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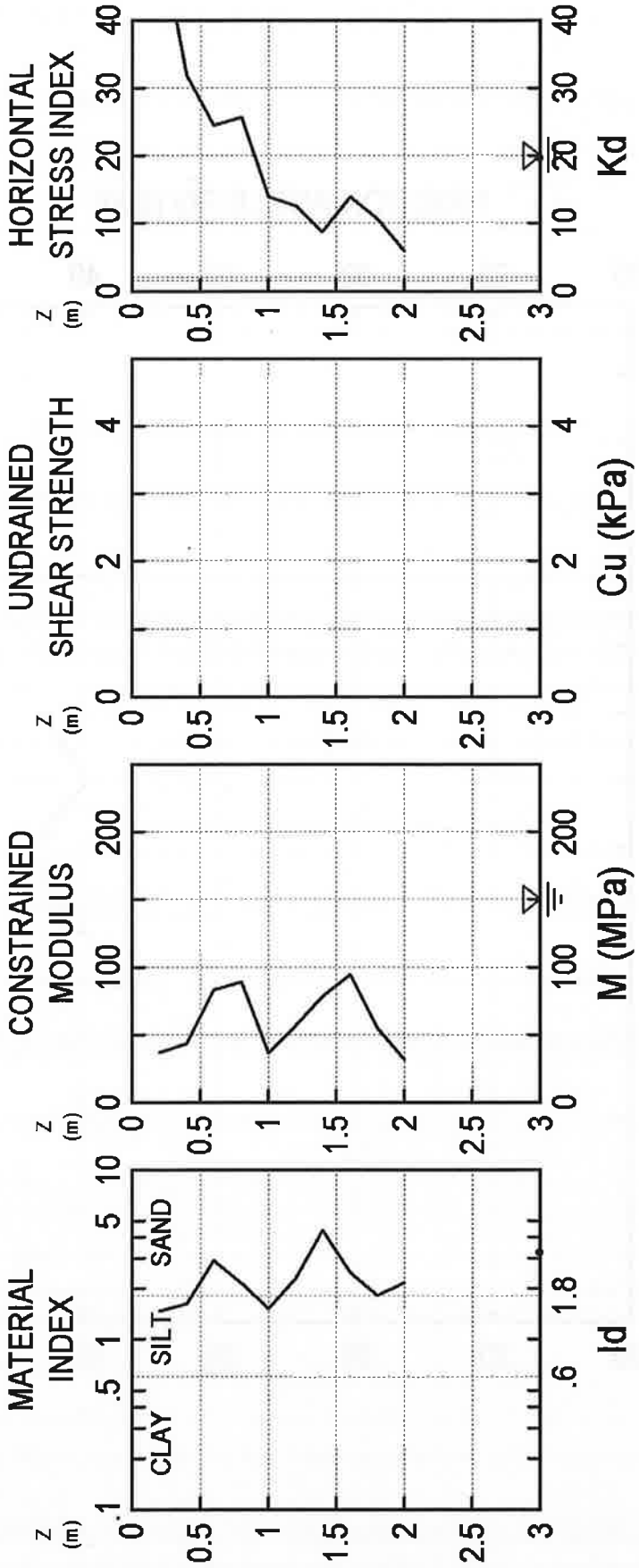
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DILATOMETER TEST (D M T)

Insitu Geotech Services (IGS)	Golder Associates	TEST
Rapid Transit	Gold Coast, QLD	D01
INTERPRETED GEOTECHNICAL PARAMETERS		9 SEP 2011

