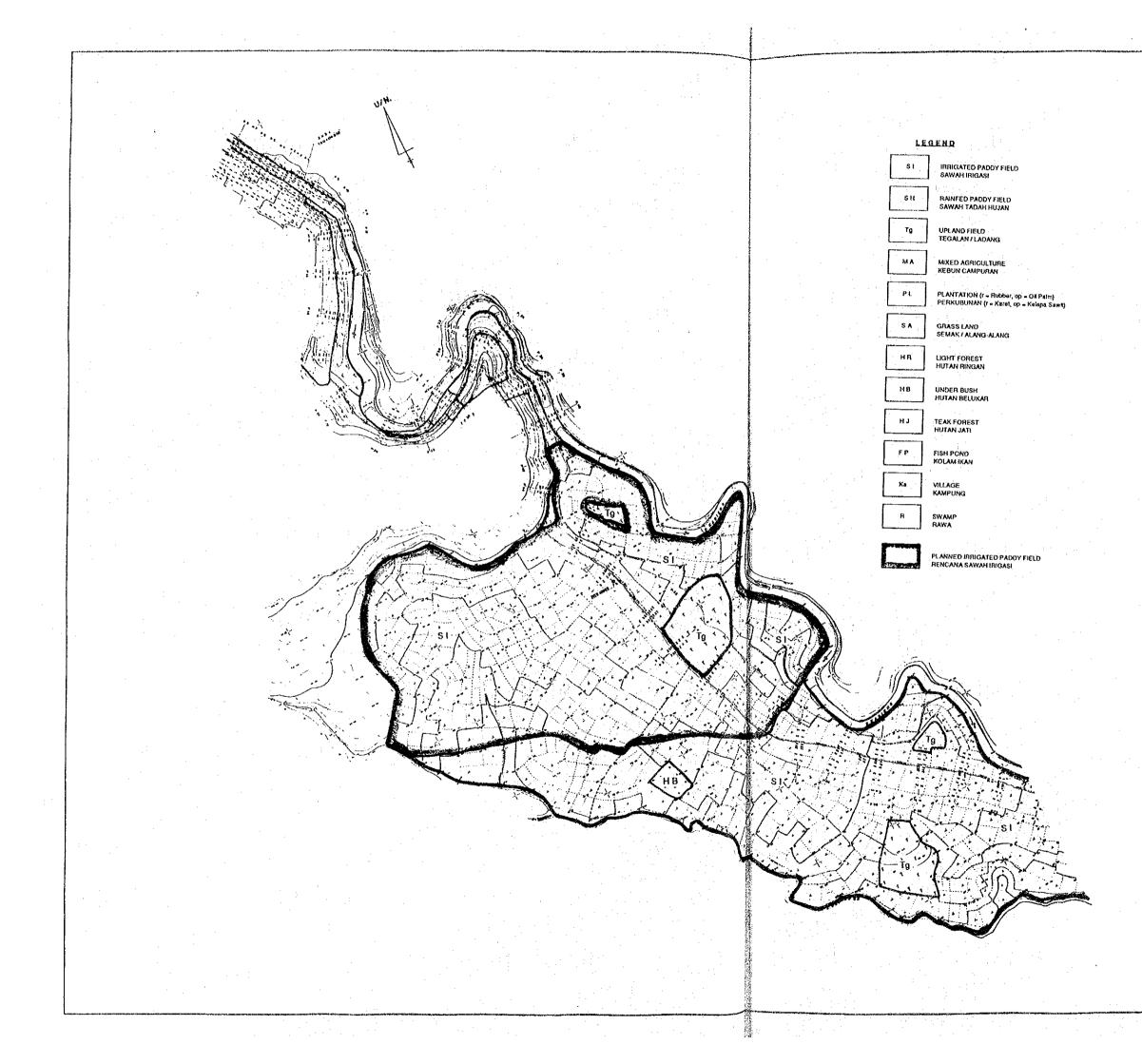
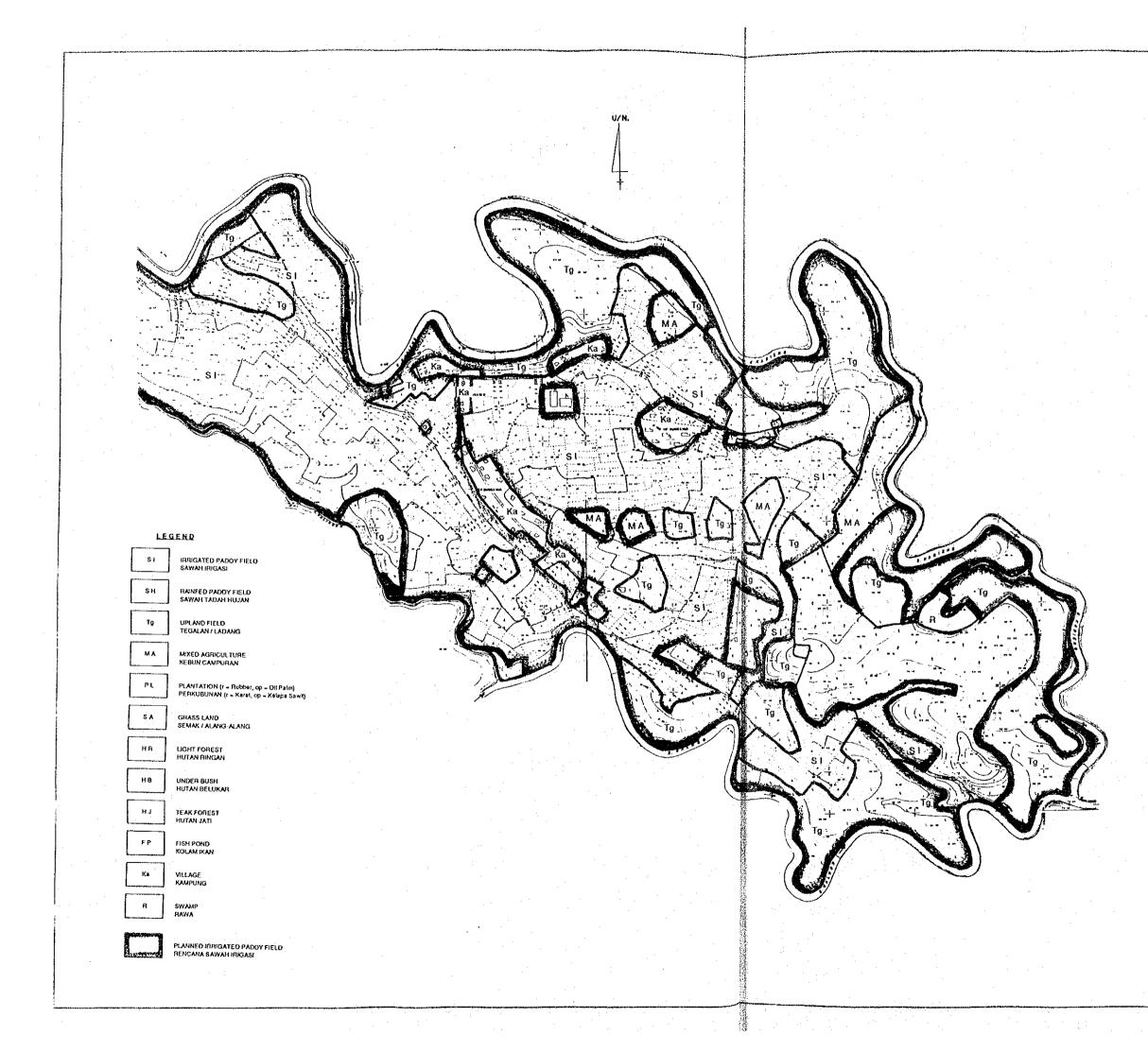


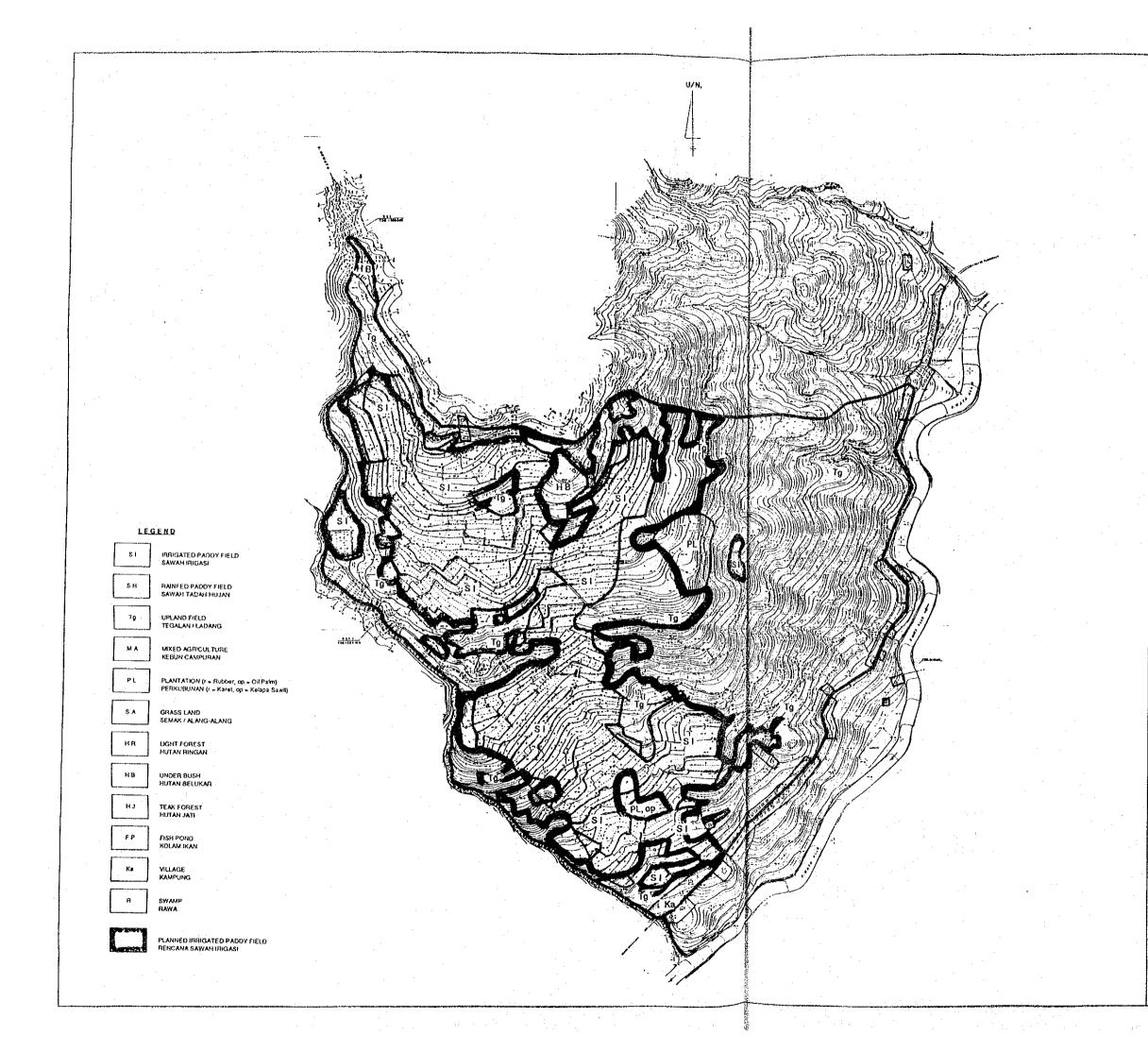
LEGEND LEGENDA Cantaw sine Garla baringgten School Sebasa • Titla pelgipan Masqua Masqua R1. ... 11111 Al ca Held Cuterer Gereng geteng E Penen zelepe L. u.d.a.n.g. T Herticulture d Minee esticulture Xebus computer VI aserpump SCALA / SKALA REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP SCHEME: PALIENGE PROVINCE: BOUTH BULAWESI JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA) оw<u>с no</u> 56



LEGENDA Contour Itaa Barla kotinggian Bahal Travaras pant . L Hetque N C anat-Balucan -Or Pier die entites A a fiele E Cutanus teres Pa han k 'ana L Ban Irrigary facility Hurtheuttern. Tegulan Jälzed apriecitore Kebun sampuran 6 . Weiterpump Fumpt sit SCALE / SKALA REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP PROVINCE: SOUTH BULAWESI SCHEME: KADIENG (1/2) 10wg. Ng. 57 JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA)

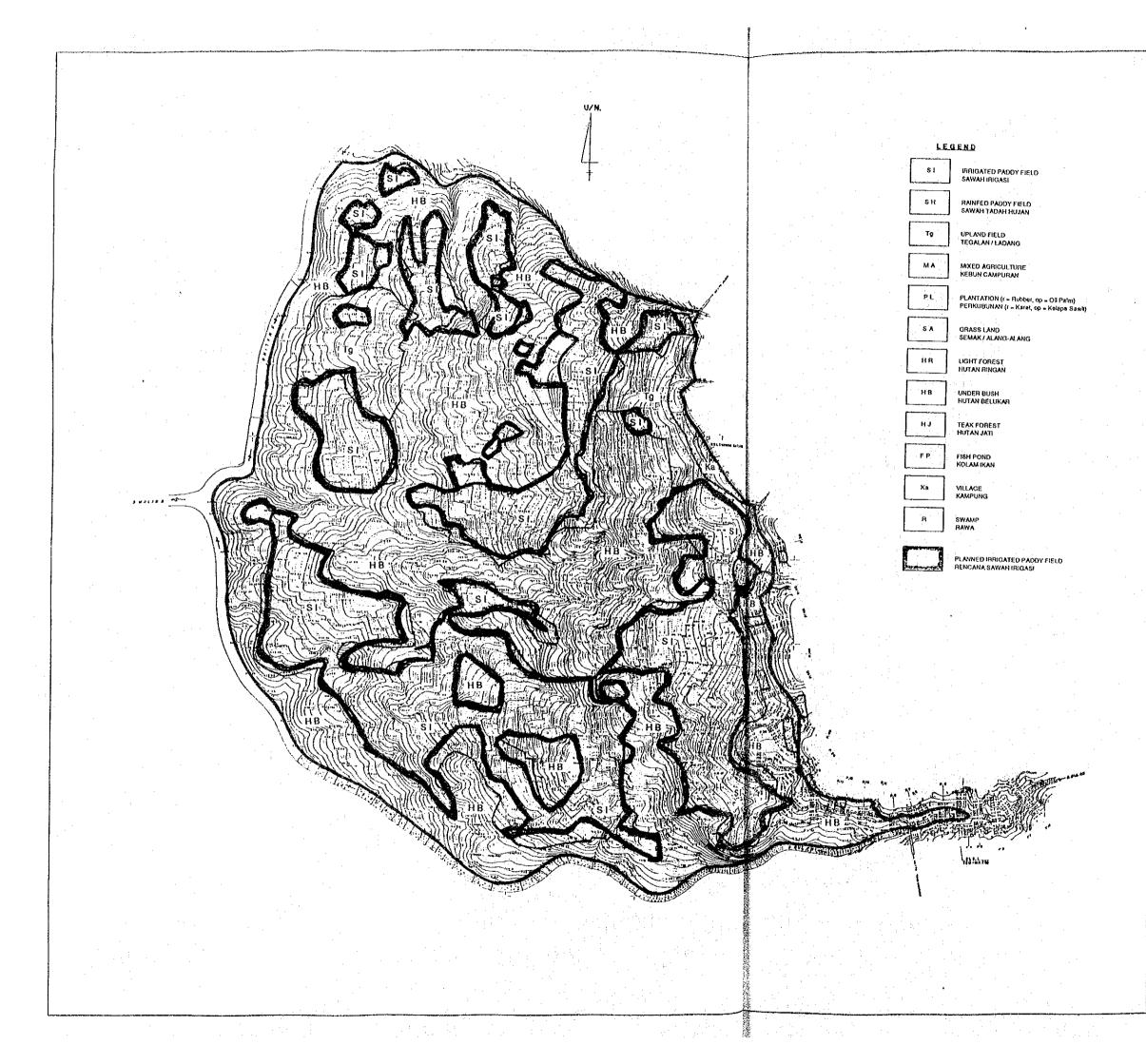


LEGENDA LEGENDA Cantour Ites Garra kar-nggion $\partial \mathbb{W}$ lii Schael 34kolon Tararar pana Koague Canal (11') 11'11 Al a s liela 6 Ponte teres L Non lerigated decades T Tegutan d Hisrd agrieutiura Waterpung Penga alt SCALE / SKALA C 100 200 REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP PROVINCE: SOUTH SULAWESI SCHEME: KADIENG (2/2) JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA) DWG. NO. 58



