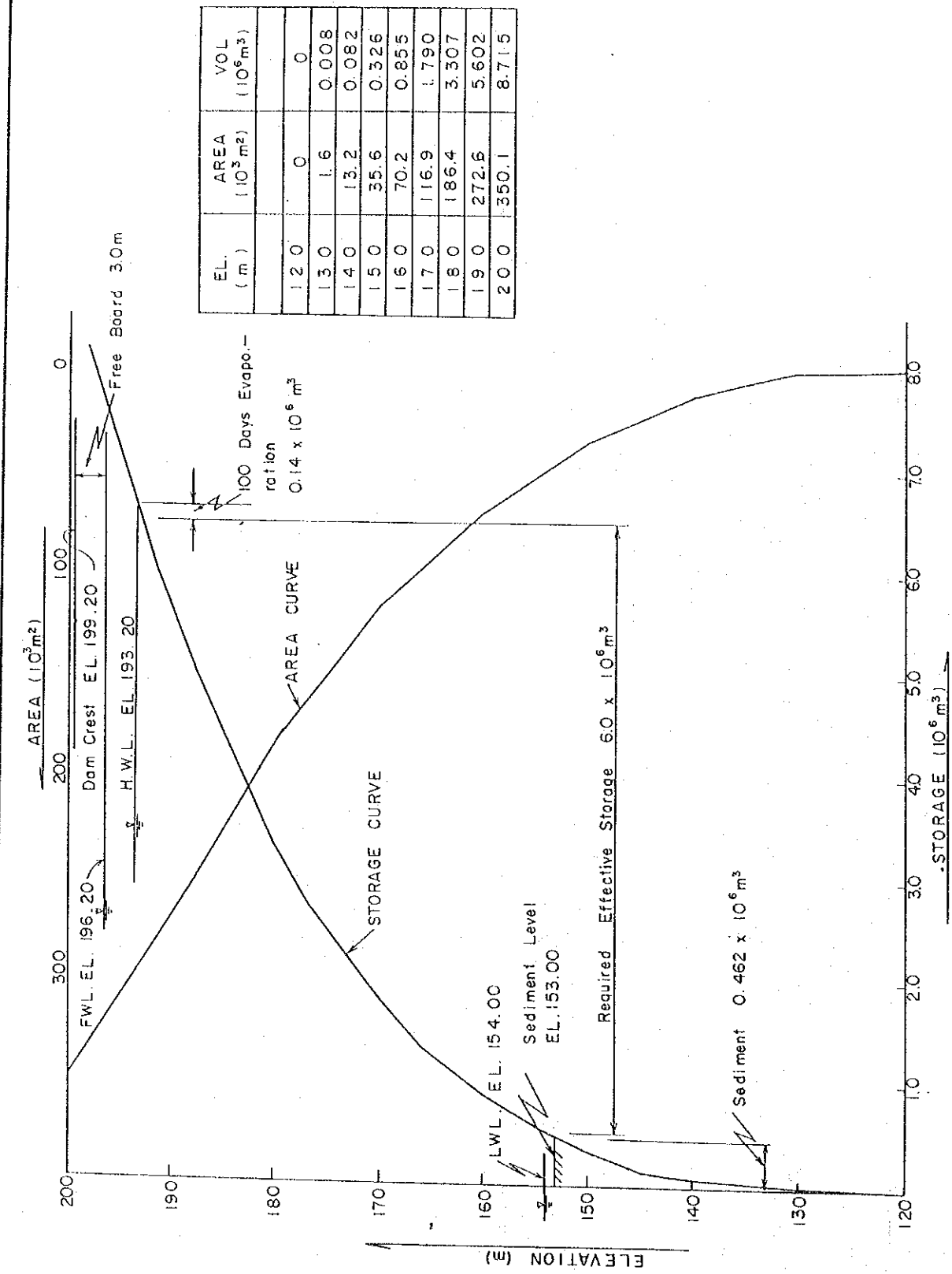
Fig. D.4.3



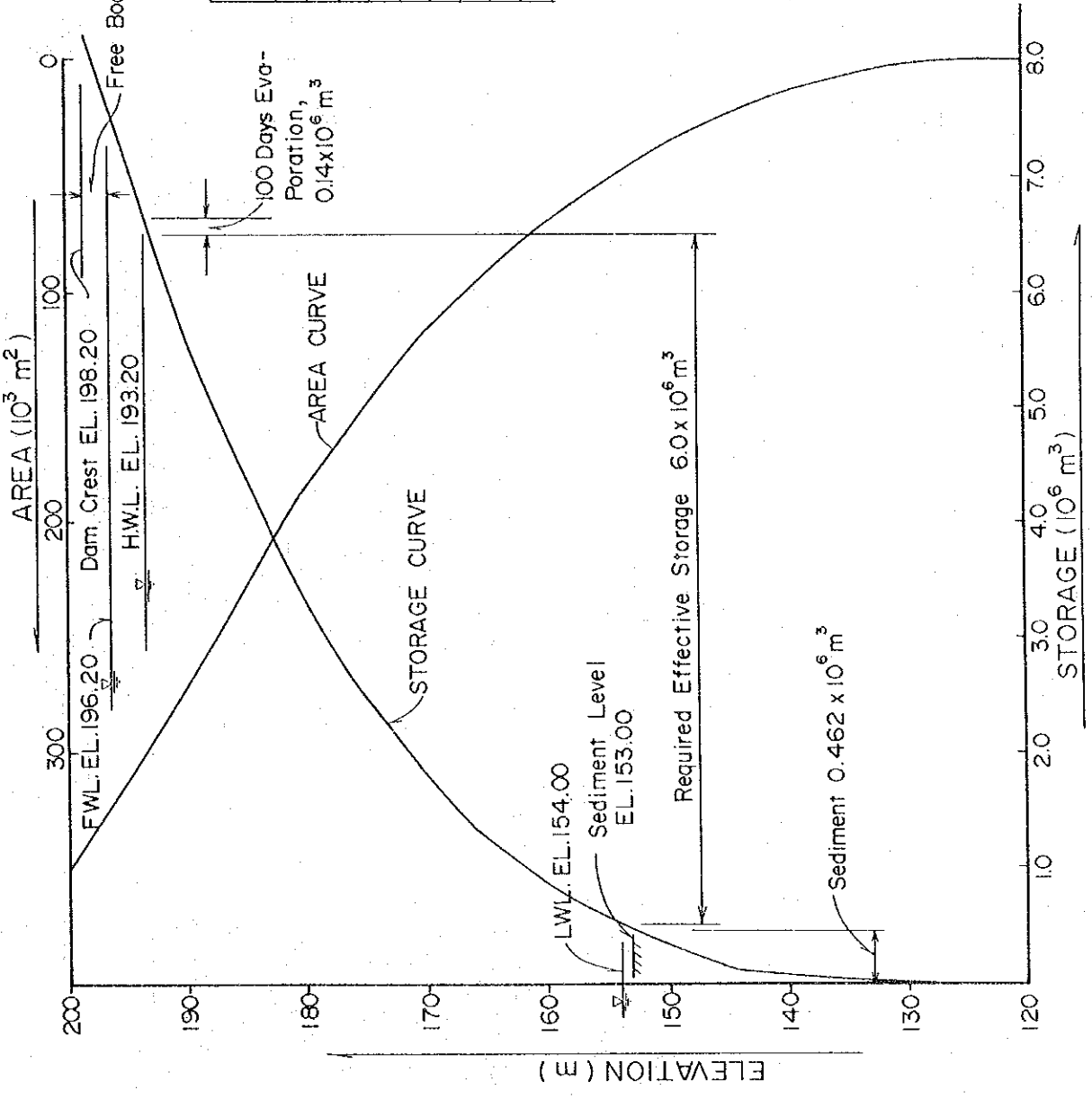
EL. (m)	AREA (10³m²)	VOL (10⁶m³)
120	0	0
130	1.6	0.008
140	13.2	0.082
150	35.6	0.326
160	70.2	0.855
170	116.9	1.790
180	186.4	3.307
190	272.6	5.602
200	350.1	8.715

WATER LEVELS AND DAM HEIGHT AT TRO SITE
(FILL TYPE DAM)

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. D.4.4

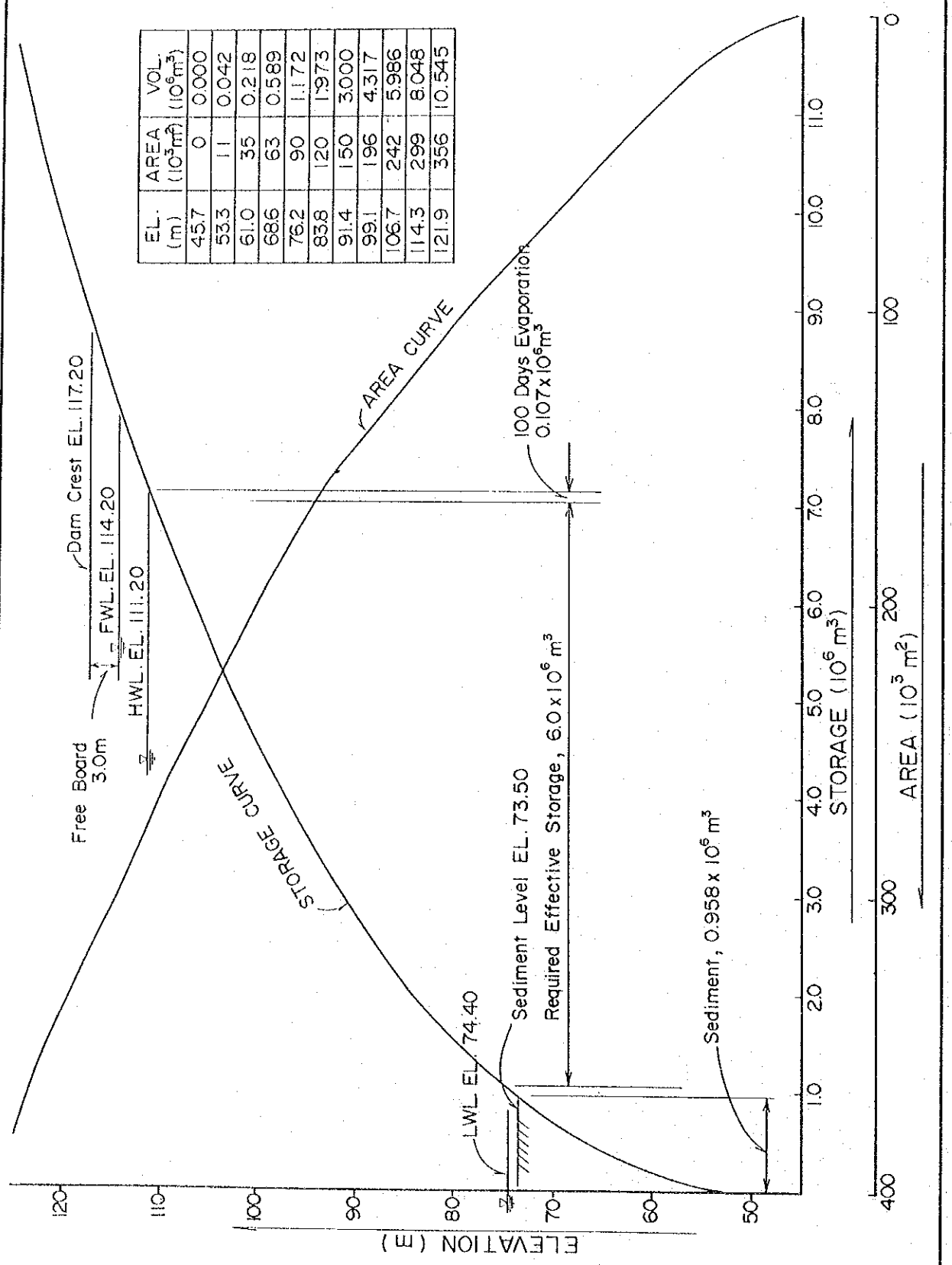
EL. (m)	AREA (10^3 m^2)	VOL. (10^6 m^3)
120	0	0
130	1.6	0.008
140	13.2	0.082
150	35.6	0.326
160	70.2	0.855
170	116.9	1.790
180	186.4	3.307
190	272.6	5.602
200	350.1	8.715



WATER LEVELS AND DAM HEIGHT AT TRO SITE (CONCRETE GRAVITY DAM)

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. D.4.5

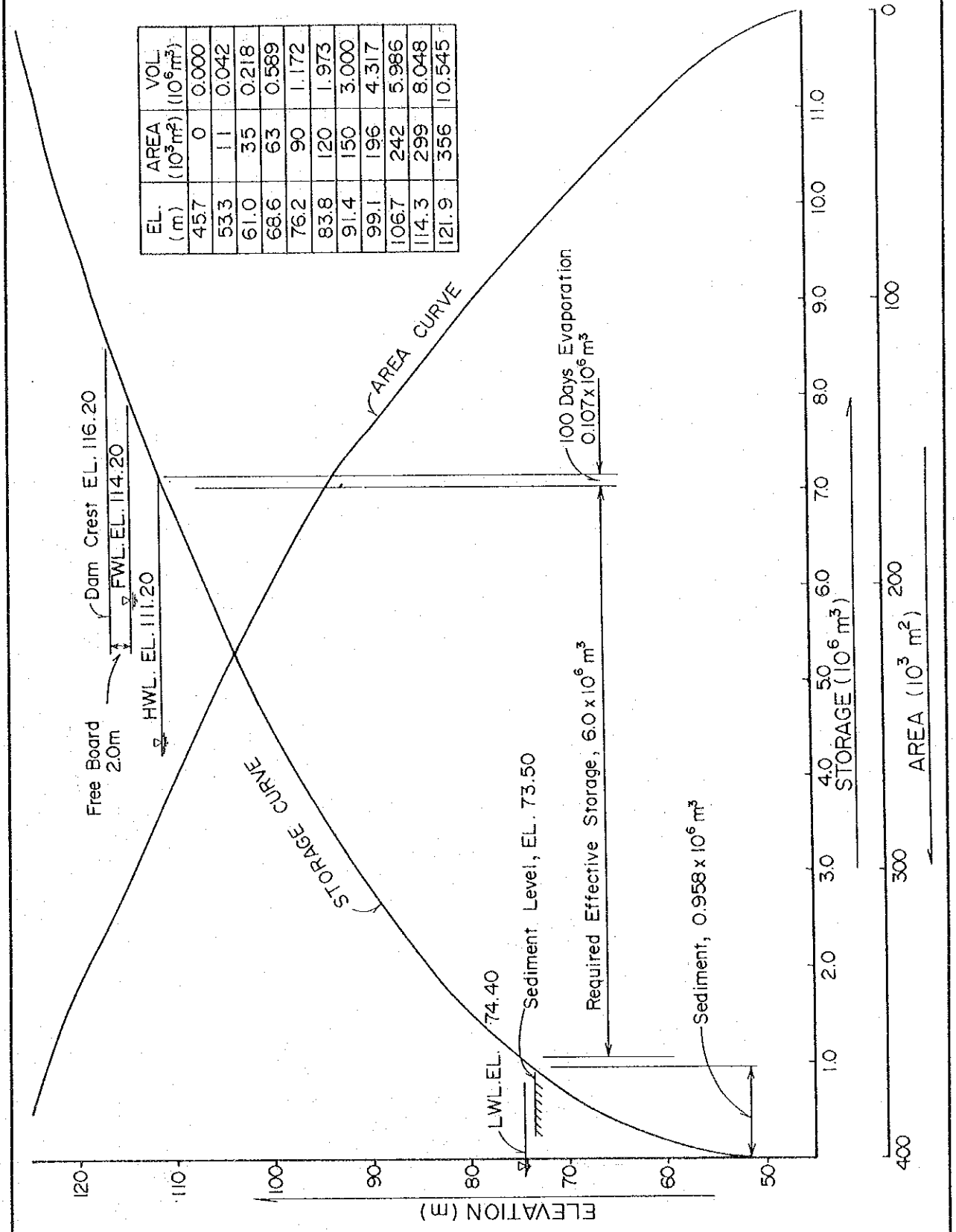


EL. (m)	AREA ($10^3 m^2$)	VOL. ($10^6 m^3$)
45.7	0	0.000
53.3	11	0.042
61.0	35	0.218
68.6	63	0.589
76.2	90	1.172
83.8	120	1.973
91.4	150	3.000
99.1	196	4.317
106.7	242	5.986
114.3	299	8.048
121.9	356	10.545

WATER LEVELS AND DAM HEIGHT AT NWO SITE
(FILL TYPE DAM)

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 0.4.6

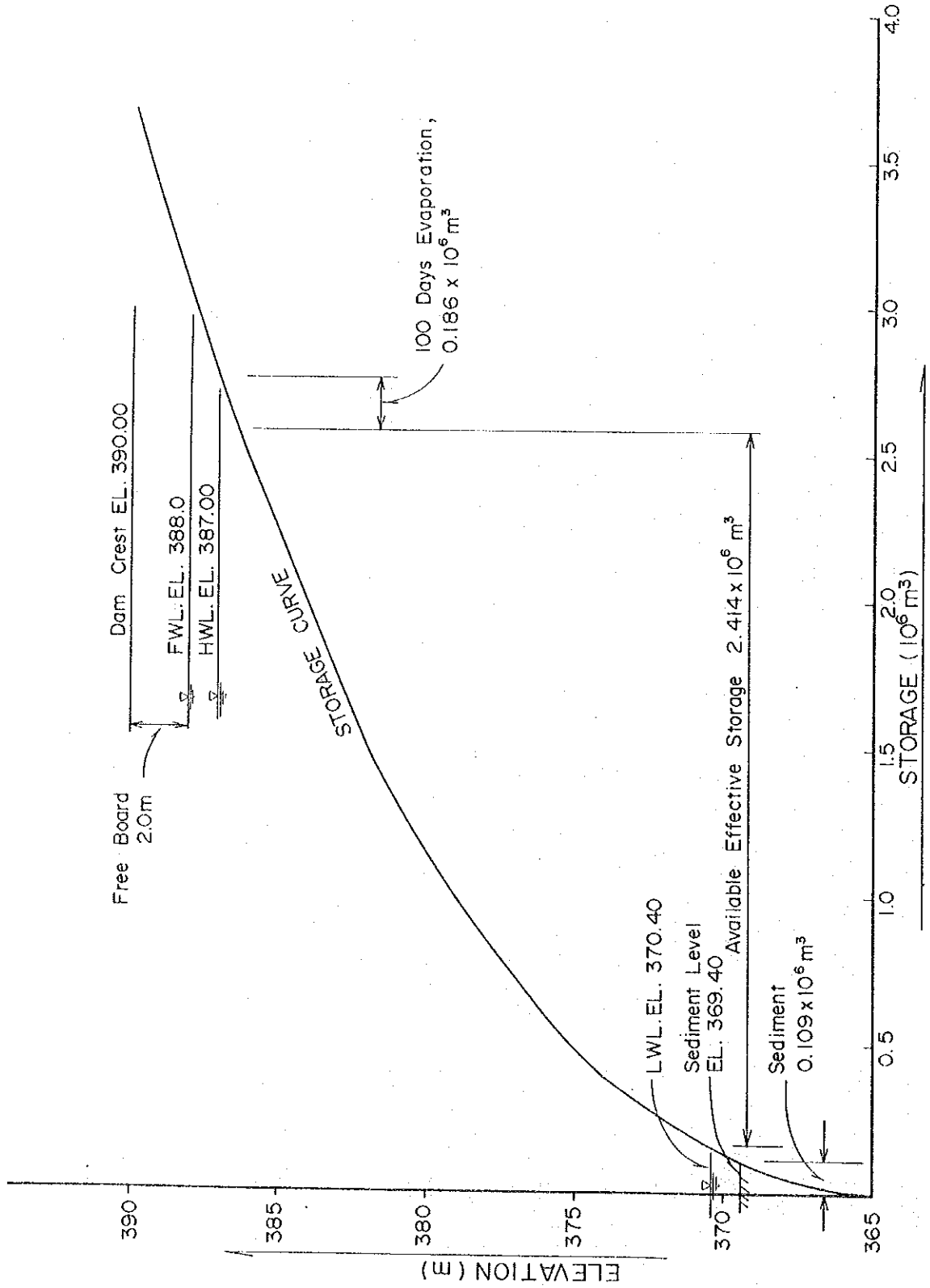


EL. (m)	AREA ($10^3 m^2$)	VOL. ($10^6 m^3$)
45.7	0	0.000
53.3	11	0.042
61.0	35	0.218
68.6	63	0.589
76.2	90	1.172
83.8	120	1.973
91.4	150	3.000
99.1	196	4.317
106.7	242	5.986
114.3	299	8.048
121.9	356	10.545

