

MOUNT POLLEY PROJECT

CONSTRUCTION DRAWINGS

MP000007

Grid 2612

TABLE 1

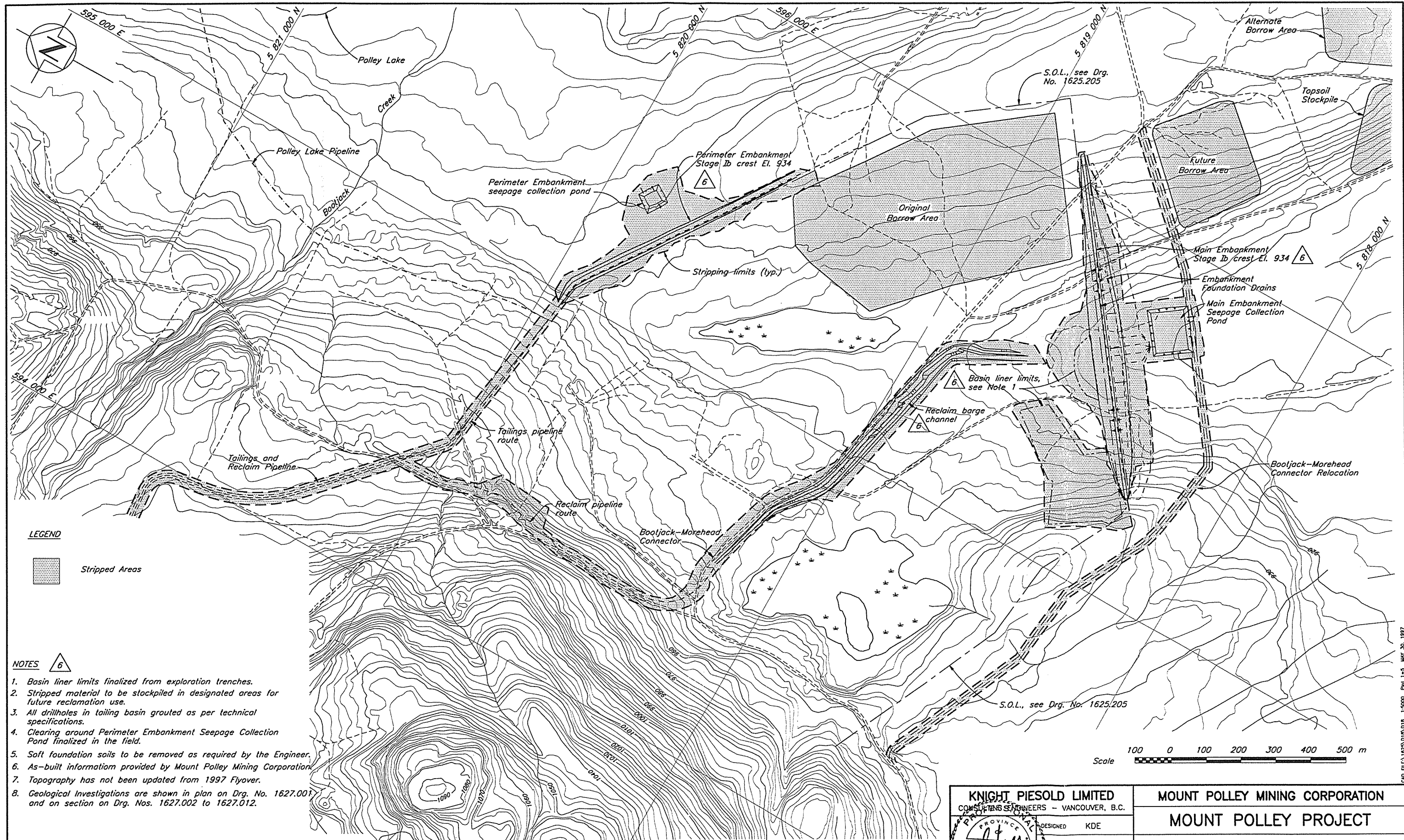
**MOUNT POLLEY PROJECT
CONSTRUCTION DRAWINGS**

J:\JOB\DATA\1627\MISC\CONSTDRG.XLS

15-May-96

KP No.	Drawing No.	Rev. No.	Title	Plot Scale	Date Issued
D19	1625.200	4	Overall Site Plan	1=20	5/301997
D18	1625.201	6	Tailings Storage Facility - Basin Preparation and Basin Liner	1=5	5/301997
D20	1625.202	6	Tailings Storage Facility - Foundation Preparation and Basin Liner - Sections and Details	1=5	5/301997
D17	1625.205	6	Tailings Storage Facility - Stage 1b Tailings Impoundment - General Arrangement	1=5	5/301997
D51	1625.206	1	Tailings Storage Facility - Reclaim Barge Channel Excavation Details	1=2	5/301997
D55	1625.207	1	Tailings Storage Facility - Tailings Dam Chimney Drain	1=2.5	5/301997
D31	1625.210	5	Tailings Storage Facility - Main and Perimeter Embankments - Plan	1=2.5	5/301997
D21	1625.211	7	Tailings Storage Facility - Tailings Embankment - Sections and Details	1=0.5	5/301997
D30	1625.212	2	Tailings Storage Facility - Material Specifications	1=1	5/301997
D22	1625.213	7	Tailings Storage Facility - Sediment Control and Seepage Collection	1=2.5	5/301997
D23	1625.214	7	Tailings Storage Facility - Sediment Control and Seepage Collection - Sections and Details	1=0.5	5/301997
D26	1625.218	6	Tailings Storage Facility - Tailings Distribution and Reclaim System - Plan	1=5	5/301997
D27	1625.219	6	Tailings Storage Facility - Tailings Distribution and Reclaim System - Sections and Details	1=0.2	5/301997
D28	1625.220	7	Tailings Storage Facility - Instrumentation	1=2.5	5/301997
D29	1625.221	4	Tailings Storage Facility - Instrumentation - Sections and Details	1=0.02	5/301997
D42	1625.222	1	Tailings Storage Facility - Tailings Impoundment - Tailings and Reclaim Pipework Plan	1=5	5/301997
D40	1625.223	1	Tailings Storage Facility - Reclaim Pipeline Details	1=0.02	5/301997
D39	1625.224	1	Tailings Storage Facility - Tailings Distribution System - Details	1=0.05	5/301997
D41	1625.225	1	Tailings Storage Facility - Tailings Pipework Details Drop Box No 2	1=0.02	5/301997
D52	1625.226	1	Tailings Storage Facility - Reclaim Booster Pump Station Area - General Arrangement	1=0.25	5/301997
D48	1625.228	1	Tailings Storage Facility - Tailings Impoundment - Tailings and Reclaim Pipework Profiles	1=10	5/301997
D32	1625.230	5	Drainage Plan - Mine Site	1=5	8-May-97
D34	1625.231	6	Drainage Plan - Mill Site	1=1.25	5/301997
D33	1625.232	5	Drainage Plan - Sections and Details	1=0.1	8-May-97
D1	1627.001	0	Tailings Storage Facility - Geological Investigations - Plan	1=5	5/301997
D2	1627.002	0	Tailings Storage Facility - Geological Investigations - Section 1	1=2.5	5/301997
D3	1627.003	0	Tailings Storage Facility - Geological Investigations - Section 2	1=2.5	5/301997
D4	1627.004	0	Tailings Storage Facility - Geological Investigations - Section 3	1=2.5	5/301997
D5	1627.005	0	Tailings Storage Facility - Geological Investigations - Section 4	1=2.5	5/301997
D6	1627.006	0	Tailings Storage Facility - Geological Investigations - Section 5	1=2.5	5/301997
D7	1627.007	0	Tailings Storage Facility - Geological Investigations - Section 6	1=2.5	5/301997
D8	1627.008	0	Tailings Storage Facility - Geological Investigations - Section 7	1=2.5	5/301997
D9	1627.009	0	Tailings Storage Facility - Geological Investigations - Section 8	1=2.5	5/301997
D10	1627.010	0	Tailings Storage Facility - Geological Investigations - Section 9	1=2.5	5/301997
D11	1627.011	0	Tailings Storage Facility - Geological Investigations - Section 10	1=2.5	5/301997
D12	1627.012	0	Tailings Storage Facility - Geological Investigations - Section 11	1=2.5	5/301997

6211 2612



LEGEND

Stripped Areas

NOTES

1. Basin liner limits finalized from exploration trenches.
2. Stripped material to be stockpiled in designated areas for future reclamation use.
3. All drillholes in tailing basin grouted as per technical specifications.
4. Clearing around Perimeter Embankment Seepage Collection Pond finalized in the field.
5. Soft foundation soils to be removed as required by the Engineer.
6. As-built information provided by Mount Polley Mining Corporation.
7. Topography has not been updated from 1997 Flyover.
8. Geological Investigations are shown in plan on Drg. No. 1627.001 and on section on Drg. Nos. 1627.002 to 1627.012.

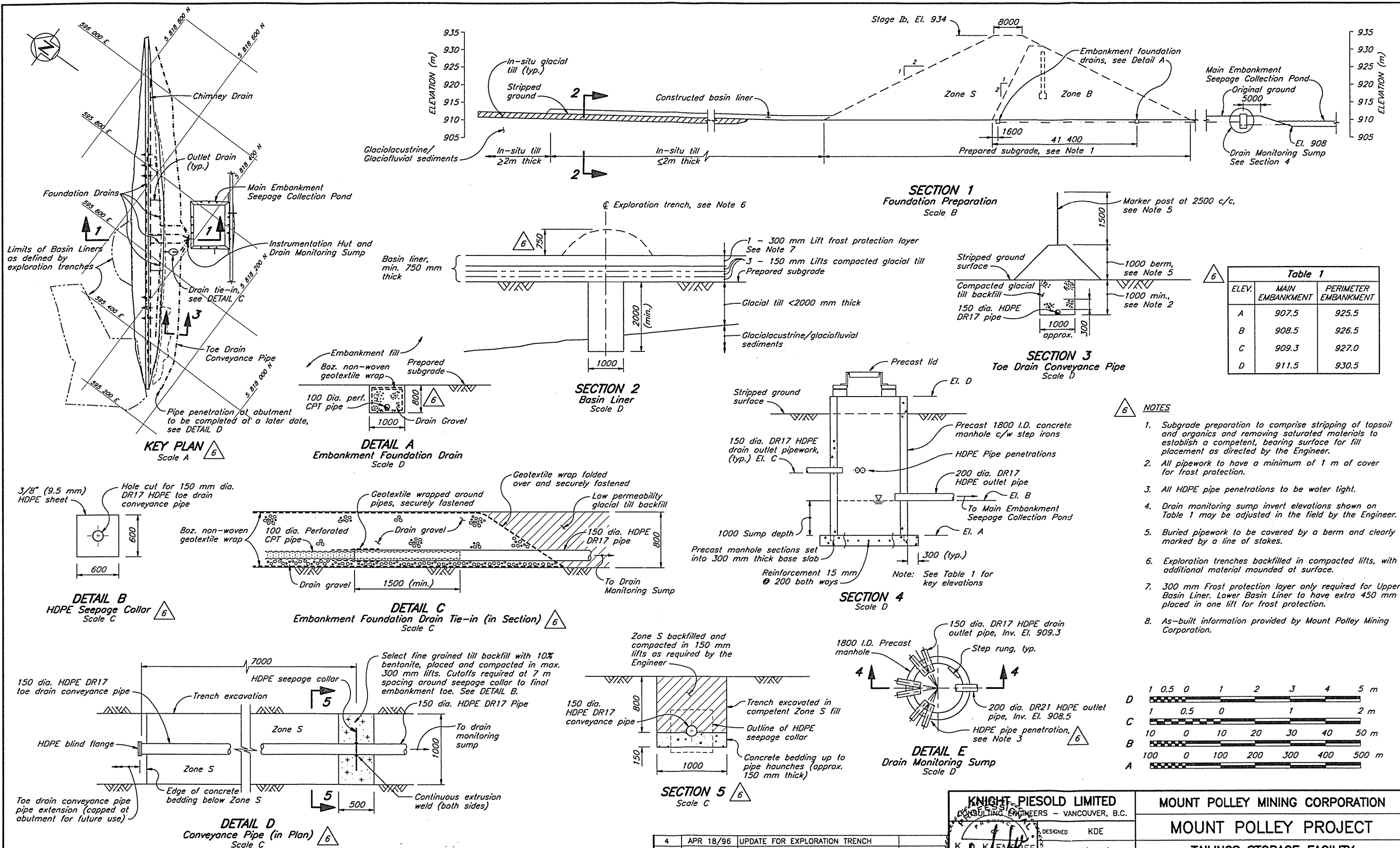
DRG. NO.	DESCRIPTION
1625.205	TSF - STAGE 1b IMPOUNDMENT - GENERAL ARRANGEMENT

REV.	DATE	DESCRIPTION	APPROVED
6	MAY 30/97	AS-BUILT LINERS, EMBANKMENTS, PONDS, AND BARGE CHANNEL	KJB
5	MAY 24/96	ISSUED FOR CONSTRUCTION	
4	APR 11/96	RE-ISSUED FOR TENDER	

REV.	DATE	DESCRIPTION	APPROVED
3	APRIL 1/96	NOTE 4 AND STRIPPING LIMITS	
2	MAR 25/96	UPDATE ROADS & DRAINAGE	
1	JULY 27/95	NOTE 4 AND STRIPPING LIMITS	
0	JUNE 2/95	ISSUED FOR TENDER	

KNIGHT PIESOLD LIMITED	
CONSULTING ENGINEERS - VANCOUVER, B.C.	
DESIGNED	KDE
DRAWN	RDT
CHECKED	KJB
APPROVED	KJB

MOUNT POLLEY MINING CORPORATION	
MOUNT POLLEY PROJECT	
TAILINGS STORAGE FACILITY	
BASIN PREPARATION	
AND BASIN LINER	



1625.210	TAILINGS STORAGE FACILITY - MAIN & PERIMETER EMBANKMENTS - PLAN
1625.207	TAILINGS STORAGE FACILITY - TAILINGS DAM CHIMNEY DRAIN
1625.111	TAILINGS STORAGE FACILITY - TAILINGS EMBANKMENT - SECTIONS & DETAILS
DRG. NO.	DESCRIPTION

6	MAY 30/97	AS-BUILT EMBANK., REVISED DRAIN DETAILS	KJB
5	MAY 24/96	ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED

4	APR 18/96	UPDATE FOR EXPLORATION TRENCH	
3	MAR 25/96	UPDATE DRAINAGE & SEEPAGE COLLAR	
2	JAN 18/96	REVISIONS FOR REVIEW COMMENTS	
1	JULY 15/95	FROST LAYER REVISED AND NOTE 9 ADDED	
0	JUNE 2/95	ISSUED FOR TENDER	
REV.	DATE	DESCRIPTION	APPROVED

KNIGHT-PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

K. D. KENNEDY
ENGINEER

DESIGNED KDE
DRAWN RDT/WAL/NSD
CHECKED KJB
APPROVED KJB

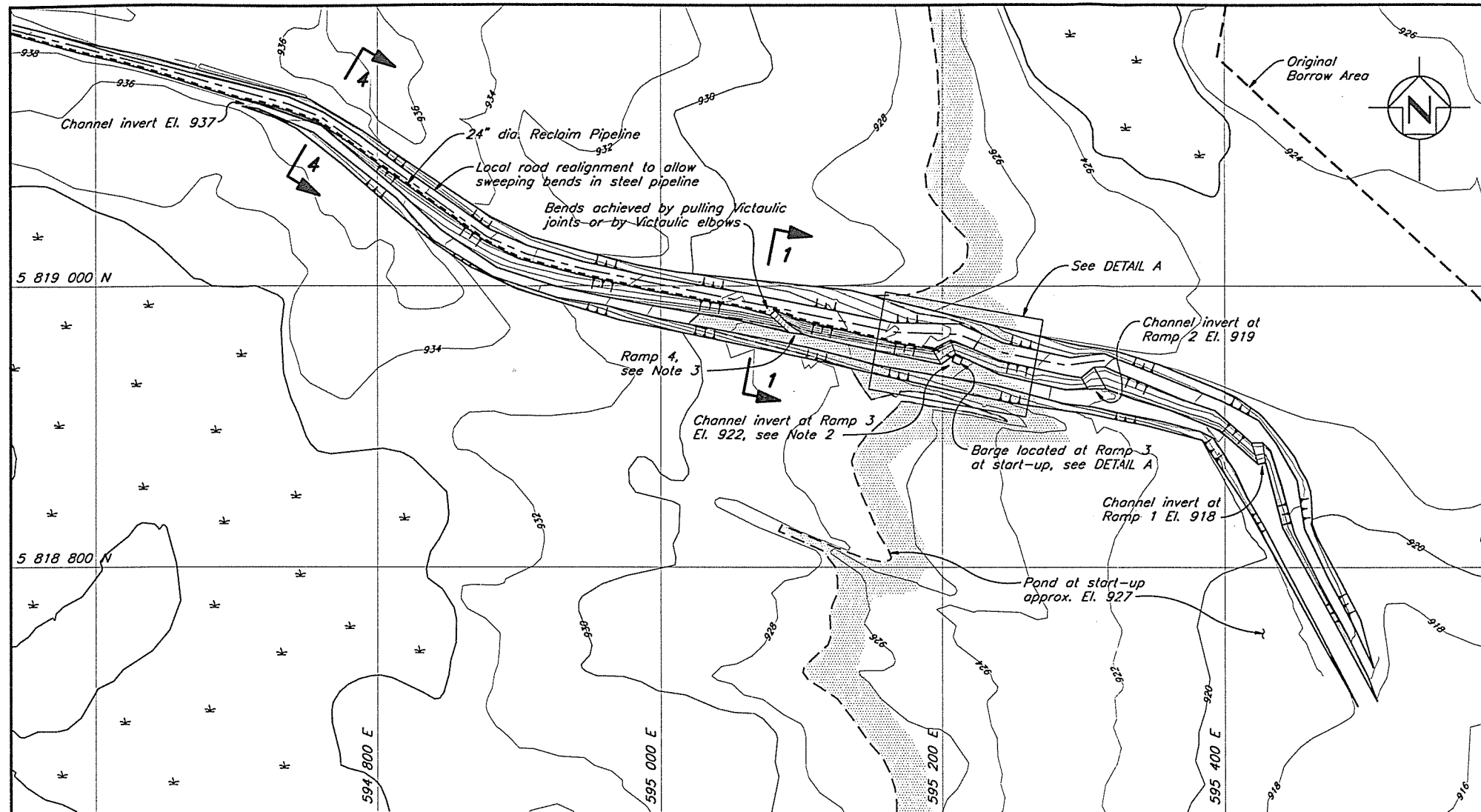
DATE **JUNE 2, 1995** SCALE AS SHOWN DRG. NO. **510-15-01-1625.202** REV. **6**

MOUNT POLLEY MINING CORPORATION

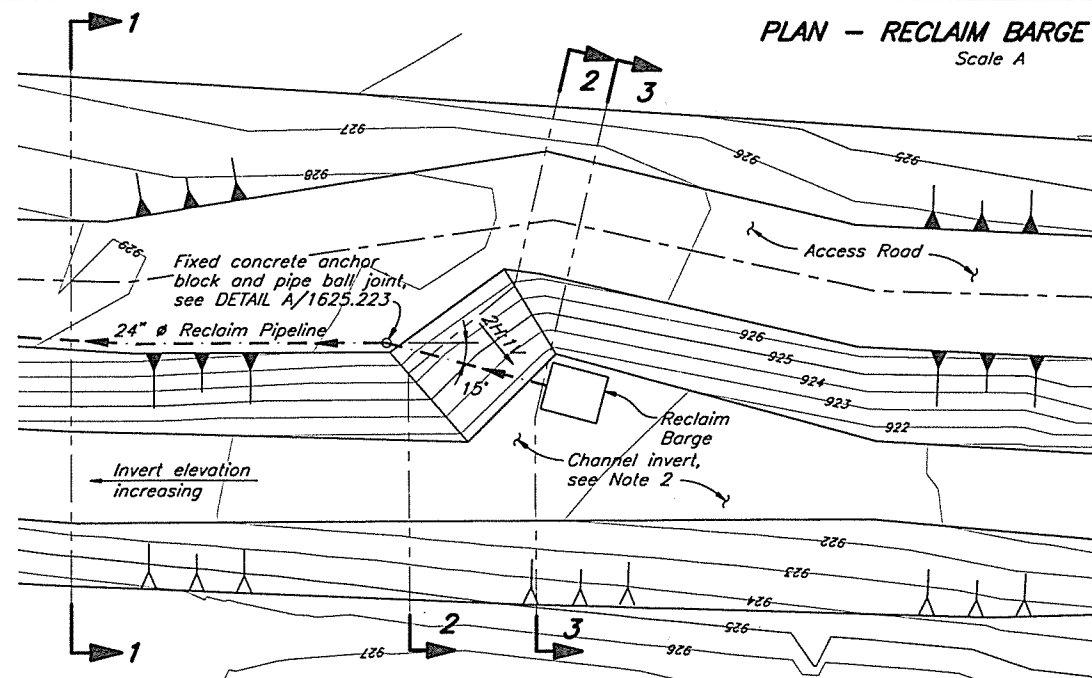
MOUNT POLLEY PROJECT

**TAILINGS STORAGE FACILITY
FOUNDATION PREPARATION AND
BASIN LINER
SECTION AND DETAILS**

C:\01 FILES\1625\202\020 - 1:50000 PLOT 1-5 MAY 30, 1997



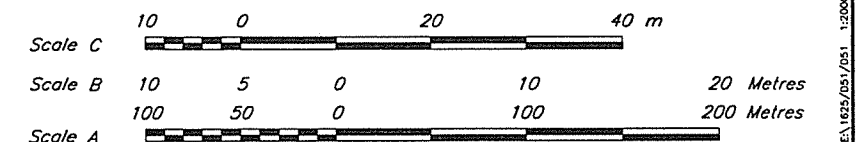
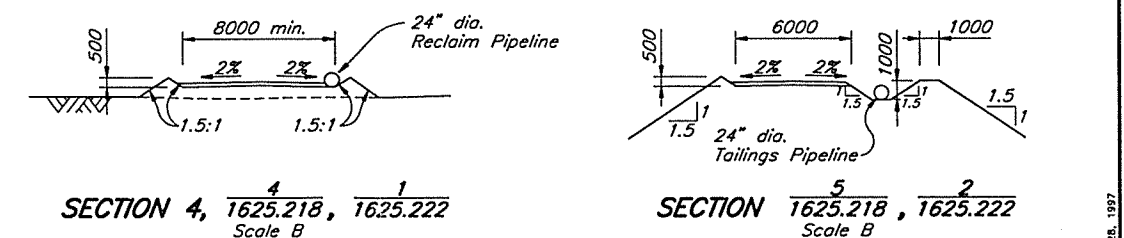
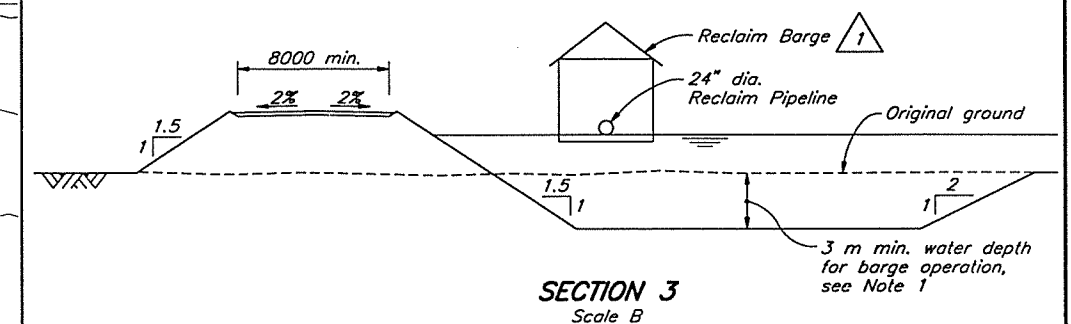
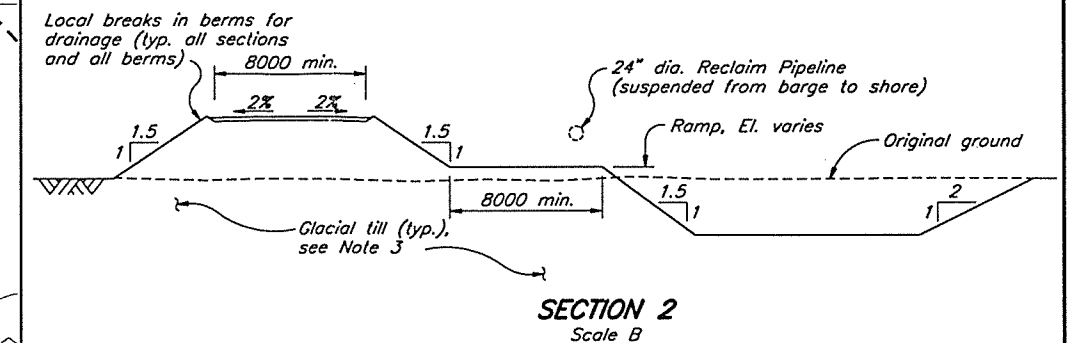
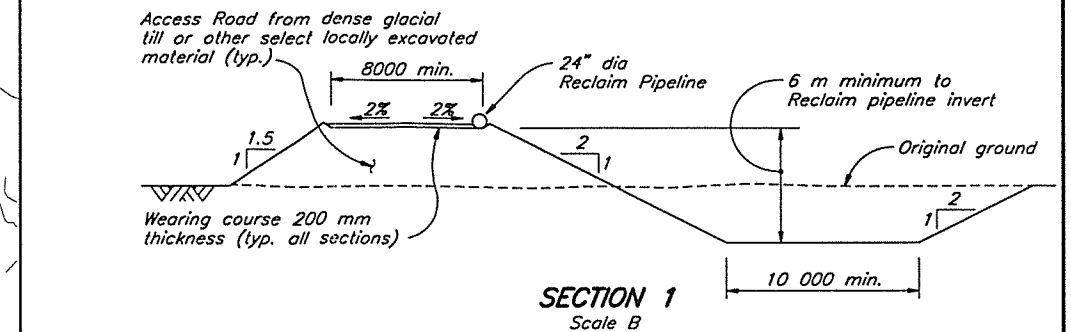
PLAN - RECLAIM BARGE CHANNEL
Scale A



DETAIL A
BARGE ACCESS RAMP
Scale C

NOTES

- Barge requires a minimum water depth of 3 m for operation and can operate over a 3 m range (see Drg. No. 1625.223).
- Pond level at start-up approx. El. 927, with initial access road and ball joint at El. 928 and channel invert at El. 922 or lower.
- Additional access ramps to be added as required at 3 m elevation increments. If the initial ramp is moved down channel from the assumed start-up location, additional reclaim pipe will be required.
- Compacted glacial till placed along the barge channel excavation when higher permeability soils encountered (to meet basin liner requirements), as directed by the Engineer.
- As-built information provided by Mount Polley Mining Corporation.
- Topography has not been updated for 1997 Flyover.
- Pipeline alignments to be updated based on as-built survey.



