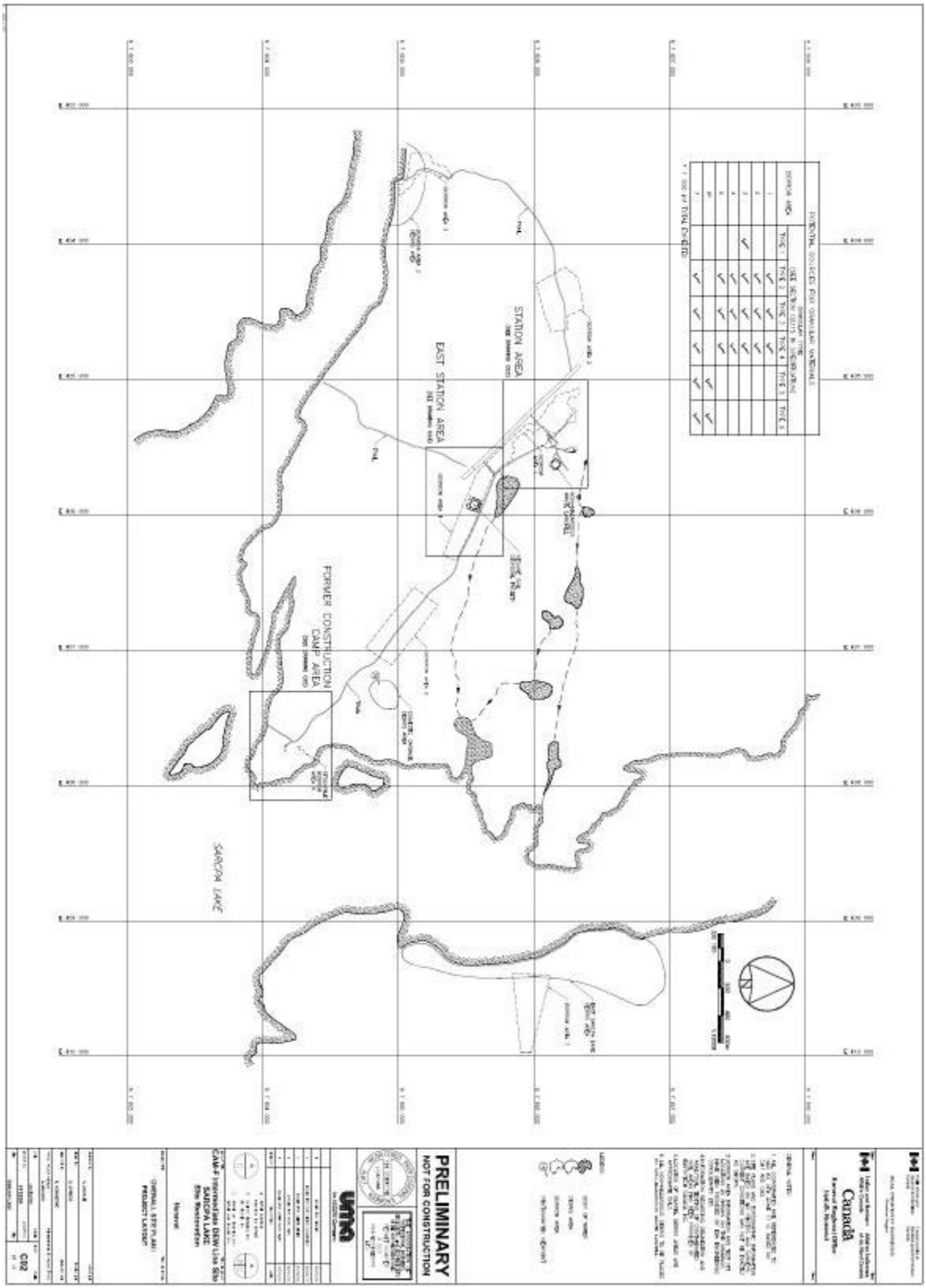
