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**GEOTECHNICAL
BOREHOLE LOG**

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

BOREHOLE No **CRR907**

Sheet 1 of 3

REFERENCE No **H13107**

PROJECT Cross River Rail (CRR) Project - Additional Geotechnical Investigation
 LOCATION Clapham Yard COORDINATES 501291.2 E; 6954219.1 N
 PROJECT No FG6470 SURFACE RL 8.70m PLUNGE 90° DATE STARTED 27/06/2018 GRID DATUM MGA94
 JOB No _____ HEIGHT DATUM AHD BEARING ° DATE COMPLETED 29/06/2018 DRILLER Geodrill

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
8.40				A	Silty Sandy GRAVEL (Fill)	(GM)							
				B	Dark grey and brown, dry, loose to medium dense. Fine to coarse, sub-angular to sub-rounded. Fine to coarse grained sand. Trace rail ballast. Minor Silty CLAY lenses throughout.	(CH)							
				C									
				D									
1				E	Silty CLAY (Alluvium) Red-brown and grey, moist, stiff. High plasticity. from 1.0m: very stiff to hard	(CH)				4, 13, 20 N=33	SPT		
2	6.50			F	Sandy CLAY (Alluvium) Grey minor yellow-brown mottling, moist, very stiff to hard. Medium to high plasticity. Fine grained sand. Trace silt. Occasionally interbedded with Silt and Sand layers <400mm.	(C)				7, 12, 17 N=29	SPT		
3				G						10, 15, 19 N=34 LL=51% PI= 32%	SPT		
4				H						8, 15, 17 N=32	SPT		
5				I		(C)				7, 16, 23 N=39 LL=37% PI= 19%	SPT		
6				J						10, 16, 16 N=32	SPT		
7				K	Clayey GRAVEL (Alluvium) Grey and orange brown, moist, very dense. Medium, rounded to sub-rounded. Trace fine to coarse grained sand. Sandy GRAVEL (Alluvium)	(GC)				17, 30, 30/80mm	SPT		
9	-0.10					(GW)							
	-0.60												
	-1.30												

9.30m-9.80m: Grey and yellow-brown, wet, dense. Fine to coarse grained. Some fine to medium gravel. Trace clay.

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REMARKS: Rip - Aspley Formation

LOGGED BY	REVIEWED BY
MH	S.Foley



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**GEOTECHNICAL
BOREHOLE LOG**

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BOREHOLE No **CRR907**

Sheet 2 of 3

REFERENCE No **H13107**

PROJECT	Cross River Rail (CRR) Project - Additional Geotechnical Investigation		
LOCATION	Clapham Yard		COORDINATES 501291.2 E; 6954219.1 N
PROJECT No	FG6470	SURFACE RL 8.70m	PLUNGE 90°
			DATE STARTED 27/06/2018
			GRID DATUM MGA94
JOB No		HEIGHT DATUM AHD	BEARING °
			DATE COMPLETED 29/06/2018
			DRILLER Geodrill

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 L VL EL	EC VC C M W VW EW				
11				L	Sandy GRAVEL (Alluvium) Cont'd. Orange-brown and grey, moist, very dense. Fine to medium, sub-rounded to sub-angular. Medium to coarse grained sand. Trace clay. Trace silt.							4, 27, 30/130mm	SPT
12				M	from 12.0m: Minor interbedded sand layers	(GW)						15, 30/75mm	SPT
14	-5.30			N	Clayey SAND (Alluvium) Orange-brown, moist, very dense. Fine to medium grained. Trace Silt. Minor interbred Sandy CLAY layers.	(SC)						30/110mm	SPT
16	-7.10 -7.35			O	SANDSTONE (Rip) XW: Recovered as grey, medium to coarse grained sand. Fine to medium sub-angular gravel. Some clay. SW: Grey, alternating fine grained and medium to coarse grained beds, thinly to medium bedded, medium strength. -BP: 5°-10° (3-4/m), Pl/Sm, TI to CD, Cn, trace FeSt, trace Cly Ct. From 17.15: interbedded Conglomerate layers throughout From 17.30: interlaminated minor coal layers throughout.	XW HW XW HW MW SW HW SW					30/50mm	SPT	
17			(93)									16.53m-16.57m: XW Cly 16.81m-16.83m: XW Cly	D (16.26m) A (16.28m)
18			100 (93)									18.32m-18.45m: HW BZ	D (17.13m) A (17.14m)
19													(18.12m) D (18.27m) A (18.28m)
	-11.30												D (19.25m) A (19.28m)
													D (19.95m) A (19.96m)

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REMARKS: Rip - Aspley Formation

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Project Name	Cross River Rail CRR 2018 – Geotechnical Investigation		
Project No.	FG6470	Date	28.06.18
Borehole No.	CRR907	Reference No.	H13107
Location	Clapham Yard	Start Depth (m)	16.05
Submitted By	J. Armstrong	Finish Depth (m)	23.43

