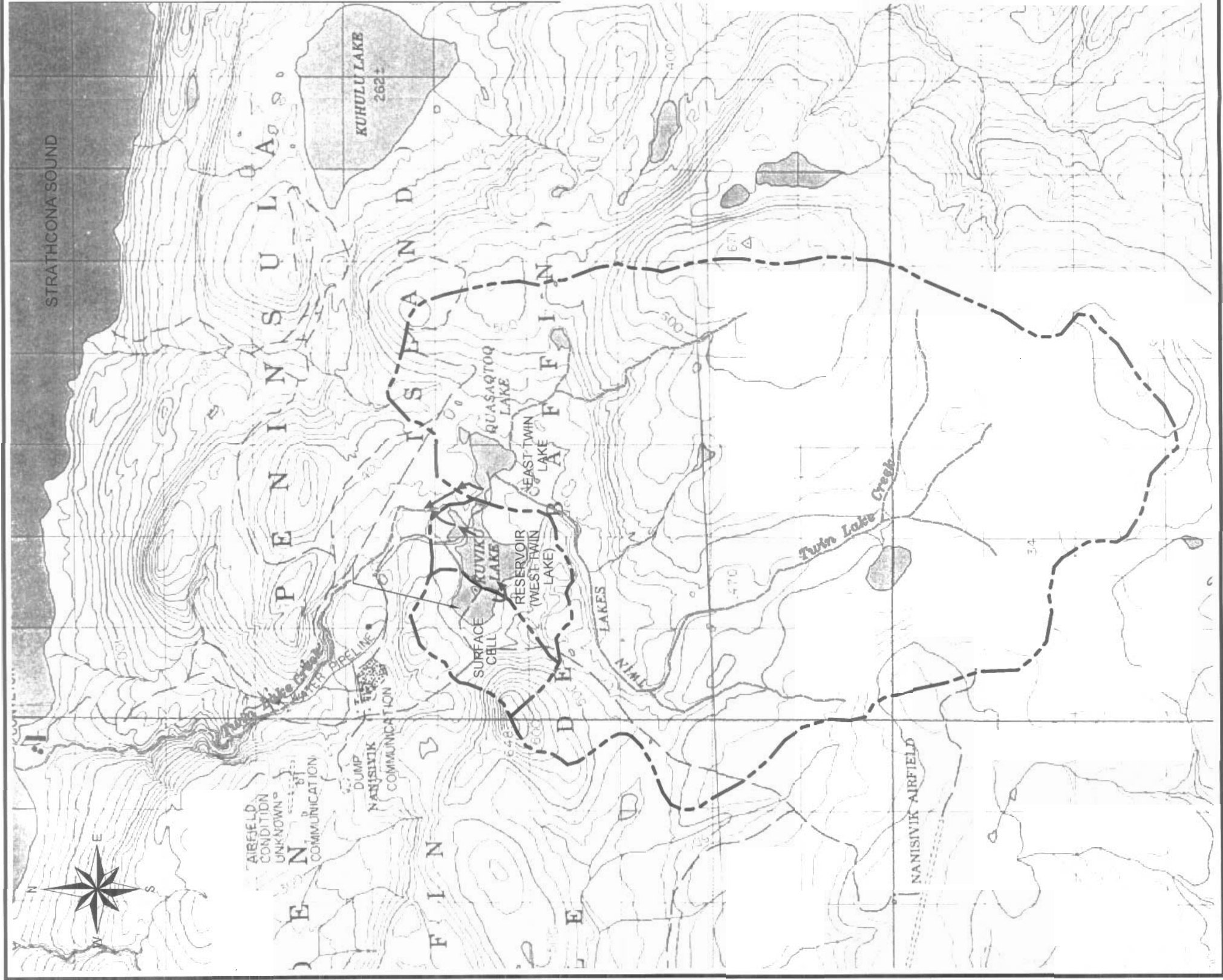




INFERRED WATERSHED BOUNDARIES
WEST TWIN DISPOSAL AREA CLOSURE PLAN

LEGEND

- INFERRED WATERSHED BOUNDARIES
- SURFACE WATER FLOW DIRECTION

DRAINAGE AREAS

EAST TWIN LAKE	34.6 sq. km.
RESERVOIR (WEST TWIN LAKE)	3.0 sq. km.
SURFACE CELL	1.27 sq. km.

