



Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: **Strong Pit**

Contract Area: **7**

Equipment Type: **Excavator**

Testpit Number	Layer Thickness (m)	Layer Top Depth (m)	Layer Bottom Depth (m)	Soil Classification	Gradation of Materials							Soundness Indicator						Density	Absorption		Watertable (m)	Remarks			
					75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval	Sand Eq.	MgSO4			C (%)	F (%)					
												A (%)	B (%)			C (%)	F (%)								
																			C (%)	F (%)					
TP96-19	0.30	0.00	0.30	TS					10	20	70														FVI
	0.50	0.30	0.80	SP					42	55	3														FVI
	5.20	0.80	6.00	GP	4	2	1	300	57	42	1														WSA
TP'96-20	0.30	0.00	0.30	TS					10	20	70														FVI
	0.70	0.30	1.00	SP					42	55	3														FVI
	5.00	1.00	6.00	GP	5	2	1	300	64	35	1														FVI
TP96-21	1.50	0.00	1.50	SP					34	65	1												1.5		FVI
	2.50	1.50	4.00	CL							100														FVI
TP96-22	2.00	0.00	2.00	SP					34	65	1												2.0		FVI
	1.50	2.00	3.50	CL							100														FVI

FVI= Field Visual Identification
BRX= Bedrock

WSA= Washed Sieve Analysis

LVI= Lab Visual Identification



Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: **Strong Pit**

Contract Area: **7**

Equipment Type: **Excavator**

Testpit Number	Layer Thickness (m)	Layer Top Depth (m)	Layer Bottom Depth (m)	Soil Classification	Gradation of Materials							Soundness Indicator						Density	Absorption		Watertable (m)	Remarks				
					75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval	Sand Eq.	MgSO4			C (%)	F (%)						
												A (%)	B (%)			C (%)	F (%)									
																			C (%)	F (%)						
TP99-6	0.20	0.00	0.20	ML					5	30	65															FVI
	0.20	0.20	0.40	SPSM					43	50	7															FVI
	0.60	0.40	1.00	SP					28	70	2															FVI
	4.30	1.00	5.30	GP	4	2	1	250	57	42	1															WSA, DEGRADATION: 71
TP99-7	0.30	0.00	0.30	ML					5	30	65															FVI
	0.10	0.30	0.40	SPSM					43	50	7															FVI
	0.80	0.40	1.20	SP						98	2															FVI
	4.10	1.20	5.30	GP	5	3	1	300	65	33	2				79											WSA, DEGRADATION: 76
TP99-8	0.30	0.00	0.30	ML					5	30	65															FVI
	0.20	0.30	0.50	SPSM					40	53	7															FVI
	4.80	0.50	5.30	GP	5	3	1	300	61	37	2															WSA, DEGRADATION: 67
TP99-9	0.20	0.00	0.20	ML					5	30	65															FVI
	0.20	0.20	0.40	SPSM					40	53	7															FVI
	1.10	0.40	1.50	SP					39	60	1															FVI
	3.80	1.50	5.30	GP	4	2	1	300	57	42	1															WSA
TP99-10	0.20	0.00	0.20	ML					5	30	65															FVI
	0.20	0.20	0.40	SPSM					40	53	7															FVI
	4.90	0.40	5.30	GP	4	1	1	225	55	42	3															WSA, DEGRADATION: 52

