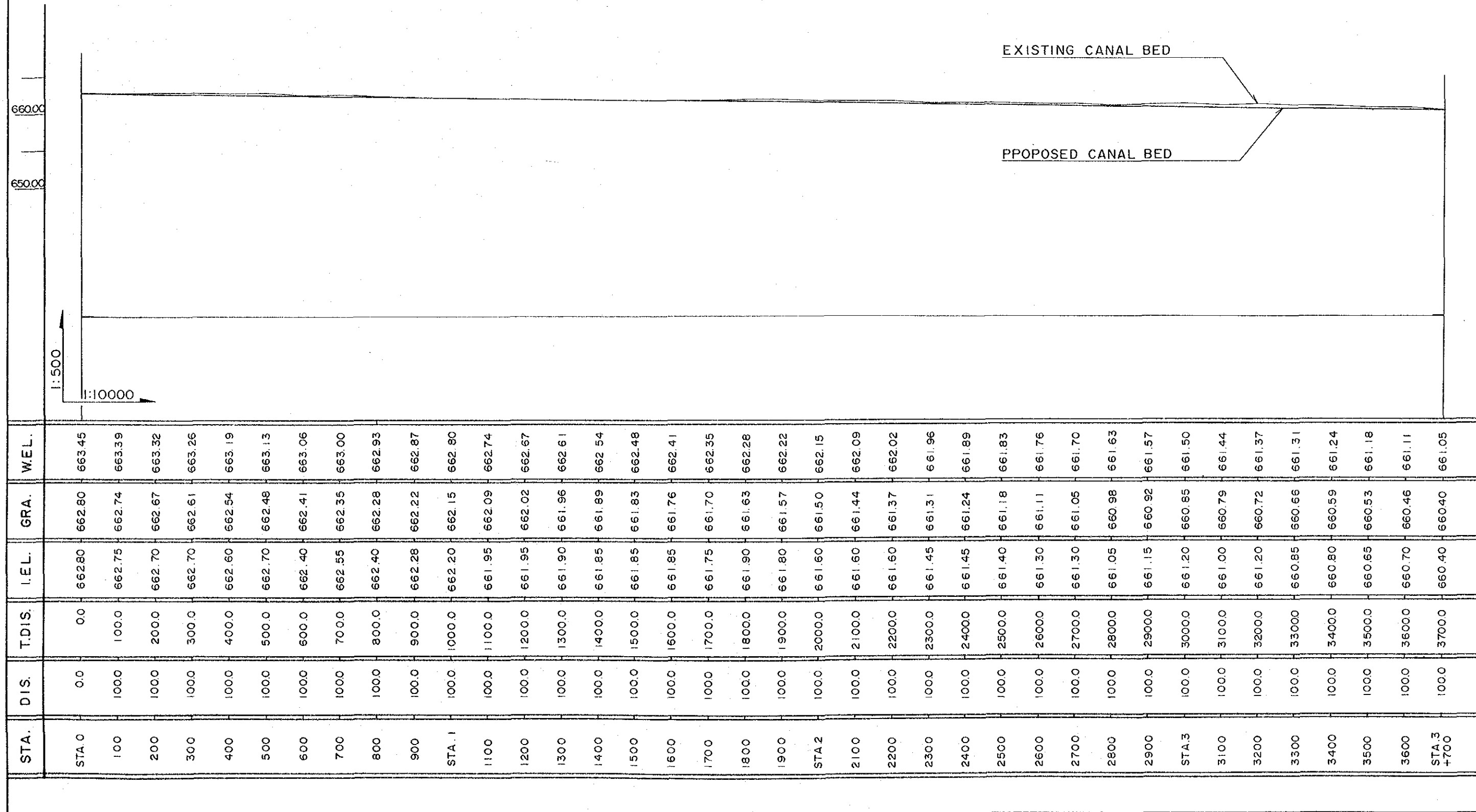


LONGITUDINAL PROFILE OF MAIN CANAL SECTOR I: 6.11^{km} (1/2)

LEGEND
TO: TURN
DP: DROP
CH: CHEC



BRICK LIN

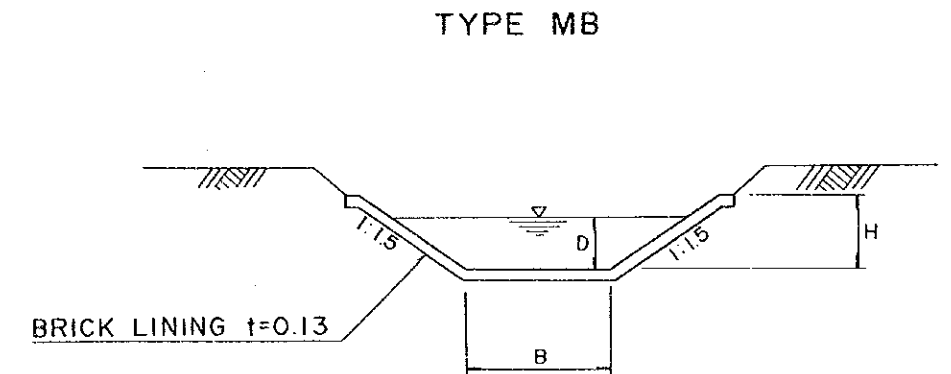
LONGITUDINAL PROFILE OF MAIN CANAL

SECTOR I: 6.11^{km} (1/2)

LEGEND
 TO : TURNOUT
 DP : DROP
 CH : CHECK

EXISTING CANAL BED

PROPOSED CANAL BED



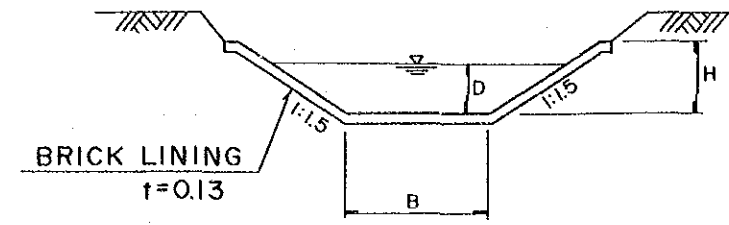
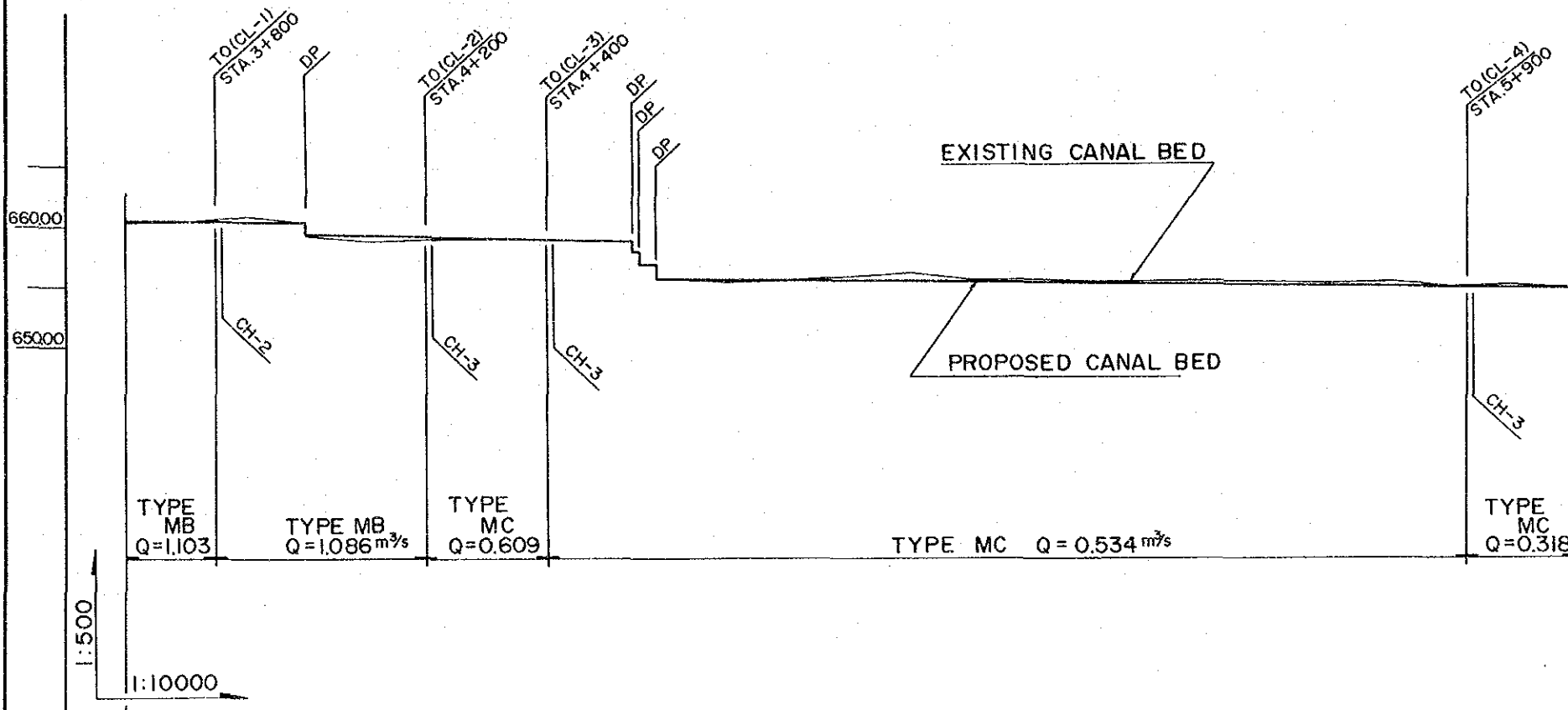
Q=1.103^{m³/s}
 B=2.00^m
 H=1.00^m
 D=0.65^m
 V=0.58^{m/s}
 I=1/1600

900	100.0	900.0	662.28	662.22	662.87
STA. 1	100.0	1000.0	662.20	662.15	662.80
1100	100.0	1100.0	661.95	662.09	662.74
1200	100.0	1200.0	661.95	662.02	662.67
1300	100.0	1300.0	661.90	661.96	662.61
1400	100.0	1400.0	661.85	661.89	662.54
1500	100.0	1500.0	661.85	661.83	662.48
1600	100.0	1600.0	661.85	661.76	662.41
1700	1000	1700.0	661.75	661.70	662.35
1800	1000	1800.0	661.90	661.63	662.28
1900	1000	1900.0	661.80	661.57	662.22
STA. 2	1000	2000.0	661.60	661.50	662.15
2100	1000	2100.0	661.60	661.44	662.09
2200	1000	2200.0	661.60	661.37	662.02
2300	1000	2300.0	661.45	661.31	661.96
2400	1000	2400.0	661.45	661.24	661.89
2500	1000	2500.0	661.40	661.18	661.83
2600	1000	2600.0	661.30	661.11	661.76
2700	1000	2700.0	661.30	661.05	661.70
2800	1000	2800.0	661.05	660.98	661.63
2900	1000	2900.0	661.15	660.92	661.57
STA. 3	100.0	3000.0	661.20	660.85	661.50
3100	1000	3100.0	661.00	660.79	661.44
3200	1000	3200.0	661.20	660.72	661.37
3300	1000	3300.0	660.85	660.66	661.31
3400	1000	3400.0	660.80	660.59	661.24
3500	1000	3500.0	660.65	660.53	661.18
3600	1000	3600.0	660.70	660.46	661.11
STA. 3 +700	100.0	3700.0	660.40	660.40	661.05

THE REPUBLIC OF HONDURAS			
MINISTRY OF NATURAL RESOURCES			
GENERAL DIRECTORATE OF WATER RESOURCES			
THE FEASIBILITY STUDY ON REHABILITATION OF COYLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.			
LONGITUDINAL PROFILE OF MAIN CANAL SECTOR I: 6.11 ^{km} (1/2)			
DATE	OCT. 1990	DWG	J.2- 1
JAPAN INTERNATIONAL COOPERATION AGENCY			

LONGITUDINAL PROFILE OF MAIN CANAL SECTOR I : 6.11^{km} (2/2)

LEGEND
TO : TURNOUT
DP : DROP
CH : CHECK



CANAL ELEMENTS

CANAL TYPE	Q m³/s	B m	H m	D m	V m/s	I
MB	1.103	2.00	1.00	0.65	0.58	1/1600
MB	1.086	2.00	1.00	0.75	0.64	1/1350
MC	0.609	1.20	0.90	0.56	0.55	1/1350
MC	0.534	1.20	0.90	0.54	0.49	1/1600
MC	0.318	1.20	0.90	0.42	0.43	1/1600

STA.	DIS.	T.DIS.	I.EL.	GRA.	W.E.L.
STA.3 +700	100.0	37000.0	660.40	660.40	661.05
3800	100.0	38000.0	660.30	660.34	660.99
3900	100.0	39000.0	660.60	660.27	661.92
STA.4	100.0	40000.0	660.20	660.20	660.95
4100	100.0	41000.0	659.10	659.10	659.75
4200	100.0	42000.0	658.80	659.03	659.68
4300	100.0	43000.0	658.80	658.95	659.60
4400	100.0	44000.0	658.90	658.88	659.53
4540	120.0	44000.0	658.75	658.80	659.45
4550	140.0	45400.0	659.70	659.35	659.35
4580	10.0	45500.0	657.70	658.35	658.35
	30.0	45800.0	657.65	657.65	657.65
			656.65	656.65	656.65
			655.65	655.65	655.65
4700	100.0	47000.0	655.30	655.58	656.23
4800	100.0	48000.0	655.50	655.51	656.16
4900	100.0	49000.0	655.60	656.45	656.10
STA.5	100.0	50000.0	655.90	655.39	656.04
5100	100.0	51000.0	655.40	655.33	655.98
5200	100.0	52000.0	655.30	655.27	655.92
5300	100.0	53000.0	655.30	655.20	655.85
5400	100.0	54000.0	655.20	655.14	655.79
5500	100.0	55000.0	655.25	655.08	655.73
5600	100.0	56000.0	655.15	655.02	655.67
5700	100.0	57000.0	655.05	654.95	655.60
5800	100.0	58000.0	655.25	654.89	655.54
5900	100.0	59000.0	654.80	654.83	655.48
6000	100.0	60000.0	655.00	654.77	655.42
6110	110.0	61100.0	654.70	654.70	655.35

THE REPUBLIC OF HONDURAS
MINISTRY OF NATURAL RESOURCES
GENERAL DIRECTORATE OF WATER RESOURCES.

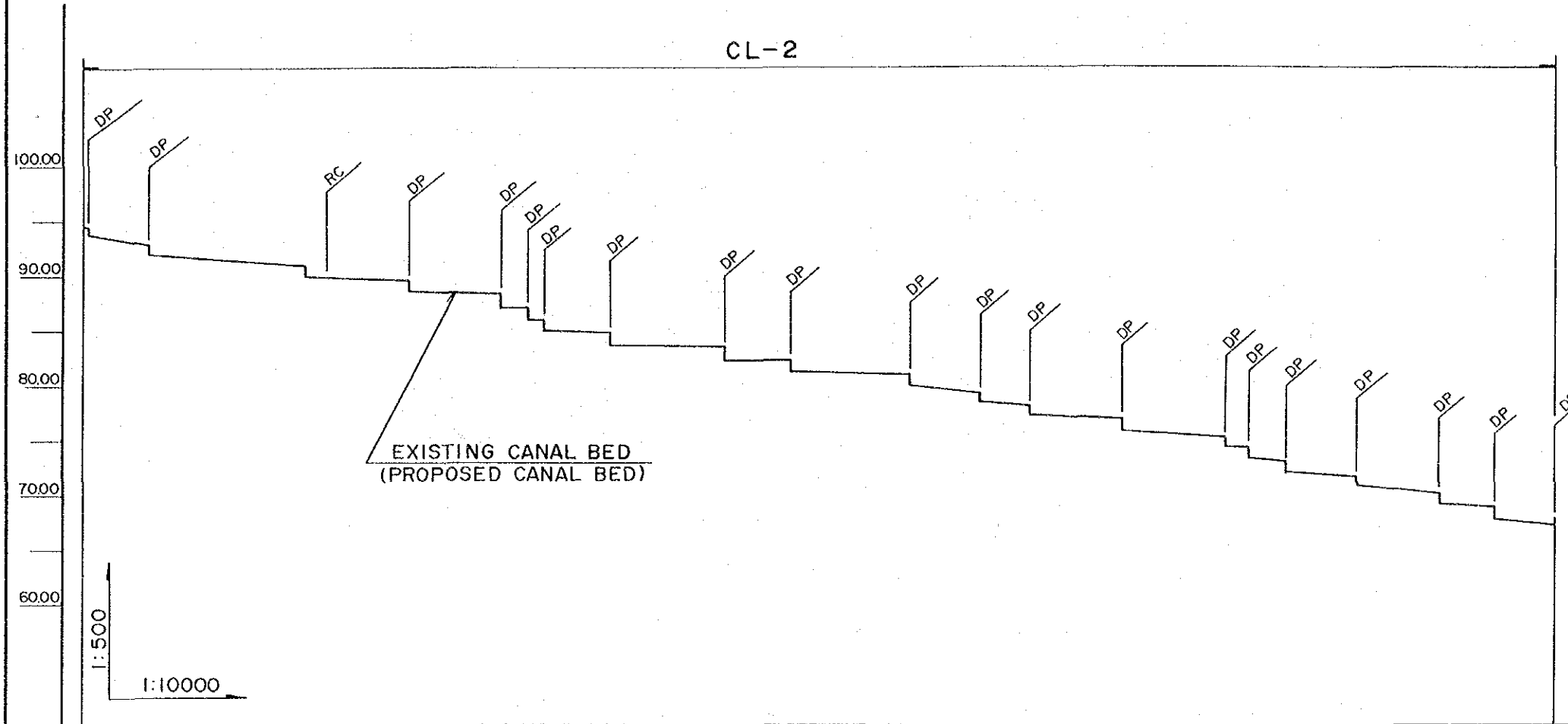
THE FEASIBILITY STUDY ON REHABILITATION OF
COYOLAR DAM AND IRRIGATION IMPROVEMENT
PROJECT IN COMAYAGUA VALLEY.

