

JAPAN INTERNATIONAL COOPERATION AGENCY  
NATIONAL WATER SUPPLY AND DRAINAGE BOARD  
THE DEMOCRATIC SOCIALIST REPUBLIC OF SRI LANKA

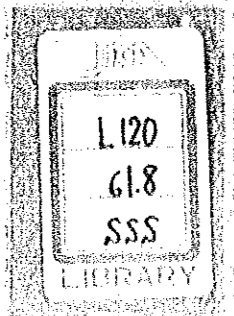
THE FEASIBILITY STUDY  
ON  
THE KALU GANGA WATER SUPPLY PROJECT  
FOR  
GREATER COLOMBO

VOLUME V

DRAWINGS

NOVEMBER 1994

NIPPON JOGESUIDO SEKKEI CO., LTD.  
NIPPON KOEI CO., LTD.



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## DRAWING LIST

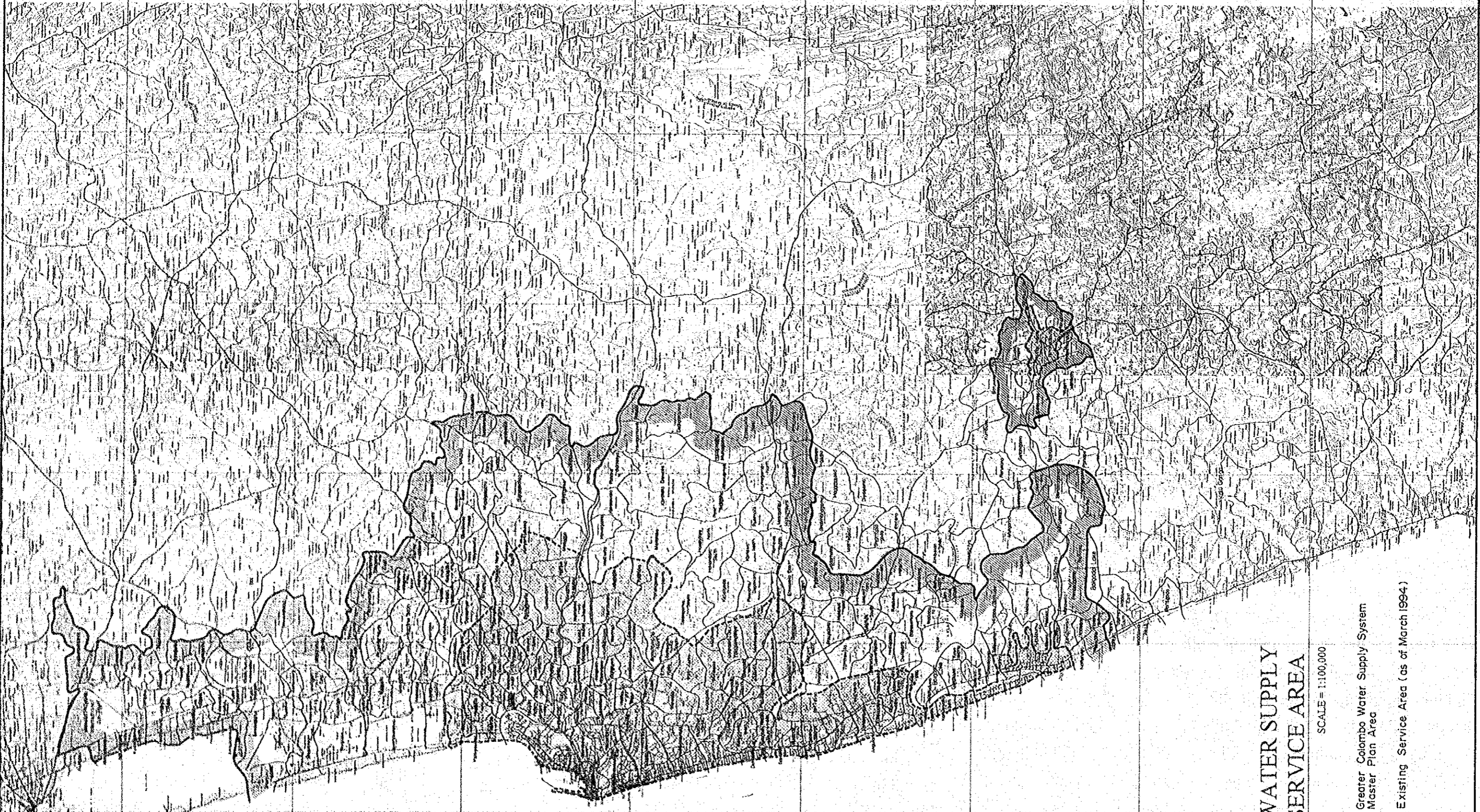
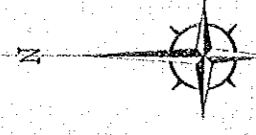
NO.	DRAWING NAME
	<b>GENERAL</b>
G.1	GENERAL LAYOUT (GREATER COLOMBO)
G.2	WATER SUPPLY SERVICE AREA
G.3	GENERAL LAYOUT (KALU)
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I.2	PLAN & SECTION 1
I.3	PLAN & SECTION 2
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NO.	DRAWING NAME
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T.2	HYDRAULIC PROFILE
T.3	SYSTEM FLOW SHEET 1
T.4	SYSTEM FLOW SHEET 2
T.5	SEDIMENTATION BASIN 1
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D.9	HOMAGAMA SERVICE AREA DIAGRAM
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D.12	KESELWATTA SERVICE AREA LAYOUT
D.13	KESELWATTA SERVICE AREA DIAGRAM
D.14	HORANA SERVICE AREA DIAGRAM

