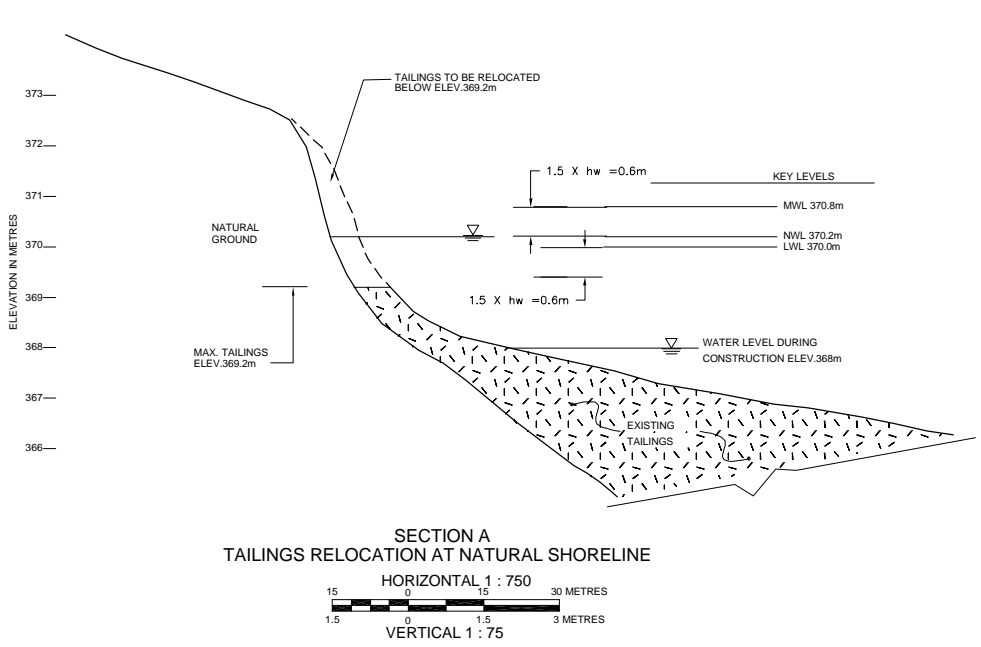
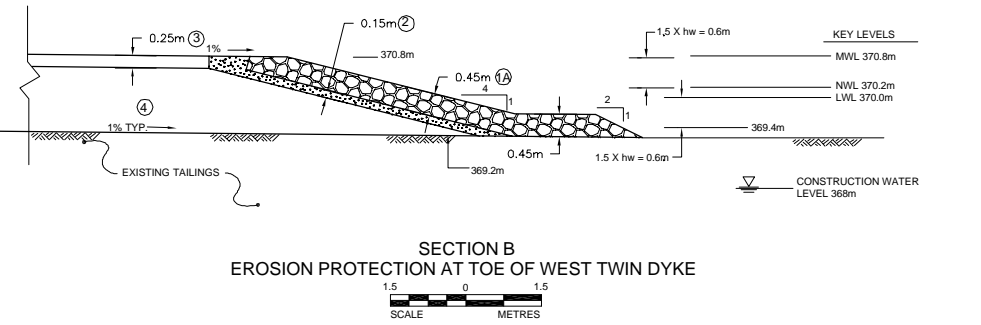