1625.223	TSF - RECLAIM PIPELINE DETAILS
1625.222	TSF - TAILINGS IMPOUNDMENT - TAILINGS & RECLAIM PIPEWORK - PLAN
1625.218	TSF - TAILINGS DISTRIBUTION & RECLAIM SYSTEM - PLAN
DRG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

1	MAY 30/97	AS-BUILT RECLAIM BARGE CHANNEL	KIB
0	JULY 15/96	ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

KNIGHT PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED HPD
DRAWN NSD
CHECKED KWE
APPROVED KIB

DATE **JULY 15, 1996**

MOUNT POLLEY MINING CORPORATION

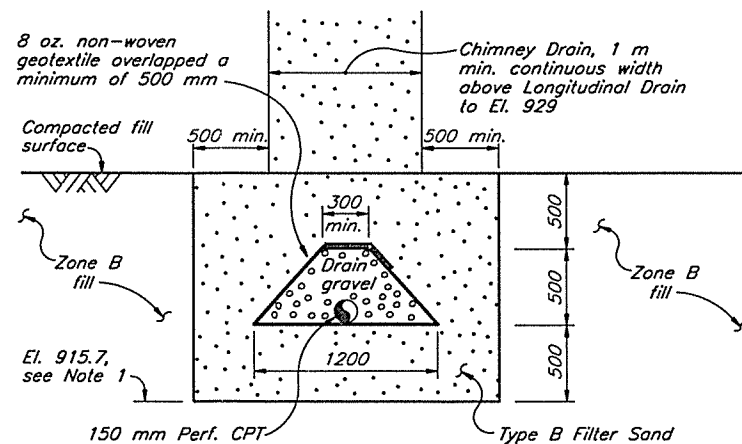
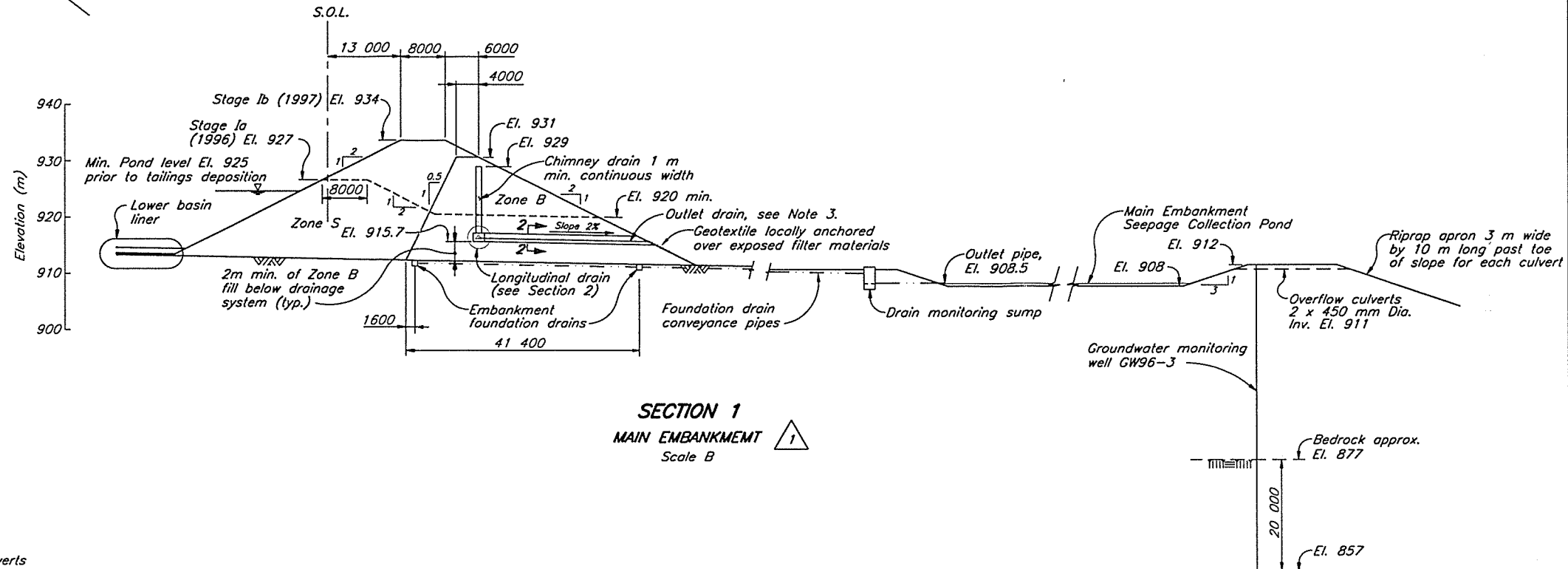
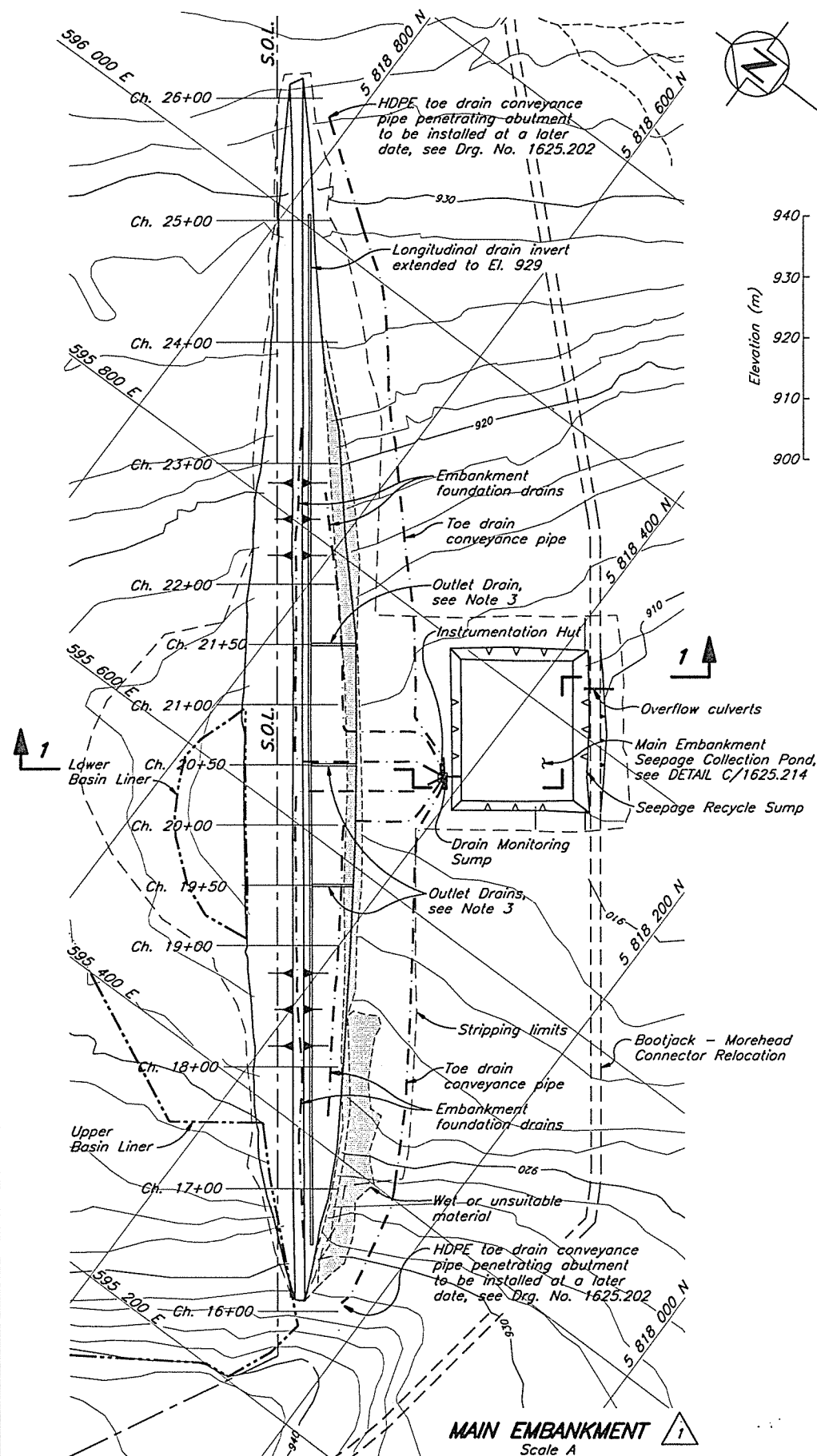
MOUNT POLLEY PROJECT

**TAILINGS STORAGE FACILITY
RECLAIM BARGE CHANNEL
EXCAVATION DETAILS**

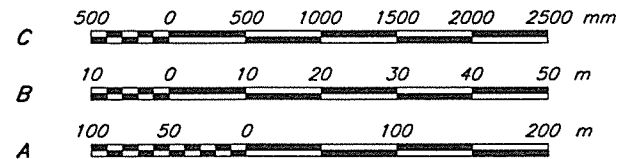
SCALE AS SHOWN

DRG. NO. **1625.206**

REV. **1**



- NOTES**
1. Longitudinal drain installed with invert El. 915.7 m approx. Ch. 18+50 to 23+00. On the right abutment, (Ch. 16+00 to 18+50) it was installed to invert El. 929 m in placed and compacted Zone B fill. On the left abutment (Ch. 23+00 to 25+25) it was installed in original ground, following the prepared ground surface.
 2. HDPE toe drain conveyance pipe to be installed at later date. To be bedded with concrete as shown on Drg. No. 1625.202.
 3. Outlet drains to be extended to Drain Monitoring Sumps during Stage II construction.
 4. As-built information provided by Mount Polley Mining Corporation.
 5. Topography has not been updated for 1997 Flyover.



1625.214	TSF - SEDIMENT CONTROL & SEEPAGE COLLECTION - SECTIONS & DETAILS
1625.202	TSF - FOUNDATION PREPARATION & BASIN LINER
DRG. NO.	DESCRIPTION

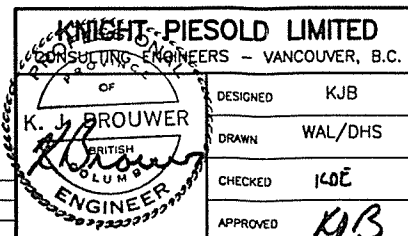
REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	APPROVED
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REVISIONS

1	MAY 30/97	AS-BUILT EMBANKMENT AND POND	KJB
0	SEPT 4/96	ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED

REVISIONS



DESIGNED	KJB
DRAWN	WAL/DHS
CHECKED	KJB
APPROVED	KJB

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

TAILINGS STORAGE FACILITY
TAILINGS DAM CHIMNEY DRAIN

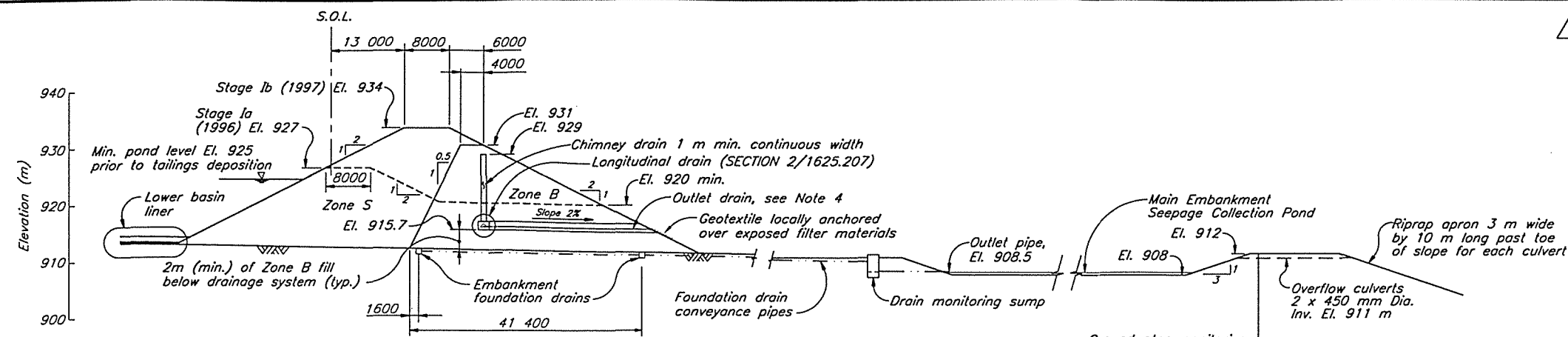
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SCALE AS SHOWN

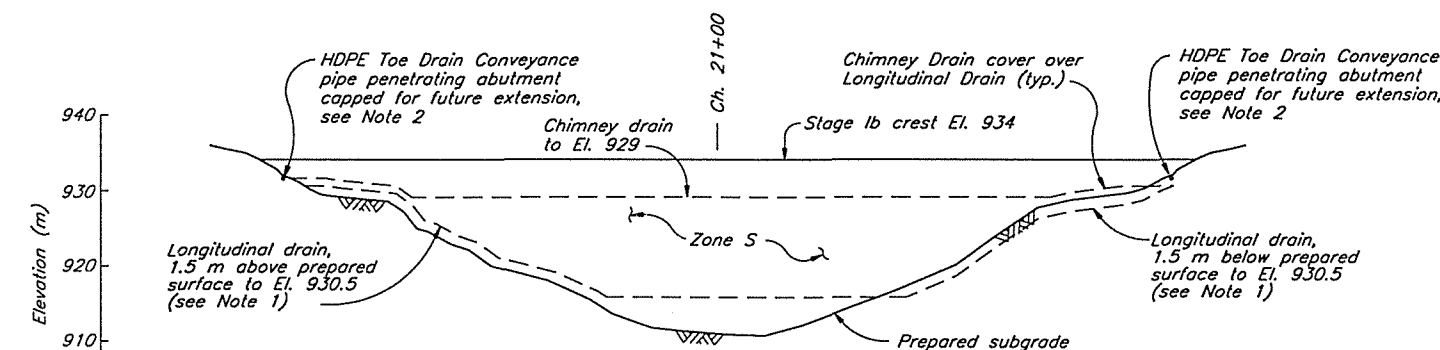
DRG. NO.

1625.207

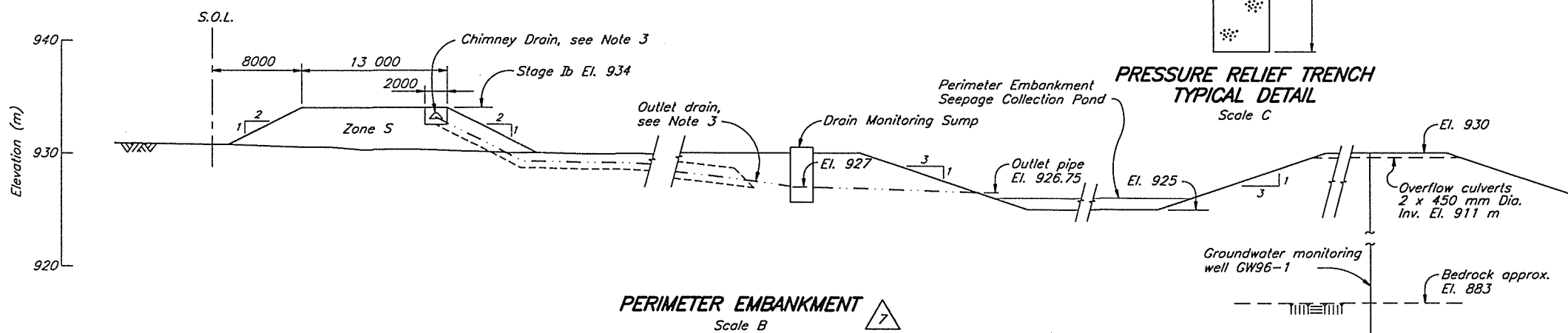
REV. 1



MAIN EMBANKMENT
Scale A

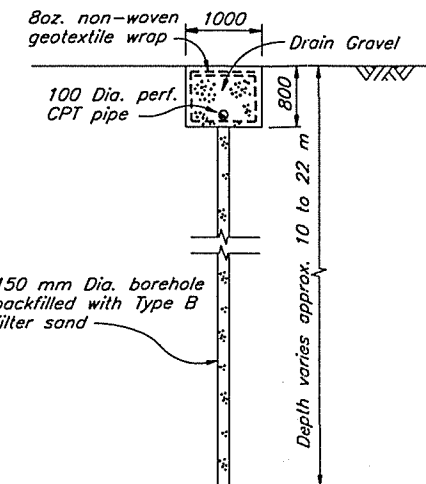


LONGITUDINAL SECTION OF MAIN EMBANKMENT
(Looking Downstream)
N.T.S.



PERIMETER EMBANKMENT
Scale B

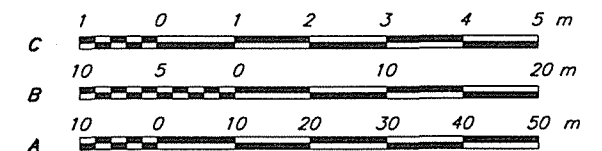
PRESSURE RELIEF TRENCH
TYPICAL DETAIL
Scale C



PRESSURE RELIEF WELL
TYPICAL DETAIL
Scale C

NOTES

1. Longitudinal drain installed with invert El. 915.7 m approx. Ch. 18+50 to 23+00. On the right abutment, (Ch. 16+00 to 18+50) it was installed to invert El. 929 m in placed and compacted Zone B fill. On the left abutment (Ch. 23+00 to 25+25) it was installed in original ground, following the prepared ground surface.
2. HDPE toe drain conveyance pipes for Main Embankment to be installed at a later date. Details shown on Drg. No. 1625.202.
3. Chimney drain, longitudinal drain and Outlet drains for Perimeter Embankment to be installed during Staged II Construction.
4. Outlet drains to be extended to Drain Monitoring Sumps during Stage II construction.
5. Fill placement rates to be modified by the Engineer if excess pore pressures monitored in fill or foundation piezometers.
6. Groundwater monitoring wells to be installed by others.
7. As Built Information provided by Mount Polley Mining Corporation.



1625.207	TSF - TAILINGS DAM CHIMNEY DRAIN
1625.202	TSF - FOUNDATION PREPARATION & BASIN LINER - SECTIONS & DETAILS
DWG. NO.	DESCRIPTION

7	MAY 30/97	AS-BUILT EMBANKMENTS AND PONDS	KJB
6	SEP 4/96	STAGE Ia ADDED, MODIFIED DRAINAGE DETAIL	
5	MAY 28/96	ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED

4	APR 19/96	EMBANKMENT EROSION PROTECTION	
3	APR 11/96	RE-ISSUED FOR TENDER	
2	APR 1/96	OVERFLOW CULVERTS ADDED	
1	MAR 22/96	UPDATE DRAINAGE	
0	JUNE 2/95	ISSUED FOR TENDER	
REV.	DATE	DESCRIPTION	APPROVED

KNIGHT-PIESOLD LIMITED CONSULTING ENGINEERS - VANCOUVER, B.C.	
DESIGNED	KDE
DRAWN	NAL/VY
CHECKED	KJB
APPROVED	KJB

DATE	JUNE 2, 1995	SCALE	AS SHOWN	DRG. NO.	510-14-02-1625.211	REV.	7
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MOUNT POLLEY MINING CORPORATION

