



Roberts Bay Abandoned Mine Site Sample Locations





Land Surveys Limited

Prepared : November 16, 2005
Project: ALS050052

Waste Rock - Volume & Area Summary

Robert's Bay

Total Waste Rock Area = 12,655 sq. m.

	Perimeter Area (sq. m)	Average Depth (estimated) (m)	Volume (average depth method) (cu. m)	Volume (by cross section method) (cu. m)	Average Depth (calcd) (m)
1	Ore Pad - West Half	156.0	0.2	31.2	n/a
2	Ore Pad - East Half	161.0	0.2	32.2	n/a
3	Explosives Area (including road)	198.0	0.1	19.8	n/a
4	Fuel Bladder Berm - South Half	225.0	n/a	n/a	0.3
5	Fuel Bladder Berm - North Half	223.0	n/a	n/a	0.3
6	Waste Rock Pile - South End	66.3	n/a	n/a	1.2
7	Waste Rock Pile - North East End	66.3	n/a	n/a	1.2
8	Waste Rock Pile - North West End	66.3	n/a	n/a	1.2
9	Discrete Sample	n/a	n/a	n/a	n/a
10	Discrete Sample	n/a	n/a	n/a	n/a
11	Waste Rock Plateau - East	1625.0	0.3	487.5	n/a
12	Waste Rock Plateau - North	1105.0	0.3	331.5	n/a
13	Waste Rock Pile 1 (East)	165.8	n/a	n/a	154.8
14	Waste Rock Pile #2 (North)	39.6	n/a	n/a	26.8
15	Waste Rock Berm #1 (W of Fine Ore Pad))	113.9	n/a	n/a	59.0
16	Access Road to Ida Bay	902.0	0.5	451.0	n/a
17	Fine Ore Pad	669.0	0.2	133.8	n/a
18	Mill Yard Area (North)	836.0	0.3	250.8	n/a
19	Waste Rock Berm #2 (N of Tailings Pond)	145.0	0.3	43.5	n/a
20	Waste Rock Berm #3 (S of Tailings Pond)	401.0	0.8	320.8	n/a
21	Waste Rock around Dump	80.0	0.6	48.0	n/a
22	Ramp of Waste Rock (to Adit #2)	322.0	0.2	64.4	n/a
Total Waste Rock Accounted For:		7566.2		2214.5	627.4
Waste Rock Area Unaccounted For:		5088.8			

Ida Bay

Total Waste Rock Area = 4,875 sq. m.

A	Waste Rock Pile # 1 (East)	1077.6	n/a	n/a	1606.4	1.5
B	Waste Rock Pile # 2 (North)	390.9	n/a	n/a	602.3	1.5
C	Waste Rock Pile # 3 (South)	269.0	0.4	147.6	n/a	n/a
D	Waste Rock Pile #4 (West)	228.9	n/a	n/a	156.0	0.7
Total Waste Rock Accounted For:		2066.4		147.6	2364.7	
Waste Rock Area Unaccounted For:		2808.6				

