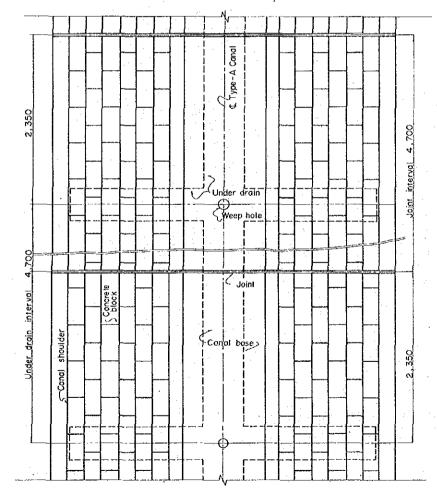


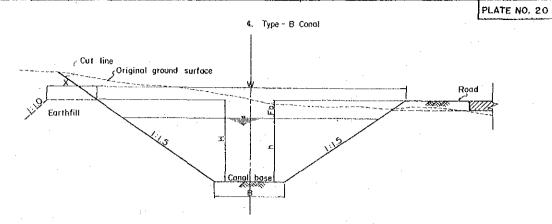
TYPICAL SECTION OF TYPE-A CANAL

(for Main & Secondary Irrigation Canal) in Block 5,6 8,7



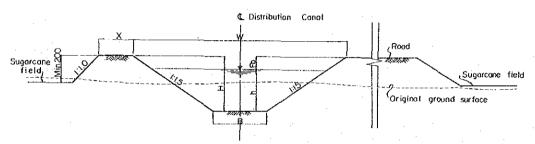
PLAN OF TYPE-A CANAL

SCALE 2



TYPICAL SECTION OF TYPE-B CANAL

(for Main & Secondary Irrigation Canal) in Block 1,2,3 &4



TYPICAL SECTION OF DISTRIBUTION CANAL

DIMENSION TABLE OF TYPE-A CANAL

								2.5	<u> </u>	(Unit:meter)
Туре	В	b	С	Mox.h	·H	Min.Fb	. W	L	Х	Discharge((m³/sec)
Α:	0.400	0.275	0.525	0.290	0.420	0.130	1.450	0.200	1.000	less than 0.072
Αz	0.500	0.375	0.625	0.370	0.600	0,230	2.000			0.073 ~ 0.136
Аз	0.600	0.475	0.725	0.430	0.610	0.180	2.125	0.300		0.137 ~ 0.207
A 4	0.700	0,575	0.825	0.470	0.790	0.320	2.675	0.400	. ,	0.208 ~ 0.274
A 5	0.800	0.675	0.925	0.530		0.260	2.775	0.500	1.500	0.275 ~ 0.382
A 6	0.900	0.775	1.025	0.600	,	0.190	2.863	j	•	0.383 ~ 0.529
A 7	1.000	0.875	1.125	0.670	0.980	0.310	3 4 5 0		, ,	0.530 ~ 0.708
Α 8	1.200	1.075	1. 325	0.790	•	0.190	3.650	0.600	,	0.709 ~ 1.111
А 9	1.400	1.275	1.525	0.810	1.170	0 360	4.325	•	1.800	1.112 ~ 1.303
O1 A	1.500	.1. 375	1.625	0.930	,	0.240	4.425	,	. *	1.304 ~ 1.792
Ап	1.600	1. 475	1.725	1, 010	1.350	0.340	4.975	0.700	,	1.793 - 2.204
A iz	1.700	1.575	1.825	1. 130	,	0.220	5.075	,	,	2.205 ~ 2.868
A 13	1.800	1. 675	1.925	1. 200	1.540	0.340	5.650		2.000	2,869 ~ 3.359
A 14	1.900	1, 775	2.025	1. 270	•	0.270	5.750	0.800	•	3.360 ~ 3.900
A 15	2.000	1. 875	2.125	1. 330	•	0.210	5.850		•	3.901 ~ 4.427
A 16	2.100	1. 975	2.225	i. 390	1.730	0.340	6.425	•	,	4.428 ~ 4.995
A 17	2.200	2.075	2.325	1. 470	,	0.260	6.525	,	•	4.996 ~ 5762

DIMENSION TABLE OF TYPE-B CANAL

(Uni) : meter)