LONGITUDINAL PROFILE OF MAIN CANAL
SECTOR I : 6.11^{km} (2/2)

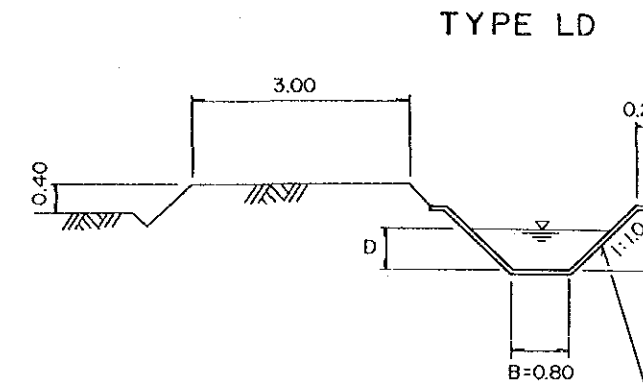
DATE	OCT. 1990	DWG	J.2- 2
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JAPAN INTERNATIONAL COOPERATION AGENCY

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-2. SECTOR I) 4.87 km



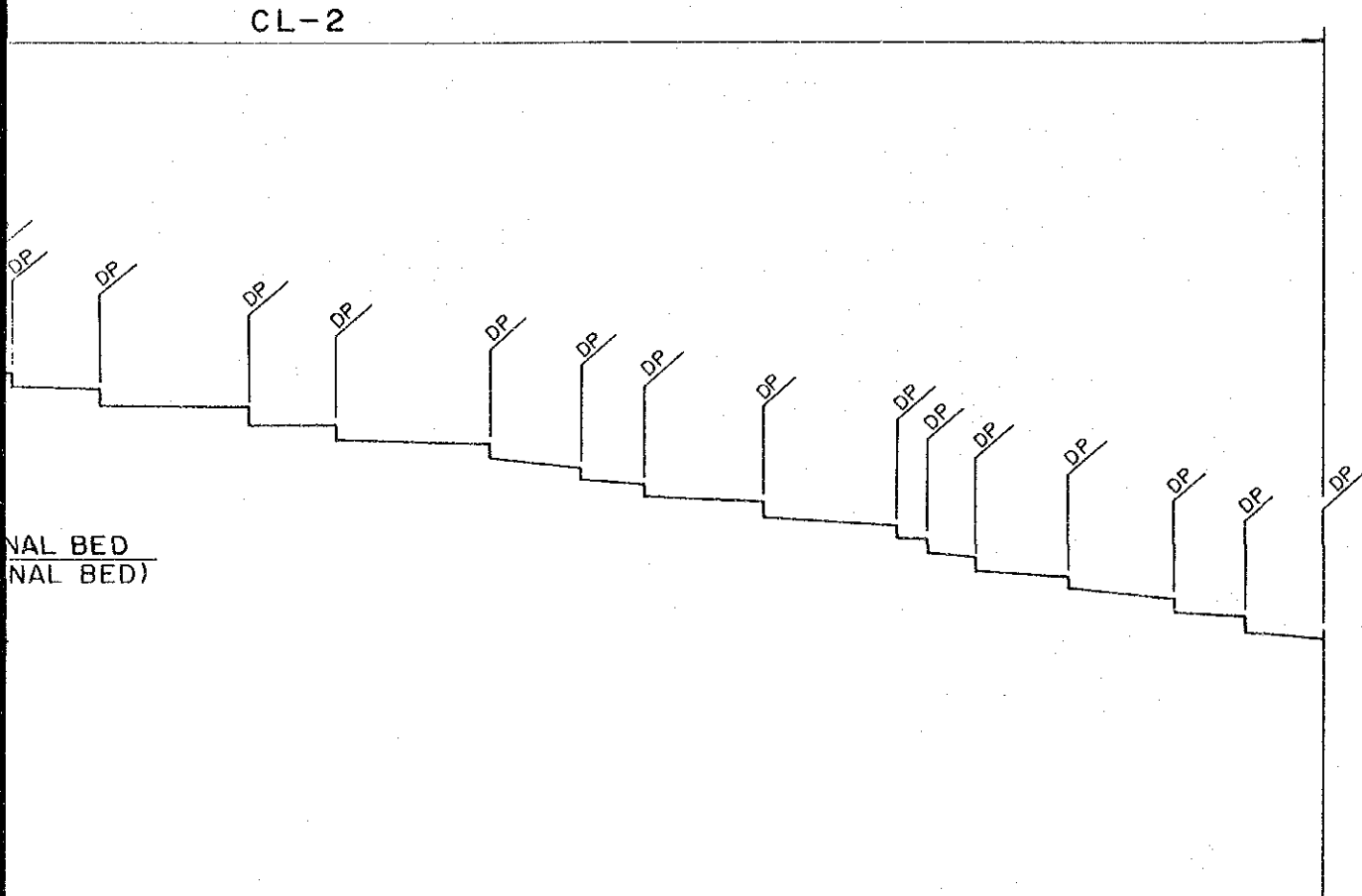
LEGEND
 DP: DROP
 RC: ROAD CROSSING



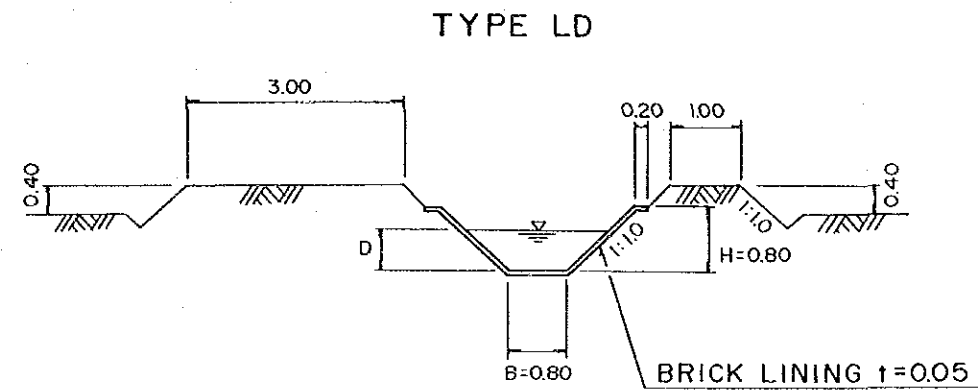
$Q = 0.467 \text{ m}^3/\text{s}$
 $D = 0.45 \text{ m}$
 $V = 0.84 \text{ m/s}$
 $I = 1/400$
 $n = 0.025$

STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	94.70	94.70	95.15
10	10.0	10.0	94.40	94.40	94.85
			93.60	93.60	94.05
120	110.0	120.0	92.80	92.80	93.25
			91.85	91.85	92.30
410	290.0	410.0	91.10	91.10	91.55
			90.10	90.10	90.55
590	180.0	590.0	89.55	89.55	90.00
			88.45	88.45	88.90
770	180.0	770.0	88.11	88.11	88.56
			87.00	87.00	87.45
820	50.0	820.0	85.95	85.95	86.40
850	30.0	850.0	85.30	85.30	85.75
			84.90	84.90	85.35
STA.0 +570 STA.1	120.0	970.0	84.65	84.65	85.10
			83.65	83.65	84.10
1180	210.0	1880.0	83.50	83.50	83.95
			82.10	82.10	82.55
1300	580.0	1300.0	82.25	82.25	82.70
			81.25	81.25	81.70
1520	220.0	1520.0	80.80	80.80	81.25
			79.80	79.80	80.25
1650	130.0	1650.0	79.25	79.25	79.90
			78.40	78.40	78.85
1740	90.0	1740.0	78.15	78.15	78.60
			77.20	77.20	77.65
1910	170.0	1910.0	77.75	77.75	78.20
			75.70	75.70	76.15
STA.2					
2100	190.0	2100.0	75.20	75.20	75.65
			74.25	74.25	74.70
2140	40.0	2140.0	74.20	74.20	74.55
			73.15	73.15	73.60
2210	70.0	2210.0	72.95	72.95	73.40
			71.95	71.95	72.40
2340	130.0	2340.0	71.60	71.60	72.05
			70.60	70.60	71.05
2490	150.0	2490.0	70.10	70.10	70.55
			69.10	69.10	69.55
2590	100.0	2590.0	68.80	68.80	69.25
			67.85	67.85	68.50
2690 STA.2 +700	100.0	2690.0	67.10	67.10	67.55
			66.10	66.10	66.55

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-2. SECTOR I) 4.87 km



LEGEND
 DP : DROP
 RC : ROAD CROSSING



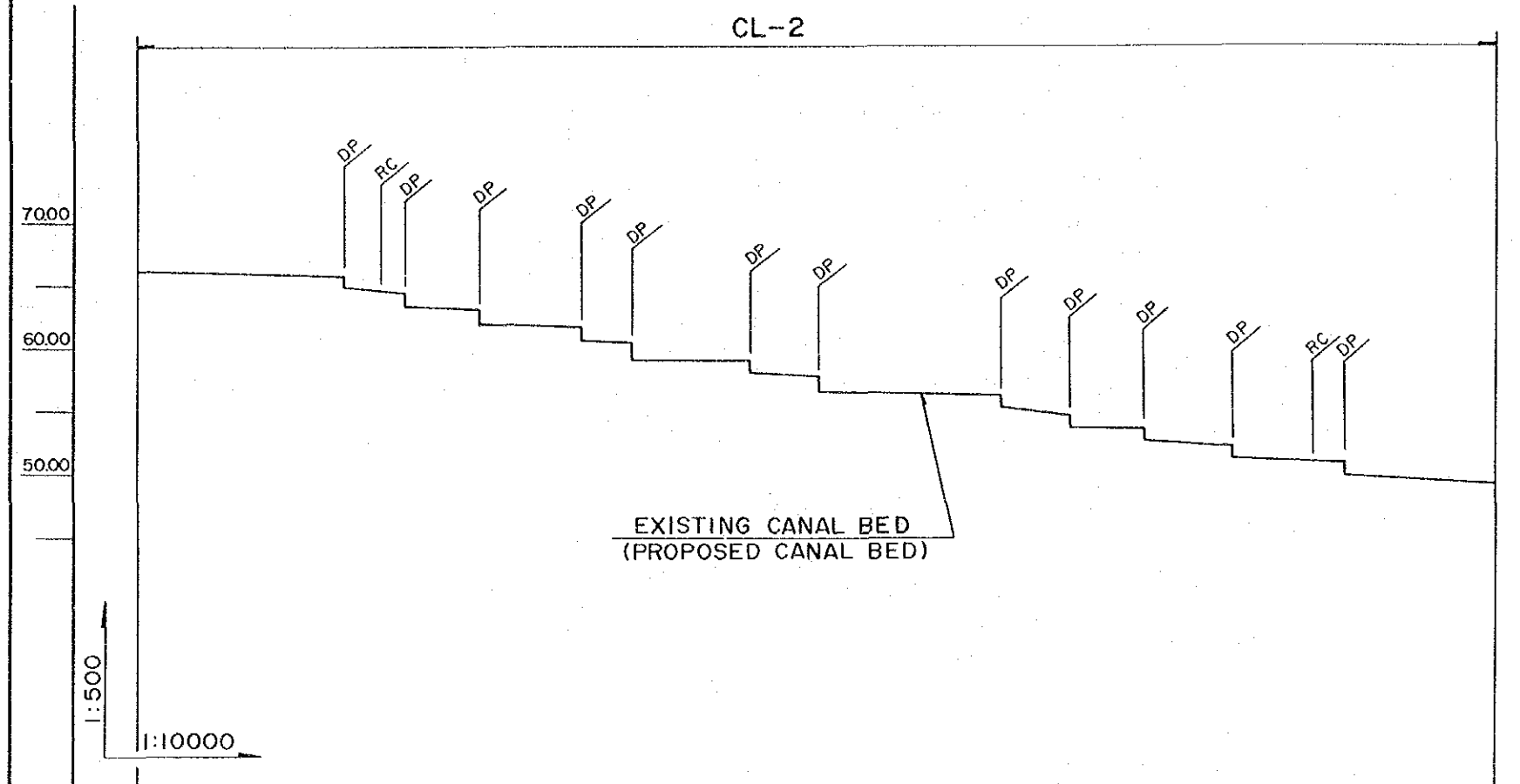
Q = 0.467 m³/s
 D = 0.45 m
 V = 0.84 m/s
 I = 1/400
 n = 0.025

85.35	85.10	83.95	82.70	81.25	79.90	78.60	75.65	72.05	70.55	69.25	67.55			
85.35	85.10	83.95	82.70	81.25	79.90	78.60	75.65	72.05	70.55	69.25	67.55			
85.30	84.65	83.50	82.25	80.80	79.45	78.15	75.20	71.60	70.10	68.80	67.10			
84.90	84.65	82.10	81.25	79.80	78.40	77.20	74.25	70.60	69.10	67.85	66.10			
84.90	84.65	83.50	82.25	80.80	79.45	78.15	75.20	71.60	70.10	68.80	67.10			
84.90	84.65	82.10	81.25	79.80	78.40	77.20	74.25	70.60	69.10	67.85	66.10			
850.0	970.0	1880.0	1300.0	1520.0	1650.0	1740.0	2100.0	2340.0	2490.0	2590.0	2690.0			
30.0	120.0	210.0	580.0	220.0	130.0	90.0	190.0	130.0	150.0	100.0	100.0			
950	STA0 +970 STA.1	1180	1300	1520	1650	1740	1910	2100	2140	2210	2340	2490	2590	2690 STA.2 +700

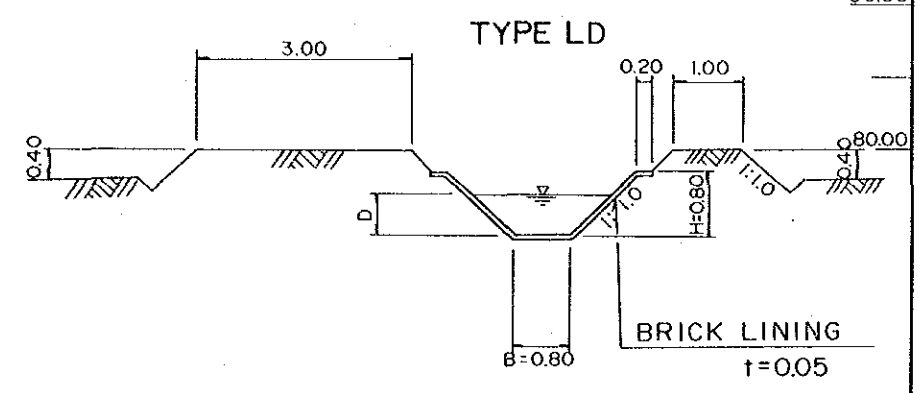
THE REPUBLIC OF HONDURAS MINISTRY OF NATURAL RESOURCES GENERAL DIRECTORATE OF WATER RESOURCES.			
THE FEASIBILITY STUDY ON REHABILITATION OF COYOLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.			
LONGITUDINAL PROFILE OF LATERAL CANAL (CL-2. SECTOR I) 4.87 km			
DATE	OCT. 1990	DWG	J.2- 3
JAPAN INTERNATIONAL COOPERATION AGENCY			

LONGITUDINAL PROFILE OF LATERAL CANAL

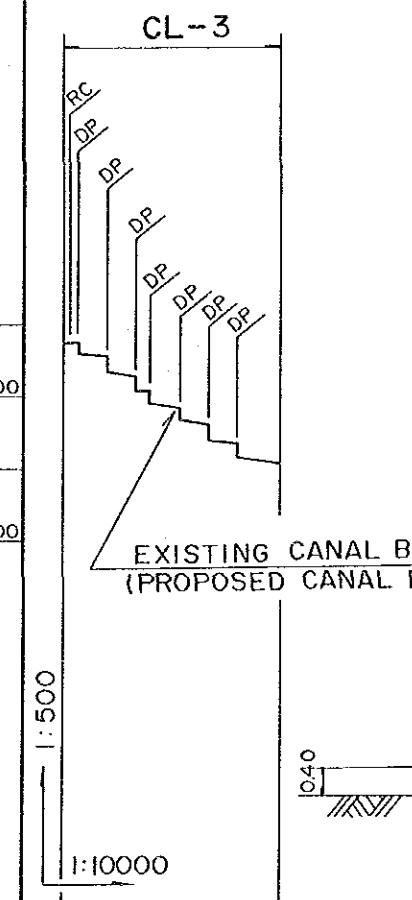
(CL-2. SECTOR I) 4.87 km (2/2)
(CL-3. SECTOR I) 0.30 km



STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.2 +700	330.0	2700.0	67.10 66.10	67.10 66.10	67.55 66.55
STA.3 3030	30.0	3030.0	65.80 64.80	65.80 64.80	66.25 65.25
3230	200.0	3230.0	64.20 63.20	64.20 63.20	64.65 63.65
3350	120.0	3350.0	62.95 61.95	62.95 61.95	63.40 62.40
3510	160.0	3510.0	61.50 60.55	61.50 60.55	61.95 61.00
3590	80.0	3590.0	60.35 58.90	60.35 58.90	60.80 59.35
3780	190.0	3780.0	58.90 57.90	58.90 57.90	59.35 58.35
STA.3 +3890	110.0	3890.0	57.60 56.60	57.60 56.60	58.05 57.05
STA.4 4080	190.0	4080.0	56.10 55.10	56.10 55.10	56.55 55.55
4190	110.0	4190.0	54.60 53.60	54.60 53.60	55.05 54.05
4310	120.0	4310.0	53.50 52.50	53.50 52.50	53.95 53.05
4450	140.0	4450.0	52.10 51.25	52.10 51.25	52.55 51.70
4630	180.0	4630.0	50.70 49.80	50.70 49.80	51.15 50.25
STA.4 +4870	240.0	4870.0	49.15	49.15	49.60

