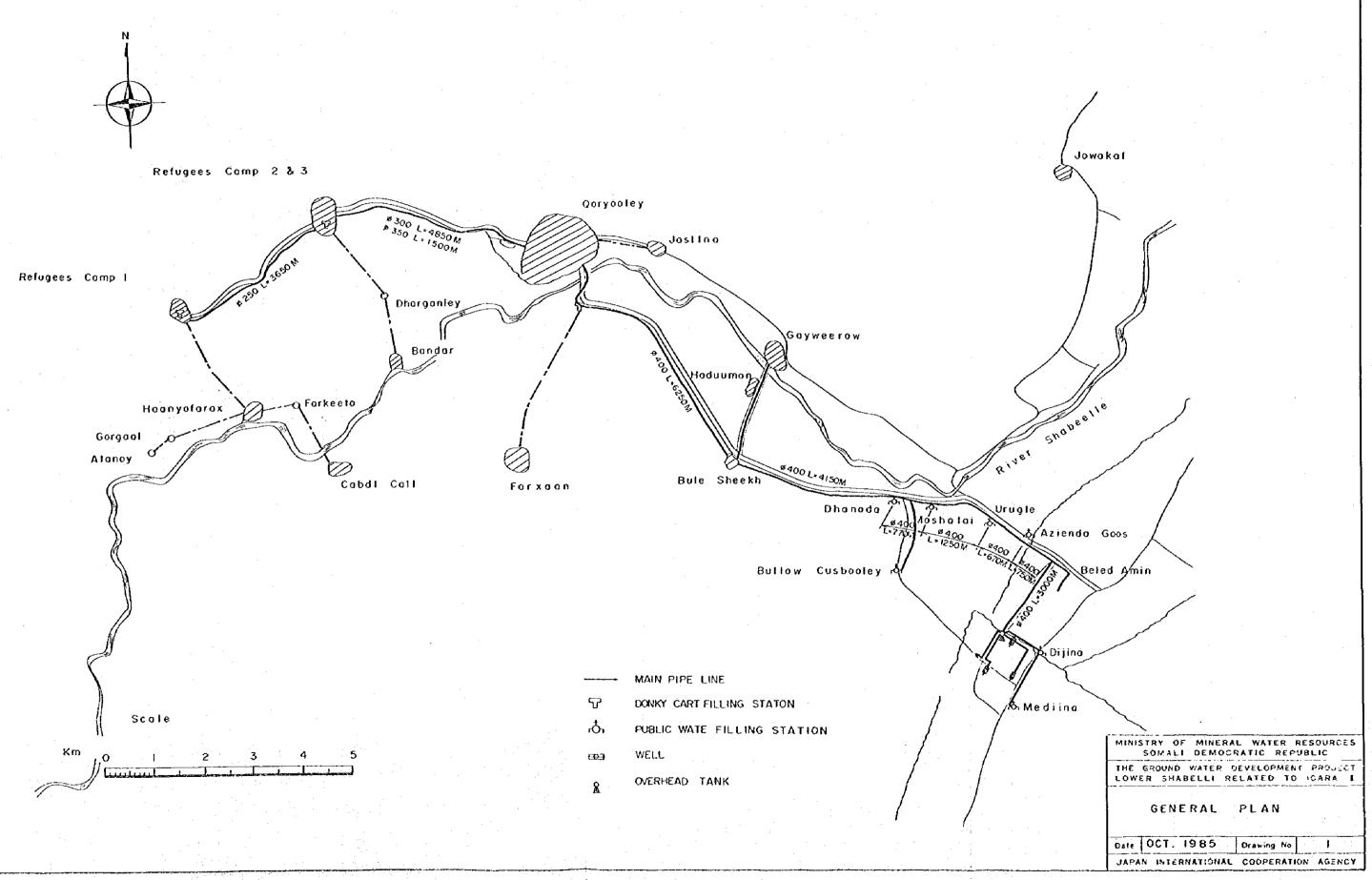
## ANNEX 20 References

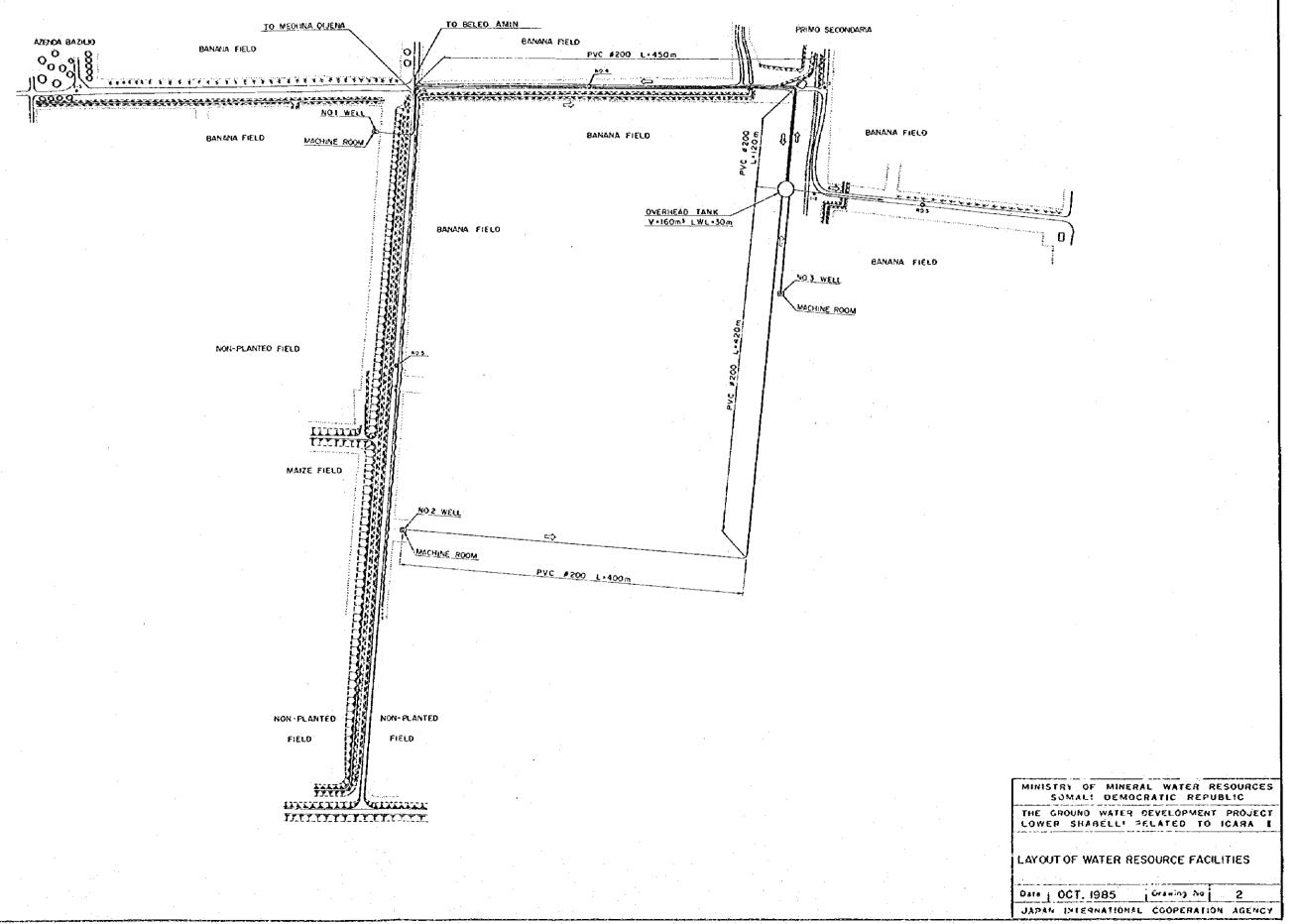
#### REFERENCES

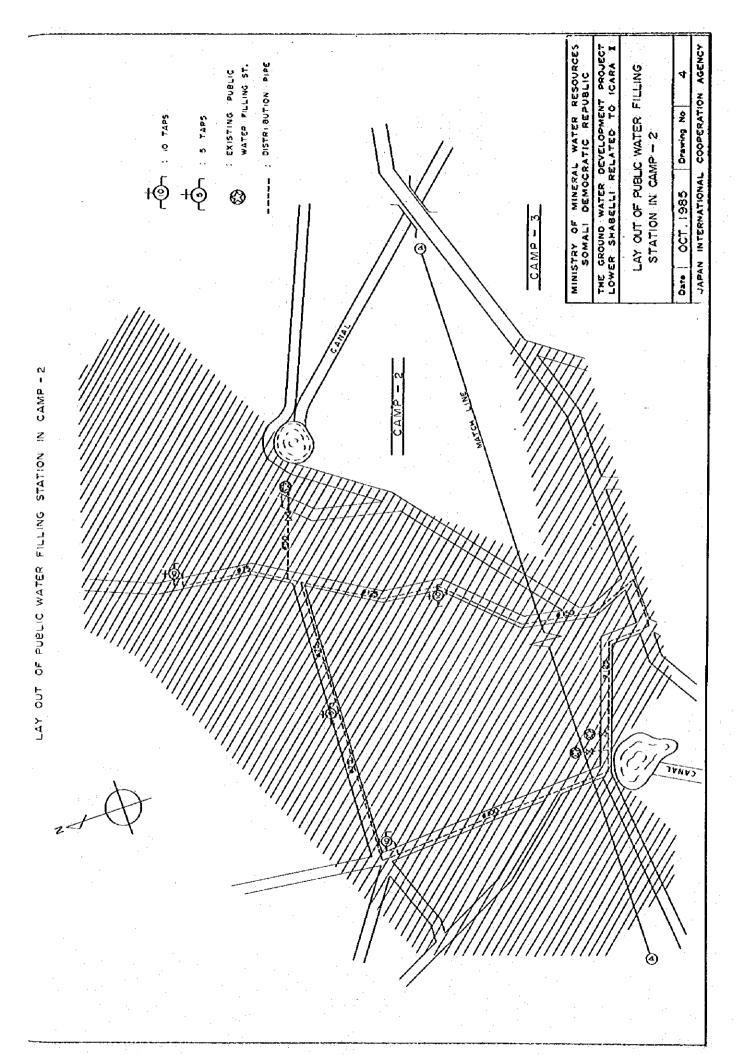
1.	1984-1986	nd Public Investmeth Pro Ministry of Nationa	al Planning 1983/12
6.1			
2.		ing Water Supply and San 1984 - 1990 Volume II	
	Jonatia for the period	1304 - 1330 tolding 11	190 <b>3/2</b>
3	- Technical Report -		
<b>J.</b>	Refugee Water Supply I	Project	UNICEF 1982
	<ul> <li>Stranger at the School of the Control</li> </ul>		
4.	Somalia in figures	Ministry of Nationa	1 Planning 1985/2
5.	Plan for the Drinking W	Water Supply and Sanitat	ion Sector in
	Somalia for the decade	1981 - 1990 Volume I	1981/10
6.	Refugee Settlement Prog	gramme in Somalia	
7.	Agricultural Refugee Se	ettlement Schemes at Qor	yoley District,
٠.	& Lower Shabell Region		UNHCR 1985/1
8.	Qoryooley Water Supply	Project	WHO 1981/4
9.	Five Year Development P	Plan	1982-1986
		Ministry of Nationa	1 Planning 1982
10.	Annual Development Plan	n	1985
		Ministry of Nationa	1 Planning 1984/12
11.	Italian Program for Ref	fugees in Somalia	
* .			ETACONSUIT 1984/7
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3 . 3 .			
13.	Proposal for Programme	Inplementation	GJZ 1984/7
14.	Somalia Geological Map		MMWR 1979