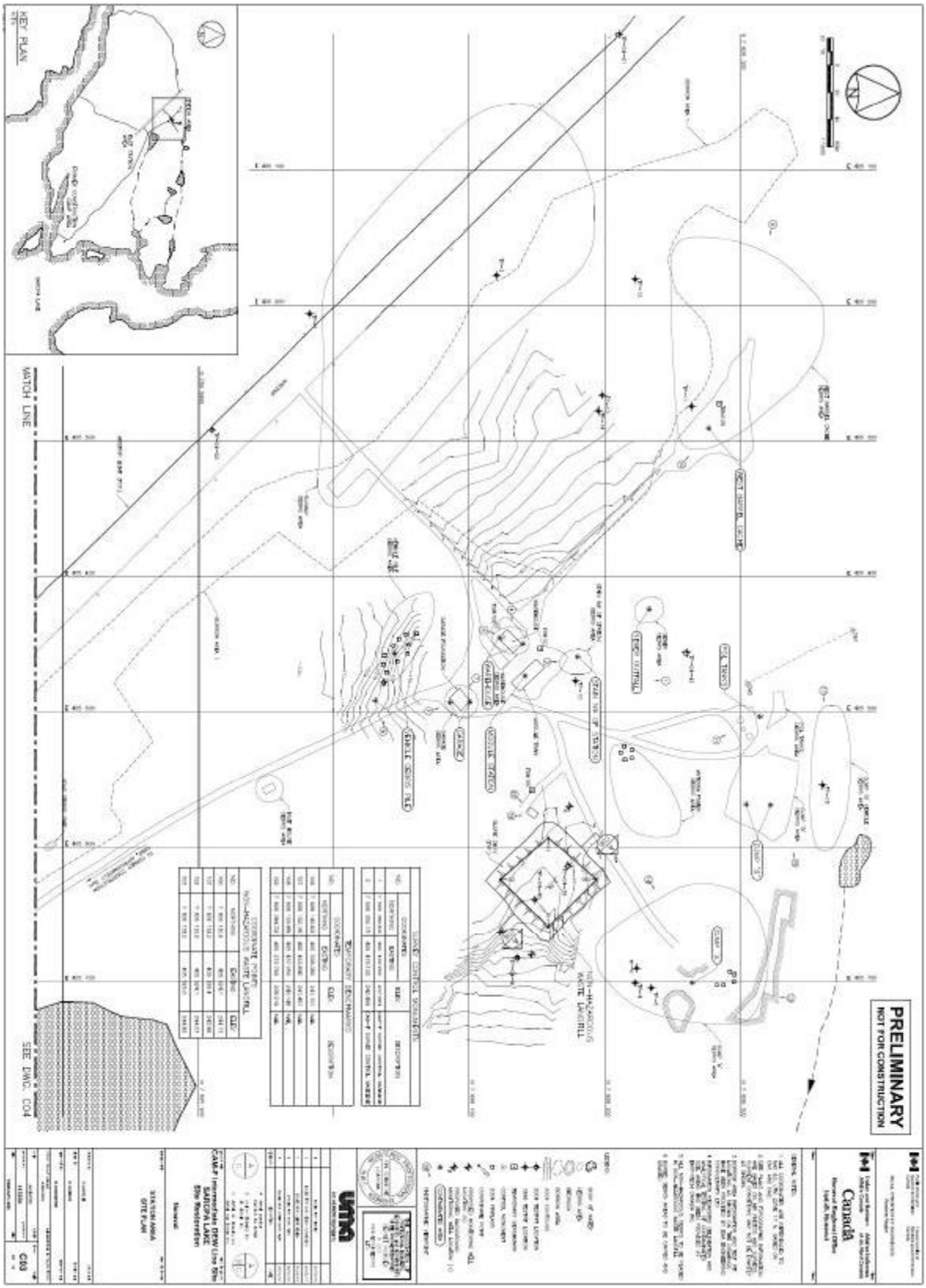
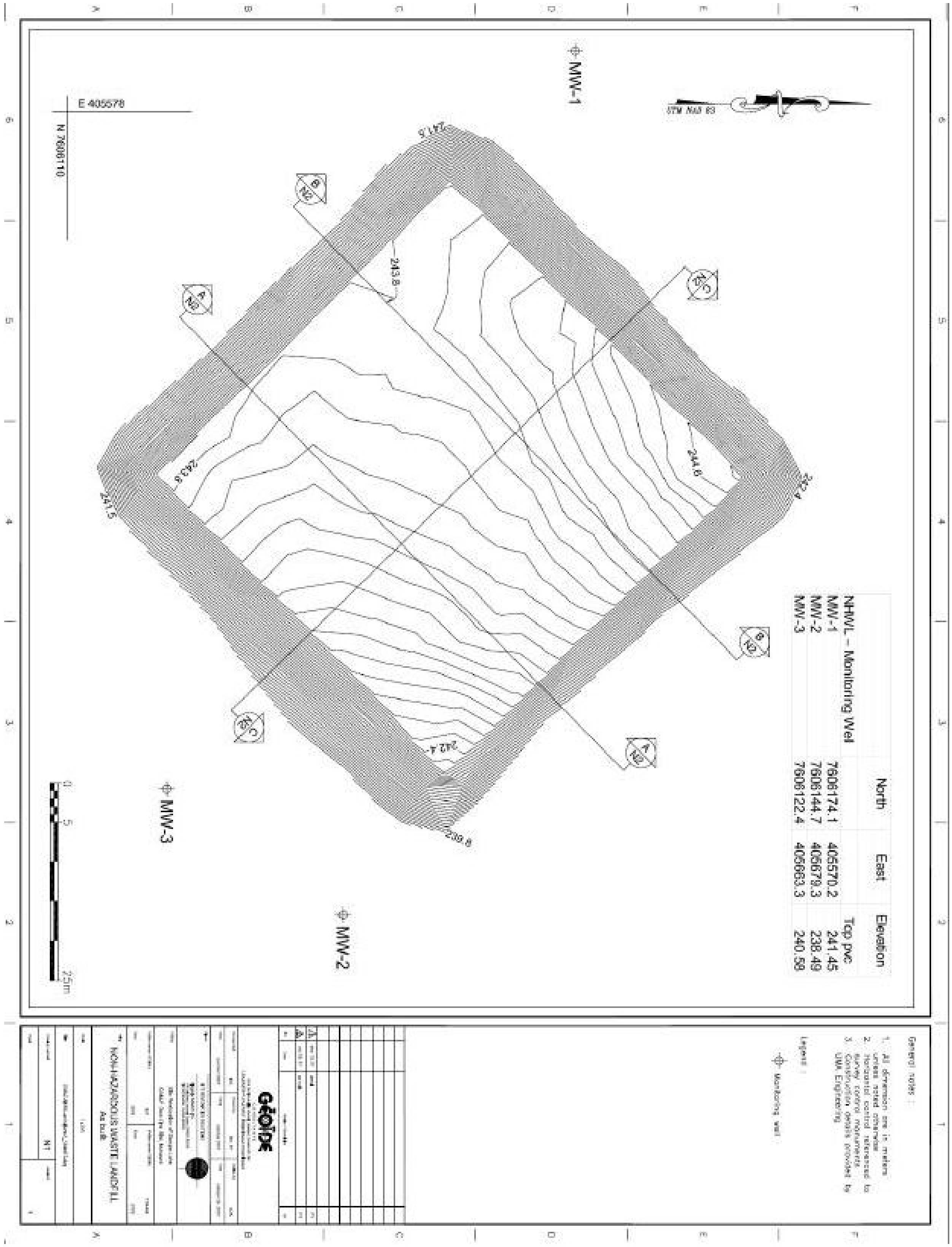