REFERENCE

ENERGY, MINES AND RESOURCES, MAP SHEETS 48 C/1 AND 48 B/16,
1986, SCALE 1 : 50,000.



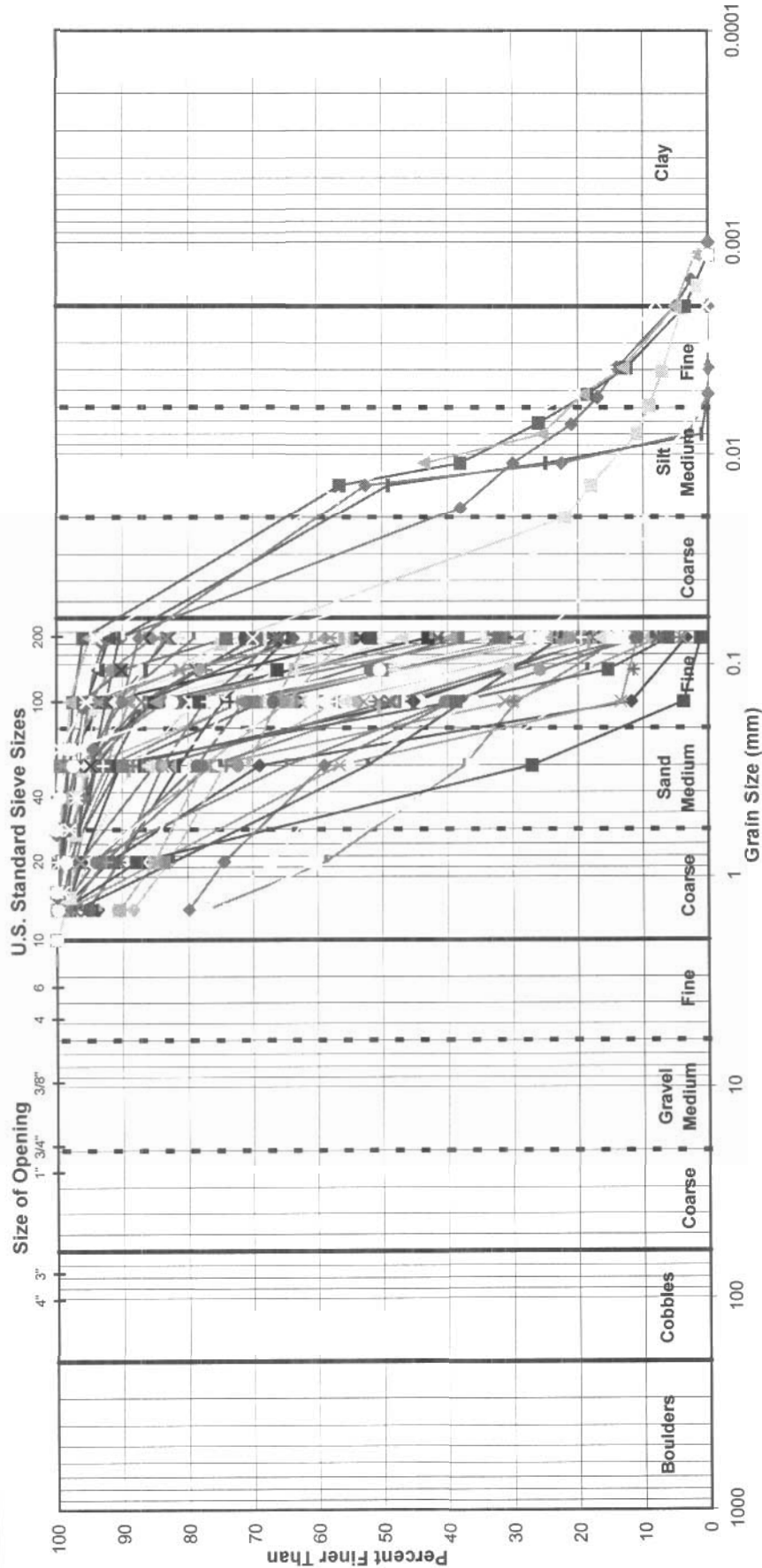
DATE: FEBRUARY, 2004

PROJECT: 03-1118-049

CAD: TDR

CHK: DGR





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PROJECT:

WEST TWIN DISPOSAL AREA CLOSURE PLAN

TITLE:

GRAIN SIZE DISTRIBUTION ANALYSIS
 SURFACE CELL TAILINGS

CLIENT:

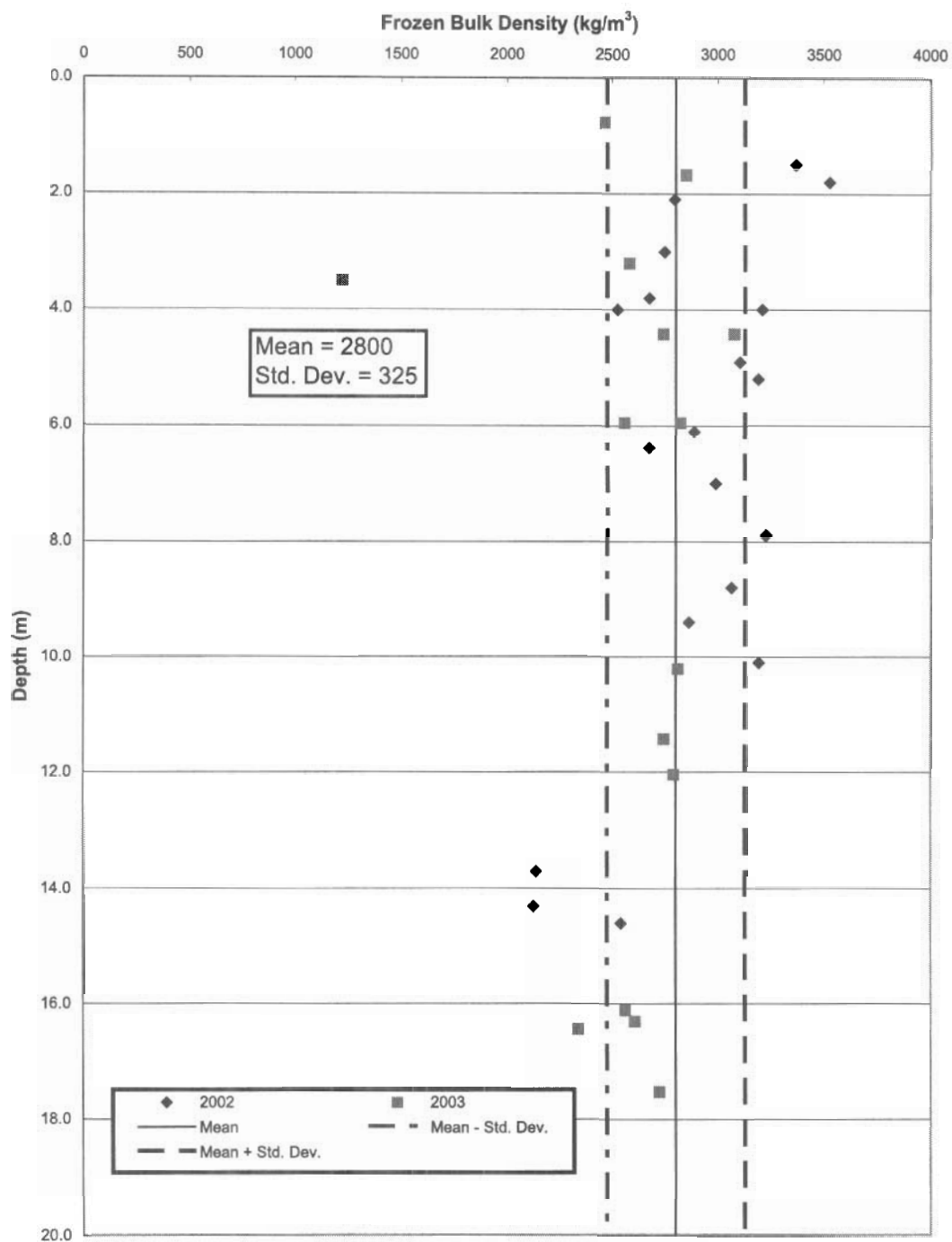
NANISIVIK MINE, A DIVISION OF CANZINCO LTD.

PROJECT NO.

0255-008-09

DWG. NO.

