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# TED SEASTBELLY STUDY DOWERTEAL AND LONDER ROMEO AGRICULTURATED VEROEMBINT PROJECT

Volume 3

DRAWINGS

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Japan Intercontaine

The United Republic of Tanzania

# THE FEASIBILITY STUDY ON LOWER HAI AND LOWER ROMBO AGRICULTURAL DEVELOPMENT PROJECT

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Volume 3

# DRAWINGS

November 1990

Japan International Cooperation Agency (JICA)

### THE FEASIBILITY STUDY

### ON

## LOWER HAI AND LOWER ROMBO AGRICULTURAL DEVELOPMENT

### PROJECT

### LIST OF REPORTS

.

### Volume 1 MAIN REPORT

## Volume 2 ANNEX REPORT

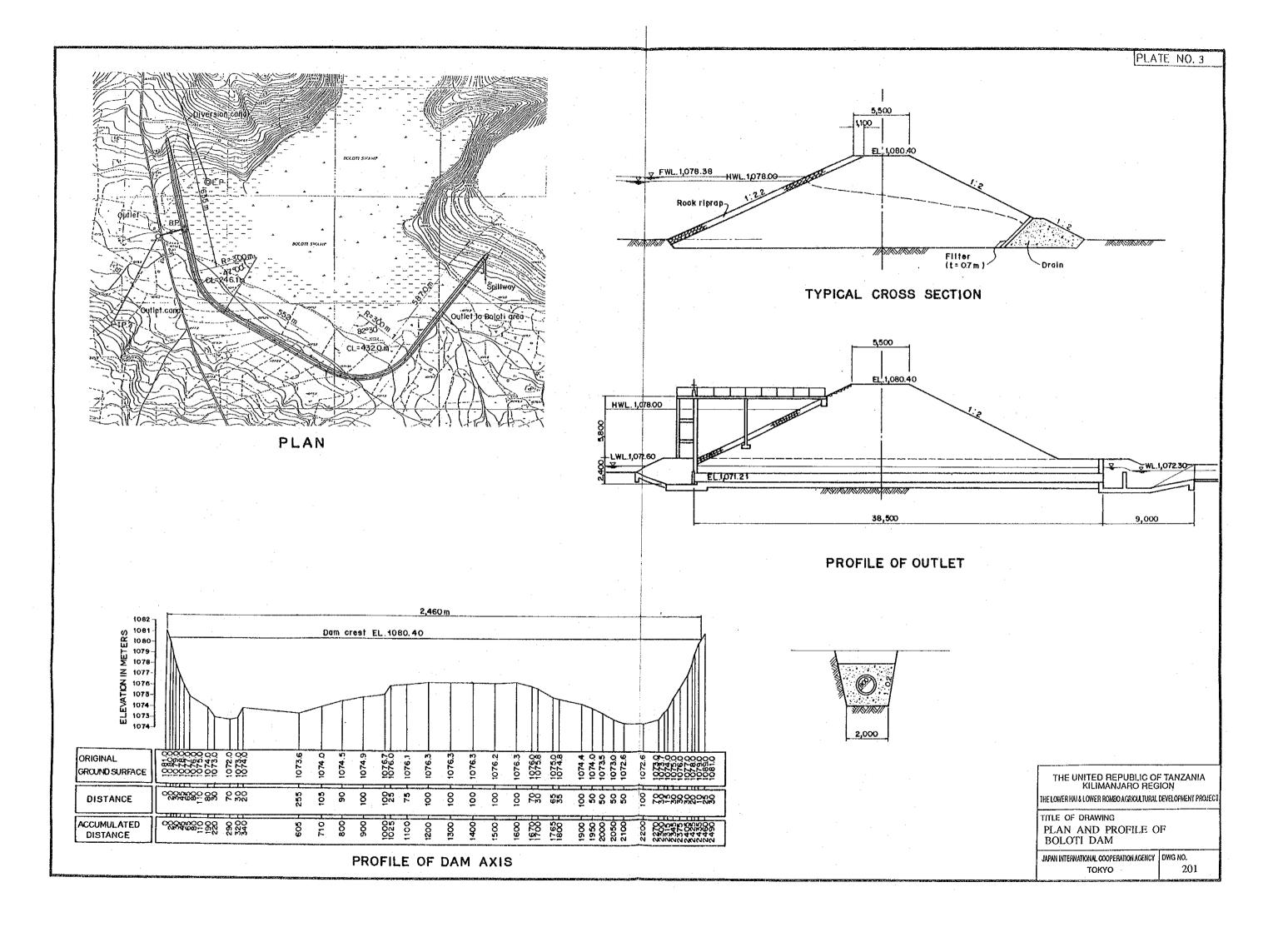
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ANNEX	в	METEOROLOGY AND HYDROLOGY
ANNEX	C	HYDROGEOLOGY
ANNEX	D	SOIL AND LAND CLASSIFICATION
ANNEX	E	AGRICULTURE AND AGRO-ECONOMY
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ANNEX	G	ENGINEERING DESIGN
ANNEX	H	PROJECT ORGANIZATION AND MANAGEMENT
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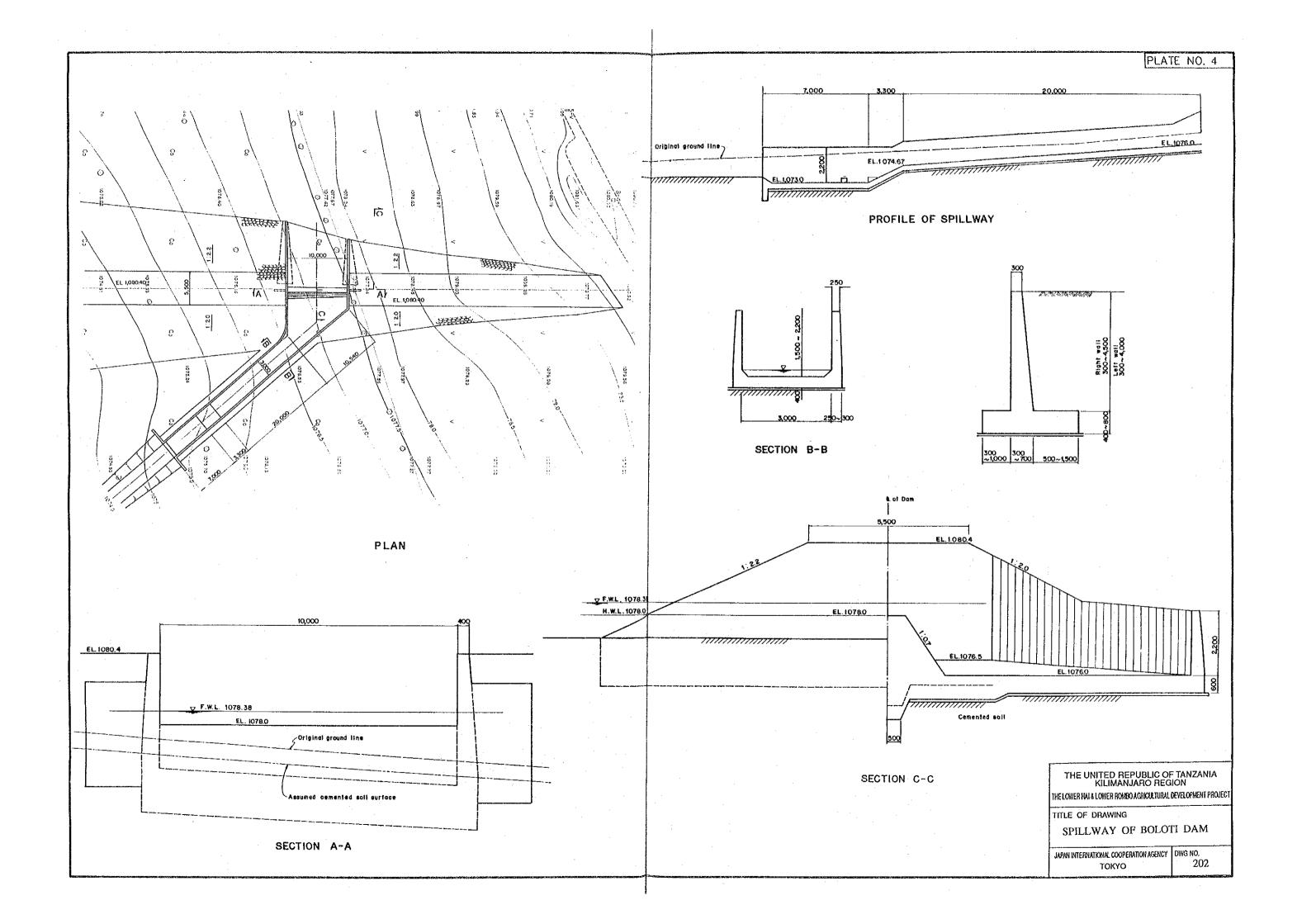
### Volume 3 DRAWINGS