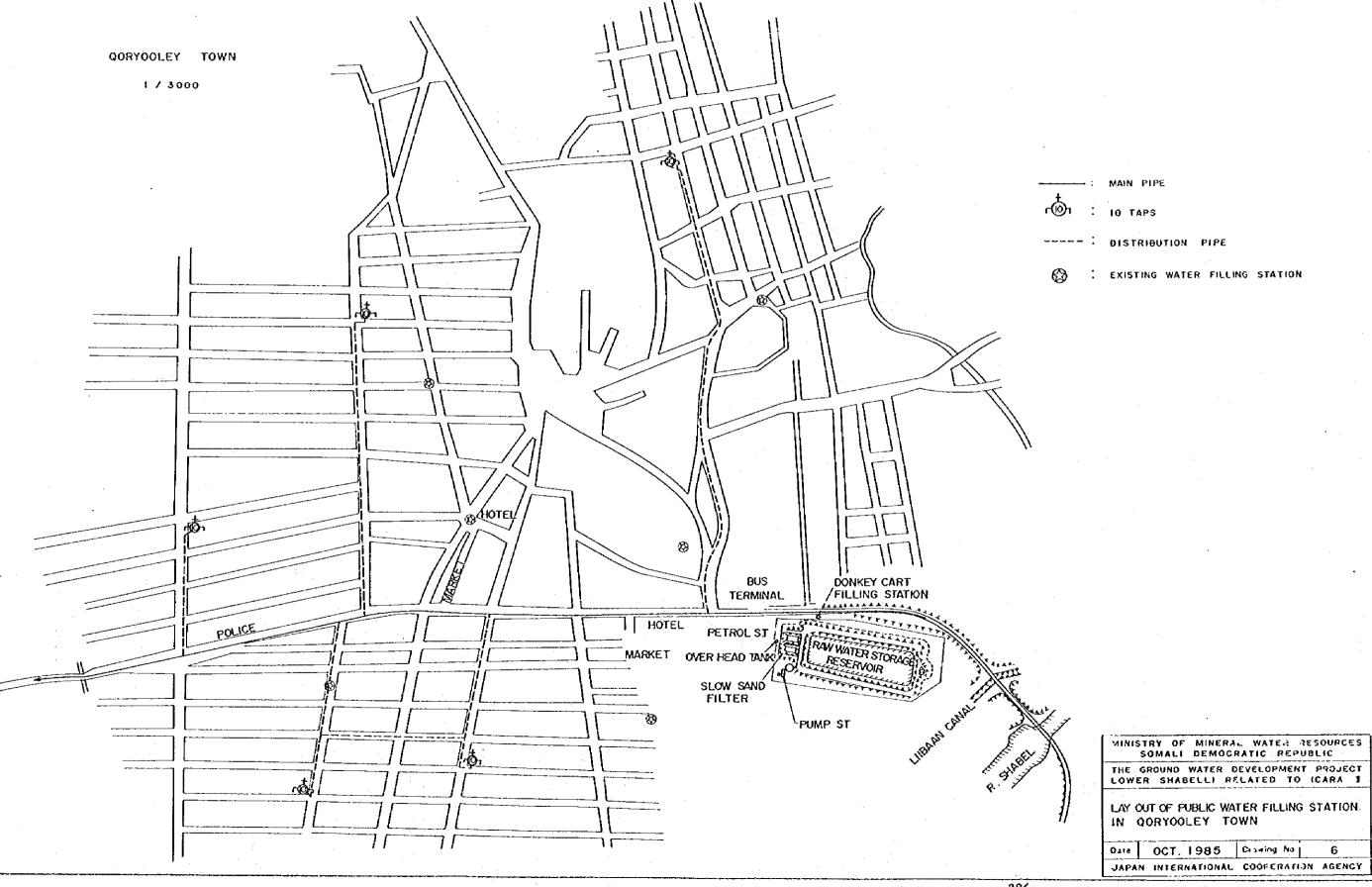
15.	Report of Irrigation	Authority				
		Page 18 and 18			and the second	
16.	Somali Meteorological					1985
	$\label{eq:constraints} \hat{\boldsymbol{x}}_{i}(\boldsymbol{x}, \boldsymbol{x}_{i}) = \hat{\boldsymbol{x}}_{i}(\boldsymbol{x}_{i}, \boldsymbol{x}_{i}) + \hat{\boldsymbol{x}}_{i}(\boldsymbol{x}_{i}, \boldsymbol{x}_{i}) + \hat{\boldsymbol{x}}_{i}(\boldsymbol{x}_{i}, \boldsymbol{x}_{i})$	and other			$(x_i) = \frac{1}{4} \left( \frac{\partial^2 x_i}{\partial x_i} \right)^{\frac{1}{2} + \frac{1}{2}}$	
17.	Well Data (Afgoi) rep	orted by I	Paillace a	nd	1 - " 1	
	Groundwater Resources	in Agrica	ıltural La	nd		
	in Janaale		. :			1985
				. (* <sup>1</sup> · · · · · · · · · · · · · · · · · · ·	7 - 4 D	
18.	Hydrogeological Repor	t in Jana	ale report	ed by M	acDonald	1978
	$(1, \dots, 1, $			de esta esta	11.85.4	
19.	PHC Medical Office	•				1985
	Commence of the second of					
20.	Ministry of Health		***		e e e e e e e	1985
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					English programme	er.