9



Note: mean and standard deviation calculated considering samples collected in 2002 and 2003.

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SCALE:	As Shown	DESIGNED:	GKC
DATE:	JAN 2004	CHECKED:	GKC
DRAWN:	SLF	APPROVED:	JWC

CLIENT: NANISIVIK MINE, A DIVISION
OF CANZINCO LTD.

PROJECT
WEST TWIN DISPOSAL AREA CLOSURE PLAN

TITLE
FROZEN BULK DENSITY
PROFILE - TAILINGS



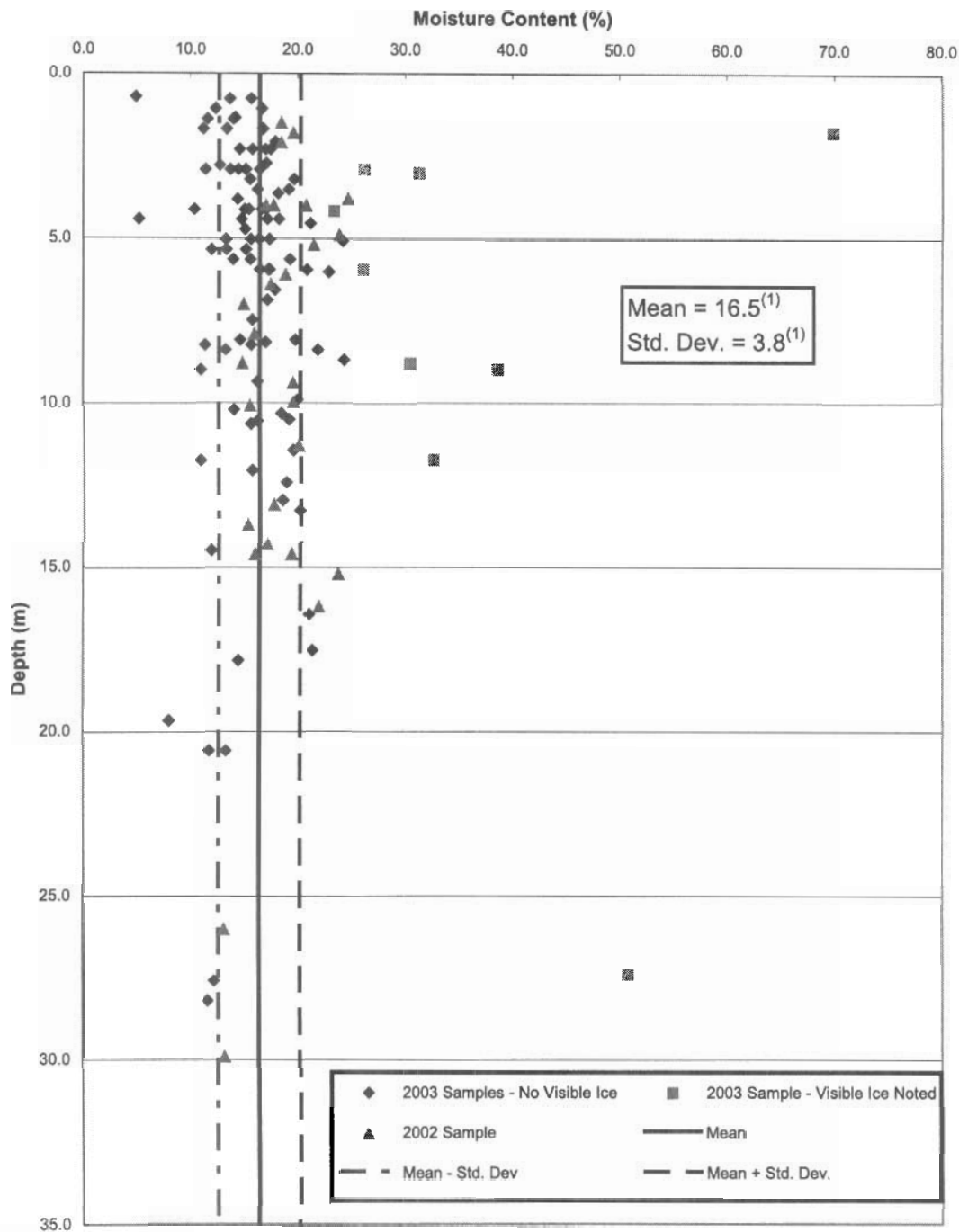
BGC Engineering Inc.
AN APPLIED EARTH SCIENCES COMPANY

Calgary, Alberta. Phone: (403) 250-5185

PROJECT No.
0255-008-09

DWG No.
10

REV.
0



Note: (1) Calculated from 108 samples of tailings collected in 2002 and 2003 in Surface Cell and Test Cell Dike and toe of WT DiKE containing no visible ice.

