Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Eleven Mile **Contract Area:** Fraser Valley **Equipment Type:** Excavator

Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials									Soundness Indicator					Density		Absorption		Petrographic No.	Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4									
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)				
TP94-1	1.8	0.0	1.8	GPGM	4	4	6	760	65	27	8														FVI	
	1.2	1.8	3.0	OB																					FVI; BURIED LOGS, STUMPS	
TP94-2	2.0	0.0	2.0	GM1	3	3	4	635	55	30	15														FVI	
	2.0	2.0	4.0	GP	2	2	2	254	60	38	2														WSA	G20
	2.0	4.0	6.0	GP	3	6		153	55	42	3														WSA	G21
TP94-3	0.1	0.0	0.1	ML						20	80														FVI; ORGANICS	
	1.9	0.1	2.0	GP	5	3	1	500	61	36	3														WSA	G22
	4.0	2.0	6.0	GPGM	5	3	1	-	62	33	5					58									WSA; DEG=26	G23
TP94-4	0.5	0.0	0.5	ML						20	80														FVI; ORGANICS	
	1.0	0.5	1.5	SP					30	67	2														FVI	
	4.5	1.5	6.0	GP	4	2	1	380	50	46	4	93													WSA	G50
TP94-5	0.8	0.0	0.8	SM4					10	50	40														FVI; ORGANICS	
	1.0	0.8	1.8	SPSM					35	60	5														FVI	
	0.7	1.8	2.5	GC2					40	35	25														FVI	
	3.5	2.5	6.0	GP	3	2	1	250	56	40	4														WSA	G24

FVI= Field Visual Identification
BRX= Bedrock
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					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4									
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)				
TP94-6	0.1	0.0	0.1	TS																					FVI; ORGANIC ROOTS	
	0.6	0.1	0.7	SM2					40	35	25														FVI	
	0.9	0.7	1.6	CL					10	40	50														FVI	
	0.4	1.6	2.0	GPGM					50	40	10														FVI	
	4.0	2.0	6.0	SPSM	3	2	1	200	46	49	5														WSA	G49
TP94-7	0.1	0.0	0.1	TS					10	60	30														FVI; ORGANICS	
	1.9	0.1	2.0	SP					23	75	2														FVI	
	1.5	2.0	3.5	SP	1	1	1	250	44	52	4														WSA; G47	
	0.5	3.5	4.0	GC3					40	30	30														FVI	
	2.0	4.0	6.0	SPSM					40	50	10														FVI	
TP94-8	0.1	0.0	0.1	TS					10																FVI; BOULDERS UP TO 1M ON TOP	
	0.6	0.1	0.7	SM1					30	55	15														FVI	
	5.3	0.7	6.0	GP	4	2	1	300	51	45	4	90				84	13	30							WSA; DEG=22	G48

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Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials									Soundness Indicator					Density		Absorption		Petrographic No.	Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4									
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)				
TP94-9	0.1	0.0	0.1	TS																					FVI; ORGANICS	
	0.9	0.1	1.0	SM3					25	45	30														FVI; 1 GAL/MIN	
	1.2	1.0	2.2	SP					26	70	4													2.2	FVI	
	0.5	2.2	2.7	ML					20	20	60														FVI	
	0.8	2.7	3.5	GP					53	45	2														FVI	
	1.0	3.5	4.5	CL					10		90														FVI	
TP94-10	0.2	0.0	0.2	TS																					FVI; ORGANICS	
	1.5	0.2	1.7	SM1					15	70	15													1.7	FVI	
	0.6	1.7	2.3	GC3					50	20	30														FVI	
		2.3	?																						FVI; HUGE BOULDERS; TOO DENSE TO DIG	
TP94-11	0.1	0.0	0.1	TS																					FVI; ORGANICS	
	2.9	0.1	3.0	GM1	5	5	5	1000	53	35	12														FVI	
	3.0	3.0	6.0	SPSM	1	1	1	250	33	58	9	97				48									WSA; DEG=17	G25
TP94-12	0.2	0.0	0.2	TS																					FVI; ORGANICS	
	1.5	0.2	1.7	GPGM	5	5	5		55	35	10														FVI	
	4.3	1.7	6.0	SPSM					16	79	5														WSA	G45