GENERAL

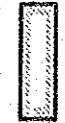



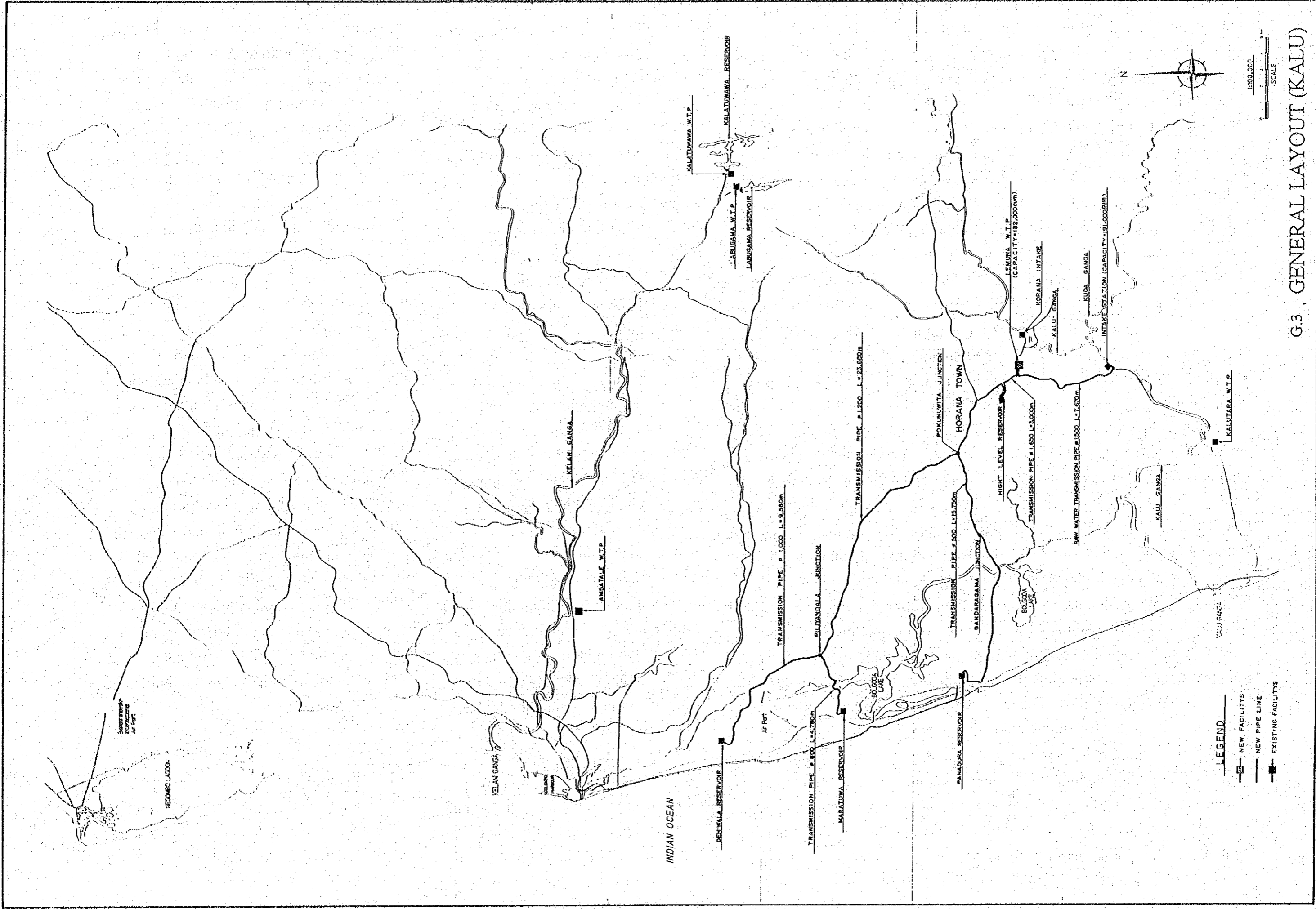


INDIAN OCEAN

## G.2 WATER SUPPLY SERVICE AREA

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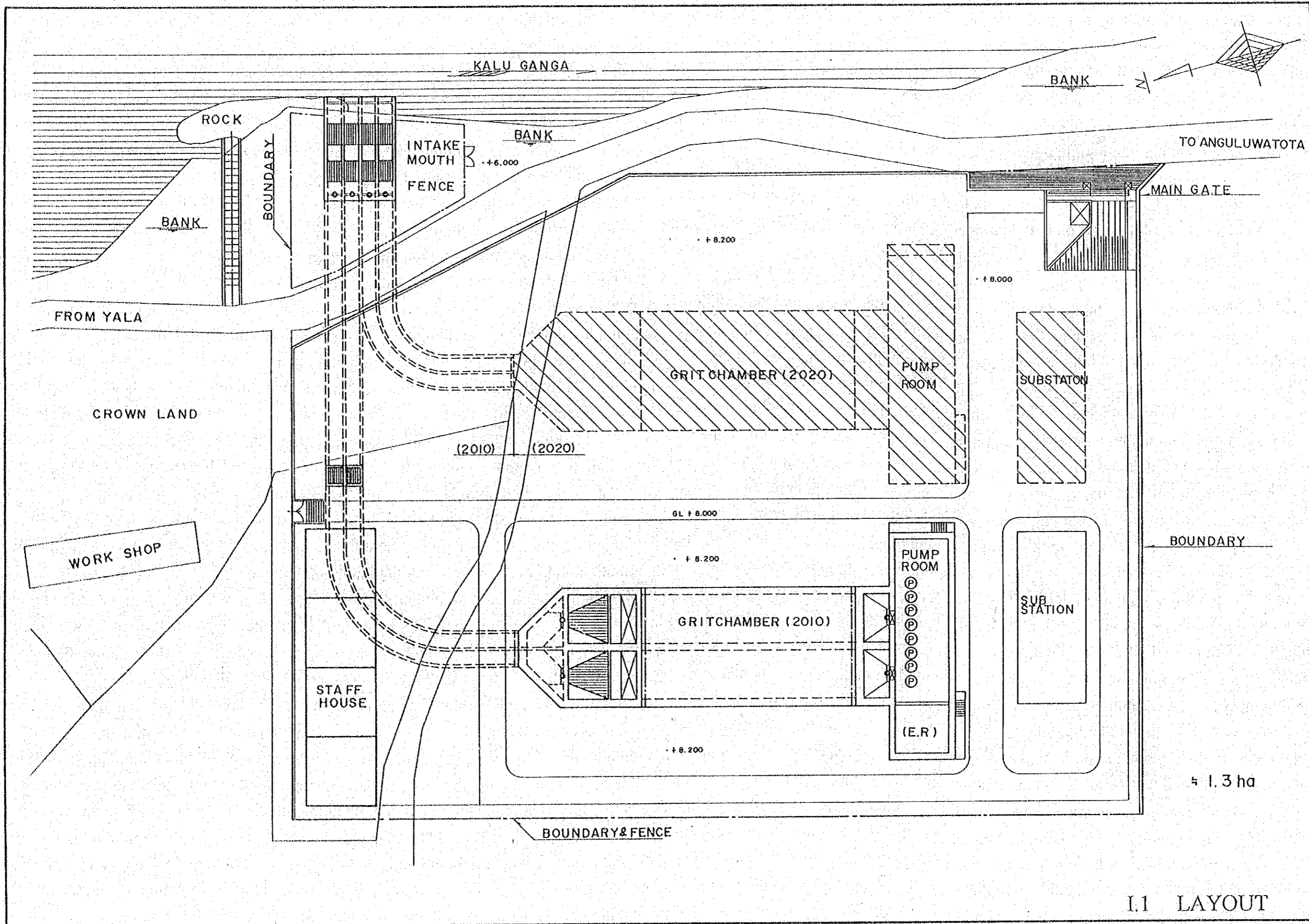
-  Greater Colombo Water Supply System Master Plan Area
-  Existing Service Area (as of March 1994)

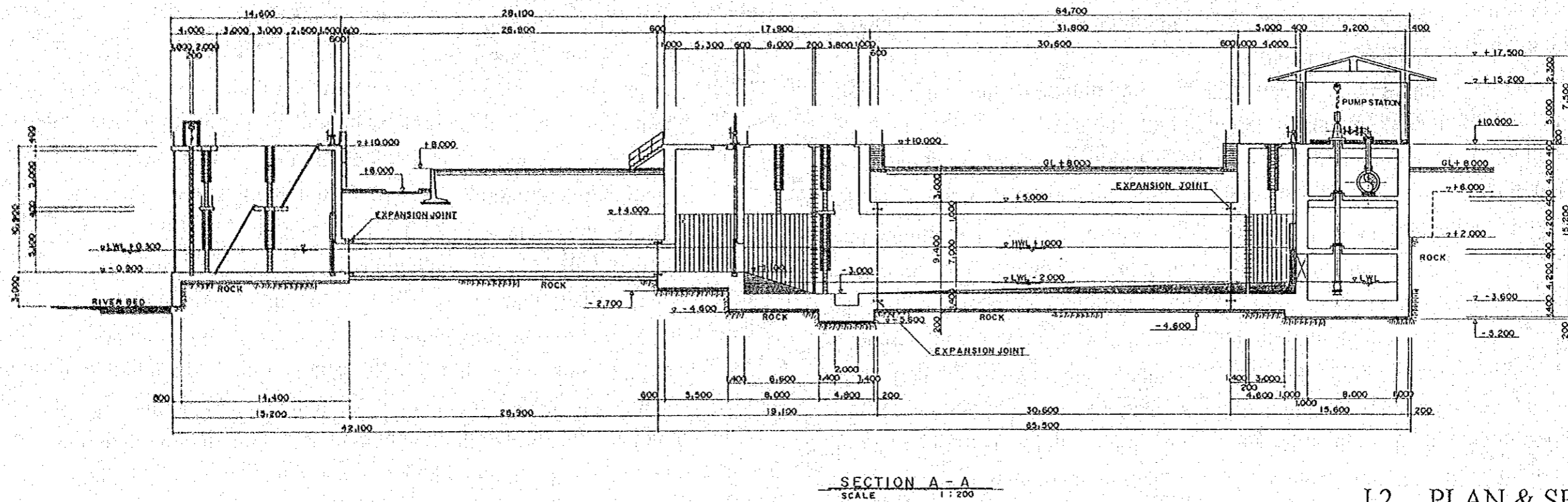
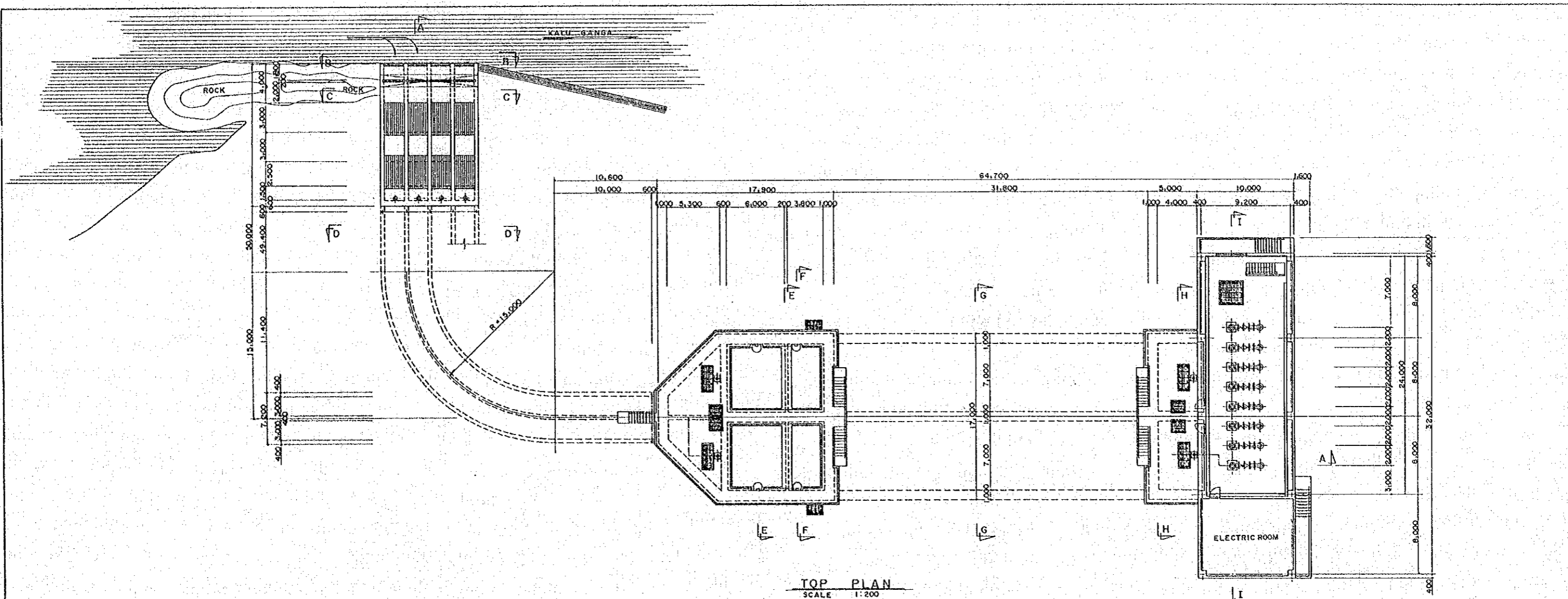


G.3 GENERAL LAYOUT (KALU)

