

PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-02

SHEET 1 OF 9
DATUM: Geodetic

CLIENT: Yukon Government Community Services
PROJECT: Yukon Landfill Assessment
LOCATION: Johnson's Crossing Solid Waste Disposal Facility
N: 6707580.94 E: 594166.9

DRILLING DATE: May 30, 2012
DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT Wp ----- W WI	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION
		DESCRIPTION	STRATA PLOT ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5			
0		Ground Surface (ML) sandy SILT, light brown, moist.	766.30 0.00									Stickup = 0.84m
1												
2		(ML) SILT, trace clay, light brown, some cohesion, moist.	764.78 1.52									
3												
4												
5												
6												
7												
8												
9												
10		(ML) SILT, some clay, brown, cohesive, wet.	757.16 9.14									

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DEPTH SCALE
1 : 50



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Bentonite Seal

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-02

SHEET 2 OF 9
DATUM: Geodetic

CLIENT: Yukon Government Community Services
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		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5	10				15	20
10		(ML) SILT, some clay, brown, cohesive, wet. (continued)														
11																
12																
13																
14																
15	M6 Drillech Truck Mounted Auger Drill Rig Air Rotary	(ML) SILT, some very fine sand, trace fine gravel fragments, trace clay, brown to light brown.		751.67 14.63												Bentonite Seal
16																
17																
18																
19																
20																

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DEPTH SCALE

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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-02

SHEET 3 OF 9
DATUM: Geodetic

CLIENT: Yukon Government Community Services
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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION					
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %				5	10	15	20	Wp
20		(ML) SILT, some very fine sand, trace fine gravel fragments, trace clay, brown to light brown. (continued)															
21																	
22																	
23																	
24																	
25	M5 Driltech Truck Mounted Auger Drill Rig Air Rotary																Bentonite Seal
26																	
27																	
28																	
29																	
30																	

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DEPTH SCALE
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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-02

SHEET 4 OF 9
DATUM: Geodetic

CLIENT: Yukon Government Community Services
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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	⊕		□				
										5	10	15	20	Wp ○ W WI		
				50	100	150	200			10	20	30	40			
30	M5 Driltech Truck Mounted Auger Drill Rig Air Rotary	(ML) SILT, some very fine sand, trace fine gravel fragments, trace clay, brown to light brown. (continued)														
31																
32																
33																
34																
35																
36																
37																
38																
39																
40																

Bentonite Seal

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DEPTH SCALE

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RECORD OF BOREHOLE: JC-MW12-02

SHEET 5 OF 9
DATUM: Geodetic

CLIENT: Yukon Government Community Services
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DRILLING CONTRACTOR: Midnight Sun Drilling

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT Wp — W — Wi	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION	
		DESCRIPTION	STRATA, PLOT ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5				10
40	MP Driltech Truck Mounted Auger Drill Rig Air Rotary	(ML) SILT, some very fine sand, trace fine gravel fragments, trace clay, brown to light brown. (continued)											
41													
42													
43													
44			(ML) SILT, trace fine gravel, some sand, brown, moist.	722.11 44.20									
45			(SM) SILTY SAND, some fine gravel, brown, moist.	721.80 44.50									Bentonite Seal
46			(SM) silty gravelly SAND, dark brown, moist.	720.58 45.72									
47			(GM) sandy GRAVEL, some silt, brown, moist.	720.26 46.02									
48													
49			(ML) sandy SILT, some gravel, brown, moist.	717.53 48.77									
50			716.31										

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DEPTH SCALE
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PROJECT No.: 11-1436-0073 (2100)

RECORD OF BOREHOLE: JC-MW12-02

SHEET 6 OF 9
DATUM: Geodetic

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DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES				PID ppm		WATER CONTENT PERCENT	ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION							
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %				5	10	15	20	Wp	W	WI
50	MS Drillech Truck Mounted Auger Drill Rig Air Rotary	(GM) silty GRAVEL, some sand, brown, moist. (continued)		49.99															
51		(ML) SILT, some gravel, brown, moist, trace sand.		714.79 51.51															
54		(GM) sandy GRAVEL, trace silt, brown, moist.		712.66 53.64															
56		(GM) GRAVEL, trace to some silt, trace sand, brown, moist.		710.83 55.47															
55																		Bentonite Seal	
57																			
58																			
59																			
60																			

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DEPTH SCALE

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DRILLING DATE: May 30, 2012
 DRILLING CONTRACTOR: Midnight Sun Drilling

SHEET 7 OF 9
 DATUM: Geodetic

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE			SAMPLES				PID ppm				ADDITIONAL LAB. TESTING	PIEZOMETER, STANDPIPE OR THERMISTOR INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	5	10	15			20	WATER CONTENT PERCENT Wp ----- W ----- WI
60	MS Driftech Truck Mounted Auger Drill Rig Air Rotary	(GM-SM) SAND and GRAVEL, some silt, brown, moist.		706.38												
61																
62																
63																
64																
65																Bentonite Seal
66																
67		(GM) GRAVEL, some sand, some silt, moist, brown.		699.86 66.45												
68																
69		- from 68.58m - 76.20m depth: slightly drier.														
70																

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DEPTH SCALE

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SHEET 8 OF 9
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		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %				5	10	15	20	Wp	W
70	M5 Drillech Truck Mounted Auger Drill Rig Air Rotary	(GM) GRAVEL, some sand, some silt, moist, brown. (continued)																
71																		
72																		
73																		
74																		
75																		
76		(SM-GM) SILTY SAND and GRAVEL, brown, moist.		690.10 78.20														
77																		
78		(SP) SAND, fine, trace gravel, olive-grey, moist.		688.27 78.03														
79																		
80																		

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Bentonite Seal

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DEPTH SCALE

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PROJECT No.: 11-1436-0073 (2100)

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SHEET 9 OF 9
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		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	CORE No.	CORE RECOVERY %	WATER CONTENT PERCENT					
										Wp				WI	
80	M5 Drilltech Truck Mounted Auger Drill Rig Air Rotary			686.14 80.16										Bentonite Seal	
		(GM) sandy GRAVEL, some silt, brown, wet.													
81				685.53 80.77											10/20 Silica Sand
		(SM) SAND, some gravel, trace silt, dark olive grey, wet.													
82														51mm Slotted PVC Pipe	
83			683.09 83.21												
	(SM-GM) SAND and GRAVEL, trace silt, dark olive-grey, wet.														
84														51mm Slotted PVC Pipe	
85															
86				680.35 85.95										51mm Slotted PVC Pipe	
	End of Borehole.														
87															
88															
89														51mm Slotted PVC Pipe	
90															

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DEPTH SCALE

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