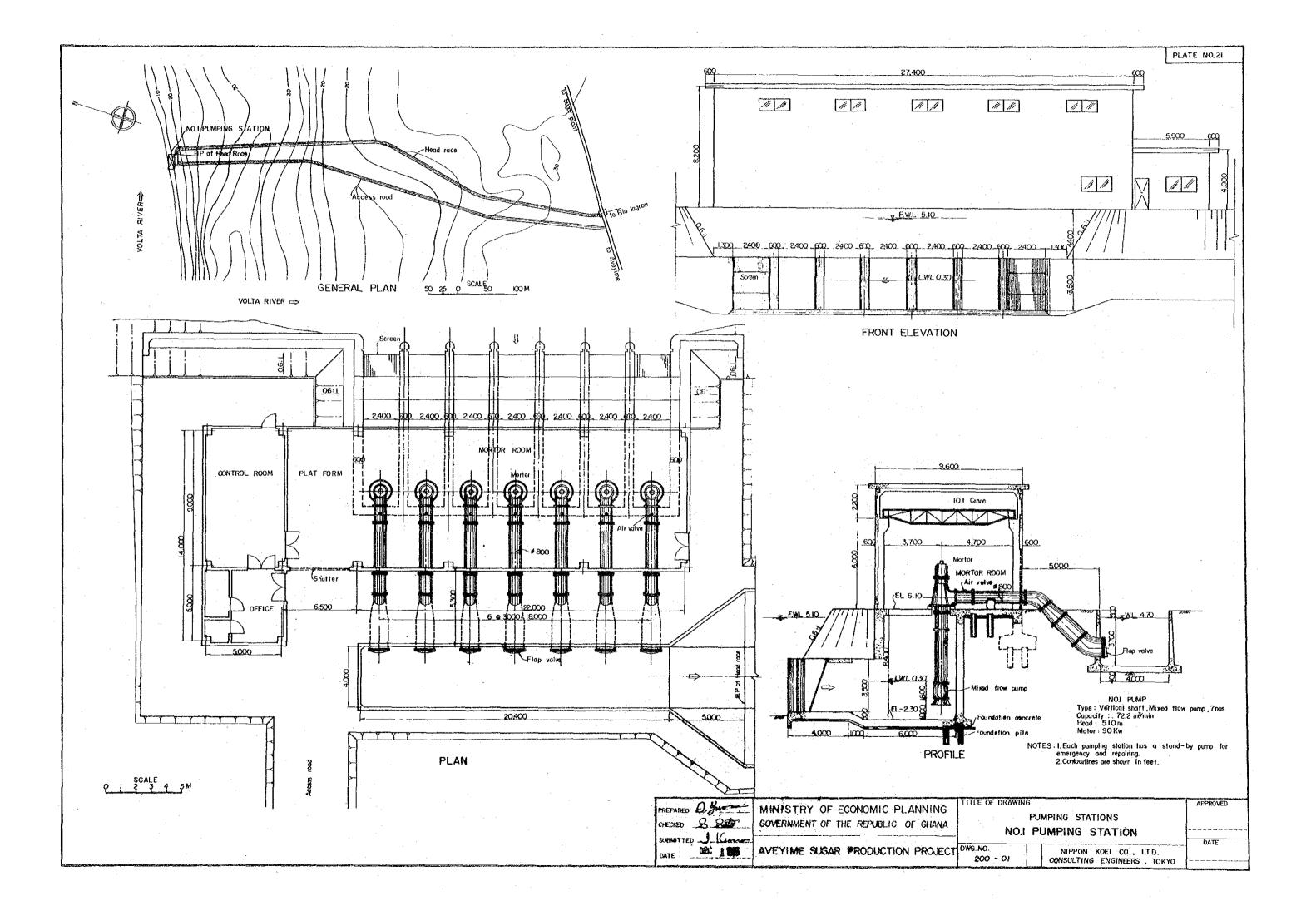
81							less than 0.051
62	0.500	2. 300	0.370	0.600	0.230	•	0052 ~ 0085
Вз	0.600	2.700	0.460	0, 700	0 240	0.800	0086 ~ 0 48
B 4	0, 700	3, 100	0.530	0.800	0.270	,	0.149 ~ 0.218
8 5	0.800	3.500	0.610	0. 900	0.290	1. 000	0.219 ~ 0.316
86	0.900	3,900	0.690	1.000	0.310		0317 - 0437
B 7	1.000	4, 300	0. 770	1.100	0.330	1, 200	0.438 ~ 0.584
6.8	1.100	4.700	0,870	1. 200	0. 330	•	0.585 ~ 0.747