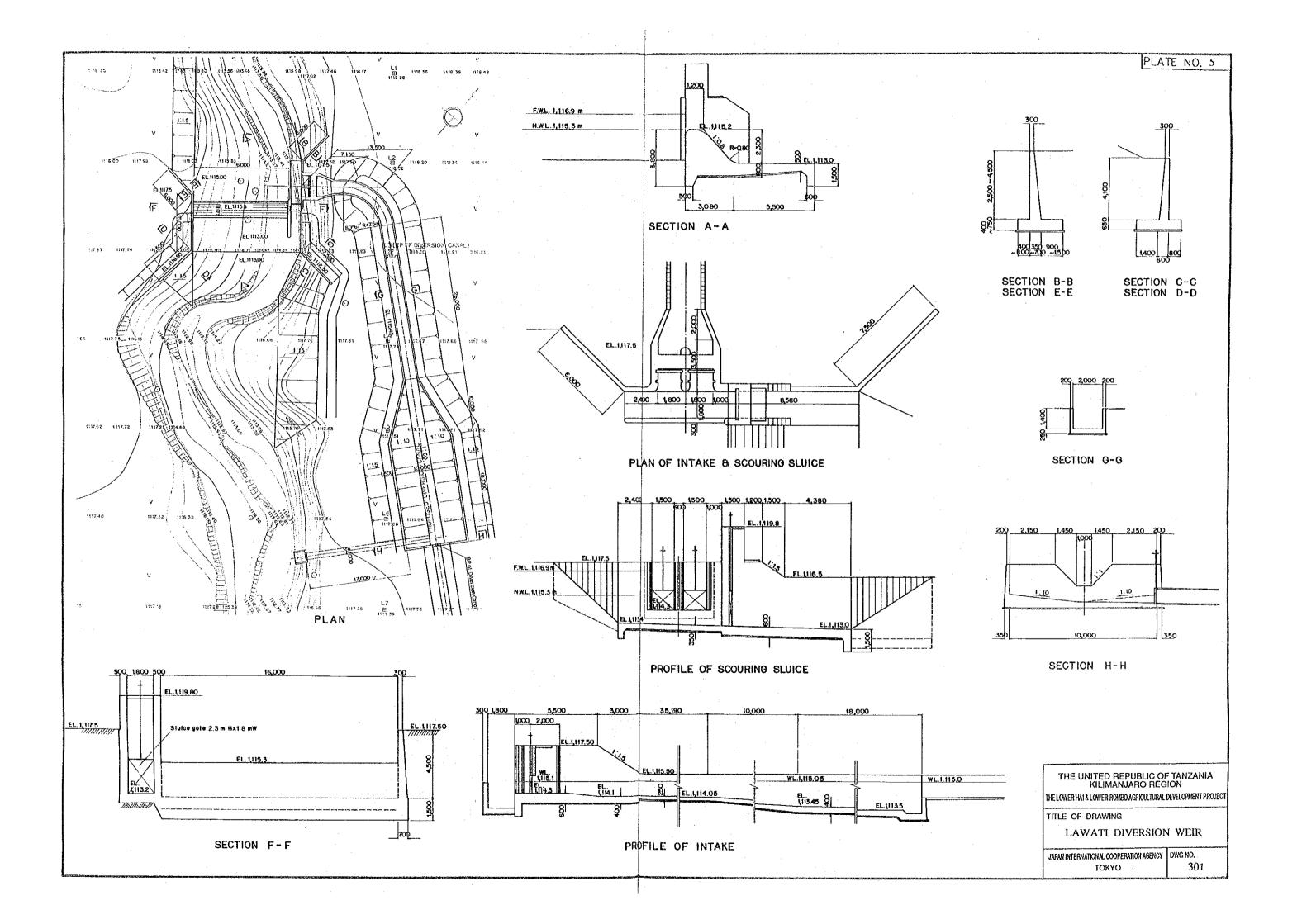
国際協力事業団 22064

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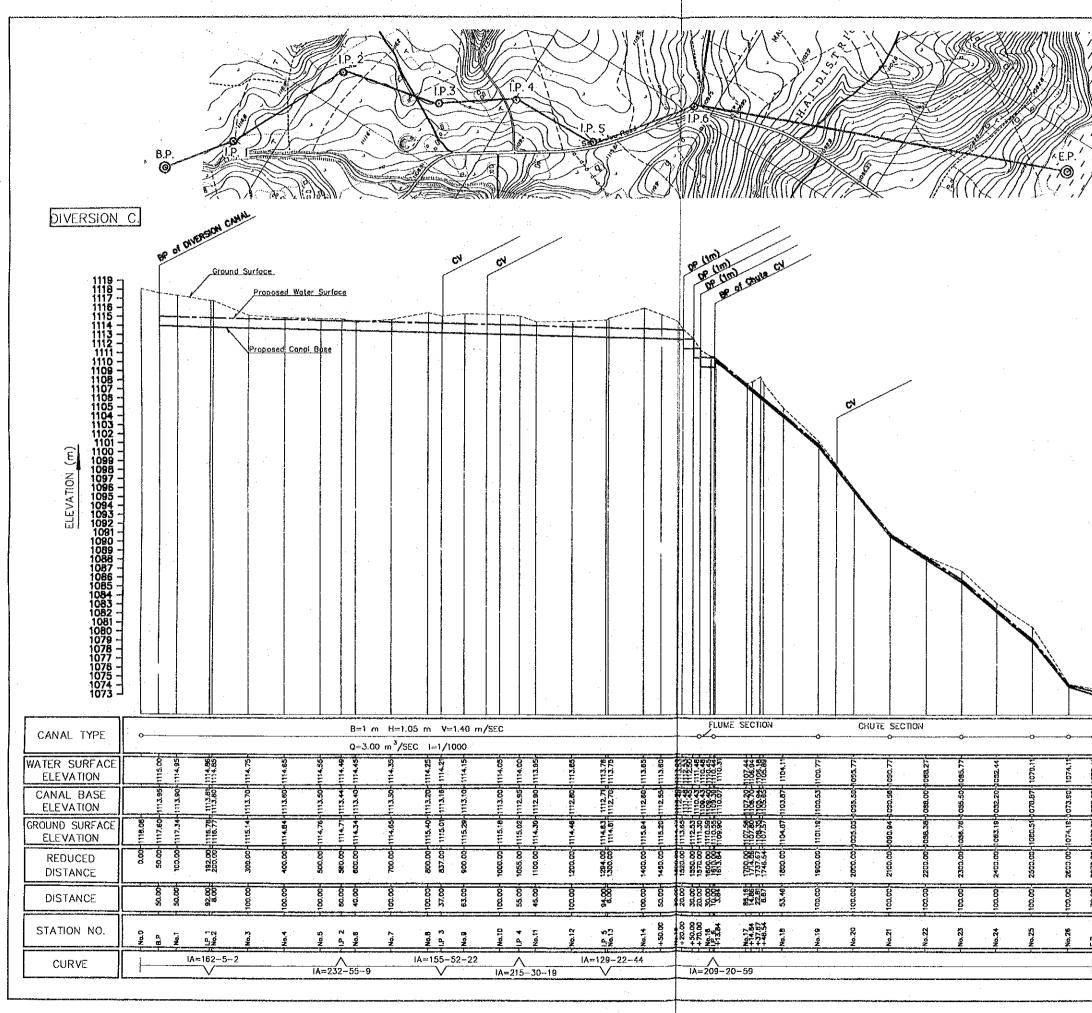
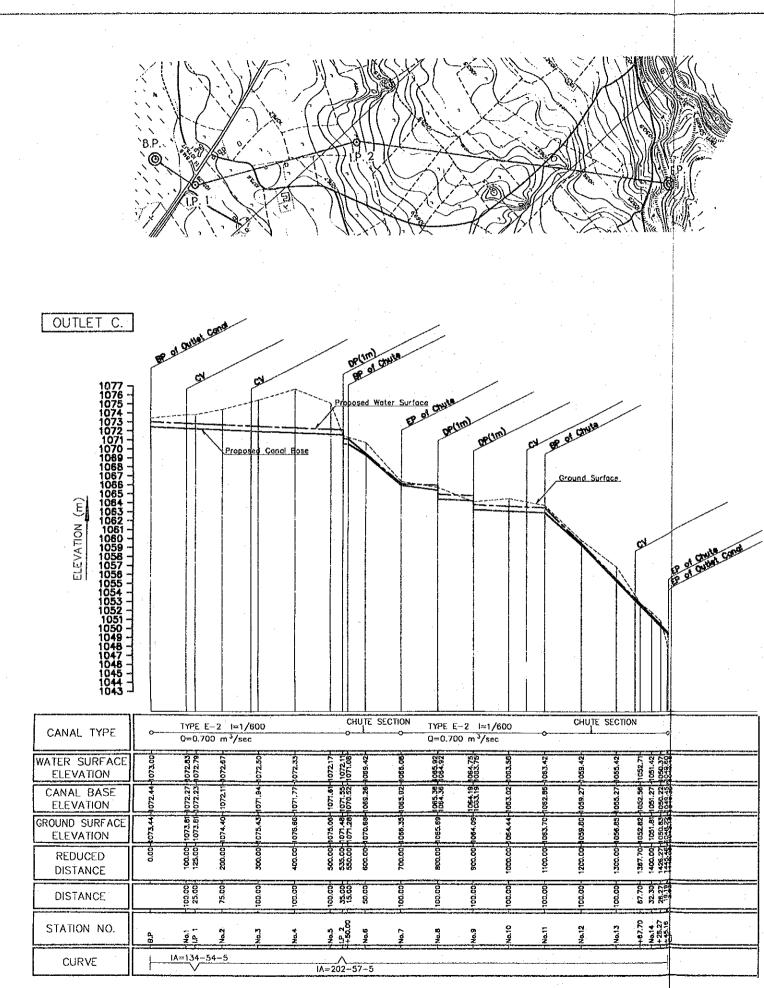


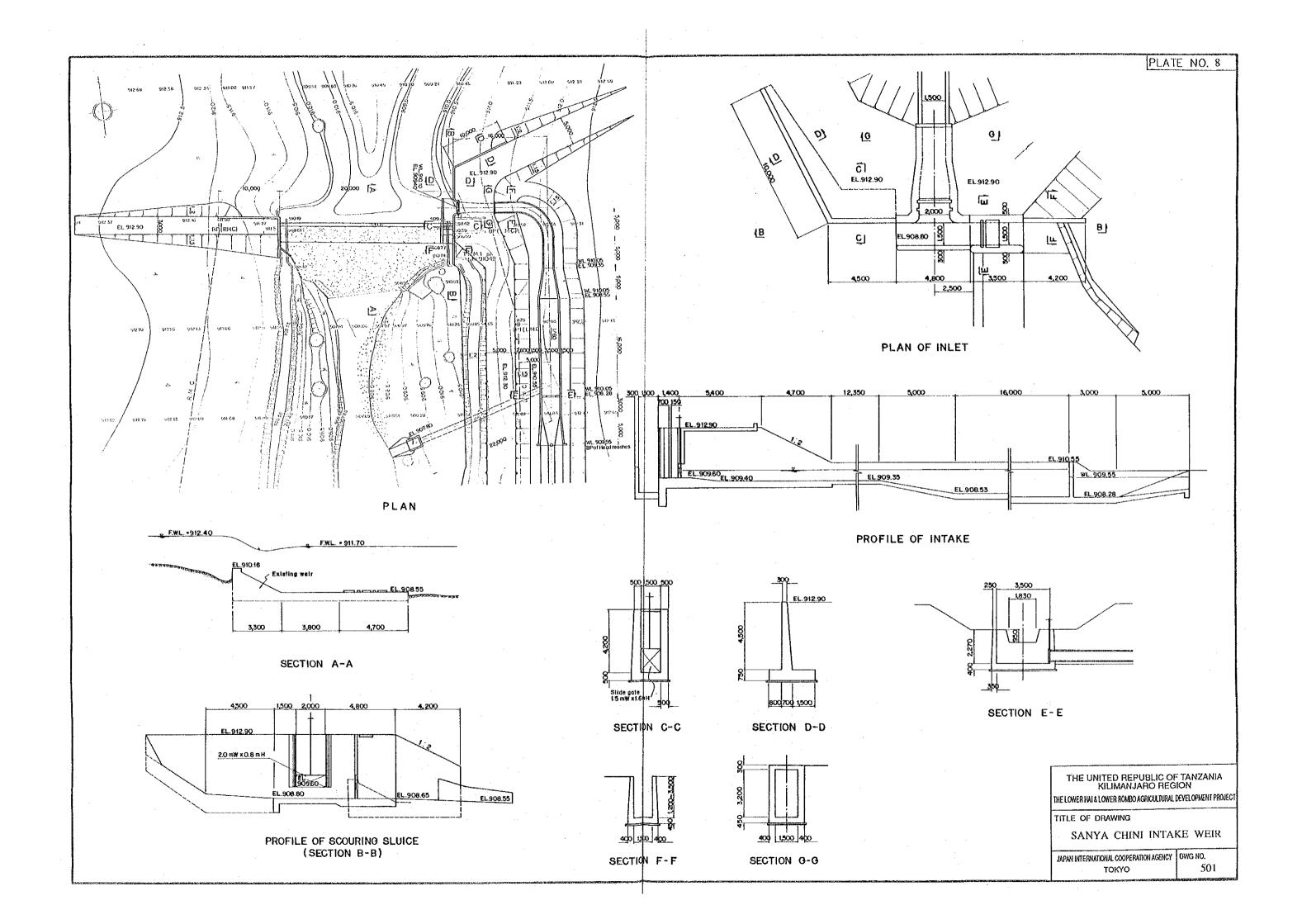
	PLATE NO. 6
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e of Oir	BP : Beginning point
	EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway
	HORIZONTAL SCALE (m) 0 100 200 300 400 500
	THE UNITED REPUBLIC OF TANZANIA KILIMANJARO REGION THE LONER HW & LONER ROMEO ASSOLITIVAL DEVELOPMENT PROJECT TITLE OF DRAWING
	PLAN AND PROFILE OF DIVERSION CANAL
	JAPAN INTERNATIONAL COOPERATION AGENCY DWG.NO. TOKYO 401



Remarks BP : Beginning point EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SCALE (m) 0 100 200 300 400 500

THE UNITED REPUBLIC O KILIMANJARO REG RE LONER HW & LONER ROMEO ARROLITARI	ION
TITLE OF DRAWING PLAN AND PROFIL OUTLET CANAL	le of
JAPAN INTERNATIONAL COOPERATION ASSNCY TOK YO	dwg.no. 402

PLATE NO. 7



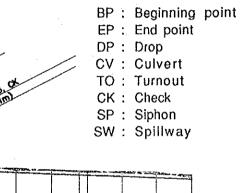
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	L.M.C.	e al them	Bases	a the sure	3		:												
	9132 9132 9132 9105 9005 9005 9005 9005 9005 9005 9005	Propos	sed Water Surface	A HAC BALL	m peim	<b>Return</b>	al orim	BR	um) Ground	surfoce.		R	eum) Of	-tim)	SN BE	um	<u>B810</u>	.am)	1031
	901 900 901									Proposed Conol	Bose								TRE LIM
CA	NAL TYPE	°0	TYPE B-1  =1/750 Q=1.050 m <sup>3</sup> /sec				D2 l=1/63 D1.m <sup>3</sup> /sec	0						1YPE D-2					0
	R SURFACE	909.55 - 72.909	909.43 909.30 909.30 909.17 908.17	908.83 908.65 908.65	907.49 905.41 906.33	906.17 906.13 905.13 905.08 905.08	60 60	803.70 803.54 802.54	902.39 902.39	902.05 907.06	900.90	900.06		898.43 899.33 897.33 897.27		885.85 885.85 885.85	815.78 885.29	035.13	894.87 893.97
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GROU	JND SURFACE	7 7 8	910.50 910.50 910.79 910.15	908.34	908.06-1 907.49-1 906.91-1	906.45 1 906.45 1 906.45 1 906.45 1 905.57 1	904.96	904.48	803.18 903.09	902.30 901.67 901.42	901.56 1		699.49	898.33 998.33		696.69 896.62	895.67	284.82	694.10
F	REDUCED	- I - I	200.00 300.00 317,422 400.00	6 6 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	750.00	908.001 5 923.951 5 960.001 1		1,200.00-1	1200.36	1500.000 5 1500.000 1034.34	1700.00			2300.00 1 2363.00 1 2109.00		2315.36	2400.00	200100	2000.00
	DISTANCE	37.13 62.87	100.00 109.00 17.42 82.58	00.00	50.00 50.00 50.00	100.00 23.95 39.05 40.00		100.00 100.00 100.00	9.62	100.00 1 100.00 1 34.34 1	55.06			50.00-2 60.00-2 40.00-2		25 25 25 25 25	64.67	200100	103.00
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1	┉┉┉┉┉	2 R) Z	<u> </u>	<u>z z</u>		A=153-25-10	z	<u> </u>					+	<u>~ + 2</u>	×	23			
	CURVE		IA=181-45-45			V		IA=	183-52-2	IA=151-	3-10				IA:	=192-5-3	1		

