

FIG.2

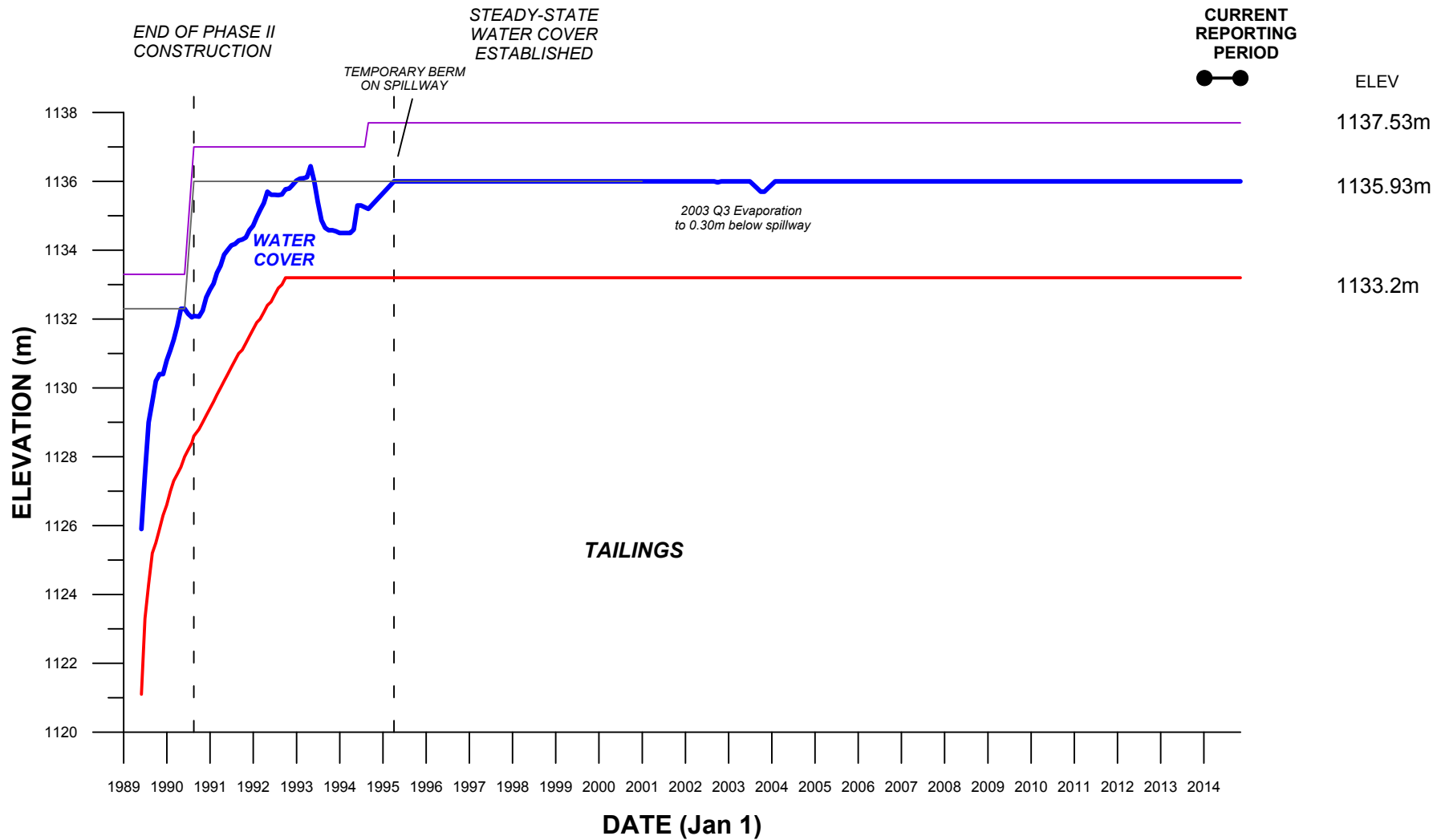
INMET MINING CORPORATION
 SAMATOSUM PROJECT
 BARRIERE, B.C.
 1997/1998 ANNUAL GEOTECHNICAL INSPECTION REPORT

PITEAU ASSOCIATES
 GEOTECHNICAL AND
 HYDROGEOLOGICAL CONSULTANTS
 VANCOUVER CALGARY

**GENERAL ARRANGEMENT OF
 TAILINGS DISPOSAL FACILITY**

BY:	DATE:
TMC/CV	JUN 99
APPROVED:	DWG:

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LEGEND

- WATER COVER
- TAILINGS
- EMBANKMENT CREST
- SPILLWAY CREST

2014 CDA Checklist

**TAILINGS IMPOUNDMENT
FILLING HISTORY**

BY: Rev BH

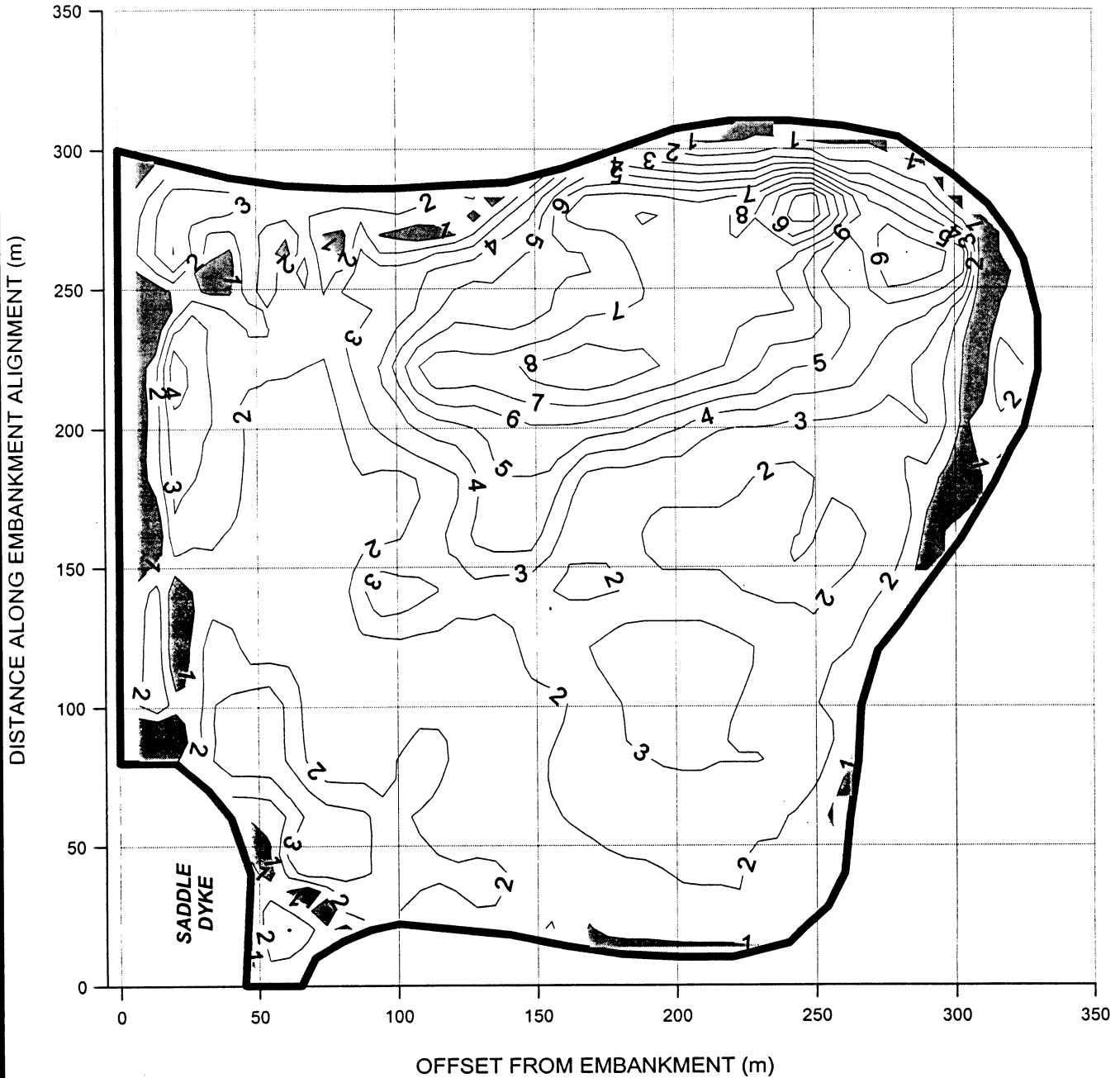
DATE: Nov2014

APPROVED:

FIG:

3

CONTOUR INTERVAL = 1m



NOTE: SHADED AREAS INDICATE WATER COVER DEPTH < 1m

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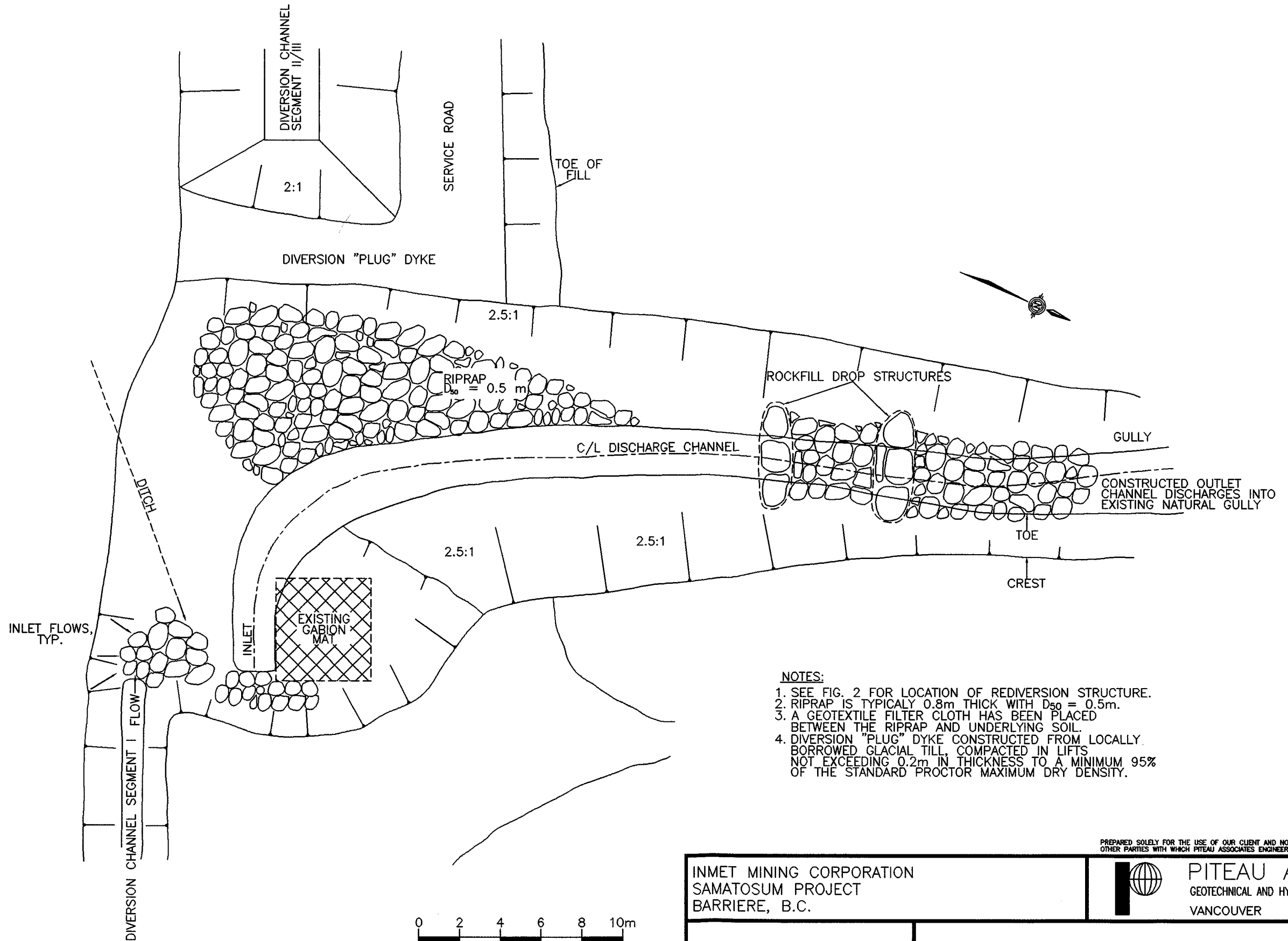
DEPTH OF WATER COVER IN IMPOUNDMENT

BY:
TMC

DATE:
JUN 99

APPROVED:

FIG:
4



NOTES:

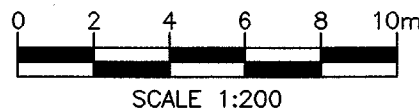
1. SEE FIG. 2 FOR LOCATION OF REDIVERSION STRUCTURE.
2. RIPRAP IS TYPICALLY 0.8m THICK WITH $D_{50} = 0.5m$.
3. A GEOTEXTILE FILTER CLOTH HAS BEEN PLACED BETWEEN THE RIPRAP AND UNDERLYING SOIL.
4. DIVERSION "PLUG" DYKE CONSTRUCTED FROM LOCALLY BORROWED GLACIAL TILL, COMPACTED IN LIFTS NOT EXCEEDING 0.2m IN THICKNESS TO A MINIMUM 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY.