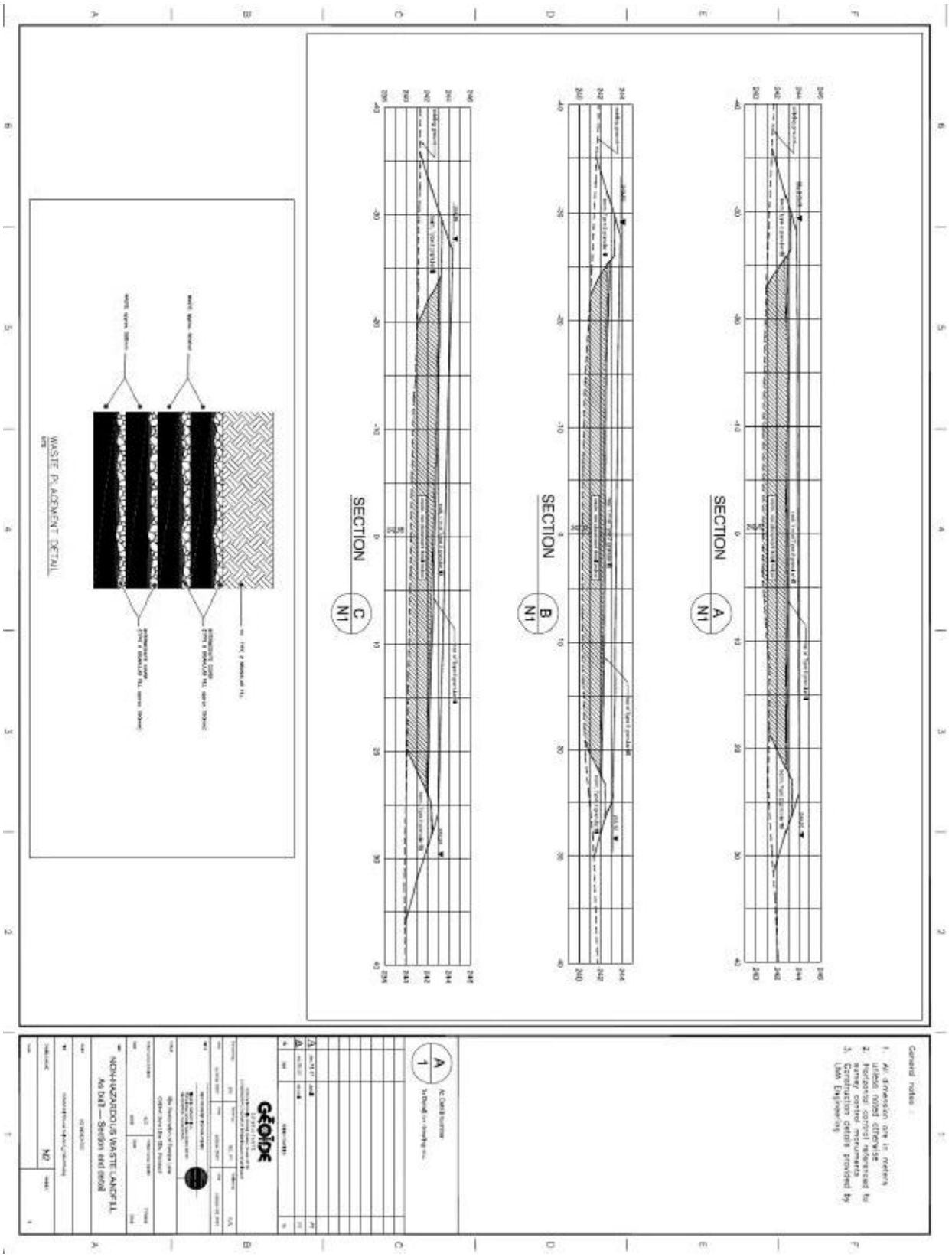