LE GEND LEGENDA Gantaur line . Barls kellingstan School Jekelah • Travers peal Hosque Hosque A LIEF ------ Cenal Saluran [II]II] Marathur Gulvert Gurens serens E Coconut Stras L Ban brigetes farming T Herbiculiure d d Mixed agrinuture Kobus sempuras Weterpump Pamps dir

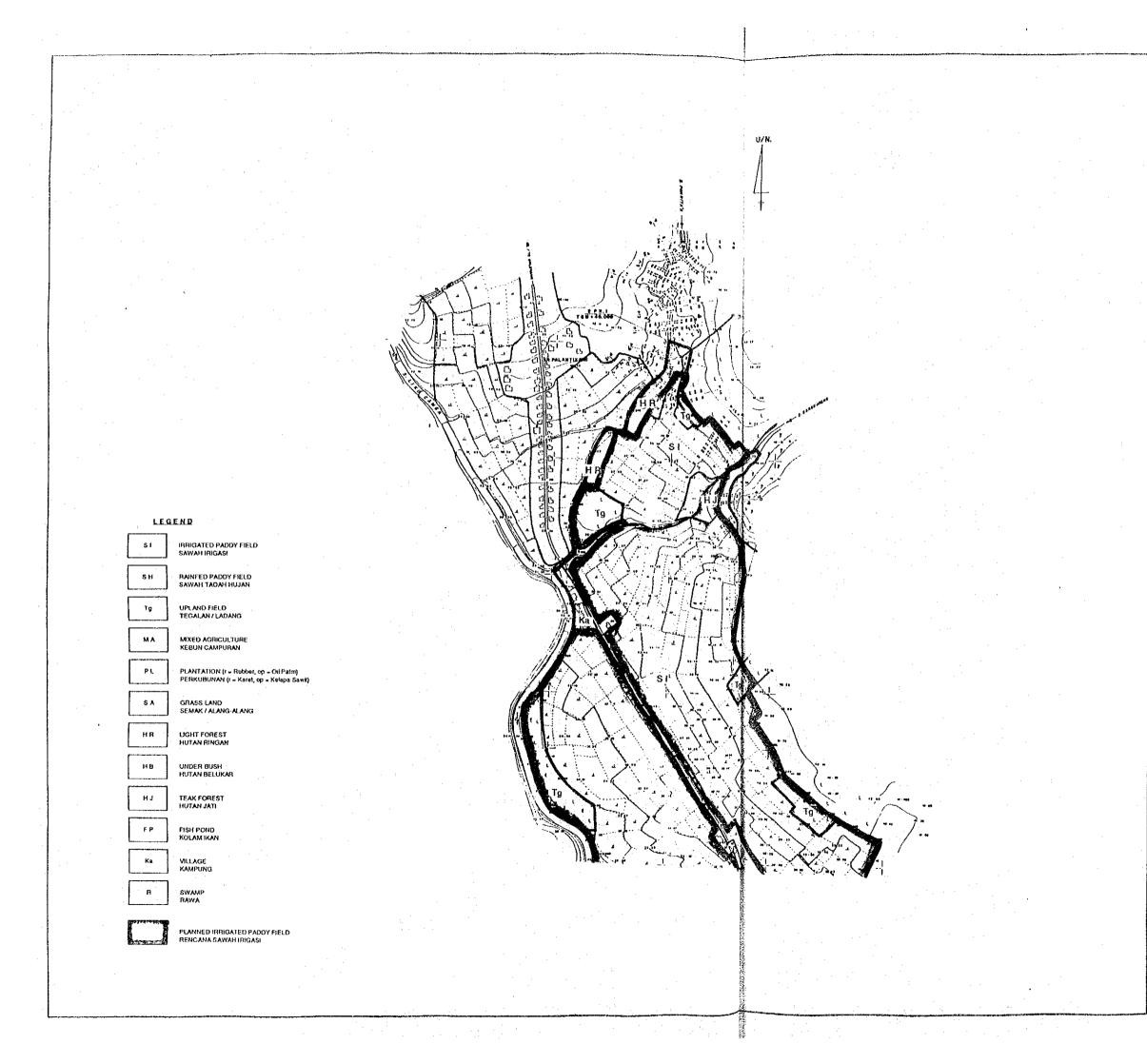
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	00 300 409	
REPUBLIC OF INDONE DIRECTORATE GENERAL		
FEASIBILITY STUDY OF	LAND DEVELOPM	ENT PROJECT
IMPROVEMENT OF L	AND AND IRRIGATIC	IN SYSTEMS
LAND	USE MAP	
SCHEME: KAINDI	PROVINCE: SO	JTH SULAWESI
JAPAN INTERNATIONAL COO FORYO (JIC		оwа. но. 59



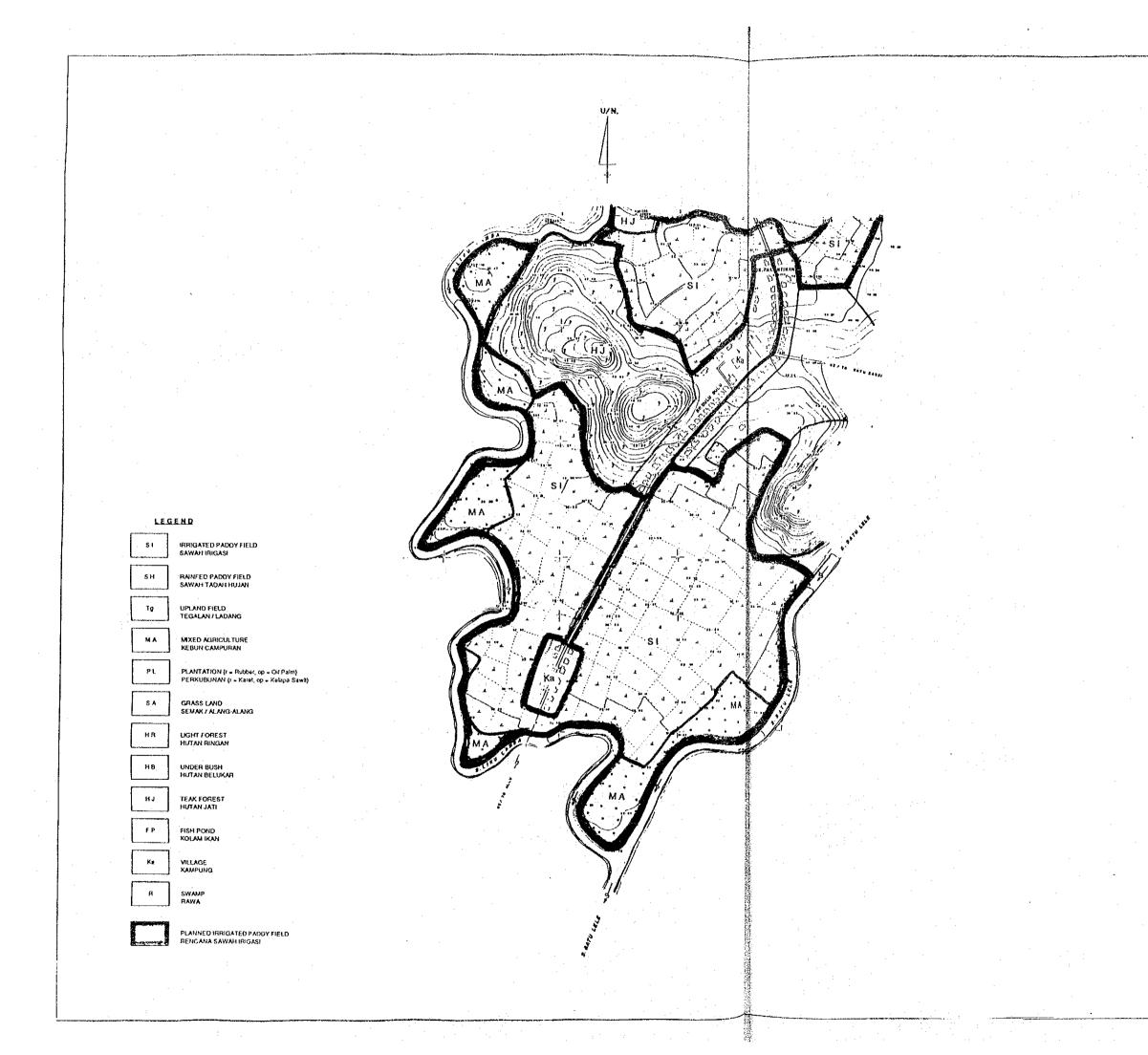
LEGENDA Contaur fina Getti Latinggian Seheal Seheal . Troverte suar Masajia Messie River Bungel ----- C + nul Culvert Gereag E E Gotonut Lifes L Non forigares farming Tesstan т 0 0 Misee agrieutiere Kebun compuren Weterpump Pempa dir

	1
REPUBLIC OF INDONESIA MINISTRY OF AGE DIRECTORATE GENERAL OF FOOD CROPS AG	
FEASIBILITY STUDY OF LAND DEVELOPME	NT PROJECT
IMPROVEMENT OF LAND AND IRRIGATIO AT FARM LEVEL	N SYSTEMS
LAND USE MAP	
SCHEME': LEMBANG BATA PROVINCE: SOU	TH BULAWERI
JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA)	DWG NO.

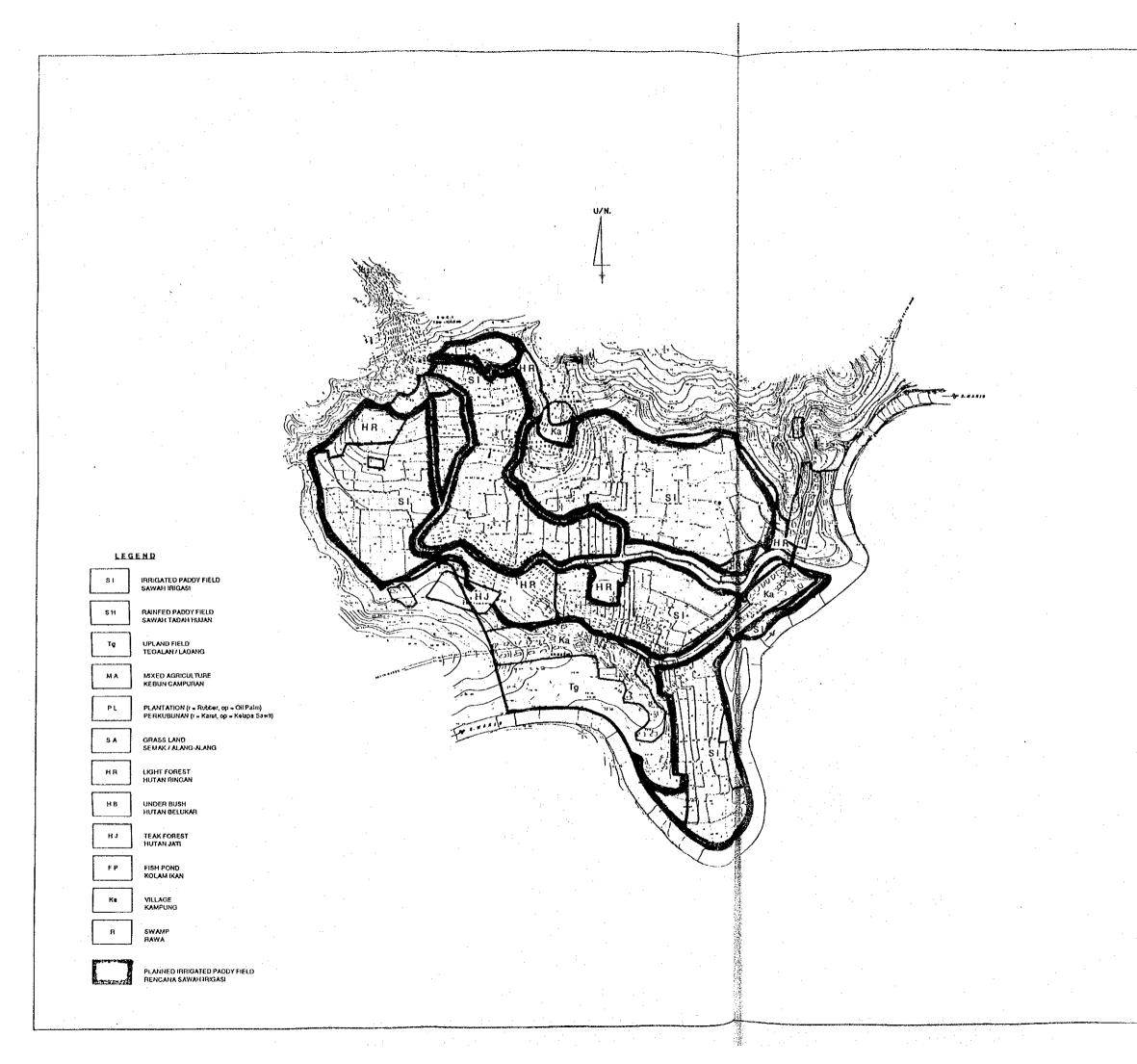
SCALE / SKALA



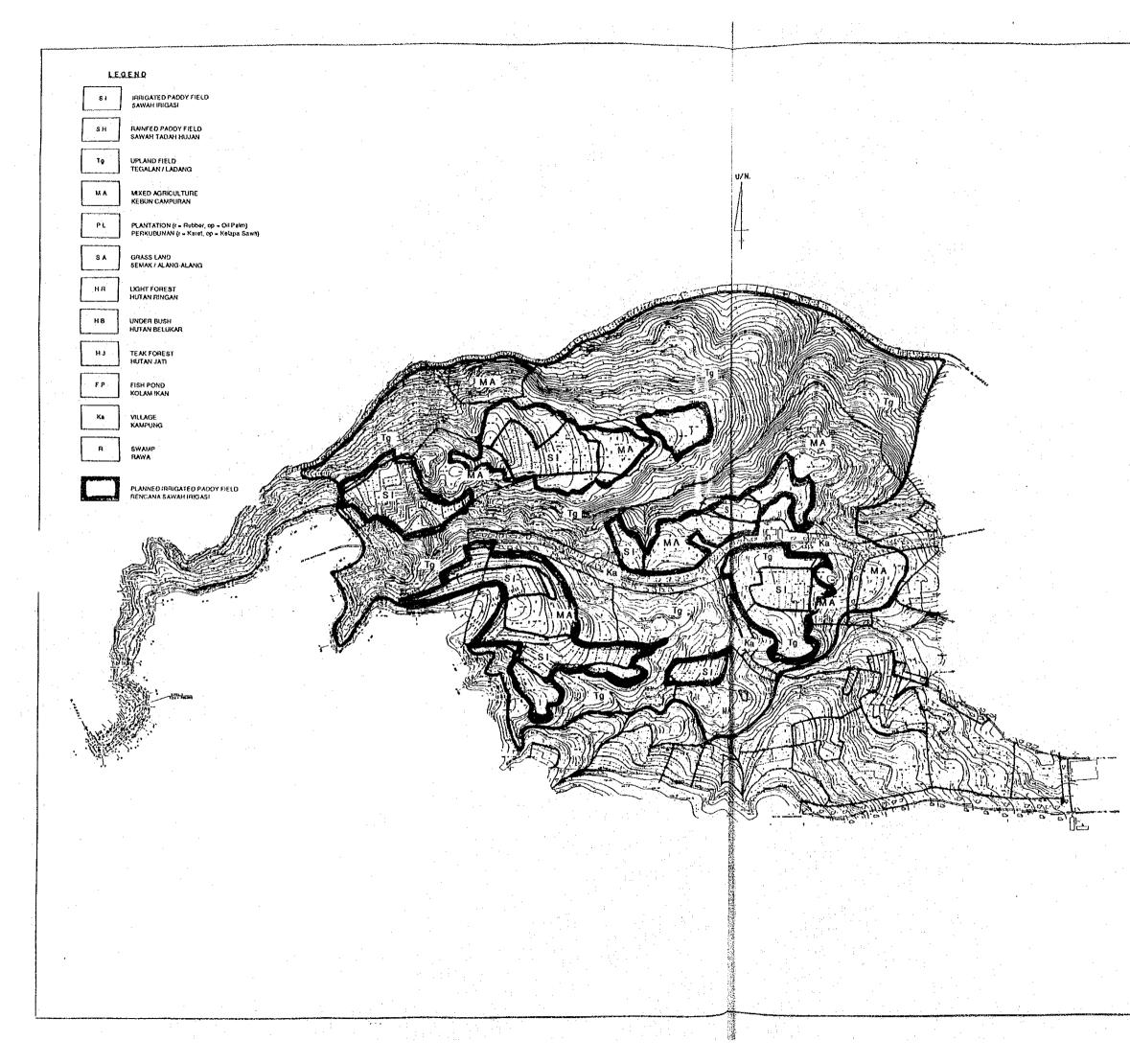
LEGEND LEGENDA Gentaur IIns Ödris Leiinggian 3+kelak Traverst past Tills palygeen • =] H +vr+ N 1141 - Canal Flaw eir antion Taria Been Here Gulvses Gareng garang Coconul Irres Pe hen kelepå L Man Brighted Isrning T Haraiquitare d Mised agrizulture Kesun campuren B Waterpump Pampa air SCALE / SKALA 0 100 200 REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP PROVINCE: SOUTH SULAWER SCHEME : PANRITA (1/2) JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA) DWG. NO. 61



