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**Queensland  
Government**

## GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH213**

Sheet 1 of 2

REFERENCE No **H12157**

PROJECT **Ipswich Motorway Upgrade - Rocklea to Darra**

LOCATION **Approach Embankment**

COORDINATES **498918.8 E; 6951084.8 N**

PROJECT No **FG6202**

SURFACE RL **3.42m**

PLUNGE **90°**

DATE STARTED **15/05/2015**

GRID DATUM **MGA94 Z56**

JOB No **201/416/003**

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **15/05/2015**

DRILLER **North Coast**

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CORE DRILLING	RQD (%)  CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH					DEFECT SPACING					ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS						
								EH	VH	H	M	J	VI	EL	EC	VC	C			M	W	VW	EW		
	2.62				Sandy Silty CLAY (Alluvium) Brown grey yellow, moist, <del>soft-</del> Medium plasticity, fine grained sand. <del>firm</del>		(CI)																		
1				A	Sandy CLAY (Alluvium) Grey brown, moist, <del>very-soft to soft-</del> <del>soft to firm</del> Low plasticity, fine to medium grained sand, minor rootlets.		(CL)															hw, 1, 1 N=2	SPT		
2	1.12			B	<div>Change in color; becoming yellow brown</div> Silty CLAY (Alluvium) Brown mottled yellow, moist, <del>very soft to soft-</del> Medium to low plasticity, trace organic matter. <div>Trace gravel, gravel is &lt;15mm, angular</div> <del>soft to firm</del>		(CI)																1, 2, 3 N=5	SPT	
3				C			(CI)																1, 1, 1 N=2	SPT	
4	-0.88			D			(SC)																hw, 2, 2 N=4	SPT	
5	-1.83			E	Clayey SAND (Alluvium) Dark Brown, wet, very loose. Fine to medium grained sand.		(SC)																hw, hw, hw N<1	SPT	
6				F	Silty CLAY with Sand (Alluvium) Dark Grey, moist, <del>very-soft-</del> Medium plasticity; organic material throughout; sand is fine grained. <del>soft to firm</del>		CI																hw, hw, hw N<1 LL=49% PI= 29% MC=68.6% LS= 14% <75µm= 75%	SPT	
7				G																			hw, hw, hw N<1 LL=45% PI= 27% MC=69% LS= 12% <75µm= 85%	SPT	
8	-4.38			H	Silty SAND (Alluvium) Dark grey, wet, medium dense. Fine to medium grained sand.		(SM)																	3, 4, 6 N=10	SPT
9				I																				6, 9, 12 N=21	SPT
	-6.58																								

Continued on next sheet

REMARKS:

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REVIEWED BY

JL/CB/DC

SF



GEOTECHNICAL  
BOREHOLE LOG

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BOREHOLE No **BH213**

Sheet 2 of 2


REFERENCE No **H12157**

PROJECT **Ipswich Motorway Upgrade - Rocklea to Darra**

LOCATION **Approach Embankment** COORDINATES **498918.8 E; 6951084.8 N**

PROJECT No **FG6202** SURFACE RL **3.42m** PLUNGE **90°** DATE STARTED **15/05/2015** GRID DATUM **MGA94 Z56**

JOB No **201/416/003** HEIGHT DATUM **AHD** BEARING **°** DATE COMPLETED **15/05/2015** DRILLER **North Coast**

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CORE DRILLING	RQD ( ) %  CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH					DEFECT SPACING					ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS				
								EH	VH	H	M	J	VL	EL	EC	VC	C			M	W	VW	EW
	-7.03			J	Sandy GRAVEL (Alluvium) Dark grey, wet, medium dense. Gravel is <30mm, angular to sub angular, fine to coarse grained sand. <div>Borehole completed at 10.45m</div>		(GW)												5, 5, 11 N=16	SPT			
11																							
12																							
13																							
14																							
15																							
16																							
17																							
18																							
19																							

REMARKS:	LOGGED BY	REVIEWED BY
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TMR GEOTECHNICAL BOREHOLE LOG - CREATED WITH HOLEBASE SI