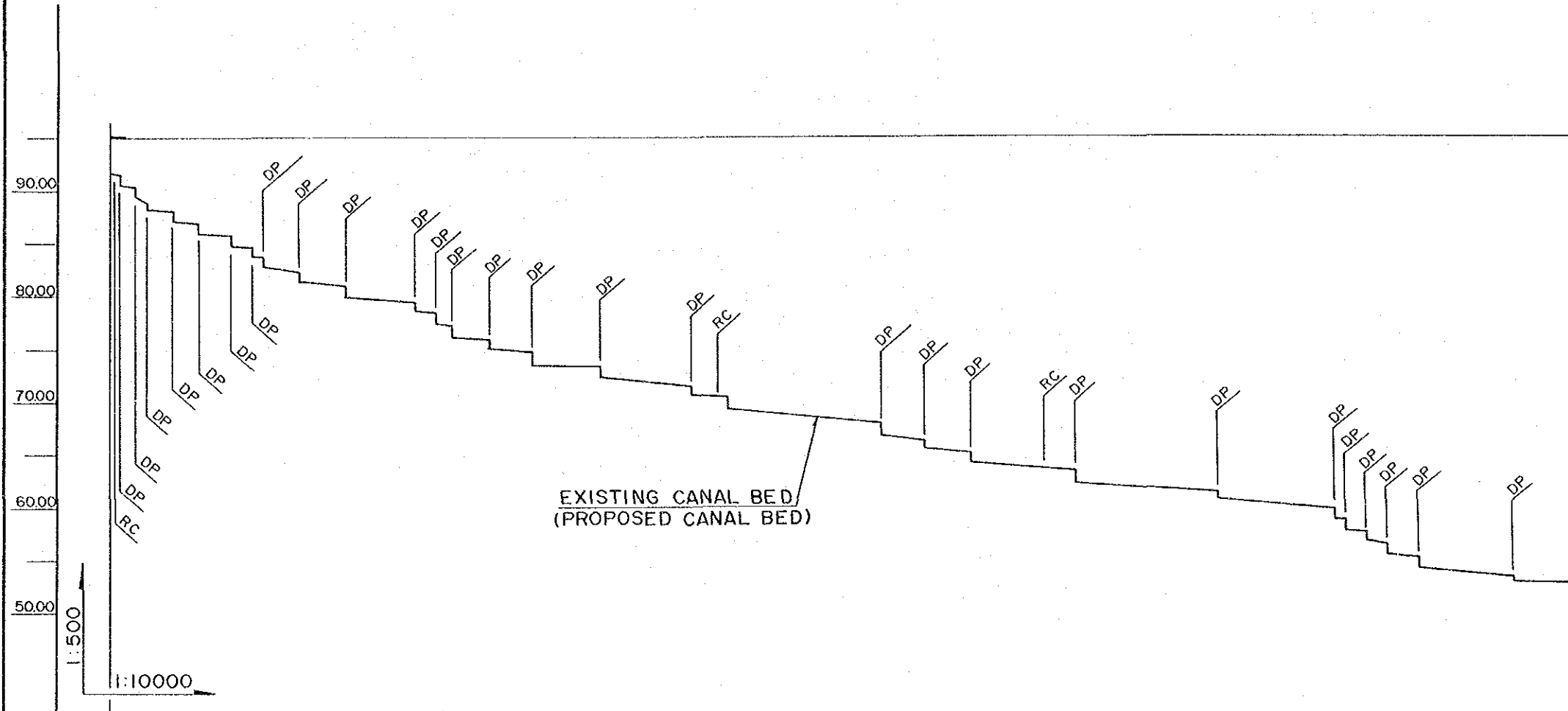


$Q = 0.50 \text{ m}^3/\text{s}$
 $D = 0.47 \text{ m}$
 $V = 0.86 \text{ m/s}$
 $I = 1/400$
 $n = 0.025$

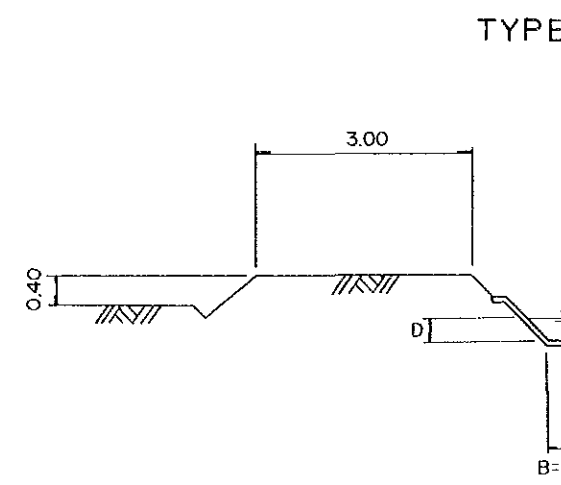


STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	93.60	93.60	93.72
100	100.0	100.0	91.40 90.45	91.40 90.45	91.52 90.57
200	100.0	200.0	87.90 86.90	87.90 86.90	88.02 87.02
STA.0 +300	100.0	300.0	85.40	85.40	85.52

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-4. SECTOR I) 2.80 km



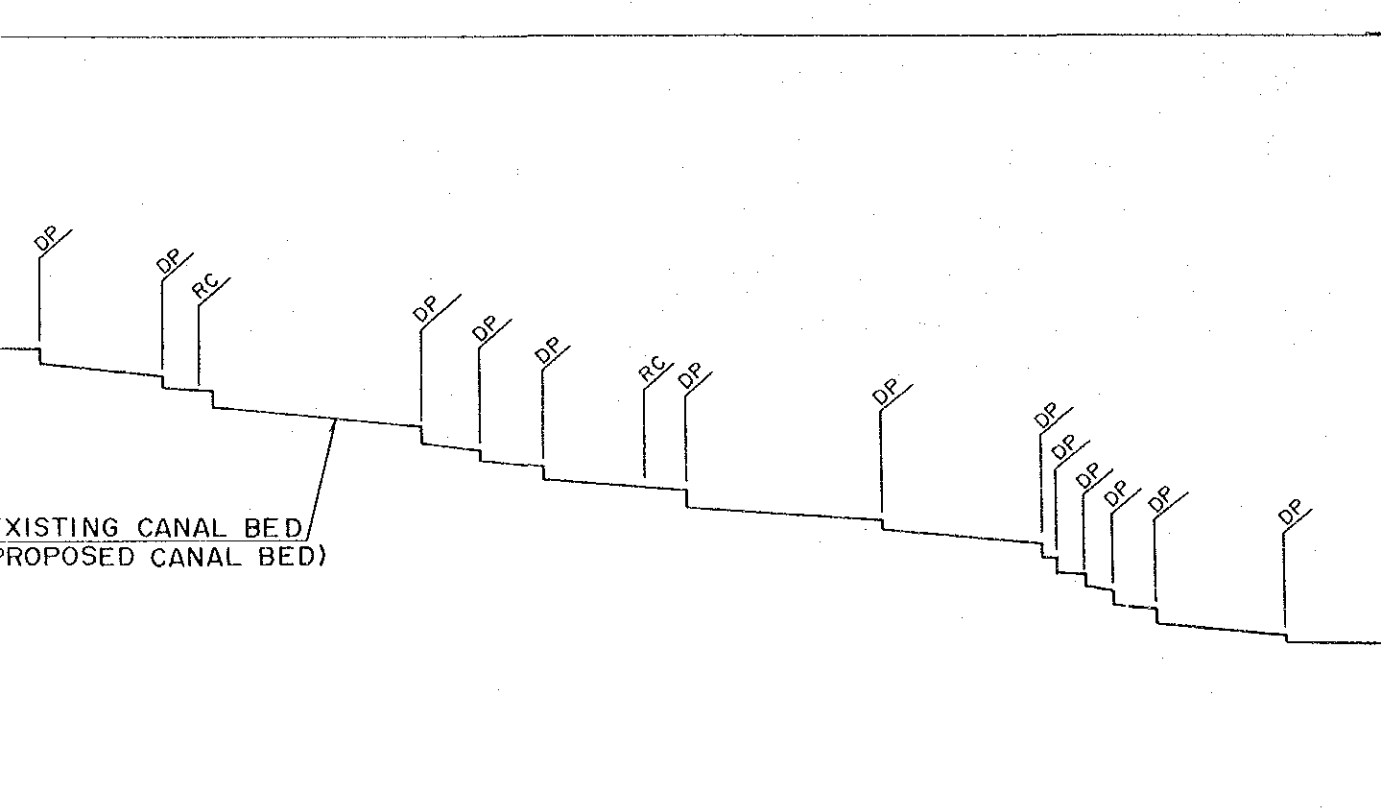
LEGEND
 DP: DROP
 RC: ROAD CROSSING



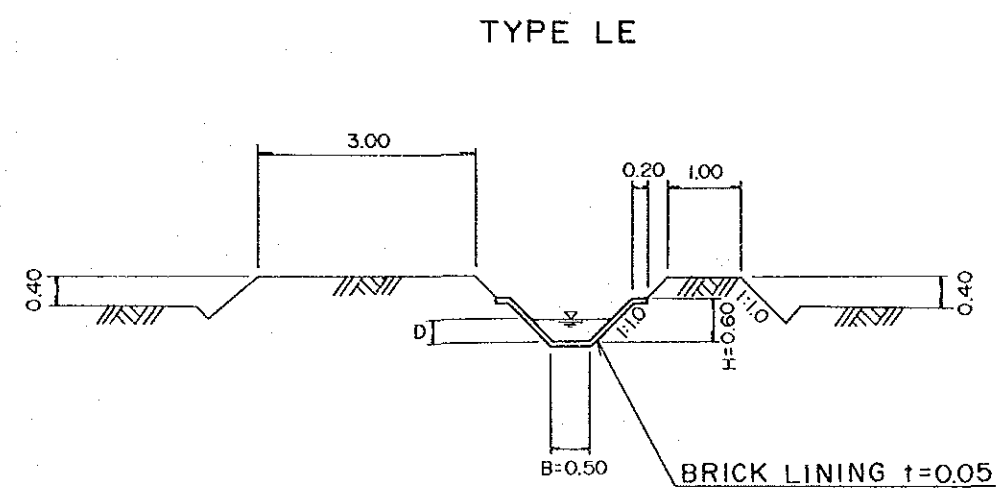
Q = 0.178 m³/s
 D = 0.29 m
 V = 0.79 m/s
 I = 1/250
 n = 0.025

STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0 +20	20.0		91.65	91.65	91.94
70	50.0	70.0	90.50	90.50	90.79
170	100.0	170.0	86.95	86.95	87.24
230	60.0	230.0	85.70	85.70	86.34
290	60.0	290.0	83.60	83.60	84.99
360	70.0	360.0	82.35	82.35	83.89
450	90.0	450.0	81.35	81.35	82.64
580	130.0	580.0	79.35	79.35	81.24
650	70.0	650.0	78.35	78.35	80.24
720	70.0	720.0	77.20	77.20	79.64
790	70.0	790.0	75.95	75.95	78.64
930	140.0	930.0	73.20	73.20	77.20
STA.1					72.49
1100	170.0	1100.0	71.40	71.40	71.69
1170	70.0	1170.0	70.55	70.55	70.64
1460	290.0	1460.0	67.85	67.85	69.14
1540	80.0	1540.0	66.85	66.85	67.14
1630	90.0	1630.0	66.30	66.30	66.59
1830	200.0	1830.0	65.55	65.55	65.84
STA.2					65.20
2100	270.0	2100.0	64.20	64.20	64.49
2320	220.0	2320.0	63.30	63.30	63.59
2420	100.0	2420.0	62.30	62.30	62.59
2480	60.0	2480.0	61.40	61.40	61.69
2660	180.0	2660.0	60.85	60.85	61.14
STA.2 +800	140.0	2800.0	59.85	59.85	60.14
			58.85	58.85	59.14
			56.50	56.50	56.79
			55.50	55.50	55.79
			55.20	55.20	55.49
			54.20	54.20	54.49
			53.45	53.45	53.74
			53.00	53.00	53.29
			52.90	52.90	53.19

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-4. SECTOR I) 2.80 km



LEGEND
DP : DROP
RC : ROAD CROSSING



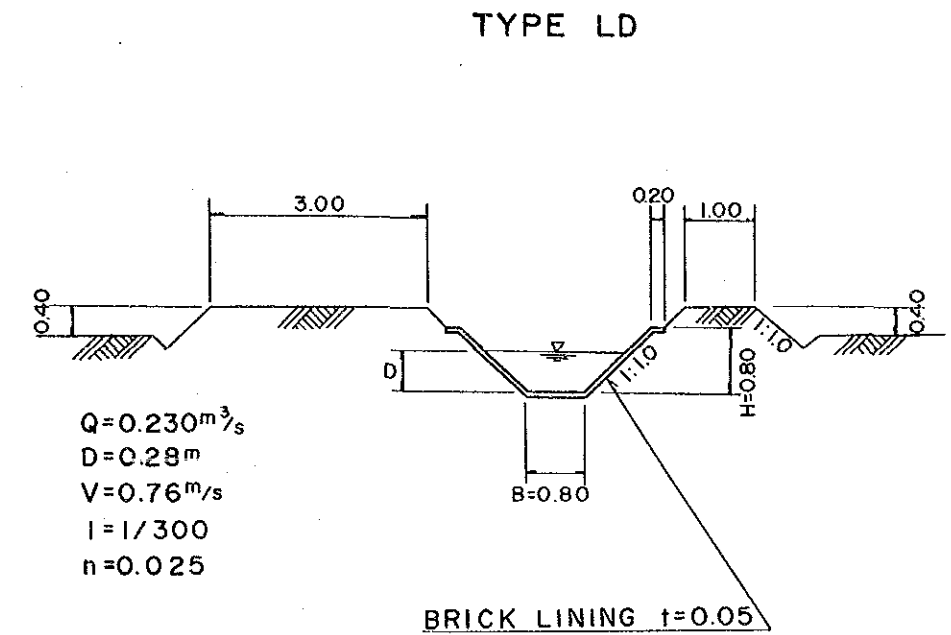
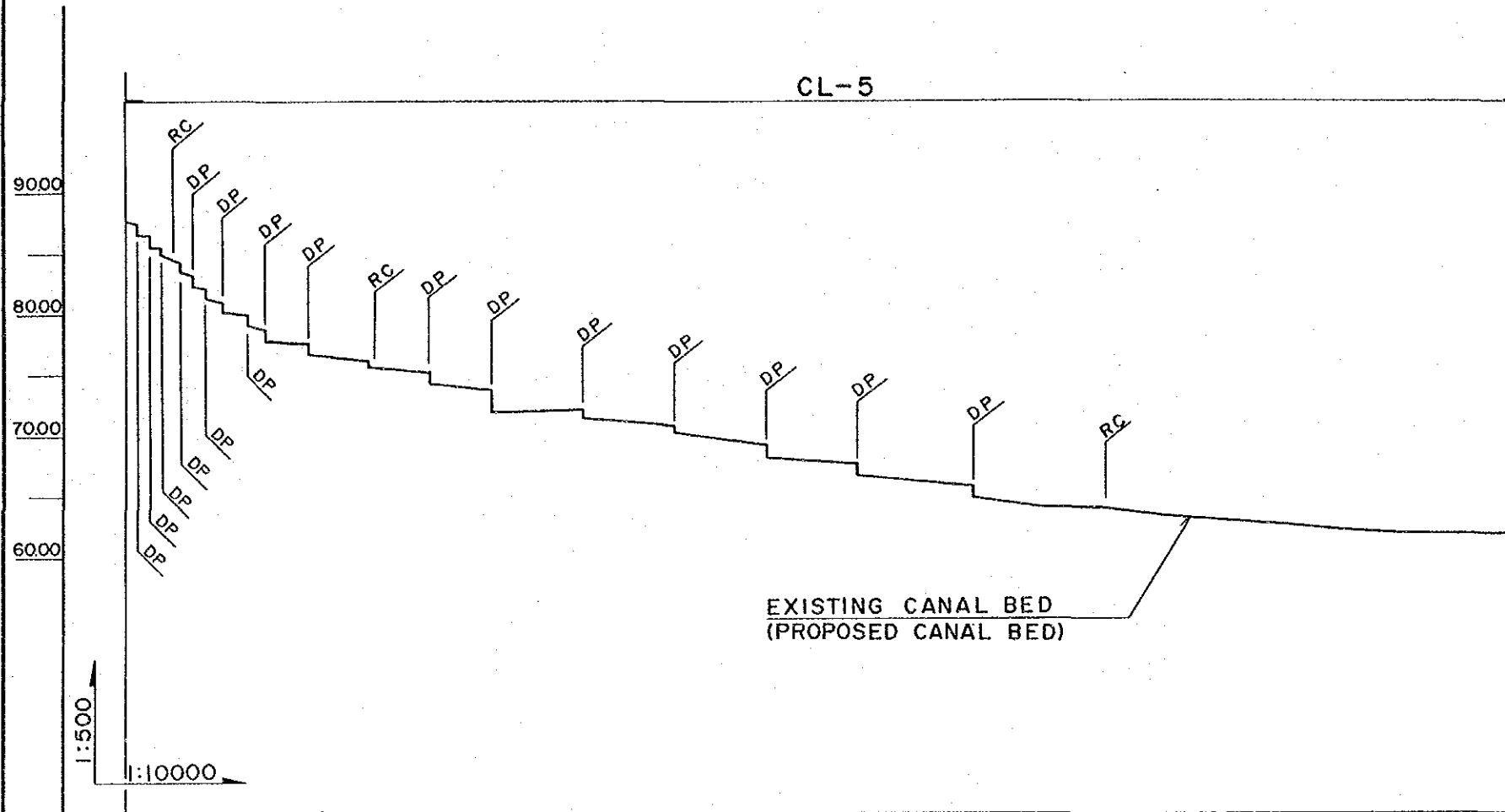
Q = 0.178 m³/s
D = 0.29 m
V = 0.79 m/s
I = 1/250
n = 0.025

73.49	71.69	69.14	63.59	61.69	60.14	56.79	53.74	53.19
72.49	70.84	67.14	62.59	61.14	59.14	56.79	53.29	
73.20	71.40	67.85	63.30	61.40	59.85	56.50	53.45	52.90
72.20	70.55	66.85	62.30	60.85	58.85	55.50	53.00	
73.20	71.40	67.85	63.30	61.40	59.85	56.50	53.45	52.90
72.20	70.55	66.85	62.30	60.85	58.85	55.50	53.00	
930.0	1100.0	1460.0	1830.0	2100.0	2320.0	2420.0	2660.0	2800.0
140.0	170.0	290.0	200.0	270.0	220.0	100.0	180.0	140.0
930	1100	1460	1830	2100	2320	2420	2660	2800
STA.1			STA.2				STA.2	+800

THE REPUBLIC OF HONDURAS			
MINISTRY OF NATURAL RESOURCES			
GENERAL DIRECTORATE OF WATER RESOURCES			
THE FEASIBILITY STUDY ON REHABILITATION OF COYOLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.			
LONGITUDINAL PROFILE OF LATERAL CANAL (CL-4. SECTOR I) 2.80 km			
DATE	OCT. 1990	DWG	J.2- 5
JAPAN INTERNATIONAL COOPERATION AGENCY			

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-5. SECTOR I) 2.29^{km}

LEGEND
DP: DROP
RC: ROAD CROSSING



STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	87.70	87.70	87.98
110	100.0	110.0	83.20 82.25	83.20 82.25	83.48 82.53
240	130.0	240.0	78.75	78.25	78.53
300	60.0	300.0	77.75 77.60 76.55	77.75 77.60 76.50	78.03 77.88 76.78
400	100.0	400.0	76.20 75.60	76.20 75.60	76.48 75.88
500	100.0	500.0	75.30 74.30	75.30 74.30	75.58 74.58
580	80.0	580.0	73.80 72.00	73.80 72.00	74.08 72.28
750	170.0	750.0	72.25 71.45	72.25 71.45	72.53 71.73
900	150.0	900.0	70.90 70.40	70.90 70.40	71.18 70.68
STA.1	100.0	1000.0	69.45	69.45	69.73
1100	100.0	1100.0	69.25 68.20	69.25 68.20	69.53 68.48
1220	120.0	1220.0	67.75 66.80	67.75 66.80	68.03 67.08
1440	220.0	1440.0	65.95 64.98	65.95 64.98	66.23 65.26
1500	60.0	1500.0	64.30	64.30	64.58
1600	100.0	1600.0	64.00	64.00	64.28
1700	100.0	1700.0	63.50	63.50	63.78
1800	100.0	1800.0	63.05	63.05	63.33
1900	100.0	1900.0	62.70	62.70	62.98
STA.2	100.0	2000.0	62.40	62.40	62.68
2100	100.0	2100.0	62.00	62.00	62.28
STA.2 +290	190.0	2290.0	62.00	62.00	62.28

THE REPUBLIC OF HONDURAS
MINISTRY OF NATURAL RESOURCES
GENERAL DIRECTORATE OF WATER
RESOURCES

THE FEASIBILITY STUDY ON REHABILITATION OF
COYOLAR DAM AND IRRIGATION IMPROVEMENT
PROJECT IN COMAYAGUA VALLEY.