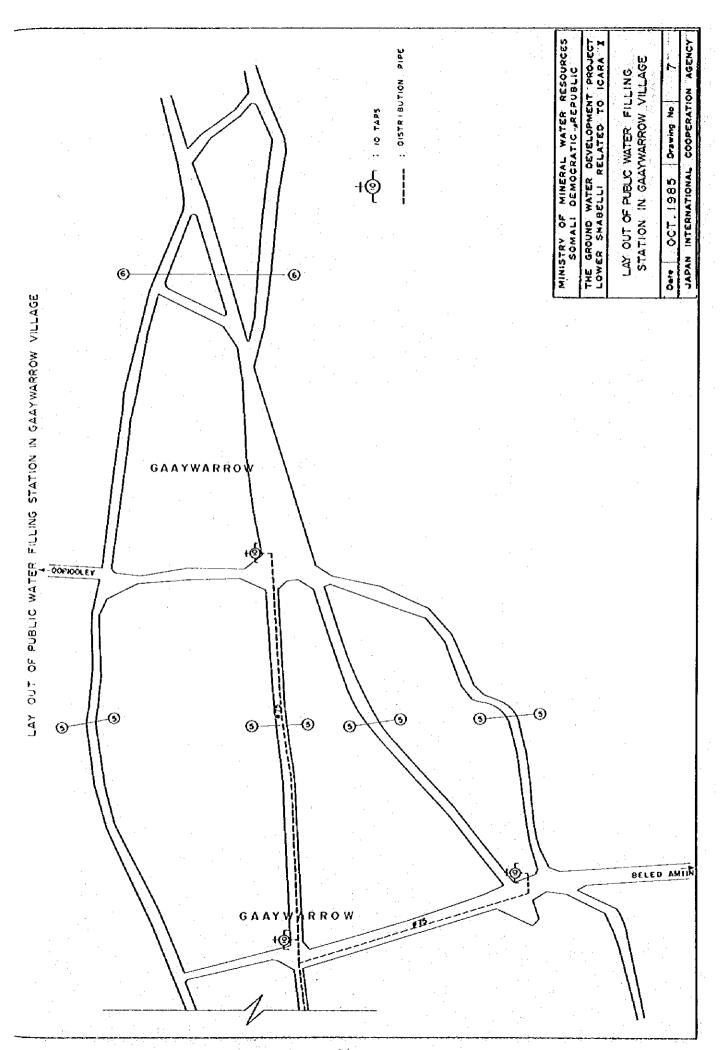
# DRAWINGS

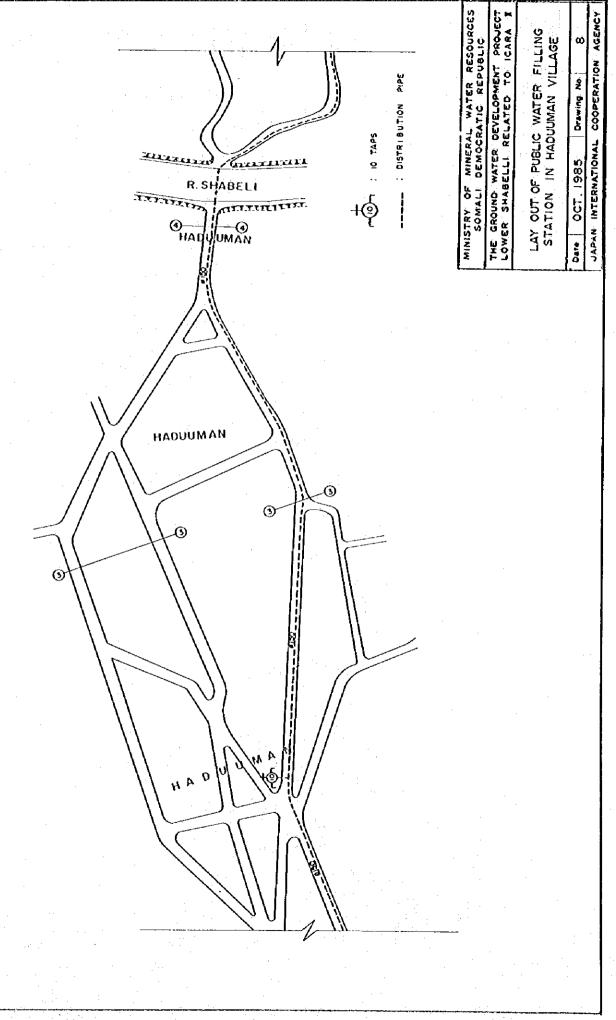


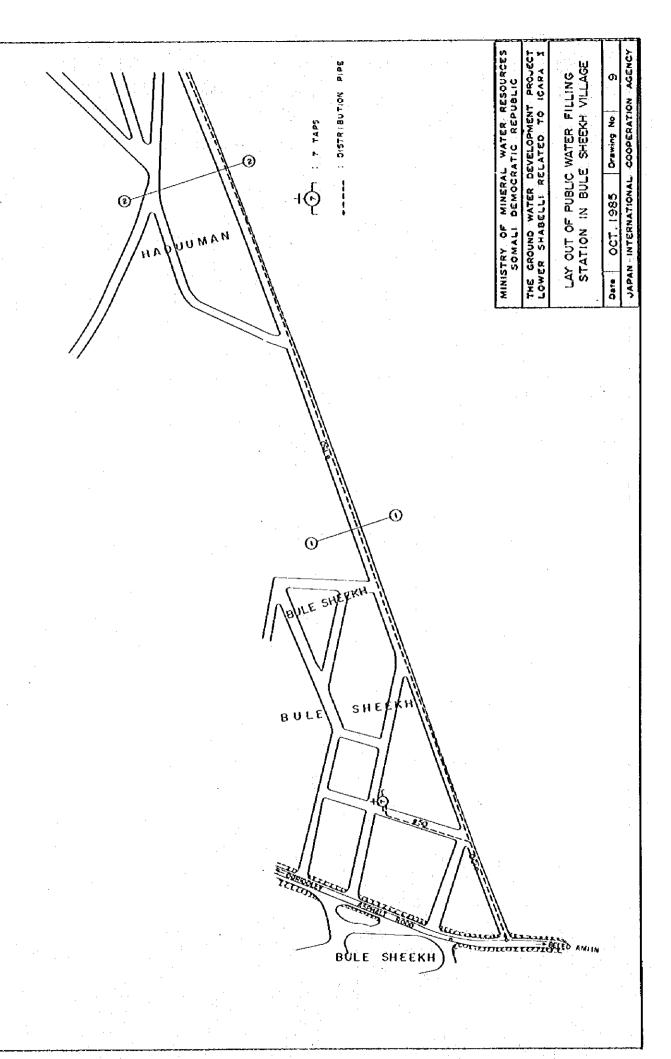


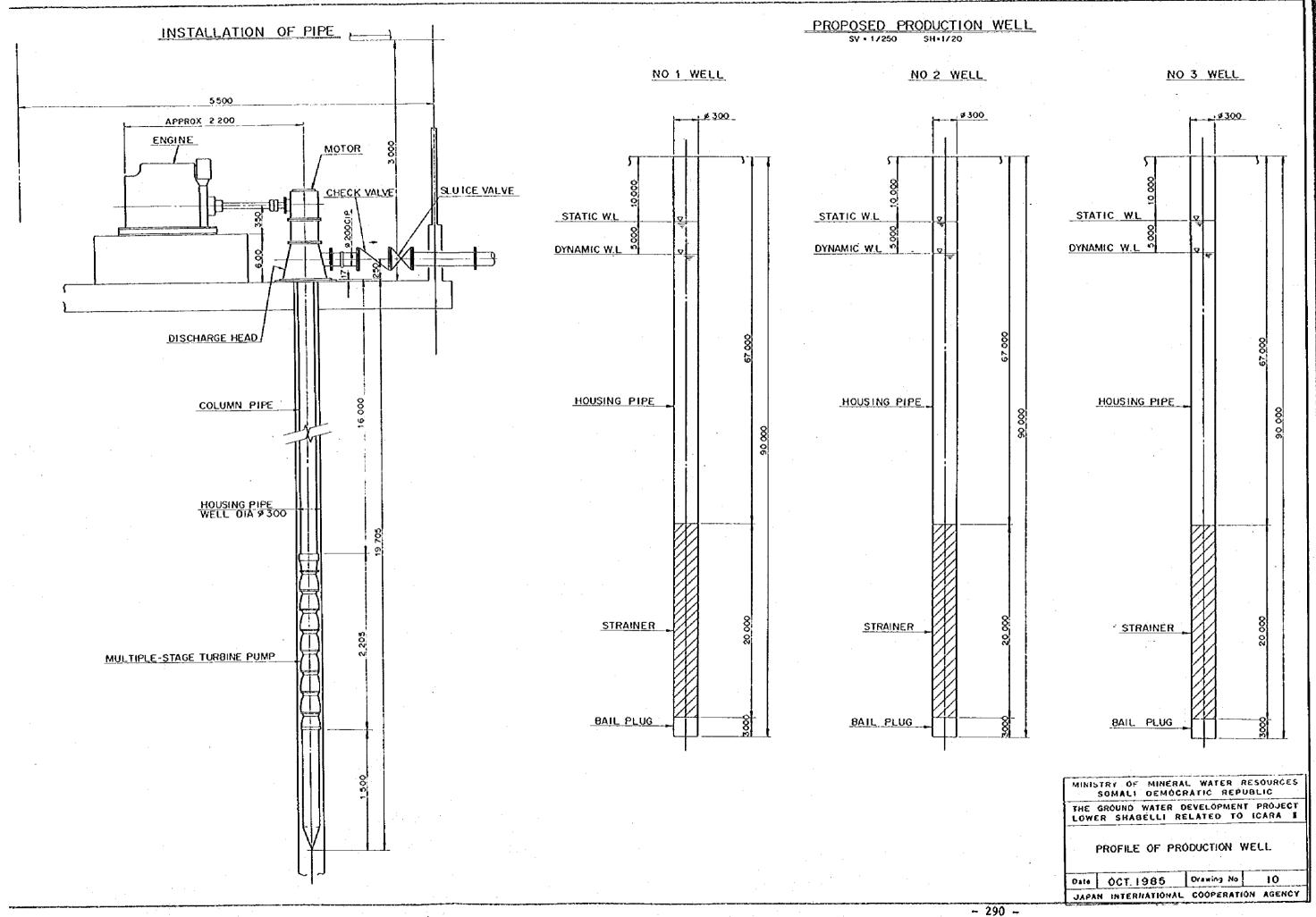






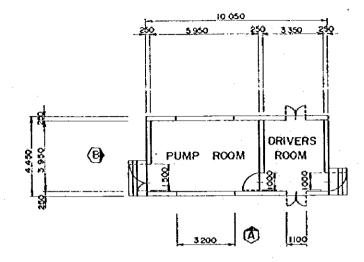






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PUMP HOUSE PLAN

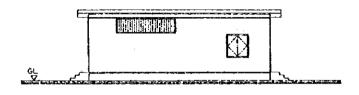


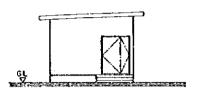