LEGEND LEGENDA Gantaur tina Garta Saburgian 54heel Titlb peirgem . • Hereite River Tunter C snal [11]11] Rice date Culvert Berene gerane 6. Coconut trres L Han Helpated forming T Tapalga d d Mizze agriautturs Waterpung Pempa alt SCALE / SKALA 0 100 200 100 Sec. Sec. 1 1 500000000000 REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP SCHEME : PANRITA (2/2) PROVINCE: SOUTH SULAWESI DWG. NO. 62 JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA)



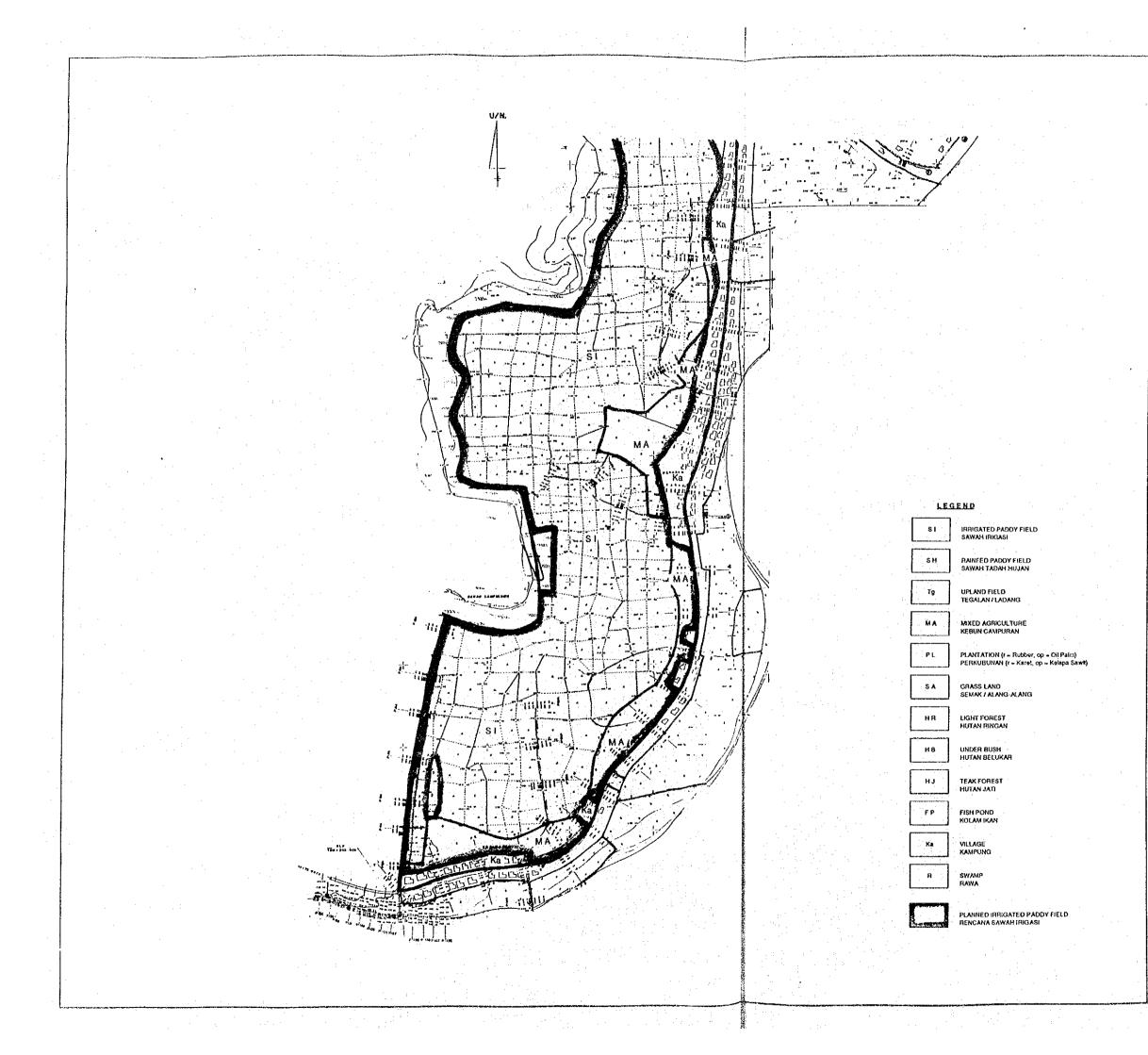
<u>LEGEND</u> LEGENDA Conteur line Corts setingtion Seneel Sevelen Traverse peint Tfalb petygens • Mesque Mesjie Ne Birte Tion direstien Tariatia Alex dele Culvert Berang gerang E Codenus Trres Pe ben kelapa Lafant T Horstaulture. d Mixed ogrisulturs Kebun sampusen Veterøump Pampe str SCALE / SKALA 0 100 200 200 100 100 200 REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP PROVINCE: SOUTH BULAWESI SCHEME : MARIO HI-H JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA) OWG. NO. 63



REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT
0 100 200 200 400 100 4
0 100 200 200 400 100-
SCALA / SKALA
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1 Harileuteure Tegalon 0 0 Mizza agriewitere
L L Neet irrigated farming
E Cacany Inco Pebon kologe
Califa ell
[12] [12]] Vera (10)4
Transford parts

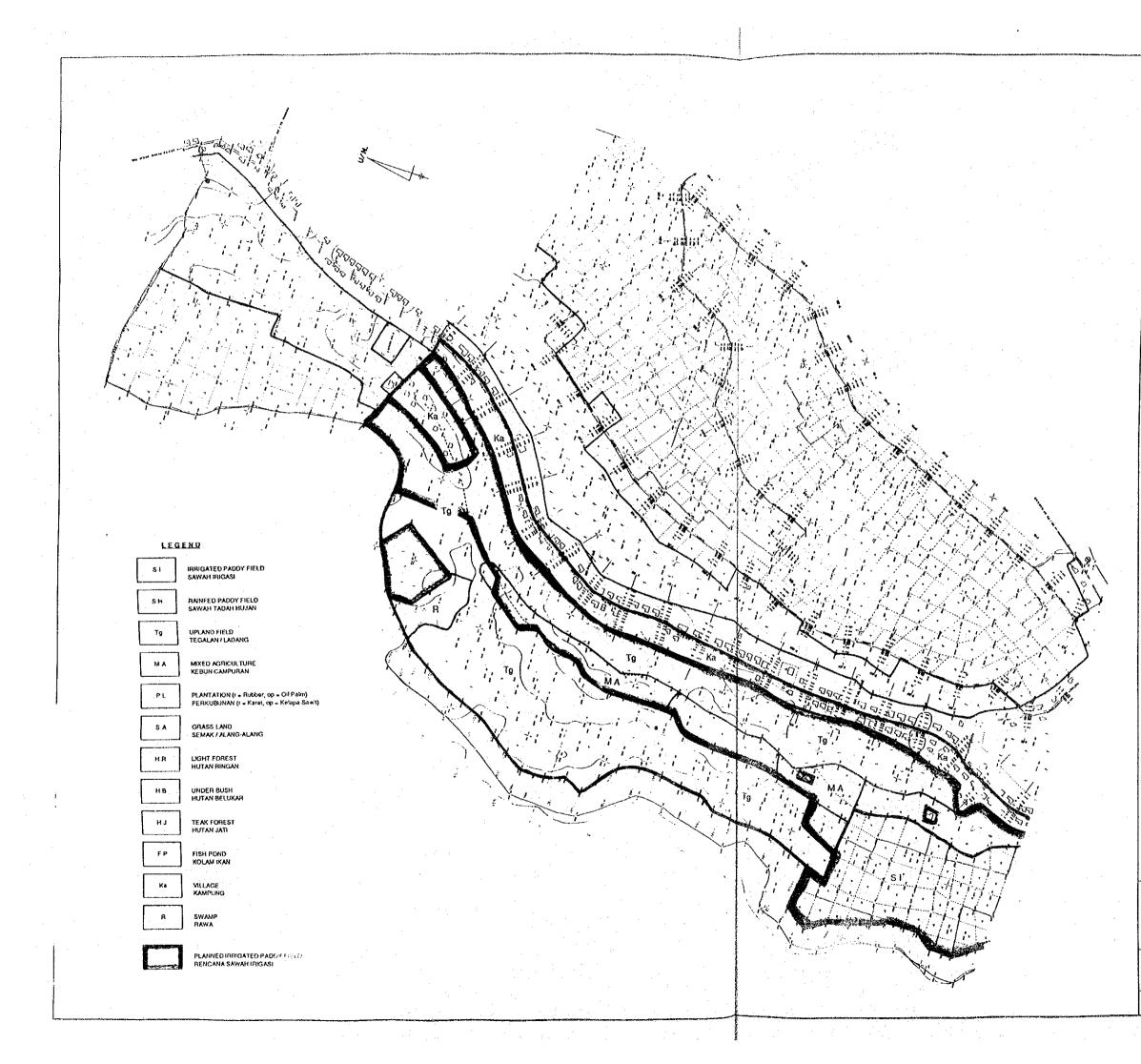
> Consour line Corto koingeida

Sebesi



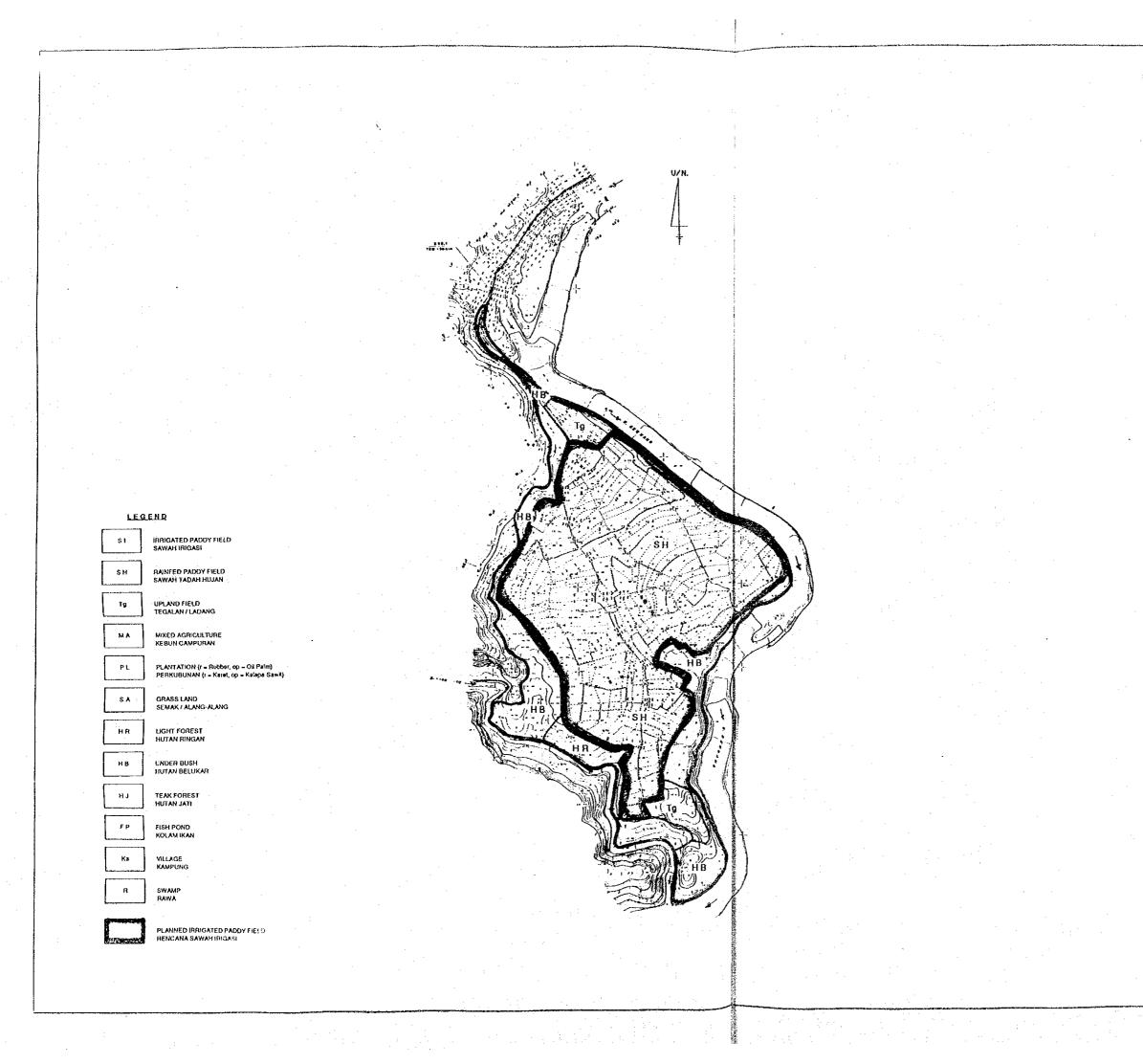
LEGENDA Centaur tine Centa setinggian つ別用 Sehaol Sehaol Traceras pant Tible selygem <u>____</u> Ne River ----- C and I LINE Star Culvert ----t 6 C Coronul trees L L Bun Irrigates farming T Tigaten 0 0 Kises aşrisultura Kobun sampuran Tempa elt

SCALE / SKALA	
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REPUBLIC OF INDONESIA MINISTRY OF AGRIC DIRECTORATE GENERAL OF FOOD CROPS AGRI	CULTURE
FEASIBILITY STUDY OF LAND DEVELOPMEN IMPROVEMENT OF LAND AND IRRIGATION	
AT FARM LEVEL	
LAND USE MAP	
SCHEME: LIMPUA / PADAELO (1/2) PROVINCE: BOUTH	SULAWEBI
JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA)	оwg. No. 65



LEGENDA Centeur line Gerte setunggian 4 Traverse gene H tust Hunth R 1 ver ----- G. 4 A & 1 TTTTTT Cutvert Ostang giraag E E Pahaa kelapa Ladung 1 f Hortleuttura Tegalan ĩ 6 6 Mised apriluiture 6 Kebun tampuran Waterpunp Pampa dir

