



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials							Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks				
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen				MgSO4 (%)		Micro Duval	
											A	B						CA	FA	CA	FA
89-1		0.0/5.5	GP					52	45	3											WSA
		5.5/16.5	SP					48	49	3									SP		WSA
89-3		0.0/7.3	SP					46	50	4											WSA
		7.3/7.9	SP					10	89	1											FVI
		7.9/16.5	SP					37	62	1	22	29							SP		WSA
89-4		0.0/4.9	GP					51	47	4											WSA
		4.9/14.0	SP					44	54	2											WSA
		14.0/16.	GP					70	30										GP		FVI
89-6		0.0/4.3	GPGM					58	37	5											WSA
		4.3/12.8	GPGM					80	20												FVI
		12.8/16	SP					33	64	3	35	42	75	70					SP		WSA
<b>*89-6 - top 4-5 meters of material has been removed</b>																					
89-7		0.0/7.3	GP					85	15												FVI
		7.3/16.5	SP					44	52	4									SP		WSA
89-9		0.0/7.3	GP					58	40	2	28	39	67	69							WSA
		7.3/9.1	SP					27	70	3											FVI
		9.1/16.5	GP					75	25										GP		WSA

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks			
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval		
											A	B			CA				FA	CA	FA
89-15		0.0/5.2	GM1					49	37	14	42	18	48	21							WSA
		5.2/8.8	GPGM					59	35	6	76	39	69	31	2.9	6.5					WSA
		8.8/14.0	GP					54	43	2	80	26							GP		WSA
89-16		0.0/4.3	GPGM					48	47	5											WSA
		4.3/11.6	GP					85	15												FVI
		11.6/16.	GPGM					58	36	6									GPGM		WSA
89-20		0.0/12.8	GP					80	20												FVI
		12.8/14	SP					40	60												FVI
		14/16.5	GP					80	20										GP		FVI
89-23	0.6	0.0/0.6	TS																		FVI
		0.6/14.0	GP					80	20										GP		FVI
89-25		0.0/2.4	GM1					57	30	13									GM1		FVI, EXTREMELY DENSE
89-26		0.0/3.1	GC4					22	38	40											WSA
		3.1/5.5	GPGC					79	20	10											FVI
		5.5/5.8	LB					100													FVI
		5.5/6.7	GP					90	10										GP		FRVI, EXTREMELY DENSE
89-27		0.0/1.8	GPGM					60	29	11									GPGM		WSA, EXTREMELY DENSE

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks			
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval		
											A	B			CA				FA	CA	FA
						1999 TEST PITS															
99-1		0.0/3.1	GP	4	1		175	52	47	1	93		54	84					WSA		
		3.1/5.9	SP	3			100	44	55	1								SP	WSA		
99-2		0.0/5.8	SP	2			90	41	58	1								SP	WSA		
99-3		0.0/5.5	SP	2			110	37	62	1								SP	WSA		
99-4		0.0/5.8	SP	3	2		220	35	63	2								SP	WSA		
99-5		0.0/5.8	SP	5	3		225	48	51	1								SP	WSA		
99-6		0.0/5.9	SP	4	2		250	45	54	1								SP	WSA		
99-7	1.5	0.0/1.5	FILL																FVI, FILL MATERIAL		
		1.5/5.8	SP	4	2		220	48	51	1	93		52	84				SP	WSA		
99-8	1.4	0.0/1.4	FILL																FVI, FILL MATERIAL		
		1.4/5.4	SP	6	2		230	49	50	1								SP	WSA		

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks		
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalen	MgSO4 (%)					Micro Duval	
														A	B				CA	FA
99-9	0.8	0.0/0.8	CR																FVI, CRUSH	
		0.8/5.6	SP	4	1		210	43	56	1									SP	WSA
99-10	0.6	0.0/0.6	FILL																FVI, FILL MATERIAL	
		0.6/5.6	SP	2	1		130	42	57	1									SP	WSA
99-11	0.6	0.0/0.6	FILL																FVI, FILL MATERIAL	
		0.6/5.4	GP	6	3		225	58	41	1									GP	WSA
<b>*99-11 material has been removed</b>																				
99-12	0.75	0.0/0.8	FILL																FVI, FILL MATERIAL	
		0.8/5.8	GP	6	3		20	51	47	2									GP	WSA
<b>*99-12 material has been removed</b>																				
99-22	0.1	0.0/0.1	TS																FVI, TOPSOIL	
		0.1/0.8	OB																FVI, OVERBURDEN	
		0.8/5.3	SP	3	3		200	53	44	3									SP	WSA
99-24	0.2	0.0/0.2	FILL																FVI, FILL MATERIAL	
		0.2/5.3	GP	3	1		200	53	45	2									GP	WSA
99-25	0.4	0.0/0.8	OB																FVI, OVERBURDEN	
		0.8/2.5	GM1	3			120	44	39	16									GM1	WSA

