

Mr. George Headley
Ministry of Energy and Mines
Mines Branch
4th Floor, 1810 Blanshard Street
Victoria, BC

Our Reference: 11162/13.01

Number:

0/1223

May 25, 2000

Dear Mr. Headley:

V8W 9N3

Mt. Polley Tailings Storage Facility Application to Construct to Elevation 944 Metres Amendment to Permit M-200



Stage 2C of the Mount Polley Tailings Storage Facility (TSF) was completed to a crest elevation of 941 m in March of this year. We request approval from the Mines Branch to construct the Stage 3 embankment to a crest elevation of 944 m. This crest elevation will provide adequate storage capacity for tailings while providing freeboard for the design storm event until early 2002.

The design report for permitting and construction of Stage 3 and on-going stages of the Mount Polley TSF was submitted to your office for review in December 1999 (Knight Piésold Ref. No. 11162/12-2). The report describes the construction of the embankment downstream fill zones by direct placement of cycloned tailings underflow.

The preferred construction method was revised as part of the on-going design process whereby tailings underflow would be stockpiled and placed in the embankment fill by conventional mechanical placement methods. The details are described in the Addendum to the Stage 3 design report (Knight Piésold Ref. No. 11162/13-4).

). MINISTRY OF ENERGY AND MINES

REC'D JUN 0 1 2000

We also considered rockfill as an alternative to cycloned sand in the downstream shell zones as part of the Stage 3 tendering process. The rockfill concept was originally presented in a Stage 2 design report (Knight Piésold Ref. No. 10162/9-3, December 1997).

The proposed method for Stage 3 construction includes the use of rockfill at the Main Embankment and cycloned sand at the Perimeter Embankment in order to construct the Stage 3 raise in a cost-effective and timely manner. The three embankments will be constructed as follows:

Main Embankment

The Stage 3 Main Embankment shall consist of a downstream raise as shown on the attached Drawings (11162-13-210, 11162-13-215). The downstream shell zone shall consist of locally quarried rockfill.

The embankment includes a downstream rockfill buttress that brings the overall downstream slope to 3H:1V.

Perimeter Embankment

The Stage 3 Perimeter Embankment shall consist of a modified centreline raise. The downstream shell zone shall consist of cycloned sand placed by hydraulic methods to the greatest degree possible. Mechanical placement methods will be employed with drained cycloned sand, hauled from stockpiles, to construct the remaining downstream fill. The Perimeter Embankment details are shown in plan and cross section on the attached Drawings 11162-12-120 and 11162-12-125.

The intersection of the Main and Perimeter Embankments will incorporate suitably graded transition materials to provide a filter relationship between rockfill and cycloned sand.

South Embankment

The Stage 3 South Embankment shall consist of a homogeneous glacial till structure with a maximum height of approximately 2 m, as shown on the attached Drawing 11162-13-130.

