

Fire Officer = 1 (B.P.S. 16)

NAIB QASID = 1
(B.P.S. 1)

L.D.C. = 1
(B.P.S. 5)

Fire Instructor = 1
(B.P.S. 10)

U.D.C. = 1
(B.P.S. 7)

A.S.K. = 1
(B.P.S. 7)

Fire Cont. Sup. = 2
(B.P.S. 7)

Leading Firemen = 13
(B.P.S. 5)

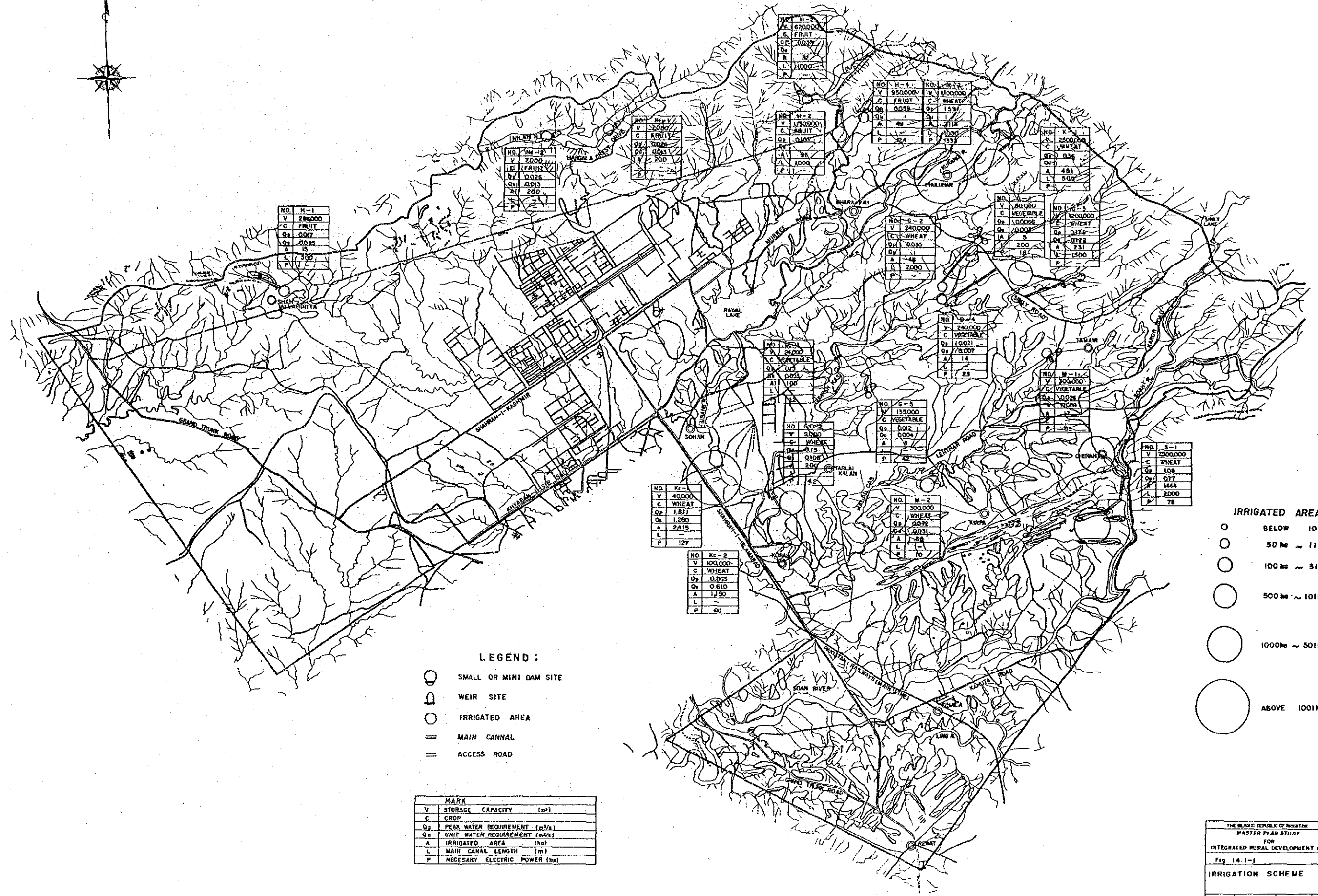
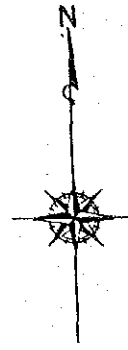
Drivers = 23
(B.P.S. 5,4,6)

Firemen = 94
(B.P.S. 4)

