

国際協力事業団

ラオス人民民主共和国

農林省

No. 1

ラオス人民民主共和国
サバナケート農業総合開発計画
基本設計調査報告書

図 面 集

平成5年9月

国際航業株式会社

無 調 一

C R (2)

93-161

基本設計図目次

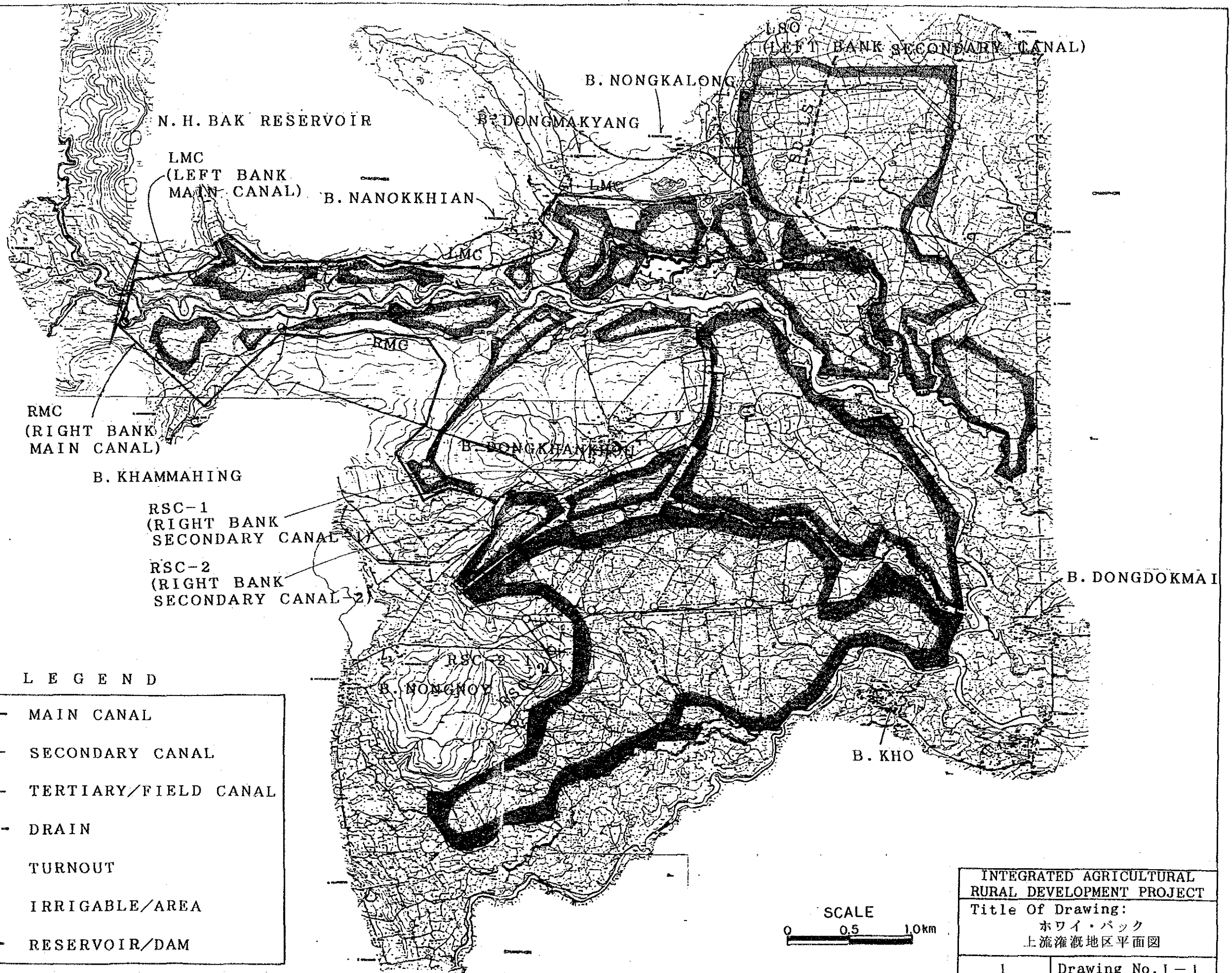
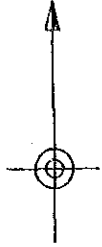
JICA LIBRARY



1116681(6)

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61	R-25	鋼桁鉄筋コンクリート橋 (ルートC No.1+900)
62	R-26	橋台部護岸工 (ルートC No.1+900)
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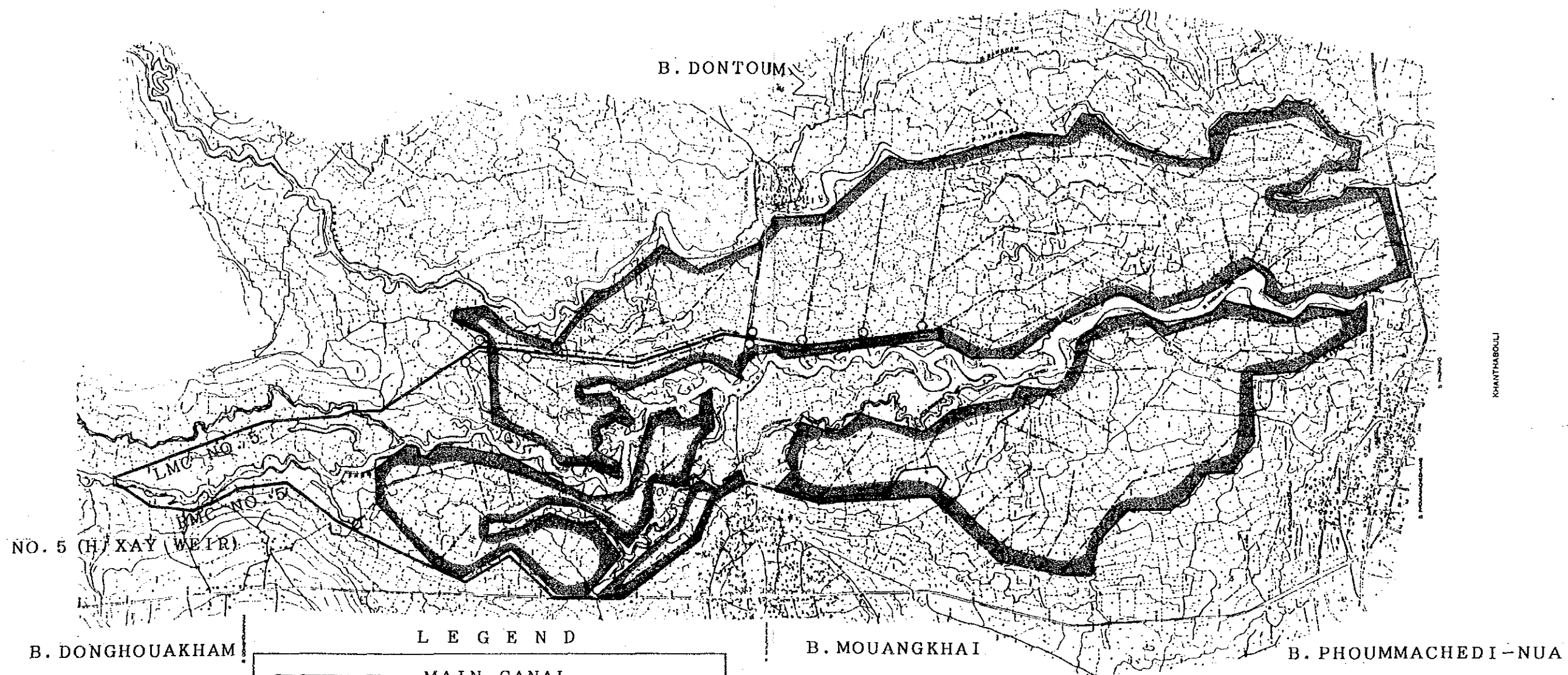
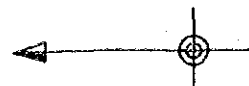


L E G E N D

	MAIN CANAL
	SECONDARY CANAL
	TERTIARY/FIELD CANAL
	DRAIN
	TURNOUT
	IRRIGABLE/AREA
	RESERVOIR/DAM



INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・バック 上流灌漑地区平面図	
1	Drawing No. 1-1



L E G E N D

	MAIN CANAL
	SECONDARY CANAL
	TERTIARY/FIELD CANAL
	TURNOUT
	IRRIGABLE/AREA
	WEIR

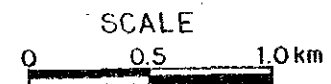
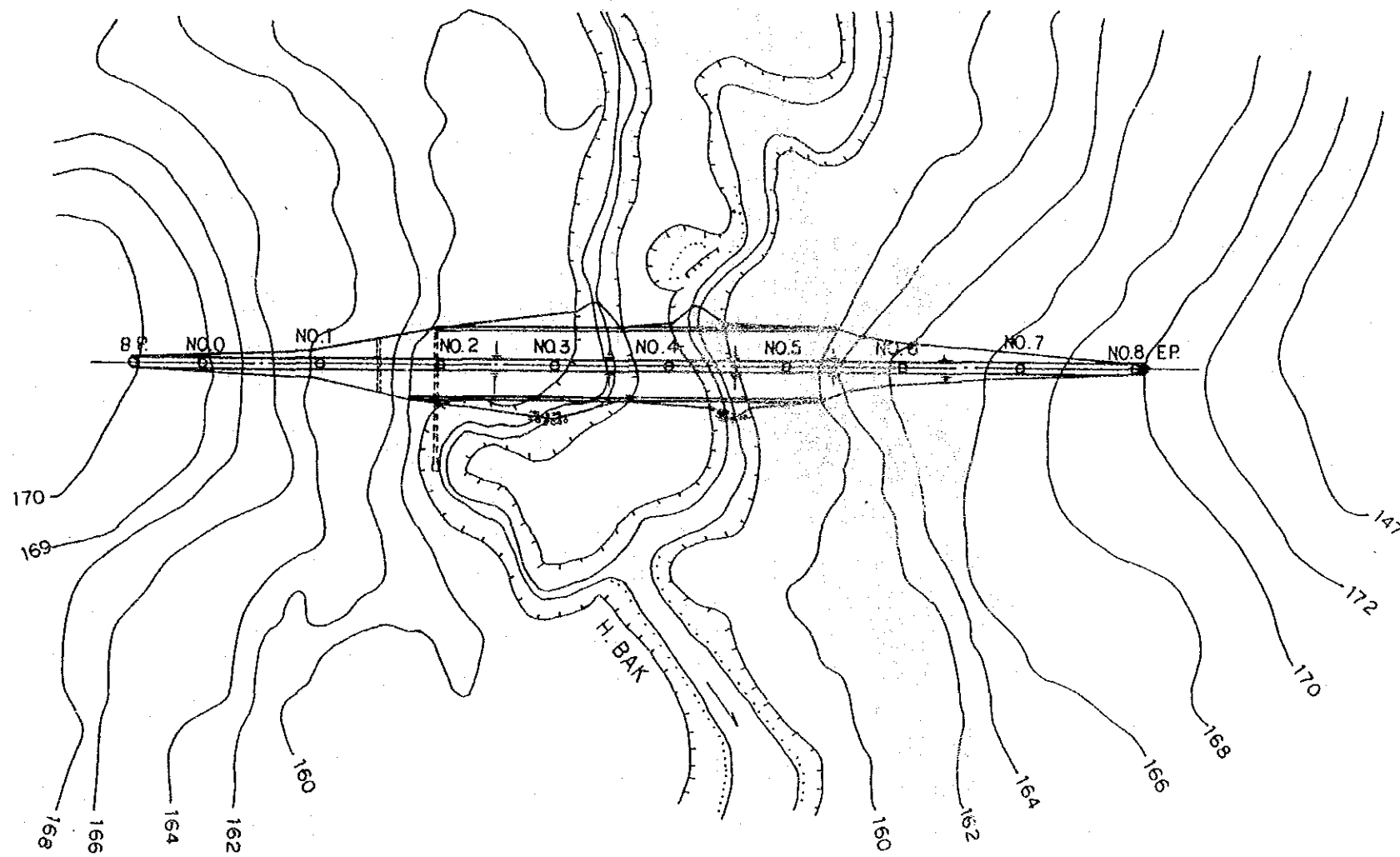
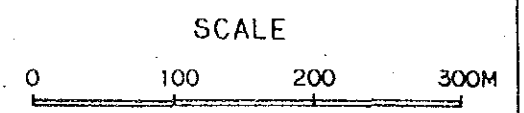


FIG. VII-12 GENERAL LAYOUT OF IRRIGATION & DRAINAGE FACILITIES
(NAMPHOU IRRIGATION AREA)

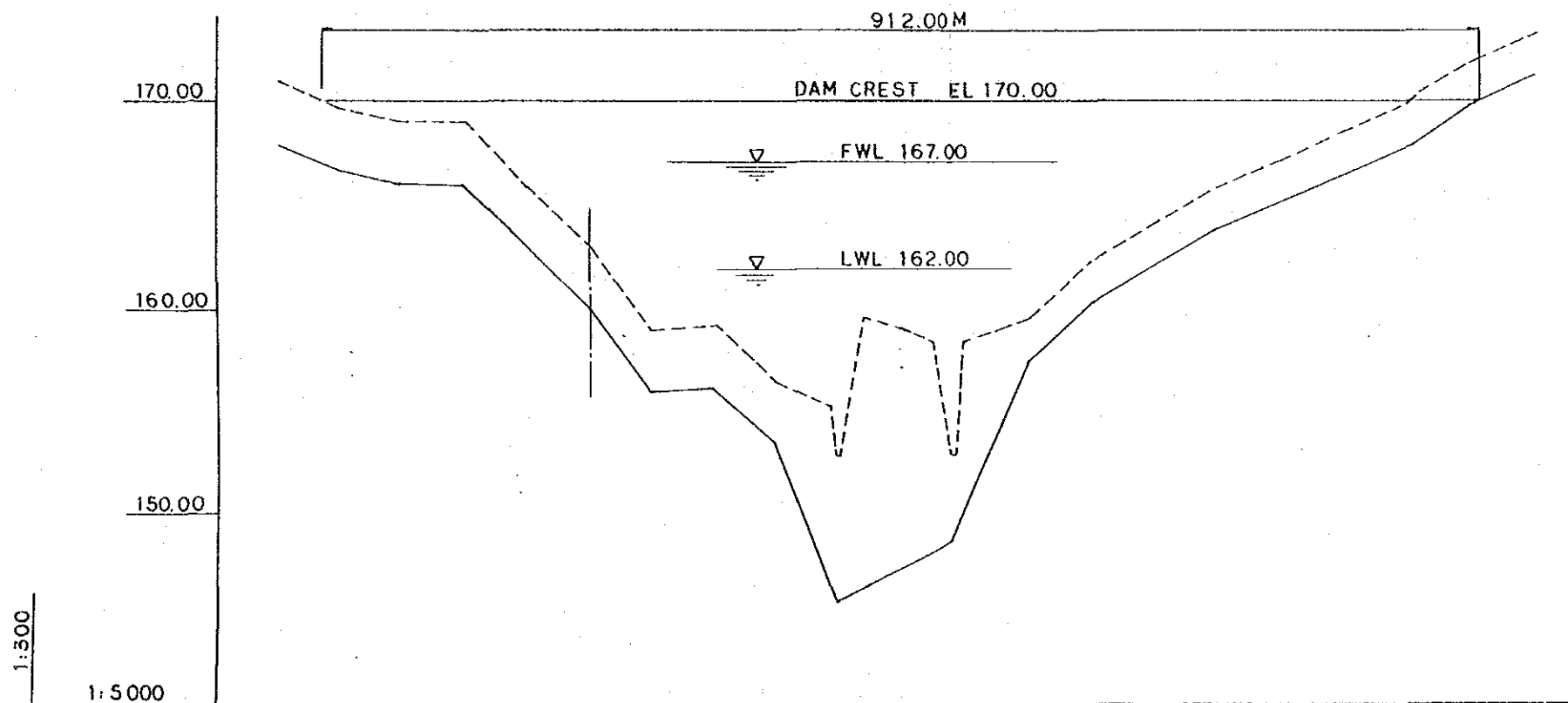
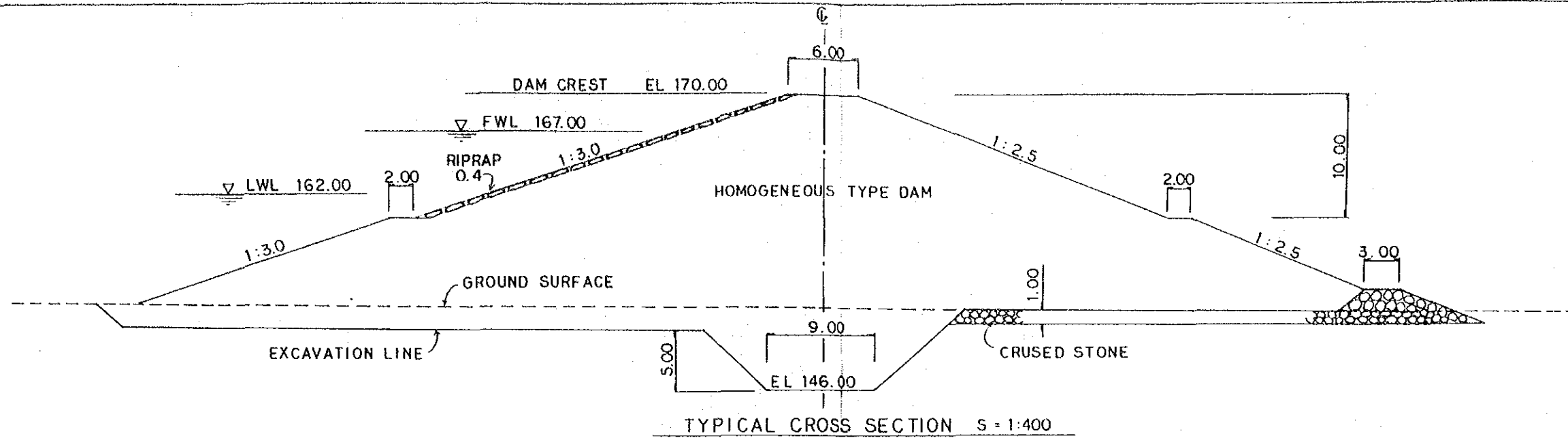
INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・サイ 上流灌漑地区平面図	
2	Drawing No. 1-2



RESERVOIR PLAN S = 1:5000



INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・バック上流ダム 平面図	
3	Drawing No. 1-3



GROUND ELEVATION	170.95	170.00	169.70	169.10	169.08	166.00	163.08	159.10	159.26	156.36	155.27	153.00	159.64	159.16	152.89	158.80	159.50	162.34	164.17	165.81	167.16	168.68	169.97	170.00	171.78	173.14
ACCUMULATE DISTANCE		0	12	62	112	162	212	262	312	362	412	462	503.7	512	562	612	662	712	762	812	862	863				
DISTANCE	0	38	12	50	50	50	50	50	50	50	42.5	7.5	20.0	30.0	41.7	8.3	50	50	50	50	50	50	50	49	50	
STATION	100	BP	50	NO.0		NO.1		NO.2		NO.3	NO.3	50	NO.4	NO.4	41.7	8.3	NO.5		NO.6		NO.7		NO.8	EP	NO.9	

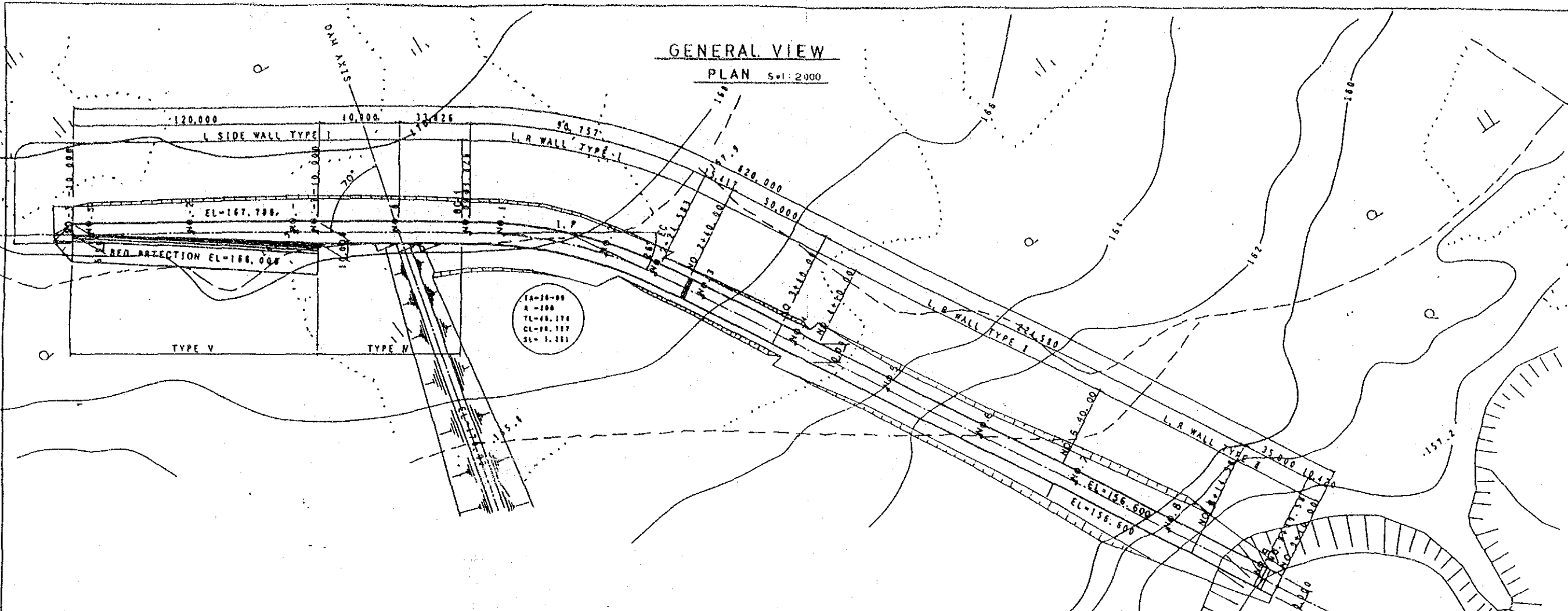
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT

Title Of Drawing:
ホワイ・バック上流ダム
断面図、縦断面図

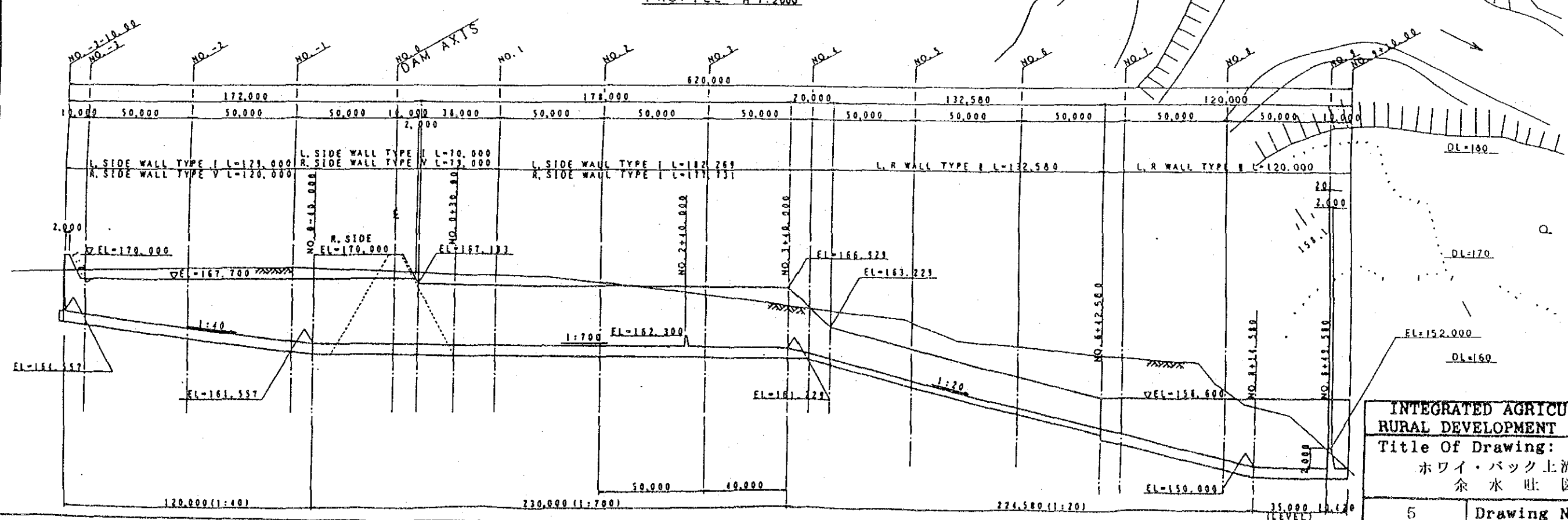
4 Drawing No. I-4

GENERAL VIEW

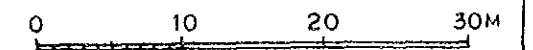
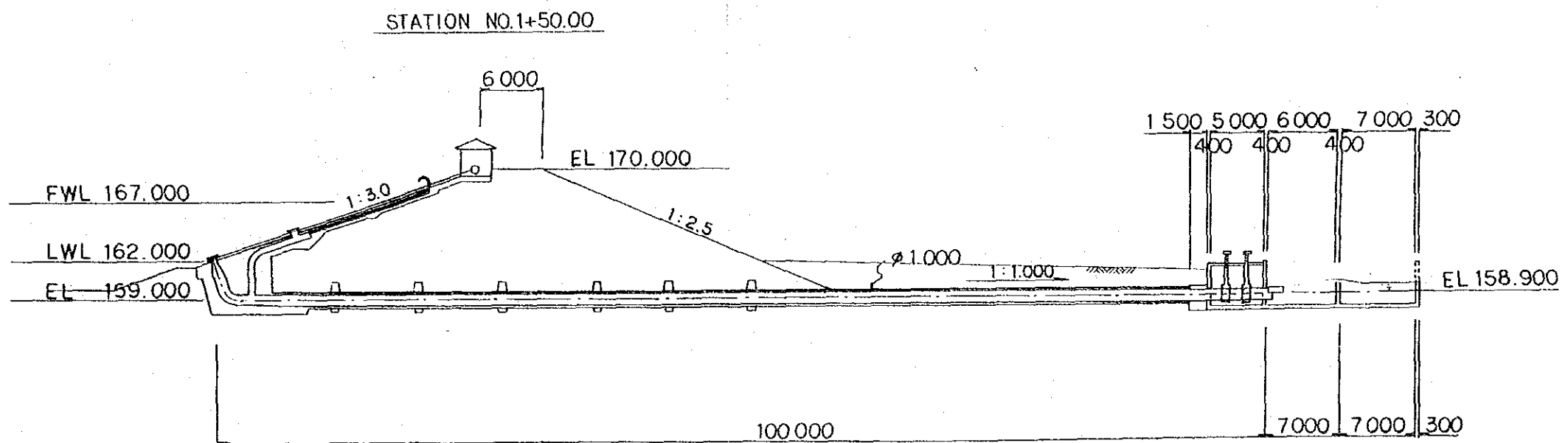
PLAN Scale: 2,000



PROFILE V I: 400 H I: 2000

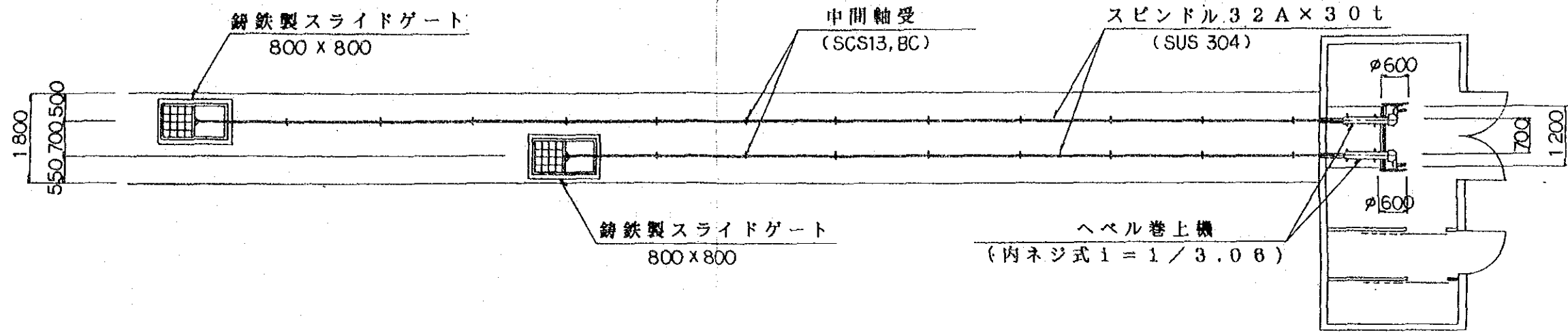


INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・バック上流ダム
余水吐図
5 Drawing No. 1-5

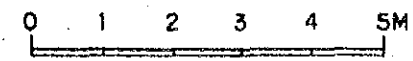
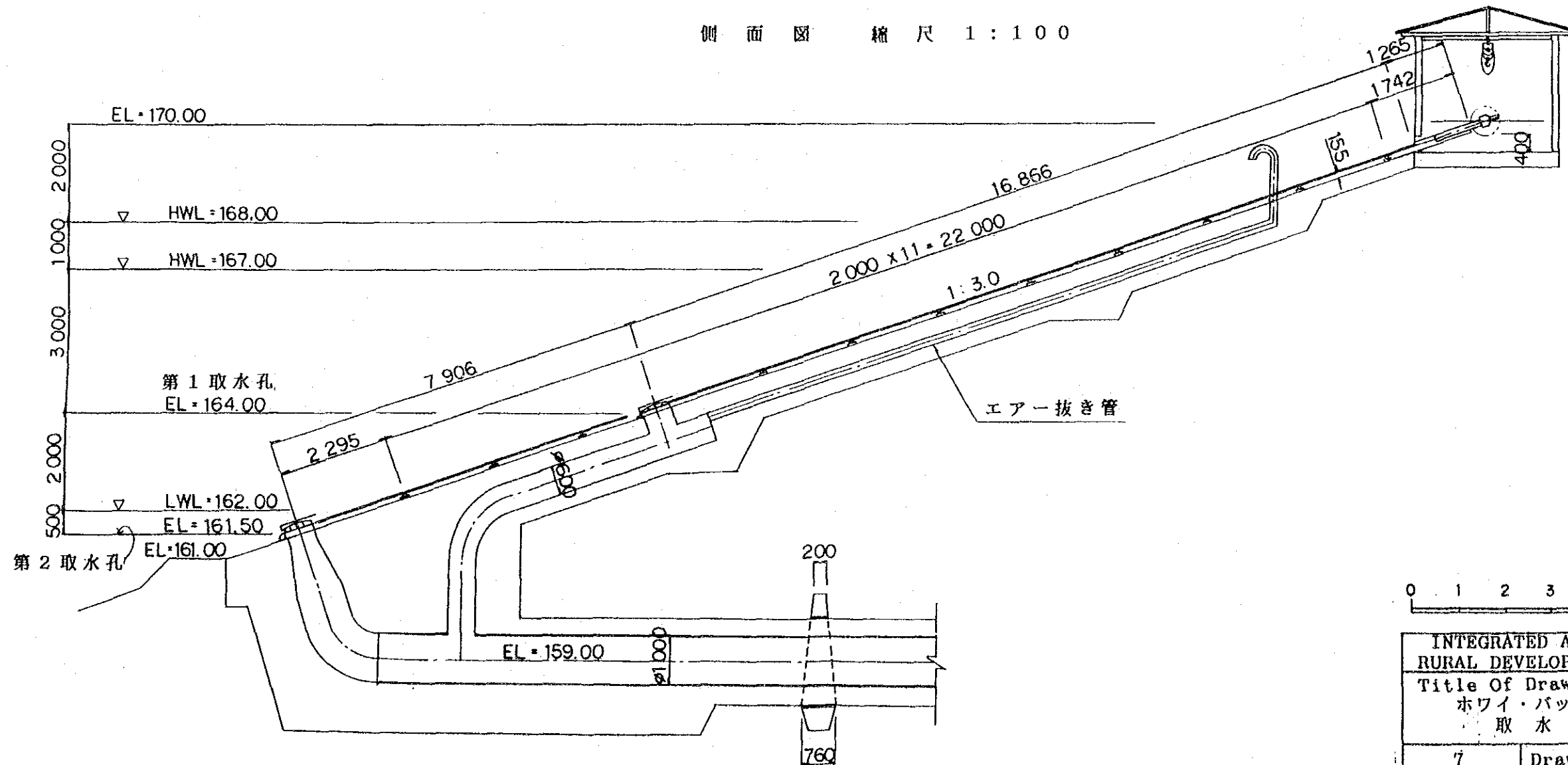


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・バック上流ダム 取水設備	
8	Drawing No. I-6

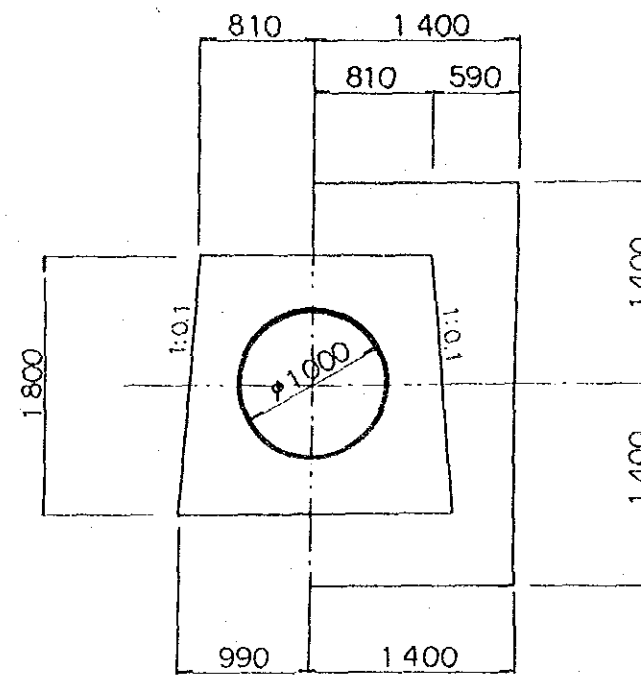
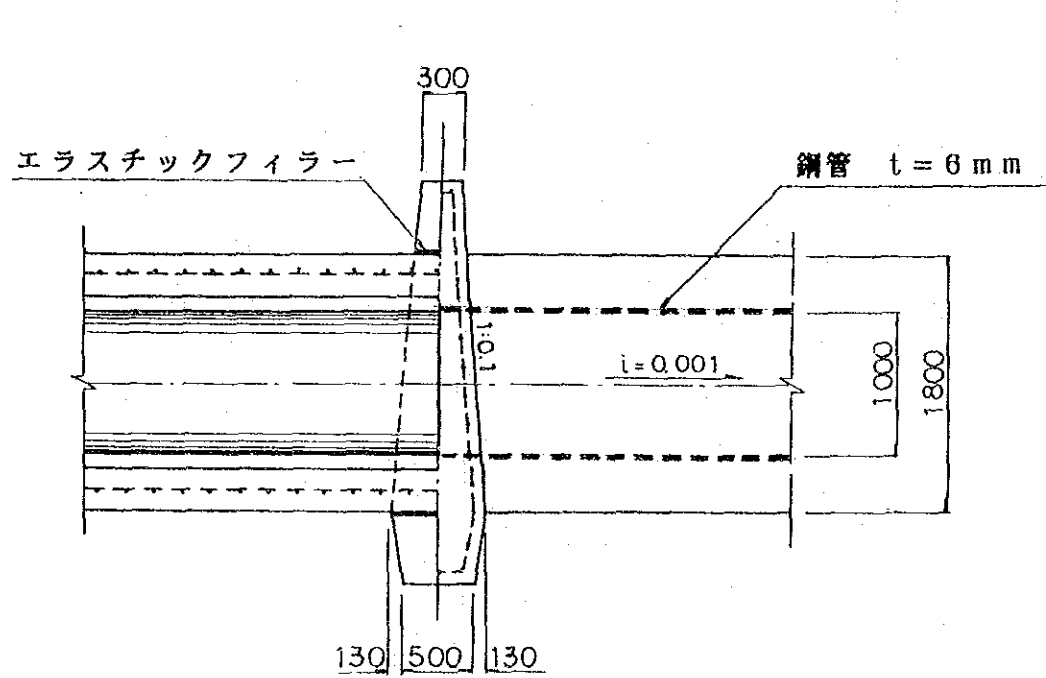
平面図 縮尺 1:100



