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CLIENT	Port of Brisbane Pty Ltd	LOGGED BY	Kieran Toon
PROJECT	Port Drive Upgrade	CHECKED BY	Jon Gerig
CONTRACTOR	Hydrapower Scout	DRILLED DATE	26-Aug-16
DRILL MODEL	Douglas Partners	GROUND LEVEL	RL 10.95m
DRILLER		LOCATION	516182 E 6969915 N
		ANGLE	Vertical
		BEARING	-
		HOLE DIAMETER	75mm (W)
		ELEVATION DATUM	
		COORDINATE SYSTEM	

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION	OBSERVATION											
	SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL			LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY								
										COHESIVE					NON COHESIVE			
mAHD	m						VS	SL	ST	ST	ST	ST	VL	VL	MD	VD		
ASS 0.0-0.25					Sandy GRAVEL fine to coarse, pale grey-brown, gravel is sub-angular, trace clay.	D											FILL	
ASS 0.25-0.5 D 0.25-0.75 ASS 0.5-0.75 ASS 0.75-1.0																	FILL	
ASS 1.0-1.25 SPTLS SPT01 N=15 5,8,7	9.85	1.10			Sandy CLAY high plasticity, brown, sand is medium to coarse grained, trace gravel is fine grained, sub-angular.	M											FILL	
ASS 1.25-1.5 ASS 1.5-1.75	9.45	1.50			Sandy GRAVEL fine to coarse, sub-angular, pale brown, sand is fine to coarse grained, trace clay.	D											FILL	
ASS 1.75-2.0 ASS 2.0-2.25	8.95	2.00			CLAY high plasticity, dark grey, with fine, sub-angular gravel.	M											FILL	
ASS 2.25-2.5 ASS 2.5-2.75 SPTLS SPT02 N=9 8,6,3	8.15	2.80			Sandy CLAY high plasticity, red-brown, sand is fine to medium grained.	M											FILL	
ASS 2.75-3.0 ASS 3.0-3.25 ASS 3.25-3.5 ASS 3.5-3.75 ASS 3.75-4.0																	FILL	
ASS 4.0-4.25 ASS 4.25-4.5	6.95	4.00			SAND fine to medium, grey, with high plasticity clay.	M											FILL	
SPTLS SPT03 N=5 1,3,2																	FILL	
																	FILL	
SPTLS SPT04 N=13 6,4,9	5.75	5.20			Gravelly SAND medium to coarse, white, gravel is sub-angular to angular, grey, clay is high plasticity, brown.	M											FILL	
																	FILL	
SPTLS SPT05 N=23 9,4,19	4.45	6.50			GRAVEL fine to coarse, angular to sub-angular, brown-grey, trace high plasticity clay, trace medium to coarse grained sand.	M											FILL	
																	FILL	
																	FILL	
	3.15	7.80			SAND fine, pale grey, possibly dredged sand used for reclamation.	M											FILL	

NOTES	JOB	249964
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 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15 Jun 11 checked AB/ACP Feb 2006)  
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CLIENT	Port of Brisbane Pty Ltd	LOGGED BY	Kieran Toon
PROJECT	Port Drive Upgrade	CHECKED BY	Jon Gerig
CONTRACTOR	Hydrapower Scout	DRILLED DATE	26-Aug-16
DRILL MODEL	Douglas Partners	ANGLE	Vertical
DRILLER		BEARING	-
		HOLE DIAMETER	75mm (W)
		GROUND LEVEL	RL 10.95m
		LOCATION	516182 E 6969915 N
		ELEVATION DATUM	
		COORDINATE SYSTEM	

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION								OBSERVATION				
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY								SOIL ORIGIN, STRUCTURE, ETC.			
	m	m					COHESIVE				NON COHESIVE							
							VS	SL	ST	VST	H	VL	LD	VD				
SPTLS SPT06 N=32 9;16,16		9			SAND fine, pale grey, possibly dredged sand used for reclamation. <i>(continued)</i>												<b>FILL</b>	
SPTLS SPT07 N=10 4;5,5		10																
	-0.05	1111.00			ORGANIC MATERIAL brown, drilled through wood, likely fallen tree trunk.													<b>FILL</b>
	-0.35	11.30			Clayey SAND fine to medium, grey, clay is high plasticity, trace marine shells throughout.													<b>HLCN</b>
SPTLS SPT08 N=5 4;3,2		12																
SPTLS SPT09 N=1 1;0,1		13																
		14																
SPTLS SPT10 N=2 1;1,1		15																

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CLIENT	Port of Brisbane Pty Ltd	LOGGED BY	Kieran Toon
PROJECT	Port Drive Upgrade	CHECKED BY	Jon Gerig
CONTRACTOR	Hydrapower Scout	DRILLED DATE	26-Aug-16
DRILL MODEL	Douglas Partners	ANGLE	Vertical
DRILLER		BEARING	-
		HOLE DIAMETER	75mm (W)
		GROUND LEVEL	RL 10.95m
		LOCATION	516182 E 6969915 N
		ELEVATION DATUM	
		COORDINATE SYSTEM	

