(3) Equipment for the agricultural extension service

Equipment for the agricultural extension service is shown in Table 5.1.4.

5.10	Propo	sed Project Facilities	
	(1) Zo	one I	
	a)	Drainage improvement works	
	1)	Improvement of Balili river	425 m
	2)	Improvement of Bolo creek and Bayabas creek	1,400 m
		(Regulation gate: 1 place)	
	3)	New flood canal of Bayabas	500 m
	4)	Road crossing box culvert No.1 & No.2 at Bayabas	2 sites
	5)	Construction of a consolidation dam (CL = 20 m)	1 set
		and refuse inflow protection screen in front	
		of Dinog Cave	4
-			
*	ъ)	Irrigation facilities works	
	1)	Improvement of Bayabas pond	1 site
-	2)	Construction of Puguis pond	1 site
	3)	Construction of Buyagan pond	2 sites
	4)	Construction Puguis (Gayadan) deepwell works	1 -14-
		$(Q = 0.6 \text{ m}^3/\text{min})$	1 site
	5 \	$(Q = 0.3 \text{ m}^3/\text{min})$	1 site
	5)	Construction of stock farm deepwell works	1 site
٠.		$(Q = 0.3 \text{ m}^3/\text{min})$	
	c)	Inland pollution protection works	ele di serie di serie di Granda
	1)	Construction of sewage canal	5,000 m
	2)	Provision of refuse dumping truck	2 units
** , .			
10 × 20 × 3	d)	Rural community center works Total	2 houses
		Puguis Barangay	1 house
		Pico Barangay	1 house
	(2)	Zone II	
	a)	Irrigation facilities works	
	1)	Construction of distribution facilities at outlet	1 set
	5 17 15	of Dinog Cave	

2)	Construction of ponds		8 sites
	Bahong No.1 Alapang N	lo.2	
1	Bahong No.2 Alapang N	lo.3	
	Bahong No.3 Peril		
٠	Alapang No.1 Alno		
3)	Construction of intake facilities		
	Bahong intake weir		3 sites
	Alapang intake weir	•	1 site
:	Alno intake weir		2 sites
b)	Drinking and domestic water supply syst	em works	
	Bahong deepwell and pump works	•	4 pump stations
	Alapang deepwell and pump works		1 pump station
	Alno deepwell and pump works	•	1 pump station
с)	Improvement of rural road		de ser en
	Samuyao - Peril route (1)(2)		2.0 kms
4.0	Samuyao - Alapang route (1)(3))		1.1 kms
	Camp Dangwa - Alno route (4)3)5) (3)))	3.8 kms
	Camp Dangwa - Sadag route (6)97)	•	3.4 kms
	Tomay - Bahong route (899)		1.3 kms
	Camp Dangwa - Mae Bahong route (10)	- ((1))	0.7 kms
	West Alno - East Alno route (10.6)	_	1.6 kms
d)	Construction of rural road (Farm to mark	et road) works	
	North Sadag - East Alno route (② (2)		1.5 kms
	Sadag - East Alno route (4-6)		1.6 kms
	North Bahong - Alapang route (3.46)		0.9 kms
1	West Alno - Peril route (2-17)		1.0 kms
e)	Rural community center works	Total	3 houses
	Bahong Barangay		1 house
	Alapang Barangay		1 house
	Alno Barangay		1 house
(3)	Zone III		
a)	Rural road improvement works		
,	Capitol - Bineng - Japos (18-22-19)		6.2 kms
	Rineng - Roleweng (M M)		2.5 kms

Construction of rural road (Farm to market road) works	S
Boleweng - Lower Bineng route (2)-(3)	2.8 kms
Irrigation facilities works	
Bineng CIS improvement	•
Intake	1 site
Existing canal	3.8 kms
New canal	2.2 kms
Division box	6 sites
New intake facilities works	
Wangal intake	1 site
Bineng intake	1 site
Regulating pond	1 site
Drinking and domestic water supply system works	
Bineng deepwell and pump 200 l/min x	1 pump station
Rural community center works	11.75 11.75
	I house
Wangal Barangay	1 house
Rural electrification works	Section 1
Extension transmission line	6 kms
Equipments	
Agricultural-extension equipments	Lump sum
Agro-metrology equipment	Lump sum
Water-quality-test equipment	Lump sum
Office equipments	Lump sum
(vehicle, office machine, and so on)	•
	Boleweng - Lower Bineng route (2)-(3) Irrigation facilities works Bineng CIS improvement Intake Existing canal New canal Division box New intake facilities works Wangal intake Bineng intake Regulating pond Drinking and domestic water supply system works Bineng deepwell and pump 200 l/min x Rural community center works Bineng Barangay Wangal Barangay Rural electrification works Extension transmission line Equipments Agricultural-extension equipments Agro-metrology equipment Water-quality-test equipment Office equipments

Note: Location of O-mark is shown in the Fig.5.4.1.

Future Labor and Farm Inputs Requirement for Selected Crops Table 5.1.1

	j j	Unit	Seed/		Labor		Animal		Fertilizer		Chicken	Insecticides #2	des #2	Fungicides #2	des #2
Crops	Ϋ́	Yield	Seedling	Familiy	Hired	Total	Power	z	P205	×	Manure Powder	Powder	Liquid	Powder	Liquid
	(to:	(tons)	(kg)	(M-D)	(M-D)	(M-D)	(day)	(kg)	(kg)	(kg)	(kg)	(kg)	(jij)	(kg)	3
Rice		2.5	09	181	σ,	190	v	50	0	0	0	0.0	2.	0.0	1.5
C. Cabbage		20.0	1.12	222	.83	309	0	210	30	50	1,000	0.0	8.0	4.0	2.0
Lettuce		14.0	0.95	190	93	283	0	180	0	40	2,000	0.0	12.0	8.0	11.0
Baguio beans		9.0	9	198	35	233	0	20	96	40	1,000	2.0	7.0	2.0	5.0
Garden peas		4.5	9	185	62	247	0	20	8	40	1,000	2.0	8.0	6.0	5.0
Green onion		11.5	250	136	87	223	0	8	210	210	1,000	0.0	4.0	1.0	4.0
Strawberry		14.0	80,000	611	204	815	0	170	170	190	1,000	0.0	20.0	5.0	12.0
Celeny		24.0	1.50	215	32	247	0	180	0	40	2,000	0.0	6.0	3.0	4.0
Rose	#	39.0	000,09	535	275	810	0	140	140	180	2,000	2.0	15.0	5.0	20.0
Gladiolus	Ţ.	15.0	480	136	41	177	0	198	54	54	0	0.3	4.2	0.8	6.1
Remarks	#1 Prod	luction	of roses a	#1 Production of roses and gladiolus are presented in 1,000 doz	us are pre	sented in	1,000 doz								

#2 Insecticides:

Vegetox
Tamaron, Thiodan, Hostation, Sumicidin
Manzate, Curzate, Elosal
Dithane

Powder Liquid Powder Liquid Fungicides:

Production of Crops in the Project Area Table 5.1.2

ZONE	With	out Proje	ct	W	th Projec	<u> </u>
	Area	Unit	Prod'n	Area		rod'n
Crops	1 11044	Yield	Tiou ii	Hu	Yield	rou ii
	(ha)	(t/ha)	(ton)	(ha)	(t/ha)	(ton)
ZONE I						
			. 1	1.0		
Strawberry	56	9.8	549	40	14.0	560
Vegetables #2	249	9.9	2,465	500	14.0	7,000
						1
ZONE II				,		
Dagge	(0	25.0	1 500	50	20.0	2 201
Roses	60	25.0	1,500	59	39.0	2,301
Vegetables #2	283	9.9	2,802	266	14.0	3,724
Inter-crop #3	60			60		:
-Vegetables	40	5.6	224	40	8.9	356
-Flower (Gradiolus)	20	7.4	148 #1	20	7.5	150 #1
1 1	•				1 ⁷⁷	
ZONE III						
·		1. · · · · ·				
Rice	50	1.9	95	50	2.5	125
Vegetables #2	96	9.9	950	180	14.0	2,520
		5.1 · · · · · · ·	600 5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Total Cropping Area (Inter-cropping)	854 (60)			1,155 (60)		
	1		* ***	. (, -)		÷
Total Production						
Strawberry			549			560
Rose		:	1,500 #1		* .	2,301 #1
Rice			95			125
Vegetables			6,441			13,600
Flower (Gradiolus)			148 #1	• *		150 #1
	4.					