Fire Engine Operators = 2
(B.P.S. 7)

FIG. 11.4-2

ORGANIZATION OF THE CDA FIRE BRIGADE
(As of Aug. 1985)



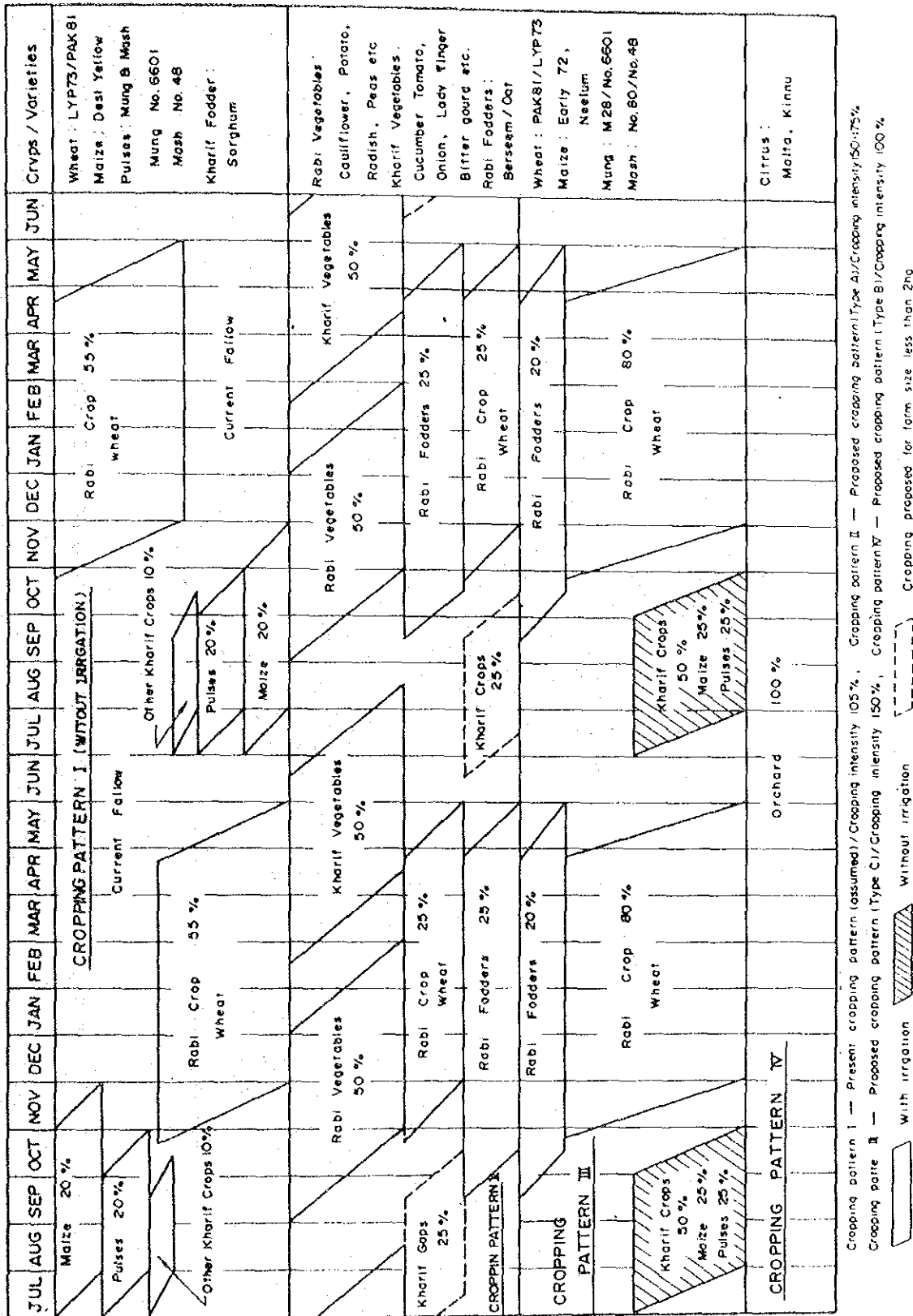
- LEGEND :**
- SMALL OR MINI DAM SITE
 - WEIR SITE
 - IRRIGATED AREA
 - MAIN CANAL
 - ACCESS ROAD

MARK	
V	STORAGE CAPACITY (m ³)
C	CROP
Q _p	PEAK WATER REQUIREMENT (m ³ /s)
Q _u	UNIT WATER REQUIREMENT (mm/s)
A	IRRIGATED AREA (ha)
L	MAIN CANAL LENGTH (m)
P	NECESSARY ELECTRIC POWER (hp)