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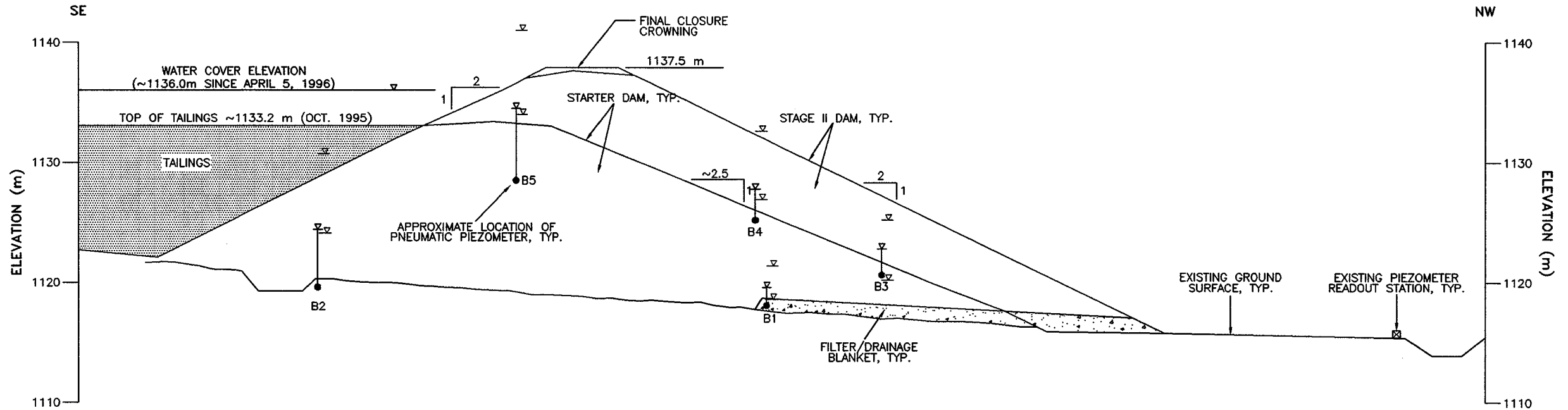
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**AS-BUILT PLAN OF
REDIVERSION STRUCTURE**

BY: ATH/cz	DATE: JUNE 99
APPROVED: <i>[Signature]</i>	FIG: 5



SUMMARY OF PNEUMATIC PIEZOMETER RANGES

	B1		B2		B3		B4		B5	
	kPa	m-geod	kPa	m-geod	kPa	m-geod	kPa	m-geod	kPa	m-geod
HISTORICAL HIGH	40.0	1121.4	122.5	1130.7	51.5	1125.2	76.5	1132.6	125.5	1141.0
HISTORICAL LOW	13.0	1118.6	58.0	1124.1	3.0	1120.2	21.0	1126.9	57.0	1134.0
REPORTING PERIOD HIGH	32.0	1120.6	82.0	1126.6	40.0	1124.0	45.0	1129.4	81.0	1136.5
REPORTING PERIOD LOW	13.0	1118.6	58.0	1124.1	28.0	1122.8	29.0	1127.8	57.0	1134.0
END OF REPORTING PERIOD	23.0	1119.6	61.0	1124.4	28.0	1122.8	29.0	1127.8	61.5	1134.5

- ▽ HISTORICAL HIGH
- ▽ EQUIVALENT TOTAL HEAD AT END OF REPORTING PERIOD (MAY OR MAY NOT BE HYDROSTATIC)
- ▽ HISTORICAL LOW
- B4 LOCATION OF PNEUMATIC PIEZOMETER