^{#1} Unit: 1,000 doz

Vegetables include Lettuce, Chinese Cabbage, Green Onion, Baguio Bean, #2 Garden Pea and Celery
Intercrops include Green Onion, Gladiolus and Celery

^{#3} Unit yield of intercrops was estimated at a half of the normal cropping

Table 5.1.3 Supply and Demand Projection of Vegetables in 2000

Region/Items	Leafy	Fruit	Leguminous	(Unit:ton/ha) Root, Bulbs
	Vegetables	Vegetables	Vegetables	Crops
Demand in 1986 #1				
Metro Manila	114,980	140,770	34,890	89,970
Ilocos Region	71,500	79,710	23,160	37,130
Central Luzon Region	68,850	100,530	22,500	54,090
Total Demand	255,328	321,010	80,550	181,190
	* 41 	•		
Supply and Demand in F	Y 2000	. •		
Metro Manila				
Demand in FY 2000	153,720	219,980	54,200	140,590
Ilocos Region				•
Demand in FY 2000	84,450	110,190	31,820	51,330
Production (in 1986) #2	88,130	98,910	18,200	144,800
Surplus/Defisit	3,680	-11,280	-13,620	93,470
Central Luzon Region		the property		
Demand in FY 2000	71,760	122,810	27,320	66,080
Production (in 1986) #2	5,960	54,580	17,100	71,000
Surplus/Defisit	-65,800	-68,230	-10,220	4,920
Total				
Demand in FY 2000	309,930	452,980	113,340	258,000
Production (in 1986)	94,090	153,490	35,300	215,800
Surplus/Defisit	-215,840	-299,490	-78,040	-42,200
Remarks: Leafy vegetables	: Cabbage, Green	Onion, Mustar	l, Pechay, and o	others
Fruit vegetables		basa, Chayote, l	Eggplant, Potala	ı, Pepino
Leguminous:	Habichuelas, Sit			
Root, bulb crops		-		

Root, bulb crops: Onion, Garlic, Irish Potato, Camote and Cassava

#1: See Table B.2.11

Demand of vegetables was estimated as below

Demand in FY 2000 = Demand in 1986 x (Pg + Ie x Pi) 14

Pg = Population growth rate #3 (%)

_	Metro Manila	2.80%
	Ilocos	1.90%
	C. Luzon	1.00%
Ie =	Income elasticity #4	
	Leafy Vegetal	ole -0.16
	Fruit vegetable	
	Leguminous	0.09
	Roots, bulbs.	0.10

Pi = Projected growth rate of annual per capita income (4.4 %) #5

Source: #2 Bureau of Agricultural Statistics

#3 NCSO

#4 Population Food Requirement 1984-2000, NEDA

#5 Medium-Term Philippine Development Plan 1987-1992

Table 5.1.4 Procurement Cost of O & M Equipment for Agricultural Extension Service

(Unit: 103 P)

والمراجعة والمرا	(Unit: 10 ⁵ P)				
Equipment	Unit Price	Quantity	Amount		
	1.24				
Vehicles			e avantinger		
- 4 wheel-drive jeep	300	1	300		
— 4 wheel-drive pick-up	280	1	280		
- Motorcycles	20	3	60		
- Spare parts (10 % of above)		.13	64		
			i turk i test.		
Office Equipment					
— Photo copier	15	1	15		
 Micro computer / Word proces with accessories 	ssor 90	1	90		
— Audio visual aid	15	1	15		
 Camera with accessories 	12	1	12		
- Furniture	20	Various	20		
- Others	10	Various	10		
			e diving a sella		
Agricultural Equipment *1	24	Various	24		
ar in a sur Proposition est en est en en 1905 pour liber de la companya d La companya de la co	, a mai ya di Maran katawa Maran katawa	Supplied (1997)			
Total	e disease		890		

Remarks

n de la companya de l

^{*1 :} Agricultural equipment include shovel, knopsack sprayers, hoe, etc..

Table 5.1.5 Annual O&M Cost for Extension Service

			t : peso)
Item	Unit Cost C	Quantity	Amount
The first of		+ 1 5.	
Salaries Extension workers	16,000 /year	4	64,000
Information officer	16,000 /year	1	16,000
Drivers	12,000 /year	2	24,000
Living allowance	(000 4	: . 7	40.000
Living anowance	6,000 /year	/	42,000
			\$10
Traveling expense	400 /month	7 .	33,600
Gasoline and oil for vehicles	#1 4,000 /month		48,000
Repaire and regular maintena for vehicles (5 % of procurement cost)	32,000 /year		32,000
Agricultural inputs	#2 15,000 /year	••	15,000
erii (j. 1865). Geografia (j. 1865).			
Office supplies	1,000 /month		12,000
Sub-total			286,600
Contingency (5 % 0f above)		e la	14,300
TOTAL			300,900
Remarks			

Remarks

600 lit/month x 6 pesos/lit = 3,600 pesos #1: Gasoline 400 pesos Oil

#2: Provision of agricultural inputs for contact farmers (10,000 pesos/ha of production cost) x (0.1 ha/site) x (5 sites) x (3 times/year)

Table 5.1.6 Farm Family Budget under Without Project Condition

Item	Zone-I	Zone-II	Zone-III
Farm Size	0,87 ha	0.70 ha	0,91 ha
(Net Farm Area)	(0.70) ha	(0.46) ha	(0.65) ha
Net Planted Area	1.32 ha	1.02 ha	1.35 ha
Strawberry	0,23 ha		and that is a signal of the second of the se
Rose	0.25 Ha	0.18 ha	and the time of the second of the
Paddy			0.47 ha
Vegetables #1	1.09 ha	0.84 ha	0.88 ha
Intercropping		0.18 ha	
Livestock (pig)	1 head	1 head	1 head
			property of the species
Total Net Income (A)	56,900	52,500	33,600
Net Farm income	52,700	49,400	28,000
Strawberry	21,800		•
Rose		22,600	2 700
Paddy		22,300	2,700 23,300
Vegetables #1 Intercropping #2	28,900	2,500	25,500
Livestock	2,000	2,000	2,000
Non-farm income	4,200	3,100	5,600
Total Expences (B) #3	50,200	45,900	32,600
Total Expences (b) #3	50,200	45,700	8 (A 400 t 1 2 1 1 1 1 1 1
Living expences	49,500	45,700	32,300
(Household size)	(5.8) persons	(6.0) persons	(5.6) persons
Food	27,100	24,800	17,900
Non-food	22,400	20,900	14,400
Land tax	700	200	300
Net Reserve (A-B)	6,700	6,600	1,000

Net Reserve (A-B) #1 Vegetables: Lettuce, Garden pea, Green onion, Chinese Cabbage, Baguio bean, Celery

#2 Intercropping: Celery, G. onion, Gladiolus

Production value of intercropping was estimated half of the normal cropping.

