

No.

**RADP/ATA-140 PROJECT  
SOUTH SULAWESI, INDONESIA**

**DETAILED DRAWING  
FOR  
CONSTRUCTION OF  
THREE PILOT TEST FARMS**

OCTOBER, 1979

JAPAN INTERNATIONAL COOPERATION AGENCY

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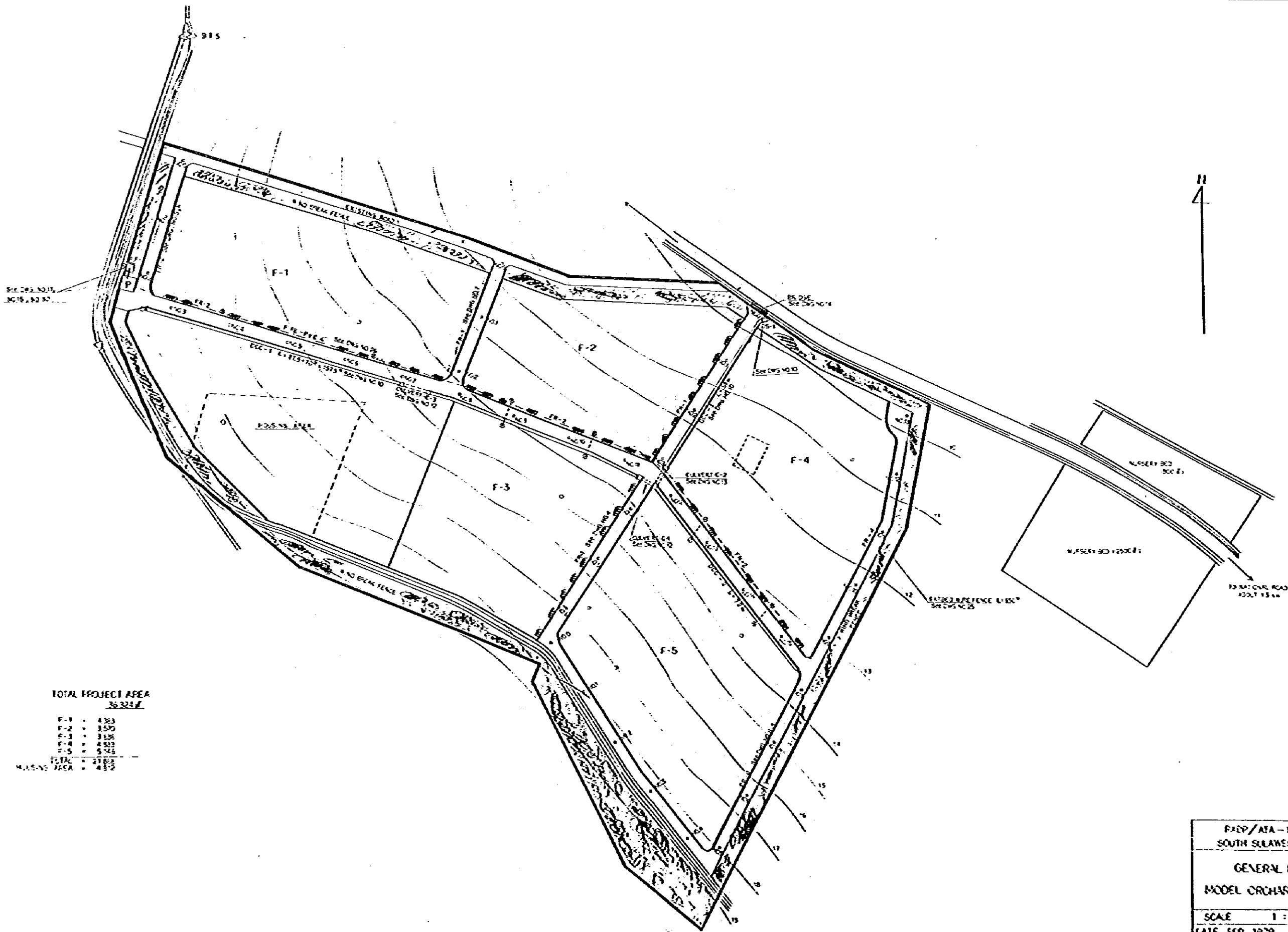
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TOTAL PROJECT AREA  
36,324

F-1	4,363
F-2	3,570
F-3	3,126
F-4	4,923
F-5	5,342
TOTAL	21,324
MASSING AREA	4,800

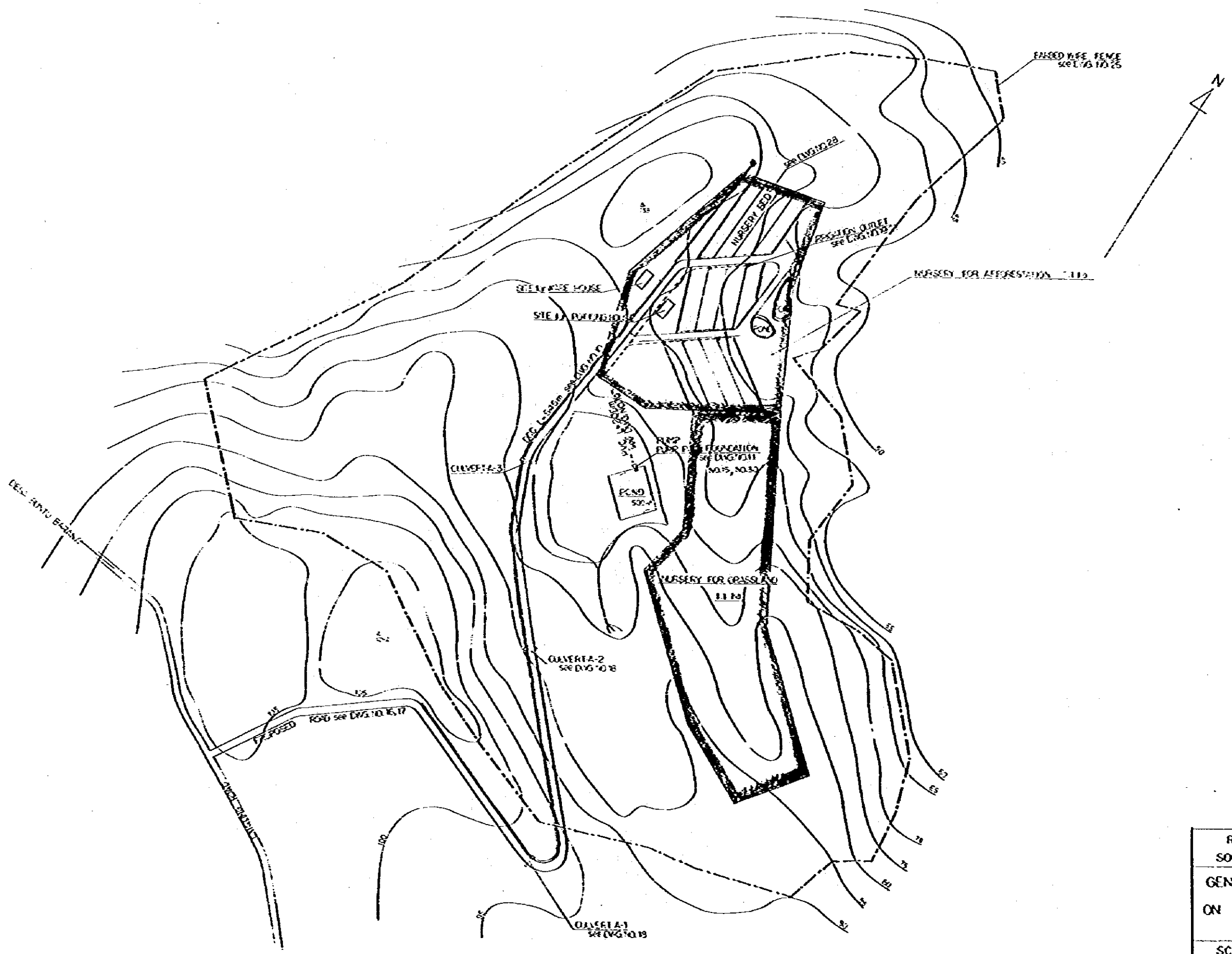
FADP/ATA-190 PROJECT  
SOUTH SULAWESI, INDONESIA

GENERAL PLAN OF  
MODEL ORCHARD IN JENEPONTO

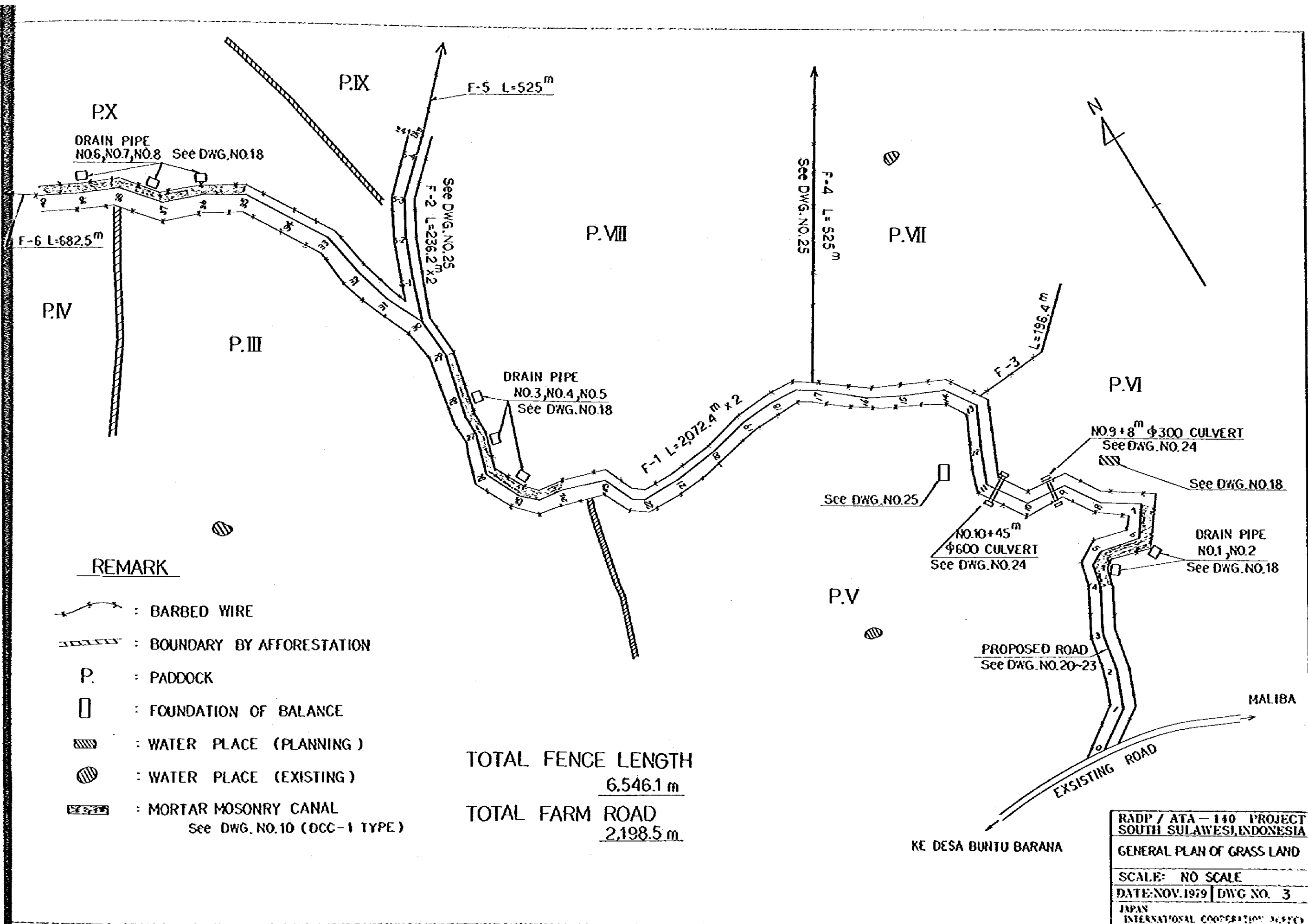
SCALE 1 : 500

LATE SEP. 1979 DAG NO

JFA/INTERNATIONAL COOPERATION AGENCY

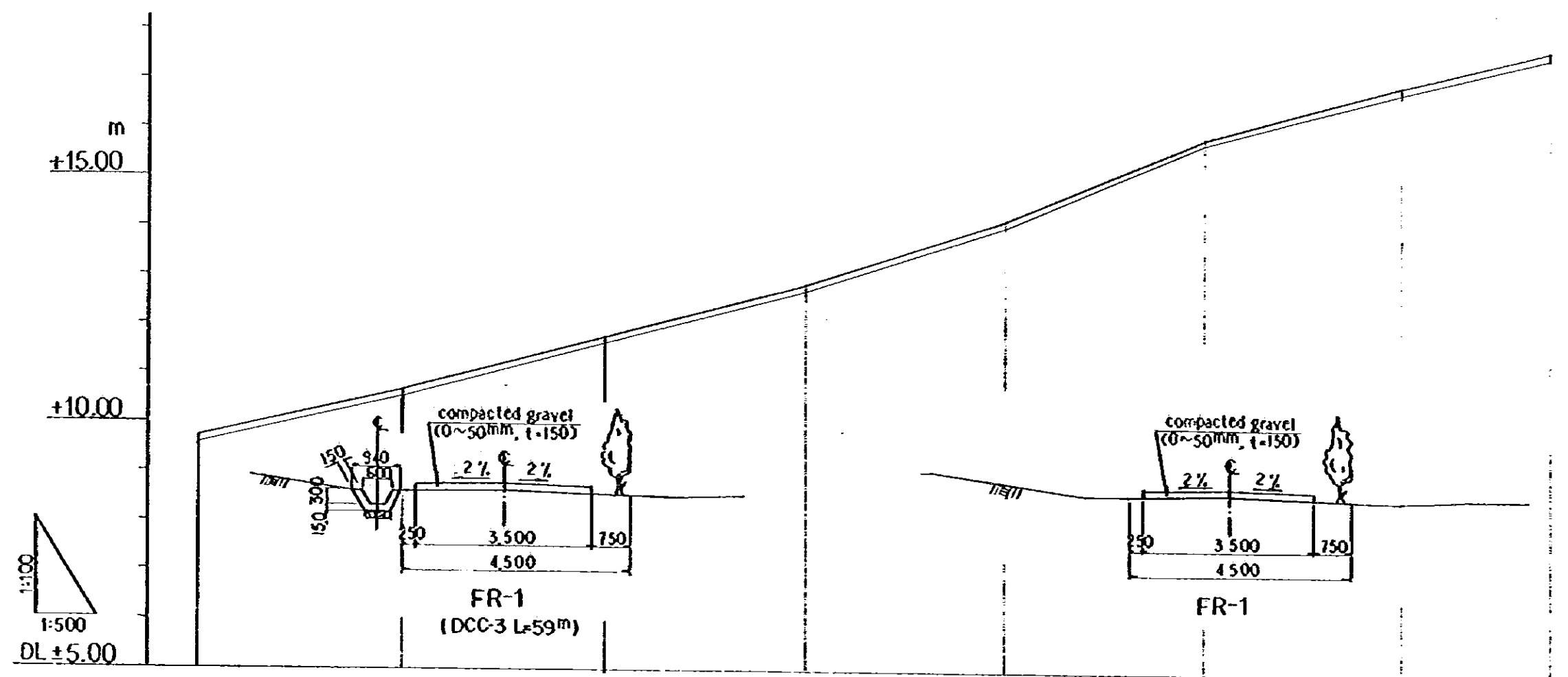


RADP/ATA-140 PROJECT	
SOUTH SULAWESI, INDONESIA	
GENERAL PLAN OF PILOT TEST	
ON AFFORESTATION, ENREKANG	
SCALE: 1:1000	
DATE SEP. 1979	DWG. NO. 2
JAPAN INTERNATIONAL COOPERATION AGENCY	



RADP / ATA - 140 PROJECT	
SOUTH SULAWESI, INDONESIA	
GENERAL PLAN OF GRASS LAND	
SCALE: NO SCALE	
DATE: NOV. 1979	DWG. NO. 3
JAPAN INTERNATIONAL COOPERATION AGENCY	

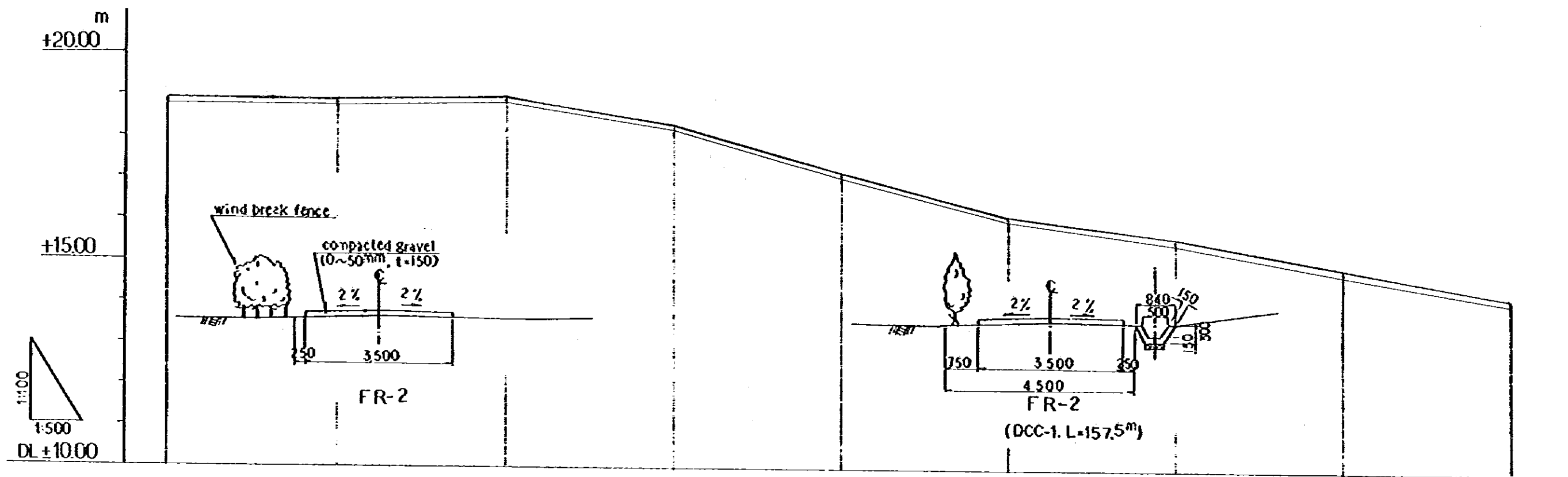
RADF / ATA -- 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FR-1 (JENEPONTO)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG. NO. 4  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY



1:100  
 1:500  
 DL ± 5.00

NO	DIST- ANCE	ACCUM- DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
NO.0	0.00	0.00	5.58	9.73	(9.73)
	20.00	20.00	10.55	10.70	$i = 4.85\%$ $L = 20.00$
NO.1	20.00	40.00	11.70	11.85	(10.70)
	20.00	60.00	12.91	12.96	$i = 5.55\%$ $L = 40.00$
NO.2	20.00	80.00	14.16	14.31	(12.96)
	20.00	100.00	15.90	16.05	$i = 6.75\%$ $L = 20.00$
NO.3	20.00	120.00	17.00	17.15	(14.31)
	20.00	140.00	17.74	17.89	$i = 8.10\%$ $L = 20.00$
NO.4	15.00	155.00	17.74	17.89	(16.05)
NO.5	±15.00				$i = 5.26\%$ $L = 35.00$
NO.6					(17.89)

RADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FR-2-1 (JENEPONTO)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG. NO. 5  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