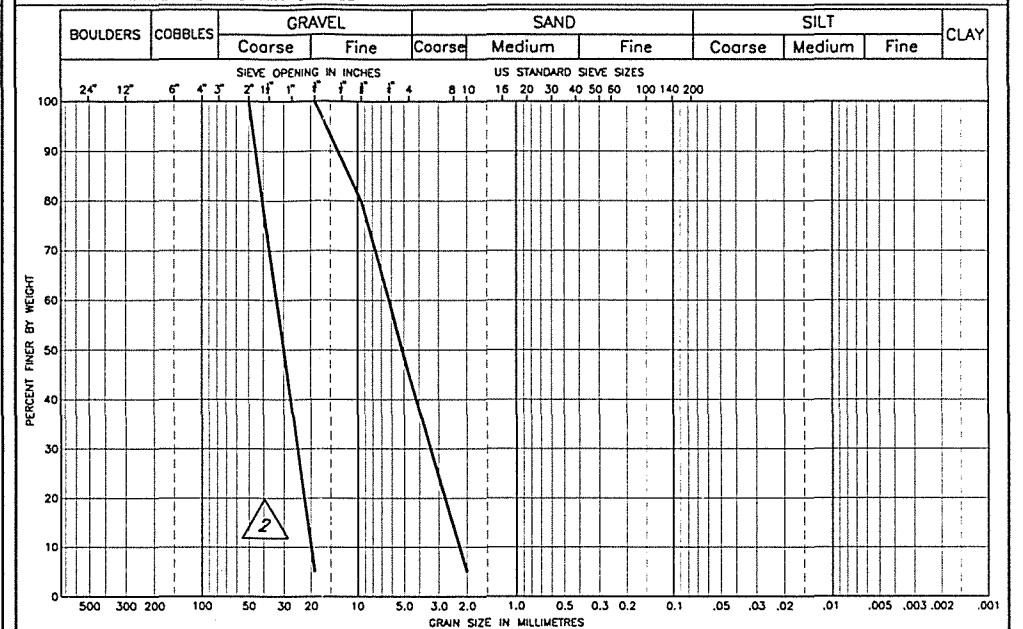
MOUNT POLLEY PROJECT

TAILINGS STORAGE FACILITY
TAILINGS EMBANKMENT
SECTIONS AND DETAILS

UNIFIED SOIL CLASSIFICATION SYSTEM

PROJECT: ZONE - PIPE SURROUND

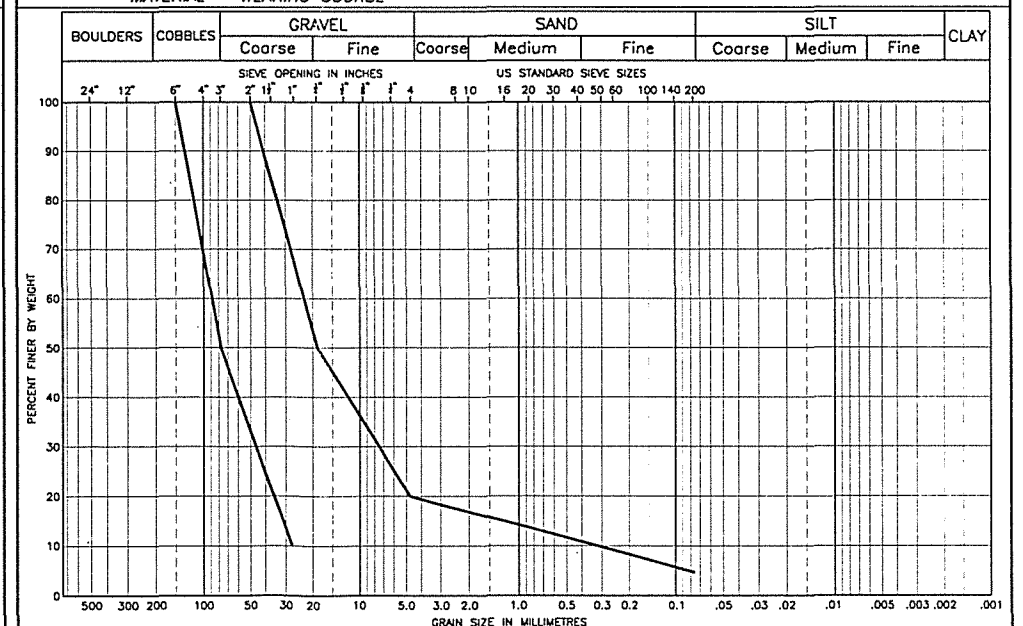
MATERIAL - DRAIN GRAVEL



UNIFIED SOIL CLASSIFICATION SYSTEM

PROJECT: ZONE - ROAD SURFACING

MATERIAL - WEARING COURSE



2. For Filter sand, the portion passing the No. 40 sieve must have a plasticity index (PI) of zero.

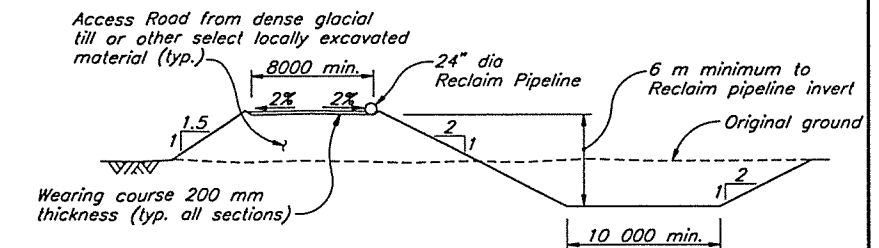
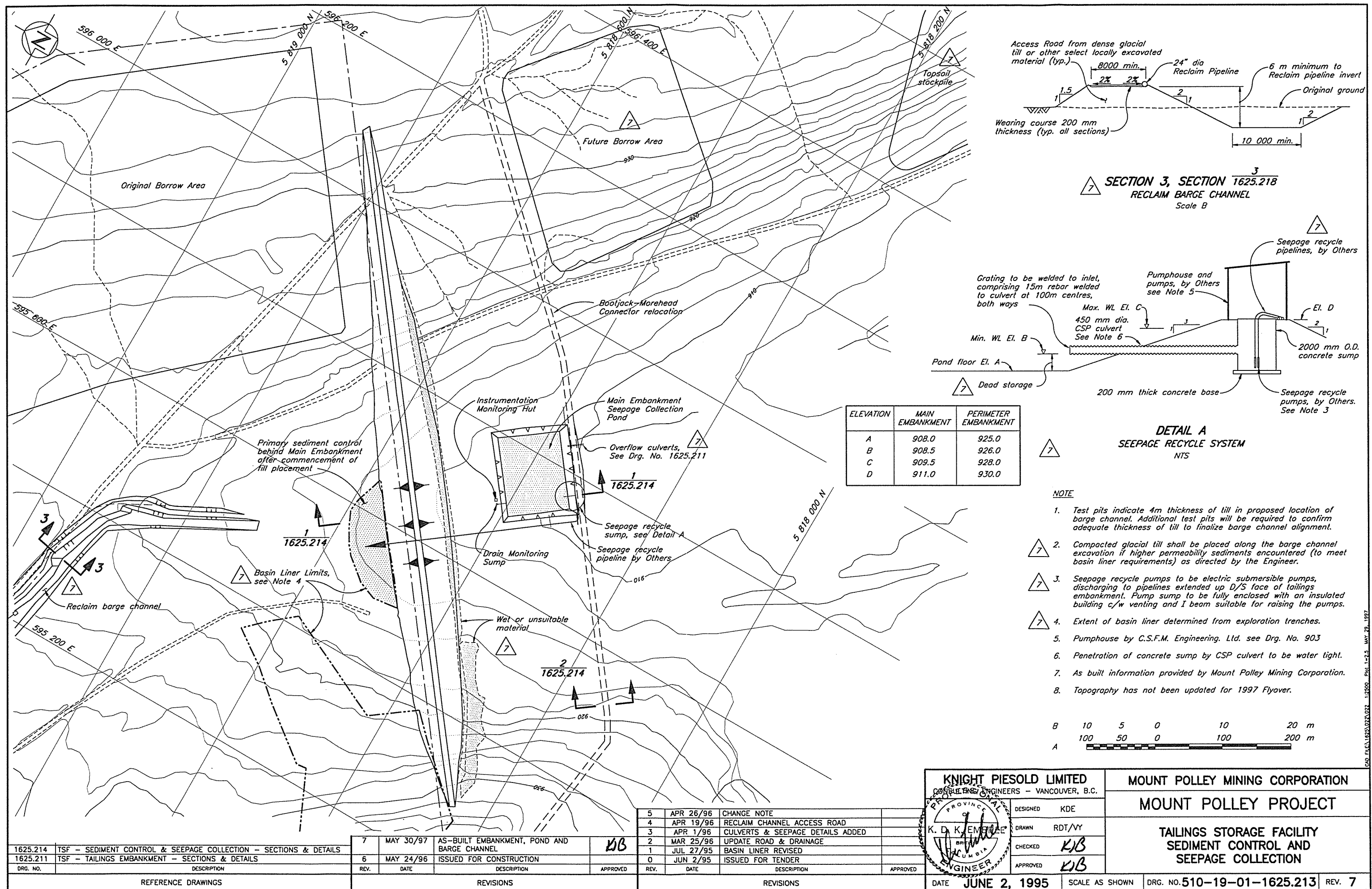
KNIGHT-PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

OFFICE OF
K. D. K. EMBREE
BRITISH COLUMBIA
ENGINEER

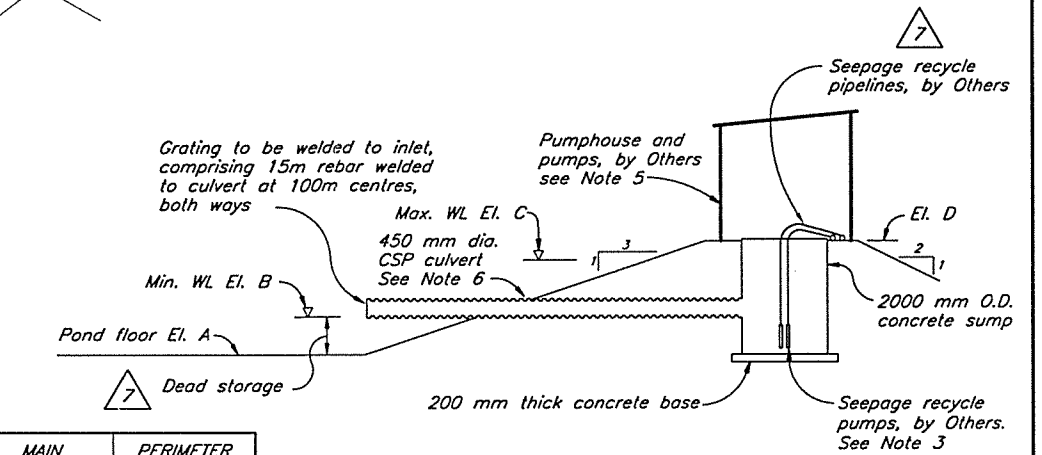
DESIGNED KDE
DRAWN RDT
CHECKED KJB
APPROVED KJB

TAILINGS STORAGE FACILITY MATERIAL SPECIFICATIONS

EV. 2



SECTION 3, SECTION 1625.218
RECLAIM BARGE CHANNEL
 Scale B



ELEVATION	MAIN EMBANKMENT	PERIMETER EMBANKMENT
A	908.0	925.0
B	908.5	926.0
C	909.5	928.0
D	911.0	930.0

DETAIL A
SEEPAGE RECYCLE SYSTEM
 NTS

NOTE

1. Test pits indicate 4m thickness of till in proposed location of barge channel. Additional test pits will be required to confirm adequate thickness of till to finalize barge channel alignment.
2. Compacted glacial till shall be placed along the barge channel excavation if higher permeability sediments encountered (to meet basin liner requirements) as directed by the Engineer.
3. Seepage recycle pumps to be electric submersible pumps, discharging to pipelines extended up D/S face of tailings embankment. Pump sump to be fully enclosed with an insulated building c/w venting and I beam suitable for raising the pumps.
4. Extent of basin liner determined from exploration trenches.
5. Pump house by C.S.F.M. Engineering, Ltd. see Drg. No. 903
6. Penetration of concrete sump by CSP culvert to be water tight.
7. As built information provided by Mount Polley Mining Corporation.
8. Topography has not been updated for 1997 Flyover.



1625.214	TSF - SEDIMENT CONTROL & SEEPAGE COLLECTION - SECTIONS & DETAILS	7	MAY 30/97	AS-BUILT EMBANKMENT, POND AND BARGE CHANNEL	KB
1625.211	TSF - TAILINGS EMBANKMENT - SECTIONS & DETAILS	6	MAY 24/96	ISSUED FOR CONSTRUCTION	
DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED
REFERENCE DRAWINGS		REVISIONS			

5	APR 26/96	CHANGE NOTE	
4	APR 19/96	RECLAIM CHANNEL ACCESS ROAD	
3	APR 1/96	CULVERTS & SEEPAGE DETAILS ADDED	
2	MAR 25/96	UPDATE ROAD & DRAINAGE	
1	JUL 27/95	BASIN LINER REVISED	
0	JUN 2/95	ISSUED FOR TENDER	
REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

KNIGHT PIESOLD LIMITED
 CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED KDE
 DRAWN RDT/VY
 CHECKED KB
 APPROVED KB

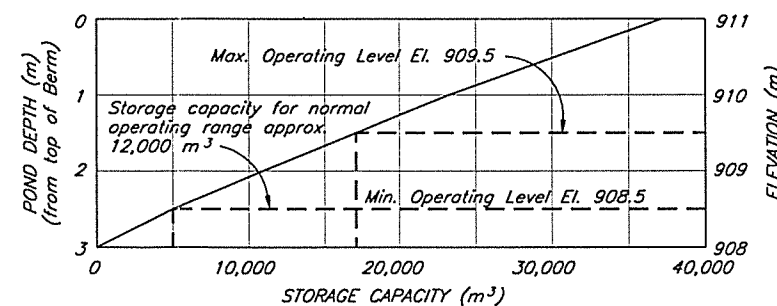
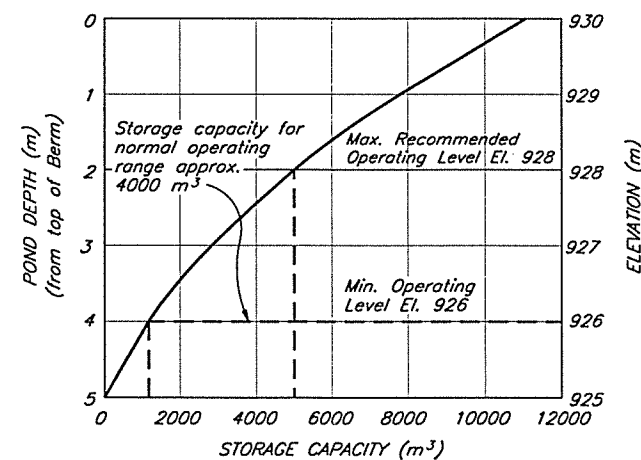
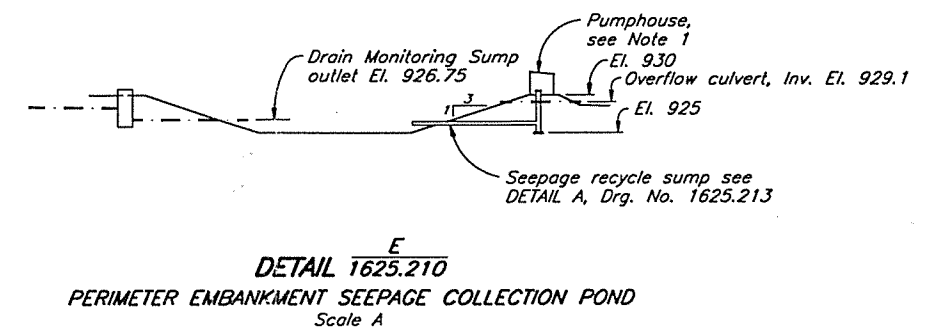
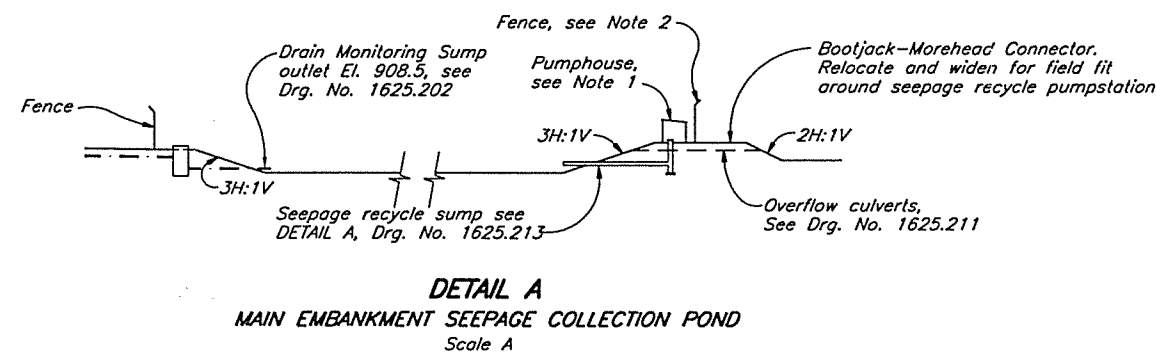
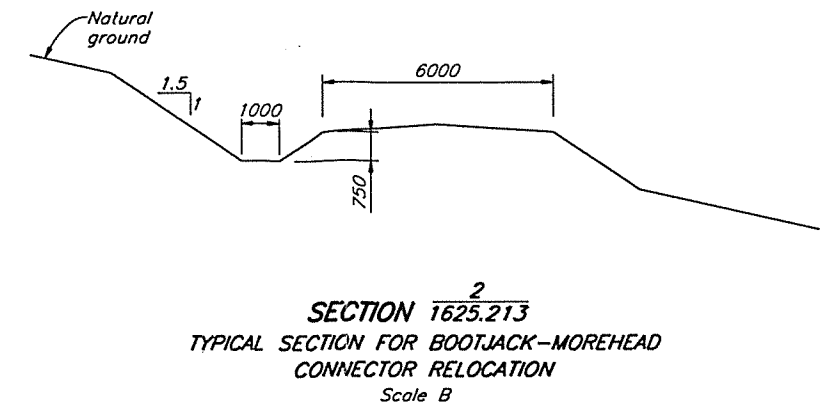
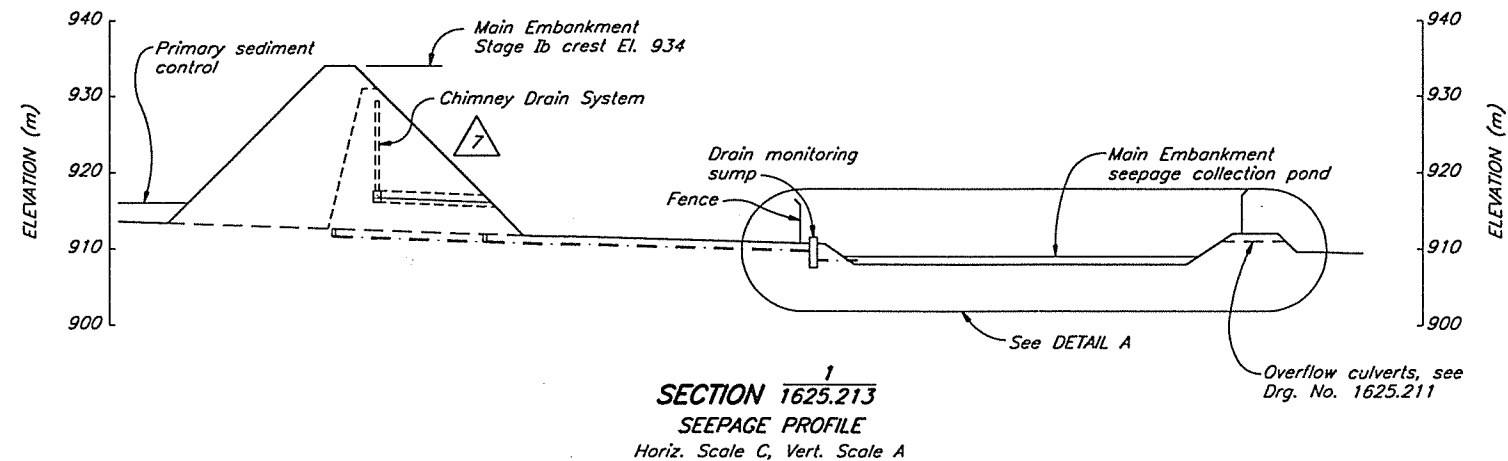
DATE **JUNE 2, 1995**

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

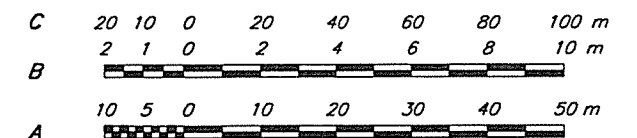
**TAILINGS STORAGE FACILITY
 SEDIMENT CONTROL AND
 SEEPAGE COLLECTION**

SCALE AS SHOWN
 DRG. NO. 510-19-01-1625.213
 REV. 7



NOTES

1. Pumphouse by C.S.F.M. Engineering Ltd. see Drg. No. 903
2. Fence to be six feet high, chain link with 2 inch galvanized posts and two six foot wide access gates. Not yet installed (May 27, 1997)
3. As-built information provided by Mount Polley Mining Corporation.



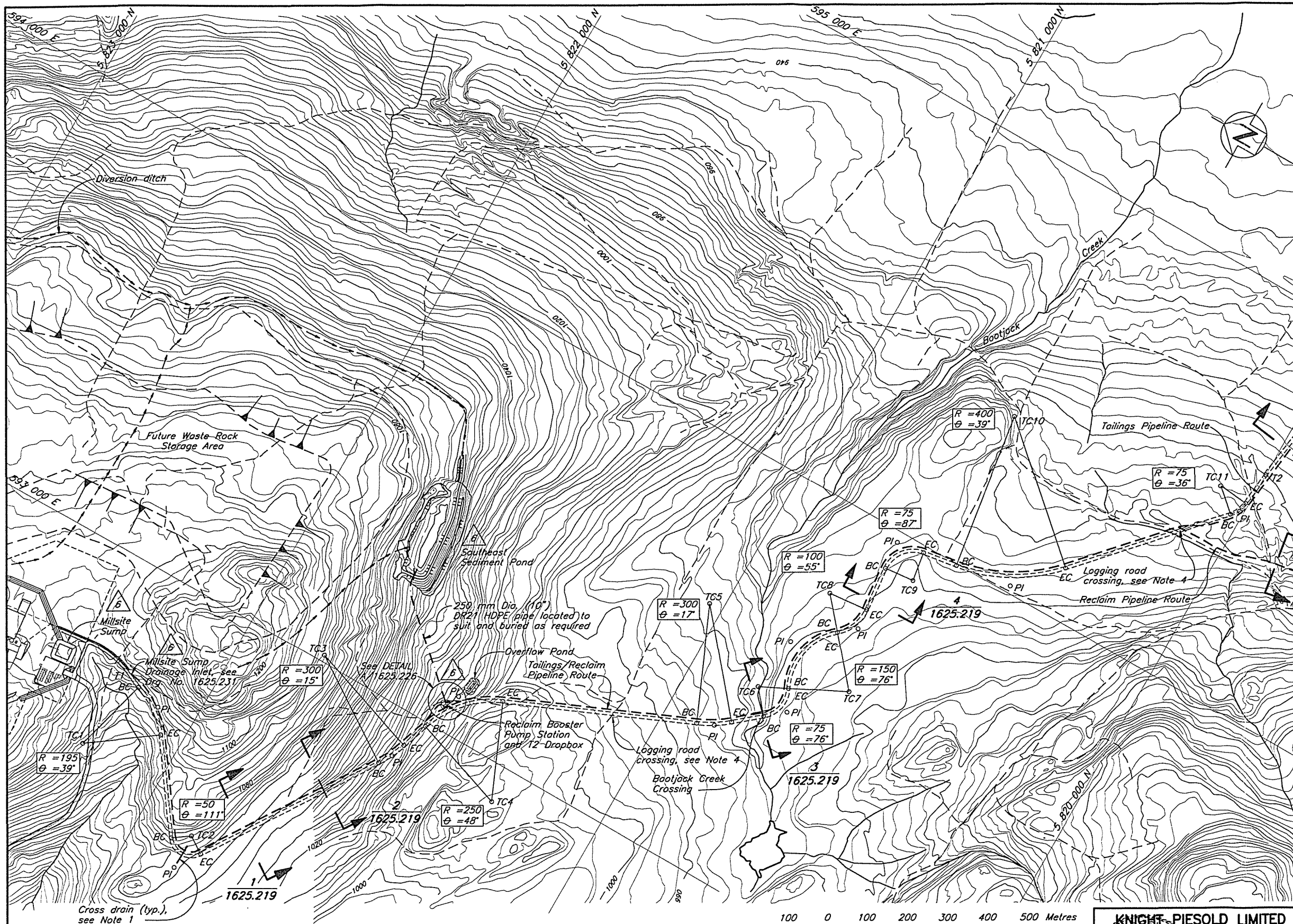
1625.213	TSF - SEDIMENT CONTROL AND SEEPAGE COLLECTION
1625.211	TSF - TAILINGS EMBANKMENT - SECTIONS AND DETAILS
1625.210	TSF - MAIN AND PERIMETER EMBANKMENTS - PLAN
1625.202	TSF - FOUNDATION PREPARATION & BASIN LINER - SECTIONS & DETAILS
DRG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

7	MAY 30/97	AS-BUILT PONDS	KJB
6	JUN 6/96	FENCE NOTE ADDED	
5	MAY 24/96	RE-ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

4	APR 1/96	OVERFLOW CULVERTS ADDED	
3	MAR 22/96	UPDATE DRAINAGE AND ROAD	
2	SEPT. 5/95	ISSUED FOR CONSTRUCTION	
1	JULY 27/95	RIPRAP APRON ADDED	
0	JUNE 2/95	ISSUED FOR TENDER	
REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

KNIGHT PIESOLD LIMITED	
CONSULTING ENGINEERS - VANCOUVER, B.C.	
DESIGNED	KDE
DRAWN	VY/NSD
CHECKED	KJB
APPROVED	KJB
DATE	JUNE 2, 1995

MOUNT POLLEY MINING CORPORATION	
MOUNT POLLEY PROJECT	
TAILINGS STORAGE FACILITY SEDIMENT CONTROL AND SEEPAGE COLLECTION - SECTIONS AND DETAILS	
SCALE AS SHOWN	DRG. NO. 510-19-02-1625.214
REV. 7	



SETTING OUT POINTS (Note 8)		
Point	Northing	Easting
T1	Field locate	Field locate
TC1	5 822 212.426	592 528.348
BC	5 822 161.106	592 716.473
EC	5 822 054.012	592 642.057
PI	5 822 094.357	592 698.264
TC2	5 821 864.147	592 463.292
BC	5 821 904.766	592 434.135
EC	5 821 822.231	592 436.033
PI	5 821 862.111	592 374.711
TC3	5 821 802.714	593 016.314
BC	5 821 551.219	592 852.758
EC	5 821 517.947	592 921.933
PI	5 821 530.122	592 885.200
TC4	5 821 258.152	592 911.135
BC	5 821 495.458	592 989.786
EC	5 821 357.902	593 140.373
PI	5 821 460.320	593 095.808
TC5	5 821 034.980	593 608.059
BC	5 820 915.281	593 332.973
EC	5 820 841.176	593 379.061
PI	5 820 874.841	593 350.570
TC6	5 820 828.199	593 488.298
BC	5 820 779.748	593 431.048
EC	5 820 761.122	593 521.849
PI	5 820 734.752	593 469.130
TC7	5 820 626.968	593 588.951
BC	5 820 761.122	593 521.849
EC	5 820 724.705	593 702.739
PI	5 820 813.467	593 626.498
TC8	5 820 789.863	593 778.597
BC	5 820 724.705	593 702.739
EC	5 820 690.352	593 788.480
PI	5 820 685.206	593 736.666
TC9	5 820 626.991	593 909.389
BC	5 820 701.624	593 901.976
EC	5 820 638.300	593 983.531
PI	5 820 708.658	593 972.800
TC10	5 820 612.021	594 392.165
BC	5 820 551.708	593 996.739
EC	5 820 314.310	594 125.018
PI	5 820 410.028	594 018.349
TC11	5 820 083.239	594 494.822
BC	5 820 027.418	594 444.732
EC	5 820 008.600	594 487.469
PI	5 820 011.009	594 463.018

NOTES

1. Final location of cross drain culverts to be determined in the field.
2. Final location of Bootjack Creek crossing to be determined in the field.
3. Setting out points for roadway are to be adjusted in the field to achieve a cut/fill balance to the greatest extent possible and to avoid oversteep grades or low spots in pipeline.
4. Pipelines under logging roads to be sleeved in 900mm ϕ x 2 mm minimum wall CSP culverts with 500 mm minimum depth of cover. Backfill to be well graded and compacted sand and gravel.
5. Profiles and quantities on Drg. No. 1625.228.
6. Millsite sump drainage inlet to be installed before start-up.
7. As-built information provided by Mount Polley Mining Corporation.
8. Topography not updated for 1997 Flyover.
9. Pipeline alignment to be updated based on as-built survey.