Expences was estimated as below:

Total Expences = Living Expences + Land tax Living Expences = Total Net Income x A
Food Expences = Total Expences x B Non-food Expences = Living Expences - Food Expences

Income class (pesos/year)	Average Income	Average Expences	A	Food Expences	В
<u></u>	(C)	(D)	(D/C)	(E)	(E/D)
20,000-29,000	24,800	21,000	85%	12,800	61%
30,000-39,000	33,700	32,300	96%	17,800	55%
40,000-59,000	44,400	38,600	87%	20,800	54%
60,000-99,000	78,600	49,000	62%	21,600	44%
100,000 and over	144,000	86,100	60%	36,100	42%

Remarks: Average income and expenditure for rural areas in Region I with family

size of five persons

Source: 1985 Family Income and Expenditures survey, NCSO

Table 5.1.7 Farm Family Budget under With Project Condition

liem	Zone-I	Zone-II	Zone-III
Farm Size	0.87 ha	0,70 ha	0.91 ha
(Net Farm Area)	(0.70) ha	(0.46) ha	(0.65) ha
Net Planted Area	2.39 ha	0.99 ha	2.13 ha
Strawberry	0.18 ha		
Rose		0.18 ha	en and a second
Paddy			0.47 ha
Vegetables #1	2.21 ha	0.81 ha	1.66 ha
Intercropping		0.18 ha	
Livestock (pig)	1 head	1 head	1 head
Total Net Income (A)	129,000	83,000	82,500
Net Farm Income	124,800	79,900	76,900
Strawberry	27.200		A = A + A
Rose	27,300	39,100	
Paddy		37,100	3,200
Vegetables #1	95,500	35,000	71,700
Intercropping #2		3,800	
Livestock	2,000	2,000	2,000
Non-farm income	4,200	3,100	5,600
Total Expences (B) #3	80,600	53,200	53,300
Living expences	77,400	51,500	51,200
(Household size)	(5.8) persons	(6.0) persons	(5.6) persons
		,	
Food	32,500	22,700	22,500
Non-food	44,900	28,800	28,700
Land tax	700	200	300
Irrigation fee	2,500	1,500	1,800
Net Reserve (A-B)	48,400	29,800	29,200

^{#1:} Vegetables: Lettuce, Garden pea, Green onion, Chinese Cabbage, Baguio bean, Celery

Production value of intercropping was estimated half of the normal cropping.

Total Expences = Living Expences + Land tax + Irrigation fee Living Expences = Total Net Income x A Food Expences = Total Expences x B Non-food Expences = Living Expences - Food Expences

Income class	Average	Average	A	Food	B
(pesos/year)	Income	Expences		Expences	that the
	(C)	(D)	(D/C)	(E)	(E/D)
20,000-29,000	24,800	21,000	85%	12,800	61%
30,000-39,000	33,700	32,300	96%	17,800	55%
40,000-59,000	44,400	38,600	87%	20,800	54%
60,000-99,000	78,600	49,000	62%	21,600	44%
100,000 and over	144,000	86,100	60%	36,100	42%

Remarks: Average income and expenditure for rural areas in Region I with family

size of five persons

Source: 1985 Family Income and Expenditures survey, NCSO

^{#2} Intercropping: Celery, G. onion, Gladiolus

^{#3} Expences was estimated as below:

Table 5.2.1 Summary of Water Balance in Dry Season

block	beneficial farm land	of water source	Volume	Mean discharge	Volume	Mean discharge	Minimum discharge	Volume	Mean	Minimum discharge	tation by well	Total	Required reservoir	Remarks
	(ha)	(ha) ('000 cu.m)	("000 cu.m)	(cu.m / s) ('000 cu.m)	(000 cu.m)	(cu.m/s)	(cu.m / s)	(.000 cu.m)	(cu.m / s)	(cu.m/s)	('000 cu.m) ('000 cu.m) ('000 cu.m)	,000 cu.m) (000 cu.m)	
1-1	4	٠.	115.5	0.0073	331	0.0210	0.0146	198.0	0.0126	0.0171	•	8.1	4.95	4.9 Standard year: 1978
		(3,733)			(3,285)		•	(218.9)	1			,	,	
. 7	42	** 260	112.9	0.0072	229	0.0146	0.0146	193.4	0.0123	0.0167	•	٥, ٥,	3.5	1978
,	7.4	(/00)	-	0.0116	(8/6)			(413.6)						1984
: 3 1. 4.	•	(4.134)												•
(1-3-1)	(32)				351	0.0223	0.0079	145.5	0.0092	0.0125		13.3	5.7	: .
•					(3,638)			(147.1)	0			٠.		
(1 - 3 - 2)	(42)				•	•	•	191.0	0.0121	0.0164	173.1	•		
			, .					(193.1)		٠				
П-1		63	36.8	0.0023	55	0.0035	0.0013	61.8	0.0039	0.0063	26.5	3,7	2.9	1984
l		(646)	٣		(268)			(62.6)						
11-2	19	112	55.2	0.0035	, 99,	0.0063	0.0031	90.4	0.0057	0.0091	25.7	6.2	5.5	1978
i.		(1,260)		- - - 	(1,109)			(101.8)						
п-3	21	215	59.7	0.0038	189	0.0120	0.0062	101.8	0.0065	0.0101	•	5,3	5.0	1983
	, ·	(1,753)	: 1		(1,543)			(111.5)						
4 - 11	49		. :	0.0095	268	0.0170	0.0150	239.6	0.0152	0.0236	•	33.7	18.9	1861
		(1,287)	₽ 		(1,133)			(265.6)	•			,	•	
, 2 II. 5	∞	77	23.4	0.0015	58	0.0043	0.0030	39.1	0.0025	0.0038	• 1	6.7	L.9	1867
¥		(176)	(7.67)	0.0038	(456)	00000	0.000	05.1	09000	8000	**	۲ ۷	3.4	1984
) 	3	, ,	(59.5)	200	(1.025)	2000	2 2 2 3	(96.2)	2000) }	,	
11-7	15	77	43.6	0.0028	89	0.0043	0.0022	71.4	0.0045	0.0073	26.6	3,4	3.1	1978
I		(867)	(47.7)		(763)	F)	· ¥	(80.4)						
8 II	7	58		0.0013	51	0.0032	0.0018	33.9	0.0022	0.0034		4.9	3.8	1983
		(474)	_		(417)			(37.2)						
E	7.0			0.0188	1 128	0.0715	0.0516	463.4	0.0294	0.0500			· .	1979
7	?	707'7	10.24	3	200		2		, (a)	2				•

* . These figures are excluded land acquisiton such as proposed road and irrigation facilities from original net beneficial area.

**: Besides these, Zone I has taken about 280,000 cu.m from the Balili river in the dry season.

Figures in the parenthesis are through a year.

Table 5.2.2 Proposed Irrigation Facilities

			,		08 ф	ф 80					ф 80		8.	500m ³), tineng CIS	ith intake weir
Others				3 deep wells	(well*2) 200 m, \$\phi\$ 80	(well*2) 200 m, \$\phi\$ 80					(well*2) 200 m, \$\phi\$ 80		A Comment	regulating pond (500m ³), rehabilitation of Bineng CIS	canal (3500 m) with intake weir
Water tank	nos. 74	72	55	67	22	32	35	88	14	35	25	12	17	50	595
ry t	ф 08	80	80	80	80	80	. 08	80	80	80	80	80	80	80	
Delivery conduit	3,700	3,600	2,750	3,350	1,100	1,600	1,750	4,250	700	1,750	1,250	009	850	2,500	29,750
Division box	sou 6	6	7	έο	4	9	9	20	m	7.	10	.	<u>ش</u>	25	120
al uit	ф 125	125	125	125	125	125	125	125	125	125	125	125	125	125	
Lateral conduit	m 1,800	1,400	006	2,500	550	006	1,600	4,100	009	1,600	2,600	1,100	1,200	4,200	25,050
Pond	m ³ 5,900	4,000*1	8,000	1	3,800	6,700	2,900	20,700*1	1,500	3,300	4,000	4,100	•	i .	67,900
rsion uit	•				200	200	200		200	200	200	200		300	
Diversion conduit	Ħ '	•	•		400	20	300		200	400	150	006	•	909	3,000
Intake facilities	deversoir	,	deversoir	1	20m width	10m width	30m width		7	Som wide	10m width	20m width	20m width	20m width	
Irrigation block	L-1	I.2	I-3-1	I-3-2	П-1	П-2	п-3	114	II-5) II-6	П-7	II-8	III-1-1	Ш-1-2	Total