LONGITUDINAL PROFILE OF LATERAL CANAL
(CL-5 SECTOR I) 2.29^{km}

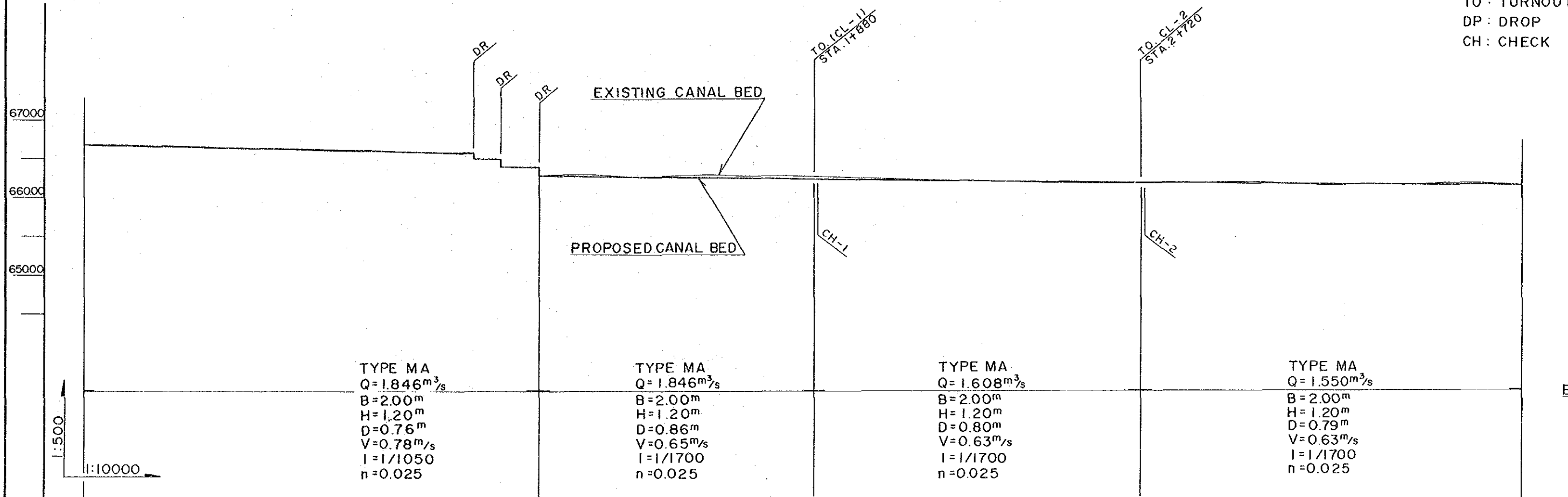
DATE	OCT. 1990	DWG	J.2- 6
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JAPAN INTERNATIONAL COOPERATION AGENCY

LONGITUDINAL PROFILE OF MAIN CANAL

SECTOR II : 6.44^{km} (1/2)

LEGEND
 TO : TURNOUT
 DP : DROP
 CH : CHECK



TYPE MA
 Q=1.846^{m³/s}
 B=2.00^m
 H=1.20^m
 D=0.76^m
 V=0.78^{m/s}
 I=1/1050
 n=0.025

TYPE MA
 Q=1.846^{m³/s}
 B=2.00^m
 H=1.20^m
 D=0.86^m
 V=0.65^{m/s}
 I=1/1700
 n=0.025

TYPE MA
 Q=1.608^{m³/s}
 B=2.00^m
 H=1.20^m
 D=0.80^m
 V=0.63^{m/s}
 I=1/1700
 n=0.025

TYPE MA
 Q=1.550^{m³/s}
 B=2.00^m
 H=1.20^m
 D=0.79^m
 V=0.63^{m/s}
 I=1/1700
 n=0.025

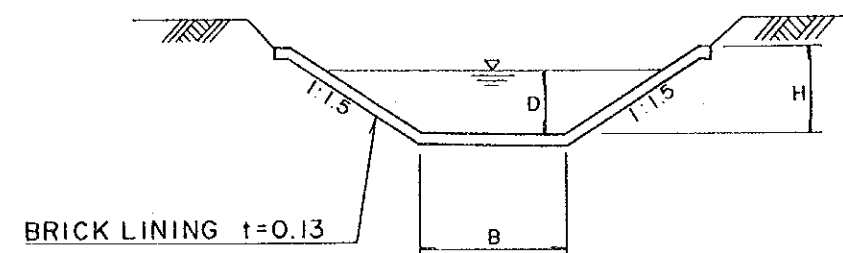
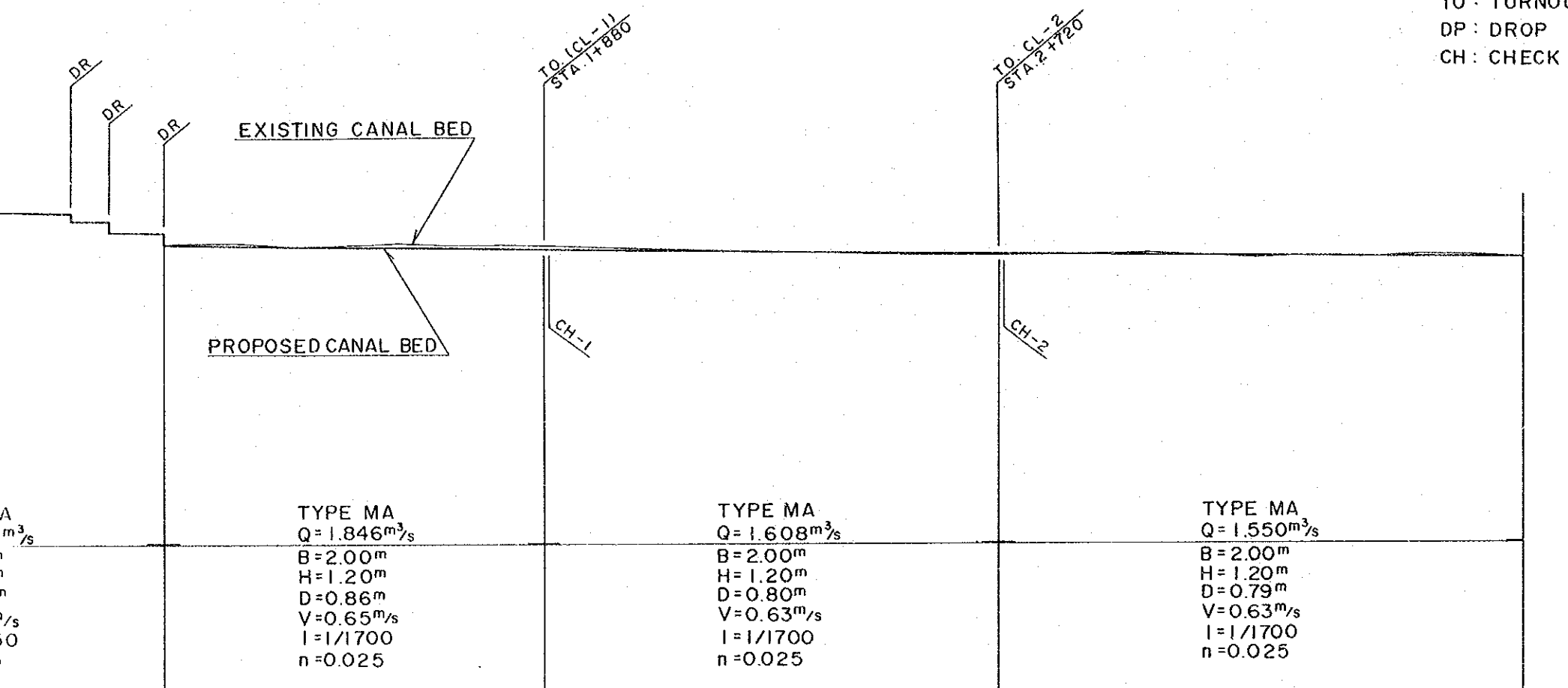
BRICK LII

STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	666.63	666.63	667.39
100	100.0	100.0	666.56	666.53	667.29
200	100.0	200.0	666.53	666.44	667.20
300	100.0	300.0	666.30	666.34	667.10
400	100.0	400.0	666.31	666.25	667.01
500	100.0	500.0	666.20	666.15	666.91
600	100.0	600.0	666.03	666.06	666.82
700	100.0	700.0	665.92	665.96	666.72
800	100.0	800.0	665.70	665.87	666.63
900	100.0	900.0	665.58	665.77	666.53
STA.1	100.0	1000.0	665.68	665.68	666.44
1070	70.0	1070.0	664.80	664.80	665.56
1170	100.0	1170.0	663.75	663.75	664.51
1300	130.0	1300.0	662.60	662.52	663.38
1400	100.0	1400.0	662.34	662.46	663.32
1500	100.0	1500.0	662.44	662.41	663.27
1600	100.0	1600.0	662.62	662.35	663.21
1700	100.0	1700.0	662.49	662.29	663.15
1800	100.0	1800.0	662.49	662.23	663.09
1900	100.0	1900.0	662.36	662.17	663.03
STA.2	100.0	2000.0	662.10	662.11	662.91
2100	100.0	2100.0	662.06	662.05	662.85
2200	100.0	2200.0	662.00	661.99	662.79
2300	100.0	2300.0	662.05	661.94	662.74
2400	100.0	2400.0	661.82	661.88	662.68
2500	100.0	2500.0	661.68	661.82	662.66
2600	100.0	2600.0	661.73	661.76	662.60
2700	100.0	2700.0	661.67	661.70	662.54
2800	100.0	2800.0	661.65	661.64	662.43
2900	100.0	2900.0	661.58	661.58	662.37
STA.3	100.0	3000.0	661.70	661.52	662.31
3100	100.0	3100.0	661.49	661.46	662.25
3200	100.0	3200.0	661.33	661.41	662.20
3300	100.0	3300.0	661.51	661.35	662.14
3400	100.0	3400.0	661.41	661.29	662.08
3500	100.0	3500.0	661.44	661.23	662.02
3600	100.0	3600.0	661.47	661.17	661.96
STA.3 +700	100.0	3700.0	661.24	661.11	661.90

LONGITUDINAL PROFILE OF MAIN CANAL

SECTOR II : 6.44^{km} (1/2)

LEGEND
 TO : TURNOUT
 DP : DROP
 CH : CHECK



665.53	665.77	665.98	900.0	100.0	900
666.44	665.68	665.68	1000.0	100.0	STA. 1
665.56	664.80	664.80	1070.0	70.0	1070
664.51	663.75	663.75	1170.0	100.0	1170
663.46	662.60	662.60	1300.0	130.0	1300
663.38	662.52	662.60	1400.0	100.0	1400
663.32	662.46	662.34	1500.0	100.0	1500
663.27	662.41	662.44	1600.0	100.0	1600
663.21	662.35	662.62	1700.0	100.0	1700
663.15	662.29	662.49	1800.0	100.0	1800
663.09	662.23	662.49	1900.0	100.0	1900
663.03	662.17	662.36	2000.0	100.0	STA. 2
662.91	662.11	662.10	2100.0	100.0	2100
662.85	662.05	662.06	2200.0	100.0	2200
662.79	661.99	662.00	2300.0	100.0	2300
662.74	661.94	662.05	2400.0	100.0	2400
662.68	661.88	661.82	2500.0	100.0	2500
662.66	661.82	661.68	2600.0	100.0	2600
662.60	661.76	661.73	2700.0	100.0	2700
662.54	661.70	661.67	2800.0	100.0	2800
662.43	661.64	661.65	2900.0	100.0	2900
662.37	661.58	661.58	3000.0	100.0	STA. 3
662.31	661.52	661.70	3100.0	100.0	3100
662.25	661.46	661.49	3200.0	100.0	3200
662.20	661.41	661.33	3300.0	100.0	3300
662.14	661.35	661.51	3400.0	100.0	3400
662.08	661.29	661.41	3500.0	100.0	3500
662.02	661.23	661.44	3600.0	100.0	3600
661.96	661.17	661.47	3700.0	100.0	STA. 3 +700
661.90	661.11	661.24		100.0	

THE REPUBLIC OF HONDURAS
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 GENERAL DIRECTORATE OF WATER RESOURCES

THE FEASIBILITY STUDY ON REHABILITATION OF
 COYOLAR DAM AND IRRIGATION IMPROVEMENT
 PROJECT IN COMAYAGUA VALLEY.

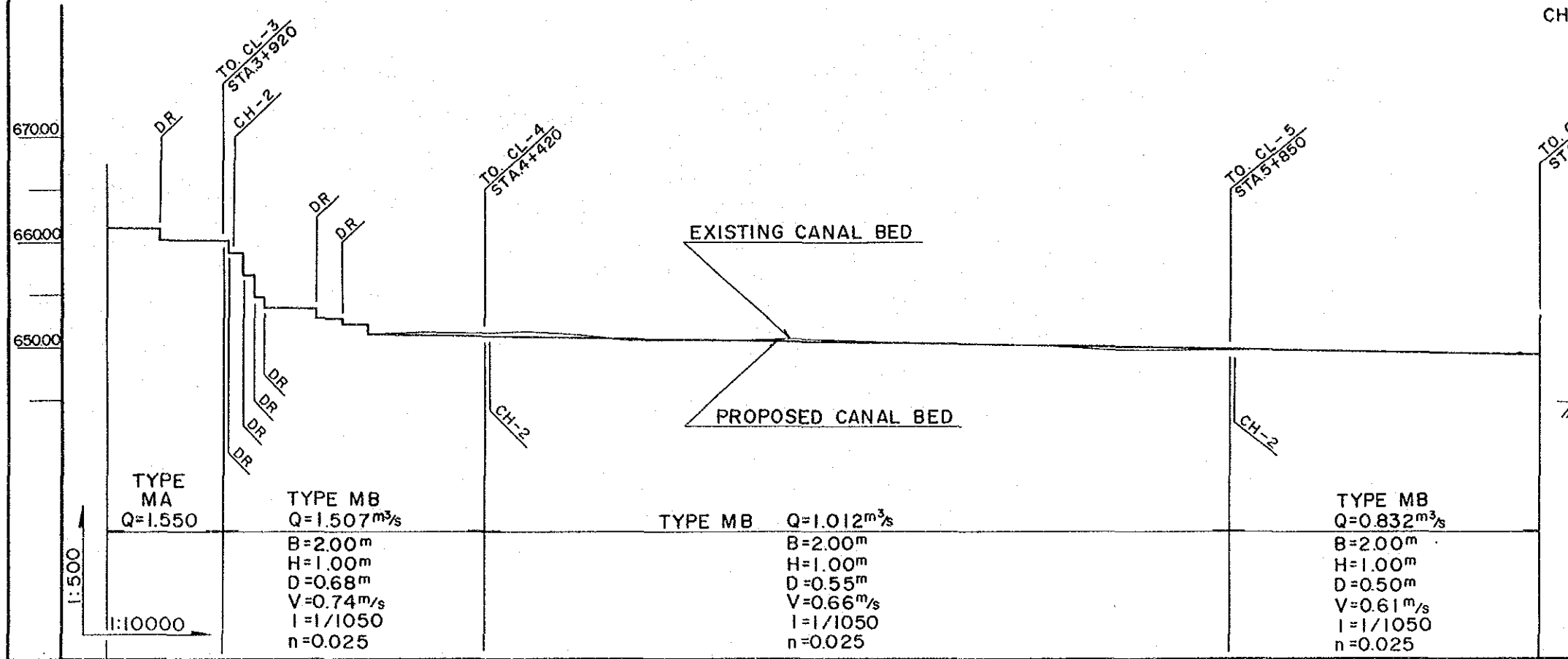
LONGITUDINAL PROFILE OF MAIN CANAL
 SECTOR II : 6.44^{km} (1/2)

DATE	OCT. 1990	DWG	J.2- 7
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JAPAN INTERNATIONAL COOPERATION AGENCY

LONGITUDINAL PROFILE OF MAIN CANAL SECTOR II : 6.44^{km} (2/2)

LEGEND
TO : TURNOUT
DR : DROP
CH : CHECK



STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA 3+700	100.0	3700.0	661.24	661.11	661.90
3800	100.0	3800.0	661.05	661.05	661.84
			660.10	660.10	660.89
3930	130.0	3930.0	659.90	659.90	660.69
			658.90	658.90	659.58
STA 4	70.0	4000.0	654.60	654.60	655.28
			653.70	653.70	654.38
4100	100.0	4100.0	653.75	653.75	654.43
			652.75	652.75	653.43
4150	50.0	4150.0	652.75	652.75	653.43
			652.15	652.15	652.83
4200	50.0	4200.0	652.10	652.10	652.78
			651.21	651.21	651.89
4300	100.0	4300.0	651.24	651.21	651.89
4400	100.0	4400.0	651.19	651.11	651.79
4500	100.0	4500.0	651.37	651.02	651.57
4600	100.0	4600.0	651.17	650.92	651.47
4700	100.0	4700.0	650.67	650.83	651.38
4800	100.0	4800.0	650.61	650.73	651.28
4900	100.0	4900.0	650.56	650.64	651.19
STA 5	100.0	5000.0	650.74	650.54	651.09
5100	100.0	5100.0	651.51	650.45	651.00
5200	100.0	5200.0	650.31	650.35	650.90
5300	100.0	5300.0	650.28	650.26	650.81
5400	100.0	5400.0	650.07	650.16	650.71
5500	100.0	5500.0	649.97	650.07	650.62
5600	100.0	5600.0	649.78	649.97	650.52
5700	100.0	5700.0	649.71	649.88	650.43
5800	100.0	5800.0	649.70	649.78	650.33
5900	100.0	5900.0	649.68	649.69	650.19
STA 6	100.0	6000.0	649.47	649.59	650.09
STA 6+100	100.0	6100.0	649.47	649.50	650.00
6200	100.0	6200.0	649.38	649.40	649.90
6300	100.0	6300.0	649.17	649.31	649.81
6440	140.0	6440.0	649.17	649.17	649.67

THE REPUBLIC OF HONDURAS
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GENERAL DIRECTORATE OF WATER RESOURCES.