1625.231	DRAINAGE PLAN - MILL SITE
1625.228	TSF - TAILINGS DISTRIBUTION AND RECLAIM SYSTEM - PROFILES
1625.226	TSF - RECLAIM BOOSTER PUMP STATION AREA - GENERAL ARRANGEMENT
1625.222	TSF - TAILINGS IMPOUNDMENT - TAILINGS AND RECLAIM PIPEWORK PLAN
1625.219	TSF - TAILINGS DISTRIBUTION & RECLAIM SYSTEM - SECTIONS & DETAILS
1625.206	TSF - RECLAIM BARGE CHANNEL - EXCAVATION DETAILS

6	MAY 30/97	AS-BUILT SOUTHEAST SEDIMENT POND	KJB
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5	JULY 15/96	PIPELINES RELOCATED, SEE NOTE 5	
4	MAY 24/96	ISSUED FOR CONSTRUCTION	
3	APR 19/95	NOTE ADDED	
2	APR 1/96	MILLSITE AND CONTROL POND REVISED	
1	MAR 25/96	RE-ISSUED FOR TENDER	
0	JUNE 2/95	ISSUED FOR TENDER	

KNIGHT-PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED MBS
DRAWN WY/RTD/NSD
CHECKED KJB
APPROVED KJB

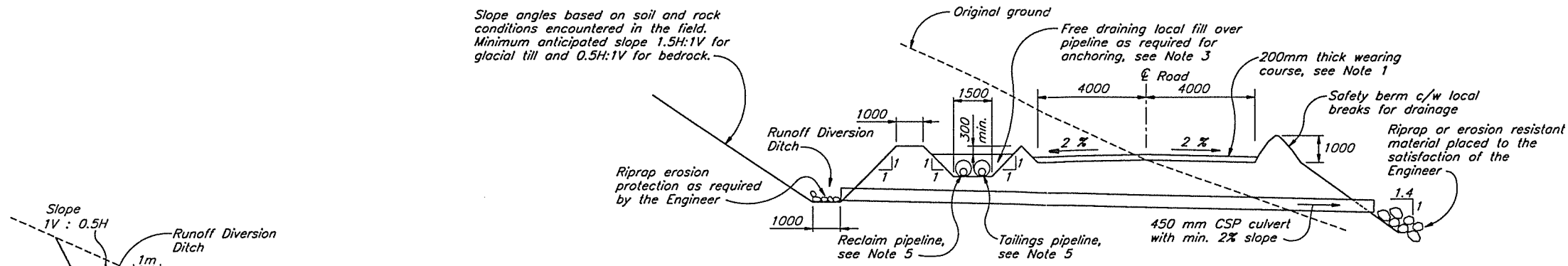
DATE **JUNE 2, 1995**

MOUNT POLLEY MINING CORPORATION

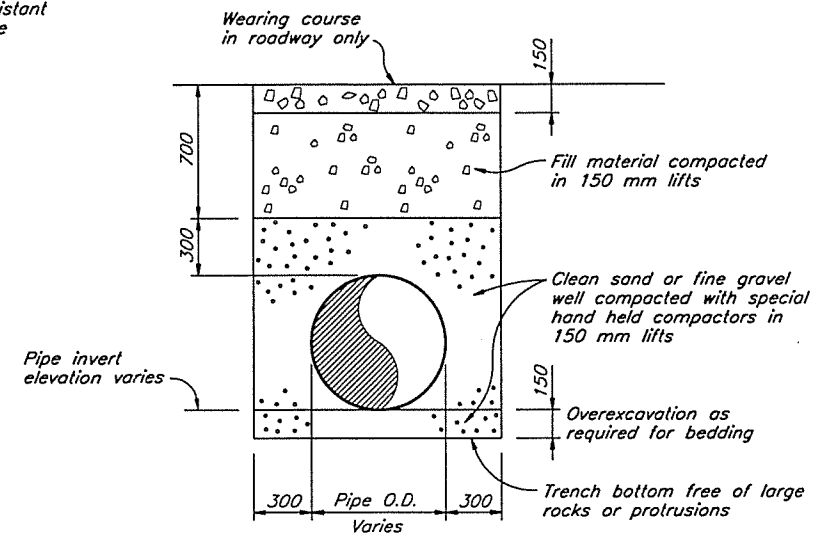
MOUNT POLLEY PROJECT

**TAILINGS STORAGE FACILITY
TAILINGS DISTRIBUTION AND
RECLAIM SYSTEM - PLAN**

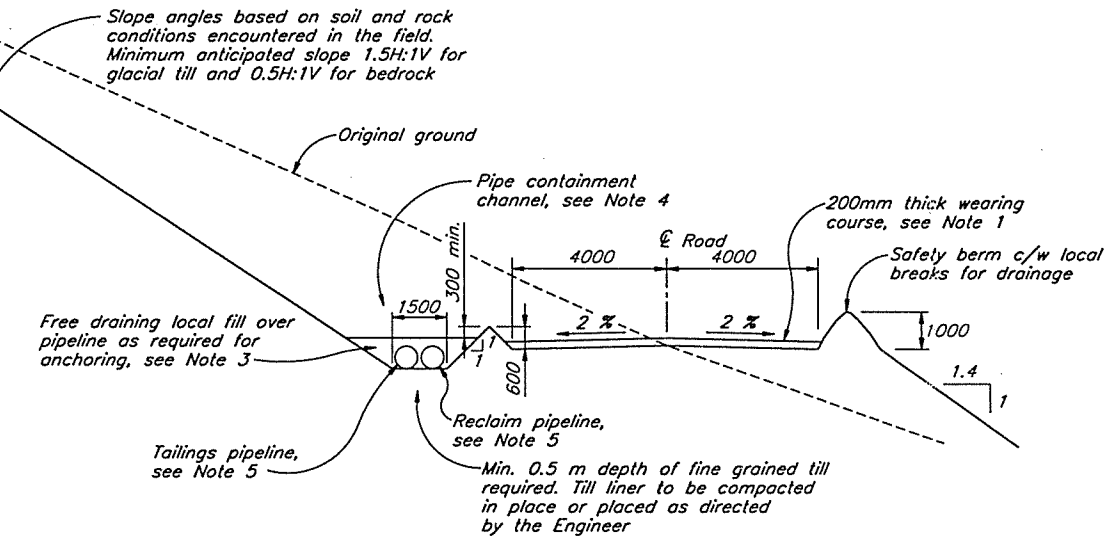
DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED	REV.	DATE	DESCRIPTION	APPROVED	DATE	SCALE	DRG. NO.	REV.
1625.218	REFERENCE DRAWINGS			REVISIONS				REVISIONS		JUNE 2, 1995	AS SHOWN	1625.218	6



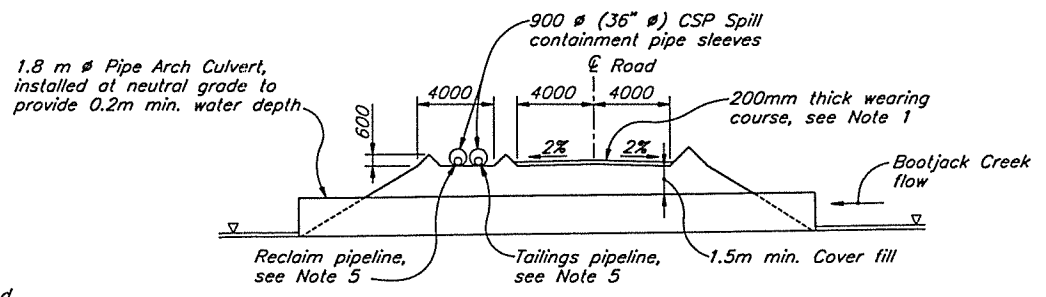
SECTION 1625.218
DIVERSION DITCH AND CROSS-DRAIN CULVERT FOR TAILINGS ACCESS ROAD
 Scale B



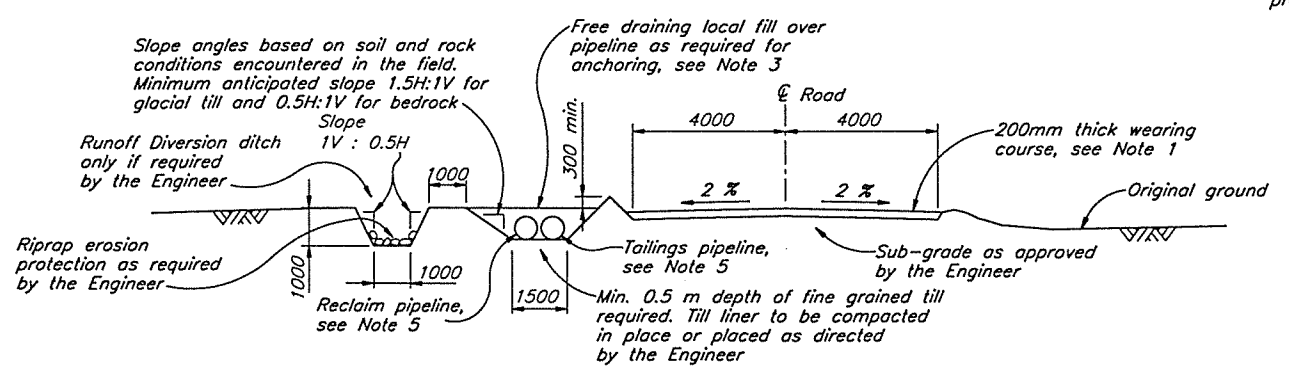
TYPICAL DETAIL FOR BURIED HDPE PIPE
 NTS



SECTION 1625.218, 1625.226
TAILINGS ACCESS ROAD WITH DIVERSION DITCH
 Scale B



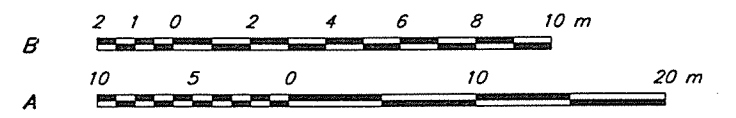
SECTION 1625.218
TAILINGS ACCESS ROAD
BOOTJACK CREEK CROSSING
 Scale A



SECTION 1625.218, 1625.226
TAILINGS ACCESS ROAD WITH DIVERSION DITCH ON FLAT GROUND
 Scale B

NOTES

1. Wearing course required for Tailings Access Road, Reclaim Barge Access Road and Bootjack-Morehead connector relocation only.
2. For crossing under road, tailings and reclaim pipelines to be installed in individual 900 mm (min.) dia. culverts laid under road with 500 mm min. cover. Culverts laid immediately downslope of cross-drain.
3. Spacing of fill for anchoring to be determined in the field by the Engineer. Anchor posts or concrete anchor blocks can be substituted for local fill.
4. Trench width may vary locally to accommodate additional pipelines or structures in the trench.
5. Tailings and reclaim pipelines crossed over immediately up-gradient of T2 Dropbox and where the pipelines split at the Tailings Storage Facility.
6. Runoff Diversion Ditches may require periodic cleaning.
7. Tailings access road design was modified by Mount Polley Mining Corporation. Road cross-section may vary from that shown.



DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED
1625.226	TSF - RECLAIM BOOSTER PUMP STATION AREA - GENERAL ARRANGEMENT	7	MAY 30/97	NOTES UPDATED	KJB
1625.218	TSF - TAILINGS DISTRIBUTION & RECLAIM SYSTEM - PLAN	6	APR. 29/97	TAILINGS ACCESS ROAD WAS NOT BUILT TO THIS DESIGN	

REV.	DATE	DESCRIPTION	APPROVED
5	JULY 15/96	PIPELINES RELOCATED	
4	MAY 28/96	ISSUED FOR CONSTRUCTION	
3	APR 26/96	REVISE DRAINAGE DITCHES	
2	APR 19/96	SECTIONS REVISED	
1	MAR 22/96	RE-ISSUED FOR TENDER	
0	JUNE 2/95	ISSUED FOR TENDER	

KNIGHT-PIESOLD LIMITED
 CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED: MBS/HPD
 DRAWN: VY
 CHECKED: KJB
 APPROVED: KJB

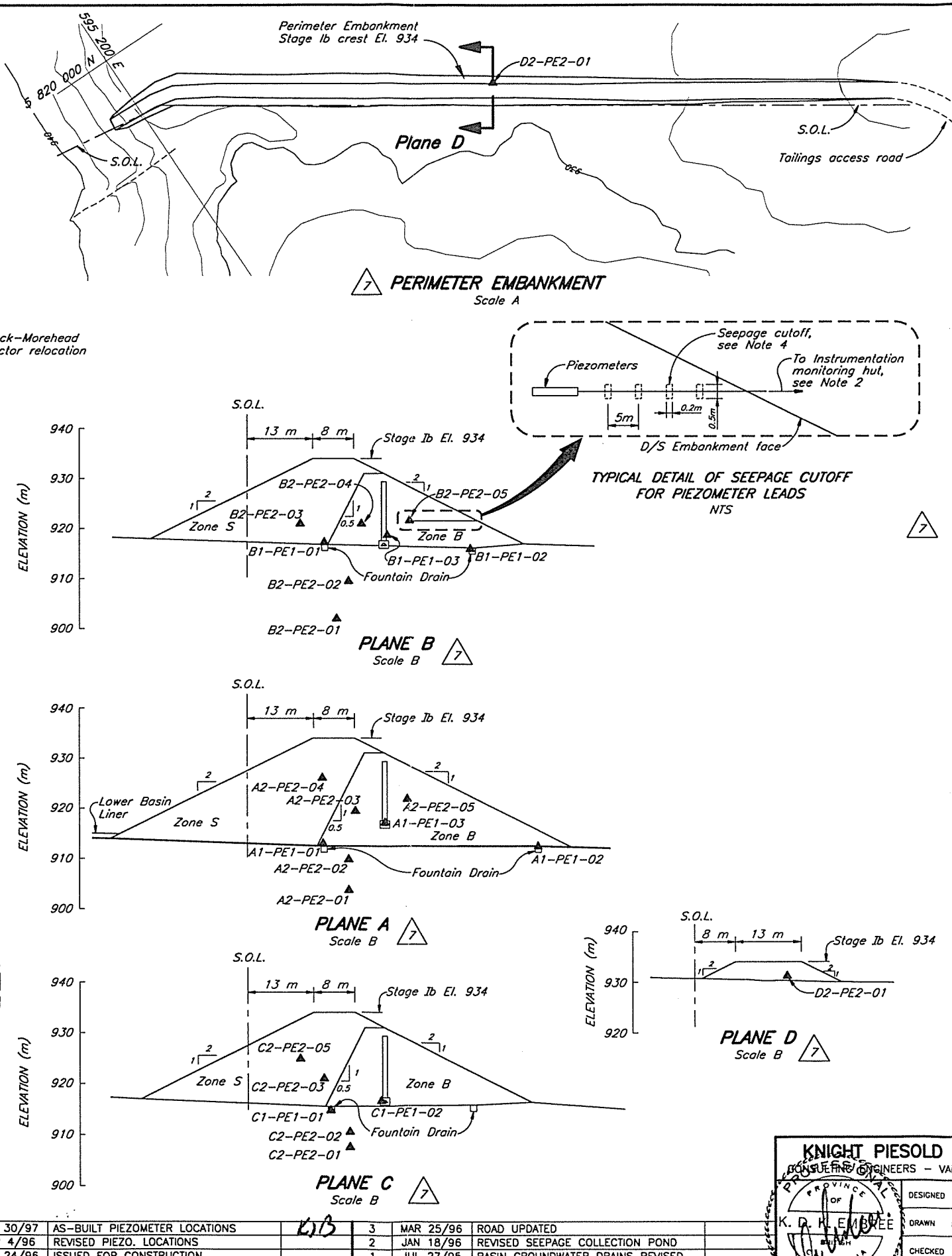
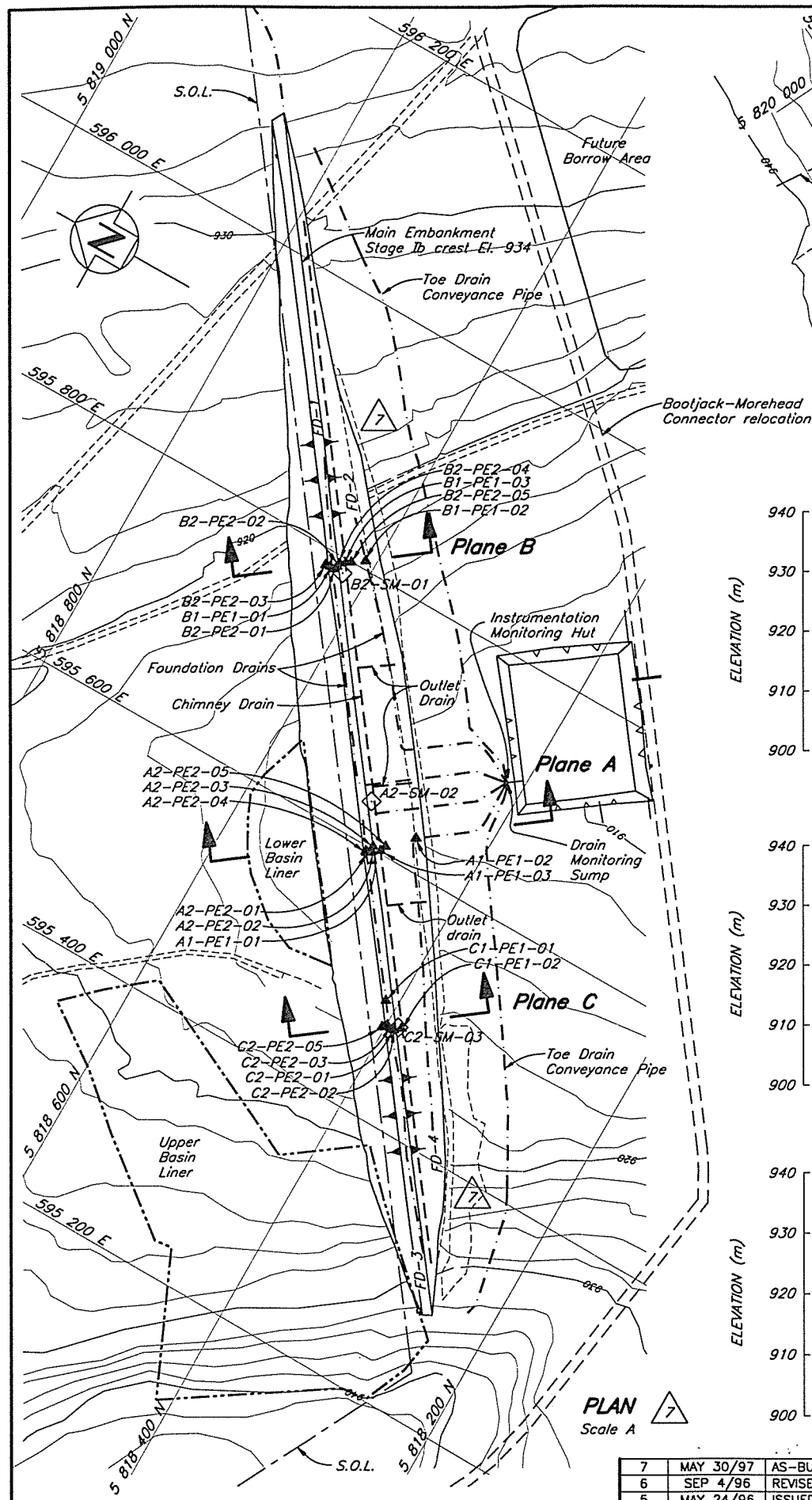
DATE: JUNE 2, 1995

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

TAILINGS STORAGE FACILITY
TAILINGS DISTRIBUTION AND
RECLAIM SYSTEM - SECTIONS AND DETAILS

DRG. NO. 510-61-02-1625.219 REV. 7

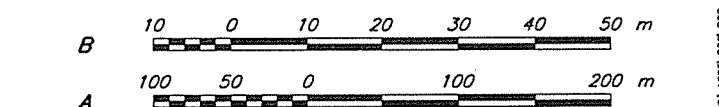


SUMMARY OF PIEZOMETERS LEAD LENGTHS				
PIEZOMETER No.	LEAD LENGTH (m)	NORTHING	EASTING	ELEV.
A1-PE1-03	200	5 818 476.8220	595 602.380	917.17
A1-PE1-01	175	5 818 486.650	595 595.060	912.99
A1-PE1-02	150	5 818 456.420	595 626.250	912.14
A2-PE2-01	200	5 818 482.710	595 598.140	903.7
A2-PE2-02	200	5 818 482.710	595 598.140	909.8
A2-PE2-03	175	5 818 484.196	595 598.140	919.43
A2-PE2-04	200	5 818 487.510	595 595.995	926.07
A2-PE2-05	175	5 818 475.061	595 607.560	921.87
B1-PE1-03	305	5 818 622.780	595 797.260	918.69
B1-PE1-01	300	5 818 632.550	595 787.910	917.27
B1-PE1-02	275	5 818 609.040	595 806.770	915.95
B2-PE2-01	325	5 818 628.270	595 787.880	902.00
B2-PE2-02	325	5 818 627.470	595 790.660	909.50
B2-PE2-03	325	5 818 636.530	595 786.970	921.00
B2-PE2-04	330	5 818 626.940	595 794.190	921.00
B2-PE2-05	325	5 818 619.014	595 799.804	921.70
C1-PE1-01	325	5 818 410.500	595 496.070	914.70
C1-PE1-02	330	5 818 410.500	595 496.070	916.60
C2-PE2-01	350	5 818 392.410	595 478.240	907.50
C2-PE2-02	350	5 818 392.410	595 478.240	910.50
C2-PE2-03	325	5 818 399.106	595 478.824	920.97
C2-PE2-05	325	5 818 402.343	595 475.326	924.84
D1-PE1-01	90	-	-	-
D2-PE2-01	85	5 818 768.104	595 506.055	931.00

* D1-PE1-01 to be installed during Stage II construction.

- NOTES**
- Piezometers are vibrating type, RST model VW-2100 with a pressure rating of 100 psi or equivalent, connected to a readout panel via standard non-vented model VW-232 direct burial cable.
 - Piezometer leads are to be extended to Instrumentation Monitoring Hut after foundation preparation for final embankment during Stage II construction.
 - Future survey monuments not shown. A minimum of 2 monuments will be installed for each embankment raise.
 - Seepage cutoffs placed at 5m intervals with 10% bentonite added to fine grained till backfill, see Drg. No. 1625.221.
 - As-built information provided by Mount Polley Mining Corporation.
 - Topography has not been updated for 1997 flyover.
 - Installation details for borehole piezometers as shown on Drg. No. 1625.221.