WATER LEVELS AND DAM HEIGHT
AT NWO SITE (CONCRETE GRAVITY DAM)

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

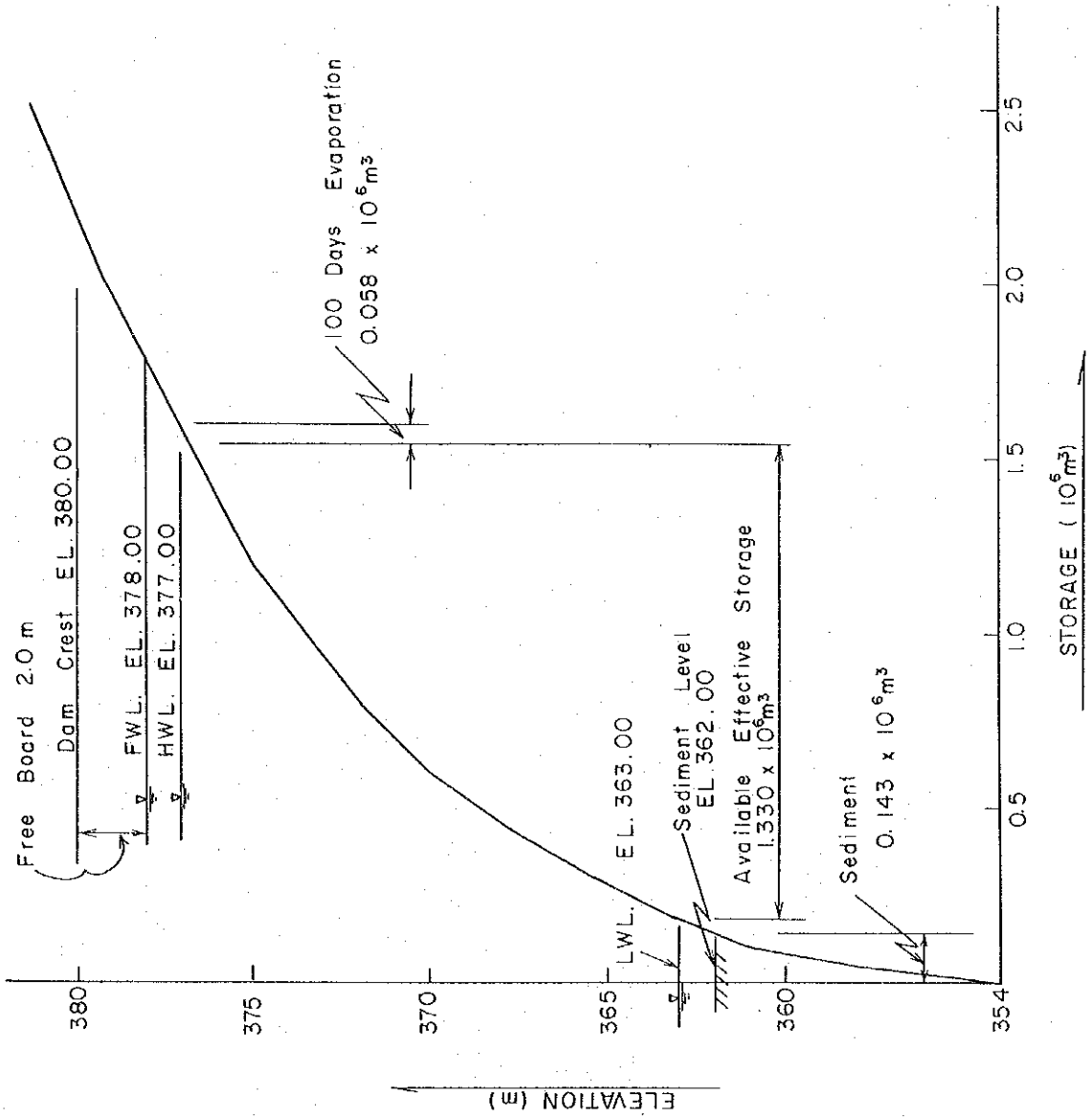
Fig. D.4.7



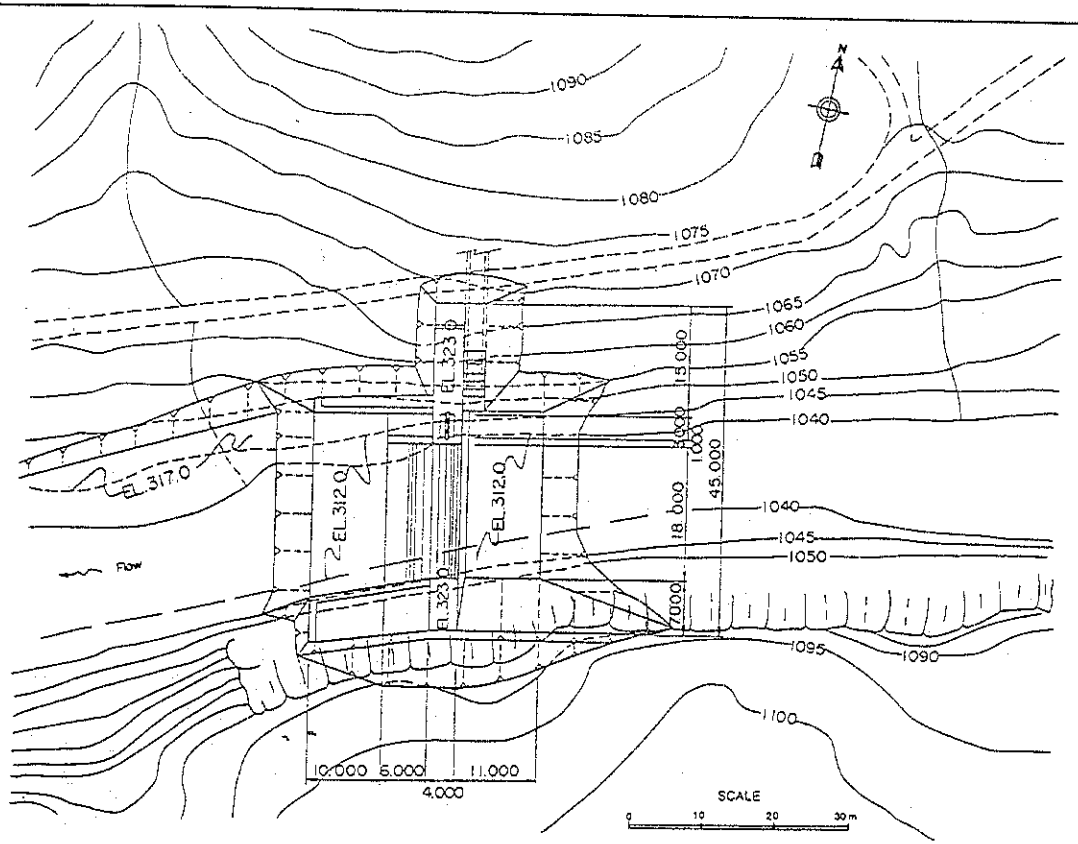
WATER LEVELS AND DAM HEIGHT AT TR9 SITE

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

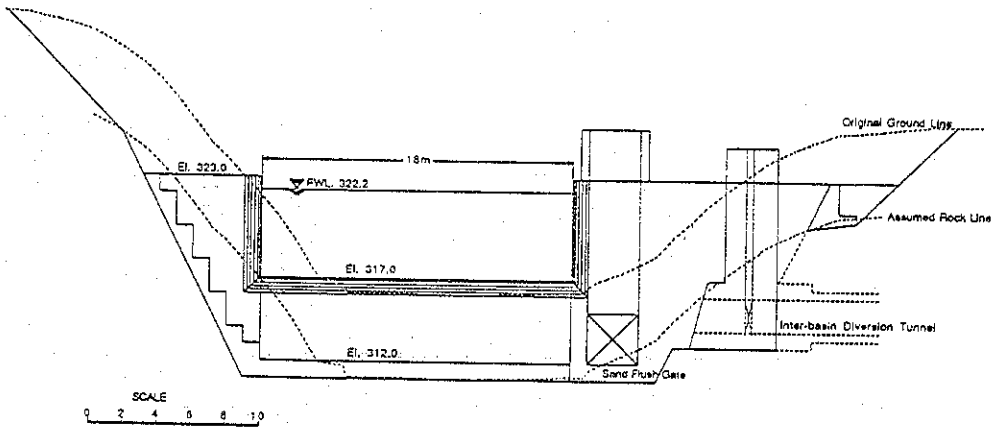
Fig. D.4.8



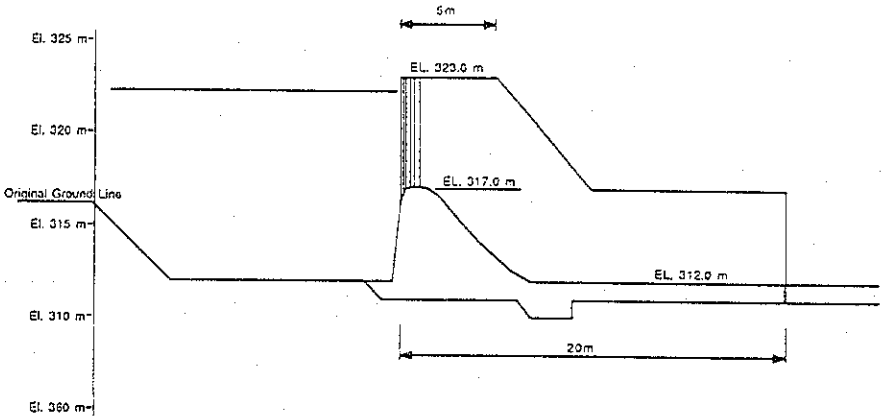
WATER LEVELS AND DAM HEIGHT AT CA2 SITE	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY



GENERAL PLAN



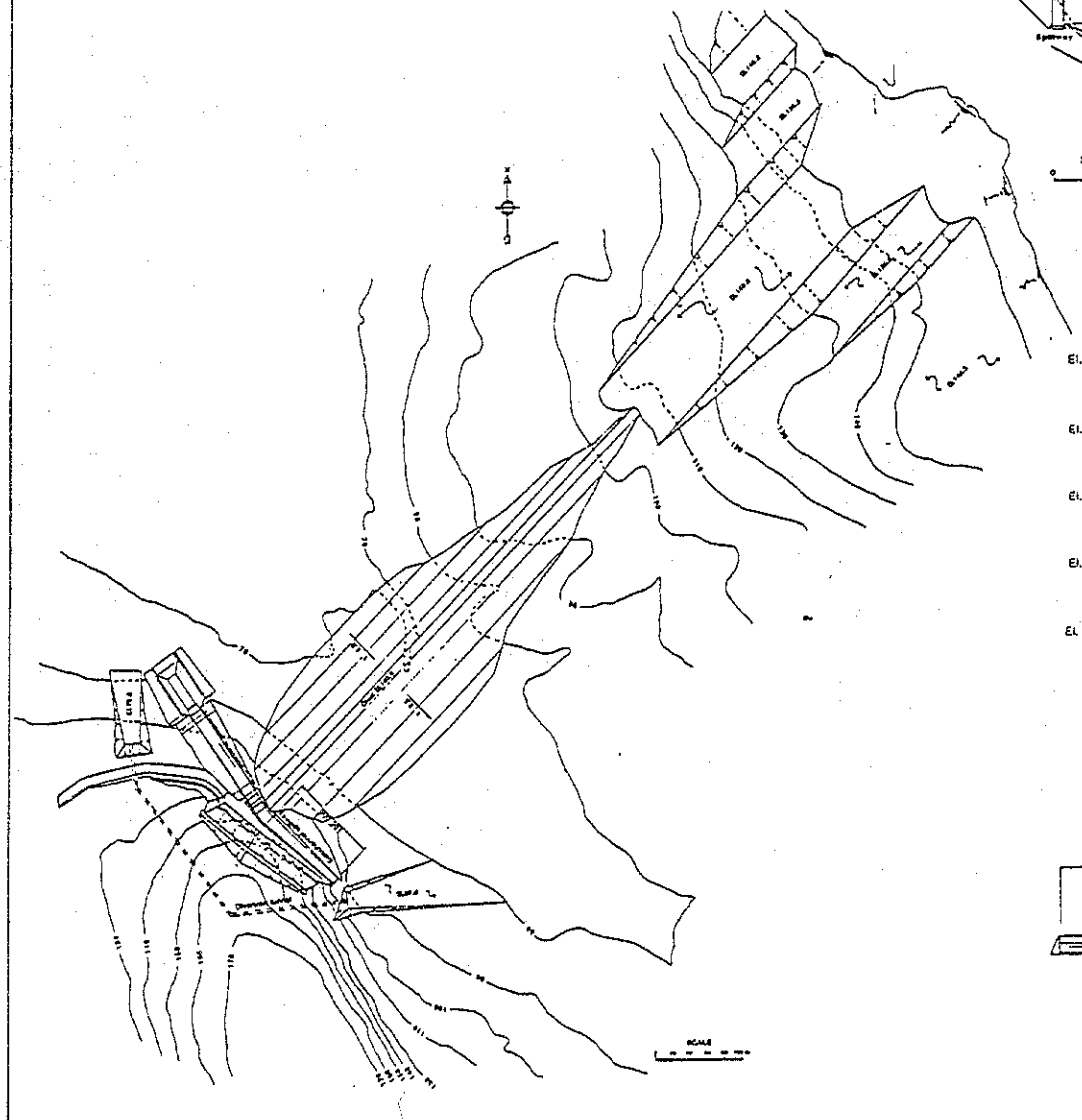
PROFILE



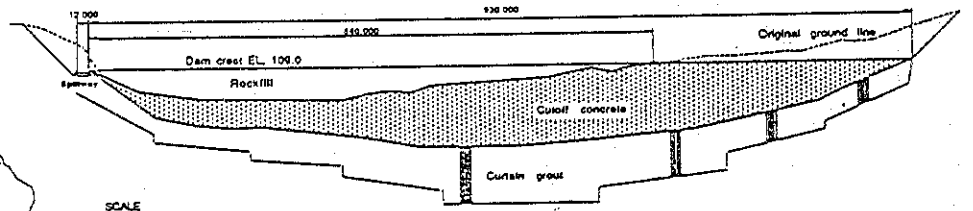
OVERFLOW SECTION

PRELIMINARY LAYOUT OF
BOCAGE-GUIBIES DAM SCHEME(1/2)

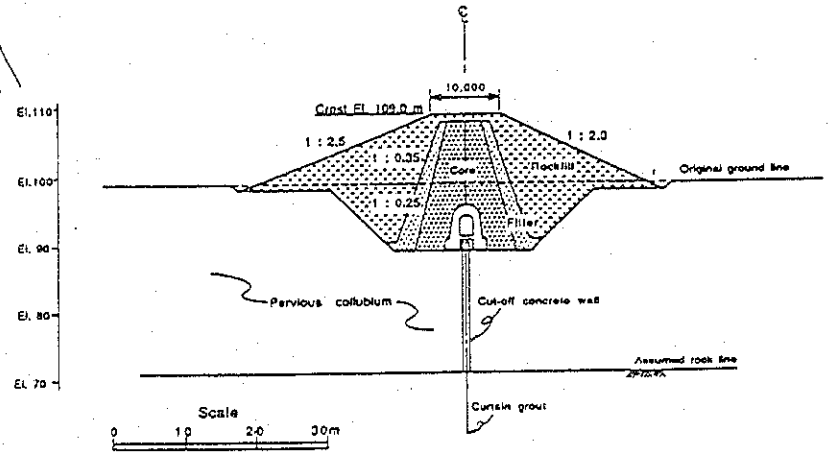
GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY



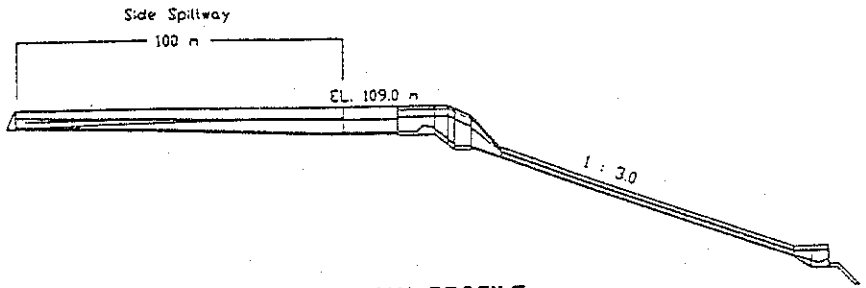
GENERAL PLAN



DAM PROFILE



TYPICAL CROSS SECTION

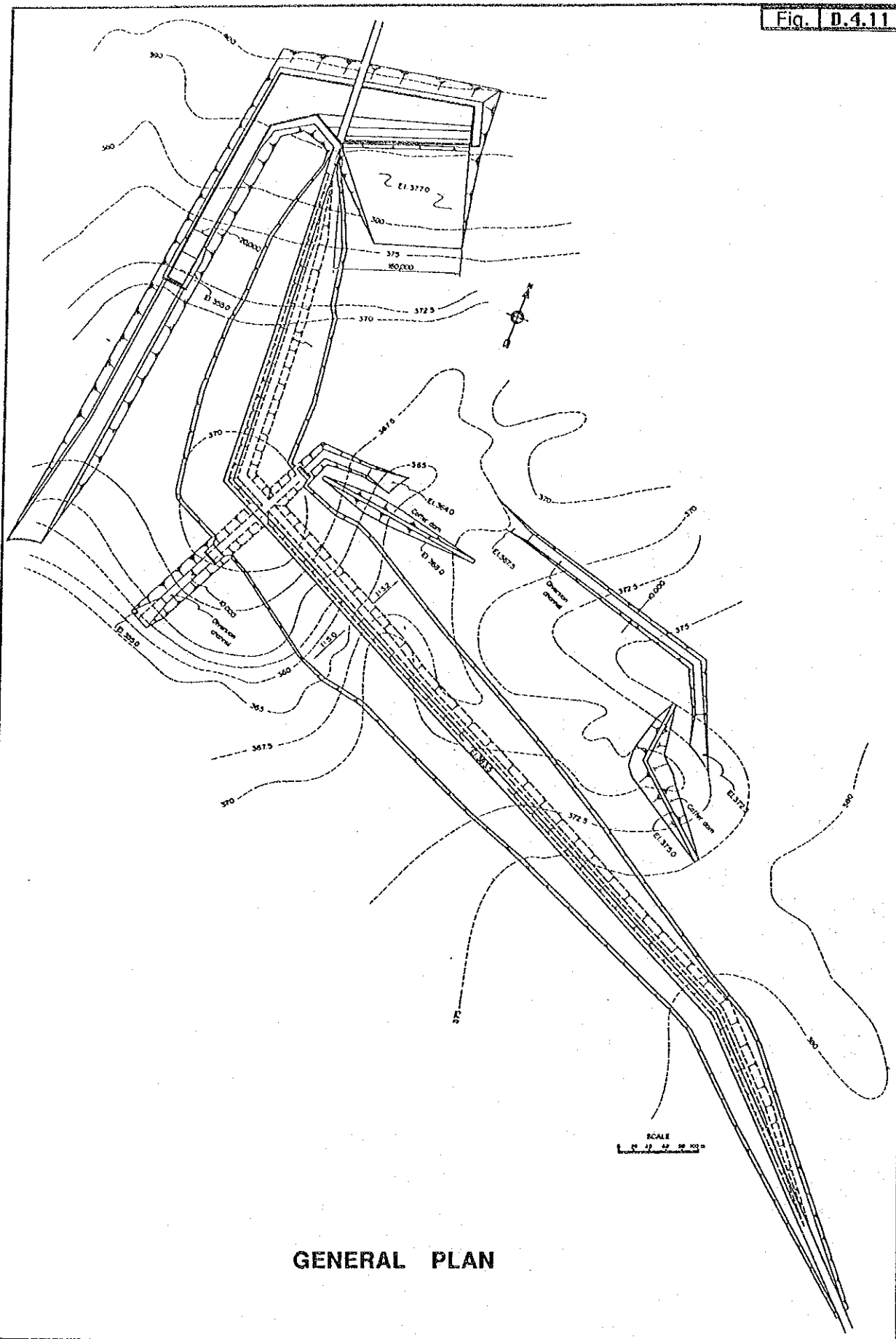


SPILLWAY PROFILE

PRELIMINARY LAYOUT OF
BOCAGE-GUIBIES DAM SCHEME(2/2)

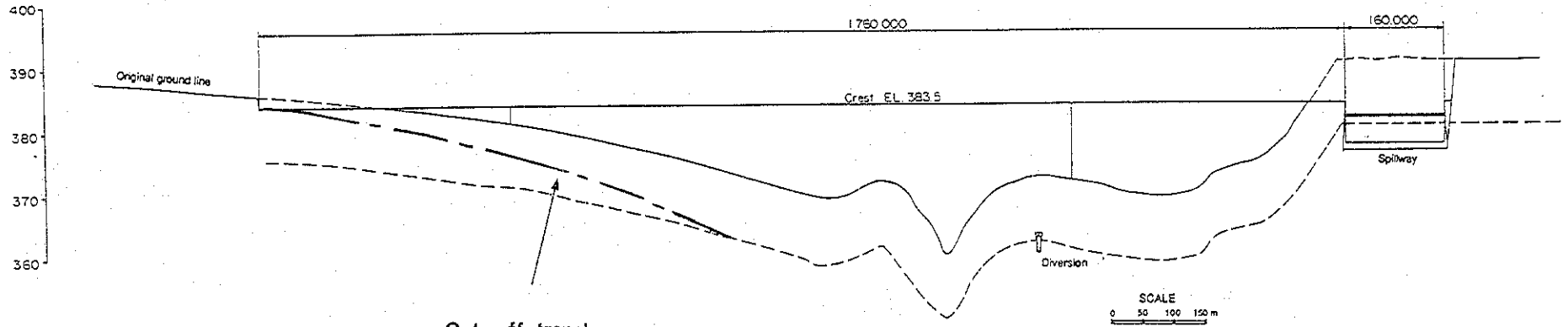
GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. D.4.11



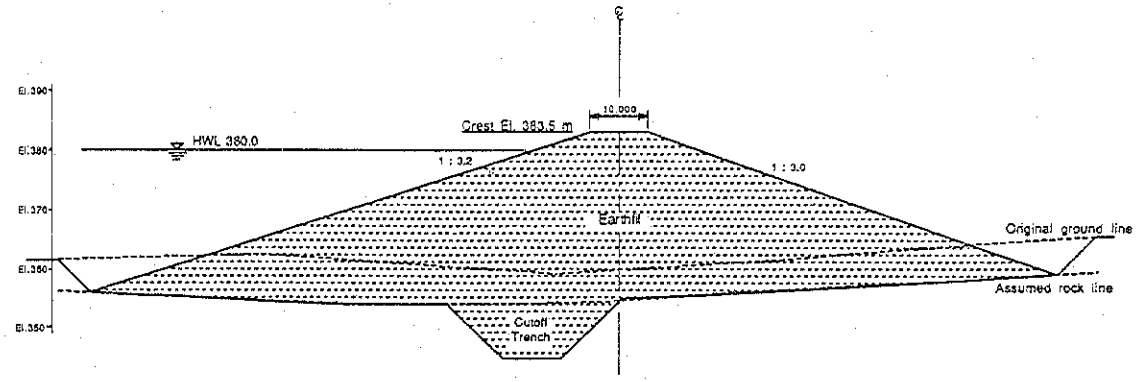
GENERAL PLAN

PRELIMINARY LAYOUT OF BAPTISTE DAM SCHEME(1/2)	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY

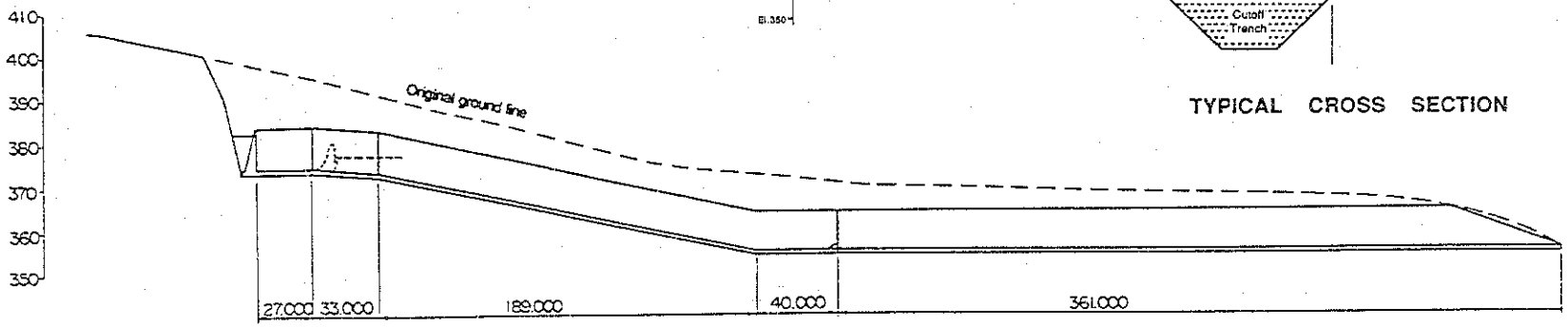


Cut–off trench
exca. line

DAM PROFILE



TYPICAL CROSS SECTION

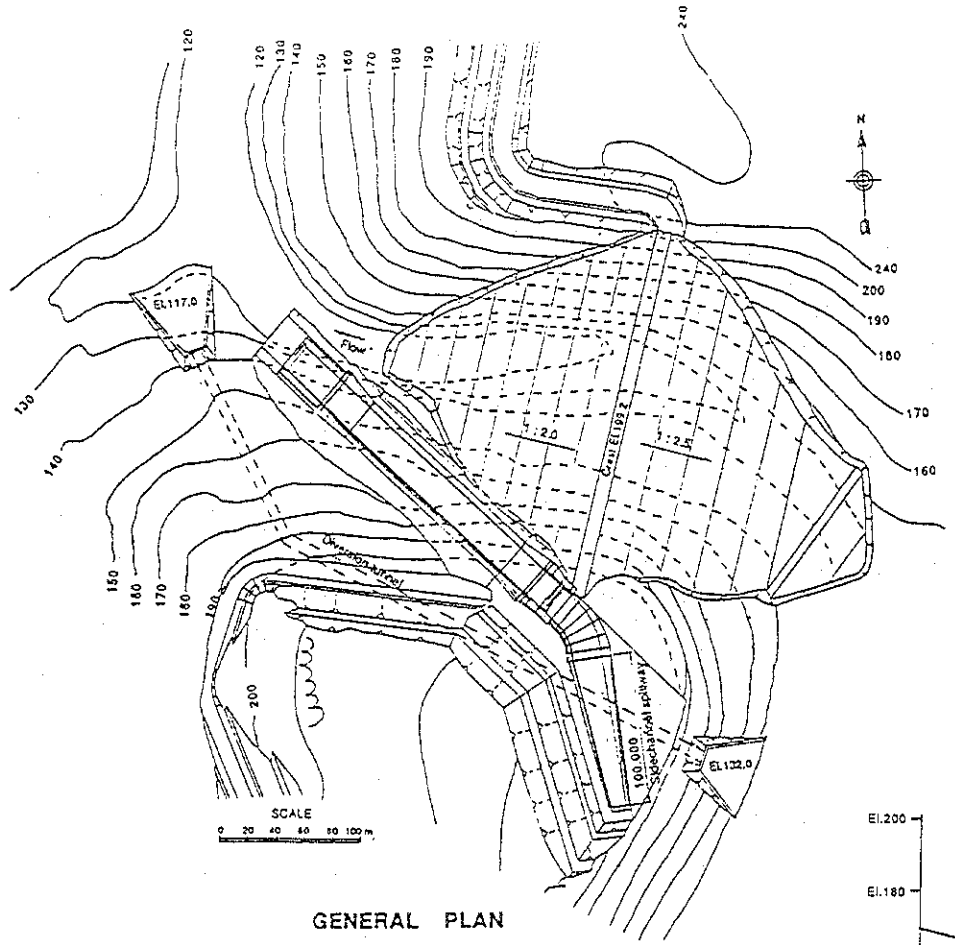


SPILLWAY PROFILE

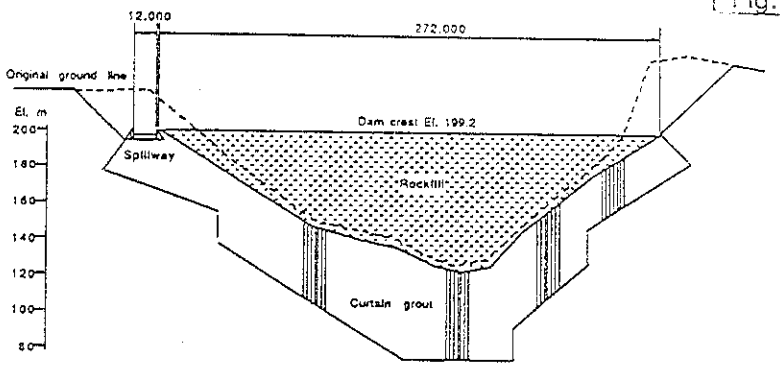
Scale
0 20 40 60 80 100m

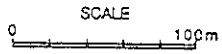
PRELIMINARY LAYOUT OF
BAPTISTE DAM SCHEME(2/2)

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

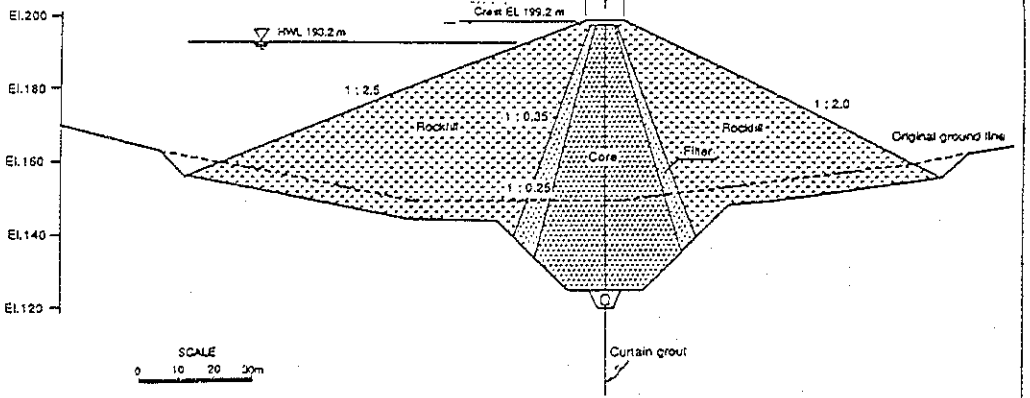


GENERAL PLAN

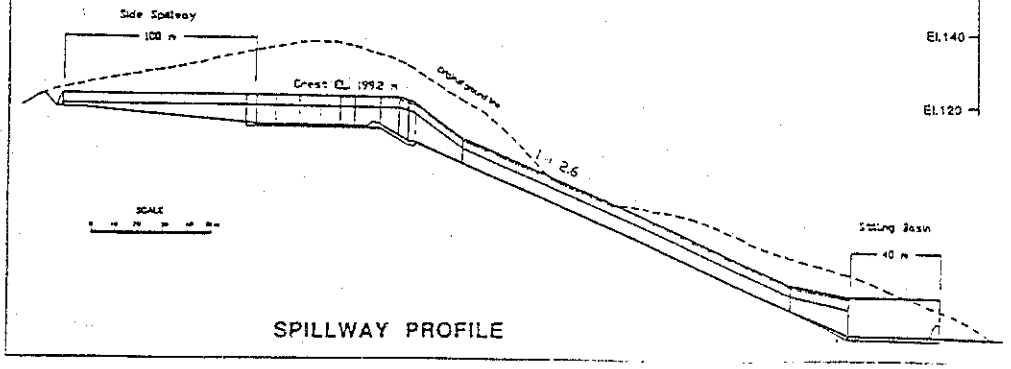




DAM PROFILE



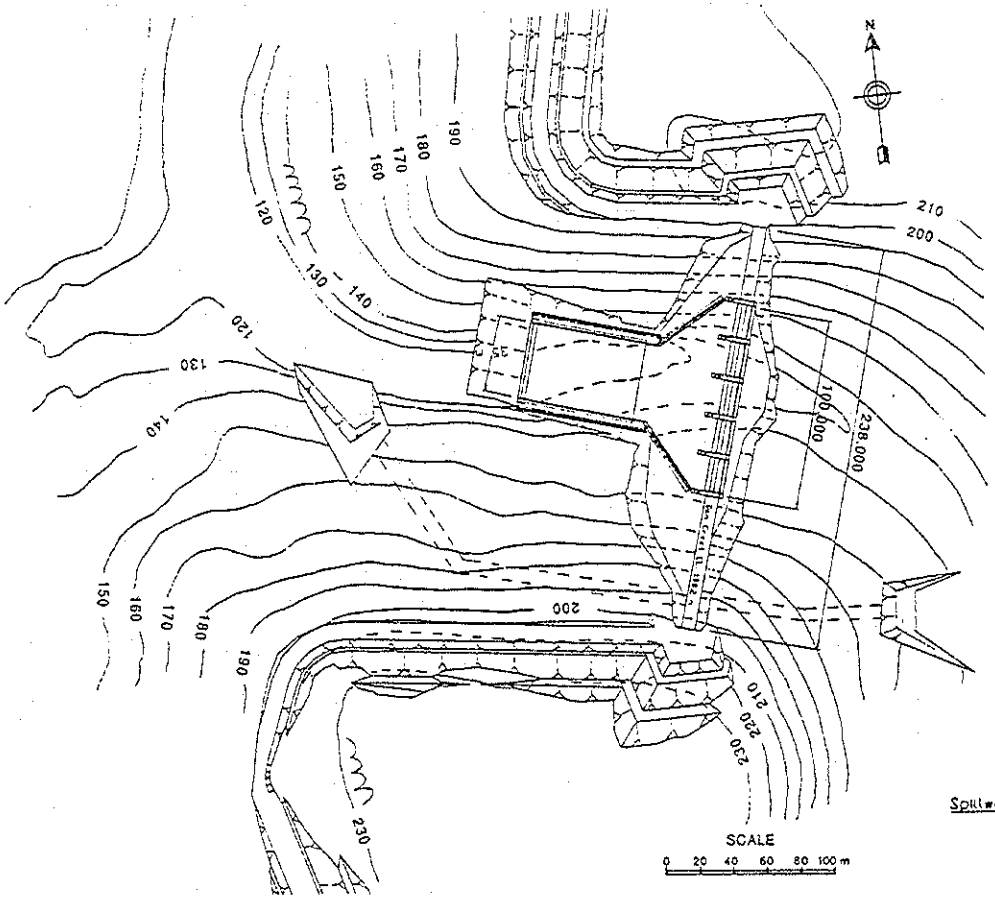
TYPICAL CROSS SECTION



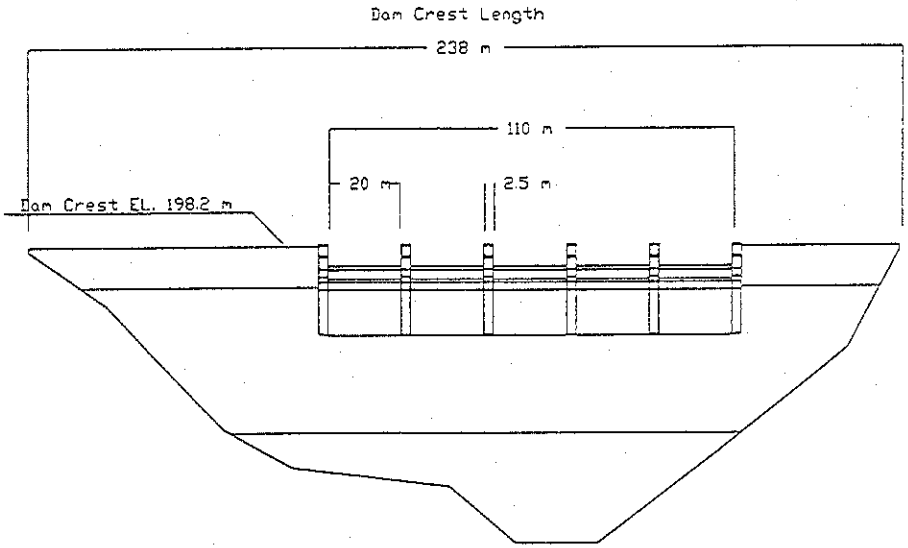
SPILLWAY PROFILE

PRELIMINARY LAYOUT OF
TR0 ROCKFILL DAM SCHEME

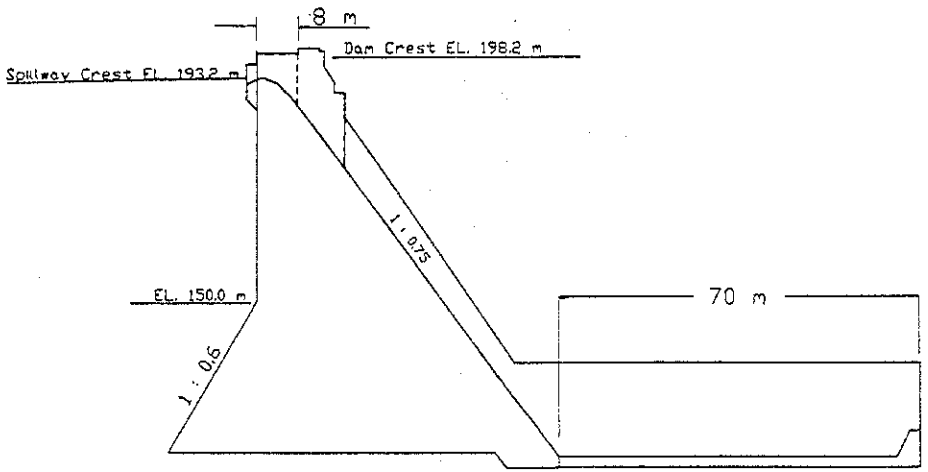
GOVERNMENT OF MAURITIUS
PORT Llouis WATER SUPPLY PROJECT
SPAIN INTERNATIONAL COOPERATION AGENCY