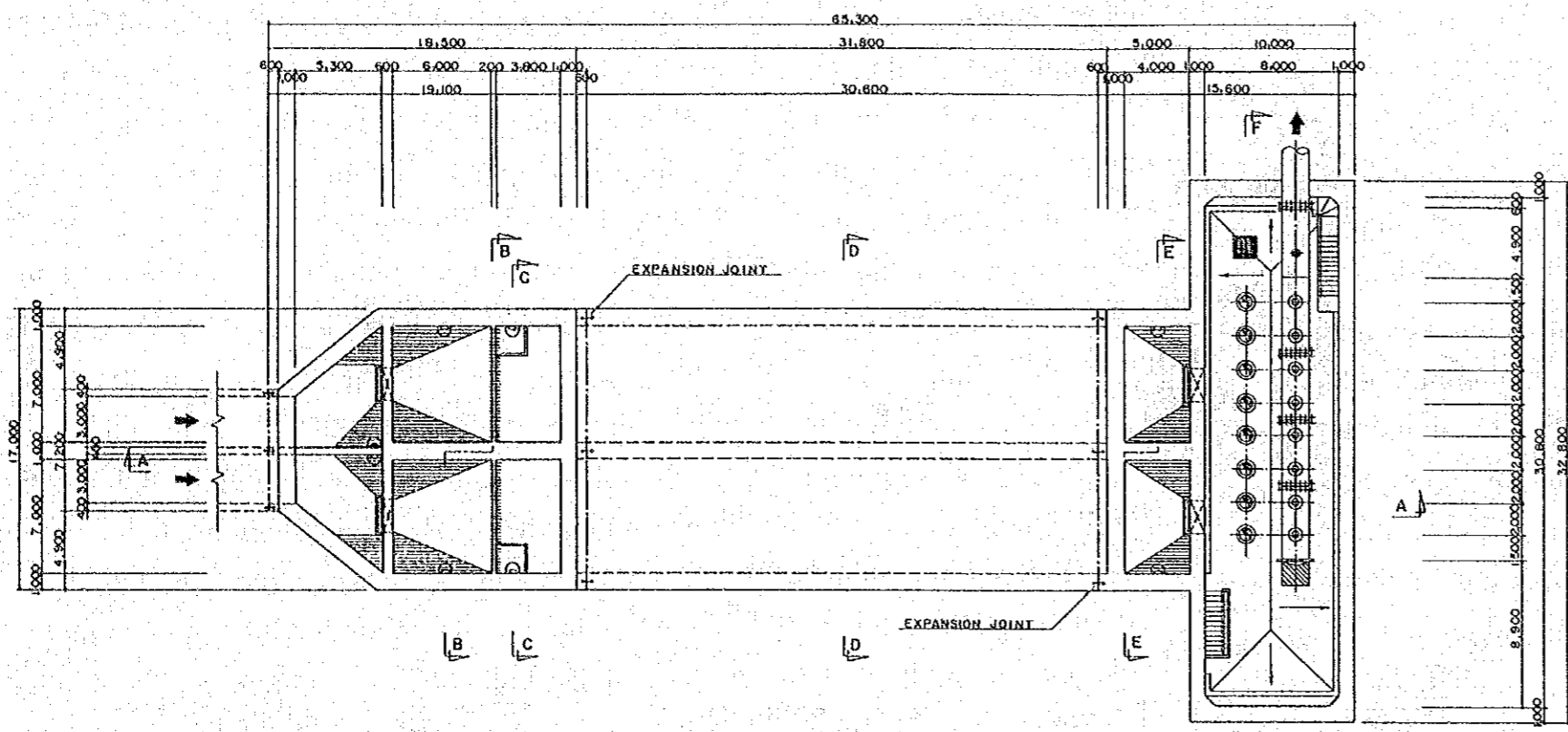
# INTAKE STATION



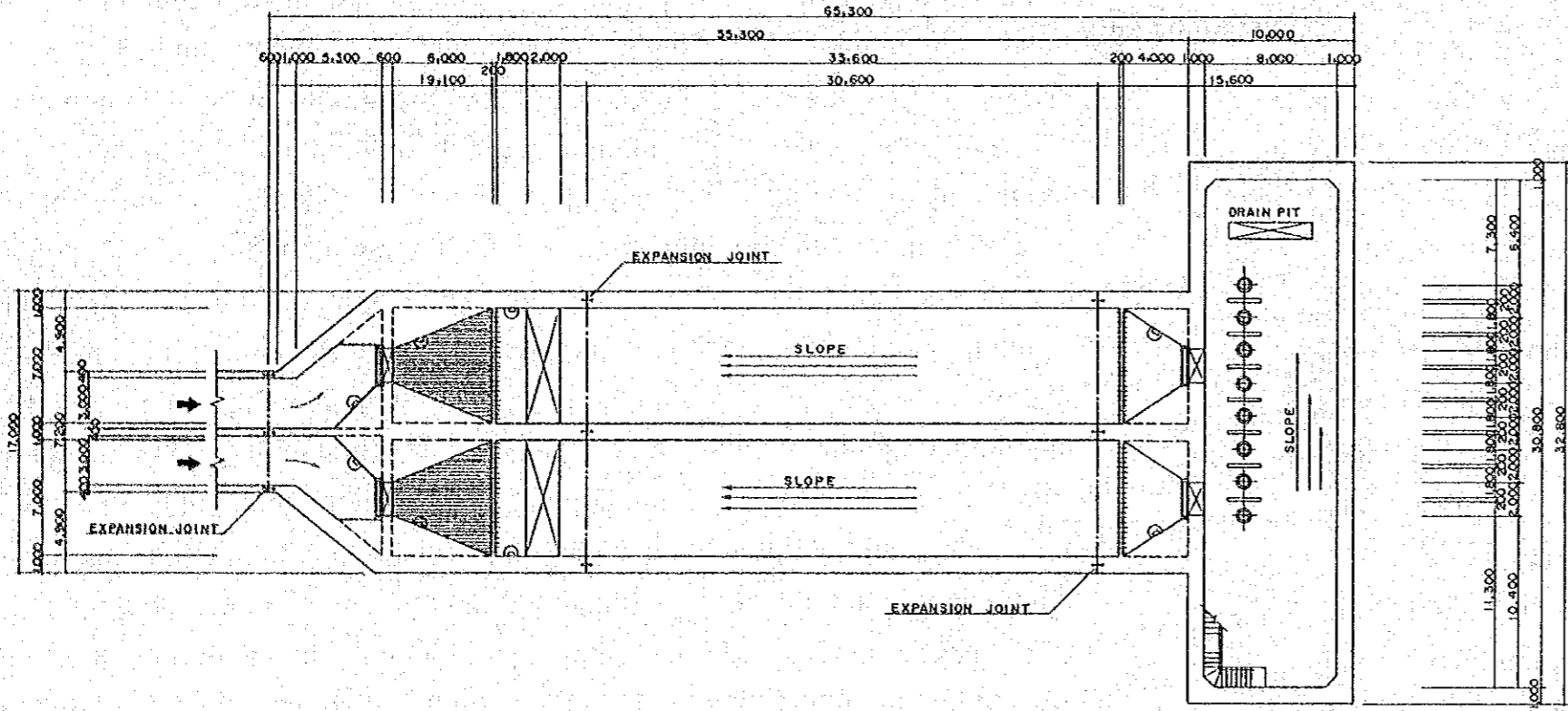




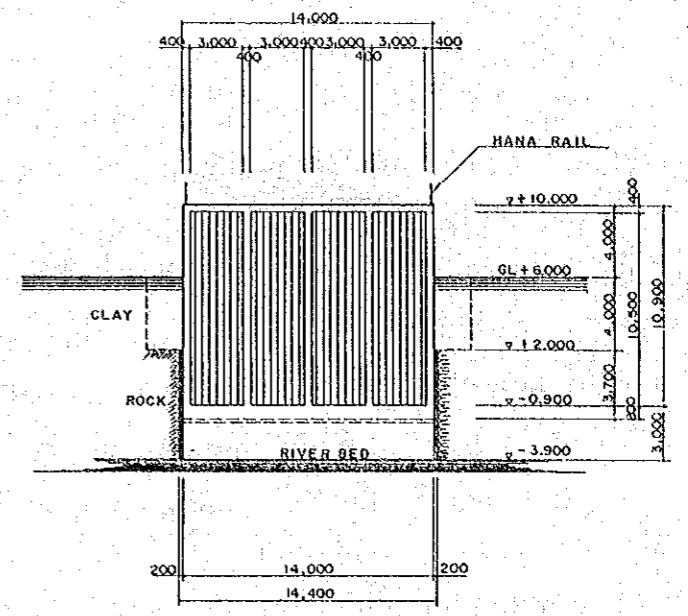
I.2 PLAN & SECTION 1



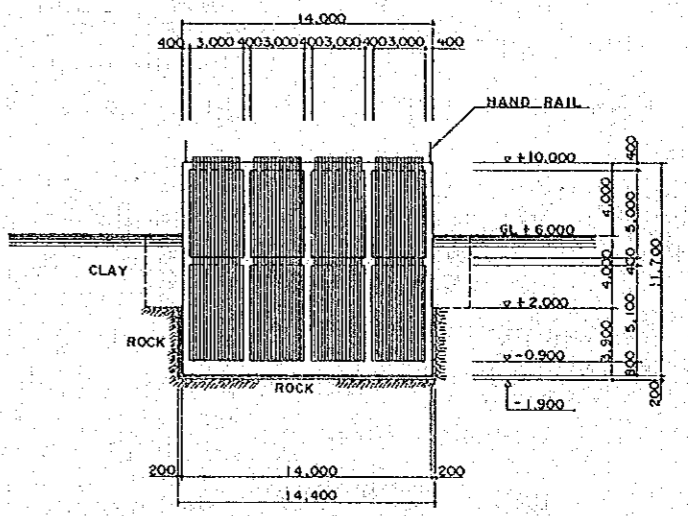
MIDDLE PLAN  
SCALE 1:200



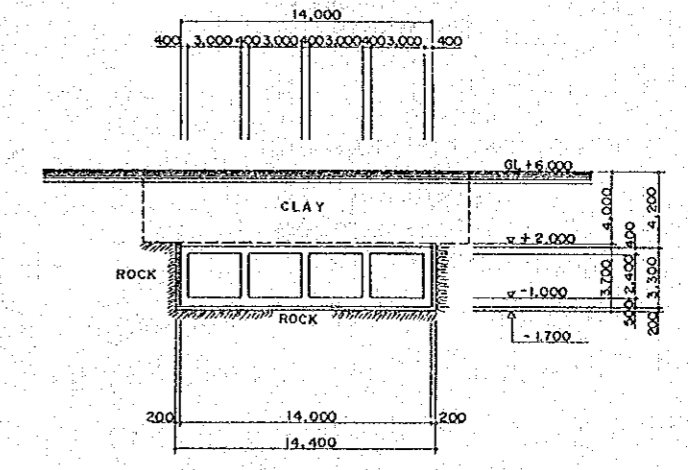
BOTTOM PLAN  
SCALE 1:200



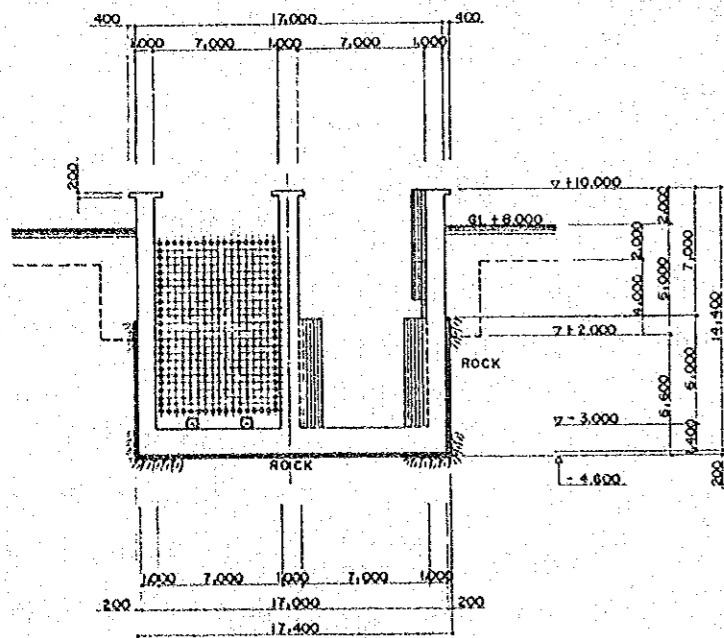
SECTION B-B  
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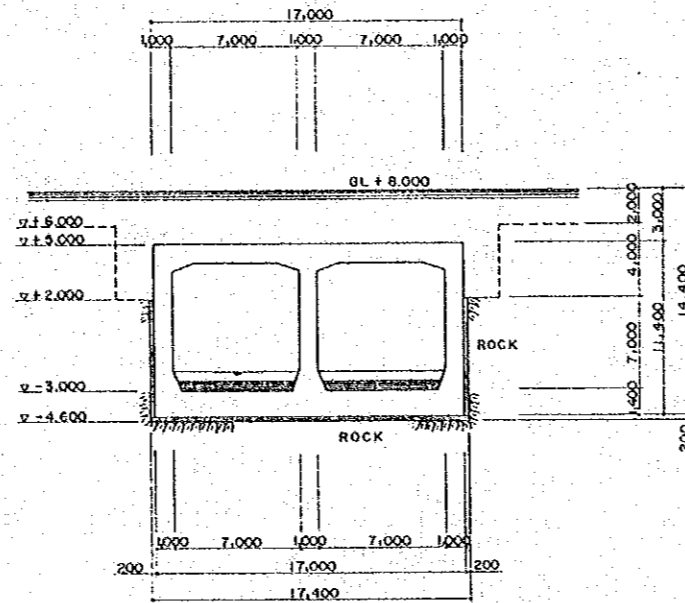