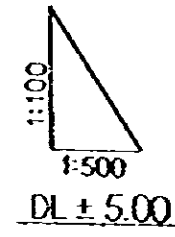
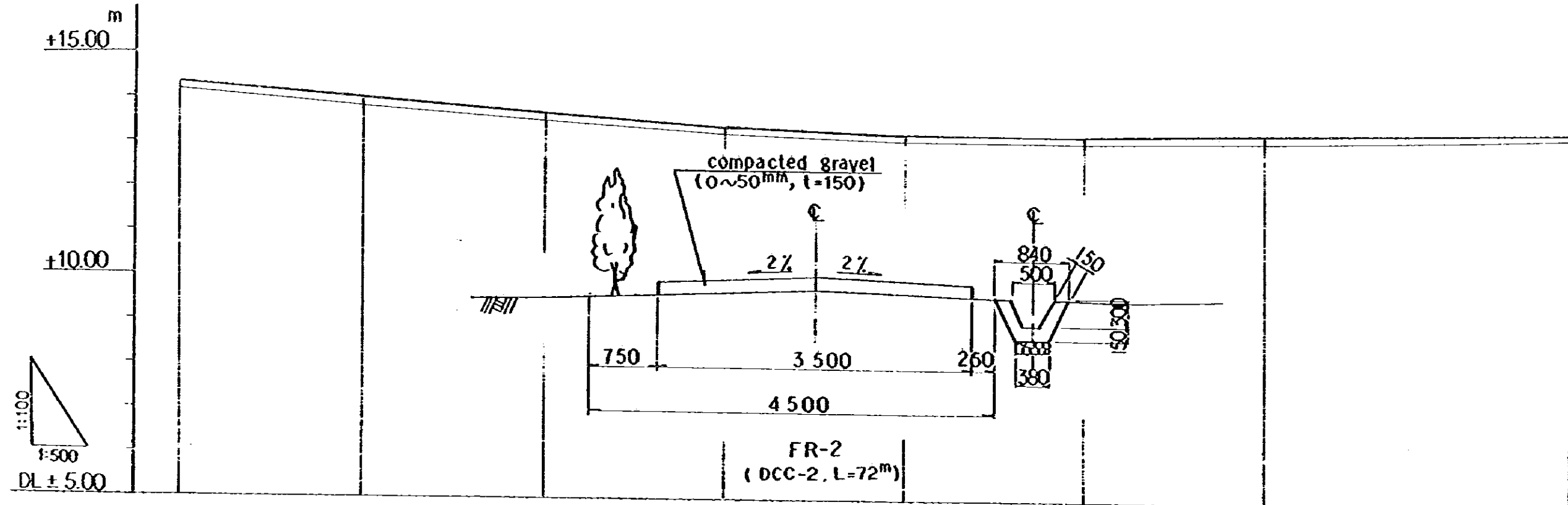


1:100  
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 DL ± 10.00

NO	DIST- ANCE	ACCUM. DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
NO.0	0.00	0.00	18.76	18.91	(18.91)
NO.1	20.00	20.00	18.79	18.94	$i = 0.38\%$ $L = 40.00$
NO.2	20.00	40.00	18.91	19.06	(19.06)
NO.3	20.00	60.00	18.32	18.47	$i = 2.95\%$ $L = 20.00$
NO.4	20.00	80.00	17.17	17.32	(18.47)
NO.5	20.00	100.00	16.10	16.25	$i = 5.55\%$ $L = 40.00$
NO.6	20.00	120.00	15.54	15.69	(16.25)
NO.7	20.00	140.00	14.82	14.97	$i = 2.80\%$ $L = 20.00$
NO.8	20.00	160.00	14.16	14.31	(14.31)
					$i = 3.45\%$ $L = 40.00$

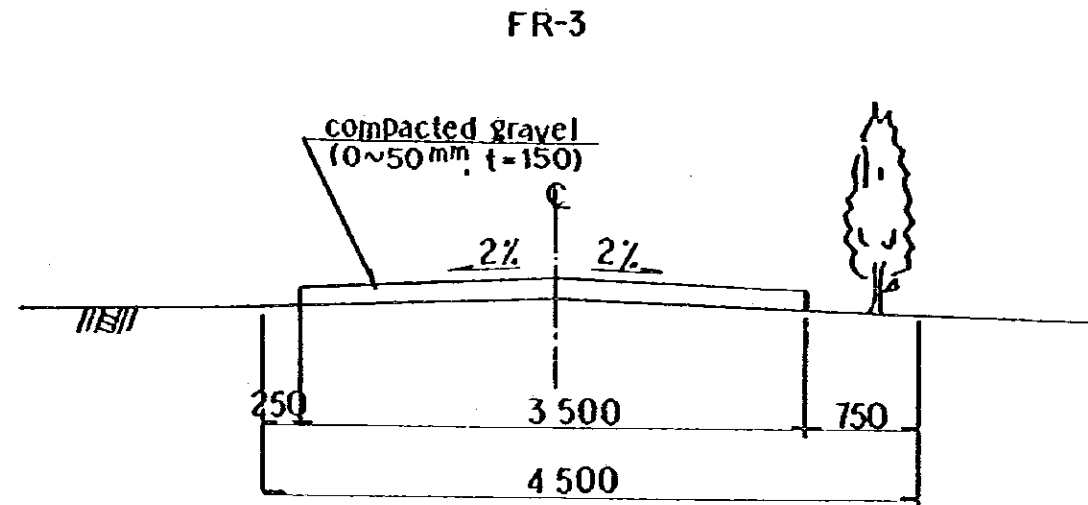
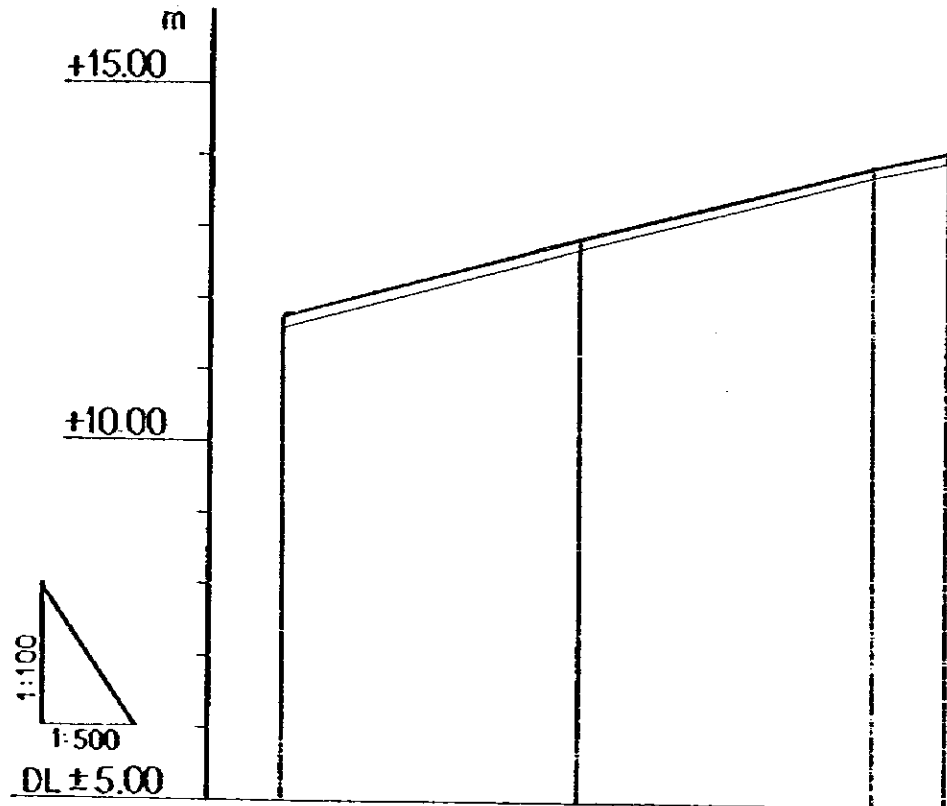


RADP / ATA - 130 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FR-2-2 (JENEPONTO)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG. NO. 6  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY



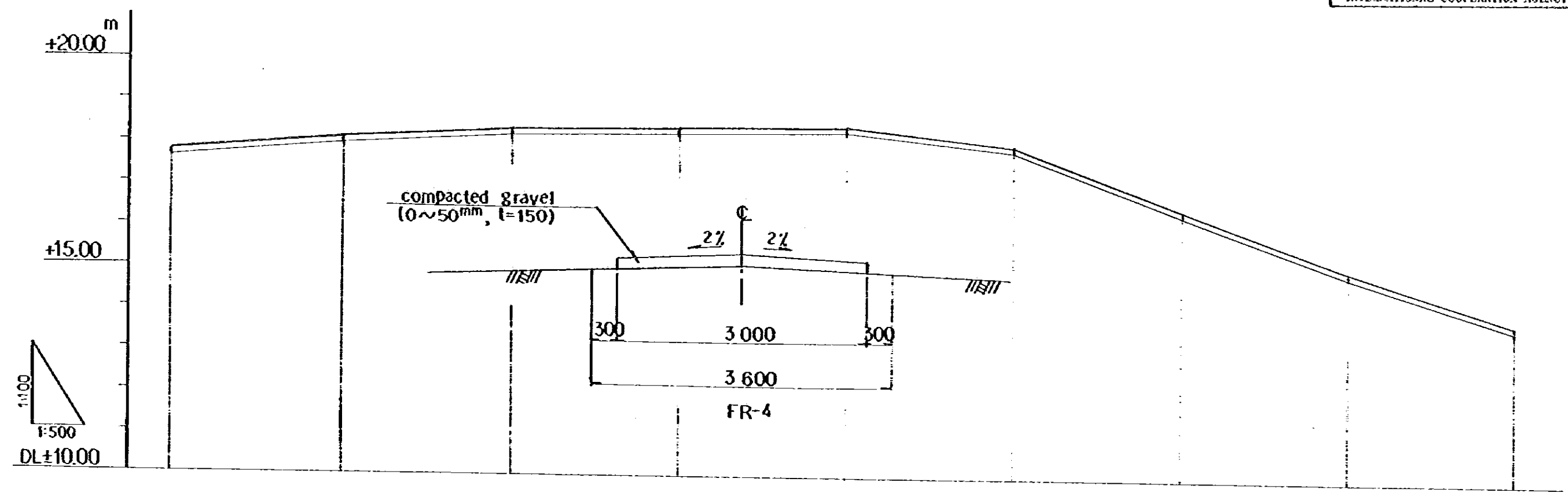
NO	DIST- ANCE	ACCUM. DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
NO.8	20.00	160.00	14.16	14.31	(14.31)
NO.9	20.00	180.00	13.85	14.00	
NO.10	20.00	200.00	13.60	13.75	$i=1.2\%$ $L=80.00$
NO.11	20.00	220.00	13.36	13.51	
NO.12	20.00	240.00	13.20	13.35	(13.35)
NO.13	20.00	260.00	13.17	13.32	
NO.14	20.00	280.00	13.24	13.39	$i=0.35\%$ $L=74.00$
NO.15	20.00	300.00	13.35	13.50	
NO.15 +14.00	14.00	314.00	13.46	13.61	(13.61)

R3DP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FR-3 (JENEPONTO)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG. NO. 7  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY



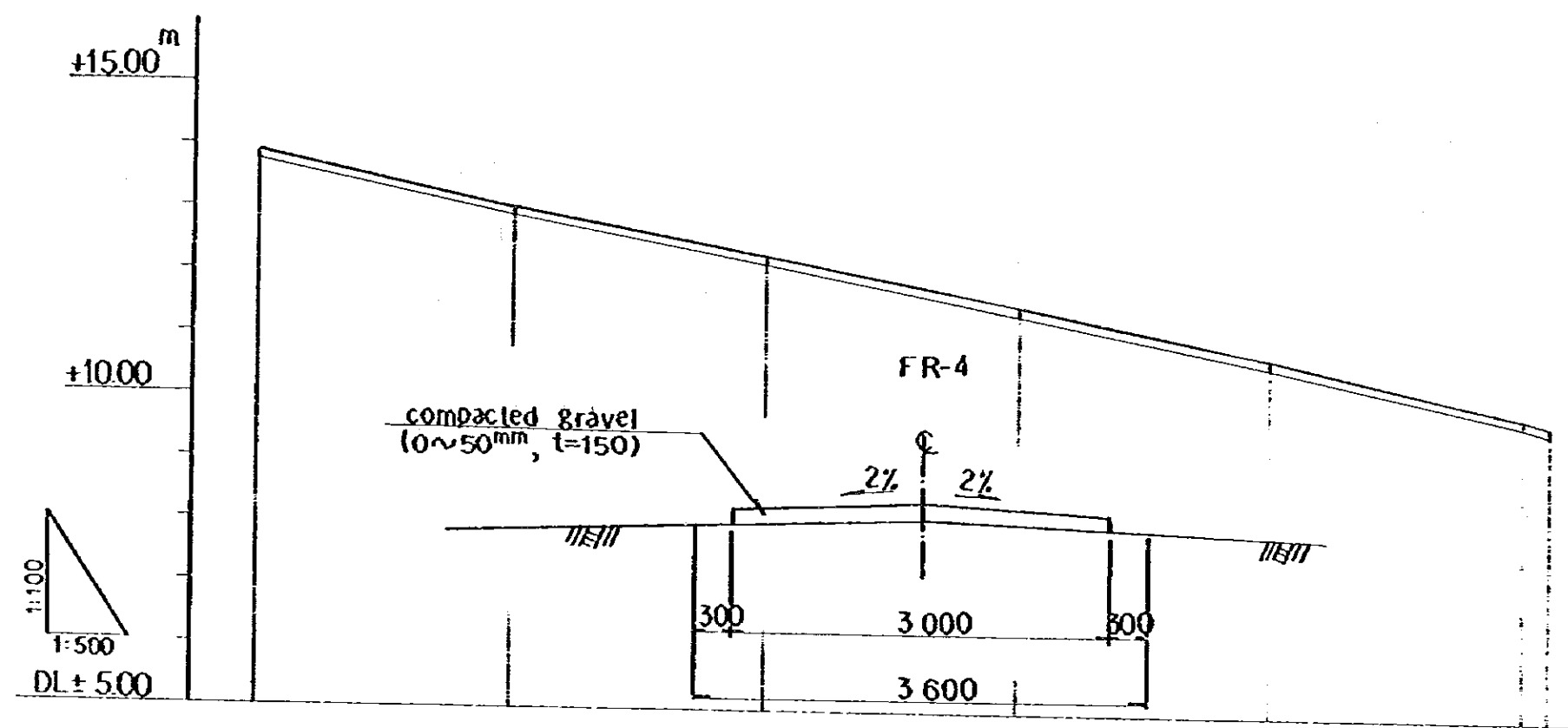
NO	DIST- ANCE	ACCUM DIST- ANCE	PRES- ENT HEIGHT	PLAN- ED HEIGHT	GRAD- IENT
NO.0	0.00	0.00	11.58	11.73	$i = 5.56\%$ $L = 45.00$
NO.1	20.00	20.00	12.74	12.89	
NO.2	20.00	40.00	13.24	13.99	$i = 5.56\%$ $L = 45.00$
NO.2 +5.00	5.00	45.00	14.02	14.23	

RADP / ATA -- 140 PROJECT  
 SOI/II SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FR-4-1 (JENEPONTO)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG NO. 8  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY



NO	DIST- ANCE	ACCUM- DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
NO.0	0.00	0.00	17.59	17.74	(17.74)
NO.1	20.00	20.00	18.00	18.15	
NO.2	20.00	40.00	18.27	18.42	$i = 1.0\%$ $L = 80.00$
NO.3	20.00	60.00	18.34	18.49	
NO.4	20.00	80.00	18.39	18.54	(18.54)
NO.5	20.00	100.00	17.97	18.12	$i = 2.1\%$ $L = 20.00$
NO.6	20.00	120.00	16.46	16.61	(18.12)
NO.7	20.00	140.00	15.00	15.15	$i = 7.0\%$ $L = 60.00$
NO.8	20.00	160.00	13.75	13.90	(13.90)

RADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FR-4-2 (JENEPONTO)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG NO. 9  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

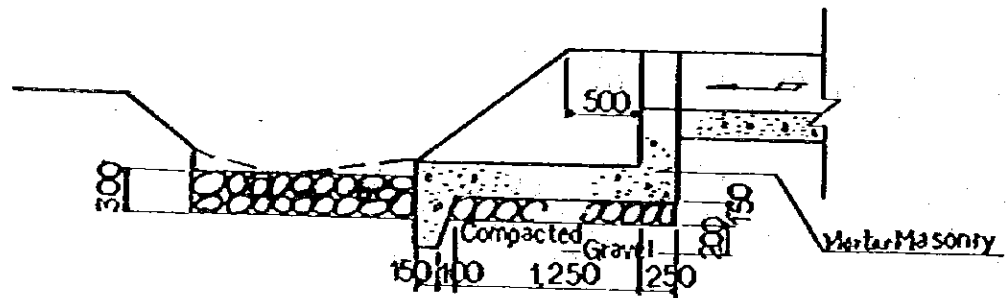
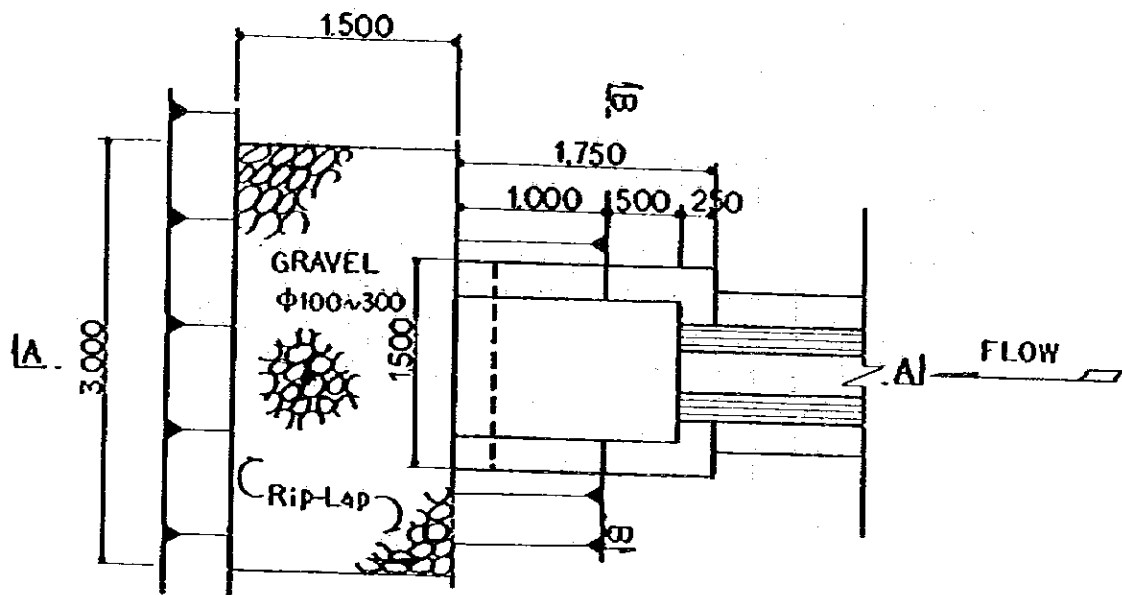


NO	DIST- ANCE	ACCUM- DIST- ANCE	PRES- ENT HEIGHT	PLAN- ED HEIGHT	GRAD- IENT
NO. 8	20.00	160.00	13.75	13.90	13.90
NO. 9	20.00	180.00	12.94	13.09	
NO. 10	20.00	200.00	12.25	12.38	
NO. 11	20.00	220.00	11.47	11.62	
NO. 12	20.00	240.00	10.67	10.82	
NO. 13	20.00	260.00	9.77	9.92	
NO. 13 + 200	2.00	262.00	9.68	9.83	9.83