GENERAL PLAN

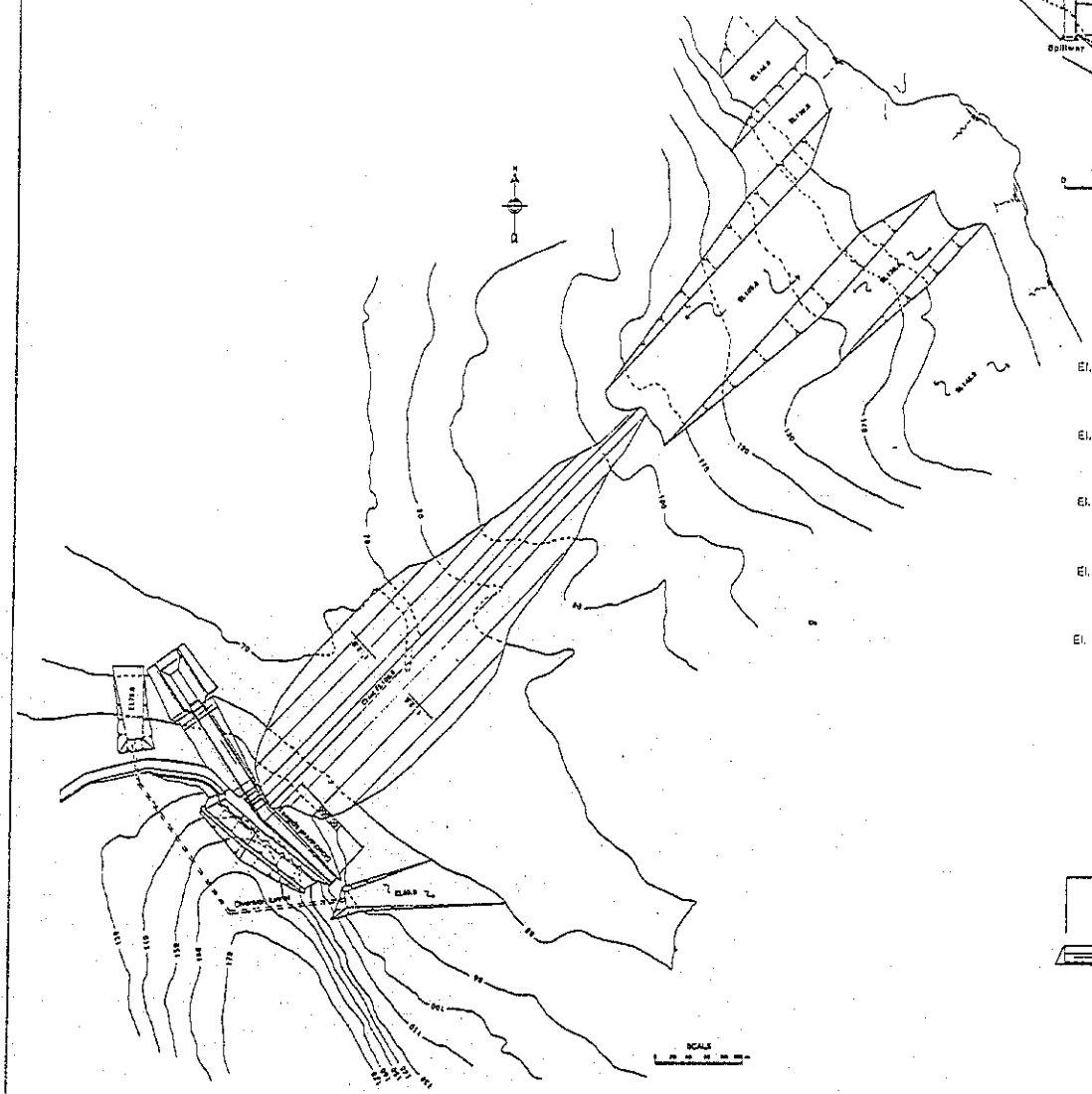


DAM PROFILE

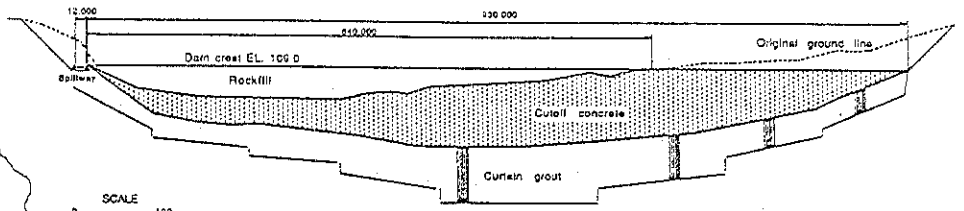


TYPICAL CROSS SECTION

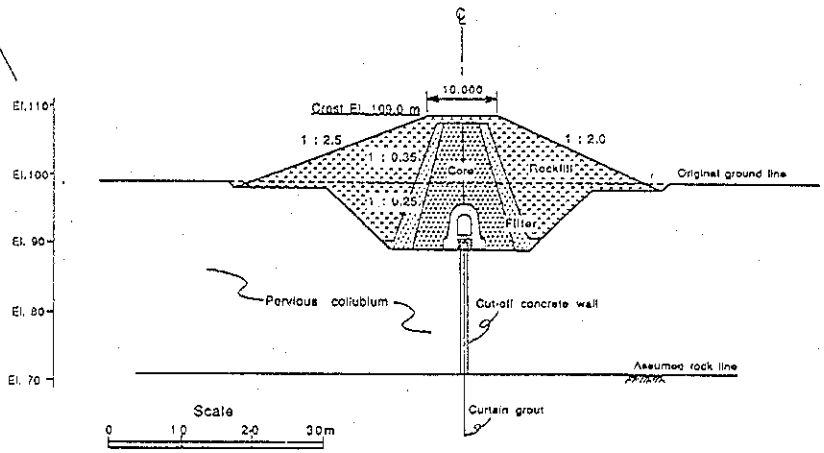
PRELIMINARY LAYOUT OF TR0 GRAVITY DAM SCHEME	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY



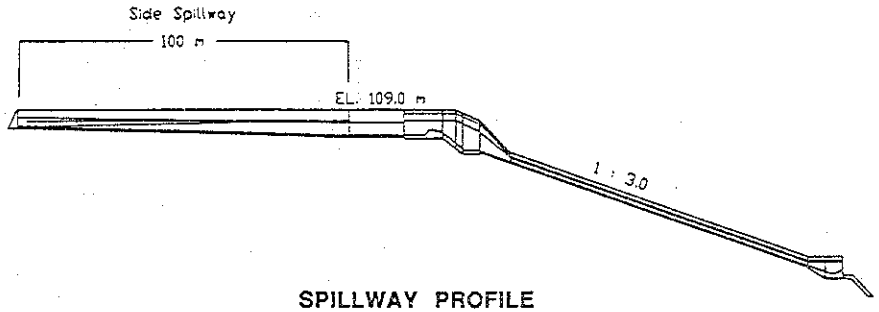
GENERAL PLAN



DAM PROFILE



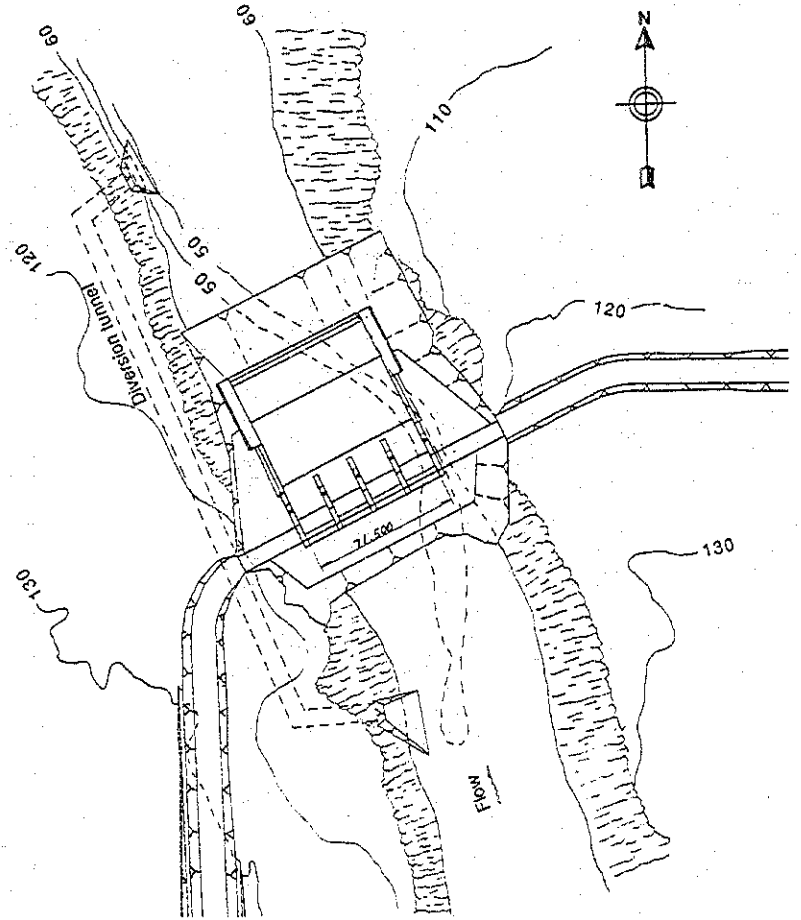
TYPICAL CROSS SECTION



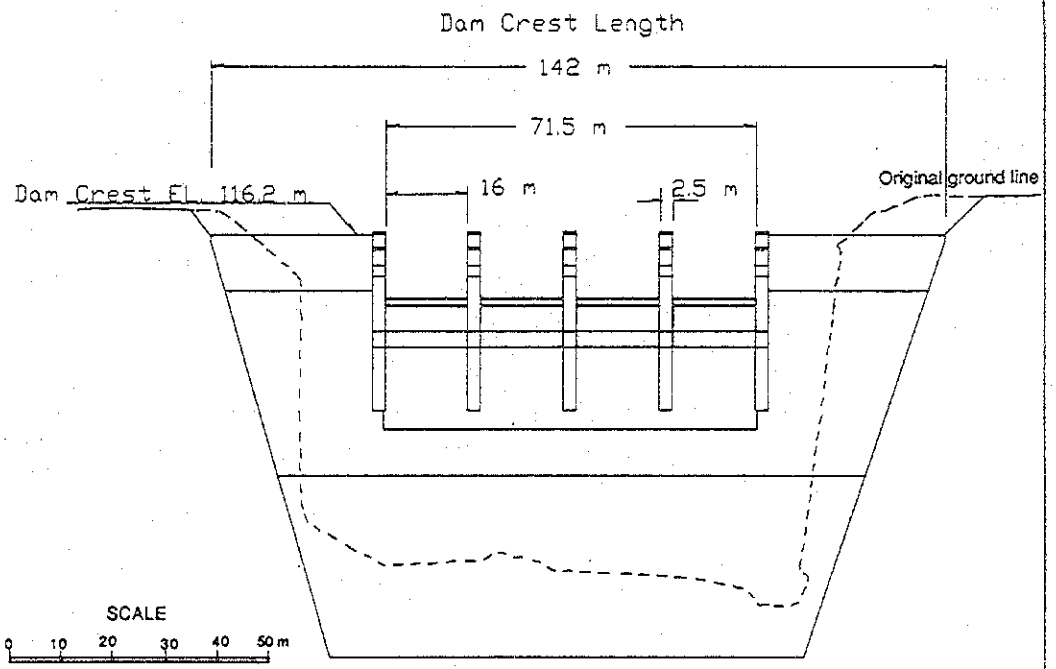
SPILLWAY PROFILE

PRELIMINARY LAYOUT OF
BOCAGE-GUIBIES DAM SCHEME(2/2)

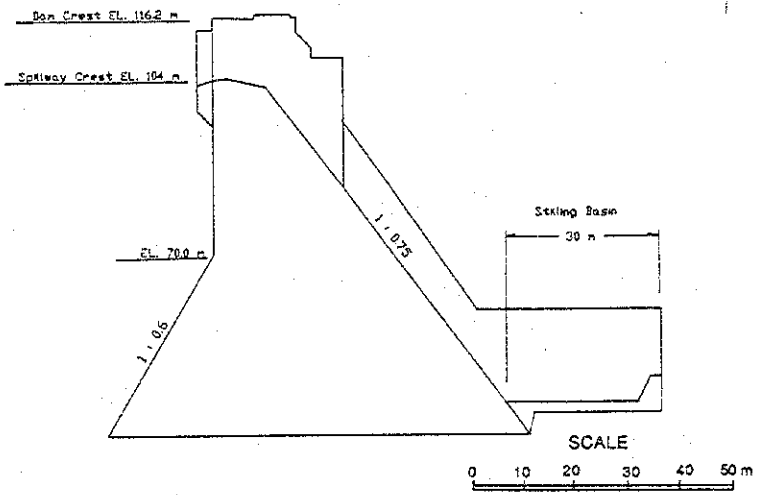
GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY



GENERAL PLAN

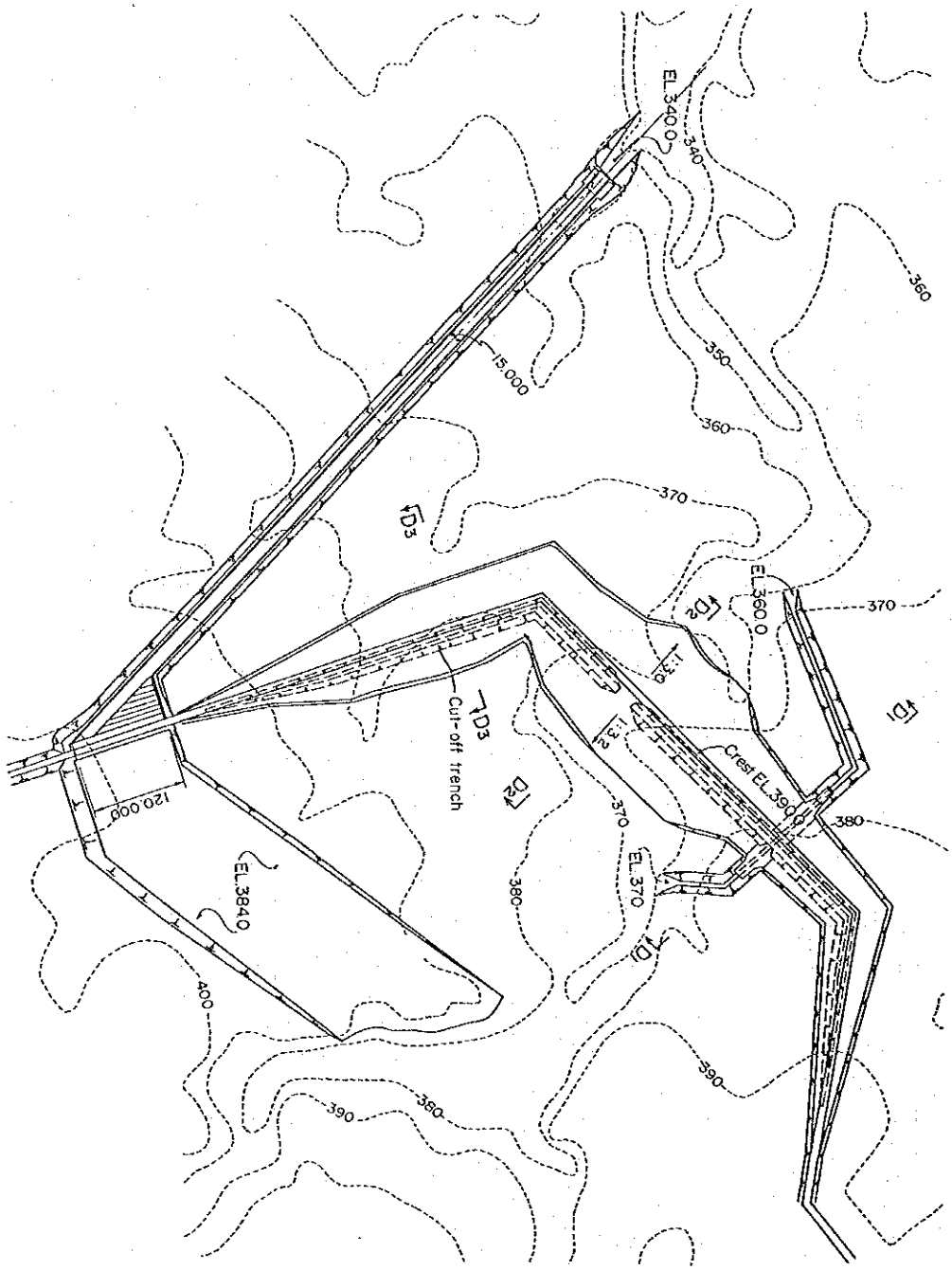


DAM PROFILE



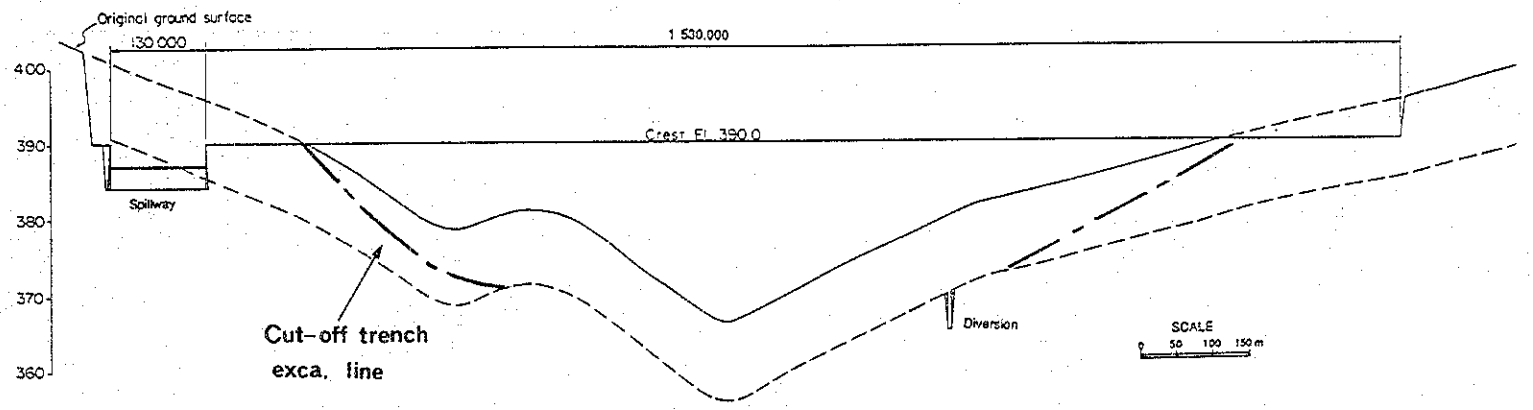
TYPICAL CROSS SECTION

PRELIMINARY LAYOUT OF NW0 GRAVITY DAM SCHEME	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY

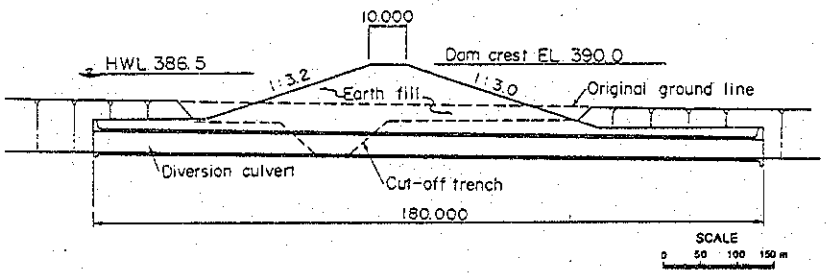


GENERAL PLAN

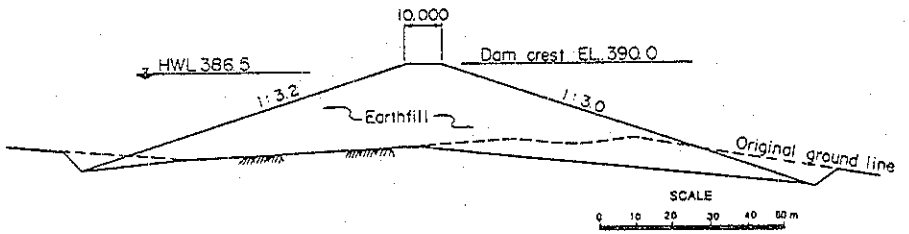
PRELIMINARY LAYOUT OF TR9 ROCKFILL DAM SCHEME(1/2)	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY



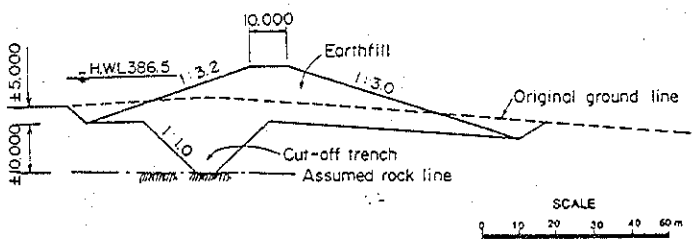
DAM PROFILE



SECTION D1 - D1



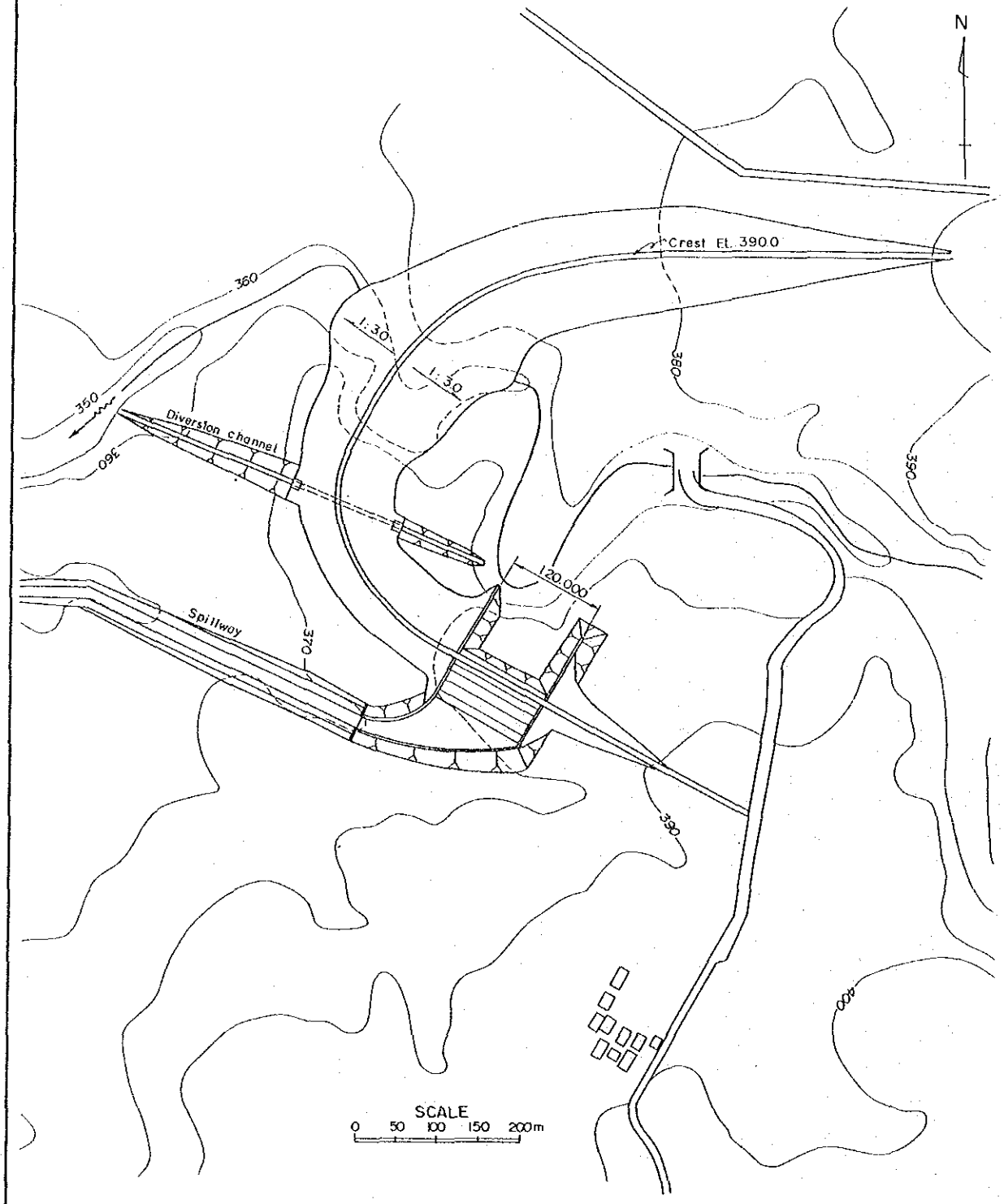
SECTION D2 - D2



SECTION D3 - D3

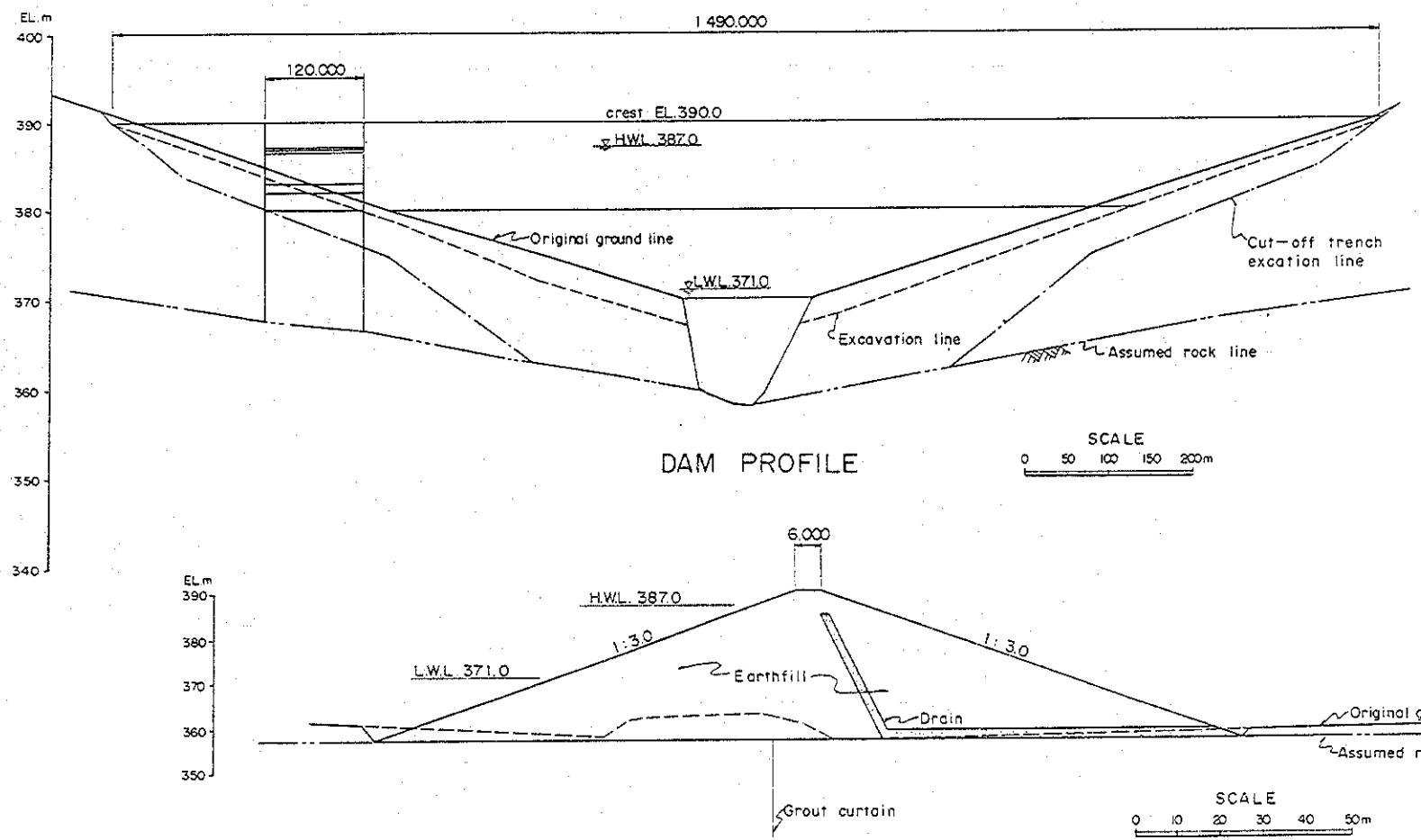
PRELIMINARY LAYOUT OF TR9 ROCKFILL DAM SCHEME(2/2)	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. D.4.19



GENERAL PLAN

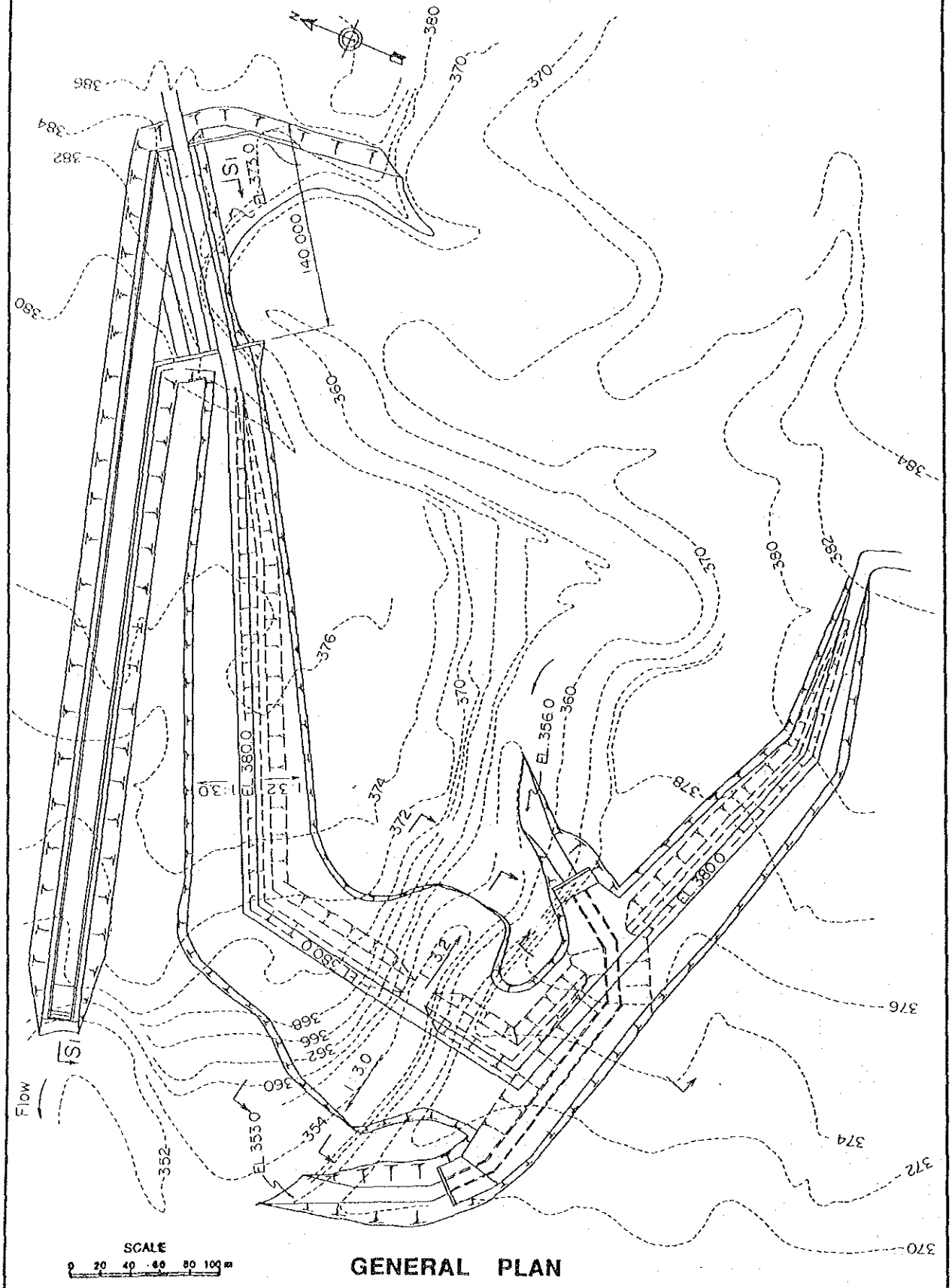
PRELIMINARY LAYOUT OF TR9 (4.0 MCM) DAM SCHEME (1/2)	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY



PRELIMINARY LAYOUT OF TR9
(4.0 MCM) DAM SCHEME (2/2)

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT

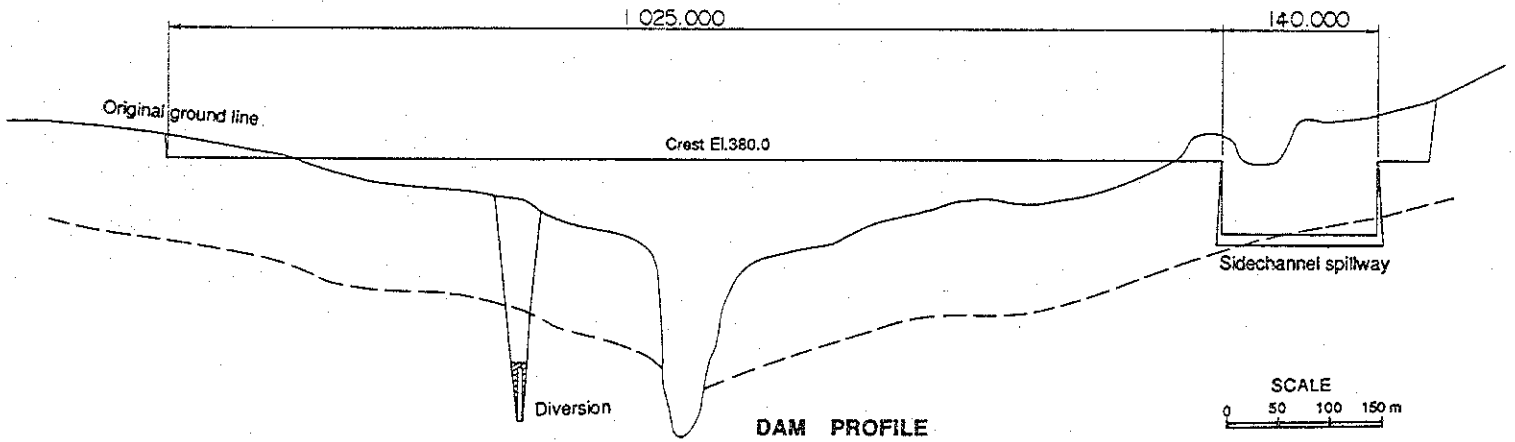
Fig. D.4.21



GENERAL PLAN

PRELIMINARY LAYOUT OF
CA2 ROCKFILL DAM SCHEME(1/2)

