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GEOTECHNICAL BOREHOLE LOG

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

BOREHOLE No **M5 I1**

Sheet 1 of 4

REFERENCE No **H12577**

PROJECT **McCoskers/QAL Instrumentation Installation**

LOCATION **RMD #1 M Section Chainage 3140.04**

COORDINATES **328630.9 E; 7354667.2 N**

PROJECT No **FG6371**

SURFACE RL **18.54m**

PLUNGE **90°**

DATE STARTED **22/06/2016**

GRID DATUM **MG94 Zone 56**

JOB No

HEIGHT DATUM **AHD**

BEARING °

DATE COMPLETED **22/06/2016**

DRILLER **Hinterland Drilling**

DEPTH (m)	R.L. (m)	AUGER Casing Wash Boring Core Drilling	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
1					Embankment Fill Red brown, moist, firm to very stiff, silty clayey GRAVEL. Coarse grained gravel with cobbles throughout. (based on driller's log)		GM				
2				A							30/110 SPT
3	15.54			B	RED MUD (Tailings) Recovered as: Clayey sandy SILT Red brown, moist, soft to firm. Medium grained sand.						2, 3, 3 N=6 SPT
4				C							1, 1, 2 N=3 SPT
5				D							
6				E							Su(PP)=107 kPa MC=39.8% DD= 1.34 t/m3 WD= 1.88 t/m3 U50
7											
8											
9	10.04			F	Clayey SAND with gravel (Fill) Grey brown, moist, loose. Gravel layers throughout.		(SC)				4, 3, 5 N=8 SPT

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REMARKS: Inclinator installed to base of hole.

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BOREHOLE No **M5 I1**

Sheet 2 of 4

REFERENCE No **H12577**

PROJECT **McCoskers/QAL Instrumentation Installation**

LOCATION **RMD #1 M Section Chainage 3140.04**

COORDINATES **328630.9 E; 7354667.2 N**

PROJECT No **FG6371**

SURFACE RL **18.54m**

PLUNGE **90°**

DATE STARTED **22/06/2016**

GRID DATUM **MGA94 Zone 56**

JOB No

HEIGHT DATUM **AHD**

BEARING °

DATE COMPLETED **22/06/2016**

DRILLER **Hinterland Drilling**

DEPTH (m)	R.L. (m)	AUGER Casing Wash Boring Core Drilling	RQD (%) CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH	DEFECT SPACING	ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS
7.84				G	Silty SAND with gravel (Fill) Dark grey, moist to wet, very loose. Medium grained gravel and trace organic matter.		(SM)				2, 6, 3 N=9 SPT
6.54				H	RED MUD (Tailings) Recovered as: Silty CLAY Red, moist to wet, very soft.						hw N=0 SPT
				J						Su(PP)=38 kPa MC=59.6% DD= 1 t/m ³ WD= 1.58 t/m ³	U50
				K						rw N=0	SPT
				L						Su(PP)=25 kPa MC=69.2% DD= 0.96 t/m ³ WD= 1.62 t/m ³	U50
				M						rw N=0	SPT
				N						Su(PP)=15 kPa MC=60% DD= 1.02 t/m ³ WD= 1.62 t/m ³	U50

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BOREHOLE No **M5 I1**

Sheet 3 of 4

REFERENCE No **H12577**

PROJECT **McCoskers/QAL Instrumentation Installation**

LOCATION **RMD #1 M Section Chainage 3140.04**

COORDINATES **328630.9 E; 7354667.2 N**

PROJECT No **FG6371**

SURFACE RL **18.54m**

PLUNGE **90°**

DATE STARTED **22/06/2016**

GRID DATUM **MGA94 Zone 56**

JOB No

HEIGHT DATUM **AHD**

BEARING °

DATE COMPLETED **22/06/2016**

DRILLER **Hinterland Drilling**

DEPTH (m)	R.L. (m)	AUGER Casing Wash Boring Core Drilling Core Rec %	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 _		
21	-2.76			P	Clayey silty GRAVEL (Fill) Grey black, moist, loose. Medium grained gravel and shell fragments. Sandy CLAY with gravel (Alluvial?) Pale grey, moist, very stiff. Medium grained quartz gravel. Sample from bit only.		(GM)																hw, 3, 6 N=9	SPT	
22	-3.66			Q																				6, 9, 10 N=19	SPT
23																									
24				R			CL																11, 30/100	SPT	
25	-6.46			S	Silty CLAY with sand (Residual) Pale grey mottled yellow, moist, very stiff. High plasticity. Fine grained sand.		(CH)																6, 9, 10 N=19	SPT	
26																									
27				T																				6, 7, 10 N=17	SPT
28																									
29																									

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GEOTECHNICAL BOREHOLE LOG

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BOREHOLE No. **M5 I1**

Sheet 4 of 4

REFERENCE No **H12577**

PROJECT	McCoskers/QAL Instrumentation Installation
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LOCATION RMD #1 M Section Chainage 3140.04

COORDINATES 328630.9 E; 7354667.2 N

PROJECT No FG6371

SURFACE RL 18.54m

PLUNGE 90°

DATE STARTED 22/06/2016

GRID DATUM MGA94 Zone 56

JOB No.

HEIGHT DATUM AHD

BEARING °

DATE COMPLETED 22/06/2016

DRILLER Hinterland Drilling

DEPTH (m)	R.L. (m)	AUGER CASING WASH BORING CORE DRILLING	RQD () % CORE REC %	SAMPLE	MATERIAL DESCRIPTION	LITHOLOGY	USCS WEATHERING	INTACT STRENGTH						DEFECT SPACING						ADDITIONAL DATA AND TEST RESULTS	SAMPLES TESTS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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-11.47				U	CHERT? XW: Recovered as yellow brown, moist, stiff sandy silty clay.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

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