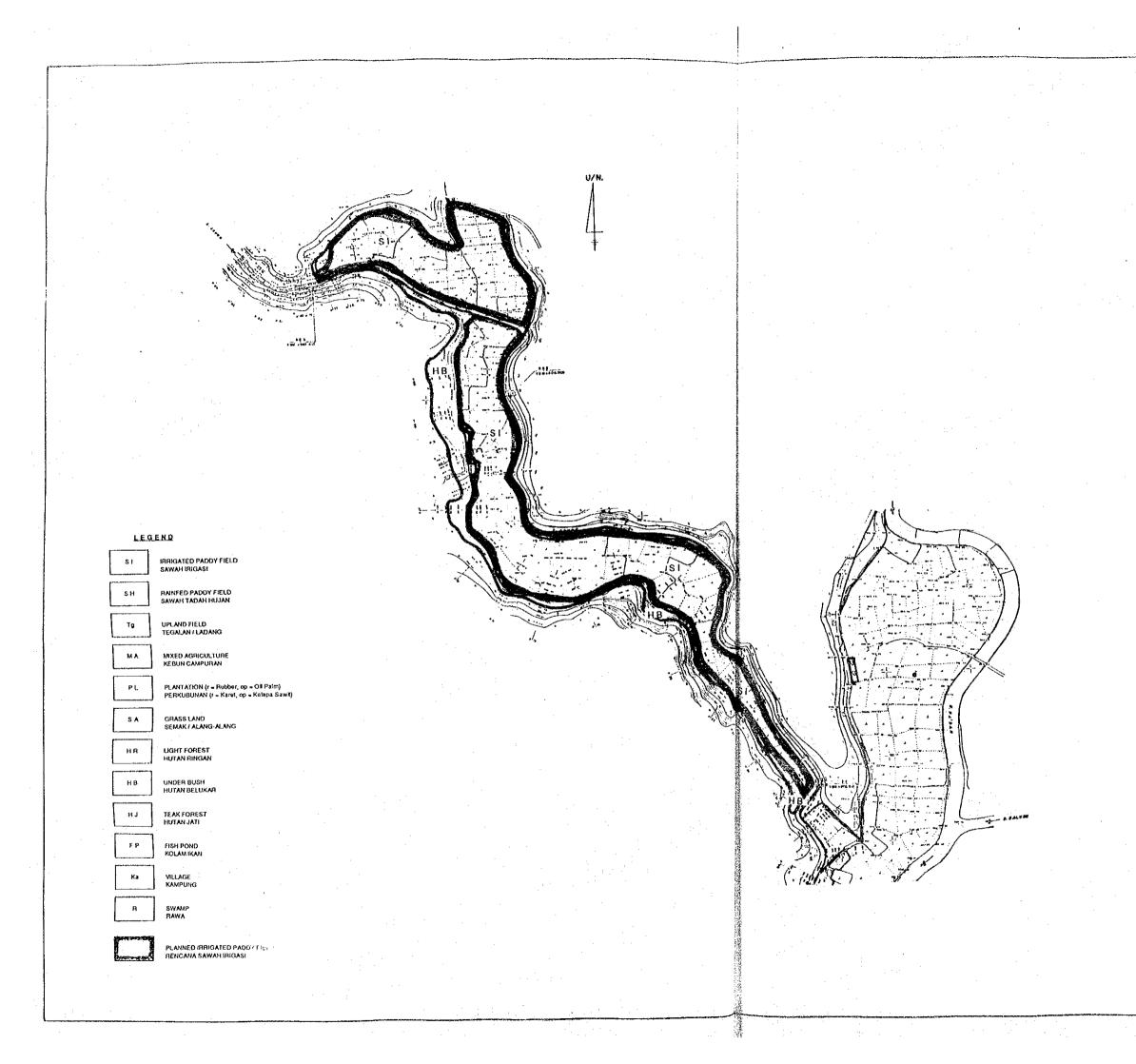
•
SCALE / SKALA
0 100 200 300 400m
REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE Directorate general of food crops agriculture
FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT
IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL
LAND USE MAP
SCHEME: LHAPUA / PADAELO (2/2) PROVINCE: SOUTH &ULAWER
JAPAN INTERNATIONAL COOPERATION AGENCY DWG. NO. TOKYO (JICA) 66



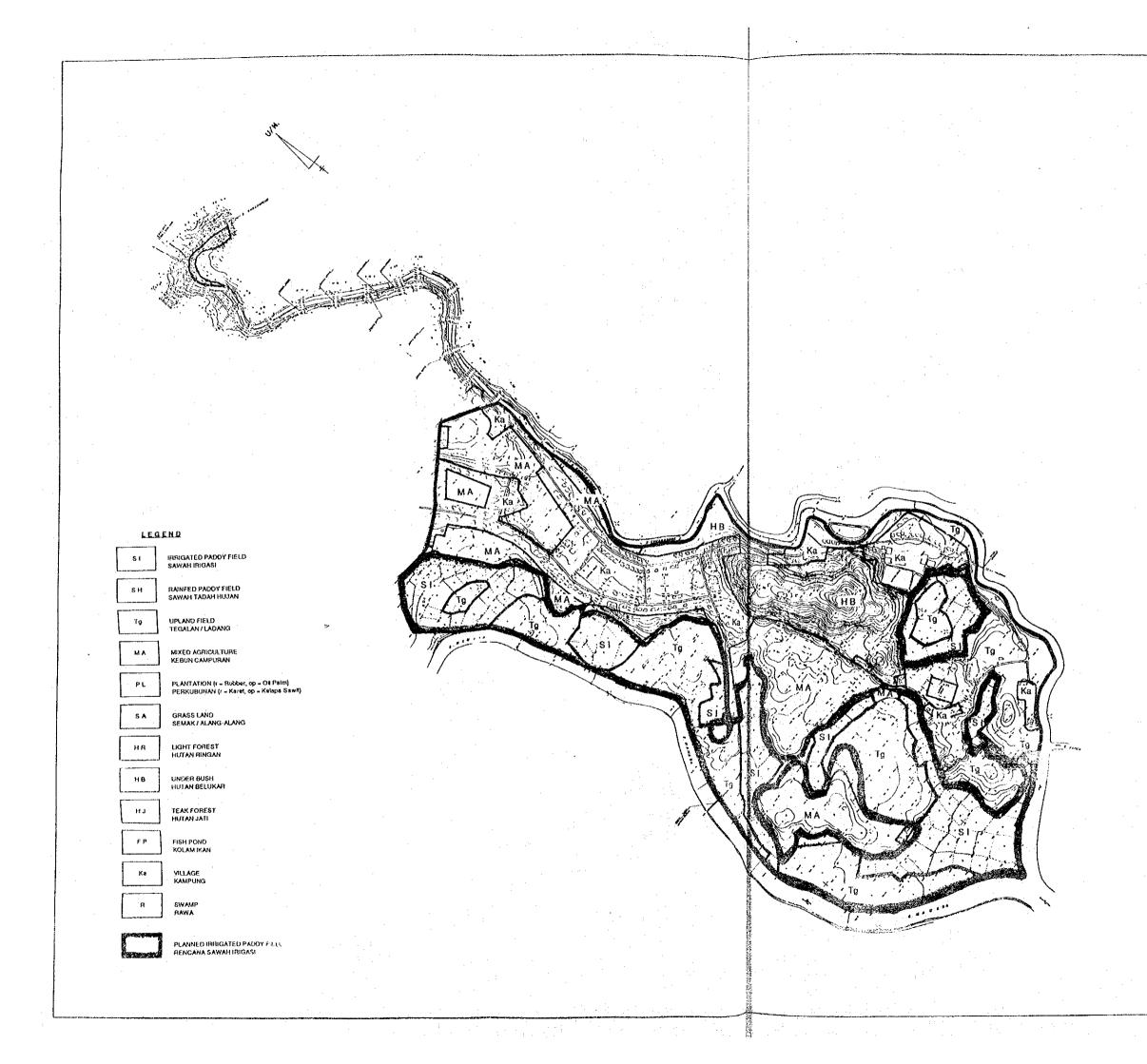
<u>LEGEND</u> LEGENDA

Ganlour line Garla kalingatan Jahyal Sakaleh Titte caray pe al Meegus Messile Riter Sungal ------ <u>C 4 not</u> La an faite tiele Cutrers t E Coconut leres L L Non treigezen terming T Tegeten 6 6 Mizes darieuturs 6 Kebun compures Pamps dir

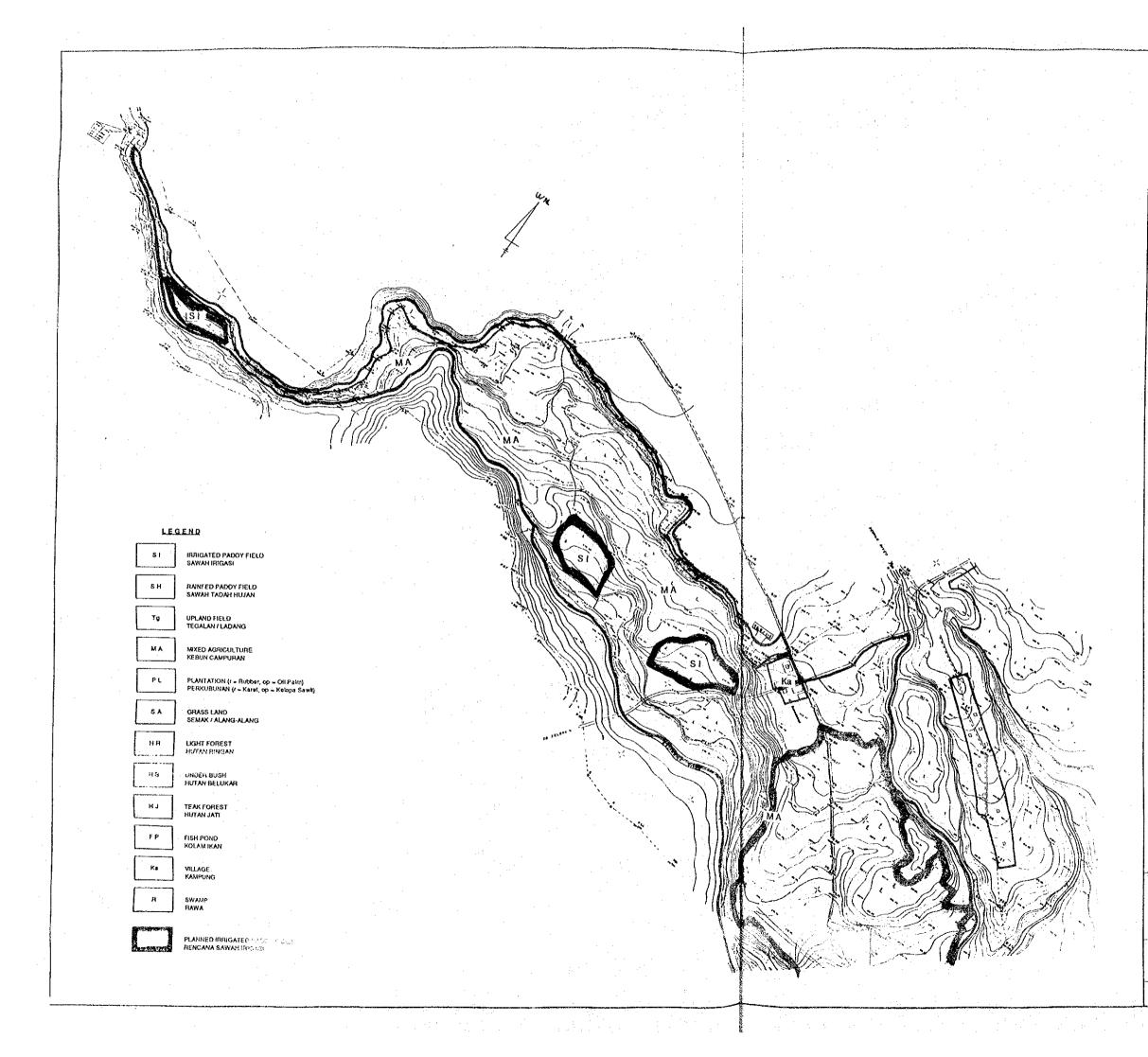
SCALE / SKALA	
2 100 200 200 100 100 100 100 100 100 100 100 100	400 m
REPUBLIC OF INDONESIA MINISTRY OF AG DIRECTORATE GENERAL OF FOOD CROPS AG FEASIBILITY STUDY OF LAND DEVELOPME	GRICULTURE
IMPROVEMENT OF LAND AND IRRIGATIO	
LAND USE MAP	
SCHEME: MALINEU PROVINCE: SOU	ITH GULAWEEI
JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA)	руус. NO. 67



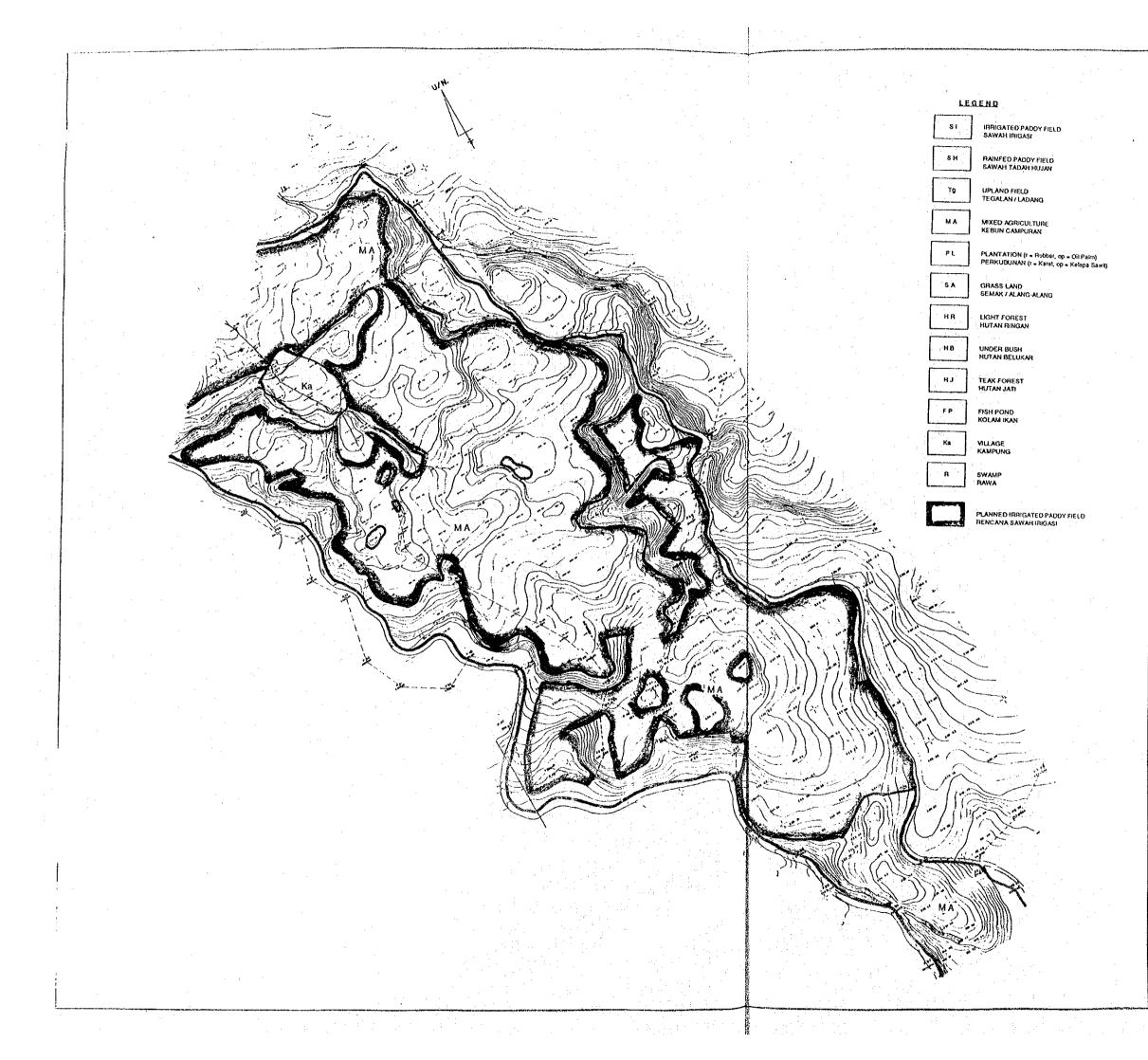
<u>LEGEND</u> LEGENDA Contour Has Garle Estinggion teheel 3+1+lah • Treverse point H.... River Sungel Seluren Cutvert Gereng gereng E Coconut trres E Pohon kolaga L Nun freighted forming Tersien d d Mtues egricultetu d Kebus campures Bartrayma dir SCALE / SKALA REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP PROVINCE: SOUTH SULAWEE SCHEME: BALU AKUNG JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA) OWG. NO. 68



LEGENDA LEGENDA Canteur fine Carls nationgstan 5+haal 3+k+1#h Traverse pains Tittin palyagen . Heague Riser Je Jungal ----- <u>Canul</u> Selurga Guivers Garang E Coconut teres Lacons Teption d Rised agricutture Rebun campueda Weitergamp Pampa alr SCALA / SKALA 0 100 200 200 400 58 59 10 1 1 59 100 10 5.0 REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS LAND USE MAP PROVINCE: SOUTH SULAWEE SCHEME: MARRI рwg. No. 69 JAPAN INTERNATIONAL COOPERATION AGENCY