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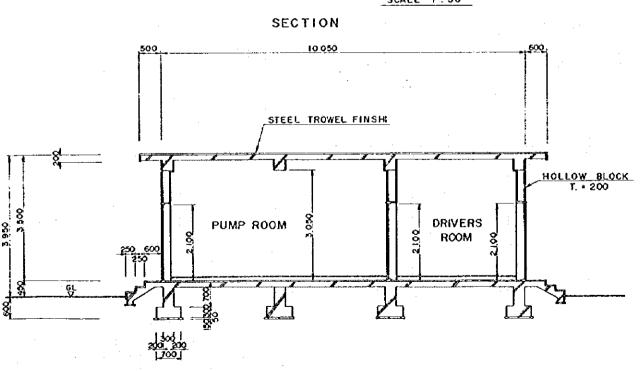
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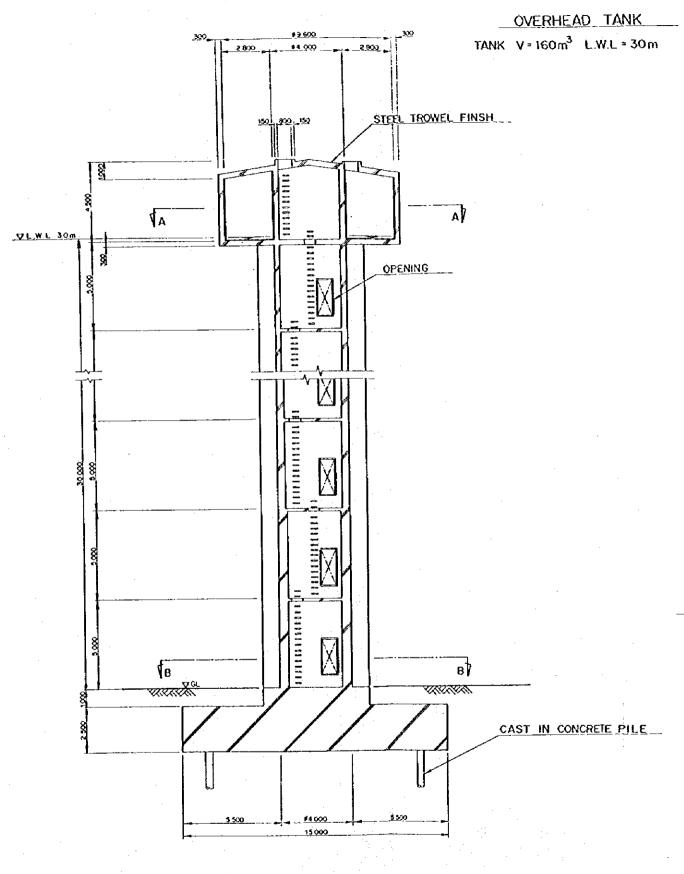




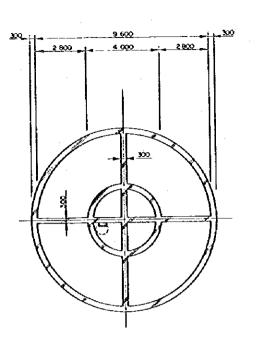




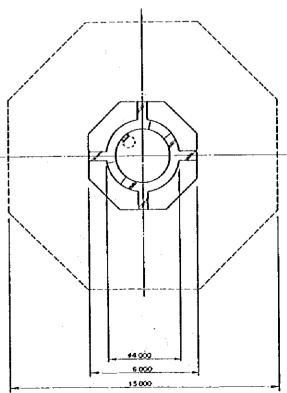
MINISTRY OF MINERAL WATER RESOURCES SOMALI DEMOCRATIC REPUBLIC THE GROUND WATER DEVELOPMENT PROJECT LOWER SHABELLI RELATED TO