側面図 縮尺 1:100



INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・バック上流ダム 取水部図	
7	Drawing No. I-7



SCALE

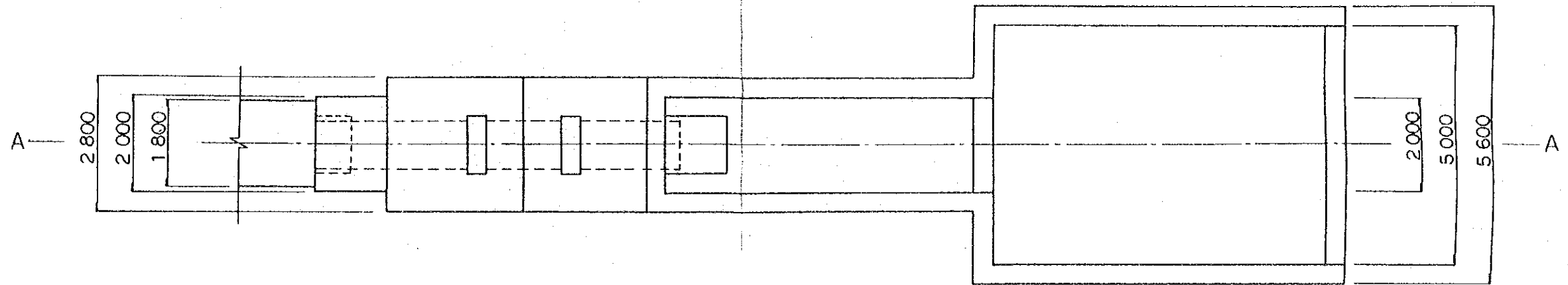
0 1 2M

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT

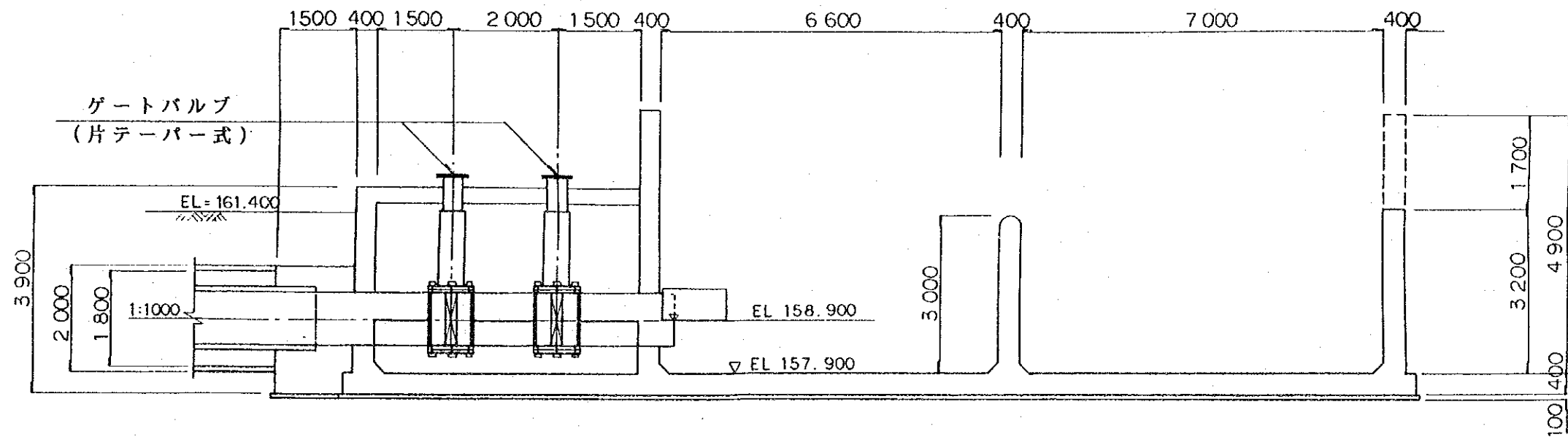
Title Of Drawing:
ホワイ・バック上流ダム
止水壁図

8 Drawing No. I-8

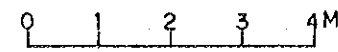
平面図



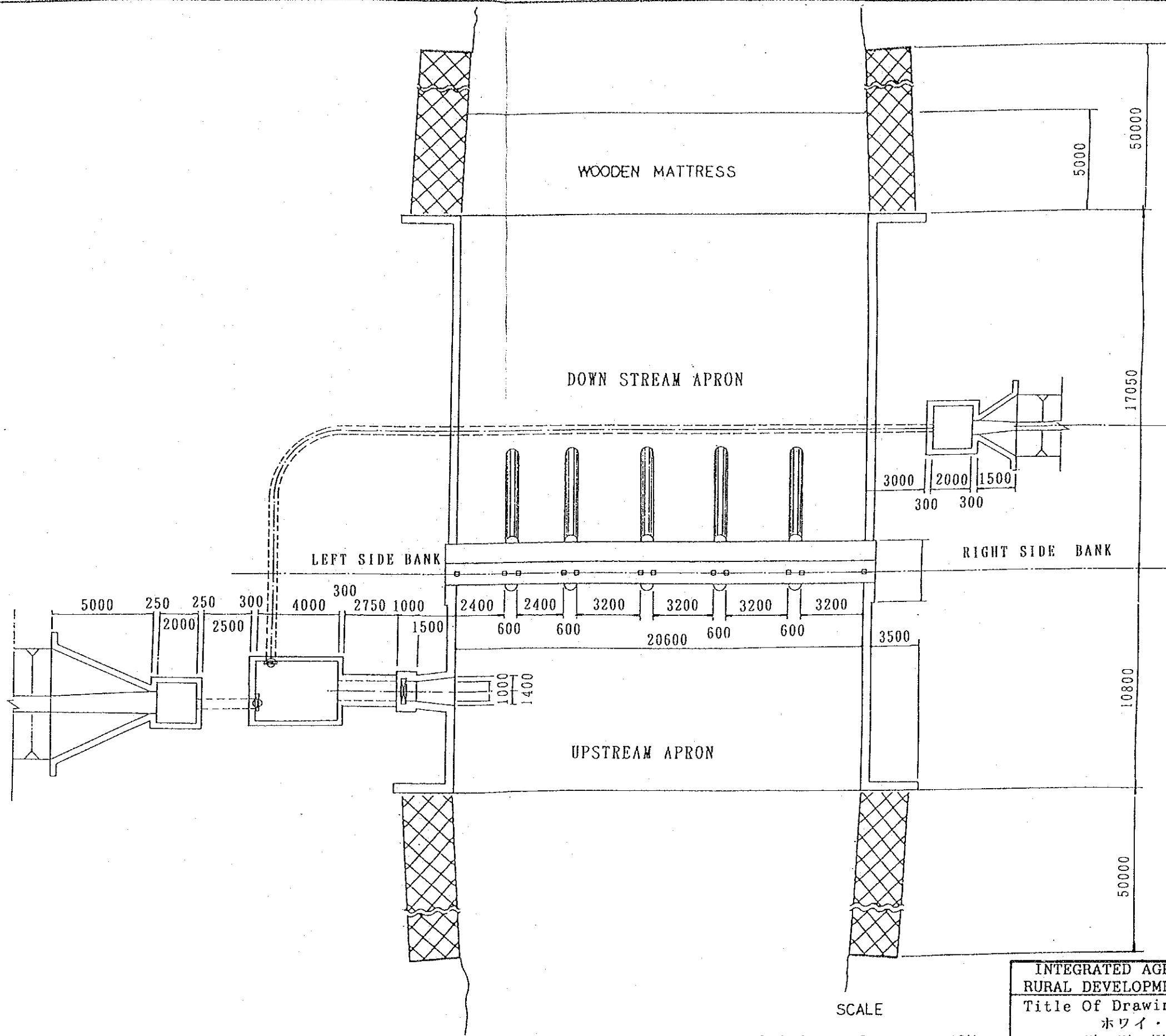
A-A 断面



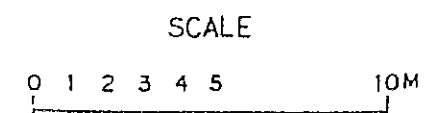
SCALE



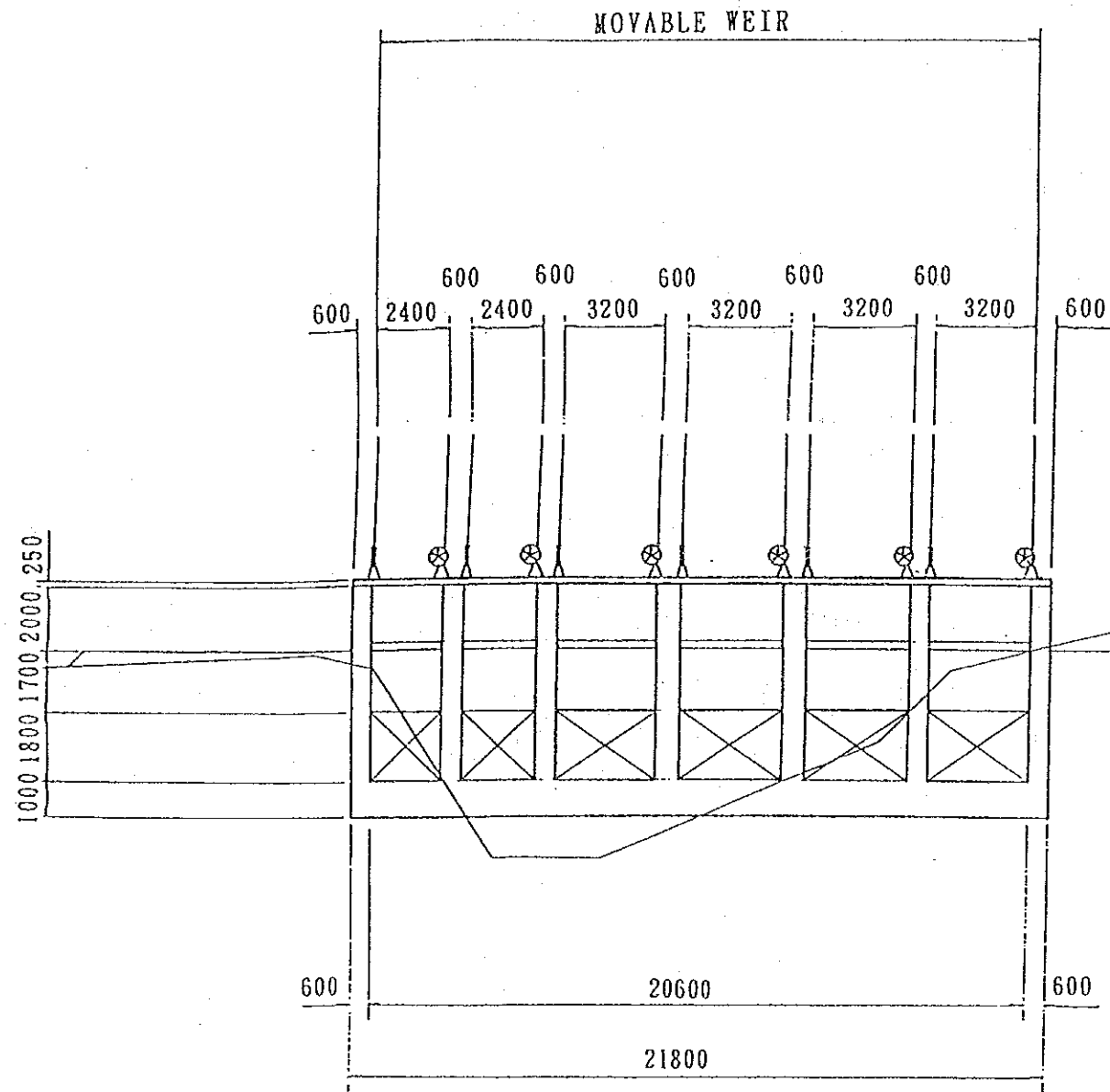
INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・バック上流ダム 調節部図	
9	Drawing No. 1-9



P L A N

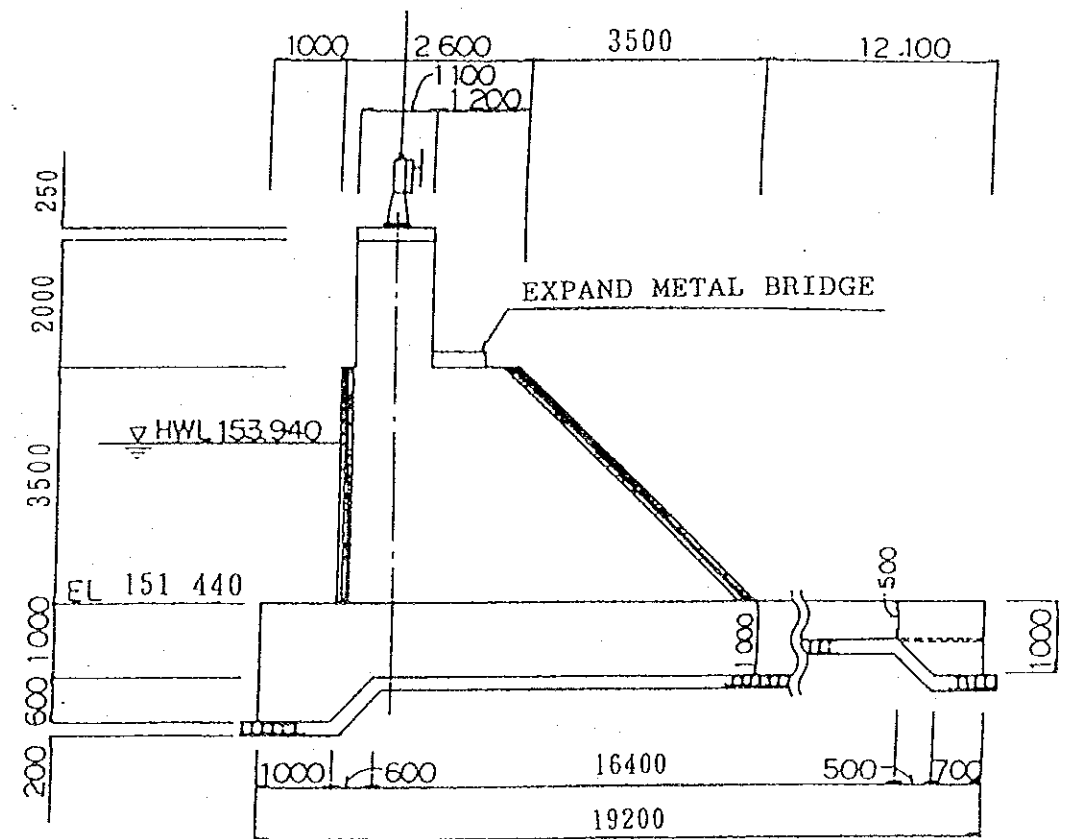


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・サイ堰 平面図 (1/4)	
10	Drawing No. I-10



PROFILE

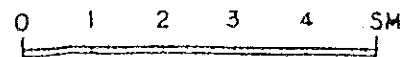
SCALE - B



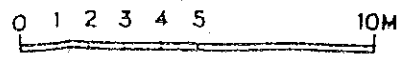
GATED WEIR SECTION

SCALE - A

SCALE - A

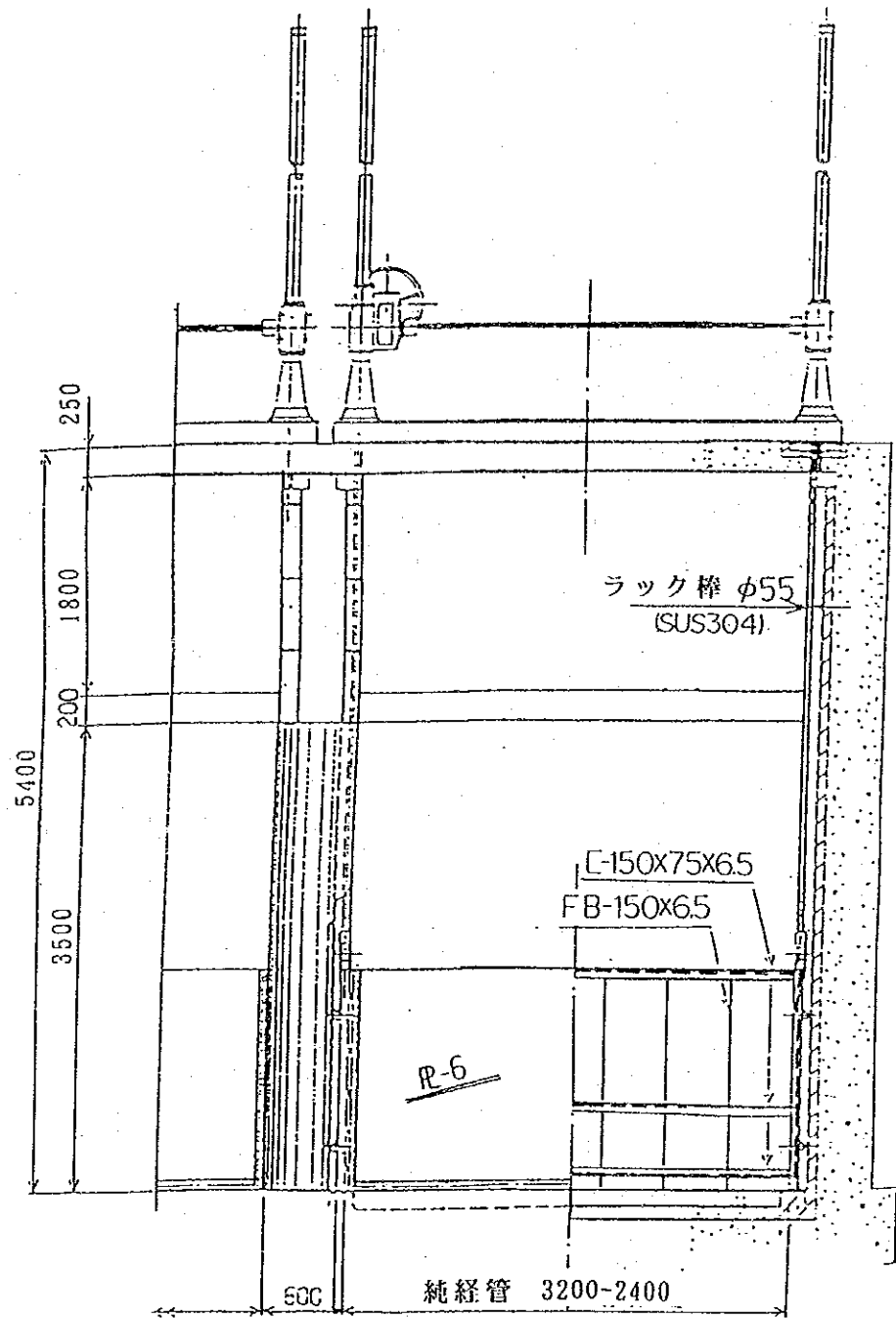


SCALE - B

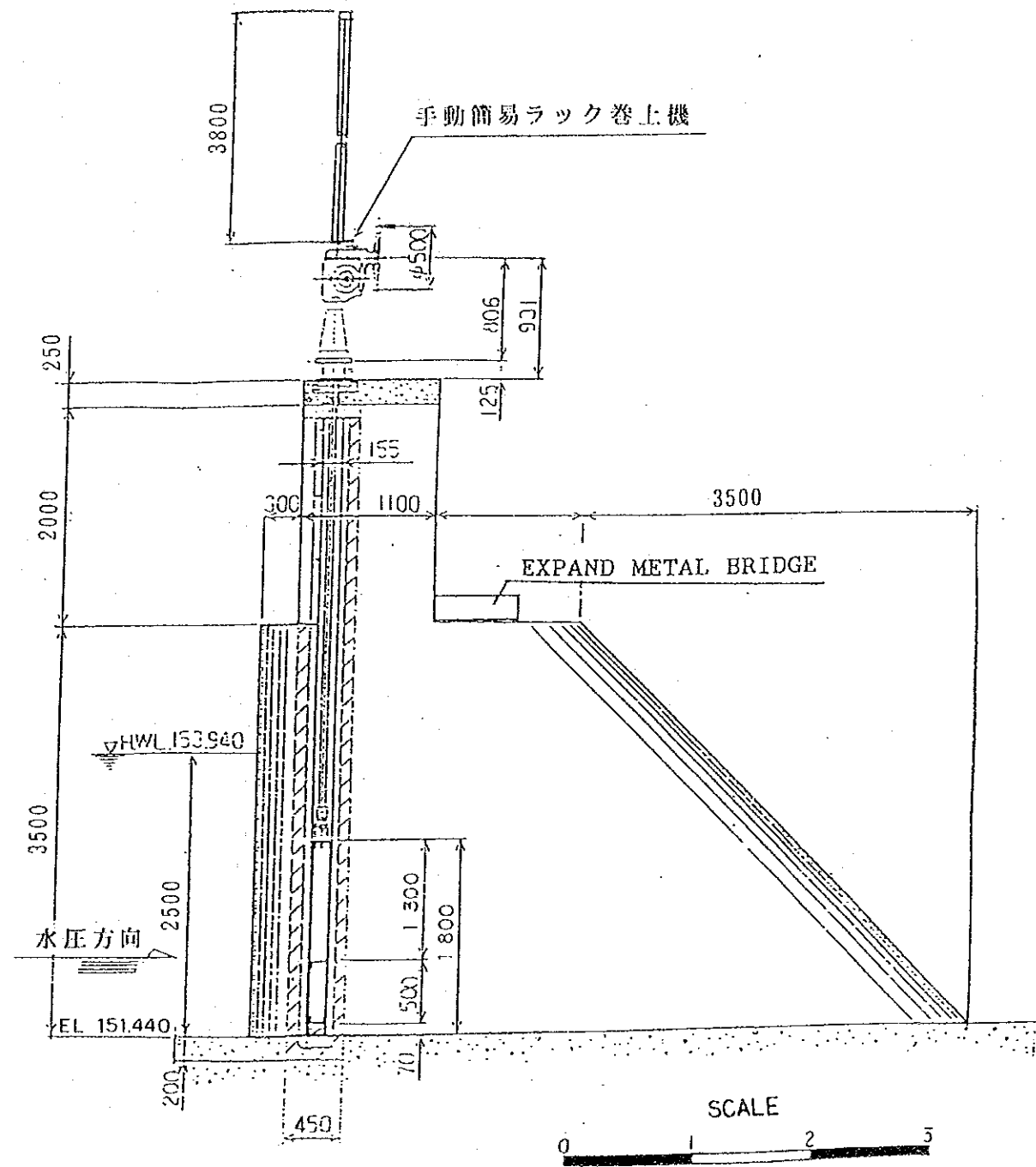


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・サイ堰 正面図、堰柱断面図 (2/4)	
11	Drawing No. I-11

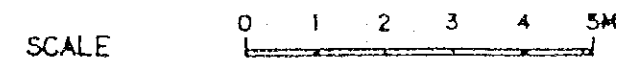
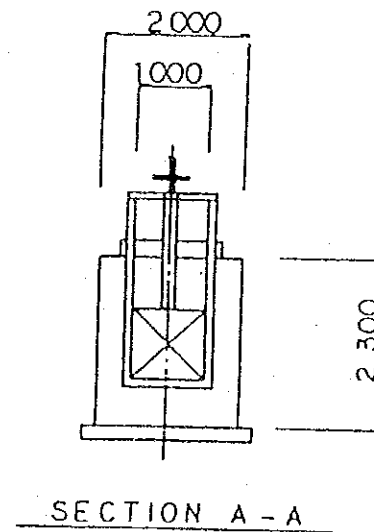
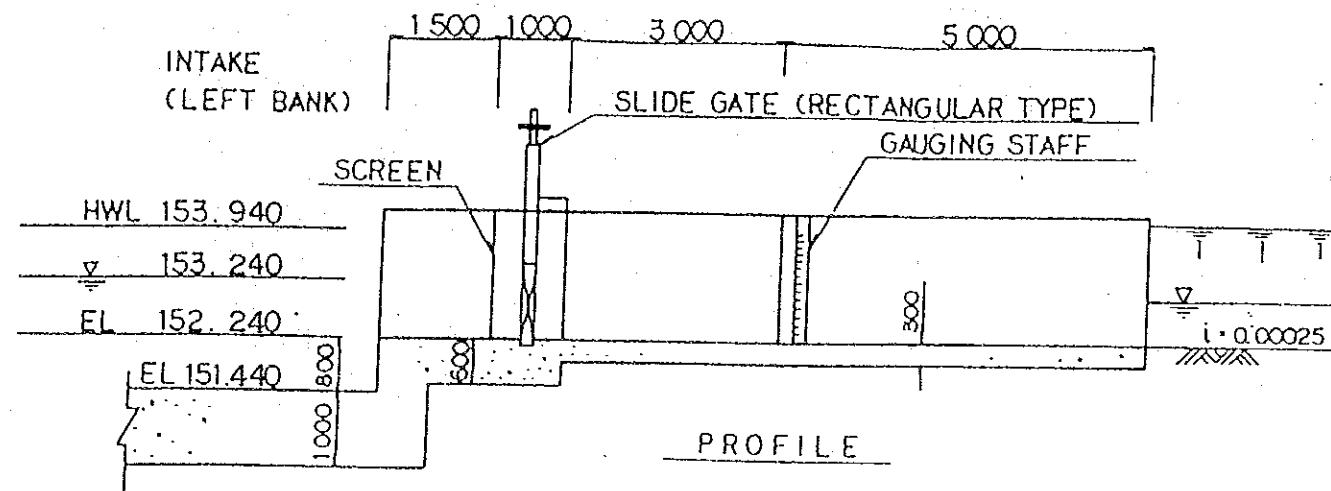
正面図



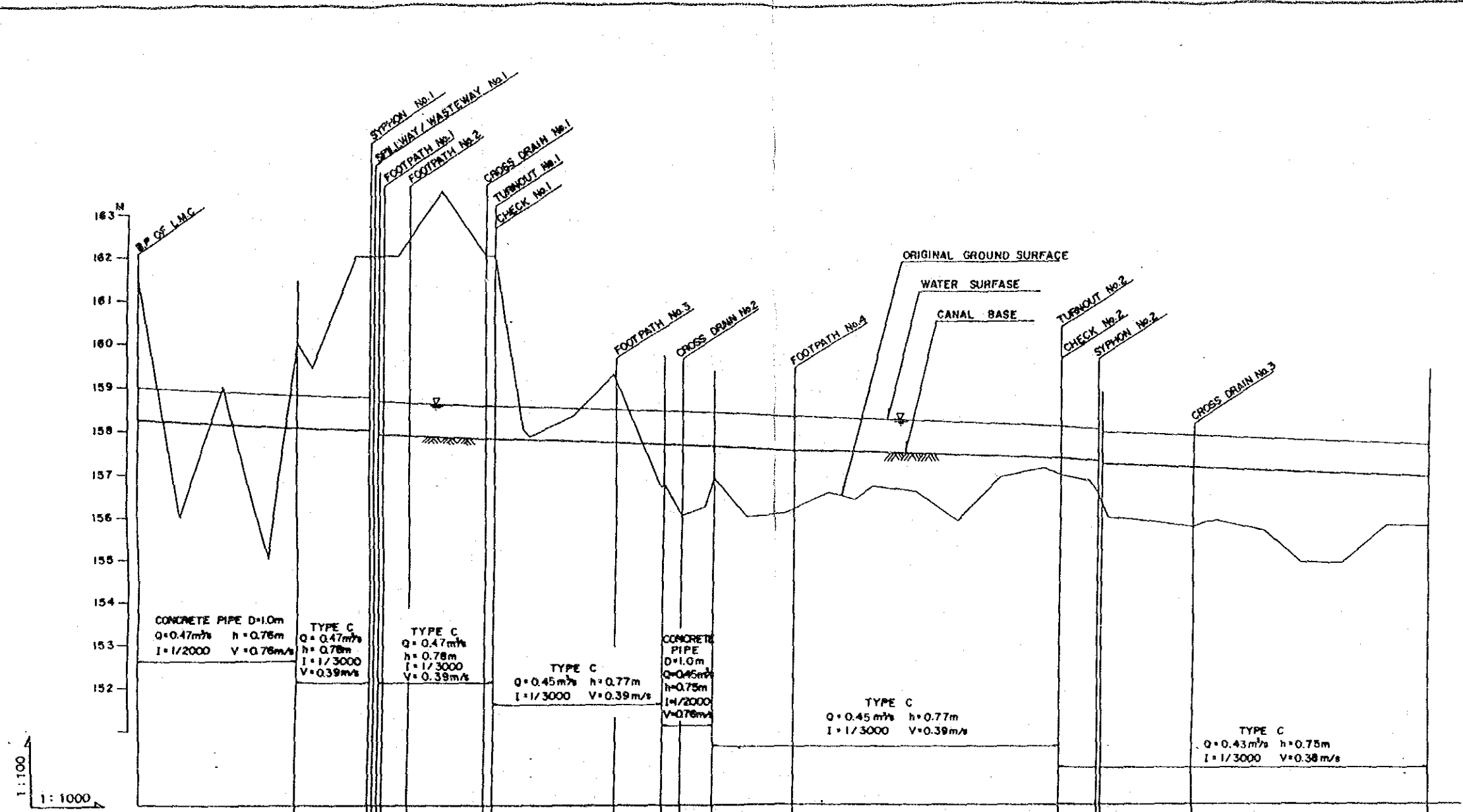
断面図



INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing:	
ホワイ・サイ堰 可動堰図 (3/4)	
12	Drawing No. I-12

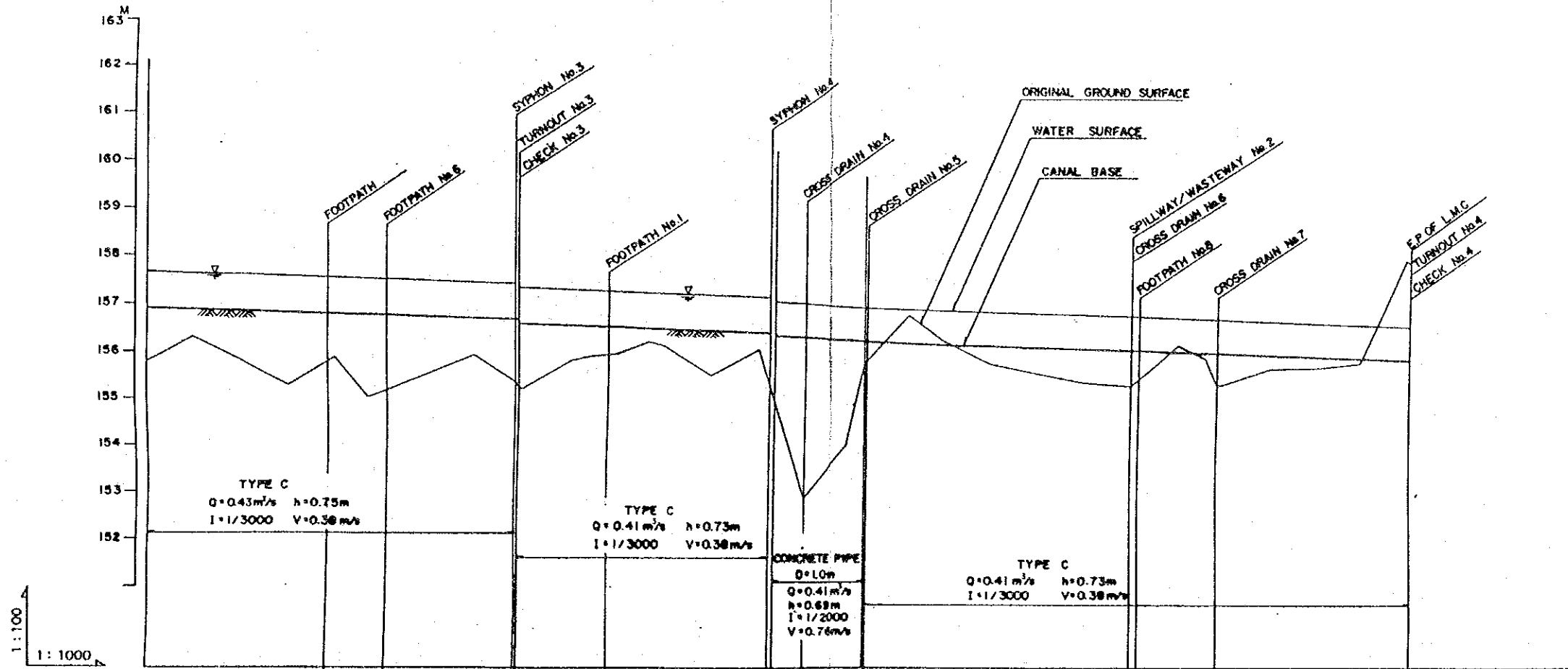


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: ホワイ・サイ堰 取入れ口図 (4/4)	
13	Drawing No. I-13