NOTES: SEE FIG.6 FOR LOCATION OF SECTION



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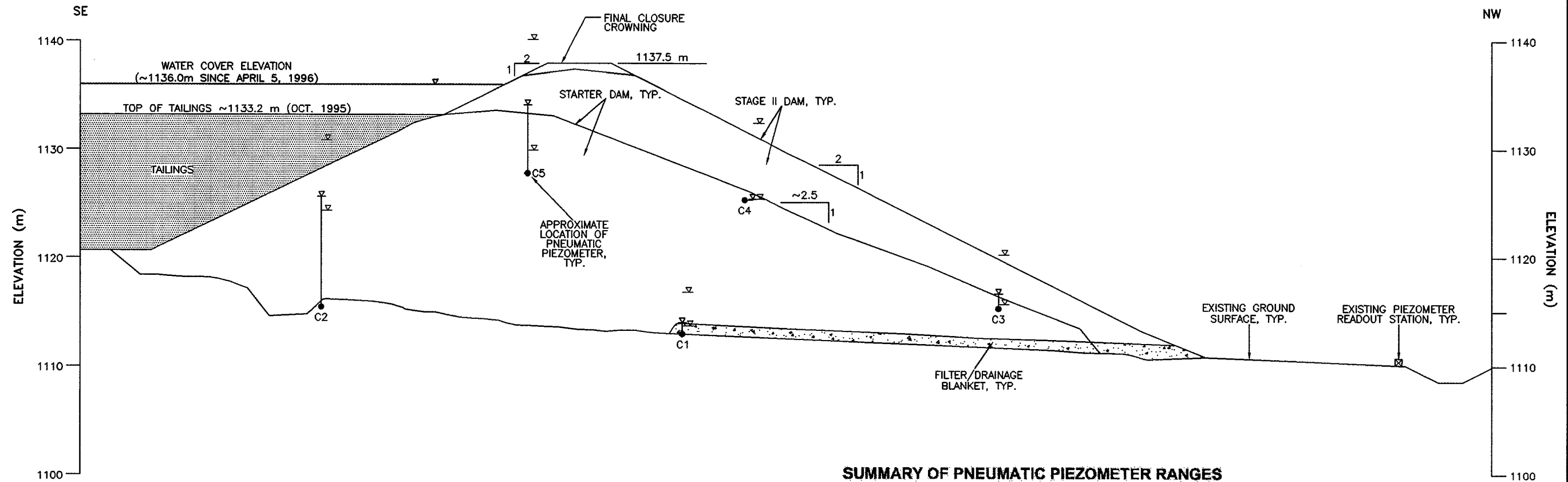


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SECTION B-B'
THROUGH MAIN EMBANKMENT

BY: ATH/cz DATE: JUNE 99
APPROVED: [Signature] FIG: 7A

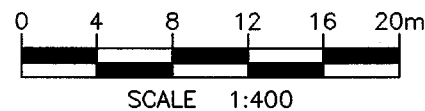


SUMMARY OF PNEUMATIC PIEZOMETER RANGES



	C1		C2		C3		C4		C5	
	kPa	m-geod	kPa	m-geod	kPa	m-geod	kPa	m-geod	kPa	m-geod
HISTORICAL HIGH	34.0	1116.8	150.5	1130.8	49.5	1120.3	74.0	1132.4	117.0	1140.1
HISTORICAL LOW	4.0	1113.7	87.0	1124.3	5.0	1115.7	6.0	1125.4	17.0	1129.9
REPORTING PERIOD HIGH	25.0	1115.9	120.0	1127.7	24.0	1117.7	22.0	1127.0	73.0	1135.7
REPORTING PERIOD LOW	4.0	1113.7	100.0	1125.6	5.0	1115.7	6.0	1125.4	53.0	1133.6
END OF REPORTING PERIOD	7.0	1114.0	100.0	1125.6	15.0	1116.7	6.0	1125.4	58.0	1134.1

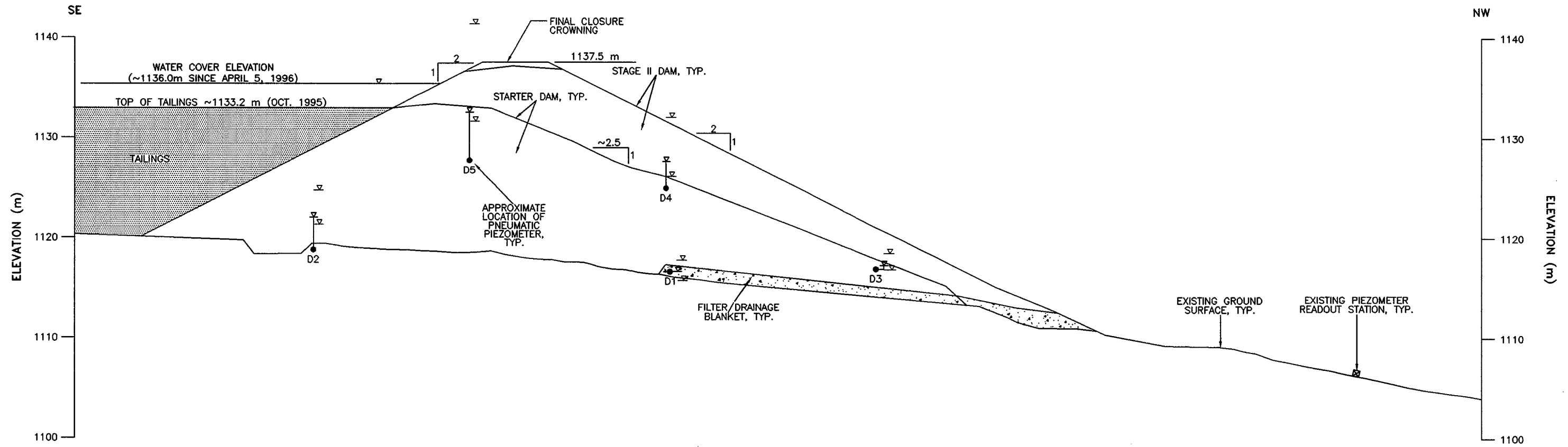
- ▽ HISTORICAL HIGH
- ▽ EQUIVALENT TOTAL HEAD AT END OF REPORTING PERIOD (MAY OR MAY NOT BE HYDROSTATIC)
- ▽ HISTORICAL LOW
- C5 LOCATION OF PNEUMATIC PIEZOMETER