ICARA & PUMP HOUSE PLAN AND SECTION Date OCT. 1985 Oraning No. JAPAN INTERNATIONAL COOPERATION AGENCY



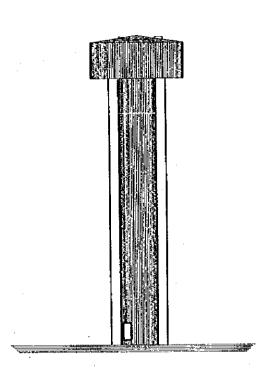
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A - A SECTION SCALE 1:100



8-8 PLAN SCALE 1:100



OUT VIEW SCALE 1:200

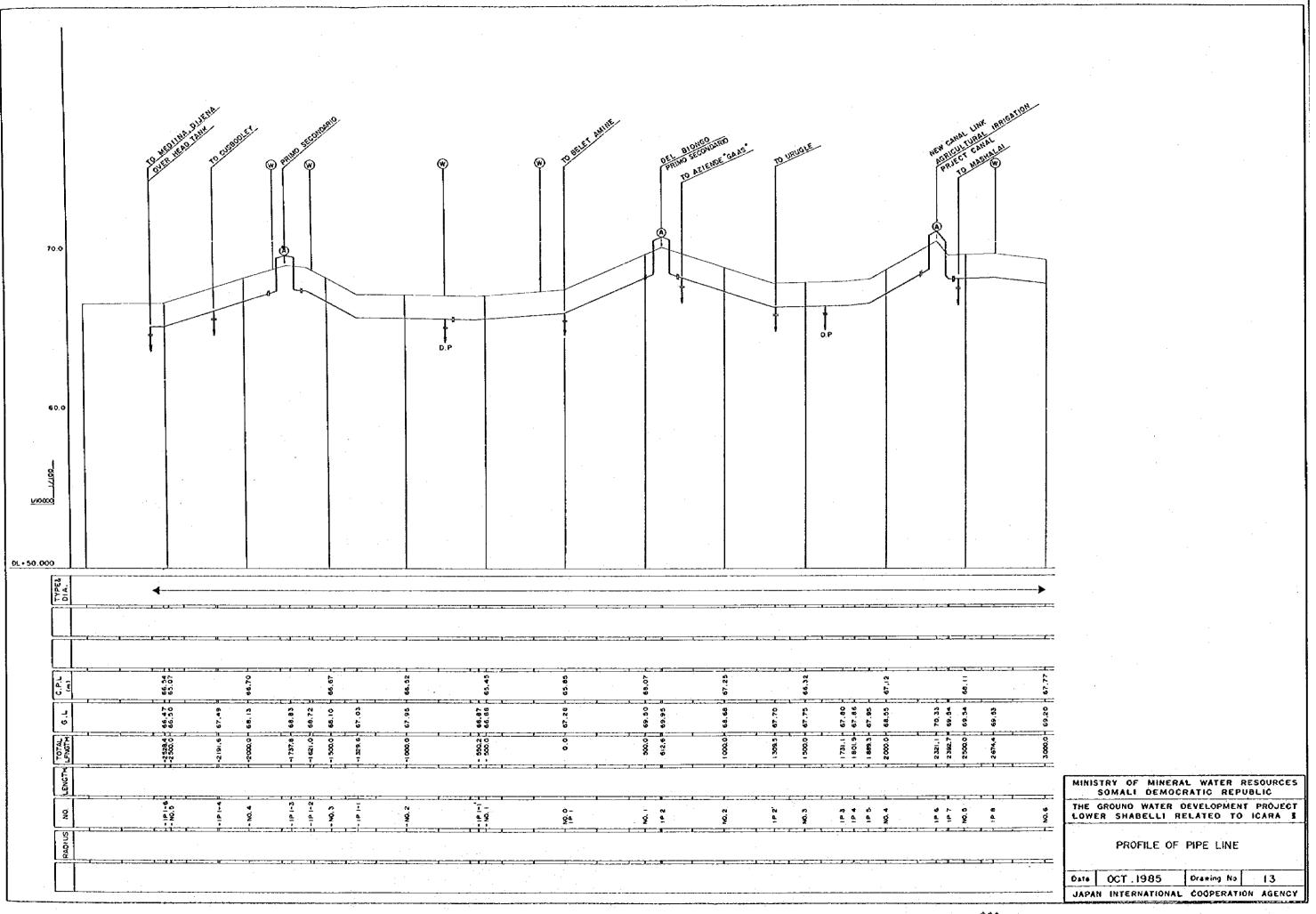
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SOMALI DEMOGRATIC REPUBLIC