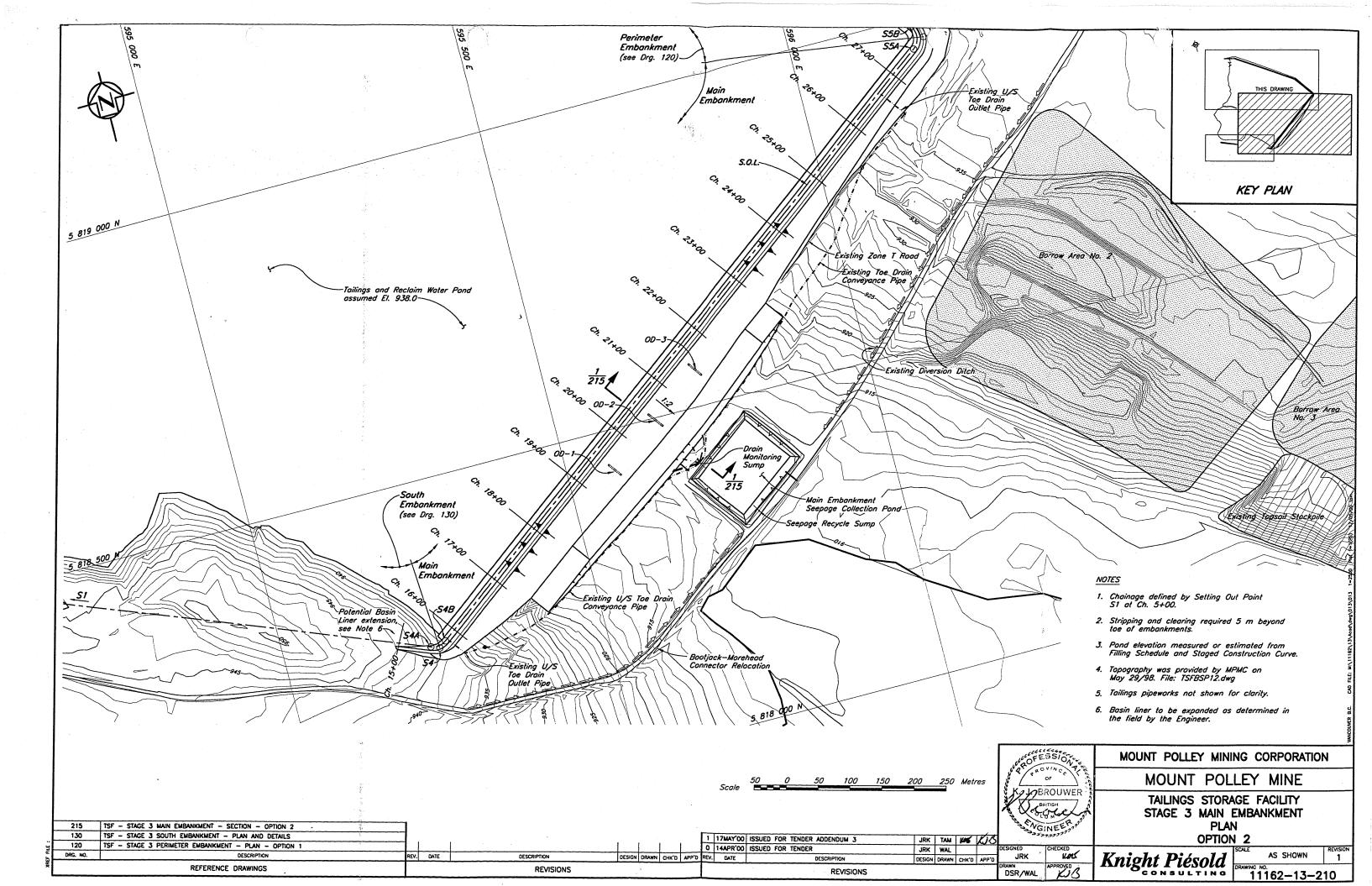
We request that the permitting process be expedited, as the Contractor will be mobilizing June 1, 2000 and fill placement is expected to commence on June 21, 2000.