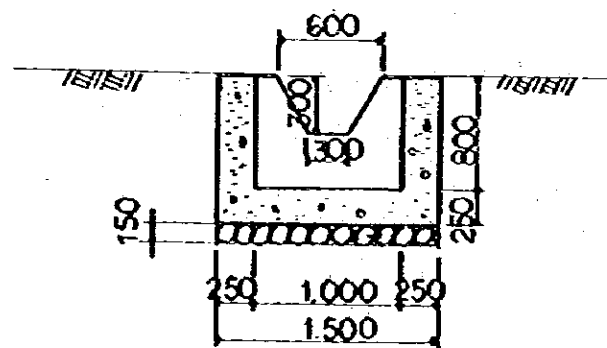
$i = 3.99\%$   
 $L = 102.00$

# DROP STRUCTURE

PLAN s=1:50



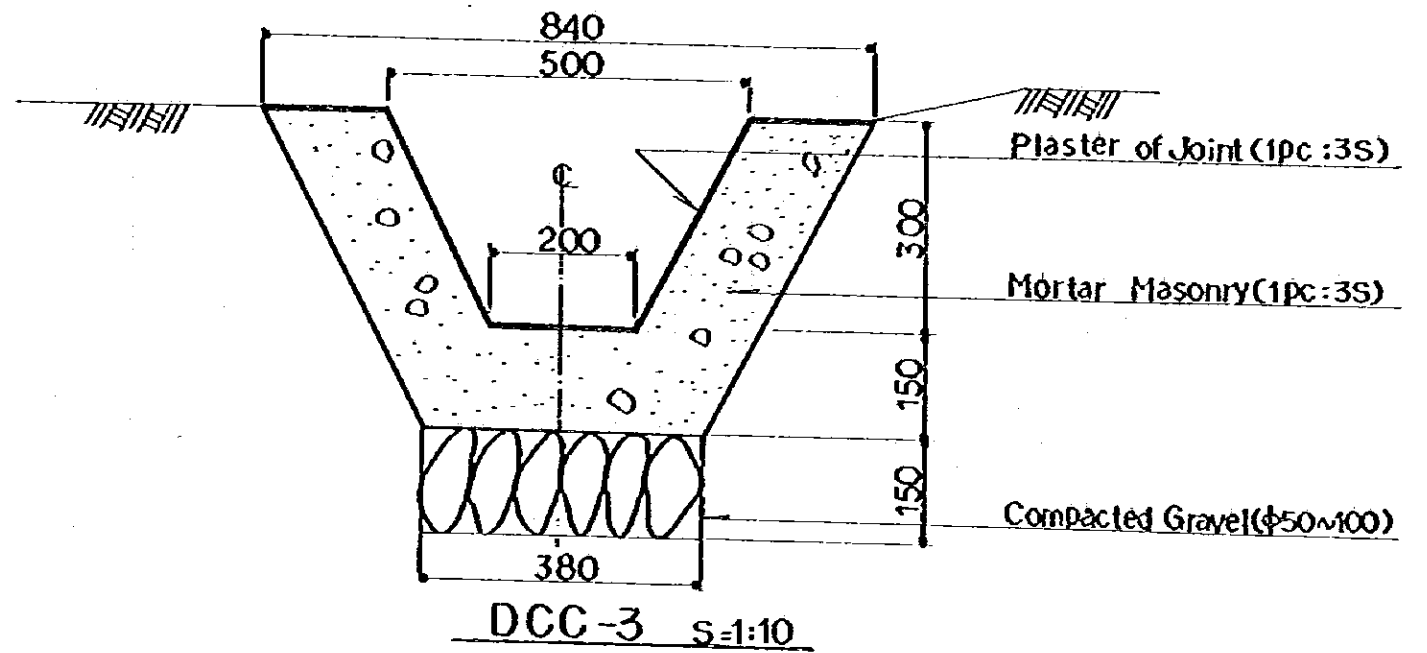
SECTION A-A s=1:50



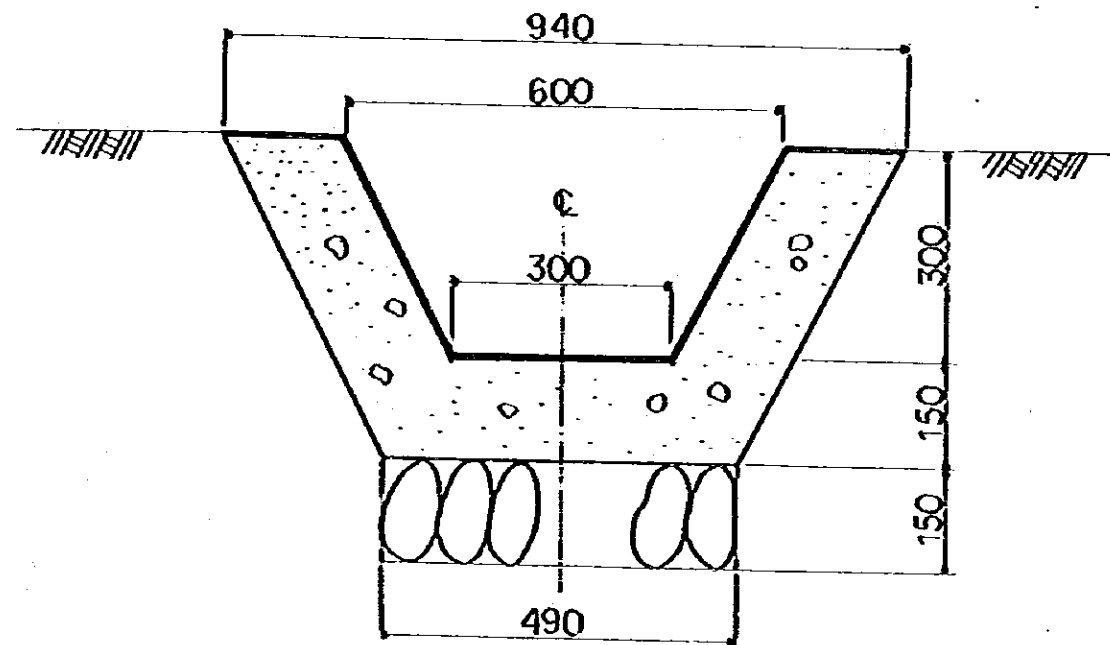
SECTION B-B s=1:50

# DRAINAGE CANAL

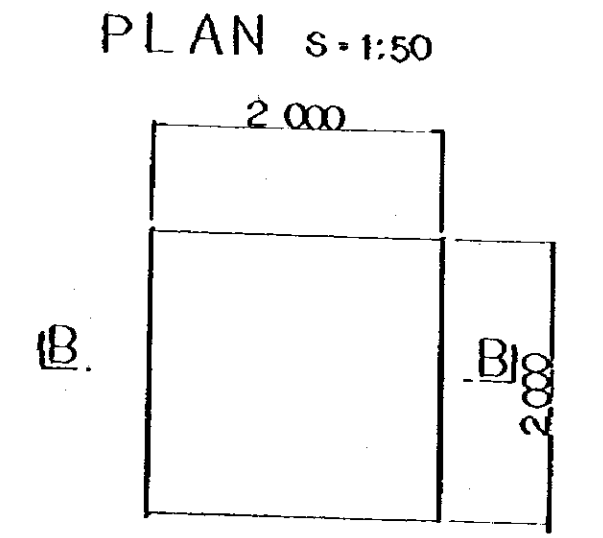
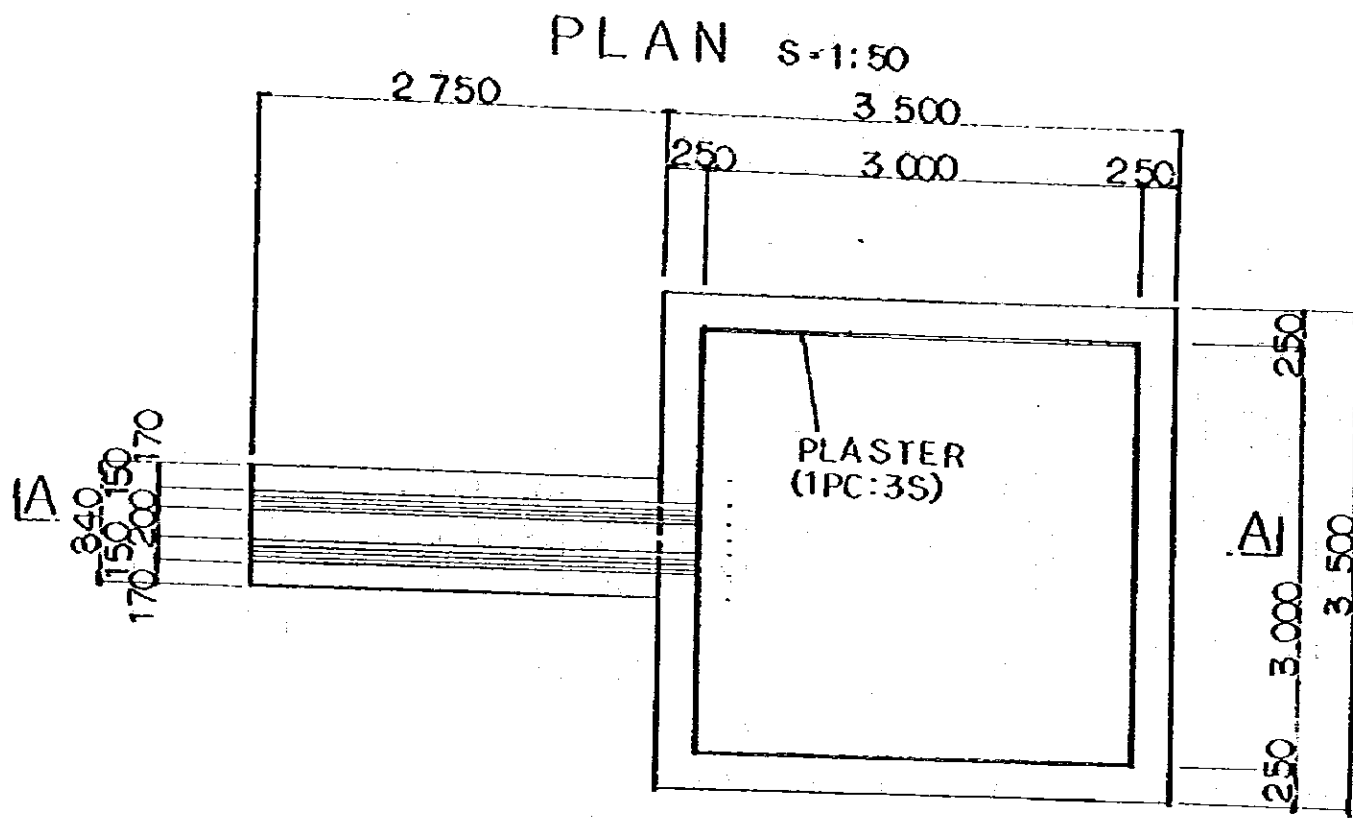
DCC-1,2 s=1:10



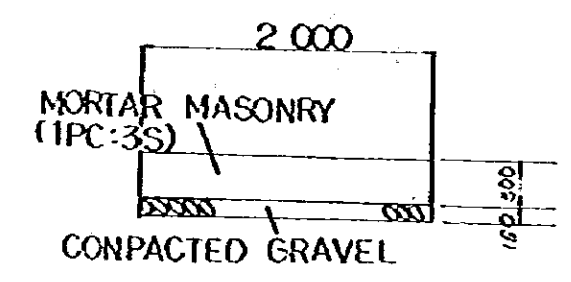
DCC-3 s=1:10



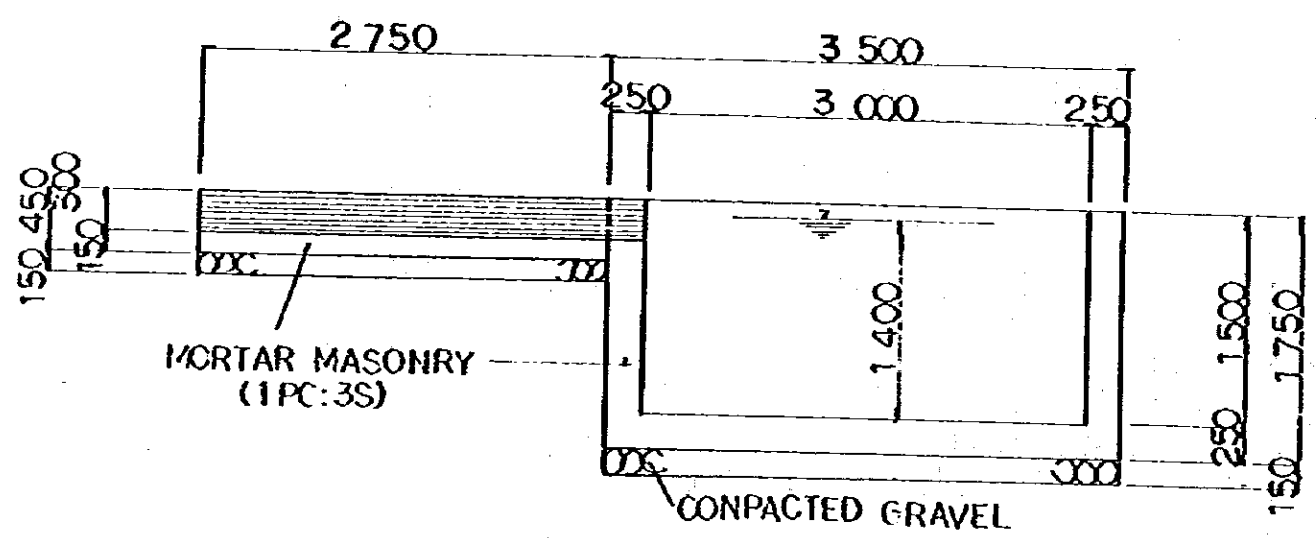
RADP / ATA -- 140 PROJECT  
 SOUTH SULAWESI INDONESIA  
 MORTAR MASONRY DRAIN CANAL  
 DROP STRUCTURE  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG. NO. 10  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY



SECTION B - B s-1:50

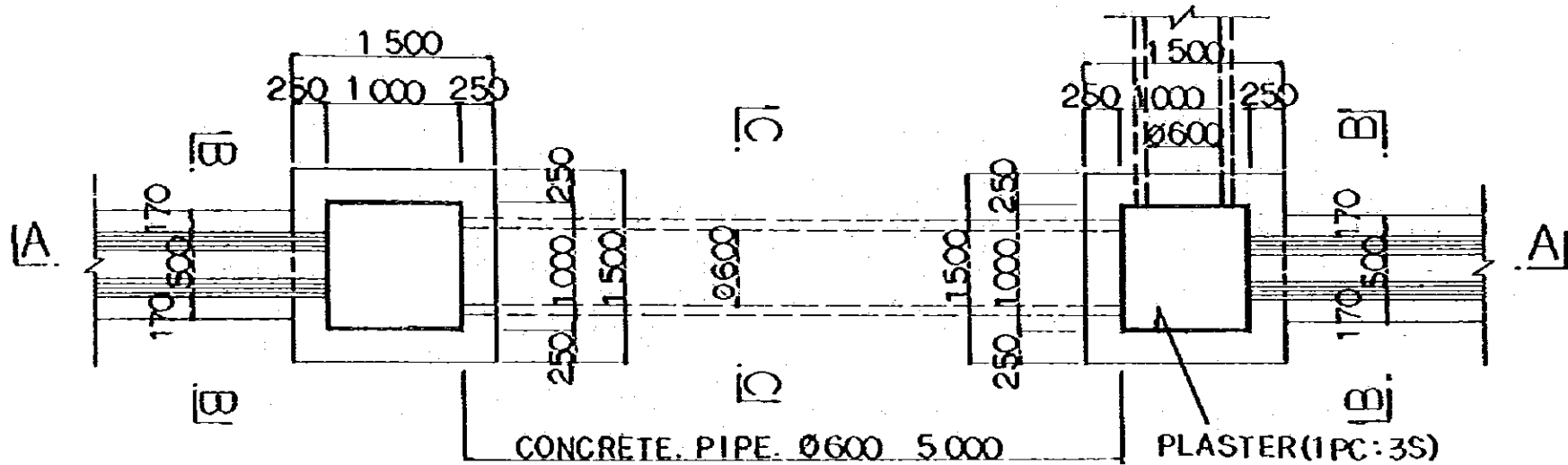


SECTION A - A s-1:50

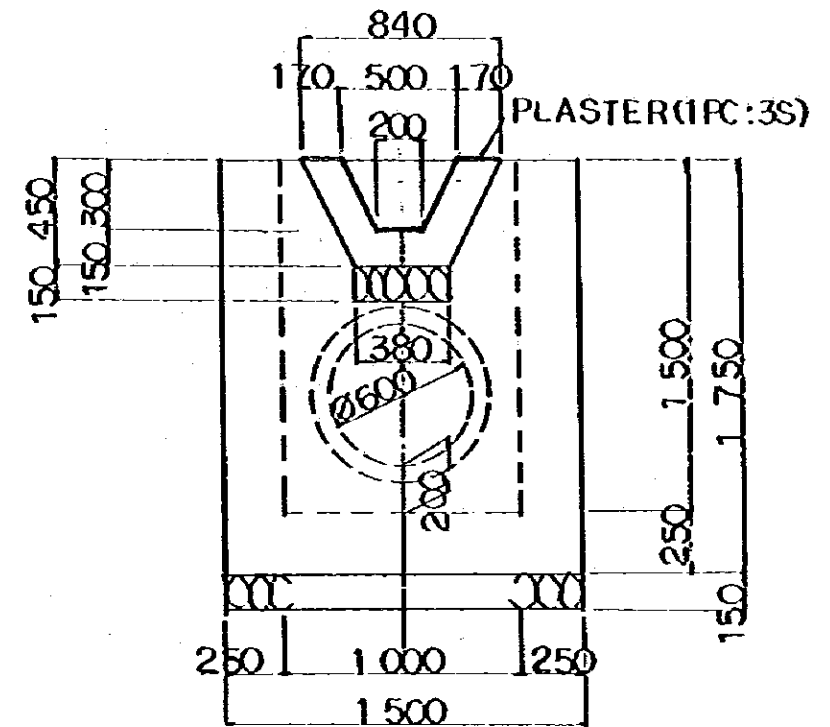


RADP / ATA - 140 PROJECT	
SOUTH SULAWESI INDONESIA	
PUMP FOUNDATION	
PUMP PIT IN JENEPONTO	
SCALE: 1:50	
DATE: NOV. 1979	DWG NO. 11
JAPAN INTERNATIONAL COOPERATION AGENCY	