COORDINATE POINT		PLANTATION BATAS JUBBURAN
TITHE OKAY KOORDENAT		BOUNDARY PLANTATION
O B TITHE OKAT KOORDENAT (X,T) DAN UP SPOT HIGHT		LAWAN PADDE FIELD
D SH BIRCH MAAK		LADANG/KEBUH VPLANG FÆLD
BANGUNAN STRUCTURE		SUAN-BUAHAN Field of Fruit
HOUSING	Ľ	XELAPA COCONUT NELD
CLINICA PEWERINTAHAH		KARET RUBBER FIELD
O KANTOR POLIS	[Y]	LADA PEPPER FIELD
D RANTOR POS POST OFFICE	•8	HUTAN BELUKAR FOREST
	~~	ALANG-ALANG GRASS
STROLAH SCHOOL	\otimes	BOIL PLT
RUMAR BAKIT HOSFITAL		
		ARAH ARUS DISCHARGE DIRECTLY
	[~~]	SUNGAL DAN ANAK SUNGAL River & Trubutary
3/3 CHURCH		SALURAN AIR CANAL
	เกากา	TALVO LEVEE
PUSAT LISTRE TERAGA AIR HEDRO POWER STATION		HENDUNGAN Keir
PASAR HARKET		PUNTU AIR GATE WEIR
TEMPAT POMPA AIR WATER PUMP STATION		
JALAN		RAWA Swap
		RELIEF
		CONFOUR
		NOEKS OARIS SAMA TUNGOI UNDEX CONTOUR
JALAN SEDANG DEANGUN UNDER CONSTRUCTION ROAD	Ę	CEUF OR ESCARPENT
BAGUN JALAN GALLAN	1993	SUBUR CURAN
LLLLL BAGUN JALAN TENBUNAH	\Box	GARIE BAMA TINGOI DEFRESI
		TESHIG ELEBATU
JEWEATAN RANEU RANEOO BRIDDE	225	
SCHOHO-GCROND PENSUANG	শ্বহ	LEASING TENSION
SCALE /	SKALA	
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REPUBLIC OF INCONESIA N	INISTRY OF	AGRICULTURE
DIRECTORATE GENERAL OF	FOOD CROP	S AGRICULTURE
IMPROVEMENT OF LAND		
AT FARM	LEVEL	
LAND USE		11-007 10 (D 1 TRAID 0 194
SCHEME : DANAR JENGKANO (1/3)		DWG. NO.
JAPAN INTERNATIONAL COOPERA TOKYO (JICA)	HON AGEN	70

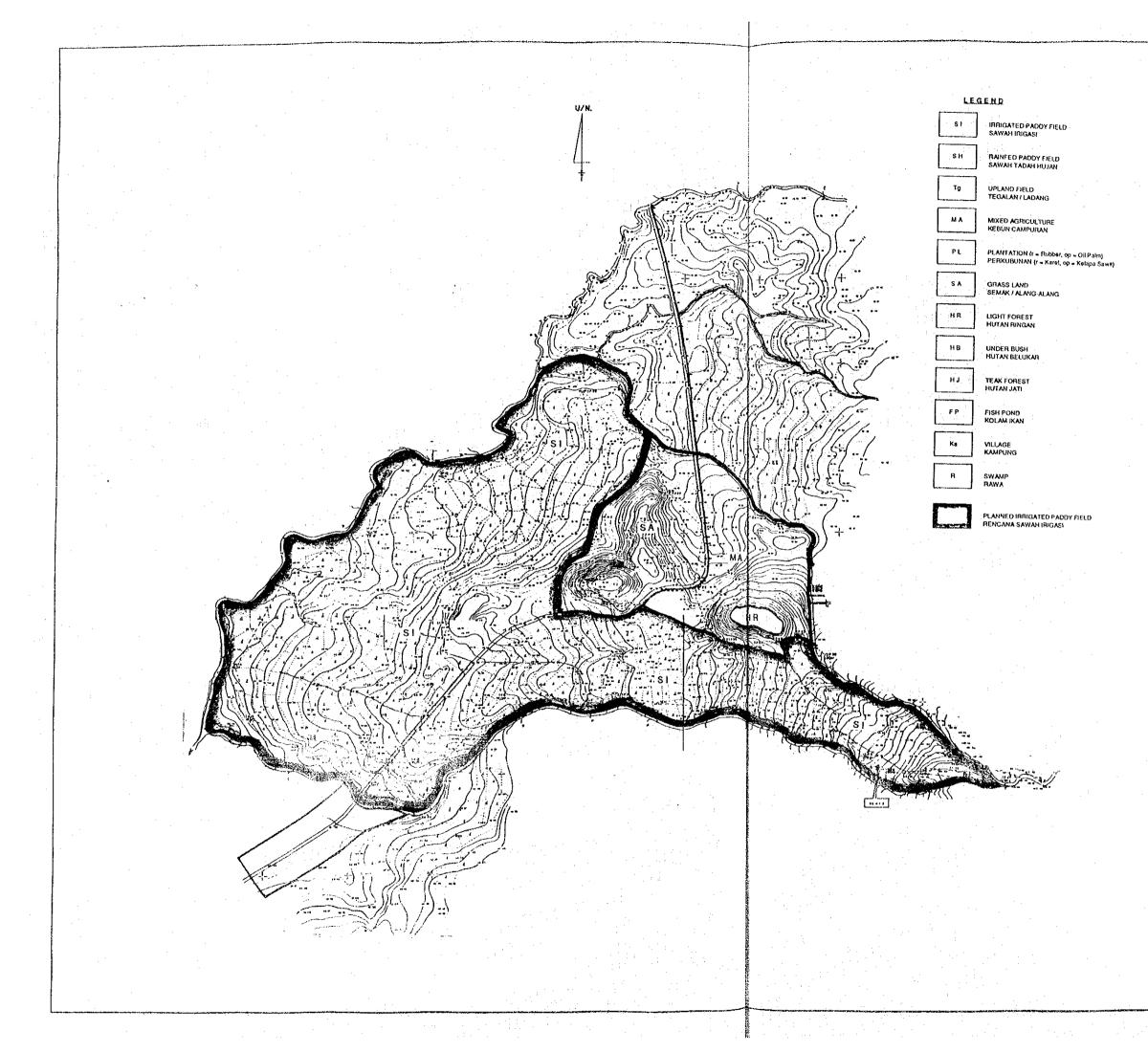


HIM IKAT KOORDIKAI {X,Y} OAN IP SPOT NEICHT 0. ш SAWAR FAODT FIELD ւՆ 0 14 THEN A CHINOGIAN LADANG/KEBUH UPLAND PHELD 88 BUÀH-BUAHAN FIELD OF FAUIT BANGUNAN STRUCTURE Ł KELAFA GOCONUT FIELD 2 NUWAH HOUSING I 1 KANCT Runten field KANTOR PENERINTAKAN ROVERHMENT OFFICE Y LADA PEPPER FIELD 0 NANIOA POUSE ** RUTAN BELUKAR 0 KANIOR POS POST OFFICE ALANG-ALANG Grais ∛~ 6 101L PIT \otimes SEXOLAH SCHOOL PERAIRAN ٢ RUNAH SARIT محمد ARAH ARUS DISCHARGE DIRECTLY 3 MASIND NOSOUE 1 SUNCAE DAM ANAX SUNDAL Rever & trefutary 9/9 SERE JA/KELEHTENG SALURAN AIR CANAL **.** PARRIX การกา TACUD PUSAT LISTRIK TEHAGA AIR NIDRO FORER STATION * BEHDUNGAN WEIR 1—'1 = PASAR 0----0 PORTU AUR GATE WEIR Φ TEMPAT POWPA AIR WATER PUWP STATION HII RAWA Swap JALAN > 24LAN > 2 m RELIEF GARIS SAMA THEOSE CONTOUR \sim ALLAN 1 - 1 m NOEKS GARIS SAMA TINGGI JALAN SETAPAK JETTY ROAD ___ -----::::: UNDER CONSTRUCTION ROAD t. € CENT OR ESCARPENT 811189 61.1.61 BACUN JALAH GALLAN 15.55 SUSUR CURAM BAGAN JALAH THEFT G GARIS SAMA TONOCI DEPRESI $\stackrel{\sim}{\sim}$ JENSATAN BATU/BESH STONE/STEEL SHIDGE × TERIKO BERBATU <u>ب___</u> SENEATAN RAMEU RAMEO BRIDGE AF H. LERENG TERENGE CORONG-GORONG PENBUANG SEWERAGE CULVERT SCALE / SKALA 194 200 REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP PROVINCE WEST NUSA TENGGARA SCHEME : DANAR JENGKANG (2/2) DWG. NO. JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA) 71

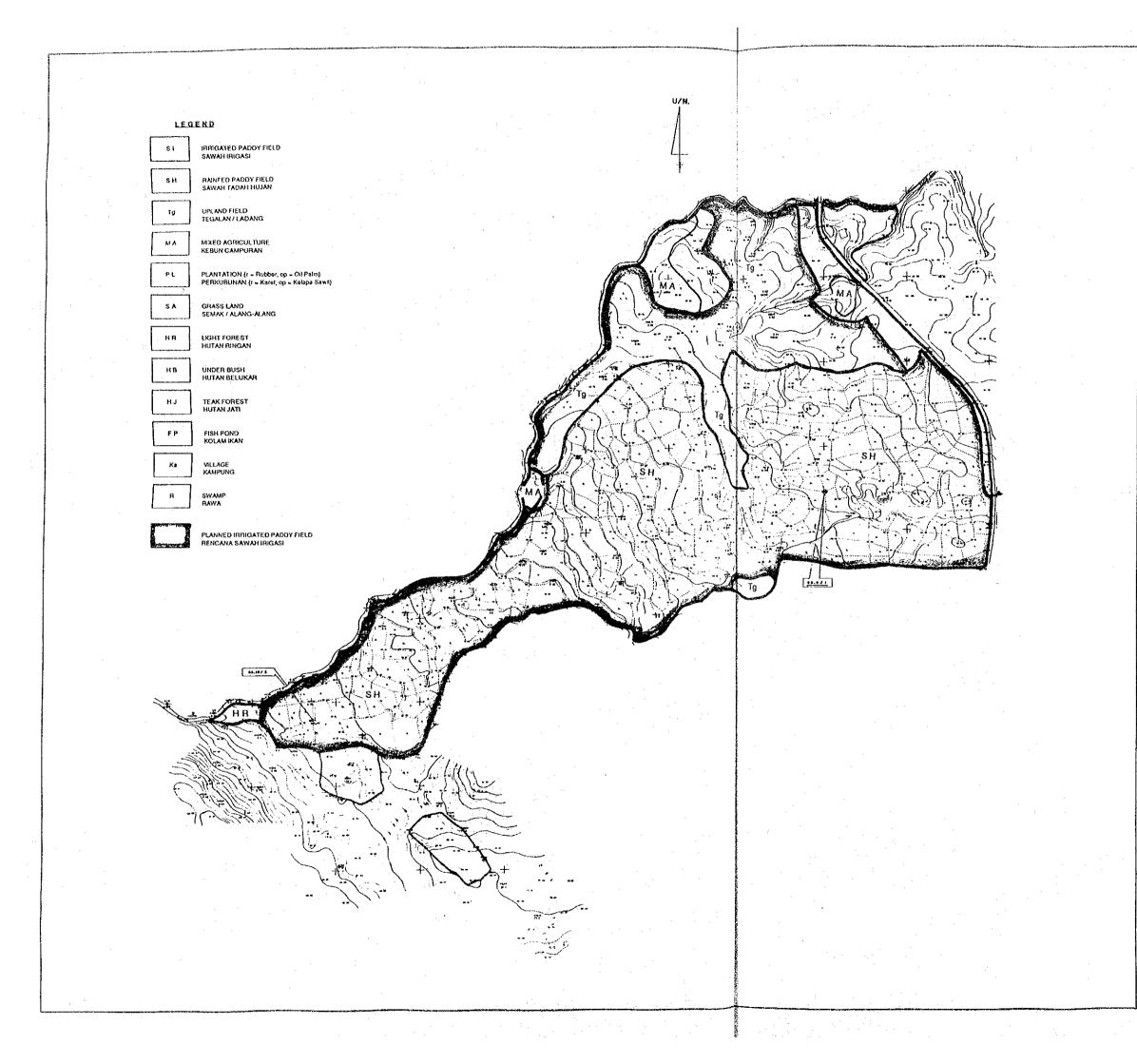
PLANTATION

EATAS THEBUALA BOUNDARY PLANTATION

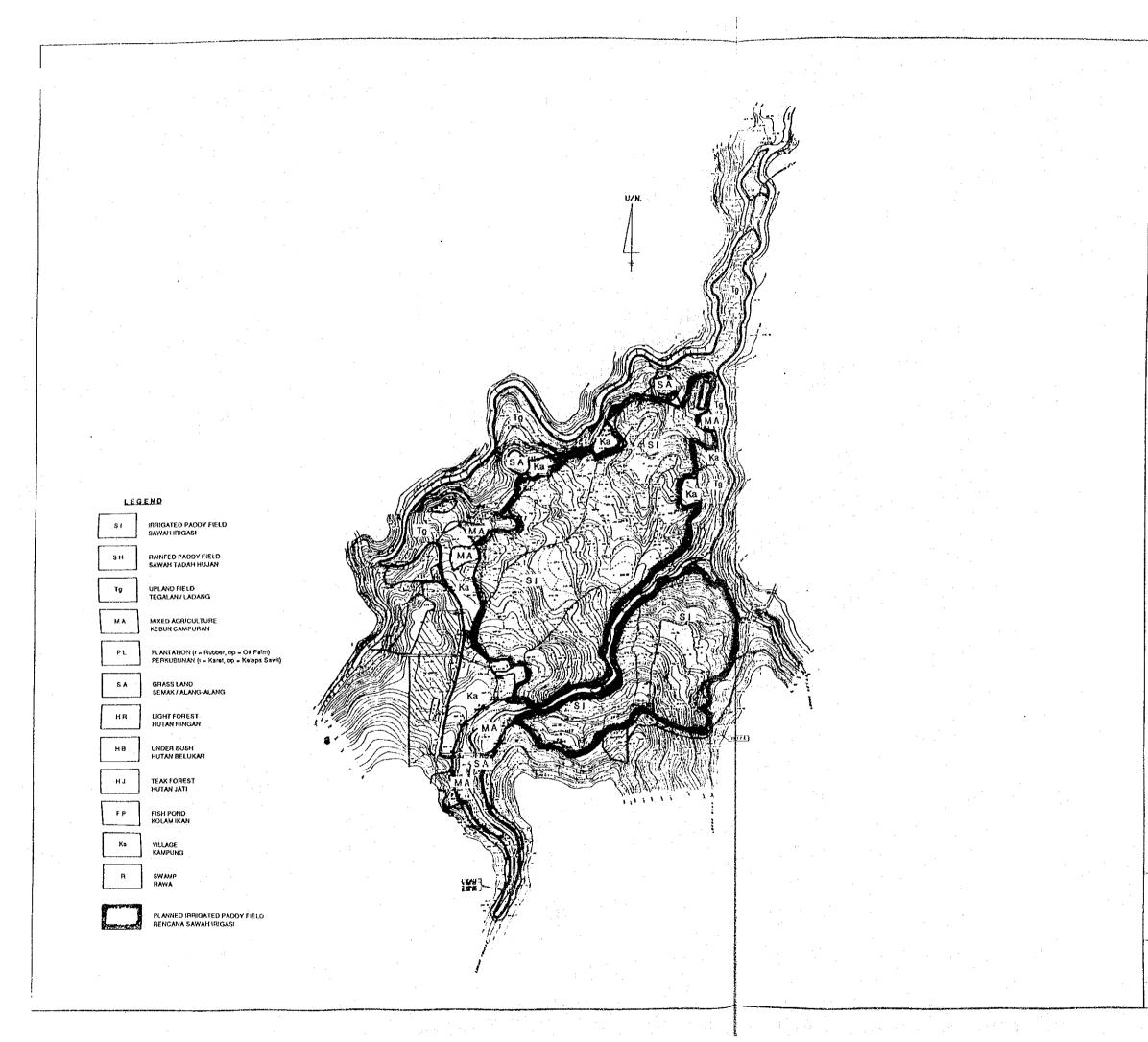
COORDINATE POINT



COORDINATE	тию тию	PLANTATION
The start was another	. []	BATAS TIMBURAN BOUNDARY PLANTATION
O . (1,1) DAN 14 2701 HEIGHT	'. <u>[</u>	JAWAH PADDY FIELD
D TH BENCH MAAX		LIDING/KENUN UPLUND MELD
BANGUNAN		SUAN-BUANAN Filld of Fruit
	E E	KELAPA COCONUT FIELD
Нолгие		KAR() Ruseck field
KANIOR PENERINTAHA		RUBECK FIELD
O RANTOR POLISE POLICE OFFICE		PEPPER FILLO
D RANTOR POS	°8°	HUTAN BELUKAR Forest
(32	ALAHG-ALANG GRASS
STROLLY SCHOOL	8	SOIL PLY
AUMAR SAKIT HOSPIFAL	×~+)	PERAIRAN ARAN ARUS DISCHARGE DIRECTLY
		DISCHARGE DIRECTLY SUNGAI DAN ANAX SUNGAL RIVER & TRIBUTANT
BAD GERETA/XELENTENG		SALURAN AIR CANAL
	لـــــا ۲	
ZUSAT LISTER	(TTTEN)	TALUD LEVEE
TENAGA JAR HIGRO FOWER STATION	<u>f-1</u>	ACHDUNGAN Weir
IEMPAT POMPA AIR WAILER PUMP STATION	00	PINEU AIR Gase Weir
JALAN		Хмар
JALAH > 2 m		RELIEF
I KLIAL I m		GARIS SAMA TINGGI CONTOUR
JALAH SETAPAK JETTY ROAD		INDER'S GARIS SAMA TINGGI INDER CONTOUR
JALAN SEDANG OFBANG	N ROAD	CEIFF OR ESCARPENT
TITTE BLOWN JALAN CALLAN	154	SUSUR CURAN
		GARIS BAMA TUNGCI DEFRESI
JENBATAN BATU/BEBI		TEBING BEREATU
JEMBATAN BAMBU BANBQO BRIDGE	्र	
SEWERAGE CULVERT	uuno TF	
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	- 1. ¹⁹¹	:
REPUBLIC OF INDONE		
DIRECTORATE GENERAL		
FEASIBILITY STUDY OF		
	AND AND INAN	
LANI	USE MAP	
CHEME MADA MANN	PROVINCE	WEST NUSA TENOGARA
		CY DWG. NO.
JAPAN INTERNATIONAL CO TOKYO (JI	OFERADOR AUCH	1 1 - 1