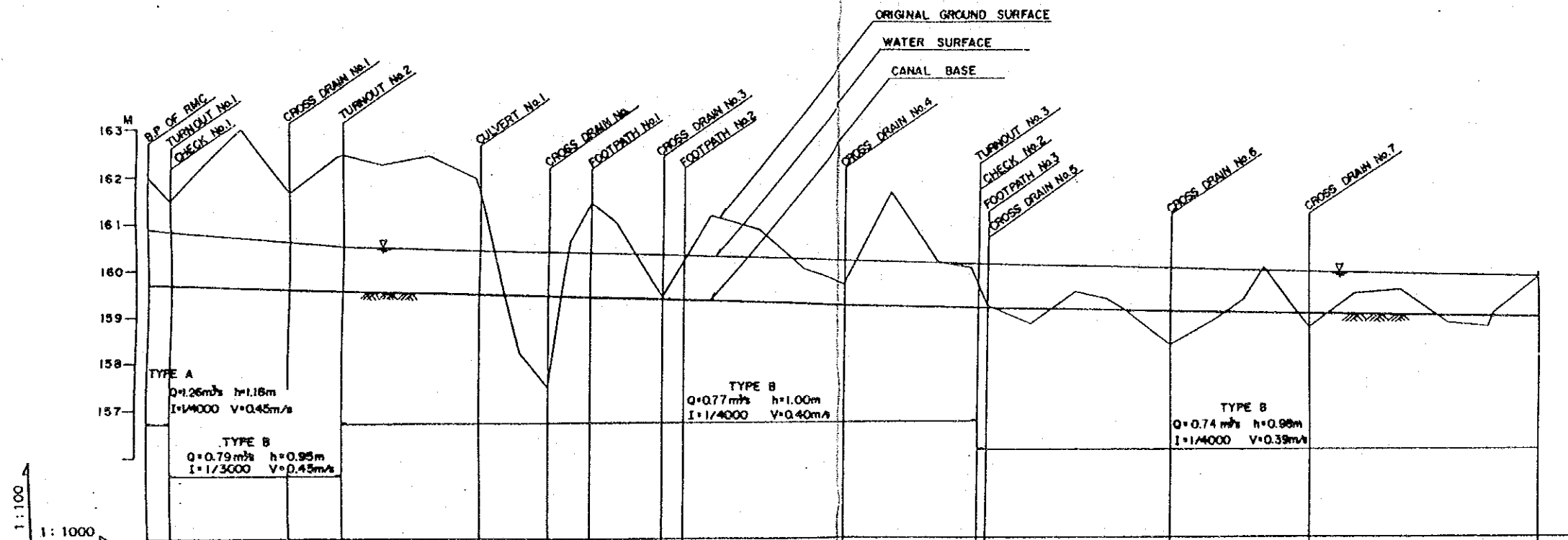


STATION	DISTANCE	ACCUMULATED DISTANCE	ORIGINAL GROUND SURFACE	CANAL BASE ELEVATION	WATER SURFACE ELEVATION
No.0	000.00	000.00	161.50	156.24	159.00
No.1	100.00	100.00	156.00	158.19	158.95
No.2	100.00	200.00	159.00	158.14	158.90
No.3	100.00	300.00	155.00	158.09	158.85
No.3+66	66.00	366.00	160.00	158.04	158.80
No.4	34.00	400.00	159.43	158.03	158.79
No.5	100.00	500.00	162.00	158.00	158.78
No.5+21	21.00	521.00	157.96	157.96	158.76
No.5+32	32.00	553.00	158.00	157.97	158.75
No.5+33	33.00	586.00	157.96	157.96	158.74
No.5+34	34.00	620.00	157.96	157.96	158.73
No.6+24	24.00	644.00	157.83	157.84	158.62
No.7	76.00	720.00	163.48	157.82	158.60
No.8	100.00	820.00	162.00	157.79	158.57
No.8+18	18.00	838.00	158.23	157.68	158.43
No.8+19	19.00	857.00	158.14	157.68	158.43
No.8+19.5	19.50	876.50	158.00	157.60	158.42
No.8+20	20.00	896.00	157.96	157.60	158.41
No.8+21	21.00	917.00	157.96	157.59	158.40
No.8+22	22.00	939.00	158.00	157.59	158.39
No.8+23	23.00	962.00	158.00	157.57	158.38
No.14	780.00	1400.00	155.97	157.55	158.32
No.15	1000.00	2000.00	156.07	157.52	158.29
No.15+20	20.00	2020.00	156.15	157.51	158.28
No.16	80.00	1600.00	156.53	157.49	158.26
No.16+60	60.00	1660.00	156.38	157.47	158.24
No.17	40.00	1700.00	156.67	157.46	158.23
No.18	100.00	1800.00	156.56	157.42	158.19
No.19	100.00	1900.00	156.89	157.38	158.15
No.20	100.00	2000.00	156.88	157.35	158.12
No.21	100.00	2100.00	157.09	157.32	158.09
No.21+34	34.00	2134.00	156.93	157.30	158.07
No.22	66.00	2200.00	157.77	157.25	158.00
No.22+18	18.00	2218.00	157.74	157.24	157.99
No.22+19	19.00	2237.00	157.83	157.24	157.98
No.23	55.00	2300.00	155.91	157.14	157.89
No.24	100.00	2400.00	156.81	157.11	157.86
No.24+43	43.00	2443.00	155.74	157.10	157.85
No.24+74	74.00	2517.00	155.86	157.09	157.84
No.25	28.00	2545.00	155.89	157.08	157.83
No.26	100.00	2650.00	155.69	157.05	157.80
No.26+10	10.00	2660.00	155.67	157.04	157.79
No.27	90.00	2750.00	154.92	157.01	157.76
No.27+60	60.00	2810.00	154.91	156.99	157.74
No.28	40.00	2850.00	154.92	156.98	157.73
No.29	100.00	2950.00	155.78	156.96	156.70
No.30	100.00	3050.00	156.76	156.91	157.66

INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT
 Title Of Drawing:
 ホワイ・バック
 左幹線用水路縦断図 (1/2)
 1.4 Drawing No.1-14



WATER SURFACE ELEVATION	157.66	157.63	157.60	157.56	157.53	157.51	157.50	157.49	157.46	157.42	157.40	157.39	157.38	157.30	156.99	156.90	156.88	156.88	156.88	156.85	156.83	156.84	156.83	156.59	156.52	156.49								
CANAL BASE ELEVATION	156.91	156.88	156.85	156.81	156.78	156.76	156.75	156.74	156.71	156.67	156.65	156.67	156.64	156.55	156.28	156.21	156.19	156.18	156.15	156.12	156.09	156.06	156.02	155.99	155.96	155.95	155.92	155.91	155.90	155.89	155.84	155.82	155.79	155.78
ORIGINAL GROUND SURFACE	155.75	156.29	155.82	156.27	155.78	156.00	155.11	156.15	156.50	155.82	156.32	156.18	156.19	155.75	155.45	156.00	156.73	156.82	156.85	156.84	156.10	156.83	156.83	156.83	156.25	156.37	156.37	156.10	156.83	156.83	156.28	156.83	157.80	156.78
ACCUMULATED DISTANCE	0.00	100.00	200.00	300.00	394.00	484.00	574.00	664.00	754.00	844.00	934.00	1024.00	1114.00	1204.00	1294.00	1384.00	1474.00	1564.00	1654.00	1744.00	1834.00	1924.00	2014.00	2104.00	2194.00	2284.00	2374.00	2464.00	2554.00	2644.00	2734.00	2824.00	2914.00	
DISTANCE	100.00	100.00	100.00	100.00	84.00	90.00	90.00	100.00	100.00	100.00	90.00	90.00	70.00	30.00	100.00	100.00	70.00	60.00	100.00	100.00	100.00	100.00	100.00	100.00	14.00	86.00	90.00	90.00	15.00	100.00	100.00	100.00		
STATION	No. 30	No. 31	No. 32	No. 33	No. 34	No. 35	No. 36	No. 37	No. 38	No. 39	No. 40	No. 41	No. 42	No. 43	No. 44	No. 45	No. 46	No. 47	No. 48	No. 49	No. 50	No. 51	No. 52	No. 53	No. 54	No. 55	No. 56	No. 57						
CURVE	157°29'30" IP ₁					157°29'30"		157°29'30"		157°29'30" IP ₂			157°29'30" IP ₃			157°29'30" IP ₄		157°29'30" IP ₅																

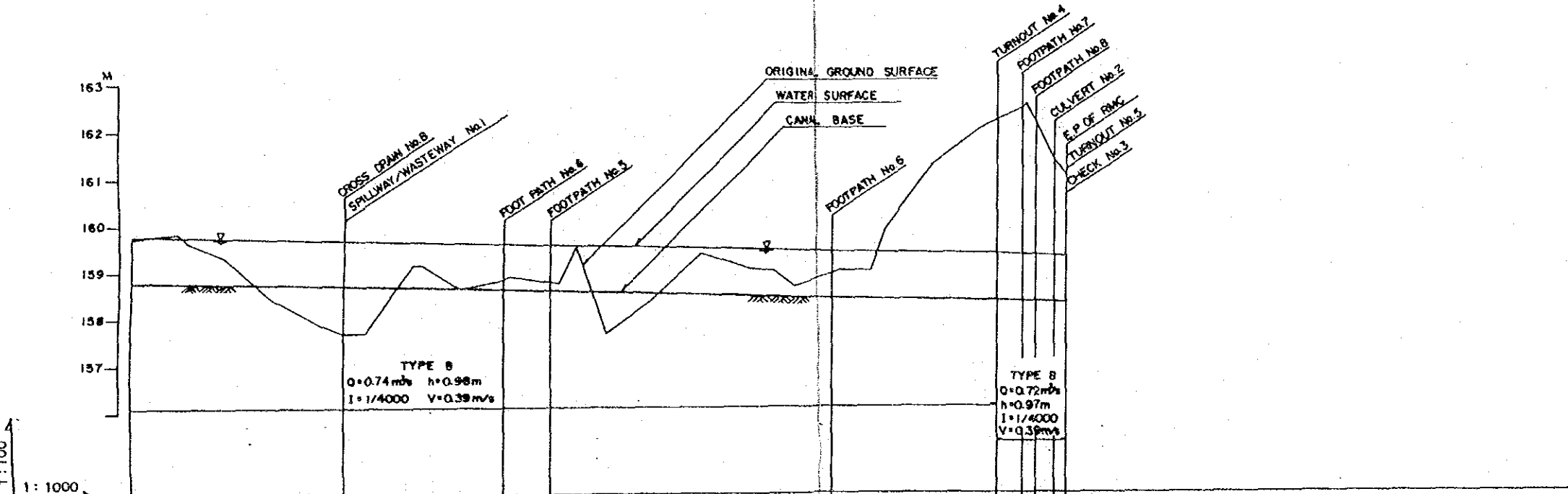


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WATER SURFACE ELEVATION	160.90	160.89	160.64	160.59	160.56	160.53	160.52	160.50	160.47	160.45	160.43	160.41	160.39	160.38	160.37	160.36	160.33	160.32	160.31	160.28	160.26	160.25	160.21	160.18	160.16	160.15	160.14	160.12	160.10	160.07	160.06	160.05	160.02	160.00	159.98	159.97	159.95	159.92	159.89	159.86	159.83	159.81		
CANAL BASE ELEVATION	159.72	159.71	159.69	159.67	159.64	159.61	159.59	159.56	159.53	159.52	159.50	159.47	159.45	159.43	159.41	159.39	159.38	159.37	159.36	159.33	159.32	159.31	159.28	159.26	159.18	159.16	159.15	159.14	159.12	159.09	159.08	159.07	159.04	159.02	159.00	158.98	158.97	158.95	158.92	158.89	158.86	158.83	158.81	
ORIGINAL GROUND SURFACE	162.00	161.50	162.00	163.00	161.67	162.40	161.05	161.43	158.20	157.42	160.52	161.39	160.98	159.36	160.15	161.11	160.80	160.00	159.67	161.60	160.14	160.00	160.14	160.18	160.00	159.65	159.18	158.80	159.47	159.33	159.14	158.35	158.92	159.33	160.00	158.71	159.43	159.50	158.80	158.72	159.00	159.76		
ACCUMULATED DISTANCE	000.00	50.00	100.00	200.00	300.00	400.00	414.00	500.00	600.00	700.00	710.00	800.00	855.00	900.00	945.00	1000.00	1100.00	1145.00	1200.00	1300.00	1400.00	1500.00	1600.00	1700.00	1720.00	1730.00	1740.00	1750.00	1800.00	1900.00	2000.00	2066.00	2100.00	2200.00	2300.00	2358.00	2400.00	2500.00	2600.00	2700.00	2800.00	2890.00	2900.00	3000.00
DISTANCE	000.00	50.00	50.00	100.00	100.00	100.00	14.00	86.00	100.00	100.00	10.00	90.00	55.00	45.00	45.00	55.00	100.00	45.00	55.00	100.00	100.00	100.00	100.00	75.00	12.00	10.00	9.00	95.00	100.00	66.00	34.00	100.00	100.00	58.00	42.00	100.00	100.00	90.00	10.00	100.00				
STATION	No.0	No.0+50	No.1	No.2	No.3	No.4	No.4+14	No.5	No.6	No.7	No.7+10	No.8	No.8+55	No.9	No.9+45	No.10	No.11	No.11+45	No.12	No.13	No.14	No.15	No.16	No.17	No.17+75	No.17+87	No.17+96	No.18+5	No.19	No.20	No.20+66	No.21	No.22	No.23	No.23+58	No.24	No.25	No.26	No.27	No.28	No.28+90	No.29	No.30	
CURVE											92°31'00"					135°28'30"					162°16'30"					161°53'00"					132°01'30"													

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・バック
右幹線用水路縦断面図 (1/2)
18 Drawing No. I-18

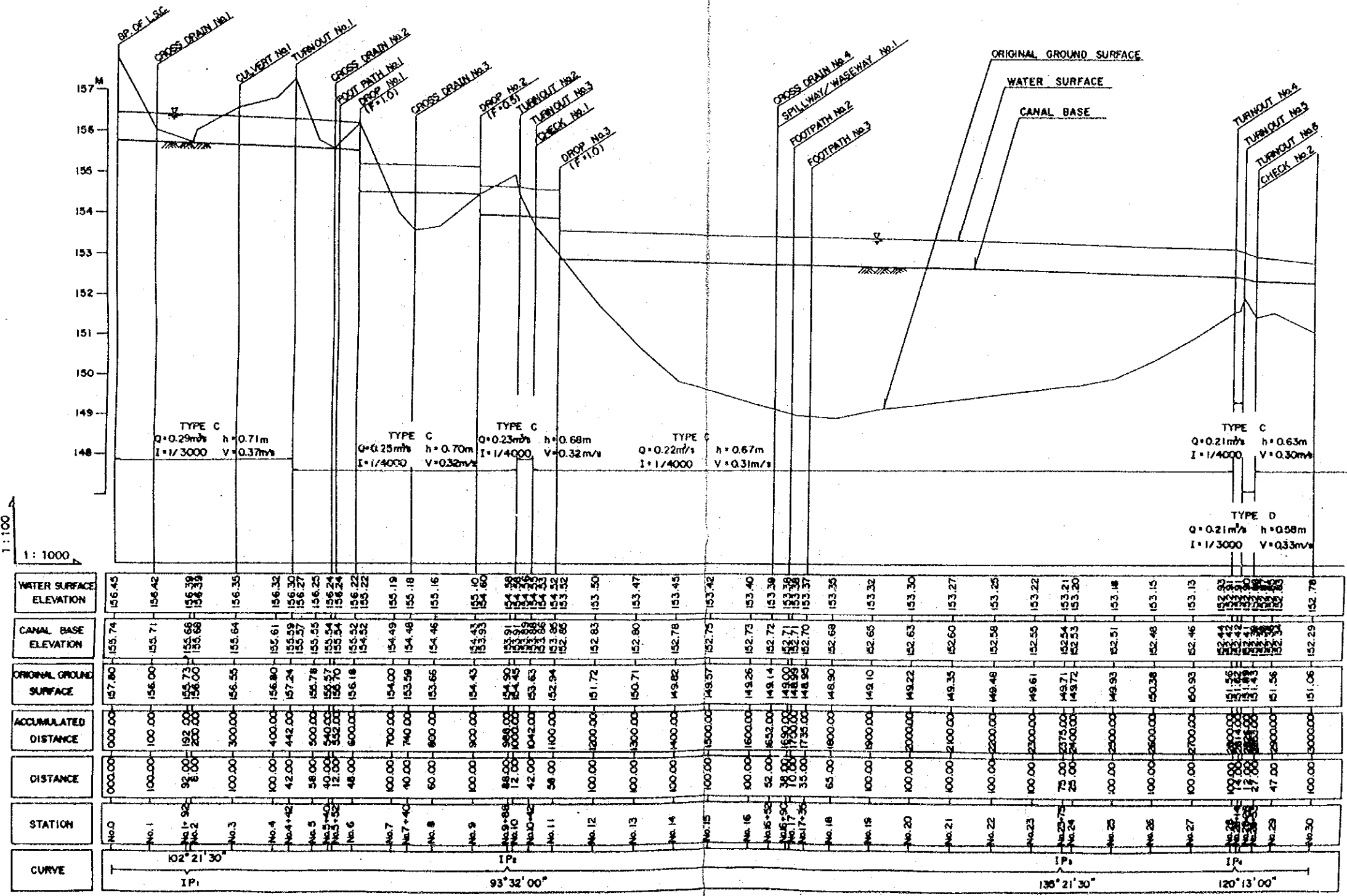
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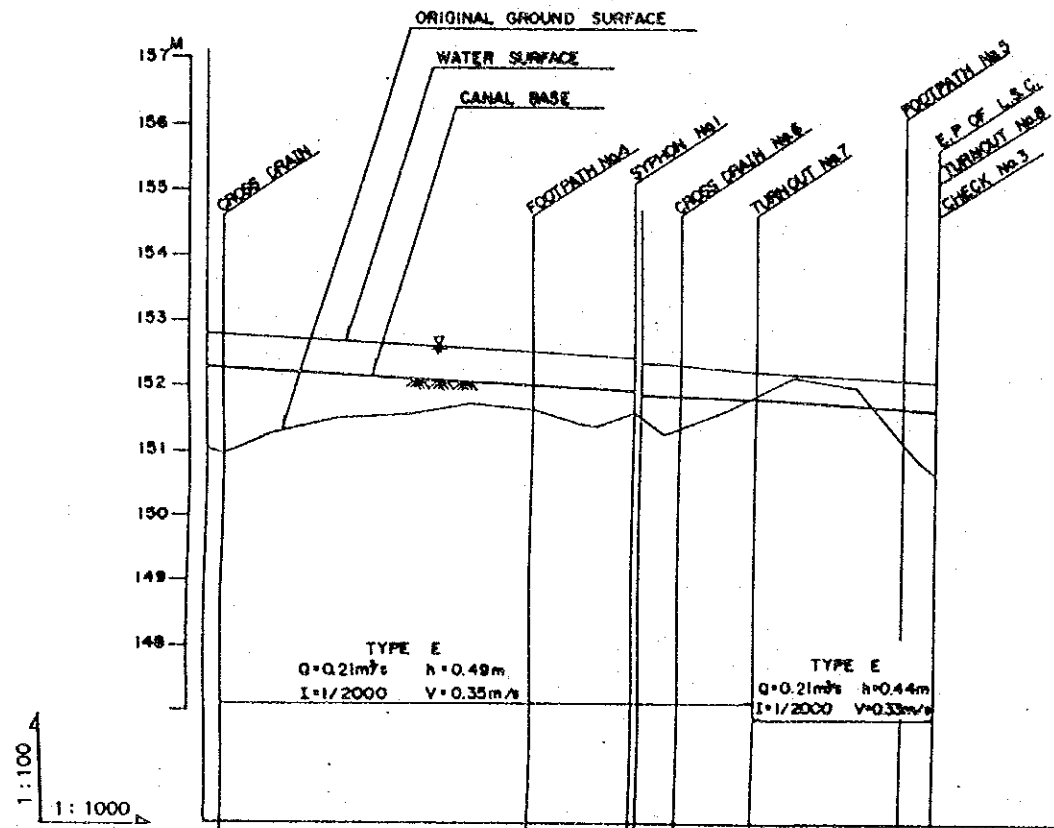
WATER SURFACE ELEVATION	CANAL BASE ELEVATION	ORIGINAL GROUND SURFACE	ACCUMULATED DISTANCE	DISTANCE	STATION	CURVE
159.81	158.83	159.76	300000	100.00	No.30	
159.79	158.81	158.85	310000	100.00	No.31	
159.78	158.80	159.83	312400	24.00	No.31-24	1P 126°27'30"
159.76	158.78	159.33	320000	76.00	No.32	
159.74	158.76	158.42	330000	100.00	No.33	
159.71	158.73	157.86	340000	100.00	No.34	
159.70	158.72	157.70	346000	60.00	No.34-50	
159.69	158.71	157.72	350000	40.00	No.35	
159.66	158.68	158.13	360000	100.00	No.36	
159.66	158.68	158.13	361800	18.00	No.36-18	1P 156°04'00"
159.64	158.66	158.42	370000	82.00	No.37	
159.61	158.63	158.84	377000	70.00	No.37-67	
159.61	158.63	158.88	380000	30.00	No.38	
159.59	158.61	158.78	390000	90.00	No.39	
159.59	158.61	158.75	392000	20.00	No.39	
159.58	158.50	158.52	395000	30.00	No.39-28	1P 103°50'30"
159.56	158.56	157.67	400000	50.00	No.40	
159.54	158.56	158.43	410000	100.00	No.41	
159.51	158.53	159.37	420000	100.00	No.42	
159.49	158.51	159.06	430000	100.00	No.43	
159.47	158.49	159.00	435400	54.00	No.43-54	1P 88°21'00"
159.46	158.48	158.68	440000	46.00	No.44	
159.44	158.46	158.90	448400	84.00	No.45	
159.44	158.46	159.00	450000	16.00	No.45	
159.42	158.44	159.00	456000	60.00	No.46	
159.41	158.43	159.88	460000	40.00	No.46	
159.39	158.41	161.25	470000	100.00	No.47	
159.36	158.39	162.00	480000	100.00	No.48	
159.35	158.37	162.12	483500	35.00	No.48-35	
159.31	158.34	162.40	488000	45.00	No.49	
159.30	158.33	162.10	490000	20.00	No.49	
159.29	158.32	161.33	492000	20.00	No.49-20	
159.28	158.31	161.00	494000	20.00	No.49-40	

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・バック
右幹線用水路縦断図 (2/2)
17 Drawing No.I-17

1:100
1:1000



INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・バック
左支線用水路縦断面図 (1/2)
18 Drawing No. I-18

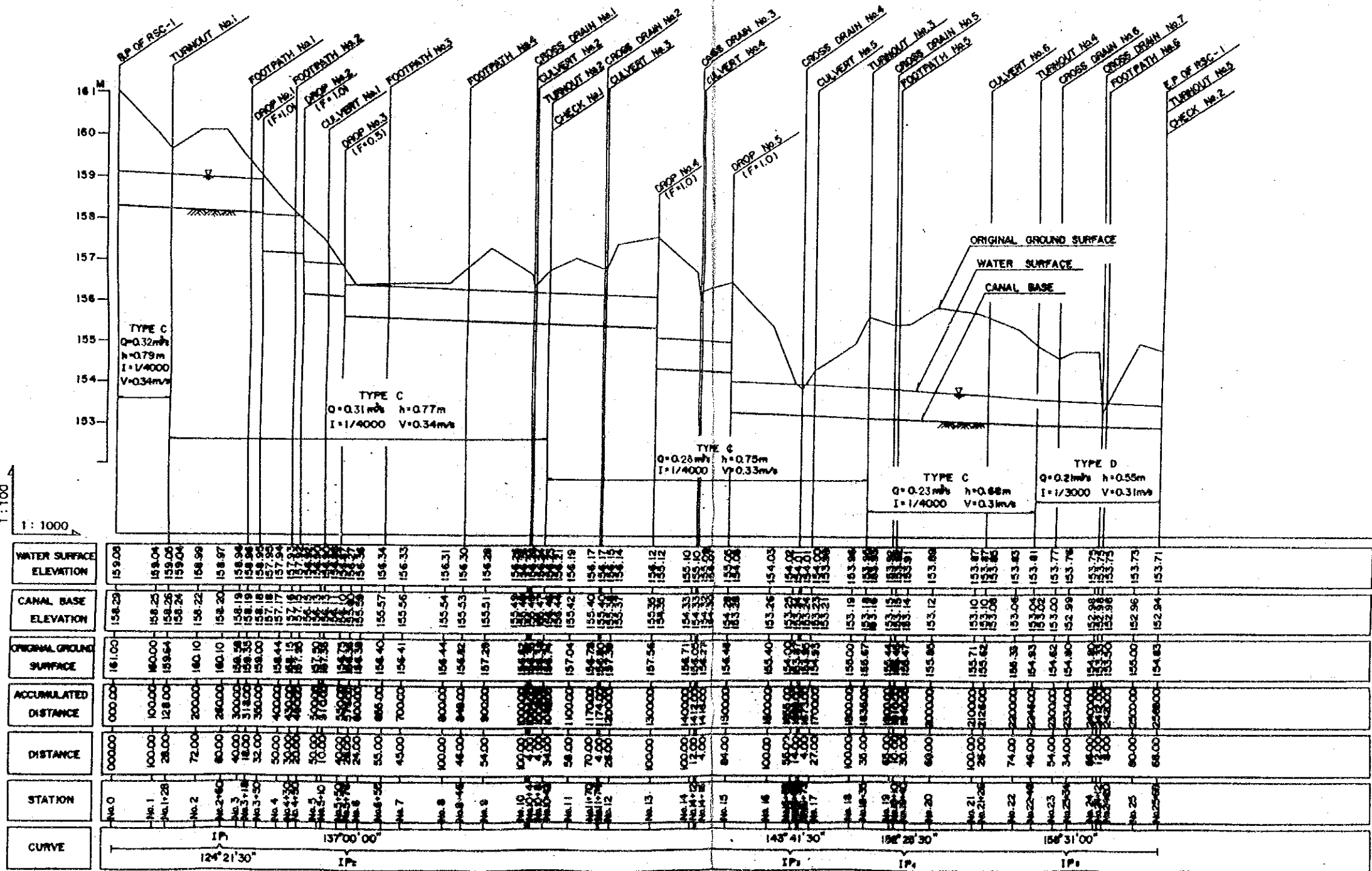


WATER SURFACE ELEVATION	152.76	152.73	152.72	152.67	152.62	152.57	152.52	152.48	152.43	152.38	152.34	152.32	152.29	152.27	152.20	152.17	152.12	152.08	152.07	152.06
CANAL BASE ELEVATION	152.27	152.26	152.23	152.18	152.13	152.08	152.03	151.99	151.94	151.87	151.85	151.83	151.80	151.78	151.75	151.73	151.68	151.64	151.63	151.62
ORIGINAL GROUND SURFACE	151.06	150.98	151.28	151.51	151.56	151.75	151.64	151.44	151.60	151.50	151.25	151.17	151.63	151.90	152.13	151.98	151.12	150.83	150.83	150.84
ACCUMULATED DISTANCE	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00	0000.00
DISTANCE	00.00	25.00	75.00	100.00	100.00	100.00	100.00	78.00	56.00	10.00	34.00	25.00	75.00	45.00	55.00	100.00	74.00	26.00	26.00	26.00
STATION	No.30	No.31	No.32	No.33	No.34	No.35	No.36	No.37	No.38	No.39	No.40	No.41	No.42	No.43	No.44	No.45	No.46	No.47	No.48	No.49
CURVE	129° 18' 30" IPs																			

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・バック
左支線用水路縦断面図 (2/2)

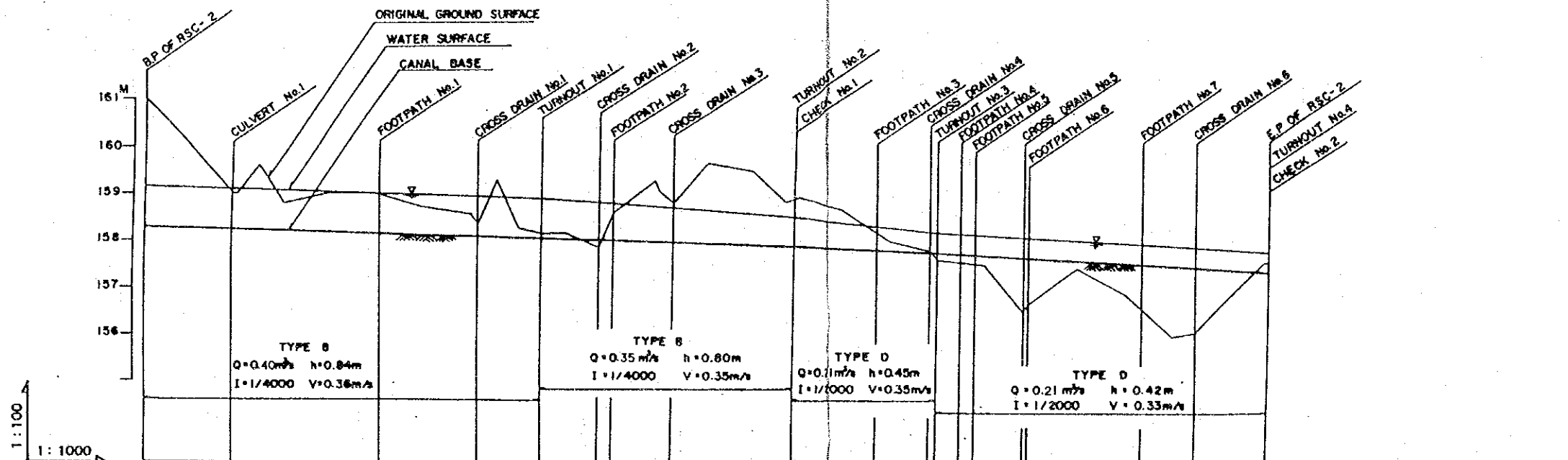
19 Drawing No. 1-19

1:100
1:1000



STATION	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
WATER SURFACE ELEVATION	159.00	159.04	159.05	159.04	158.99	158.97	158.94	158.94	158.91	158.88	158.85	158.82	158.79	158.76	158.73	158.70	158.67	158.64	158.61	158.58	158.55	158.52	158.49	158.46	158.43	158.40	
CANAL BASE ELEVATION	158.29	158.25	158.26	158.24	158.22	158.20	158.19	158.18	158.18	158.18	158.17	158.16	158.15	158.14	158.13	158.12	158.11	158.10	158.09	158.08	158.07	158.06	158.05	158.04	158.03	158.02	
ORIGINAL GROUND SURFACE	161.00	160.00	159.64	160.10	160.10	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	159.95	
ACCUMULATED DISTANCE	000.00	100.00	128.00	200.00	260.00	300.00	318.00	320.00	330.00	340.00	350.00	360.00	370.00	380.00	390.00	400.00	410.00	420.00	430.00	440.00	450.00	460.00	470.00	480.00	490.00	500.00	
DISTANCE	000.00	100.00	28.00	72.00	60.00	40.00	18.00	2.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
CURVE	12° 21' 30"		IP ₁										145° 41' 30"					IP ₂					158° 31' 00"				

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・バック
右支線 1 号用水路縦断図
20 Drawing No. I-20

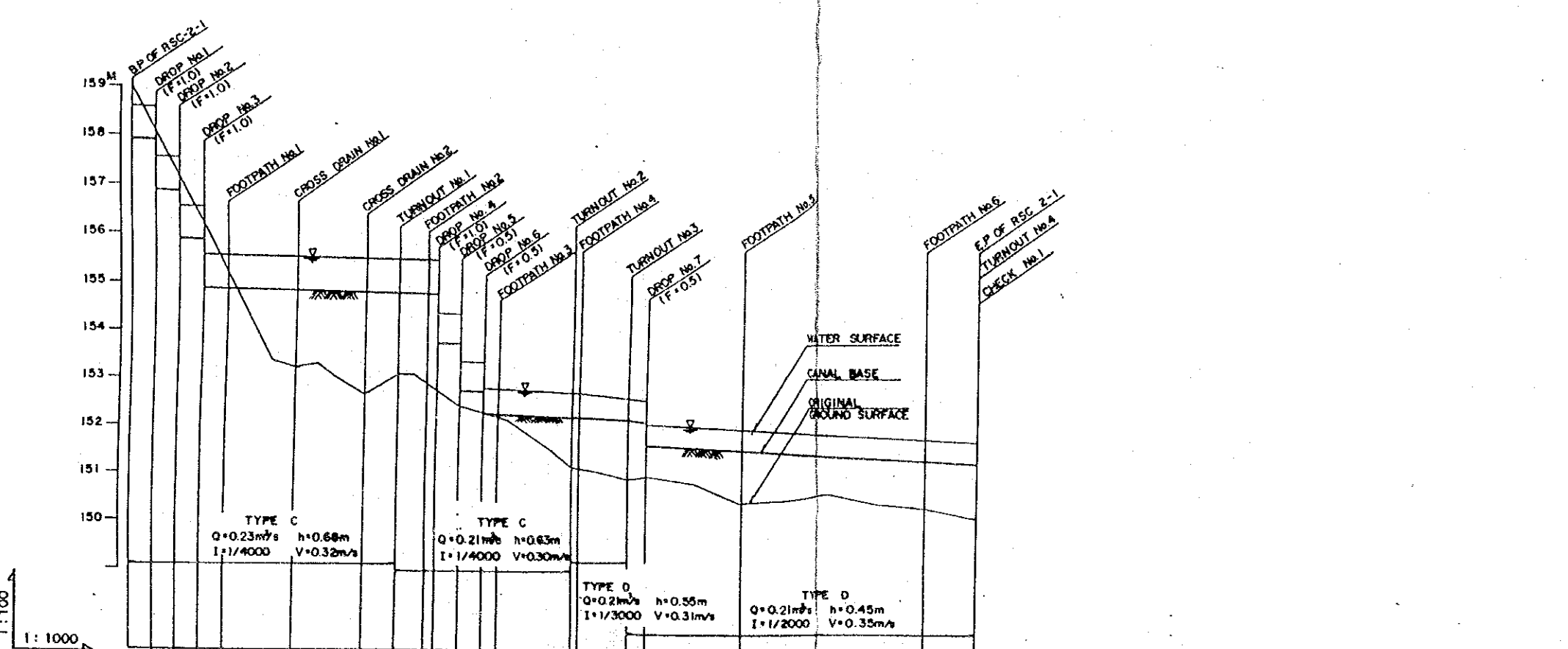


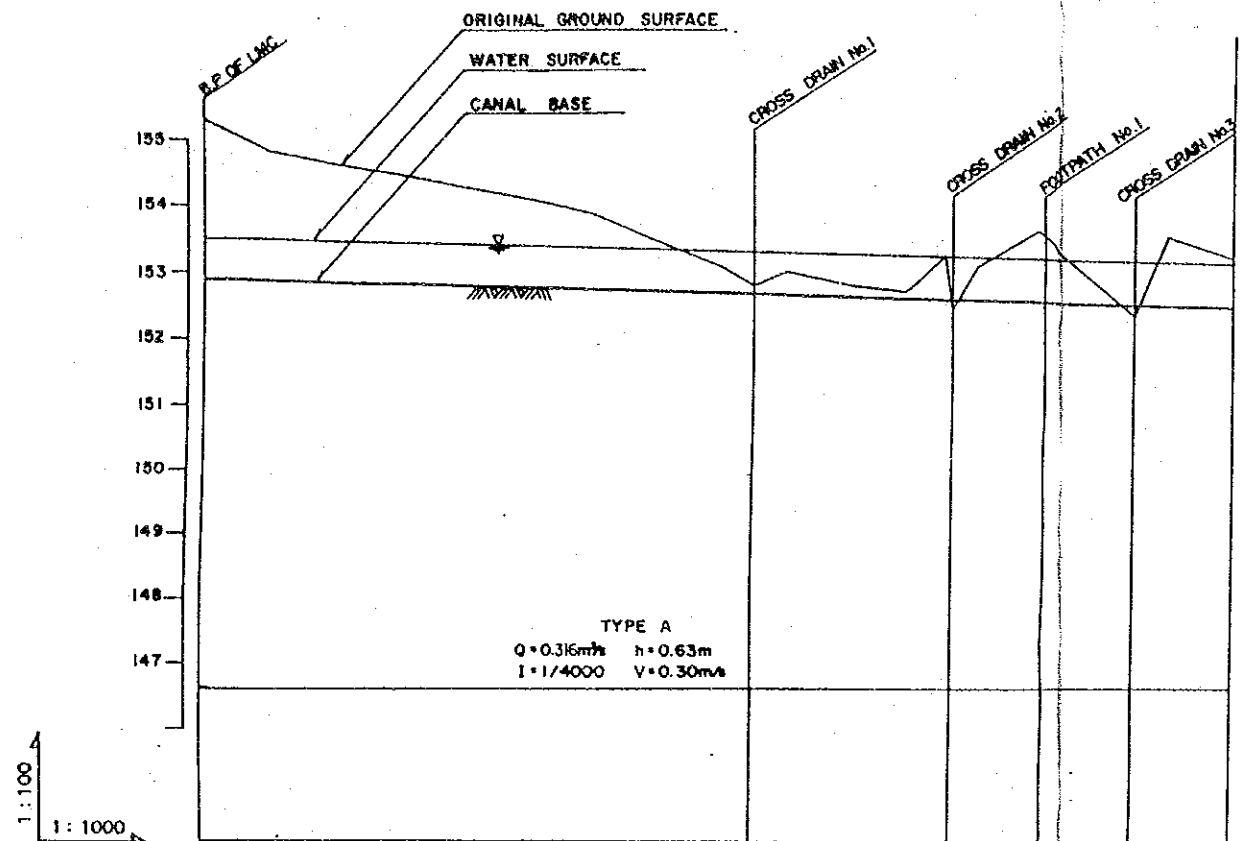
WATER SURFACE ELEVATION	CANAL BASE ELEVATION	ORIGINAL GROUND SURFACE	ACCUMULATED DISTANCE	DISTANCE	STATION	CURVE
159.13	158.29	161.00	000.00	000.00	No. 0	
159.11	158.27	160.00	100.00	100.00	No. 1	
159.09	158.24	159.00	190.00	90.00	No. 2	
159.08	158.23	158.00	200.00	100.00	No. 2	
159.07	158.21	157.00	245.00	45.00	No. 2-45	
159.04	158.20	156.60	300.00	55.00	No. 3	
159.01	156.17	159.00	400.00	100.00	No. 4	
158.99	156.15	159.00	500.00	100.00	No. 5	
158.98	156.15	158.97	510.00	10.00	No. 5-10	
158.96	158.12	158.71	600.00	90.00	No. 6	
158.94	158.10	158.55	700.00	100.00	No. 7	
158.94	158.10	158.32	715.00	15.00	No. 7-15	
158.92	158.08	158.27	756.00	41.00	No. 7-56	
158.91	158.07	158.25	800.00	44.00	No. 8	
158.90	158.06	158.16	850.00	50.00	No. 8-50	
158.84	158.04	158.04	900.00	50.00	No. 9	
158.83	158.03	158.15	970.00	70.00	No. 9-70	
158.81	158.01	157.85	1000.00	30.00	No. 9-100	
158.80	158.00	158.81	1000.00	0.00	No. 10	
158.78	157.98	158.23	1000.00	0.00	No. 10-90	
158.77	157.97	158.08	1128.00	128.00	No. 11-28	
158.75	157.96	158.67	1200.00	72.00	No. 12	
158.73	157.93	159.51	1300.00	100.00	No. 13	
158.72	157.92	158.86	1372.00	72.00	No. 13-72	
158.71	157.91	158.23	1400.00	28.00	No. 13-140	
158.70	157.90	158.96	1400.00	0.00	No. 14	
158.69	157.89	158.82	1500.00	100.00	No. 15	
158.26	157.81	158.20	1574.00	74.00	No. 15-74	
158.24	157.79	158.00	1600.00	26.00	No. 16	
158.21	157.76	157.70	1685.00	85.00	No. 17	
158.14	157.72	157.55	1750.00	65.00	No. 17-50	
158.11	157.69	157.52	1780.00	30.00	No. 17-80	
158.10	157.68	157.50	1800.00	20.00	No. 18	
158.09	157.67	158.00	1800.00	0.00	No. 18-90	
158.06	157.64	158.50	1800.00	0.00	No. 18-90	
158.05	157.63	158.71	1800.00	0.00	No. 19	
158.04	157.62	158.43	2000.00	200.00	No. 20	
157.99	157.57	158.88	2100.00	100.00	No. 21	
157.94	157.52	158.55	2132.00	32.00	No. 21-32	
157.92	157.50	158.97	2200.00	68.00	No. 22	
157.89	157.47	158.04	2200.00	0.00	No. 22-50	
157.86	157.44	158.58	2300.00	50.00	No. 23	
157.84	157.42	157.55	2400.00	100.00	No. 24	
157.79	157.37	157.55	2400.00	0.00	No. 24-100	
157.78	157.36	157.55	24100.00	10.00	No. 24-100	