SECTION C-C  
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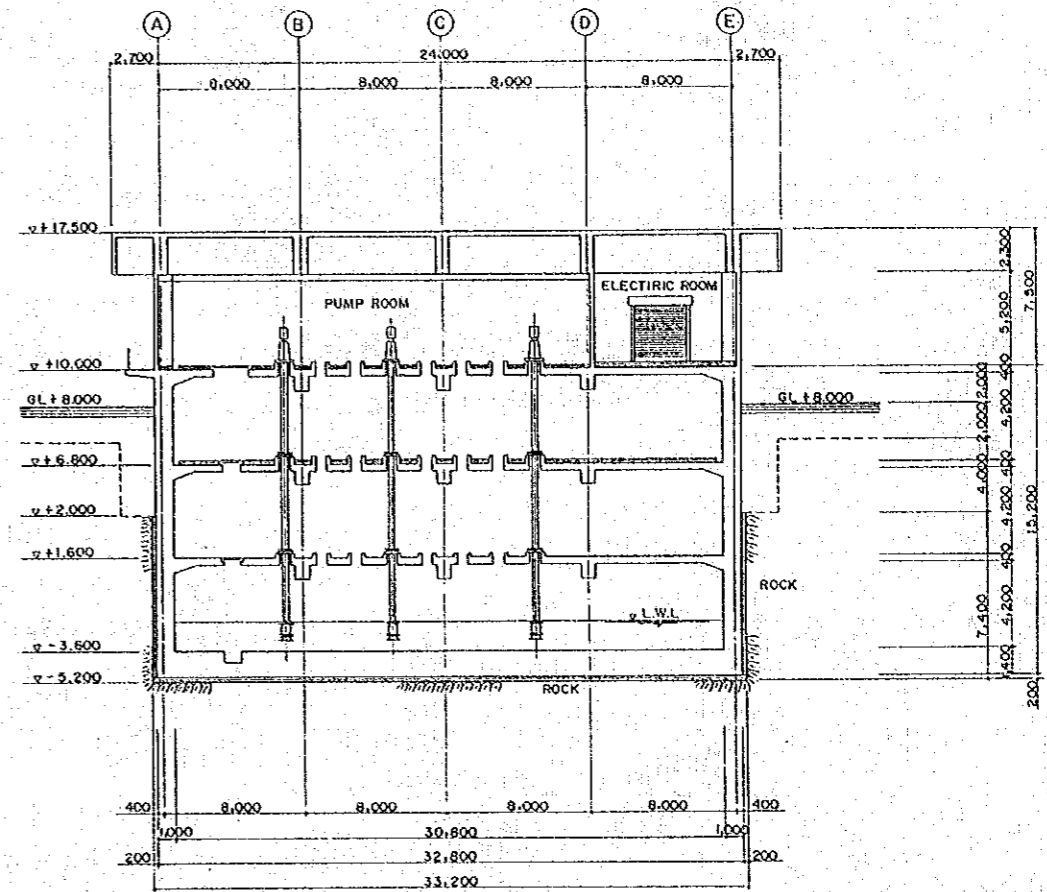
SECTION D-D  
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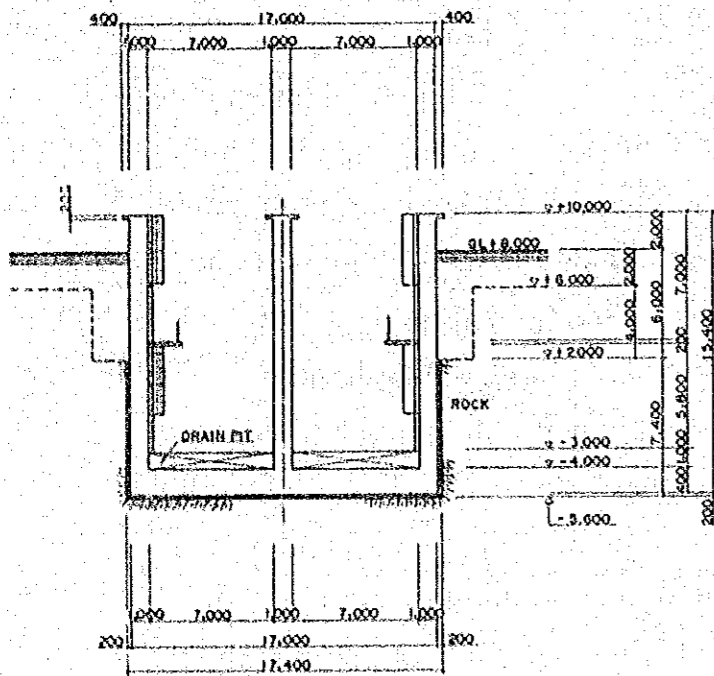
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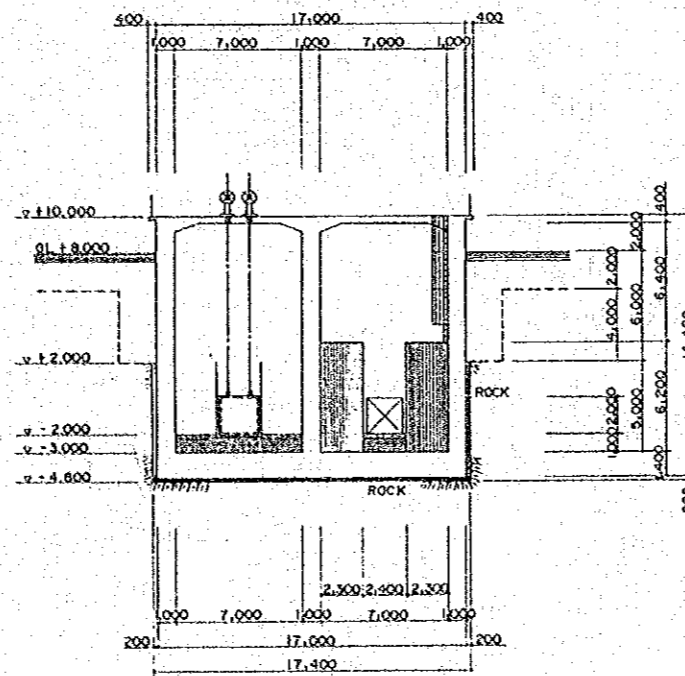
SECTION G-G  
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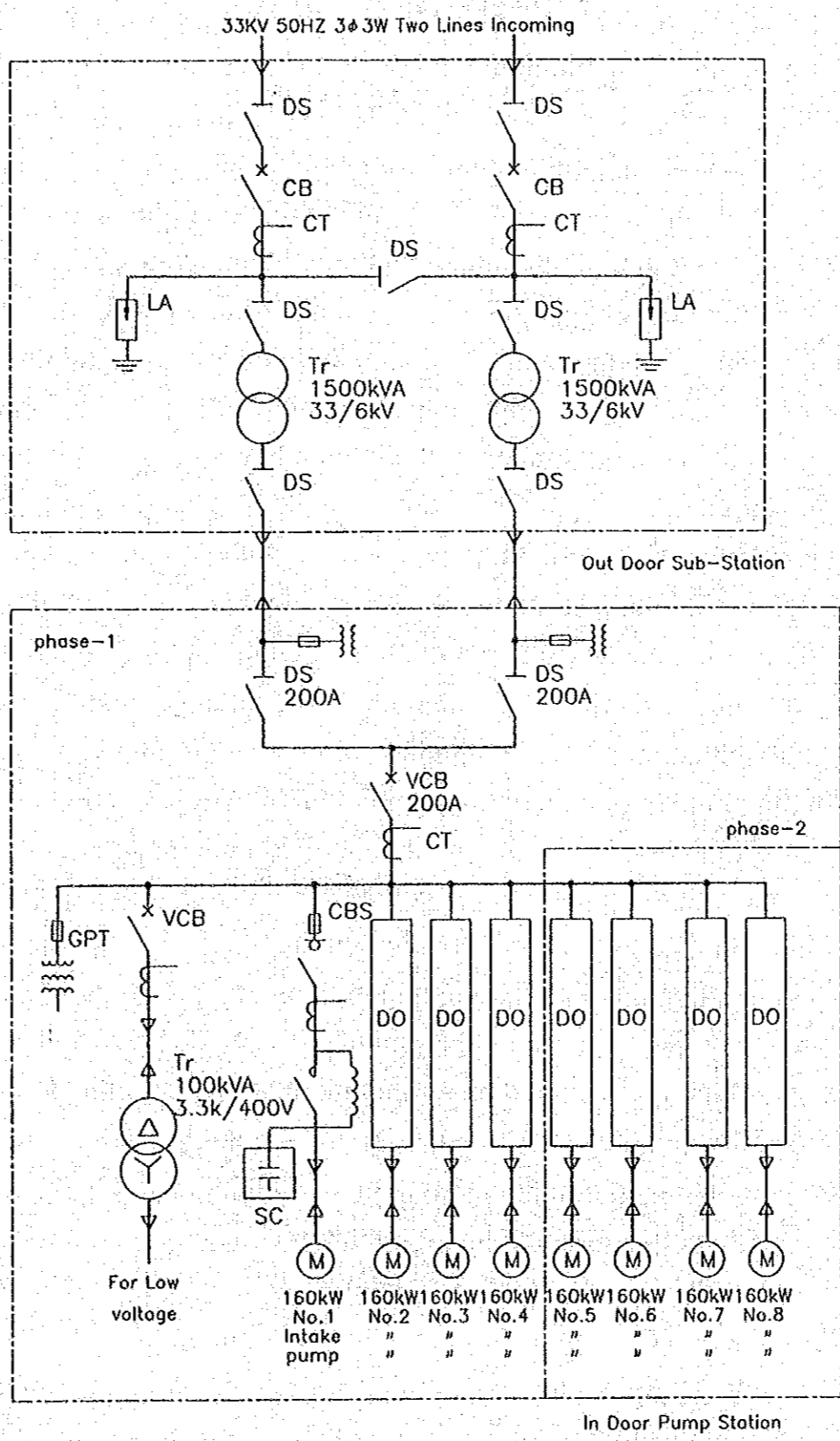
SECTION I-I  
SCALE 1:200