				ĺ.
	COORDINATE POINT	[]	PLANTATION	
	THE REP ECONOMICS	<u> </u>	BATAS TIMBUKUN Buundary Plantation	
	TITIK IKAT KOORDINAT (X,Y) DAN UP 1POL HEIGHT		PADDY FIELD	
	TITIK KETINGGLAM Bench Mark		LIOANG/KEBUN UPLANG FIELD	
	BANGUNAN Structure	69	BUAH-BUAHAN FIELD OF FRUIT	
	XUMAH Housing		COCONVI TIEFO XEFYAY	
۲,	KANTOR PENERINTAHAN GOVERNMENT OFFICE	<u>L</u>	XAACT AUBBER FICLD	
6	KANTOR POLISI POLICE OFFICE	Y.	LADA PEPPER FIELD	
6	KANTON POS Post office	•	HUTAN BELUKAR FOREST	
السمي	, our orner	¥~	ALAHQ-ALANG Srass	ł
б	SEXOLAN SCHOOL	\otimes	701L PIT	
6	RUMAH SASIT HOSPIFAL	·	PERAIRAN	1
[J]	WASHD		ARAH ARUS DISCHARGE DIRECTLY	•
	HOSQUE GEREJA/RELENTEND	1	SUNGAI DAN ANAK SUNGAI Riyer & Tribuzary	
6/6	CHURCH	~~~~	SALURAN AJR CANAL	
	PARKK FACTORY PUSAT LISTER	נוויניון	TALEO LEVEL	
	TENAGA UR HEGRO POWER STATION	<i>i</i> -1	BENDUHGAN WEIR	
	PASAR WARKET	00	PINTU AIA CATE WEIX	
•	TEMPAT POMPA AM WATER PUMP STATION	i	CATE WEIR	
	JALAN JAUN > 1 m	1111	2445	
	/1LXX 1 - 1 m		RELIEF CARIS SAMA TINOGI CONTOUR	
			NOTEKS GARIS SAMA TINGGI INDEX CONTOUR	
	JALAH SETAPAK Jetty Roag		INDEX CONTOUR	
	JALAN SEDANG DIBANGUN UNDER CONSTRUCTION KOAD	the fill	CEIFF OR ESCARPENT	
विस्टर्ग	BYCHN TYTYN CYTHN	THE R.	SUSUR CURAN	
	BATCH JALAN TEMBUTUH	\bigcirc	GARIS BAMA THEOR DEPRES	
\sim	JENBATAN BATU/BESH SIONE/STEEL SHOGE			
	JENEATAN BAMBU Bamboo Bridge	[***]	ILENG BERBAIU	
	GORONG-GORONG PENSUANG Stwirage Culvirt	[4]E]	LERENG TEREROSI	
	1 .			
	. SCALE	/ SKALA		
	0 :30 ; 1995 : 1993 : 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	100 10 100-10		
	- <u>-</u>			
	UBLIC OF INDONESIA			
	CTORATE GENERAL OF			
	ROVEMENT OF LAND			
	AT FARM	LEVEL		
	LAND USE			
	MA LEBANG		WEST NUSA TENGGARA	
JAPAN I	NTERNATIONAL COOPER TOKYO (JICA)	ATION AGEN	CY OWG. NO.	[



<u>LEGENDA</u> LEGEND COORDINATE POINT PLANTATION BATAS EMBURAN BOUNDART PLANTATION THE WAT ROO (X,Y) DAN 12 SPOT HEIGHT 0. SAWAH PAODT FIELD Ц BILK XERNOGIAN ĽĿ 0 • LADANG/XEBUN 69 NVAH-BUAHAN FIELD OF FRUIT BANGUNAN STRUCTURE Ł KELAPA COCONUE FIELD 0 HOUSING ٩. I KARET RUBBER FIELD KANTOR PENERINTANAN GOVERNMENT OFFICE Ϋ́ LADA PEPPER FISLO 0 KANIOR POLISI POLICE OFFICE •0 HUTAH BELUKAR Forest 6 KANTOR POS ALANG-ALANG GRASS 12 5 101L P17 8 SEKOLAR SCHOOL PERAIRAN í₫ RUWAH SAKIT HOSPITAL ~~ ARADE ARUS DISCHARGE DIRECTLY 6 NASHD NOSQUE 1 SUNGAI DAN ANAK SUNGAI Refer & Tributany 9/9 GEREJA/XELENTENG CHURCH SALURAN AN CAHAL Ŷ PARRIX FACTORT errer TALUD 芬 PUSAT USTRIK TENAGA AIR HTDRO POWER STATION <u>1</u> BENDUNGAN WEIR PASAR WARKET ZINTU AIR GATE WER :o----o Ð TEWPAT POMPA AIR WATER PUMP STATION <u>к</u>лжа 5 млр JALAN $\overline{}$ 3403N > 2 m RELIEF GARIS SAMA THOOL CONTOUR _____ JAJAN 1 - 2 m $\sim \sim$ INDEKS GARIS SAMA TINGGI INDEX CONTOUR JALAN SETAPAK JETET ROAD ----------JALAN SEDANG DIBANGUN UNDER CONSTRUCTION ROAD CENT OR ESCARPENT ₩, Perret Datata THEORY WILLN GUILLN SUSUR CURAN 11111 BACIAN JALAN DIJUNAN \bigcirc GARIS SAMA TINGGI GEPRESI ~~~ JEWBATAN GATU/BESI SIONE/SITEL BRIDGE ** TERING DERBARU **}____(** HURATAN RAMEU RAMROG BRIDGE A. - 7#-- #-LERENG TERENOSI GORONG-GONONO PENEUANO SEVERAGE CULVERT

 SCALE / SKALA

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 REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE

 DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE

 FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT

 IMPROVEMENT OF LAND AND IRRIGATION SYSTEMIS

 AT FARM LEVEL

 LAND USE MAP

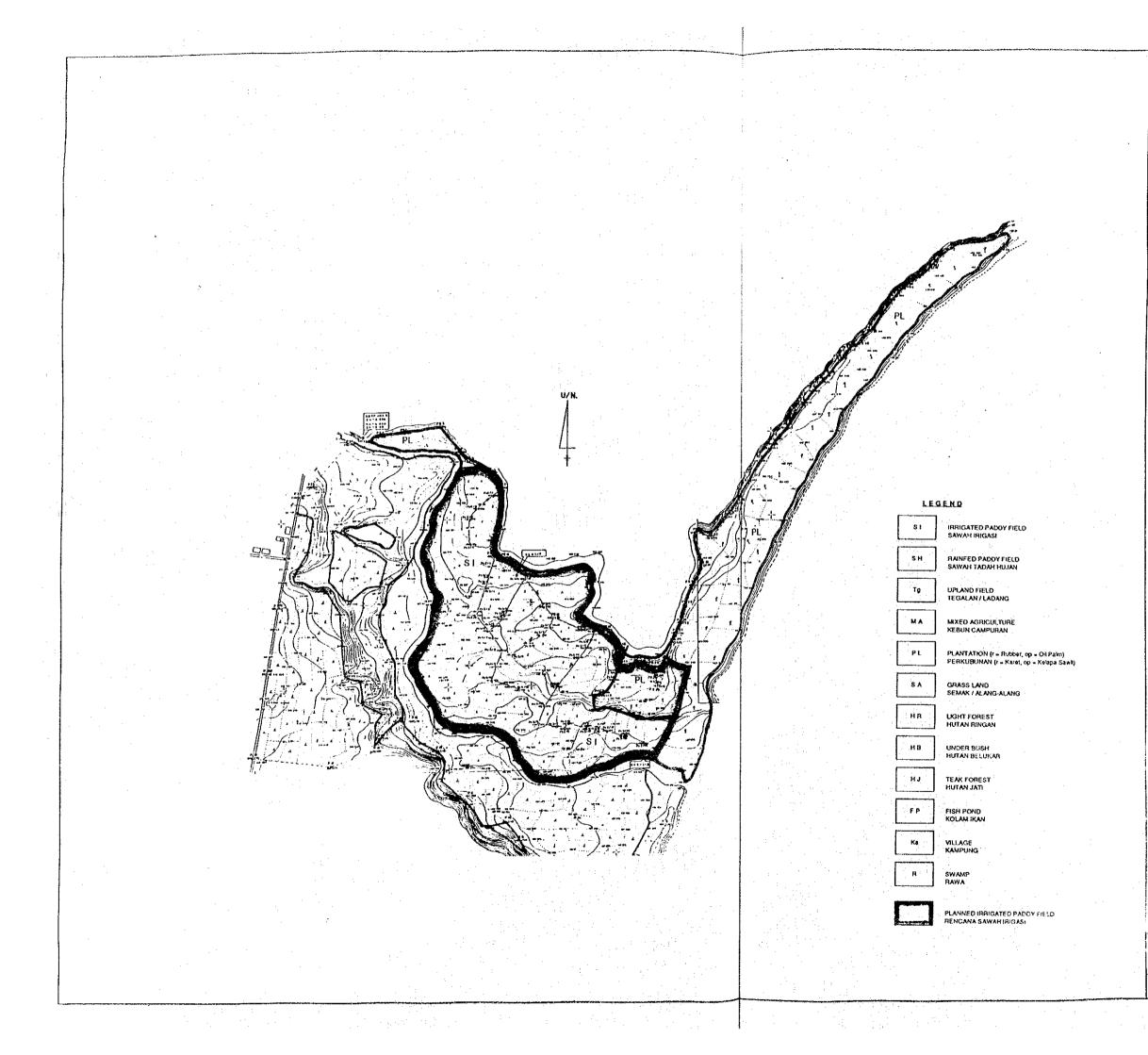
 SCHEME: LOKOK TRIPAS

 PROVINCE. WEST NUSA TEHROGARA

 JAPAN INTERNATIONAL COOPERATION AGENCY

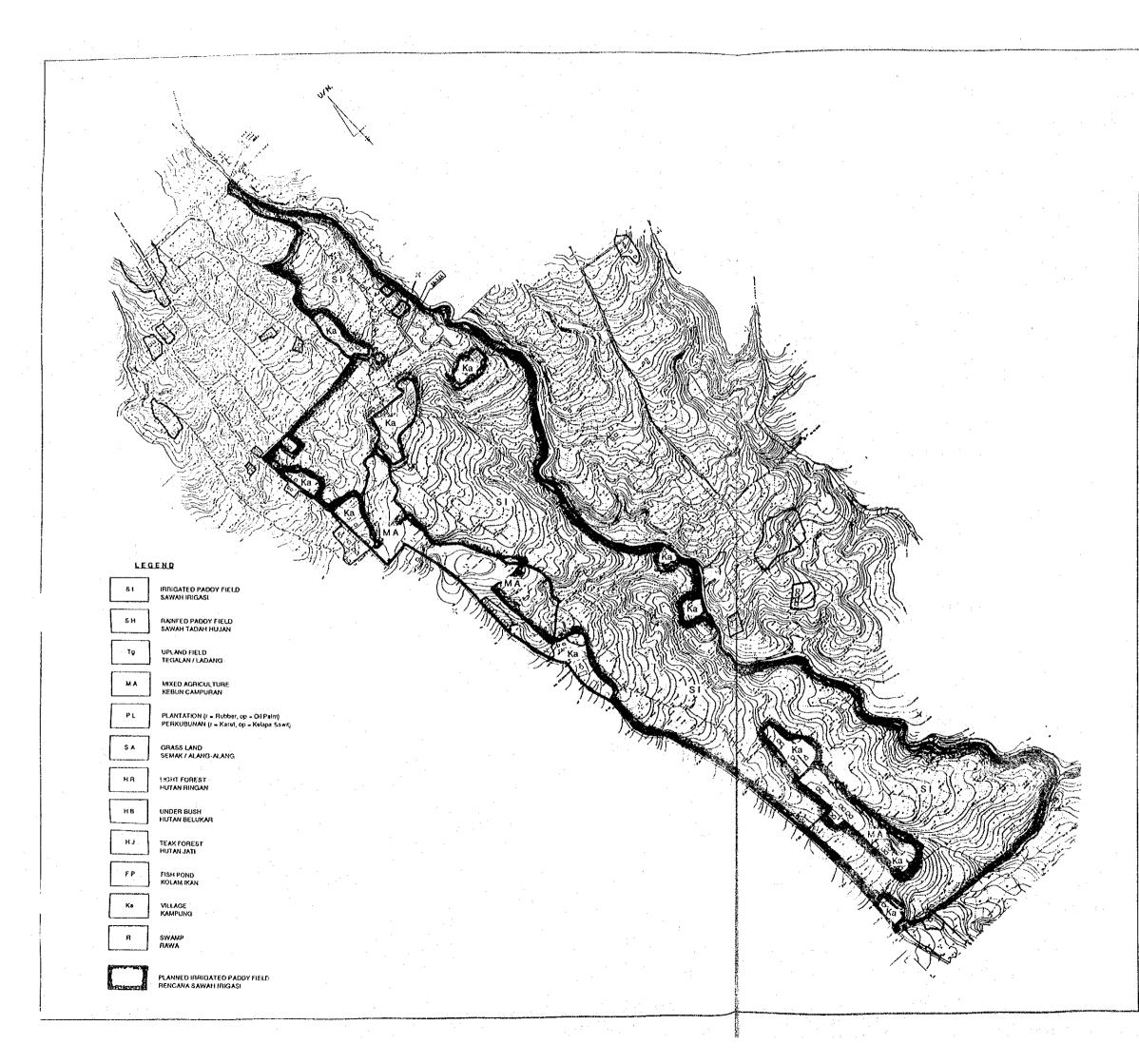
 DIVIG. NO

 TOKYO LUICA)