NOTE: SEE FIG.6 FOR LOCATION OF SECTION



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SUMMARY OF PNEUMATIC PIEZOMETER RANGES

	D1		D2		D3		D4		D5	
	kPa	m-geod	kPa	m-geod	kPa	m-geod	kPa	m-geod	kPa	m-geod
HISTORICAL HIGH	21.0	1117.7	58.0	1124.7	18.0	1118.4	69.5	1132.0	129.5	1141.3
HISTORICAL LOW	1.0	1115.7	24.0	1121.3	2.0	1116.8	12.0	1126.1	34.0	1131.6
REPORTING PERIOD HIGH	20.0	1117.6	39.0	1122.8	11.0	1117.7	35.0	1128.5	58.0	1134.0
REPORTING PERIOD LOW	1.0	1115.7	24.0	1121.3	4.0	1117.0	22.0	1127.1	34.0	1131.6
END OF REPORTING PERIOD	10.0	1118.6	31.0	1122.0	6.0	1117.2	26.0	1127.6	43.5	1132.5

- ▽ HISTORICAL HIGH
- ▽ EQUIVALENT TOTAL HEAD AT END OF REPORTING PERIOD (MAY OR MAY NOT BE HYDROSTATIC)
- ▽ HISTORICAL LOW
- D4 LOCATION OF PNEUMATIC PIEZOMETER

NOTE: SEE FIG.5 FOR LOCATION OF SECTION



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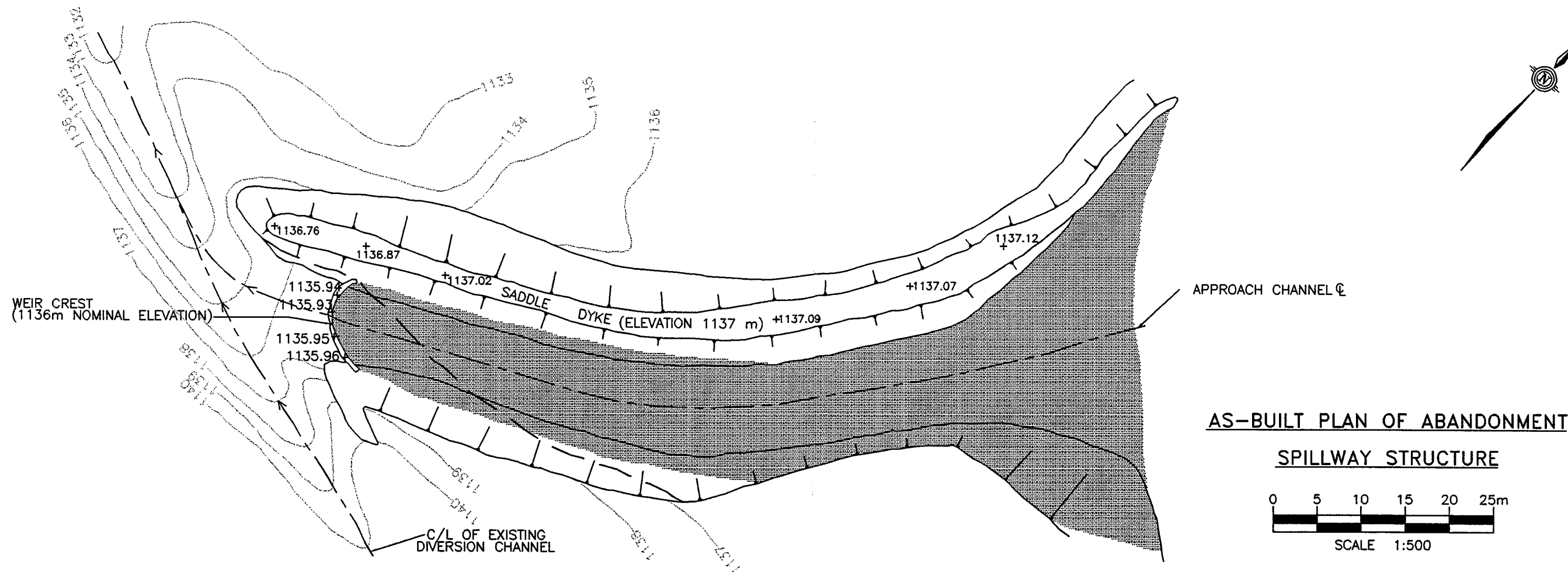
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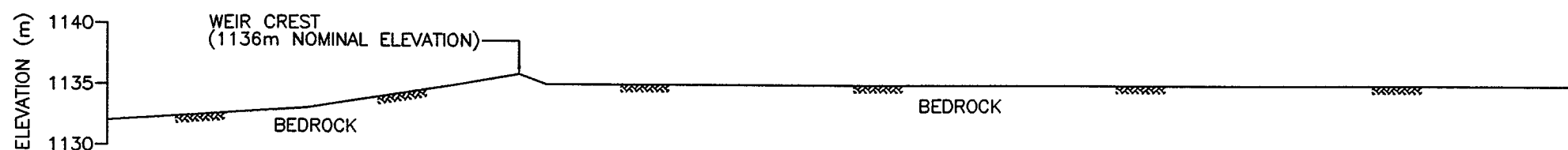
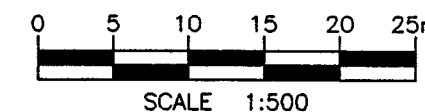
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SECTION D-D'
THROUGH MAIN EMBANKMENT