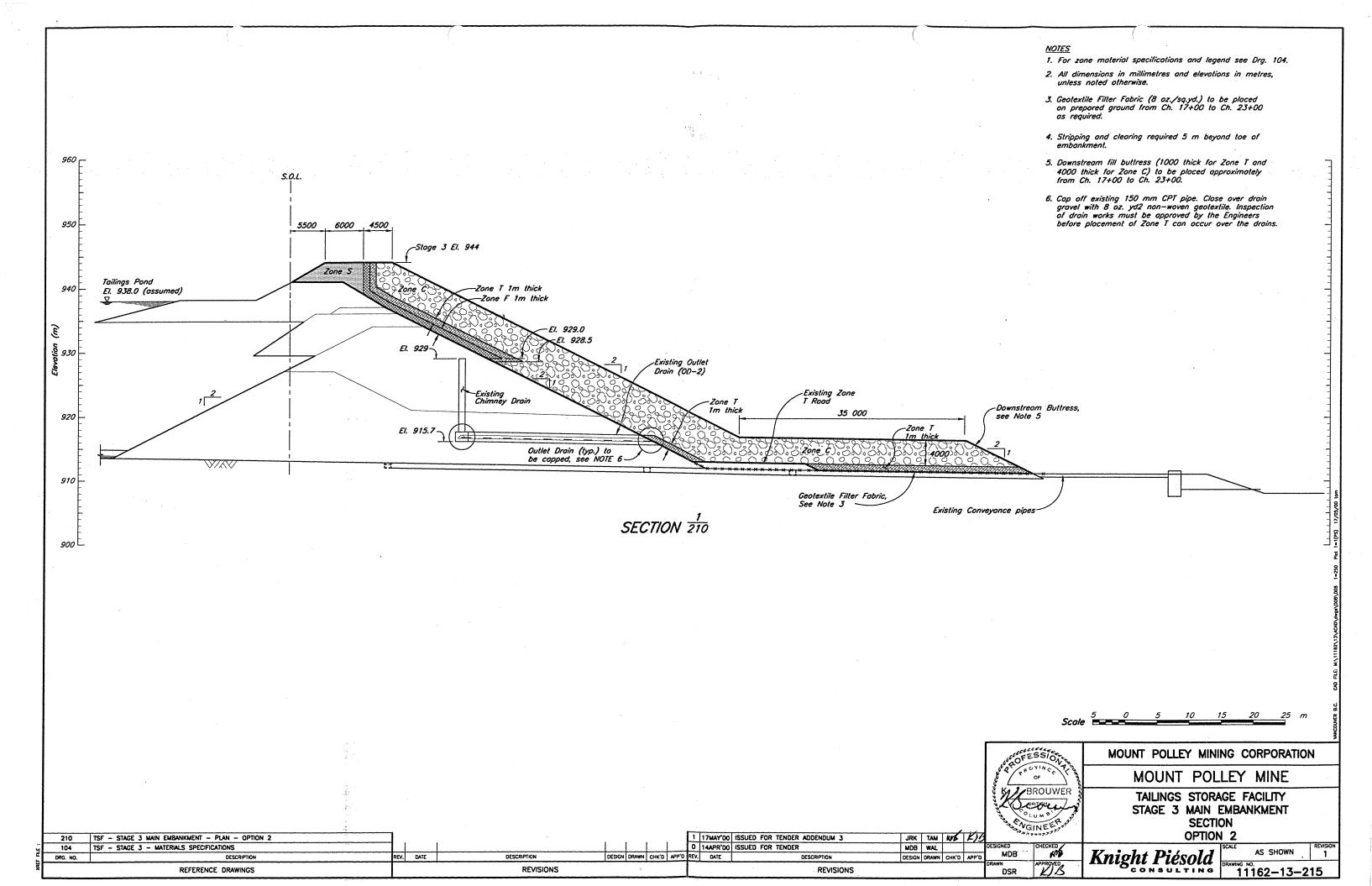
Please do not hesitate to contact the undersigned or Mr. Ken Brouwer or Mr. Jeremy Kinch of Knight Piésold should you have any questions regarding this request for approval.