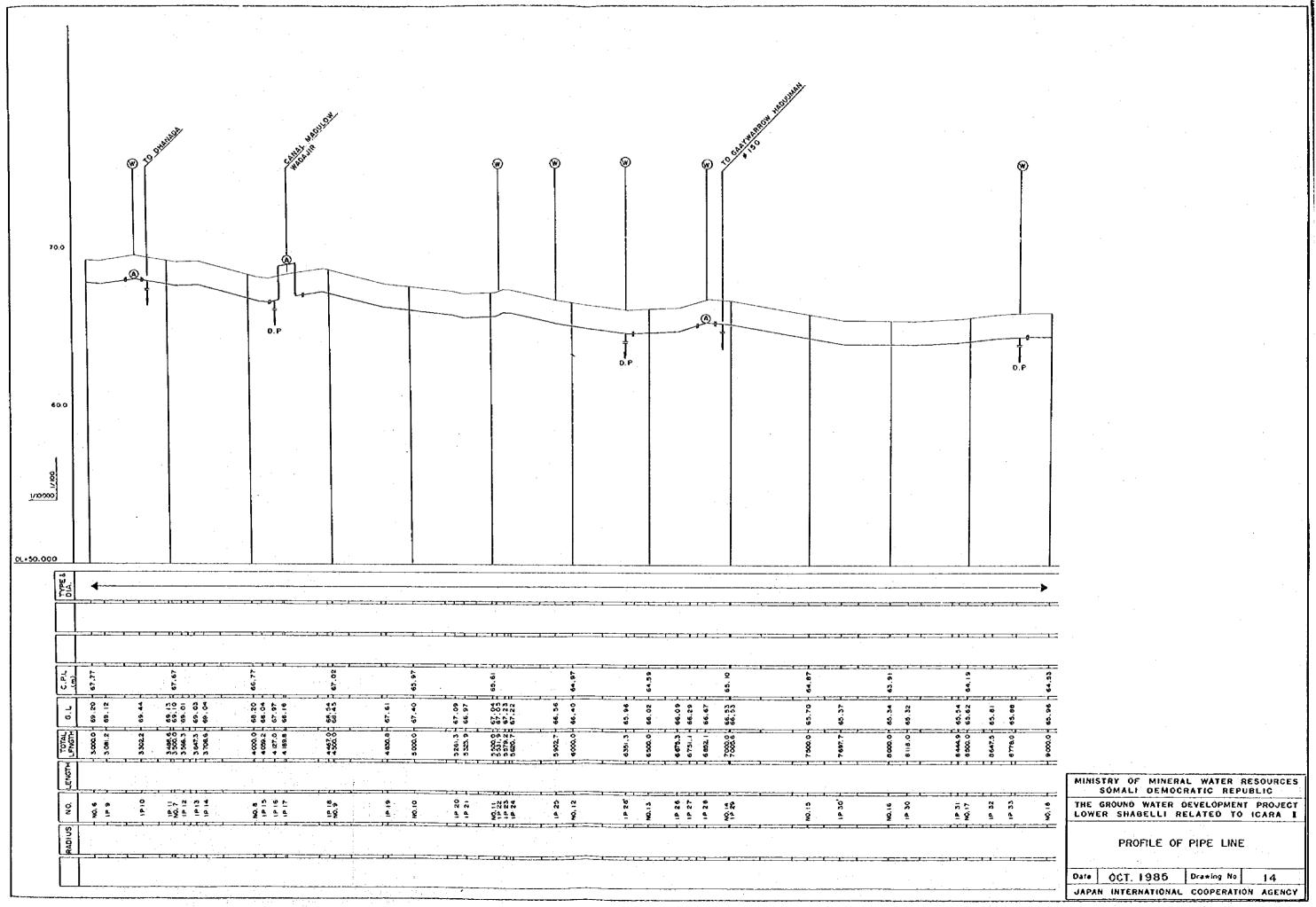
THE GROUND WATER DEVELOPMENT PROJECT
LOWER SHABELLI RELATED TO ICARA I

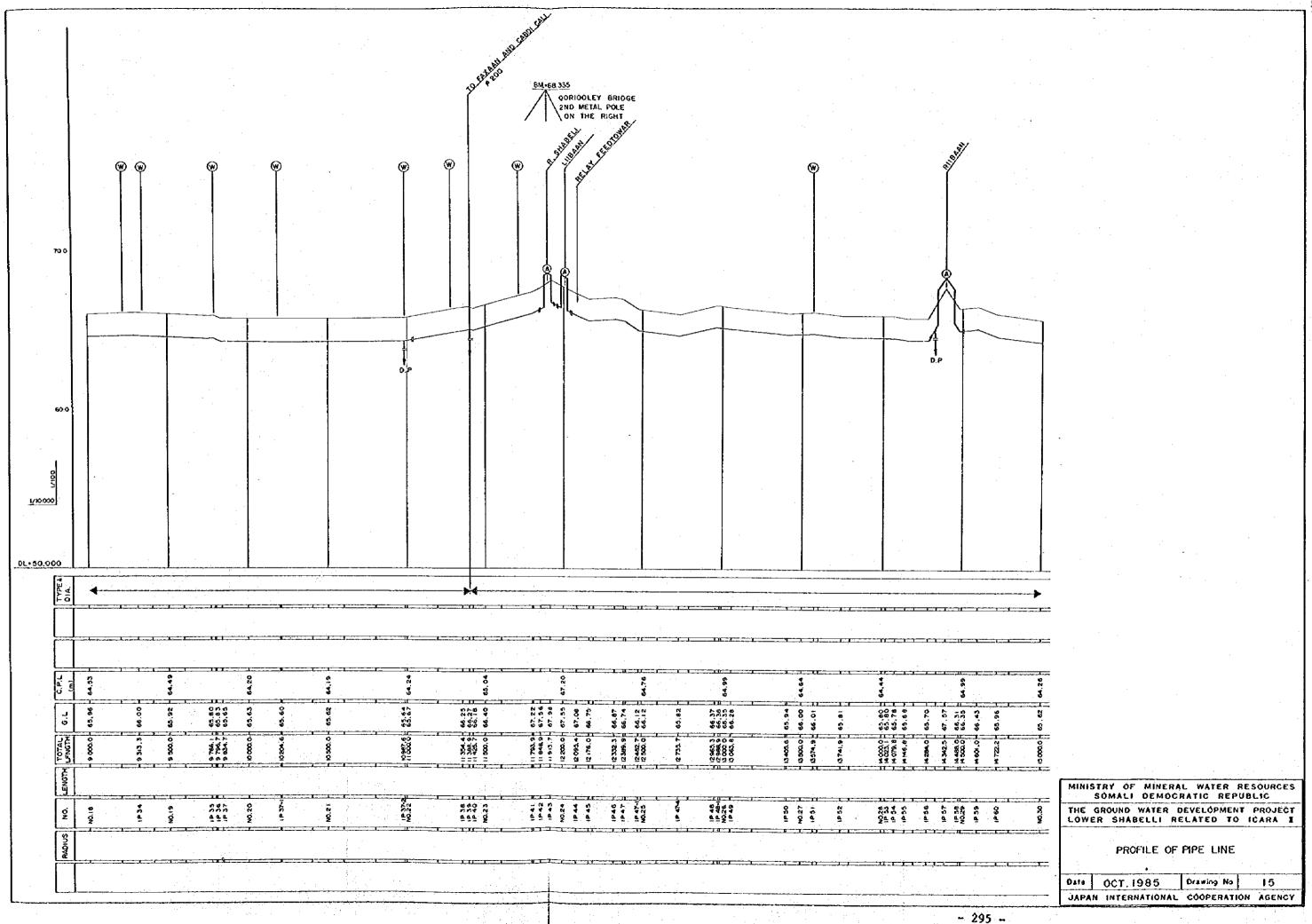
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PLAN AND SECTION