THE FEASIBILITY STUDY ON REHABILITATION OF COYLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.

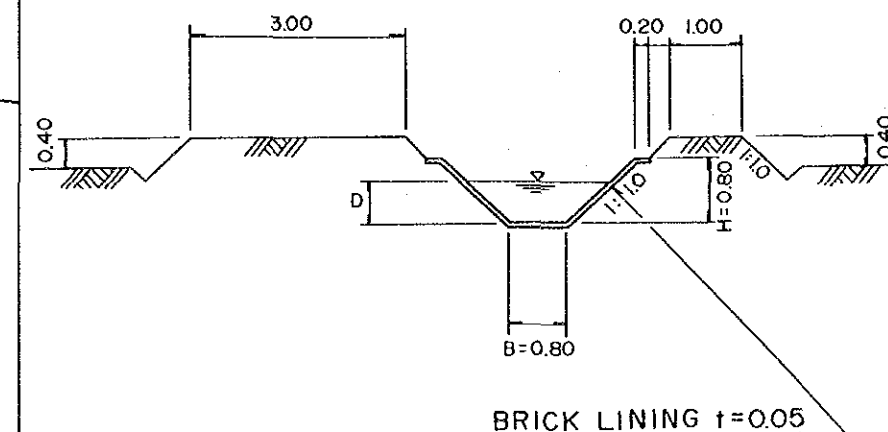
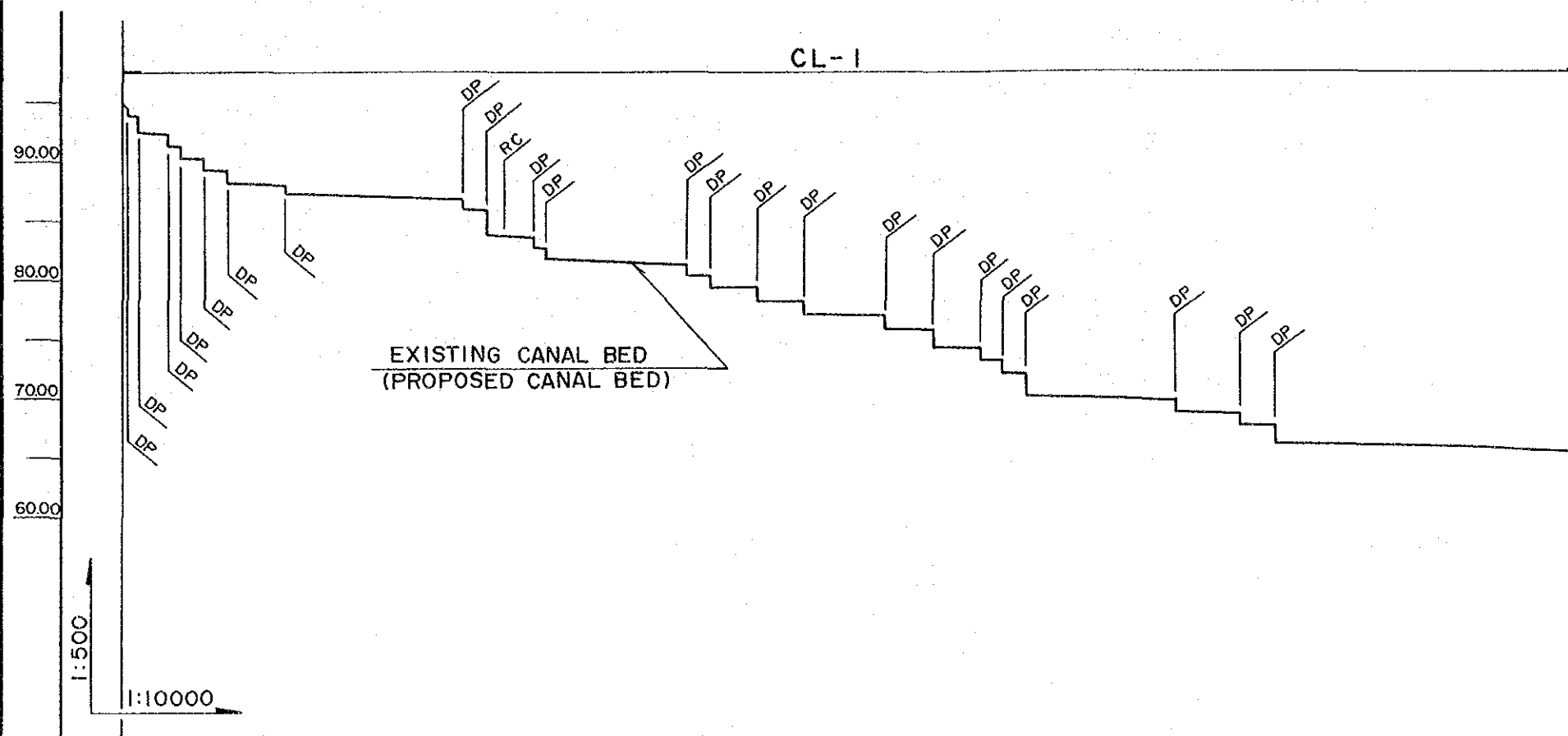
LONGITUDINAL PROFILE OF MAIN CANAL
SECTOR II : 6.44^{km} (2/2)

DATE	OCT. 1990	DWG	J.2- 8
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JAPAN INTERNATIONAL COOPERATION AGENCY

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-I. SECTOR II) 2.48 km

LEGEND
DP : DROP
RC : ROAD CROSSING



Q = 0.215 m³/s
D = 0.32 m
V = 0.60 m/s
I = 1/550
n = 0.025

STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	94.90	94.90	95.22
100	100.0	100.0	91.30	91.30	91.62
180	80.0	180.0	89.15	89.15	89.47
260	100.0	280.0	88.15	88.15	88.47
580	300.0	580.0	88.05	88.05	88.37
620	400.0	620.0	87.50	87.50	87.82
700	800.0	700.0	86.85	86.85	87.17
960	260.0	960.0	86.22	86.22	86.54
STA.1	40.0	1000.0	85.85	85.85	86.17
1080	80.0	1080.0	84.07	84.07	84.39
1160	80.0	1160.0	83.92	83.92	84.24
1300	140.0	1300.0	83.60	83.60	83.92
1380	80.0	1380.0	82.70	82.70	83.02
1460	80.0	1460.0	81.25	81.25	81.57
1500	40.0	1500.0	80.25	80.25	80.57
1550	50.0	1550.0	79.30	79.30	79.62
1780	2300.0	1780.0	79.15	79.15	79.47
1900	1200.0	1900.0	78.15	78.15	78.47
1960	60.0	1960.0	78.05	78.05	78.37
STA.2	140.0	2100.0	77.05	77.05	77.37
2200	100.0	2200.0	76.85	76.85	77.17
2300	100.0	2300.0	76.17	76.17	76.49
2400	100.0	2400.0	76.02	76.02	76.34
STA.2 + 480	80.0	2480.0	74.20	74.20	74.52
			74.15	74.15	74.47
			73.15	73.15	73.47
			73.10	73.10	73.42
			72.10	72.10	72.42
			71.90	71.90	72.22
			70.10	70.10	70.42
			69.70	69.70	70.02
			68.70	68.70	69.02
			68.60	68.60	68.92
			67.60	67.60	67.92
			67.60	67.60	67.92
			66.10	66.10	66.42
			65.95	65.95	66.27
			65.85	65.85	66.17
			65.75	65.75	66.07
			65.35	65.35	65.67
			65.20	65.20	65.52

THE REPUBLIC OF HONDURAS
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GENERAL DIRECTORATE OF WATER RESOURCES.

THE FEASIBILITY STUDY ON REHABILITATION OF COYLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-I. SECTOR II) 2.48 km

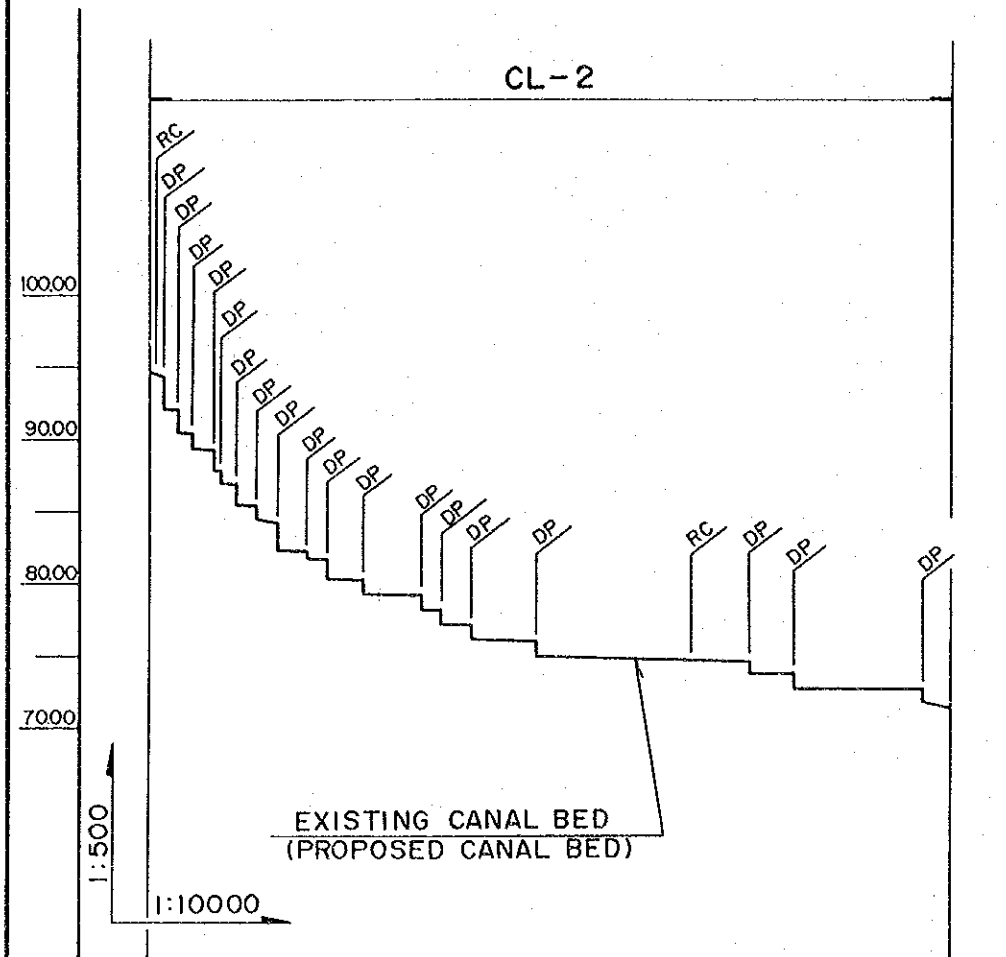
DATE	OCT. 1990	DWG	J.2- 9
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JAPAN INTERNATIONAL COOPERATION AGENCY

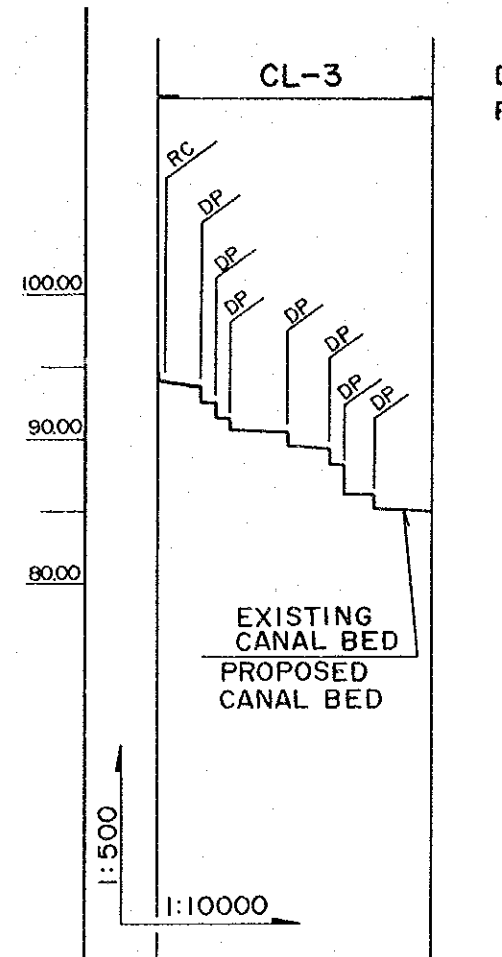
LONGITUDINAL PROFILE OF LATERAL CANAL

(CL-2. SECTOR II) 1.12^{km}

(CL-3. SECTOR II) 0.38^{km}

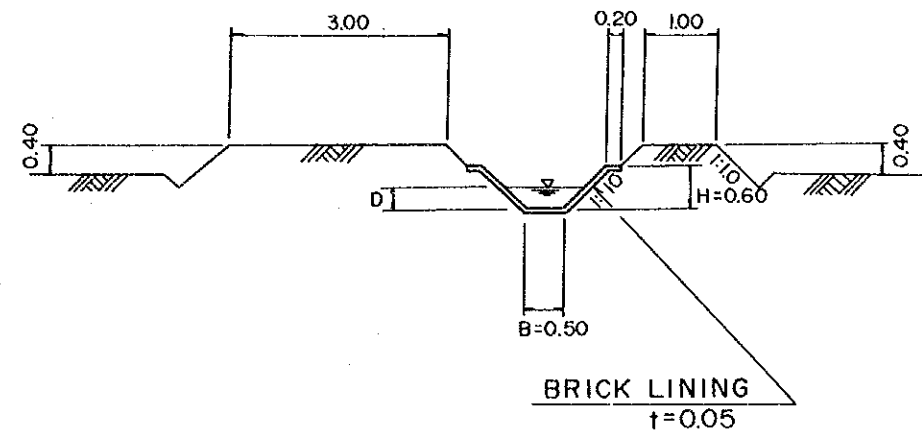


STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	94.55	94.55	94.70
100	100.0	100.0	87.90 86.85	87.90 86.85	88.05 86.90
220	120.0	220.0	82.25	82.25	82.40
300	80.0	300.0	80.20 79.20	80.20 79.20	80.35 79.35
380	80.0	380.0	79.10 78.15	79.10 78.15	79.25 78.30
450	70.0	450.0	77.10 76.10	77.10 76.10	77.25 76.25
540	90.0	540.0	76.00 75.00	76.00 75.00	76.15 75.15
840	300.0	840.0	74.60	74.60	74.75
900	100.0	900.0	73.80 73.75 72.80	73.80 73.75 72.80	73.95 73.90 72.95
STA.1	100.0	1000.0	72.70	72.70	72.85
1080	80.0	1080.0	72.65	72.65	72.80
STA.1+12	40.0	1120.0	71.70 71.50	71.70 71.50	71.85 71.65



STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	94.05	94.05	94.20
100	100.0	100.0	91.40 90.65	91.40 90.65	91.55 91.80
180	80.0	180.0	90.40	90.40	90.55
240	60.0	240.0	89.45 89.35	89.45 89.35	89.60 89.50
300	60.0	300.0	88.35 86.30	88.35 86.30	88.50 86.45
380	80.0	380.0	85.30	85.30	85.45
			85.00	85.00	85.15

LEGEND
DP: DROP
RC: ROAD CROSSING



CL-2
Q = 0.026 m³/s
D = 0.15 m
V = 0.30 m/s
I = 1/900
n = 0.025
TYPE LE

CL-3
Q = 0.036 m³/s
D = 0.15 m
V = 0.38 m/s
I = 1/550
n = 0.025
TYPE LE

THE REPUBLIC OF HONDURAS
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GENERAL DIRECTORATE OF WATER
RESOURCES.