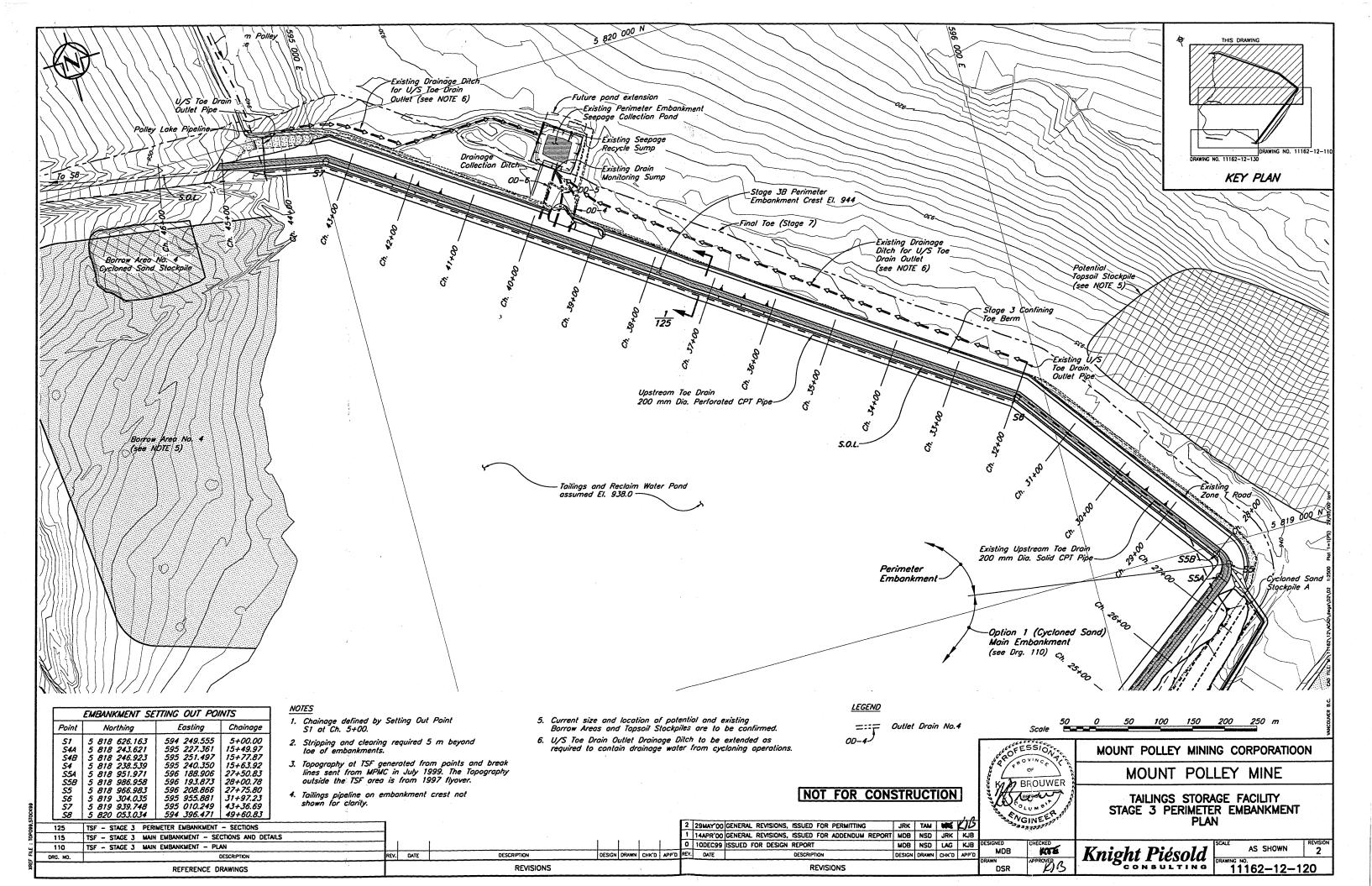
Yours truly,

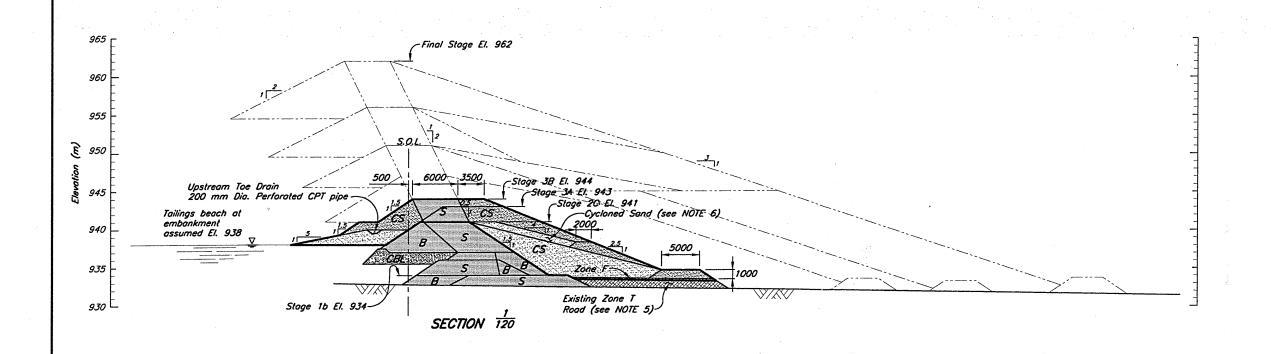
MOUNT POLLEY MINING CORPORATION

Don Parsons



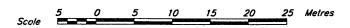






- 1. All dimensions in millimetres with elevations in metres, unless noted otherwise.
- Geotextile Filter Fabric (8 oz./sq.yd.) to be placed on prepared ground as required.
- 3. For zone material specification and legend see Drg. 104.
- Crest elevations and details of ongoing embankment raises are preliminary only and will be modified during future design stages.
- 5. Zone T road to be ripped prior to Zone F placement.
- Actual quantity of Cycloned Sand placed by hydraulic methods will depend on operating conditions. The remaining cycloned sand fill will be placed by mechanical methods