STATION AREA
EAST STATION AREA
FORMER CONSTRUCTION CAMP AREA
SARCPA LAKE
PRELIMINARY
NOT FOR CONSTRUCTION

Appendix B: Non-Hazardous Waste Landfill Location Map


KEY PLAN
WATCH LINE
SEE DWG. C04
PRELIMINARY
NOT FOR CONSTRUCTION
Canada

Appendix C: Non-Hazardous Waste Landfill As-Built Drawings


MW-1
MW-2
MW-3
E 405578
N 7606110
NHWL – Monitoring Well
North
East
Elevation
Top pvc
MW-1 7606174.1 405570.2 241.45
MW-2 7606144.7 405679.3 238.49
MW-3 7606122.4 405663.3 240.58
NON-HAZARDOUS WASTE LANDFILL
As built


SECTION
A
N1
SECTION
B
N1
SECTION
C
N1
WASTE PLACEMENT DETAIL
NON-HAZARDOUS WASTE LANDFILL
As built — Section and detail
GÉOLIDE

Appendix D: Visual Monitoring Checklist

CAM-F SARCPA LAKE
VISUAL MONITORING CHECKLIST

Date:	
Landfill:	

Visually assess the landfill for the following items & provide a photograph record

1. Erosion	Answer
a) Is erosion occurring on the surface or berms of the landfill?	
i) Are there preferred drainage channels?	
ii) Is there sloughing of material?	
b) What is the extent of the erosion? *(percentage of surface area)*	
i) Is it localized or continuous?	
c) Where is the erosion occurring? *(i.e. along the toe, on the surface, through the berms)*	
d) Explanation: *(i.e. evidence of significant surface water run-off, poor material)*	

2. Settlement	Answer
a) Is there differential settlement occurring on the surface?	
i) Are there low areas or depressions?	
ii) Are voids forming?	
b) What is the extent of the settlement? *(percentage of surface area)*	
i) Is it localized or continuous?	
ii) How deep is it?	
c) Where is the settlement occurring? *(i.e. near berms, near the centre of the facility)*	
d) Explanation: *(i.e. evidence of significant surface infiltration, water ponding, snow drifting)*	

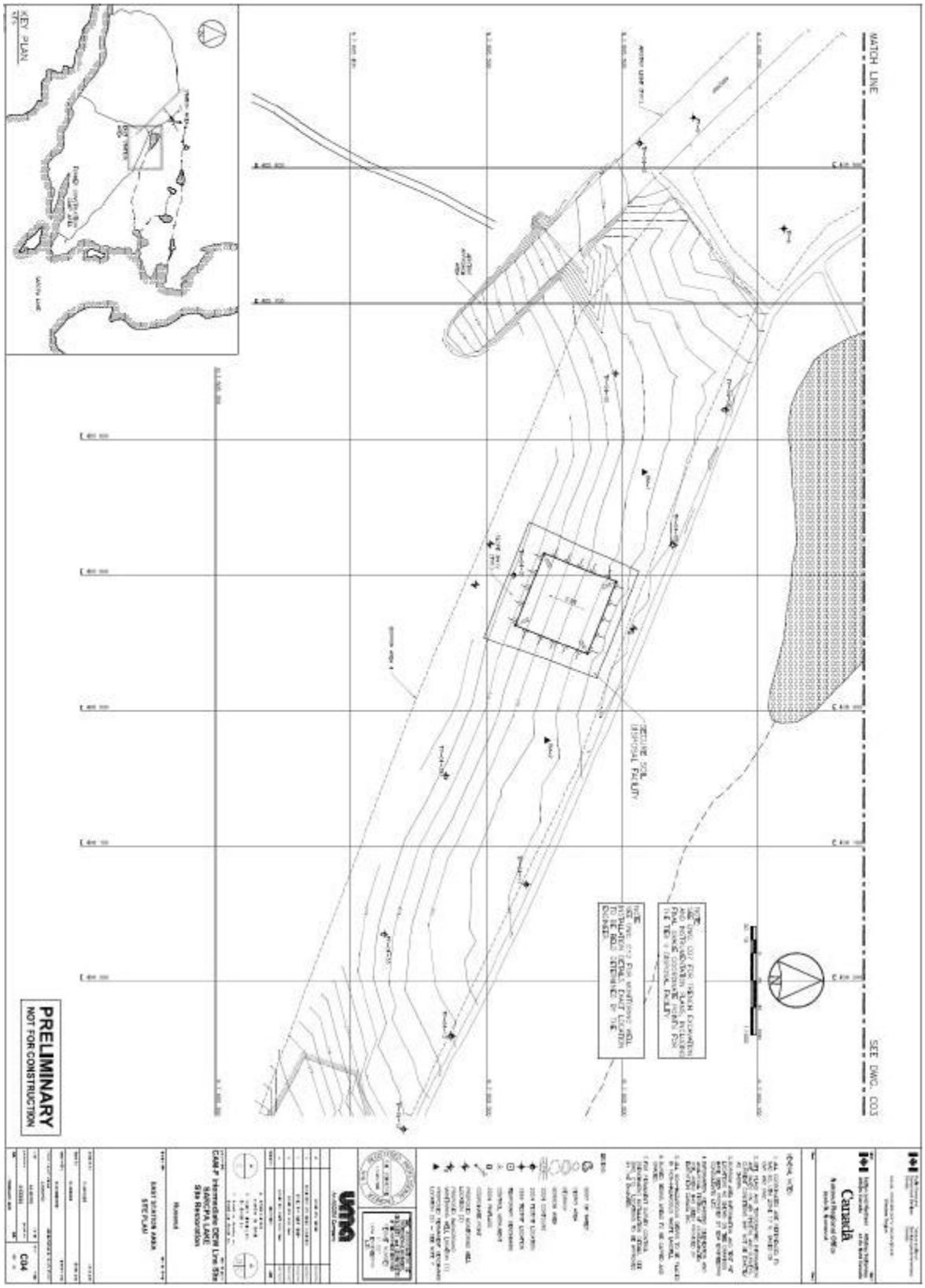
3. Frost Action	Answer
a) Is there frost action/damage to the landfill?	
i) Is there exposed debris due to uplift?	
ii) Is there tension cracking along the berms?	
iii) Is there sorting of granular fill?	
b) What is the extent of the frost action? *(percentage of surface area)*	
i) Is it localized or continuous?	
c) Where is the heaving/cracking occurring? *(i.e. along the toe, on the surface, through the berms)*	
d) Explanation: *(i.e. poor material, poor compaction, high water/silt content in cover material)*	