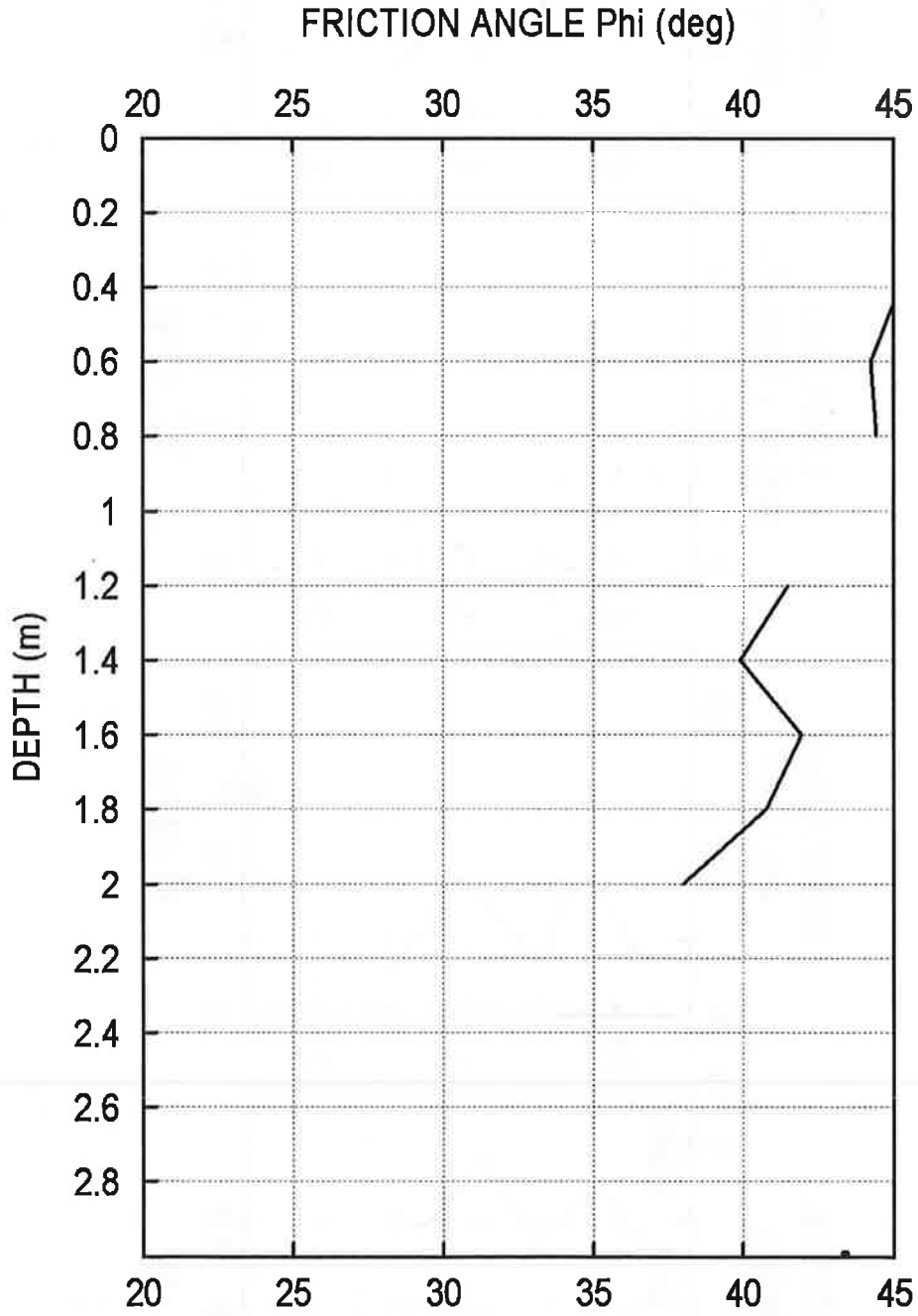


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DILATOMETER TEST (D M T)

Insitu Geotech Services (IGS)	Golder Associates	TEST
Rapid Transit	Gold Coast, QLD	**D01**
INTERPRETED GEOTECHNICAL PARAMETERS		9 SEP 2011



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D01

9 SEP 2011

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

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 = 11 kPa
DeltaB = 40 kPa
GammaTop = 17.0 kN/m^3
FactorEd = 34.7
Zm = 0.0 kPa
Zabs = 0.0 m
Zw = 3.0 m

Water Level below end of sounding
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)	D01 DESCRIPTION
0.2	180	480		179	440		16.7	3	0	1.46	52.5	9.1					36.9		SANDY SILT
0.4	220	600		215	560		16.7	7	0	1.61	31.9	12.0				45	43.1		SANDY SILT
0.6	270	1000		247	960		18.6	10	0	2.89	24.5	24.7				44	82.9		SILTY SAND
0.8	380	1150		355	1110		18.6	14	0	2.13	25.7	26.2				44	88.9		SILTY SAND
1.0	250	650		244	610		16.7	18	0	1.50	13.9	12.7					35.8		SANDY SILT
1.2	280	900		263	860		18.6	21	0	2.28	12.6	20.7				42	56.3		SILTY SAND
1.4	250	1200		216	1160		18.6	25	0	4.37	8.8	32.8				40	78.2		SAND
1.6	430	1400		395	1360		18.6	28	0	2.44	14.0	33.5				42	94.3		SILTY SAND
1.8	360	1000		342	960		18.6	32	0	1.81	10.7	21.5				41	54.9		SILTY SAND
2.0	220	700		210	660		17.7	36	0	2.15	5.9	15.6				38	31.4		SILTY SAND
3.0	1200	4500		1049	4460		21.1	53	0	3.25	19.6	118.4				43	371.5		SILTY SAND

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