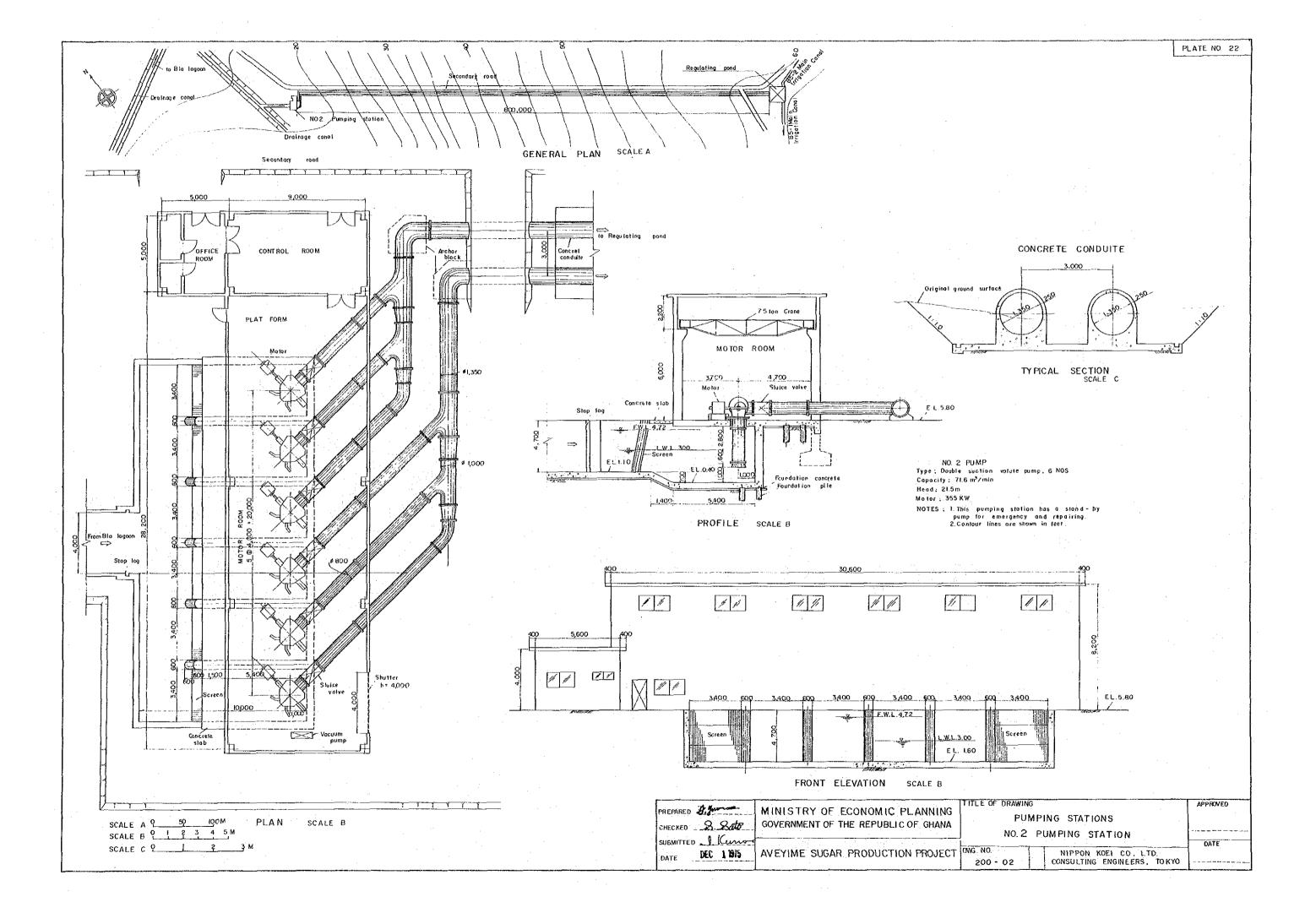
DIMENSION TABLE OF DISTRIBUTION CANAL

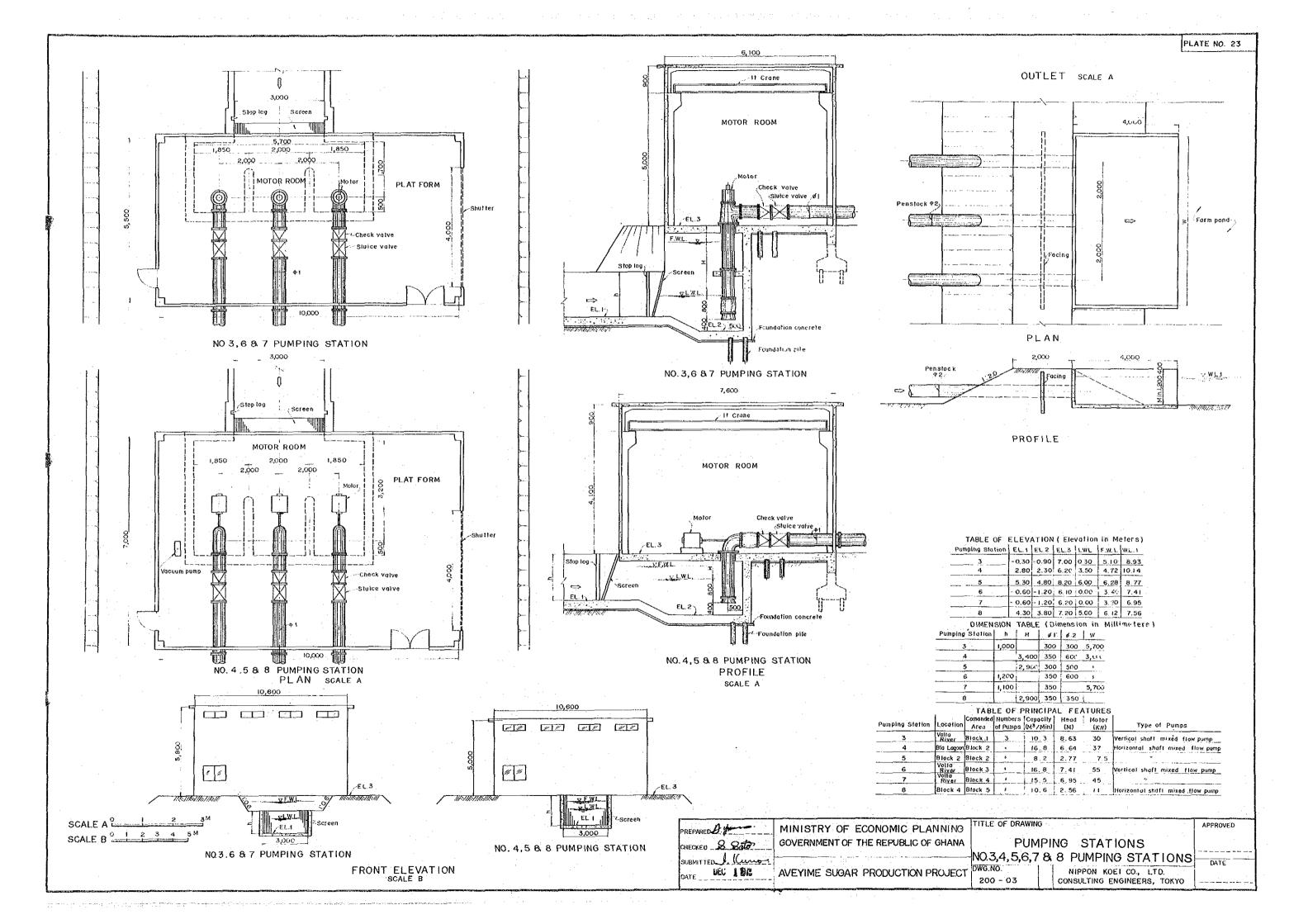
C 1 0.300 1,200 0.200 0.300 0.100 0.500 less than 0.024
 C 2
 0.300
 1.500
 0.240
 0.400
 0.160
 0.600
 0.025 ~ 0.044