Table 5.5.1 Water Consumption

Area	Water supply	Mean d	aily water	Max. daily water	
		supply.	(cu.m/day)	supply (cu.m/day)	
Area II-1	Drinking & Domestic		221	265.2	11.1
Alta II-I	Livestok	1	4.5	6.8	
	Washing & Spraying		17.0	25.5	
÷,	Total		242.5	297.5	* :
	(Vital		L76.J	271.3	
Area II-2	Drinking & Domestic		242.6	291.1	j. i
	Livestok		4.5	6.8	
	Washing & Spraying		17.0	25.5	
:	Total		264.1	323.4	
			1.5		7
Area II-3	Drinking & Domestic		232.8	279.4	. e
	Livestok		7.9	12.0	*- vi
	Washing & Spraying		17.0	25.5	
	Total		257.7	316.9	
Area II-4	Drinking & Domestic		138.9	166.7	1. j
	Livestok	÷	4.7	7.1	
	Washing & Spraying		21.7	32.6	
	Total		165.3	206.4	
Area II-5	Drinking & Domestic		244.8	293.8	
	Livestok		7.3	11.0	
٠.	Washing & Spraying	4	15.7	23.6	
	Total		267.8	328.4	1 /
Area II-6	Drinking & Domestic		217.1	260.5	
	Livestok		7.1	10.7	
	Washing & Spraying		18.3	27.5	
	Total		242.5	298.7	
					1
Area III-1	Drinking & Domestic		187.5	225.0	
•	Livestok		. 6.1	9.3	
	Washing & Spraying	, i	26.7	40.1	
	Total		220.3	274.4	
meet	The tall the company of the contract of the co		14047	tetn .	
Total	Drinking & Domestic		1484.7	1518.4	
	Livestok	1. 14. 14. 14. 14. 14. 14. 14. 14. 14. 1	42.1	63.7	1
**	Washing & Spraying		133.4	200.3	s)
	Tak-1		1660.0	2045 7	11
•	Total		1660.2	2045.7	

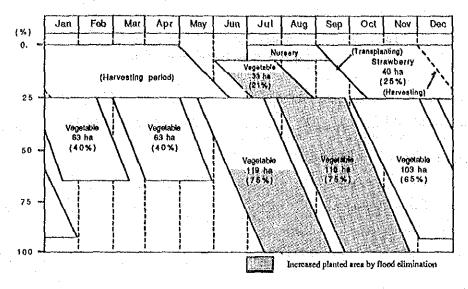
Table 5.9.1 Procurement Cost of Project Office Equipment for Implementation and O & M

	·	(Unit: 10 ³ F	1)
Equipment	Unit Price	Quantity	Amount
Vehicles			
— 4 wheel-drive jeep	300	2	600
— 4 wheel-drive pick-up	280	1	280
- Motorcycles	20	3	60
- Spare parts (10 % of above)			94
Office Equipment			
— Photo copier	15 ~	1	. 15
Micro computer / Word processor with accessories	90	1	90
— Type writer	30	2	60
- Audio visual aid	15	1	15
— Camera with accessories	12	1	12
Furniture	24	Various	24
Others	10	Various	10
Observation Unit			
Metorological observation equipment		Ls.	800
Water quality test equipment		Ls.	300
		:	
Total			2,360

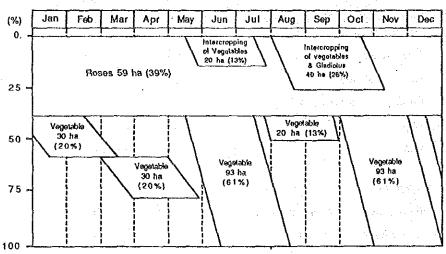
Table 5.9.2 Procurement Cost of O & M Equipment for Garbage Disposal

	(Unit : 10 ³	x /
Unit Price	Quantity	Amoun
800	2	1.600
		٠
		1,600

Zone-I (Net 159 ha)



Zone-II (Net 152 ha)



Zone-III (Net 70 ha)