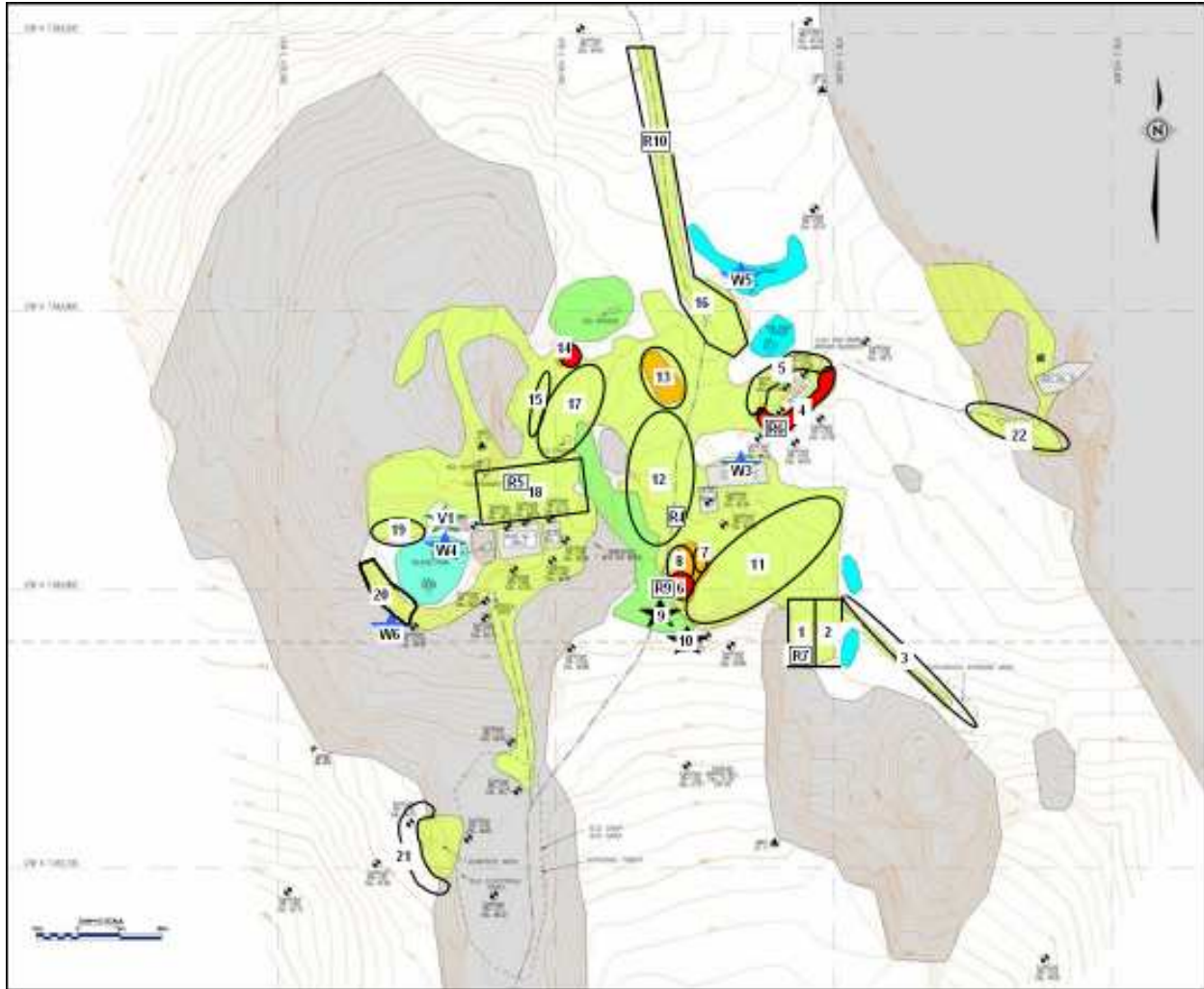


Figure 3: Sketch indicating the approximate location of sample sites at the Roberts Bay mine site.
Sample points prefixed with R indicate approximate locations of Rescan (2003) samples.