SECTION F-F  
SCALE 1:200

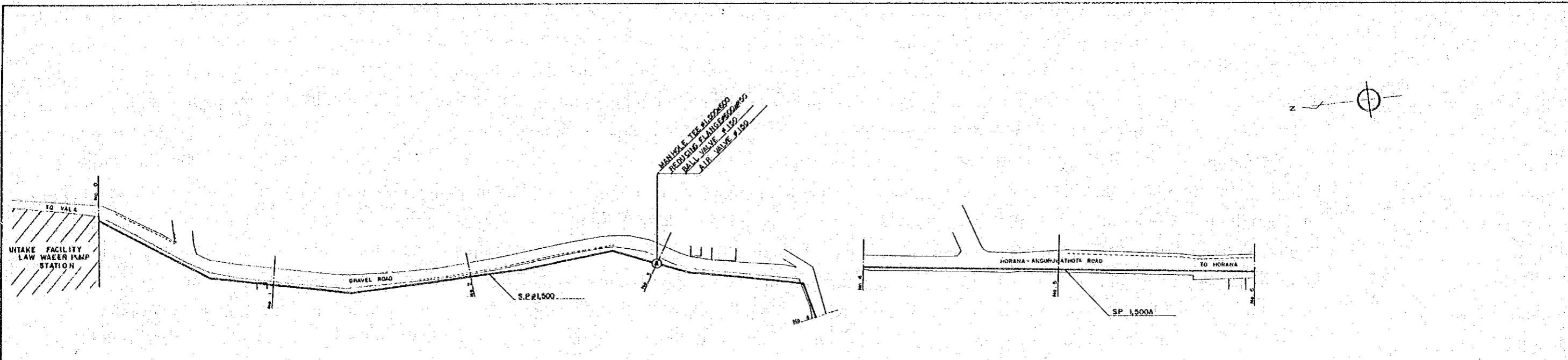


SECTION H-H  
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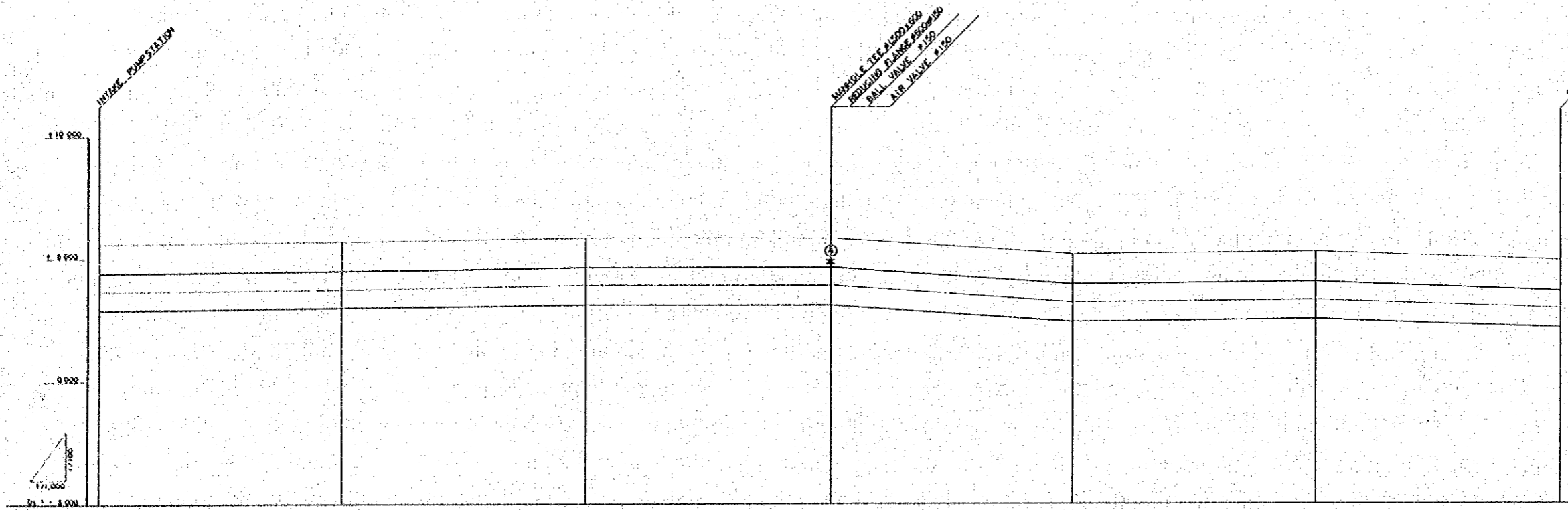


I.5 SINGLE LINE DIAGRAM

# RAW WATER TRANSMISSION MAIN



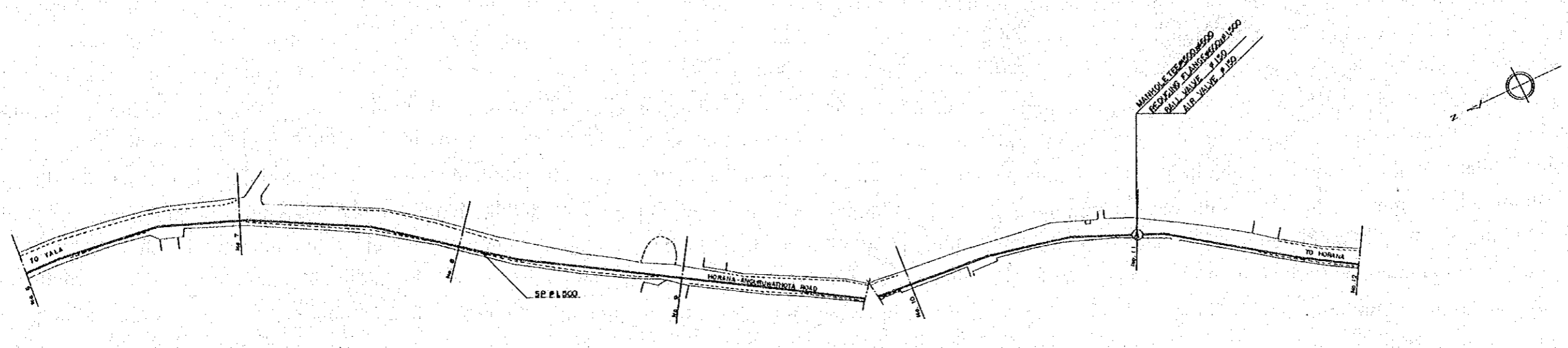
PLAN SCALE 1:1000



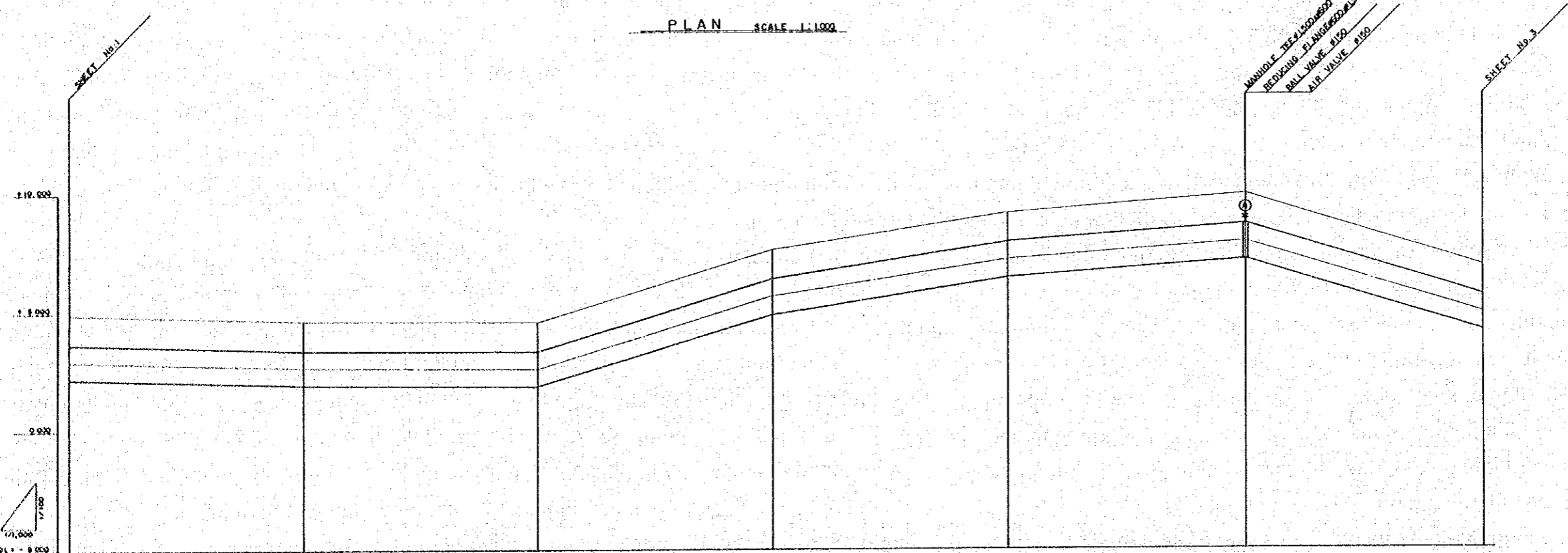
	STEEL PIPE #1500 L = 7,670 m					
PIPE DIAMETER	1500					
OVERBURDEN	0	1.20	1.20	1.20	1.20	1.20
PIPE CENTER	0	3.71	3.81	3.79	3.17	3.29
GROUND ELEVATION	3	3.5	3.74	3.74	3.12	3.24
TOTAL DISTANCE	0	1000.00	2000.00	3000.00	4000.00	5000.00
DISTANCE	0	1000.00	1000.00	1000.00	1000.00	1000.00
NUMBER OF POINT	0	1	2	3	4	5