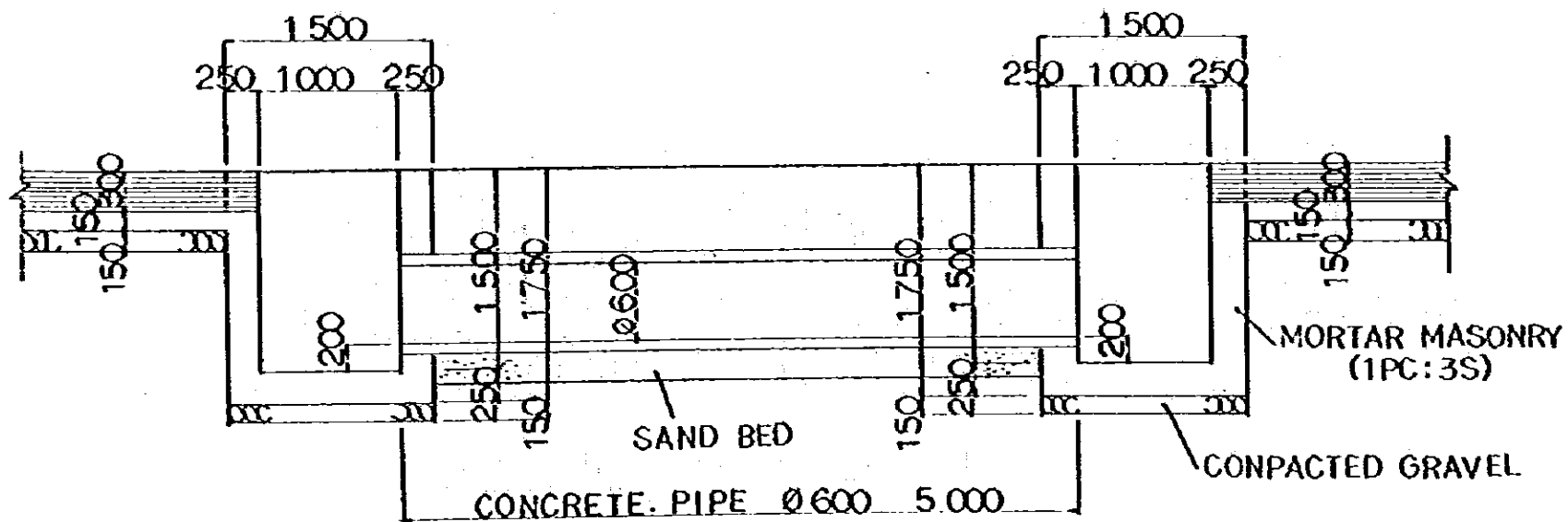
PLAN S=1:50



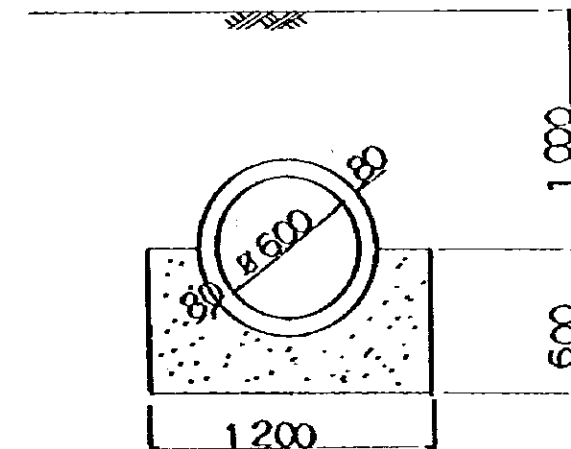
SECTION B-B S=1:30



SECTION A-A S=1:50

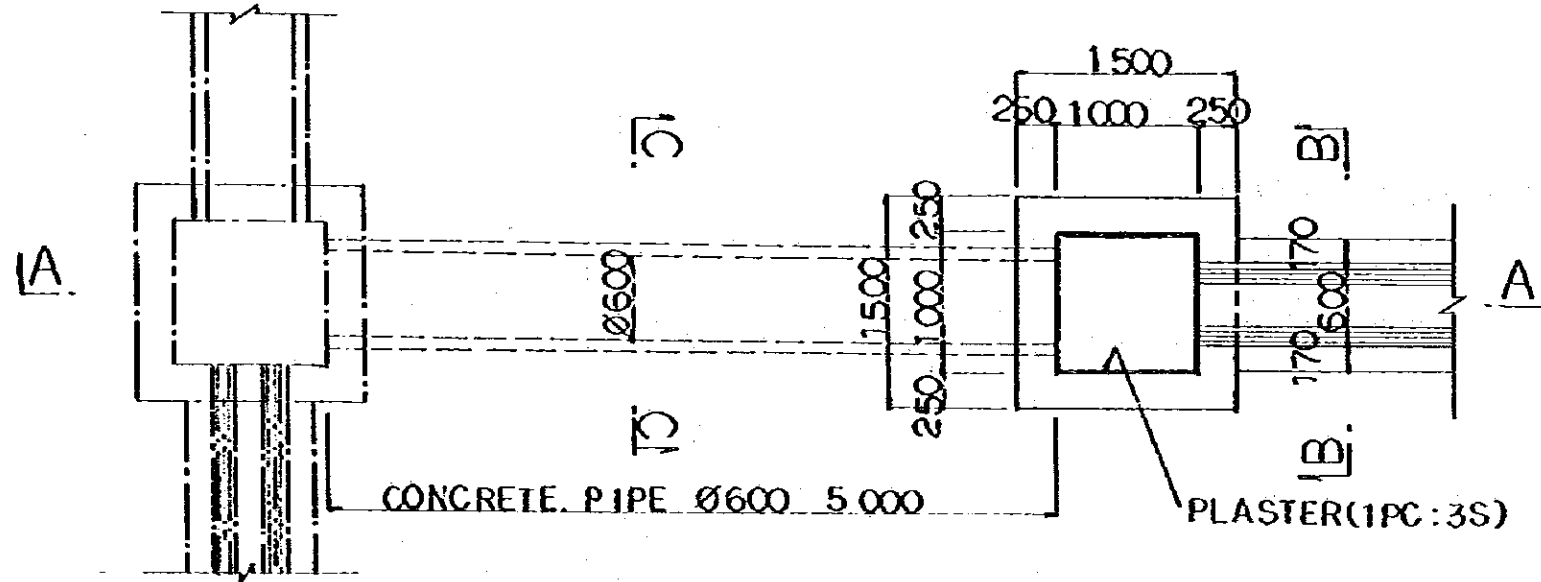


SECTION C-C S=1:30  
SAND BED 180

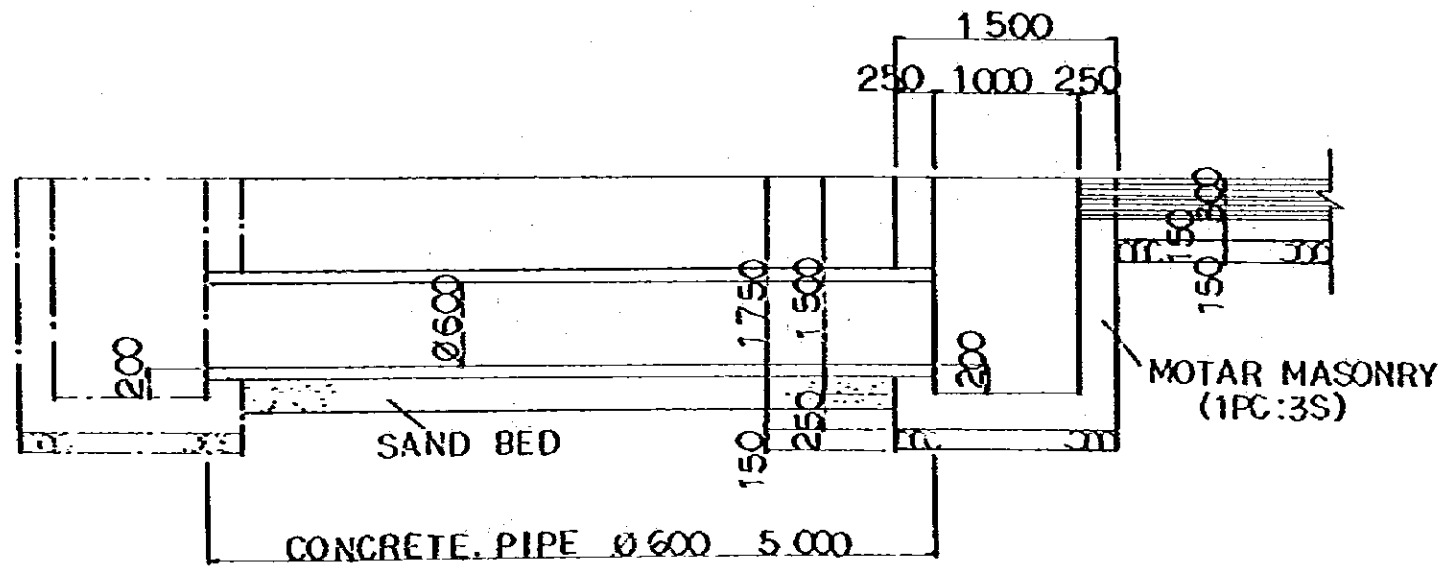


RADP / ATA - 110 PROJECT	
SOUTH SULAWESI, INDONESIA	
ROAD CROSSING CULVERT	
C-1, C-3 (JENEPONTO)	
SCALE: AS SHOWN	
DATE: NOV. 1979	DWG. NO. 12
JAPAN INTERNATIONAL COOPERATION AGENCY	

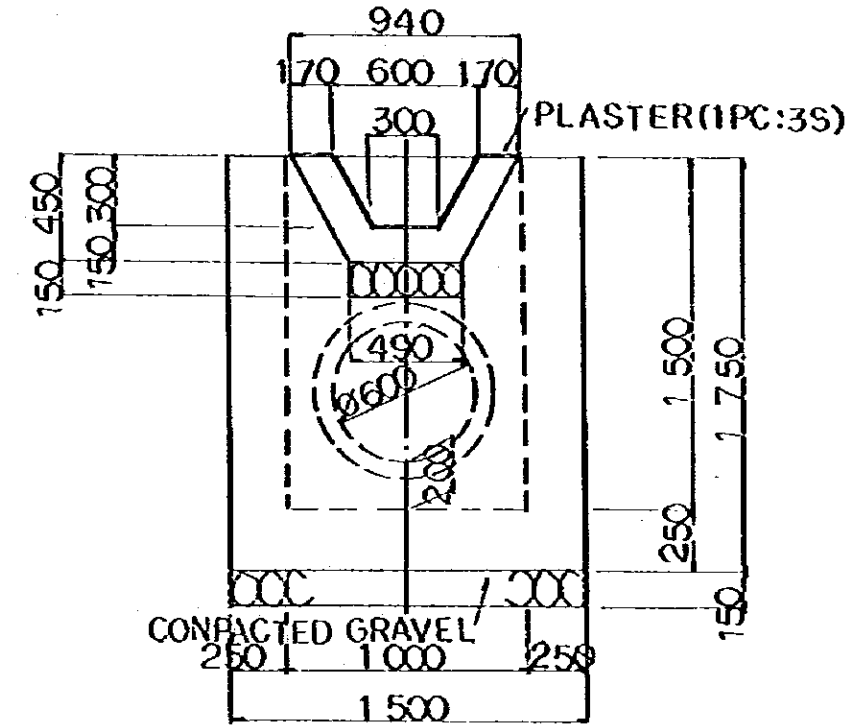
PLAN S = 1:50



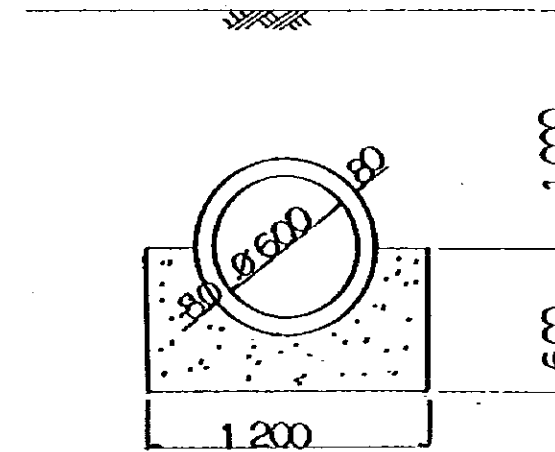
SECTION A-A S = 1:50



SECTION B-B S = 1:30



SECTION C-C S = 1:30  
SAND BED 180'



RADP / ATA - 140 PROJECT	
SOUTH SULAWESI, INDONESIA	
ROAD CROSSING CULVERT C-2	
(JENEPONTO)	
SCALE: AS SHOWN	
DATE: NOV. 1979	DWG NO. 13
JAPAN INTERNATIONAL COOPERATION AGENCY	





MODEL-1 ENREKANG

DIRECT COUPLED SVO TYPE VOLUTE PUMP

PUMP SPECIFICATION			ENGINE SPECIFICATION	
Type	SVO		Output (horse power)	more than 6 HP
Discharge opening diameter	50	mm	Number of cylinder	1
Suction opening diameter	50	mm	Displacement	401 CC
Total head	24	m	Revolutions per minute	2200 rpm
Capacity	0.1	m <sup>3</sup> /min	Fuel	Light diesel oil
Note : This engine type is equivalent to ER-600 (Diesel) by KUBOTA.				

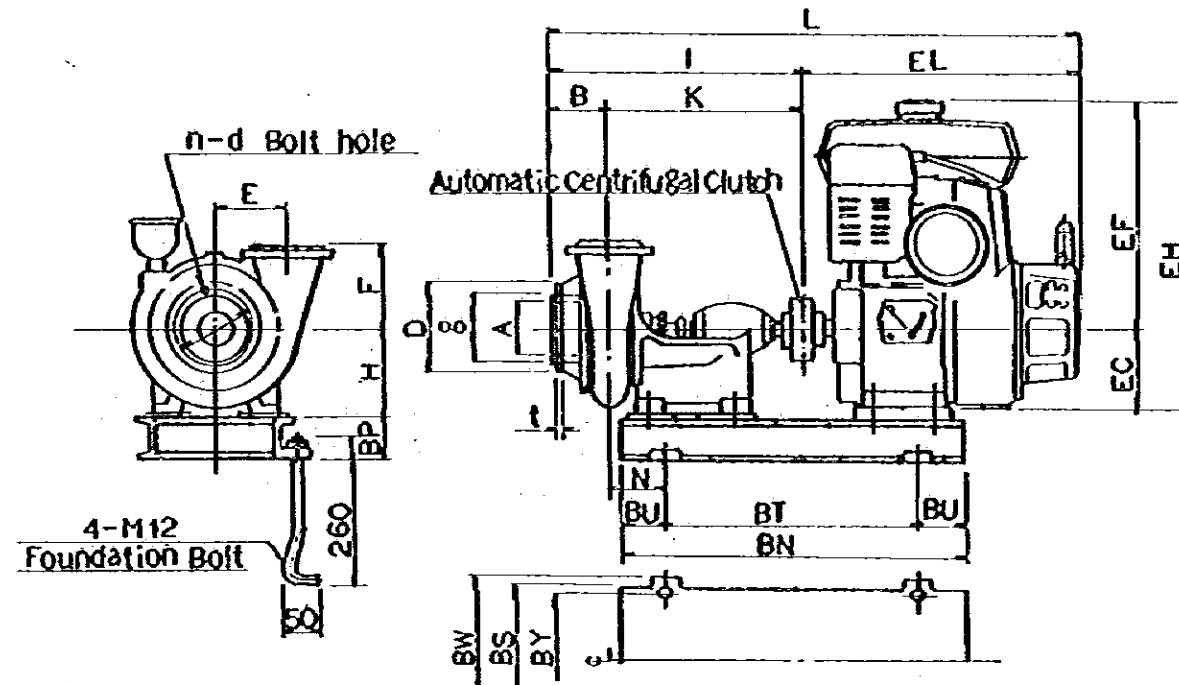
sign	pump						engine					L	N	BP
	B	K	I	E	F	H	EC	EF	EH	EL				
dimension (mm)	97	295	392	133	185	190	150	325	475	725	1145			
sign	bed						flange							
	BN	BU	BT	BW	BS	BY	A	D	C	g	t	n	d	
dimension (mm)	1018	200	618	250	220	210	50	155		100		18		

MODEL-2 JENEPONTO

PUMP SPECIFICATION			ENGINE SPECIFICATION	
Type	SVO		Output (horse power)	more than 11 HP
Discharge opening diameter	80	mm	Number of cylinder	2
Suction opening diameter	80	mm	Displacement	802 CC
Total head	30	m	Revolutions per minute	2200 rpm
Capacity	0.6	m <sup>3</sup> /min	Fuel	Light diesel oil
Note : This engine type is equivalent to ZB-14N (Diesel) by KUBOTA.				

sign	pump						engine					L	N	BP
	B	K	I	E	F	H	EC	EF	EH	EL				
dimension (mm)	115	315	430	162	205	210	155	320	475	562.5	992.5			
sign	bed						flange							
	BN	BU	BT	BW	BS	BY	A	D	C	g	t	n	d	
dimension (mm)	1115	200	715	300	270	250	78	185		130	18			

Dimensional Drawing



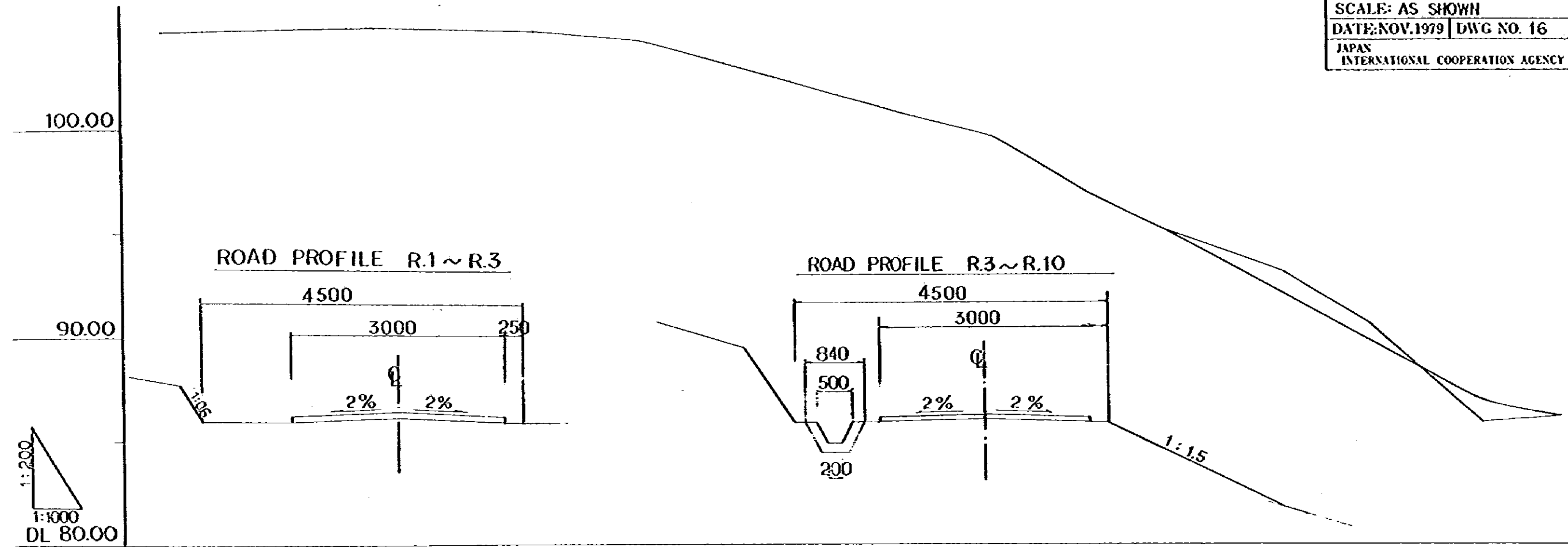
Note

Use the following parts at the Suction and Discharge opening.

- |                   |  |
|-------------------|--|
| Suction opening   | 1. Straight pipe with flanged ends. (Bore: 80 <sup>mm</sup> , Length: 1400 <sup>mm</sup> )       |
|                   | 2. Bend pipe with flanged ends. (90°, Bore: 80 <sup>mm</sup> , Length: 120 × 120 <sup>mm</sup> ) |
|                   | 3. Straight pipe with flanged ends. (Bore: 80 <sup>mm</sup> , Length: 1380 <sup>mm</sup> )       |
| Discharge opening | 4. Straight pipe with flanged ends. (Bore: 80 <sup>mm</sup> , Length: 1280 <sup>mm</sup> )       |
|                   | 5. Bend pipe with flanged ends. (90°, Bore: 80 <sup>mm</sup> , Length: 120 × 120 <sup>mm</sup> ) |
|                   | 6. Straight pipe with flanged ends. (Bore: 80 <sup>mm</sup> , Length: 500 <sup>mm</sup> )        |
|                   | 7. Tapered pipe with flanged ends. (Bore: 80 × 100 <sup>mm</sup> )                               |

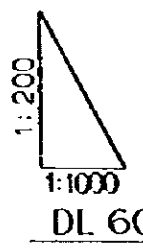
RADP / ATA - 110 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PUMP AND ACCESSORIES  
 (JENEPONTO AND ENREKANG)  
 SCALE: NO SCALE  
 DATE: NOV. 1979 | DWG NO. 15  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

KADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 (AFFORESTATION)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG NO. 16  
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 INTERNATIONAL COOPERATION AGENCY

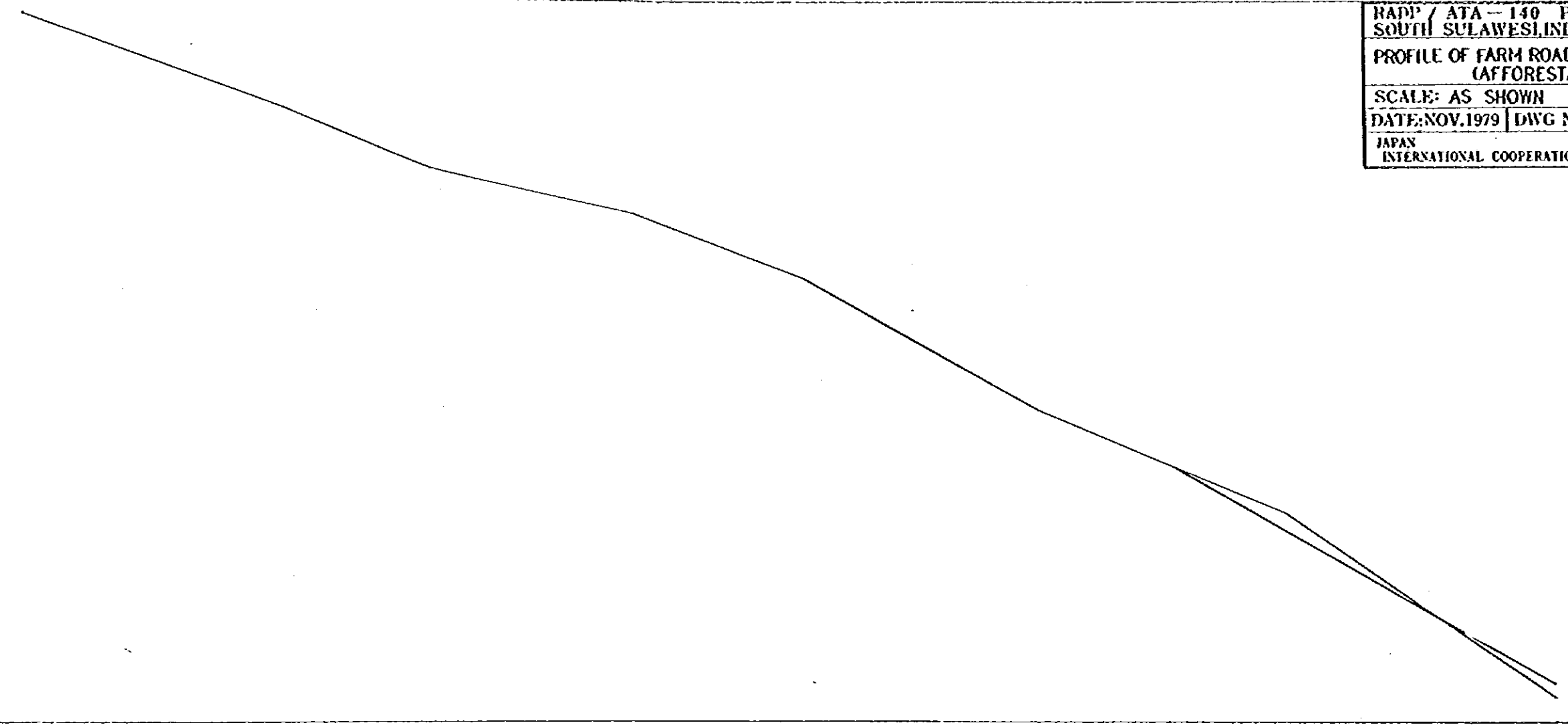


NO.	DIST- ANCE	ACCUM. DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
R.1	000	000	104.63	104.76	
R.2	49.50	49.50	104.59	105.03	
R.2-1	38.00	87.50	104.91	105.06	
R.3	25.70	113.20	104.55	104.70	
R.3-1	31.93	145.13	102.80	102.95	
R.3-2	31.40	176.53	101.10	101.25	
R.3-3	21.42	197.95	99.93	100.08	
R.4	22.75	220.70	97.15	97.30	
R.5	19.09	239.79	95.37	95.52	
R.5-1	27.35	267.18	93.32	92.47	
R.5-2	20.19	287.37	90.70	89.55	
R.5-3	26.67	314.04	85.97	87.00	
R.6	22.87	336.91	86.07	86.22	

RADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 (AFFORESTATION)  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG NO. 17  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

