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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **BH236**

Sheet 1 of 3

REFERENCE No **H12170**

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

LOCATION **Oxley Creek Overflow Bridge**

COORDINATES **498765.1 E; 6951037.9 N**

PROJECT No **FG6202**

SURFACE RL **2.36m**

PLUNGE **90°**

DATE STARTED **29/04/2015**

GRID DATUM **MGA94 Z56**

JOB No **201/416/003**

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **30/04/2015**

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
1	0.86				Silty CLAY (Fill) Grey brown mottled, moist, firm to stiff. Mainly medium to high plasticity. Becoming very stiff.	(CI)					
2					Silty CLAY (Alluvium) Dark grey, moist, very soft . High plasticity, some organic matter.					inferred GWT	
3				A		(CH)				hw, hw, hw N<1	SPT
4	-1.64			B	Sandy CLAY (Alluvium) Grey, moist, firm. to stiff Mainly medium to high plasticity, fine grained sand.	(CI)				1, 3, 3 N=6	SPT
6	-3.14			C	Clayey SAND (Alluvium) Grey, moist, medium dense. Fine grained sand.					12, 16, 13 N=29	SPT
7				D	Clay content reducing.	(SC)				8, 12, 16 N=28	SPT
9	-6.14			E	Becoming coarse grained sand. Sandy GRAVEL (Alluvium) Grey brown, moist, medium dense. Medium to coarse gravel, coarse grained sand.	(GP)				12, 8, 11 N=19	SPT
	-7.14				Silty CLAY (Residual) Description - Next page	(CI)					
	-7.64										

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REMARKS: **Tod - Darra formation.**

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BOREHOLE No **BH236**

Sheet 2 of 3

REFERENCE No **H12170**

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

LOCATION **Oxley Creek Overflow Bridge**

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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
11				F	Silty CLAY (Residual) (Contd') Grey brown mottled, moist, very stiff. Low to mainly medium plasticity.					3, 6, 10 N=16	SPT
12				G		(CI)				5, 9, 13 N=22	SPT
13				H						6, 10, 16 N=26	SPT
14											
15	-12.14			I	SILTSTONE (Tod) XW: Recovered as grey brown, moist, hard Silty Clay. High plasticity, fissured in parts.					8, 17/25mm hb	SPT
16				J						10, 16/80mm hb	SPT
17						XW					
18				K						30/110mm hb	SPT
19	-17.64		(0)	L		HW				18.90m-19.00m: Medium to high strength, HW corestone.	SPT
						XW				UCS=0.36 MPa (19.70m)	

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REMARKS: Tod - Darra formation.

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BOREHOLE No **BH236**

Sheet 3 of 3

REFERENCE No **H12170**

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

LOCATION **Oxley Creek Overflow Bridge**

COORDINATES **498765.1 E; 6951037.9 N**

PROJECT No **FG6202**

SURFACE RL **2.36m**

PLUNGE **90°**

DATE STARTED **29/04/2015**

GRID DATUM **MGA94 Z56**

JOB No **201/416/003**

HEIGHT DATUM **AHD**

BEARING **°**

DATE COMPLETED **30/04/2015**

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
21			100 (0)		SILTSTONE (Tod) XW: (Contd') Recovered as grey brown, moist, hard Silty Clay. High plasticity, fissured in parts.	X	X			20.35m-21.25m: Recovered as Sandy Clay. Fine grained sand.	
22			100 (0)			X	X				
23			100 (0)			X	X			23.25m-24.20m: Recovered as Sandy Clay. Fine grained sand.	
24			100 (0)			X	X				
25				CORE LOSS		X	X				
26	-23.84		6.6 (0) 100 (10)			X	X			25.70m-26.20m: Recovered as Sandy Clay. Fine grained sand.	
27			100 (70)		SILTSTONE (Tod) HW: Grey to dark grey, fine grained, thinly laminated, extremely low to low strength. LP; 0°-5° (2/m) Pl/Sm, TI, Cn Grading to HW Siltstone with depth. Grey to dark grey, fine grained, thinly laminated, extremely low strength. Defects: LP at 0-5° (2/m) : Pl, Sm, TI, Cn.	X	X				
28						X	X			Is(50)=0.14 MPa Is(50)=0.15 MPa	D (27.95m) A (27.99m)
29			100 (100)			X	X			Is(50)=0.09 MPa Is(50)=0.10 MPa	D (29.30m) A (29.34m)
	-27.64		100			X	X			Is(50)=0.12 MPa Is(50)=0.14 MPa	D (29.70m) A (29.74m)

Borehole completed at 30.00m

REMARKS: Tod - Darra formation.

