.0	0.2	0.2	OB																							
		0.2	1.1	0.9	GW																							
		1.1	3.4	2.3	GW																							
13-44		0.0	0.2	0.2	OB																							
		0.2	1.0	0.8	GW																							
		1.0	3.0	2.0	GW																							
13-45		0.0	0.3	0.3	OB																							
		0.3	?		SM3																							Seam of gravel about 0.15m thick located in between silt layers
13-46		0.0	0.3	0.3	OB																							
		0.3	1.3	1.0	GW																							
		1.3	3.9	2.6	GW																							
13-47		0.0	0.2	0.2	OB																							
		0.2	1.0	0.8	GW																							
		1.0	3.7	2.8	GW																							
		3.7	?		SM3																							
13-48		0.0	0.2	0.2	OB																							
		0.2	1.0	0.8	SM3																							
		1.0	2.8	1.8	GW																							
13-49		0.0	0.3	0.3	OB																							
		0.3	0.6	0.3	GW																							
		0.6	3.4	2.8	GW																							
13-50		0.0	0.2	0.2	OB																							
		0.2	0.6	0.4	GW																							
		0.6	2.8	2.2	GW																							
13-51		0.0	0.2	0.2	OB																							
		0.2	0.7	0.5	GW																							
		0.7	2.7	2.0	GW																							
13-52		0.0	0.2	0.2	OB																							
		0.2	0.6	0.4	GW																							

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									OVERSIZE					PIT RUN				CRUSH			DURABILITY								
					SOIL CLASSIFICATION	FINES	SAND	GRAVEL	75-150mm (%)	150-300mm (%)	>300mm (%)	MAX SIZE (mm)	WATERTABLE (m)	SOIL CLASSIFICATION	FINES	SAND	GRAVEL	FINES	SAND	GRAVEL	SAND EQUIVALENT	MICRO DEVAL	DEGRADE	MgSO4 %coarse/ %fine	FRACTURE A/B	B.R.D coarse/fines	ABSORPTION %coarse/%fines	
		0.6	2.6	2.0	GW																							
06-01		0.0	0.1	0.1	TS																							
	1	0.1	4.9	4.8	GP	3	25	72	10	10		225	4.8															
		4.9	5.2	0.3	CL	100																						
06-02		0.0	0.1	0.1	TS																							
	2	0.1	4.6	4.5	GP	2	20	78	6	6		250	4.3	GW	3.0	17	80									2.57/2.44	1.5/3.2	
		4.6	5.0	0.4	CL	100																						
06-03		0.0	0.1	0.1	TS																							
	3	0.1	5.8	5.7	GP	2	30	68	6	6		225	5															
		5.8	6.0	0.2	CL	100																						
06-04		0.0	0.1	0.1	TS																							
	4	0.1	5.0	4.9	GP	2	20	78	15	10		225	4.3	GP	4.0	24	72				29	15						
06-05		0.0	0.1	0.1	TS																							
	5	0.1	5.2	5.1	GP	2	20	78	15	10		200	4.9	GP	5.0	20	75				27	15						
		5.2	5.4	0.2	CL																							
06-06		0.0	0.1	0.1	TS																							
	6	0.1	5.6	5.5	GP	2	20	78	15	15		200	5	GP	3.0	21	76				33	15						
06-07		0.0	0.1	0.1	TS																							
	7	0.1	3.9	3.8	GP	3	27	70	6	6		200		GP	3	29	68									2.57/2.42	1.5/2.2	
	8	3.9	4.5	0.6	SM2	25	75																					
		4.5	5.2	0.7	CL	100																						
06-08		0.0	0.1	0.1	TS																							
	9	0.1	5.7	5.6	GP	2	23	75	10	10		225														2.57/2.43	1.6/2.1	
		5.7	6.0	0.3	SM2	25	75						5.7															
06-09		0.0	0.1	0.1	TS																							
		0.1	5.7	5.6	GP	2	20	78	15	15		200																
		5.7	6.0	0.3	SM2	25	75																					
06-10		0.0	0.1	0.1	TS																							
		0.1	4.6	4.5	GP	2	20	78	11	11		200																
		4.6	5.2	0.6	SM4	45	55																					

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