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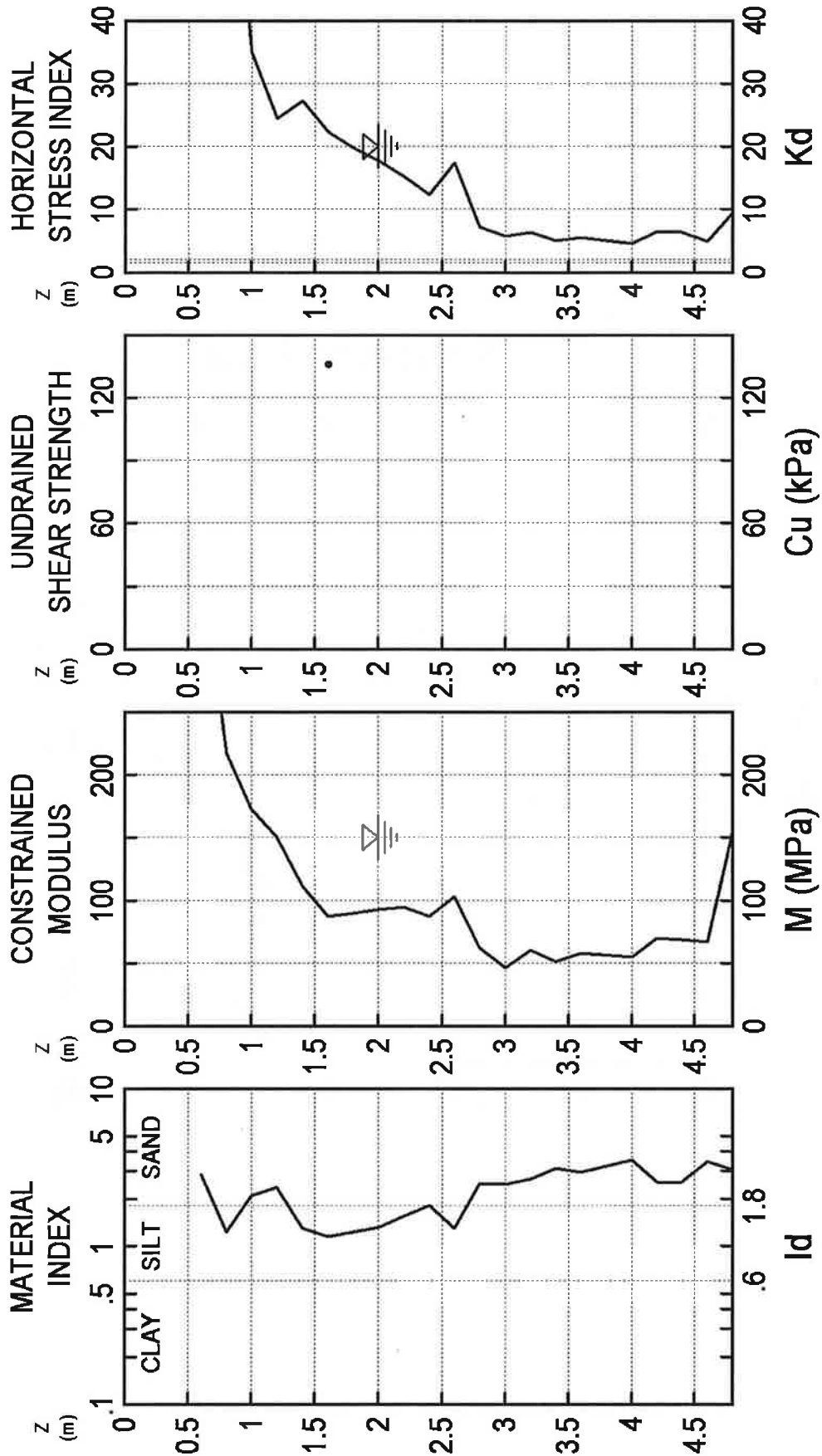
Insitu Geotech Services (IGS) Golder Associates
 Rapid Transit Gold Coast, QLD

TEST
D08

5 SEP 2011

INTERPRETED GEOTECHNICAL PARAMETERS

DILATOMETER TEST (DMT)