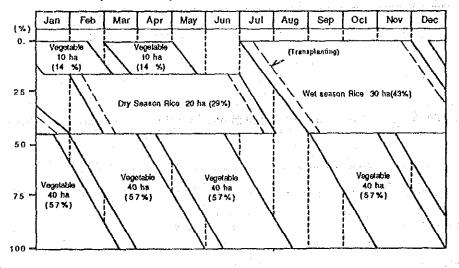
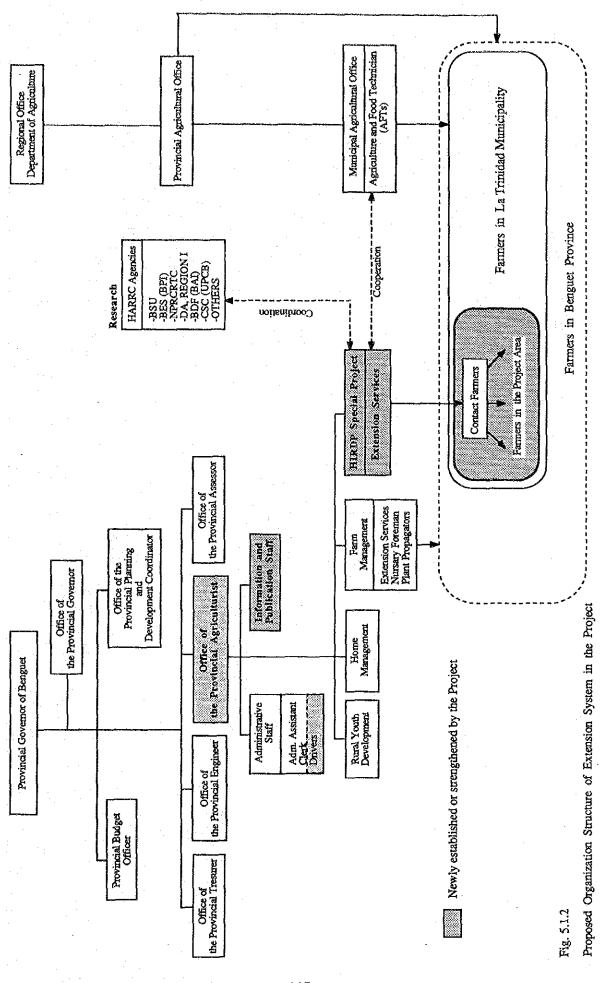
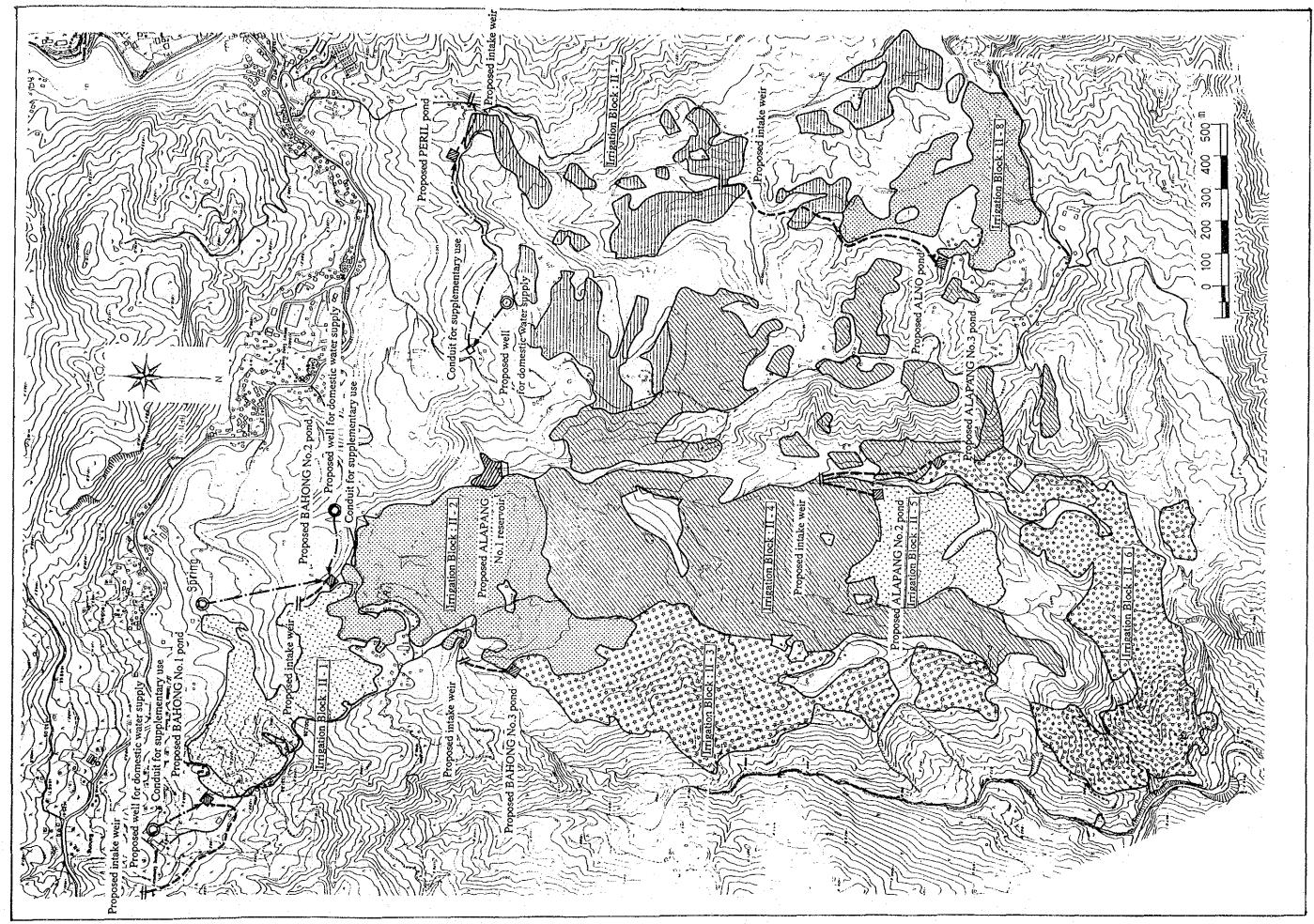
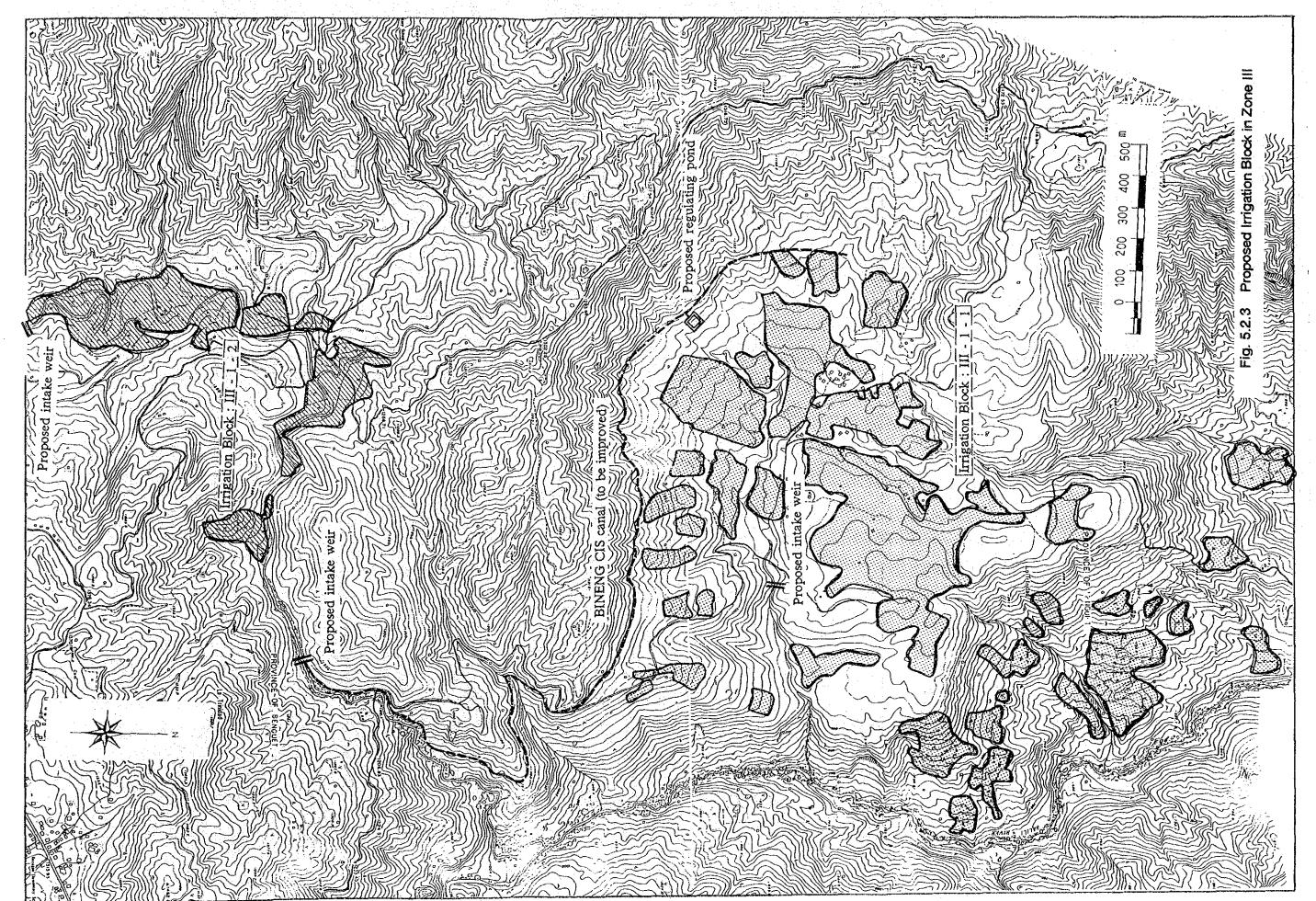