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Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials									Soundness Indicator					Density		Absorption		Petrographic No.	Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture A (%)	Fracture B (%)	Micro Duval C (%)	Micro Duval F (%)	Sand Eq.	MgSO4 C (%)	MgSO4 F (%)	C (%)	F (%)	C (%)	F (%)				
TP94-13	0.1	0.0	0.1	TS																					FVI; ORGANICS	
	5.9	0.1	6.0	GP	5	2	1	300	68	28	4	94				62									WSA; DEG-22	G44
TP94-14	0.1	0.0	0.1	TS																					FVI; ORGANICS	
	0.5	0.1	0.6	GPGM	5	2	1	300	58	35	7														FVI	
	2.4	0.6	3.0	GP	5	2	1	300	68	28	4														WSA	G26
	2.0	3.0	5.0	GPGM	1			75	65	30	5														FVI; CAVED IN; MOSTLY AVG 1.5" MINUS	
TP94-15	0.3	0.0	0.3	TS																					FVI; ORGANICS	
	0.9	0.3	1.2	SM1					10	75	15														FVI	
	4.6	1.2	5.8	SPSM					14	81	5														WSA	G27
	0.2	5.8	6.0	ML						10	90														FVI	
TP94-16	0.2	0.0	0.2	TS																					FVI; ORGANICS	
	2.6	0.2	2.8	GM1	5	5	5	1500	55	30	15														FVI	
	3.2	2.8	6.0	SPSM					14	81	5														FVI; SAME AS SAMPLE IN 94-15	

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Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials									Soundness Indicator					Density		Absorption		Petrographic No.	Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4									
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)				
TP94-17	0.3	0.0	0.3	TS																					FVI;ORGANICS	
	0.7	0.3	1.0	GM1					58	30	12														FVI; LARGE BOULDERS	
	0.3	1.0	1.3	GP					62	35	3														FVI	
	?	1.3	?	BR																					FVI; BEDROCK	
TP94-18	0.4	0.0	0.4	TS																					FVI; ORGANICS	
	1.6	0.4	2.0	GP	4	2	1	250	62	35	3														FVI	
	1.0	2.0	3.0	GP	8	4	4	300	59	37	4														WSA; BOULDERS & SAND	G28
	3.0	3.0	6.0	SP	2	1		200	41	55	4	96				58									WSA; DEG=26	G29
TP94-19	0.5	0.0	0.5	GP					62	35	3														FVI; PUSHED MATERIAL?	
	1.0	0.5	1.5	SM2					30	50	20														FVI; ORIGINAL GROUND	
	4.5	1.5	6.0	SPSM	1	1		150	31	64	5	97													WSA; SEEMED COARSER FURTHER DOWN	G38
TP94-20	0.1	0.0	0.1	TS																					FVI; ORGANICS	
	1.1	0.1	1.2	GP	5	4		200	54	45	1														FVI	
	1.0	1.2	2.2	GM1	4	2	1	300	53	35	12														FVI; BOULDERS & SAND	
	3.3	2.2	5.5	GPGM	5	2	1	300	54	40	6					48									WSA; DEG=27	G37
	0.5	5.5	6.0	GPGM	5	2	1	300	50	45	5														FVI	

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Test Pit/Hole Number	Layer Thickness (m)	Layer Top Elevation (m)	Layer Bottom Elevation (m)	Soil Classification	Gradation of Materials									Soundness Indicator										Petrographic No.	Water Table Elevation (m)	Remarks	Bag #
					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4		Density		Absorption					
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)				
TP94-21	1.0	0.0	1.0	SM3					10	60	30															FVI; ORGANICS	
	2.0	1.0	3.0	GP	5	3	1	380	53	44	3															WSA	G35
	3.0	3.0	6.0	GPGM	5	3	1	380	65	30	5						7.9	22								WSA	G36
TP94-22	0.3	0.0	0.3	SM2					10	70	20															FVI; ORGANICS	
	1.2	0.3	1.5	SP				25	13	85	2															FVI	
	1.5	1.5	3.0	SP	1	1		200	48	50	2															FVI	
	?	3.0	?	BR																						FVI; BEDROCK	
TP94-23	1.6	0.0	1.6	GP					67	29	4															WSA	G34
	4.4	1.6	6.0	GP	4	2	1	300	63	33	4	95				54										WSA; DEG=40	G1
TP94-24	0.4	0.0	0.4	GPGM					50	45	5															FVI; PUSHED MATERIAL	
	0.6	0.4	1.0	ML					10	20	70															FVI; ORIGINAL GROUND	
	5.0	1.0	6.0	SPSM	1	1		200	36	57	7	94				47										WSA; DEG=31	G16
TP94-25	4.0	0.0	4.0	GM1					50	35	15															FVI	
TP94-26	4.0	0.0	4.0	GPGM	8	5	4	760	66	28	6					48										WSA; DEG=57	G15
	?	4.0	?	BR																						FVI; POSSIBLE BEDROCK	