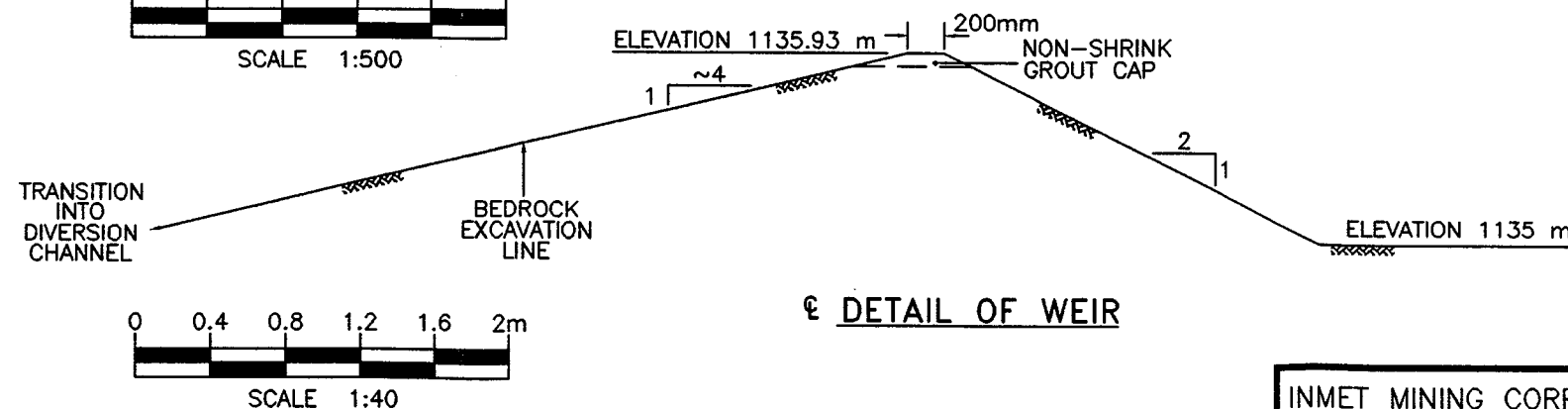
BY: ATH/cz DATE: JUNE 99
APPROVED: *[Signature]* FIG: 7C



**AS-BUILT PLAN OF ABANDONMENT
SPILLWAY STRUCTURE**



€ PROFILE ALONG APPROACH CHANNEL + WEIR



€ DETAIL OF WEIR

NOTES:

1. ORIGINAL TOPOGRAPHY BASED ON SURVEY CONDUCTED BY METALL IN AUGUST 1994.
2. MAXIMUM INVERT ELEVATION OF APPROACH CHANNEL IS 1135.0m.
3. FLOODED AREA BELOW ELEVATION 1136m IS SHADED.
4. SEE FIG. 2 FOR LOCATION OF ABANDONMENT SPILLWAY STRUCTURE.