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・バック
右支線 2 号用水路縦断図
21 | Drawing No. I-2.1

1:100
1:1000

STATION	No.0	No.1	No.2	No.3	No.3+50	No.4	No.4+36	No.5	No.5+70	No.5+85	No.6	No.6+30	No.6+80	No.7	No.7+50	No.7+80	No.8	No.9	No.9+50	No.9+55	No.10	No.10+58	No.10+80	No.11	No.12	No.13	No.13+8	No.14	No.15	No.16	No.17	No.18	No.18+12	
CURVE	IP, 156°01'30"																																	
DISTANCE	000.00	50.00	100.00	150.00	200.00	300.00	300.00	400.00	436.00	500.00	570.00	600.00	630.00	660.00	700.00	750.00	780.00	800.00	900.00	940.00	955.00	1000.00	1058.00	1100.00	1200.00	1300.00	1308.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00	1812.00
ACCUMULATED DISTANCE	000.00	50.00	100.00	150.00	200.00	300.00	300.00	400.00	436.00	500.00	570.00	600.00	630.00	660.00	700.00	750.00	780.00	800.00	900.00	940.00	955.00	1000.00	1058.00	1100.00	1200.00	1300.00	1308.00	1300.00	1400.00	1500.00	1600.00	1700.00	1800.00	1812.00
ORIGINAL GROUND SURFACE	159.00	158.10	157.17	156.20	155.22	153.33	153.20	153.38	153.00	152.03	151.00	151.05	151.00	150.90	152.39	152.19	152.15	152.18	151.43	151.09	151.20	151.00	150.86	150.81	150.91	150.78	150.30	150.40	150.43	150.37	150.36	150.31	150.08	150.07
CANAL BASE ELEVATION	157.89	156.88	155.97	155.06	154.85	154.82	154.81	154.80	154.79	154.77	154.73	154.72	154.70	154.69	154.68	154.67	154.65	154.64	152.15	152.12	152.11	152.10	152.08	152.07	152.06	151.50	151.45	151.40	151.35	151.30	151.25	151.20	151.65	
WATER SURFACE ELEVATION	159.57	159.38	159.23	159.10	159.03	159.00	158.99	158.98	158.97	158.96	158.95	158.94	158.93	158.92	158.91	158.90	158.89	158.88	152.78	152.77	152.76	152.75	152.74	152.73	152.72	152.15	152.14	152.13	152.12	152.11	152.10	152.09	152.08	151.65

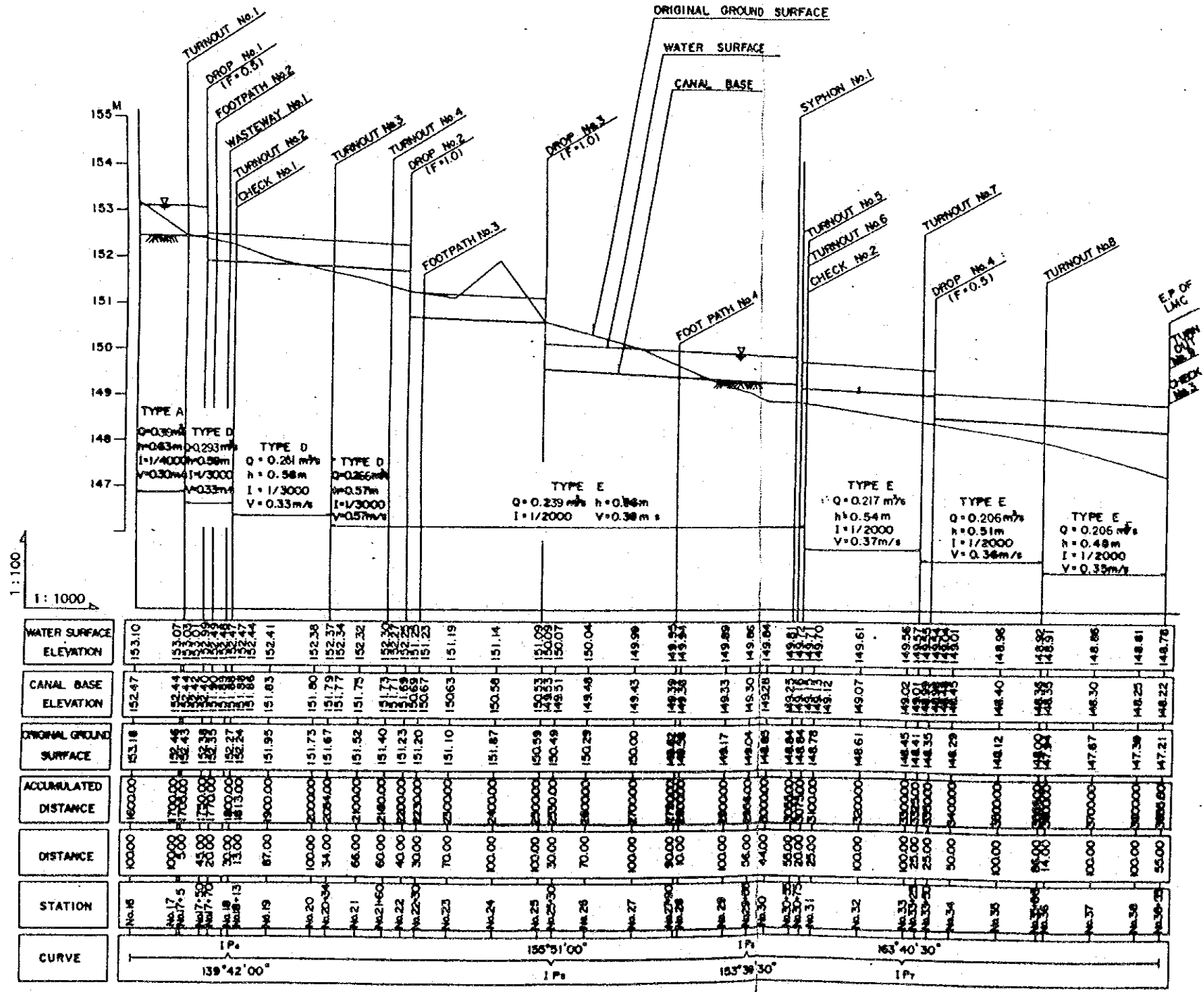




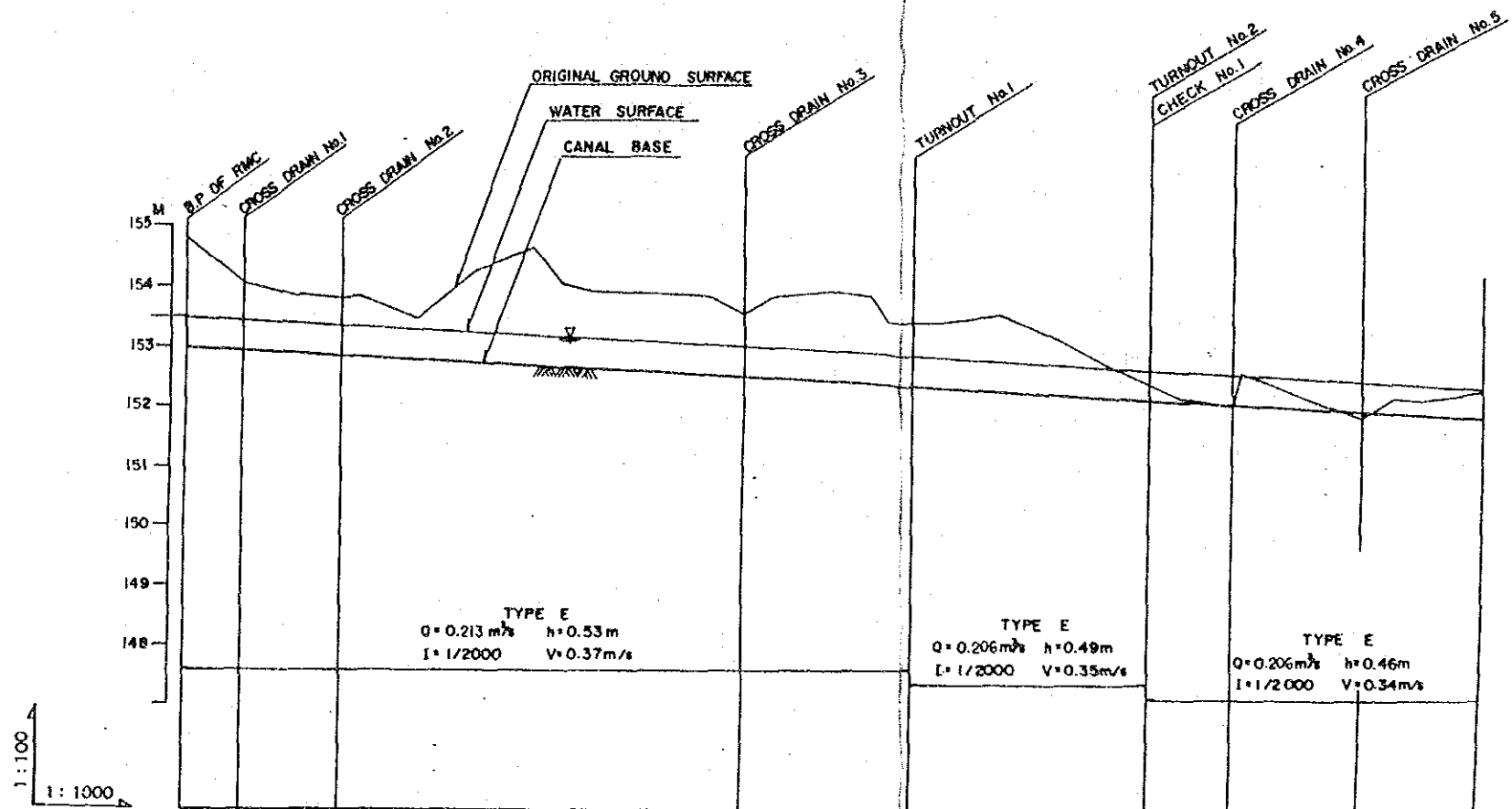
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WATER SURFACE ELEVATION	153.50	153.47	153.45	153.42	153.40	153.37	153.35	153.32	153.31	153.30	153.29	153.27	153.25	153.23	153.22	153.21	153.20	153.17	153.17	153.15	153.13	153.12	153.10	
CANAL BASE ELEVATION	152.87	152.84	152.82	152.79	152.77	152.74	152.72	152.69	152.68	152.67	152.66	152.64	152.62	152.60	152.59	152.58	152.57	152.54	152.54	152.52	152.50	152.49	152.47	
ORIGINAL GROUND SURFACE	155.30	154.80	154.62	154.47	154.27	154.09	153.86	153.46	153.16	153.06	152.79	153.00	152.80	152.70	152.80	153.24	152.40	153.38	153.50	152.73	152.35	153.51	153.18	
ACCUMULATED DISTANCE	000.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	777.00	800.00	850.00	900.00	1000.00	1085.00	1100.00	1150.00	1180.00	1200.00	1277.00	1300.00	1400.00	1450.00	1500.00	1600.00
DISTANCE	000.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	77.00	23.00	50.00	50.00	100.00	85.00	15.00	50.00	100.00	97.00	77.00	95.00	50.00	50.00	100.00	
STATION	No.0	No.1	No.2	No.3	No.4	No.5	No.6	No.7	No.7+77	No.8	No.8+50	No.9	No.10	No.10+85	No.11	No.11+50	No.11+80	No.12	No.12+97	No.13	No.14	No.14+50	No.15	No.16
CURVE	<p>16°20'30" IP, 136°08'30" IP, 144°00'30" IP, 152°18'30" IP</p>																							

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・サイ
左幹線用水路縦断面図 (1/2)
23 Drawing No.1-23

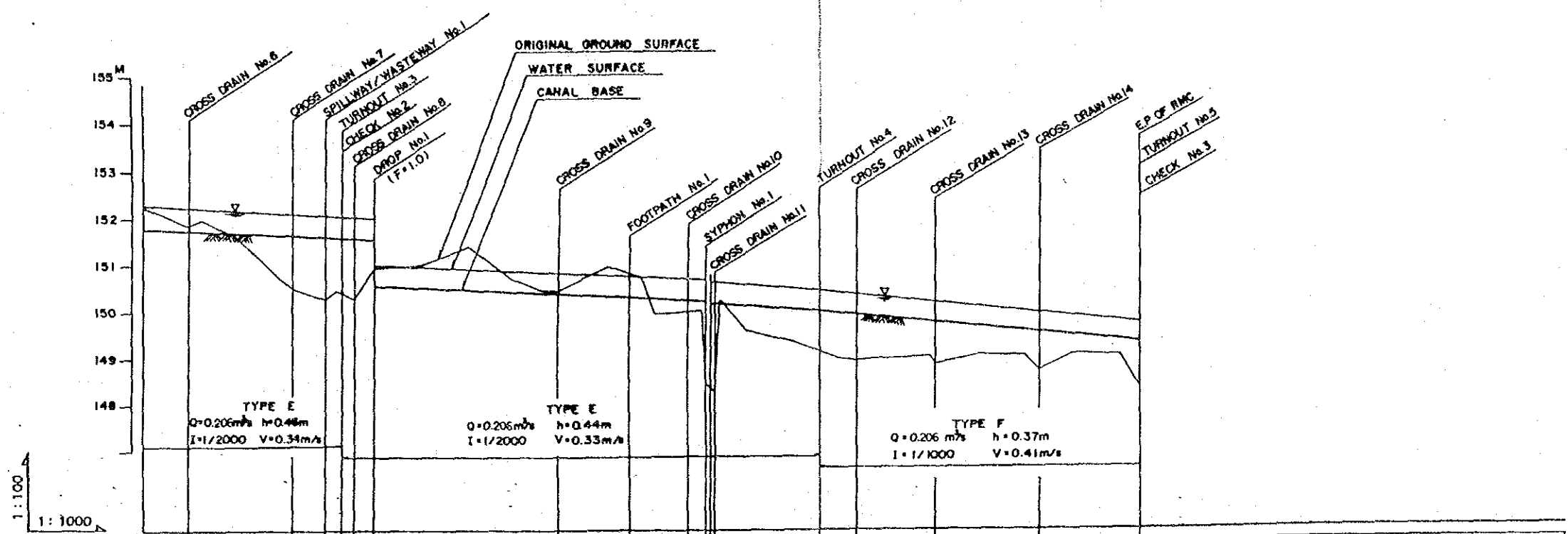


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT
 Title Of Drawing:
 ホワイ・サイ
 左幹線用水路縦断面図 (2/2)
 24 Drawing No: 1-24



WATER SURFACE ELEVATION	CANAL BASE ELEVATION	ORIGINAL GROUND SURFACE	ACCUMULATED DISTANCE	DISTANCE	STATION	CURVE
153.50	152.97	154.82	000.00	000.00	No. 0	
153.45	152.92	154.05	100.00	100.00	No. 1	
153.40	152.87	153.82	155.00	55.00	No. 2	132°38'00" IP ₁
153.36	152.83	153.80	270.00	115.00	No. 3	
153.35	152.82	153.83	300.00	150.00	No. 4	149°41'30" IP ₂
153.30	152.77	153.47	365.00	215.00	No. 5	
153.25	152.72	154.21	500.00	350.00	No. 6	
153.20	152.67	154.60	600.00	450.00	No. 7	IP ₃
153.18	152.65	154.00	650.00	500.00	No. 8	
153.15	152.62	153.89	700.00	550.00	No. 9	163°00'30" IP ₄
153.10	152.57	153.85	800.00	650.00	No. 10	
153.07	152.54	153.83	873.00	723.00	No. 11	
153.05	152.52	153.78	900.00	750.00	No. 12	IP ₅
153.03	152.50	153.52	985.00	835.00	No. 13	
153.00	152.47	153.76	1000.00	850.00	No. 14	157°30'30" IP ₆
152.95	152.42	153.66	1100.00	950.00	No. 15	
152.92	152.39	153.60	1168.00	1018.00	No. 16	
152.90	152.37	153.39	1200.00	1050.00	No. 17	
152.88	152.35	153.39	1240.00	1090.00	No. 18	
152.85	152.33	153.39	1300.00	1150.00	No. 19	
152.74	152.25	153.50	1400.00	1250.00	No. 20	
152.69	152.20	153.09	1500.00	1350.00	No. 21	
152.64	152.15	152.58	1600.00	1450.00	No. 22	
152.62	152.13	152.40	1650.00	1500.00	No. 23	
152.57	152.11	152.57	1700.00	1550.00	No. 24	
152.54	152.08	152.14	1700.00	1550.00	No. 25	124°00'30" IP ₇
152.50	152.04	152.00	1765.00	1615.00	No. 26	
152.49	152.03	152.53	1800.00	1650.00	No. 27	
152.44	151.98	152.15	1900.00	1750.00	No. 28	
152.39	151.93	151.80	2000.00	1850.00	No. 29	
152.37	151.91	152.11	2048.00	1900.00	No. 30	
152.34	151.88	152.10	2100.00	1950.00	No. 31	105°10'00" IP ₈
152.29	151.83	152.24	2200.00	2050.00	No. 32	

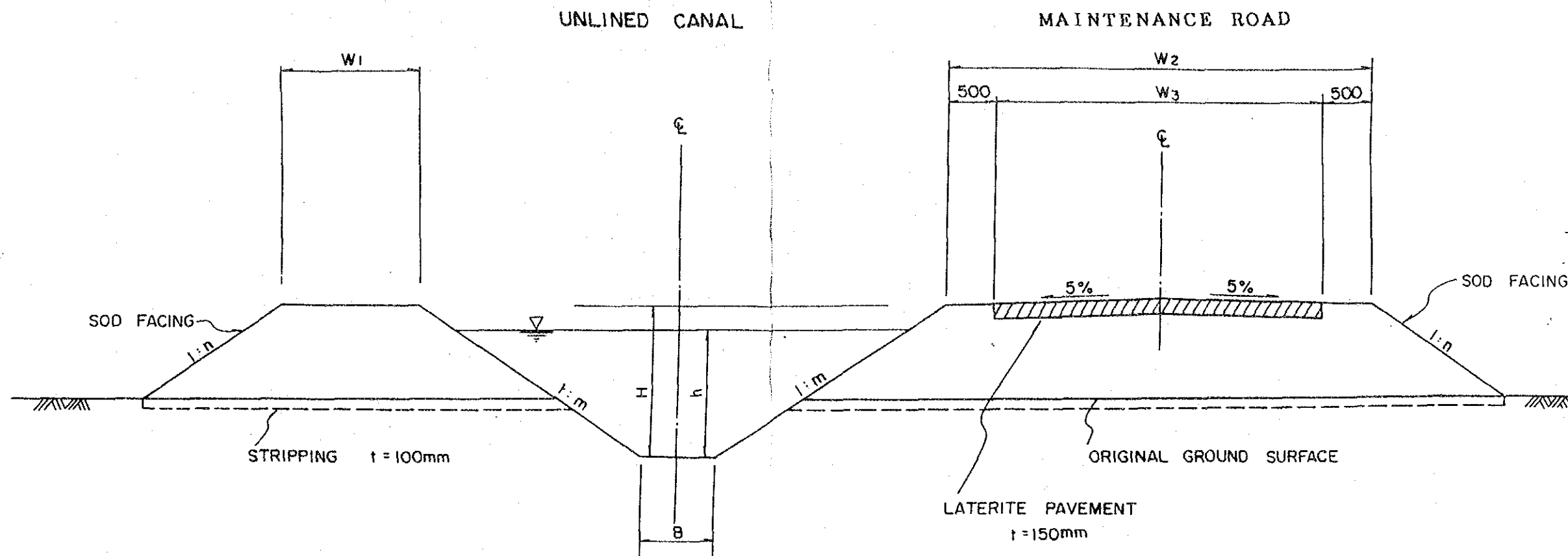
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・サイ
右幹線用水路縦断面図 (1/2)
25. Drawing No. I-25



WATER SURFACE ELEVATION	CANAL BASE ELEVATION	ORIGINAL GROUND SURFACE	ACCUMULATED DISTANCE	DISTANCE	STATION	CURVE
152.29	151.83	152.24	100.00	100.00	No.22	136° 30' 00"
152.24	151.78	151.85	100.00	200.00	No.23	1P _e
152.23	151.77	151.97	28.00	228.00	No.23	1P _e
152.19	151.73	151.63	74.00	200.00	No.24	1P _e
152.14	151.68	150.70	100.00	250.00	No.25	1P _e
152.13	151.67	150.50	25.00	225.00	No.25	1P _e
152.08	151.63	150.28	75.00	200.00	No.26	1P _e
152.07	151.62	150.45	100.00	250.00	No.26	1P _e
152.06	151.61	150.30	25.00	225.00	No.26	1P _e
152.05	151.60	150.30	25.00	225.00	No.26	1P _e
152.04	151.59	150.30	25.00	225.00	No.26	1P _e
152.03	151.58	150.30	25.00	225.00	No.26	1P _e
152.02	151.57	150.30	25.00	225.00	No.26	1P _e
152.01	151.56	150.30	25.00	225.00	No.26	1P _e
151.95	150.51	151.00	100.00	280.00	No.28	1P _e
150.90	150.46	151.38	100.00	280.00	No.29	1P _e
150.85	150.41	150.67	100.00	300.00	No.30	1P _e
150.82	150.38	150.45	65.00	235.00	No.30	1P _e
150.80	150.36	150.43	35.00	205.00	No.31	1P _e
150.75	150.31	150.94	100.00	300.00	No.32	1P _e
150.73	150.29	150.80	48.00	252.00	No.32	1P _e
150.71	150.27	150.71	24.00	228.00	No.32	1P _e
150.70	150.26	150.71	30.00	234.00	No.33	1P _e
150.66	150.22	149.87	70.00	270.00	No.33	1P _e
150.65	150.21	150.21	70.00	270.00	No.33	1P _e
150.64	150.20	150.21	70.00	270.00	No.33	1P _e
150.63	150.19	150.21	70.00	270.00	No.33	1P _e
150.62	150.18	150.21	70.00	270.00	No.33	1P _e
150.61	150.17	150.21	70.00	270.00	No.33	1P _e
150.55	150.11	149.50	80.00	300.00	No.38	1P _e
150.50	150.06	149.33	100.00	360.00	No.38	1P _e
150.47	150.03	149.40	62.00	298.00	No.38	1P _e
150.34	149.97	148.96	38.00	260.00	No.37	1P _e
150.30	149.93	148.81	40.00	270.00	No.37	1P _e
150.26	149.89	148.96	40.00	270.00	No.37	1P _e
150.24	149.87	148.95	20.00	250.00	No.38	1P _e
150.14	149.77	149.00	100.00	380.00	No.39	1P _e
150.13	149.76	148.82	10.00	390.00	No.39	1P _e
150.04	149.67	149.01	90.00	400.00	No.40	1P _e
149.94	149.57	149.00	100.00	400.00	No.41	1P _e
149.91	149.54	148.89	30.00	430.00	No.41	1P _e
149.84	149.47	149.03	70.00	400.00	No.42	1P _e
149.76	149.39	149.00	85.00	485.00	No.43	1P _e
149.74	149.37	149.00	15.00	400.00	No.43	1P _e
149.70	149.33	148.26	44.00	444.00	No.43	1P _e

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
ホワイ・サイ
右幹線用水路縦断面図 (2/2)
26 Drawing No. I-26

TYPICAL CROSS SECTION OF CANALS AND MAINTENANCE ROADS



NOTE : 1. LATERITE PAVEMENT WILL BE PROVIDED ONLY ON THE TOP OF FARM ROADS FOR MAIN AND SECONDARY CANALS OF TYPE A TO D.

2. MAINTENANCE ROAD IS ONLY APPLICABLE TO MAIN AND SECONDARY CANALS

DIMENSION

UNIT : mm

CANAL TYPE	B	H	h max	W ₁	W ₂	W ₃	m	n
A	800	1600	1300	1500	4500	3500	1.5	1.5~2.0
B	600	1300	1000	1500	4500	3500	1.5	1.5~2.0
C	500	1100	800	1500	4500	3500	1.5	1.5~2.0
D	400	900	600	1000	4500	3500	1.5	1.5~2.0
E	400	800	600	400	4500	3500	1.0	1.5
F	300	600	400	400	3000	—	1.0	1.5
G	300	500	300	300	3000	—	1.0	1.5
H	200	350	300	300	800	—	1.0	1.5
I	200	300	250	300	600	—	1.0	1.5
J	100	200	180	200	300	—	1.0	1.5

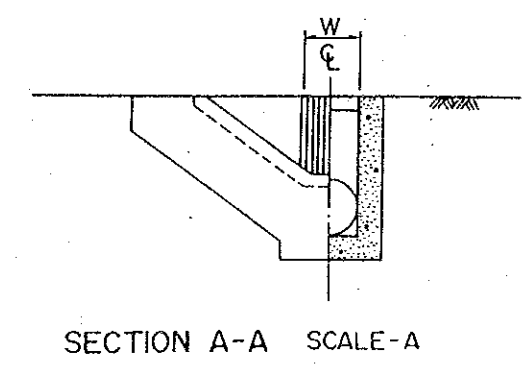
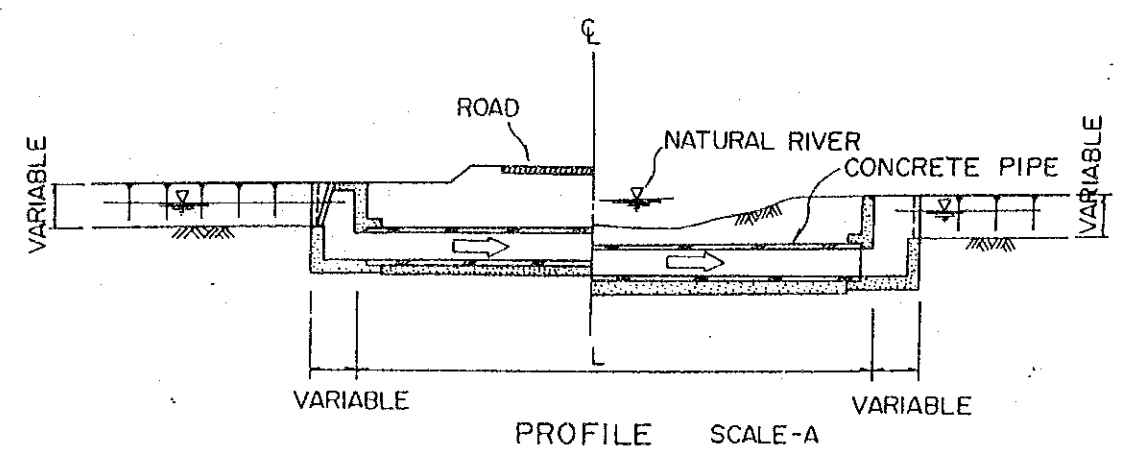
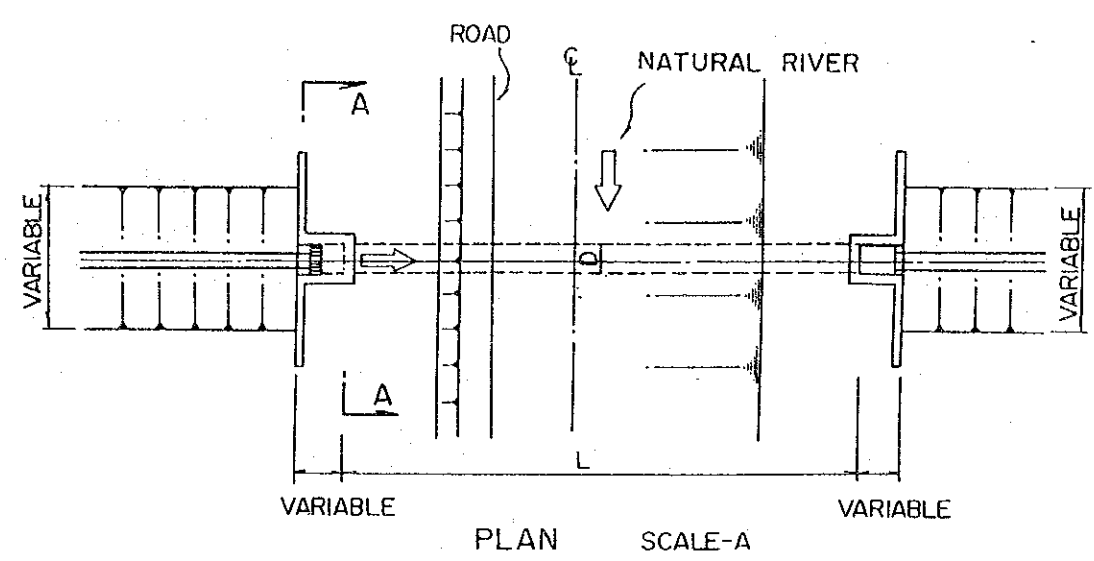


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT

Title Of Drawing:

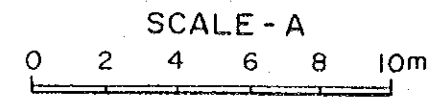
用水路標準断面図

SYPHON , TYPE - A E



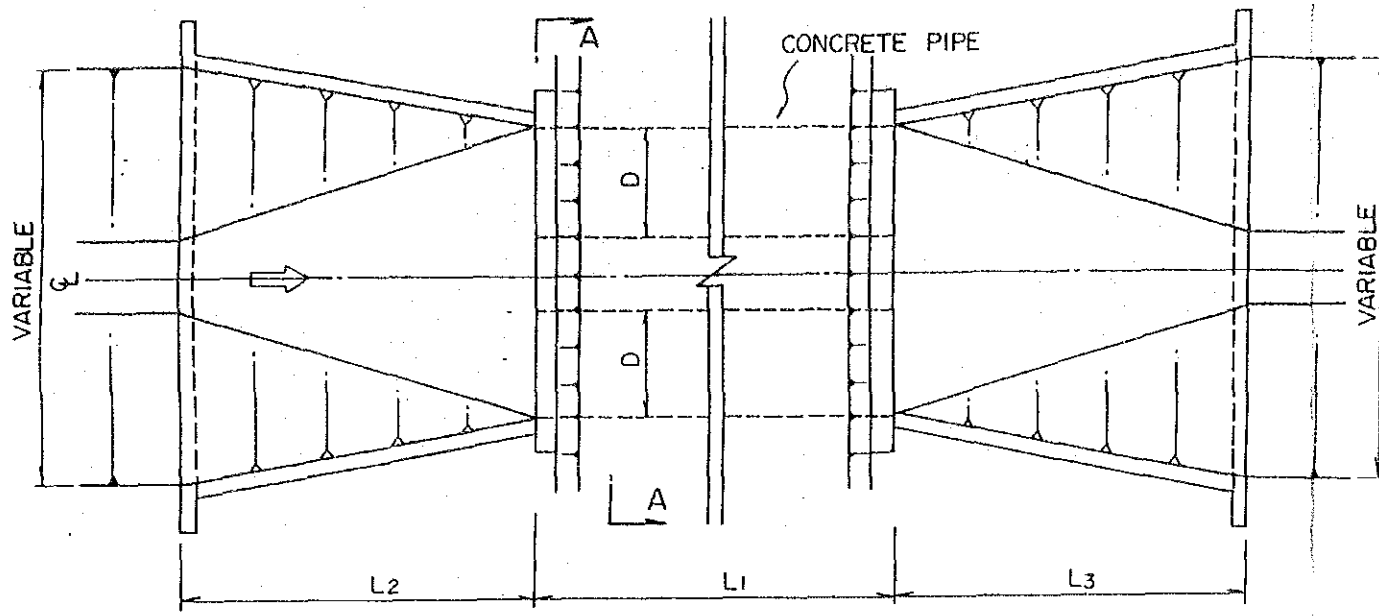
DIMENSION UNIT: mm

TYPE	Q (m ³ /s)	D	L	W	PIPE
A	0.3 ~ 0.6	800	20 000	800	φ 800
B	0.3 ~ 0.6	800	10 000	800	φ 800
C	0.2 ~ 0.3	600	10 000	600	φ 600
D	0.1 ~ 0.2	500	10 000	500	φ 500
E	~ 0.1	300	5 000	300	φ 300