SLOPE

TIMBER FRAME

ROCK WALL

PARTIALLY BACKFILLED ENTRANCE

WATER

APPROX. 6.5 to 7m

ROCK WALL

TO TOP OF 1:2.1 SLOPE

APPROX. 4.0m

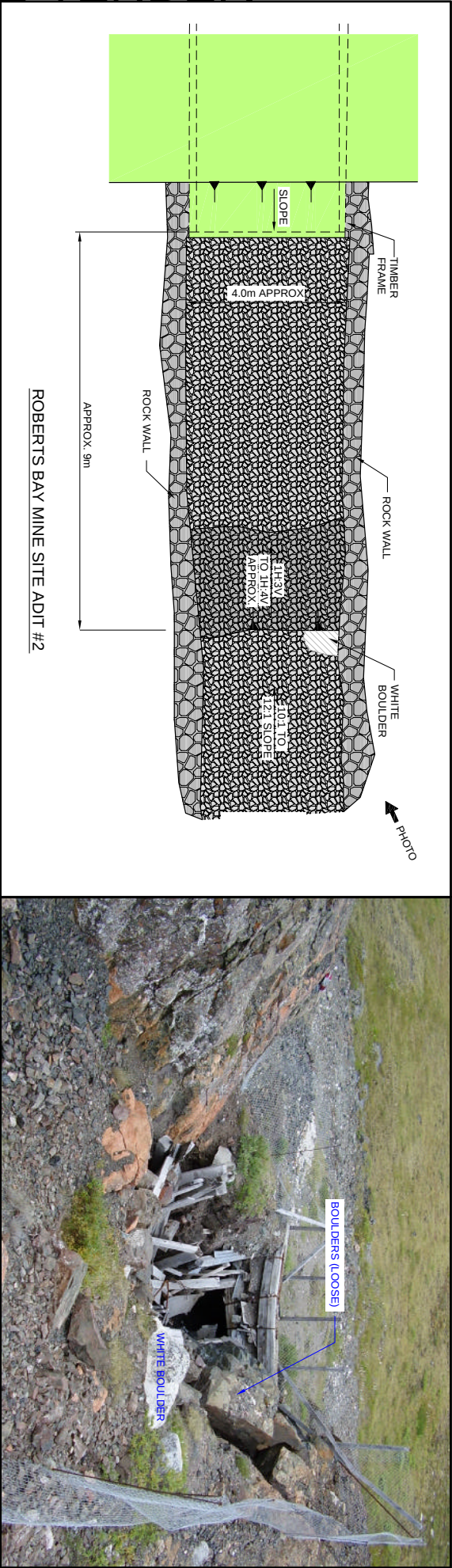
PHOTO

ROBERTS BAY MINE SITE ADIT #1



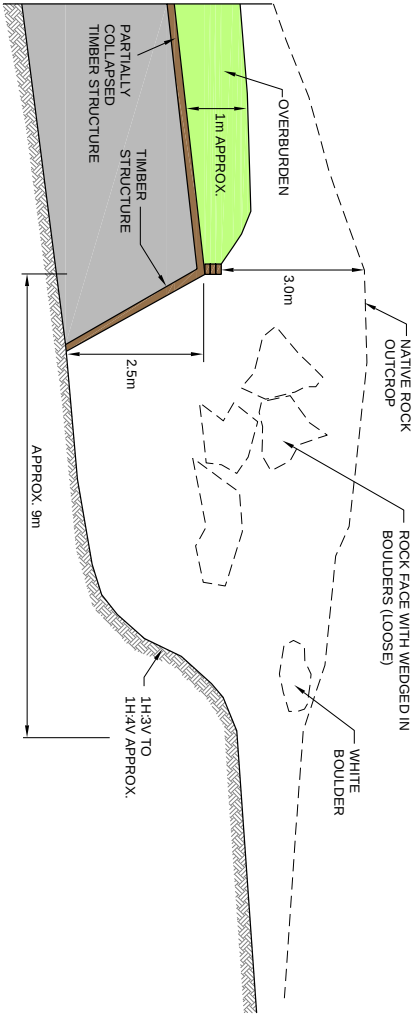
A cross-sectional diagram of a timber structure on a slope. The structure is labeled 'TIMBER STRUCTURE' and is shown with a cross-section of a log. It is situated on a slope of 'OVERBURDEN/ROCK'. The structure is partially submerged in 'WATER'. A 'PARTIALLY BACKFILLED ENTRANCE' is indicated by a blue triangle. Dimensions are provided: '1.5m' for the height of the structure above the water, '1.0m' for the width of the structure, and 'APPROX. 15m TO 18m' for the length of the structure. A dashed line represents the 'ORIGINAL GROUND SURFACE (ASSUMED)'.

CLIENT:		DATE:	
PUBLIC WORKS AND GOVERNMENT SERVICES CANADA		JAN. 2007	
AMEC Earth & Environmental 2227 Douglas Road, Burnaby, B.C. V5C 5A9 Tel. 604-294-3811 Fax 604-249-4664		PROJECT NO.: WX15131-3000	
		REV. NO.: A	
DRAWN BY: SM CHECKED BY: CP DATE/PLM:	PROJECT: ROBERTS BAY AND IDA BAY MINE SITE REMEDIATION TITLE: ROBERTS BAY MINE SITE ADIT #1 PLAN AND SECTION		FIGURE NO.: FIGURE 5
PROJECTION: SCALE: AS SHOWN			