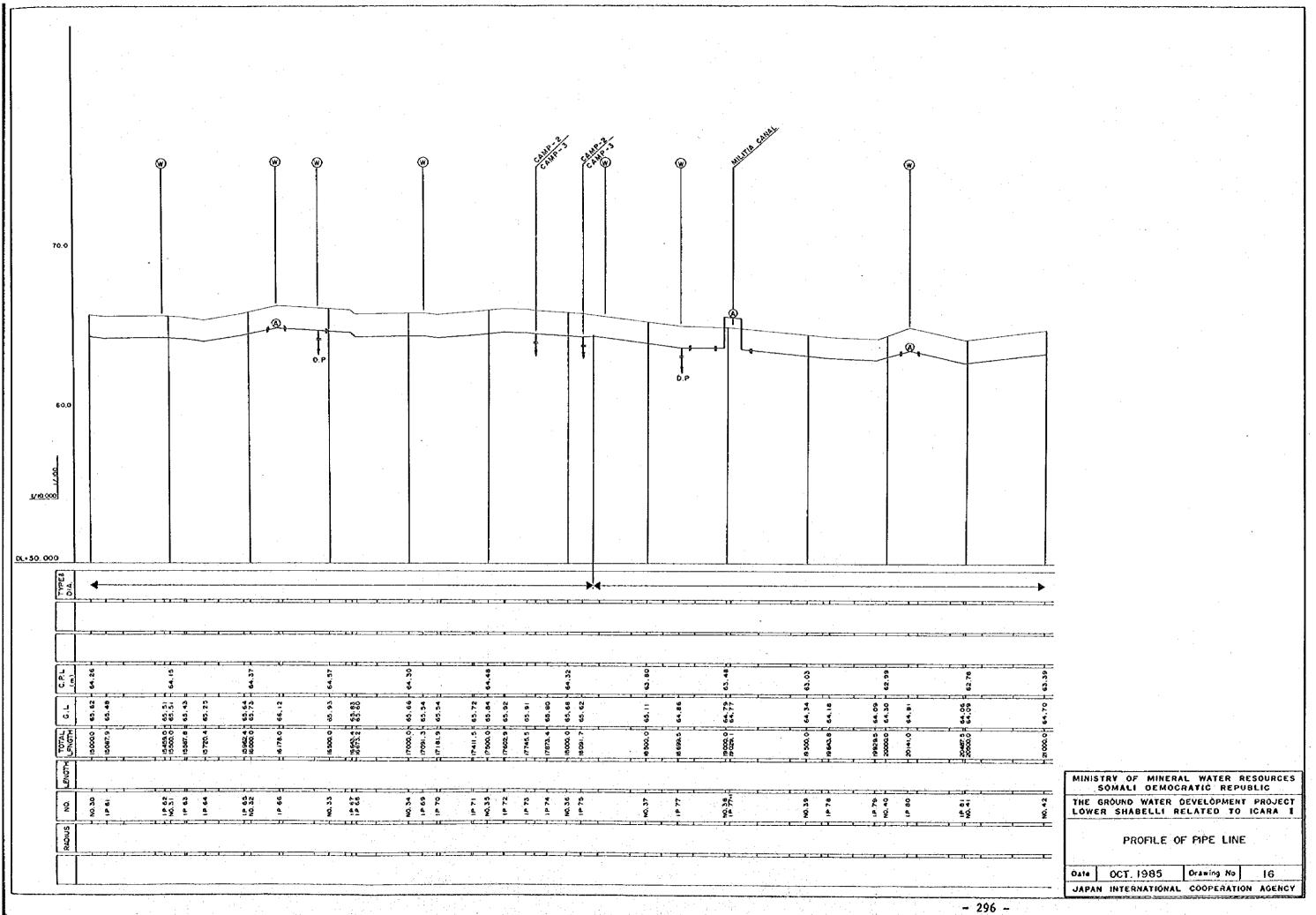
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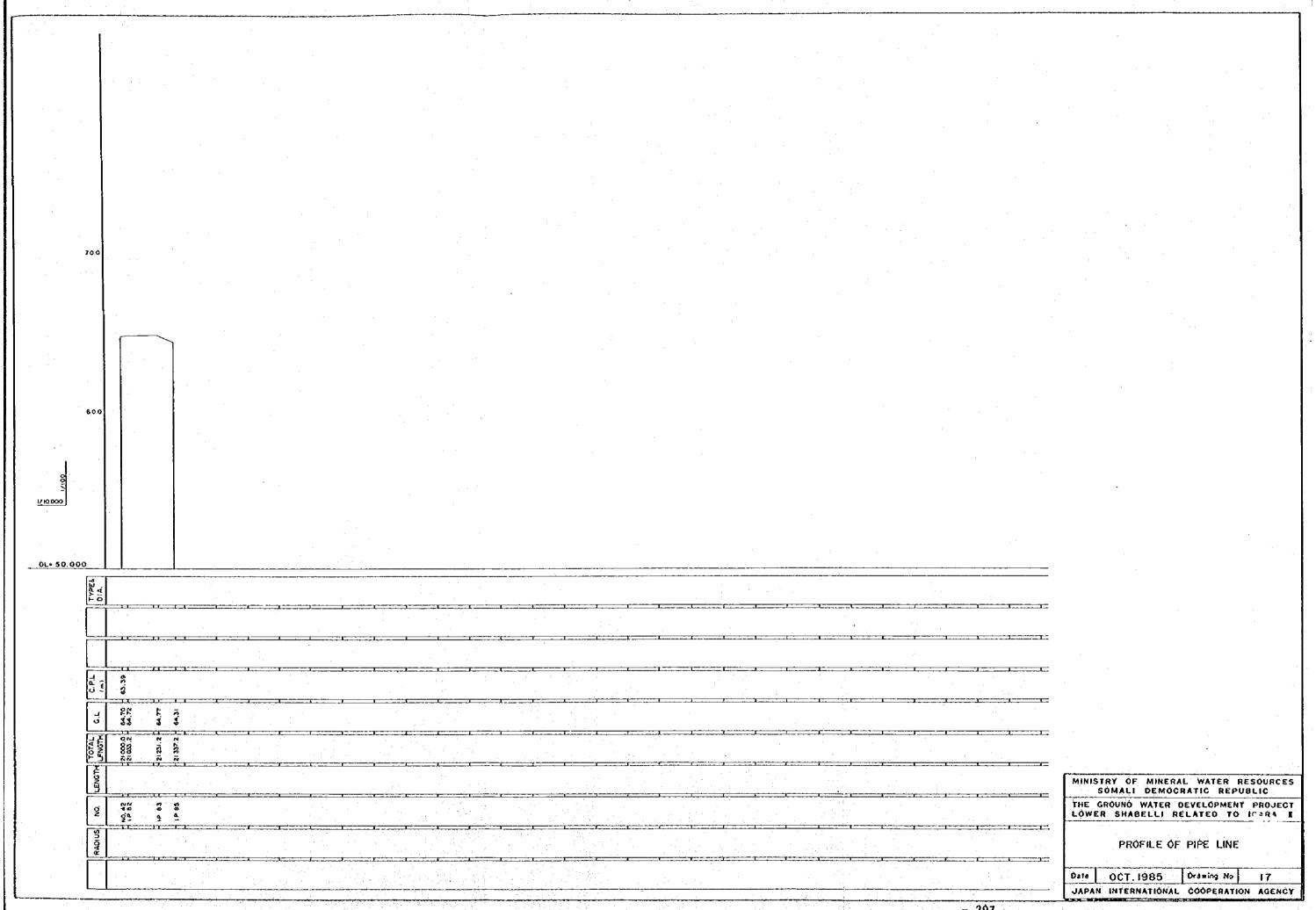
JAPAN INTERNATIONAL COOPERATION AGENCY



