

**PRELIMINARY
NOT FOR CONSTRUCTION**

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE NOTED.
 2. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS) UTM ZONE 16N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
 3. ALL SURFACE DEBRIS IS TO BE REMOVED FROM ALL CONTAMINATED SOIL AREAS AND LANDFILL AND TREATMENT CELL AREAS PRIOR TO ANY FILL PLACEMENT OR EXCAVATION TAKING PLACE.
 4. HEIGHT OF PERIMETER BERM MAY VARY DEPENDING ON SURROUNDING TOPOGRAPHY.
 5. VARIABLE SLOPE ON LANDFILL SURFACE PERMITTED, MINIMUM 2% MAXIMUM 5%.
 6. FOR GROUND TEMPERATURE CABLE AND MONITOR WELL LOCATIONS AND INSTALLATION DETAILS, SEE DRAWING NO. C10. EXACT LOCATIONS TO BE FIELD CONFIRMED BY DEPARTMENTAL REPRESENTATIVE.
 7. KEY TRENCH FOR SATURATED BERMS TO EXTEND TO PERMAFROST (ESTIMATED DEPTH OF 0.5m BELOW GRADE) EXCAVATION DEPTH TO BE FIELD CONFIRMED BY THE DEPARTMENTAL REPRESENTATIVE BASED ON PRESENCE OF SATURATED GROUND OR ICE SATURATED PERMAFROST.
 8. INTERMEDIATE FILL ONLY REQUIRED FOR LANDFILLING OF ORGANIC OR WET SOILS, AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE. USE LIGHT WEIGHT WIDE TRACKED EQUIPMENT FOR SPREADING AS NECESSARY.
 9. PROTECT GEOMEMBRANE LINERS DURING CONSTRUCTION.
 10. CONSTRUCTION OF TIER II LANDFILL TO BE IN ACCORDANCE WITH REQUIREMENTS OF SECTION 31 22 15 - GRADING, DESCRIPTIONS OF GRANULAR MATERIAL TYPES SHOWN ON THIS DRAWING ARE DETAILED IN SECTION 31 05 17 - AGGREGATE MATERIALS.
 11. LINER INSTALLATION AND MATERIALS TO BE IN ACCORDANCE WITH SECTION 31 02 10.1 - GEOTEXTILES AND SECTION 31 02 10.2 - GEOMEMBRANES.
 12. 0.3m INTERMEDIATE TYPE 1 GRANULAR FILL ONLY REQUIRED IN WET OR ORGANIC SOILS FOR SURFACE STABILIZATION AS NEEDED FOR CONSTRUCTION.

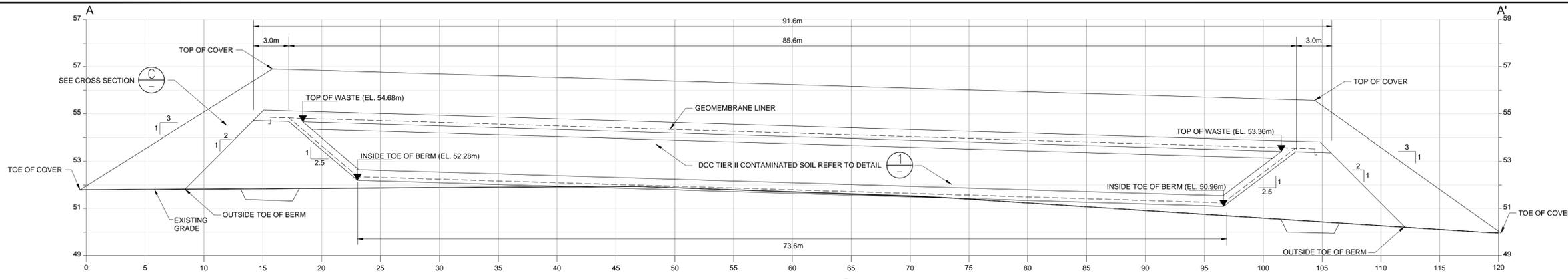
- LEGEND:**
- 15 - COORDINATE POINT
 - VT - VERTICAL GROUND TEMPERATURE CABLE INSTALLATION, SEE DWG C10
 - - - - - EXISTING GROUND CONTOURS
 - [Pattern] TYPE 1 GRANULAR FILL
 - [Pattern] TYPE 2 AND/OR TYPE 3 GRANULAR FILL
 - [Pattern] RIP RAP
 - [Pattern] HYDROCARBON IMPACTED SOIL
 - [Pattern] SAND