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY



DAM PROFILE

SCALE
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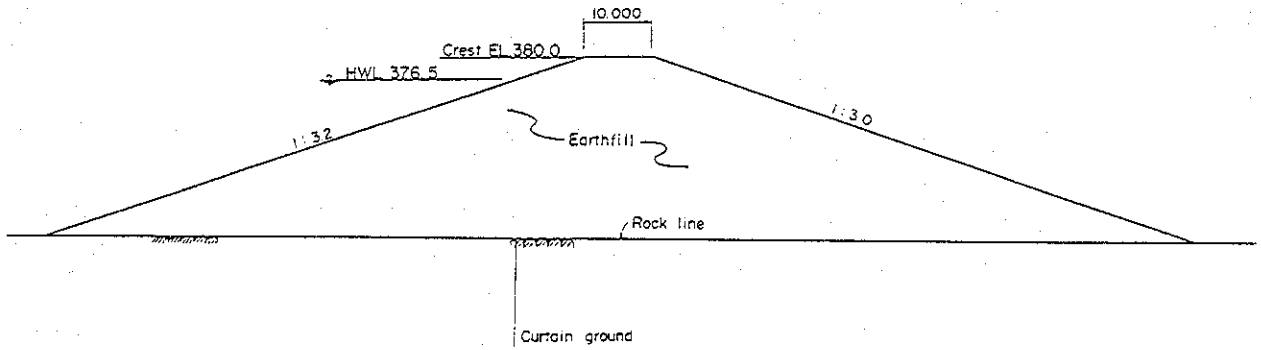
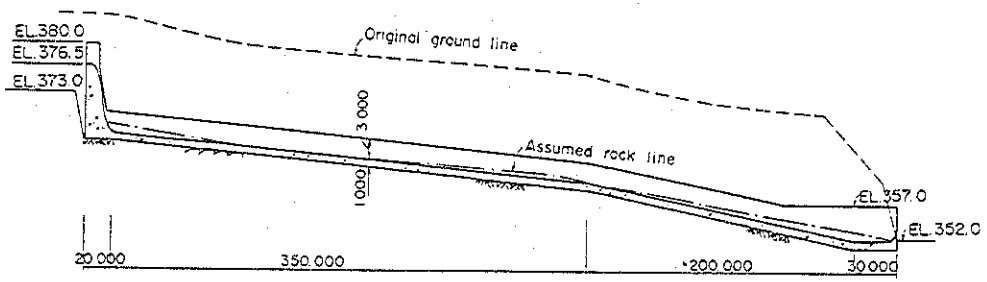
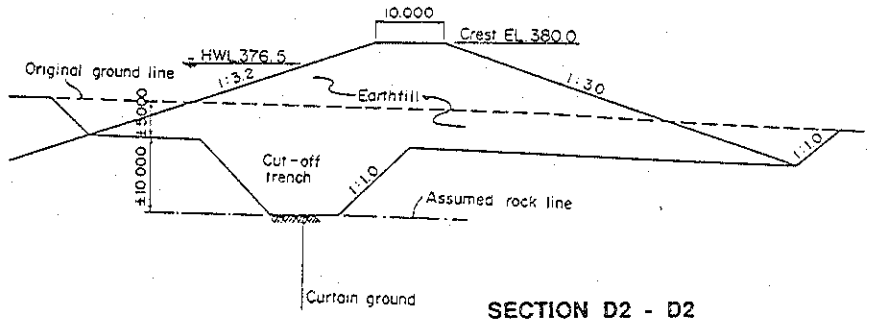


SECTION D1 - D1



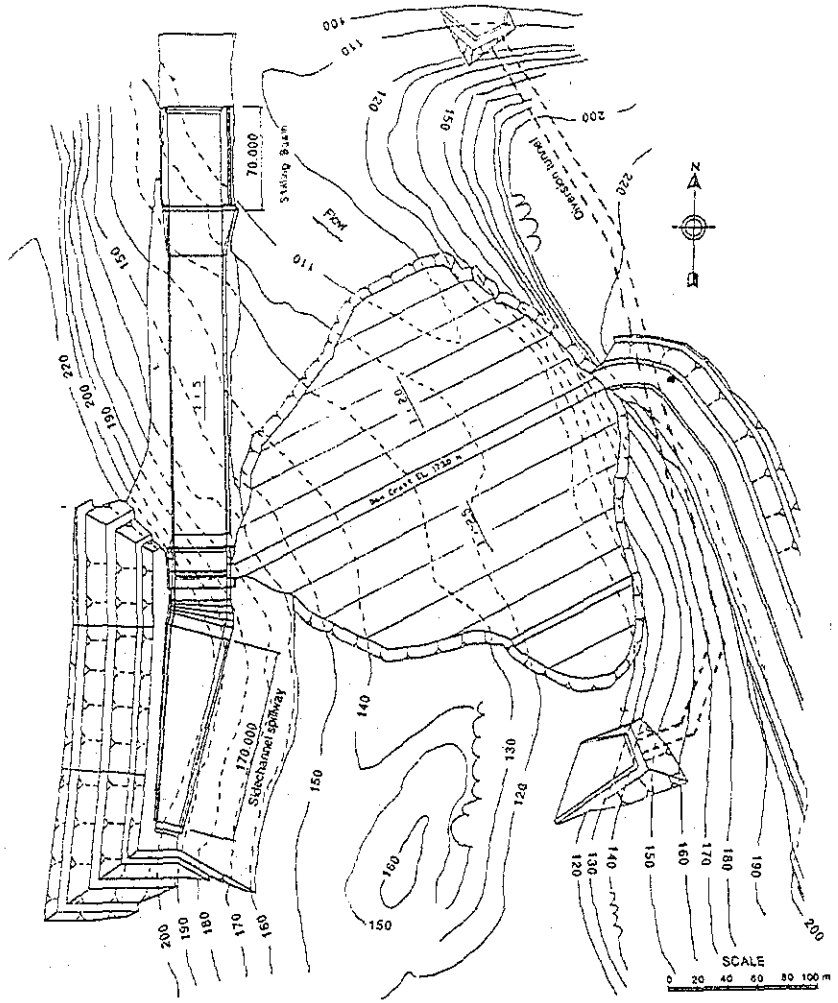
SECTION S1 - S1



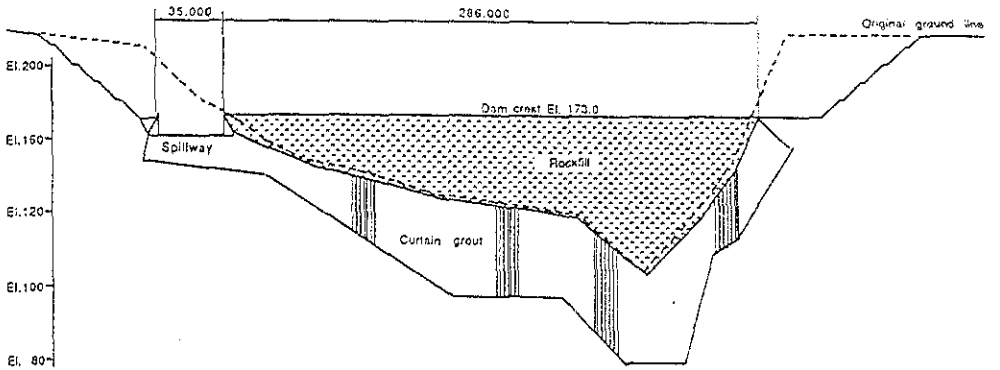
SECTION D2 - D2

PRELIMINARY LAYOUT OF
CA2 ROCKFILL DAM SCHEME(2/2)

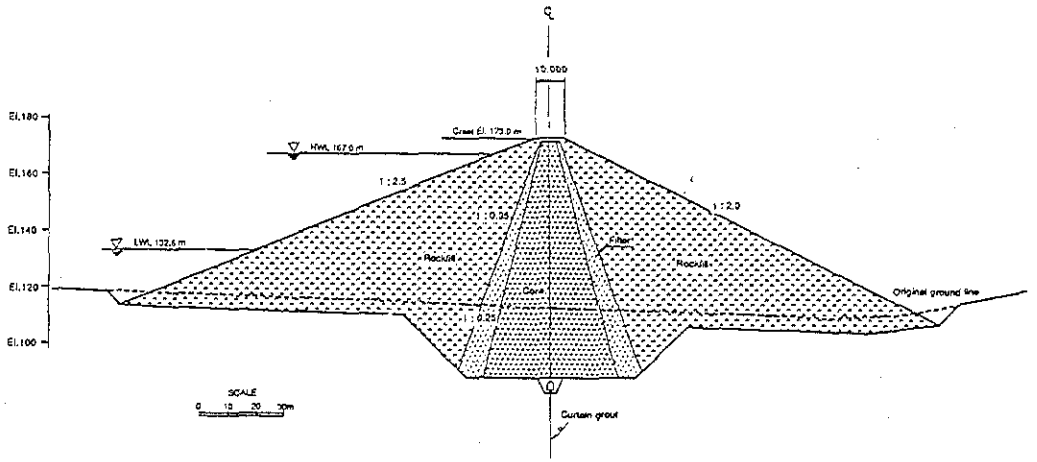
GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY



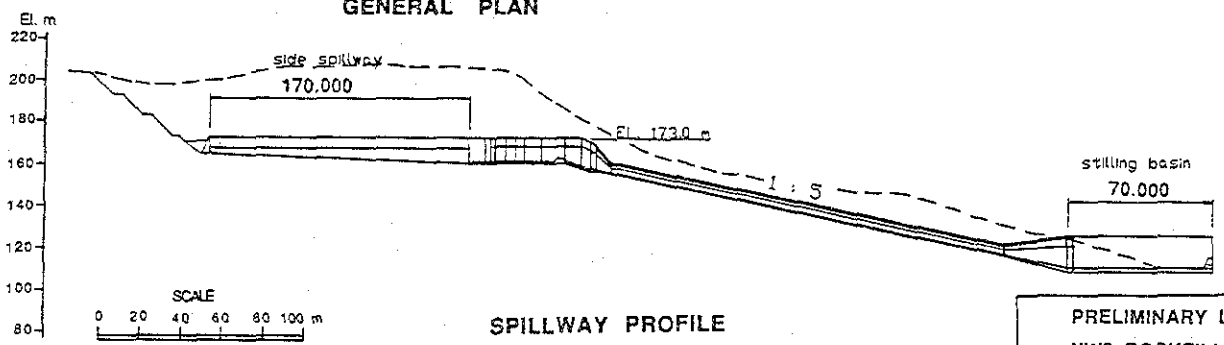
GENERAL PLAN



DAM PROFILE



TYPICAL CROSS SECTION

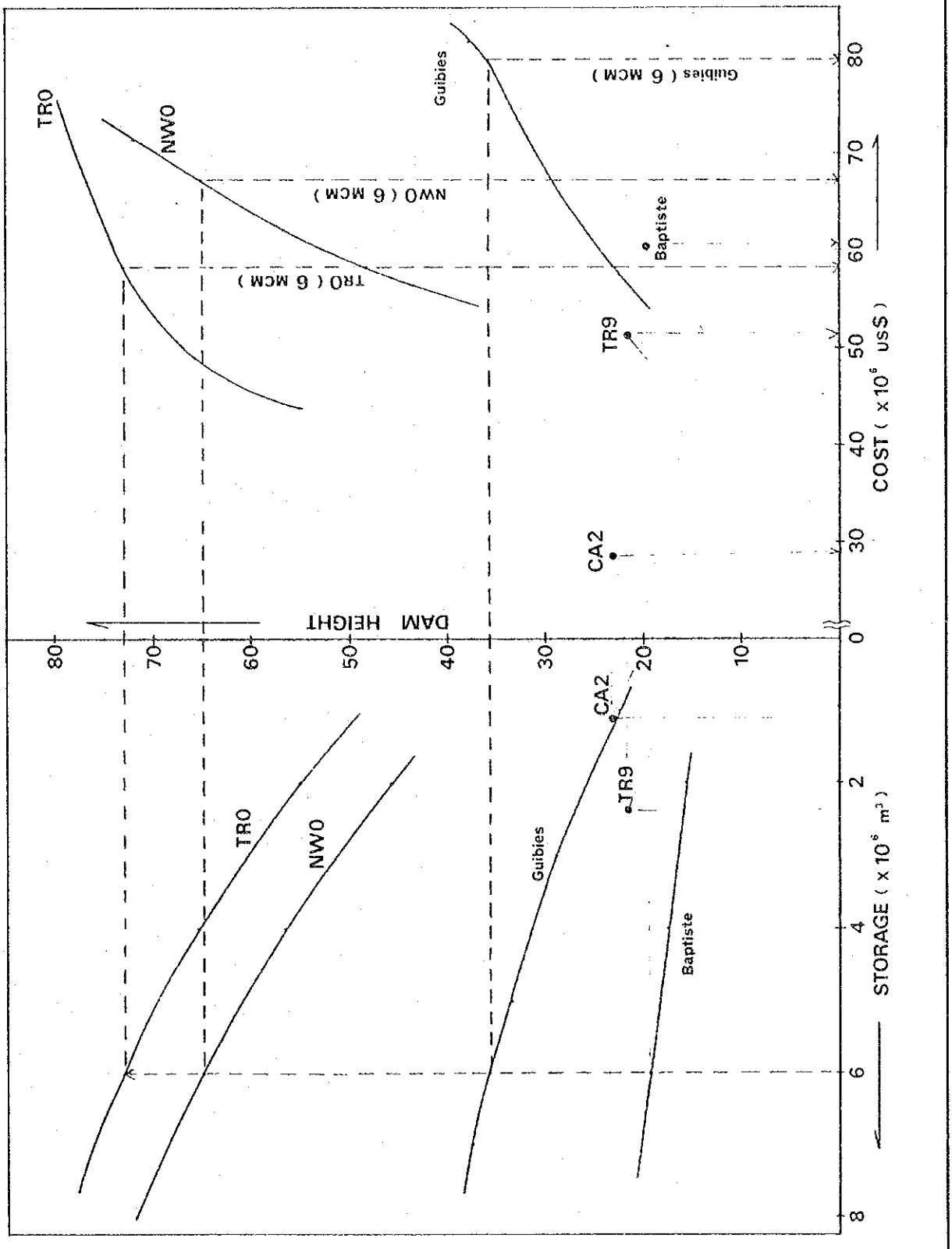


SPILLWAY PROFILE

PRELIMINARY LAYOUT OF
NW3 ROCKFILL DAM SCHEME

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

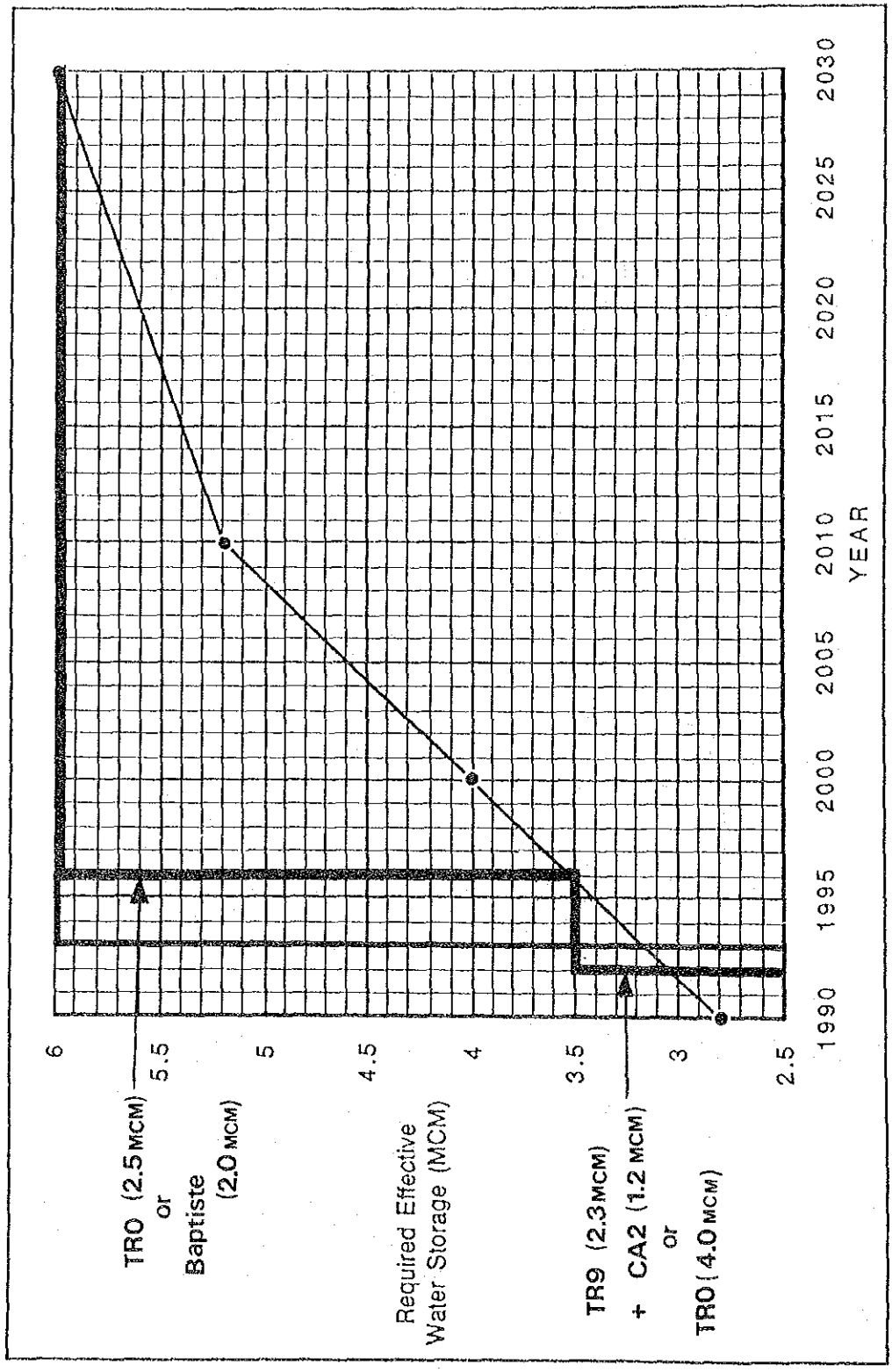
Fig. D.5.1



RELATION AMONG PROJECT COST, EFFECTIVE STORAGE CAPACITY AND DAM HEIGHT

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

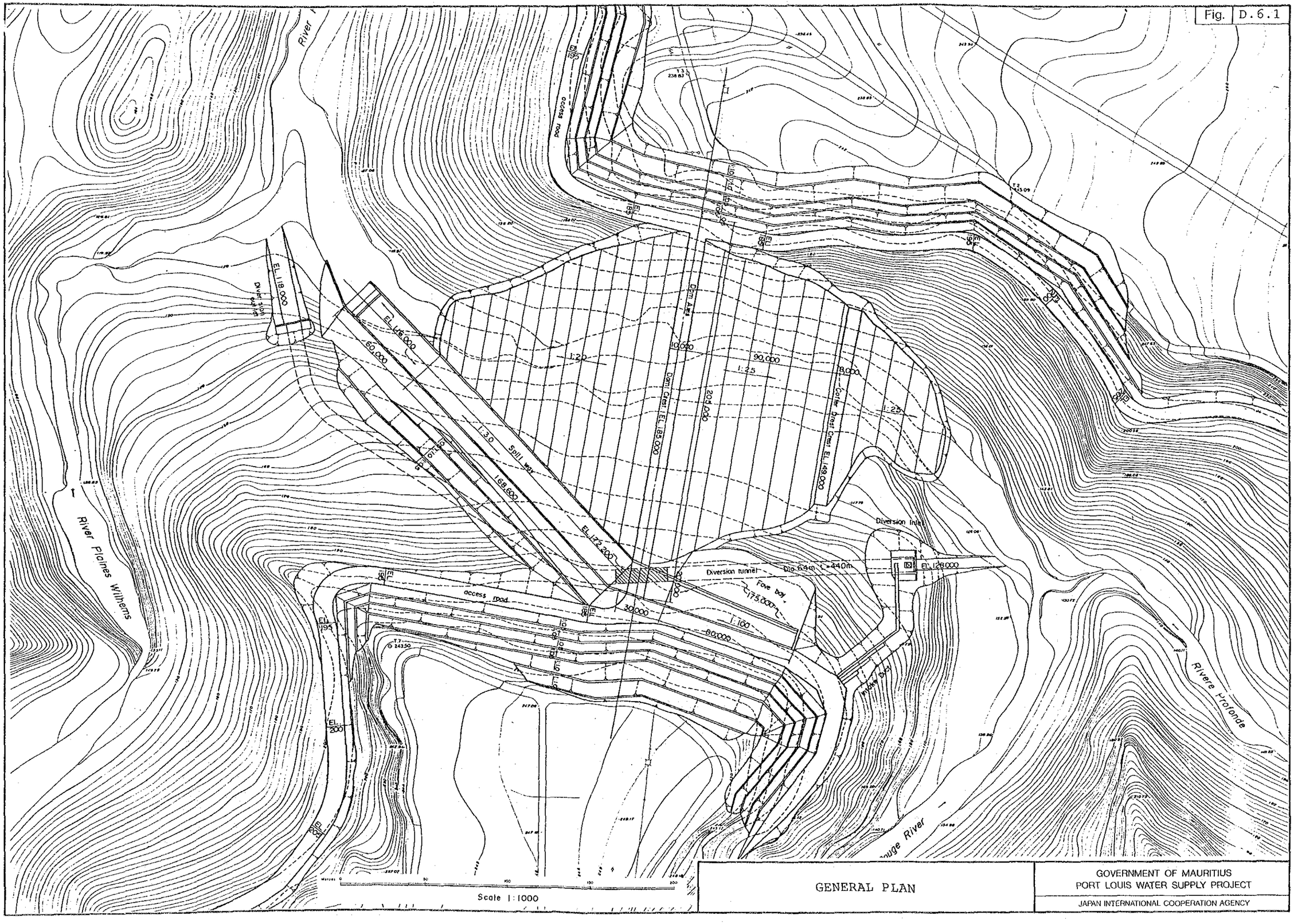
Fig. D.5.2



IMPLEMENTATION SCHEDULE IN COMPARISON WITH WATER DEMAND

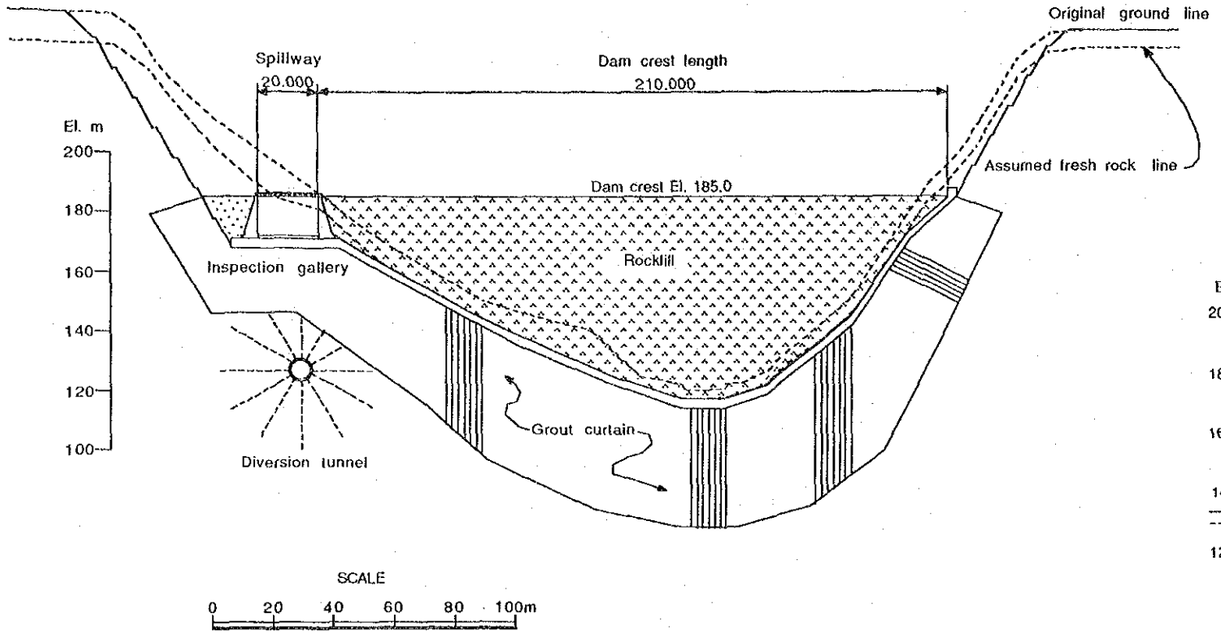
GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. D.6.1

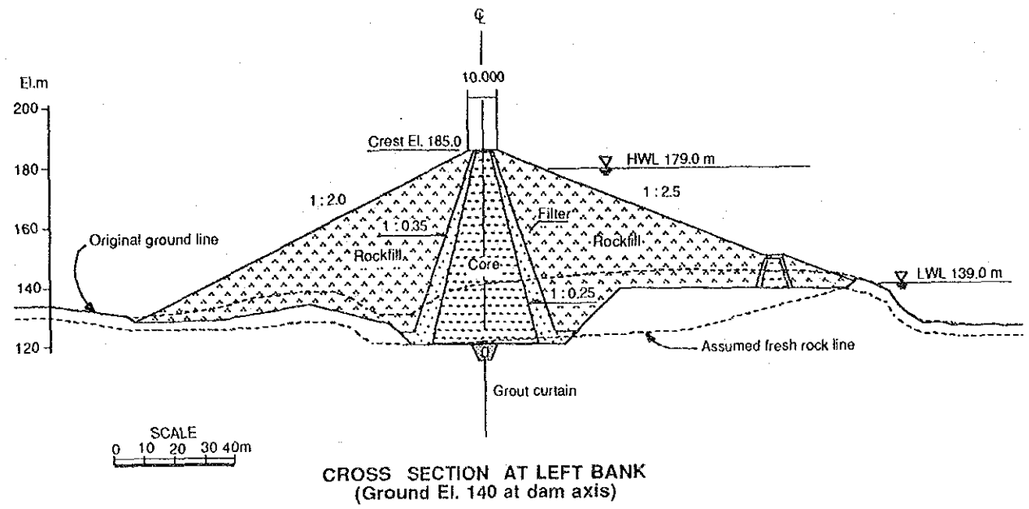


GENERAL PLAN

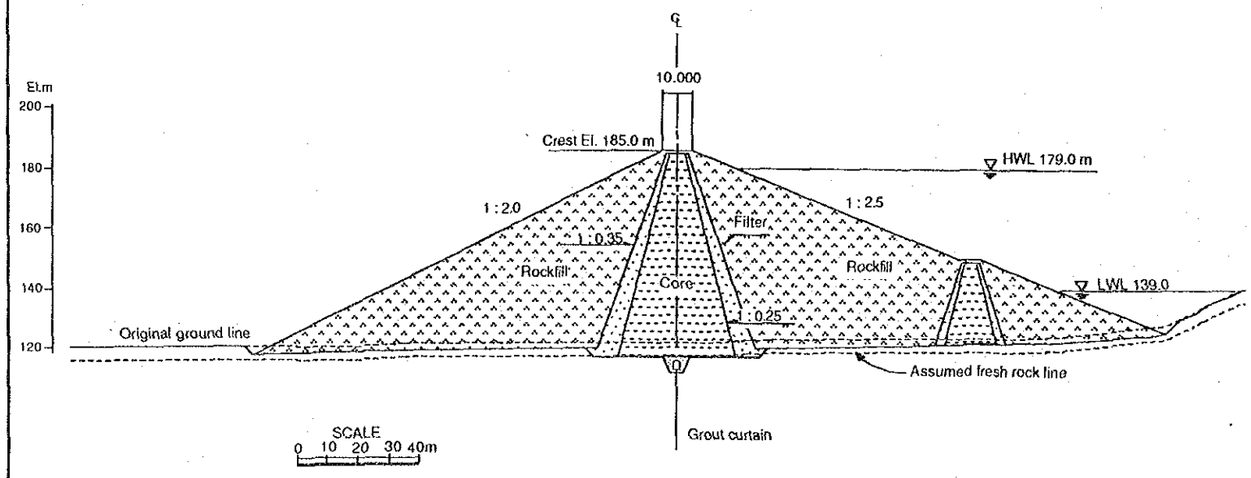
GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY



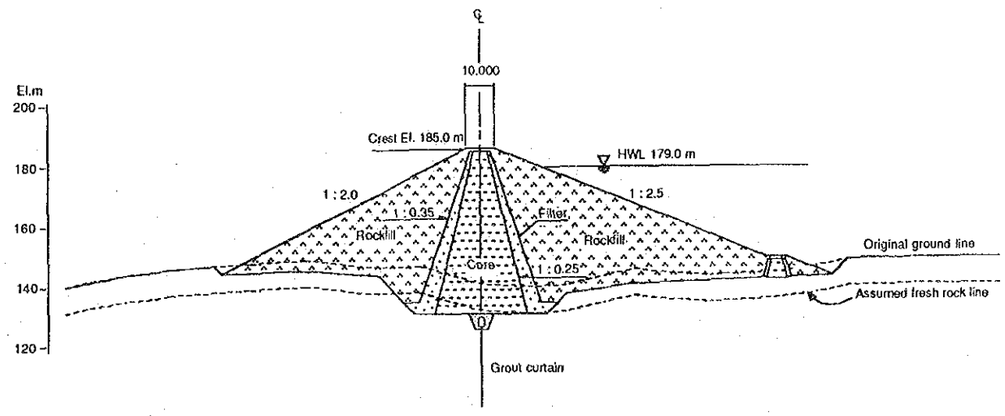
DAM PROFILE
(Upstream view)



CROSS SECTION AT LEFT BANK
(Ground El. 140 at dam axis)

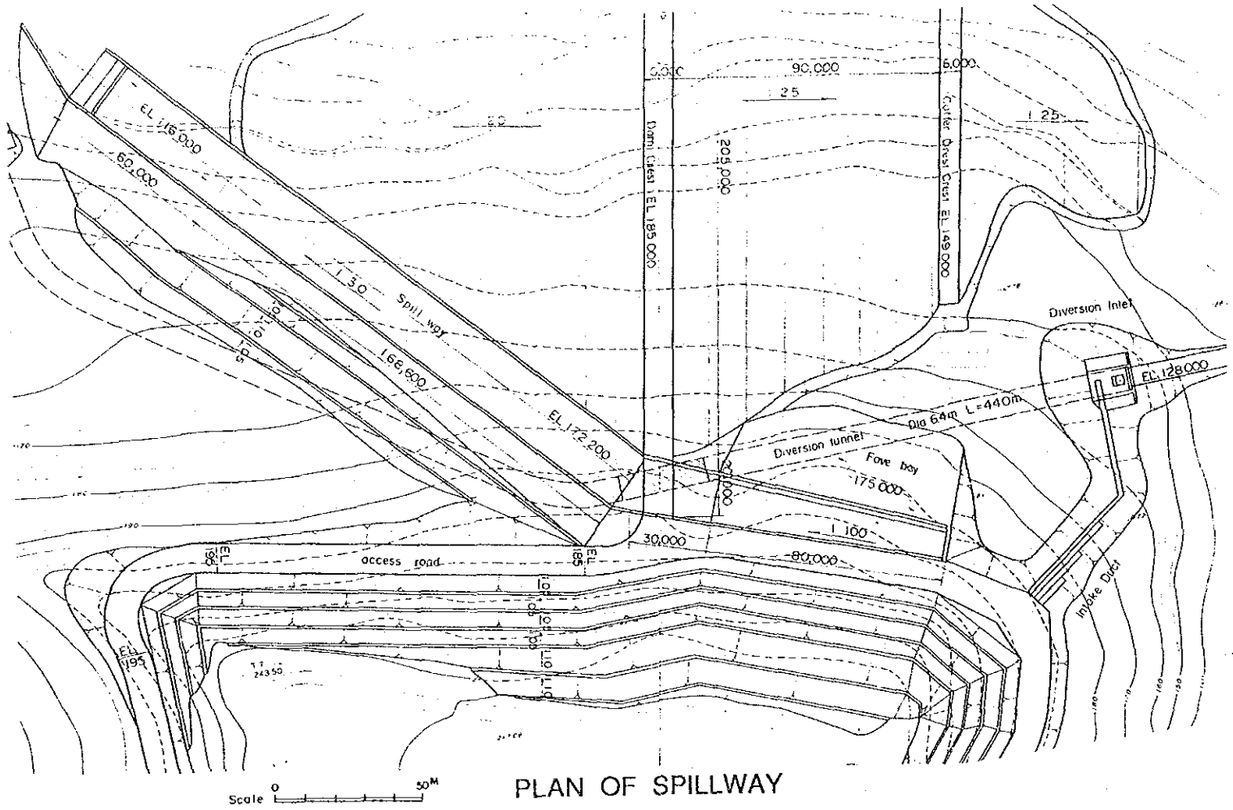


CROSS SECTION AT RIVER BED

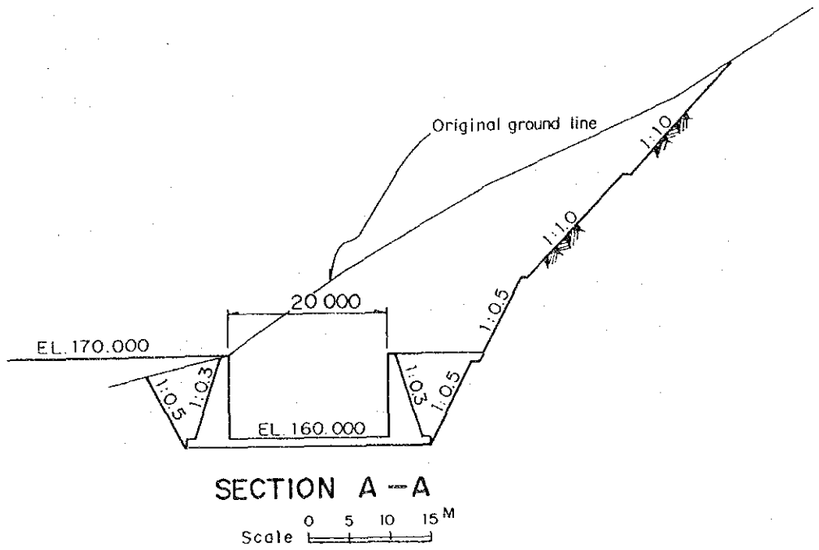


CROSS SECTION AT RIGHT BANK
(Ground El. 140 at dam axis)

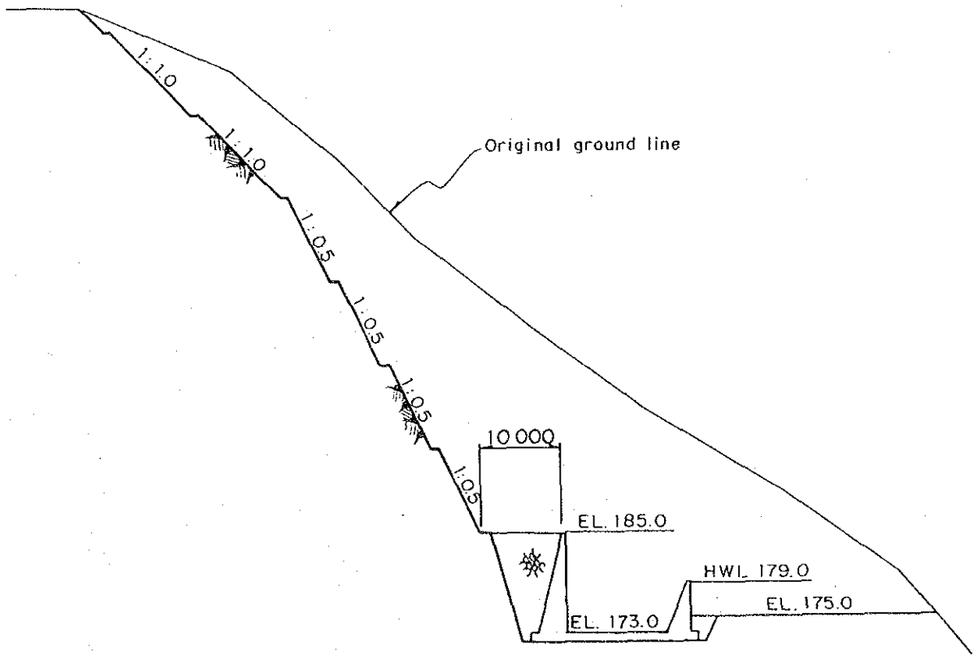
DAM PLAN , PLOFILE & SECTION	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY



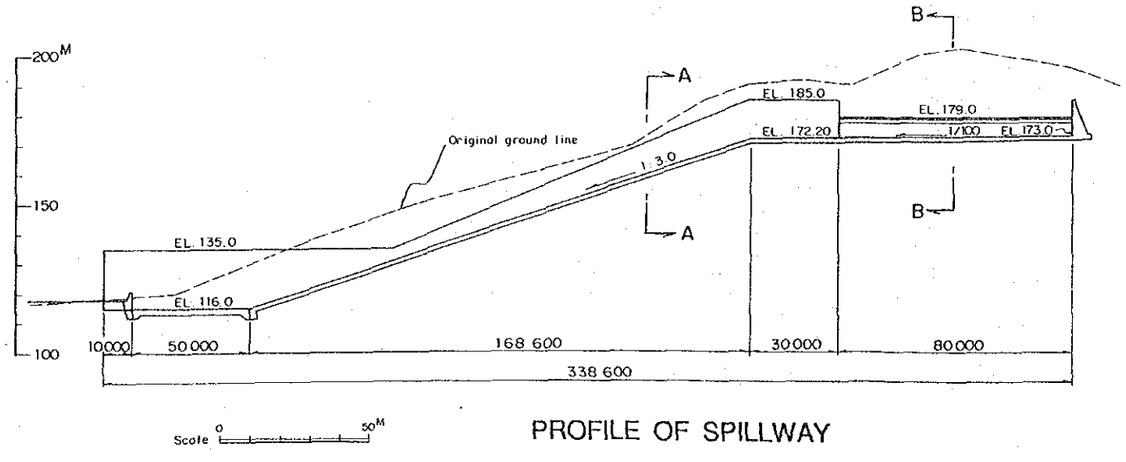
PLAN OF SPILLWAY



SECTION A-A



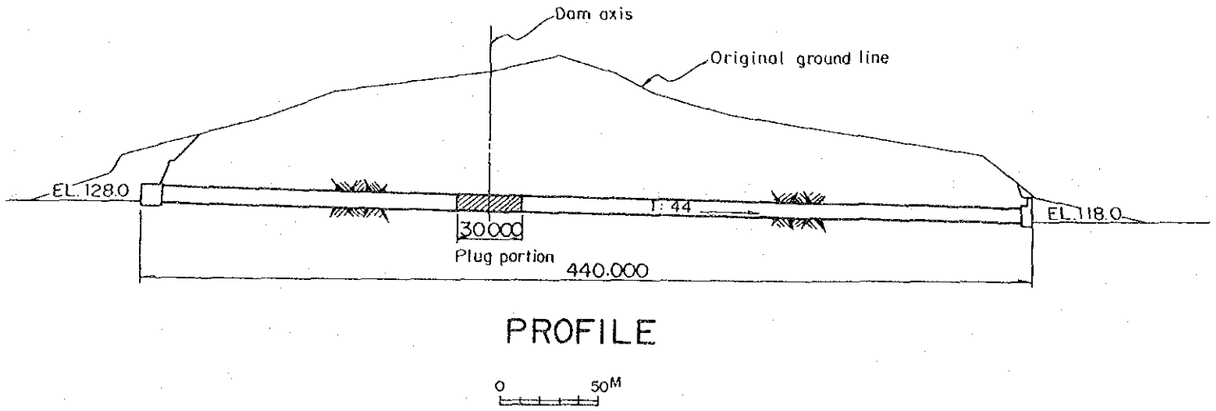
SECTION B-B



PROFILE OF SPILLWAY

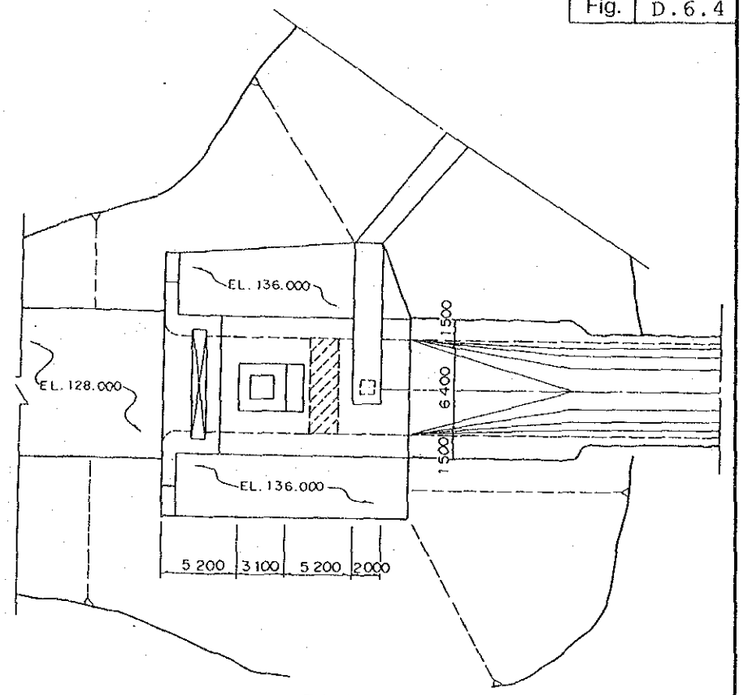
SPILWAY PLAN , PLOFILE SECTION	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. D.6.4