PROFILE SCALE V=1:100 H=1:1000

R.1 PROFILE 1



PLAN SCALE 1:1000

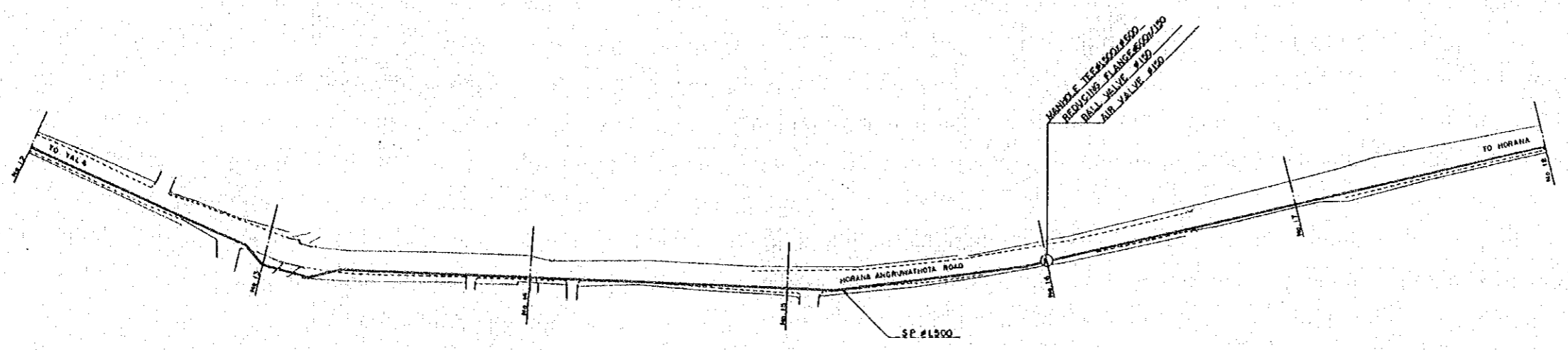


	STEEL PIPE ø1500 L = 7.870m											
PIPE DIAMETER	ø1500											
OVERBURDEN	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20	1.20
PIPE CENTER	2.80	2.65	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
GROUND ELEVATION	4.00	4.40	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51	4.51
TOTAL DISTANCE	0.00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00	1000.00	1100.00
DISTANCE	00	100.00	200.00	300.00	400.00	500.00	600.00	700.00	800.00	900.00	1000.00	1100.00
NUMBER OF POINT	1	2	3	4	5	6	7	8	9	10	11	12

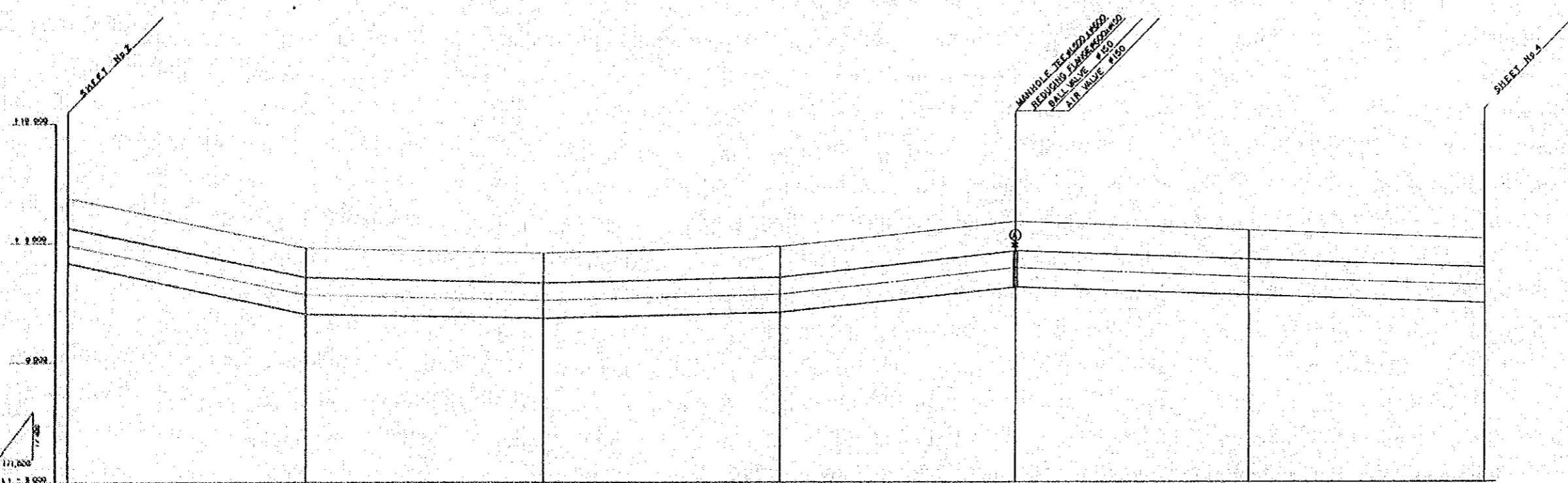
PROFILE SCALE V: 100 H: 1000

R.2 PROFILE 2



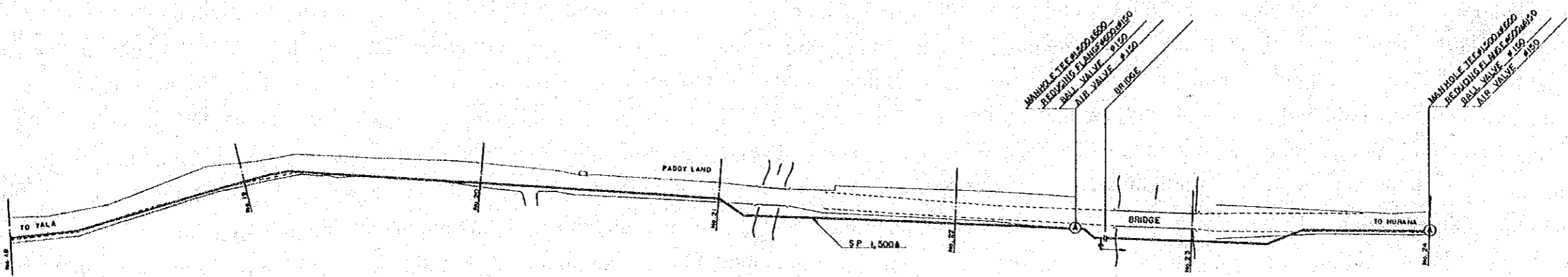


PLAN SCALE 1:1000

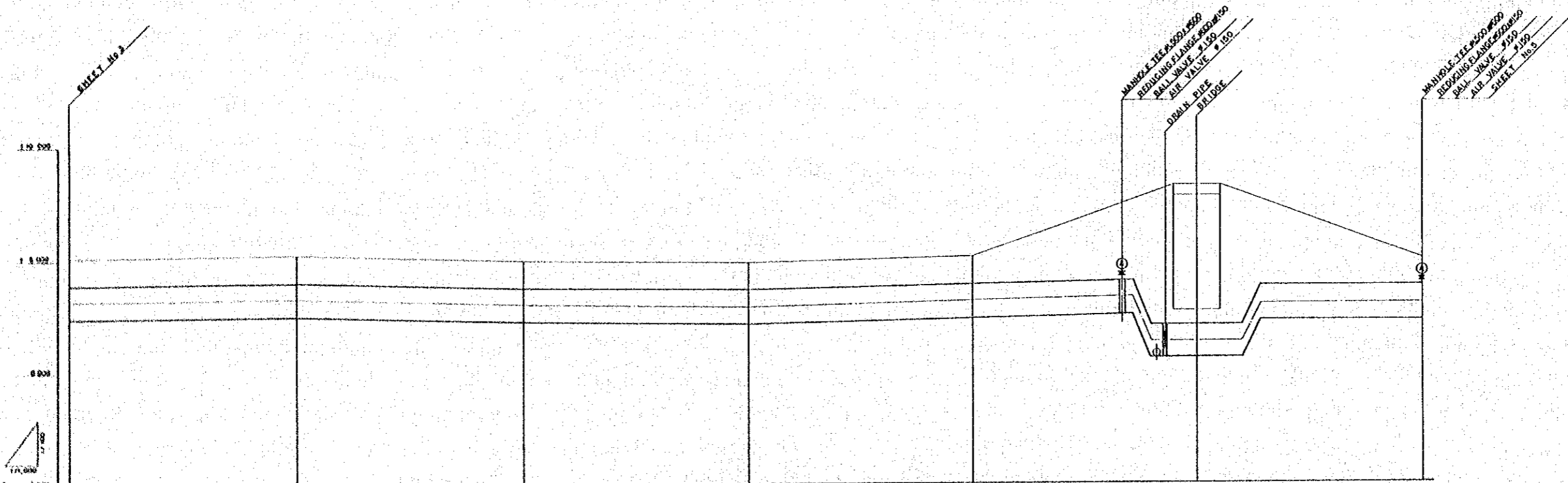


PROFILE SCALE V=1:100 H=1:1000

	STEEL PIPE #1500 L = 7.670 m					
WE DIAMETER						
OVERBROEDEN	1.20	1.20	1.20	1.20	1.20	1.20
PIPE CENTER	7.78	2.88	2.80	3.87	3.52	3.16
GROUND ELEVATION	4.71	4.53	4.75	5.82	3.47	5.11
TOTAL DISTANCE	100.00	400.00	600.00	1000.00	1700.00	2600.00
DISTANCE	100.00	500.00	1000.00	1500.00	2200.00	2600.00
NUMBER OF POINT	No. 13	No. 14	No. 15	No. 16	No. 17	No. 18