- LEGEND**
- Plane I.D. (A, B etc.)
 - Area (0-Tailings, 1-Drain, 2-Embankment)
 - A0-PE1-01 - Number I.D.
 - Pressure Rating (1-Low, 2-High)
 - Type of Instrumentation (PE-Piezometer electric, SM-Survey Monument)
 - A1-PE1-01 ▲ Embankment drain piezometer (Foundation drain and Chimney drain)
 - A2-PE2-01 ▲ Embankment foundation and fill piezometer
 - A2-SM-01 ◆ Embankment survey monument



DRG. NO.	DESCRIPTION
1625.221	TSF - INSTRUMENTATION - SECTIONS AND DETAILS

REV.	DATE	DESCRIPTION	APPROVED
7	MAY 30/97	AS-BUILT PIEZOMETER LOCATIONS	
6	SEP 4/96	REVISED PIEZO. LOCATIONS	
5	MAY 24/96	ISSUED FOR CONSTRUCTION	
4	APR 1/96	PIEZOMETER INFORMATION ADDED	

REV.	DATE	DESCRIPTION	APPROVED
3	MAR 25/96	ROAD UPDATED	
2	JAN 18/96	REVISED SEEPAGE COLLECTION POND	
1	JUL 27/95	BASIN GROUNDWATER DRAINS REVISED	
0	JUN 2/95	ISSUED FOR TENDER	

KNIGHT PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED: GRG
DRAWN: RDT/VY/DHS
CHECKED: KJB
APPROVED: KJB

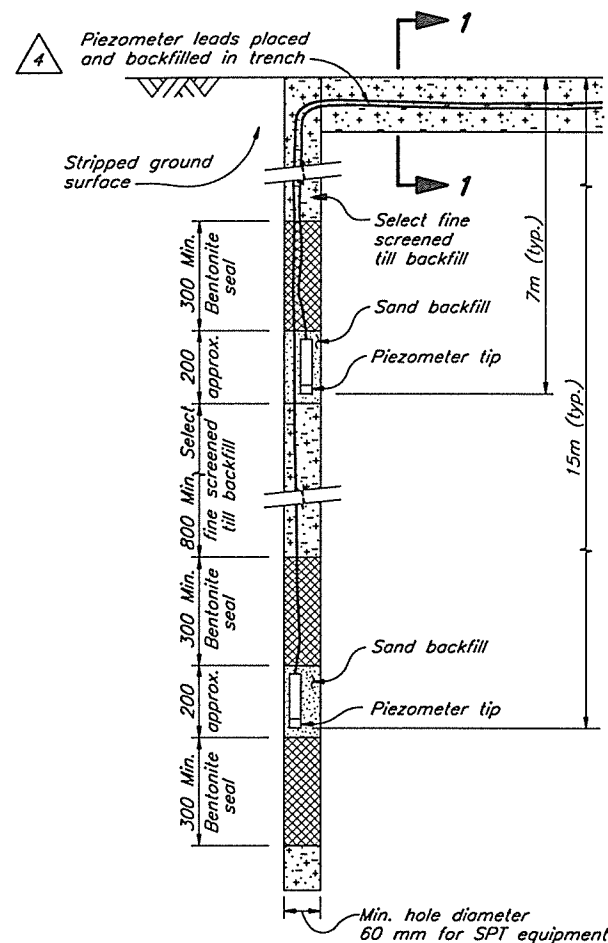
DATE: JUNE 2, 1995

MOUNT POLLEY MINING CORPORATION

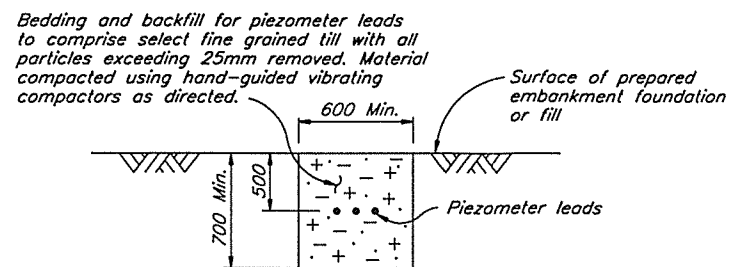
MOUNT POLLEY PROJECT

TAILINGS STORAGE FACILITY INSTRUMENTATION

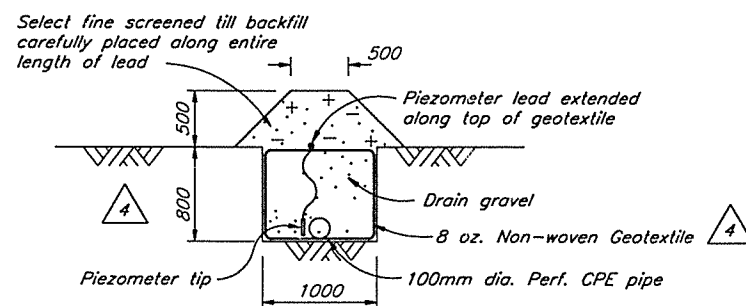
SCALE AS SHOWN DRG. NO. 510-77-01-1625.220 REV. 7



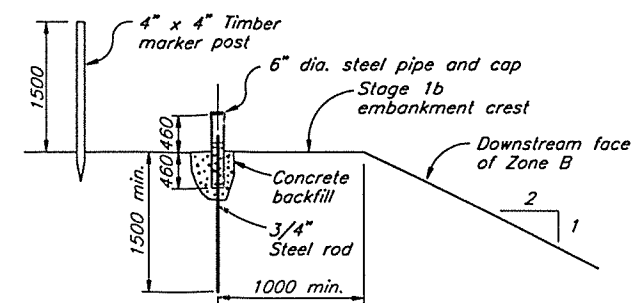
DETAIL A
INSTALLATION OF PIEZOMETERS
IN BOREHOLES
N.T.S.



SECTION 1
TYPICAL SECTION THROUGH PIEZOMETER LEAD
TRENCH IN PREPARED EMBANKMENT FOUNDATION
OR IN ZONE S AND B FILL
N.T.S.



DETAIL C
TYPICAL PIEZOMETER INSTALLATION IN
EMBANKMENT FOUNDATION DRAIN OR TOE DRAIN
N.T.S.



DETAIL OF
SURFACE MOVEMENT MONUMENT
N.T.S.

NOTES

1. Dimensions are in millimeters unless otherwise noted.
2. Tailings piezometers to be installed during future investigation programs.

Scale 1000 500 0 1000 2000 mm

1625.220	TAILINGS STORAGE FACILITY -- INSTRUMENTATION
DRG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

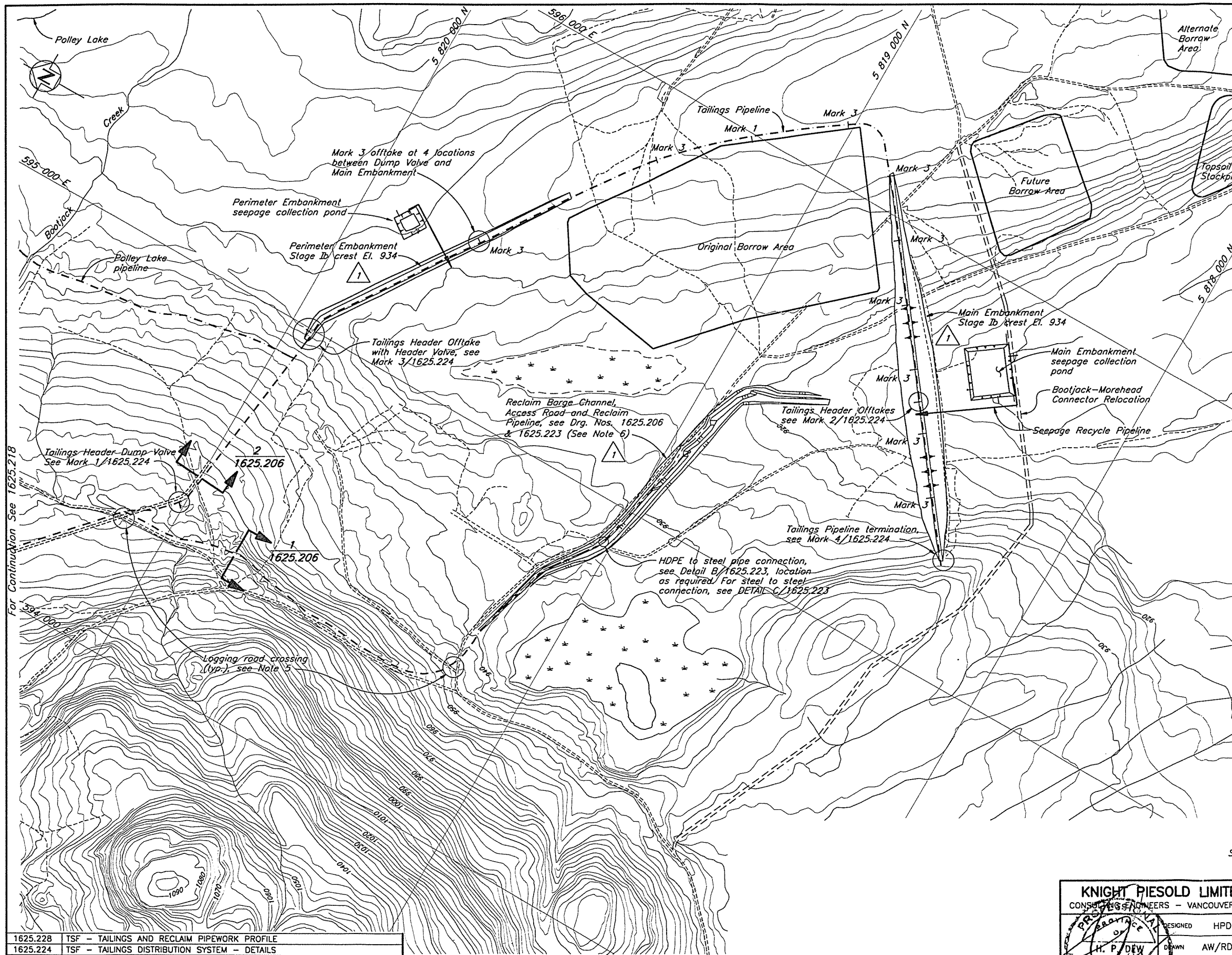
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4	MAY 30/97	PARSHALL FLUME DELETED	KJB
3	MAR 24/96	ISSUED FOR CONSTRUCTION	
2	APR 1/96	NOTE ADDED	
1	JAN. 18/96	GROUNDWATER DRAINS REMOVED	
0	JUNE 2/95	ISSUED FOR TENDER	
REVISIONS			

KNIGHT PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

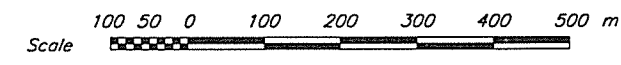
DESIGNED KDE/MBS
DRAWN VY
CHECKED KJB
APPROVED KJB

DATE **JUNE 2, 1995**

MOUNT POLLEY MINING CORPORATION	
MOUNT POLLEY PROJECT	
TAILINGS STORAGE FACILITY	
INSTRUMENTATION	
SECTIONS AND DETAILS	
SCALE AS SHOWN	DRG. NO. 510-77-02-1625.221
REV. 4	



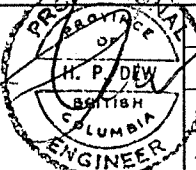
- NOTES**
1. For Tailings Pipework offtake locations, see Drg. No. 1625.228.
 2. Mark 3 offtakes temporarily omitted. Pipe sections have flanged joints to permit Mark 3 offtakes to be installed as required.
 3. Mark 2 offtakes have been revised and are included on the movable discharge section, as shown on Mark 2/1625.224.
 4. All bends in tailings and reclaim HDPE pipelines are made using natural flexibility of pipe unless otherwise noted. Minimum bend radius to be 25 diameter.
 5. Pipelines at logging road crossings to be sleeved in 900 mm Ø x 2mm minimum wall CSP culvert with 500 mm minimum depth of cover. Backfill to be well graded and compacted sand and gravel.
 6. Reclaim pipeline is assumed to be required only to original ground elevation of 925 m. Additional pipe may be required if pond level at startup is lower than 925 m. See additional notes on Drg. No. 1625.206. Additional ramps to be added as required.
 7. As-built information provided by Mount Polley Mining Corporation.
 8. Topography has not been updated for 1997 Flyover.
 9. Pipeline alignments to be updated based on as-built survey.



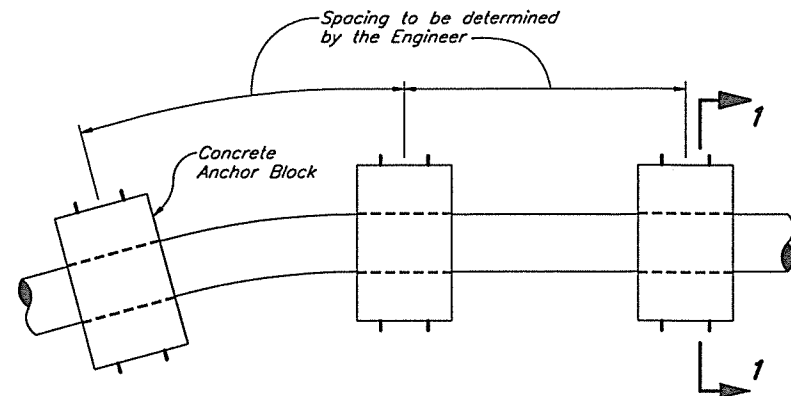
1625.228	TSF - TAILINGS AND RECLAIM PIPEWORK PROFILE
1625.224	TSF - TAILINGS DISTRIBUTION SYSTEM - DETAILS
1625.223	RECLAIM PIPELINE DETAILS
1625.218	TAILINGS DISTRIBUTION AND RECLAIM SYSTEM - PLAN
1625.206	TSF - RECLAIM BARGE CHANNEL - EXCAVATION DETAILS
DRG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

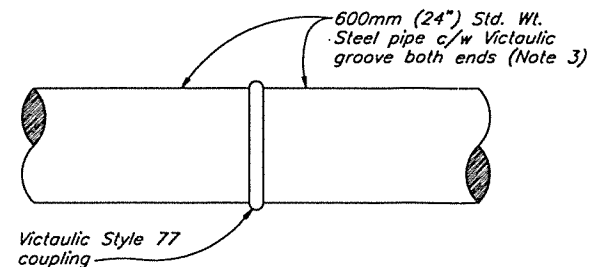
1	MAY 30/97	AS-BUILT BARGE CHANNEL, EMBANKMENTS, AND PONDS ISSUED FOR CONSTRUCTION	KJB
0	JULY 15/96		
REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

KNIGHT PIESOLD LIMITED CONSULTING ENGINEERS - VANCOUVER, B.C.		MOUNT POLLEY MINING CORPORATION	
DESIGNED HPD DRAWN AW/RDT CHECKED KOE APPROVED KJB		MOUNT POLLEY PROJECT	
		TAILINGS STORAGE FACILITY TAILINGS IMPOUNDMENT TAILINGS AND RECLAIM PIPEWORK PLAN	
DATE	JULY 15, 1996	SCALE AS SHOWN	DRG. NO. 1625.222
REV.	1		

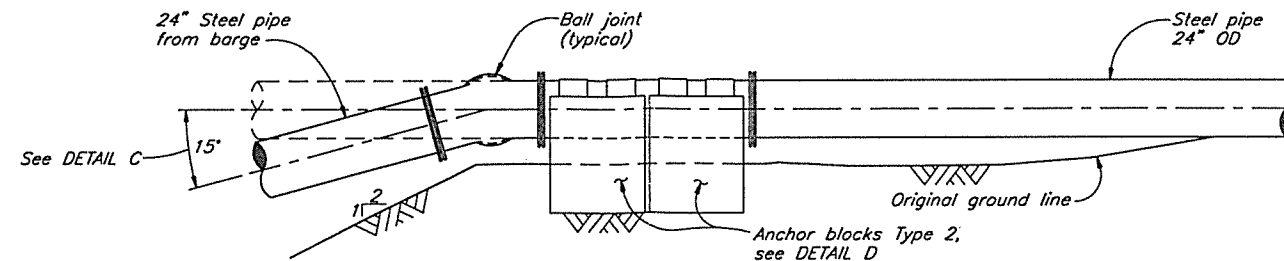
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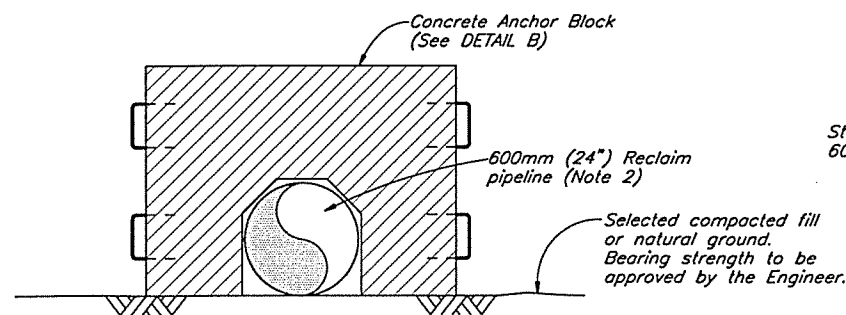
PIPELINE BEND ANCHORING
Scale B



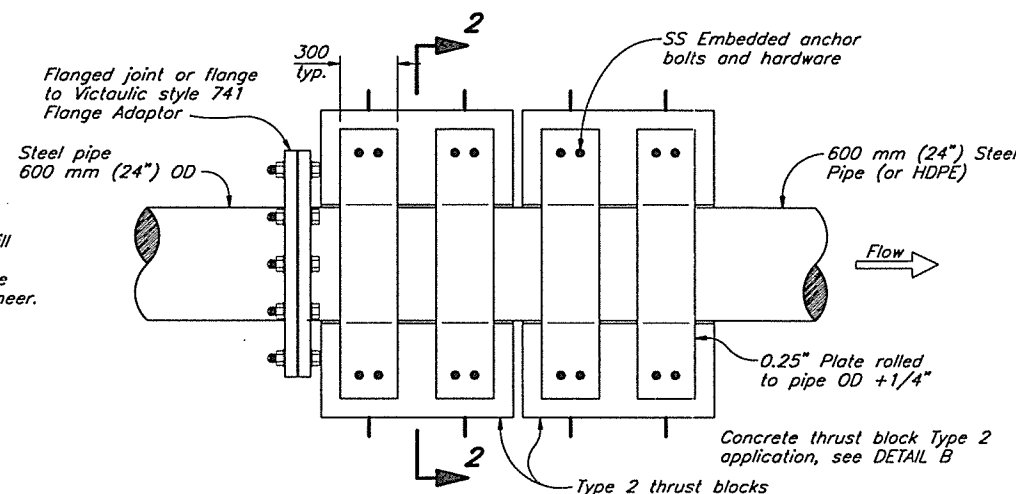
DETAIL C, 1625.222
STEEL RECLAIM PIPE CONNECTION
Scale A



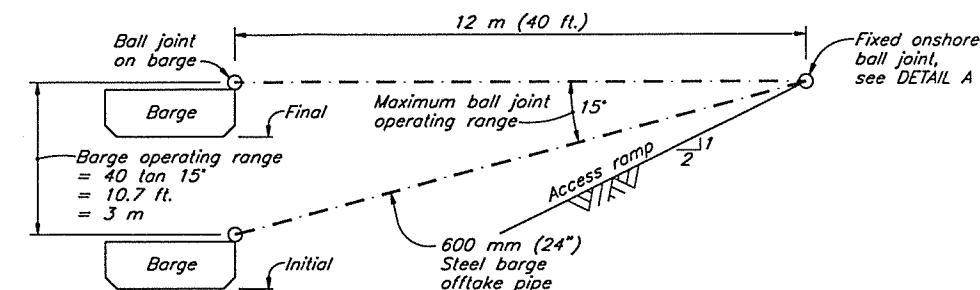
DETAIL A, 1625.206
ONSHORE BALL JOINT
Scale B



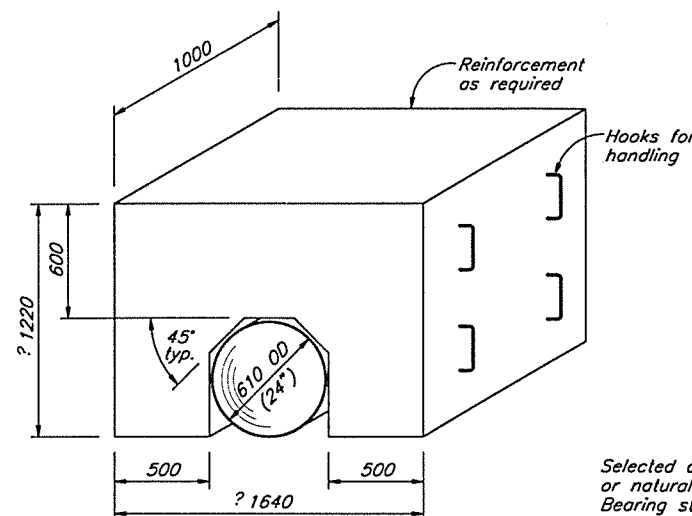
SECTION 1
CONCRETE ANCHOR BLOCK - TYPE 1 APPLICATION
Scale A



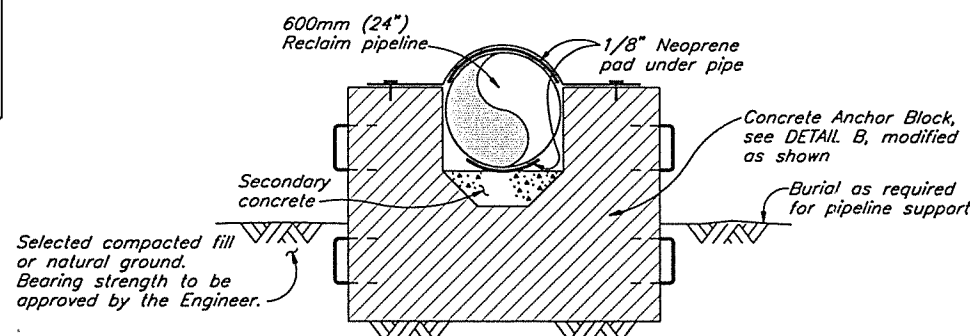
DETAIL D, 1625.222
CONCRETE THRUST BLOCK - TYPE 2 APPLICATION
CONNECTION BETWEEN STEEL AND HDPE PIPE
CONNECTION AT RECLAIM BOOSTER PUMPSTATION DISCHARGE
AND CONNECTION AT BARGE OFFTAKE BALL JOINT
Scale A



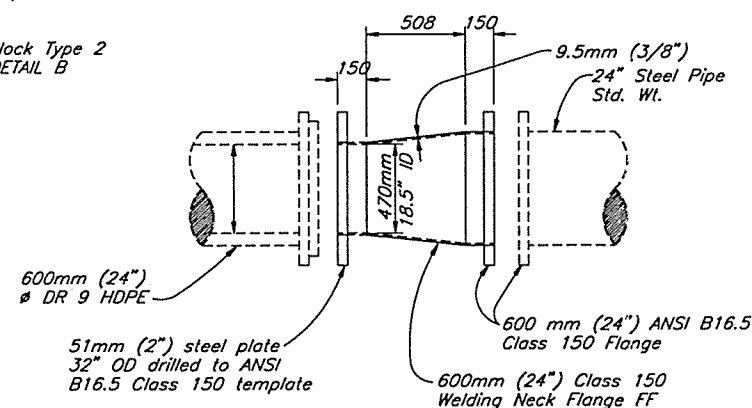
DETAIL C
BARGE OPERATING RANGE - SCHEMATIC



DETAIL B
TYPICAL PORTABLE CONCRETE BLOCK FOR 24" OD PIPE
(4.5 TONNE)
Scale A



SECTION 2
CONCRETE THRUST BLOCK - TYPE 2 APPLICATION
Scale A



DETAIL
REDUCER, SPECIAL, 24" HDPE TO STEEL
INSIDE DIAMETER ADAPTER
Scale A

NOTES

- Concrete anchoring blocks to be used at barge ball joint and at locations where pipeline changes from steel to HDPE.
- Anchor blocks may be used for reclaim or tailings pipeline as required by the Engineer. Modifications will be required for pipe diameter other than 24 inch.
- Victaulic grooves to be rolled if pipe wall thickness is less than 0.375 inch.