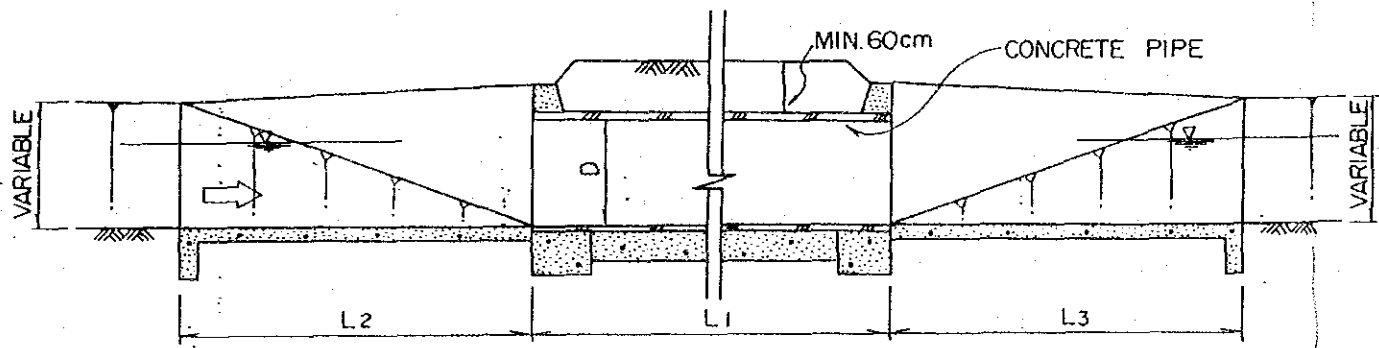


INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
サイホン
28 Drawing No.1-28

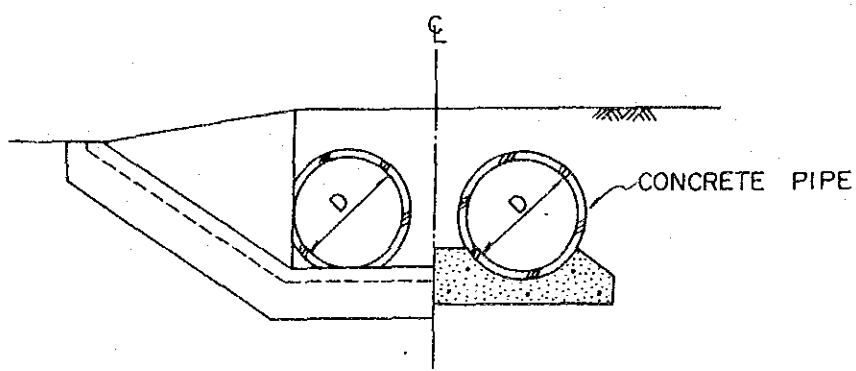
CULVERT, TYPE - A



PLAN SCALE - A

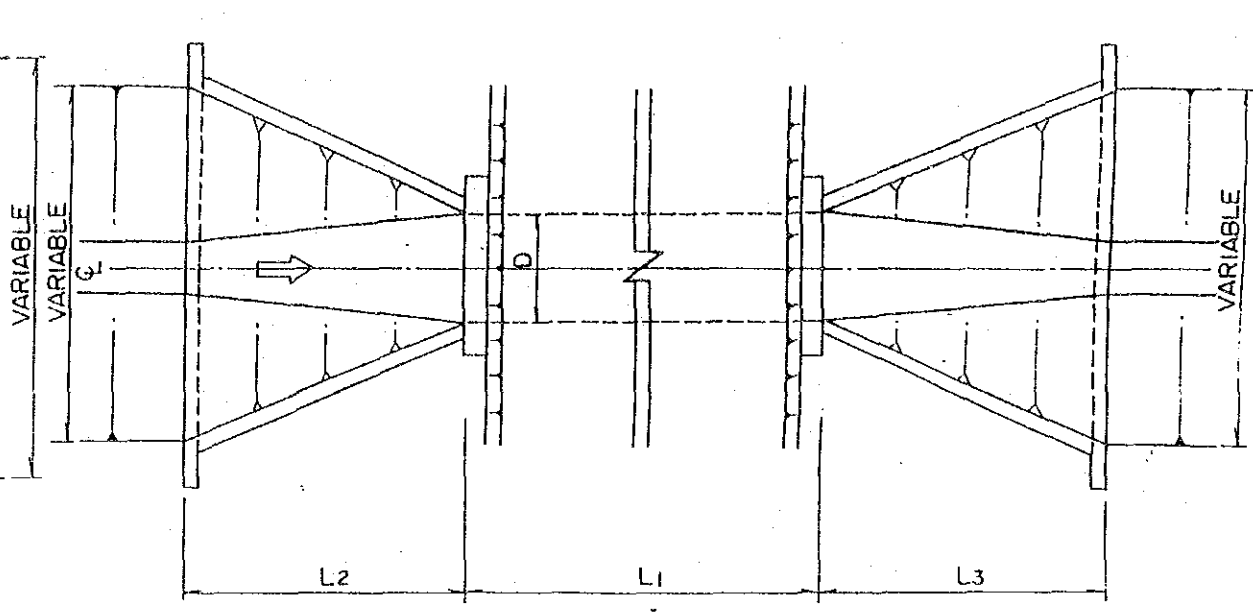


PROFILE SCALE - A

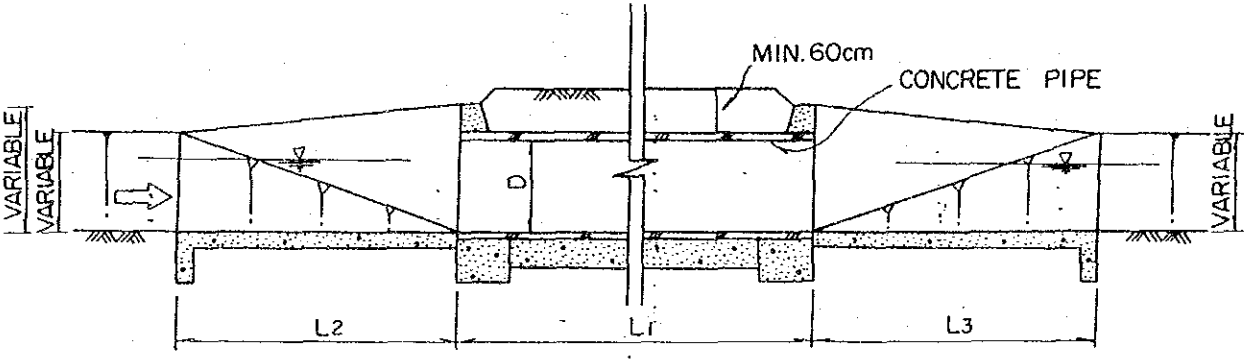


SECTION A - A SCALE - A

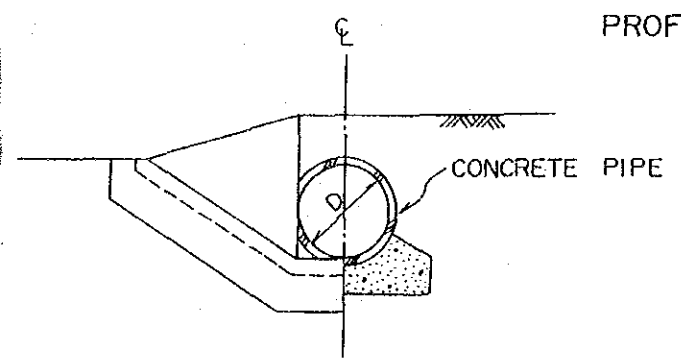
CULVERT, TYPE - B, C



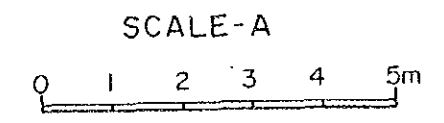
PLAN SCALE - A



PROFILE SCALE - A

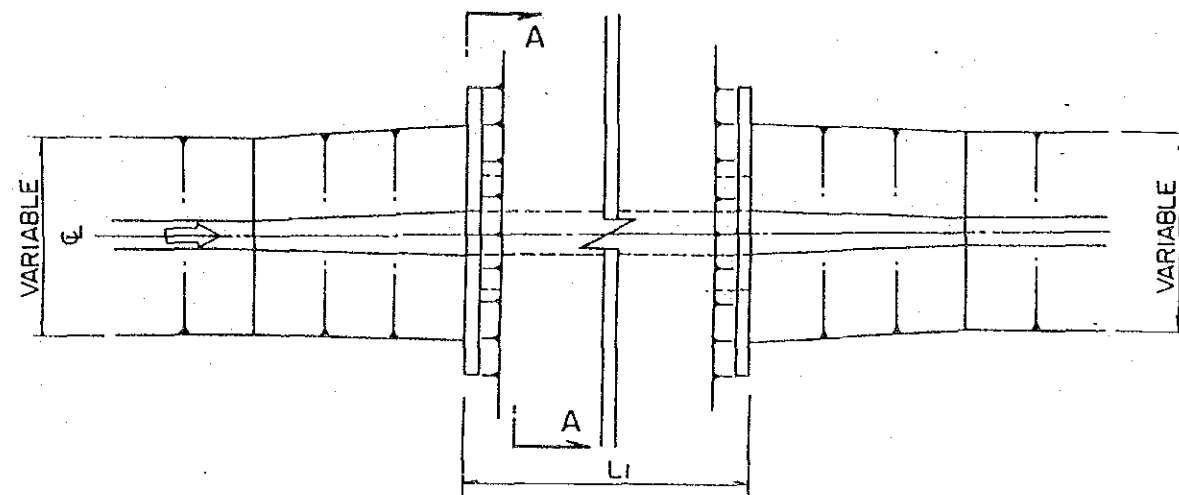


SECTION A - A SCALE - A

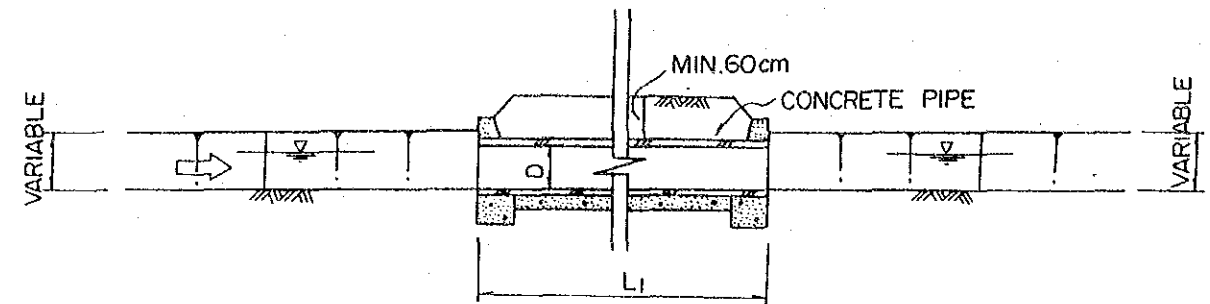


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title of Drawing:	
暗渠 (1/2)	
29	Drawing No. 1 - 29

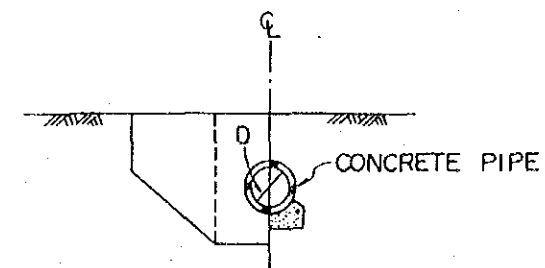
CULVERT, TYPE - D, E



SCALE - A



PROFILE SCALE - A

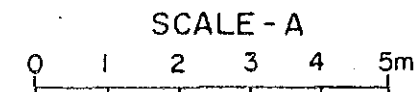


SECTION A-A SCALE - A

DIMENSION

UNIT : mm

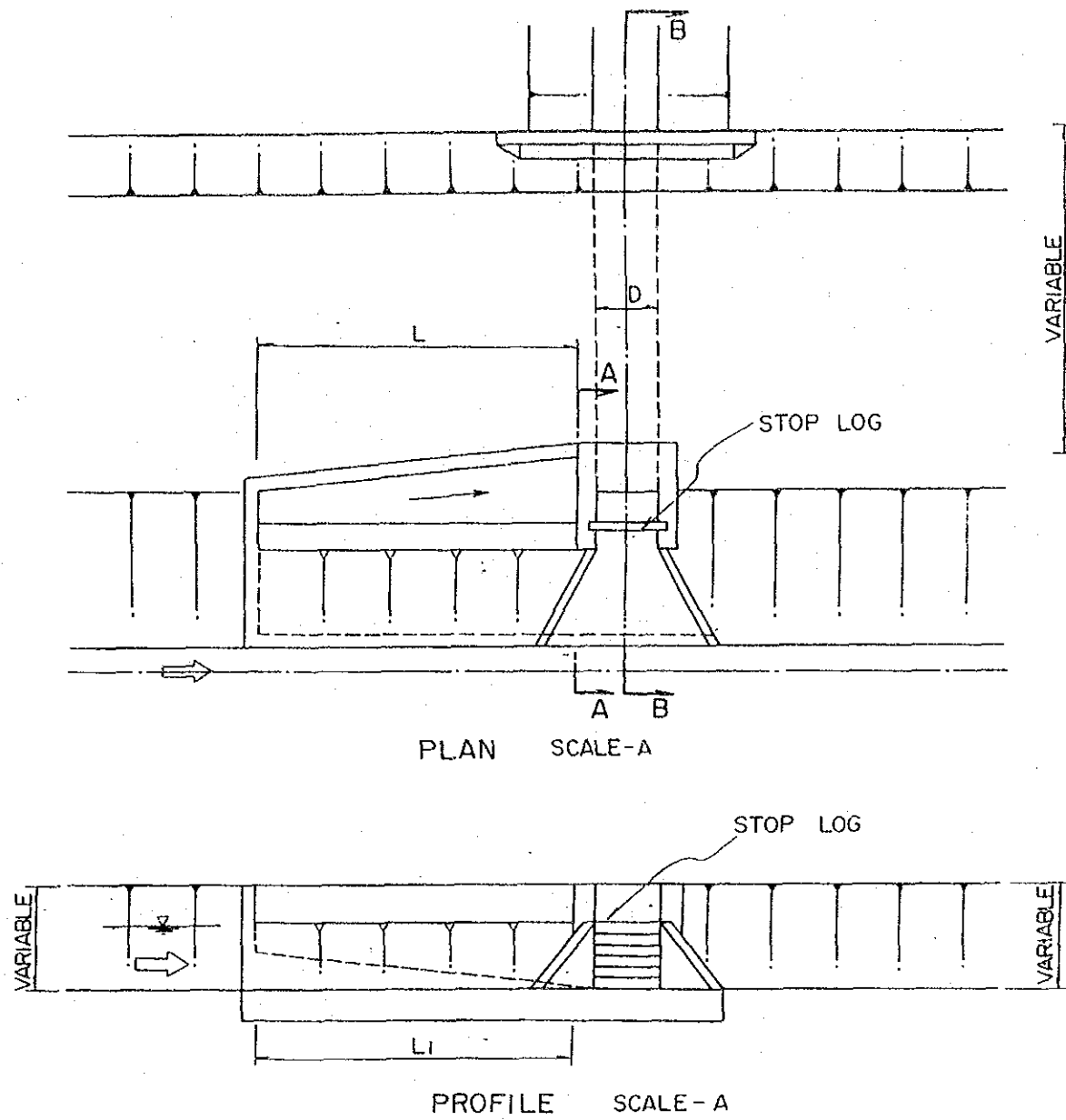
TYPE	Q (m ³ /s)	D	L ₁	L ₂	L ₃	PIPE
A	1.5 ~ 3.0	1500	6000	5000	5000	φ1500 x 2 Nos
B	0.65 ~ 1.5	1500	4000	4000	4000	φ1500
C	0.25 ~ 0.65	1000	4000	2000	2000	φ1000
D	0.1 ~ 0.25	500	2000	—	—	φ500
E	~ 0.1	200	2000	—	—	φ200



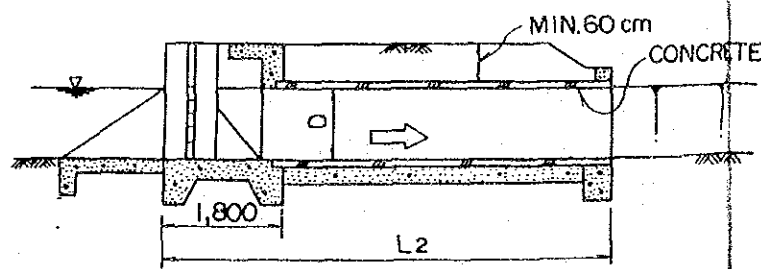
SCALE - A

INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: 暗渠 (2/2)	
30	Drawing No.1 - 30

SPILLWAY WASTEWAY, TYPE-A E

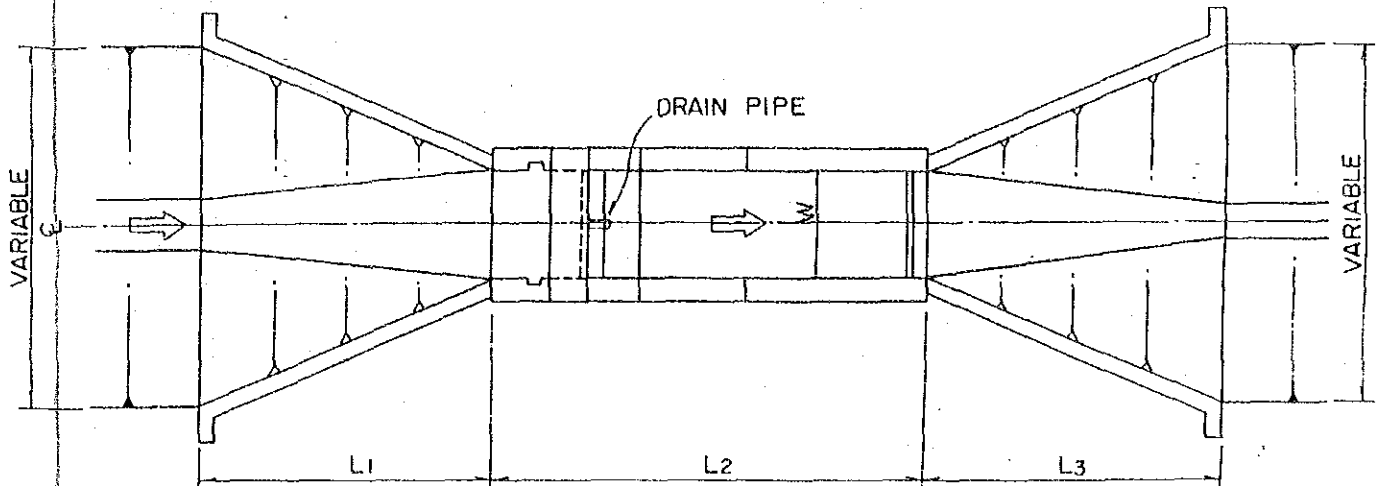


SECTION A-A SCALE-A

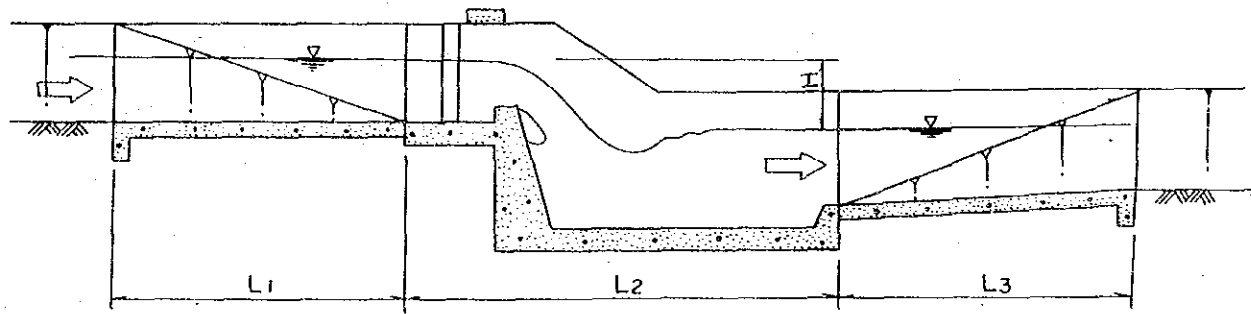


SECTION B-B SCALE-A

DROP, TYPE-A D



PLAN SCALE-A



PROFILE SCALE-A

DIMENSION (DROP)

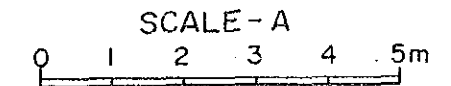
UNIT: mm

TYPE	H	Q (m ³ /s)	L1	L2	L3	W
A - 1	1000	0.25 ~ 0.5	1500	2000	3000	1300
A - 2	500	✓	1500	2000	3000	1300
B - 1	1000	0.1 ~ 0.25	1000	1500	2000	1000
B - 2	500	✓	1000	1500	2000	1000
C	1000	~ 0.1	500	1500	500	800

DIMENSION (SPILLWAY WASTEWAY)

UNIT: mm

TYPE	Q (m ³ /s)	D	L1	L2	PIPE	STOP LOG
A	0.5 ~ 1.0	1000	4000	7000	φ1000	1000x1000
B	0.3 ~ 0.5	1000	2000	7000	φ1000	1000x1000
C	0.2 ~ 0.3	600	2000	7000	φ 600	600x600
D	~ 0.2	500	1000	5500	φ 500	500x500

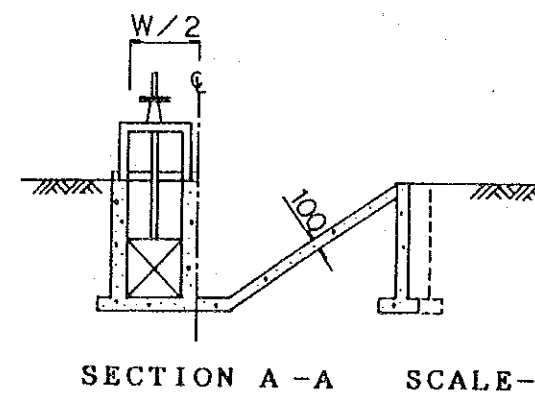
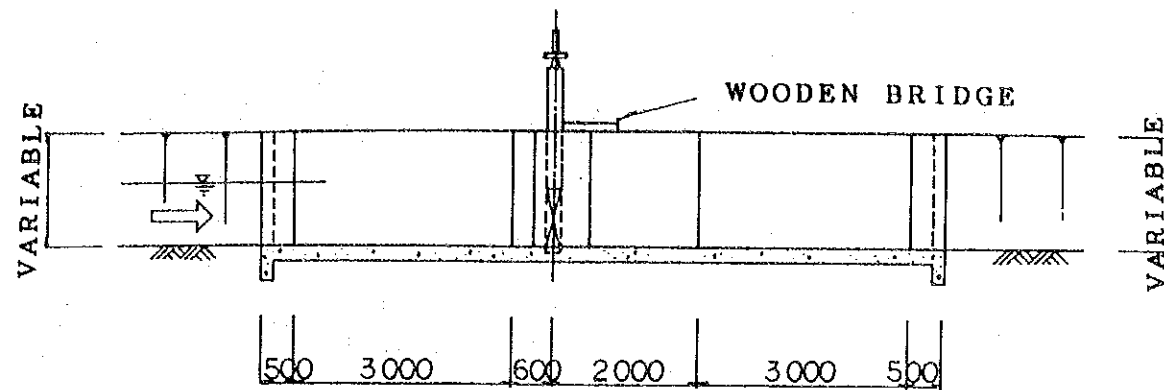
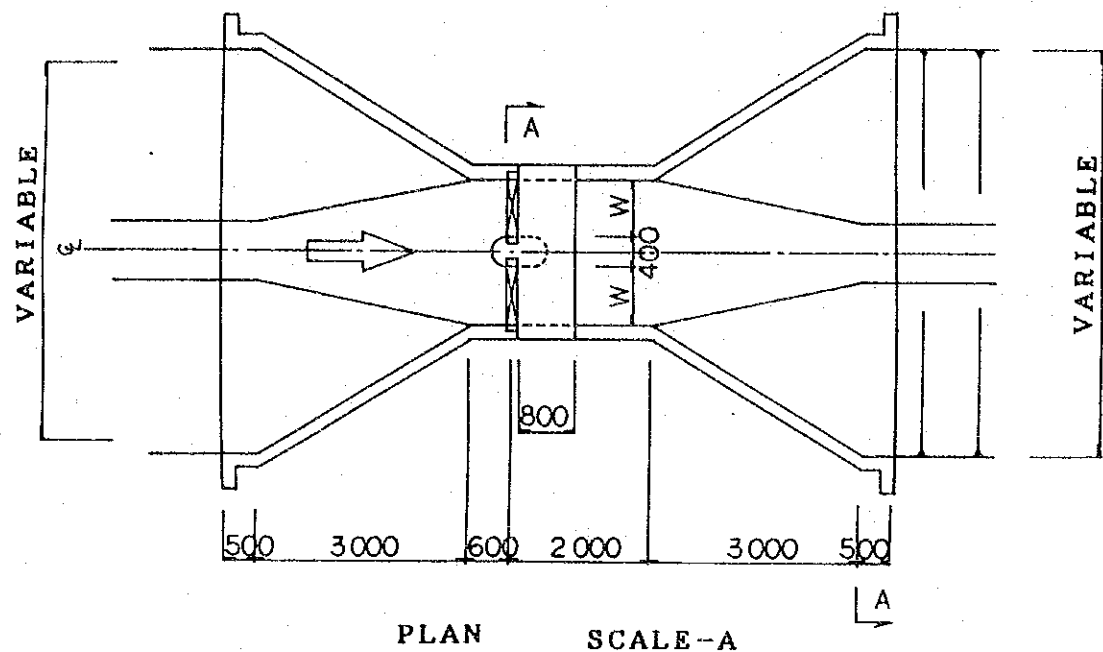


INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT

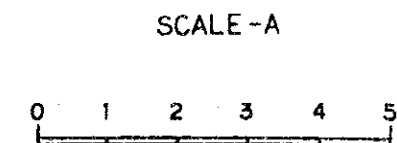
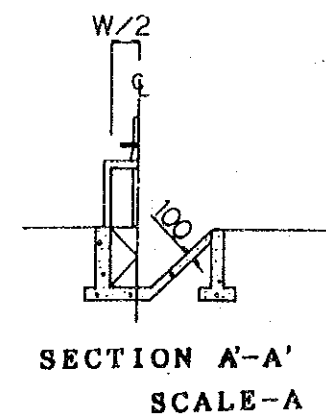
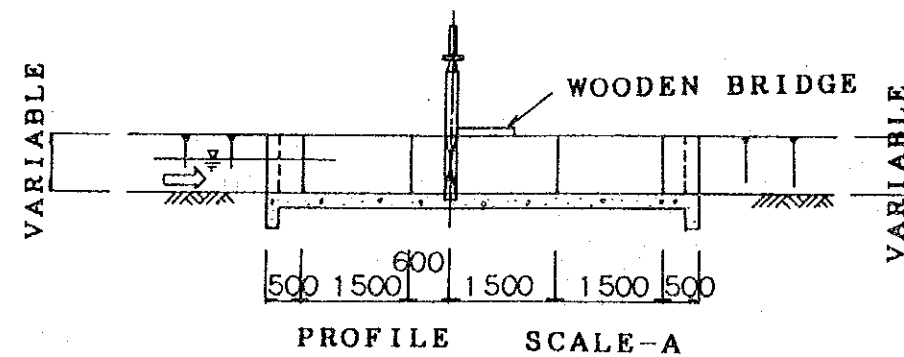
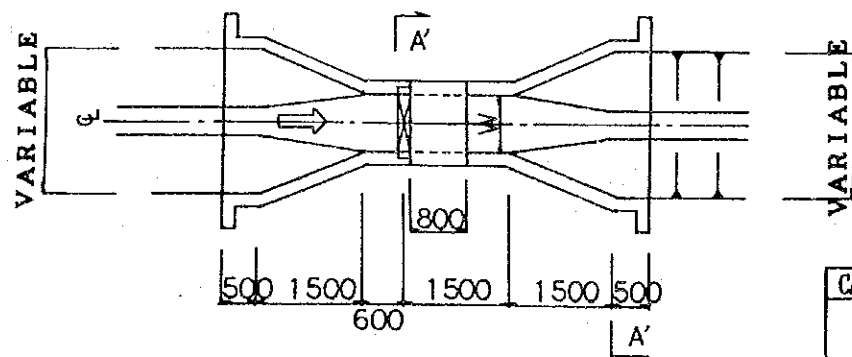
Title Of Drawing:
余水吐、落差工

31 Drawing No. I-31

CHECK TYPE I, II



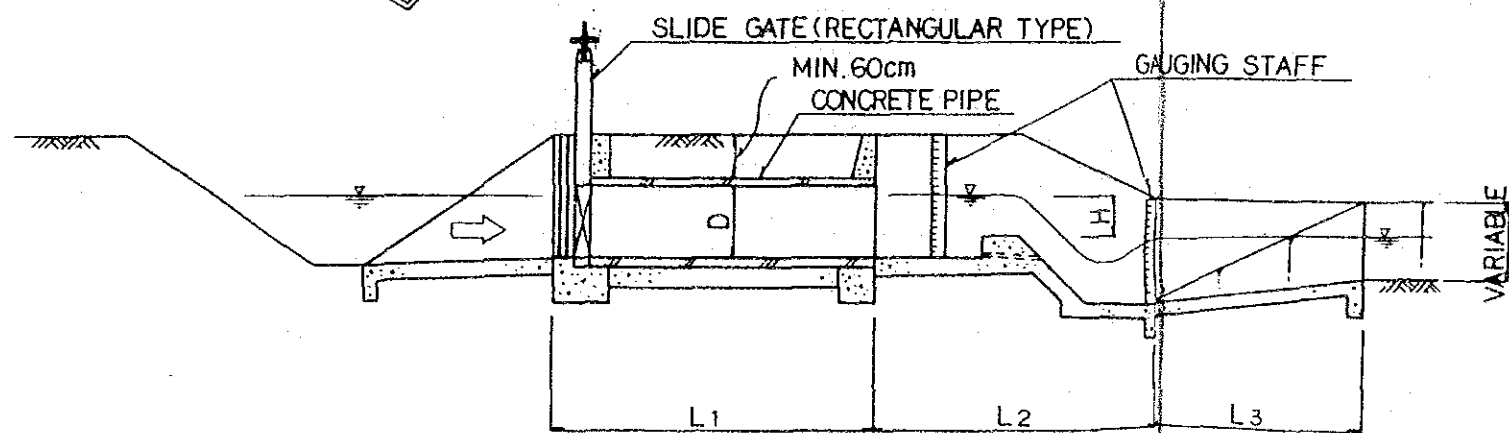
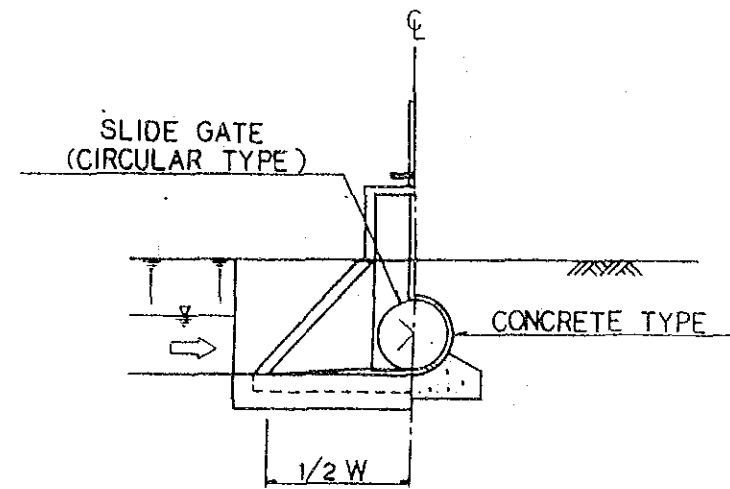
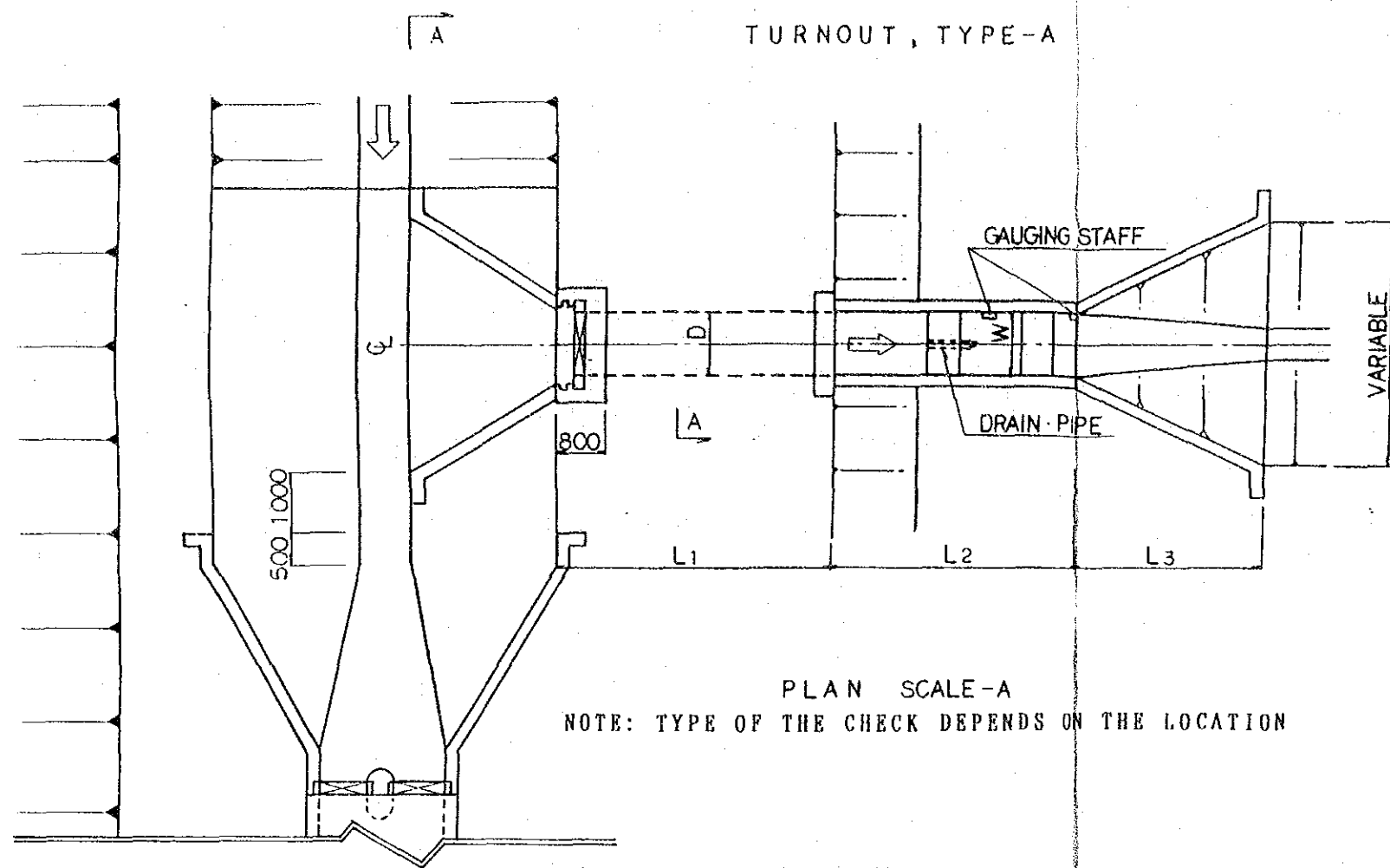
CHECK TYPE III-V



CANAL TYPE	I	Q(m ³ /s)	CHECK TYPE	W(mm)
A	1/4000	1.26	I	800
		0.32	IV	800
B	1/4000	0.77~0.72	II	600
		0.40~0.35	IV	800
C	1/3000	0.79	II	600
		0.32~0.25	IV	800
	1/4000	0.23~0.21	V	600
		0.47~0.41	III	1000
D	1/3000	0.29	IV	800
		0.29~0.21	III	1000
E	1/2000	0.24~0.21	IV	800
		0.21	V	800
F	1/1000	0.21	IV	800

