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										_		FINAL 1	7/03/2016
***	È.						GE	OTECHNIC	CAL		BOREHOLE No	В	H276
Queensland						BOREHOLE LOG					Sheet 1 of 2		
Government					FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014				REFERENCE No H12428				
PROJECT	Mac	kay Ring	g Ro	bad									
LOCATION Stage 2 Overpass											COORDINATES 721249.6	E; 766323	33.8 N
PROJECT No FG6184 SURFACE RL 15.21m					_	PLU	NGE 9	0°	DATE STAR	TED 22/09/2015	GRID DATUM GDA 94 / MGA Z55		
JOB NO 242/10G/906 HEIGHT DATUM A.H.D.						BEARING DATE COMPLETED 22/09/2015					DRILLER S	axon Drill	ing
(m) R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION		ПТНОГОСУ	USCS WEATHERING	INTACT STRENGTH 표 <sub>니</sub> 푸,ㅗ,ㅈ,ㄱ,ㅊ,쿄 입,>	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
			A B C C C F	Sandy Silty CLAY (Residual) Pale brown, dry, stiff to very s Low plasticity. Fine grained sa Silty CLAY (Residual) Grey, moist, very stiff to hard. Low to medium plasticity. Trad grained sand.	ind.		(CL)		<u>, , , , , , , , , , , , , , , , , , , </u>			3, 6, 6 N=12 4, 6, 9 N=15 5, 8, 10 N=18 7, 10, 17 N=27 19, 30, 23 N=53 7, 6, 18 N=24	SPT SPT SPT SPT SPT
- - - - - - - - - - - - - - - - - - -	-		G	MICRODIORITE (Kgwu		>>≯  ă  ă						6, 23, 25 N=48	SPT
- 8 			H	/ XW: Recovered as Sandy CLAY moist, hard. Low plasticity. Fir grained sand.			xw					22, 30/70 30/110	SPT 
0.21	Continued on next sheet												
REMAR	KS:	Kgwu =	= W	/undaru Granodiorite							LOGGED BY	REVIE	WED BY
											M.Ensor	S.	Foley
					TMR GE	OTECH	INICAL BO	DREHOLE LOG - CREATED WITH H	IOLEBASE SI				

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										FINAL 1	7/03/2016
A A A	àr			(	GE	OTECHN	IICAL		BOREHOLE No	В	H276
	💓 Que	ensland			BO	REHOLE	LOG		Shee	et 2 of 2	
1 Se	S Gov	ernment		SYM		GEOTECHNICAL TE REFER FORM F:GE			REFERENCE No	Н	12428
PROJECT	Mackay Ring Ro	bad						[			
LOCATION	Stage 2 Overpa								COORDINATES 721249.	6 E; 76632	33.8 N
PROJECT No FG6184 SURFACE RL 15.21m					PLUNGE 90° DATE STARTED 22/09/2015 GRID DATUM GDA 94 / M						MGA Z55
JOB NO 242/10G/906 HEIGHT DATUM A.H.D. BEARING DATE COMPLETED 22/09/2015 DRILLER Saxon Drilling								ling			
	RQD			>	ğ	INTACT	DEFECT		ADDITIONAL DATA		
(m) HL R.L. (m)	AUGER CASING CORE DRILLING CORE DRILLING CORE DRILLING CORE OR CORE DRILLING	MATERIAL DES	CRIPTION	ГІТНОГОGY	USCS WEATHERING				AND TEST RESULTS		SAMPLES TESTS
5.11 5.11 11 12 3.01 13 2.26 1.61 14	(0) 1005 90 (7) (7) 100 (0)	CORE LOSS MICRODIORITE (Kgw ) HW: Dark grey, fine t grained, massive, gen strength. MICRODIORITE (Kgw ) SW: Dark grey, fine tu grained, massive, ver strength. CORE LOSS MICRODIORITE (Kgw ) KW: Recovered as br moist, very dense Cla MICRODIORITE (Kgw ) SW: Dark grey, fine tu grained, massive, ver strength. - Js; 5°-15° (2/m); Pl/	o medium nerally very low u o medium ry high u own-grey, ayey SAND. u o medium ry high		HW XW HW SW		C VC VC VC-C M	] 10.70m-11.00m: X	W zone; clayey [	s(50)=0.10 MPa s(50)=0.16 MPa s(50)=0.09 MPa s(50)=0.08 MPa s(50)=4.10 MPa c(50)=4.10 MPa s(50)=8.30 MPa s(50)=8.30 MPa	D (11.67m) D (11.95m) A (12.03m) D (12.35m) (13.85m) D (14.65m) D (14.65m)
	(97) <u>100</u> (100)				sw		w	16.40m-16.85m: A	Utered zon	s(50)=8.90 MPa s(50)=5.60 MPa	
				$\langle \rangle$			СМ			s(50)=1.20 MPa	D (17.15m)
				[M]					U	CS=199.00 MPa E=85.5 GPa	(17.55m)
18				X		-	w				-
-3.09	100	Borehole complete	ed at 18.30m	$\langle \cdot \rangle$		-	_		Isi	50)=12.00 MPa	A (18.27m)
REMAR	KS: Kgwu = W	Vundaru Granodio	rite						LOGGED BY	RFVI	EWED BY
								M.Ensor	S.Foley		
			TMR G	EOTECHN	NICAL BO	REHOLE LOG - CREATED 1	VITH HOLEBASE SI				·

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## CORE PHOTO LOG

DEPARTMENT OF TRANSPORT AND MAIN ROADS Geotechnical Section 35 Butterfield Street, Herston Qld 4006 Phone 07 3066 3336



Project Name	Mackay Ring Road Stage 2		
Project No.	FG 6184	Date	22/09/15
Borehole No.	BH 276	TMR H No.	H12428
Location	Port Access Rd Overpass Abutment B	Start Depth (m)	10.00
Detail		Finish Depth (m)	18.30
Chainage		Submitted By	BW
Remarks			
S CORE LOS	3.17 (2.50)		
La contraction de la contracti			
14:15	R END HOLE	e de la construcción de la const	
0 100	200 300 400 SCALE 1:5	500 600	700

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