Fig. 5.1.1 Proposed Cropping Pattern



ig. 5.2.1 Proposed Irrigation Block in Zone I







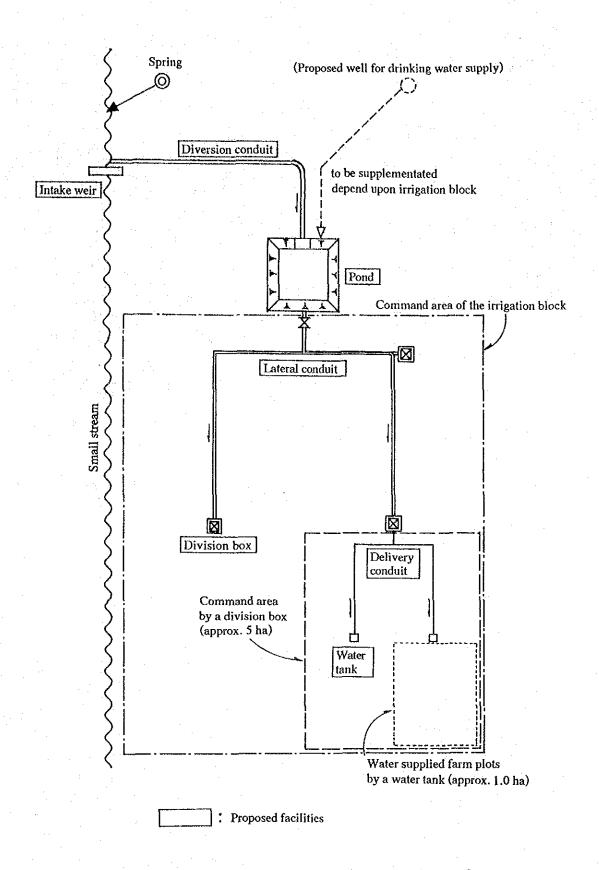


Fig. 5.2.4 Schematic Diagram of Proposed Irrigation System

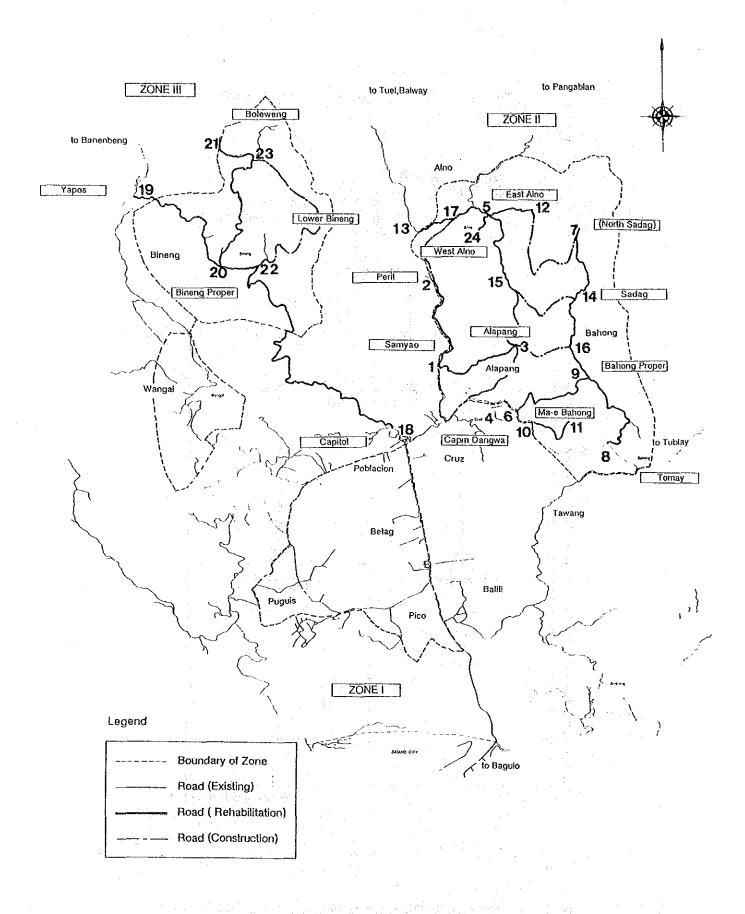
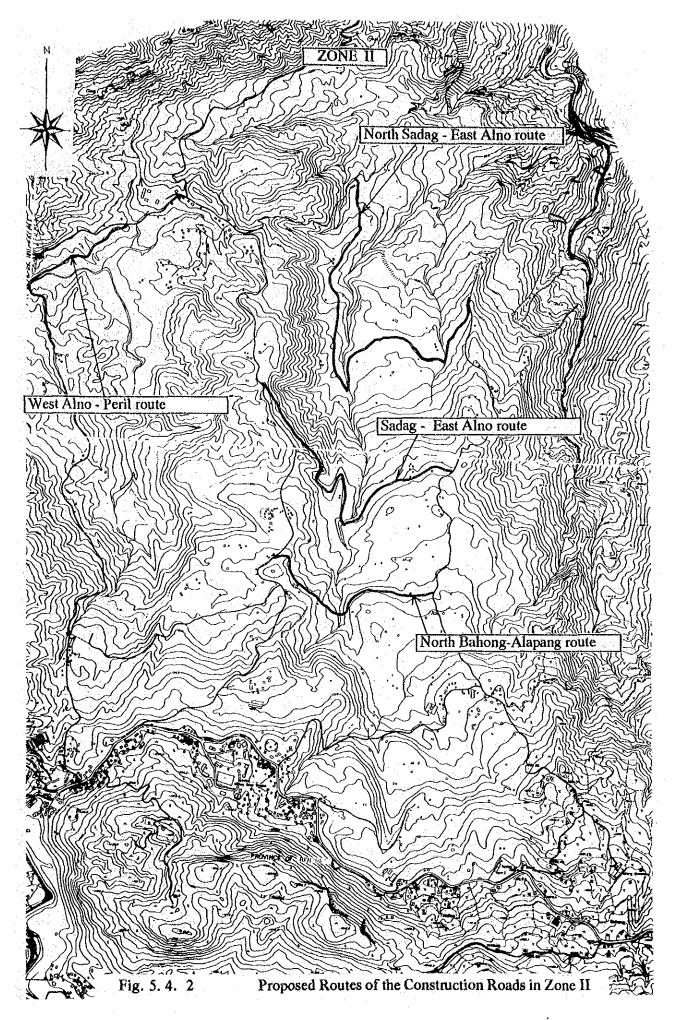
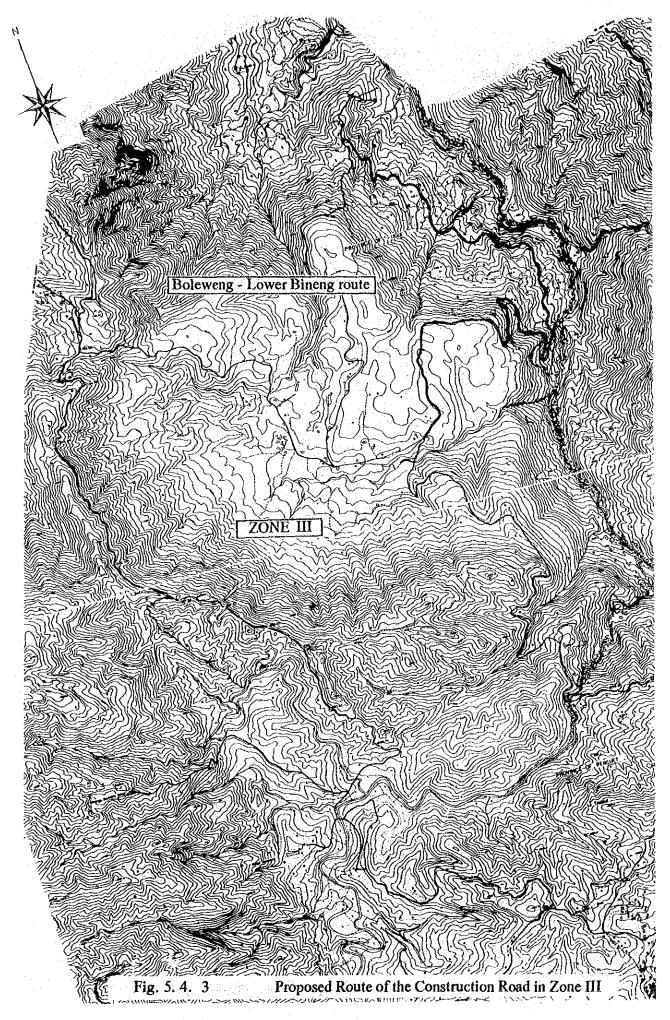
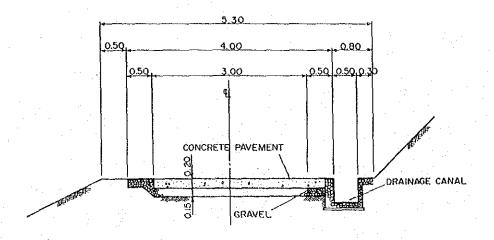


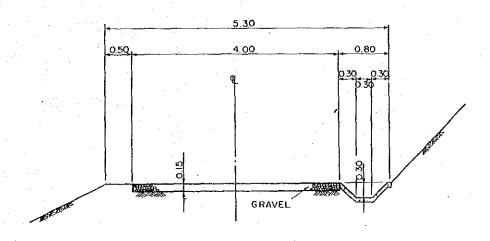
Fig. 5.4.1 Plan of Road Rehabilitation and Construction



