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## **GEOTECHNICAL LOG**

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/2-2004

HOLE No	BH1
SHEET	_ <u>1</u> _ of _ <u>2</u> _
REFERENCE No	<u>H9520</u>

DECT No FQ5334 SURFACE R.L. 88.00 DATE STARTED 14/10/04 MACHINE TYPE Jeachy2600 To MACHINE TYPE Jeachy				<u>k Embankment Materi</u>		<u>n</u>	c	COORDINATES	422887.0 E	<u>; 7211451.0 N</u>
Soli, DESCRIPTION: Pleatedly or particle characteristics, colour, secondary components, moleture, consistency/density, structure, origin.  ROCK DESCRIPTION: Pleatedly or particle characteristics, colour, secondary components, moleture, consistency/density, structure, origin.  ROCK DESCRIPTION: Pleatedly or particle characteristics, colour, secondary components, moleture, page page page and page page.  ROCK DESCRIPTION: Pleatedly or particle structure, weathering, strength, defects.  PENETRATION RATE (min sec/ mi) secondary particle structure, origin, defects.  PENETRATION RATE (min sec/ mi) secondary particle structure, origin, defects.  Clayery SAND (XV Graintle):  Page orange brown, molet, very dense, loss to medium grained sand, some grass of fine gravel, 5mm maximum particle size, ~25-30% fines.  Clayery SAND (XV Graintle):  Page orange brown, molet, very dense, loss to medium pleaticity, fine to coanse grained sand, some properties of fine gravel or medium gravel throughout, 8mm maximum particle size, ~20%.  Clayery SAND (XV Graintle):  Page orange brown, molet, very dense, loss to medium pleaticity, fine to coanse grained sand, some gravel throughout, 8mm maximum particle size, ~20%.  Scott Penetration Rate = 1min 17aes.  Scott Penetration Rate = 1min 17aes.  Fines are low pleaticity and decrease to ~15% below 9.5m. The amount of fine gravel.  Scott Penetration Rate = 1min 17aes.	CATION							•		GDA94 MGA
SOIL DESCRIPTION: Plasticity or particle characteristics, colour, secondary components, mostuture, consistency/density, structure, origin.  ROCK DESCRIPTION: Lithology, colour, shucture, weathering, strength, defects.  Sandy, CLAY (Topscul/Readtabl Soil): Description of the strength of the structure origin.  Sandy CLAY (Topscul/Readtabl Soil): Description or strength of the stren		0							ON TYPE	Rotary Air Bor
Soil, DESCRIPTION. Peatsoly or particle thankerdristics, colour, secondary components, moisture, consideracyclementy, structure, origin.  ROCK DESCRIPTION. Limbogy, coour, structure, weathering, strength, defects.  Sandy CLAY (Topsoil/Residual Soil): BRicov. moist, very stiff, medium plasticity, fine to medium grained sand, some grass of fine descriptions, moist, very stiff, medium plasticity, fine to coarse grained sand, some fines of fine gravel; 5mm maximum particle size, ~25-30% fines.  Clayer, SAND With some gravel (HW Grantie): Pale crange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20%  Clayer, SAND with some gravel (HW Grantie): Pale crange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20%  SC  Clayer, SAND with some gravel (HW Grantie):  Pale crange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20%  4-5m: Penetration Rate = finin 20sec  5-6m: Penetration Rate = finin 20sec  7-5m: Penetration Rate = finin 20sec  8-6m: Penetration Rate = finin 20sec  8-6m: Penetration Rate = finin 20sec  Prices are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel	Mo .		_64/10C/35.1	DATUM	<u>AHD</u>	DATE COMPLETED	D <u>14/10/04</u>	MACH	INE TYPE	Jackro500 Top
South   Sout	1	٥	SOIL DE	ESCRIPTION: Plasticity of	or particle charac	teristics, colour, secondar	v components.	ADD	TIONAL DATA	A
Score   Rock Description: Unbroady, colour, structure, weathering, strength, defects.   PENETRATION RATE (minsec / m)   §   §		R	1 . 1					TE	ST RESULTS	ဖွ
Sc Sandy CLAY (Topsol/Residual Soil):  Brown, most, very stiff, medium plasticity, fine to medium grained sand, some grass provided in the state of fine gravel, Smm maximum particle size, ~25-30% fines.  Clayer SAND with some gravel (HW Granita):  Pale orange brown, most, very dense, low to medium plasticity, fine to coarse grained sand, trace of fine gravel, Smm maximum particle size, ~25-30% fines.  Clayer SAND with some gravel (HW Granita):  Pale orange brown, most, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20% fines.  SC Se Samt Penetration Rate = 1500 fines.  Sc Samt Penetration Rate = 1500 fines gravel (Hm Penetration Rate = 1500 fines).  Sc Samt Penetration Rate = 1500 fines gravel (Hm Penetration Rate = 1500 fines gravel).  Sc Samt Penetration Rate = 1500 fines gravel (Hm Penetration Rate = 1500 fines gravel).  Sc Samt Penetration Rate = 1500 fines gravel (Hm Penetration Rate = 1500 fines gravel).		S H	POCK D	DESCRIPTION: Lithology	, colour, structure	e, weathering, strength, do	efects.			n:sec/m) ₹
Brown, moist, very stiff, medium plasticity, fine to medium grained sand, some grass roles.  Clayery SAND (XW Granita):  SC  Clayery SAND (XW Granita):  Pale orange brown, moist, very dense, medium plasticity, fine to coarse grained sand, trace of fine gravel, 5mm maximum particle size, ~25-30% fines.  Clayery SAND with some gravel (HW Granite):  Pale orange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20% fines.  SC  SC  SC  SC  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel increases below 9.5m.  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel increases below 9.5m.  SC  SC  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel increases below 9.5m.	89.00	S  ¥			·				SIT TO TI E (IIIII	130C7 III) 14%
Tools.  Sc Cayey SAND (XW Granita): Pale orange brown, moist, very dense, medium plasticity, fine to coarse grained sand, trace of fine gravel, 5mm maximum particle size. ~25-30% fines.  Clayey SAND with some gravel (HW Granite): Pale orange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20% fines.  Sc S-6m: Penetration Rate = 1min: 25sec  5-6m: Penetration Rate = 1min: 25sec  8-7m: Penetration Rate = 1min: 17sec  7-8m: Penetration Rate = 1min: 25sec  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel increases below 9.5m.	99.60		Brown, mois	t (Topsoli/Residual Se st, very stiff, medium p	on): lasticity, fine to	medium grained sand	l, some grass			
SC    Pale or large brown, moist, very dense, medium plasticity, fine to coarse grained sand, trace of fine gravel, 5mm maximum particle size, ~25-30% fines.    Clayey SAND with some gravel (HW Granite):   Pale or sange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20% fines.    SC	. 00.00		roots.					1		
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SC  Clayey SAND with some gravel (HW Grante):  Pale orange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20%  4-5m. Penetration Rate = 100 min.23sec  5-6m. Penetration Rate = 100 min.23sec  6-7m. Penetration Rate = 100 min.23sec  7-6m. Penetration Rate = 100 min.23sec  8-6-7m. Penetration Rate = 100 min.23sec  7-6m. Penetration Rate = 100 min.23sec  9-6-7m. Penetration Rate = 100 min.23sec	·.									
Pale orange brown, moist, very dense, low to medium plasticity, fine to coarse grained sand, some fine to medium gravel throughout, 8mm maximum particle size, ~20% fines.  4-5m Penetration Rate = 100 finin 23sec  5-6m Penetration Rate = 100 finin 23sec  6-7m Penetration Rate = 100 finin 23sec  7-8m Penetration Rate = 11min 23sec  7-8m Penetration Rate = 11min 23sec  8-9m Penetration Rate = 11min 23sec  8-9m Penetration Rate = 11min 23sec	87.50	ļ				<b></b>		-		
SC  4-5m Penetration Rate = 500 min 23sec  5-6m Penetration Rate = 100 min 23sec  6-7m Penetration Rate = 100 min 23sec  7.8m Penetration Rate = 1 min 23sec  7.8m Penetration Rate = 1 min 23sec  8-9m Penetration Rate = 1 min 05sec  8-9m Penetration Rate = 1 min 05sec  9-10m Penetration Rate = 0 min 05sec			/// Pale orange	brown, moist, very de	ense, low to me	dium plasticity, fine to	coarse grained			
## 4-5m: Penetration Rate = 1500  ## 5-6m: Penetration Rate = 1500  ## 5-6m: Penetration Rate = 1500  ## 17-8m: Penetrati			sand, some	fine to medium gravel	throughout, 8r	nm maximum particle	size, ~20%			
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SC  5-6m: Penetration Rate = 500  6-7m: Penetration Rate = 100  1min:17sec  7-8m: Penetration Rate = 1min:22sec  8-9m: Penetration Rate = 1min:22sec  500  8-9m: Penetration Rate = 1min:05sec  500  9-10m: Penetration Rate = 0min:50sec	İ								ration Rate =	5000
79.50  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel increases below 9.5m.  Imin:20sec  6-7m: Penetration Rate = 100000000000000000000000000000000000								1min:23sec		
79.50  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel increases below 9.5m.  Imin:20sec  6-7m: Penetration Rate = 100000000000000000000000000000000000								Н		
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79.50  Fines are low plasticity and decrease to ~15% below 9.5m. The amount of fine gravel increases below 9.5m.    1min:05sec   9-10m: Penetration Rate = 0min:50sec   0min:5										500g
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	19.50				ise to ~15% be	low 9.5m. The amoun	it of fine gravel		tration Rate =	
	1 I	SC	/// increases be	low 9.5m.				H		