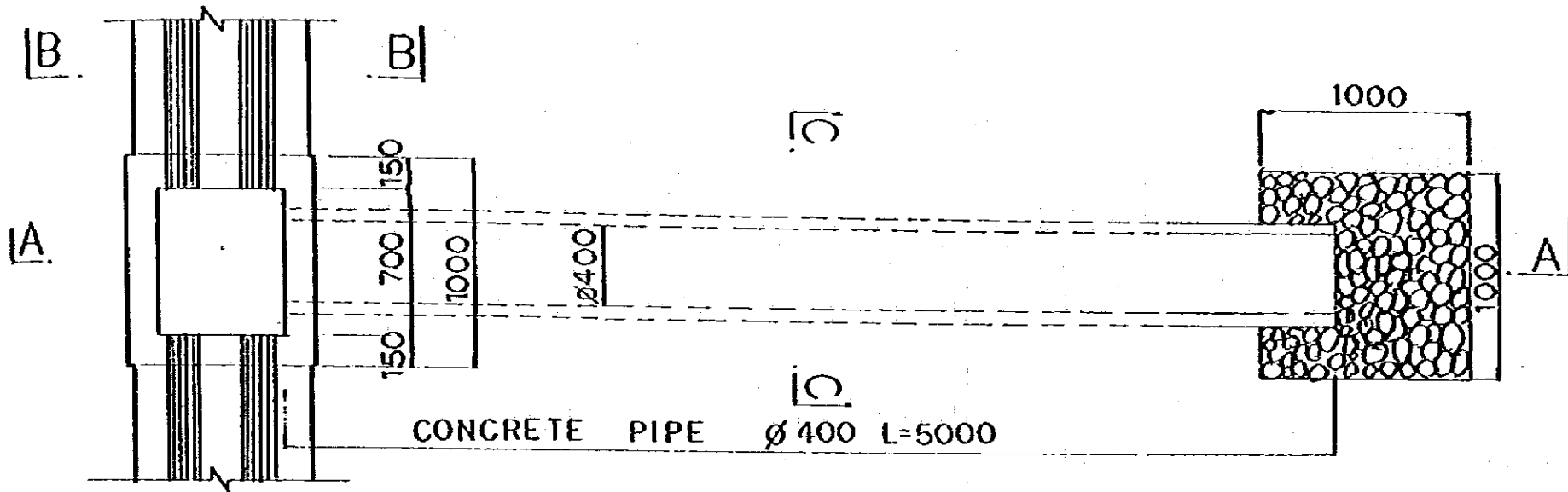


80.00  
 70.00  
 DL. 60.00

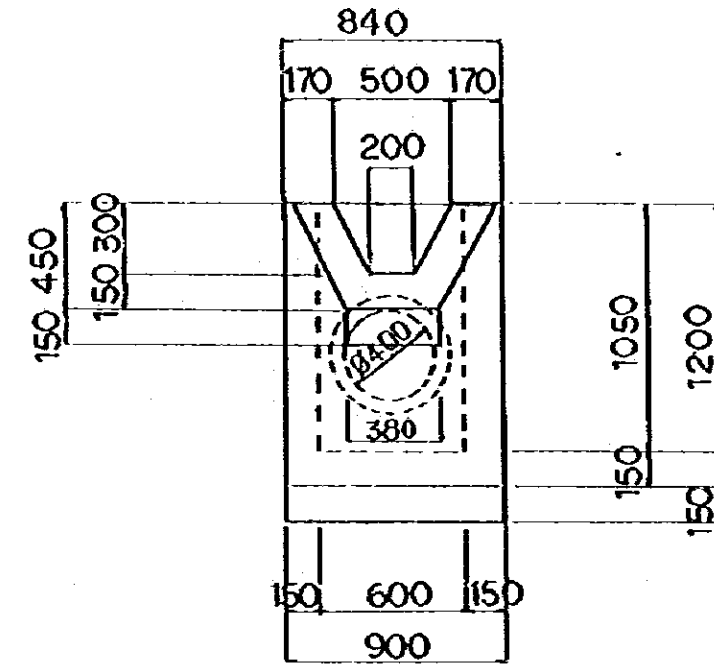


NO.	DIST- ANCE	ACCUM- DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
R.6	22.87	355.91	86.07	86.22	
R.6-1	51.80	388.71	82.49	82.64	
R.7	30.18	418.89	80.20	80.35	
R.8	41.94	460.83	78.35	78.50	
R.8-1	35.15	495.98	75.54	75.69	
R.8-2	47.91	543.87	69.97	70.12	
R.9	51.05	594.90	65.65	64.90	
R.10	55.77	650.67	57.82	58.47	

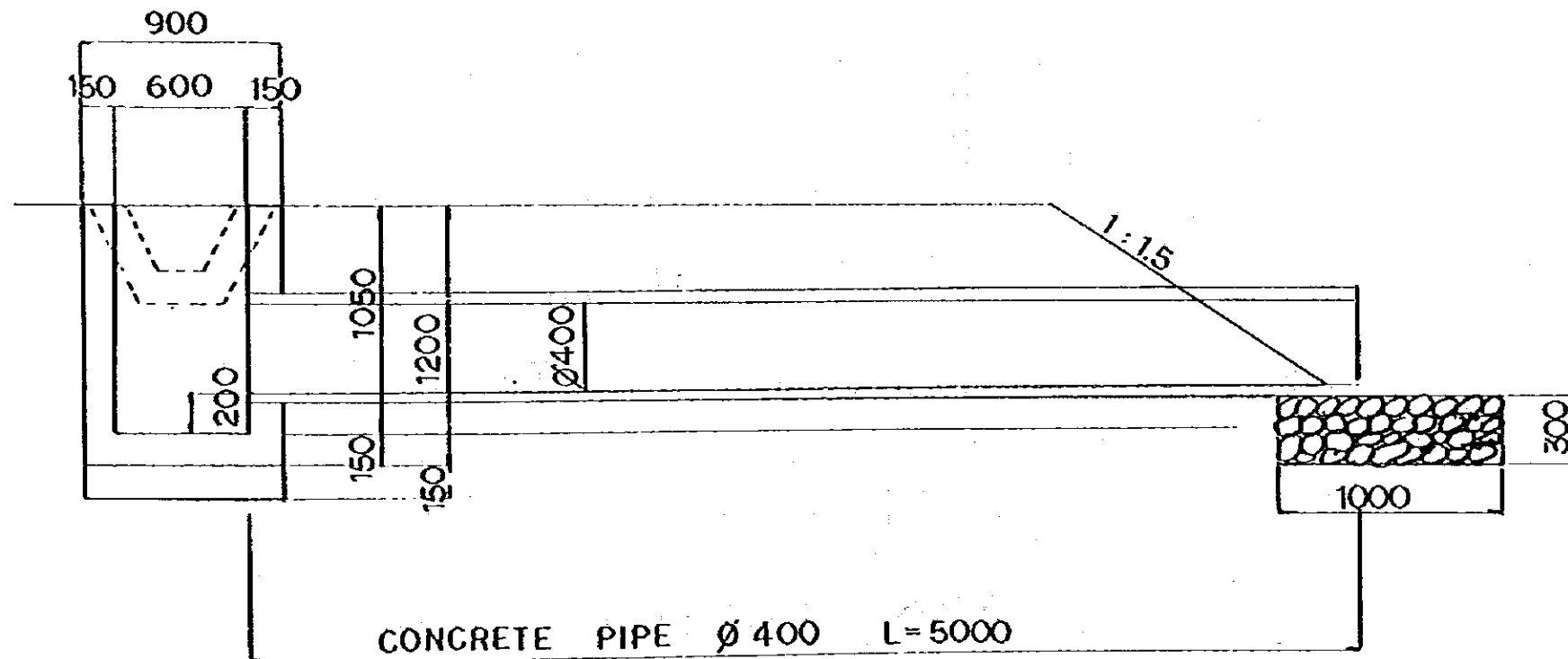
PLAN S=1:30



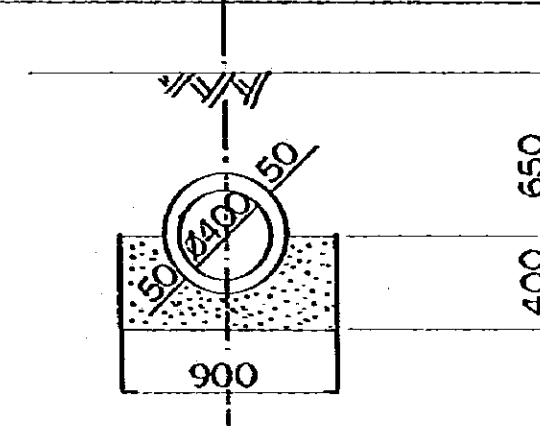
SECTION B-B S=1:30



SECTION A-A S=1:30



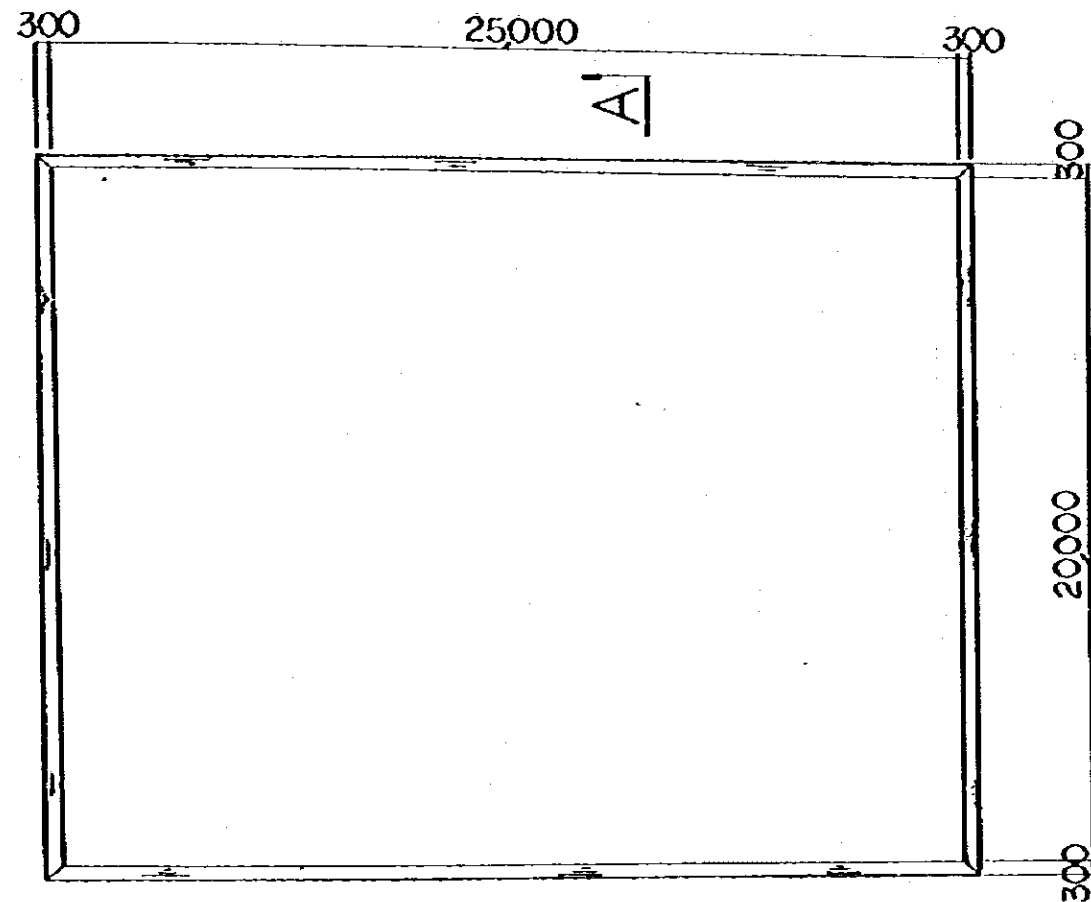
SECTION C-C S=1:30



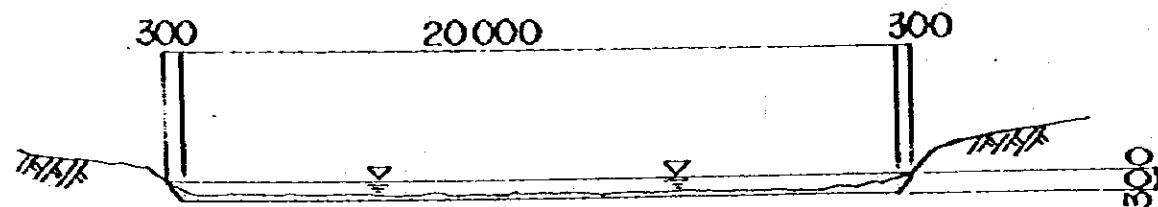
RADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 ROAD CROSSING CULVERT  
 (ENREKANG)  
 SCALE: 1:30  
 DATE: NOV. 1979 | DWG NO. 18  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

# POND EXCAVATION FOR AFFORESTATION

PLAN S = 1:200

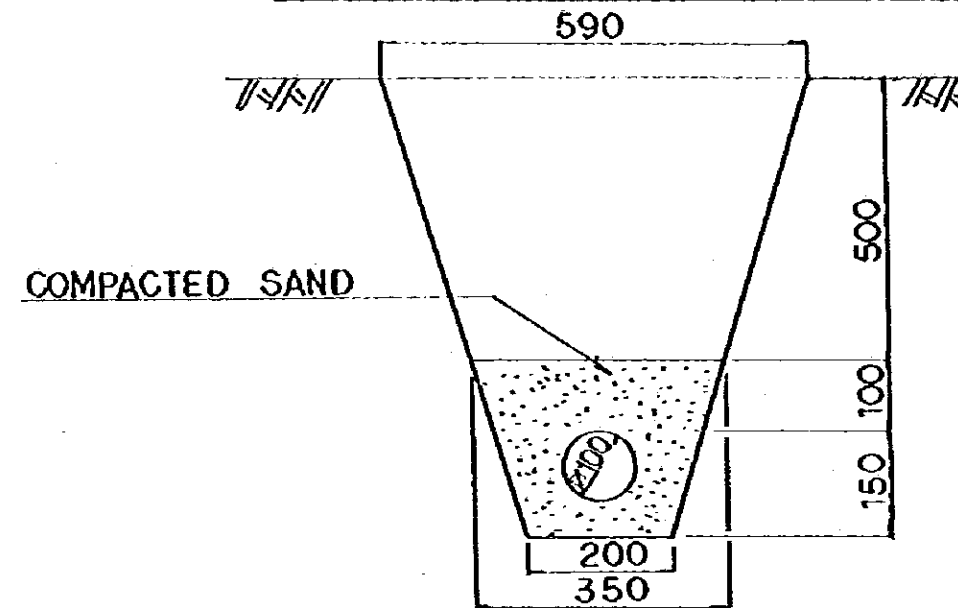


## SECTION A-A

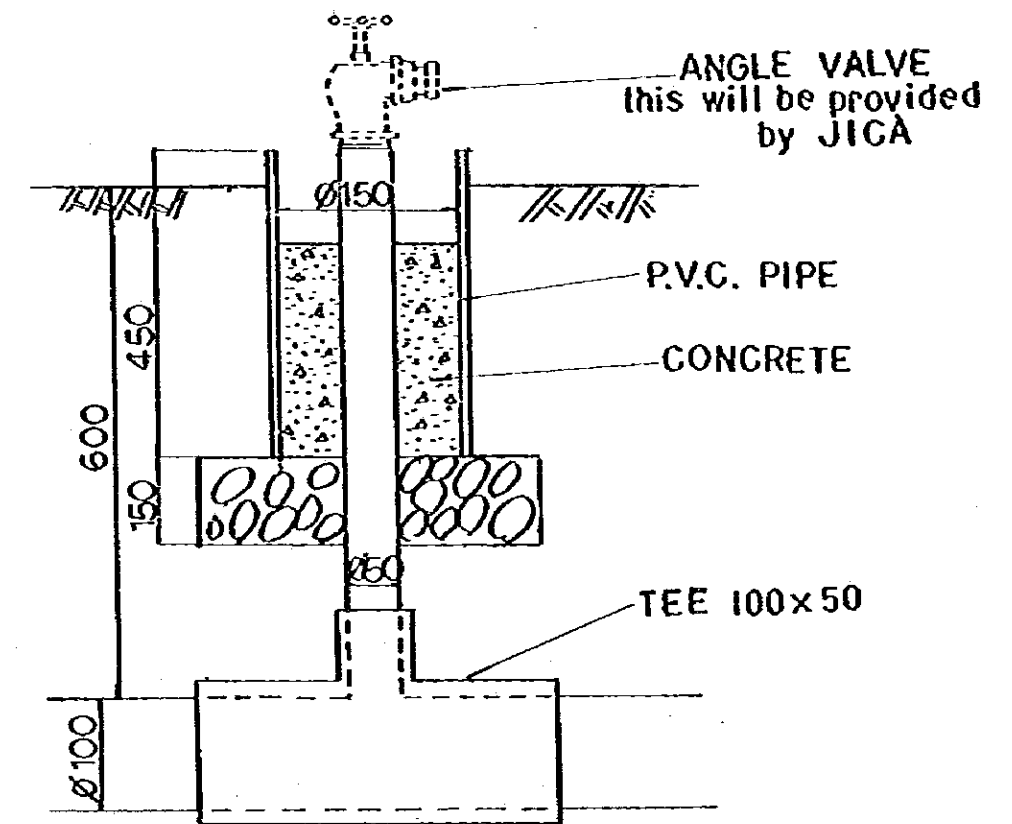


POND AREA 500 m<sup>2</sup>  
EXCAVATION OF MUDDY 100 m<sup>3</sup>

## PIPE INSTALLATION PROFILE S=1:10



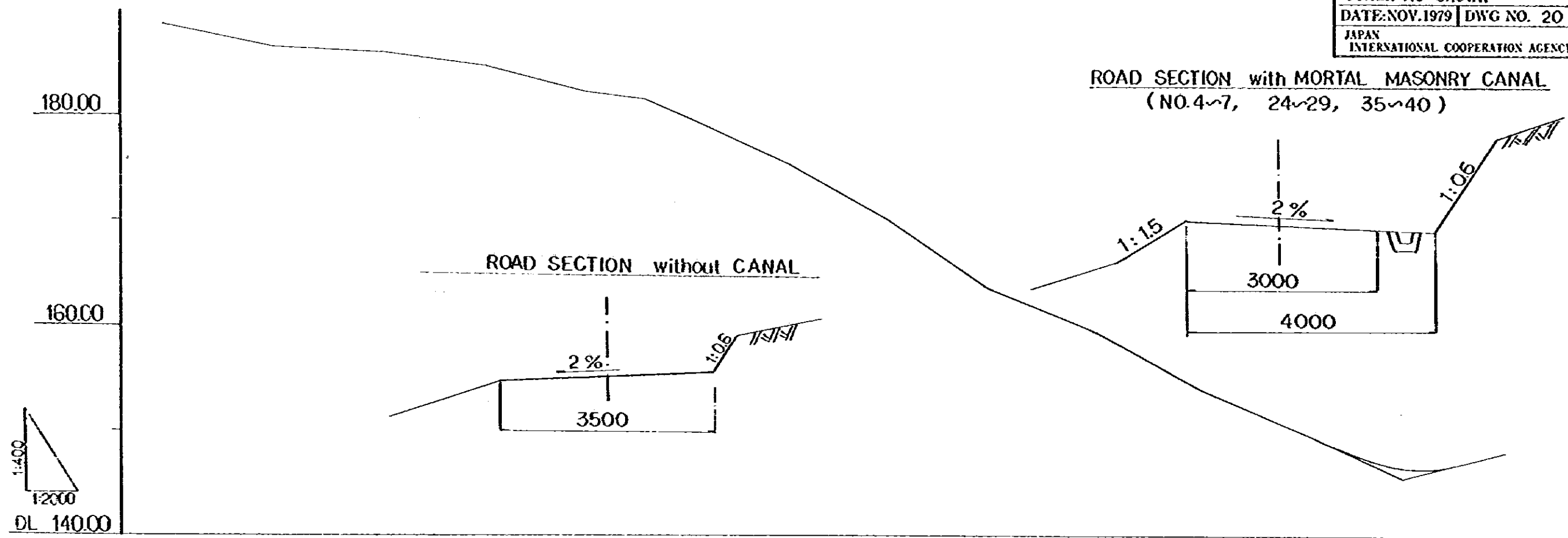
## IRRIGATION OUTLET PROFILE NO SCALE



RADP / ATA - 140 PROJECT  
SOUTH SULAWESI, INDONESIA  
POND EXCAVATION  
IRRIGATION PIPE INSTALLATION  
SCALE: AS SHOWN  
DATE: NOV. 1979 | DWG NO. 19  
JAPAN  
INTERNATIONAL COOPERATION AGENCY