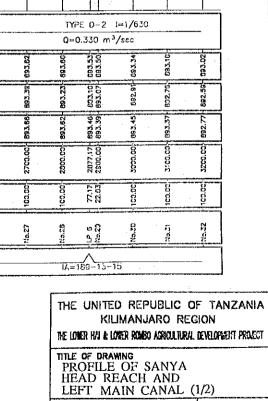
HORIZONTAL SCALE (m) 0 100 200 300 400 500

00 500

# PLATE NO. 9

### Remarks





LEFT MAIN CANAL (1/2) APAN INTERNATIONAL COOPERATION ASSERTY DWG.NO. TORYO 601

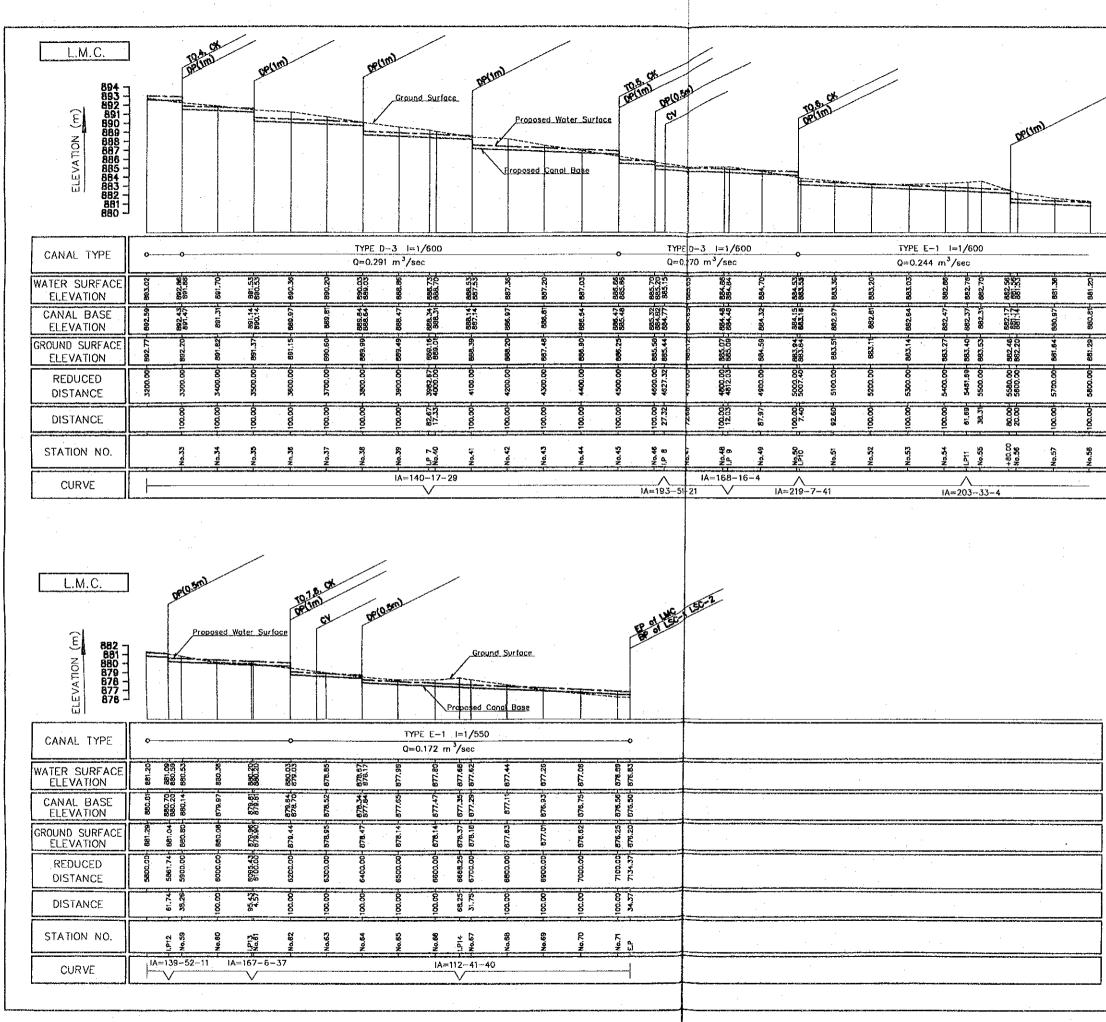
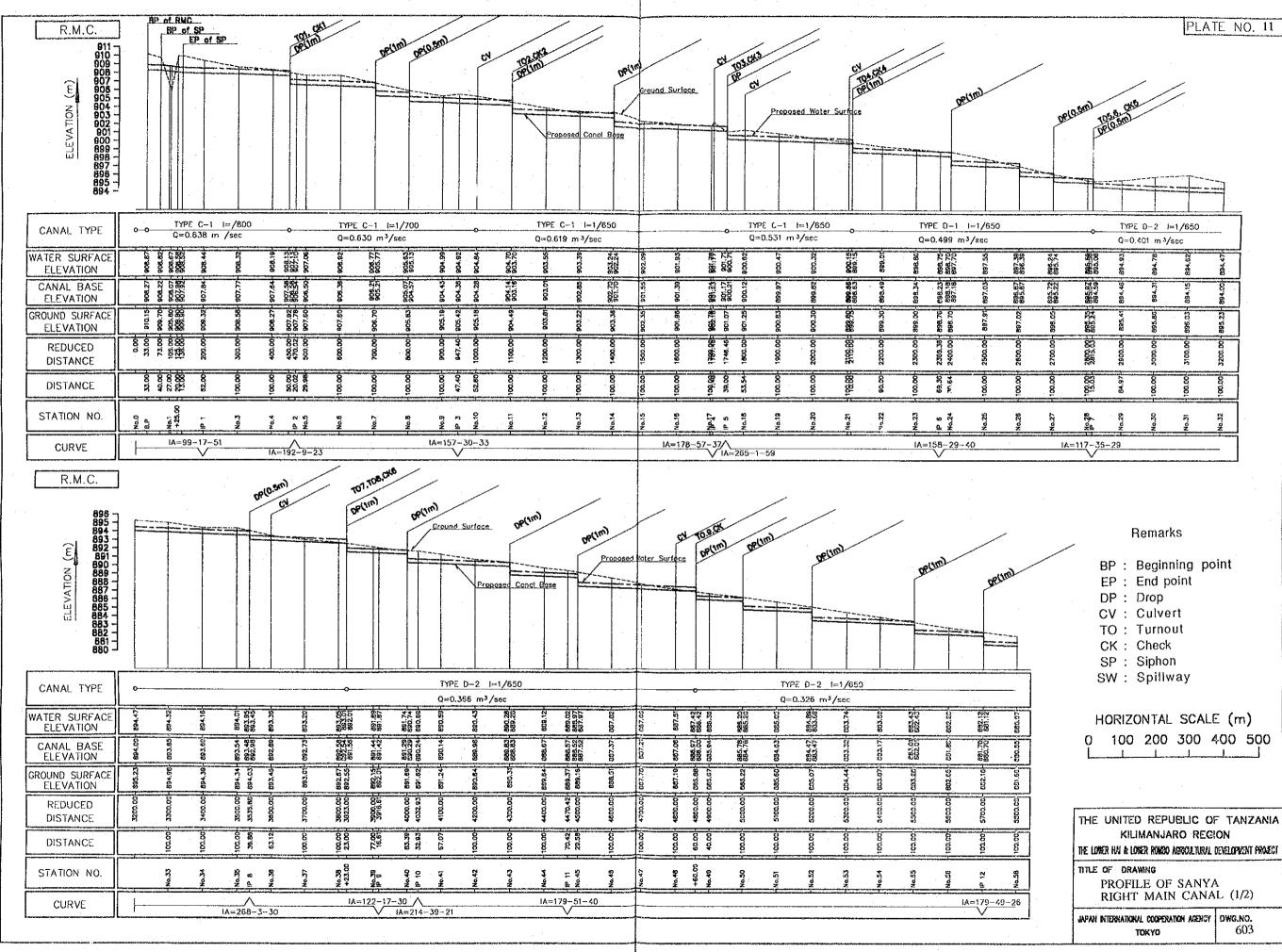


PLATE NO. 10 Remarks BP : Beginning point EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SCALE (m) 0 100 200 300 400 500 1 1 THE UNITED REPUBLIC OF TANZANIA KILIMANJARO REGION THE LORER HAI & LORER ROMBO AGRICULTURAL DEVELOPMENT PROJECT TITLE OF DRAWING PROFILE OF SANYA HEAD REACH AND LEFT MAIN CANAL (2/2) JAPAN INTERNATIONAL COOPERATION AGENCY DWG.NO. 602 TOKYO



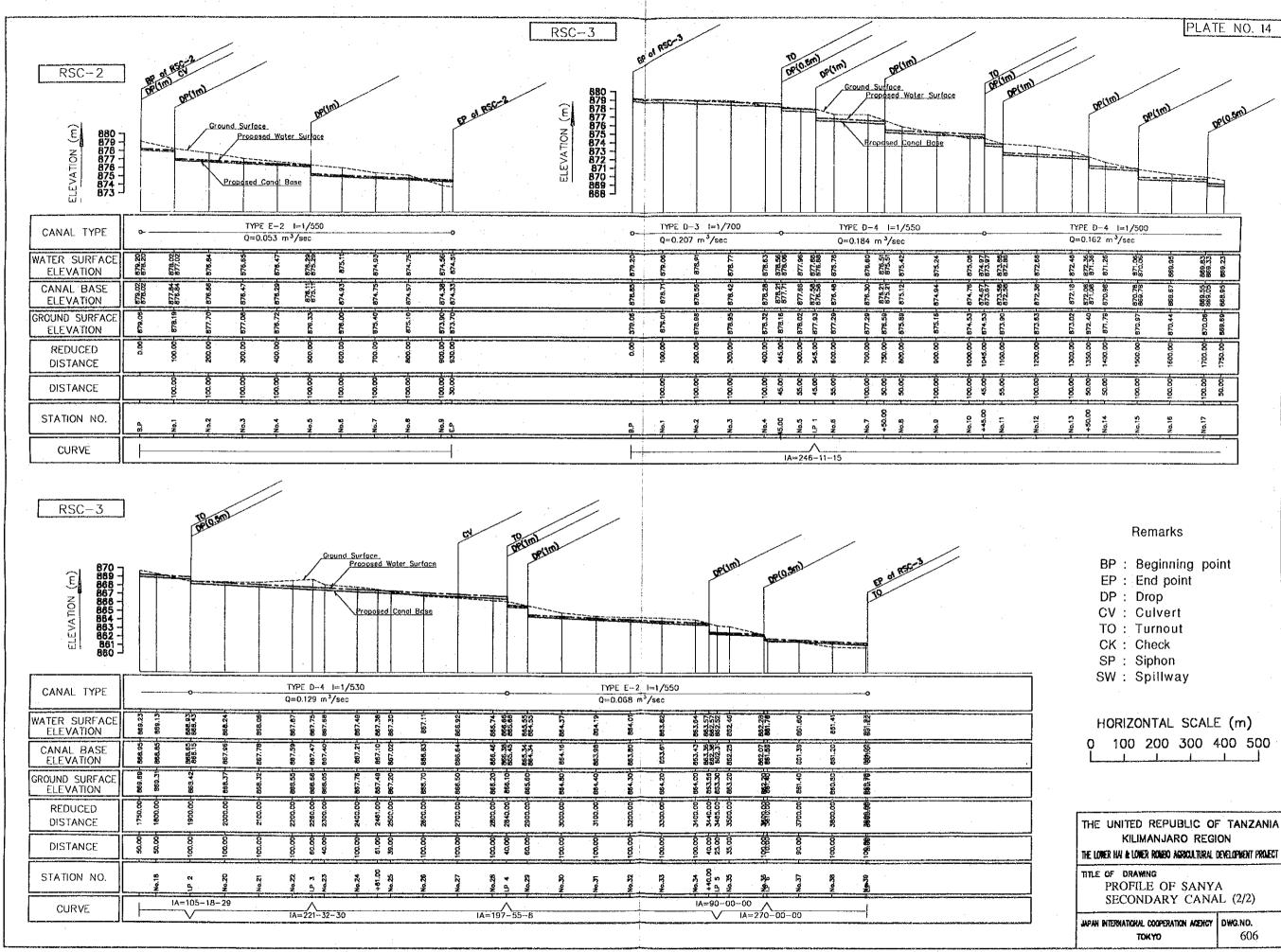
BP :	Beginning	point
EP :	End point	
DP :	Drop	
CV :	Culvert	
TO :	Turnout	
CK :	Check	
SP :	Siphon	
SW:	Spillway	