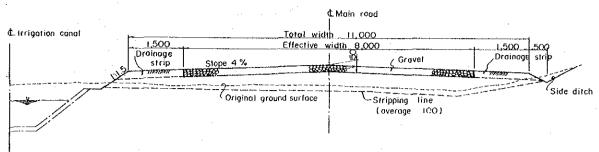
 C 3
 0.400
 1.900
 0.310
 0.500
 0.190
 0.700
 0.045 ~ 0.089
 C 4 0.500 2.300 0.370 0.600 0.230 0.800 0.090 0.089 C 5 0.600 2.700 0.460 0.700 0.240 + 0.149 ~ 0.265

			<u> </u>		
E .	D. y	MINISTRY OF ECONOMIC PLANNING GOVERNMENT OF THE REPUBLIC OF GHANA		RRIGATION CANALS	APPROVEO
SUBMITTED	J. Kum			TIONS OF IRRGATION CANALS	DATE
DATE	JEC A 1975.	AVEYIME SUGAR PRODUCTION PROJECT	DWG.NO. 100 - 08	NIPPON KOEL CO., LTD CONSULTING ENGINEERS, TOKYO	

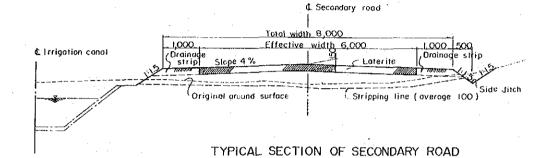


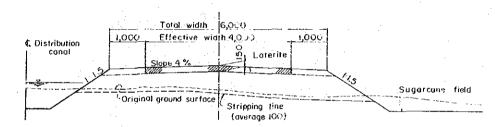




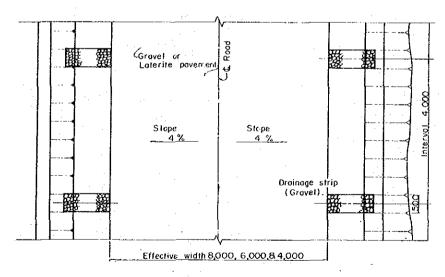


TYPICAL SECTION OF MAIN ROAD

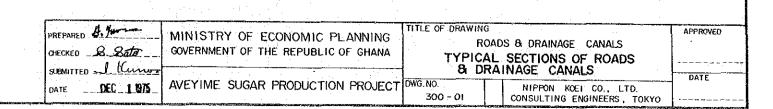


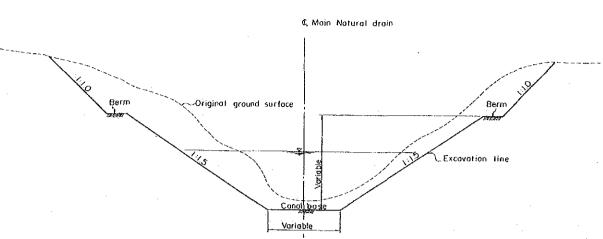


TYPICAL SECTION OF TERTIARY ROAD



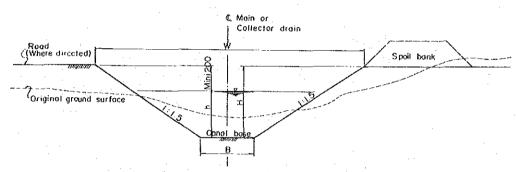
PLAN





TYPICAL SECTION OF MAIN NATURAL DRAIN (River Improvement)