PROFESSIONAL STAMP

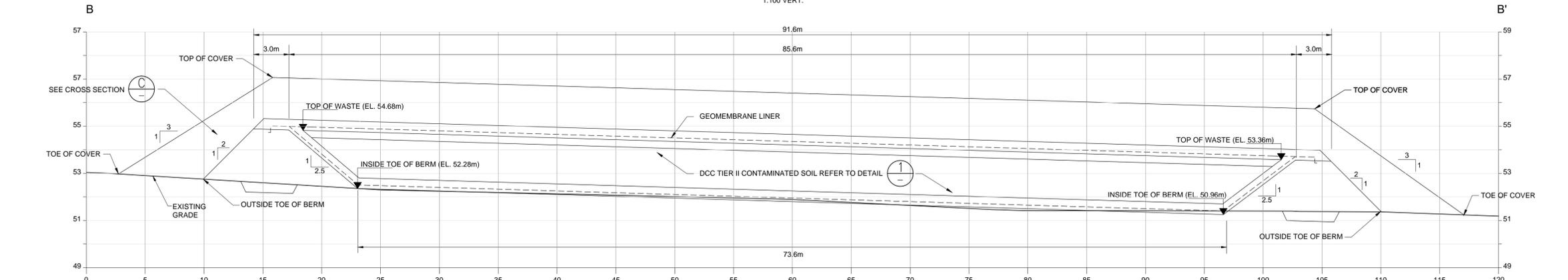
REGISTERED PROFESSIONAL ENGINEER
D. MOREHOUSE
LICENCEE
NWT/NU

NOTE: THIS DRAWING ILLUSTRATES INFORMATION SPECIFIC TO A STANTEC PROJECT AND MUST NOT BE USED FOR OTHER PURPOSES.

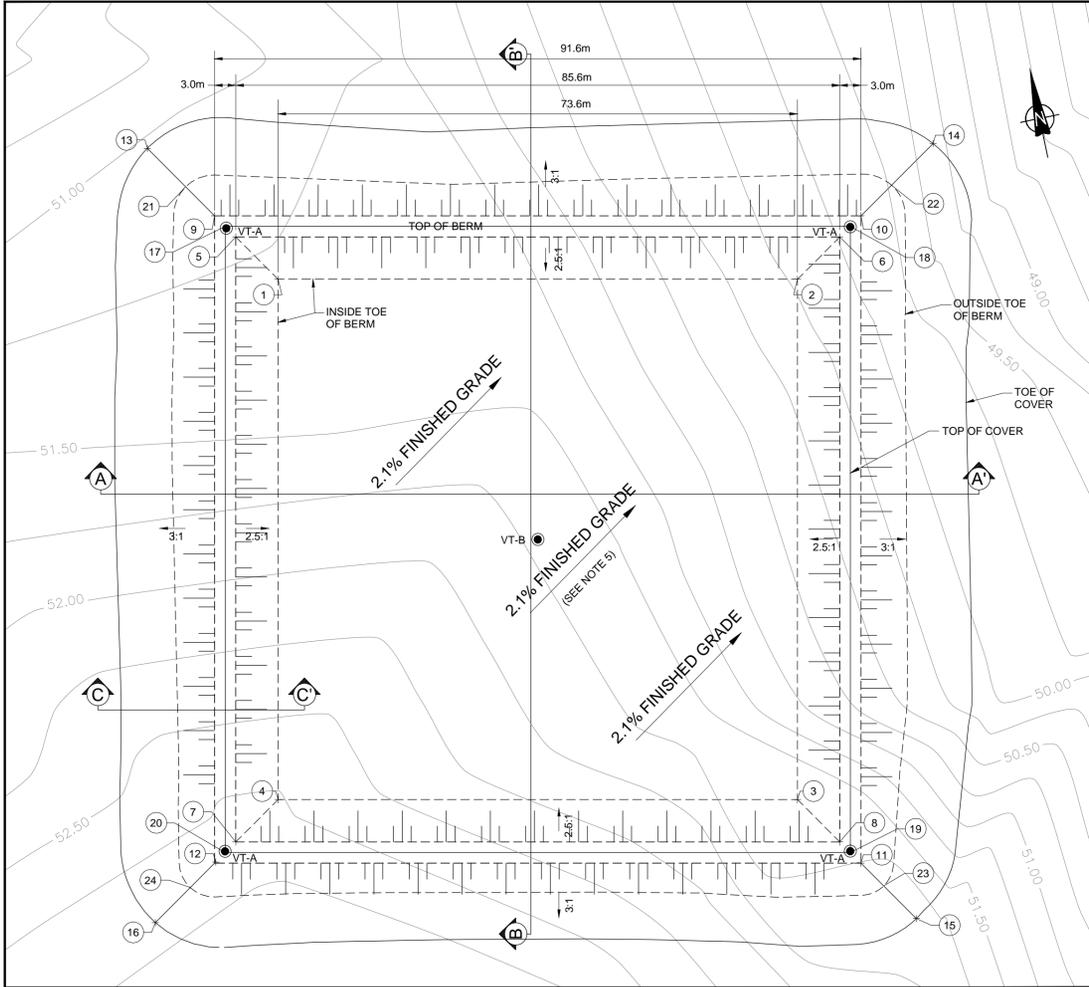
B	ISSUED FOR TENDER	FEB 27/15
A	ISSUED FOR 90% REVIEW	OCT. 06/14
APPD NO.	DETAILS	DATE
REVISIONS		
DWG. NO.	DESCRIPTION	DATE
REFERENCES		
PROJECT: CAM-E KEITH BAY REMEDIATION PROJECT		
SITE ADDRESS: KEITH BAY NUNAVUT		
CLIENT: PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		
PHWGC JOB No.:	SCALE:	DATE:
R.064013	AS SHOWN	JULY 30, 2014
DRAWN BY:	DESIGNED BY:	APPROVED BY:
P.J.SOO	M. NICHOLSON	D. MOREHOUSE
DRAWING TITLE: TIER II LANDFILL		
DRAWING No.:	REVISION No.:	
C08	B	