THE UNITED REPUBLIC OF KILIMANJARO REC	
THE LOWER HAI & LOWER ROMED ASSOCIATIONAL	EVELOPHENT PROJECT
TITLE OF DRAWING PROFILE OF SANY/ RIGHT MAIN CANA	
JAPAN INTERNATIONAL COOPERATION AGENCY TOK YO	dwg.no. 603

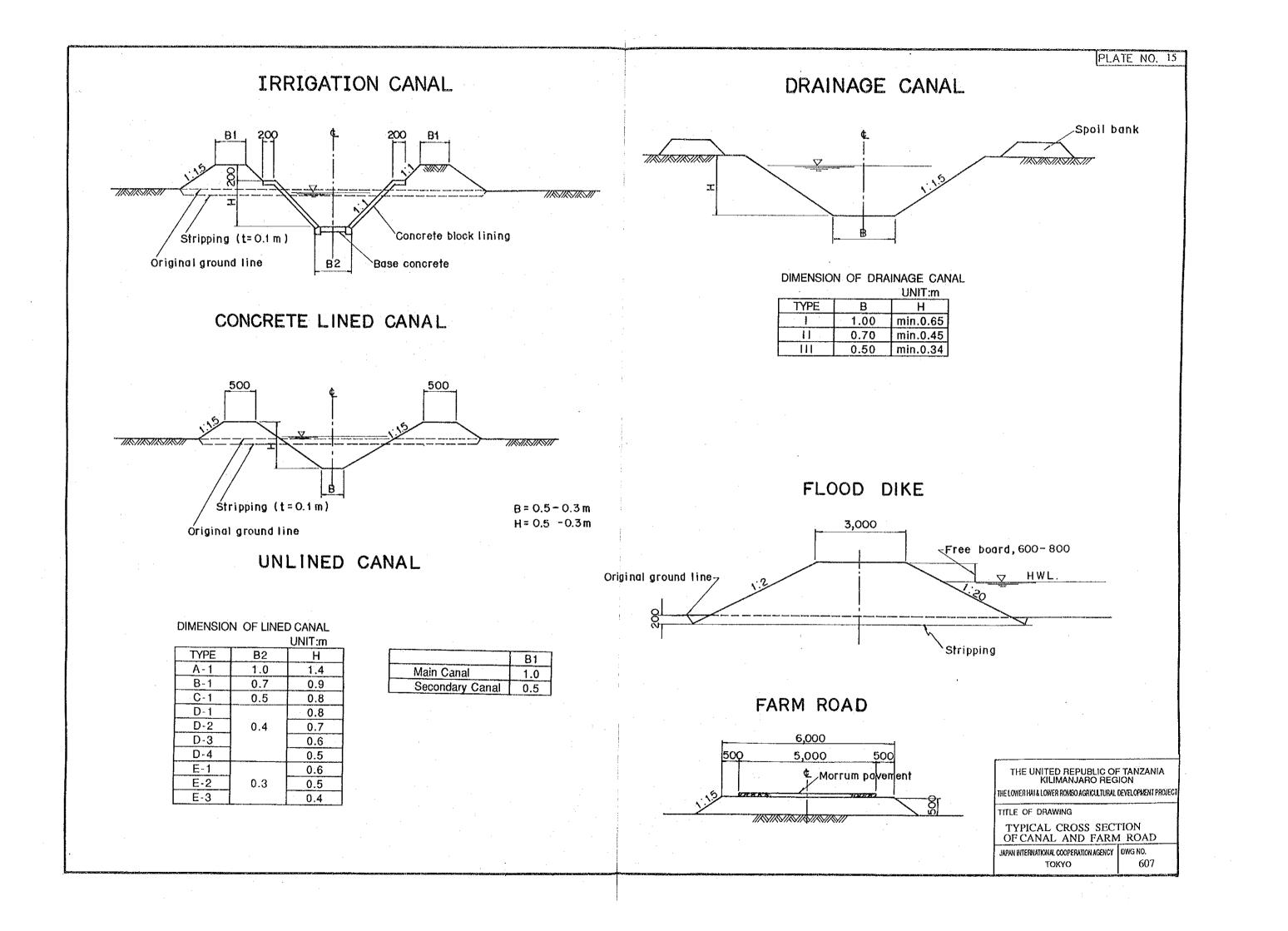
			PLATE NO. 12
R.M.C.	a staticas		
E	Ground Surface Proposed Water Surface		
NOLL 882 861- 860- 879- 879-			
CANAL TYPE	Proposed Canal Bass   TYPE D-2   I=1/650   o     Q=0.326 m³/sec   o		
WATER SURFACE	20 20 20 20 20 20 20 20 20 20 20 20 20 2		
CANAL BASE ELEVATION	860.24-1 860.24-1 873.24-1 873.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-2 875.23-25-2 875.23-2 875.23-2 875.23-2 875.25-25-25-25-25-25-25-25-25-25-25-25-25-2		
GROUND SURFACE	880.88 880.88 880.35 873.85 873.85 873.85 873.95 873.05 875.05 87		
REDUCED 8 DISTANCE 8	5900, 20 6100, 20 6100, 20 6754, 21 6754, 21		
DISTANCE	00 00 00 00 00 00 00 00 00 00 00 00 00		
STATION NO.	→ → → → → → → → → → → → → → → → → → →		
CURVE -			
		Remarks BP : Beginning	point
		BP : Beginning EP : End point DP : Drop CV : Culvert	point
		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check	point
CANAL TYPE		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout	
		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SC	CALE (m)
CANAL TYPE WATER SURFACE ELEVATION CANAL BASE ELEVATION		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway	CALE (m)
WATER SURFACE ELEVATION		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SC	CALE (m)
WATER SURFACE ELEVATION CANAL BASE ELEVATION		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SC O 100 200 30	CALE (m) 00 400 500
WATER SURFACE ELEVATION CANAL BASE ELEVATION GROUND SURFACE ELEVATION REDUCED		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SC O 100 200 30 L 1 L 1 THE UNITED REPUBLIC KILIMANJARO THE UNITED REPUBLIC	CALE (m) 00 400 500  C OF TANZAN REGION
WATER SURFACE ELEVATION CANAL BASE ELEVATION GROUND SURFACE ELEVATION REDUCED DISTANCE		BP : Beginning EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SC O 100 200 30 L I I I I THE UNITED REPUBLIC KILIMANJARO	CALE (m) 00 400 500 1 J

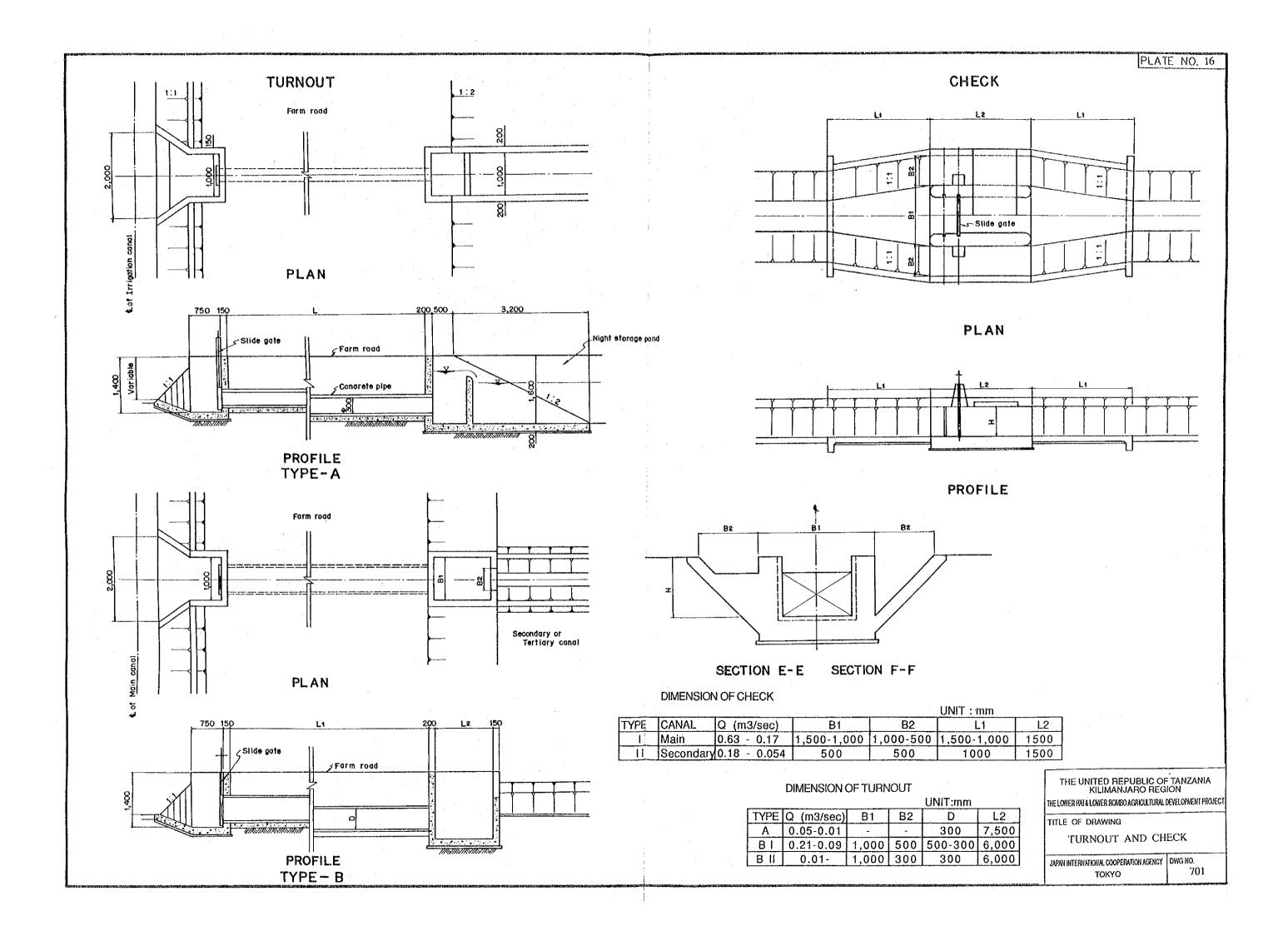
	BR BILLER				LSC-	2	Re at Later	Delim			EN .			
LSC-1 (u) 876 876 876 876 1 876 1 874	Ground Surface Proposed Water Surface Proposed Canal Base	al been			ELEVATION (m)	877 - 878 - 875 - 874 - 874 - 872 - 872 - 871 -		nd Surfa			AL-	Pi0.5m	3.00	E
CANAL TYPE	TYPE E-2 I=1/500 0			<u> </u>	· ·	· · ·		E-2 .080 m	l=1/550 /sec			PEE-3 1 0.055 m		0
WATER SURFACE ELEVATION	875.33 875.33 875.35 875.35 875.35 874.83 874.53 874.53						875.53 875.35 875.35	674.36 674.26	874.08 874.08	873.89 673.36 673.36 873.21	873.03 872.53	672.35	872.17	871.38H
CANAL BASE ELEVATION	875.17 875.11 875.11 874.91 874.91 874.51 874.51 874.51					, P	875.31 875.31 875.13	874.04 874.04	873.86 873.88	873.67 873.64 873.18 873.03	872.85 872.35	872.17	871.99	871.80
GROUND SURFACE ELEVATION	876.20- 875.71- 875.71- 875.04- 874.54- 574.54-		· · · ·	······			876.20 875.71	874.67	B74.02-	873.45 873.35 873.35	872.55	872.19	a71.83-	871.40
REDUCED D'STANCE	5,00- 100.00- 200.00- 400.00- 470.11-						100.00	200,002	300.00	400.00 420.00 500.00	600.00	700.00	800.00	900.006
DISTANCE	100.00 100.00 100.00 100.00						100,00	50.00	100.00	20 20 20 20 20 20 20 20 20 20 20 20 20 2	8.00	100.00-	100.00	100.00
STATION NO.	<b>7</b> 8 8 -						- <del>-</del>	2	n		¢	<u></u>	ED D	
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CURVE							<u>, 2</u>		<u>2</u>  A=	<u>ġ</u> ≞ <u>ġ</u> 	¥	<u>2</u>		
CURVE RSC-1 (E) 902 900 900 900 900 900 900 900	Film Film Film Film Film Film Film Film	Wate: Surface	TYPE E-3 1=1/- Q=0.054 m <sup>3</sup> /sec	450	FE AL	ŝer			<u>é</u> <u> A=</u>	<u><u><u><u></u></u><u><u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u></u>			2	
(L) 902 - 901 - 900 - 899 - 896 - 896 - 896 - 896 - 896 - 897 - 896 - 89	Erection Frequencies Frequenc	Wate Surface	TYPE E-3 1=1/4	450 57 58 58 58 58 58 58 58 58 58 58 58 58 58	605.54	802		<u>9</u>	<u>é</u> 1A=	<u><u><u><u></u></u><u><u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u>	<u>2</u>	2	2	
(2) 902 - 901 - 900 - 899 - 905 - 90	Crownd Surface Proposed Conol Base Conol	Woie Surface	TYPE E-3 1=1/4			8e2		2		<u><u><u><u></u></u><u><u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u>	<u>2</u>			
(E) 902 - 901 - 900 - 899 - 899 - 898 - 898 - 898 - 898 - 898 - 898 - 898 - 895 - UU 895 - UU	Proposed     Proposed <t< td=""><td>Moie   Surface     201   201     201<!--</td--><td>TYPE E-3 1=1/4</td><td>- 896.001 896.04 836.21 695.65 - 895.82 - 895.69 695.50 - 895.69 - 895.69</td><td>6 894.76 895.37 895.36 895.37 - 0</td><td>802</td><td></td><td><u>9</u></td><td></td><td><u><u><u><u></u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></td><td><u>ý</u></td><td></td><td></td><td></td></td></t<>	Moie   Surface     201   201     201 </td <td>TYPE E-3 1=1/4</td> <td>- 896.001 896.04 836.21 695.65 - 895.82 - 895.69 695.50 - 895.69 - 895.69</td> <td>6 894.76 895.37 895.36 895.37 - 0</td> <td>802</td> <td></td> <td><u>9</u></td> <td></td> <td><u><u><u><u></u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></td> <td><u>ý</u></td> <td></td> <td></td> <td></td>	TYPE E-3 1=1/4	- 896.001 896.04 836.21 695.65 - 895.82 - 895.69 695.50 - 895.69 - 895.69	6 894.76 895.37 895.36 895.37 - 0	802		<u>9</u>		<u><u><u><u></u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u>	<u>ý</u>			
RSC-1 (E) 902 - 900 -	Crownd Surface Proposed V Proposed Conol Base OCCUPE E-2 I=1/500 OQ=0.088 m <sup>3</sup> /sec	Waie Surface	TYPE E-3 1=1/4	00- 596.04 - 395.27 55- 595.62 - 595.69 50- 595.69 - 595.69	6 835.37 6 835.37 6 835.34 0	802		2		<u><u><u><u></u></u><u><u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u>	<u>ý</u>	2		
RSC-1   (E) 902   901 901   900 900   899 900   899 900   898 898   901 900   898 898   901 898   902 899   901 900   898 898   902 898   901 898   902 898   901 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898   900 898	Proposed     Proposed <t< td=""><td>Moie   Surface     201   201     201<!--</td--><td>TYPE E-3 1=1/4 Q=0.054 m<sup>3</sup>/sec 99 99 99 99 99 99 99 99 99 99 99 99 99</td><td>- 896.001 896.04 - 896.21 695.65 - 895.82 - 895.69 695.50 - 895.69 - 895.69</td><td>6 894.76 895.37 895.36 895.37 - 0</td><td>800</td><td></td><td>2</td><td></td><td><u><u><u><u></u></u><u><u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u></td><td><u>ý</u></td><td>2</td><td></td><td></td></td></t<>	Moie   Surface     201   201     201 </td <td>TYPE E-3 1=1/4 Q=0.054 m<sup>3</sup>/sec 99 99 99 99 99 99 99 99 99 99 99 99 99</td> <td>- 896.001 896.04 - 896.21 695.65 - 895.82 - 895.69 695.50 - 895.69 - 895.69</td> <td>6 894.76 895.37 895.36 895.37 - 0</td> <td>800</td> <td></td> <td>2</td> <td></td> <td><u><u><u><u></u></u><u><u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u></td> <td><u>ý</u></td> <td>2</td> <td></td> <td></td>	TYPE E-3 1=1/4 Q=0.054 m <sup>3</sup> /sec 99 99 99 99 99 99 99 99 99 99 99 99 99	- 896.001 896.04 - 896.21 695.65 - 895.82 - 895.69 695.50 - 895.69 - 895.69	6 894.76 895.37 895.36 895.37 - 0	800		2		<u><u><u><u></u></u><u><u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u></u>	<u>ý</u>	2		
RSC-1   (E) 902   901 901   900 899   897 898   898 897   898 897   898 897   898 898   901 898   898 897   898 898   898 898   898 898   898 898   898 898   WATER SURFACE 894   CANAL BASE ELEVATION   CANAL BASE ELEVATION   GROUND SURFACE ELEVATION   REDUCED DISTANCE	Type   E-2   I=1/500     Construction   Type   E-2   I=1/500     Construction   Construction   Construction   Construction     Construction	Moie   Smith	TYPE E-3 1=1/- Q=0.054 m <sup>3</sup> /sec 99 955 85 99 955 85 90 9	100.001 1100.001 896.001 996.041 896.21	1100.000 895.35 825.50 895.77	802		2		<u><u><u><u></u></u><u><u></u><u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u></u></u></u>	<u>ý</u>			