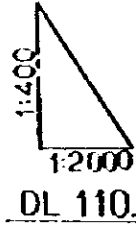
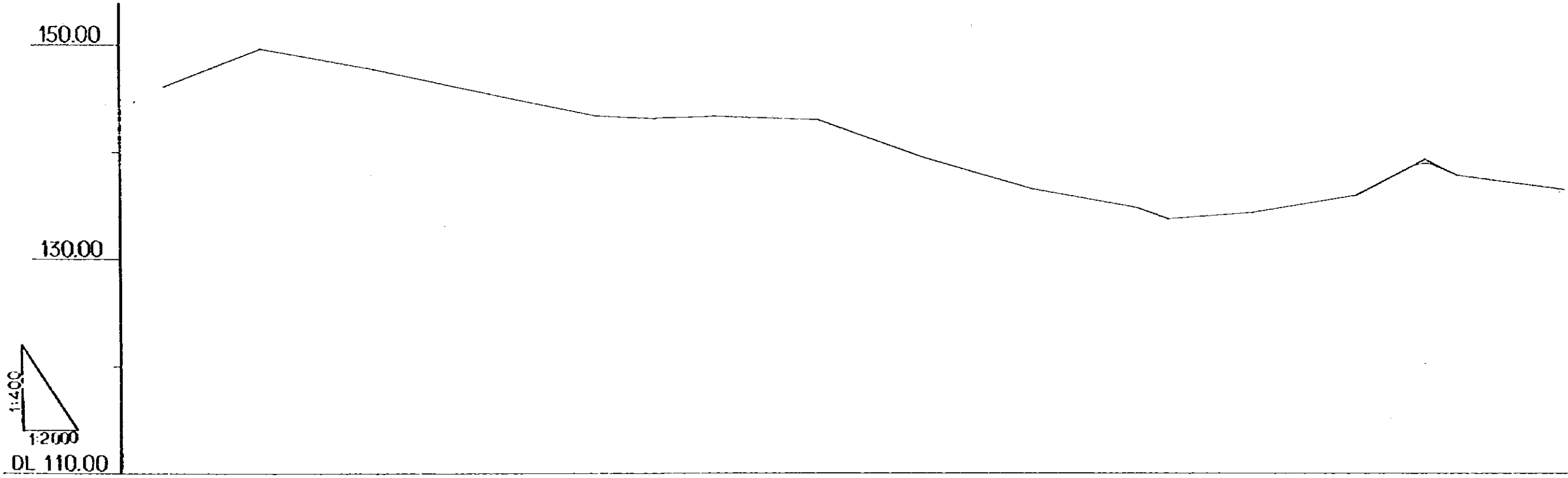
RADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FOR GRASS LAND - 1  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG. NO. 20  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

ROAD SECTION with MORTAL MASONRY CANAL  
 (NO. 4~7, 24~29, 35~40)



NO	DIST- ANCE	ACCUM- DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
NO.0	0.00	0.00	188.49	188.49	
NO.1	50.00	50.00	186.58	186.58	
NO.2	49.48	99.48	186.28	186.28	
NO.3	49.00	148.48	185.25	185.25	
NO.4	47.44	195.92	183.05	183.05	
NO.4+1	28.78	224.70	182.39	182.39	
NO.5	20.16	224.86	180.47	180.47	
NO.6	45.98	290.84	176.12	176.12	
NO.7	44.82	335.66	171.01	171.01	
NO.8	49.45	385.11	163.99	163.99	
NO.9	49.84	434.95	159.90	159.90	
NO.9+1	49.69	484.64	154.19	154.19	
NO.10	51.64	536.28	149.80	149.80	
NO.11	43.64	579.92	145.70	146.70	
NO.12	49.50	629.42	148.12	148.12	

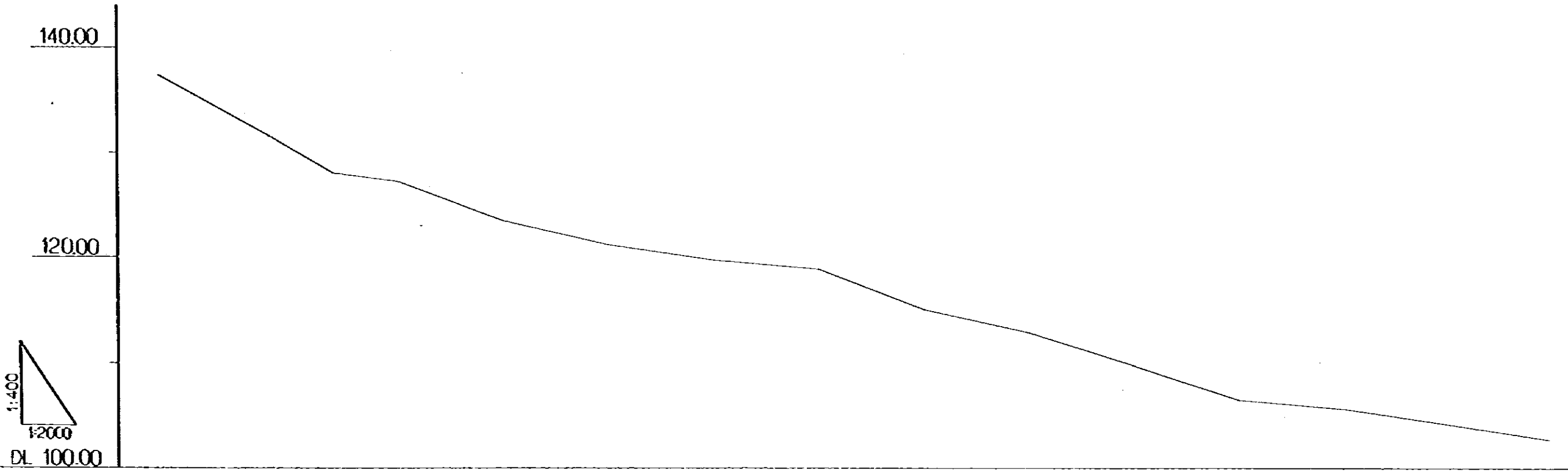
RADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FOR GRASS LAND - 2  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG NO. 21  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY



NO	DIST- ANCE	ACCUM DIST- ANCE	PRES- ENT HIGHT	PLAN ED HIGHT	GRAD- IENT
NO.12	49.50	629.42	148.12	148.12	
NO.13	43.46	672.88	149.55	149.45	
NO.14	49.93	722.81	148.05	148.05	
NO.15	50.39	773.20	145.89	145.89	
NO.16	49.90	823.10	144.00	144.00	
NO.16-1	25.80	848.90	143.80	143.80	
NO.17	25.70	874.60	144.13	144.13	
NO.18	50.00	924.60	144.09	143.89	
NO.19	49.57	974.27	140.32	140.32	
NO.20	49.73	1024.00	137.30	137.30	
NO.21	49.96	1073.96	135.50	135.50	
NO.21-1	14.50	1088.46	134.38	134.58	
NO.22	39.00	1127.46	135.00	135.00	
NO.23	49.91	1177.37	136.75	136.75	
NO.23-1	31.86	1209.23	140.15	139.75	
NO.24	19.56	1228.79	138.66	138.66	
NO.25	49.68	1278.47	137.20	137.20	

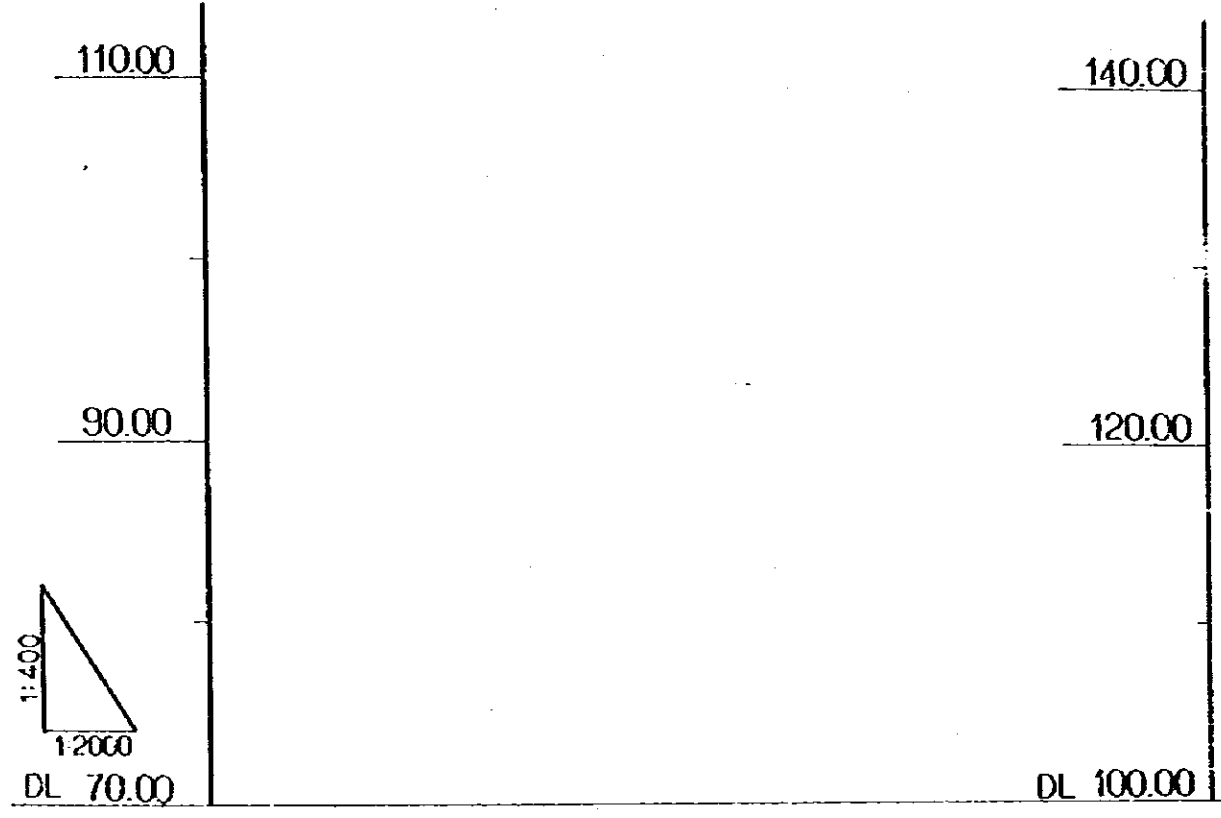


RADP / ATA - 110 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FOR GRASS LAND -3  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG NO. 22  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY



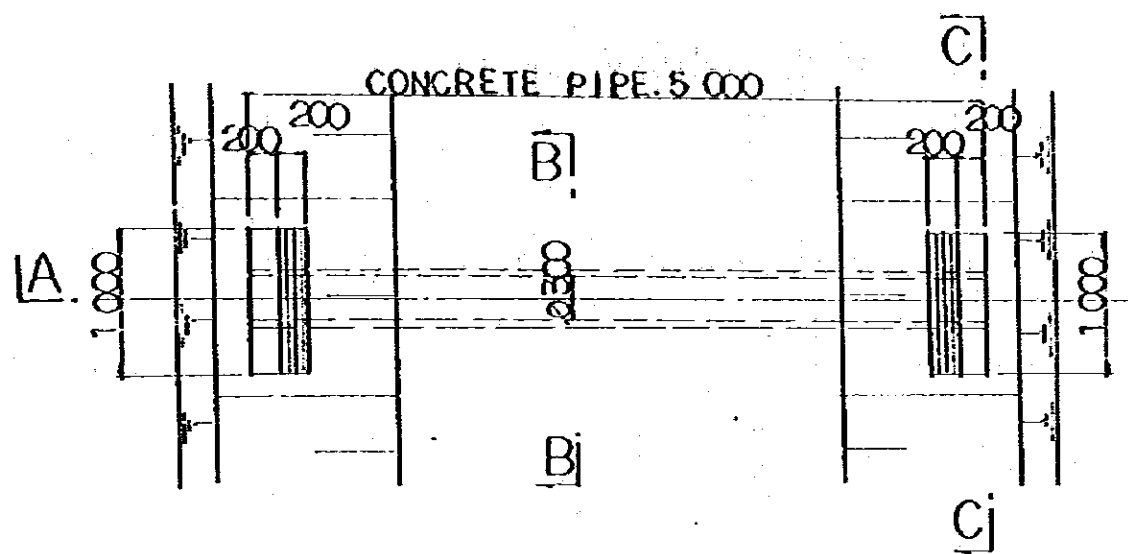
NO	DIST- ANCE	ACCUM DIST- ANCE	PRES- ENT HEIGHT	PLAN ED HEIGHT	GRAD- IENT
NO.25	49.69	1278.47	137.20	137.20	
NO.26	49.34	1327.81	131.65	131.65	
NO.26-1	19.93	1347.74	130.16	130.16	
NO.27	30.25	1377.99	127.49	127.49	
NO.28	49.69	1427.68	123.66	123.66	
NO.29	50.47	1478.15	121.64	121.64	
NO.30	49.94	1528.09	120.24	120.24	
NO.31	49.93	1578.02	119.37	119.37	
NO.32	49.87	1627.89	115.45	115.45	
NO.33	49.98	1677.87	113.24	113.24	
NO.34	49.77	1727.64	111.05	111.05	
NO.35	49.80	1777.44	106.72	106.72	
NO.36	49.99	1827.43	105.78	105.78	
NO.37	49.43	1876.86	104.30	104.30	
NO.38	47.99	1924.85	102.79	102.79	

RADP / ATA -- 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PROFILE OF FARM ROAD  
 FOR GRASS LAND -- 4  
 SCALE: AS SHOWN  
 DATE: NOV. 1979 | DWG NO. 23  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

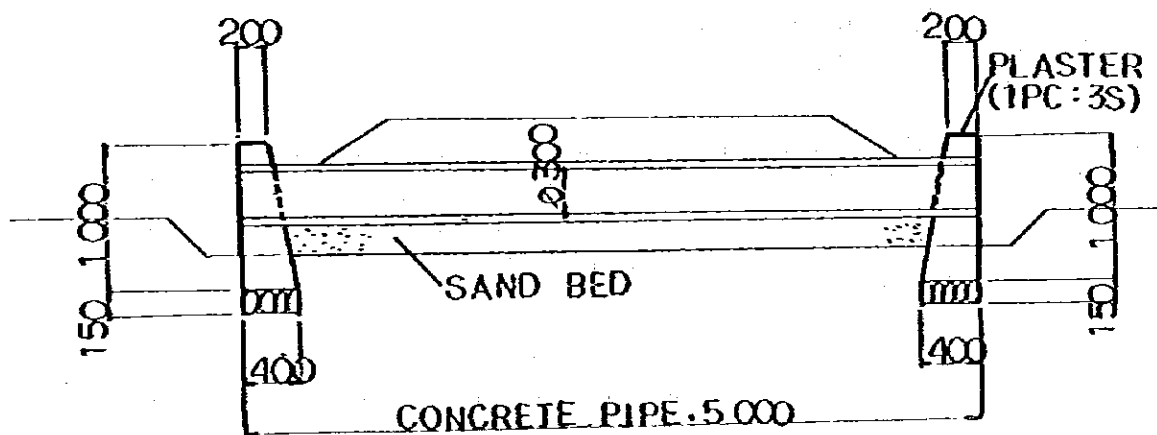


NO	DIST- ANCE	ACCUM. DIST- ANCE	PRES- ENT HIGHT	PLAN- ED HIGHT	GRAD- IENT
NO.38	47.99	1924.85	102.79	102.79	
NO.39	48.83	1973.68	99.60	99.60	
NO.0 (NO.30)	0.00	0.00	121.64	121.64	
S-1	49.99	49.99	122.69	122.69	
S-2	49.98	99.97	121.10	121.10	
S-3	49.96	149.93	122.05	122.05	
S-4	50.00	199.93	122.40	122.40	
S-4 +25.00	24.99	224.92	121.97	121.97	

