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**Queensland  
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**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH224**

Sheet 1 of 3

REFERENCE No **H12160**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Overflow Bridge	COORDINATES 498729.7 E; 6951028.4 N	
PROJECT No	FG6202	SURFACE RL 1.37m	PLUNGE 90°
			DATE STARTED 27/04/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 28/04/2015
			DRILLER North Coast

DEPTH (m)	R.L. (m)	AUGER CASING WASHBORING CONE DRILLING	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
0.37					Silty CLAY (Alluvium) Grey brown, wet, <b>very soft</b> . High plasticity.	(CH)				12/06/2015	
1				A	Clayey SAND (Alluvium) Grey brown mottled, wet, very loose. Fine grained sand.					hw, 2, 2 N=4	SPT
2				B						hw, hw, hw N<1	SPT
3											
4				C	Becoming loose.					1, 3, 5 N=8	SPT
5						(SC)					
6				D	Becoming medium dense.					7, 9, 12 N=21	SPT
7				E						9, 9, 9 N=18	SPT
8	-6.83				Sandy Gravel. Fine to medium, angular to sub angular.						
9	-8.63			F	Silty CLAY (Alluvium) Grey, moist - wet, very stiff. High plasticity.	(CH)				7, 10, 12 N=22	SPT

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REMARKS: Tod - Darra formation.  
A standpipe is installed in this borehole.

LOGGED BY	REVIEWED BY
MS	SF



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**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH224**

Sheet 2 of 3

REFERENCE No **H12160**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra				
LOCATION	Oxley Creek Overflow Bridge		COORDINATES 498729.7 E; 6951028.4 N		
PROJECT No	FG6202	SURFACE RL	1.37m	PLUNGE	90°
				DATE STARTED	27/04/2015
				GRID DATUM	MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM	AHD	BEARING	°
				DATE COMPLETED	28/04/2015
				DRILLER	North Coast

DEPTH (m)	R.L. (m)	FAUGER CASING WASHBORING CONE DRILLING	ROD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS		
												EH	VH
11	-10.13			G	Silty CLAY (Alluvium) (Contd')	(CH)					5, 8, 11 N=19	SPT	
12				H	Silty CLAY (Residual) Grey brown mottled, wet, hard. Low to mainly medium plasticity.						10, 20/25mm hb	SPT	
13				I		(C)					7, 13, 20 N=33	SPT	
15	-13.63			J							11, 15, 25 hb	SPT	
17			100 (0)	(0)	SILTSTONE (Tod) XW: Recovered as grey brown, moist, hard Silty Clay. High plasticity.						UCS=0.39 MPa	(16.70m)	
18			100 (0)		Becoming Sandy Silty Clay.	XW							
19			100 (0)								UCS=0.46 MPa	(19.20m)	
15	-13.63												
16													
17													
18													
19													
18.63	-18.63												

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REMARKS: Tod - Darra formation.  
A standpipe is installed in this borehole.

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**GEOTECHNICAL  
BOREHOLE LOG**

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

BOREHOLE No **BH224**

Sheet 3 of 3

REFERENCE No **H12160**

PROJECT Ipswich Motorway Upgrade - Rocklea to Darra  
 LOCATION Oxley Creek Overflow Bridge COORDINATES 498729.7 E; 6951028.4 N  
 PROJECT No FG6202 SURFACE RL 1.37m PLUNGE 90° DATE STARTED 27/04/2015 GRID DATUM MGA94 Z56  
 JOB No 201/416/003 HEIGHT DATUM AHD BEARING ° DATE COMPLETED 28/04/2015 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		EC	
												VH	H	M	L
			100 (0)		SILTSTONE (Tod) XW: Cont'd	XXXXXX	XW								
21	-19.63		65	CORE LOSS	Borehole completed at 21.00m	XXXXXX									
22															
23															
24															
25															
26															
27															
28															
29															

REMARKS: Tod - Darra formation.  
A standpipe is installed in this borehole.

<b>LOGGED BY</b>	<b>REVIEWED BY</b>
MS	SF





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**STANDPIPE  
INSTALLATION LOG**

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

BOREHOLE No **BH224**

Sheet 2 of 3

PIEZOMETER No **BH224**

PROJECT	Ipswich Motorway Upgrade - Rocklea to Darra		
LOCATION	Oxley Creek Overflow Bridge	COORDINATES 498729.7 E; 6951028.4 N	
PROJECT No	FG6202	SURFACE RL 1.37m	PLUNGE 90°
			DATE STARTED 27/04/2015
			GRID DATUM MGA94 Z56
JOB No	201/416/003	HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 28/04/2015
			DRILLER North Coast

DEPTH (m)	R.L. (m)	LITHOLOGY	MATERIAL DESCRIPTION	Standpipe Construction Details		
				Depth (m) /RL (AHD)	50mm PVC Class No. 18 Stick Up = 0.50m	Backfill Details
11	-10.13	×	Silty CLAY (Alluvium) (Contd')			
12		×	Silty CLAY (Residual) Grey brown mottled, wet, hard. Low to mainly medium plasticity.			
13		×				
14		×				
15	-13.63	×	SILTSTONE (Tod) Recovered as grey brown, moist, hard Silty Clay. High plasticity.			Filter: Washed / Graded Sand
16		×				
17		×	Becoming Sandy Silty Clay.			
18		×				
19		×				
	-18.63	×				

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REMARKS: Tod - Darra formation. A standpipe is installed in this borehole.	LOGGED BY	REVIEWED BY
	MS	SF





Project Name	Ipswich Motorway Upgrade – Rocklea to Darra		
Project No.	FG6202	Date Completed	28/04/2015
Borehole No.	BH224	Reference Number	H12160
Location	36853.3 E; 151898.0 N	Start Depth (m)	15.0
Submitted By	DP	Finish Depth (m)	21.0
Remarks	-		