PLATE NO. 13 01 150-2 Remarks BP : Beginning point EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway HORIZONTAL SCALE (m) 0 100 200 300 400 500 THE UNITED REPUBLIC OF TANZANIA KILIMANJARO REGION THE LONER HAN & LONER ROMBO AGRICULTURAL DEVELOPMENT PROJECT TITLE OF DRAWING PROFILE OF SANYA SECONDARY CANAL (1/2) JAPAN INTERNATIONAL COOPERATION AGENCY DWG.NO. 605 TOKYO



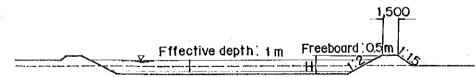
BP : Beginning po EP : End point DP : Drop CV : Culvert TO : Turnout CK : Check SP : Siphon SW : Spillway	int
HORIZONTAL SCALE	
THE UNITED REPUBLIC OF KILIMANJARO REGI THE LONER HA & LONER ROMED ASSOLUTIONAL	ON
TILE OF DRAWING PROFILE OF SANYA SECONDARY CANA	4 .L (2/2)
JAPAN INTERNATIONAL COOPERATION AGENCY TOK YO	<b>dwg.nd.</b> 606





200 L1 950 Turnout Check Drop Main or Secondary canal 2,250 3,600 1,500 <u>1:2</u> Road 1.5 N Spillway , ∲500 AV IO Gate Type 36/10 or Equivalent <u>60</u> 2,150 卣 Outlet 300 300 Slide gate 450 Outlet of Night Storage Pond

PLAN



PROFILE

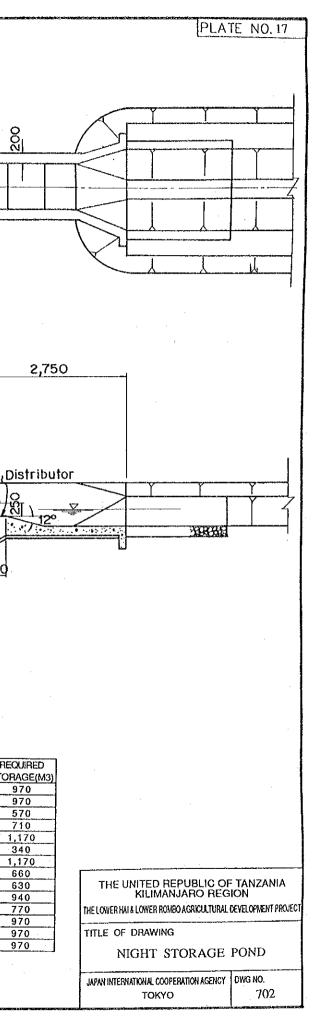
# DIMENSION OF NIGHT STORAGE POND

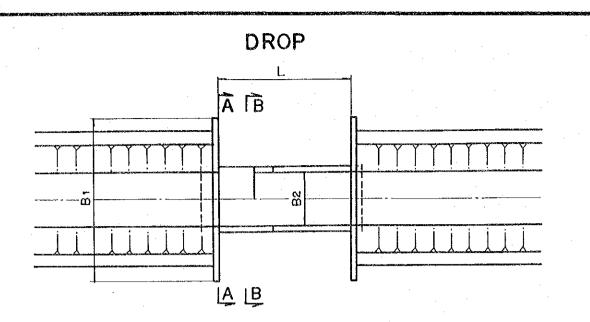
L_ 1	L2	Н
4,000 ~ 3,000	4,000 ~ 3,000	1,800 ~ 1,500

### LIST OF NIGHT STORAGE POND

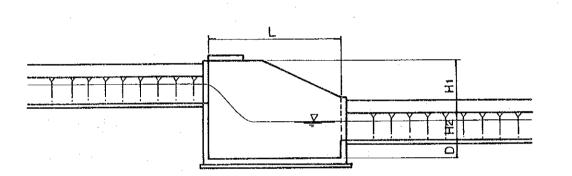
NO.OF	PARENT	OFF-TAKING	REQUIRED
CANAL	CANAL	CANAL	STORAGE(M3)
L-0-2	LMC	LTC-0-2	860
L-0-3	LMC	LTC-0-3	1,170
L-0-4	LMC	LTC-0-4	1,110
L-0-5	LMC	LTC-0-5	600
L-0-6	LMC	LTC 0-6	740
L-0-7	LMC	LTC-0-7	1,200
L-0-8	LMC	LTC-0-8	860
L 1 1	LSC-1	LTC-1-1	710
L-1-2	LSC-1	LTC 1-2	860
L-1-3	LSC-1	LTC 13	710
L-2-1	LSC-2	LTC-2-1	880
L-2-2	LSC-2	LTC-2-2	1,740
R-0-3	FIMC	RTC-0-3	910
R-0-4	FIMC	RTC-0-4	910
R-0-5	FIMC	RTC-0-5	910
R-0-6	FIMC	RTC-0-6	970
R-0-7	RMC	RTC-0-7	1,000
R-0-8	FMC	RTC-0-8	1,140

NO.OF	PARENT	OFF-TAKING	REQUIRE
CANAL	CANAL	CANAL	STORAGE(
R-1-1	RSC-1	RTC-1-1	970
R-1-2	RSC-1	RTC-1-2	970
R-1-3	RSC-1	RTC-1-3	570
R-2-1	RSC-2	RTC-2-1	710
R-2-2	RSC-2	RTC-2-2	1,170
R-2-3	RSC-2	RTC-2-3	340
R-2-4	RSC-2	RTC-2-4	1,170
R-3-1	RSC-3	RTC-3-1	660
R-3-2	RSC-3	RTC-3-2	630
R-3-3	RSC-3	RTC-3-3	940
H-3-4	RSC-3	RTC-3-4	770
R-3-5	RSC-3	RTC-3-5	970
R-3-6	RSC-3	ALC-3-6	970
R-3-7	RSC-3	RTC-3-7	970