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## **GEOTECHNICAL LOG**

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/2-2004

HOLE No	BH1
SHEET	
REFERENCE No	H9520

CA	TION		<u>Pro</u>	posed borrow area at Campbell's Property	DATUM <u>GDA94 MG</u>
ROJECT No		0		334 SURFACE R.L. 89.00 DATE STARTED 14/10/04	EXCAVATION TYPE Rotary Air Be
٨	No		64/	0C/35.1 DATUM AHD DATE COMPLETED 14/10/04	MACHINE TYPE <u>Jackro500</u> T
	R.L. (m)	П		COULDESCORIDATION PLANTAL AND ARTHUR AND ART	ADDITIONAL DATA
	(111)	TERING	<b>∂</b>	SOIL DESCRIPTION: Plasticity or particle characteristics, colour, secondary components, moisture, consistency/density, structure, origin.	
		115	Ιō	ROCK DESCRIPTION: Lithology, colour, structure, weathering, strength, defects.	TEST RESULTS PENETRATION RATE (min.sec / m)
	79.00	USC	5		
				Clayey SAND (HW Granite): As above.	50
	*:				
	.*				10.5-11.5m: Penetration Rate = 50
		sc			Similaroseo
					11 5 10 5m December Date -
					11.5-12.5m: Penetration Rate = 50 Omin:38sec
	76.50				
				Hole ended at 12.5m	
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 $\begin{array}{l} \textbf{Project:} \ \underline{FG5334} \ \textbf{-} \ \underline{Apple Tree} \ \underline{Creek} \ \underline{Materials} \ \underline{Investigation} \\ \textbf{Borehole No:} \ \underline{1} \end{array}$ 