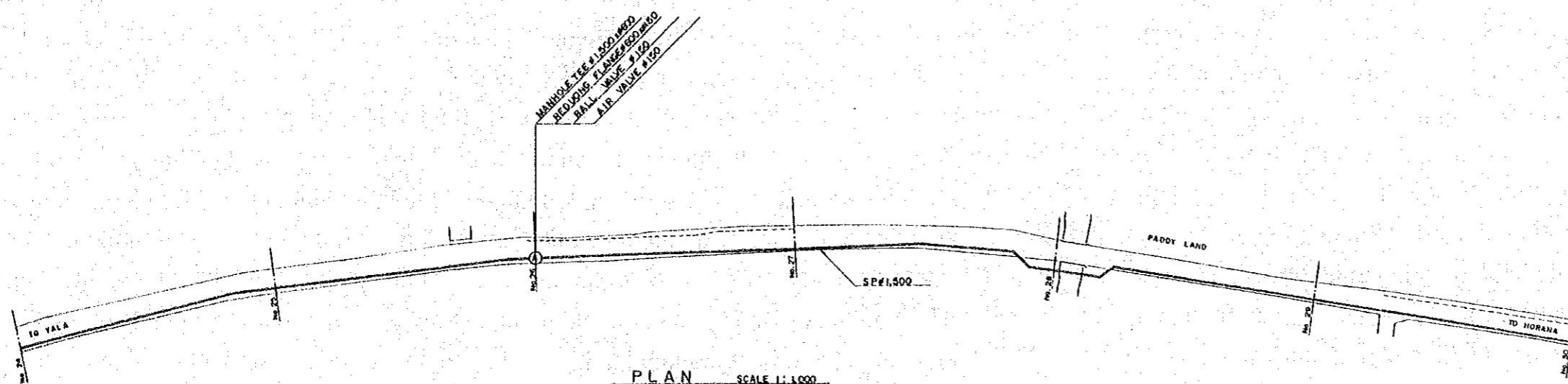
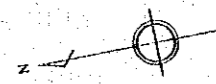
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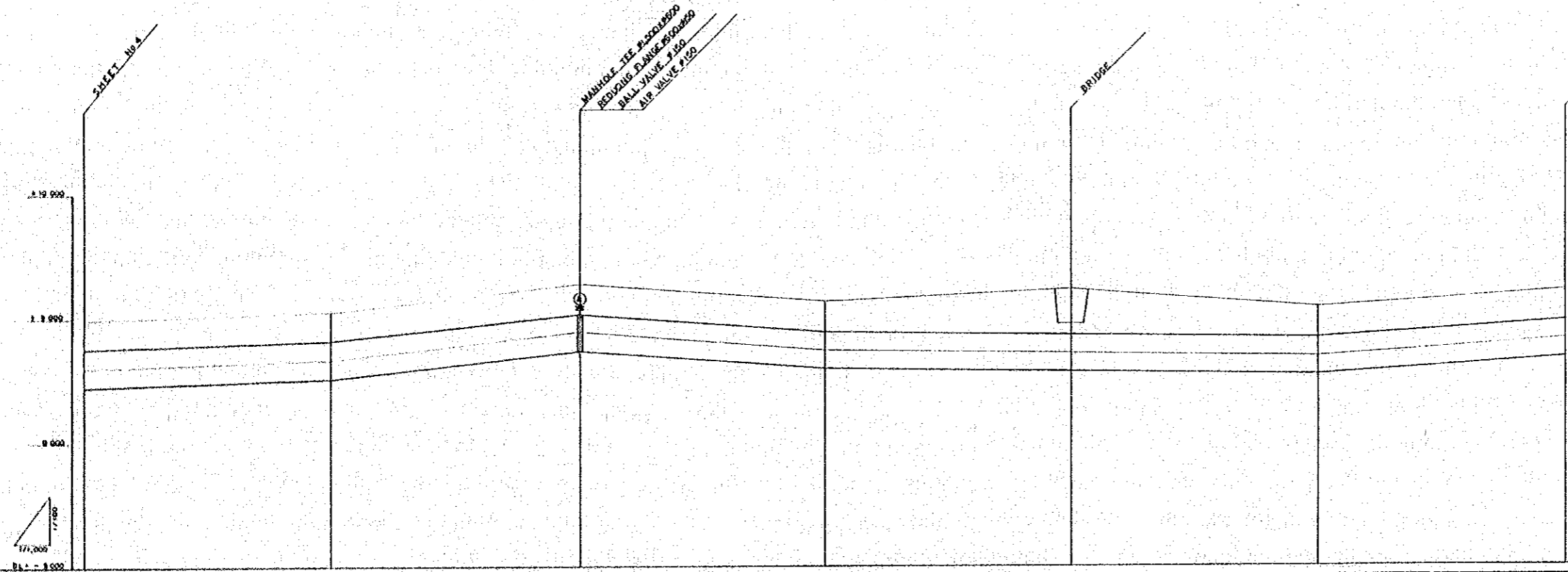
STEEL PIPE #1500 L= 7,670 m

PIPE DIAMETER	1500					
PIPE THICKNESS	7.20	7.20	1.20	1.20	1.70	1.20
PIPE CENTER	1.4	1.24	2.1	2.83	3.08	3.01
GROUND ELEVATION	8.11	8.19	8.4	8.78	9.03	8.20
TOTAL DISTANCE	0	100.00	200.00	300.00	400.00	500.00
DISTANCE	0	100.00	200.00	300.00	400.00	500.00
NUMBER OF POINT	1	2	3	4	5	6

PROFILE SCALE V:1:100 H:1:1000



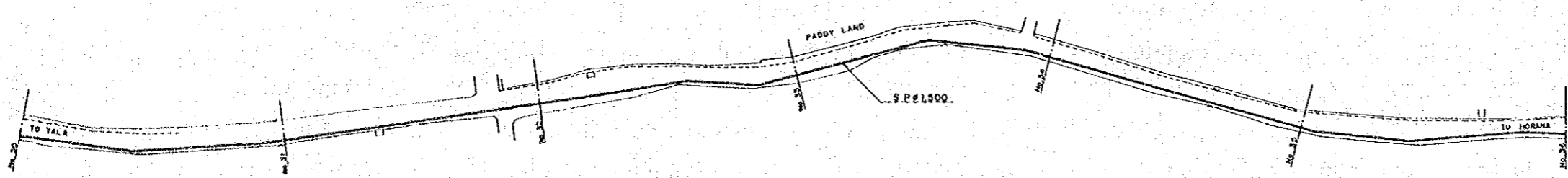
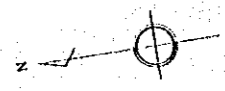
PLAN SCALE 1:1000



	STEEL PIPE 21000 L = 7.670m					
PIPE DIAMETER						
OVER BURDEN	1.20	1.20	1.20	1.20	2.62	1.20
PIPE CENTER	9.80	9.80	9.80	9.80	9.80	9.80
GROUND ELEVATION	9.80	9.25	8.37	5.61	6.72	5.42
TOTAL DISTANCE	0.00	100.00	200.00	300.00	400.00	500.00
DISTANCE	0	100	200	300	400	500
NUMBER OF POINT	1	2	3	4	5	6

PROFILE SCALE V=1:100 H=1:1000

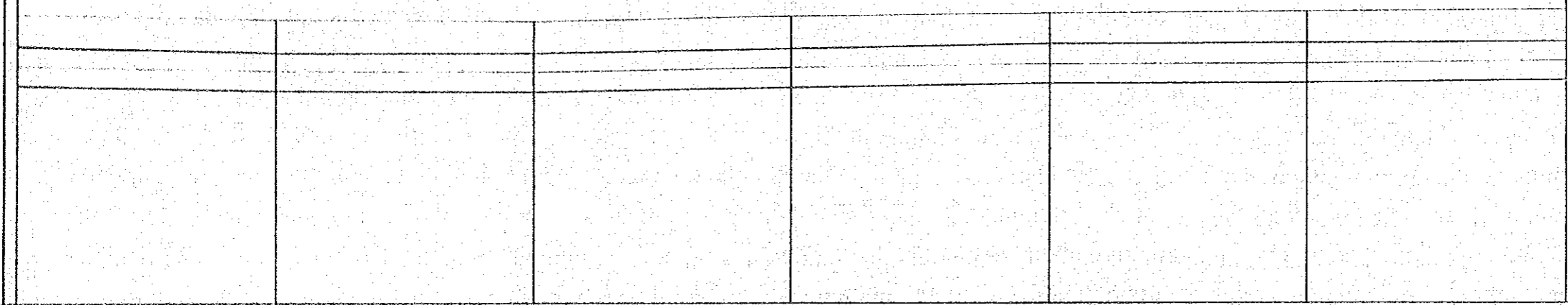
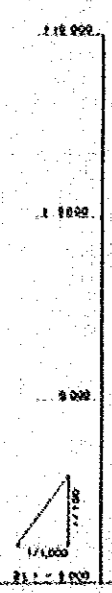
R.5 PROFILE 5



PLAN SCALE 1:1,000

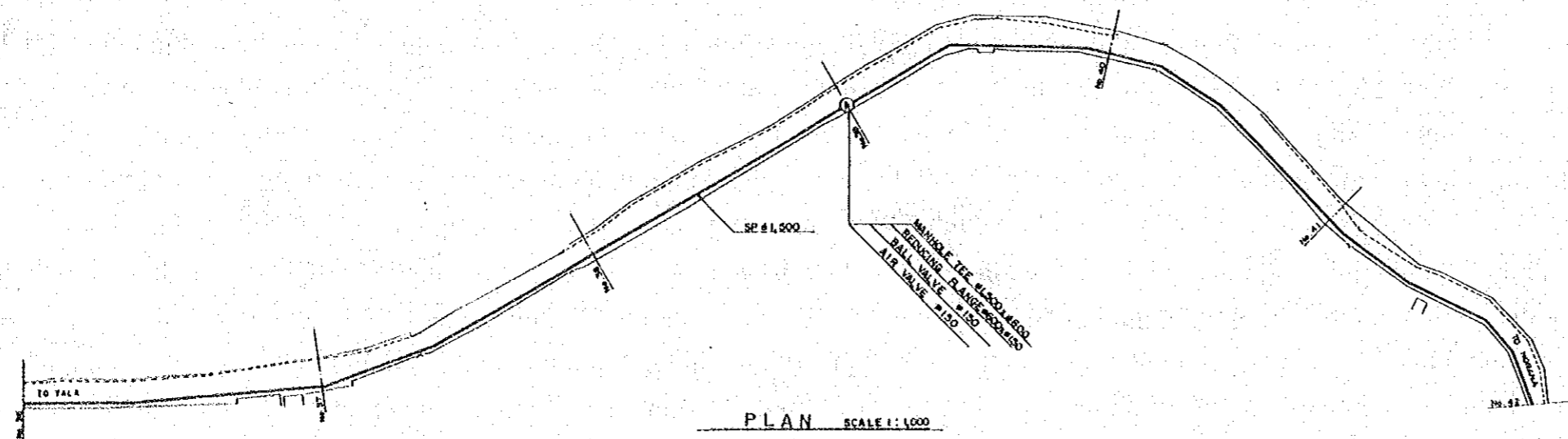
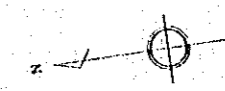
SHEET No. 5