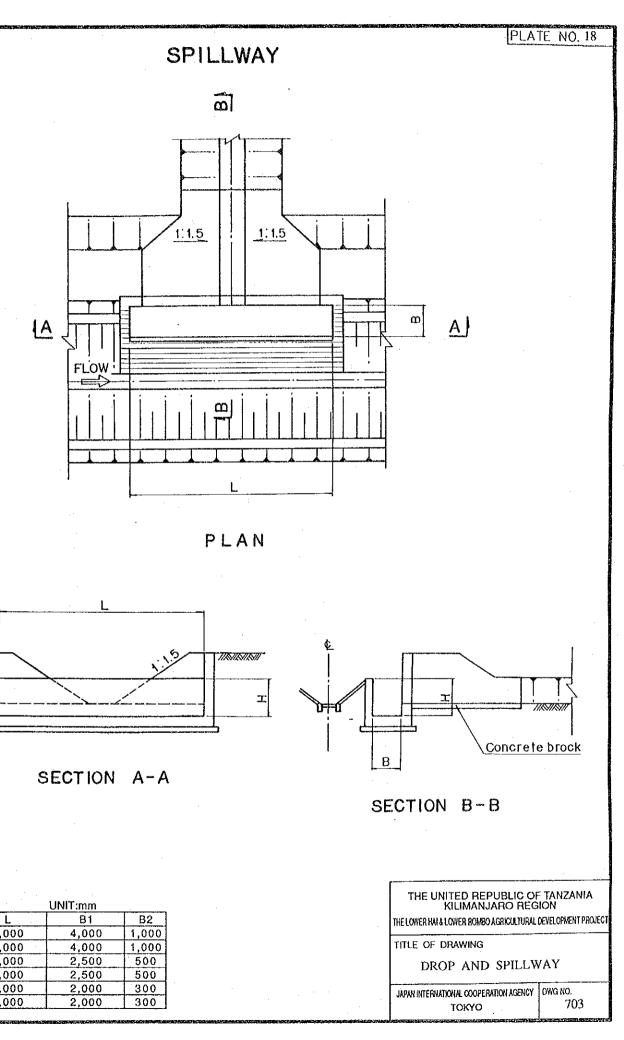


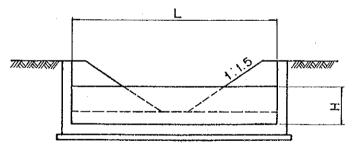


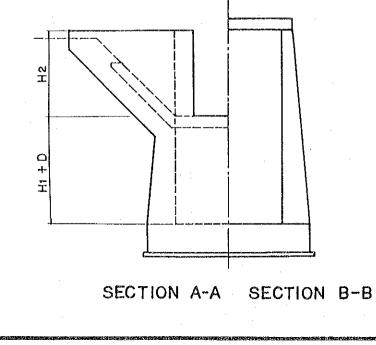
PLAN



PROFILE





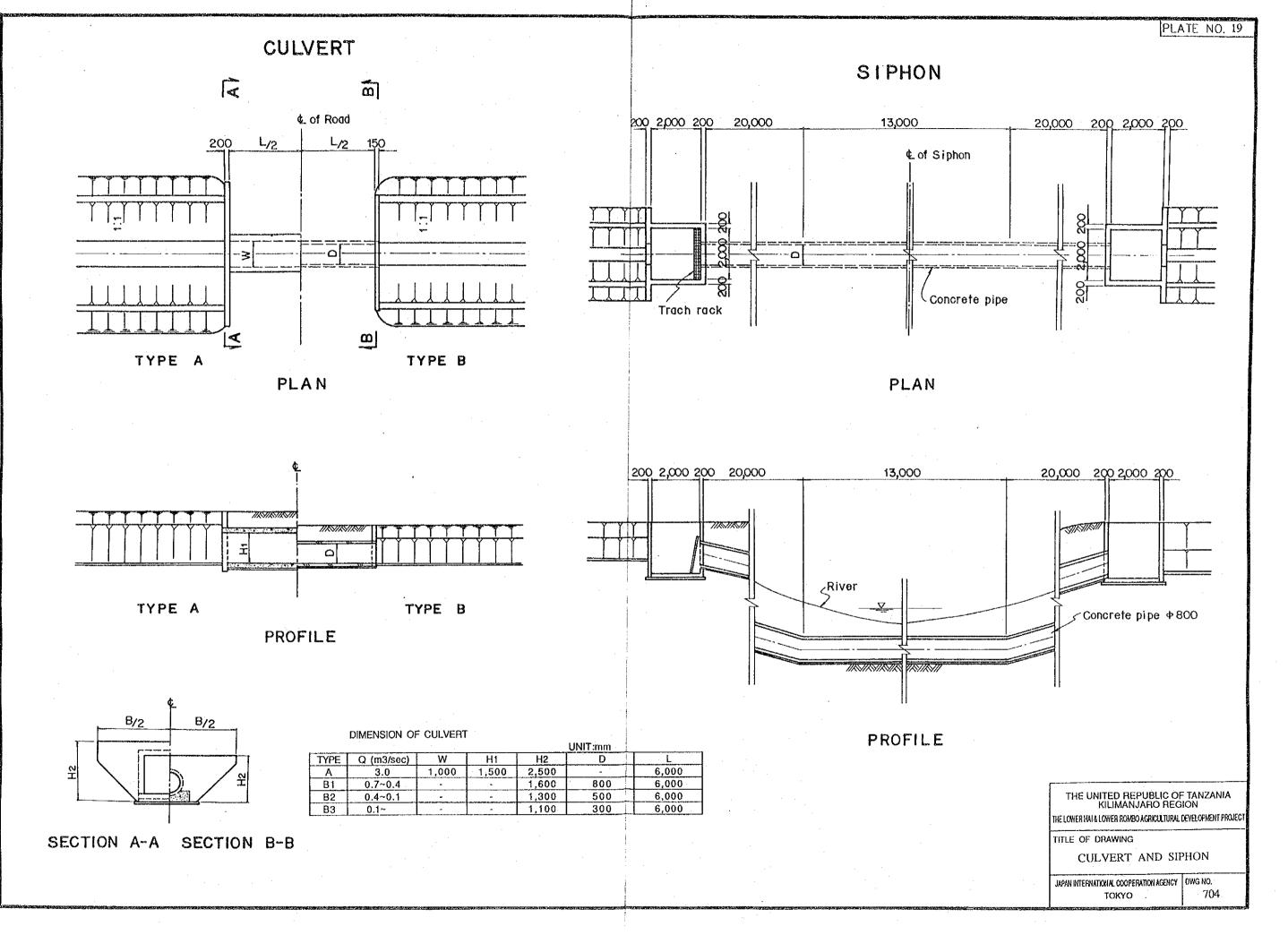


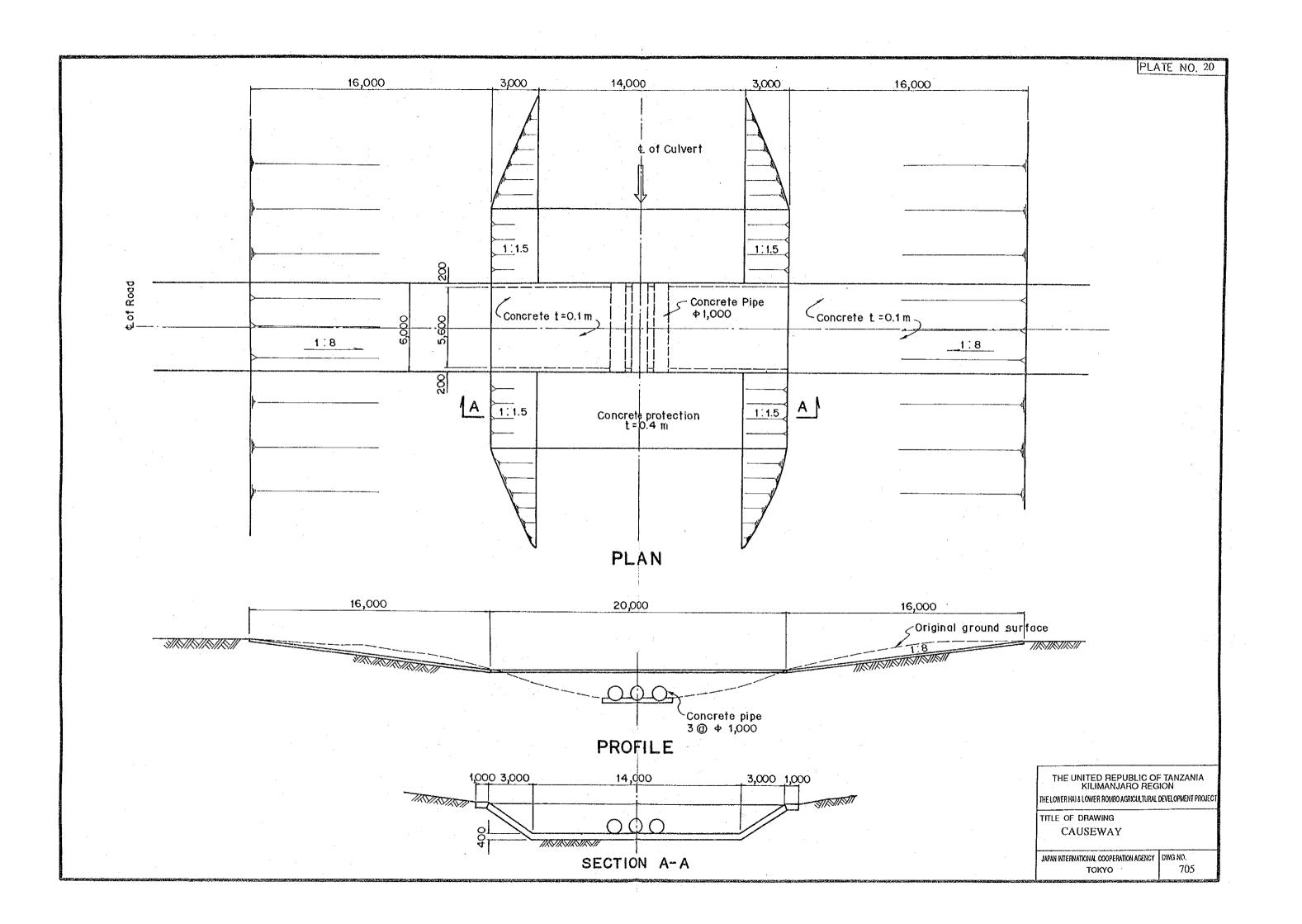
DIMENSION OF SPILLWAY

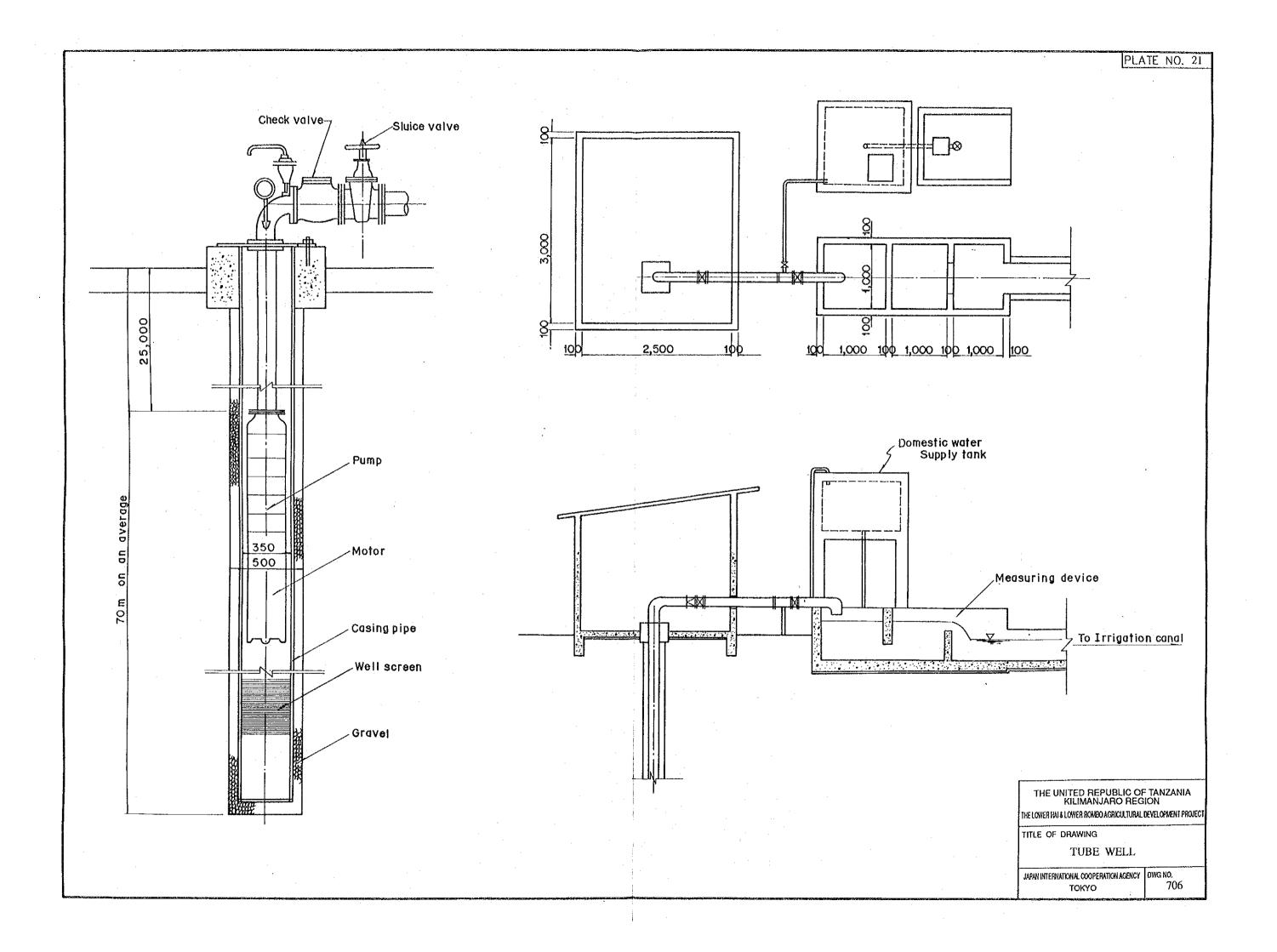
•			·	UNIT:mm	
TYPE	Q (m3/sec)	8	H	- L	
	0.1~0.2	500	500	2,000	
11	0.2~0.5	600	600	4,000	
	0.5~	800	800	6,000	:

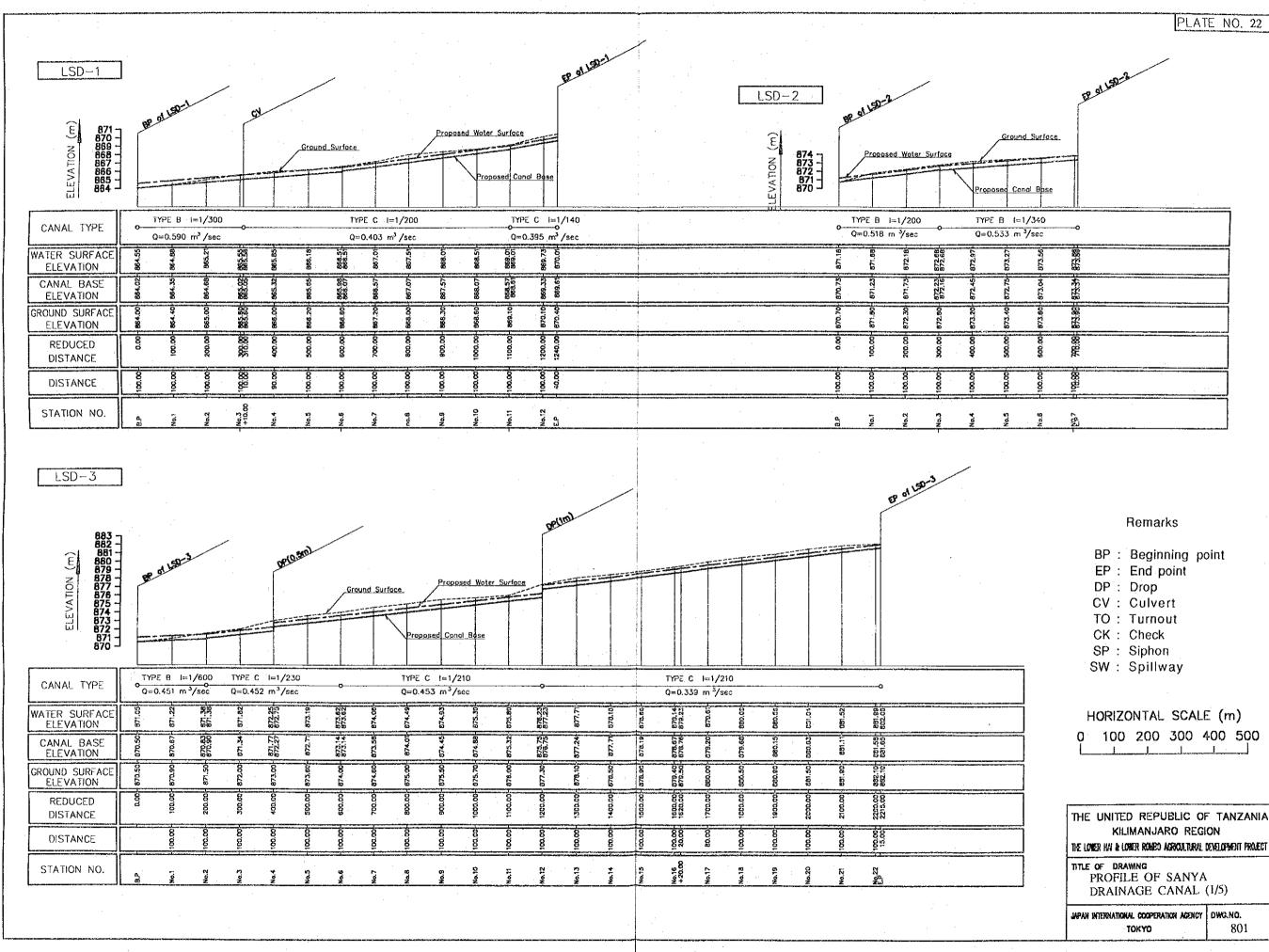
DIMENSION OF DROP

	1					UNIT:mm	
TYPE	Q (m3/sec)	Hi	H2	D	L .	B1	B2
A1	3.00	500	1,500	400	6,000	4,000	1,000
A2	3.00	1,000	1,500	400	7,000	4,000	1,000
B1	0.7~0.4	500	1,000	400	3,000	2,500	500
B2	0.7~0.4	1,000	1,000	400	4,000	2,500	500
B3	0.4~	500	800	300	3,000	2,000	300
B4	0.4~	1,000	800	300	4,000	2,000	300









THE UNITED REPUBLIC OF KILIMANJARO REGI THE LOTTER HAI & LOTTER ROMED AGROUTTRAL	ÓN
THE EVILLY INT IS CONST. MORENO PROVOCIONAL	
TITLE OF DRAWING PROFILE OF SANYA DRAINAGE CANAL	
Japan International Cooperation Agency Tokyo	dwg.no. 801

LSD-4									·								102-1					l l		E NO. 23
	5		/	·				DS.	10.500 0	10.5m)				· · · · · · · · · · · · · · · · · · ·		0210.50	EP of LEDCA							
(U) NOLLAVIA	BP 91 SH		•	· ·							oposed W		foce	Ground	Surface									• •
A BB5 - BB5										Pre	posed Car	nel Bose	<u></u>			· .				 				
ANAL TYPE	o	TYPE Q≔0.7	A l≕1/10 98 m <sup>3</sup> /se	100 Ic				YPE B   =0.737 r			0		TYPE Q=0.4	C l=1, 73 m²,	/230 /sec		0							
ER SURFACE	885.09 885.09 885.10	885.30 885.30	645.40	885.50	885.56 885.60	885.70 885.70	366.00	896.41 886.91	867.27 887.77	868.13	14 19 19 19 19 19 19 19 19 19 19 19 19 19	836.94	889.37	12.602.	890.24 890.24		20.12 20.12							
ANAL BASE	2 224,20 20 824,35 20 824,35	2 224.45 224.55	B84.55	)H 884.75	884.82	884.95 885.12	)   BB5.48	685.63	0-387.19	887.55	0 887.88 886.97	34 688.45	838.86	27. e00	0H 859.75		й С 8 0		······					
UND SURFACE	0- 885.00 885.30 965.30	885.50 885.50	865.50	3- 865.50	0-  845.60 3-  885.70	9 885.90	31 886.40	3- 867.00	21- 887.90	2- 836.20	0- 556.70 556.90	0 809.10	00.068	0.062	0-80.80					 				
REDUCED DISTANCE	0.00 0.00 00.00	200.00	400.00	\$00.0¢	292.00 600.00	200 Q	830.0	800.00	1000,00	1100.0	1180.00	1300.0	1400.0	0.0061	160.0		0.000 1700 1			 				
DISTANCE	0.50 88.50 10.00	H 100.00 	100,00	100.00	65.00 35.00	100.00	100.00	100.00	100.00	100.00	30.00 20.00	100.00	100.00	100.001	100.00		8							
TATION NO.	a: + 00:05 00:06 00:05	No.2 No.5	No.4	No.5	+65.00 No.6	No.7	No.8	8.oN	No.10	NC.11	+:50.00 Ne.12	No.13	Na.14	No.15	No.16		م. الم			 . <u></u>	<u>.   .                                </u>	·	-	
									·									·				Remarks		
																					·	BP : Beginni EP : End pol DP : Drop CV : Culvert TO : Turnou CK : Check SP : Siphon	nt t	int
ANAL TYPE							-													 		SW : Spillwa	. <b>y</b>	
ER SURFACE																						HORIZONTAL 3 0 100 200 3		
NAL BASE LEVATION																				 			1	
IND SURFACE																	·		······································					
REDUCED											•											THE UNITED REPUB		
ISTANCE															- <u> </u>							KILIMANJARO THE LONER HW & LONER ROMBO AGR		
ATION NO.																			: : :			TITLE OF DRAWING PROFILE OF	SANY	A (2)(5)
CURVE										na alaman dalam kerili keli									-			DRAINAGE C Japan Ritegnational cooperation tokyo		

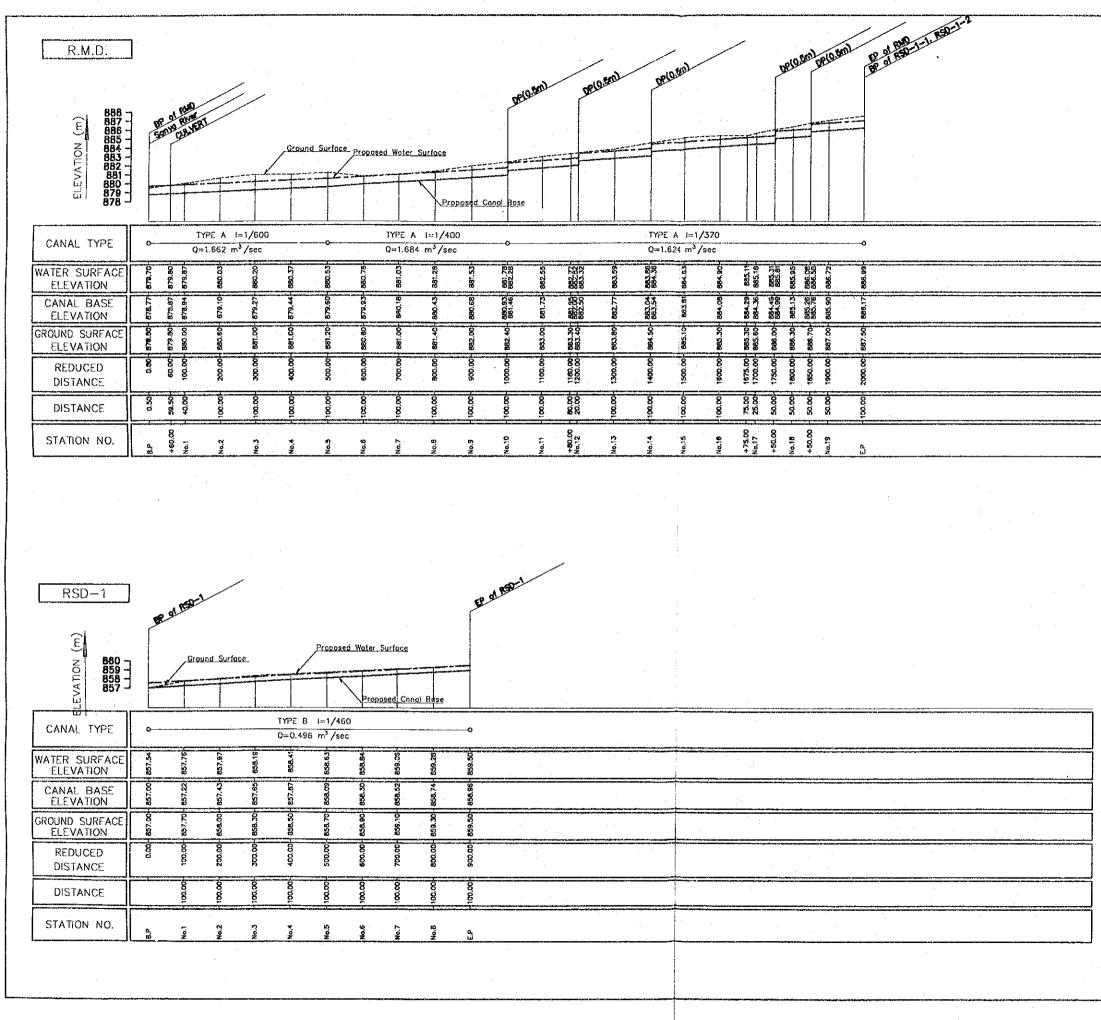
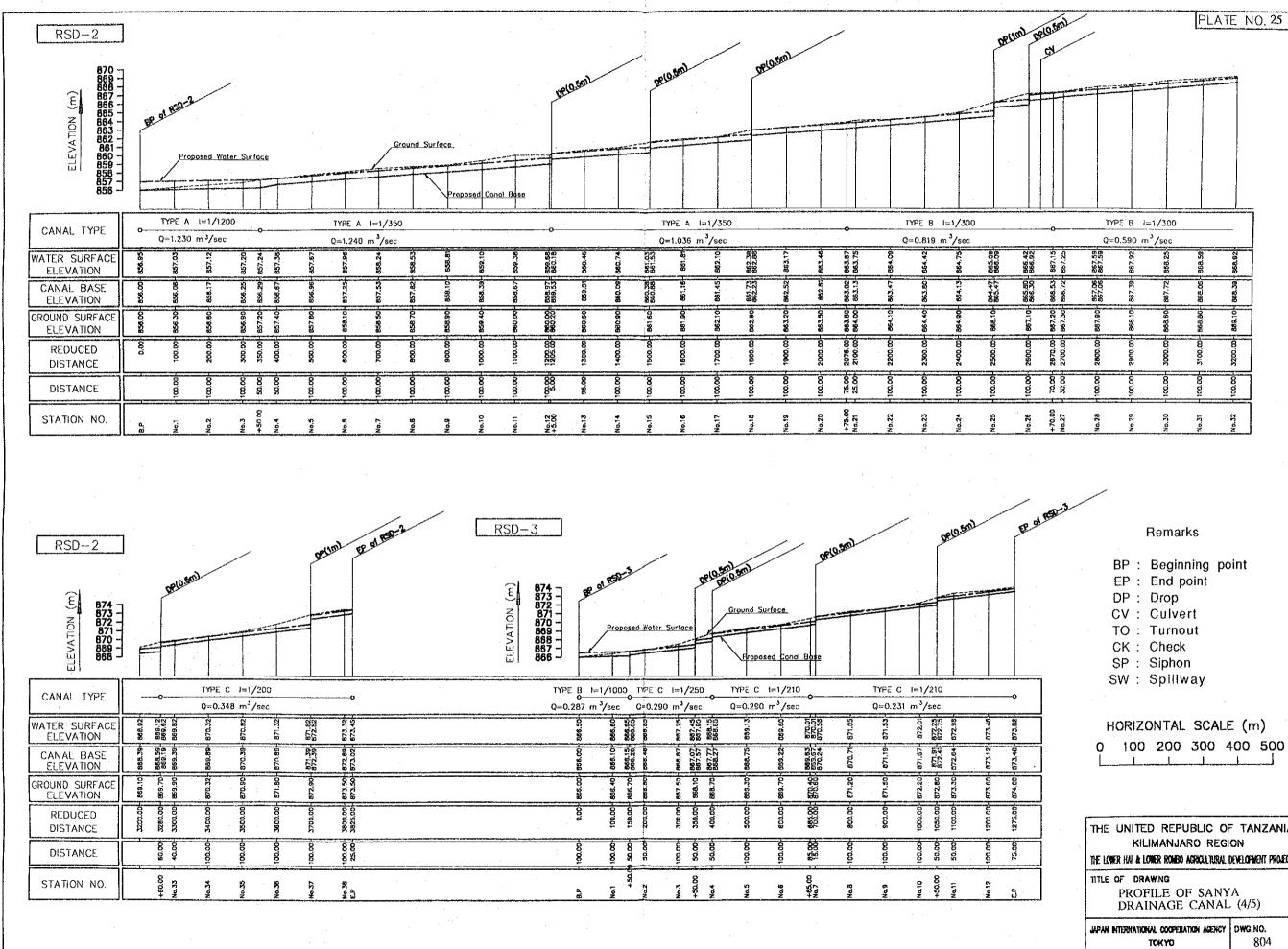