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks			
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval		
											A	B			CA				FA	CA	FA
99-26	0.2	0.0/0.2	TS																FVI, TOPSOIL		
		0.2/1.2	OB																FVI, OVERBURDEN		
		1.2/2.8	SM2	3			140	30	45	25									SM2	FVI	
99-27	0.9	0.0/0.9	OB																FVI, OVERBURDEN		
		0.9/2.6	GP	2	1		225	59	40	1									GP	WSA	
		2.6/5.4	GP	1	1		200	51	46	3									GP	WSA	
99-28	0.7	0.0/0.7	OB																FVI, OVERBURDEN		
		0.7/2.7	GP	3	2		200	49	49	2									GP	WSA	
		2.7/5.4	SPSM	2	1		275	38	55	7									SPSM	FVI, OVERBURDEN	
99-29	0.7	0.0/0.7	TS																FVI, TOPSOIL		
		0.7/1.8	GP	5	2		200	57	40	3									GP	FVI, TOPSOIL	
		1.8/3.4	GM2					42	35	23									GM2	FVI, TOPSOIL	
99-30	0.2	0.0/0.2	TS																FVI, TOPSOIL		
		0.2/0.8	OB																OB	FVI, OVERBURDEN	
		0.8/2.9	GPGM	3			200	54	41	5									GPGM	WSA	
		2.9/5.4	SP	2	1		120	45	52	3									SP	WSA	

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks			
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval		
											A	B			CA				FA	CA	FA
99-31	1.3	0.0/1.3	OB																FVI, OVERBURDEN		
		1.3/1.6	TS																FVI, TOPSOIL		
		1.6/2.1	OB																FVI, OVERBURDEN		
		2.1/5.4	SP	2			120	41	56	3		32					SP		WSA		
99-32	0.3	0.0/0.3	TS																FVI, TOPSOIL		
		0.3/0.9	OB																FVI, OVERBURDEN		
		0.9/5.4	GP	2			110	54	44	1	94	54	33				GP		WSA		
99-33	1.5	0.0/1.5	OB																FVI, OVERBURDEN		
		1.5/5.4	GP	2	1		160	53	44	3							GP		WSA		
99-34	0.6	0.0/0.6	OB																FVI, OVERBURDEN		
		0.6/5.6	GP	1			80	53	45	2							GP		WSA		
99-35	1.2	0.0/1.2	FILL																FVI, CONCRETE FILL MATERIAL		

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks		
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)	Degrad.	Sand Equivalen	MgSO4 (%)					Micro Duval	
														A	B				CA	FA
				2004 TEST PITS																
04-1		0.0/6.0	SP	3	1		200	42	56	2								SP		WSA
				<i>*04-1 material has been removed</i>																
04-2		0.0/1.0	SP					30	69	1										FVI
		1.0/6.0	GP	2	1		175	54	45	1		69	76					GP		WSA
				<i>*04-2 material has been removed</i>																
04-3	1.0	0.0/1.0	CR/AS																	FVI, CRUSH & ASPHALT WASTE
		1.0/5.0	GP	2			125	52	47	1										WSA
		5.0/6.0	SP	1			100	30	69	1								SP		FVI
				2005 TEST PITS																
05-1		0.0/2.5	GP	2	1	1	225	59	40	1										FVI
		2.5/7.5	GP	1	1		75	50	49	1								GP		FVI
				<i>*05-1 material has been removed</i>																
05-2		0.0/7.5	GP	2	1	1	250	57	42	1	46							GP		WSA
05-3		0.0/7.0	GP	2	1		200	59	40	1										FVI
		7.0/7.5	SP					39	60	1								SP		FVI

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks			
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval		
											A	B			CA				FA	CA	FA
05-4		0.0/7.5	GP	2	1	1	250	54	45	1									GP		FVI
05-5		0.0/2.0	GPGM					54	40	6											FVI, SOME ORGANICS(FILL)
		2.0/5.0	GP	2	1	1	250	54	45	1											FVI
05-6		0.0/1.5	GP	1				59	40	1											FVI, SLOPING MATERIAL
		1.5/7.5	GP	3	2	1	250	63	35	2	32			2.5	7.3	18.6	16				SG:C-2.86,F-2.79/ABS:C-0.69,F-1.23
05-7		0.0/7.5	GP	3	2	1	250	64	35	1											WSA
05-8	0.3	0.0/0.3	SM4					30	30	40											FVI, PIT OVERBURDEN
		0.3/0.8	GPGM	5	3	1	300	59	35	6											FVI
		0.8/2.2	GP	2	1		200	57	35	3											FVI
		2.2/3.0	GPGM					50	40	10											FVI
		3.0/7.0	GP	3	1	1	225	57	35	3											FVI
05-9	0.2	0.0/0.2	TS																		FVI, ORGANICS
		0.2/1.5	GPGM					53	40	7											FVI
		1.5/7.5	SP	1			100	42	55	3											WSA
05-10	0.2	0.0/0.2	TS																		FVI, ORGANICS
		0.2/0.7	GPGM					53	40	7											FVI
		0.7/7.5	GP	2	1		175	54	45	1											FVI

