





PROJECT No.: [REDACTED]

# RECORD OF BOREHOLE: ML-BH12-01 (ML-MW12-01)

SHEET 3 OF 5  
 DATUM: Geodetic

CLIENT: Yukon Government Community Services  
 PROJECT: Yukon Landfill Assessment  
 LOCATION: Marsh Lake Wastewater Treatment Lagoon  
 N: 6698892.24 E: 545154.85

DRILLING DATE: May 7, 2012  
 DRILLING CONTRACTOR: Midnight Sun Drilling

| DEPTH SCALE METRES | BORING METHOD   | SOIL PROFILE  |             | SAMPLES         |        |      |            | PID ppm  |                 | WATER CONTENT PERCENT<br>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 | 15 | 20 |  |  |  |  |  |  |
| 20                 | M5 Driftech Truck Mounted Auger Drill Rig<br>Air Rotary | (SM) silty fine SAND, dark brown, moist. (continued)                  |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 21                 |   |   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 22                 |   |   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 23                 |   |   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 24                 |   |   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 25                 |   | - from 24.38m - 27.43m depth: trace subrounded fine to medium gravel. |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 26                 |   |   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 27                 |   |   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 28                 |   | (GW) sandy, fine to medium GRAVEL, grading to gravelly SAND.          |             | 721.39          |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 29                 |   |   |             | 27.43           |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
| 30                 |   |   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |
|                    |   | CONTINUED NEXT PAGE   |             |                 |        |      |            |          |                 |                                      |                         |  |   |    |    |    |  |  |  |  |  |  |

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DEPTH SCALE  
 1 : 50



LOGGED: [REDACTED]  
 CHECKED: **DRAFT**

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|--------------------|---|--|-------------|-----------------|------|------------|----------|-----------------|---|--------------------------------------|-------------------------|--|----|----|----|--|--|--|--|--|--|-----------------------|
|                    |   | DESCRIPTION  | STRATA PLOT | NUMBER          | TYPE | BLOWS/0.3m | CORE No. | CORE RECOVERY % | 5 |                                      |                         |  | 10 | 15 | 20 |  |  |  |  |  |  |                       |
| 30                 | M5 Driftech Truck Mounted Auger Drill Rig<br>Air Rotary | (GW) sandy, fine to medium GRAVEL, grading to gravelly SAND. (continued) |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
|                    |   | (SW) gravelly SAND, fine to medium gravel.                               |             | 718.34<br>30.48 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 31                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 32                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 33                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 34                 |   | (SM) silty SAND, some gravel, brown, damp.                               |             | 715.29<br>33.53 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  | Bentonite Seal        |
| 35                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 36                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 37                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 38                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  |                       |
| 39                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  | Bentonite Chip Seal   |
|                    |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  | 10/20 Silica Sand     |
| 40                 |   |  |             |                 |      |            |          |                 |   |                                      |                         |  |    |    |    |  |  |  |  |  |  | 51mm Slotted PVC Pipe |
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DEPTH SCALE  
1 : 50



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CHECKED: **DRAFT**