PLATE NO. 24
Remarks
BP : Beginning point EP : End point
DP: Drop CV: Culvert
TO : Turnout CK : Check
SP : Siphon SW : Spillway
HORIZONTAL SCALE (m) 0 100 200 300 400 500
THE UNITED REPUBLIC OF TANZANIA KILIMANJARO REGION
THE LOWER HAI & LOWER ROMBO ASSOULTURAL DEVELOPMENT PROJECT
HILE OF DRAWING PROFILE OF SANYA DRAINAGE CANAL (3/5)
JAPAN INTERNATIONAL COOPERATION ASENCY DWG.NO.
токуо 803



		Beginning End point	point
		Drop	
сv	:	Culvert	
ΤO		Turnout	

THE UNITED REPUBLIC OF						
THE LONER HALLA LONER ROMBO AGROULTURAL I	DEVELOPMENT PROJECT					
11TLE OF DRAWING						
PROFILE OF SANY	Ά					
DRAINAGE CANAL (4/5)						
JAPAN INTERNATIONAL COOPERATION AGENCY	DWG.NO.					
TOKYO	804					

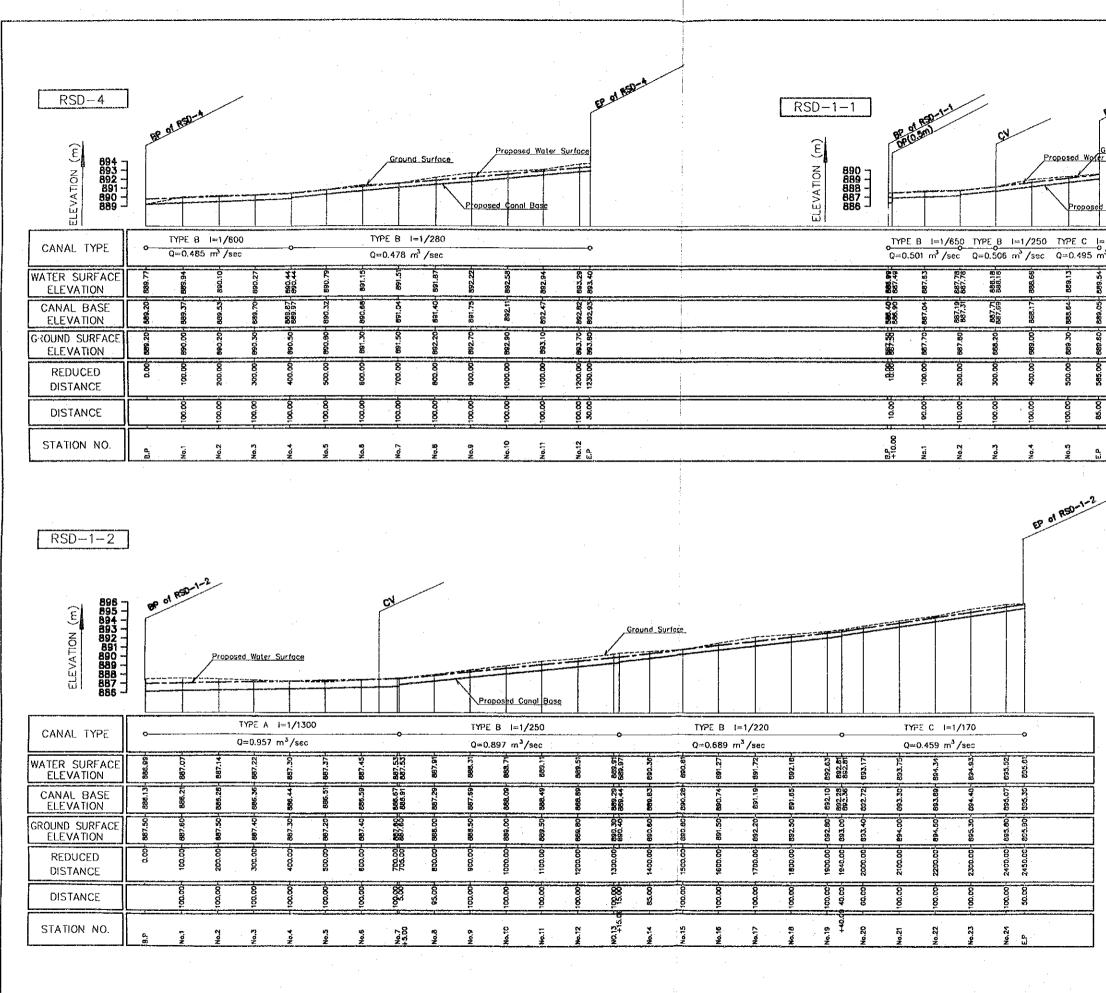
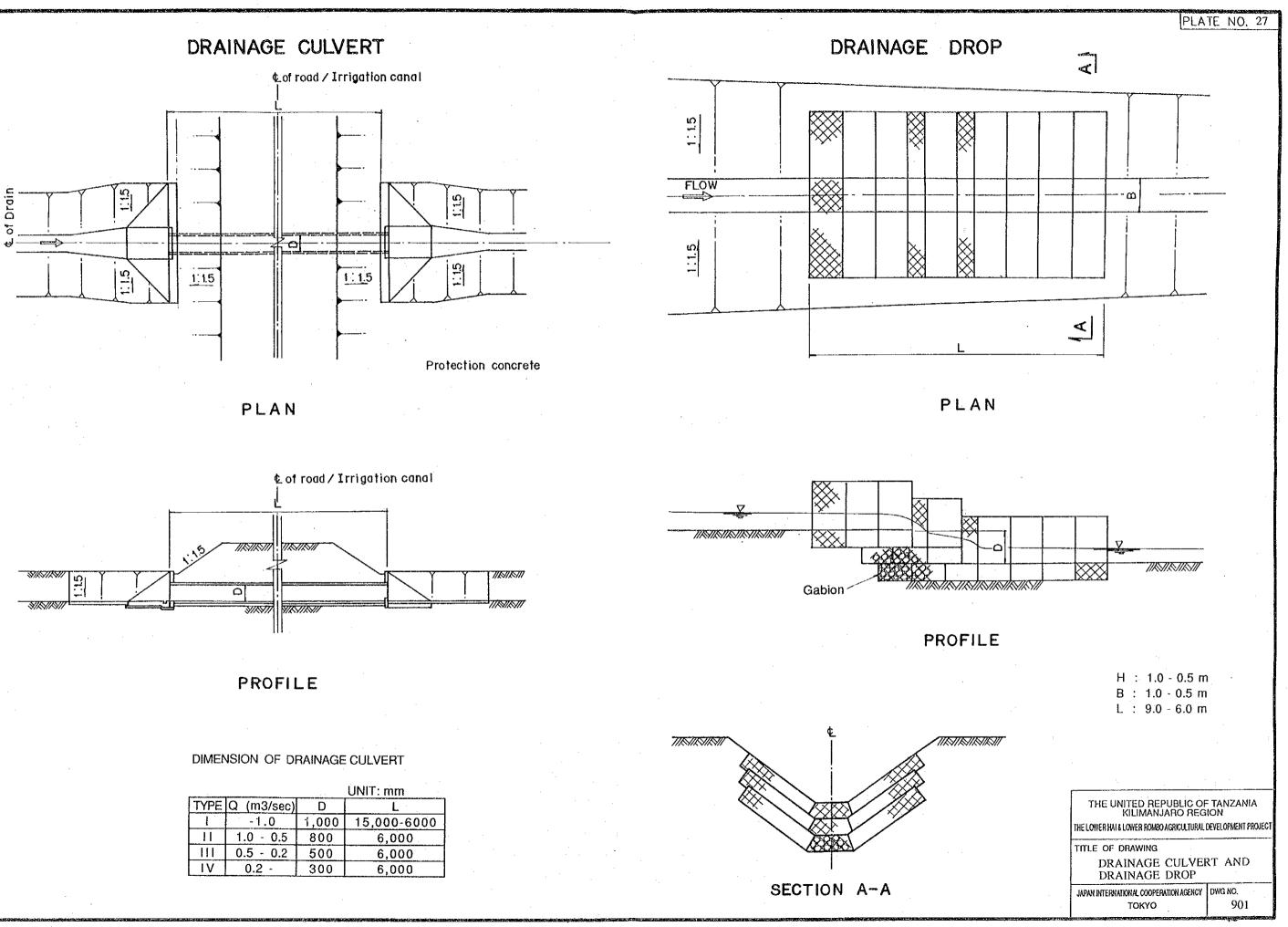


	PLATE NO. 26
	L'UNIL NO. 20
/	
EP al MATTIN	
E of his	
Ground Surface. er Surface	
di Canal Bass	
ed Canal Base	······
l≃1/210 0 m³/sec	
245-00- 245-00	
- 	
82 Q	
9 9 9	
8	
8 8	
۵ <u>.</u> این	
Remark	s
rondin	
BP : Beginni	ing point
EP : End po	int
DP:Drop CV:Culvert	t
TO : Turnou	
CK : Check	
SP : Siphon	
SW : Spillwa	iy .
HORIZONTAL	SCALE (m)

				•	
0	100	200	300	400	500
L				<u> </u>	]

THE UNITED REPUBLIC OF KILIMANJARO REGI THE LOWER HAV & LOWER ROMEO AGRICULTURAL	ON
TITLE OF DRAWING PROFILE OF SAN DRAINAGE CANA	
JAPAN INTERNATIONAL COOPERATION AGENCY TOK YO	<b>dwg.no.</b> 805



			UNIT: mm
TYPE	Q (m3/sec)	D	L
ł	-1.0	1,000	15,000-6000
11	1.0 - 0.5	800	6,000
	0.5 - 0.2	500	6,000
IV	0.2 -	300	6,000