B	2000	1000	0	2000	4000	mm
A	1000	500	0	1000	2000	mm

1625.224	TAILINGS DISTRIBUTION SYSTEM - DETAILS
1625.222	TAILINGS IMPOUNDMENT - TAILINGS AND RECLAIM PIPEWORK PLAN
1625.206	TSF - RECLAIM BARGE CHANNEL - EXCAVATION DETAILS
DRG. NO.	DESCRIPTION
REFERENCE DRAWINGS	

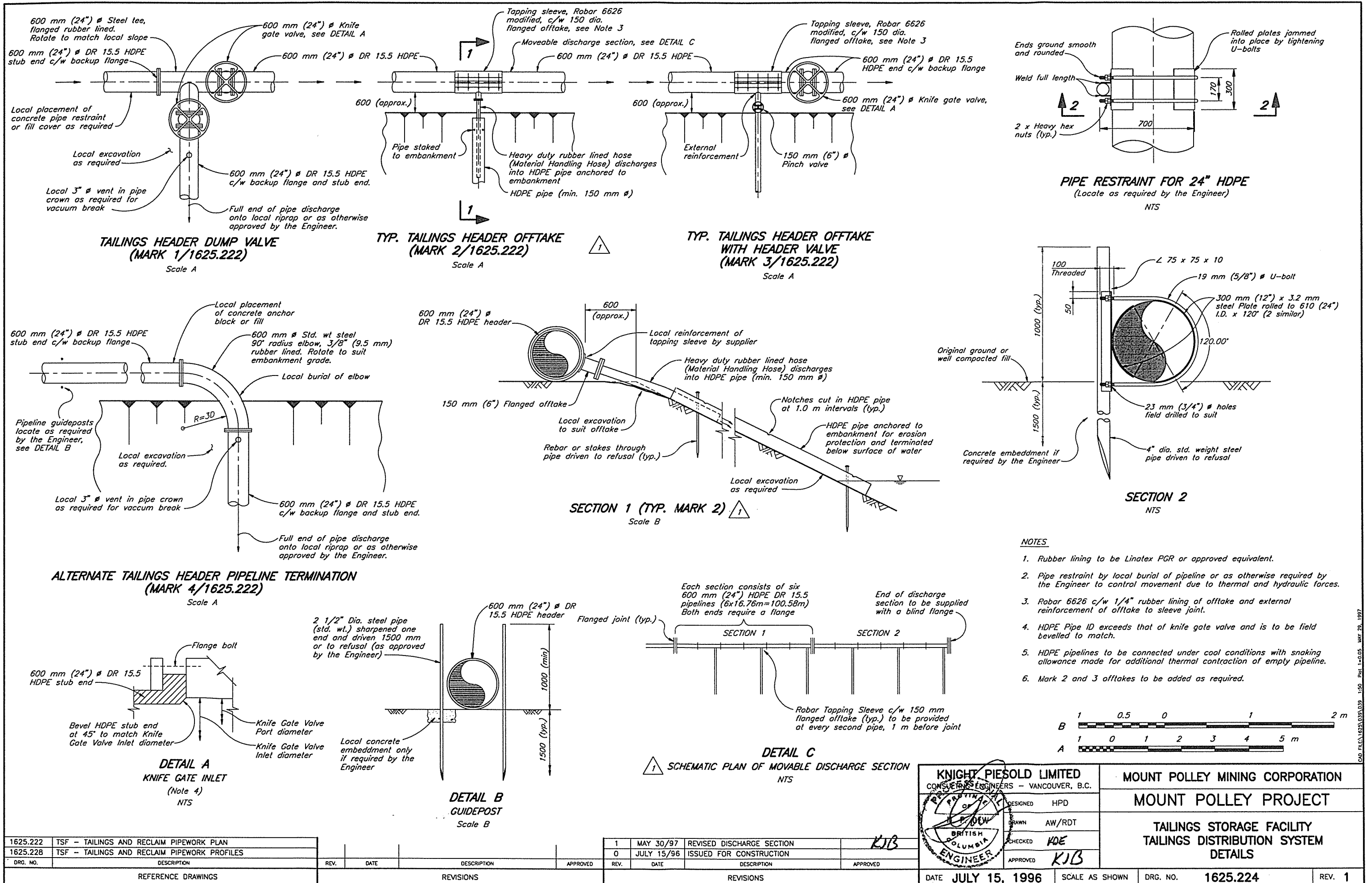
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1	MAY 30/97	REFERENCE TO DRAWINGS REVISED	
0	JULY 15/96	ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

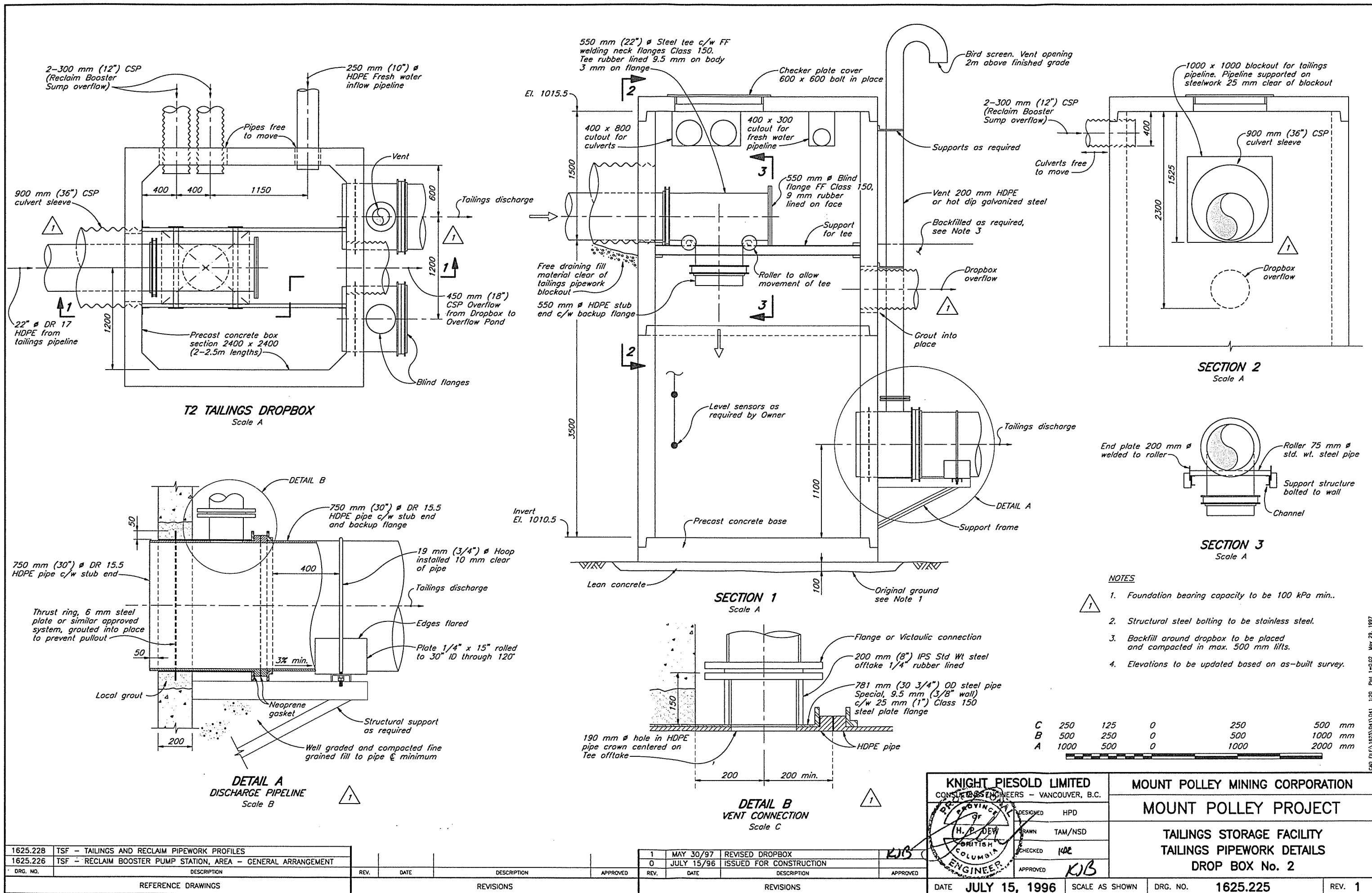
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REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

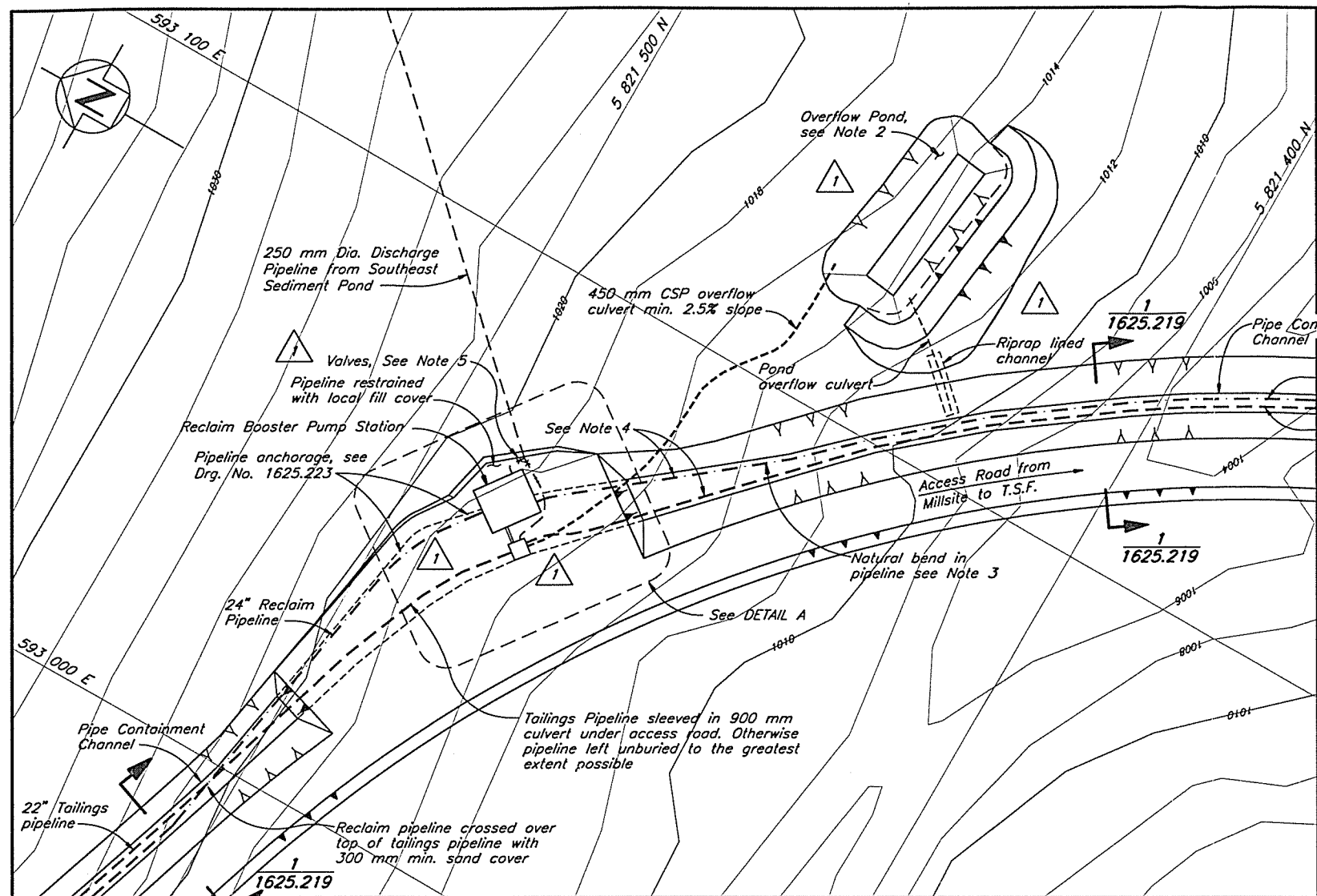
KNIGHT PIESOLD LIMITED CONSULTING ENGINEERS - VANCOUVER, B.C.	
DESIGNED	HPD/NM
DRAWN	AW/RDT/NSD
CHECKED	KJB
APPROVED	KJB
DATE JULY 15, 1996	

MOUNT POLLEY MINING CORPORATION	
MOUNT POLLEY PROJECT	
TAILINGS STORAGE FACILITY RECLAIM PIPELINE DETAILS	
DRG. NO.	1625.223
REV.	1

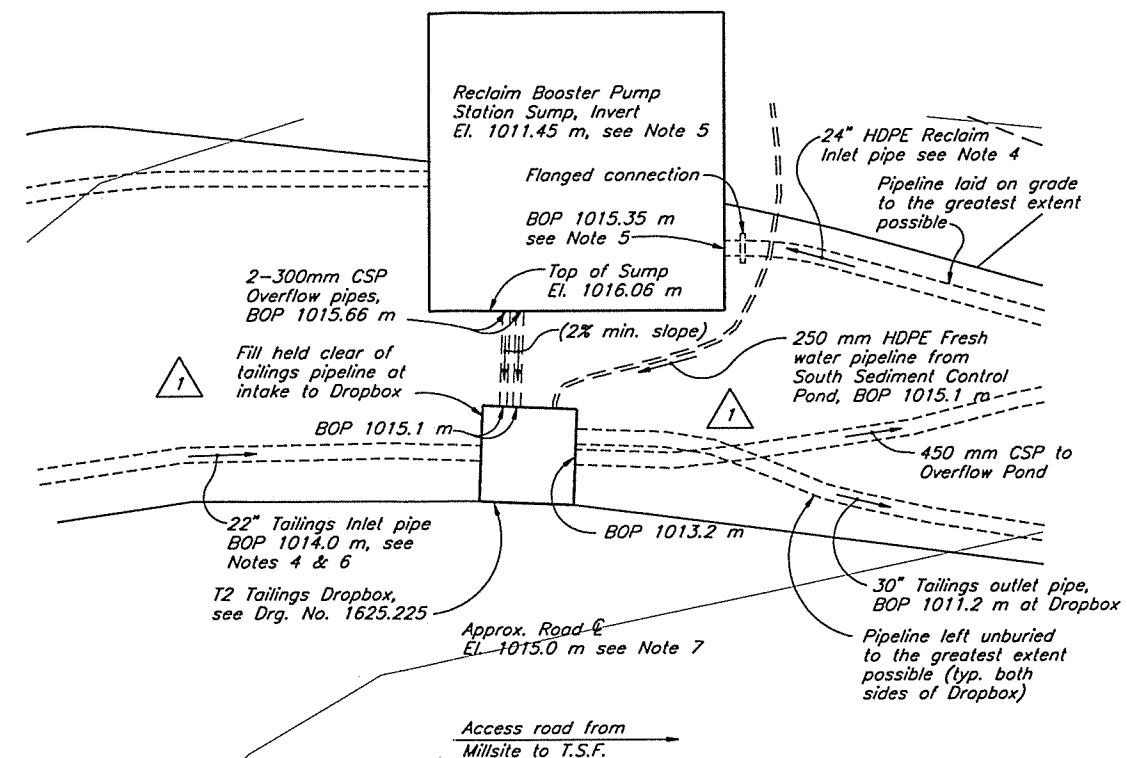
CAD FILE: 1625.223.DWG 1:20 Plot 1-0.02 MAY 23, 1997







DETAIL A - SCHEMATIC
RECLAIM BOOSTER PUMP STATION, DROP BOX No. 2 AND OVERFLOW POND No. 2



DETAIL A - SCHEMATIC
NTS

NOTES

- Layout including cut and fill details to be approved by the Engineer to ensure basic BOP elevations and grades are achieved.
- The 500 m³ capacity of the Overflow Pond, is sufficient to contain the contents of the upstream tailings pipeline. Pond located by Mount Polley Mining Corporation.
- Radius of natural bends in HDPE pipelines not to be less than 25 pipe diameters.
- Tailings and Reclaim pipelines uniformly graded between pipe containment channel and structures without high or low points.
- Details of pipelines into Reclaim Booster sump to be determined in conjunction with CSFM.
- Invert of pipe containment channel is assumed to be 1 m below local road elevation.
- Local riprap required where 450 mm CSP overflow culvert exits overflow pond.
- Top of discharge culvert for overflow pond to be 1000 mm below top of overflow pond.
- Pond overflow culvert is 600 mm CSP with fill cover and min. 2.5% slope to pipe containment channel.
- As-built information provided by Mount Polley Mining Corporation.
- Topography not updated by 1997 Flyover.
- Pipeline alignments to be updated based on as-built survey.

LEGEND

BOP Bottom of Pipe

Scale 10 5 0 10 20 30 40 50 Metres

1625.225	TSF - TAILINGS PIPEWORK DETAILS - DROP BOX No. 2
1625.223	TSF - RECLAIM PIPELINE DETAILS
1625.219	TSF - TAILINGS DISTRIBUTION & RECLAIM SYSTEM - SECTIONS & DETAILS
1625.218	TSF - TAILINGS DISTRIBUTION & RECLAIM SYSTEM - PLAN
DRG. NO.	DESCRIPTION

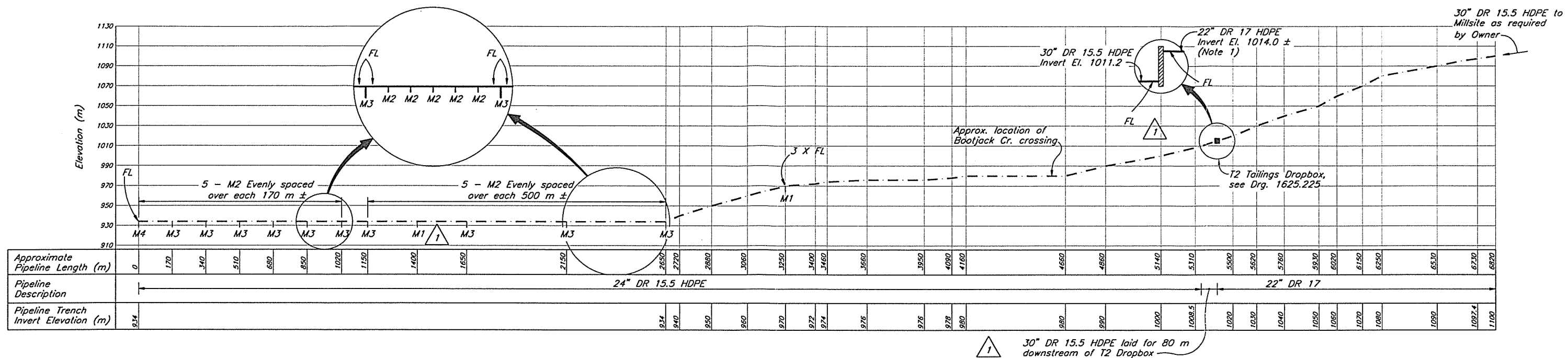
REFERENCE DRAWINGS

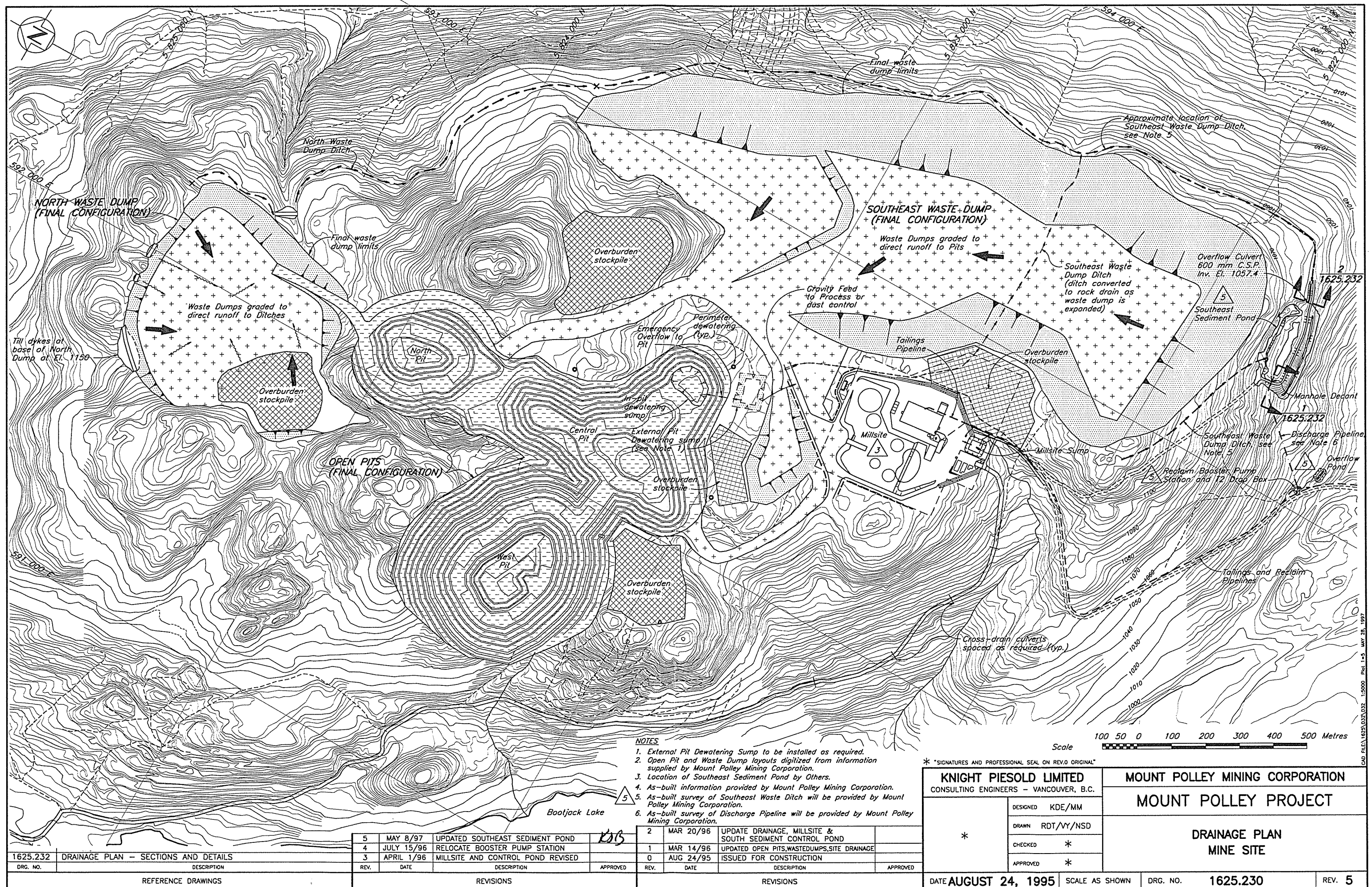
REV.	DATE	DESCRIPTION	APPROVED
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0	JULY 15/96	ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED

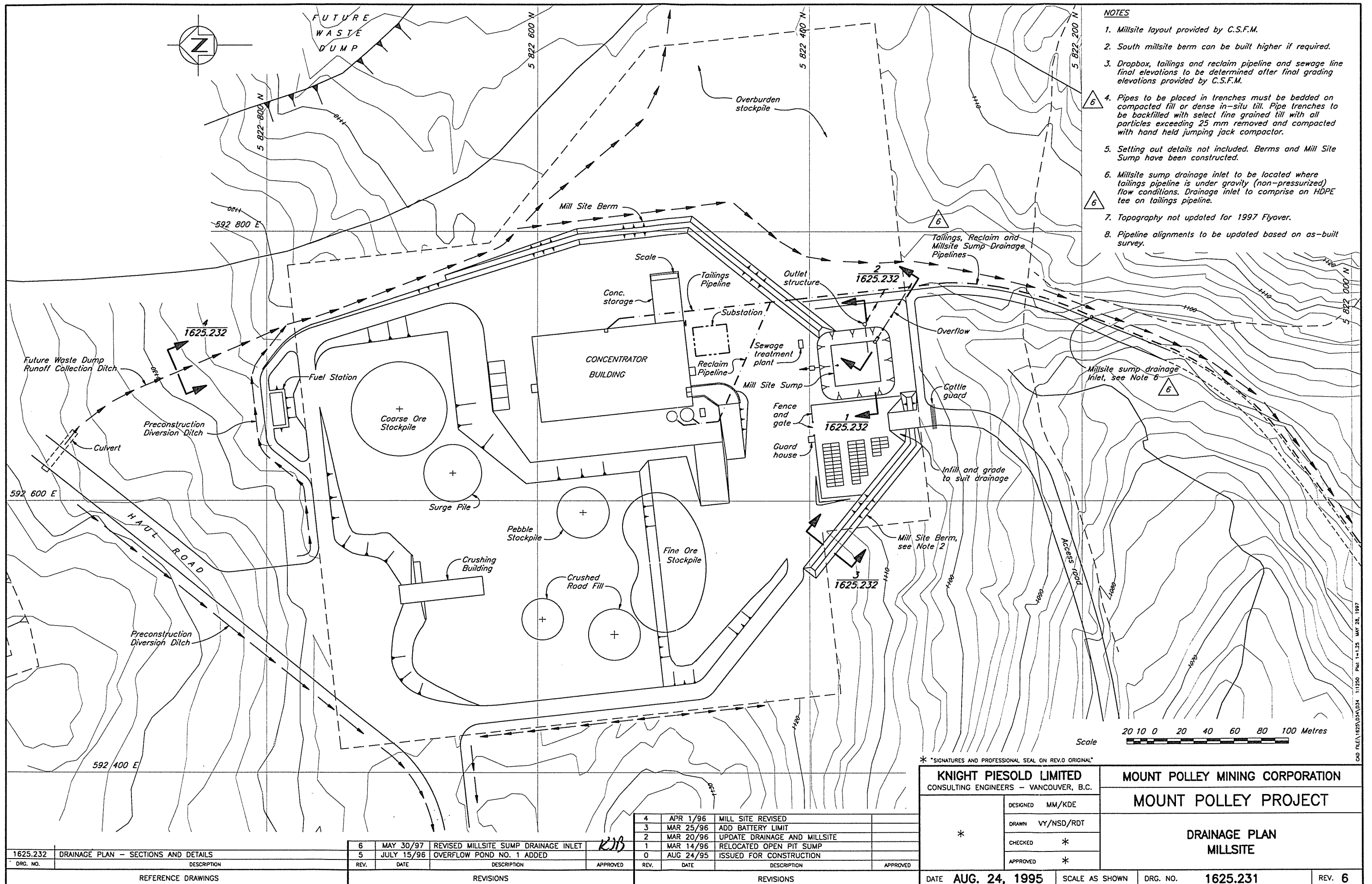
REVISIONS

REVISIONS

KNIGHT PIESOLD LIMITED CONSULTING ENGINEERS - VANCOUVER, B.C.		MOUNT POLLEY MINING CORPORATION	
DESIGNED HPD/NM DRAWN VY CHECKED KJB APPROVED KJB		MOUNT POLLEY PROJECT	
TAILINGS STORAGE FACILITY RECLAIM BOOSTER PUMP STATION AREA GENERAL ARRANGEMENT			
DATE	JULY 15, 1996	SCALE AS SHOWN	DRG. NO. 1625.226
REV.	1		







NOTES

1. Millsite layout provided by C.S.F.M.
2. South millsite berm can be built higher if required.
3. Dropbox, tailings and reclaim pipeline and sewage line final elevations to be determined after final grading elevations provided by C.S.F.M.
4. Pipes to be placed in trenches must be bedded on compacted fill or dense in-situ till. Pipe trenches to be backfilled with select fine grained till with all particles exceeding 25 mm removed and compacted with hand held jumping jack compactor.
5. Setting out details not included. Berms and Mill Site Sump have been constructed.
6. Millsite sump drainage inlet to be located where tailings pipeline is under gravity (non-pressurized) flow conditions. Drainage inlet to comprise on HDPE tee on tailings pipeline.
7. Topography not updated for 1997 Flyover.
8. Pipeline alignments to be updated based on as-built survey.