PLAN s. 1:50

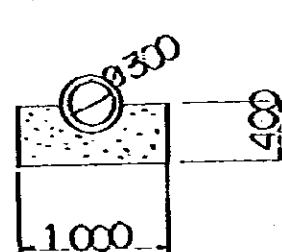


SECTION A - A

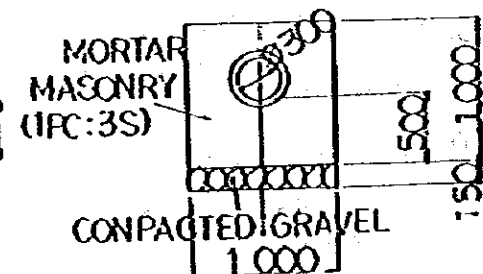


SECTION B - B

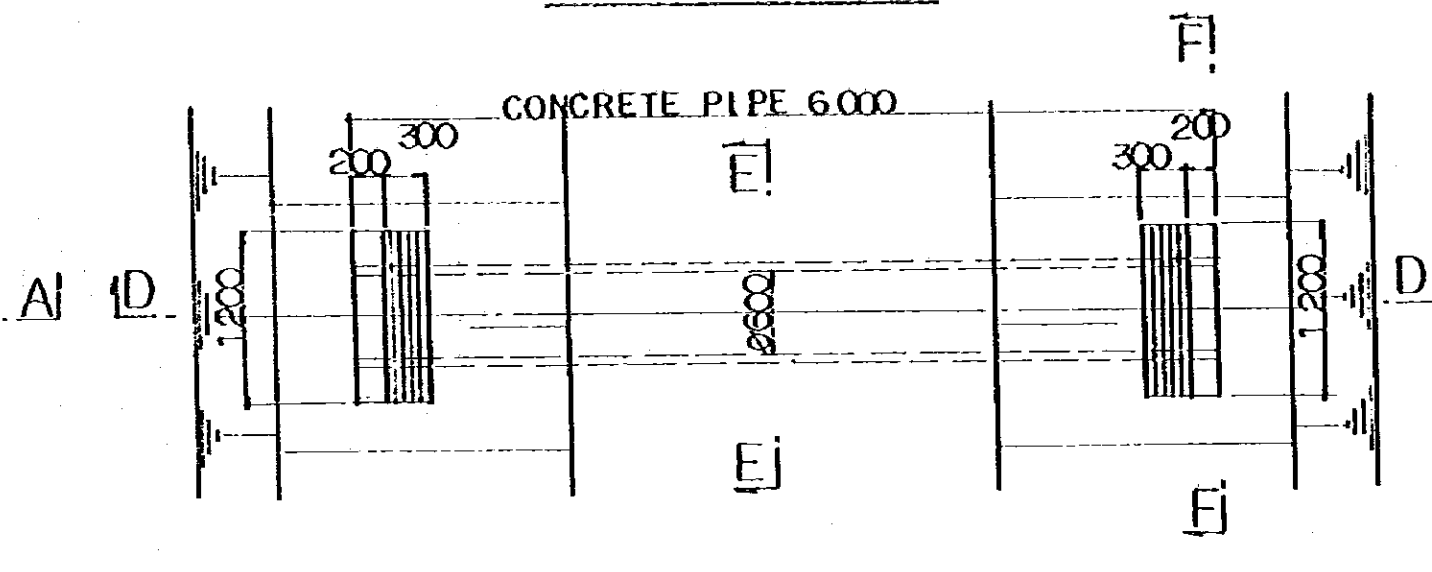
SAND BED 180°



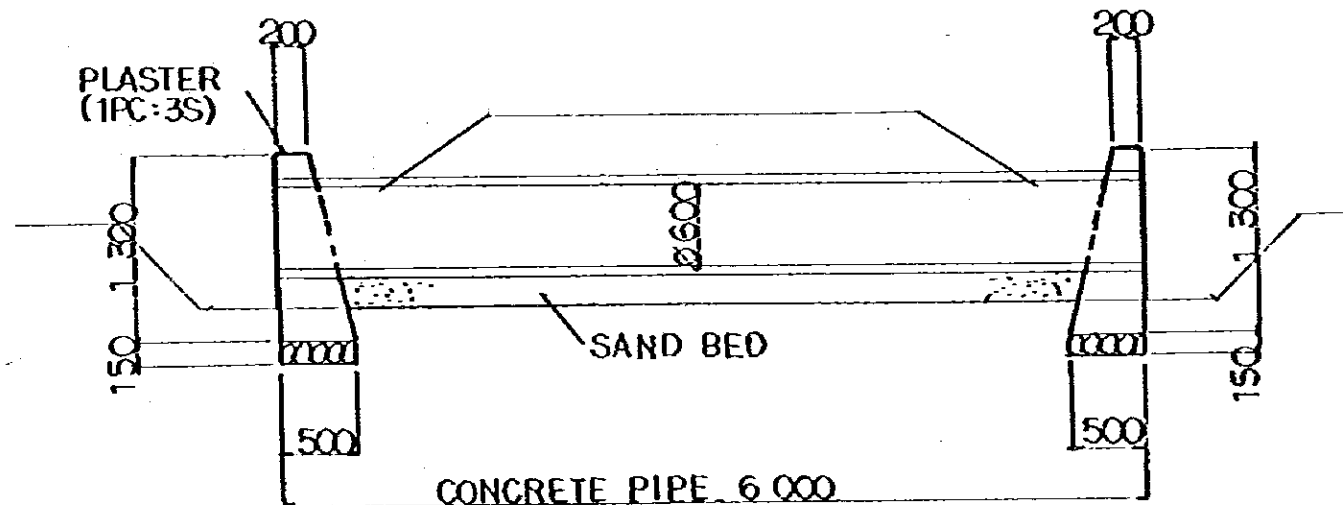
SECTION C - C



PLAN s. 1:50

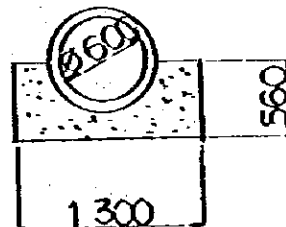


SECTION D - D

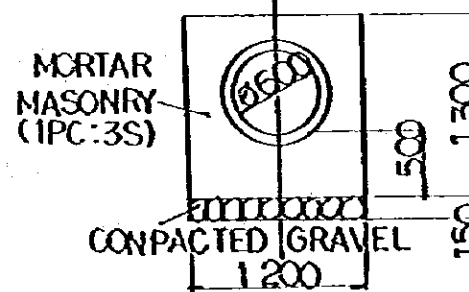


SECTION E - E

SAND BED 180°

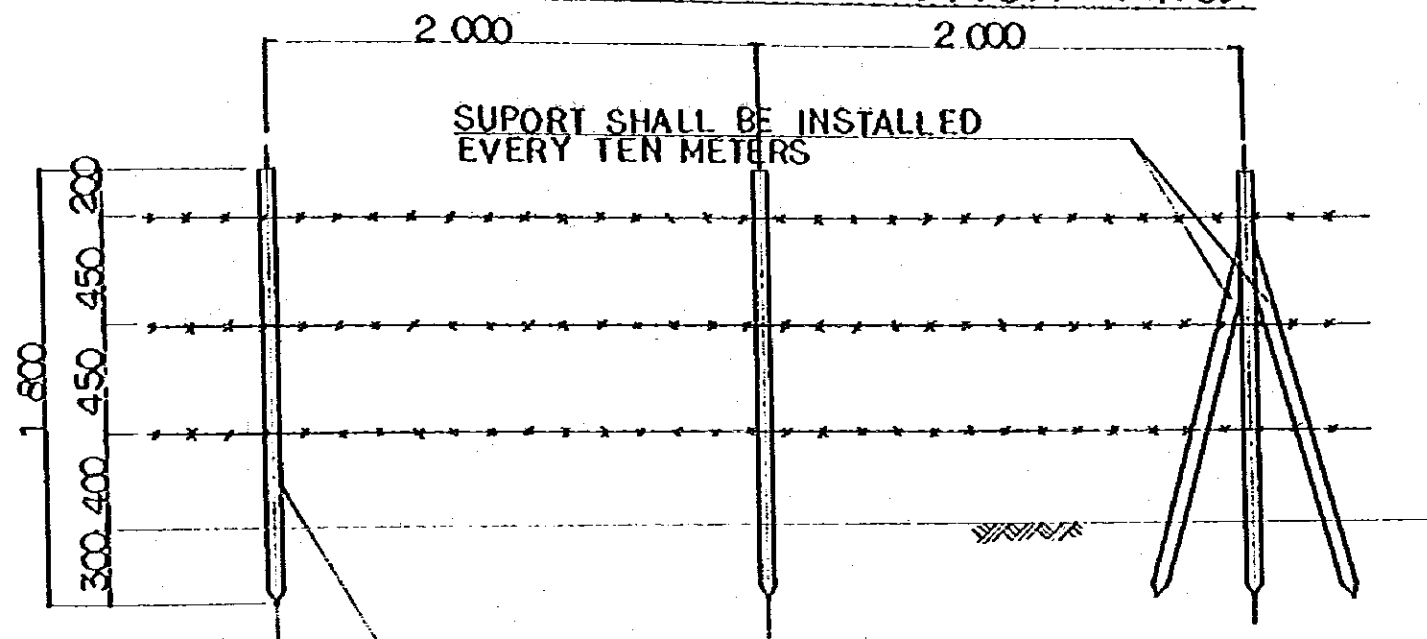


SECTION F - F



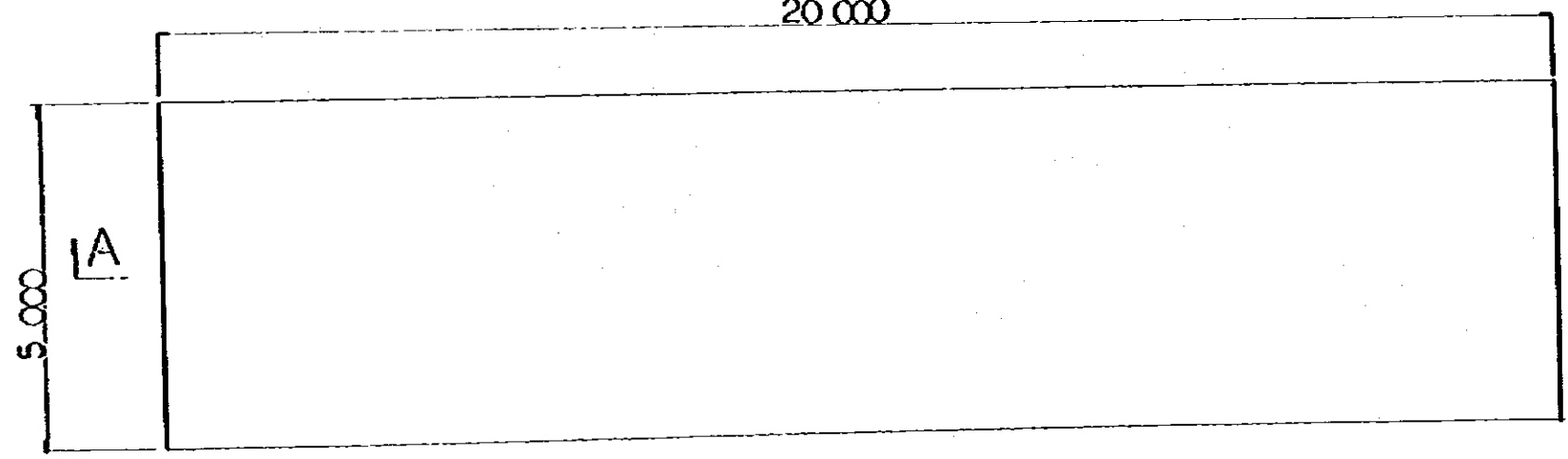
RADP / ATA - 140 PROJECT	
SOUTH SULAWESI, INDONESIA	
ROAD CROSSING CULVERT	
NO. 918 <sup>m</sup> AND NO. 10145 <sup>m</sup> (GRASSLAND)	
SCALE: 1:50	
DATE: NOV. 1979	DWG. NO. 24
JAPAN INTERNATIONAL COOPERATION AGENCY	

FENCE  
LONGITUDIAL SECTION s.1:30

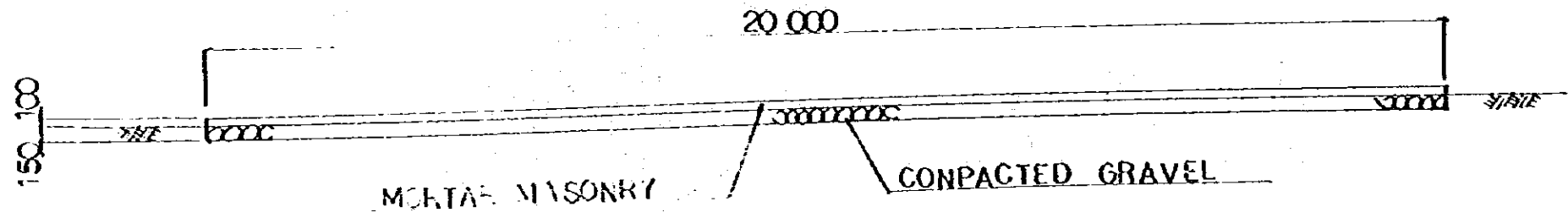


WOODEN POLE (TAMATE WOOD) MIN DIA. 7CM

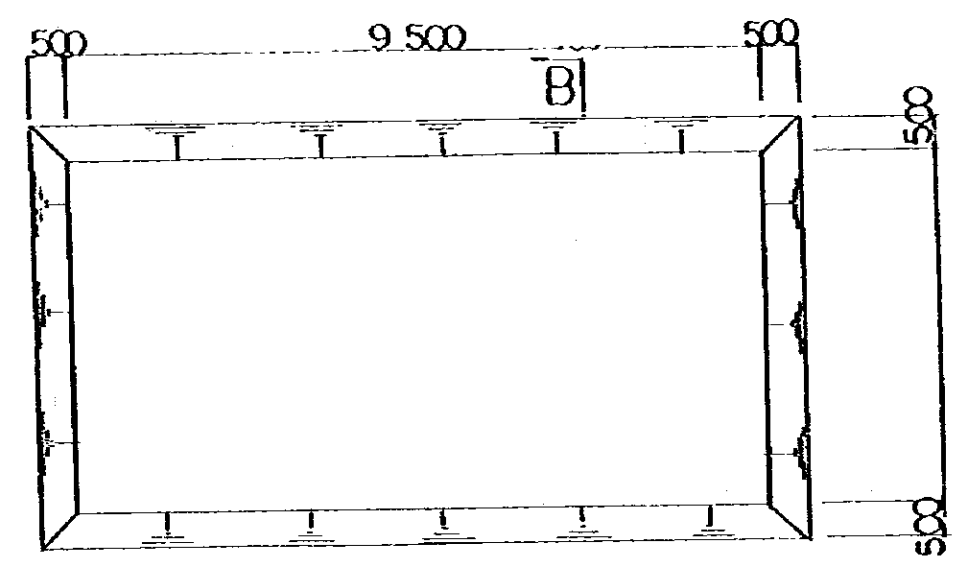
CONCRETE FOUNDATION FOR BALANCE  
PLAN s.1:100



SECTION A - A

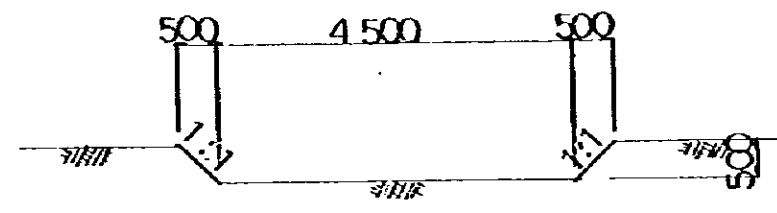


POND MAKING AT P.VI  
PLAN s.1:100



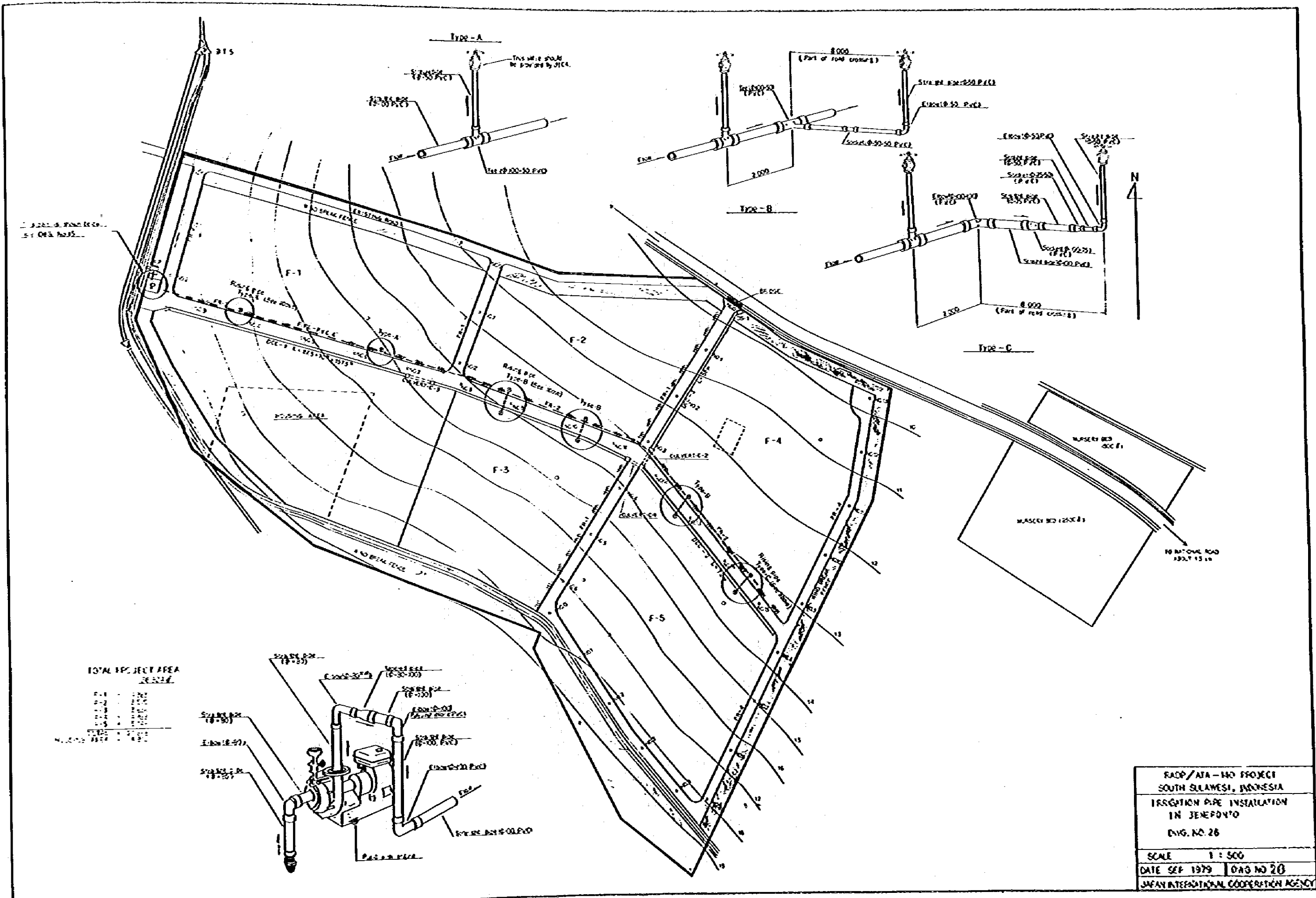
B

SECTION B - B



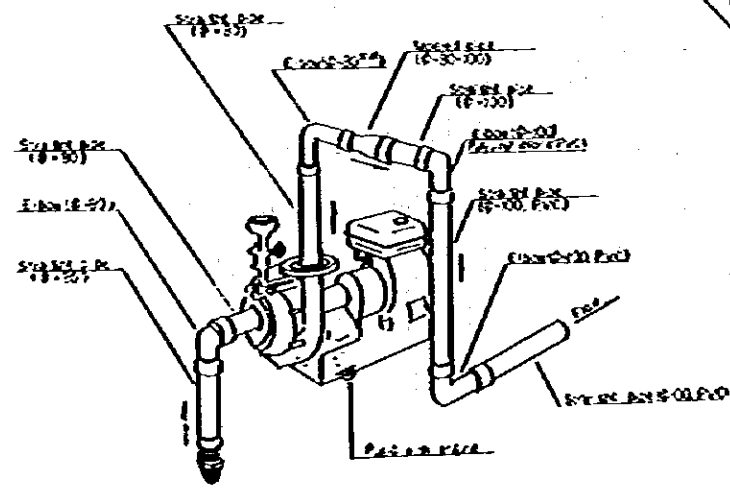
A

RADP / ATA - 140 PROJECT  
SOUTH SULAWESI, INDONESIA  
BARBED WIRE FENCE  
POND MAKING AT GRASS LAND  
SCALE: AS SHOWN  
DATE: NOV. 1979 | DWG. NO. 25  
JAPAN  
INTERNATIONAL COOPERATION AGENCY



**TOTAL PROJECT AREA**

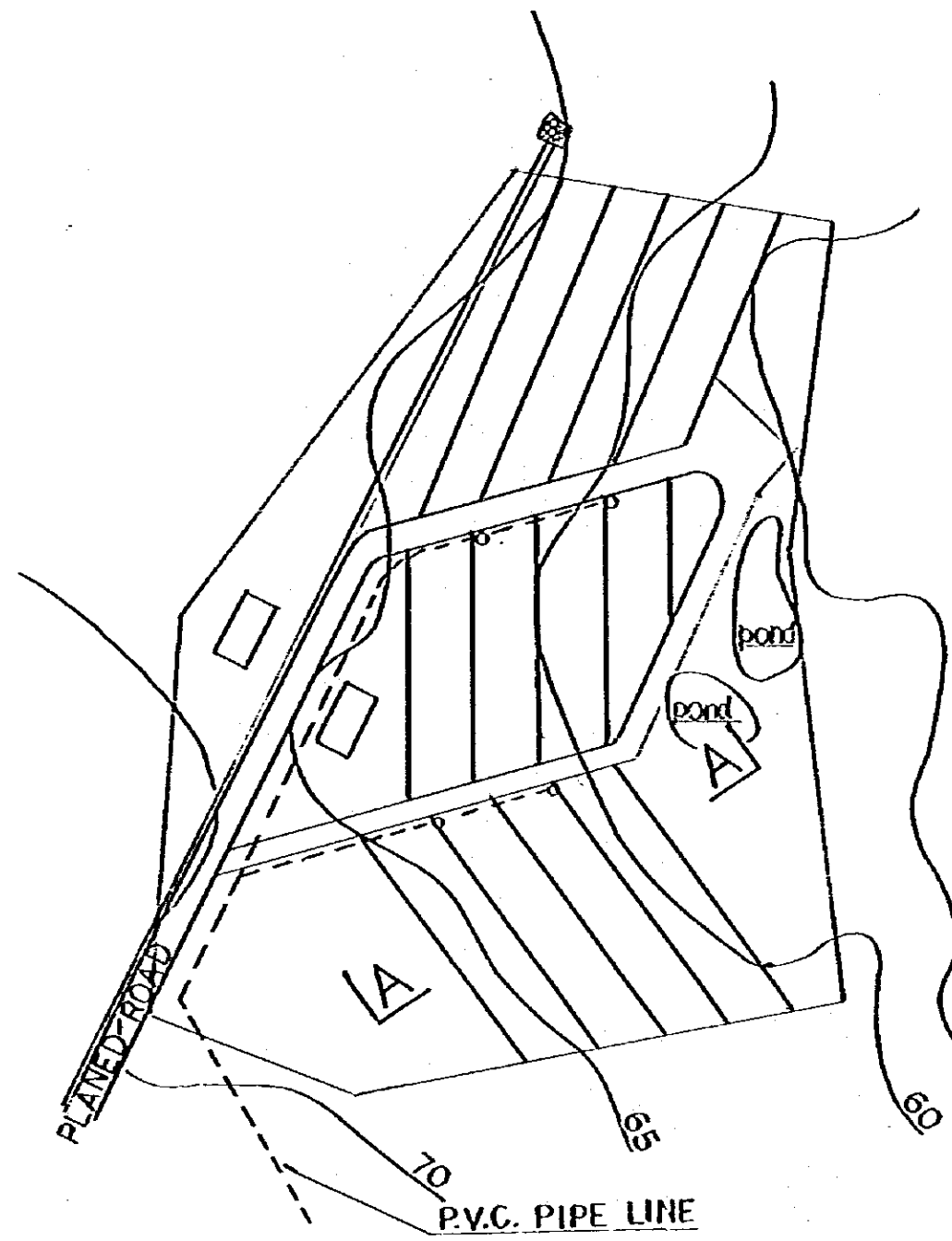
Area	Area (ha)
F-1	1.20
F-2	1.50
F-3	1.80
F-4	2.10
F-5	2.40
<b>TOTAL</b>	<b>8.00</b>



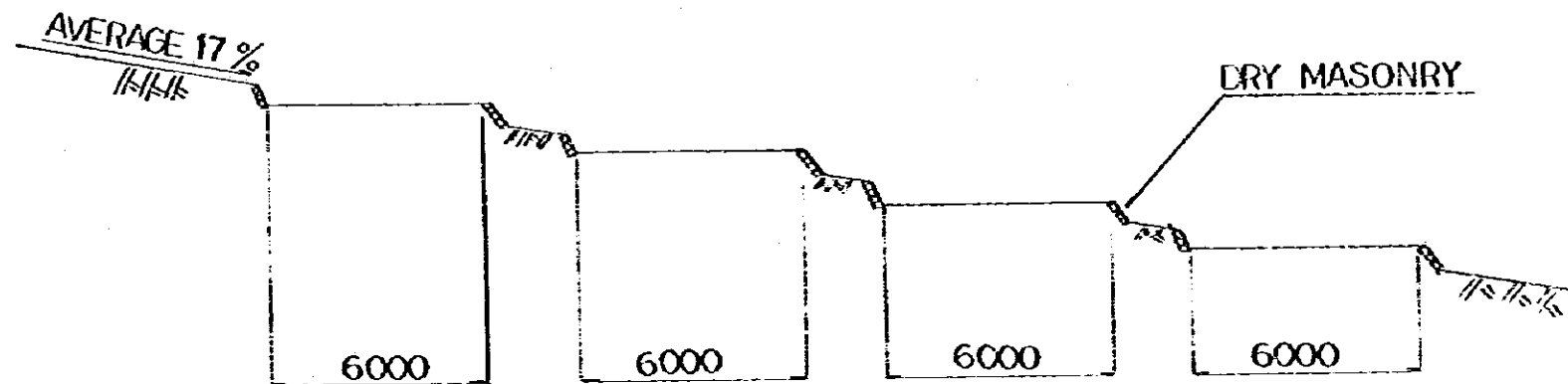
RACP/ATA-140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 IRRIGATION PIPE INSTALLATION  
 IN JENEPONTO  
 DWS. NO. 26  
 SCALE 1 : 500  
 DATE SEP 1979 | DWG NO 26  
 JAPAN INTERNATIONAL COOPERATION AGENCY



