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Retrieved from the Queensland Geotechnical Database <a href="http://qgd.org.au/">http://qgd.org.au/</a>

ARUP	Trial Pit Log	Job No. 249964	T-TP16	Page 1 of 1
711 (01		Contractor		·
			Ground Level (m)	Date
Port Drive Upgrade			1.95	01-Sep-16

San	Samples & tests			Strata log								
Depth	Sample Type Ref	Test Result	Red. Level	Level Legend (I nick- Description								
-			1.8	×××	(0.20) 0.20	Silty/Clayey SAND (SM) fine to medium grained, dark brown, with organics (rootlets, roots and vegetation), moist, soft.	Stratum	Geology				
. 0.20-0.75 - - -	В		-		(0.55)	loose 0.45 No roots		FILL				
- - 0.75-1.10 - -	В		0.9		0.75 (0.35)	CLAY/SILT (CL) low plasticity, rotten egg smell, trace sand, fine grained, with gravel, fine to coarse, angular to rounded, wet, very soft.		HLCN				
- - -					-	1.10 Very stiff to hard Trial pit completed at 1.1m depth						
- - -					- - -							
-  -			_		-							
- - -			_		- - -							
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- - -			-		- - -							
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Remarks

Local coords: MGA coords: 516505.76E,6967477.5N Ground level = 1.95mOD Investigation/cluster ref: Main

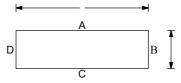
Plant: 8T Crew: MF Backfilled: 01-Sep-16

## Groundwater

Groundwater encountered at 0.55m depth

Shoring/Support: None

Stability: Walls slowly collapsing below 0.55m



Logged by: GCP

Database check:

ARI	UP	DYNAMIC CONE PENETROME TEST RESULTS								TER									Test No. <b>TP16</b>																			
Proje	ect Name	Port Drive Up	Port Drive Upgrade														Sheet 1 of 1																					
R.L. Ground (m)		1.95	R.L. Finished Surface Level (m)												Easting / Northing																							
Depth below surface	Blows/ 100mm	Cumulative Blows					•												Gr	ap	hic	Lo	g															
(m)	(n)	(Σn)	F		П	Ŧ	1 1		Н	Ļ	<u> </u>	1	Н	_	1 1		F			Н		1		H		П	1		T		H			Ŧ		<u> </u>	<del>_</del>	Ŧ
0.0 - 0.1			H	+	H	╀	H	-	+	Н	-	+		+	+	$\perp$	-		-	Н	+	+	$\vdash$	H		H	╁	+	-	+	Н	-	H	-	-	H	+	┨
0.1 - 0.2 0.2 - 0.3			${\it H}$	+	Н	╂	Н	+	+	H	-	+		+	Н	+	╂		+	Н	+	+	H	Н	+	Н	╂	+	-	Н	H	+	H	H	+	H	+	┨
0.2 - 0.3			${\color{blue}+}$	+	H	╁	H	+	+	H	+	+	H	+	H	+	╂	H	+	H		+	H	H	+	H	╁	+	+	+	H	+	H	+	+	H	+	1
0.4 - 0.5			H	╁	H	╂	H	+	+	H	+	+	H	+	H	H	┢	H	+	H	+	+	H	H	╁	H	╁	+	+	H	H	+	H	H	H	H	+	1
0.5 - 0.6			H	+	H	H	H	+	$^{+}$	H				+	H	$^{+}$	╁	H	+	H		+	H	H		H	ł	+		H	H	+	H	H		H	+	1
0.6 - 0.7			$\dag \dagger$	+	H	t	$\dagger \dagger$		+	H	1	$\dagger$	H	$\dagger$	H		1	H	+	H	$\dagger$		H	H		Ħ	t	+	1	$\dagger$	H	+	H	H	t	H	+	1
0.7 - 0.8			H	t	H	╁	Ħ	t	Ħ	H	t	T		$^{+}$	Ħ	Ħ	t	Ħ	t	H	T	$\top$	H	Ħ	t	Ħ	t	Ħ	1	Ħ	H	t	t	Ħ	t	H	+	1
0.8 - 0.9			ΙŤ	Ť	H	t	П		$\parallel$	H		t		$\dagger$	Ħ	T	T	H		H	T	T	h	Ħ		Ħ	t	T			Ħ		T	Ħ	T	H	$\dagger$	1
0.9 - 1.0			ΠŤ	Ť			П								Ħ	T	T			П				Ħ		П	T	Ħ			Ħ		T			П	T	1
1.0 - 1.1			П	T			П								П									П		П	Ī				Ħ		Ì			П	T	1
1.1 - 1.2	15	15																																		П	T	1
1.2 - 1.3																	Ī							П			Ì									П	T	1
1.3 - 1.4																																						]
1.4 - 1.5			Ц				Ш																	Ш		Ш										Ц		
1.5 - 1.6			Ц		Ш		Ц		Ш	Ц					Ш					Ш			Ц	Ш		Ш	1	Ш		Ш	Ш					Ц	┵	
1.6 - 1.7			Ц		Ш		Ш		Ш	Ц					Ш	Ц							Ц	Ш		Ц				Ш	Ц			Ц		Ц	$\perp$	
1.7 - 1.8			Ц		Ш	4	Ш		$\bot$	Ц	_				Ш	4	_			Ш	4		Щ	Ш		Ш	1		_	Ш	Ц			4		Ц	$\downarrow$	1
1.8 - 1.9			ppu	-	Н	-	Н	_		Ц				-	H		-		-	H			Н	Н		Н	-			Ш	Ц	-	L	4		Н	4	1
1.9 - 2.0			$oldsymbol{ert}$	+		-	$\coprod$	-	+	Ц	-	-		-	H	4	-		-	Н	4	-	H	Н		Н	-	$\bot$	_	$\bot$	Щ	-		4		H	$\downarrow$	4
2.0 - 2.1			dash	+	$\sqcup$	-	H	-	+	H	-	-	H	+	H	4	-	H	-	Н	-	-	H	H		Н	-	+	4	+	H	-	H	+	-	H	+	-
2.1 - 2.2			dash	+	Н	╂	Н	-	+	Н	-	-	H	+	H	+	╂	H	-	Н	+	+	H	H		Н	╁	+	+	+	Н	-	H	H	$\blacksquare$	H	+	1
2.2 - 2.3 2.3 - 2.4			${\it H}$	+	H	╬	H	+	+	H	-	+	H	+	+	-	╂	H	+	H	+	+	H	Н	-	Н	╁	+	4	+	H	+	H	H	+	H	+	1
2.3 - 2.4			${\it H}$	╁	H	╂	H	+	+	H	+	+	H	+	H	H	╂	H	+	H			H	Н	+	H	╬	+		H	H	+	H	H		H	+	-
2.5 - 2.6			H	+	H	H	H	+	+	H	+	+	H	+	H	H	╁	H	+	H	+	+	H	H	ł	H	╂	+	+	H	H	+	H	H	H	H	+	1
2.6 - 2.7			H	+	H	H	H	+	$^{+}$	H				+	H	$^{+}$	╁	H	+	H		+	H	H		H	ł	+		H	H	+	H	H		H	+	1
2.7 - 2.8			H	$\dagger$	H	┢	H	Ŧ	$\dagger$	H	+		H	$\dagger$	H	$\top$	┢	Ħ	t	H	-	+	H	H	t	H	t	$\dagger$	$\dagger$	Ħ	H	t	H	H	t	H	+	1
2.8 - 2.9			H	t		T	H		$\parallel$	Ħ	-			T	Ħ		┢	Ħ		Ħ			H	Ħ		Ħ	t	$\mathbf{T}$	1	T	H		Ħ	Ħ	t	H	$\dagger$	1
2.9 - 3.0			Π	$\dagger$	H	t	Ħ	$\dagger$	$\dagger \dagger$	H	$\dagger$	t	Ħ	$\dagger$	П	$\dagger$	T	Ħ	t	Ħ	$\dagger$	$\dagger$	$\dag \uparrow$	Ħ	$\dagger$	Ħ	t	Ħ	†	$\dagger \dagger$	Ħ	t	Ħ	Ħ	Ħ	Π	十	1
3.0 - 3.1			Π	Ť		T	П		П	П					П	T	T				T			Ħ		Ħ	T	Ħ	ı		П		Ī	T	t	П	T	1
3.1 - 3.2			П																								ı									ΠĪ	T	1
3.2 - 3.3																																						
3.3 - 3.4																																						
3.4 - 3.5																																						]
3.5 - 3.6			Ц		Ц		Ш			$\coprod$			Ц							П				Ш		Ц					Ц		Ĺ			Ц		
3.6 - 3.7			Ц		Ц		Ц	$\int$		Ц	┙	Ĺ	$\coprod$		Ш	$\prod$		$\coprod$		Ц	$\int$		Щ	Ц		Ц		Ш		Щ	Ц		$\prod$	$\coprod$	Ĺ	Ц	╧	
3.7 - 3.8			Ц	┸	Ц	ļ	Ш	$\perp$	Ш	Ц	_		Ц	$\perp$	Ц	$\perp$			_	Ц	Ц		Ц	Ц		Ц	┸	Ц	_	Ш	Ц	_	Ц	Ц		Ц	丄	1
3.8 - 3.9			Ц	╀	Ц	┸	Ш	$\downarrow$	Щ	Ц	$\downarrow$	L	Ц	$\downarrow$	Ц	$\perp$	_	Ц	_	Ц	$\downarrow$	$\bot$	$\coprod$	Ц	$\perp$	Ц	┸	Щ	$\downarrow$	Щ	Ц	_	Ц	Ц	$oldsymbol{\perp}$	Ц	$\downarrow$	1
3.9 - 4.0			ப																				Ш	Ш		Ш				Ш	Ц			Ц		Ц	$\perp$	L
Comments																							Ma Fig		Ву		- (	GC	<u>P</u>			ate b N		1	/09	<u>}/2(</u>	016	<u>;</u>
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