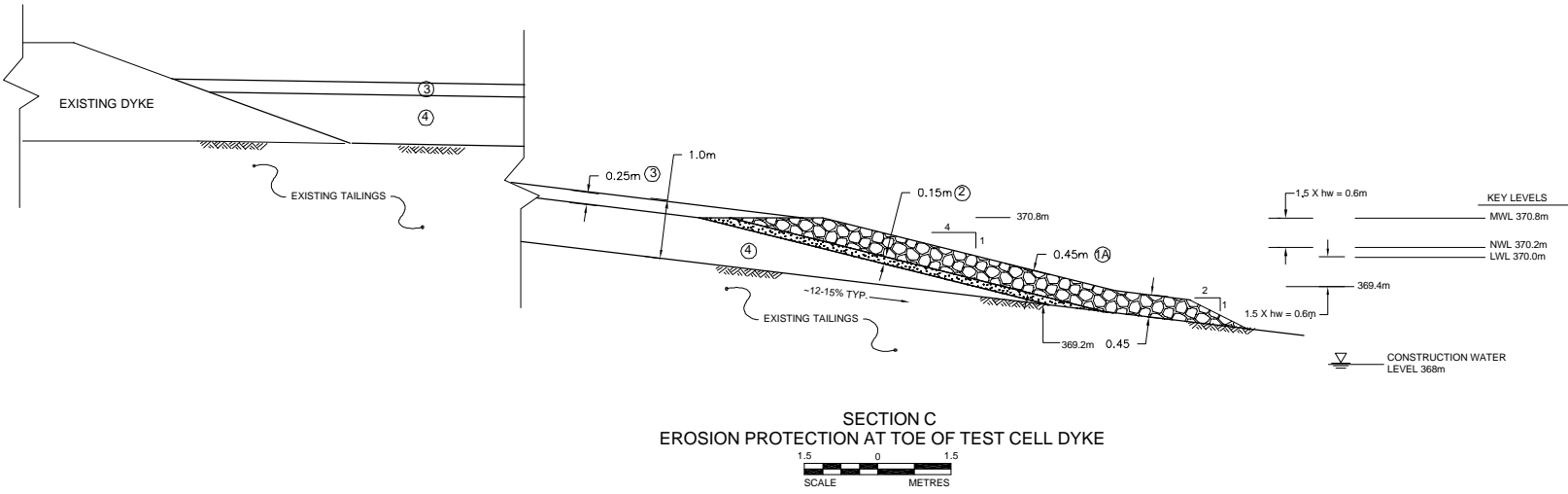
KEY PLAN
SCALE 0 50 100 METRES



SECTION A
TAILINGS RELOCATION AT NATURAL SHORELINE
HORIZONTAL 1 : 750
VERTICAL 1 : 75



SECTION B
EROSION PROTECTION AT TOE OF WEST TWIN DYKE
SCALE 1.5 0 1.5 METRES



SECTION C
EROSION PROTECTION AT TOE OF TEST CELL DYKE
SCALE 1.5 0 1.5 METRES

LEGEND	
LWL	LOW WATER LEVEL(m) DURING DROUGHT CONDITIONS
NWL	NORMAL WATER LEVEL (m)
MWL	MAXIMUM WATER LEVEL (m)
hw	DESIGN WAVE HEIGHT (m)
D50	MEAN PARTICLE DIAMETER (BY MASS)
CONSTRUCTION MATERIALS	
①	RIP RAP - D 50 SIZE = 200mm MIN.
②	BEDDING - D 50 SIZE = 100mm MIN.
③	ARMOUR - SAND AND GRAVEL
④	COVER MATERIAL - SHALE

- SUGGESTED CONSTRUCTION SEQUENCE**
1. LOWER WATER LEVEL TO ELEV.368m.
 2. PLACE COVER ON TAILINGS THAT WILL NOT BE RELOCATED BELOW WATER COVER AND PLACE EROSION PROTECTION ON COVER AS SHOWN.
 3. RELOCATE TAILINGS TO BELOW ELEV.369.2m.
 4. REMOVE CAUSEWAY EMBANKMENT CULVERTS.
 5. LOWER CAUSEWAY CREST .
 6. LOWER BAFFLE DYKE CREST.

- NOTES:**
1. LIMITS OF APPLICABILITY OF SECTIONS ARE APPROXIMATE ONLY AND ARE SUBJECT TO CONFIRMATION IN THE FIELD BY THE OWNER'S REPRESENTATIVE.
 2. CONTRACTOR SHALL PREVENT DISCHARGE OF WATER DURING CONSTRUCTION.
 3. DIVERSION CHANNEL, DIVERSION DAM AND ROCKFILL CAUSEWAY(FOR POTABLE WATER PIPELINE) INFERRED FROM KILBORN DWG. 13-13-7, REV. 1 DATED JAN.1977 (AS-BUILT).
 4. DETAILS REGARDING THE CONSTRUCTION OF THE OUTLET CONTROL EMBANKMENT WERE NOT AVAILABLE AT TIME OF DRAWING PREPARATION.

- REFERENCES**
- BASEMAPPING WAS PROVIDED BY BGC IN DIGITAL FORMAT. FILENAME 0255-008-09 001 Figure_07 .alt.dwg DATED 12/22/2003. BGC'S BASEMAPPING COMPILATION LISTS THE FOLLOWING SOURCES:
- A. RESERVOIR AND TEST CELL BATHYMETRY DERIVED FROM DRAWING New Final Bath V14.dwg SUPPLIED BY NML
 - B. SURFACE CELL, WEST TWIN OUTLET AND PROPOSED SPILLWAY AREA TOPOGRAPHY DERIVED FROM SURVEY CONDUCTED BY SUB-ARCTIC SURVEYS LTD. SEPTEMBER, 2003.
 - C. BOREHOLE LOCATIONS ARE APPROXIMATE.

TEST CELL REGRADED SURFACE PROVIDED BY BGC IN DIGITAL FORMAT. FILENAME GARTNER FIGURE_27.DWG., DATED 2/10/2004.

Golder Associates Ltd.
Mississauga, Ontario, Canada

PROJECT: BREAKWATER RESOURCES
NANISIVIK MINE
A DIVISION OF CANZINCO LTD.

TITLE: **RESERVOIR SHORELINE
EROSION PROTECTION
WEST TWIN DISPOSAL
AREA CLOSURE PLAN**

PROJECT:	03-1118-049	FILE:	031118049DA21.DWG
DATE:	MARCH, 2004		
CAD:	TDR	ENG:	DGR