Note : Dimensions are variable,

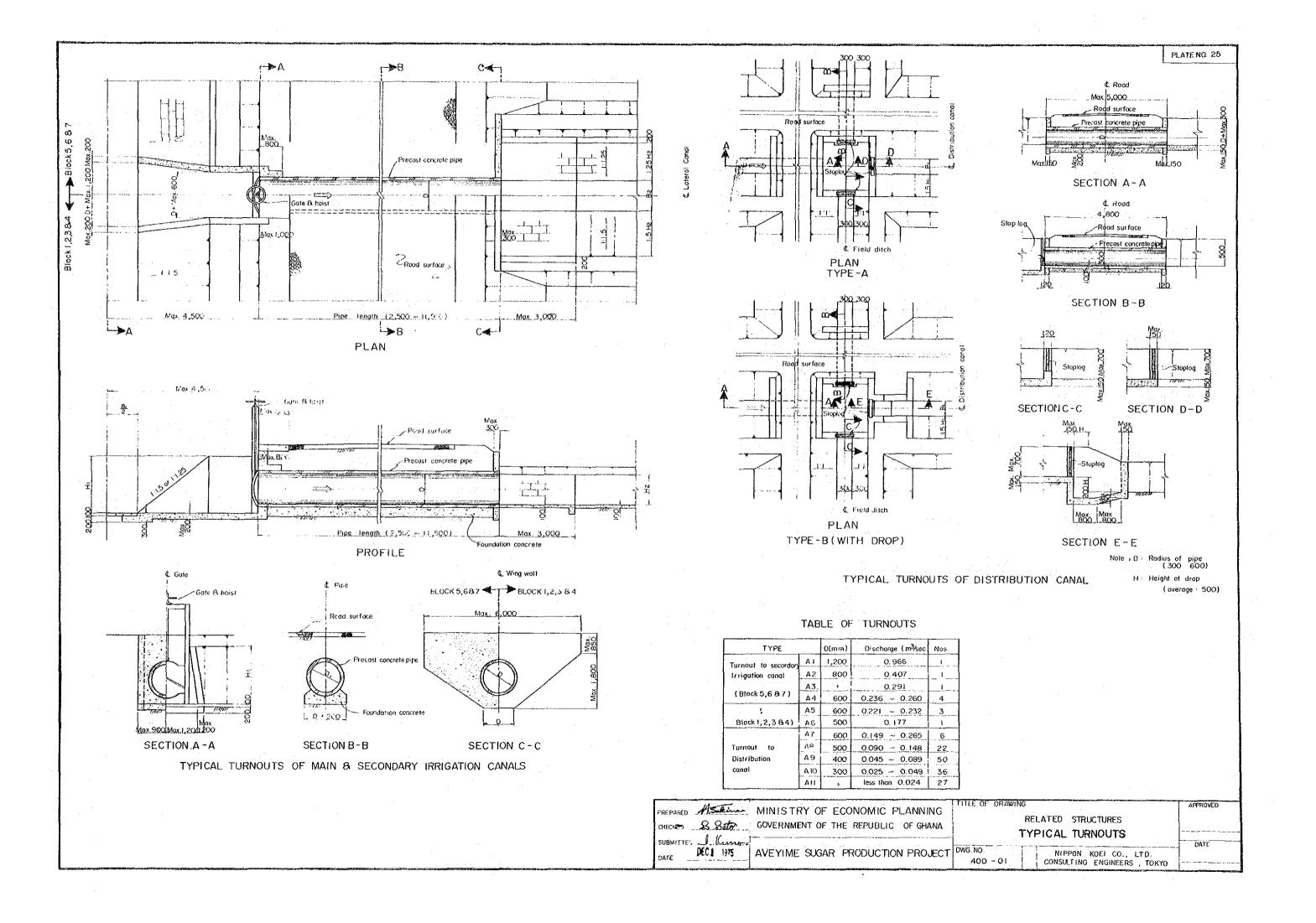


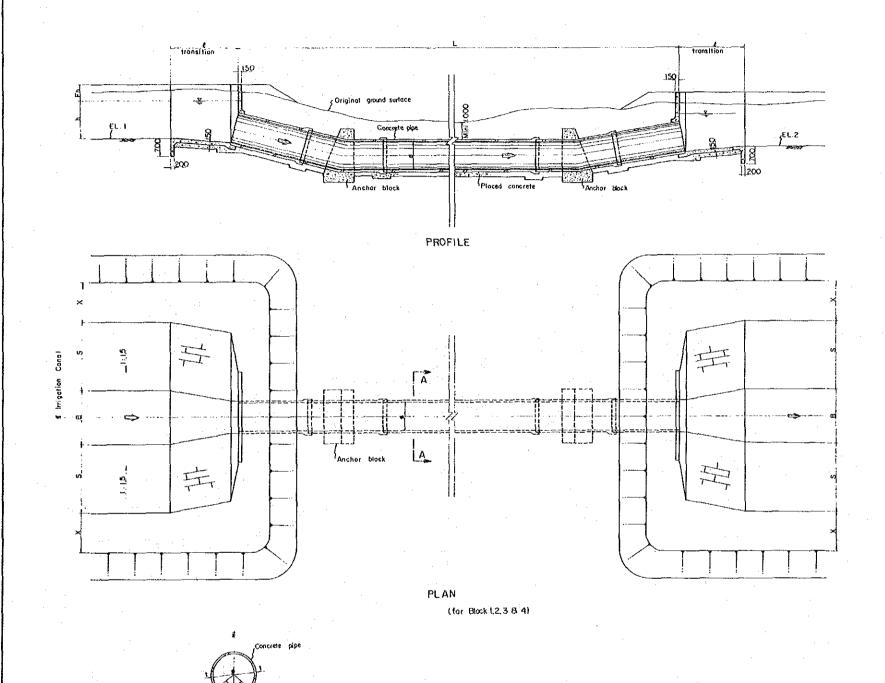
TYPICAL SECTION OF MAIN & COLLECTOR DRAINS

DIMENSION TABLE OF MAIN & COLLECTOR DRAINS

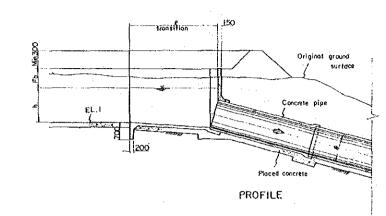
		<u> </u>			(Unit : meter)
Туре	8	. w	h	Н	Discharge (m³/s)
Dι	0.300	1,500	0.200	0.400	less thon 0.068
D 2	0.400	1.900	0.260	0.500	0.069~0.139
D 3	0.500	2,150	0.330	0.550	0.140 ~0.269
D 4	0.700	2.800	0.460	0.700	0,270 ~ 0.516
D 5	0.900	3.300	0.500	0.800	0.517 ~ 1.002
D в	1.200	4.200	0.790	1.000	1.003 ~1.687
D 7	1.500	5.250	0.980	1.250	1.688 ~3.011
De	2.100	7 200	1.410	1.700	3.012 ~ 5.521
D 9	2.500	8.500	1.670	2.000	5.522 ~8.698