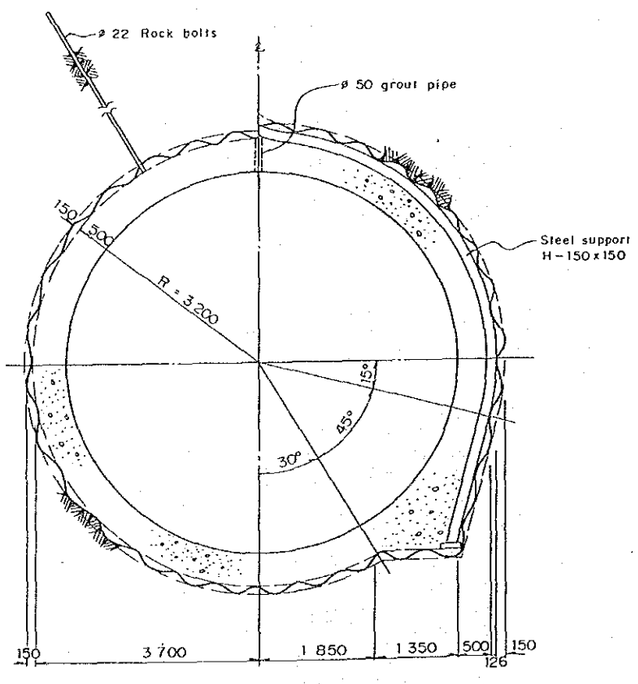
PROFILE

0 50M



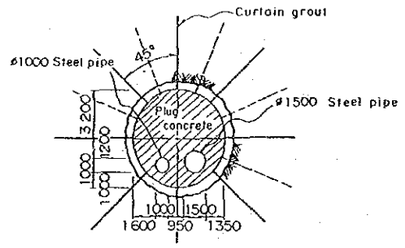
PLAN OF INLET

Scale 0 10M

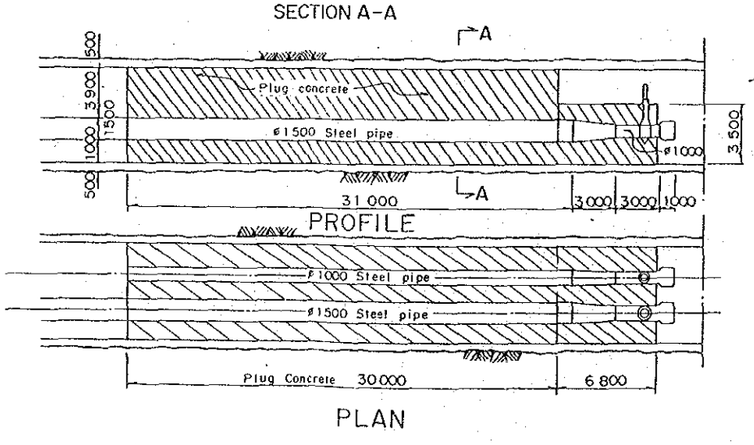


TYPICAL SECTION OF DIVERSION TUNNEL

Scale 0 1 2 3M.



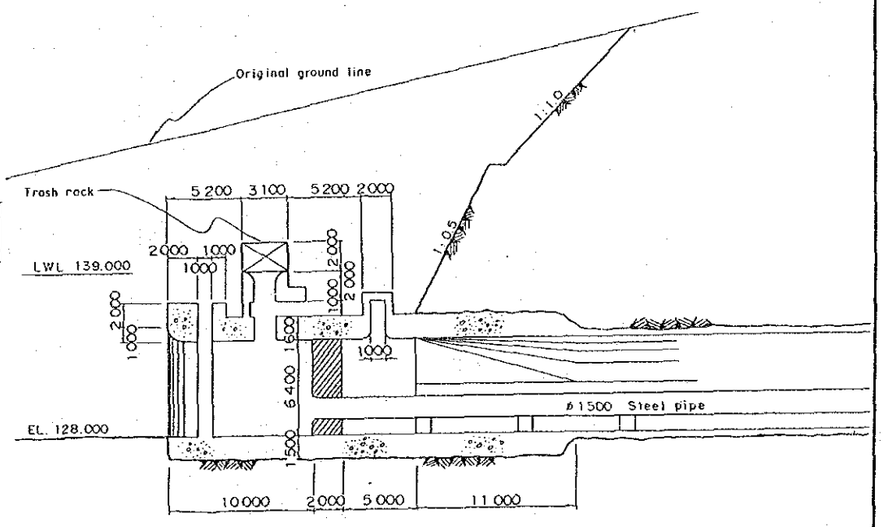
SECTION A-A



PLAN

RIVER OUTLET PROFILE PLAN & SECTION

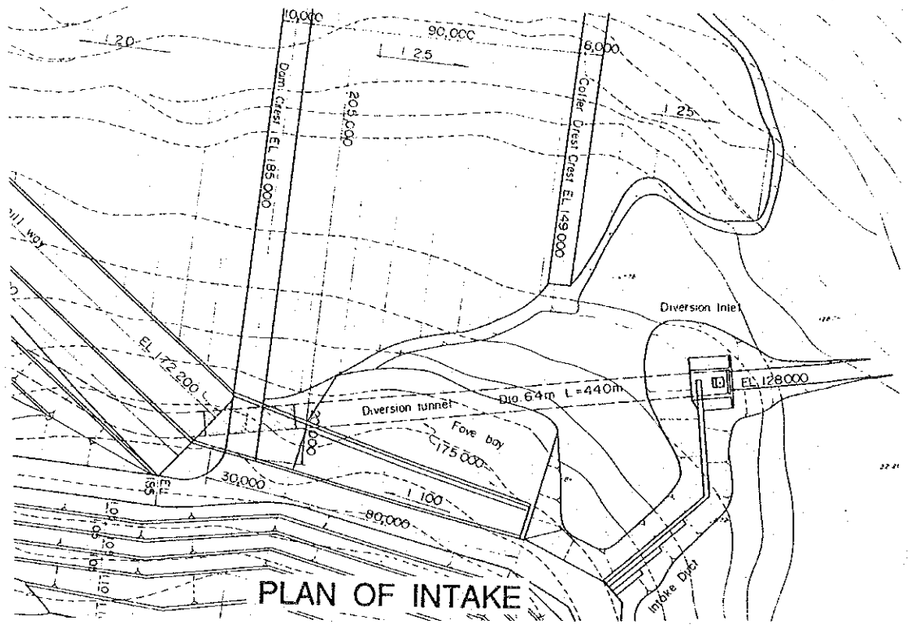
Scale 0 10M



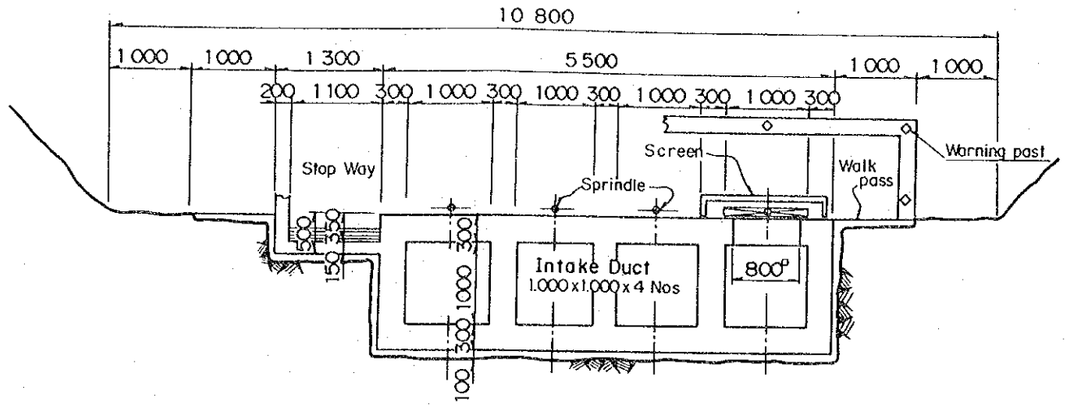
PROFILE OF INLET

Scale 0 10M

DIVERSION OUTLET PLAN , PLOFILE & SECTION	GOVERNMENT OF MAURITIUS PORT LOUIS WATER SUPPLY PROJECT JAPAN INTERNATIONAL COOPERATION AGENCY

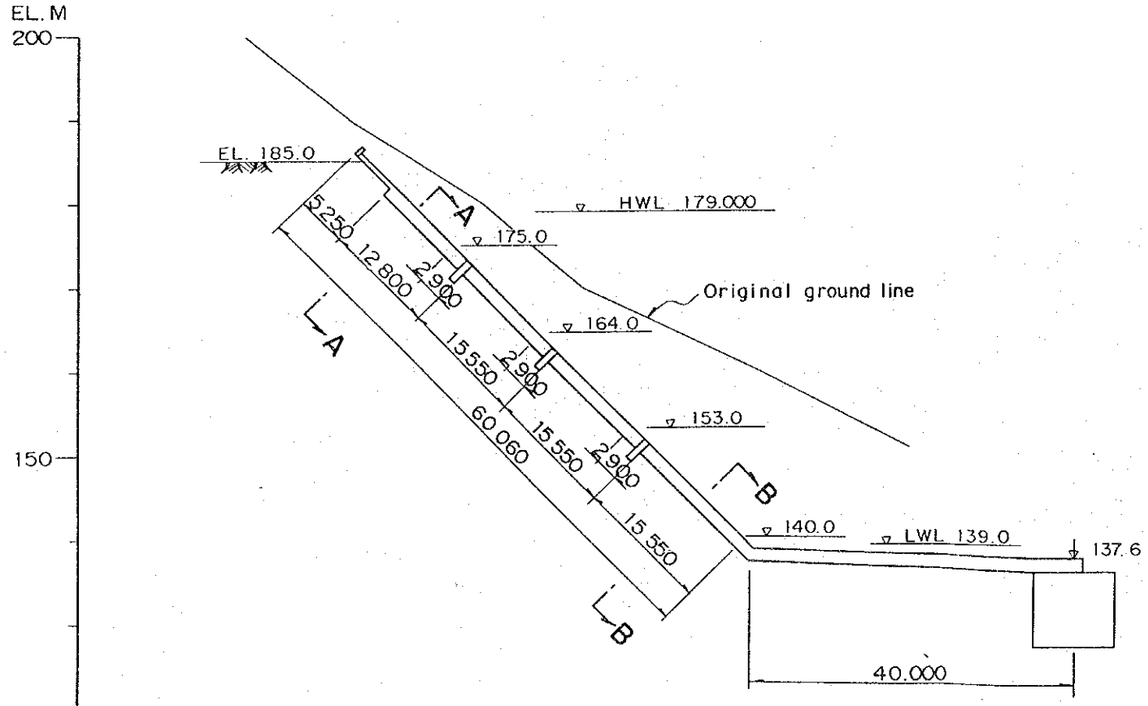


PLAN OF INTAKE



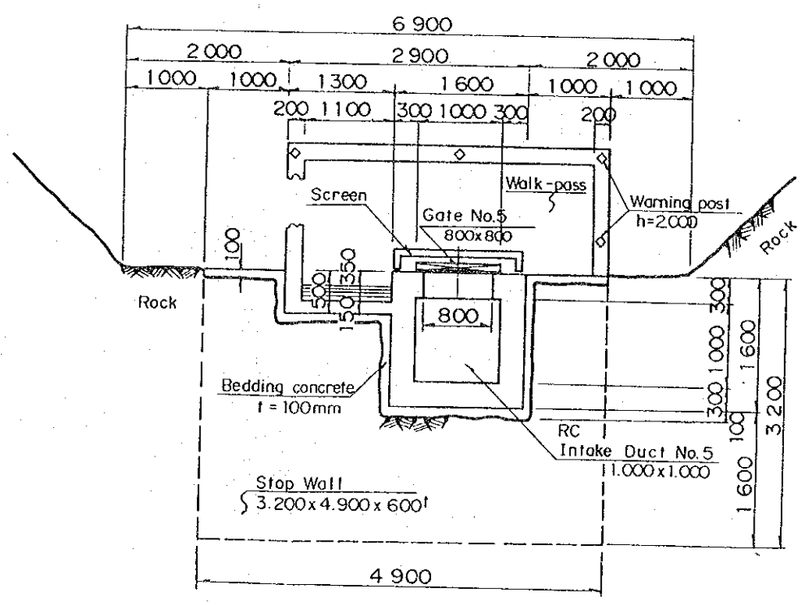
SECTION A – A

Scale 0 1 2M



PROFILE OF INTAKE DUCT

Scale 0 30M

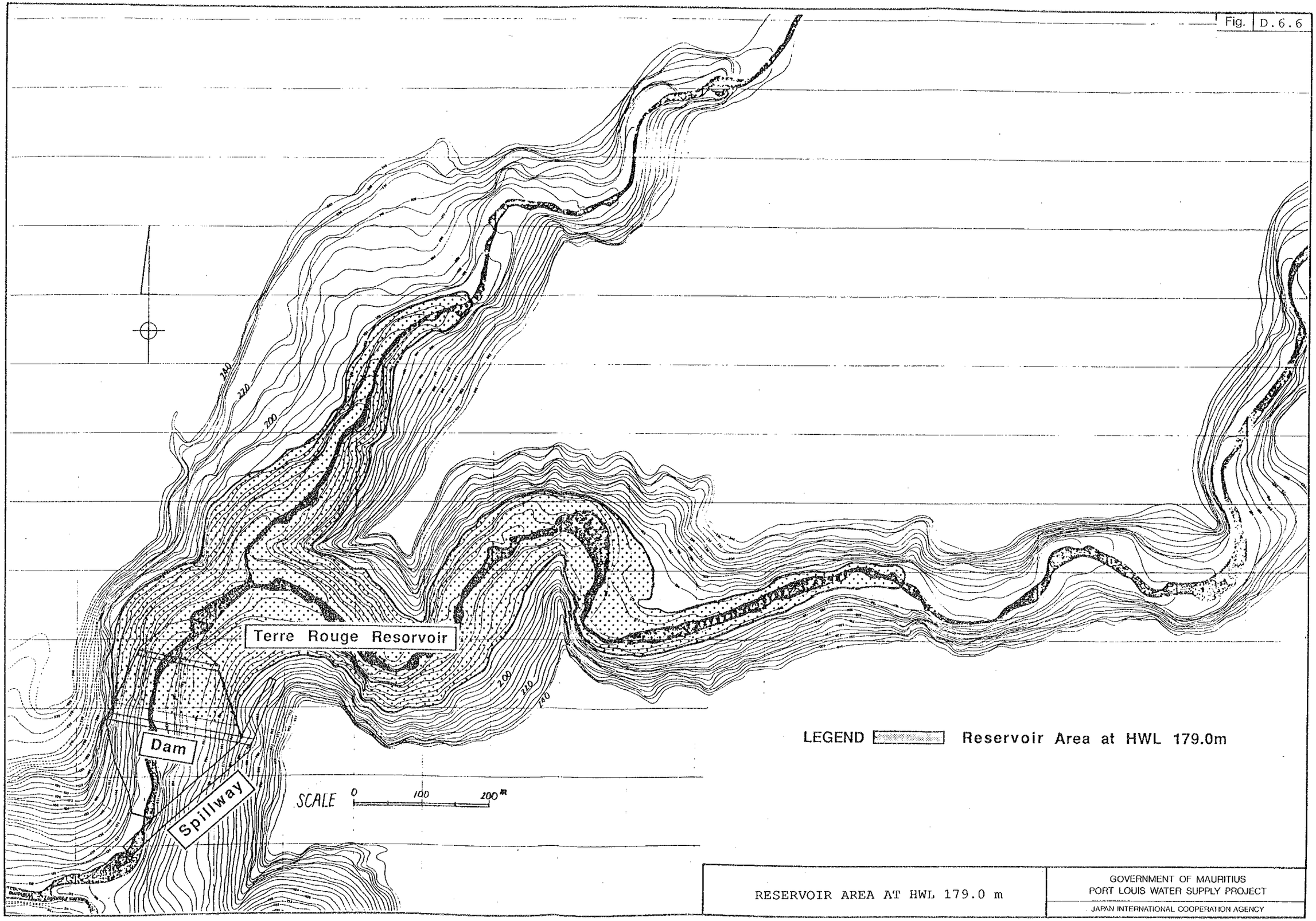


SECTION B-B

INTAKE PLAN , PLOFILE & SECTION

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. D.6.6



RESERVOIR AREA AT HWL 179.0 m

GOVERNMENT OF MAURITIUS
PORT LOUIS WATER SUPPLY PROJECT
JAPAN INTERNATIONAL COOPERATION AGENCY