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					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
12-1	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	1.3	0.2	1.5	SPSM					5	90	10													FVI	
	1.5	1.5	3.0	SM1	1				15	60	25													FVI	
	3.0	3.0	6.0	GPGM	1	1			48	44	8													WSA	281
12-2	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	1.5	0.2	1.7	SPSM	1	1			15	75	10													FVI	
	3.8	1.7	5.5	SP					13	85	2													WSA	282
	1.5	5.5	7.0	GP	2	1			65	32	3	99	97											WSA	283
12-3	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	6.8	0.2	7.0	SP					8	89	3				15	84								WSA	284
12-4	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	6.8	0.2	7.0	GPGM	5	2	1		47	46	7	98	96											WSA	285
12-5	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	5.8	0.2	6.0	SP					28	70	2													FVI	
	1.0	6.0	7.0	SP	1				32	66	2													FVI, CAVED IN	

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					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
12-6	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	6.8	0.2	7.0	SPSM					15	79	6					75								WSA, CAVED IN	286
12-7	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	6.3	0.2	6.5	SP					4	94	2					88								WSA	287
12-8	0.2	0.0	0.2	TS																				FVI	
	1.3	0.2	1.5	SP			1	450	15	83	2													FVI	
	5.5	1.5	7.0	SP					8	90	2													FVI	
12-9	0.2	0.0	0.2	TS																				FVI	
	3.8	0.2	4.0	SP					18	78	4													FVI	
	0.5	4.0	4.5	SP					8	90	2													FVI	
12-10	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.2	0.3	6.5	GPGM	2	1	1	600	51	42	7													WSA	288
12-11	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	4.7	0.3	5.0	GPGM	4	1	1	600	74	20	6	99	99											WSA	289

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					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
12-12	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.2	0.3	6.5	GPGM	4	2	1	1000	53	38	9					24								WSA, FLUVIAL BOULDERS	290
12-13	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.2	0.3	6.5	GPGM	3	1	1	760	56	35	9								2.7	2.5	0.9	6.1		WSA	291
12-14	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.7	0.3	7.0	GP	3	1	1	760	67	29	4	99	98	11	22									WSA	292
12-15	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	2.2	0.3	2.5	GPGM	7	5	2	1000	62	30	8													FVI	
	4.5	2.5	7.0	GPGM	3	1		250	64	28	8			16	25		8.4	23						WSA	293
12-16	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.7	0.3	7.0	GPGM	4	2	1	900	54	36	10								2.7	2.4	1.1	6.8		WSA	294
12-17	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.7	0.3	7.0	GM2	4	2	1	760	52	27	21	99	98	11	21	22								WSA	295
12-18	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.7	0.3	7.0	GP	3	1	1	600	51	46	3					45			2.7	2.5	1.0	4.9		WSA	296

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					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
12-19	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.7	0.3	7.0	SPSM	3	1	1	760	42	50	8													WSA	297
12-20	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	2.3	0.2	2.5	GPGM	1	1		300	50	44	6					30							2.5	WSA, TRICKLE	298
	4.5	2.5	7.0	SM3					10	55	35													FVI	
12-21	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	6.8	0.2	7.0	GP	8	3	1	300	67	30	3	99	99	10	11									WSA	299
12-22	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	1.8	0.2	2.0	SP	1	1		200	28	70	2													FVI	
	5.0	2.0	7.0	GP	3	1		250	51	45	4	99	97						2.7	2.6	1.1	2.0		WSA	300
12-23	0.3	0.0	0.3	TS																				FVI, ORGANICS	
	6.7	0.3	7.0	GP	3	1		250	65	31	4			16	17		5.3	20						WSA	321
12-24	0.2	0.0	0.2	TS																				FVI, ORGANICS	
	6.8	0.2	7.0	GP	3	1		450	49	47	4	99	99			79			2.7	2.6	1.2	2.3		WSA	322

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					75/150 mm	150/225 mm	> 225 mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval		Sand Eq.	MgSO4								
												A (%)	B (%)	C (%)	F (%)		C (%)	F (%)	C (%)	F (%)	C (%)	F (%)			
12-25	0.2	0.0	0.2	TS																					
	1.8	0.2	2.0	SM2					10	68	22													FVI, ORGANICS	
	4.0	2.0	6.0	SPSM	1			150	27	66	7	99	98			54								WSA	323
	1.0	6.0	7.0	SP					15	80	5													WSA	325

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