Dio	2.900	9.650	1.930	2.250	8.699 ~i2.824
Dii	3.500	11,450	2.330	2.650	12.825 ~17.299
DIS	3.900	12,600	2.590	2.900	17.300 ~22.972
D13	4.500	14.400	2.980	3.300	22.973 ~28.973
D14	4.900	15.700	3.270	3.600	28.974 ~36.930

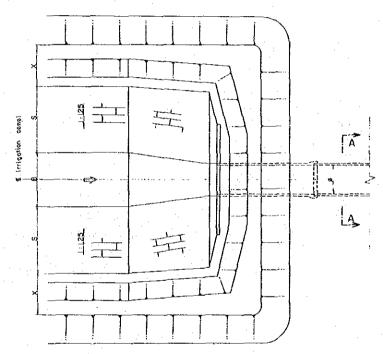
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SECTION A-A





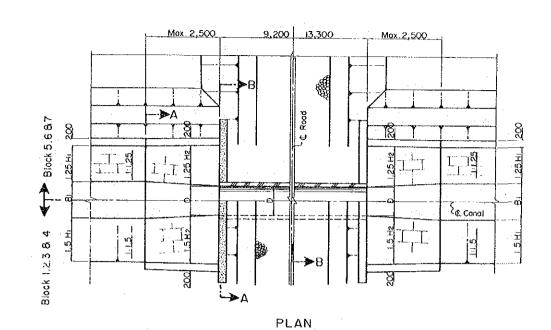
PLAN (for Block 5, 6 8 7)

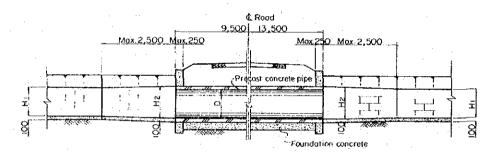
DIMENSION TABLE (Dimension in Meters)

Block	No	۶	L	-EL-I	EL.2
B3- Secondary	1	0.60	. 50	5.67	5,37
Moin	ı	1.00	220	17.15	16.55
B5+ Secondory	ı	0.80	150	11.48	11,36
B6 Moin	1	1.56	100	16.31	16.01
87 Main	. !	1,35	100	14.26	13.96
3	2	1.20	100	11.94	11.64