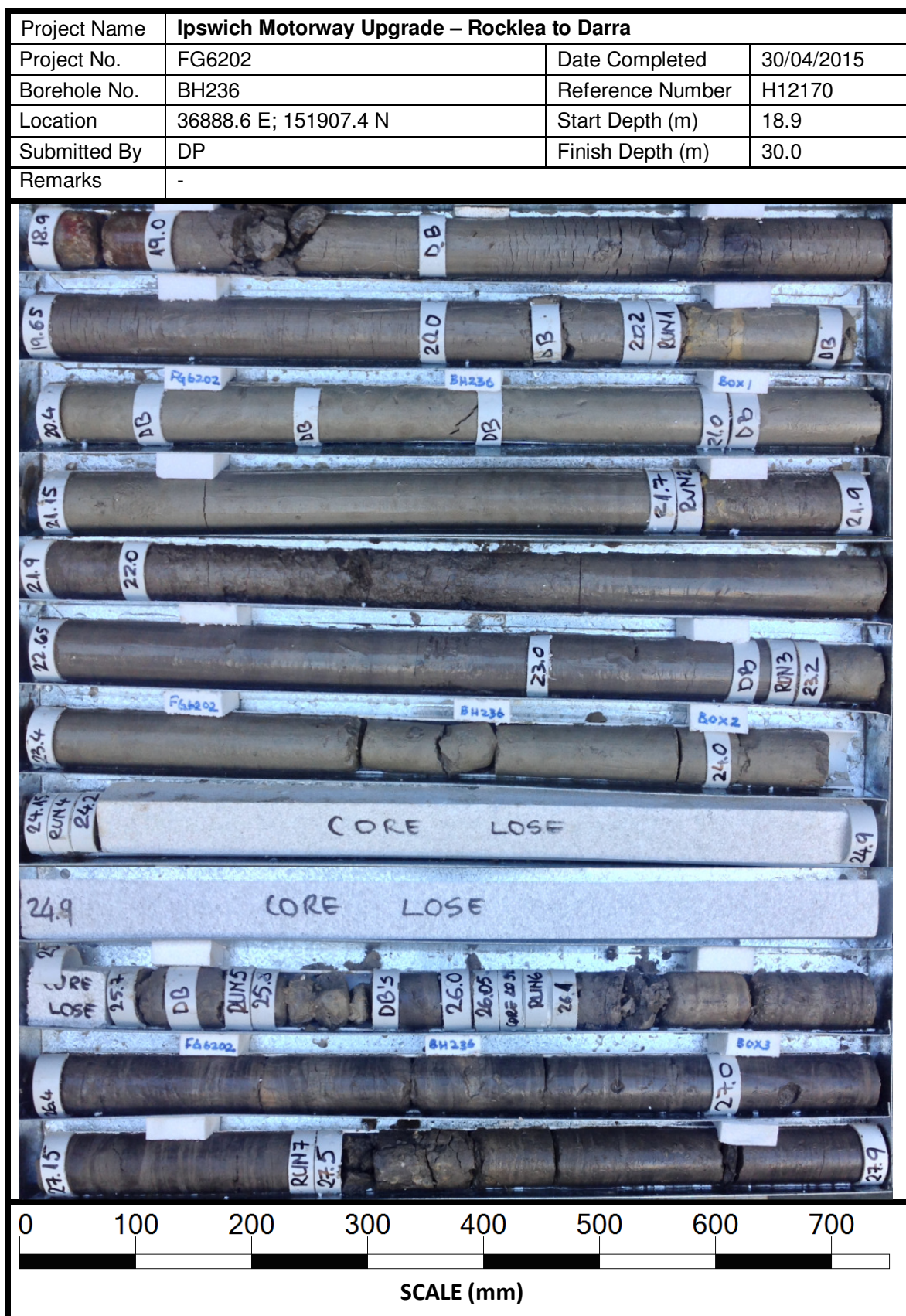
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CORE PHOTO LOG
F: GEOT043/3
DEPARTMENT OF TRANSPORT AND MAIN ROADS
Geotechnical Section



Project Name	Ipswich Motorway Upgrade – Rocklea to Darra		
Project No.	FG6202	Date Completed	30/04/2015
Borehole No.	BH236	Reference Number	H12170
Location	36888.6 E; 151907.4 N	Start Depth (m)	18.9
Submitted By	DP	Finish Depth (m)	30.0
Remarks	-		