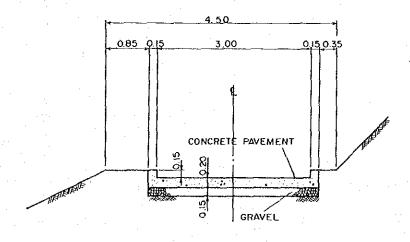




STANDARD SECTION



STANDARD SECTION
NEW CONSTRUCTION ROAD
SCALE 1: 50



STANDARD SECTION
WATERWAY ROAD

Fig. 5.4.4 Standard Section of the Road

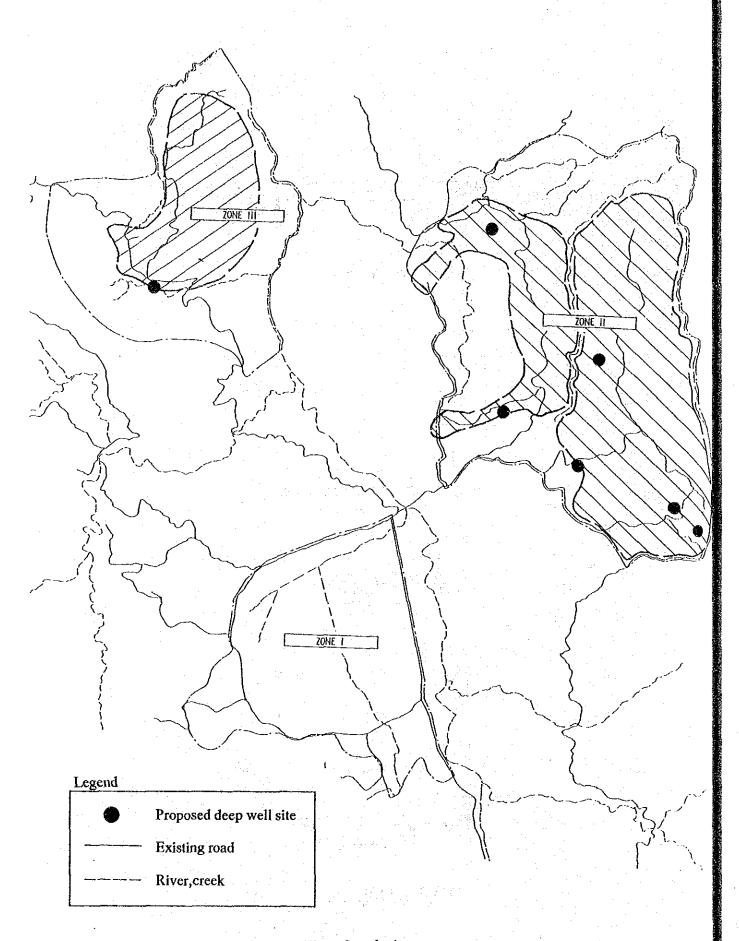
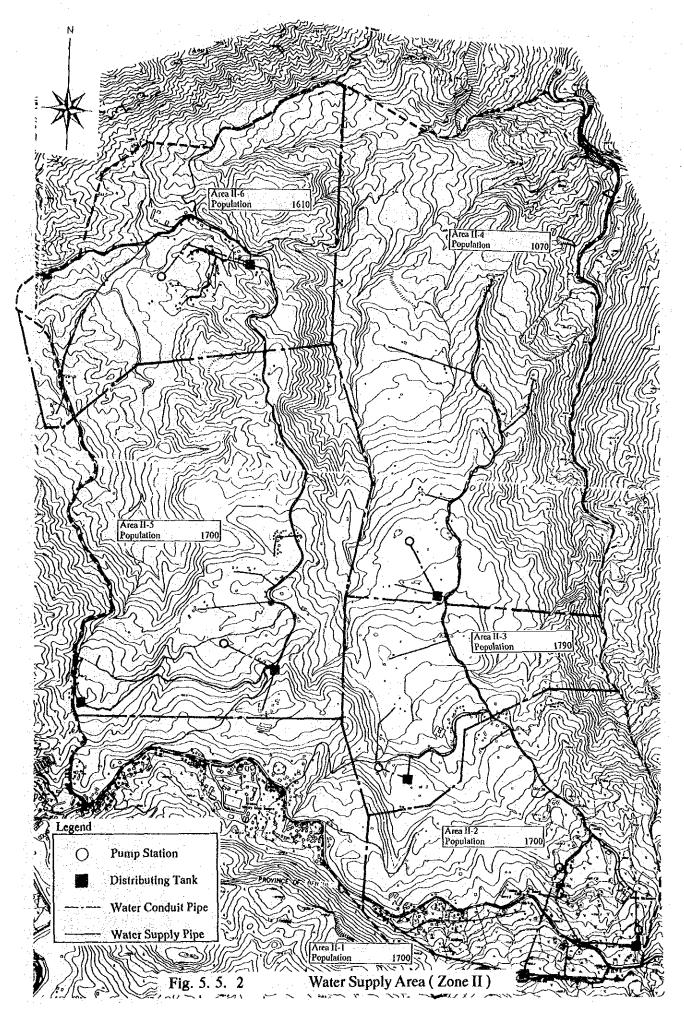
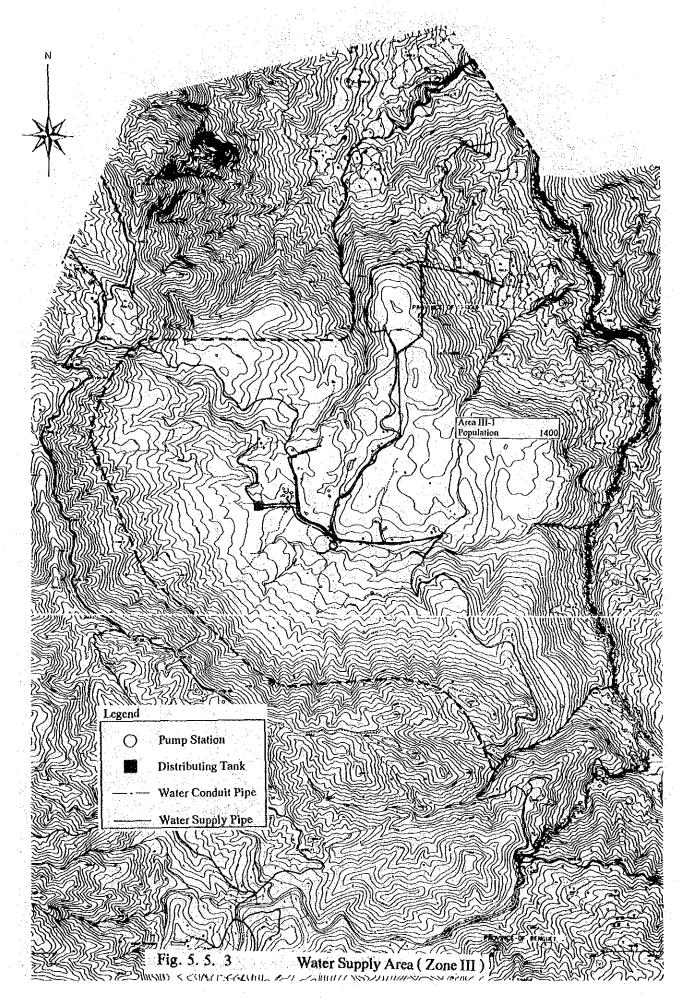
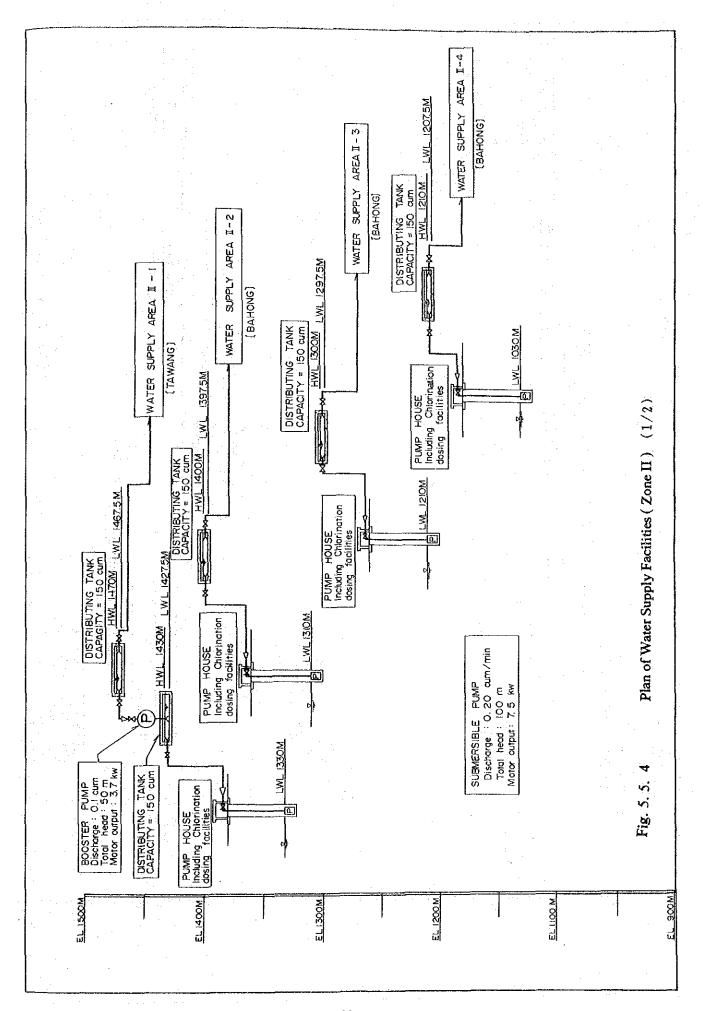
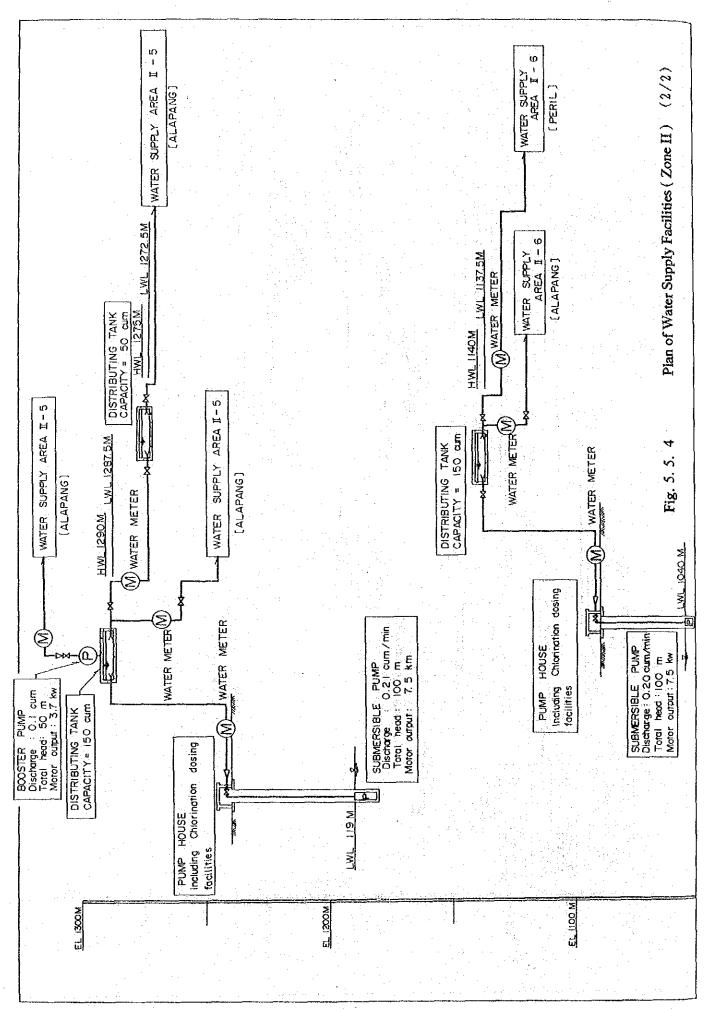


