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Sent: Friday, July 25, 2003 3:15 PM
Attach: Drawing Title Page.pdf; 102-SITE PLAN.pdf; 103-GRADING AND INTRUMENTATION PLAN.pdf; 104-TYPICAL SECTIONS.pdf; 105-MISCELLANEOUS DETAILS.pdf; 101-OVERALL SITE PLAN.pdf; Resolution Island Specifications.pdf
Subject: FW: Resolution Island PDF Documents

Jim Wahl and Dionne Filiatrault,

As requested by Glen Stephens, attached for information are the TIER II Landfill Drawings prepared by UMA and EBA in June, 2003. These drawings should address your questions regarding the cross section for the landfill and the locations of monitoring wells and thermistors.

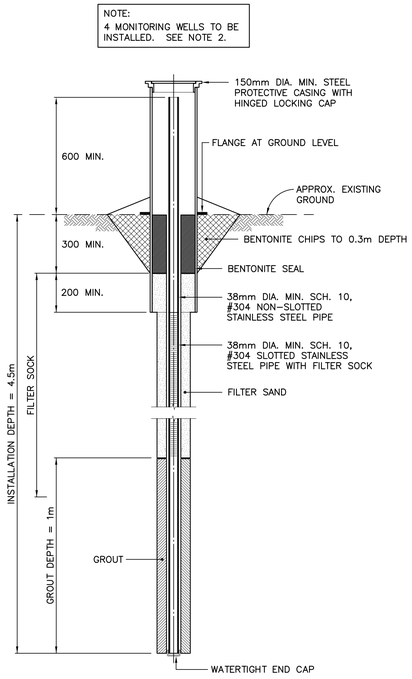
In answer to your question regarding TIER I soil, TIER I soil will be placed above the TIER II soil but contained within the liner as shown on Drawing 104.TIER I soil will not be used in the berm construction.

Please contact me if any further clarifications may be required.

A.S. Washuta, P.Eng.

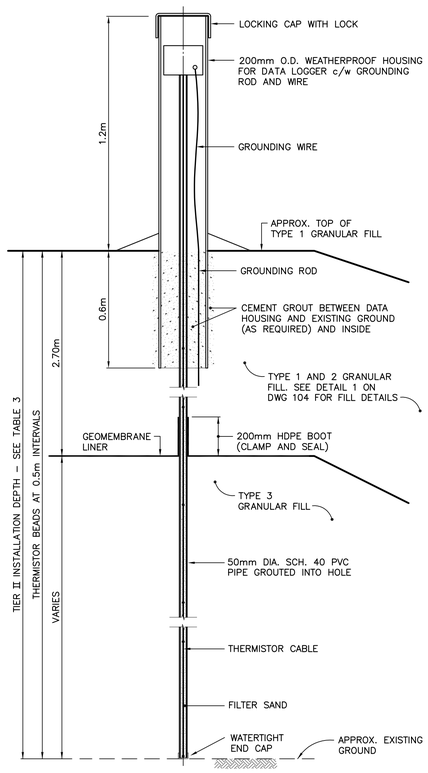
UMA Engineering Ltd.

780-486-7000



TYPICAL MONITORING WELL

N.T.S.



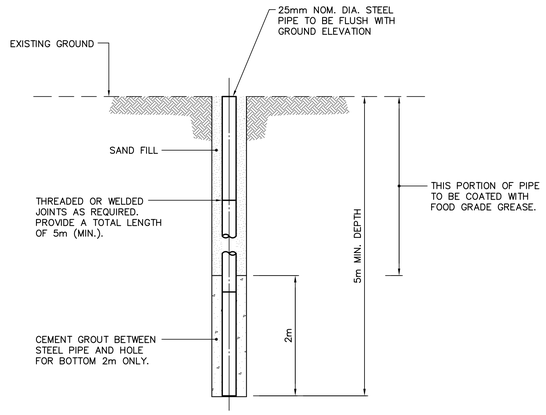
TYPICAL THERMISTOR INSTALLATION – TIER II

N.T.S.