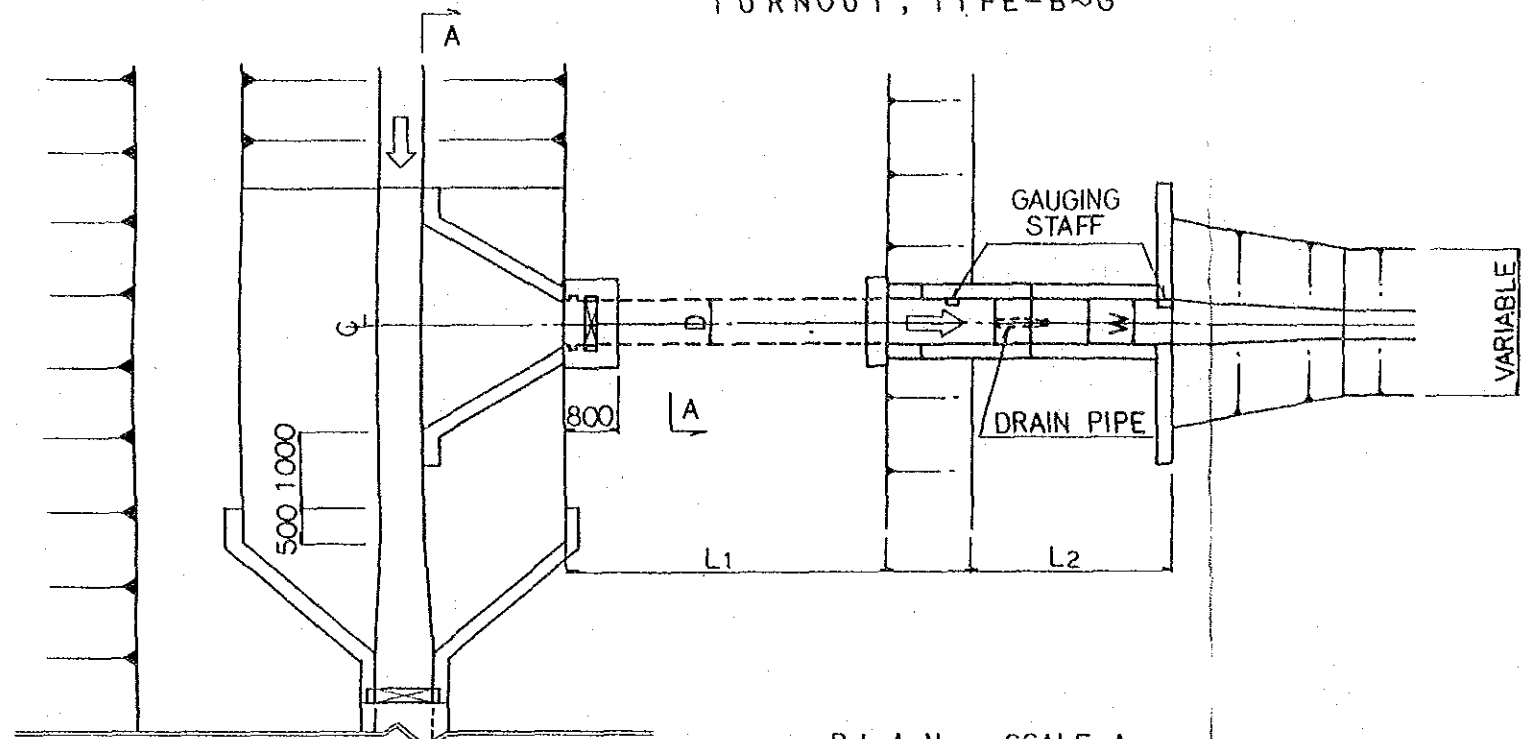
1: RIVER BED SLOPE

INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:
調節堰
3.2 Drawing No. 1-32



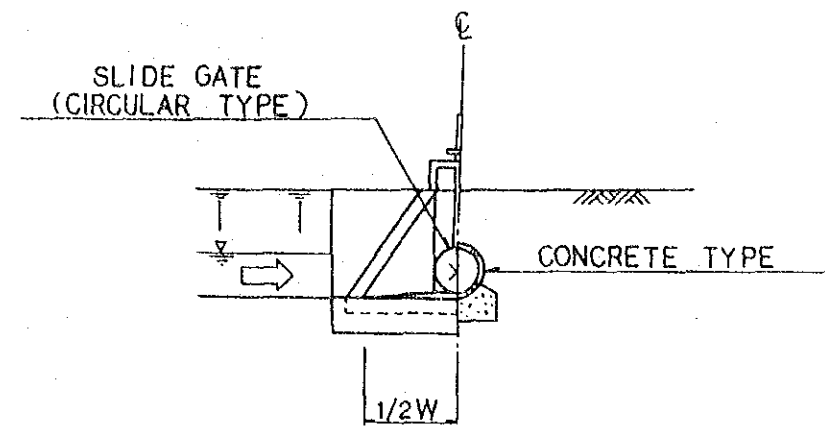
INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: 分水工 (1/2)	
33	Drawing No. 1-33

TURNOUT, TYPE-B~G

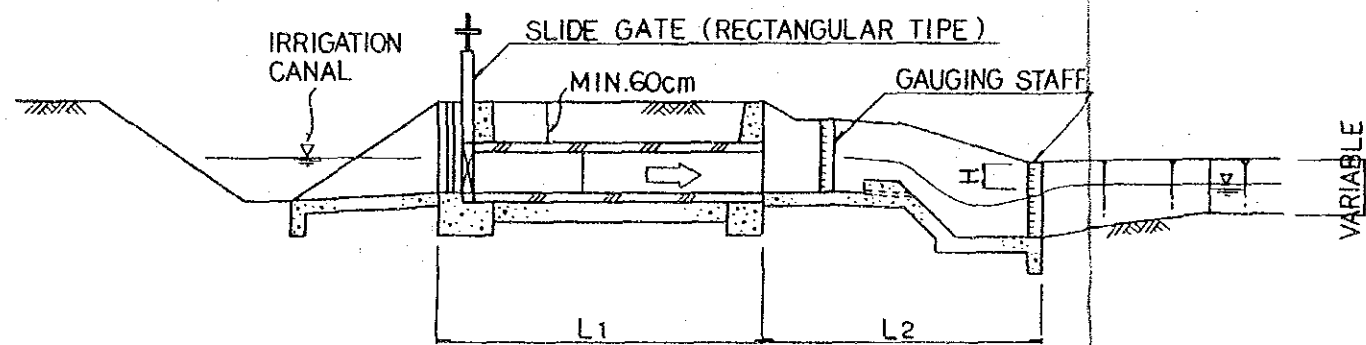


PLAN SCALE-A

NOTE: TYPE OF THE CHECK DEPENDS ON THE LOCATION



SECTION A-A SCALE-A



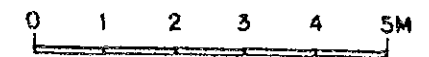
PROFILE SCALE-A

DIMENSION

UNIT: mm

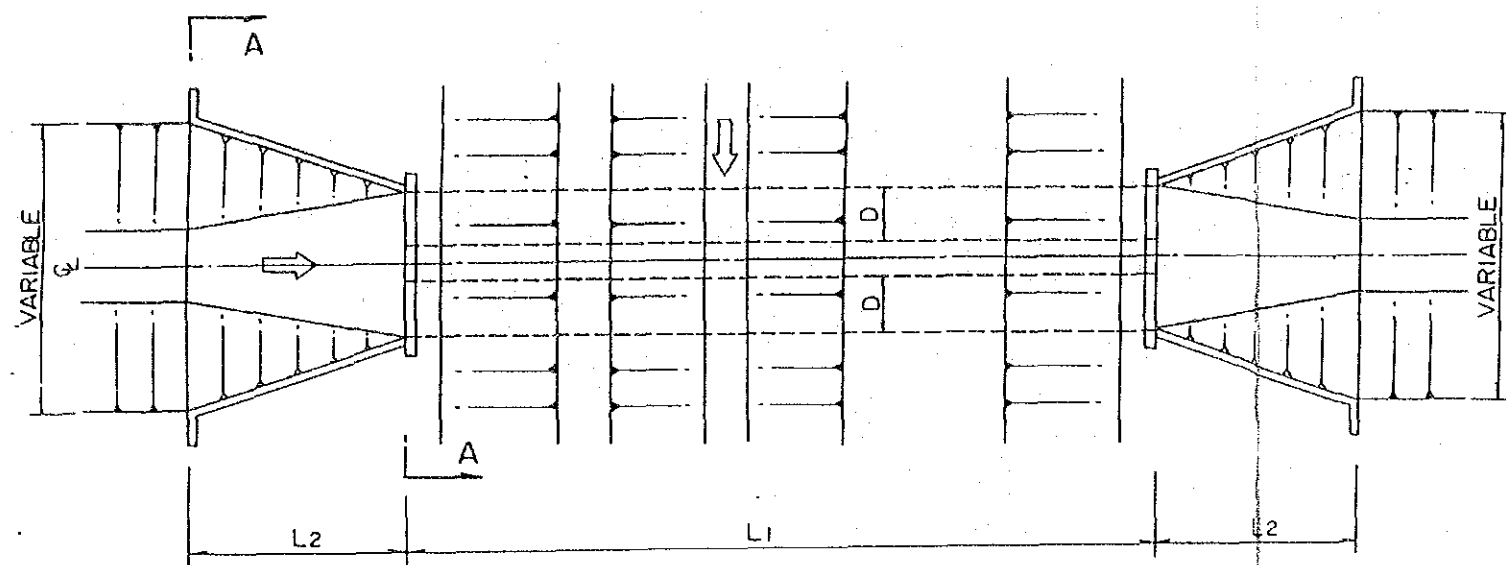
TYPE	PIPE	Q(m ³ /s)	D	L ₁	L ₂	L ₃	W	H
A	φ 1 000	0.5 ~ 0.2	1 000	4 500	4 000	3 000	1 000	300
B	φ 500	0.2 ~ 0.1	500	4 500	4 000	—	500	300
C	φ 500	0.2 ~ 0.1	500	1 500	1 500	—	500	300
D	φ 300	0.1 ~ 0.05	300	4 500	4 000	—	300	300
E	φ 300	0.1 ~ 0.05	300	1 500	1 500	—	300	300
F	φ 200	0.05 ~	200	4 500	4 000	—	200	300
G	φ 200	0.05 ~	200	1 500	1 500	—	200	300

SCALE-A

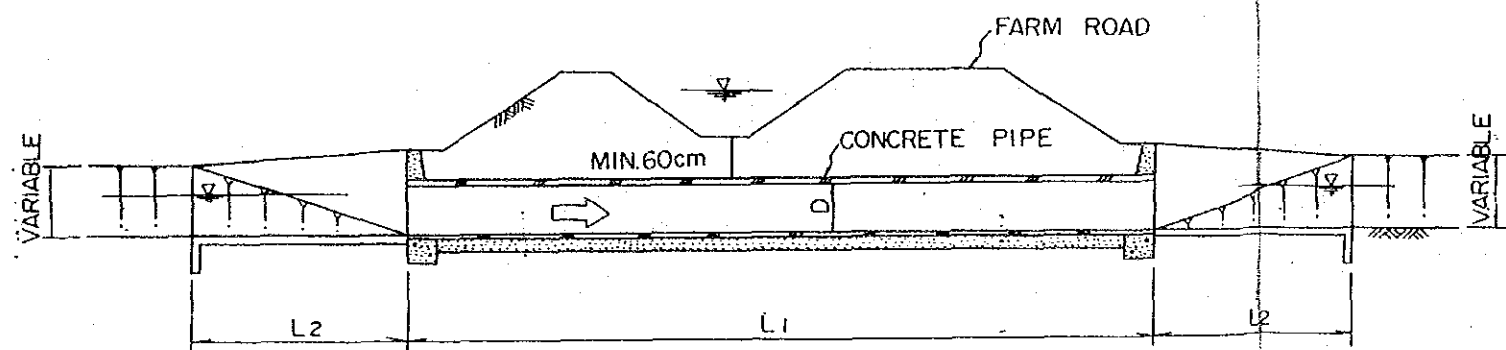


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: 分水工 (2/2)	
34	Drawing No. I-34

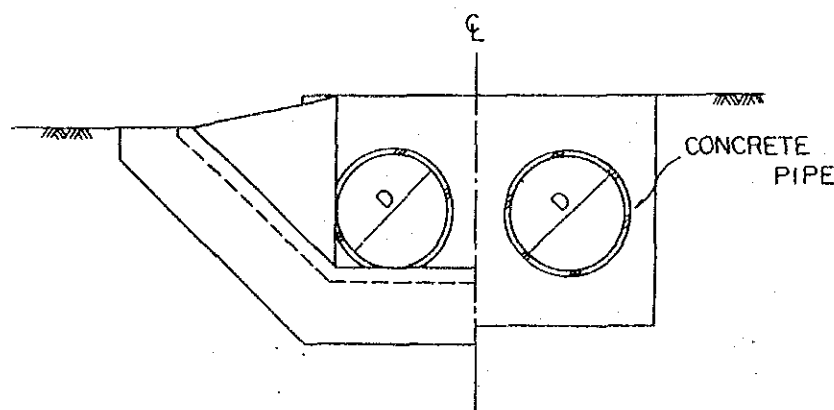
CROSS DRAIN , TYPE - A



PLAN SCALE - A

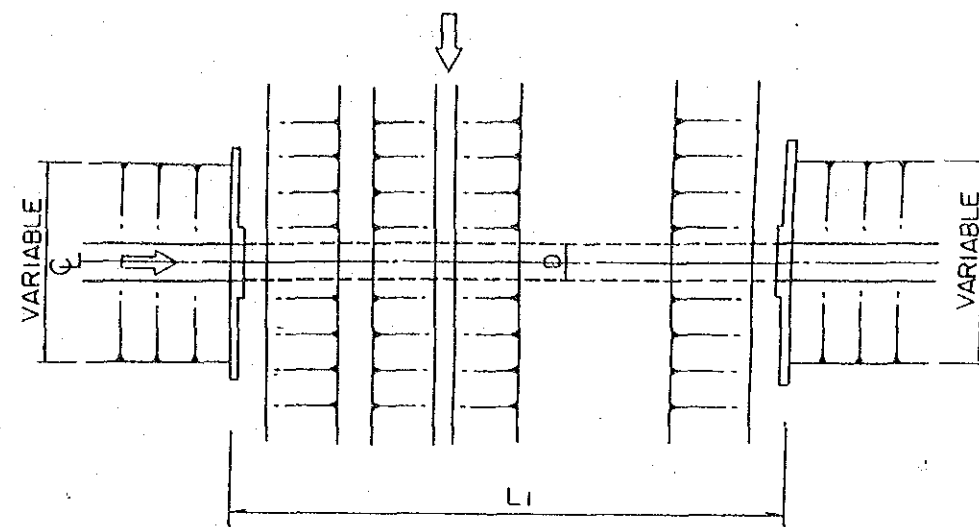


PROFILE SCALE - A

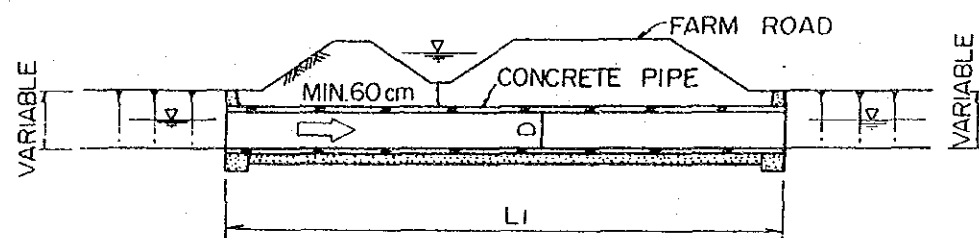


SECTION A - A SCALE - B

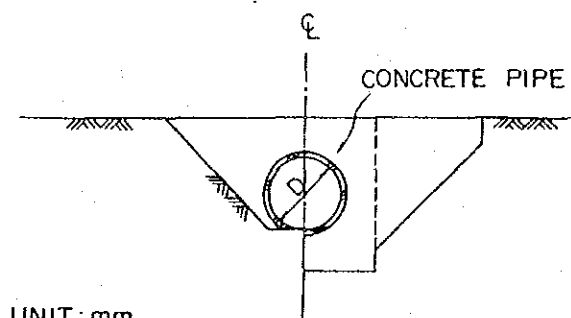
CROSS DRAIN , TYPE - B



PLAN SCALE - A



PROFILE SCALE - A

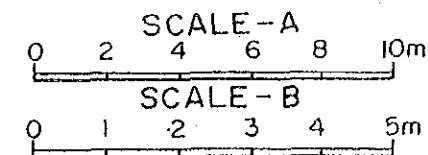


SECTION A - A SCALE - B

DIMENSION

UNIT: mm

TYPE	Q(m ³ /s)	D	L ₁	L ₂	PIPE
A	2.5~5.0	1500	12000	5000	φ1500x2Nos
B-1	1.0~2.5	1500	15000	—	φ1500
-2	1.0~2.5	1500	7000	—	φ1500
-3	0.5~1.0	1000	12000	—	φ1000
-4	0.5~1.0	1000	10000	—	φ1000
-5	0.5~1.0	1000	7000	—	φ1000
-6	0.2~0.5	800	12000	—	φ 800
-7	0.2~0.5	800	10000	—	φ 800
-8	0.2~0.5	800	7000	—	φ 800
-9	~0.2	500	3000	—	φ 500



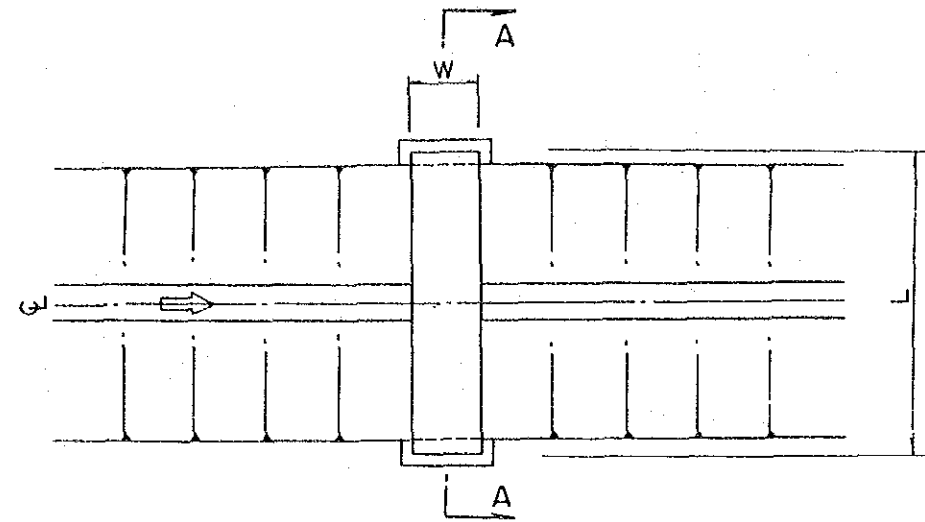
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
Title Of Drawing:

横断排水暗渠

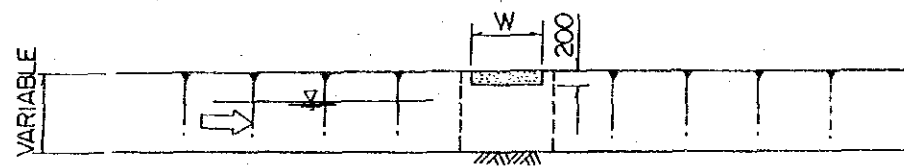
35

Drawing No. I - 35

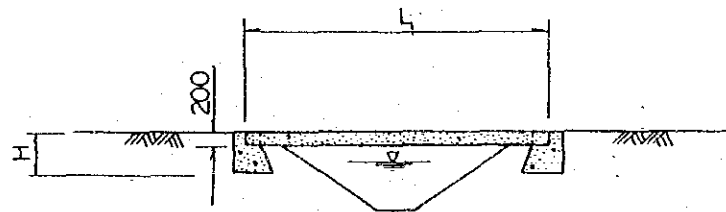
FOOTPATH BRIDGE, TYPE-A (L = 5m)



PLAN SCALE-A



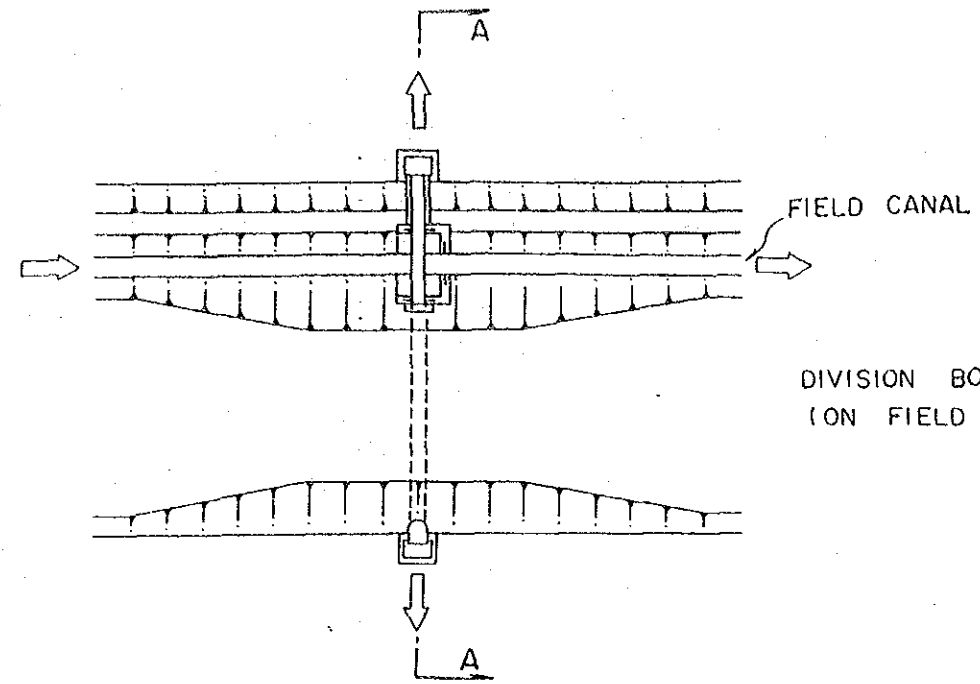
PROFILE SCALE-A



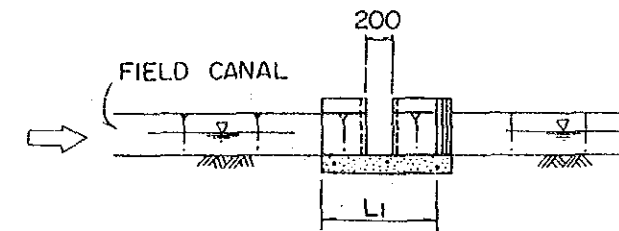
SECTION A-A SCALE-A

DIMENSION (FOOTPATH BRIDGE)
UNIT: mm

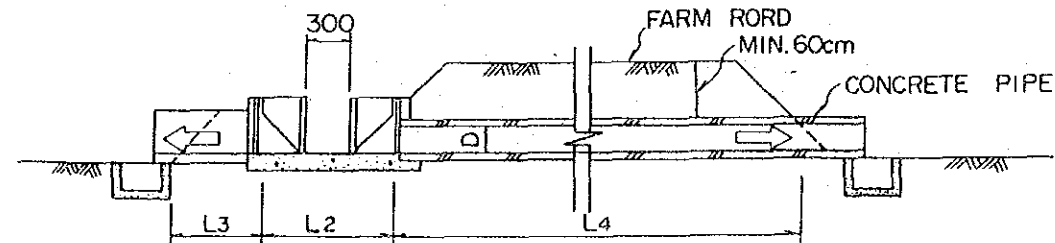
TYPE	H	W	L
A-1	600	1000	5000
-2	600	1000	4000
-3	600	1000	3000
-4	600	1000	2000



PLAN SCALE-A



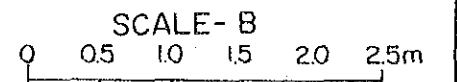
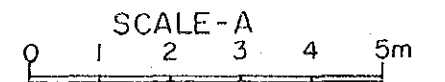
PROFILE SCALE-B



SECTION A-A SCALE-B

DIMENSION (DIVISION BOX)
UNIT: mm

TYPE	L1	L2	L3	L4
A	800	900	600	1500
B	400	500	400	500



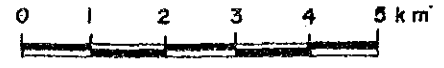
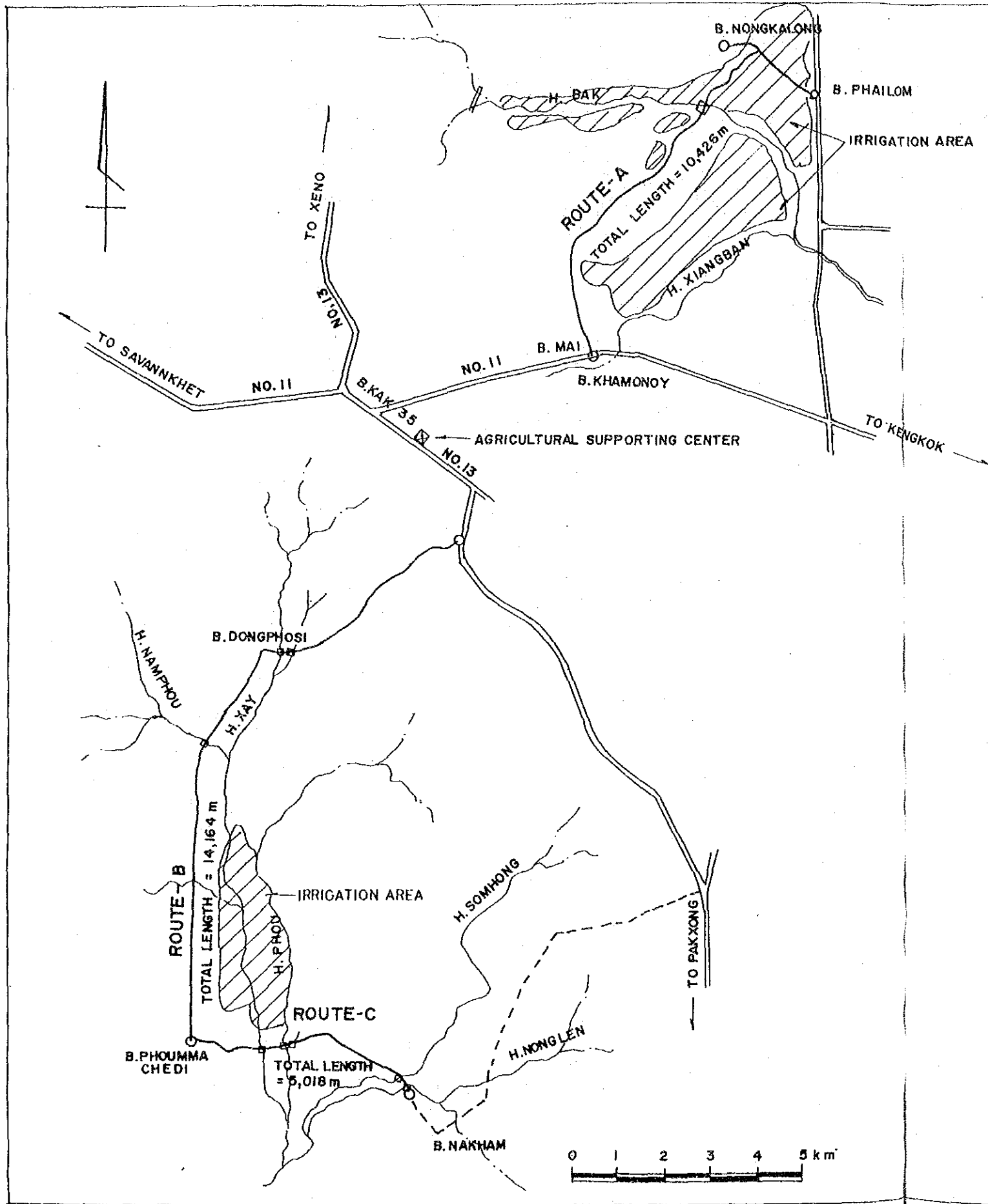
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT

Title Of Drawing:

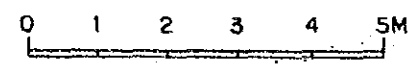
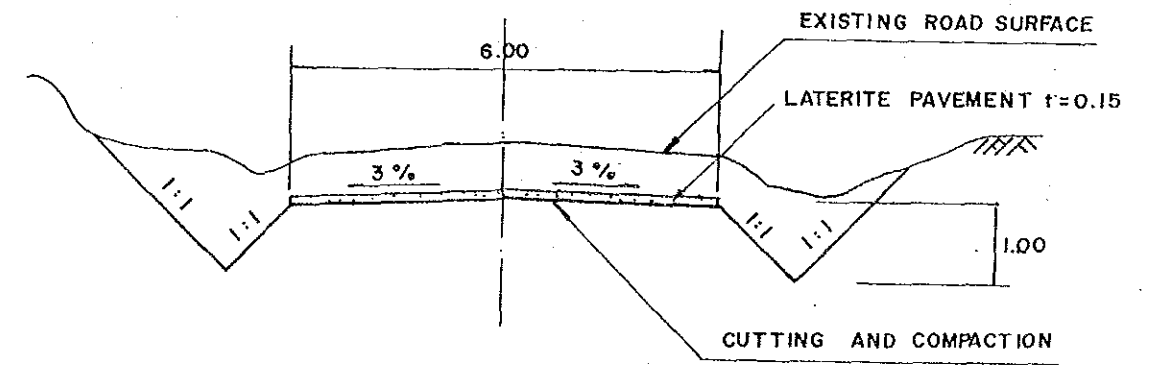
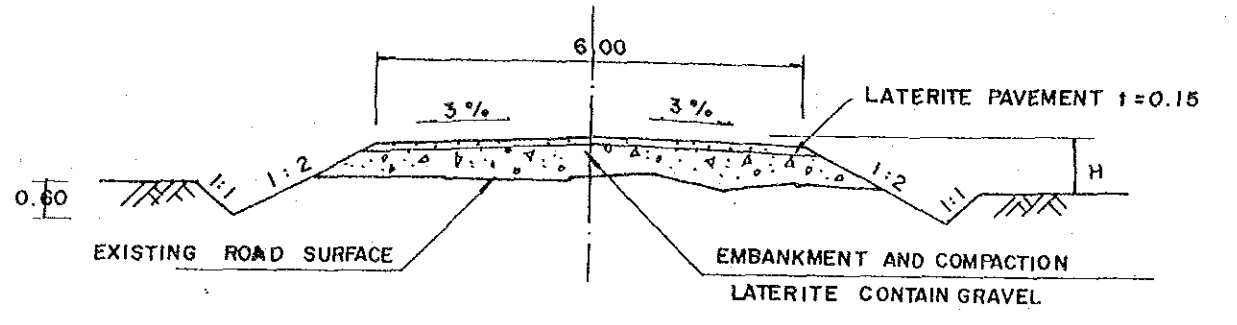
水路横断桥梁、分流坝

36

Drawing No. 1-36

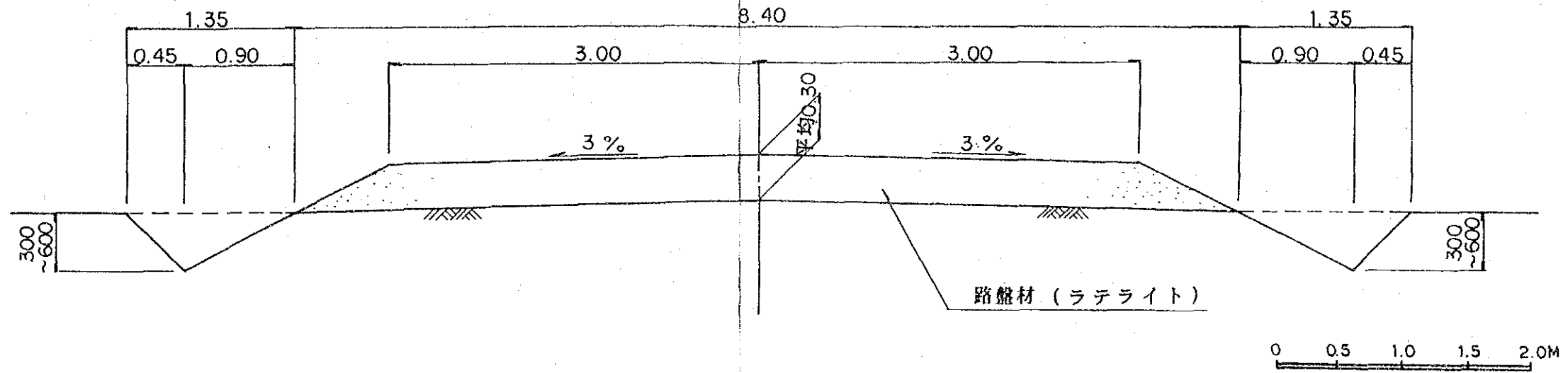


TYPICAL SECTION OF ROAD IMPROVEMENT S=1:100

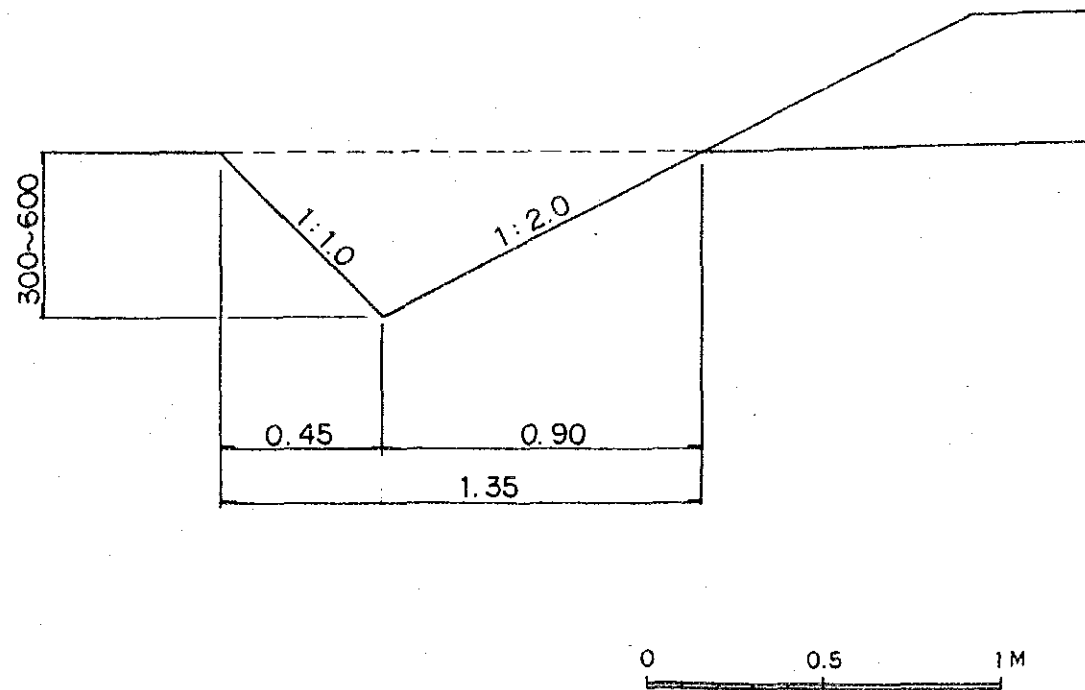


INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: 農村道路位置図及び標準断面図	
37	Drawing No. R-1.