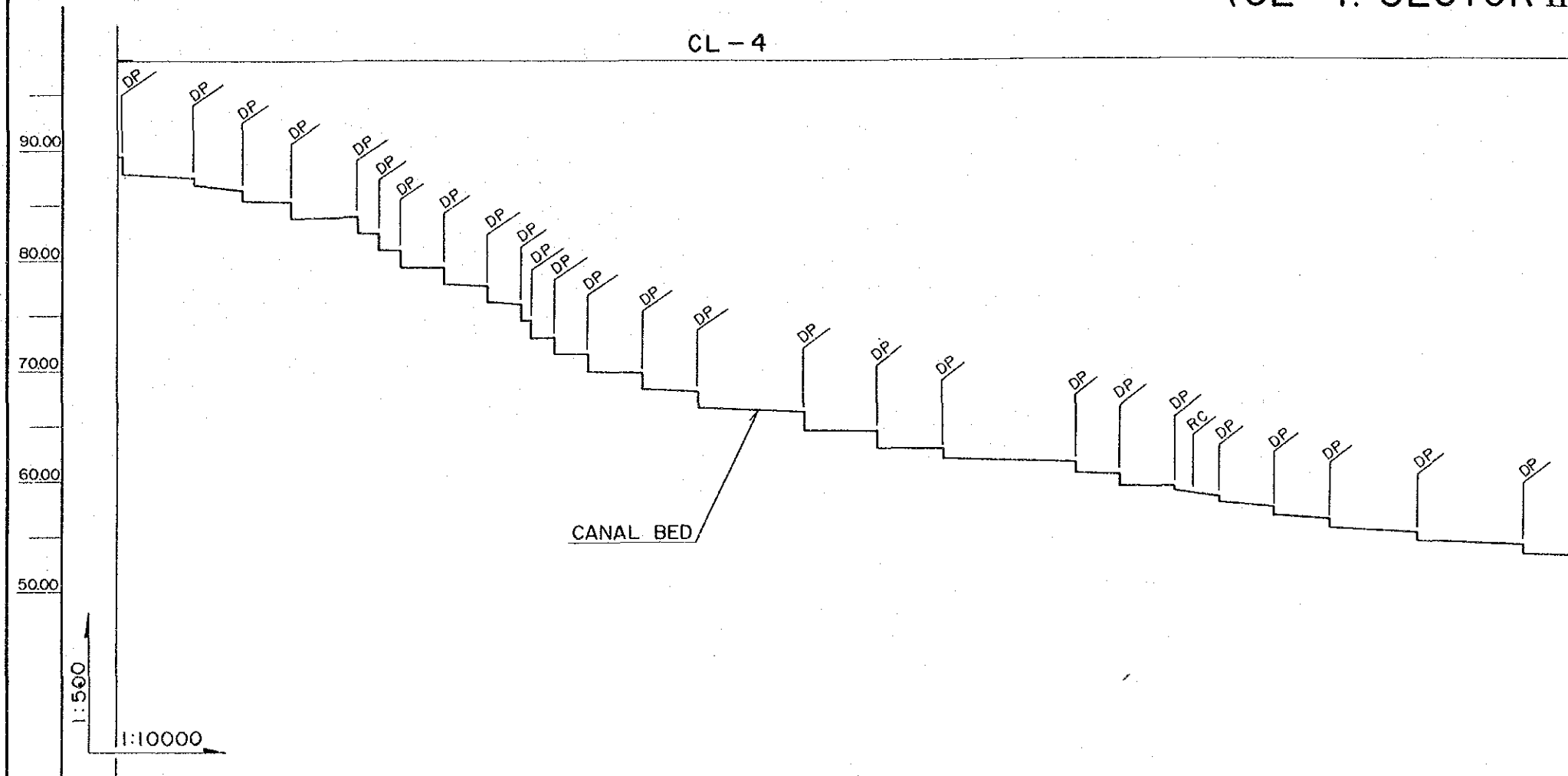
THE FEASIBILITY STUDY ON REHABILITATION OF
COYOLAR DAM AND IRRIGATION IMPROVEMENT
PROJECT IN COMAYAGUA VALLEY.

LONGITUDINAL PROFILE OF LATERAL CANAL
(CL-2. SECTOR II) 1.12^{km}, (CL-3. SECTOR II) 0.38^{km}

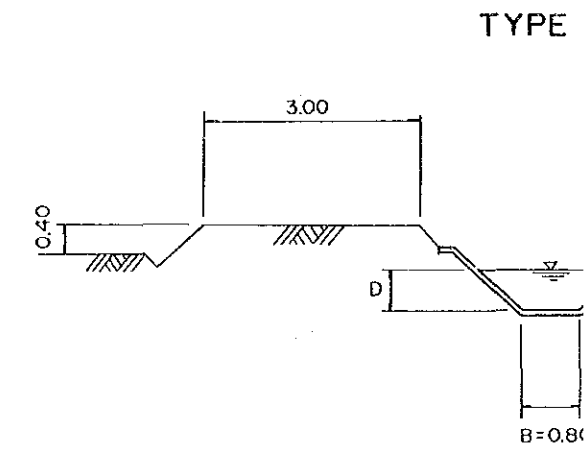
DATE | OCT. 1990 | DWG | J.2-10

JAPAN INTERNATIONAL COOPERATION AGENCY

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-4. SECTOR II) 2.66 km



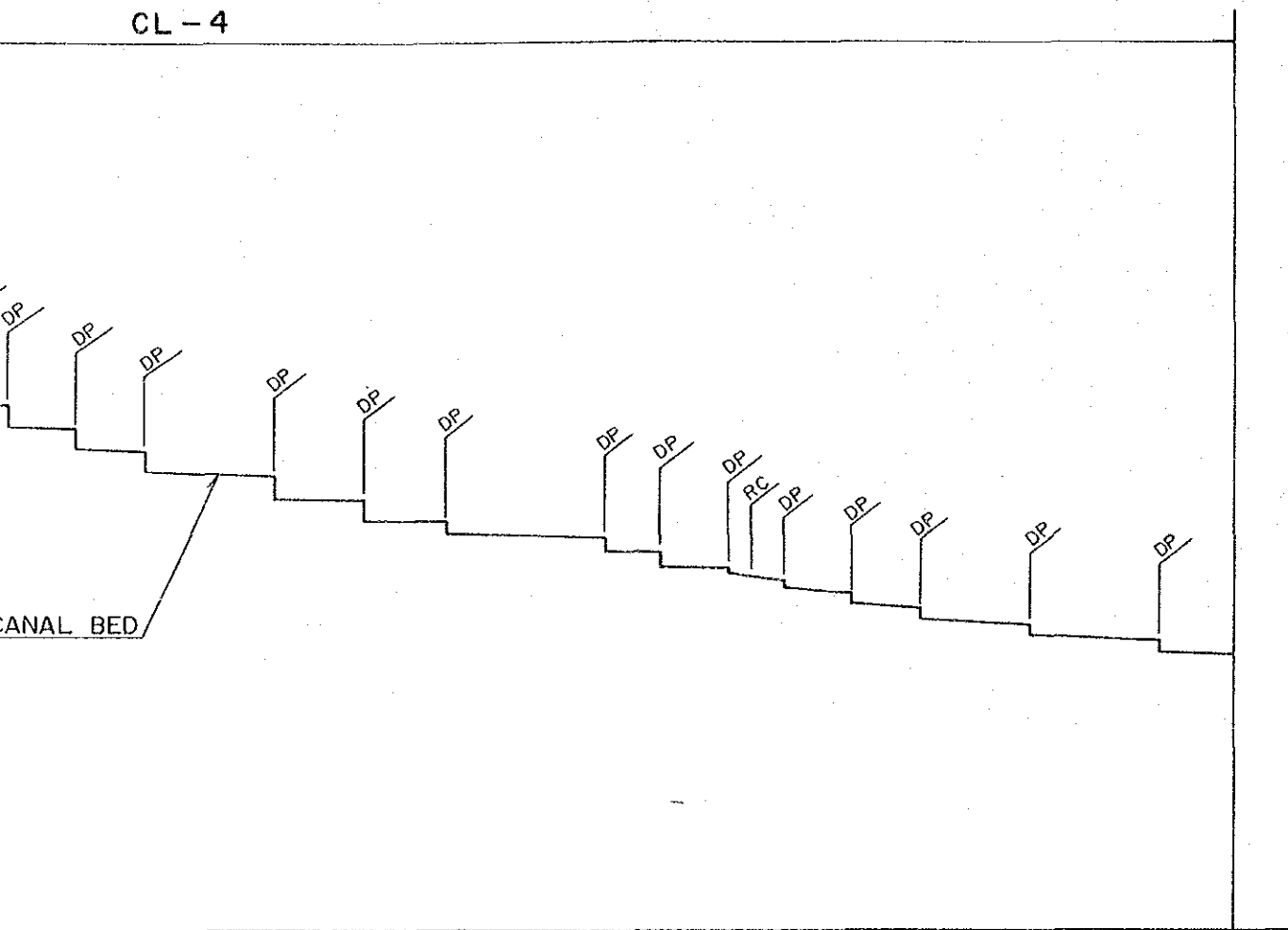
LEGEND
DP : DROP
RC : ROAD CROSSING



STA.	DIS.	T.DIS.	I.E.L.	GRA.	W.E.L.
STA.0	0.0	0.0	89.20	89.20	89.71
140	140.0	140.0	87.45 86.60	87.45 86.60	87.96 87.71
230	90.0	230.0	86.30 85.30	86.30 85.30	86.81 85.81
320	90.0	320.0	85.20 83.70	85.20 83.70	85.71 84.21
440	120.0	440.0	84.00 82.45	84.00 82.45	84.51 82.96
520	80.0	520.0	80.85 79.35	80.85 79.35	81.36 79.86
600	80.0	600.0	79.20 77.70	79.20 77.70	79.71 78.21
680	80.0	680.0	77.60 76.10	77.60 76.10	78.11 76.61
740	60.0	740.0	75.95 74.45	75.95 74.45	76.46 74.96
800	60.0	800.0	72.90 71.40	72.90 71.40	73.41 71.91
860	60.0	860.0	71.30 69.85	71.30 69.85	71.81 70.36
960	100.0	960.0	69.70 68.20	69.70 68.20	70.21 68.71
STA.1 1060	100.0	1060.0	68.00 66.50	68.00 66.50	68.51 67.51
1240	180.0	1240.0	66.15 64.60	66.15 64.60	66.66 65.11
1380	140.0	1380.0	64.50 63.00	64.50 63.00	65.01 63.51
1500	120.0	1500.0	62.95 62.00	62.95 62.00	63.46 62.51
1740	240.0	1740.0	61.60 60.60	61.60 60.60	62.11 61.11
1820	80.0	1820.0	60.60 59.60	60.60 59.60	61.11 60.11
1920	100.0	1920.0	59.50 59.10	59.50 59.10	60.01 59.61
STA.2 2100	80.0	2000.0	58.50 58.00	58.50 58.00	59.01 58.51
2100	100.0	2100.0	57.45 56.75	57.45 56.75	57.96 56.96
2200	100.0	2200.0	56.45 55.70	56.45 55.70	56.96 56.21
2360	160.0	2360.0	55.35 54.50	55.35 54.50	55.86 55.01
2550	190.0	2550.0	54.20 53.35	54.20 53.35	54.71 53.86
STA.2 +660	110.0	2660.0	53.30	53.30	53.81

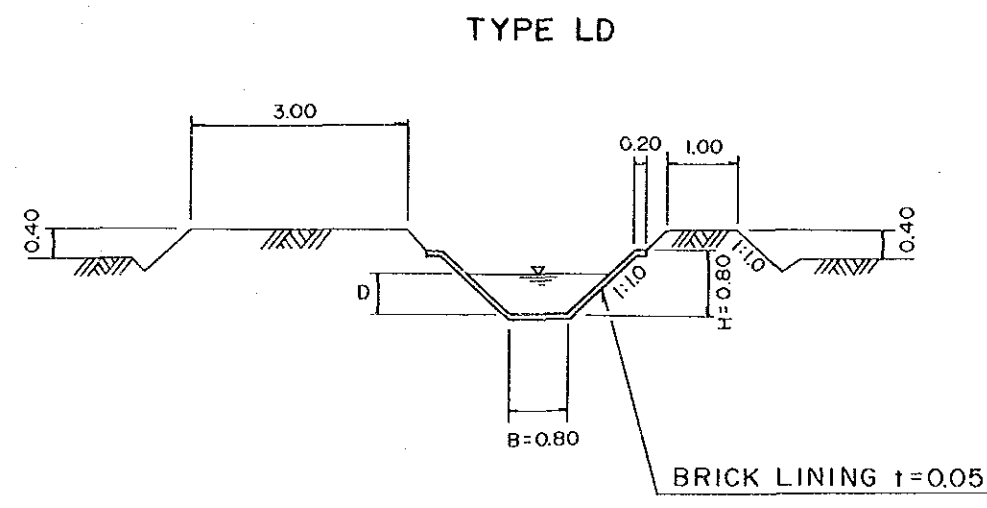
Q = 0.492 m³/s
D = 0.51 m
V = 0.76 m/s
I = 1/550
n = 0.025

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-4. SECTOR II) 2.66 km



LEGEND
DP: DROP
RC: ROAD CROSSING

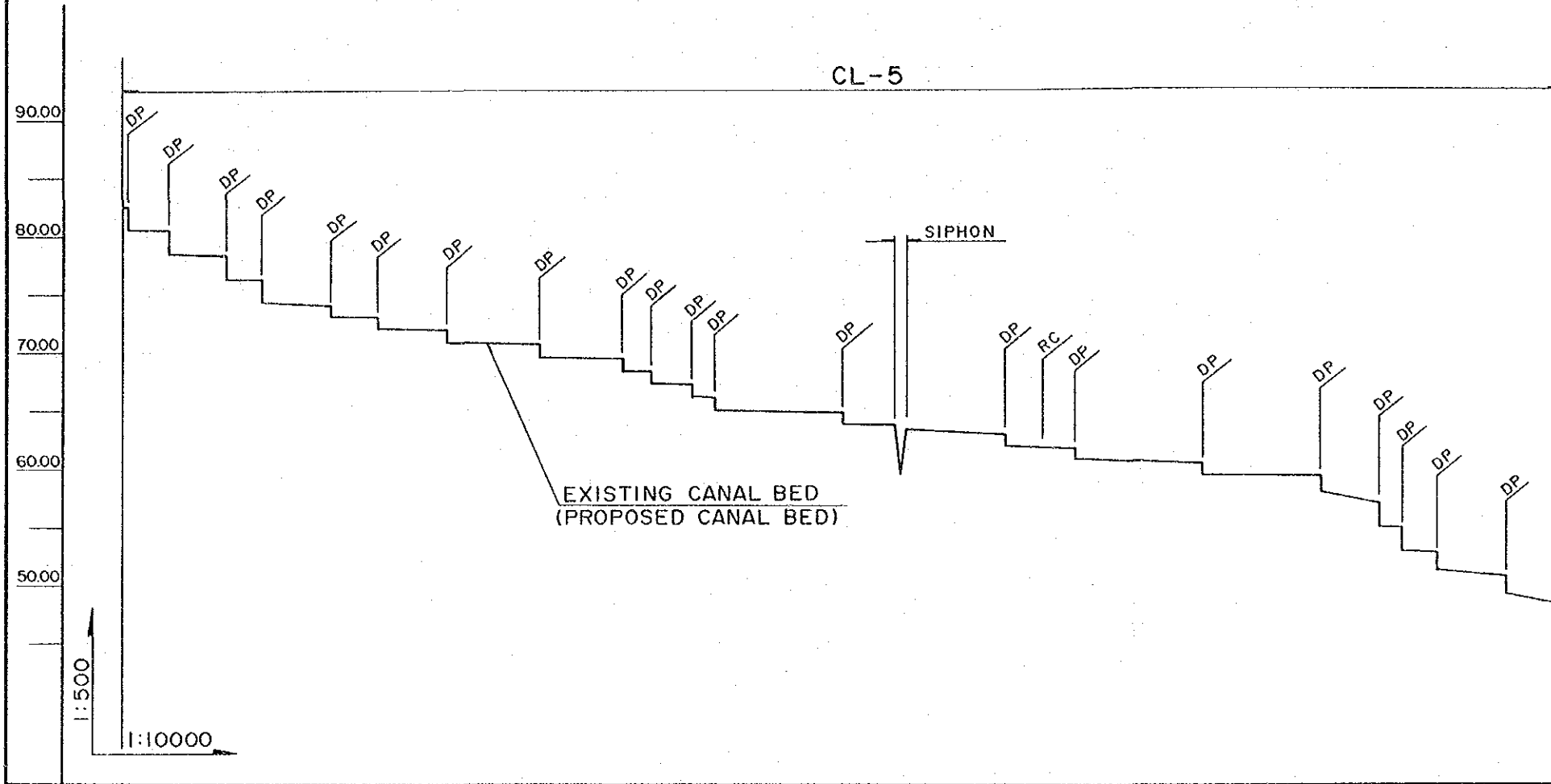
70.36	70.21	69.51	66.66	65.01	63.46	62.11	61.11	60.01	59.96	58.36	55.86	54.71	53.81	
69.85	69.70	68.00	66.15	64.50	62.95	61.60	60.60	59.50	57.45	56.96	55.35	54.20	53.30	
69.85	69.70	68.00	66.15	64.50	62.95	61.60	60.60	59.50	57.45	56.45	55.35	54.20	53.30	
860.0	960.0	1060.0	1240.0	1380.0	1500.0	1740.0	1820.0	1920.0	2000.0	2100.0	2200.0	2360.0	2550.0	2660.0
60.0	100.0	100.0	180.0	140.0	120.0	240.0	80.0	100.0	80.0	100.0	100.0	160.0	190.0	110.0
860	960	1060	1240	1380	1500	1740	1820	1920	2000	2100	2200	2360	2550	2660
STA. 1						STA. 2							STA. 2	+660



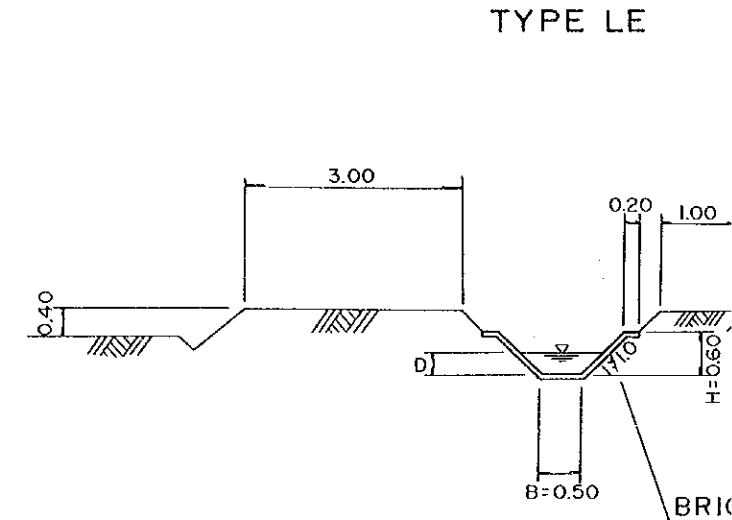
Q = 0.492 m³/s
D = 0.51 m
V = 0.76 m/s
I = 1/550
n = 0.025