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SCALE:	As Shown	DESIGNED:	GKC
DATE:	JANUARY 2004	CHECKED:	GKC
DRAWN:	SLF	APPROVED:	JWC

CLIENT: NANISIVIK MINE, A DIVISION OF CANZINCO LTD.

PROJECT: WEST TWIN DISPOSAL AREA CLOSURE PLAN

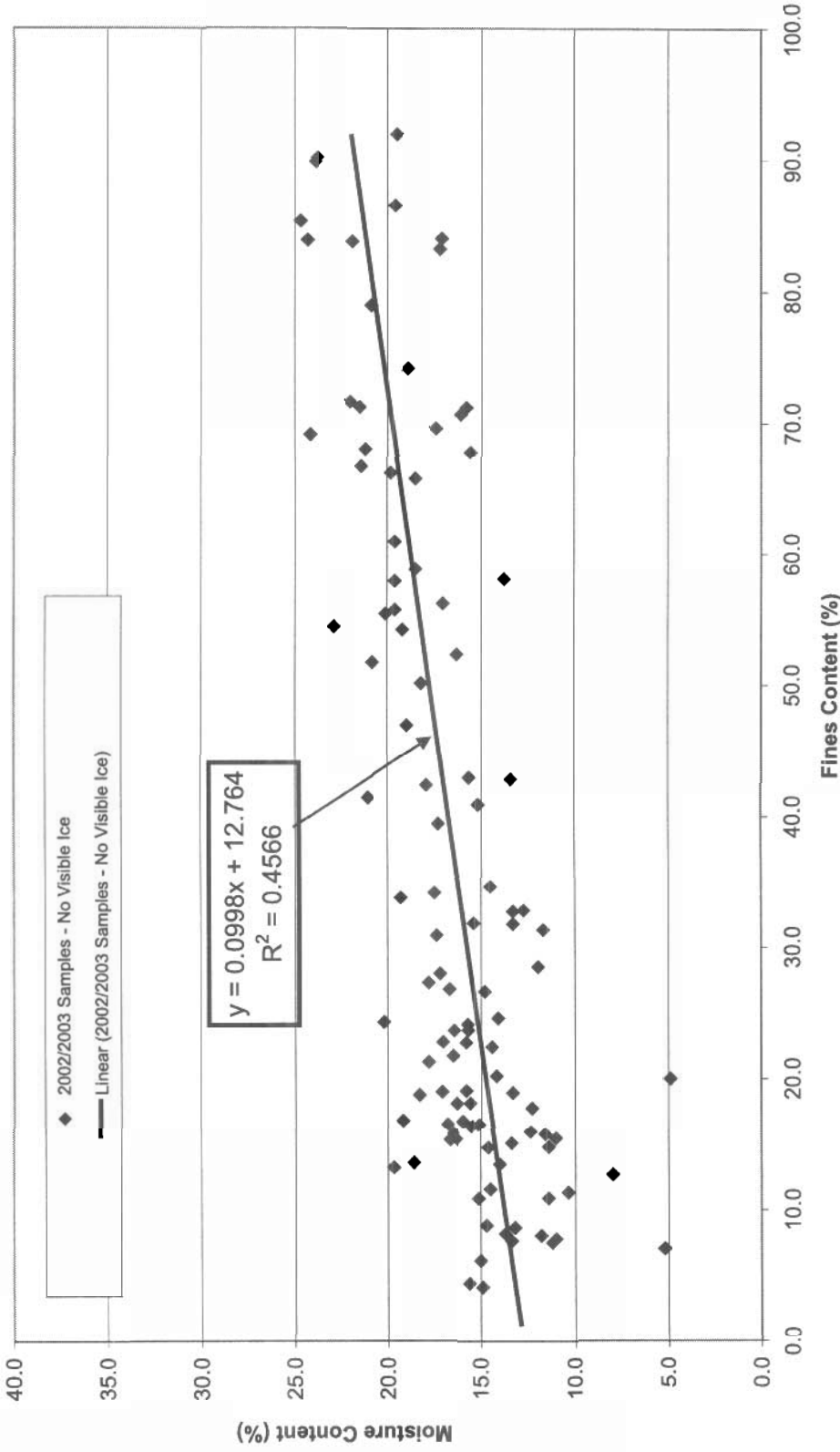
TITLE: MOISTURE CONTENT PROFILE TAILINGS