FVI= Field Visual Identification
BRX= Bedrock

WSA= Washed Sieve Analysis

LVI= Lab Visual Identification



Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: **Strong Pit**

Contract Area: **7**

Equipment Type: **Excavator**

Testpit Number	Layer Thickness (m)	Layer Top Depth (m)	Layer Bottom Depth (m)	Soil Classification	Gradation of Materials							Soundness Indicator						Density	Absorption		Watertable (m)	Remarks			
					75/150mm	150/225	+ 225mm	Maximum Size (mm)	Gravel	Sand	Fines	Fracture		Micro Duval	Sand Eq.	MgSO4			C (%)	F (%)					
												A (%)	B (%)			C (%)	F (%)						C (%)	F (%)	
TP99-11	0.20	0.00	0.20	ML					5	30	65														FVI
	0.20	0.20	0.40	GPGM					53	40	7														FVI
	4.90	0.40	5.30	GP	5	3	1	250	56	42	2														WSA
2001 TEST PITS																									
TP01-1	2.00	0.00	2.00	SP	1			125	35	64	1														FVI
	3.00	2.00	5.00	CL						30	70														FVI
	1.00	5.00	6.00	SC2					10	70	20														FVI
TP01-2	1.00	0.00	1.00	GP	1	1	1	200	64	35	1														FVI
	1.30	1.00	2.30	SP					1	98	1														FVI
	2.70	2.30	5.00	GP	2	1		200	55	43	2												5.0		WSA
	1.00	5.00	6.00	CL					10	20	70														FVI
TP01-3	2.50	0.00	2.50	GP	1			125	55	44	1														FVI
	2.50	2.50	5.00	SP	1			100	31	68	1														WSA
	1.00	5.00	6.00	CL					20	80															FVI
TP01-4	3.30	0.00	3.30	SP	1			175	37	62	1												3.3		WSA
	2.00	3.30	5.30	CL					30	70															FVI

FVI= Field Visual Identification
BRX= Bedrock

WSA= Washed Sieve Analysis

LVI= Lab Visual Identification



Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Strong Pit Area "E" Test Pits Contract Area: 7 - 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		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					C	F
												A	B				C	F					
												(%)	(%)				(%)	(%)					
TP11-5	0.9	88.4	87.5	CL					0	5	95									FVI, BLUE CLAY			
	1.1	87.5	86.4	SP					5	94	1									FVI			
	4.5	86.4	81.9	SP	1			150	42	55	3									WSA, BOULDER @ BOTTOM	50		
		81.9	FE																				
TP11-6	1.3	88.1	86.8	CL					0	5	95									FVI, BLUE CLAY			
	2.2	86.8	84.6	ML					10	20	70									FVI, BROWN			
	0.4	84.6	84.2	CL					0	5	95									FVI, BLUE CLAY			
	2.6	84.2	81.6	SM2					12	59	29									WSA	49		
	1.5	81.6	80.1	SP	1	1		200	47	49	4									WSA	48		
		80.1	FE																				
TP11-7	0.5	88.3	87.8	GPGM					50	40	10									FVI			
	1.3	87.8	86.5	CL					0	5	95									FVI			
	4.7	86.5	81.8	SM2					18	58	24									WSA, THIN BANDS OF SILT	47		
	1.5	81.8	80.3	GP	1	1		200	59	40	1									FVI, SIMILAR MATERIAL AS 11-6, BAG 48			
		80.3	FE																				
TP11-8	7.0	88.6	81.6	CL					0	5	95									FVI, BLUE/GRAY CLAY			
		81.6	FE																				
TP11-9	2.0	86.1	84.1	SM2					30	50	20									FVI			
	5.0	84.1	79.1	SP					12	84	4						2.6	1.6		WSA	46		
		79.1	FE																				