SHEET No. 7

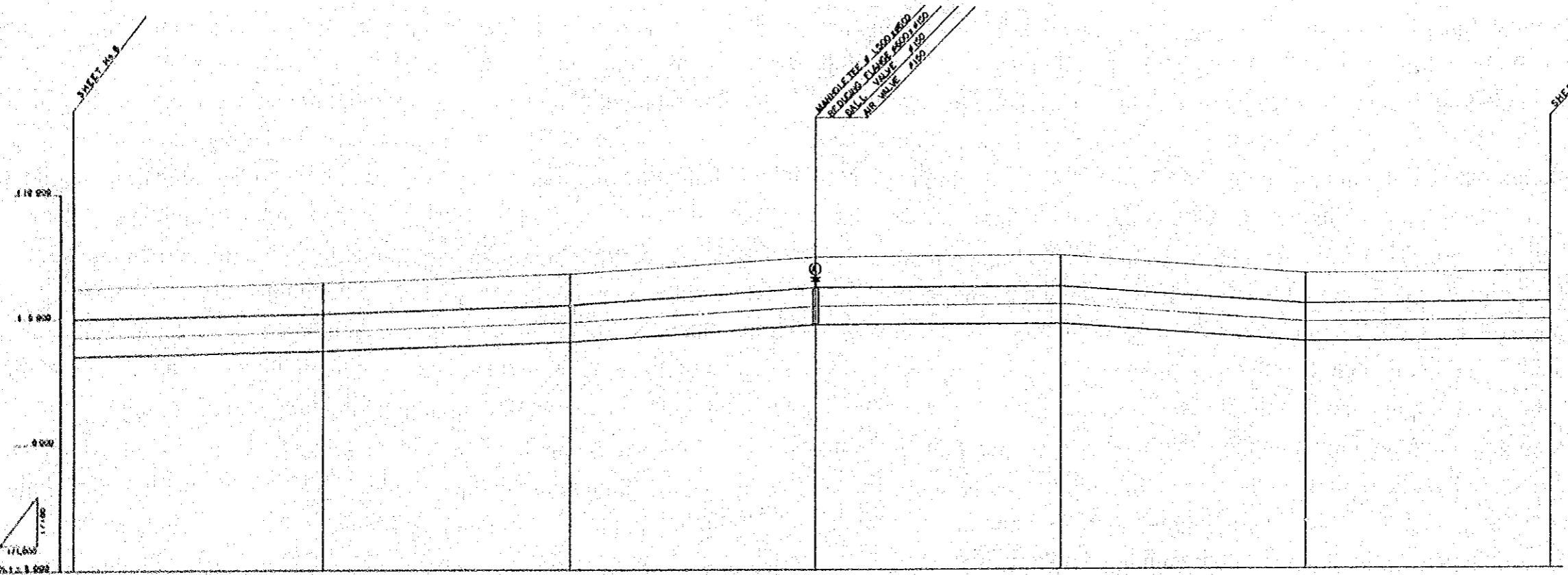


		STEEL PIPE #1,000 L = 7,670 m					
PIPE DIAMETER	1,000						
OVER BURDEN	1.20	1.20	1.20	1.20	1.20	1.20	1.20
PIPE CENTER	3.81	3.81	4.01	4.10	4.18	4.27	
GROUND ELEVATION	5.84	5.74	5.84	5.88	6.13	6.22	
TOTAL DISTANCE	100.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00	3,000.00
DISTANCE	100.00	100.00	100.00	100.00	100.00	100.00	100.00
NUMBER OF POINT	2	No. 31	No. 32	No. 33	No. 34	No. 35	No. 36

PROFILE SCALE V = 1:100 H = 1:1,000



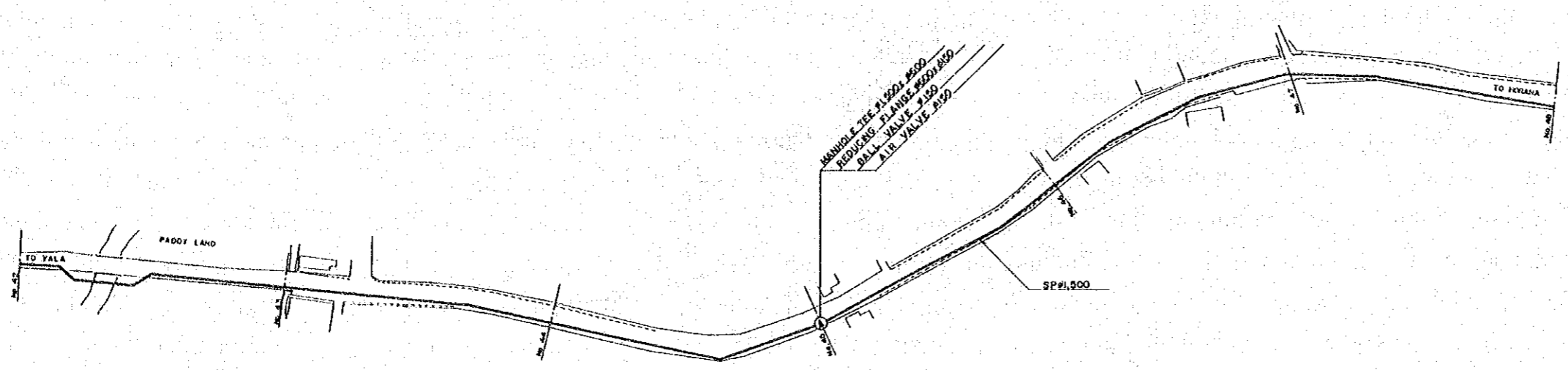
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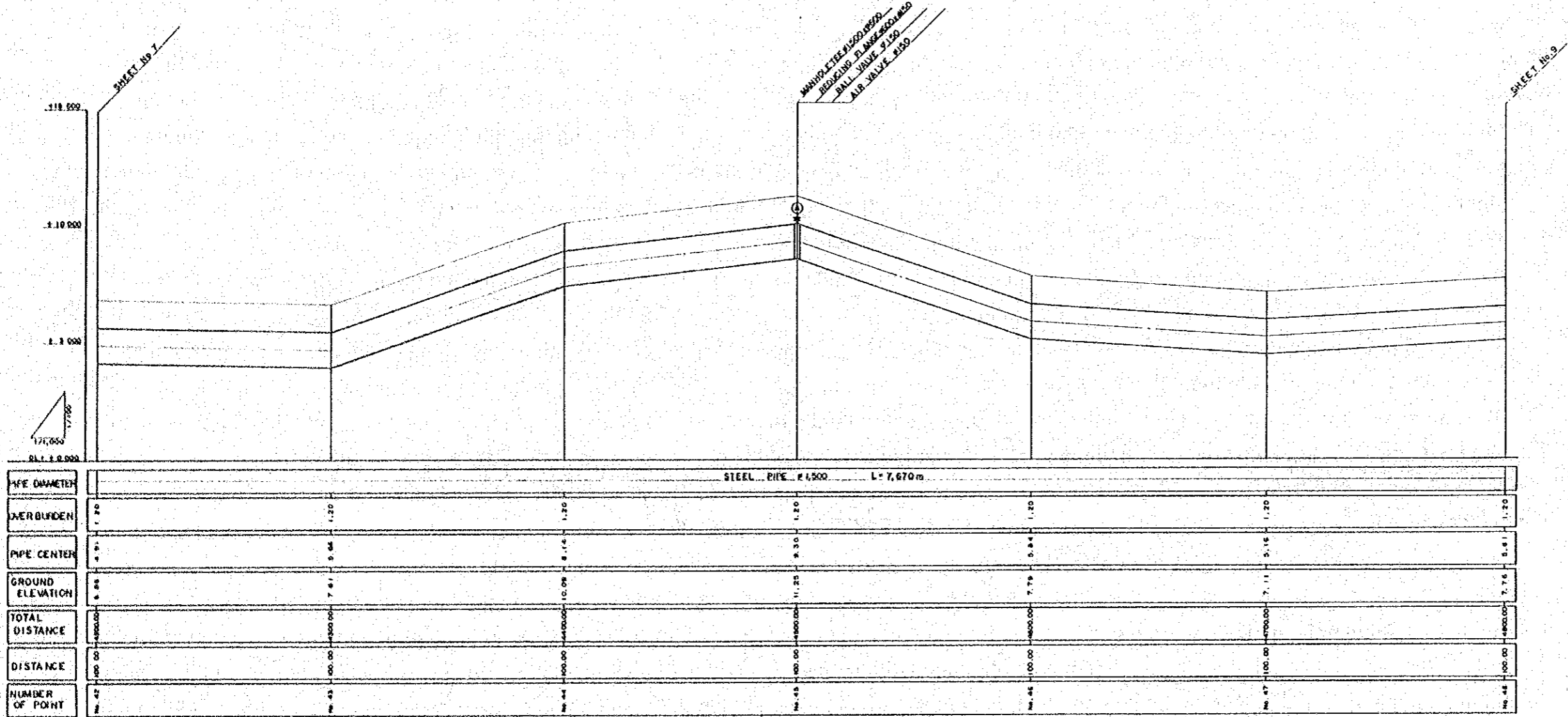
PROFILE SCALE V: 1:100 H: 1:1,000

DIAMETER	STEEL PIPE #1,500 L = 7,670 ft						
OVERLAP	0.20	0.20	1.20	1.20	1.20	1.20	1.20
PIPE CENTER	0.00	0.00	4.80	9.40	15.50	22.70	30.00
GROUND ELEVATION	4.75	4.85	4.75	7.51	7.40	6.77	4.85
TOTAL DISTANCE	0.00	0.00	380.00	760.00	1140.00	1520.00	1900.00
DISTANCE	0.00	0.00	0.00	100.00	200.00	300.00	400.00
NUMBER OF POINT	1	2	3	4	5	6	7

R.7 PROFILE 7



PLAN SCALE 1:1000



PROFILE SCALE V:1:100 H:1:1000

R.8 PROFILE 8