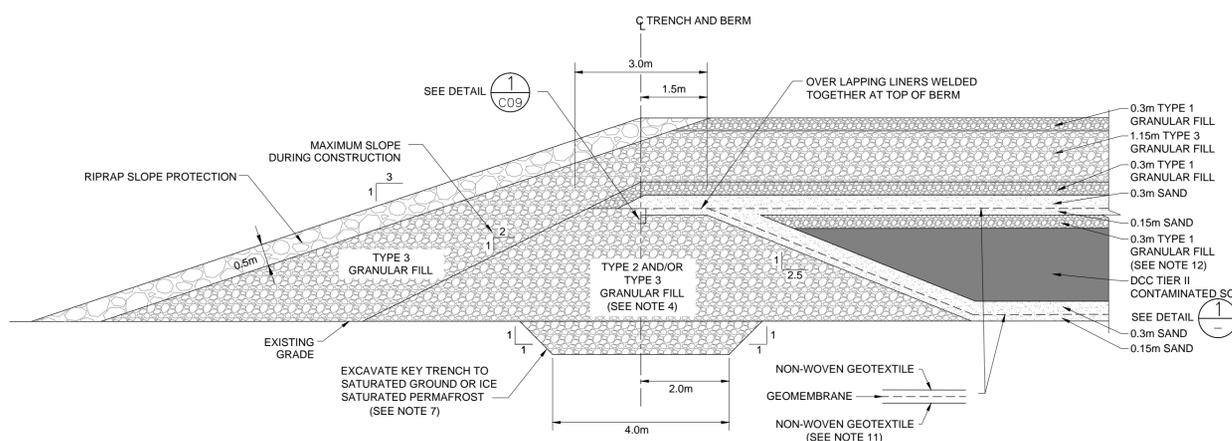
CROSS SECTION A
1:200 HORIZ.
1:100 VERT.



CROSS SECTION B
1:200 HORIZ.
1:100 VERT.

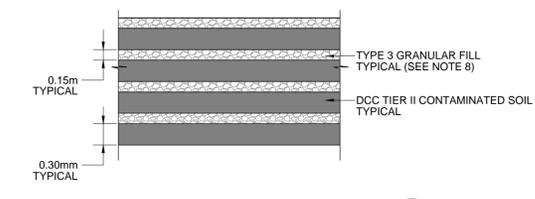


PLAN OF TIER II LANDFILL
1:500



TYPICAL TIER II LANDFILL CROSS-SECTION
N.T.S. (SEE NOTE 10)

LAYOUT POINTS				
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION (m)
1	INSIDE TOE OF BERM	7571358.342	452317.870	51.66
2	INSIDE TOE OF BERM	7571343.675	452389.994	50.38
3	INSIDE TOE OF BERM	7571271.552	452375.327	51.66
4	INSIDE TOE OF BERM	7571286.219	452303.203	52.94
5	CREST OF BERM	7571365.406	452313.194	54.06
6	CREST OF BERM	7571348.352	452397.057	52.78
7	CREST OF BERM	7571281.543	452296.139	55.34
8	CREST OF BERM	7571264.488	452380.003	54.06
9	CREST OF BERM	7571368.944	452310.852	54.06
10	CREST OF BERM	7571350.694	452400.595	52.78
11	CREST OF BERM	7571260.950	452382.345	54.06
12	CREST OF BERM	7571279.201	452292.602	55.34
13	OUTSIDE TOE OF COVER	7571380.162	452303.431	51.03
14	OUTSIDE TOE OF COVER	7571358.710	452412.709	49.34
15	OUTSIDE TOE OF COVER	7571251.709	452388.462	51.82
16	OUTSIDE TOE OF COVER	7571272.686	452282.761	52.91
17	TOP OF COVER	7571367.175	452312.023	56.26
18	TOP OF COVER	7571349.523	452398.826	54.98
19	TOP OF COVER	7571262.720	452381.174	57.54
20	TOP OF COVER	7571280.372	452294.371	56.26
21	OUTSIDE TOE OF BERM	7571373.778	452307.640	51.16
22	OUTSIDE TOE OF BERM	7571354.072	452405.698	49.71
23	OUTSIDE TOE OF BERM	7571257.132	452384.873	51.78
24	OUTSIDE TOE OF BERM	7571276.546	452288.497	52.90



TYPICAL WASTE PLACEMENT DETAIL
N.T.S.

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