4. Monitoring Instruments
a) What is the condition of the monitoring wells and thermistor strings *(if applicable)*?

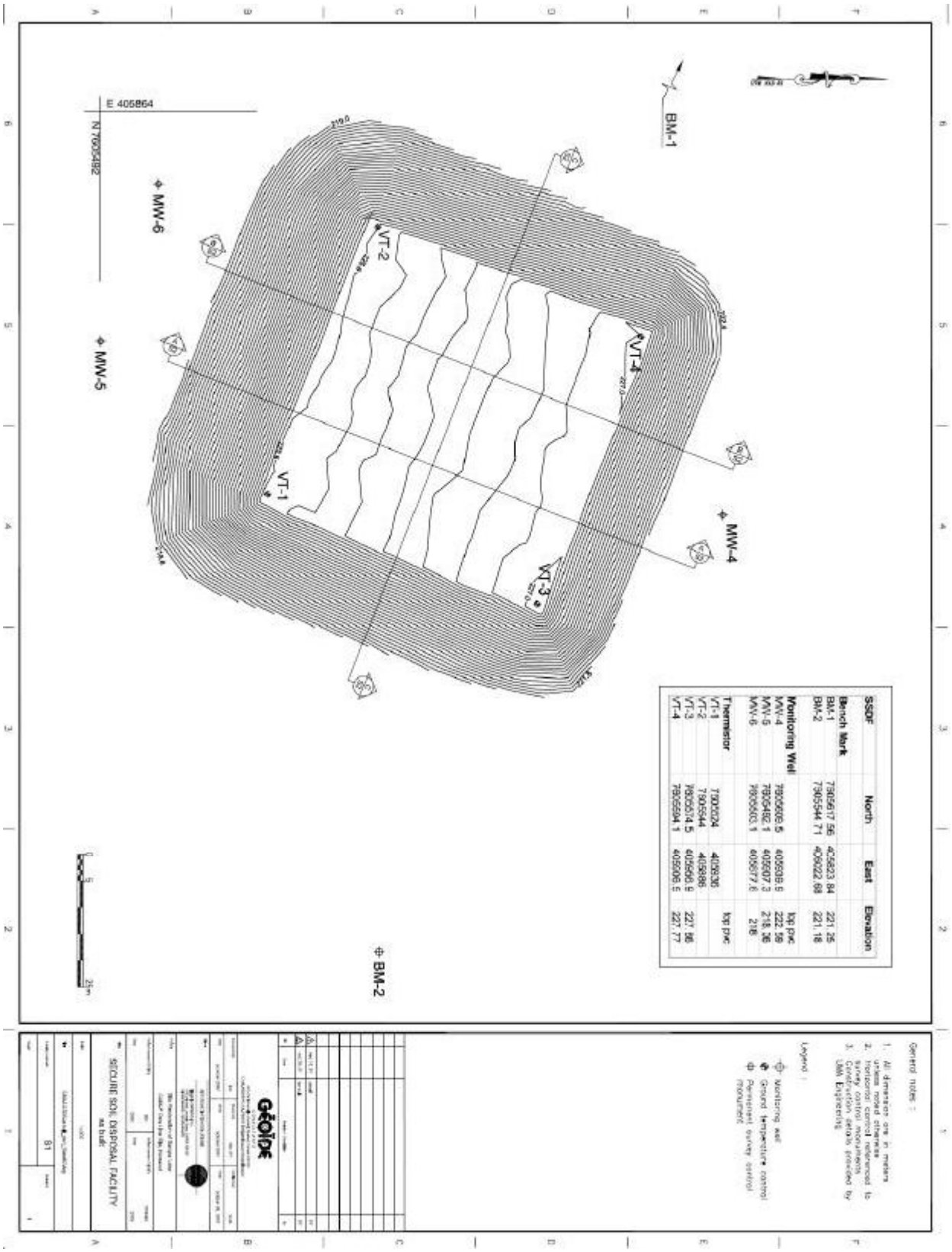
5. Sketch

6. General Comments

Appendix E: Secure Soil Disposal Facility Location Map


KEY PLAN
MATCH LINE
SEE DWG. C03
PRELIMINARY
NOT FOR CONSTRUCTION
Canada

Appendix F: Secure Soil Disposal Facility As-Built Drawing

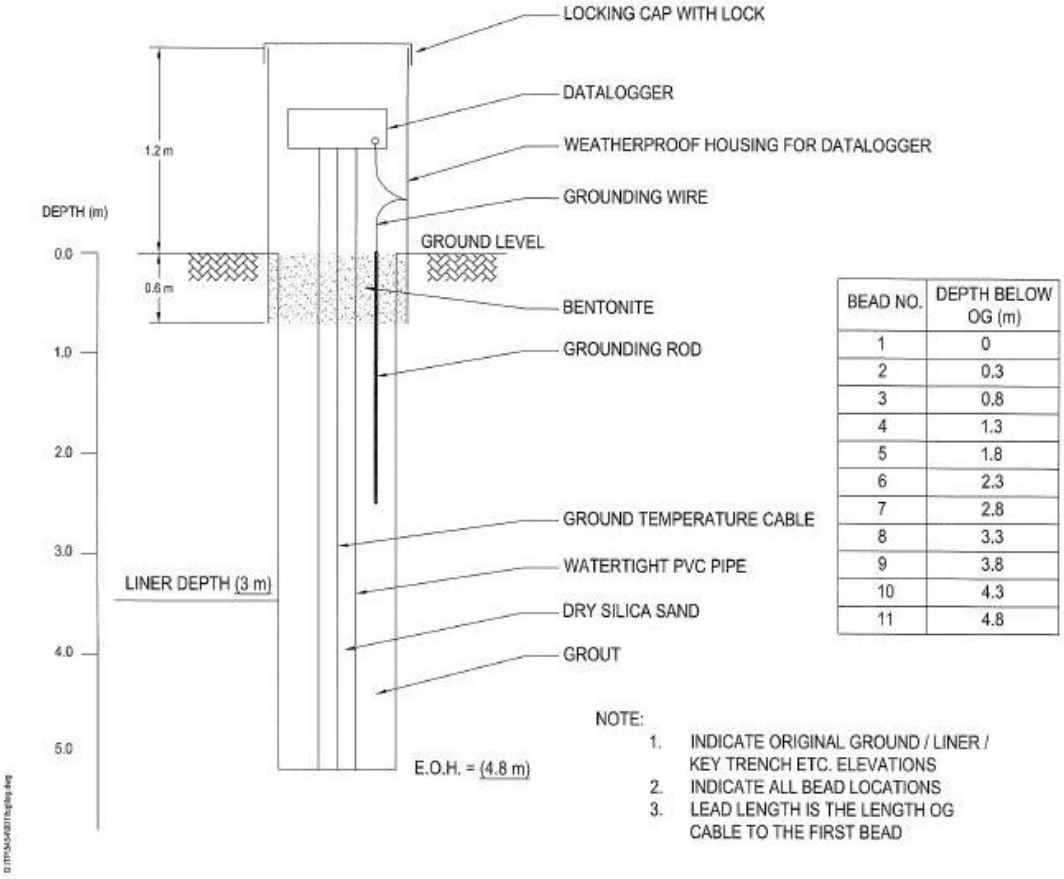

BM-1
BM-2
MW-4
MW-5
MW-6
VT-1
VT-2
VT-3
VT-4
E 405864
N 7905492
SSDF
Bench Mark
BM-1 7905617.56 405823.84 221.25
BM-2 7905544.71 405922.69 221.18
Monitoring Well
MW-4 7905606.5 405939.9 222.56
MW-5 7905492.1 405907.3 218.26
MW-6 7905503.1 405877.6 218
Thermistor
VT-1 7905624 405936
VT-2 7905544 405886
VT-3 7905514.5 405866.9 227.66
VT-4 7905594.1 405906.5 227.77
General notes :
1. All dimensions are in metres unless otherwise stated.