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION										OBSERVATION				
	SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL		LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY										SOIL ORIGIN, STRUCTURE, ETC.	
		mAHD	m						COHESIVE					NON COHESIVE						
					VS	SL			ST	VT	HT	VL	LD	VD						
SPTLS SPT11 N=0 0,0,0					Clayey SAND fine to medium, grey, clay is high plasticity, trace marine shells throughout. (continued)													HLCN		
	-6.25	17.20			CLAY high plasticity, grey brown with dark brown mottling, trace fine grained sand.	M												PLSTNC		
SPTLS SPT12 N=7 0,2,5																				
SPTLS SPT13 N=14 4,6,8																				
SPTLS SPT14 N=12 2,5,7																				
SPTLS SPT15 N=20 5,7,13	-10.95	21.90			SAND fine, pale grey. .... 22.00m loss of circulation of drilling fluid	M												PLSTNC		
	-11.10	22.05			CLAY medium plasticity, pale grey-brown with minor orange mottling, trace fine grained sand.	M												PLSTNC		
SPTLS SPT16 N=21 12,12,9	-12.45	23.40			SAND fine to medium, orange - brown.	M												PLSTNC		

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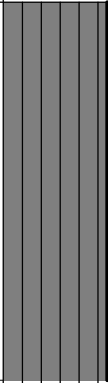
CLIENT	Port of Brisbane Pty Ltd	LOGGED BY	Kieran Toon
PROJECT	Port Drive Upgrade	CHECKED BY	Jon Gerig
CONTRACTOR	Hydrapower Scout	DRILLED DATE	26-Aug-16
DRILL MODEL	Douglas Partners	GROUND LEVEL	RL 10.95m
DRILLER		LOCATION	516182 E 6969915 N
		ANGLE	Vertical
		BEARING	-
		HOLE DIAMETER	75mm (W)
		ELEVATION DATUM	COORDINATE SYSTEM

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION								OBSERVATION				
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY								SOIL ORIGIN, STRUCTURE, ETC.			
	mAHd	m					COHESIVE				NON COHESIVE							
							VS	SL	ST	VST	H	VL	LD	VD				
SPTLS SPT17 N=31 8;14,17	-13.05	24.00			SAND fine to medium, grey - brown.												PLSTNC	
		25																
		25.50																
SPTLS SPT18 N=30 13;14,16	-14.55	25.50			CLAY medium plasticity, grey, with fine grained sand. .... 25.50m - 28.00m occasional green patches and iron stained brown	D-M											RS/XW	
		26																
		27																
SPTLS SPT19 N=60* 4;30/150	-17.05	28.00			CLAY medium plasticity, dark grey - brown, with fine grained sand.	D-M											RS/XW	
		29																
SPTLS SPT20 N=60** 30/150s	-18.55	29.50			BASALT dark grey - brown.	D-M											BASALT	
		30																
		31																
SPTLS SPT21 N=50** 25/150s																		

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 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15 Jun 11 checked AB/ACP Feb 2006)  
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CLIENT	Port of Brisbane Pty Ltd	LOGGED BY	Kieran Toon
PROJECT	Port Drive Upgrade	CHECKED BY	Jon Gerig
CONTRACTOR	Hydrapower Scout	DRILLED DATE	26-Aug-16
DRILL MODEL	Douglas Partners	GROUND LEVEL	RL 10.95m
DRILLER		LOCATION	516182 E 6969915 N
		ANGLE	Vertical
		BEARING	-
		HOLE DIAMETER	75mm (W)
		ELEVATION DATUM	
		COORDINATE SYSTEM	

DRILLING	STRATA				MATERIAL DESCRIPTION	CONDITION								OBSERVATION			
SAMPLE, TEST, BIT, SUPPORT, ETC.	R.L.	DEPTH	GROUP SYMBOL	LEGEND	SOIL TYPE Plasticity / Grain Size, Colour, Minor Components	WATER / MOISTURE	CONSISTENCY								SOIL ORIGIN, STRUCTURE, ETC.		
	mAHD	m					COHESIVE				NON COHESIVE						
							VS	SL	ST	VST	HL	VL	LD	VD			
SPTLS SPT <sub>N=50*</sub> 25/150s		33			BASALT dark grey - brown. (continued)												<b>BASALT</b>
		34			Borehole continued as a Cored Drillhole												
		35															
		36															
		37															
		38															
		39															

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 Log: 1.0.1 AUSTRALIA GENERAL BOREHOLE LOG (rev 15 Jun 11 checked AB/ACP Feb 2006)  
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CLIENT	Port of Brisbane Pty Ltd	LOGGED BY	Kieran Toon
PROJECT	Port Drive Upgrade	CHECKED BY	Jon Gerig
		DRILLED DATE	26-Aug-16
CONTRACTOR	Hydrapower Scout	ANGLE	Vertical
DRILL MODEL	Douglas Partners	BEARING	-
DRILLER		HOLE DIAMETER	75mm (W)
		GROUND LEVEL LOCATION	RL 10.95m 516182 E 6969915 N
		ELEVATION DATUM	
		COORDINATE SYSTEM	

DRILLING				STRATA		MATERIAL DESCRIPTION ROCK TYPE Grain Size, Texture/Fabric, Colour, Minor Components	WEATHERING EL VL LI MI VI HE	ESTIMATED ROCK STRENGTH Is 50 (MPa)	FREQUENCY (per m)	DISCONTINUITIES			GENERAL DESCRIPTION Planarity, Roughness, Coating, Infill		
TCR % (Drill rate)	SCR / (RQD)	FLUSH RETURN % (TYPE)	SAMPLES (CaCO <sub>3</sub> , SPT, UCS, etc)	R.L.	DEPTH					GRAPHIC LOG	TYPE	ANGLE		THICKNESS (mm)	
				mAHD	m										
				-23.05	34.00	Continued from Borehole BASALT dark grey - brown.									
				-24.95	35.90	End of Borehole at 35.90m									

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NOTES	See explanatory notes for details of abbreviations and basis of descriptions	JOB <b>249964</b>
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