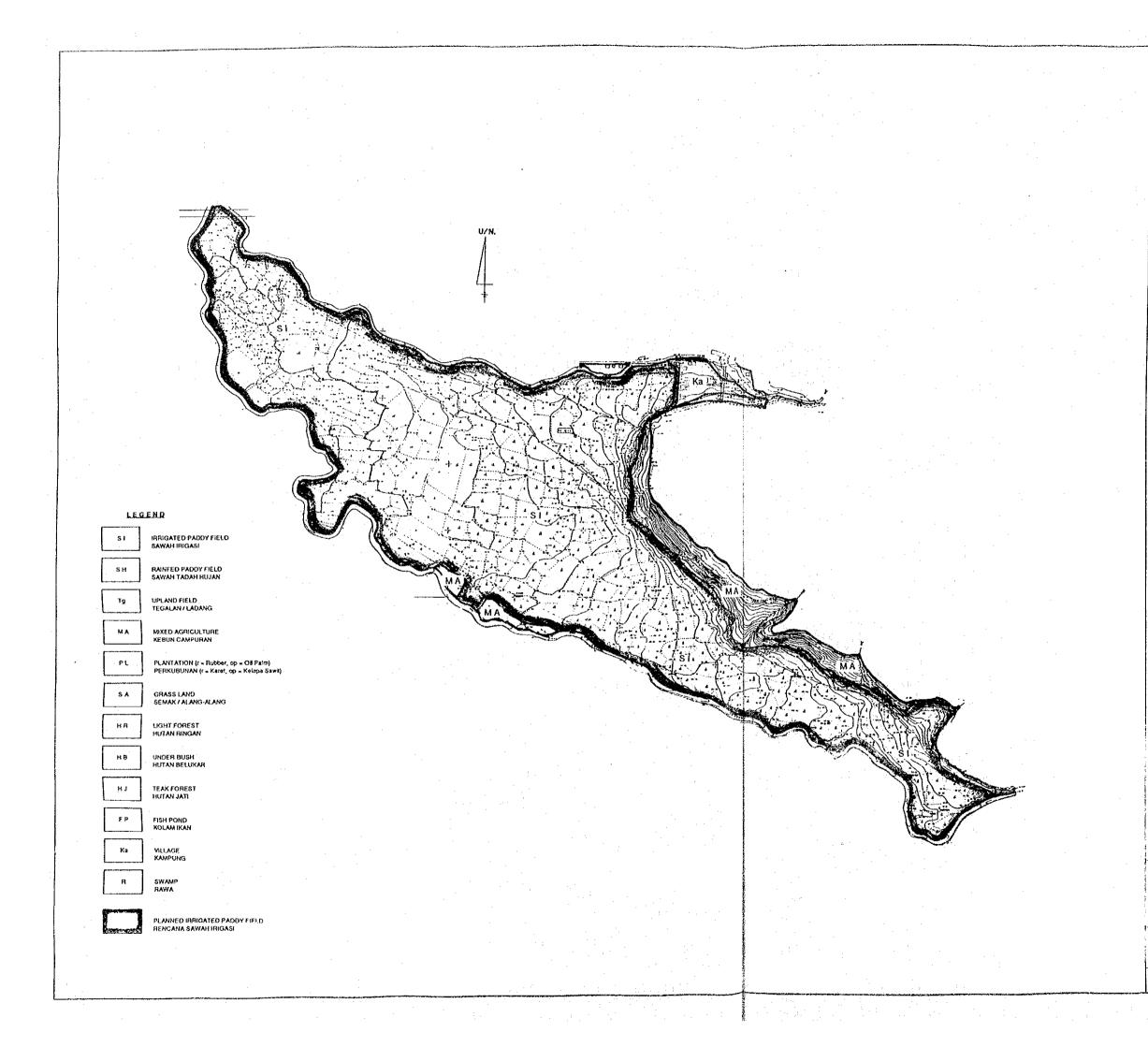


	Ļ	<u>EGENDA</u> EGEND	
	COORDINATE POINT	[]	PLANTATION BATAS TINBURAN BOUNDARY FLANTATION
0.	TITIK IKAT KOORCHAT (X,T) DAN IP APOT HEIGHT	Ш	SAWAH PADOY FILLD
0 14	TFOL HEIGHT TITIK KETINGGAN BENCH MARK	[1]	LADANG/REBUH Uplang neld
···········	BANGUNAN	6.5	BUAH-BUAHAH Fisid of Fruit
	STRUCTURE	Ĩ	KUUPA COCONUT FILD
	HOUSING		K44E1
	KANEGA PENERINEAHAM Goyernwent office		AUSSIA JIELD
0	NANTOR POLISI POLICE OFFICE		LADA PEPPER FIELD
Ø	KANIGR POS Post office	•3	RUTAN BELUKAR JOREST
		¥~	ALANG-ALANO GRA33
6	STROLAH School	8	SOIL PIT
6	RUMAN SANIT Kospital		PERAIRAN Arah Arus Dischange directly
3]	KOZGNE KYZYO		
<u> </u>	GENE JA/XELENTERO CHUNCH		SURGAF DAN ANAK SUNGAF River & Tributary
		<u> </u>	SALURAH AIR CAHAL
<u>~</u>]	PABNIK FACTORY PUSAT U S TRIK	1211121	TALUD LEVEE
<u>×</u>	TENAGA AN HYDRA STATION	1-1	BENDURGAN WEIR
-	PASAR WARKET		PINTU AJR Gaie Weir
Ð	TEMPAT POUPA AN WATER PUNP STATION		GATE WEIN
	JALAN	1111	ялил 5илр
22	MUN > 1 m		RELIEF
]	JAUN I - I m		CARIS SAVA THEOR CONFOUR
]	IATAH SETAPAR JETTY ROAD		INDEXS GANIS SAMA TINGGI INDEX CONTOUR
	JALAN SEDANG CHEANGUN UNDER CONSTRUCTION ROAD		CLIFF OR ESCARPENT
21221 31331	BAGUN JALAN GALAN		
	BAGUNI JALAN TIKSUKAN	1222	SUSUR CURAM
ञ्च	JEWBATAN BATU/QESH STORE/STEEL BRIDGE	\Box	GARIS SAMA TINGGI DEPRESI
	STORE/STEEL BRIDGE JEWRATAN BAWBU RAWROG BRIDGE	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	TESTING BERBATU
	RANDO BRIDGE CORDHS-GORDHS PENEVANS	ন্নিছ	LERENG TEALROID
227	ITWERAGE CULYERS		·

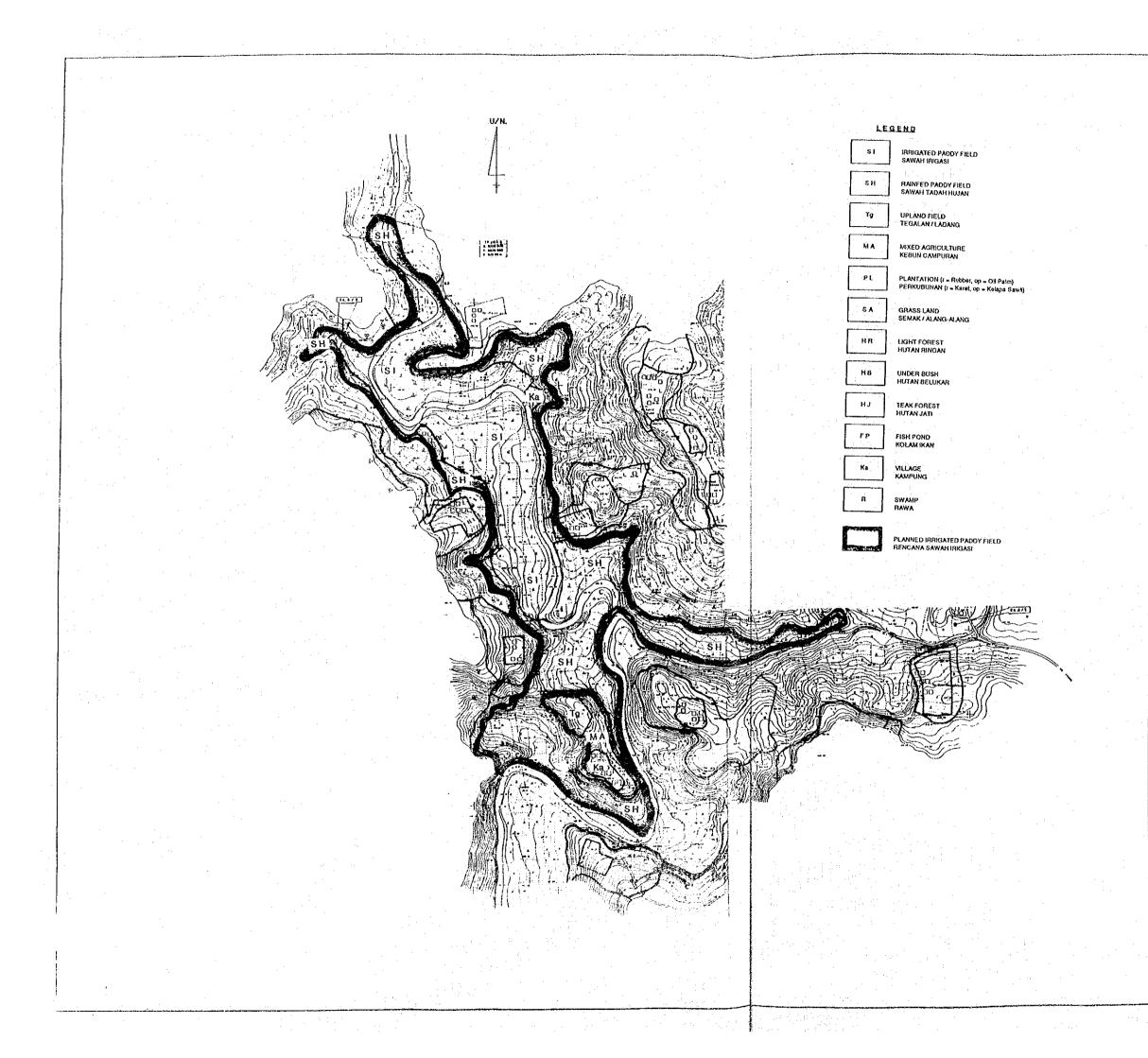
REPUBLIC OF INDONESIA MINISTRY OF AGRICULTURE DIRECTORATE GENERAL OF FOOD CROPS AGRICULTURE FEASIBILITY STUDY OF LAND DEVELOPMENT PROJECT IMPROVEMENT OF LAND AND IRRIGATION SYSTEMS AT FARM LEVEL LAND USE MAP SCHEME: LENGKOK DUDU PROVINCE: WEST NUSA TENGGARA JAPAN INTERNATIONAL COOPERATION AGENCY TOKYO (JICA) 75



	4		
	COORDINATE POINT		PLANTATION PATAS TIMEURAN
0.	HIM INAT KOORDHAT (K,T) DAN UP STOT HEIDHET		BOURDART PLANTATION
	BUIK KETINGGIAN		FADOY FIELD LADANG/KEBUN UPLAND FIELD
	SINCH MARK		UPLAND FILD BUAN-BUANAN FILD OF FRUSS
	BANGUNAN STRUCTURE		FIELD OF FRUSE
	RUMAH Hovsing		COCONUT FIELD
	KANIOR PEREAMIANAN Doyernient office	<u>[</u> <u></u>]	KART RUBBER FIELD
0	KANIOR POUS: POUCE OFFICE	Y	CLOA PEPPER FIELD
	KANTOR POS	°°	HUTAN BELUKAR FOREST
ليني	For once	32	ALANG-ALANG Grass
6	SEKOLAH SCHOOL	8	801L P17
	AUMAN SARIY	: 	PERAIRAN
	HOSPITAL	***	ARAH ARUS DISCHARGE DIRECTLY
<u>[</u>]	MOZDIĘ Myżyd	1	SUNGAI DAN ANAK SUNGAI Riyer & Tributary
ರೆ/ಕಿ	GENEJA/KELENTENG CHURCH	[]	SALUKAN AA CANAL
ϕ	PATRIK FACTORY		TALUD
	PUSAT LISTRIK Tenaga ang NTDRO POWER BTATION	11111	LEVIT .
		1-1	BENDUNGAN NEIR
	PASAR MARKET	~~	PINTU AIR Gate Deir
_⊕_j	TEMPAT POWPA AR WATER PURP STATION		RAWA
$\overline{\mathbb{R}}$	JALAN JALAN > 2 m		REUEF
	MLAN 1 - 1 m		GARIS SAMA TINGGI CONTOUR
	IALAN SETABAR JETTI ROAD		INDERS DARIS SAMA TINOGI INDER CONTOUR
	JETT ROAD JALAN SECANG DIBANGUN UNDER CONSTRUCTION ROAD	the for	CENT OR ESCARPENT
	BIGUN JALAN DALIAN		SUSUR CURAN
HHH	FAGIAN JALAN TIMEUKAN	5-35	
	SUBATAN BATU/BESI STONE/STEEL BRIDGE	C	GARIS BASA THOCH DEFACSI
	асыратан рамби Дамбоо вліоче	₩¥	TERING BERBATU
	CORCHG-GOROKO PENEULNO	AF	LERENG TEACROSI
	SENTRIGE CULVERT		
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IMPI	ROVEMENT OF LAND AT FARM		GATION SYSTEMS
	LAND USE	мар	·····
SCHEME: KI	ELOKOS UDANG	PROVINCE	: WEST NUSA TENGGARA
JAPAN I	NTERNATIONAL COOPER	ATION AGEN	ICY OWG. NO.
	TOKYO (JICA)		1 10



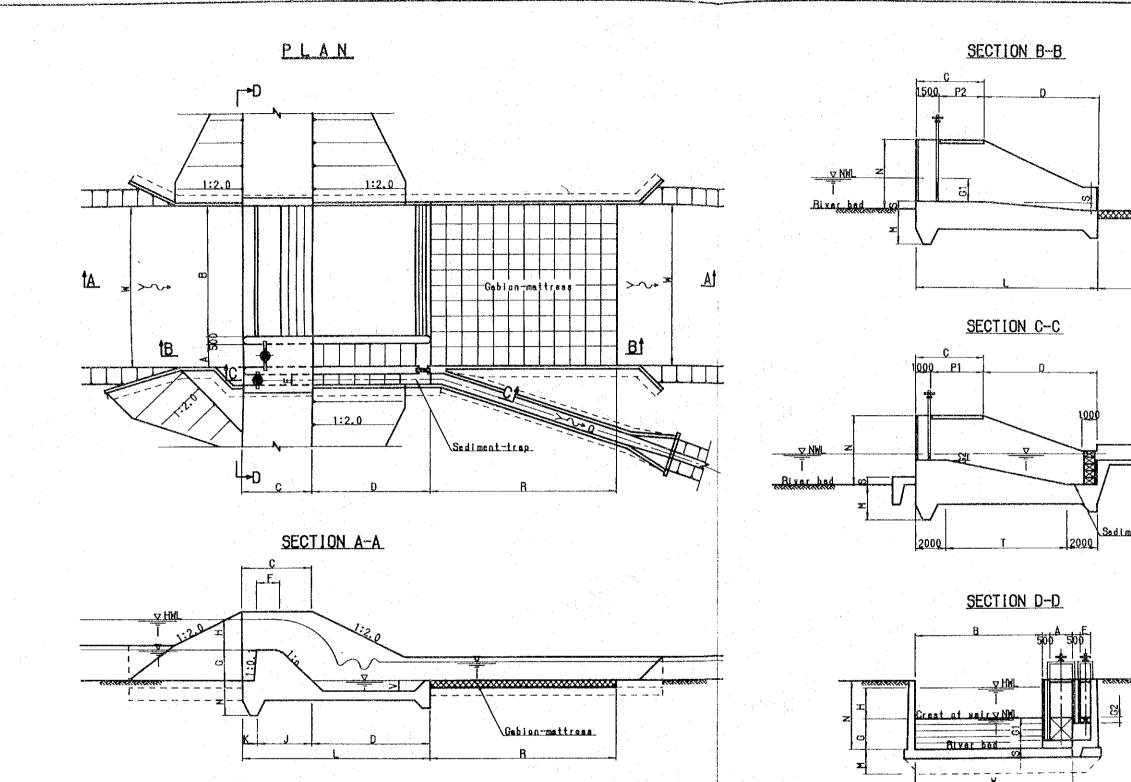
	COORDINATE POINT	· []	PLANTA IJUN BATAS TIVBURAN BOUNDARY PLANTANON	
0.	TITIK IKAT KOORDHAT (X,Y) DAN IP SPOT HEIDHT		SAWAH PADOF FIELD	
	1701 женндолан Пілік жетіндолан Ненсн малк		LADARO/KEBUN UPLAND FIELD	
	BANGUNAN	53	IVAN-IVANAN FIELD OF FRUIT	
· · · · · · · · · · · · · · · · · · ·	STRUCTURE	TT.	KILAPA	
	RUMAIR HOUSING		COCORUT FIELD	
5	KANIOR PENERINTAHAN Government Office		KARCJ RUBSER FICLD	-
0	KANTOR POLISI POLICE OFFICE		LADA PEPPER FICLD	
۲	KANTOR POS Post Office	°°°	HUTAN BELUKAR FOREST	
· ·	- ·	¥~	ALANG-ALANG GRAST	1
Б	SEXOLAN SCHOOL	8	SOLL PIT	.
6	RUWAN SAKIT NOSFITAL		PERAIRAN	
		200	ARAH ARUS Discharge directly	
6	R920AC R7240	5	SUNGAI DAN ANAK SUNGAI River & Tribufary	
<u>ბ/</u> ბ	GEREJA/RELENTENG CHURCH		SALURAN AIR Canal	
$\left[\mathbf{\Phi} \right]$	PASEX FACTORY	المجمعيا ا	TALUS	
×	PUSAT USTEX TEHAGA AU HYGRO POWER STATION	מוחיו	LIVE]
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	BYKYEL	0-0	PINTU AIR CAIE WER	
Ð	TEMPAT POMPA AIR WATER PUMP STATION	[2:::]		
	JALAN JAUN > 2 m		RAWA SWAP	
			RELIEF GARIS SAMA TINUGI	
	24,44 1 - 2 m		CONTOUR	Ì
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:::::	JALAH SEDANG DIBANGUN UKDER CONSTRUCTION ROAD	E (CENT OR ESCARPENT	
	BAGIAN JALAN GALLAN		SUJUR CURIN	
	BAGUAN SALAH TIMBUMAN	150	30124 (0008	
	JEHEATAN BATU/2635 SIGHE/STELL BRIDGE	\Box	GARIS SAMA TINGGI DEPRESI	
4 +	JENBALYN AYASA		TESHIG BERBATU	
	BINGOO BHIDGE	्रिस्	LERENG TERENOSI	
	GORONG-GORONG PLANUANG Sewerage Culvert	28		
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	ROVEMENT OF LAND			
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SCHEME A	ABA SANGGA	PROVINCE	WEST NUSA TENGARA	
JAPAN I	TERNATIONAL COOPER	ATION AGEN		-
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J/J GEREJA/KELENTENG CHURCH		SALURAH AIR Caral
	[mmm]	TALVO LEYCE
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TEMPAT PONPA AIR WATER PUMP STATION	[]	
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JALAN SETAPAK JETTY ROAD		INDERS GARIS SAMA TINGS INDER CONTOUR
JALAN SEDANG DIBANGUN UNDER CONSTRUCTION ROAD	£ (((CEUF OR ESCANENT
BAGIAN JALAH GALIAN		SUSUR CURAM
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JAPAN INTERNATIONAL COOPER TOKYO (JICA)	ATION AGEN	CY DWG NO. 78
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COORDINATE POINT		PLANTATION BALAS TINSURUM BOUNDARY PLANTATION
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ISTIX RETINGGIAN BENCH MARK		LADARG/REJUH UPLOID HELD
BANGUNAN	68	BUAR-BUARAN Field of Frun
NUMAIE HOUSING	Ľ	KELAPA COCONUT FILLD
KANTON PEMERINTARAN GOVERNMENT OFFICE		KARET RUBBER FIELD
KANTOR POUSI FOLICE OFFICE	Γ <u>Υ</u>	LADA PEPPER INCLO
KANIOR POS Post office	•°	HUFAN BELUKAR FOREST
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SEKOLAH SCHOOL	8	301L #1T
RUMAH SARIT Nospital	· ···	PERAIRAN
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GEREJA/KELENTEND CHURCH		SALURAN AIR CANAL
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PUSAT USTROC TEHAÇA AR HIDRO POWER STATION		BENDUNGAN
PASAR MARKET		MEIR
TEMPAT POWPA AUR WATER PUWP STATION	00	PINEU AIK GASE WEIR
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MUN 1 - 2 m	~~	GARIS SAMA TINGGI Contgur
JALAN SETAPAK JETTY ROAD		INDERS GARIS SAMA TINGGE MOLX CONTOUR
JALAN SEDANG DIBANGUN UNDER CONSTRUCTION ROAD	£ (((CLUF OR ESCANFENT
BACIAN JALAH GALISH		SUSUR CURAM
BAGUAR JALAN TEMBURAN		CARIS SAMA TINGGI DEPRESI
JENBATAN BATU/BESI STONE/STEEL BAIDGE		