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PROJECT No.	0255-008-09	DWG No.	11	REV.	0
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DATE: JAN 2004	DRAWN: SLF	PROJECT: WEST TWIN DISPOSAL AREA CLOSURE PLAN	
AS A MUTUAL PROTECTION TO OUR CLIENT, THE PUBLIC AND OURSELVES, ALL REPORTS AND DRAWINGS ARE SUBMITTED FOR THE CONFIDENTIAL INFORMATION OF OUR CLIENT FOR A SPECIFIC PROJECT AND AUTHORIZATION FOR USE AND/OR PUBLICATION OF DATA, STATEMENTS, CONCLUSIONS OR ABSTRACTS FROM OR REGARDING OUR REPORTS AND DRAWINGS IS RESERVED PENDING OUR WRITTEN APPROVAL.		BGC ENGINEERING INC. AN APPLIED EARTH SCIENCES COMPANY Calgary, Alberta Phone: (403) 250-5185	
		CLIENT NANISIVIK MINE, A DIVISION OF CANZINCO LTD.	
		PROJECT No. 0255-008-09	DWG. No. 12
		TITLE: RELATIONSHIP BETWEEN MOISTURE CONTENT AND FINES CONTENT - TAILINGS	REV. 0

LEGEND

2002/2003 GEOTECHNICAL
BOREHOLE/TEST PIT

ORIGINAL LAKE OUTLINE
(APPROXIMATE)

CURRENT AREA OF PONDED
WATER IN SURFACE CELL
(SEPTEMBER 2003)

SYMBOL DENOTES
THERMOCOUPLE LOCATION

SYMBOL DENOTES
FROST GAUGE LOCATION



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[illegible]

SCALE:	AS SHOWN
DATE:	FEB 2004
DRAWN:	CJT
DESIGNED:	GKC
CHECKED:	JWC
APPROVED:	JWC

PROJECT WEST TWIN DISPOSAL AREA CLOSURE PLAN

TITLE SURFACE CELL TALIK MAGNITUDE AND EXTENT

PROJECT No.	DWG No.	REV.
0255-008-09	14	0

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LEGEND

- 2002/2003 GEOTECHNICAL BOREHOLE/TEST PIT
- ORIGINAL LAKE OUTLINE (APPROXIMATE)
- SYMBOL DENOTES THERMOCOUPLE LOCATION
- SYMBOL DENOTES FROST GAUGE LOCATION