FVI= Field Visual Identification
BRX= Bedrock

WSA= Washed Sieve Analysis

LVI= Lab Visual Identification



Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Strong Pit Area "E" Test Pits Contract Area: 7 - 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		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					C (%)	F (%)				
												A (%)	B (%)				C (%)	F (%)						C (%)	F (%)		
TP12-1	1.4	94.3	92.9	GP	2	0.5		200	50	46	4											WSA	949				
	5.1	92.9	87.8	CL					0	5	95											FVI, BLUE CLAY					
		87.8	FE																								
TP12-2	0.9	93.2	92.3	GP	1	1		200	55	44	1											89.2	FVI	381			
	0.2	92.3	92.1	ML-GC					40	5	55													FVI, LAYER OF SILT-CEMENTED GRAVEL			
	2.9	92.1	89.2	GP	1	1			65	33	2													WSA, TRICKLE	382		
	1.6	89.2	87.6	CL					5	5	90														FVI, BLUE CLAY		
		87.6	FE																								
TP12-3	1.1	91.7	90.6	SP	1			150	33	65	2													FVI			
	1.2	90.6	89.4	SP					42	57	1												89.6	WSA, 2 GAL/MIN	383		
	1.2	89.4	88.2	CL						5	95														FVI		
			88.2	FE																							
TP12-4	1.2	91.5	90.3	GP	1	1		200	55	43	1													FVI			
	1.2	90.3	89.1	SP					31	68	1												89.2	WSA, 1 GAL/MIN	384		
	4.1	89.1	85.0	GP	2	1		200	60	38	2														FVI	385	
		85.0	FE																								
TP12-5	1.5	93.2	91.7	SP	1			150	38	61	1												92.0	WSA, 0.5 GAL/MIN	386		
	5.2	91.7	86.5	ML						25	75															FVI, BLUE CLAY	
			86.5	FE																							

FVI= Field Visual Identification
BRX= Bedrock

WSA= Washed Sieve Analysis

LVI= Lab Visual Identification



Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Strong Pit Area "E" Test Pits Contract Area: 7 - 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		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					C (%)	F (%)	
												A (%)	B (%)				C (%)	F (%)						
TP12-6	0.9	96.4	95.5	GP	2			200	54	45	1										95.5	FVI, TRICKLE	387	
	1.8	95.5	93.7	ML						20	80												FVI	
	4.3	93.7	89.4	CL						10	90												FVI, BLUE CLAY	
		89.4	FE																					
TP12-7	0.3	90.5	90.2	GP					80	19	5												FVI	
	1.8	90.2	88.4	GP	1	1		250	54	44	2		4.4	8.9									WSA	388
	2.5	88.4	85.9	GP	5	1			75	24	1												FVI	389
	1.5	85.9	84.4	SP					14	84	2												WSA	390
		84.4	FE																					
TP12-8	1.2	90.0	88.8	GP	2			200	51	47	2												WSA	940
	0.9	88.8	87.9	SP	1				40	58	2												FVI	
	4.0	87.9	83.9	GP					50	48	2												FVI	
		83.9	FE																					
TP12-9	1.5	93.5	92.0	GP	5	1		300	63	34	3												WSA	941
	6.7	92.0	85.3	CL						2	98												FVI, BLUE CLAY	
		85.3	FE																					
TP12-10	4.6	89.8	85.2	GP	5	1		300	60	38	2												FVI	942
	2.5	85.2	82.7	SP	3	<1		200	34	59	2												WSA	943
		82.7	FE																					

FVI= Field Visual Identification
BRX= Bedrock

WSA= Washed Sieve Analysis

LVI= Lab Visual Identification



Ministry of Transportation

TEST PIT / HOLE SUMMARY SHEET

Pit: Strong Pit Area "E" Test Pits Contract Area: 7 - 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		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					C	F	
												A	B				C	F						
												(%)	(%)				(%)	(%)						
TP13-1	1.2	86.7	85.5	GP	2				55	42	3											FVI		
	1.5	85.5	84.0	SP					20	75	5												FVI	
	1.5	84.0	82.5	GP					43	55	2												FVI	
	0.3	82.5	82.2	ML					5	95													FVI, BLUE CLAY	
		82.2	FE																					
TP13-2	0.9	93.2	92.3	GP					50	48	2											90.0	FVI	
	2.2	92.3	90.1	GP					60	39	1												FVI	
	0.3	90.1	89.8	ML					5	95													FVI	
		89.8	FE																				FVI, BLUE CLAY, WATER TRICKLE	

FVI= Field Visual Identification
BRX= Bedrock

WSA= Washed Sieve Analysis

LVI= Lab Visual Identification