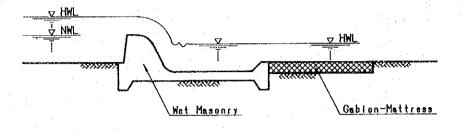
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¥(m)	B(m)	A(m)	G (m)	H(m)	C(m)	D(m)	F(m)	1:n	J (m)	K(m)	.L(m)	R(m)	V(m)	M(m)	N(m)	P1 (a)	P2 (m)	T (m)	S(m)	G1 (m)	Q (m3/s)	E(m)	G2 (m)
10.50	8.50	1.50	1.00	1.00	2.15	5.40	1.05	0.6	1.65	0.50	7.55	3.00	0.30	1.30	2.50	1.15	0.65	3.55	0.25	0.75	0.500	1.30	1.00
10.50	8.50	1.50	1.00	1.50	2.55	5.40	1.25	0.8	2.05	0.50	7.95	6.00	0.30	1.30	3.00	1.55	1.05	3.95	0.25	0,75	0,450	1.30	0.90
10.50	8.50	1.50	1.00	2.00	3.00	5.40	1.50	1.0	2.50	0.50	8.40	8.00	0.30	1.30	3.50	2.00	1.50	4.40	0.25	0.75	0.400	1.30	0.80
10.50	8.50	1.50	1.50	1.00	2.70	6.65	1.05	0.6	1.95	0.75	9.35	4.00	0.50	1.50	3,00	1.70	1.20	5.35	0.35	1.15	0.350	1.20	0.75
10.50	8.50	1.50	1.50	1.50	3.25	6.65	1.30	0.8	2.50	0.75	9.90	7.00	0.50	1.50	3.50	2 25	1.75	5.90	0.35	1.15	0.300	1.10	0.70
10.50	8.50	1.50	1.50	2.00	3.75	6.65	1.50	1.0	3.00	0.75	10.40	10.00	0.50	1.50	4.00	2.75	2.25	6.40	0.35	1, 15	0.250	1.10	0.60
10.50	8.50	1.50	2.00	1.00	3.50	7.65	1.30	0.6	2.50	1.00	11.15	4.00	0.70	2.30	3.50	2.50	2.00	7.15	0.50	1.50	0.200	1.00	0.50
10.50	8.50	1.50	2.00	1.50	3.90	7.65	1.30	0.8	2.90	1.00	11.55	8.00	0.70	2.30	4.00	2.90	2.40	7.55	0.50	1.50	0.150	0.90	0.45
10.50	8.50	1.50	2.00	2.00	4.50	7.65	1.50	1.0	3.50	1.00	12.15	12.00	0.70	2.30	4.50	3.50	3.00	8.15	0.50	1.50	0.100	0.70	0.40

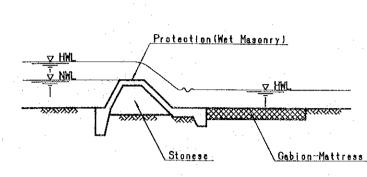
DIMENSION OF WEIR

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	AND SHOULD NOT BE USED FOR CONSTRUCTION
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	REPUBLIC OF INDONESIA NINISTRY OF ADDICULTURE Directorate general of food cadps agriculture
	SIBILITY STUDY OF LAND DEVELOPMENT PROJECT
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STANDARD OF WEIR SECTION

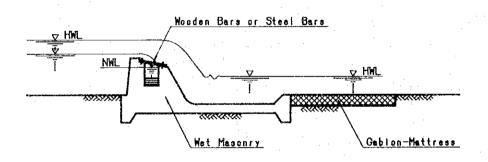
WET MASONRY TYPE



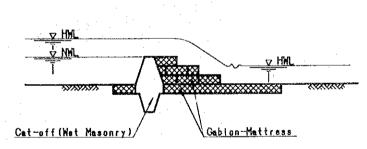


PROTECT TYPE

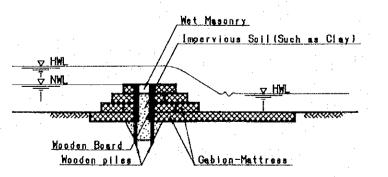
TYROLLER TYPE



MASONRY CUT-OFF AND GABION TYPE



CABION TYPE



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REPUBLIC OF INDONESIA	NINISTRY OF ACRI	CULTURE
DIRECTORATE GENERAL C	F FOOD CROPS AGR	CULTURE
FEASIBILITY STUDY OF U		
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SCHEME:	PROVINCE	
JAPAN INTERNATIONAL COOPER		DHO. NO.
TOKYO (JICA)	80

STANDARD SECTION OF HEAD REACH AND MAIN DELIVERY CANAL

Masonry Lining Inclined Type

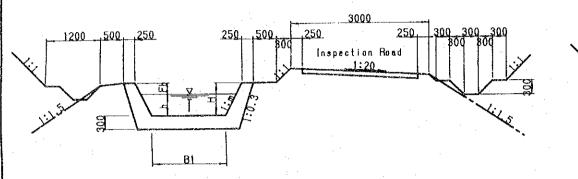
DIMENSION

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(m)

TYPE

M- 1



B1 m (m) (1:m)

0.5

(Inclined Type) k (m/s) (1/1)

 60
 0.580
 2.400

 60
 0.552
 2.600

OF MASONRY LINING CANAL

։ Fb (m)

 M 2
 0.45
 0.70
 0.47
 0.23
 1.50
 0.5
 60
 0.552
 2.600

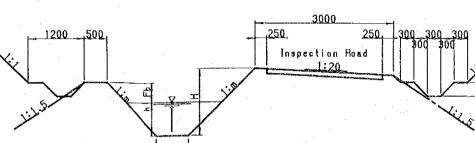
 M 3
 0.40
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 60
 0.552
 2.600

 M 3
 0.40
 0.70
 0.47
 0.23
 1.50
 0.5
 60
 0.491
 3.300

 M 4
 0.35
 0.70
 0.47
 0.23
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 60
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0.50 0.70 0.47 0.23 1.60

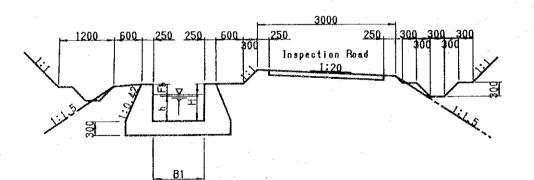


DIMENSION OF EARTH CANAL

Main Delivery Canal

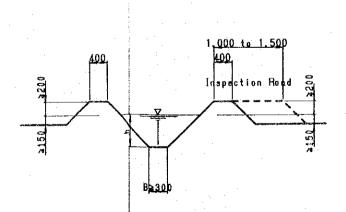
			<u> </u>		and the second sec				
TYPE	0 (m3/s)	H (a)	հ (m)	ին (m)	B1 (m)	() ^m m)	<u>k</u> .	(m/s)	(1/1)
E- 1	0.50	1.15	0.73	0.42	0.70	1.0	35	0.479	1,500
E- 2	0.45	1.15	0.71	0.44	0.70	1.0	35	0.450	1,600
E- 3	0.40	1.10	0.69	0.41	0.70	1.0	35	0.417	1.800
E- 4	0.35	1.10	0.66	0.44	0.70	1.0	35	0.390	2,000
E- 5	0.30	0.95	0.64	0.31	0.60	1.0	35	0.378	1,900
E~ 6	0.25	0.90	0.60	0.30	0.60	1.0	35 -	0.347	2,200
E- 7	0.20	0.90	0.58	0.32	0.60	1.0	35	0.316	2,400
E- 8	0.15	0.80	0.50	0.30	0.50	1.0	35	0.300	2,300
E- 9	0.10	0.75	0.41	0.34	0.40	1.0	35	0.313	1,500
E-10	0.05	0.60	0.29	0.31	0.30	1.0	35	0.364	600

Masonry Lining Vertical Type



D	IMEN	ISION	OF MA	SONRY	LINI	NG CA	NAL	(Vert	<u>ical</u>	Type)
T	YPE	-0 (m3/s)	H (m)	h (m)	[መ]	81 (m)	៣ (1:៣)	k	V (m∕∎)	
C	- 5	0.30	0.80	0.58	0.22	1.10	_ ·	60	0.470	3,000
C	- 6	0.25	0.75	0.55	0.20	1.10		60	0.413	3,800
C	- 7	0.20	0.75	0.55	0.20	1.00		60	0.364	4,500
C	- 8	0.15	0.70	0.46	0.24	0.90	·	60	0.362	3,800
C	- g	0.10	0.60	0.38	0,22	0.70		60	0.376	2,600
C	-10	0.05	0.45	0.25	0.20	0.50	-	60	0.400	1,400

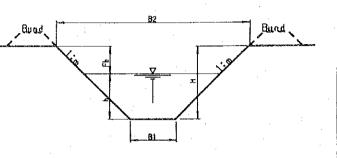
Sub Delivery Canal



0.20m/s≤V≤0.40m/s K=30

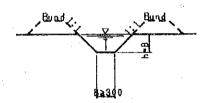
STANDARD SECTION OF DRAINAGE CANAL

Main Drainage Canal



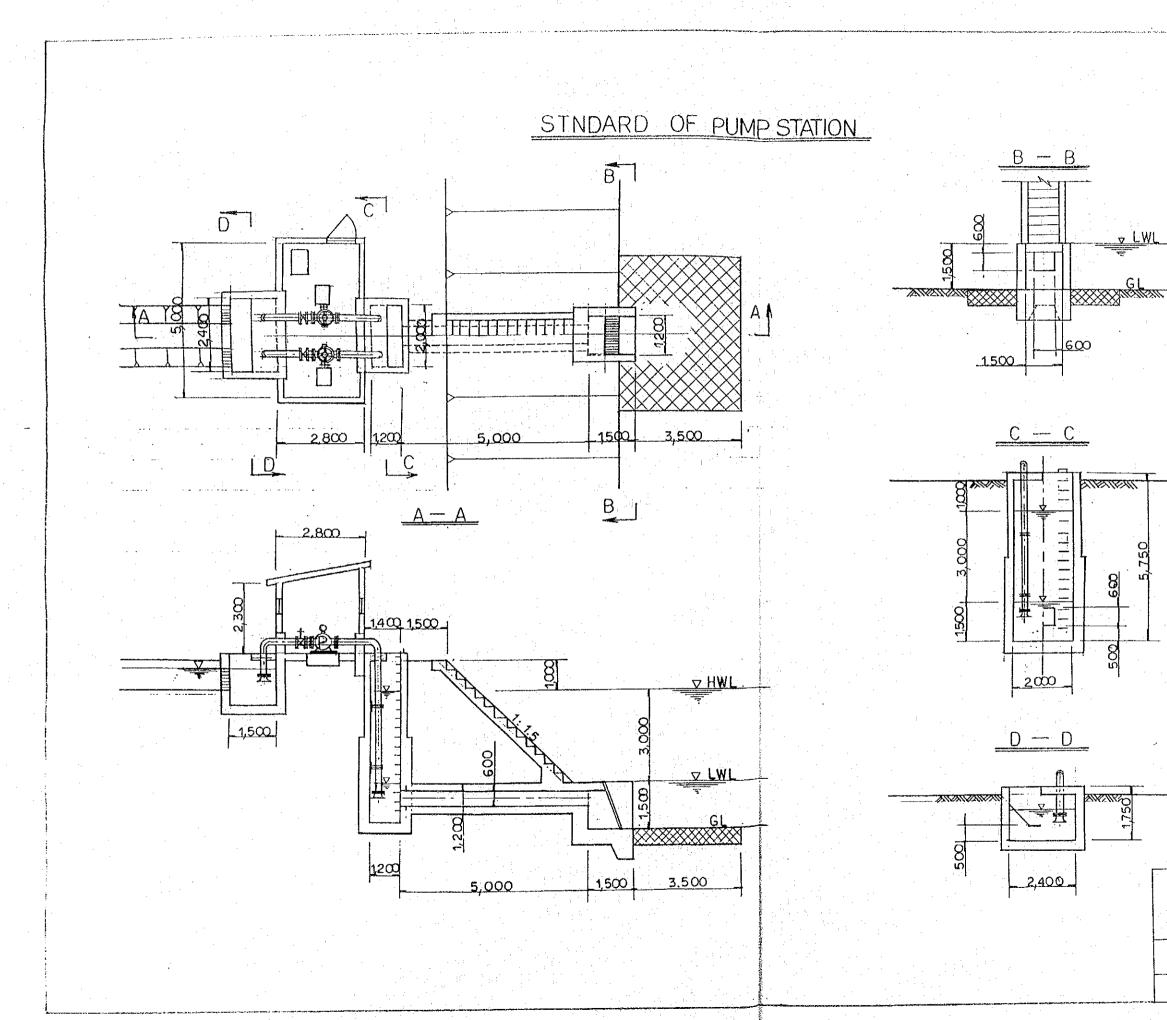
DIME	VSION	OF M/	IN DF	RAINA	GE CAN	۱L.	
TYPE	$\binom{0}{(m3/3)}$	H (m)	ի (ու)	Fb (m.)	(m)	82 (m)	m (1:m)
D- 1	0.50	1.50	1.00	0.50	1.00	4.00	1.0
D- 2	1.00	1.50	1.00	0.50	1.00	4.00	1.0
D- 3	2.00	1.60	1.00	0.60	1.00	4.20	1.0

Sub Drainage Canal



0.20∰/s≤¥≤0.40m/s K=25

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