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GEOTECHNICAL BOREHOLE LOG

FINAL 26/06/2015

BOREHOLE No BH230

Sheet 1 of 2

			GOV	er/	nment		SYN		GEOTECHNICAL TEI REFER FORM F:GEO			REFERENCE No	H1	2164
PROJE	:CT	Ipsv	vich Moto	rway	Upgrade - Rocklea	to Darra								
LOCAT	ΓΙΟΝ	Bou	Boundary Road Connection									COORDINATES 498644.1 E; 6950595.2 N		
PROJE	ECT No	FG6	202		SURFACE RL 4	SURFACE RL 4.04m		PLUNGE 90°		DATE STAR	RTED 29/04/2015	grid datum MGA94 Z56		6
JOB N	0	201	/416/003		HEIGHT DATUM AHD		BEARING °		DATE COMPLETED 29/04/2015		DRILLER North Coast		st	
DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING	RQD ()% CORE REC%	SAMPLE	MATERIAL DESCRIPTION		LITHOLOGY USCS WEATHERING		INTACT STRENGTH	DEFECT SPACING		ADDITIONAL DATA AND TEST RESULTS		SAMPLES TESTS
	3.04			A	Sandy SILT (Top So Grey brown, moist stiff. Low plasticity, som roots. Silty CLAY (Alluviu Brown grey orange	t-dry, firm to ne tree & grass im)	×	(ML)					4, 5, 5 N=10	SPT
- - - - - 2 - -	1.89	-		В	Clayey SAND (Allur Pale brown yellow	dium plasticity65m: Becoming Sandy Clay. yey SAND (Alluvium) e brown yellow grey , moist,		(CI)	-				6, 9, 5 N=14	SPT
- - - - 3 - - - - -					nedium dense. Fine grained sand; some zones of Silty CLAY and Sandy CLAY. 3.0m: Becoming loose.					- - - - - - - - - - - -		12/06/ 3 LL=27% PI= MC=17.8% LS <75μm=		SPT
- 4 - 4 				D	4.0m: Becoming r	medium			-	- - - - - - - - -			5, 9, 15 N=24	SPT
5 - 5 6 6				Е	5.0m: Becoming r dense to dense. 5.5m: Colour char yellow orange. Fir sand. 6.0m: Becoming \$	nged to ne to medium		sc	-	-			16, 22, 17 N=39	SPT
7 7 7				F G	Clay					- - - - - - - -			N=19 6, 15, 18 N=33	SPT
	-4.11	-		н	8.0m: Coarse Sar Silty CLAY (Residua	al)				-			10, 4, 7 N=11	SPT
					Grey brown , moist, stiff mainly very stiff. High plasticity,	ει, ѕτιπ το		(CH)				4, 9, 15 N=24		SPT
-	-5.96						<u>-</u> -			-				-
R	Continued on next sheet REMARKS: A standpipe is installed in this borehole.												REVIEWED BY	
							F0777					MS		SF
						77.10.0	FOTEC	INDICAL OF		THE HOLEDACE CL				

Queensland Government

GEOTECHNICAL BOREHOLE LOG

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Sheet 2 of 2

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 H12164 REFERENCE No Ipswich Motorway Upgrade - Rocklea to Darra PROJECT COORDINATES 498644.1 E; 6950595.2 N **Boundary Road Connection** LOCATION DATE STARTED 29/04/2015 GRID DATUM MGA94 Z56 FG6202 SURFACE RL 4.04m PLUNGE 90° PROJECT No 201/416/003 BEARING ° DATE COMPLETED 29/04/2015 DRILLER North Coast HEIGHT DATUM AHD JOB No ADDITIONAL DATA AND TEST RESULTS USCS WEATHERING RQD INTACT STRENGTH DEFECT SPACING LITHOLOGY SAMPLES TESTS DEPTH (m) SAMPLE R.L. (m) MATERIAL DESCRIPTION CORE REC % ᇁᆂᆂᆂᅬᅿᅿᆿᆸᆔᇬᄓᇗᇂᇂᇕ 7, 11, 6 N=17 Silty CLAY (Residual) SPT (CH) (Contd') -6.41 Borehole completed at 10.45m 12 13 15 16 17 18 REMARKS: A standpipe is installed in this borehole. **LOGGED BY REVIEWED BY** MS SF TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI



STANDPIPE INSTALLATION LOG

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014

BOREHOLE No BH230

Sheet 1 of 2

PIEZOMETER No BH230

Ipswich Motorway Upgrade - Rocklea to Darra PROJECT **Boundary Road Connection** COORDINATES 498644.1 E; 6950595.2 N LOCATION grid datum MGA94 Z56 FG6202 SURFACE RL 4.04m PLUNGE 90° DATE STARTED 29/04/2015 PROJECT No DRILLER North Coast 201/416/003 BEARING $^{\circ}$ HEIGHT DATUM AHD DATE COMPLETED 29/04/2015 JOB No Standpipe Construction Details Ξ LITHOLOGY R.L. MATERIAL DESCRIPTION (m) Depth (m) /RL 50mm PVC Class No. 18 **Backfill Details** (AHD) Stick Up = 0.50m Sandy SILT (Top Soil) Grey brown, moist-dry, firm to stiff. Low plasticity, some tree & grass roots. 3.04 Grout (Bentonite / Cement Mix) Silty CLAY (Alluvium) Brown grey orange mottled, moist, stiff. Medium plasticity. 1.65m: Becoming Sandy Clay. 2.00m / 2.04 AHD 1.89 Clayey SAND(Alluvium) Pale brown yellow grey, moist, medium dense. Bentonite Seal Fine grained sand; some zones of Silty CLAY and 12/06/2015 Sandy CLAY. 3.00m / 1.04 AHD 3.0m: Becoming loose. 4.00m / 0.04 AHD Top of Slotted Pipe 4.0m: Becoming medium dense 5.0m: Becoming medium dense to dense. 5.5m: Colour changed to yellow orange. Fine to medium sand. 6.0m: Becoming Sand with Clay Filter: Washed / Graded Sand -4.11 8.0m: Coarse Sand. Silty CLAY(Residual) Grey brown, moist, stiff to mainly very stiff. High plasticity, -5.96 Continued on next sheet REMARKS: A standpipe is installed in this borehole. **LOGGED BY REVIEWED BY** MS SF TMR STANDPIPE INSTALLATION LOG - CREATED WITH HOLEBASE SI

FINAL 26/06/2015



STANDPIPE INSTALLATION LOG

BH230 BOREHOLE No

Sheet 2 of 2

FOR GEOTECHNICAL TERMS AND SYMBOLS REFER FORM F:GEOT 017/8-2014 BH230 PIEZOMETER No Ipswich Motorway Upgrade - Rocklea to Darra PROJECT **Boundary Road Connection** COORDINATES 498644.1 E; 6950595.2 N LOCATION SURFACE RL 4.04m PLUNGE 90° DATE STARTED 29/04/2015 FG6202 GRID DATUM MGA94 Z56 PROJECT No DRILLER North Coast 201/416/003 BEARING $^{\circ}$ HEIGHT DATUM AHD DATE COMPLETED 29/04/2015 JOB No **Standpipe Construction Details** DEPTH (m) LITHOLOGY R.L. MATERIAL DESCRIPTION (m) Depth (m) /RL 50mm PVC Class No. 18 **Backfill Details** (AHD) Stick Up = 0.50m Silty CLAY(Residual) (Contd') -6.41 10.45m / -6.41 AHD Borehole completed at 10.45m 11 12 13 15 16 17 18 19 REMARKS: A standpipe is installed in this borehole. **LOGGED BY REVIEWED BY** MS SF TMR STANDPIPE INSTALLATION LOG - CREATED WITH HOLEBASE SI