



CO1 ISSUED FOR TENDER JAN 16 2015
revisions
project BIG JOHNNY'S TURN CULVERT REPLACEMENT CABOT TRAIL, CAPE BRETON HIGHLANDS NATIONAL PARK
drawing design

CULVERT 2 FOUNDATION PLAN, DETAIL AND BOREHOLE LOGS

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LVM MARITIME TESTING		BOREHOLE LOG			
PROJECT Geotechnical Investigation - Proposed Culvert Replacement, CBHNP, NS		JOB NO. 18103		HOLE NO. BH 1	
LOGGED/DWN. BAM	CKD. TKM	DATE OF INVEST 11/13/13	SOL DESCRIPTION	SOL SAMPLE	DRILL TYPE
CASING RESISTANCE blows/300mm	DEPTH	DATUM Topographic Survey Plan provided by SNC Lavalin	Topographic Survey Plan provided by SNC Lavalin	TYPE	DRILL Rig
WC % wp □ w ● wf △	ft m	SURFACE ELEVATION 160.50 meters	Asphalt Pavement (250 mm)	SS N=16	TCR - Total Core Recovery RQD - Rock Quality Designation
10 20 30 40 50			FILL : sandy gravel, trace silt, compact, moist, brown.	SS N=26	
	2			SS N=37	
	4			SS N=17	
	6		FILL : silty sand, some gravel, occasional cobble, compact, moist, brown to rusty brown.	SS N=91	
	8			RC	TCR = 90% RQD = 0%
	10		TILL : gravelly sand, trace to some silt, some cobbles, compact to dense, moist to wet, brown and pink.	RC	TCR = 88% RQD = 33%
	12		BEDROCK : Granite, highly to moderately fractured, pink to black/white.	RC	TCR = 92% RQD = 55%
	14				
	16				
	18				
	20				
	22				
	24				
	26		End of Borehole at 7.6 metres in Granite Bedrock.		
	28		Groundwater seepage encountered in Borehole during drilling at 3.3 metres below existing ground surface.		
	30				
	32				
	34				
	36				
	38				
	40				
	42				
	44				
	46				
	48				
	50				
					PLATE 1

LVM MARITIME TESTING		BOREHOLE LOG			
PROJECT Geotechnical Investigation - Proposed Culvert Replacement, CBHNP, NS		JOB NO. 18103		HOLE NO. BH 2	
LOGGED/DWN. BAM	CKD. TKM	DATE OF INVEST 11/14/13	SOL DESCRIPTION	SOL SAMPLE	DRILL TYPE
CASING RESISTANCE blows/300mm	DEPTH	DATUM Topographic Survey Plan provided by SNC Lavalin	Topographic Survey Plan provided by SNC Lavalin	TYPE	DRILL Rig
WC % wp □ w ● wf △	ft m	SURFACE ELEVATION 160.00 meters	FILL : sandy gravel, trace silt, compact, moist, brown.	SS N=15	TCR - Total Core Recovery RQD - Rock Quality Designation
10 20 30 40 50				SS N=16	
	2			SS N=26	
	4		FILL : silty sand, some gravel, occasional cobble, compact, moist, brown to rusty brown.	SS N=26	
	6			SS N=22	
	8			SS N=43	
	10		TILL : gravelly sand, trace to some silt, some cobbles, compact to dense, moist to wet, brown and pink.	SS N=23	
	12			SS 50/50	
	14		BEDROCK : Granite, highly to moderately fractured, pink.	RC	TCR = 100% RQD = 0%
	16				
	18				
	20				
	22				
	24				
	26		End of Borehole at 7.6 metres in Granite Bedrock.		
	28		No groundwater encountered in Borehole during drilling.		
	30				
	32				
	34				
	36				
	38				
	40				
	42				
	44				
	46				
	48				
	50				
					PLATE 2