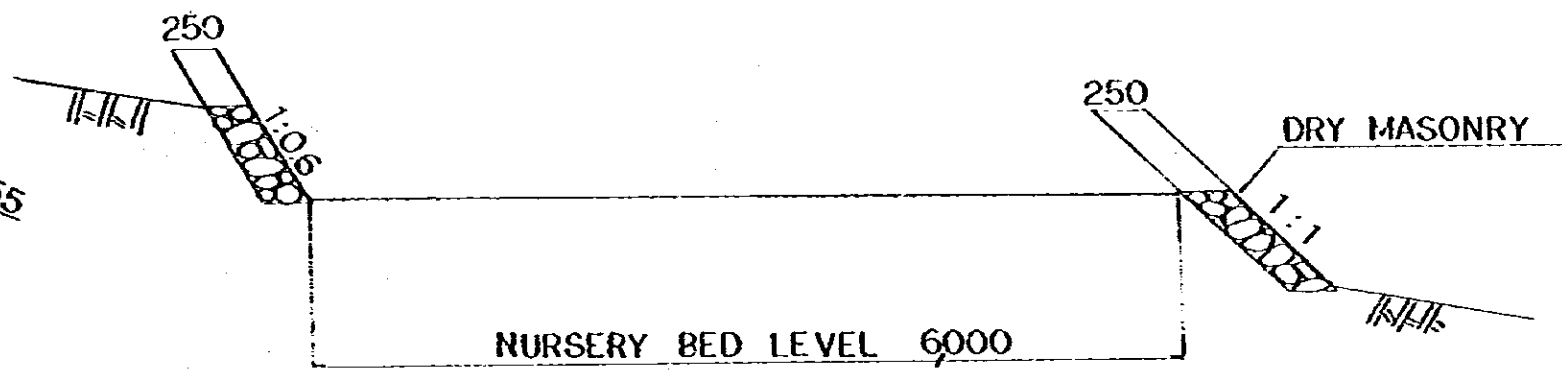
NURSERY LAYOUT MAP S=1:1000



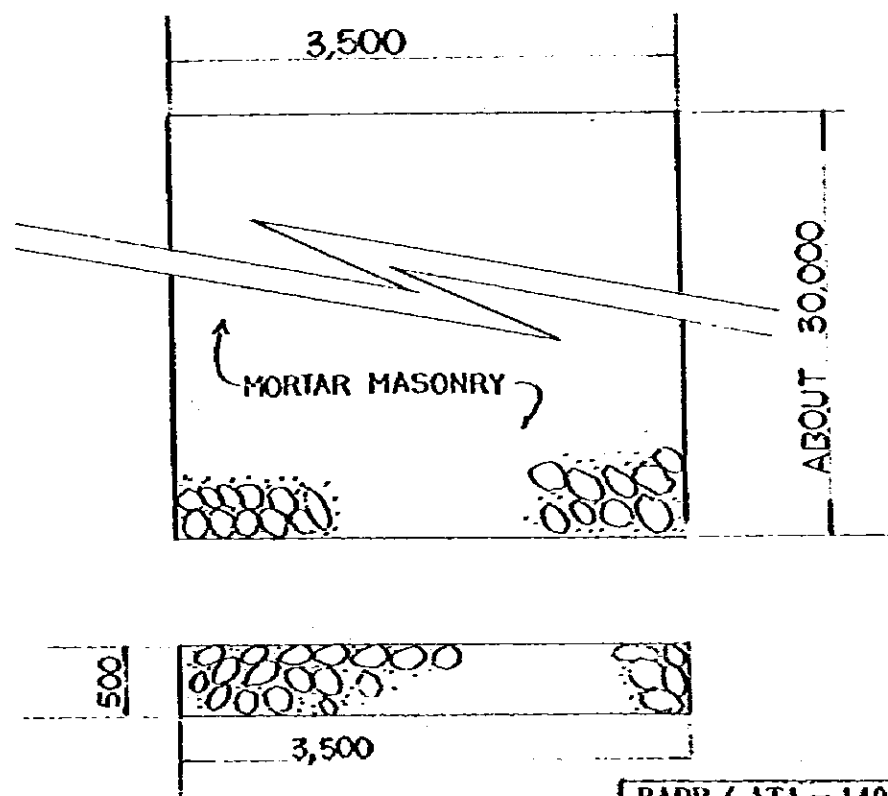
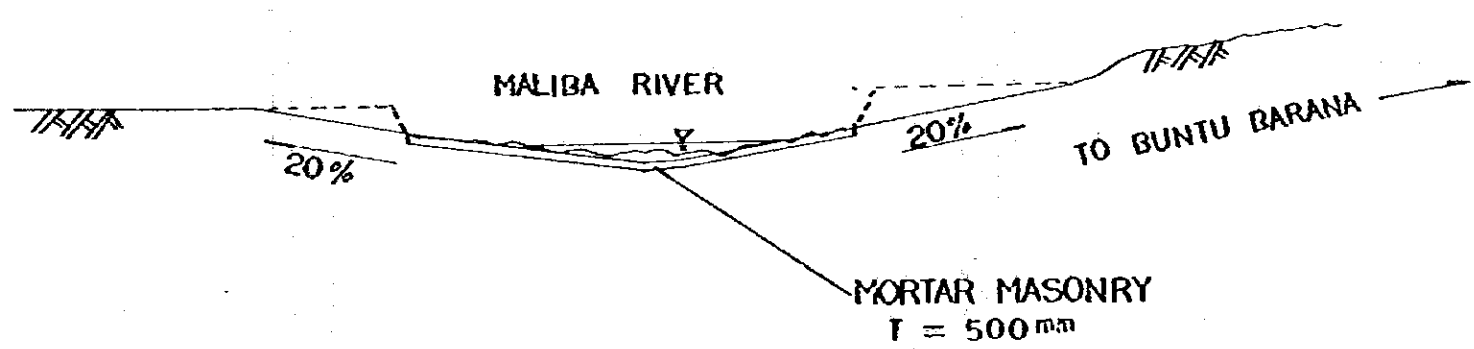
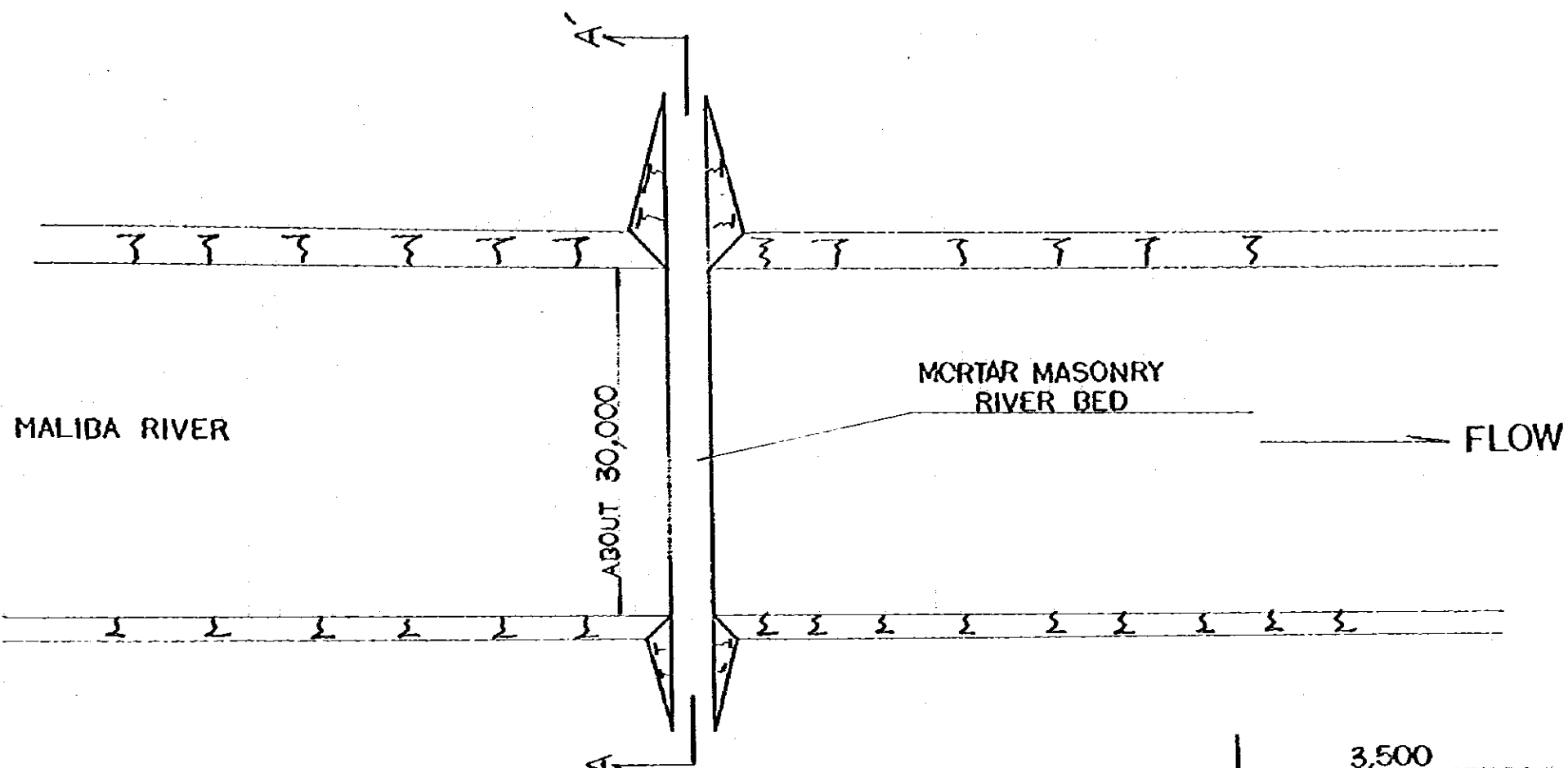
SECTION A—A S=1:200



NURSER BED PROFILE S=1:50

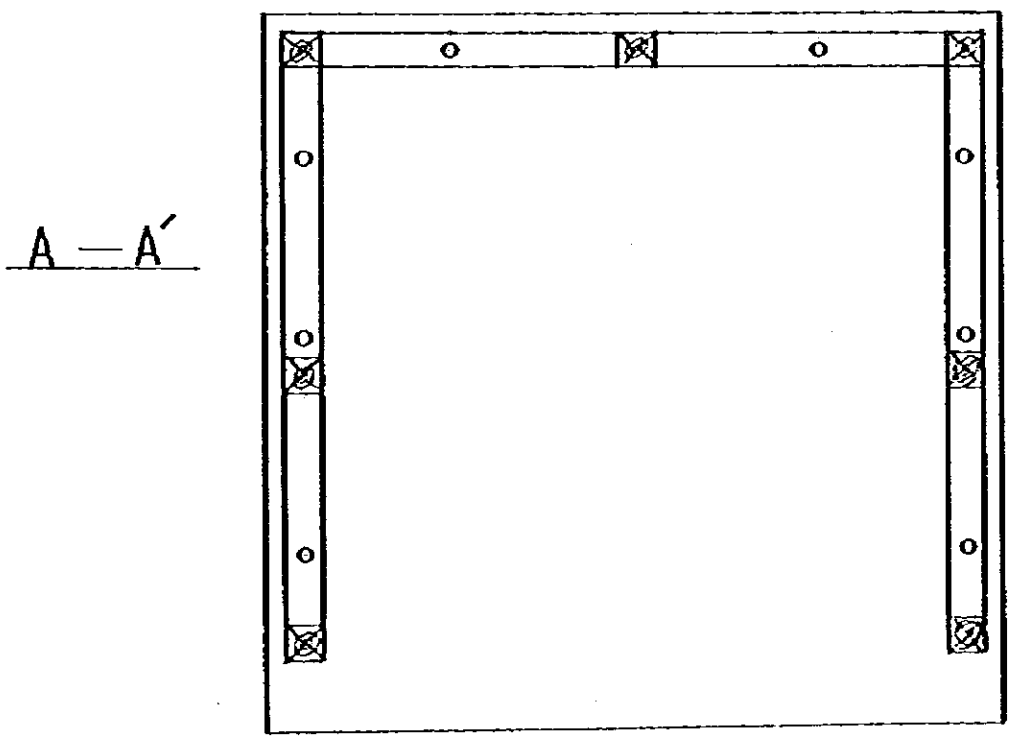
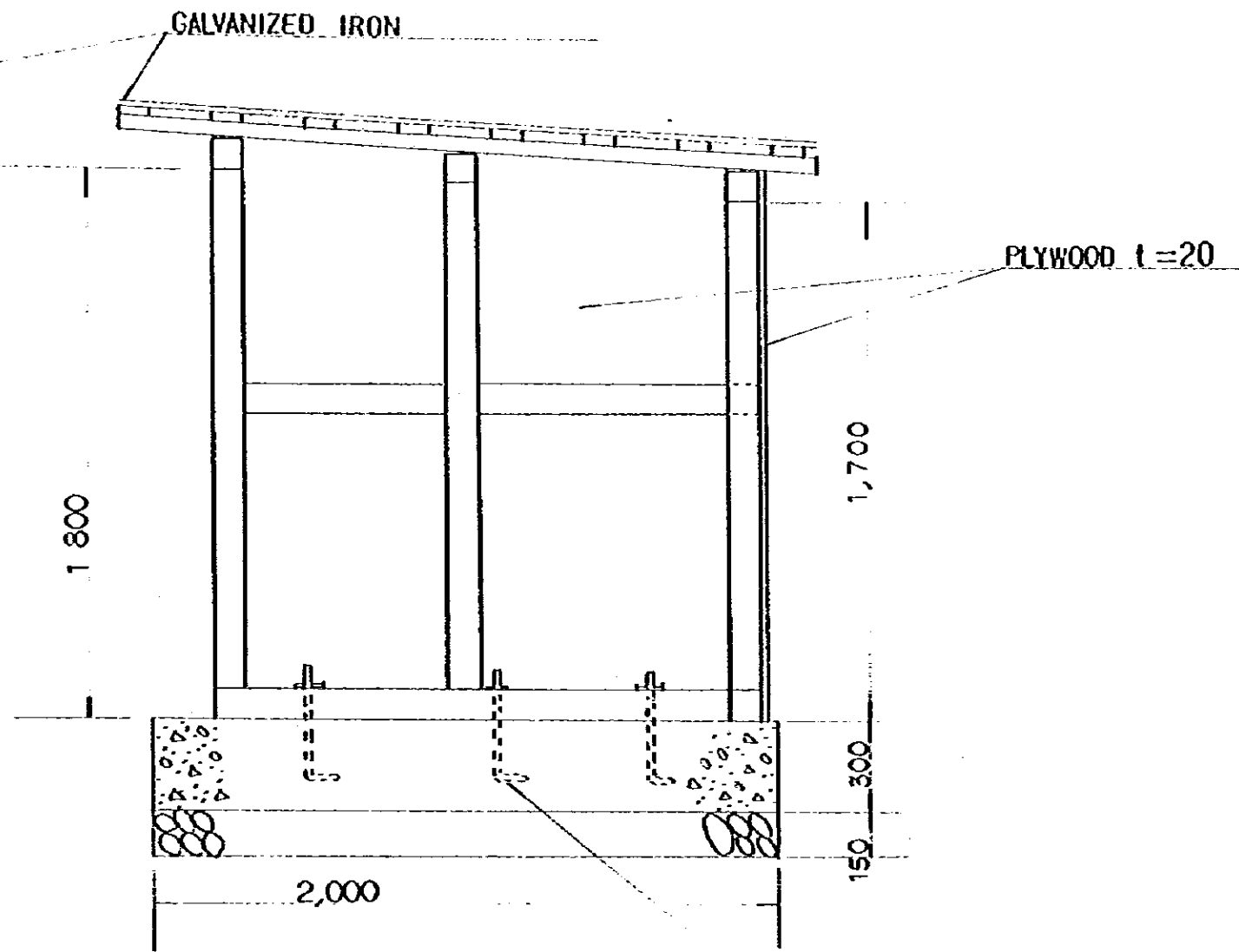
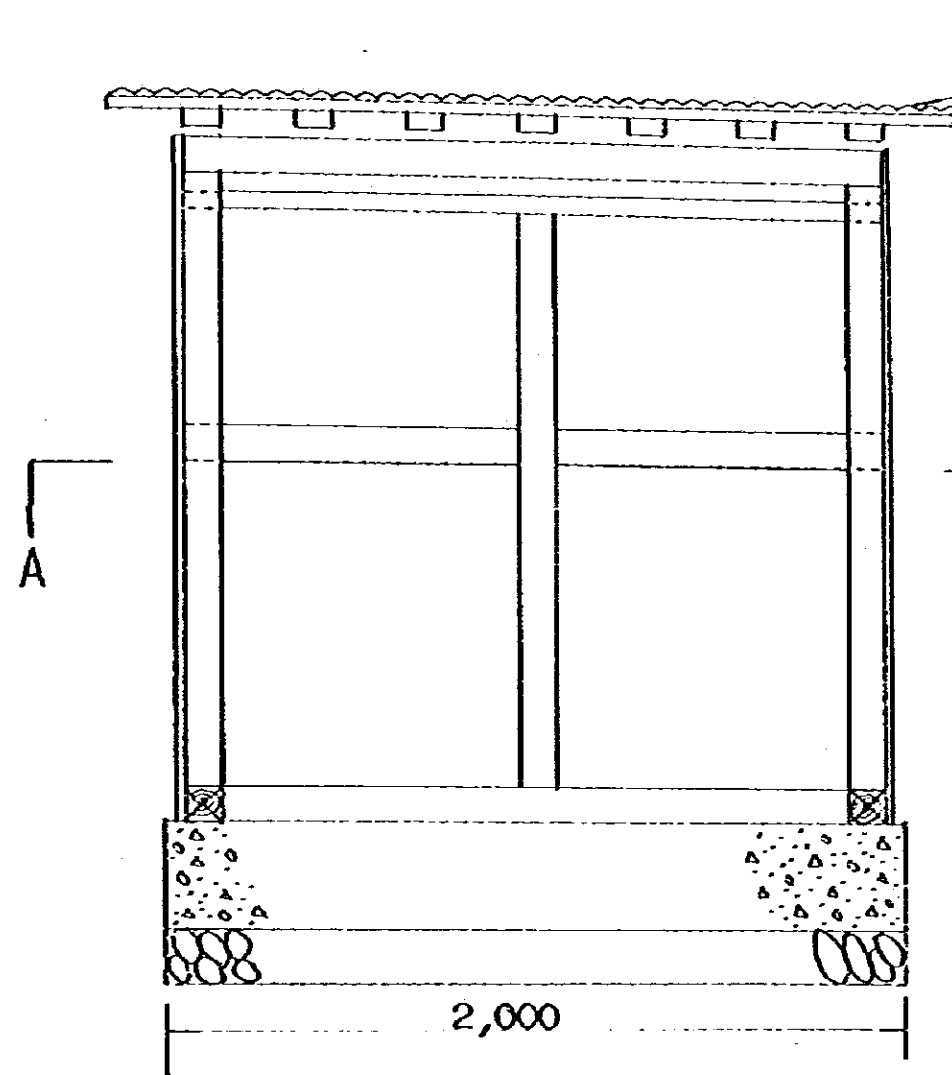


RADP / ATA-140 PROJECT	
SOUTH SULAWESI, INDONESIA	
PROFILE OF NURSERY BED	
SCALE: AS SHOWN	
DATE: NOV. 1979	DWG NO. 28
JAPAN INTERNATIONAL COOPERATION AGENCY	



RADP / ATA - 140 PROJECT	
SOUTH SULAWESI, INDONESIA	
TEMPORARY WORK	
MORTAR MASONRY RIVER BED	
SCALE: NO SCALE	
DATE: NOV. 1979	DWG NO. 29
JAPAN INTERNATIONAL COOPERATION AGENCY	





MATERIAL

TIMBER		
100x100x4,000	8	
50x100x4,000	5	
30x100x4,000	5	0.48 M <sup>3</sup>
GALVANIZED IRON		5.2 M <sup>2</sup>
ANCHOR BOLT $\phi 20 \times 350$		8 BOLTS
PLYWOOD t=20MM		11 M <sup>2</sup>

ANCHOR BOLT  $\phi 20 \times 350$

RADP / ATA - 140 PROJECT  
 SOUTH SULAWESI, INDONESIA  
 PUMP HOUSE  
 JENEPONTO, ENREKANG  
 SCALE: 1:20  
 DATE: NOV. 1979 | DWG NO. 30  
 JAPAN  
 INTERNATIONAL COOPERATION AGENCY