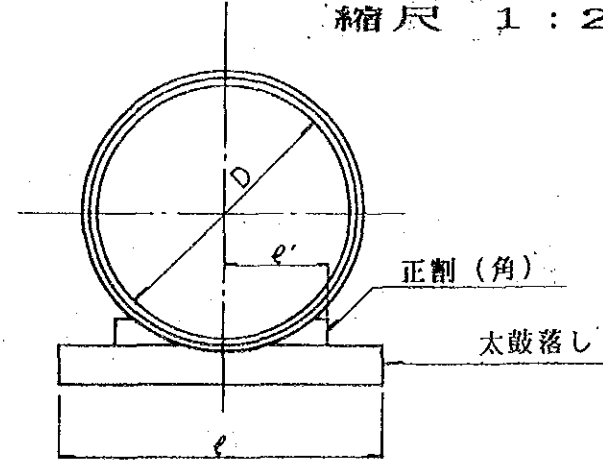
道路標準構造図



素堀側溝標準図 縮尺 1:20

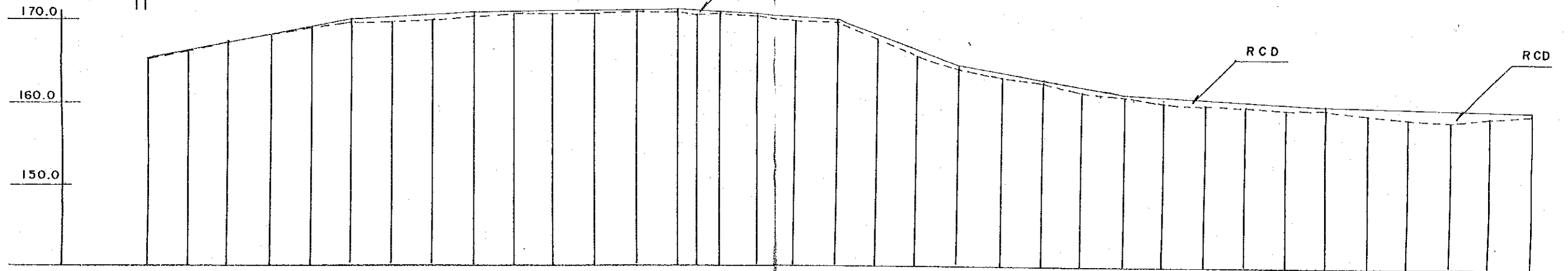
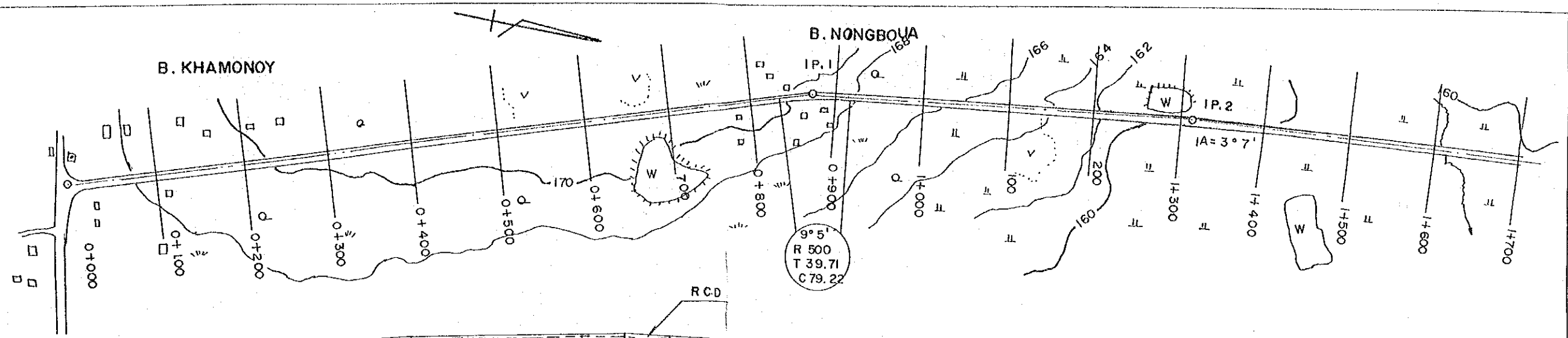


横断管埋設標準図 縮尺 1:20

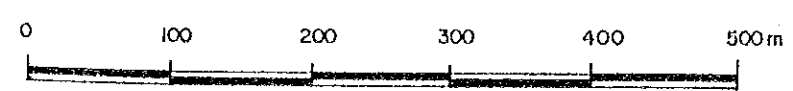


内径 D	太鼓落し		正割 (角)	
	1	末口仕上げ	1'	
150 - 300	450	105*75	150	60*60
400 - 600	600	120*90	200	60*60
700 - 1000	900	150*120	300	75*75
1000 - 1200	1200	150*120	400	75*75

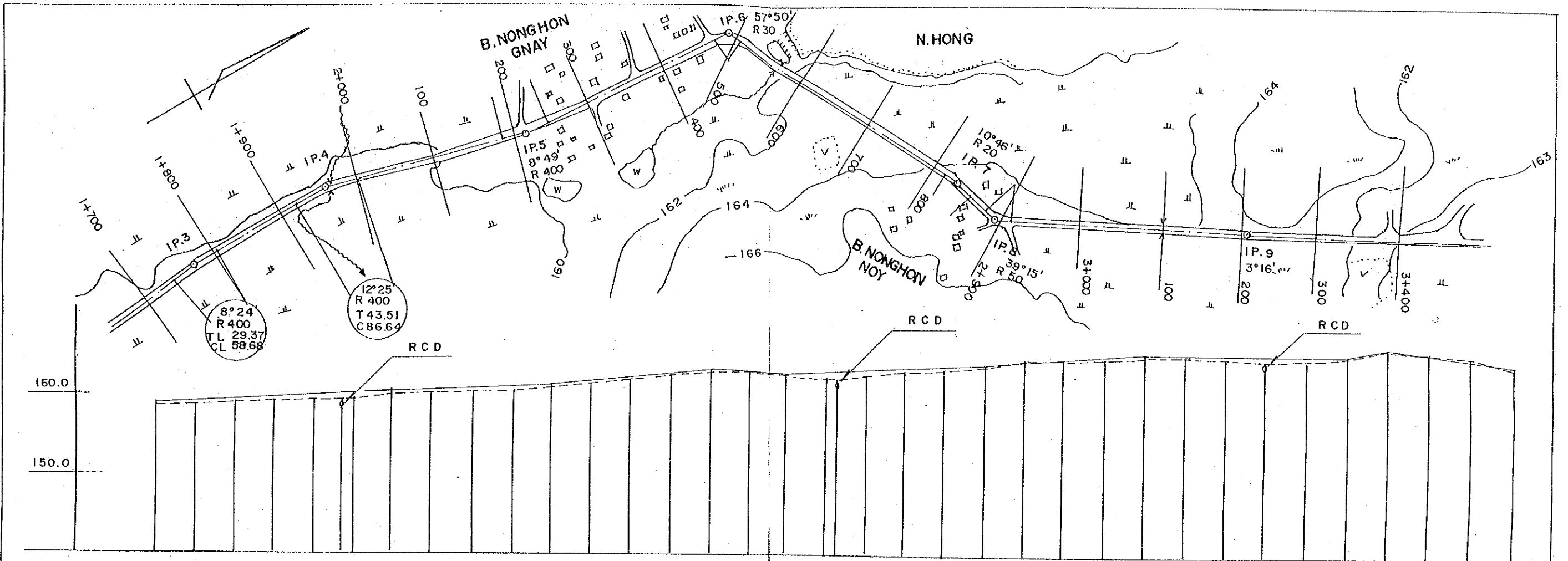
INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT	
Title Of Drawing: 道路及び 側溝標準図	
38	Drawing No. R-2



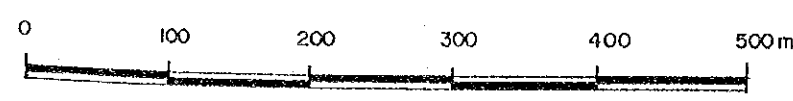
CURVE SLOPE	1.76%																	0.6%		0.28%			0.9%		3.47%			1.7%		0.56%			0.16%				
ROAD SURFAC	165.20					169.60			170.50					171.20			169.40		164.20			160.80			159.40		159.00										
GROUND LEVEL	165.11	166.23	167.40	168.14	168.90	169.43	169.86	170.03	170.21	170.34	170.59	170.86	170.86	170.96	170.63	170.74	170.37	169.82	169.25	167.55	165.38	163.94	163.01	162.21	161.18	160.44	159.72	159.43	159.37	159.15	159.13	158.65	158.27	158.08	158.28	158.67	
ACCUMULAT DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	676	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	
DISTANS	0	50	50	50	50	50	50	50	50	50	50	50	50	50	26	24	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION	0+000		0+100		0+200		0+300		0+400		0+500		0+600		0+700		0+800		0+900		1+000		1+100		1+200		1+300		1+400		1+500		1+600		1+700		



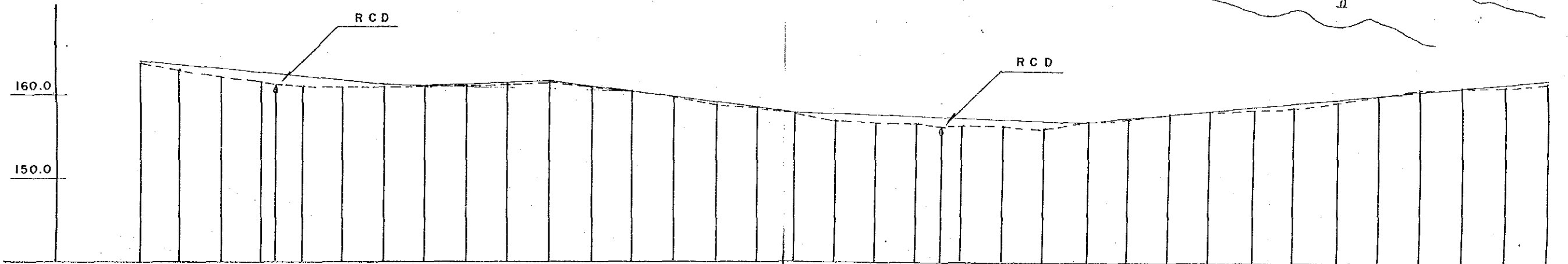
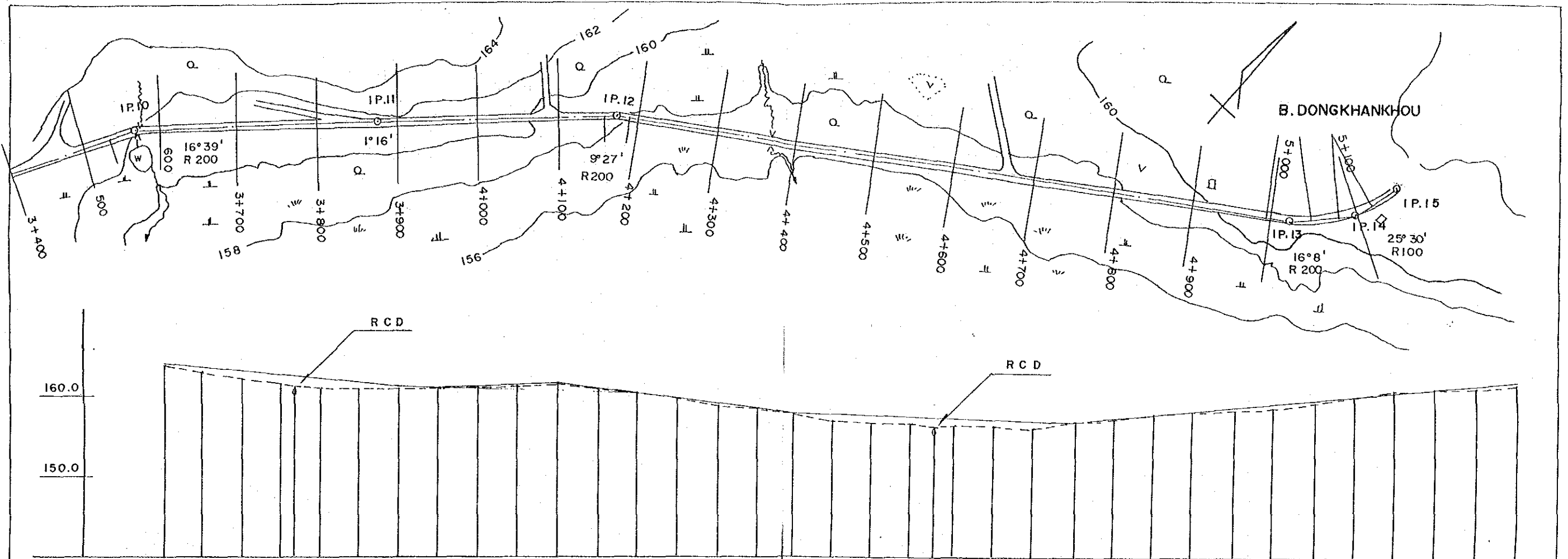
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路A縦断面図 (1/7)
39 DRAWING NO. R-3



CURVE SLOPE	0.43% 0.45% 0.9% 0.3% 0.4% 0.7% 0.04% 1.0%																																							
ROAD SURFAC	159.00																																							
GROUND LEVEL	158.67	158.91	158.99	159.15	159.37	159.39	159.76	160.01	160.15	160.43	160.68	160.99	161.61	162.03	162.62	162.64	163.07	162.78	162.90	162.04	161.80	162.35	162.96	163.25	163.70	163.90	164.35	164.35	164.76	164.99	165.02	164.59	164.42	164.46	165.29	166.00	166.00	165.66	164.99	163.87
ACCUMULAT DISTANCE	1700	1750	1800	1850	1900	1935	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2565	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400			
DISTANS	50	50	50	50	50	35	15	50	50	50	50	50	50	50	50	50	50	50	50	15	35	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
STATION	1+700		1+800		1+900		2+000		2+100		2+200		2+300		2+400		2+500		2+600		2+700		2+800		2+900		3+000		3+100		3+200		3+300		3+400					



INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT
 TITLE OF DRAWING
 農村道路A縦断面図 (2/7)
 40 DRAWING NO. R-4



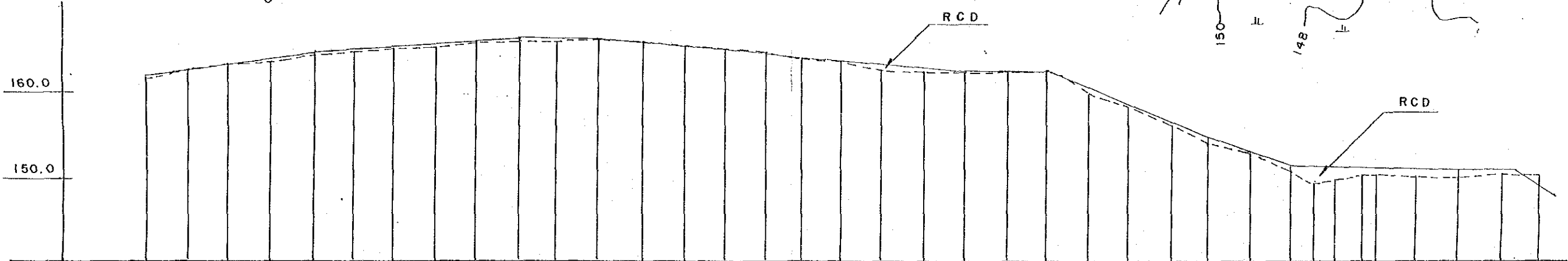
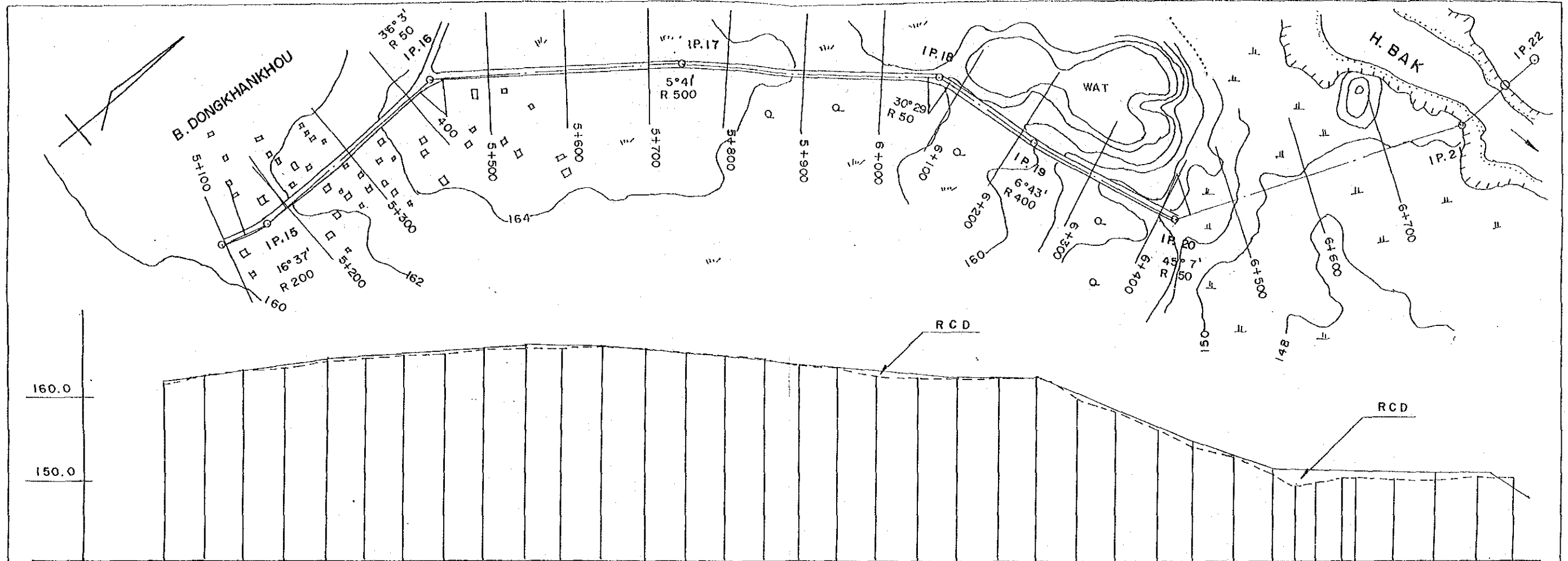
CURVE SLOPE																																					
ROAD SURFAC	<p style="text-align: center;">161.00 161.70 160.30 157.80 156.60 161.50</p>																																				
GROUND LEVEL	163.87	162.87	162.00	161.32	161.20	161.04	160.89	160.83	161.00	161.03	161.29	161.66	160.94	160.27	159.55	158.84	158.41	157.79	157.19	156.72	156.39	156.06	156.26	156.24	156.15	156.62	157.14	157.47	157.80	158.09	158.60	159.24	159.95	160.36	160.81	161.00	161.34
ACCUMULAT DISTANCE	3400	3450	3500	3550	3566	3600	3650	3700	3750	3800	3850	3900	3950	4000	4050	4100	4150	4200	4250	4300	4350	4378	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	5050	5100
DISTANS	50	50	50	50	16	34	50	50	50	50	50	50	50	50	50	50	50	50	50	50	28	22	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
STATION	3+400		3+500			3+600		3+700		3+800		3+900		4+000		4+100		4+200		4+300		4+400		4+500		4+600		4+700		4+800		4+900		5+000		5+100	



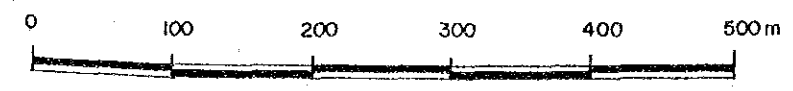
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT

TITLE OF DRAWING
農村道路A縦断面図 (3/7)

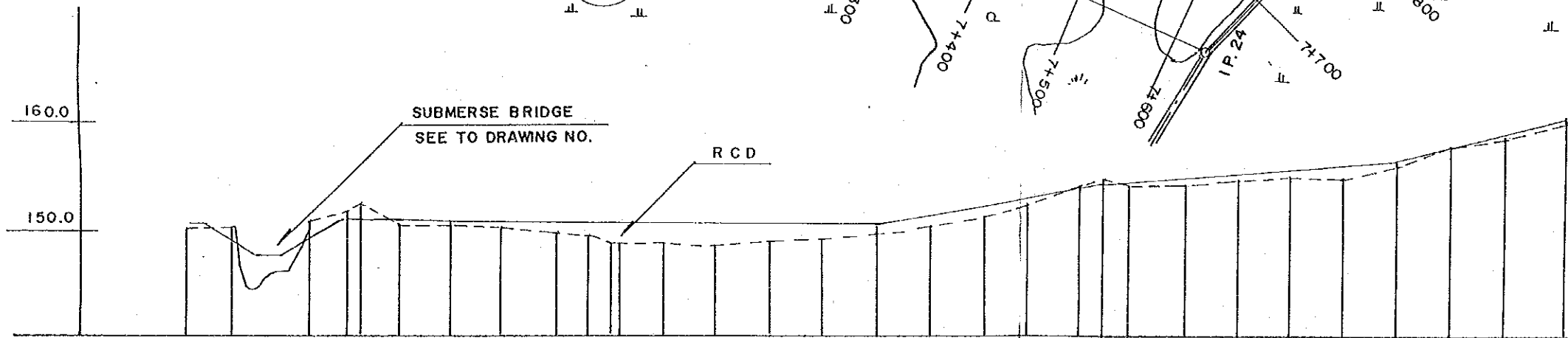
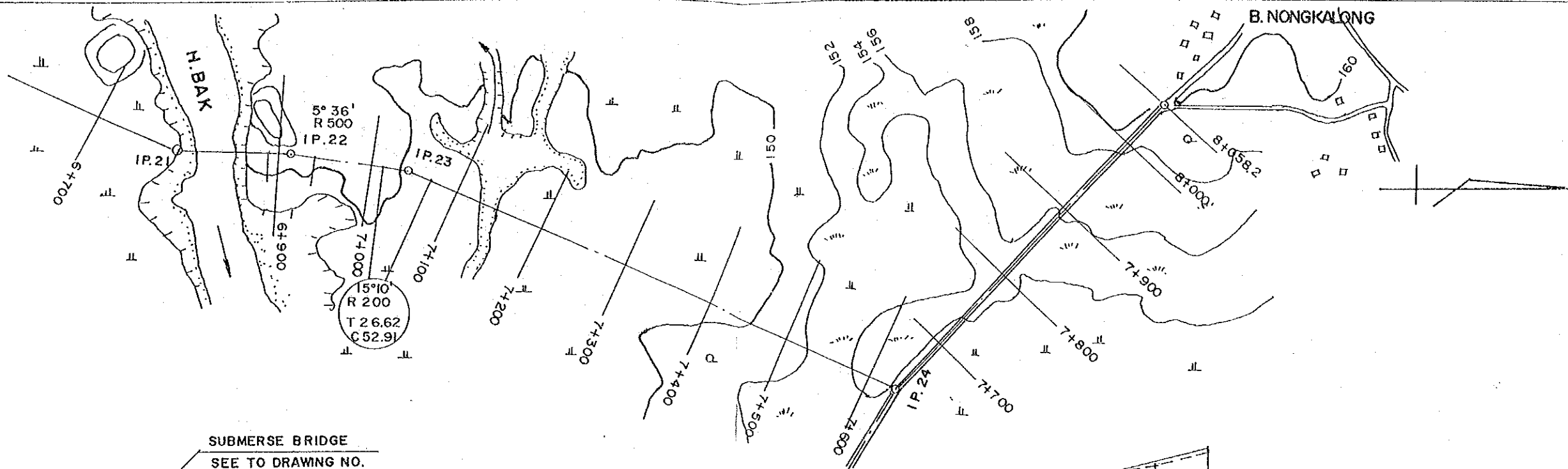
4 1 DRAWING NO. R-5



CURVE SLOPE																																					
ROAD SURFAC	161.50		164.20		166.20	166.10											162.30	162.30		154.50	150.90				150.50	150.50											
GROUND LEVEL	161.34	162.33	162.98	163.52	164.00	164.51	164.94	165.39	165.86	166.04	166.12	166.13	165.82	165.21	165.03	164.43	163.99	163.18	162.50	162.05	162.21	162.29	162.32	159.67	158.16	156.22	154.13	152.85	150.63	149.73	150.08	150.16	150.15	150.05	150.00	150.25	150.23
ACCUMULAT DISTANCE	5100	5150	5200	5250	5300	5350	5400	5450	5500	5550	5600	5650	5700	5750	5800	5850	5900	5950	6000	6050	6100	6150	6200	6250	6300	6350	6400	6450	6500	6526	6550	6578	6600	6650	6700	6750	6796.1
DISTANS	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	26	24	28	22	50	50	50	18.30	
STATION	5+100		5+200		5+300		5+400		5+500		5+600		5+700		5+800		5+900		6+000		6+100		6+200		6+300		6+400		6+500		6+600		6+700		IP. 21		



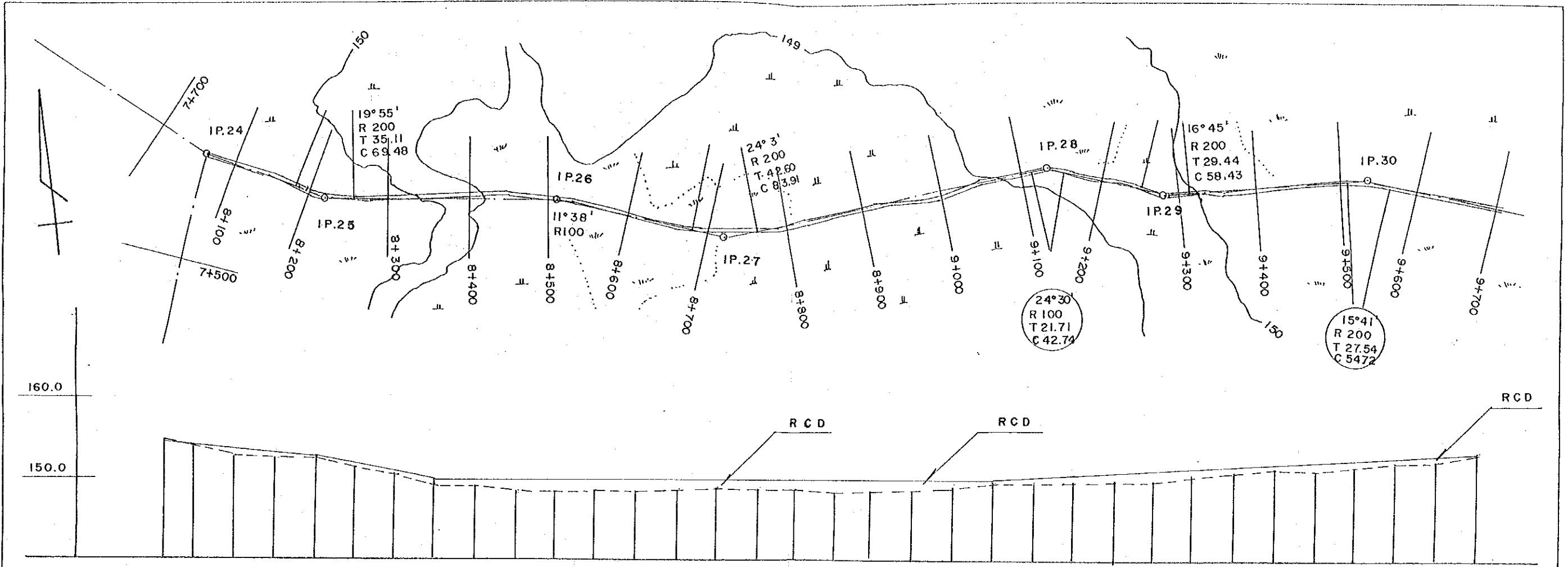
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路A縦断図 (4/7)
4 2 DRAWING NO. R - 8



CURVE SLOPE	6.4% 7.4% 0.56% 0.125% 1.95% 0.78% 2.34%																																
ROAD SURFAC	150.50	147.30	151.00	150.40							149.90								154.40	160.20													
GROUND LEVEL	150.25	150.23	151.93	150.20	150.12	149.95	149.75	148.40	148.52	148.60	148.62	148.67	148.95	149.63	150.08	151.33	152.48	154.22	154.67	153.94	154.05	154.34	154.78	155.01	156.20	157.96	158.80	160.12					
ACCUMULAT DISTANCE	6750	6796.16	6804.66	6868.36	6900	6916	6950	7000	7050	7100	7131	7150	7156	7200	7250	7300	7350	7400	7450	7500	7550	7600	7631.2	7650	7700	7750	7800	7850	7900	7950	8000	8058.2	
DISTANS	50	46.16	8.50	72.20	31.64	16	34	50	50	50	31	19	6	44	50	50	50	50	50	50	50	31.2	18.8	50	50	50	50	50	50	50	58.2		
STATION	6+750	IP. 21	6+800	6+900	7+000	7+100	7+200	7+300	7+400	7+500	7+600	IP. 24	7+700	7+800	7+900	8+000																	



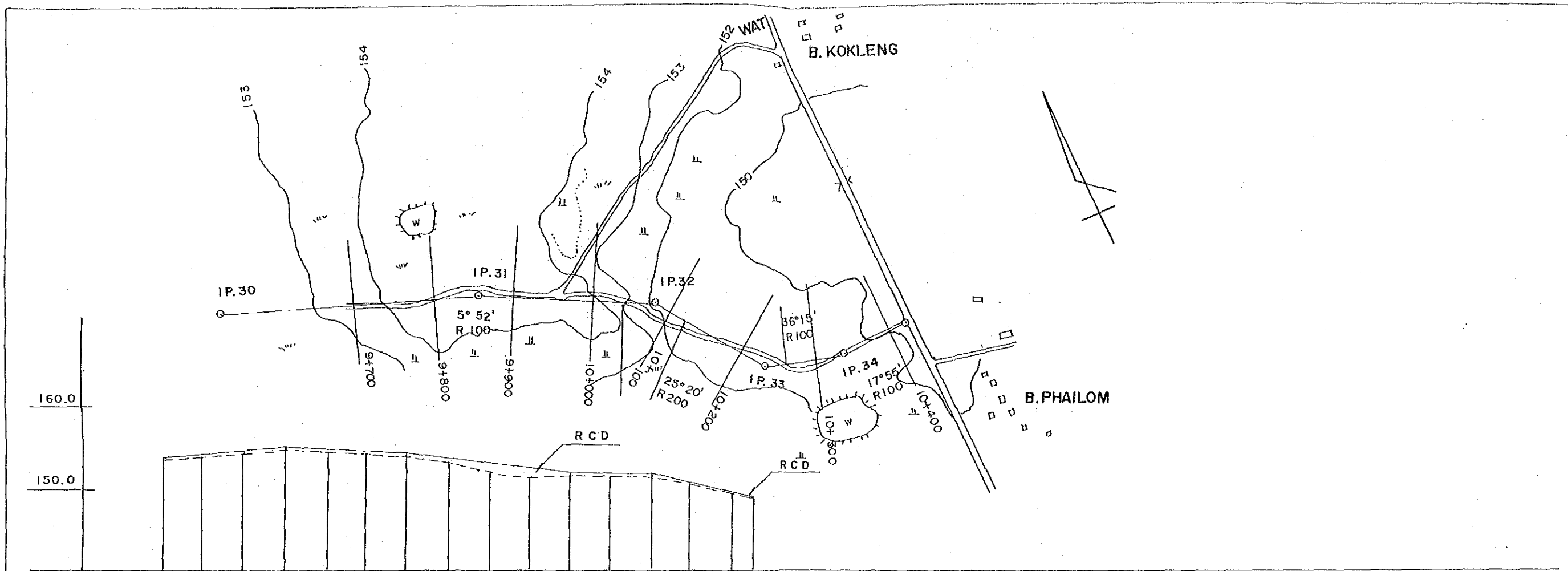
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路A縦断面図 (5/7)
43 DRAWING NO. R-17



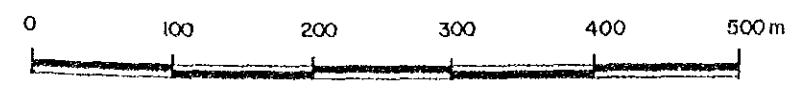
CURVE SLOPE	0.85 %			1.93 %			LEVEL																	0.67 %																									
ROAD SURFAC	154.40			152.70			149.80													149.80								153.80																					
GROUND LEVEL	154.67	153.77	152.85	152.45	152.55	151.14	150.21	149.26	149.03	148.70	148.62	148.51	148.46	148.40	148.35	148.67	148.78	148.38	148.13	148.39	149.01	149.50	149.61	149.77	149.81	149.94	150.66	150.99	151.20	151.64	151.72	152.11	152.86	153.72															
ACCUMULAT DISTANCE	(763.12) 8058.2	8100	8150	8200	8250	8300	8350	8400	8450	8500	8550	8600	8650	8700	8750	8800	8850	8900	8950	9000	9050	9100	9150	9200	9250	9300	9350	9400	9450	9500	9550	9600	9650	9700															
DISTANS		41.8	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50														
STATION	IP.24 8+100			8+200			8+300			8+400			8+500			8+600			8+700			8+800			8+900			9+000			9+100			9+200			9+300			9+400			9+500			9+600			9+700



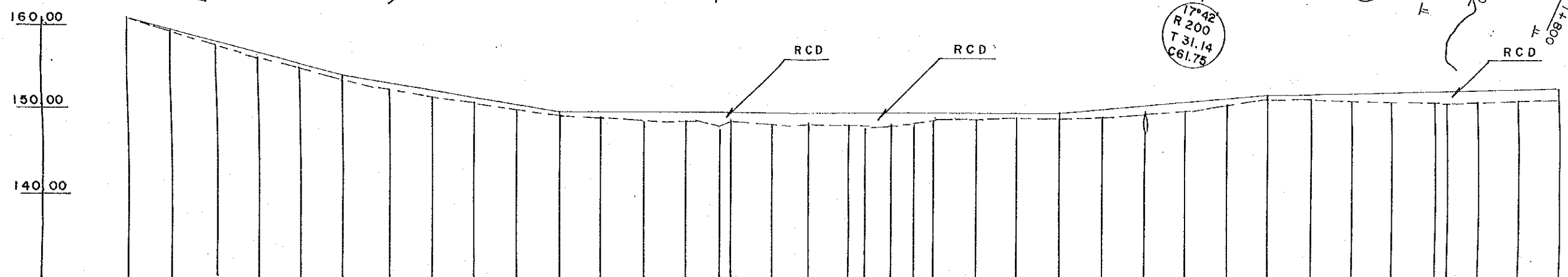
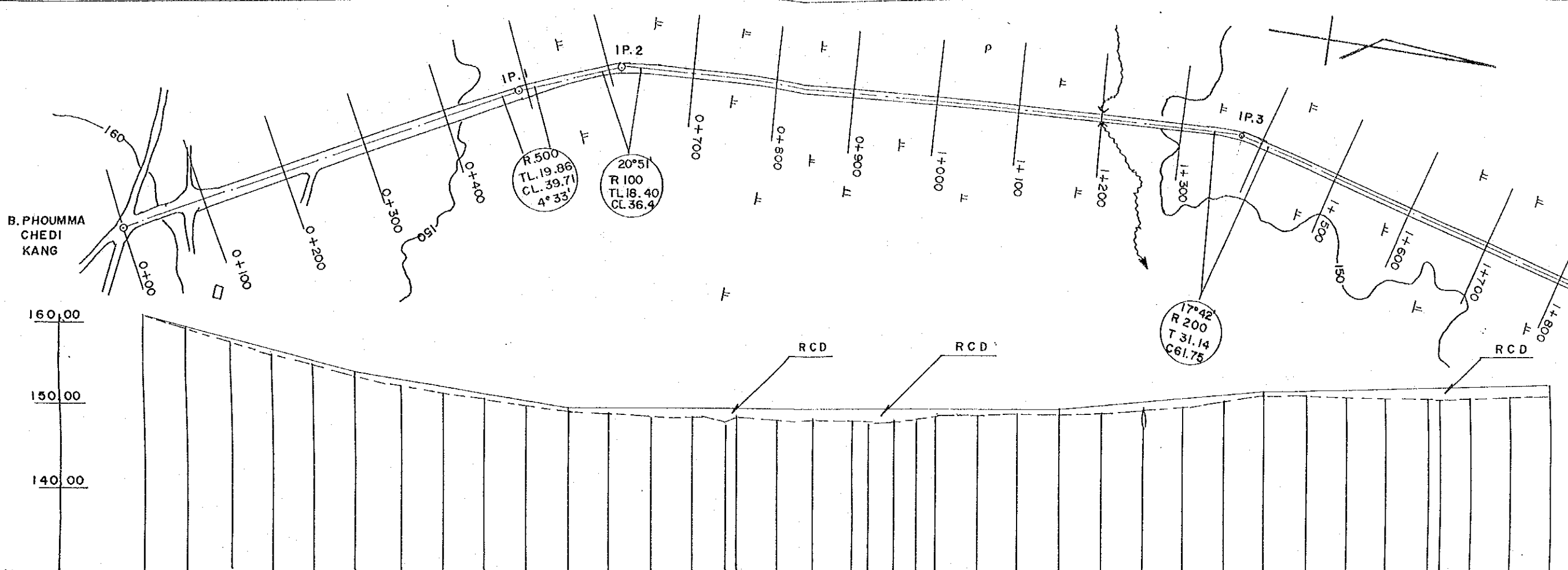
INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT
 TITLE OF DRAWING
 農村道路 A 縦断面図 (6/7)
 44. DRAWING NO. R-8