THE REPUBLIC OF HONDURAS MINISTRY OF NATURAL RESOURCES GENERAL DIRECTORATE OF WATER RESOURCES			
THE FEASIBILITY STUDY ON REHABILITATION OF COYLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.			
LONGITUDINAL PROFILE OF LATERAL CANAL (CL-4. SECTOR II) 2.66 km			
DATE	OCT. 1990	DWG	J.2-11
JAPAN INTERNATIONAL COOPERATION AGENCY			

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-5. SECTOR II) 2.48^{km}



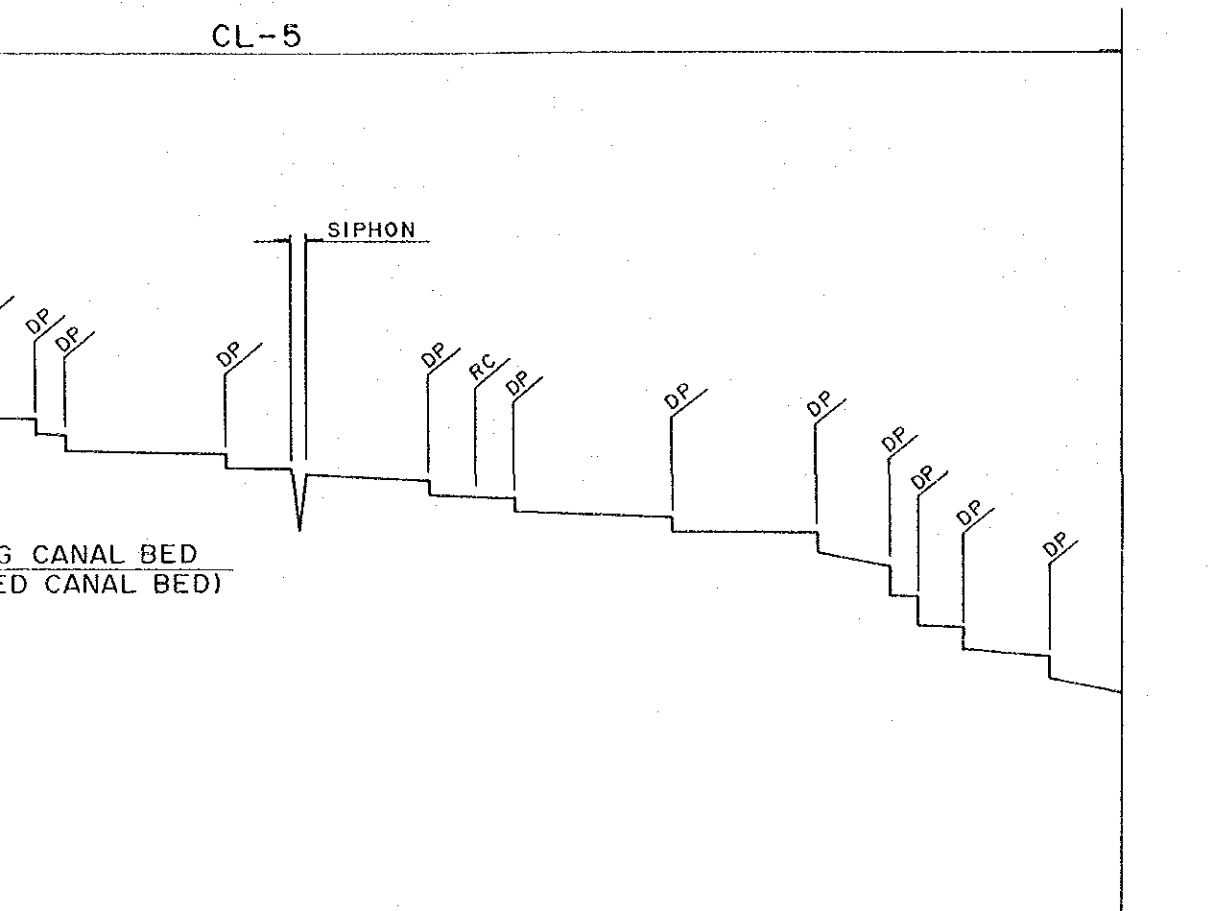
LEGEND
DP : DROP
RC : ROAD CROSSING



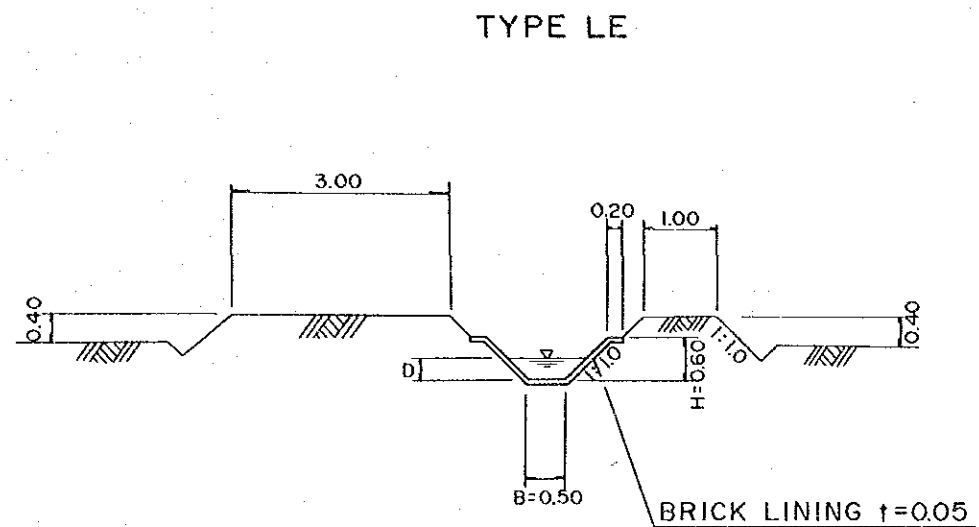
Q = 0.127 m³/s
D = 0.32 m
V = 0.49 m/s
I = 1/700
n = 0.025

STA.	DIS.	T. DIS.	I. E.L.	GRA.	W.E.L.
STA. 0	0.0	0.0	82.45	82.45	82.77
10	10.0	10.0	82.45	82.45	82.77
+80	70.0	80.0	80.60	80.60	80.92
			80.55	80.55	80.87
			78.50	78.50	78.82
180	100.0	180.0	78.20	78.20	78.76
240	60.0	240.0	76.20	76.20	76.76
			74.25	74.25	74.81
360	110.0	360.0	74.00	74.00	74.32
			73.00	73.00	73.32
440	70.0	440.0	73.00	73.00	73.32
			71.95	71.95	72.27
560	120.0	560.0	71.80	71.80	72.12
			70.80	70.80	71.12
720	160.0	720.0	70.55	70.55	70.87
			69.55	69.55	69.87
860	140.0	860.0	69.20	69.20	69.52
			68.20	68.20	68.52
920	60.0	920.0	68.20	68.20	68.52
			67.20	67.20	67.52
980	60.0	980.0	67.10	67.10	67.42
STA. 1	40.0	1020.0	66.05	66.05	66.37
1020			66.00	66.00	66.32
			64.95	64.95	65.27
1240	220.0	1240.0	64.75	64.75	65.07
			63.75	63.75	64.07
1320	90.0	1330.0	63.65	63.65	63.97
1350	20.0	1350.0	63.20	63.20	63.52
1520	170.0	1520.0	62.85	62.85	63.17
			61.85	61.85	62.17
1640	120.0	1640.0	61.70	61.70	62.02
			60.70	60.70	61.02
1860	220.0	1860.0	60.40	60.40	60.72
			59.40	59.40	59.72
STA. 2					
2060	200.0	2060.0	59.30	59.20	59.52
			57.90	57.90	58.22
2160	100.0	2160.0	56.95	56.95	57.27
			54.90	54.90	55.22
2260	100.0	2260.0	52.70	52.70	53.02
			51.30	51.30	51.62
2380	120.0	2380.0	50.55	50.55	50.87
			49.10	49.10	49.42
STA. 2	100.0	2480.0	48.10	48.10	48.42

LONGITUDINAL PROFILE OF LATERAL CANAL (CL-5. SECTOR II) 2.48^{km}



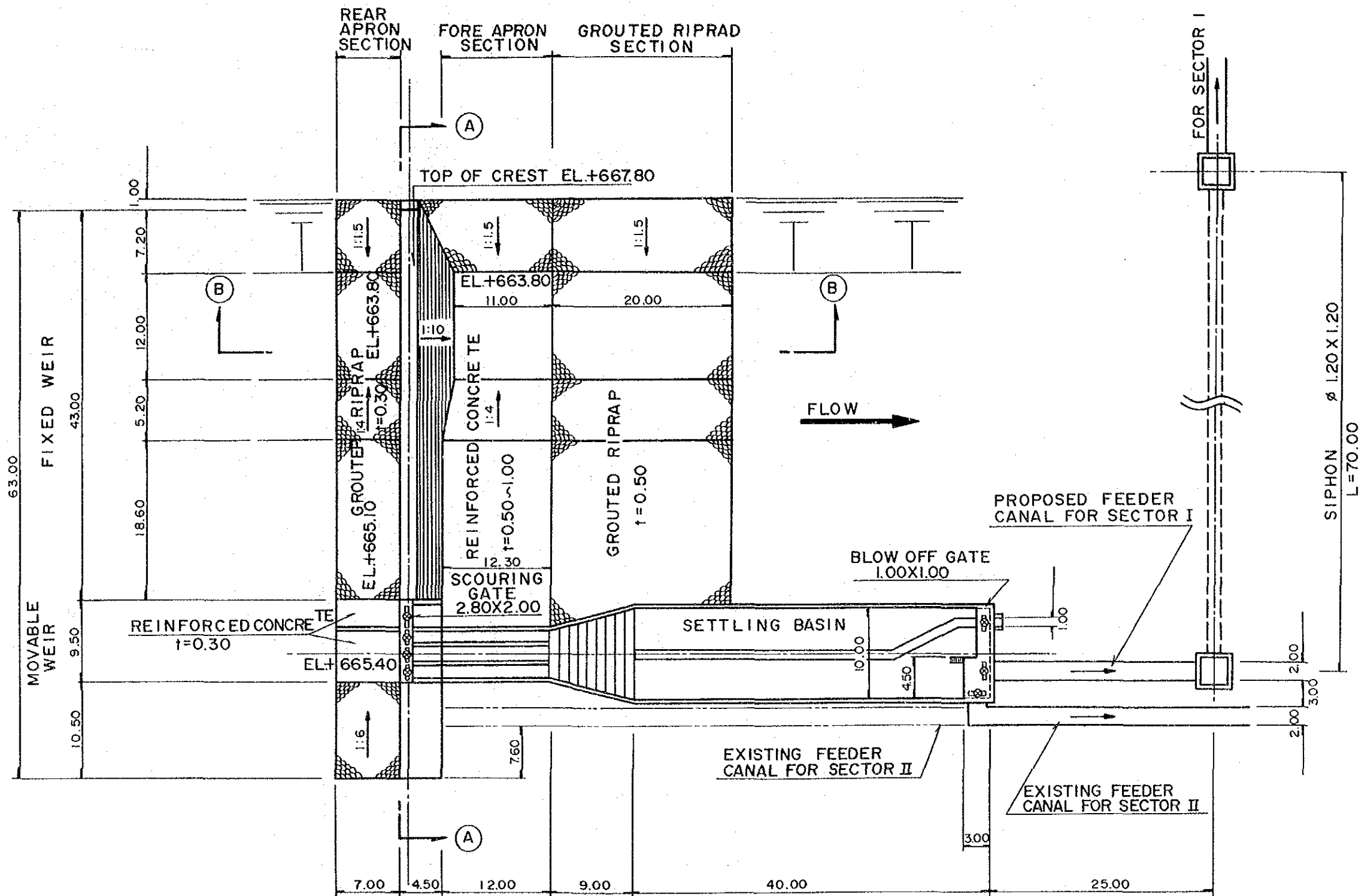
LEGEND
DP : DROP
RC : ROAD CROSSING



Q = 0.127 m³/s
D = 0.32 m
V = 0.49 m/s
I = 1/700
n = 0.025

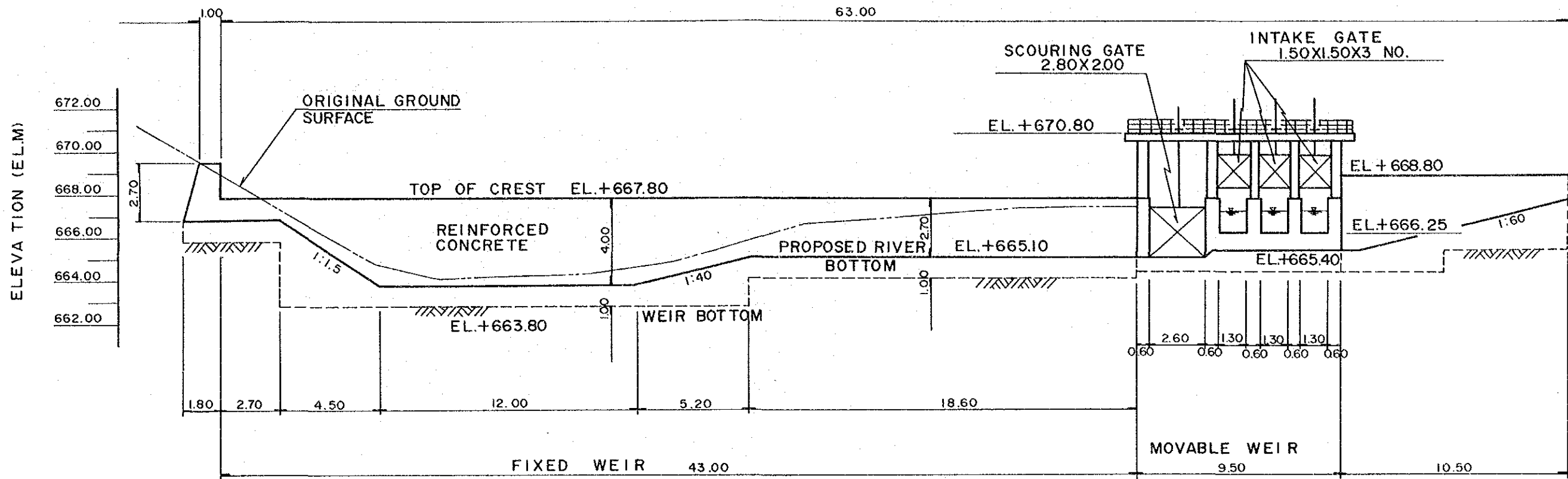
97.20	64.75	63.65	62.85	60.40	59.20	56.95	52.70	50.55	48.10
67.42	63.75	63.20	61.85	59.40	57.90	54.90	51.30	49.10	48.10
66.37									
65.27									
65.07									
63.97									
63.52									
63.17									
62.17									
62.02									
61.02									
60.72									
59.72									
59.52									
58.22									
57.37									
55.22									
53.02									
51.62									
50.87									
49.42									
48.42									

THE REPUBLIC OF HONDURAS			
MINISTRY OF NATURAL RESOURCES			
GENERAL DIRECTORATE OF WATER RESOURCES			
THE FEASIBILITY STUDY ON REHABILITATION OF COYOLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.			
LONGITUDINAL PROFILE OF LATERAL CANAL (CL-5. SECTOR II) 2.48 ^{km}			
DATE	OCT. 1990	DWG	J.2-12
JAPAN INTERNATIONAL COOPERATION AGENCY			

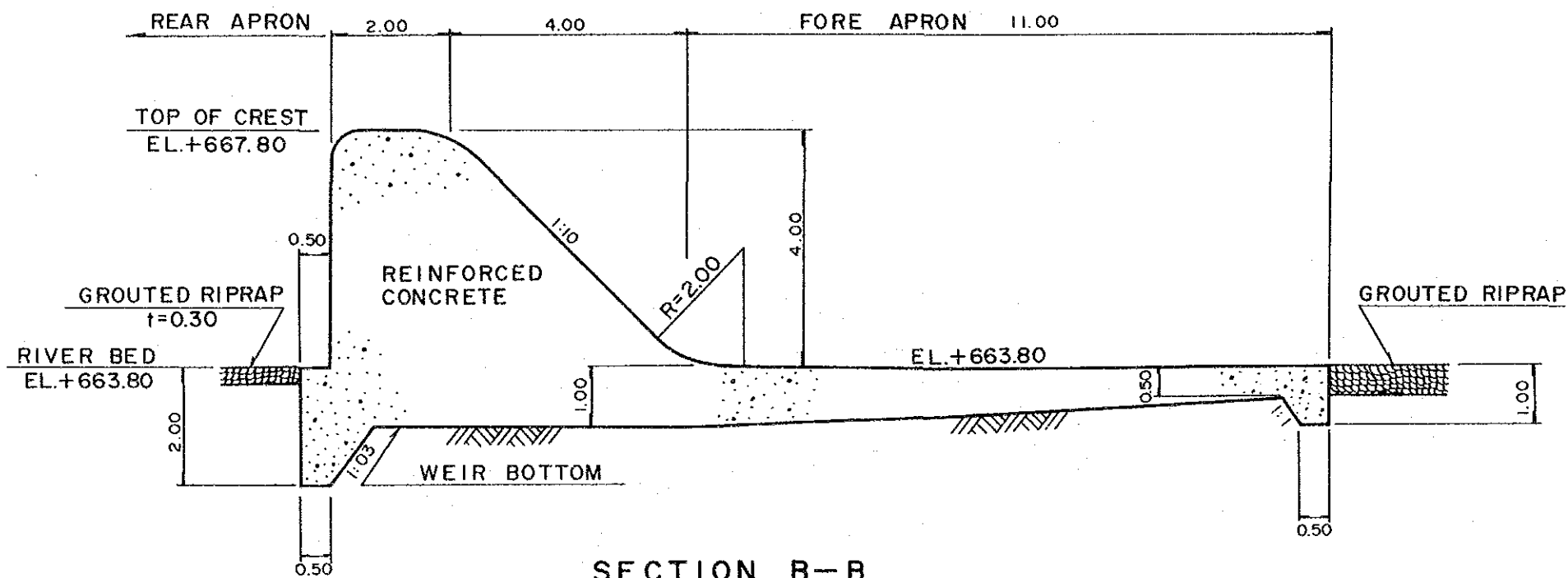


PLAN
SCALE 1:500

THE REPUBLIC OF HONDURAS. MINISTRY OF NATURAL RESOURCES GENERAL DIRECTORATE OF WATER RESOURCES.			
THE FEASIBILITY STUDY ON REHABILITATION OF COYLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.			
DIVERSION WORKS (1/2)			
DATE	Oct., 1990	DWG	J.2-13
JAPAN INTERNATIONAL COOPERATION AGENCY.			