FVI = Field Visual Identification

WSA = Washed Sieve Analysis





# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks			
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval		
											A	B			CA				FA	CA	FA
05-11	0.3	0.0/0.3	TS																FVI, ORGANICS		
		0.3/1.2	GPGM	1			75	53	40	7									FVI		
		1.2/7.0	SP	2	1		150	47	51	2	33							SP	WSA		
05-12	0.3	0.0/0.3	TS																FVI, ORGANICS		
		0.3/0.8	SM1					15	70	15									FVI, ORGANICS		
		0.8/2.0	GPGM	1	1		150	55	40	5									FVI		
		2.0/4.0	GP	1				54	45	1									FVI		
		4.0/7.0	SP	1			75	44	55	1								SP	FVI		
05-13	0.3	0.0/0.3	TS																FVI, ORGANICS		
		0.3/1.0	GPGM	2				53	40	7									FVI		
		1.0/7.5	GP	3	1	1	250	58	41	1								GP	FVI		
05-14		0.0/4.5	GM1	4	2	1	300	50	35	15									FVI		
		4.5/7.5	GP	3	1		20	56	39	1								GP	WSA		
05-15		0.0/1.7	GPGM	3			100	53	40	7									FVI		
		1.7/7.0	GP	3	1	1	300	56	39	3								GP	WSA		
05-16	0.3	0.0/0.3	TS																FVI, ORGANICS		
		0.3/1.0	SM3					20	50	30									FVI		
		1.0/1.7	GPGM	3			100	53	40	7									FVI		
		1.7/5.0	GM2	3	2	1	300	55	25	20								GM2	FVI, HARDPAN LIKE		

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks				
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval			
											A	B			CA				FA	CA	FA	
05-17	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/1.2	SM3					20	50	30												FVI, ORGANICS
		1.2/6.0	GPGM	3	2	1	250	58	35	7										GPGM		WSA
05-18	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/0.6	SM3					20	50	30												FVI, ORGANICS
		0.6/2.5	GPGM	5	3	1	250	53	40	7												FVI
		2.5/6.0	GM2					55	25	20										GM2		FVI
05-19	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/1.2	GPGM	2	1		200	60	33	7												FVI
		1.2/6.5	GP	1	1		200	61	36	3										GP		WSA,100MM OF HARDPAN@1.2
05-20	0.3	0.0/0.3	TS																			FVI, ORGANICS
		0.3/0.5	SM3					20	50	30												FVI, ORGANICS
		0.5/1.3	GPGM	2	1		200	60	33	7												FVI
		1.3/2.4	GM2					50	25	25												FVI
		2.4/6.0	GPGM	3	2		200	61	34	5	43									GPGM		WSA

FVI = Field Visual Identification

WSA = Washed Sieve Analysis



# AGGREGATE TEST HOLE / PIT SUMMARY SHEET

CLIENT: **MoT**

PROJECT: **Telegraph Pit**

Testpit Number	Overburden	Soil Bound. (M)	Soil Classification	Gradation of Materials								Soundness Indicator				Material at Bottom of	Watertable (m)	Remarks			
				75/150 (mm)	150/225 (mm)	+ 225 (mm)	Maximum	Gravel	Sand	Fines	Fracture (%)		Degrad.	Sand Equivalen	MgSO4 (%)				Micro Duval		
											A	B			CA				FA	CA	FA
05-21	0.3	0.0/0.3	TS																FVI, ORGANICS		
		0.3/0.8	SM3					30	40	30									FVI, ORGANICS		
		0.8/1.5	GPGM	2	1		200	60	33	7									FVI		
		1.5/3.7	GM2					50	25	25									FVI, HARDPAN		
		3.7/6.0	GPGM	3	1		200	61	34	5							GPGM		WSA		
05-22		0.0/1.2	CR																FVI, CRUSH		
		1.2/5.0	OB																FVI, PIT OVERBURDEN		
05-23	5.0	0.0/5.0	OB																FVI, PIT OVERBURDEN		
		5.0/6.0	GP	2	1		200	54	45	1							GP		FVI		
05-24		0.0/1.2	CR																FVI, CRUSH		
		1.2/7.5	GP	2			125	54	45	1							GP		FVI		
05-25		0.0/0.5	CR																FVI, CRUSH		
		0.5/2.3	GM2					50	30	20									FVI		
		2.3/3.1	OB																FVI, PIT OVERBURDEN		
		3.1/7.5	SP	1			100	40	69	1							SP	3.0	FVI, SLIGHT FLOW		

FVI = Field Visual Identification

WSA = Washed Sieve Analysis