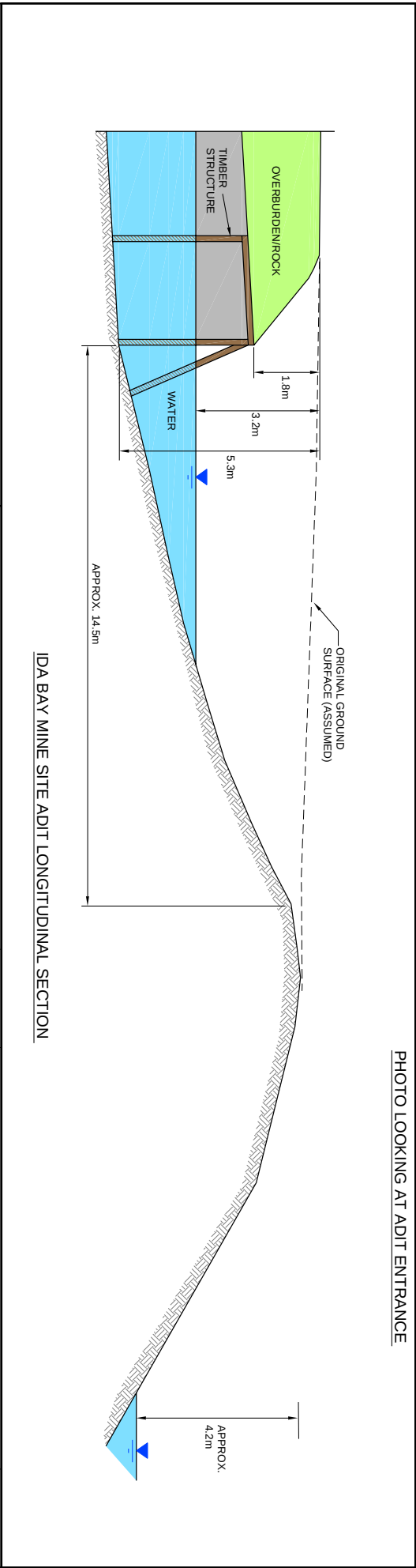
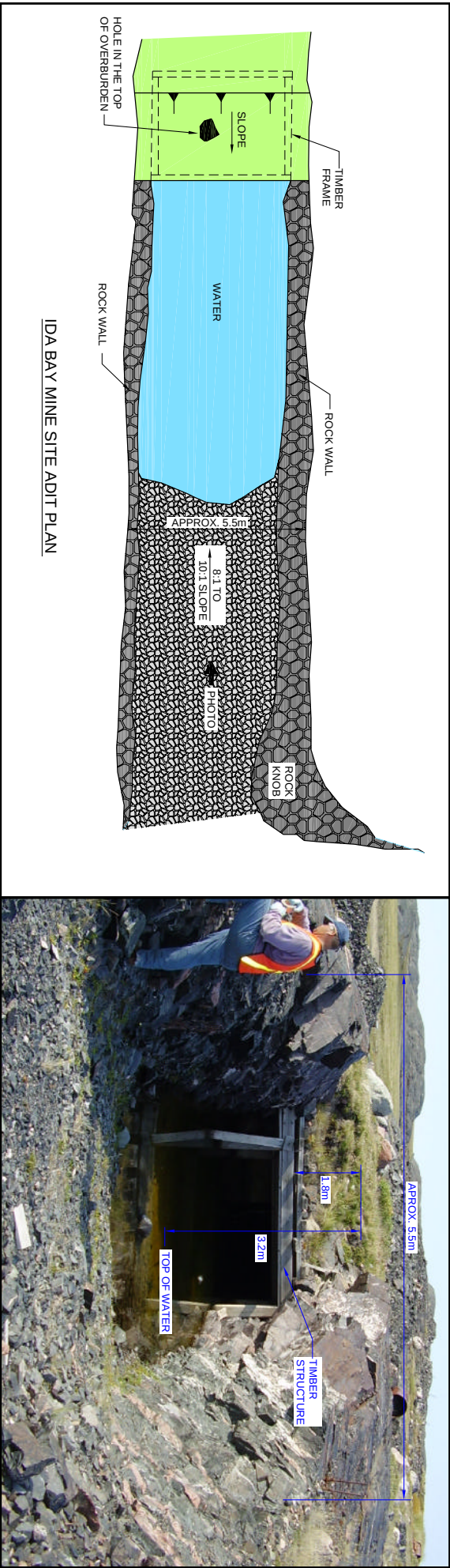
ROBERTS BAY MINE SITE ADIT #2