* SIGNATURES AND PROFESSIONAL SEAL ON REV.0 ORIGINAL

KNIGHT PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED MM/KDE
DRAWN VY/NSD/RDT
CHECKED *
APPROVED *

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

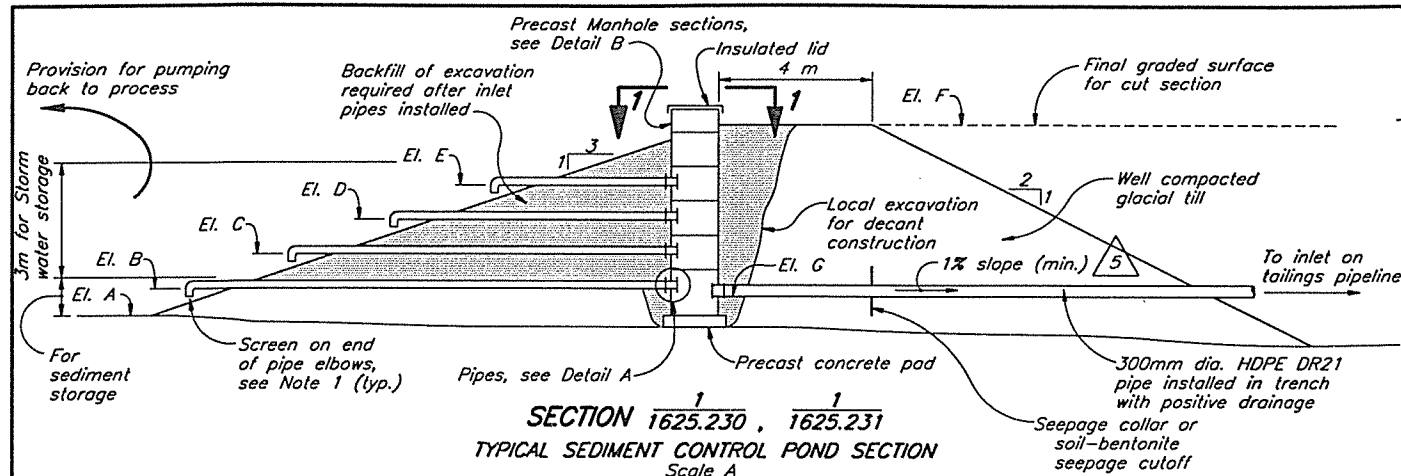
**DRAINAGE PLAN
MILLSITE**

DATE **AUG. 24, 1995** SCALE AS SHOWN DRG. NO. **1625.231** REV. **6**

DRG. NO.	DESCRIPTION
1625.232	DRAINAGE PLAN - SECTIONS AND DETAILS

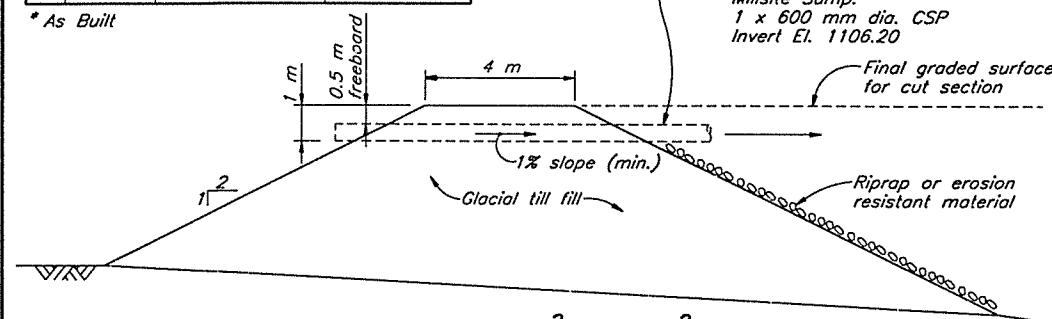
REV.	DATE	DESCRIPTION	APPROVED
6	MAY 30/97	REVISED MILLSITE SUMP DRAINAGE INLET	
5	JULY 15/96	OVERFLOW POND NO. 1 ADDED	

REV.	DATE	DESCRIPTION	APPROVED
4	APR 1/96	MILL SITE REVISED	
3	MAR 25/96	ADD BATTERY LIMIT	
2	MAR 20/96	UPDATE DRAINAGE AND MILLSITE	
1	MAR 14/96	RELOCATED OPEN PIT SUMP	
0	AUG 24/95	ISSUED FOR CONSTRUCTION	

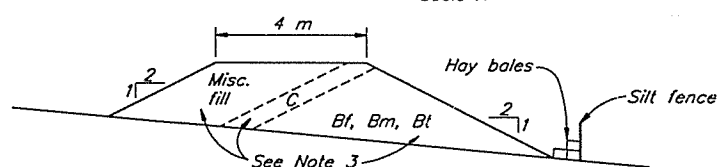


El.	Millsite Sump *	Southeast Sediment Pond *	Pit Dewatering Sump
A	1100.00	1052.20	To Be Determined
B	1100.91	1053.56	
C	1101.81	1054.42	
D	1102.70	1055.29	
E	1103.61	1056.18	
F	1107.40	1058.00	
G	1100.56	1053.37	

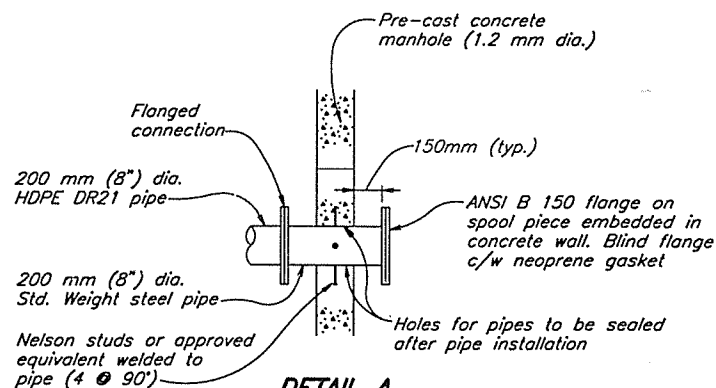
* As Built



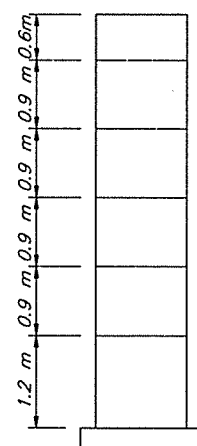
SECTION 1625.230, 1625.231
TYPICAL SEDIMENT CONTROL POND OVERFLOW CULVERT
Scale A



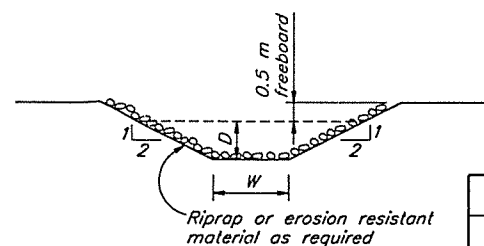
SECTION 1625.231
MILLSITE BERM SECTION
Scale A



DETAIL A
Scale C



DETAIL B
TYPICAL MANHOLE SECTIONS
FOR 5 m DEEP POND
NTS

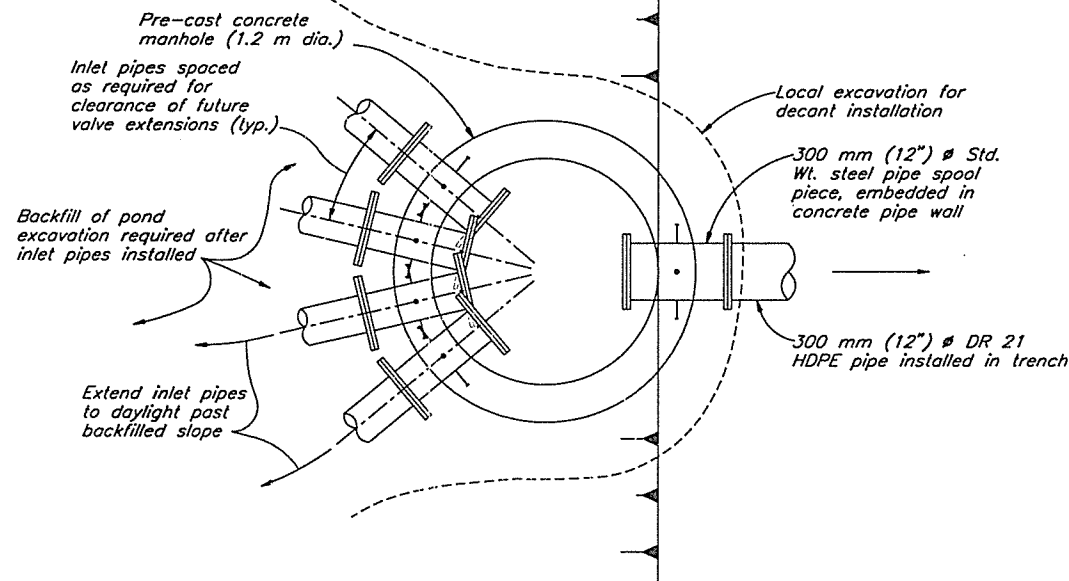


SECTION 1625.231
TYPICAL DITCH SECTION
Scale A

DITCH DIMENSIONS		
Ditch	W(m)	D(m)
All Mill Site Diversion Ditches	1.0	0.35
All Waste Dump Ditches	1.0	0.6

5 NOTES

1. Pipe elbows provided for oil skimming.
2. Sediment control pond fill sections to be constructed using suitable glacial till materials from local excavations.
3. Fill sections to be constructed in max. 0.5 m lifts and compacted prior to the placement of the next lift.
4. Silt fence and hay bales provided for sediment control.
5. Rockfill to comprise clean coarse gravel and cobbles.
6. All pond excavations and fill sections to be completed in low permeability glacial till materials.

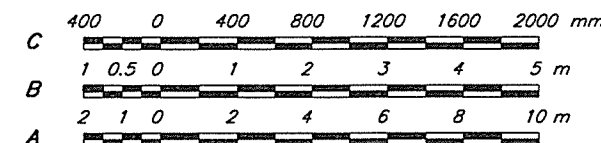


SECTION 1
Scale C

POND	STORAGE VOLUMES (m ³)		CRITERIA
	Live Storage	Dead Storage	
Southeast Sediment Pond	40,000 *	3,000 *	10yr 24 hour precipitation event at start-up of operations
Pit Dewatering Sump - Initial	Not required	Not required	1.5 x 10yr 24 hour precipitation event at start-up of operations
- Final	24,400	6,700	
Millsite Sump	9,000 *	3,000 *	1.5 x 10yr 24 hour precipitation event

NOTES:

1. Pit Dewatering Sump size to be increased in conjunction with waste dump expansion.
 2. Final Pit Dewatering Sump includes 10% of Open Pit inflows.
 3. Typical Sediment Control Pond and Typical Sediment Control Pond Overflow Culverts cross-sections will change in fill construction and will be appropriately adjusted in the field as determined by the Engineer.
- * As-built



* SIGNATURES AND PROFESSIONAL SEAL ON REV.0 ORIGINAL

KNIGHT PIESOLD LIMITED	
CONSULTING ENGINEERS - VANCOUVER, B.C.	
DESIGNED	KDE/MM
DRAWN	RDY/NSD
CHECKED	*
APPROVED	*

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

DRAINAGE PLAN
SECTIONS AND DETAILS

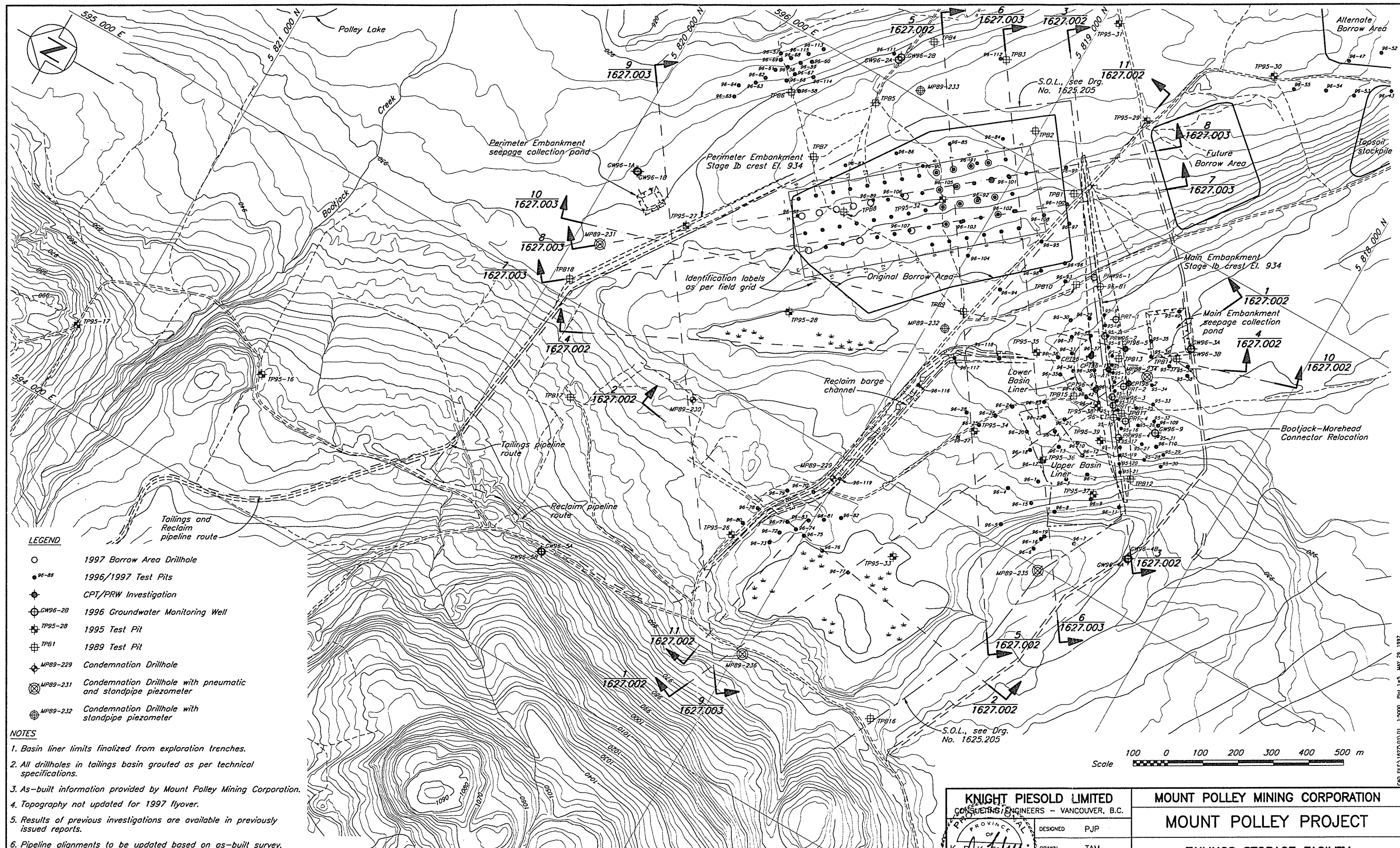
1625.230	DRAINAGE PLAN - MINE SITE
1625.231	DRAINAGE PLAN - MILL SITE

DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED
REFERENCE DRAWINGS					

REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

5	MAY 8/97	ELEVATIONS MODIFIED	KJB
4	JULY 15/96	DETAIL AND ELEVATIONS MODIFIED	
3	APR 1/96	UPDATE SEDIMENT CONTROL POND	
2	MAR 20/96	UPDATE SEDIMENT CONTROL POND	
1	MAR 14/96	UPDATE DITCHES AND NOTE 3 ADDED	
0	AUG 24/95	ISSUED FOR CONSTRUCTION	
REV.	DATE	DESCRIPTION	APPROVED
REVISIONS			

DATE	AUGUST 24, 1995	SCALE	AS SHOWN	DRG. NO.	1625.232	REV.	5
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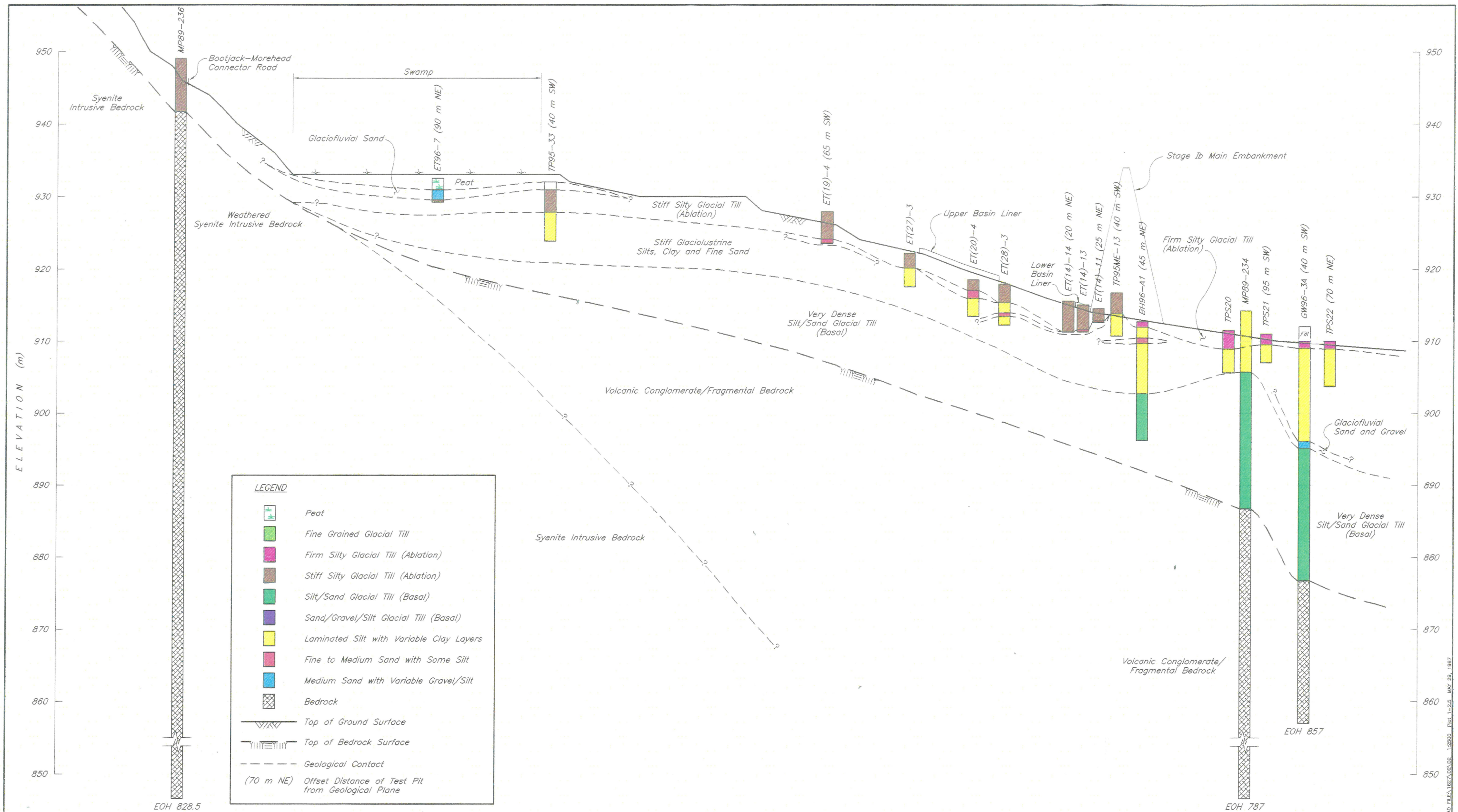


- LEGEND**
- 1997 Borrow Area Drillhole
 - 96-85 1996/1997 Test Pits
 - ⊕ CPT/PRW Investigation
 - ⊕ GW96-28 1996 Groundwater Monitoring Well
 - ⊕ TP95-28 1995 Test Pit
 - ⊕ TP61 1989 Test Pit
 - ⊕ MP89-229 Condemnation Drillhole
 - ⊕ MP89-231 Condemnation Drillhole with pneumatic and standpipe piezometer
 - ⊕ MP89-232 Condemnation Drillhole with standpipe piezometer

- NOTES**
1. Basin liner limits finalized from exploration trenches.
 2. All drillholes in tailings basin grouted as per technical specifications.
 3. As-built information provided by Mount Polley Mining Corporation.
 4. Topography not updated for 1997 flyover.
 5. Results of previous investigations are available in previously issued reports.
 6. Pipeline alignments to be updated based on as-built survey.

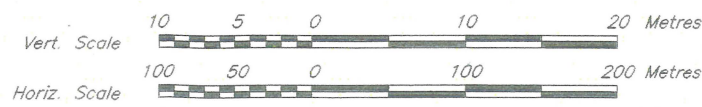
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REFERENCE DRAWINGS						REVISIONS									

KNIGHT PIESOLD LIMITED CONSULTING ENGINEERS - VANCOUVER, B.C.		MOUNT POLLEY MINING CORPORATION	
DESIGNED PJP		MOUNT POLLEY PROJECT	
DRAWN TAM		TAILINGS STORAGE FACILITY GEOLOGICAL INVESTIGATIONS LOCATION PLAN	
CHECKED KJC			
APPROVED KJS			
DATE MAY 16, 1997		SCALE AS SHOWN	
		DRG. NO. 1627.001	
		REV. 0	

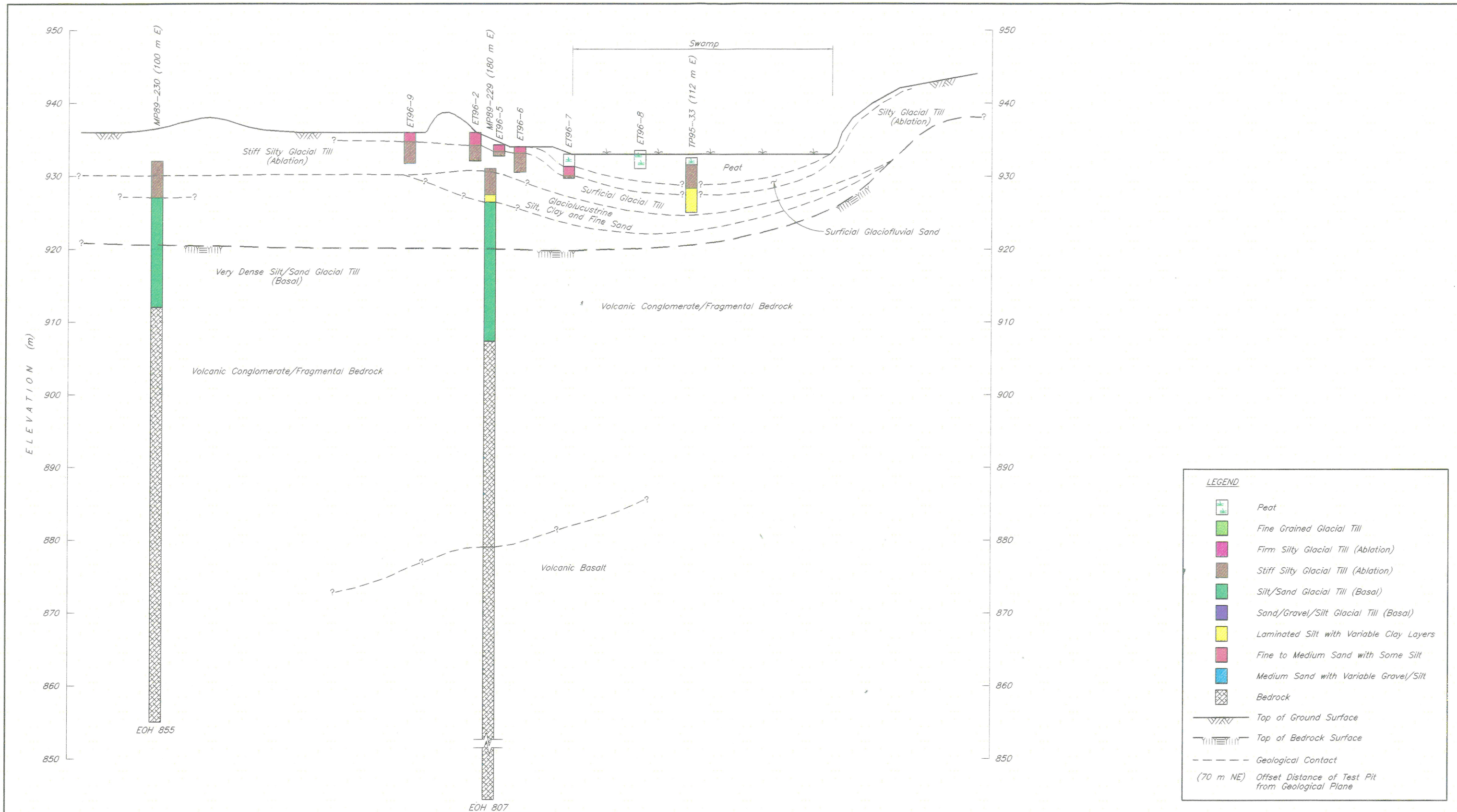


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DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED
	REFERENCE DRAWINGS			REVISIONS	



KNIGHT PIESOLD LIMITED CONSULTING ENGINEERS - VANCOUVER, B.C.		MOUNT POLLEY MINING CORPORATION	
MOUNT POLLEY PROJECT		TAILINGS STORAGE FACILITY GEOLOGICAL INVESTIGATIONS SECTION 1	
DESIGNED	PJP	DATE	MAY 16, 1997
DRAWN	NAR	SCALE	AS SHOWN
CHECKED	KOE	DRG. NO.	1627.002
APPROVED	KJB	REV.	0