2. Horizontal control referenced to survey control monuments
3. Construction details provided by LMA Engineering
Legend :
Monitoring well
Ground temperature control
Permanent survey control monument
GÉOFIXE
SECURE SOIL DISPOSAL FACILITY
as built
81

Appendix G: Thermistor (Ground Temperature Cable) Installation Reports

Biogénie

CAM-F DEW LINE CLEAN UP PROJECT
GROUND TEMPERATURE CABLE INSTALLATION REPORT

SITE: SSDF SE & SW CORNERS	CABLE INSTALLATION NO.: 3
LOCATION NORTHING: -	CABLE SERIAL NO.: CAMF VTO1
GROUND ELEVATION: -	EASTING: -
CABLE LENGTH: 7.8 m	DATE: SEPT. 2007
CABLE LENGTH ABOVE GROUND: 3.0 m	LEAD LENGTH: 3.0 m
NUMBER OF BEADS: 11	FIRST BEAD ELEVATION: 0 m BOG
	HOLE DEPTH: 4.8 m
	VT01 STICKUP: 76 cm



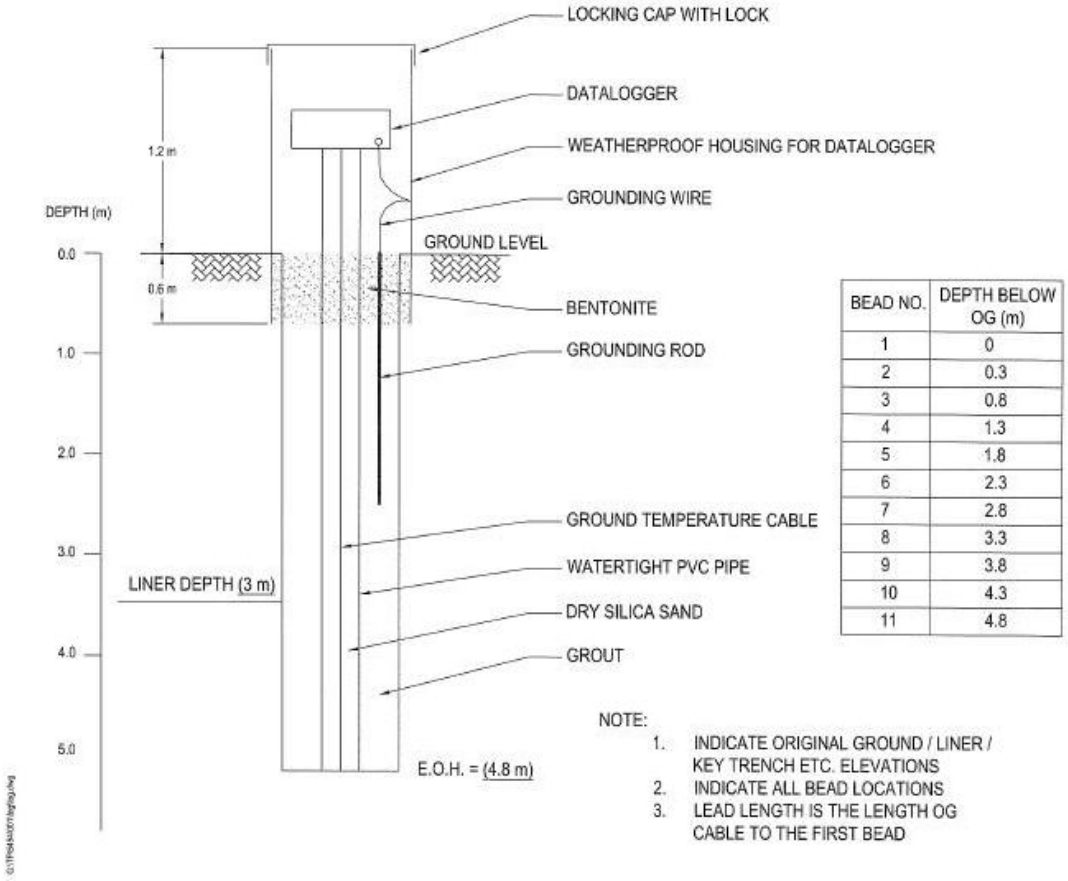
BEAD NO.	DEPTH BELOW OG (m)
1	0
2	0.3
3	0.8
4	1.3
5	1.8
6	2.3
7	2.8
8	3.3
9	3.8
10	4.3
11	4.8