PHOTO LOOKING AT ADIT ENTRANCE

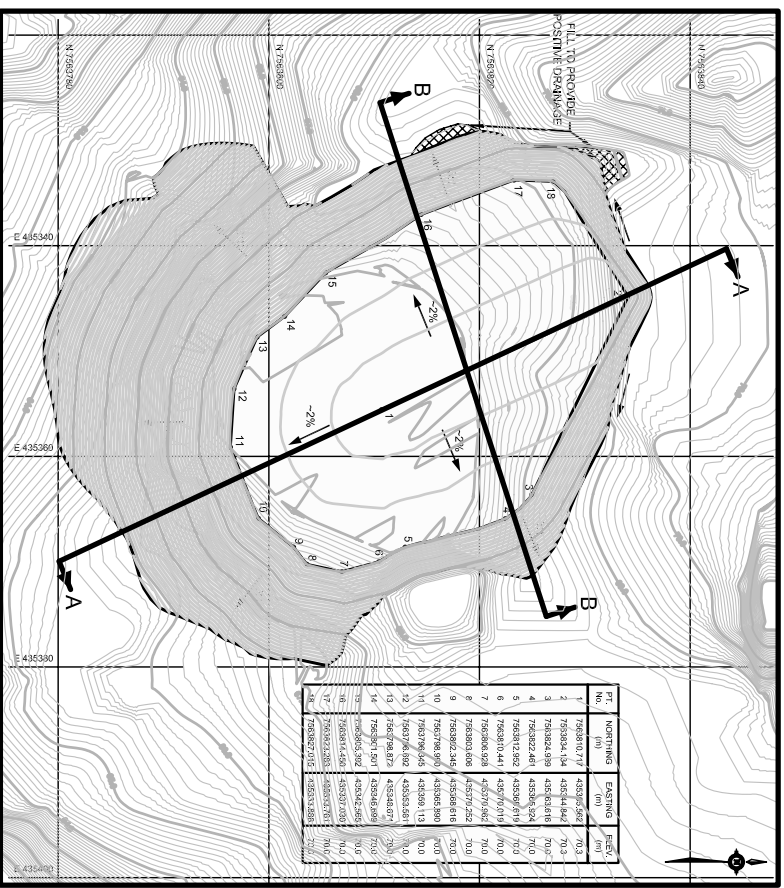


ROBERTS BAY ADIT #2 MINE SITE LONGITUDINAL SECTION

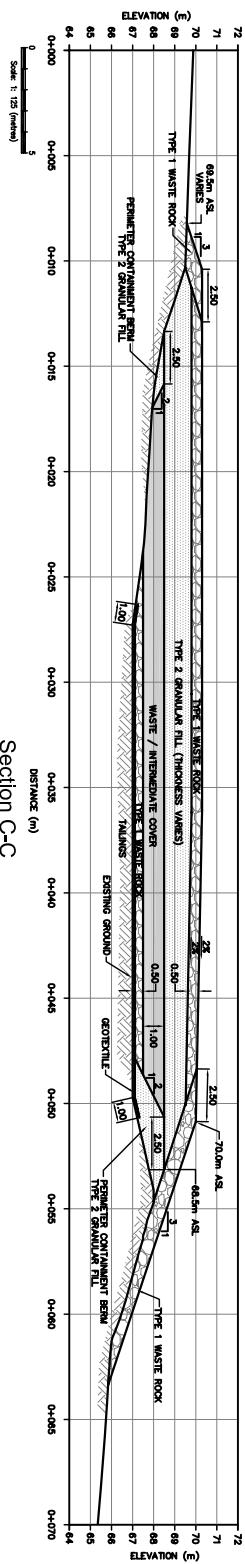
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AMEC Earth & Environmental 2227 Douglas Road, Burnaby, B.C., V5C 5A9 Tel: 604-294-3811 Fax 604-249-4664		CHK'D BY: CP	ROBERTS BAY MINE SITE ADIT #2 PLAN AND SECTION	PROJECT NO.: WX15131-3000
amec		DATUM: -		REV. NO.: A
		PROJECTION: -		FIGURE NO. FIGURE 6
		SCALE: AS SHOWN		



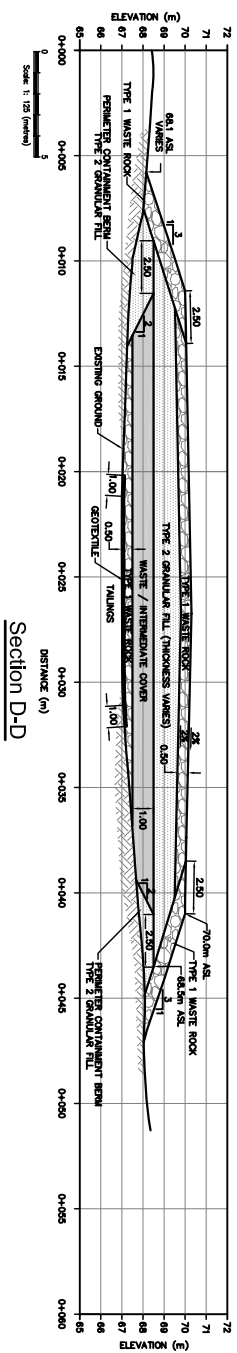
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PROJECT:		ROBERTS BAY AND IDA BAY MINE SITE REMEDIATION		PROJECT NO: WX15131-3000	
DRAWN BY: SM		CHECKED BY: CP		REV. NO.: A	
DATE: -		PROJECT: -		FIGURE NO. FIGURE 7	
SCALE: AS SHOWN		TITLE: IDA BAY MINE SITE ADIT PLAN AND SECTION			



PLAN - DESIGN
SCALE 1:250



Section C-C



Section D-D