LEGEND

- Peat
- Fine Grained Glacial Till
- Firm Silty Glacial Till (Ablation)
- Stiff Silty Glacial Till (Ablation)
- Silt/Sand Glacial Till (Basal)
- Sand/Gravel/Silt Glacial Till (Basal)
- Laminated Silt with Variable Clay Layers
- Fine to Medium Sand with Some Silt
- Medium Sand with Variable Gravel/Silt
- Bedrock
- Top of Ground Surface
- Top of Bedrock Surface
- Geological Contact
- (70 m NE) Offset Distance of Test Pit from Geological Plane

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KNIGHT-PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED: PJP
DRAWN: NAR
CHECKED: ROE
APPROVED: KJB

DATE: MAY 16, 1997

MOUNT POLLEY MINING CORPORATION

MOUNT POLLEY PROJECT

**TAILINGS STORAGE FACILITY
GEOLOGICAL INVESTIGATIONS
SECTION 2**

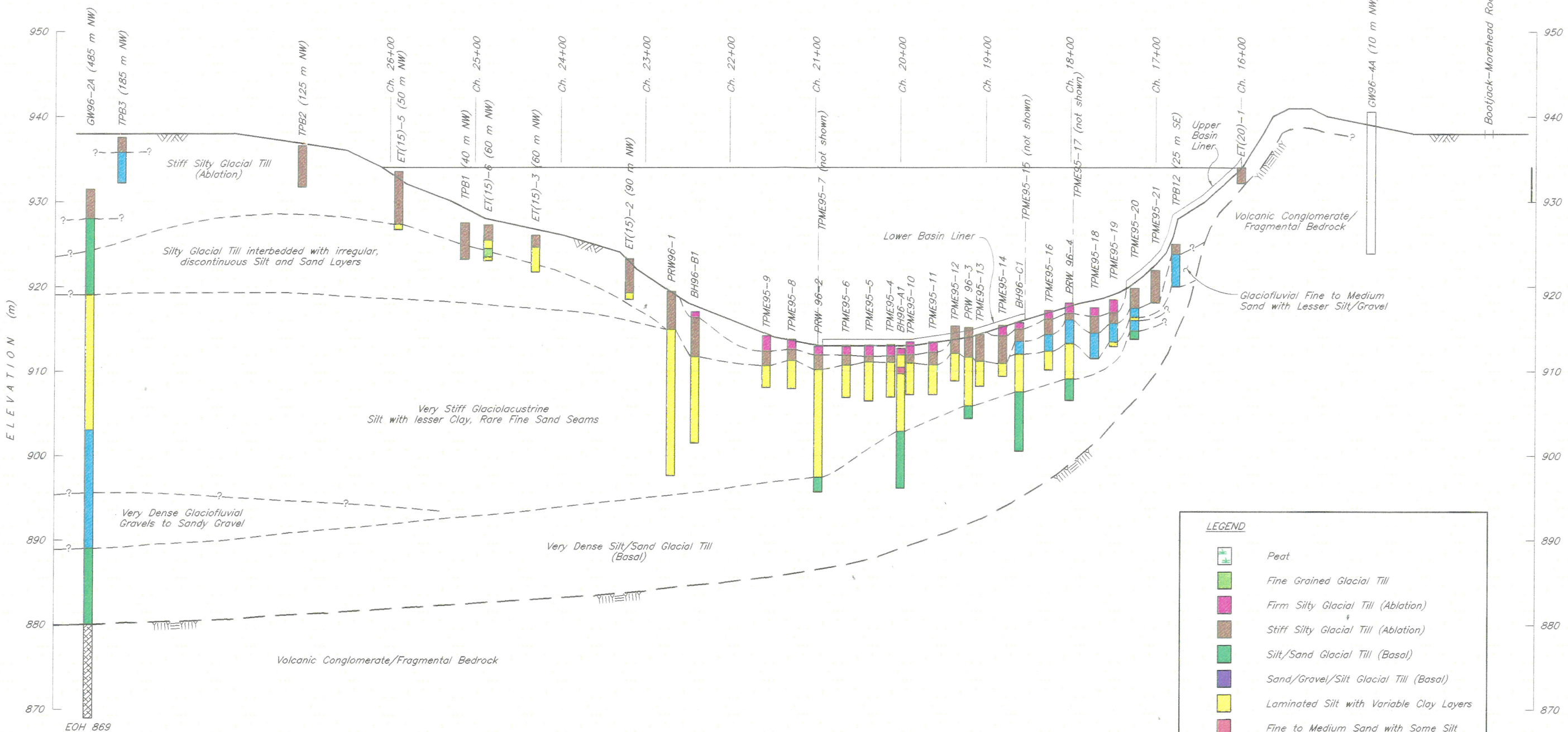
SCALE AS SHOWN

DRG. NO. 1627.003

REV. 0

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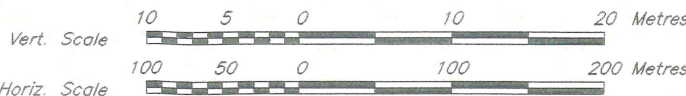
(MAIN EMBANKMENT CENTRELINE)



LEGEND

- Peat
- Fine Grained Glacial Till
- Firm Silty Glacial Till (Ablation)
- Stiff Silty Glacial Till (Ablation)
- Silt/Sand Glacial Till (Basal)
- Sand/Gravel/Silt Glacial Till (Basal)
- Laminated Silt with Variable Clay Layers
- Fine to Medium Sand with Some Silt
- Medium Sand with Variable Gravel/Silt
- Bedrock
- Top of Ground Surface
- Top of Bedrock Surface
- Geological Contact
- (70 m NE) Offset Distance of Test Pit from Geological Plane

NOTE: Not all investigations are shown on this section, but the results have been used in the interpretation of the geological conditions.



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DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED	REV.	DATE	DESCRIPTION	APPROVED	DATE	SCALE AS SHOWN	DRG. NO.	REV.
	REFERENCE DRAWINGS			REVISIONS				REVISIONS		MAY 16, 1997	SCALE AS SHOWN	1627.004	0

KNIGHT PIESOLD LIMITED
CONSULTING ENGINEERS - VANCOUVER, B.C.

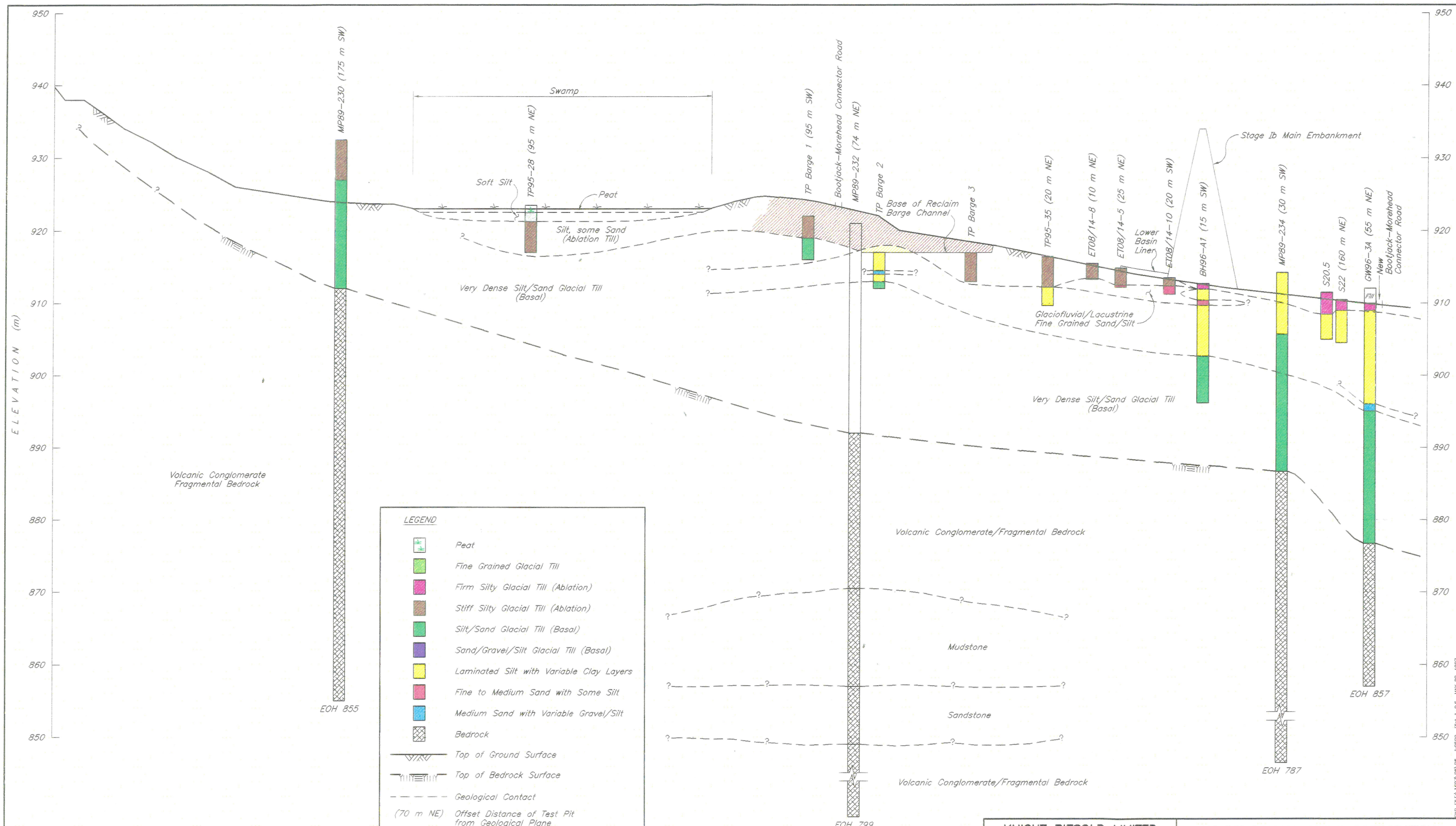
DESIGNED: PJP
DRAWN: NAR
CHECKED: KOE
APPROVED: KJB

PROVINCIAL ENGINEER
K. D. K. ENGINEER

MOUNT POLLEY MINING CORPORATION
MOUNT POLLEY PROJECT
TAILINGS STORAGE FACILITY
GEOLOGICAL INVESTIGATIONS
SECTION 3

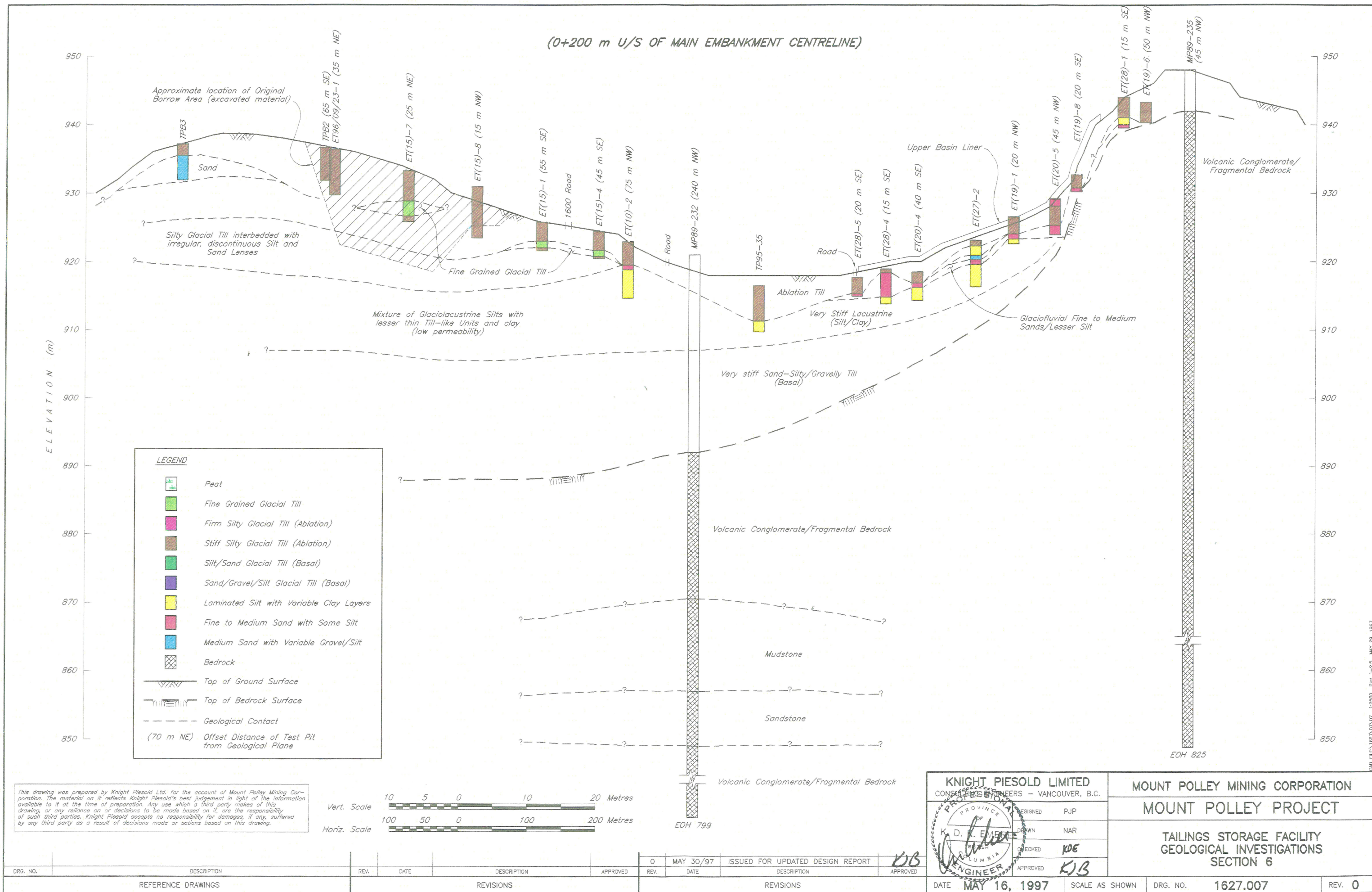
DATE: MAY 16, 1997
SCALE AS SHOWN
DRG. NO. 1627.004
REV. 0

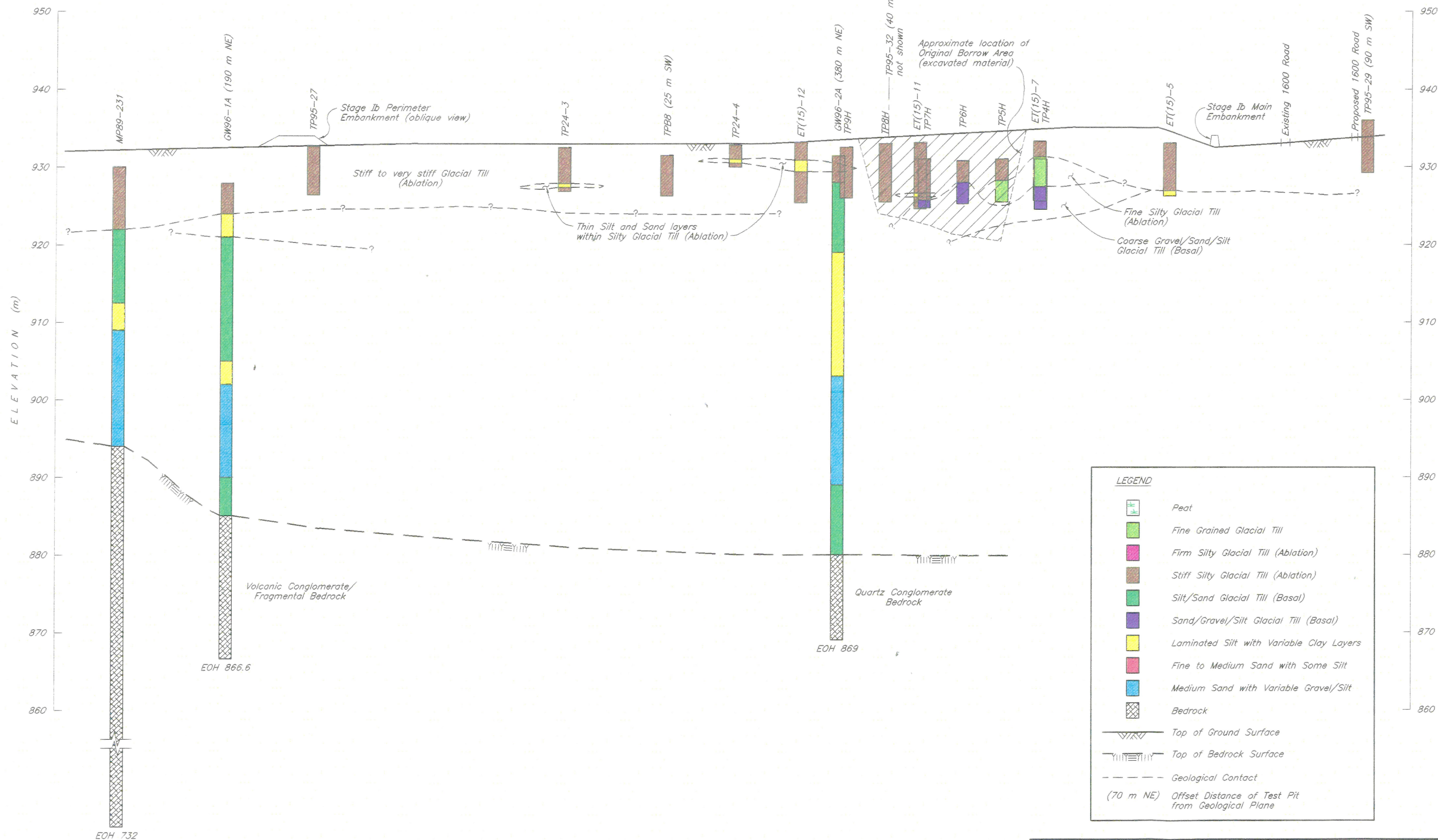
1627.004.DWG 1:25000 Plot 1-25.5 MAY 29, 1997



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												CHECKED KJB		GEOLOGICAL INVESTIGATIONS							
												APPROVED KJB		SECTION 4							
DRG. NO.	DESCRIPTION			REV.	DATE	DESCRIPTION			APPROVED	0	MAY 30/97	ISSUED FOR UPDATED DESIGN REPORT			KJB						
										REV.	DATE	DESCRIPTION			APPROVED						
REFERENCE DRAWINGS				REVISIONS				REVISIONS				DATE		MAY 16, 1997		SCALE AS SHOWN		DRG. NO. 1627.005		REV. 0	

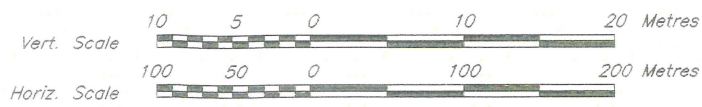




LEGEND

- Peat
- Fine Grained Glacial Till
- Firm Silty Glacial Till (Ablation)
- Stiff Silty Glacial Till (Ablation)
- Silty/Sand Glacial Till (Basal)
- Sand/Gravel/Silt Glacial Till (Basal)
- Laminated Silt with Variable Clay Layers
- Fine to Medium Sand with Some Silt
- Medium Sand with Variable Gravel/Silt
- Bedrock
- Top of Ground Surface
- Top of Bedrock Surface
- Geological Contact
- (70 m NE) Offset Distance of Test Pit from Geological Plane

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KNIGHT-PIESOLD LIMITED
 CONSULTING ENGINEERS - VANCOUVER, B.C.

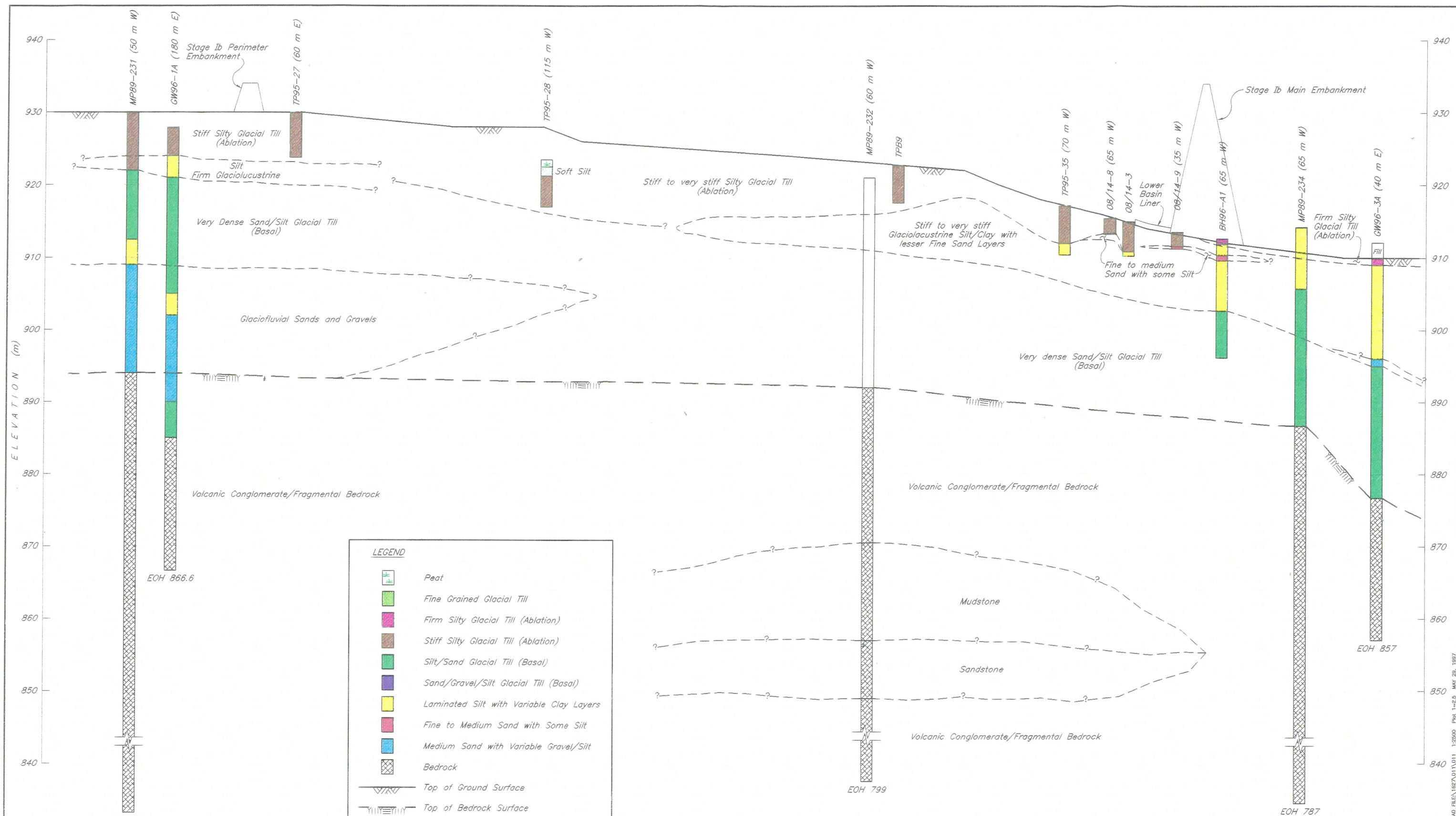
DESIGNED: PJP
 DRAWN: NAR
 CHECKED: WDE
 APPROVED: KJB

ENGINEER

MOUNT POLLEY MINING CORPORATION	
MOUNT POLLEY PROJECT	
TAILINGS STORAGE FACILITY GEOLOGICAL INVESTIGATIONS SECTION 8	
DATE	MAY 16, 1997
SCALE	AS SHOWN
DRG. NO.	1627.009
REV.	0

DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED
	REFERENCE DRAWINGS			REVISIONS	

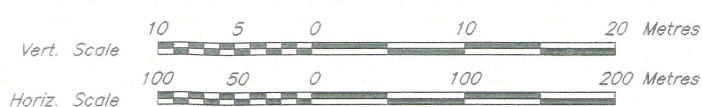
EAD FILE 1627.009/09 1:25000 Plot 1-25 MAY 29, 1987



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LEGEND

- Peat
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- Top of Bedrock Surface
- Geological Contact
- (70 m NE) Offset Distance of Test Pit from Geological Plane



Knight Piesold Limited
CONSULTING ENGINEERS - VANCOUVER, B.C.

DESIGNED: PJP
DRAWN: NAR
CHECKED: *WDE*
APPROVED: *KJB*

K. D. K. DMBREE
BRITISH COLUMBIA
REGISTERED PROFESSIONAL ENGINEER

MOUNT POLLEY MINING CORPORATION	
MOUNT POLLEY PROJECT	
TAILINGS STORAGE FACILITY GEOLOGICAL INVESTIGATIONS SECTION 10	
DATE: MAY 16, 1997	SCALE AS SHOWN
DRG. NO. 1627.011	REV. 0

DRG. NO.	DESCRIPTION	REV.	DATE	DESCRIPTION	APPROVED
	REFERENCE DRAWINGS			REVISIONS	

0	MAY 29/97	ISSUED FOR UPDATED DESIGN REPORT	<i>KJB</i>
REV.	DATE	DESCRIPTION	APPROVED

240 FILE 1627.011.011 1:2500 Plot 1-2.5 MAY 29, 1997