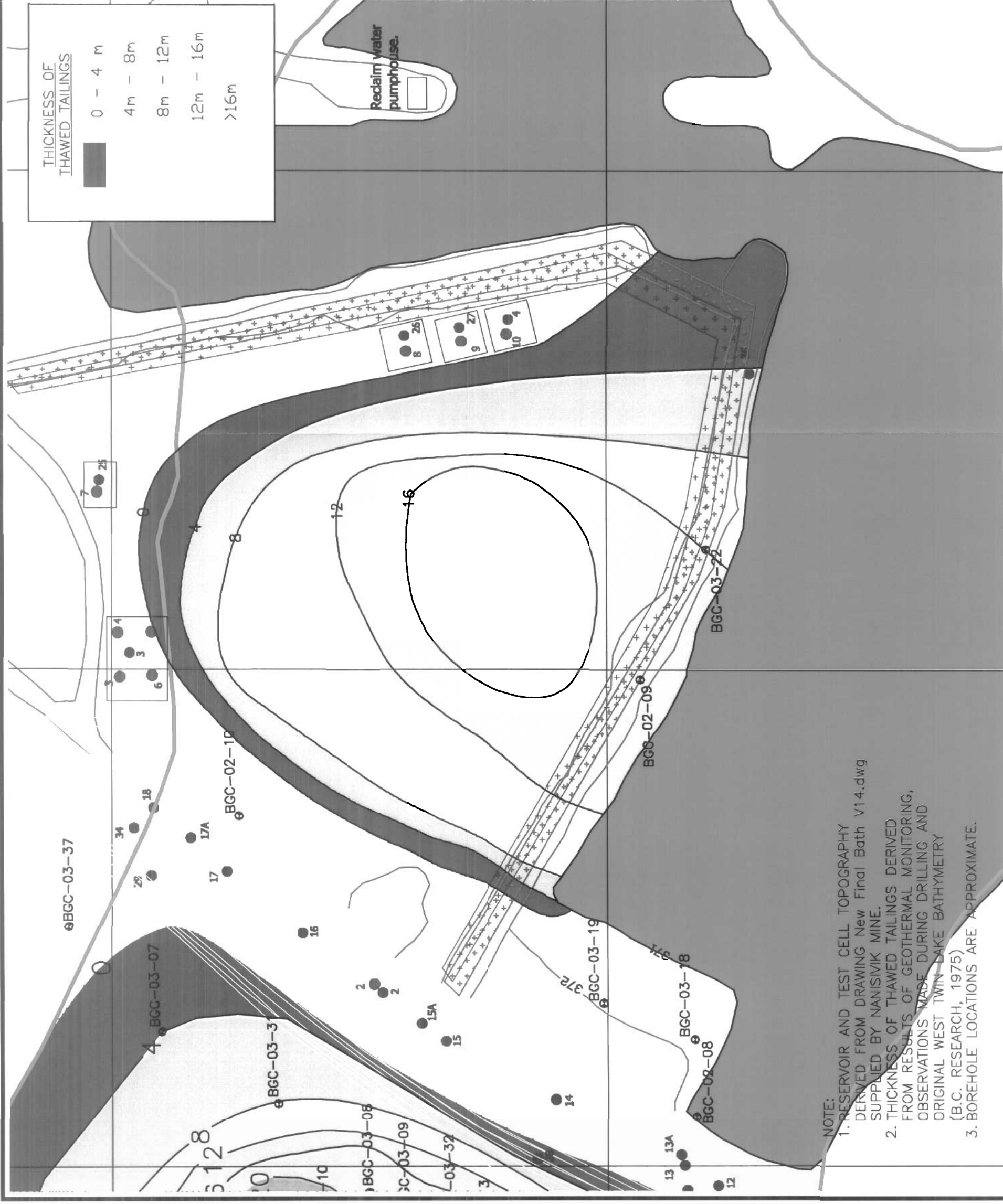
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SCALE:	AS SHOWN
DATE:	FEB 2004
DRAWN:	CJT
DESIGNED:	GKC
CHECKED:	JWC
APPROVED:	JWC