NOT FOR CONSTRUCTION



JRK KJB

KDE

MOUNT POLLEY MINE CORPORATION

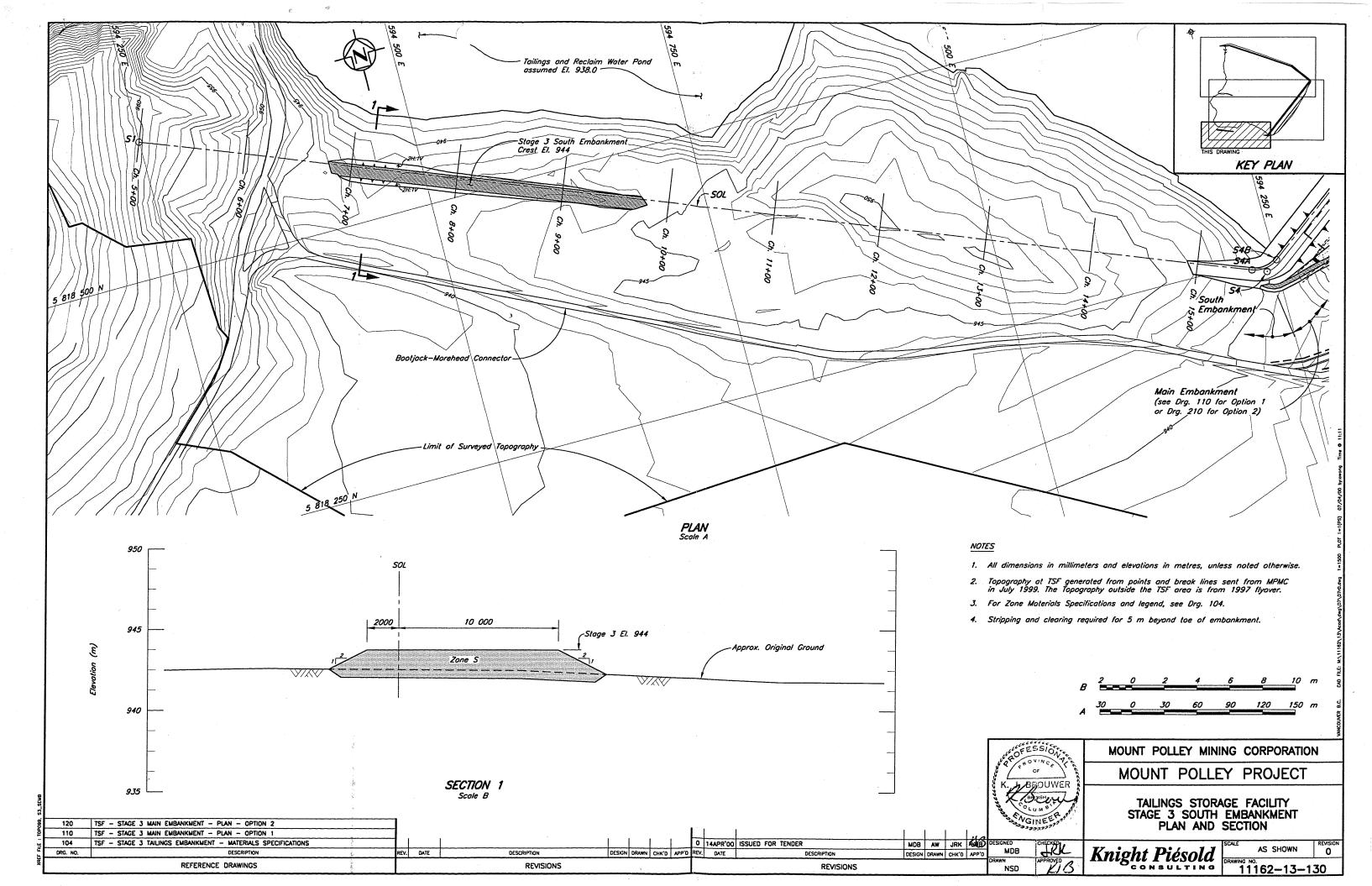
MOUNT POLLEY MINE

TAILINGS STORAGE FACILITY
STAGE 3 PERIMETER EMBANKMENT
SECTION

Knight Piés

sold	AS SHOWN	REVISIO					
TING	DRAWING NO. 11162-12-125						

									_					
	N Y								2	29MAY'00	GENERAL REVISIONS, ISSUED FOR PERMITTING	JRK	TAM	1
120	TSF - STAGE 3 - PERIMETER EMBANKMENT - PLAN								1	20APR'00	GENERAL REVISIONS, ISSUED FOR ADDENDUM REPOR	I MDB	TAM	\mathbb{L}
104	TSF - STAGE 3 - MATERIAL SPECIFICATIONS								0	10DEC'99	ISSUED FOR DESIGN REPORT	MDB	NSD	$oldsymbol{\perp}$
RG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	DESIGN	DRAWN	CHK'D	APP'0	REV.	DATE	DESCRIPTION	DESIGN	N DRAWN	ı C
	REFERENCE DRAWINGS			REVISIONS					l		REVISIONS			



Kn	ig	h	t	P_{l}	és	SO	lo	l
		CO	N	S	UL	TI	N (G

TRANSMITTAL

Suite 1400 - 750 West Pender Street Vancouver, B.C. V6C 2T8

Telephone: (604) 685-0543 Fax: (604) 685-0147

	3.51.1				
:	Ministry of Energy and Mines	DATE:	May 31, 2000	REF NO:	0/1223
	Willies	, .		FILE NO:	11162/13.01
ATTENTION:	Mr. George Headley	RE:	Mt. Polley Ta	ailings Storage Facility	<i>I</i>
WE ARE the follow	SENDING YOU And ing items:	ttached 🗌 Ui	nder separate co	ver via	
☐ Print	(s) Reproducibles		Letter(s)	☐ Specifications	☐ Disk(s)
☐ Repo	ort(s) Shop Drawing	ss 🔲	Other		
NO.			DESCRIPTION	ON	
1 Copy	Letter Number 0/1223	3, dated May 2	25, 2000		

Copy To: Fred Hermann, MEM (+letter)

Signed: __

Don Parsons, MPMC (+letter)

MINISTRY OF ENERGY AND MINES

REC'D JUN 0 1 2000