TABLE 3		
VERTICAL THERMISTOR INSTALLATION		
REF. NO.	APPROXIMATE BEAD DEPTH BELOW FINAL GRADE (m)	COMMENTS
VT–1	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0	CABLE WITH 8m LEAD
VT–2	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0	CABLE WITH 18m LEAD
VT–3	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0	CABLE WITH 18m LEAD
VT–4	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0	CABLE WITH 8m LEAD
VT–5	0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0	TWO CABLES: ONE WITH 8m LEAD AND ONE WITH 18m LEAD. SECOND CABLE TO BE USED TO PROVIDE BEADS BELOW 4m IN DEPTH

NOTES:

1. ASSUMES THAT OWNERS CABLES ARE AVAILABLE
   –5 CABLES WITH 8m LEADS AND 8 POINTS AT 0.5m SPACING
   –5 CABLES WITH 18m LEADS AND 8 POINTS AT 0.5m SPACING
2. CONFIRM AS–BUILT DEPTH TO LINER FROM FINAL GRADE PRIOR TO INSTALLATION AND ENSURE CABLES DO NOT PENETRATE LINER.

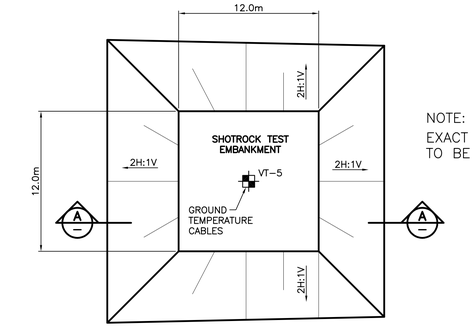


MINIMUM EMBEDMENT CAN BE REDUCED IF ROCK IS ENCOUNTERED. INSTALLATION TO PENETRATE A MINIMUM OF 2m INTO ROCK.

NOTE:
2 PERMANENT SURVEY CONTROL MONUMENTS TO BE INSTALLED.

TYPICAL PERMANENT SURVEY CONTROL MONUMENT (BENCHMARK)

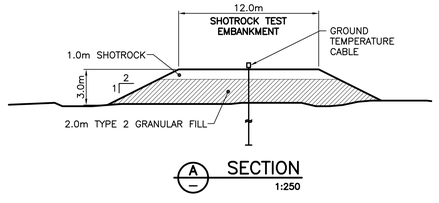
N.T.S.



NOTE:
EXACT LOCATION OF TEST EMBANKMENT TO BE FIELD CONFIRMED.

TEST EMBANKMENT PLAN

1:250



SECTION

1:250

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ART S. WASHUTA
JUNE 5, 2003

Indian and Northern Affairs Canada / Affaires indiennes et du Nord Canada

CLEAN UP OF ABANDONED POLE VAULT MILITARY SITE

General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. APPROXIMATE LOCATIONS OF ALL INSTRUMENTATION INSTRUMENTS ARE SHOWN ON DRAWING 103. ALL LOCATIONS TO BE FIELD CONFIRMED BY THE ENGINEER.
3. MOUND FILL AROUND CASING TO PROMOTE DRAINAGE AWAY FROM INSTRUMENT.

Legend:

VT–X — VERTICAL THERMISTOR INSTALLATION (#)

No.	DATE	REVISION	REVISION	APPR.
0	06/05/03	ISSUED FOR CONSTRUCTION		TMS

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uma — eba

SCALE – ECHELLE

PROJECT – PROJET

BAF–5 RESOLUTION ISLAND

TRADE – METIER: SITING

DATE: 2003–03–21

SUBJECT – SUJET

TIER II LANDFILL MISCELLANEOUS DETAILS

PRODUCTION		CONCURRENCE – ASSENTIMENT	
DESIGNED ETUDIE	TMS		DES OFF AGENT CONCEPT
DRAWN DESSINE	JMJ		SECT HD CHEF SECT
CHECKED VERIFIE	WTH		DES MGR GEST CONCEPT
COORDINATION	ASW	REVIEWED – REVU	KJ

DWG. NO. – DESSIN NO.

105

Canada