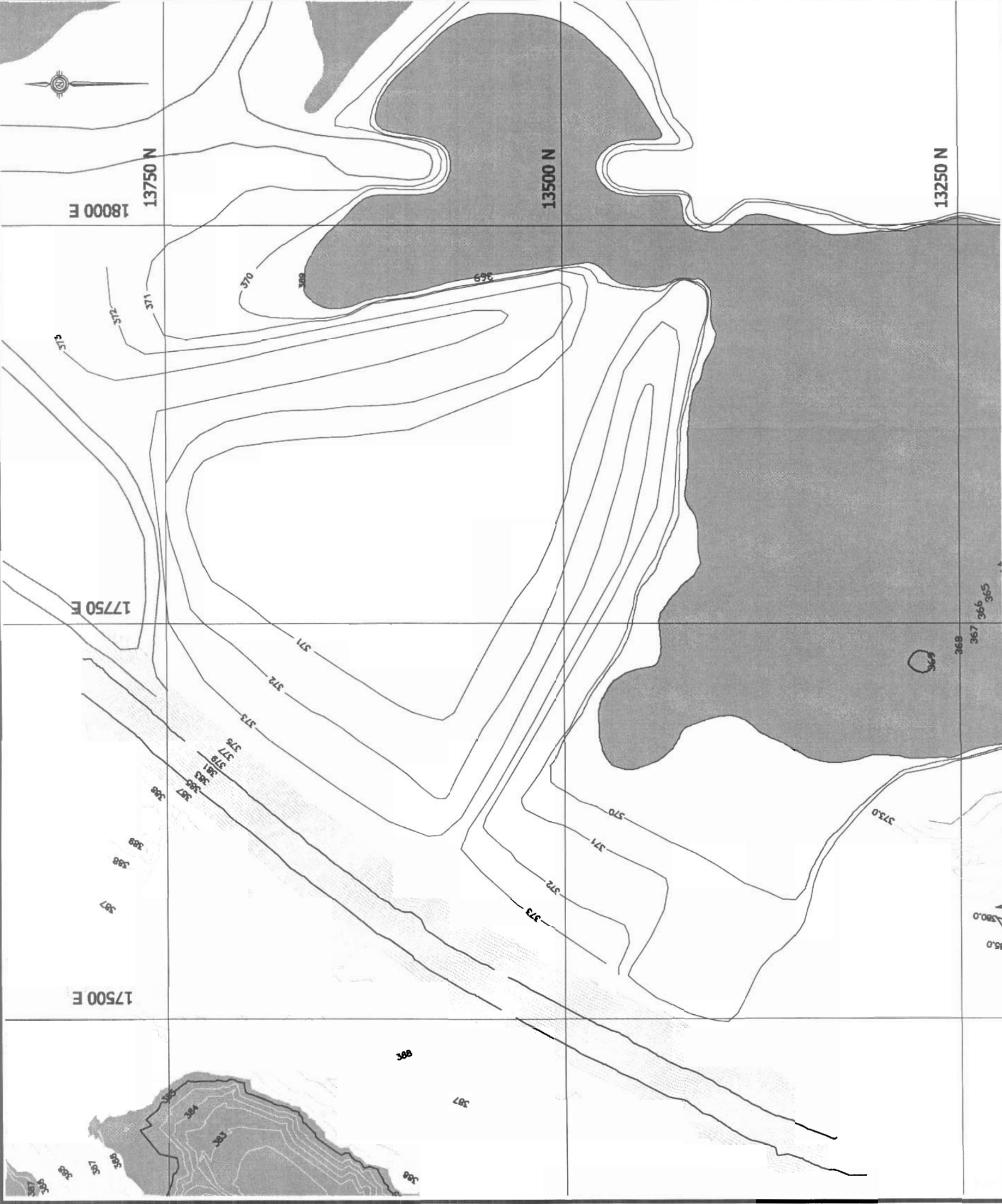
PROJECT	WEST TWIN DISPOSAL AREA CLOSURE PLAN	
TITLE	TEST CELL TALIK MAGNITUDE AND EXTENT	
PROJECT No.	DWG No.	REV.
0255-008-09	16	0

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NOTE:

1. RESERVOIR AND TEST CELL TOPOGRAPHY DERIVED FROM DRAWING New Final Bath V14.dwg SUPPLIED BY NANISVIK MINE.
2. THICKNESS OF THAWED TAILINGS DERIVED FROM RESULTS OF GEOTHERMAL MONITORING, OBSERVATIONS MADE DURING DRILLING AND ORIGINAL WEST TWIN LAKE BATHYMETRY (B.C. RESEARCH, 1975)
3. BOREHOLE LOCATIONS ARE APPROXIMATE



CLIENT: NANISIVIK MINE,
A DIVISION OF CANZINCO LTD.

NOTES:

1. CURRENT BATHYMETRY OF RESERVOIR AND TEST CELL FROM DRAWING New Final Bath V14.dwg SUPPLIED BY NANISIVIK MINE.
2. TOP LAYER OF TEST CELL DIKE TO BE RELOCATED WITHIN THE TEST CELL DURING RECLAMATION ACTIVITIES.
3. RESERVOIR LEVEL TO BE LOWERED TO APPROXIMATELY 369 m IN POST CLOSURE.



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REV.	DATE	REVISION NOTES	DRAWN	CHECKED	APPROVED

SCALE:	AS SHOWN
DATE:	FEB 2004
DRAWN:	CJT
DESIGNED:	GKC
CHECKED:	JWC
APPROVED:	JWC

PROJECT	WEST TWIN DISPOSAL AREA CLOSURE PLAN				
TITLE	TEST CELL TAILINGS GRADING PLAN				
PROJECT No.	0255-008-09	DWG No.	19	REV.	0



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