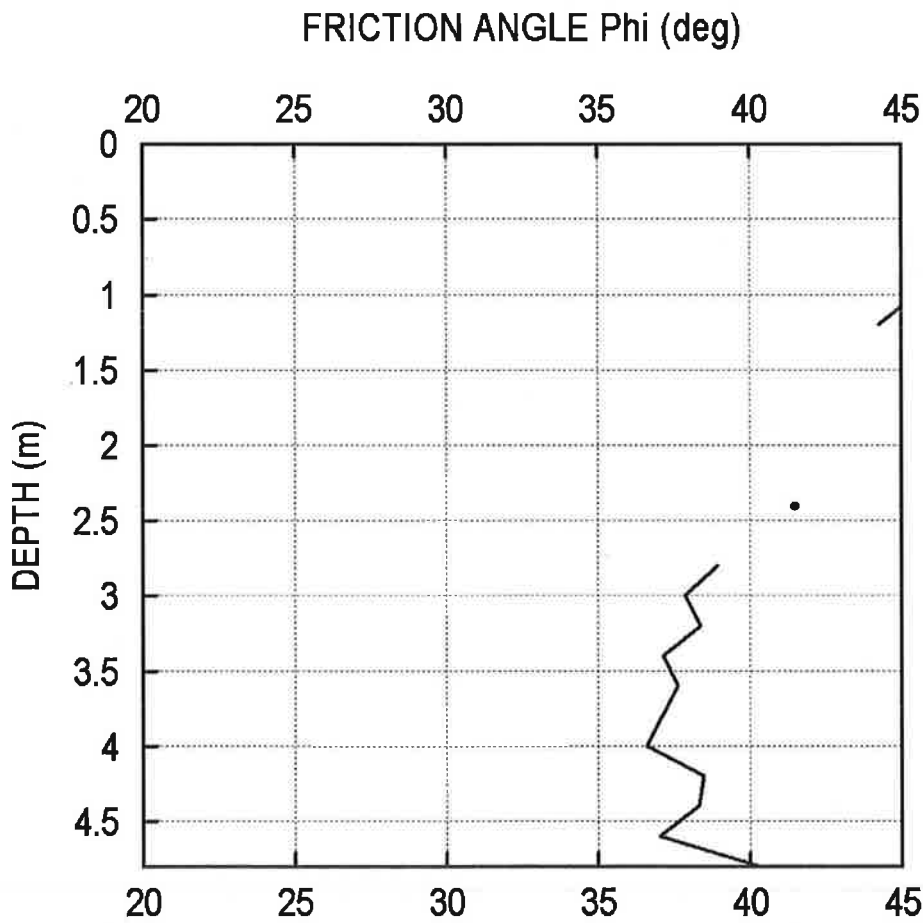


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INTERPRETED GEOTECHNICAL PARAMETERS

DILATOMETER TEST (D.M.T.)



D08 5 SEP 2011 Insitu Geotech Services (IGS) Golder Associates Rapid Transit Gold Coast, QLD GPS format - GDA	LEGEND Z = Depth Below Ground Level Po,P1,P2 = Corrected A,B,C readings Id = Material Index Ed = Dilatometer Modulus Ud = Pore Press. Index = (P2-Uo)/(Po-Uo) Gamma = Bulk unit weight Sigma' = Effective overb. stress Uo = Pore pressure	INTERPRETED PARAMETERS Phi = Safe floor value of Friction Angle Ko = In situ earth press. coeff. M = Constrained modulus (at Sigma') Cu = Undrained shear strength Ocr = Overconsolidation ratio (OCR = "relative OCR"- generally realistic. If accurate independent OCR available, apply suitable factor)	SOUNDING PARAMETERS DeltaA = 12 kPa DeltaB = 55 kPa GammaTop = 17.0 kN/m^3 FactorEd = 34.7 Zm = 0.0 kPa Zabs = 0.0 m Zw = 2.0 m

WaterTable at 2.00 m

Reduction formulae according to Marchetti, ASCE Geot.Jnl.Mar. 1980, Vol.109, 299-321; Phi according to TC16 ISSMGE, 2001

Z (m)	A (kPa)	B (kPa)	C (kPa)	Po (kPa)	P1 (kPa)	P2 (kPa)	Gamma (kN/m^3)	Sigma' (kPa)	Uo (kPa)	Id	Kd	Ed (MPa)	Ud	Ko	Ocr	Phi (Deg)	M (MPa)	Cu (kPa)	D08 DESCRIPTION
0.6	950	3300		848	3245		21.1	10	0	2.83	83.1	83.2				48	374.7		SILTY SAND
0.8	1200	2600		1145	2545		20.6	14	0	1.22	79.4	48.6					216.7		SANDY SILT
1.0	700	2050		648	1995		19.6	19	0	2.08	34.9	46.7				46	172.2		SILTY SAND
1.2	600	1900		550	1845		19.6	22	0	2.35	24.5	44.9				44	150.4		SILTY SAND
1.4	750	1700		718	1645		19.1	26	0	1.29	27.2	32.2					110.9		SANDY SILT
1.6	700	1500		675	1445		19.1	30	0	1.14	22.4	26.7		3.0	43.3		87.1	136	SILT
1.8	700	1550		673	1495		19.1	34	0	1.22	19.8	28.5					89.7		SANDY SILT
2.0	700	1600		670	1545		19.1	38	0	1.30	17.7	30.4					92.3		SANDY SILT
2.2	640	1600		607	1545		19.1	40	2	1.55	15.2	32.5					94.3		SANDY SILT
2.4	550	1500		518	1445		19.6	42	4	1.80	12.4	32.2				41	86.9		SILTY SAND
2.6	800	1800		765	1745		19.1	44	6	1.29	17.4	34.0					102.9		SANDY SILT
2.8	360	1200		333	1145		18.6	45	8	2.49	7.2	28.2				39	62.0		SILTY SAND
3.0	300	1000		280	945		18.6	47	10	2.46	5.7	23.1				38	46.1		SILTY SAND
3.2	350	1200		323	1145		18.6	49	12	2.64	6.4	28.5				38	59.8		SILTY SAND
3.4	290	1100		265	1045		18.6	51	14	3.11	5.0	27.1				37	51.2		SILTY SAND
3.6	330	1200		302	1145		18.6	52	16	2.95	5.5	29.3				38	57.7		SILTY SAND
4.0	300	1200		270	1145		18.6	56	20	3.49	4.5	30.4				37	54.7		SAND
4.2	430	1400		397	1345		18.6	58	22	2.53	6.5	32.9				38	69.5		SILTY SAND
4.4	430	1400		397	1345		18.6	60	24	2.54	6.3	32.9				38	68.4		SILTY SAND
4.6	360	1400		323	1345		18.6	61	26	3.43	4.9	35.5				37	66.4		SAND
4.8	700	2500		625	2445		19.6	63	27	3.04	9.5	63.1				40	154.9		SILTY SAND