NOTE:
1. INDICATE ORIGINAL GROUND / LINER / KEY TRENCH ETC. ELEVATIONS
2. INDICATE ALL BEAD LOCATIONS
3. LEAD LENGTH IS THE LENGTH OG CABLE TO THE FIRST BEAD

Biogénie

CAM-F DEW LINE CLEAN UP PROJECT
GROUND TEMPERATURE CABLE INSTALLATION REPORT

SITE: SSDF SE & SW CORNERS	CABLE INSTALLATION NO.: 4
LOCATION NORTHING: -	CABLE SERIAL NO.: CAMF VTO2
GROUND ELEVATION: -	EASTING: -
CABLE LENGTH: 7.8 m	DATE: SEPT. 2007
CABLE LENGTH ABOVE GROUND: 3.0 m	LEAD LENGTH: 3.0 m
NUMBER OF BEADS: 11	FIRST BEAD ELEVATION: 0 m BOG
	HOLE DEPTH: 4.8 m
	VT02 STICKUP: 90 cm



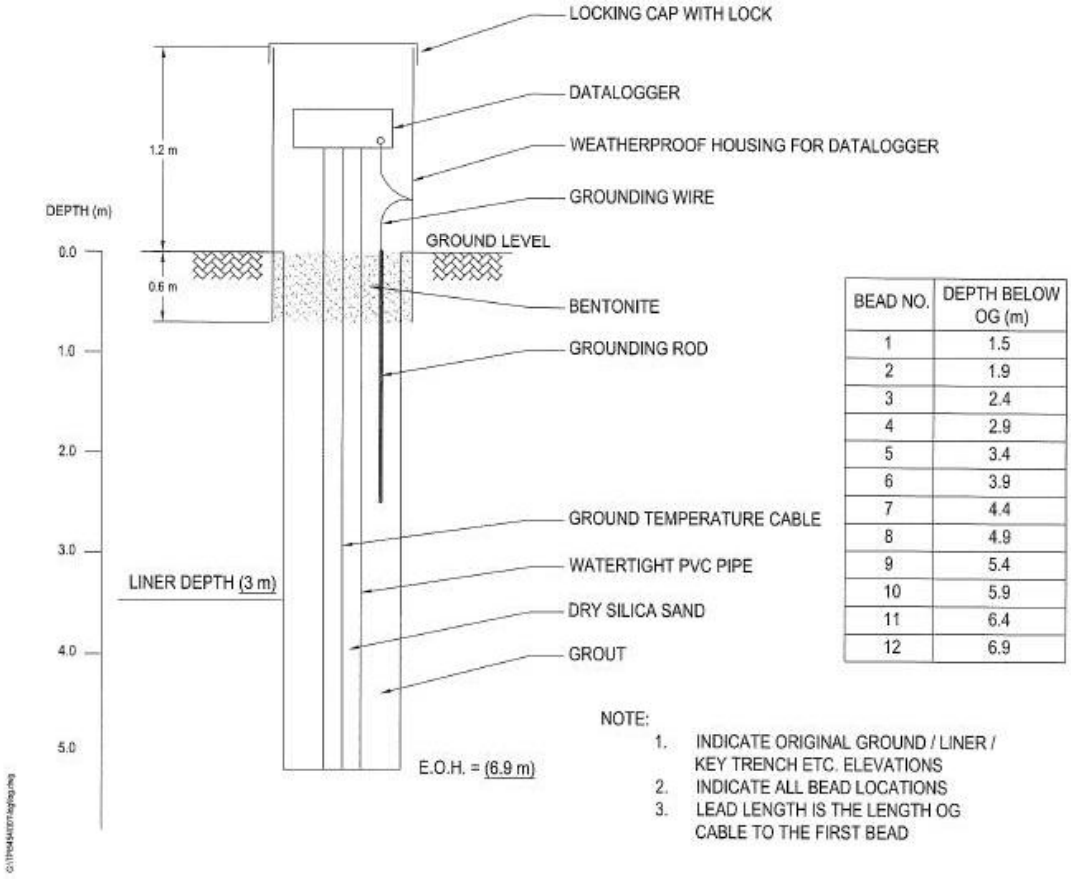
BEAD NO.	DEPTH BELOW OG (m)
1	0
2	0.3
3	0.8
4	1.3
5	1.8
6	2.3
7	2.8
8	3.3
9	3.8
10	4.3
11	4.8

NOTE:
1. INDICATE ORIGINAL GROUND / LINER / KEY TRENCH ETC. ELEVATIONS
2. INDICATE ALL BEAD LOCATIONS
3. LEAD LENGTH IS THE LENGTH OG CABLE TO THE FIRST BEAD