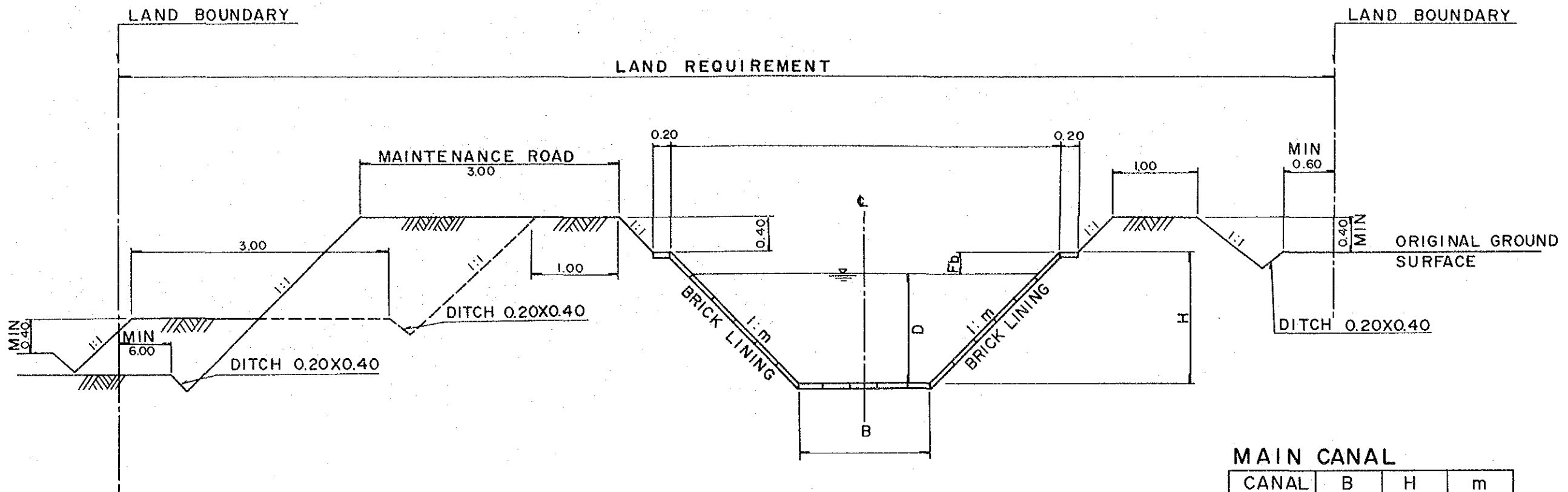
SECTION A-A
SCALE 1:200



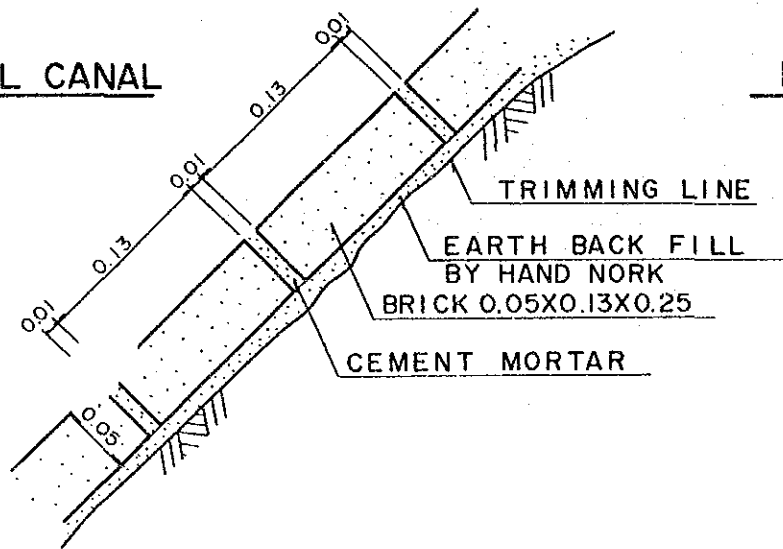
SECTION B-B
SCALE 1:100

THE REPUBLIC OF HONDURAS. MINISTRY OF NATURAL RESOURCES GENERAL DIRECTORATE OF WATER RESOURCES.			
THE FEASIBILITY STUDY ON REHABILITATION OF COYLAR DAM AND IRRIGATION IMPROVEMENT PROJECT IN COMAYAGUA VALLEY.			
DIVERSION WORKS (2/2)			
DATE	Oct., 1990.	DWG	J.2-14
JAPAN INTERNATIONAL COOPERATION AGENCY.			

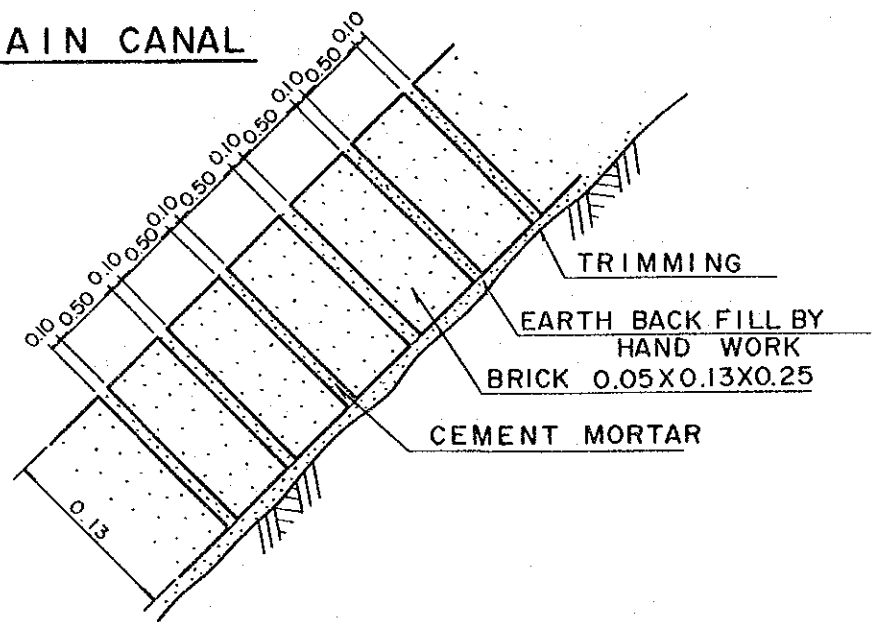
TYPICAL CROSS SECTION OF CANAL IMPROVEMENT



LATERAL CANAL



MAIN CANAL

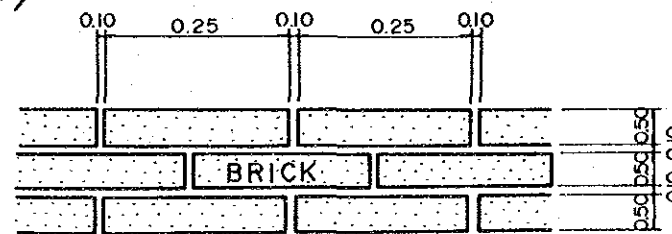
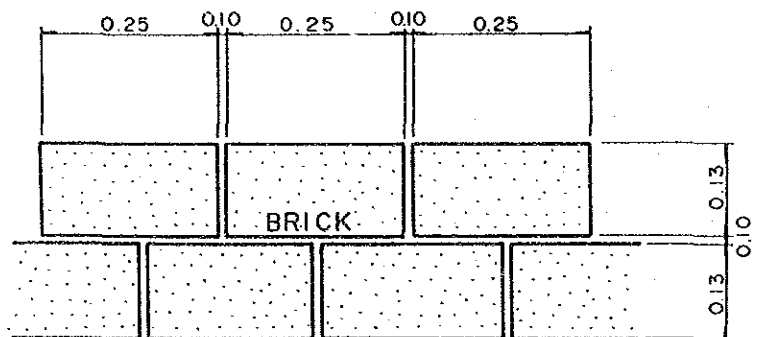


MAIN CANAL

CANAL TYPE	B (m)	H (m)	m
MA	2.00	1.20	1.5
MB	2.00	1.20	1.5
MC	1.20	0.90	1.5

LATERAL CANAL

CANAL TYPE	B (m)	H (m)	m
LC	1.00	0.90	1.0
LD	0.80	0.80	1.0
LE	0.50	0.60	1.0



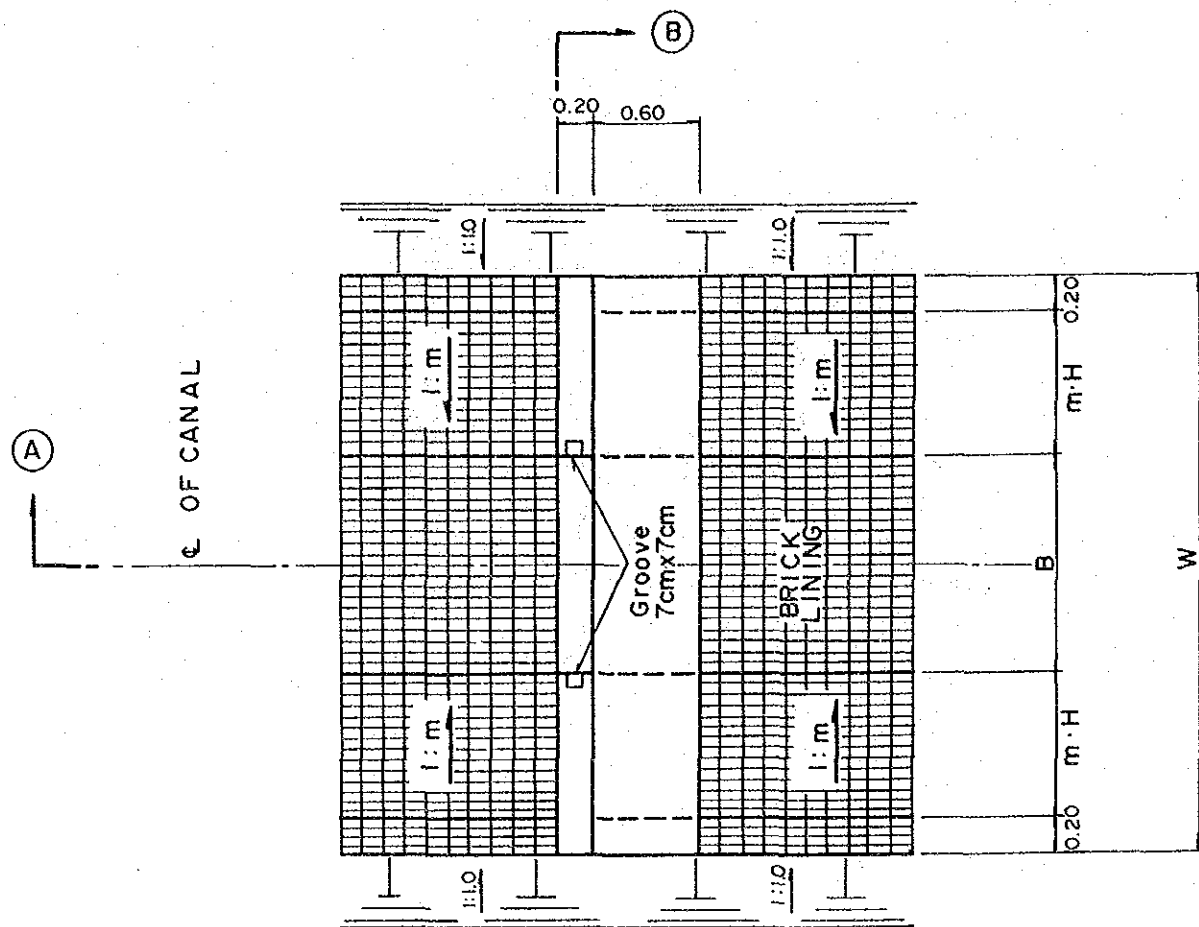
THE REPUBLIC OF HONDURAS.
MINISTRY OF NATURAL RESOURCES
GENERAL DIRECTORATE OF WATER RESOURCES.

THE FEASIBILITY STUDY ON REHABILITATION OF
 COYOLAR DAM AND IRRIGATION IMPROVEMENT
 PROJECT IN COMAYAGUA VALLEY.

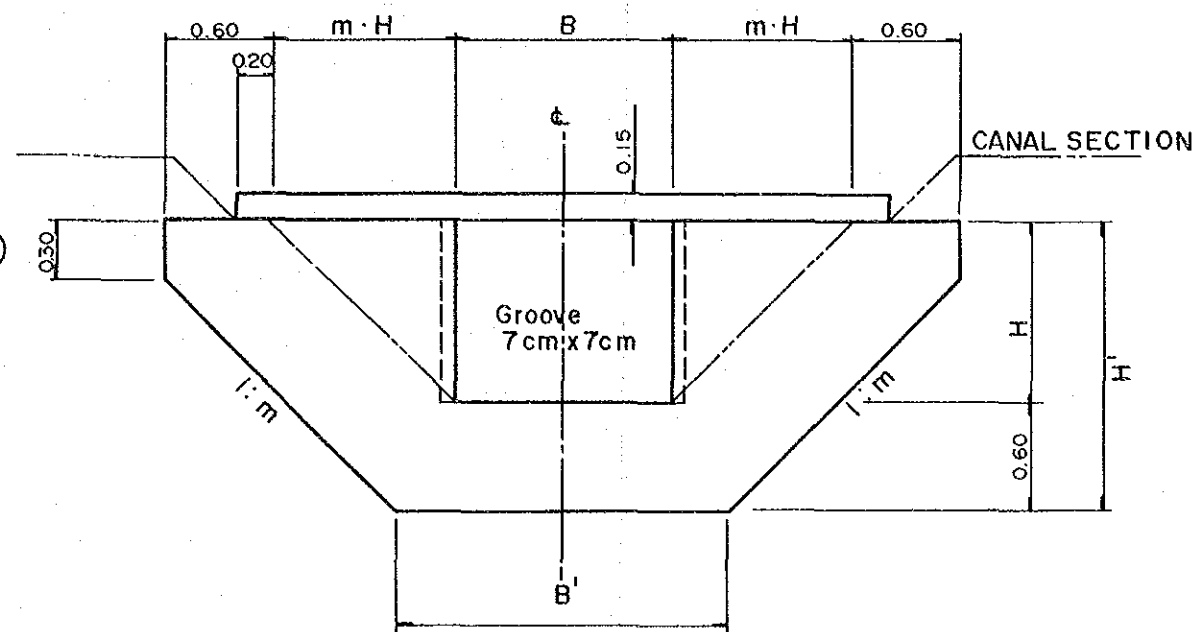
TYPICAL CROSS SECTION OF
 CANAL IMPROVEMENT

DATE	Oct., 1990.	DWG	J.2-15
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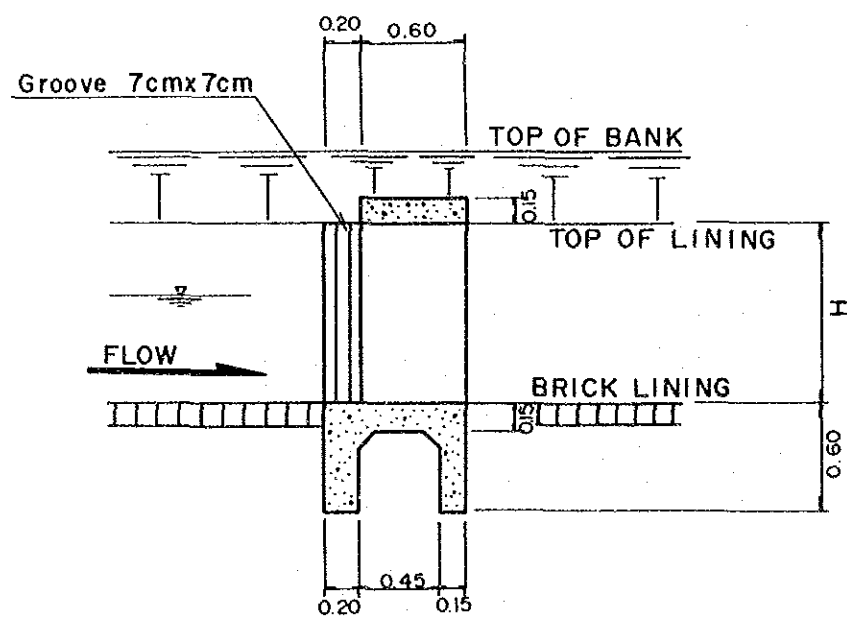
JAPAN INTERNATIONAL COOPERATION AGENCY.



PLAN
SCALE 1:40



SECTION B-B
SCALE 1:40



SECTION A-A
SCALE 1:40

DIMENSION TABLE

TYPE	B (m)	B ₁ (m)	H (m)	H ₁ (m)	W (m)	m
CH-1	2.00	2.25	1.20	1.80	6.00	1.5
CH-2	2.00	2.25	1.20	1.60	5.40	1.5
CH-3	1.20	1.45	0.90	1.50	4.30	1.5

THE REPUBLIC OF HONDURAS.
MINISTRY OF NATURAL RESOURCES
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RESOURCES.

THE FEASIBILITY STUDY ON REHABILITATION OF
COYLAR DAM AND IRRIGATION IMPROVEMENT
PROJECT IN COMAYAGUA VALLEY.

STOP-LOG

DATE | Oct., 1990 | DWG | -16

JAPAN INTERNATIONAL COOPERATION AGENCY.