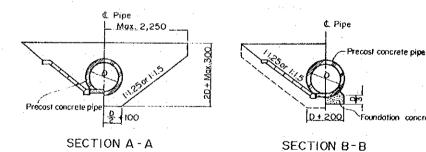
NOTE: Dimensions are variable with discharge

10. 14		TITLE OF DRAWING		APPROVED
CHECKED S. Sate	MINISTRY OF ECONOMIC PLANNING GOVERNMENT OF THE REPUBLIC OF GHANA	RELATI	ED STRUCTURES	
CHECKED S. Solo?		TYPIC	CAL SYPHONS	DATE
DATE JE 191	AVEYIME SUGAR PRODUCTION PROJECT	DWG NO 400 - 02	NIPPON KOEI CO, LTD CONSULTING ENGINEERS, T	





PROFILE



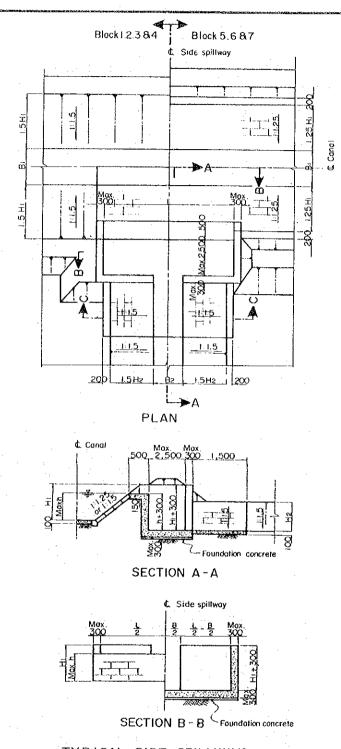
TYPICAL CULVERTS

TABLE FOR BLOCK 5,687

Nome	0 (mm)	Discharge (milker
B5-2S, NO.1	600	0.185
86-15, NO.1	1,100	0.721
ゥ, NO.2	900	0.523
86-25, NO.1	600	0.251
87M , NO.1	1,200	0.928
″, NO.2	1,000	0.705
", NO. 3	900	0.604

TABLE FOR BLOCK 1,2,3 8 4

		•
Nome	D (mm)	Discharge(misec)
BIM , NO.I	800	0.283
BIS , NO.1	600	0, 177
B2-IM, NO.1	1,000	0. 5,16
84-2M, NO.1	900	0, 471



TYPICAL SIDE SPILLWAYS

TABLE FOR BLOCK 5,687

Type	L (mm)	Discharge(m)sec	Nos
Αı	5,500	4,046	ſ
Az	4,500	2,553~2,720	2
Д3	4,000	1.884	ı
Α4	3,500	1,322 ~ 1,380	2
Д5	3,000	0.721~1.110	. 2
.A6	2,500	0,683	ı
A7	2,000	0,512	1

TABLE FOR BLOCK 12,384

Туре	L(mm)	Discharge(mixec)	Nos.
А в	2,500	0.471~0.516	2
Αe	2,000	0.365	ı
A 10	1,700	0.221	F
Αıı	1,500	0.213	J

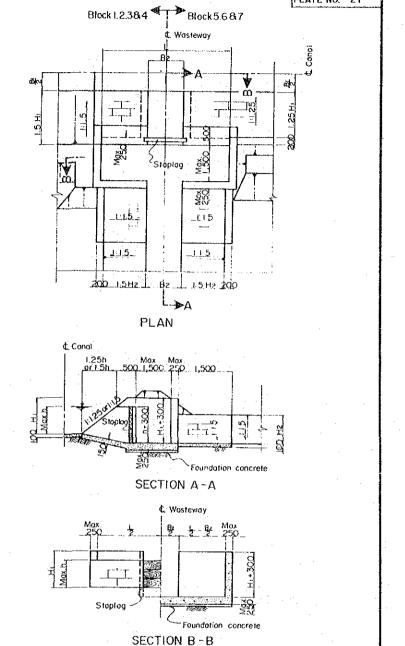


PLATE NO. 27

TYPICAL WASTEWAYS
(WITH SIDE SPILLWAY)

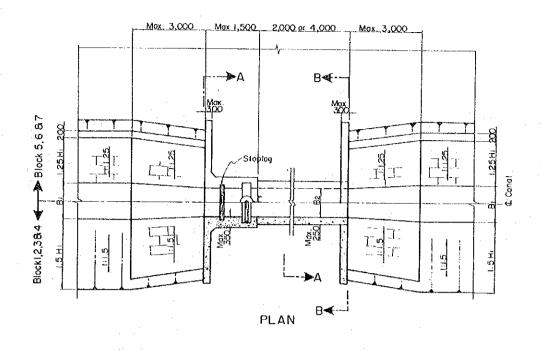
TABLE FOR BLOCK 5,687

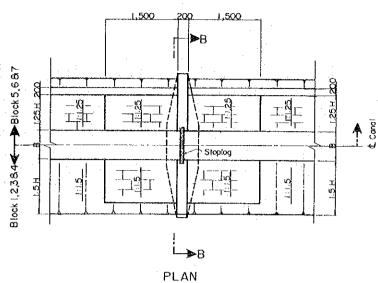
	7		
Туре	L'(mm)	Discharge(m³/sec)	Nos.
ı A	3,500	1.989	1
A2	1, 300	0.300	ı
Аз	1, 200	0.145~0.195	4
A 4	1,000	0.106~0.123	3
A 5	4	0.045	1