CURVE SLOPE															
ROAD SURFAC	153.80			155.30			154.50			152.00			151.60		149.50
GROUND LEVEL	153.72	154.09	154.65	155.05	154.83	154.42	154.15	153.43	152.07	151.64	151.72	151.40	151.33	150.87	149.96
ACCUMULAT DISTANCE	9700	9750	9800	9850	9900	9950	10000	10050	10100	10150	10200	10250	10300	10350	10400
DISTANS	50	50	50	50	50	50	50	50	50	50	50	50	50	50	26
STATION	9+700		9+800		9+900		10+000		10+100		10+200		10+300		10+400
															10+426



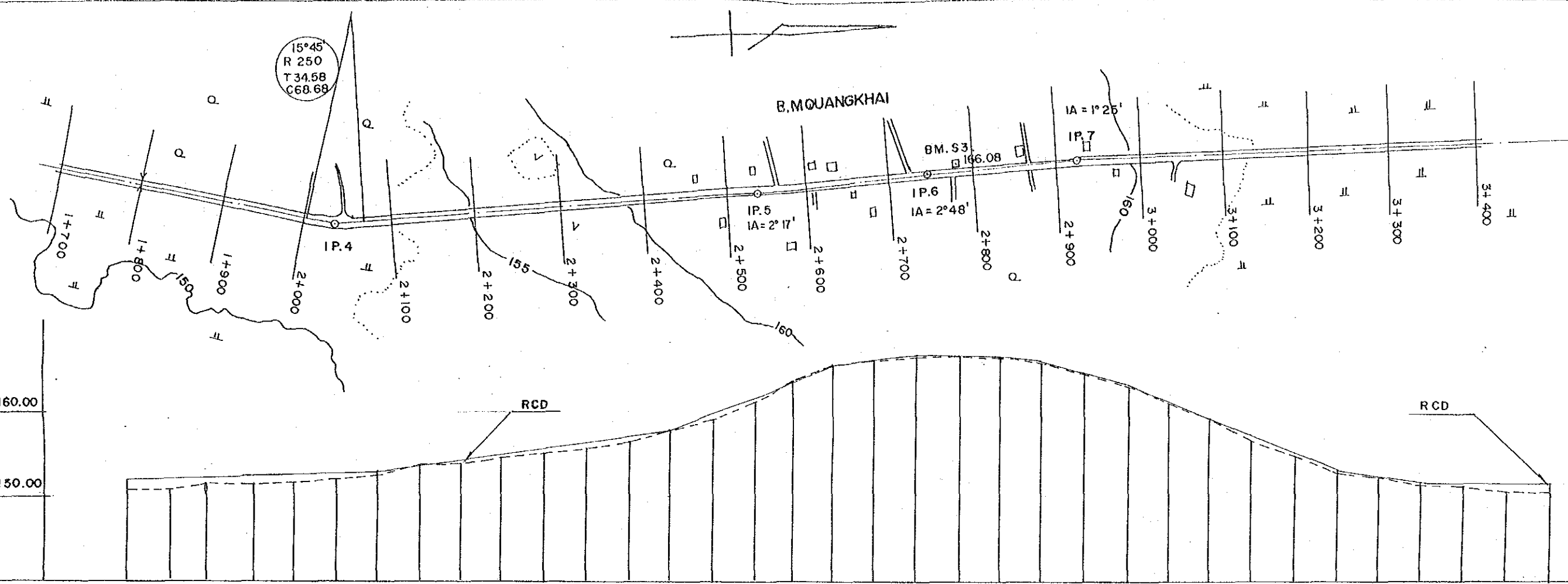
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路A縦断図 (7/7)
45 DRAWING NO. R - 9



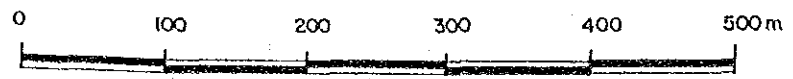
CURVE SLOPE																																											
ROAD SURFAC	160.90				153.40					149.50								149.20			151.20				151.96																		
GROUND LEVEL	160.91	158.96	157.60	156.34	155.02	153.23	151.98	151.10	150.22	149.73	149.27	149.22	148.91	148.61	148.39	148.27	147.78	148.24	148.08	148.17	148.00	147.63	148.26	148.14	148.42	148.53	148.80	148.79	148.89	149.29	147.64	149.58	150.34	150.85	150.93	150.99	150.65	150.52	150.55	150.30	150.57	150.68	150.79
ACCUMULAT DISTANCE	0	50	100	150	200	250	300	350	400	450	500	550	600	650	690	700	750	800	850	866.5	900	927	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1562	1600	1650	1700				
DISTANS	0	50	50	50	50	50	50	50	50	50	50	50	50	50	40	10	50	50	50	16.50	33.50	27.00	23.00	50	50	50	50	50	50	50	50	50	50	50	50	12	38	50	50				
STATION	0+000		0+100		0+200		0+300		0+400		IP.1 0+500		0+600	IP.2	0+700		0+800		0+900		1+000		1+100		1+200		1+300	IP.3	1+400		1+500		1+600		1+700								



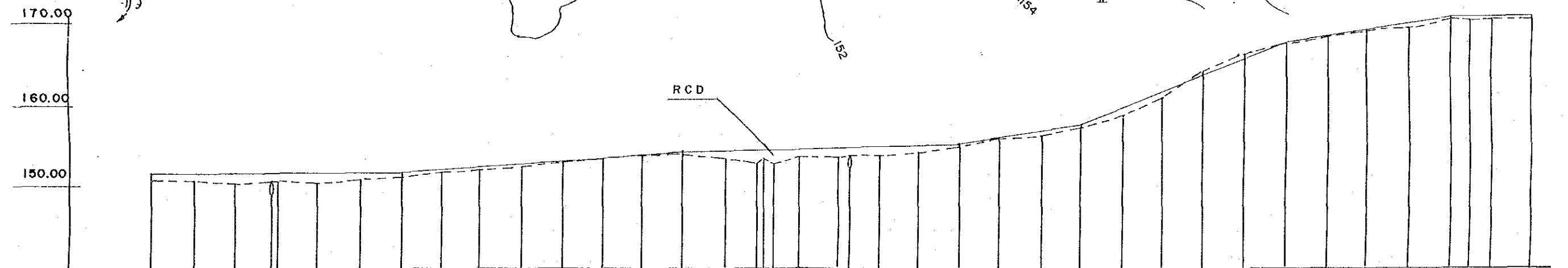
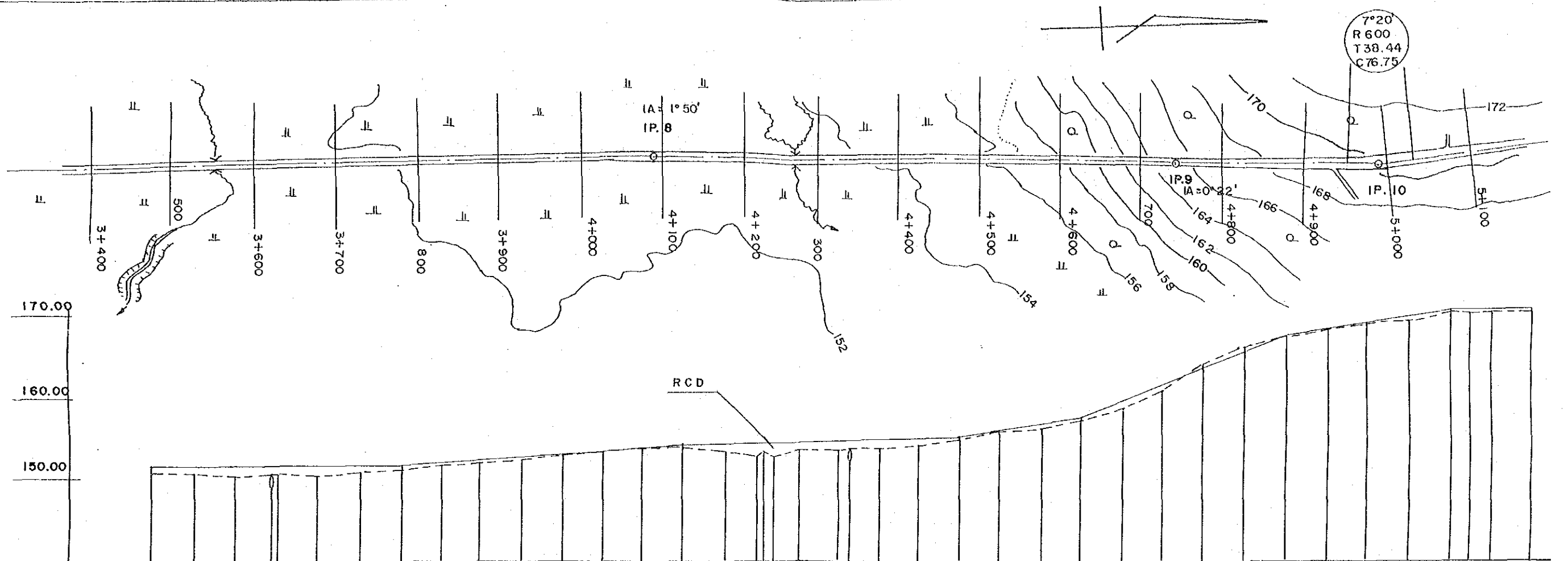
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路B縦断図 (1/9)
48 DRAWING NO. R - 10



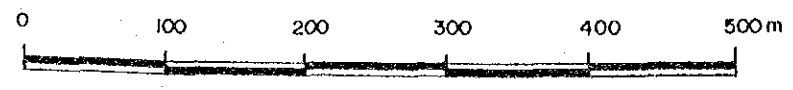
STATION	DISTANS	ACCUMULAT DISTANCE	GROUND LEVEL	ROAD SURFAC	CURVE SLOPE
1+700	50	1700	150.79	151.96	0.22%
1+750	50	1750	150.90		
1+800	45	1795	151.23		
1+850	5	1800	151.30		
1+900	50	1850	151.24		
1+950	50	1900	151.34		
1+950	50	1950	152.03		
2+000	50	2000	152.38	152.60	1.60%
2+050	50	2050	153.40		
2+100	50	2100	153.60		
2+150	50	2150	153.93		
2+200	50	2200	154.30		
2+250	50	2250	155.02		
2+300	50	2300	155.61		
2+350	50	2350	156.65		
2+400	50	2400	158.12	158.20	3.65%
2+450	50	2450	159.89		
2+500	50	2500	161.18		
2+550	50	2550	163.88	165.50	1.0%
2+600	50	2600	165.03		
2+650	50	2650	165.36	166.50	0.67%
2+700	50	2700	165.90		
2+750	50	2750	166.65	166.60	2.60%
2+800	50	2800	166.48		
2+850	50	2850	166.12	165.60	3.96%
2+900	50	2900	165.47		
2+950	50	2950	164.21	163.00	1.20%
3+000	50	3000	162.87		
3+050	50	3050	162.07		
3+100	50	3100	161.10	153.10	0.04%
3+150	50	3150	159.03		
3+200	50	3200	156.89	151.90	
3+250	50	3250	154.83		
3+300	50	3300	152.90		
3+350	50	3350	152.13		
3+400	50	3400	151.62	150.66	
3+450	50	3450	151.16		
3+500	50	3500	150.66		
3+550	50	3550	150.33		



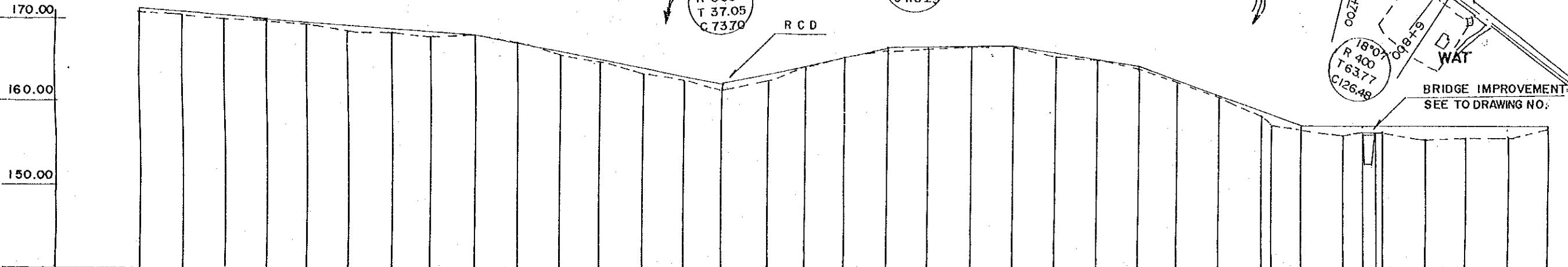
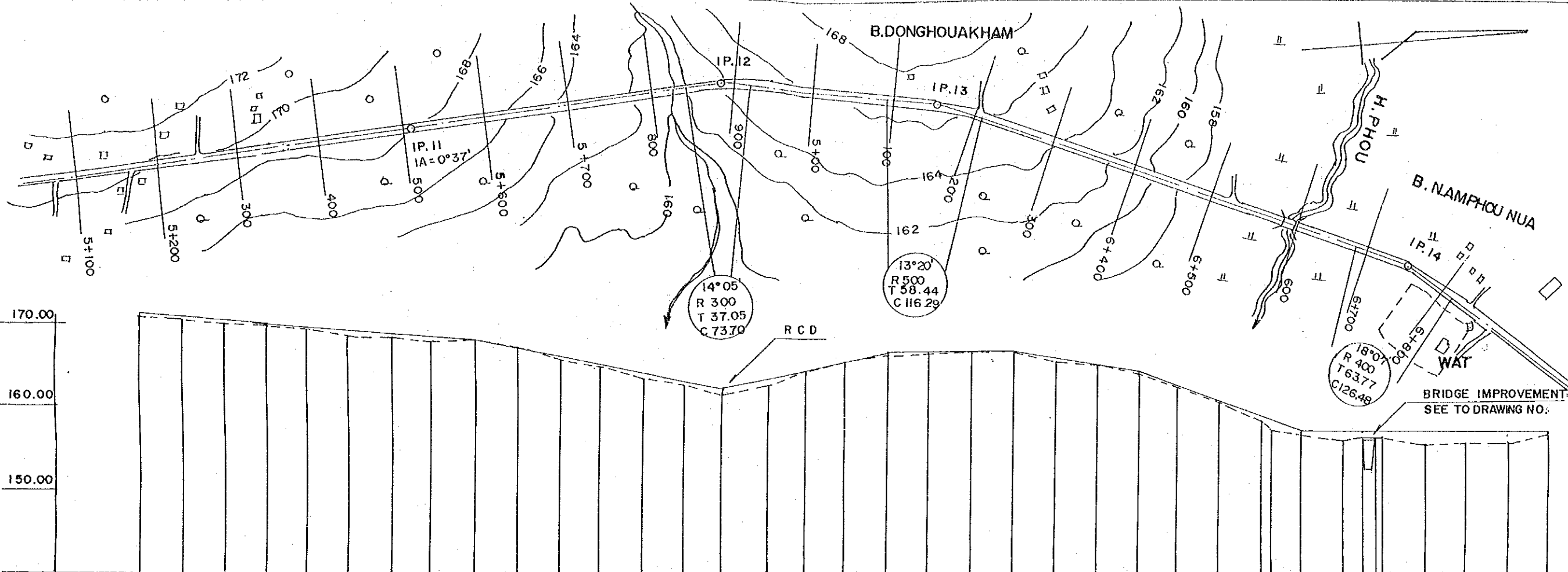
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路B縦断面 (2/9)
47 DRAWING NO. R-1.1



CURVE SLOPE	0.04% 0.60% 0.28% 1.6% 4.16% 1.45% 0.1%																																										
ROAD SURFAC	151.70 153.80 154.80 157.20 167.60 170.50 170.60																																										
GROUND LEVEL	150.33	150.19	150.06	150.33	150.26	150.05	150.52	151.12	151.65	152.04	152.27	153.08	153.21	153.47	153.59	153.56	153.32	152.85	153.28	152.64	153.34	153.35	153.36	153.58	153.98	154.59	155.30	156.21	157.02	158.41	160.83	164.18	166.36	166.52	167.55	168.40	169.05	169.69	170.50	170.51	170.30	170.59	170.47
ACCUMULAT DISTANCE	3400	3450	3500	3546.25	3550	3600	3650	3700	3750	3800	3850	3900	3950	4000	4050	4100	4143	4150	4162	4200	4250	4267	4300	4350	4400	4450	4500	4550	4600	4650	4700	4750	4800	4850	4900	4950	5000	5022	5050	5100			
DISTANS	50	50	50	46.25	3.75	50	50	50	50	50	50	50	50	50	50	50	43	7	12	38	50	17	33	50	50	50	50	50	50	50	50	50	50	50	50	50	50	22	28	50			
STATION	3+400		3+500			3+600		3+700		3+800		3+900		4+000		IP. 8 4+100			4+200			4+300		4+400		4+500		4+600		4+700	IP. 9		4+800		4+900		IP. 10		5+000		5+100		



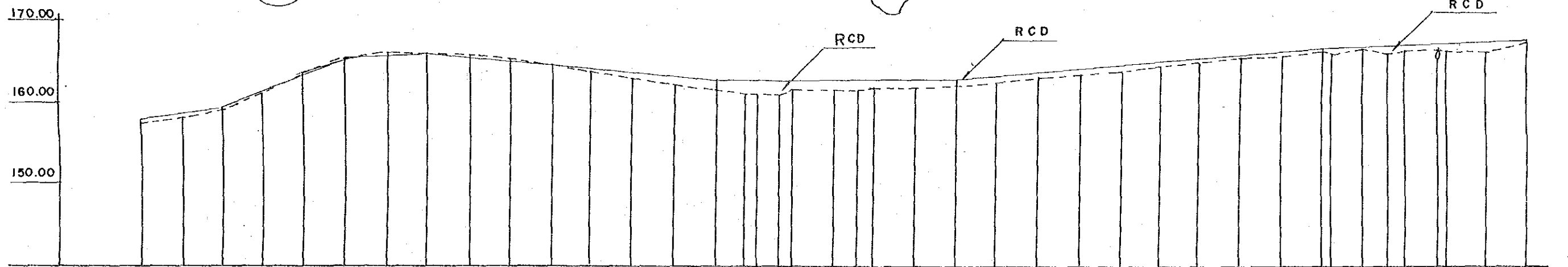
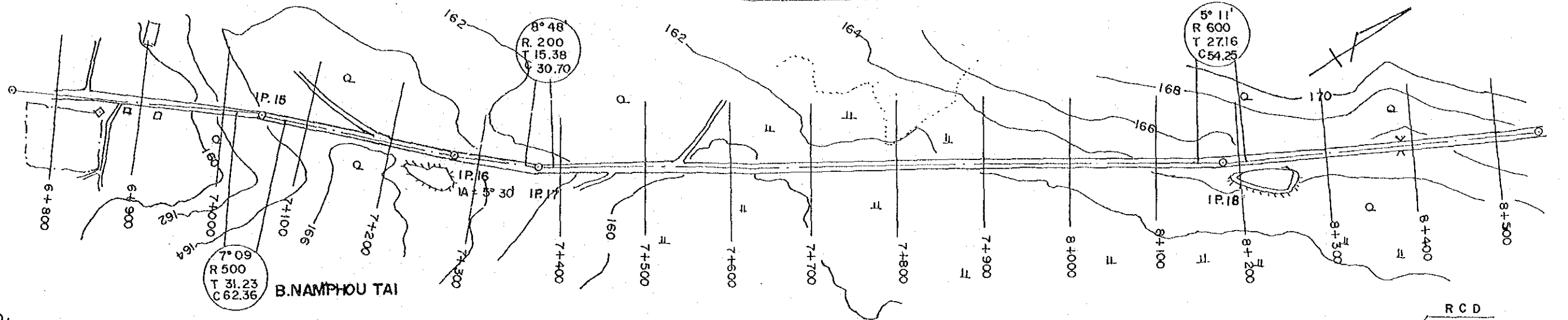
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路B縦断面図 (3/9)
4.8 DRAWING NO. R-12



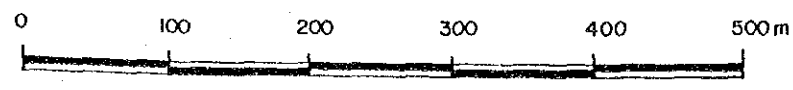
CURVE SLOPE	0.65% 2.0% 2.20% 0.27% 1.86% 3.3% LEVEL																																											
ROAD SURFAC	170.60																																											
GROUND LEVEL	170.47	170.28	169.82	169.42	169.10	168.51	168.21	167.89	168.03	167.99	167.89	166.90	165.65	164.46	163.12	162.27	161.63	161.75	162.76	164.37	164.61	165.61	166.29	166.67	166.76	166.72	166.71	165.65	164.98	163.92	162.59	160.89	158.49	157.68	156.98	156.65	156.94	156.97	156.87	156.09	156.35	156.53	156.38	157.39
ACCUMULAT DISTANCE	5100	5150	5200	5250	5300	5350	5400	5445	5450	5500	5550	5600	5650	5700	5750	5795	5800	5850	5900	5950	6000	6050	6100	6150	6200	6250	6300	6350	6400	6450	6461	6500	6550	6575	6589	6600	6650	6700	6750	6800				
DISTANS	50	50	50	50	50	50	50	45	5	50	50	50	50	50	50	45	5	50	50	50	50	50	50	50	50	50	50	50	50	11	11	39	50	25	14	50	50	50	50					
STATION	5+100		5+200		5+300		5+400		5+500	IP.11		5+600		5+700		5+800	IP.12	5+900		6+000		6+100		6+200	IP.13		6+300		6+400		6+500		6+600		6+700	IP.14		6+800						



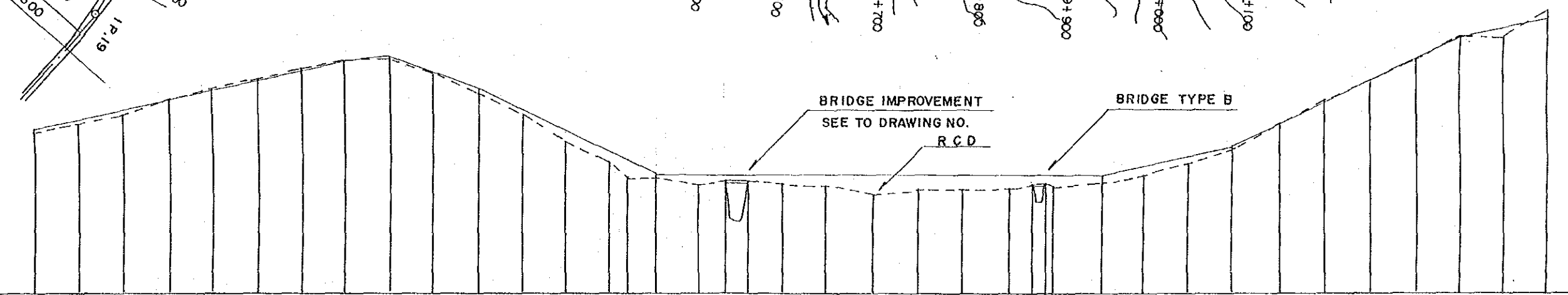
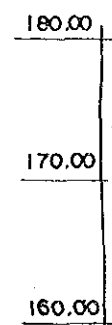
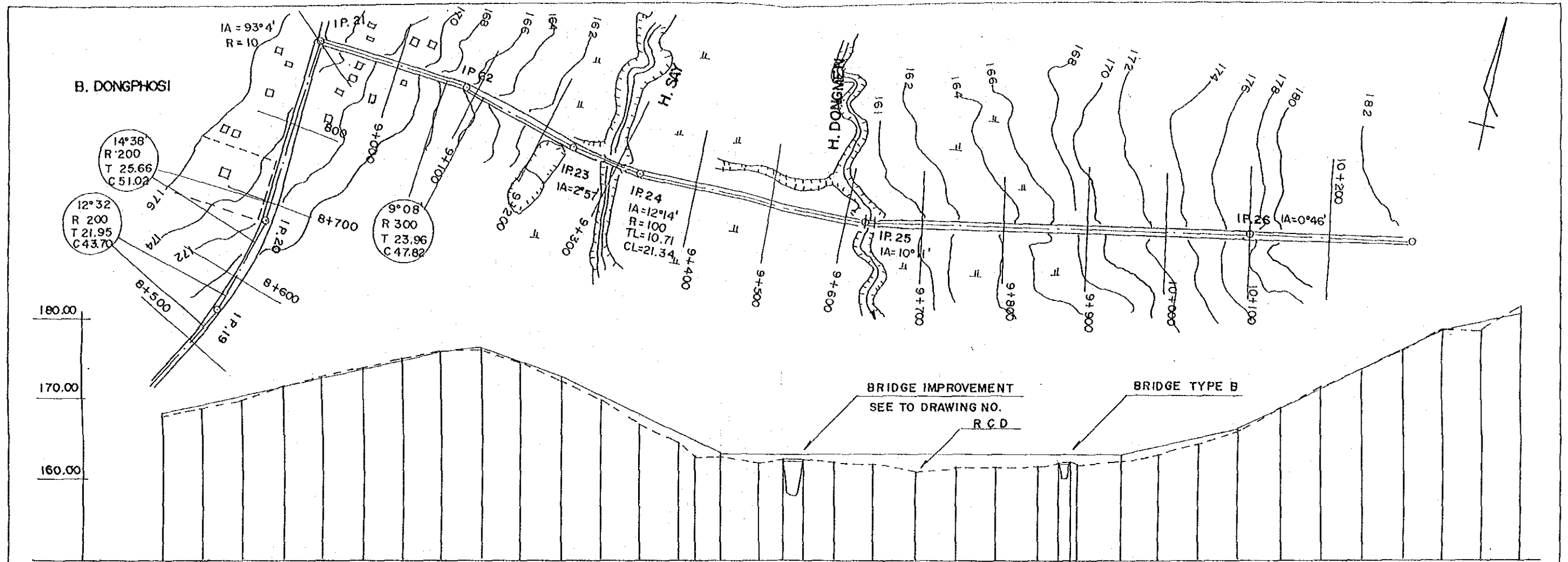
INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT
 TITLE OF DRAWING
 農村道路B縦断面図(4/9)
 49 DRAWING NO. R-13



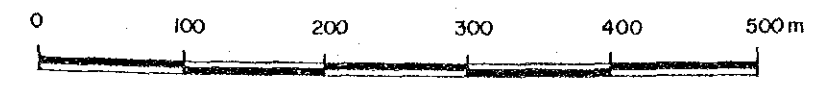
CURVE SLOPE	LEVEL																																														
	1.8%		3.93%			0.8%		0.93%			1.15%					0.91%					0.52%																										
ROAD SURFAC	157.40		159.20		165.10		165.90		164.50		162.20		162.20		166.30		167.60																														
GROUND LEVEL	157.39	158.00	159.19	161.21	163.42	164.84	165.15	165.93	165.94	165.87	165.31	164.88	164.49	163.77	163.53	162.77	161.89	161.55	161.37	161.02	160.97	160.69	160.59	161.35	161.21	161.12	161.48	161.66	161.82	162.12	162.60	163.23	163.76	164.28	164.73	165.16	165.69	165.68	166.24	166.81	166.22	165.78	166.29	166.15	166.20	166.54	167.58
ACCUMULAT DISTANCE	6800	6850	6900	6950	7000	7050	7100	7150	7200	7250	7300	7350	7400	7450	7460	7500	7535	7550	7563	7600	7650	7680	7700	7750	7800	7850	7900	7950	8000	8050	8100	8150	8200	8250	8257	8300	8325	8350	8350	8389	8400	8450	8500				
DISTANS	50	50	50	50	50	50	50	50	50	50	50	50	50	50	10	40	35	15	33	17	50	30	20	50	50	50	50	50	50	50	50	50	50	7	43	25	25	39	11	50	50						
STATION	6+800		6+900		7+000	IP.15		7+100		7+200		IP.16	7+300		IP.17	7+400		7+500		7+600		7+700		7+800		7+900		8+000		8+100		IP.18	8+200		8+300		8+400		8+500								



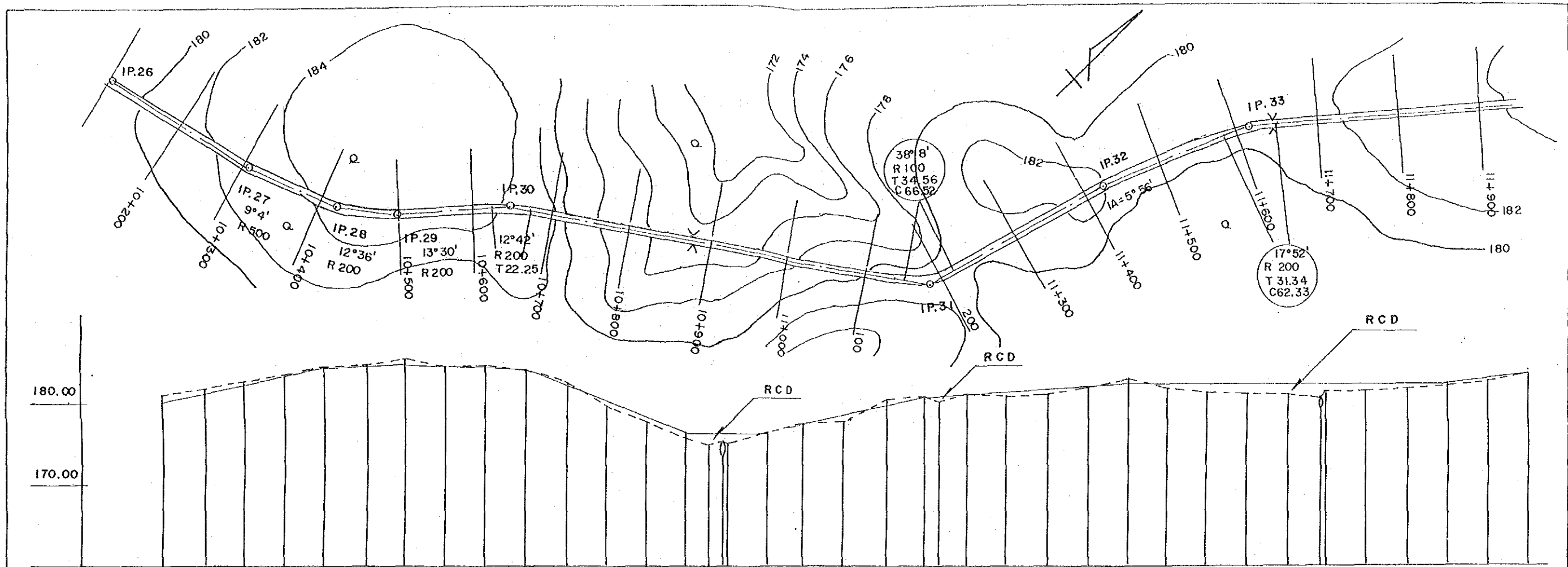
INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路B縦断図 (5/9)
50 DRAWING NO. R - 1-4



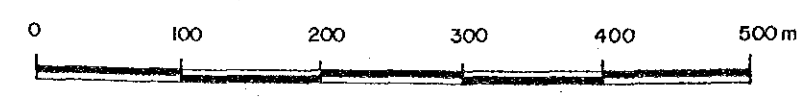
CURVE SLOPE	LEVEL																																											
	2.2% 0.6% 3.8% 4.75% 1.93% 4.96% 2.1%																																											
ROAD SURFAC	167.60		175.30	175.90	172.10		162.60		162.60	165.50		177.90																																
GROUND LEVEL	167.58	168.66	168.72	169.61	171.09	172.21	172.68	173.84	174.66	175.22	175.97	175.80	174.14	171.86	169.33	167.66	166.64	164.16	162.91	162.22	161.70	161.63	162.20	162.20	161.82	161.65	161.29	160.56	161.08	161.04	161.03	161.74	161.37	161.45	162.55	163.87	165.35	168.33	171.04	173.17	175.41	177.93	179.74	180.98
ACCUMULAT DISTANCE	8500	8550	8600	8650	8700	8750	8800	8850	8900	8950	9000	9050	9100	9150	9166	9200	9250	9285.2	9309.7	9350	9400	9450	9500	9550	9600	9630.26	9650	9700	9750	9800	9850	9900	9950	10000	10050	10100	10150	10200						
DISTANS	50	50	50	50	50	50	50	50	50	50	50	50	50	50	16	34	50	35.2	14.8	9.7	50	50	50	50	50	50	20.26	19.40	4.34	50	50	50	50	50	50	50	50	50	50	50	50	50		
STATION	8+500	IP.19	8+600	IP.20	8+700	8+800	IP.21	8+900	9+000	IP.22	9+100	9+200	IP.23	9+300	IP.24	9+400	9+500	9+600	9+700	9+800	9+900	10+000	10+100	10+200																				



INTEGRATED AGRICULTURAL RURAL DEVELOPMENT PROJECT
 TITLE OF DRAWING
 農村道路B縦断面図 (6/9)
 51 DRAWING NO. R-15



CURVE SLOPE	2.1% 1.0% 0.8% 3.95% LEVEL 2.25% 0.60% 0.10% 1.13%																																						
ROAD SURFAC					184.10	185.10		183.96		176.00	176.00		180.50		182.00		182.40																						
GROUND LEVEL	180.98	181.77	182.80	183.47	184.12	184.78	185.17	184.67	184.35	183.98	182.20	179.41	177.40	175.50	174.80	175.18	175.08	176.23	177.38	178.83	179.98	180.48	179.77	180.73	180.34	180.70	181.54	182.27	181.63	181.06	180.82	180.94	180.04	181.08	181.32	181.86	182.17	182.92	183.51
ACCUMULAT DISTANCE	10200	10250	10300	10350	10400	10450	10500	10550	10600	10650	10700	10750	10800	10850	10877	10895	10900	10950	11000	11050	11100	11150	11165	11200	11250	11300	11350	11400	11450	11500	11550	11600	11644	11650	11700	11750	11800	11850	11900
DISTANS	50	50	50	50	50	50	50	50	50	50	50	50	50	50	27	18	5	50	50	50	50	50	15	35	50	50	50	50	50	50	50	50	44	6	50	50	50	50	50
STATION	10+200		10+300		10+400		10+500		10+600		10+700		10+800		10+900		11+000		11+100		11+200		11+300		11+400		11+500		11+600		11+700		11+800		11+900				



INTEGRATED AGRICULTURAL
RURAL DEVELOPMENT PROJECT
TITLE OF DRAWING
農村道路B縦断面図 (7/9)
52 DRAWING NO. R-118