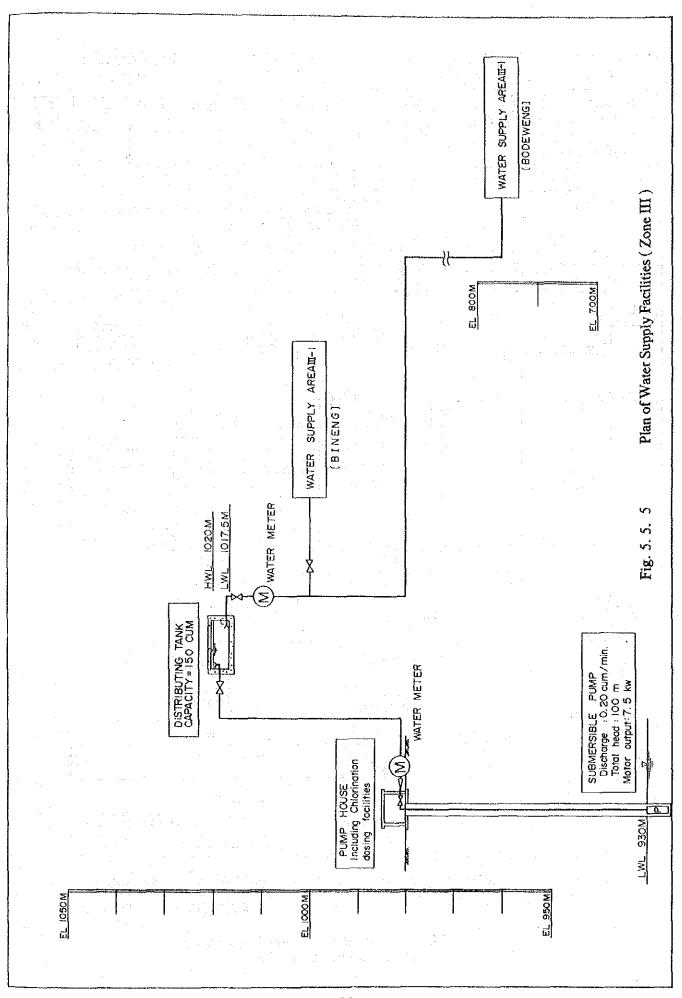
Fig.5.5.1 Water Supply Area











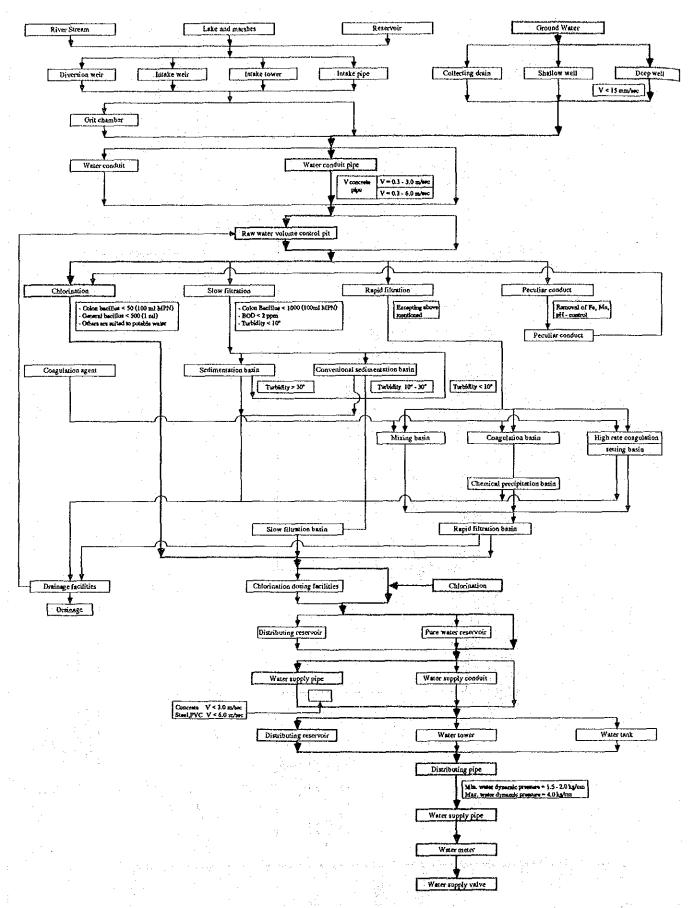


Fig. 5.5.6 Flow Sheet of Drinking Water Supply Water Source - Deep Well