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**AS-BUILT PLAN OF
ABANDONMENT SPILLWAY STRUCTURE**

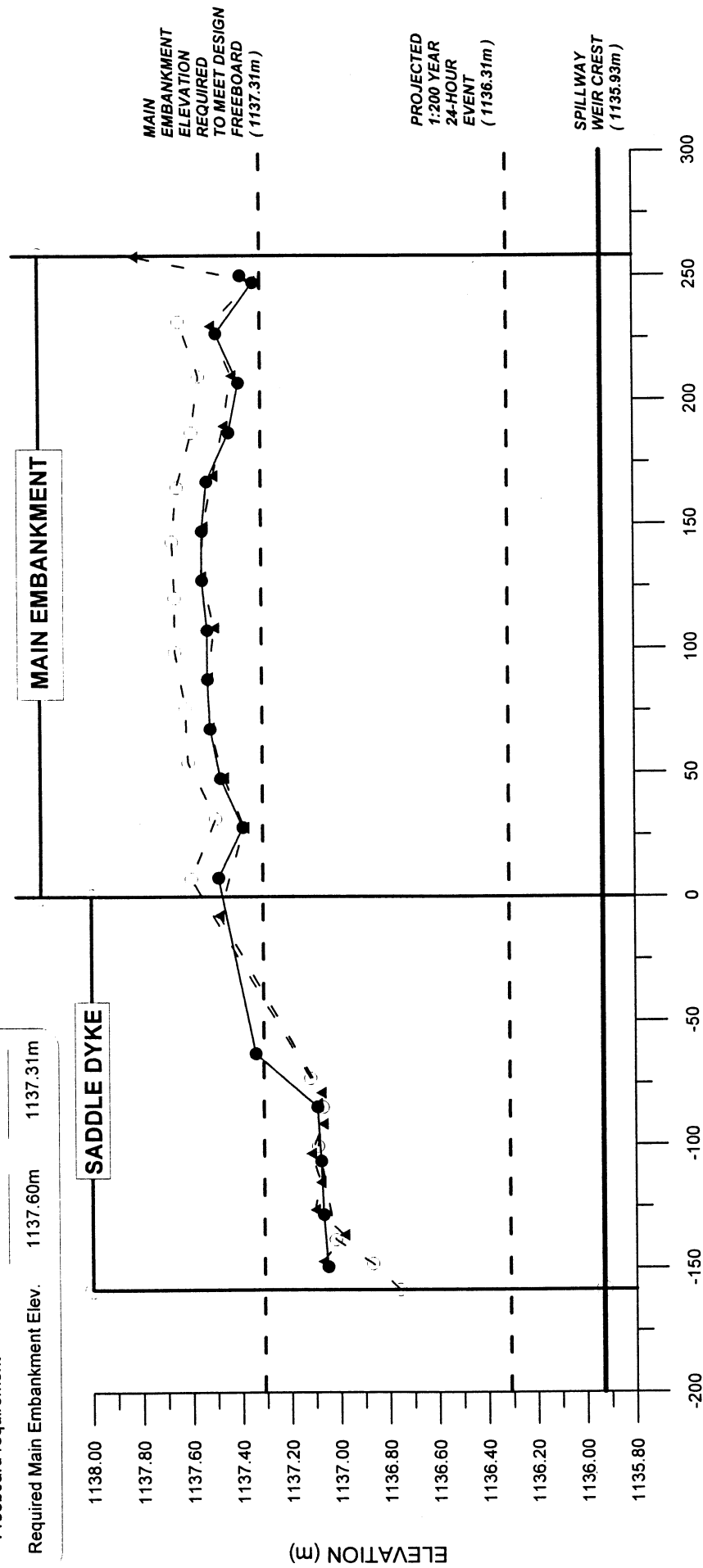
BY: ATH/cz	DATE: JUNE 99
APPROVED: 	FIG: 8

MAIN EMBANKMENT ELEVATION REQUIREMENTS

	DESIGN	AS-BUILT
Crest of Concrete Weir	1136.00m	1135.93m
1:200 yr 24-hour event	0.60m	0.38m
Freeboard requirement	1.00m	1.00m
Required Main Embankment Elev.	1137.60m	1137.31m

SET-OUT POINT
5,671,909.2m N
303,948.6m E

SET-OUT POINT
5,672,070.6m N
304,150.0m E



Notes: 1. Based on revised 1:200 year flood flow.

SCALE 1 : 2500H : 25V
Vertical Exaggeration = 100x

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<p>1997/1998 ANNUAL GEOTECHNICAL INSPECTION REPORT</p>	<p>BY: TMC/IRS</p>	<p>DATE: NOV 98</p>
	<p>APPROVED: <i>[Signature]</i></p>	<p>FIG: 9</p>

**PROFILE OF MAIN EMBANKMENT
AND SADDLE DYKE (1994, 1997,
AND 1998 SURVEYS)**