Biogénie

CAM-F DEW LINE CLEAN UP PROJECT
GROUND TEMPERATURE CABLE INSTALLATION REPORT

SITE: SSDF NE & NW CORNERS	CABLE INSTALLATION NO.: 1
LOCATION NORTHING: -	CABLE SERIAL NO.: CAMF VTO3
GROUND ELEVATION: -	EASTING: -
CABLE LENGTH: 8.4 m	DATE: SEPT. 2007
CABLE LENGTH ABOVE GROUND: 1.5 m	LEAD LENGTH: 3.0 m
NUMBER OF BEADS: 12	FIRST BEAD ELEVATION: 1.5 m
	HOLE DEPTH: 6.9 m
	VT03 STICKUP: 76 cm



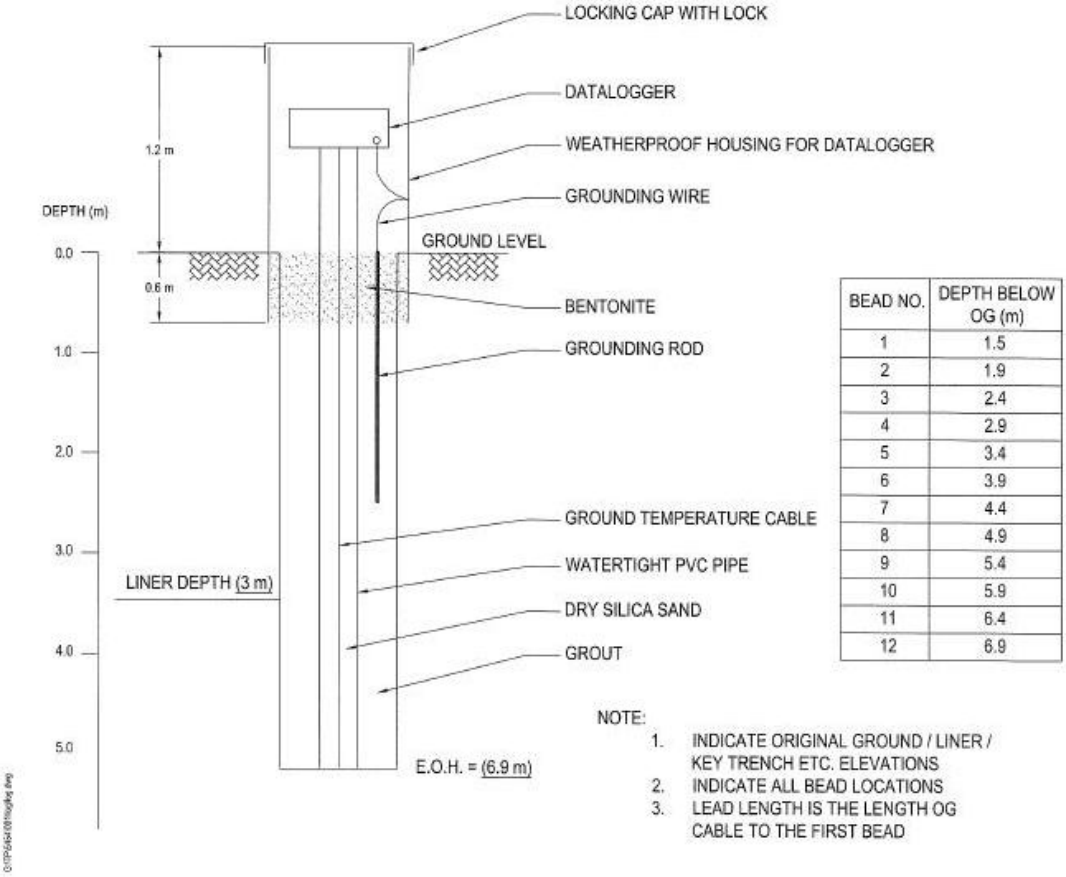
BEAD NO.	DEPTH BELOW OG (m)
1	1.5
2	1.9
3	2.4
4	2.9
5	3.4
6	3.9
7	4.4
8	4.9
9	5.4
10	5.9
11	6.4
12	6.9

NOTE:
1. INDICATE ORIGINAL GROUND / LINER / KEY TRENCH ETC. ELEVATIONS
2. INDICATE ALL BEAD LOCATIONS
3. LEAD LENGTH IS THE LENGTH OG CABLE TO THE FIRST BEAD

Biogénie

CAM-F DEW LINE CLEAN UP PROJECT
GROUND TEMPERATURE CABLE INSTALLATION REPORT

SITE: SSDF NE & NW CORNERS	CABLE INSTALLATION NO.: 2
LOCATION NORTHING: -	CABLE SERIAL NO.: CAMF VTO4
GROUND ELEVATION: -	EASTING: -
CABLE LENGTH: 8.4 m	DATE: SEPT. 2007
CABLE LENGTH ABOVE GROUND: 1.5 m	LEAD LENGTH: 3.0 m
NUMBER OF BEADS: 12	FIRST BEAD ELEVATION: 1.5 m BOG
	HOLE DEPTH: 6.9 m
	VT04 STICKUP: 73 cm



BEAD NO.	DEPTH BELOW OG (m)
1	1.5
2	1.9
3	2.4
4	2.9
5	3.4
6	3.9
7	4.4
8	4.9
9	5.4
10	5.9
11	6.4
12	6.9

NOTE:
1. INDICATE ORIGINAL GROUND / LINER / KEY TRENCH ETC. ELEVATIONS
2. INDICATE ALL BEAD LOCATIONS
3. LEAD LENGTH IS THE LENGTH OG CABLE TO THE FIRST BEAD