TABLE FOR BLOCK 1,2384

	Туре	pe L(mm) Discharge(m75ec)		Nos.
.	A 6	1,000	0.192 ~ 0.203	2
	Α7	,	0.088 ~ 0.136	3
	Αв	800	0.075~0.084	2
	А 9	,	0.036	1

ĺ	and the state of	MINISTRY OF ECONOMIC PLANNING	TITLE OF DRAWING		APPROVED
	PREPARED 7		. RE	LATED STRUCTURES	
	CHECKED 8 Sate	GOVERNMENT OF THE REPUBLIC OF GHANA	TYPICAL C	ULVERTS, SIDE SPILLWAYS	
	SUBMITTED Laure		& WAST	EWAYS	have
	DATE DEC	AVEYIME SUGAR PRODUCTION PROJECT		NIPPON KOEL CO., LTD.	DATE
_			400 - 03	CONSULTING ENGINEERS, TOKYO	



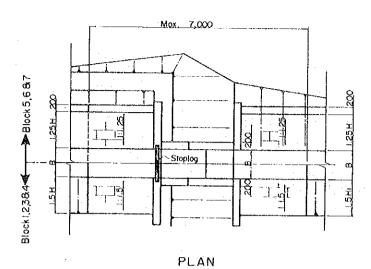


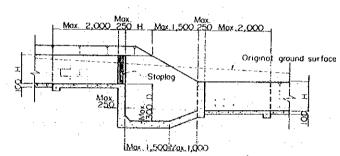
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600

SECTION A-A

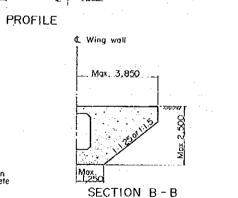
♠ Canal.





PROFILE

___Max_3,000 __Max_1,500___2,000 or 4.000____ Mox. 3,000 Max 1,800 Foundation concrete



TYPICAL DROPS

TABLE FOR BLOCK 5,68,7

TABLE FOR BLOCK 1,2,3 8.4

<u> </u>						
Type	D(mm)	Dischorge(misec	Nos.			
ĄΙ	1.500	0.624	1			
A2	,	0.404~0.523	3			
А3	500 1.000	0.145~0.195	6			
A4	500 1.500	0.104	2			
Α5	1.000 1.500	0.045	2			

Туре	D (mm)	Discharge(m ³ /sed	Nos
18	500	0.092	1
B2	1.500	0.084	i)

TYPE-A CROSS REGULATORS

TABLE FOR BLUCK 5,687						
Туре	B2(mm)	83(mm)	Discharge(m³sec	Nos.		
Αı	2.000	1.800	4.005	1		
A 2	1.800	j	3.744	I		
A 3	1.600	1.600	1.884~2.748	5		
A 4	1.400	1.400	1.198~1.593	5		
A 5	1.000	1.000	0.541 ~0.978	5		
A 6	800	800	0.350 ~0,523	3		
A 7	600	600	0.150~0.236	5		

SECTION A-A

TABLE	FOR B	LOCK I	2,384
Туре	8 (mm)	8 (mm)	Dischargelm

TABLE	FOR B	,2,384		
Туре	8 (mm)	8 (mm)	Discharge(misec)	Nos.
Аs	900	-1,000	0.471 ~ 0.516	2
و ۵	800	900	0.415 ~0.419	2
Aio	700	800	0.305	ı
ΑĖ	600	700	0.172~0.213	2

TYPE-B CROSS REGULATORS

SECTION B-B

TABLE OF TYPE-B CROSS REGULATORS

Туре	Type Discharge (m∮sec)	
B'ı	0.106	1 .
B 2	0.045	1
83	0.092~0.136	4
B4	0.075	ı

- 1					
	PREPARED # 55km	MINISTRY OF ECONOMIC PLANNING	TITLE OF DRAWIN	G	APPROVED
ı	**************************************		B	RELATED STRUCTURES	
	CHECKED S. Satz	GOVERNMENT OF THE REPUBLIC OF GHANA			
- 1	WELLED JOY TOWN	SOTERMINENT OF THE REPOBLIC OF STIANA	TYPIC	CAL CROSS REGULATORS	1
- 1	SUBMITTED O. LUMO -	·		OROPS	
				JI(01 3	DATE
ı	DATE DEC 1 1975	AVEYIME SUGAR PRODUCTION PROJECT	DWG.NO.	NIPPON KOEL CO., LTD.	
- 1	DATE		400 ~ 04	CONSULTING ENGINEERS TORYO	
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