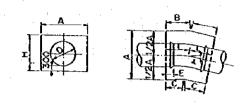




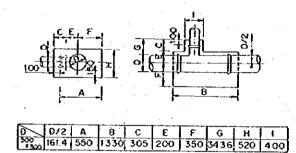


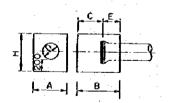


#### THRUST BLOCK & TYPICAL CROSS SECTION OF PIPE LAYING

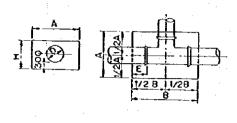


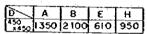
0/	Α	8	С	E	н	L	7
450	900	850	750	250	850	800	11 1/2
450	1350	880	620	300	950	750	22°V2



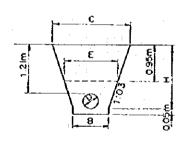


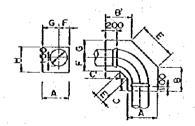
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	0	Δ	8	Ċ	Ε	н
	75	300	400	200	200	450
	100	350	450	250	200	500
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					250	
	300	550	650	400	250	700
	350	650	750	400	350	750
1	400	700		500		800
į	450	750	850	500	400	850





TYPICAL CROSS SECTION OF PIPE LAYING





	<b>D</b>	A	В	8'	С	C'	ε	Ε'	F	G	Н
	200	450	513	569	326	383	538	166	200	250	410
•	300	650	624	718	355	449	746	207	300	350	520

MINISTRY OF MINERAL WATER RESOURCES SOMALI DEMOCRATIC REPUBLIC

THE GROUND WATER DEVELOPMENT PROJECT LOWER SHABELLI RELATED TO ICAR. 1

THRUST BLOCK & TYPICAL CROSS SECTION OF PIPE LAYING

DATE OCT. 1985 Drawing No. 18

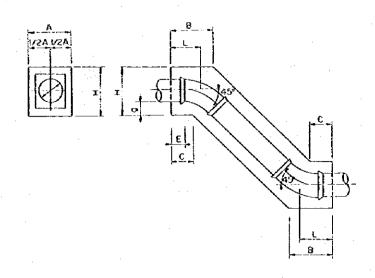
JAPAN INTERNATIONAL COOPERATION AGENCY

### THRUST BLOCK & VALVE BOX

2 32	- 1						
0	Α	8	Ć	€	9	н	L
200	430	644	466	200	150	410	500
300	620	718	461	500	150	520	éço
450	1000	1220	780	530	300	1050	1000

#### THRUST BLOCK

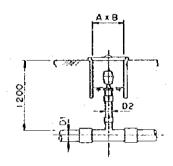
PIPE			TEE	PIPE				
DIA	90°	45°	2201/2	11014	5°3/8	166	END	
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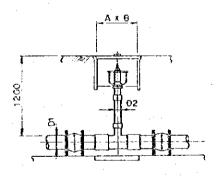


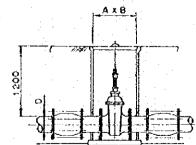
SCH	EDUL	E OF VALV	E BOXIAIR)
01	02	Α	8
200	75	500	500.
300	75	500	5.00

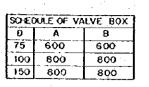
			BOX(AIR)
01	02	Δ	В
450	75	700	500

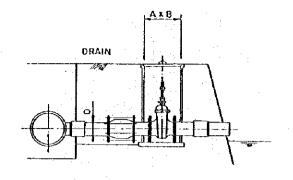
SCHEDULE OF VALVE BOX					
O	Α	8			
200	800	800			
300	900	900			
450	1000	1000			

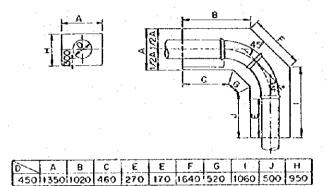


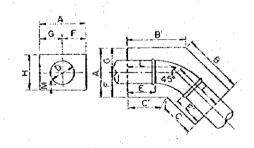












D A	8/8	C/C	E/E'	F	G	н	i.	M	ĺ
200.430	588 /E44	4:0	202100	200	230	410	-	150	
300:620	675	418 7461	200,60	300	320	520		150	
45011350	1030	470	280	675	675	950	750	300	

MINISTRY OF MINERAL WATER RESOURCES SOMALI DEMOCRATIC REPUBLIC

THE GROUND WATER DEVELOPMENT PROJECT LOWER SHABELLI RELATED TO ICARA #

THRUST BLOCK & VALVE BOX

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