- IRRIGATED AREA**
- BELOW 10 ha
 - 50 ha ~ 100 ha
 - 100 ha ~ 500 ha
 - 500 ha ~ 1000 ha
 - 1000 ha ~ 5000 ha
 - ABOVE 1000 ha

1:1000 0 1 2 3 4 5 Km

THE PEOPLE'S REPUBLIC OF CHINA	
MASTER PLAN STUDY	
FOR	
INTEGRATED RURAL DEVELOPMENT PROJECT	
Fig. 14.1-1	
IRRIGATION SCHEME	
DATE	DECEMBER 1985 SHEET NO.
JAPAN INTERNATIONAL COOPERATION AGENCY	



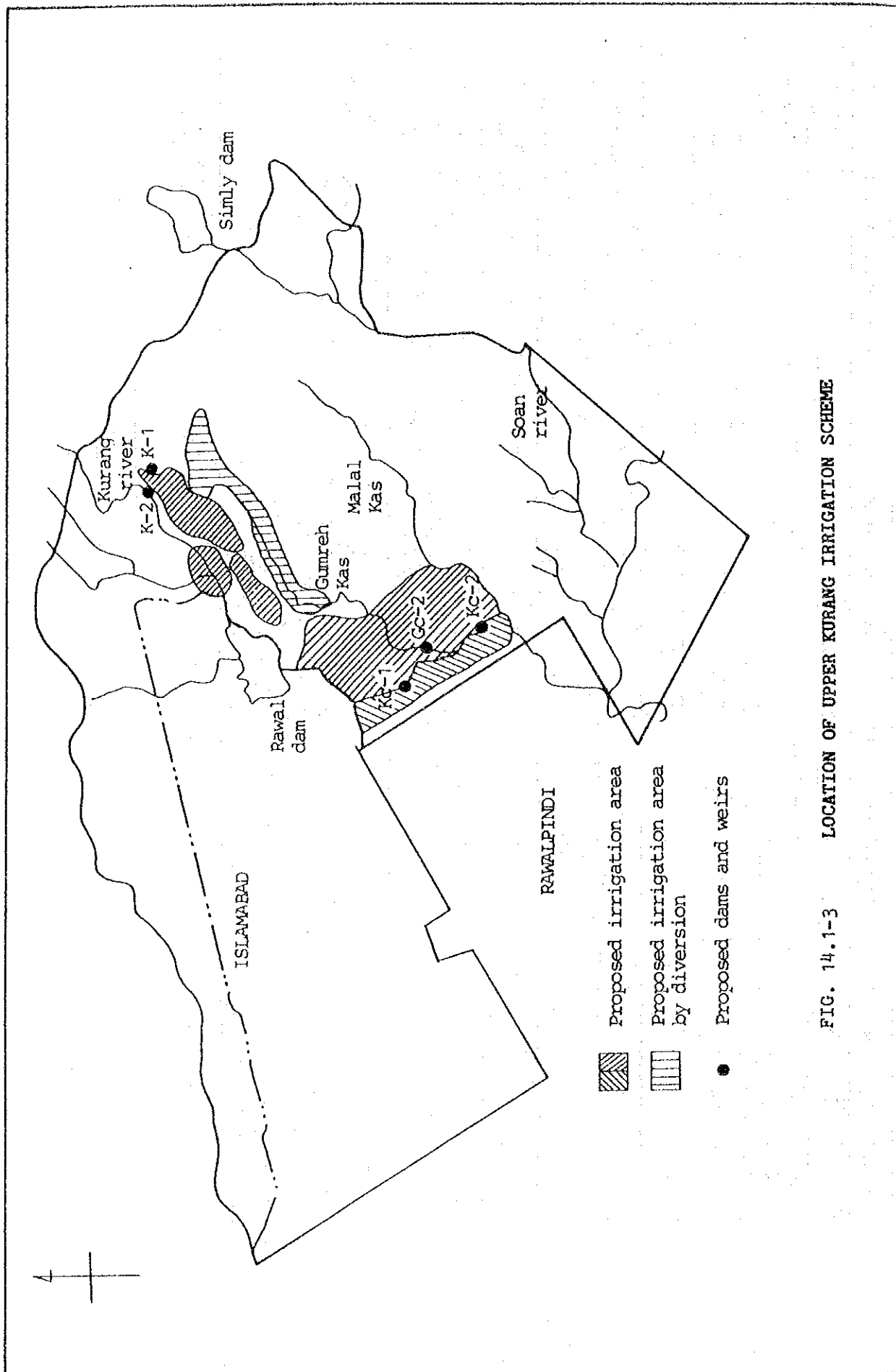
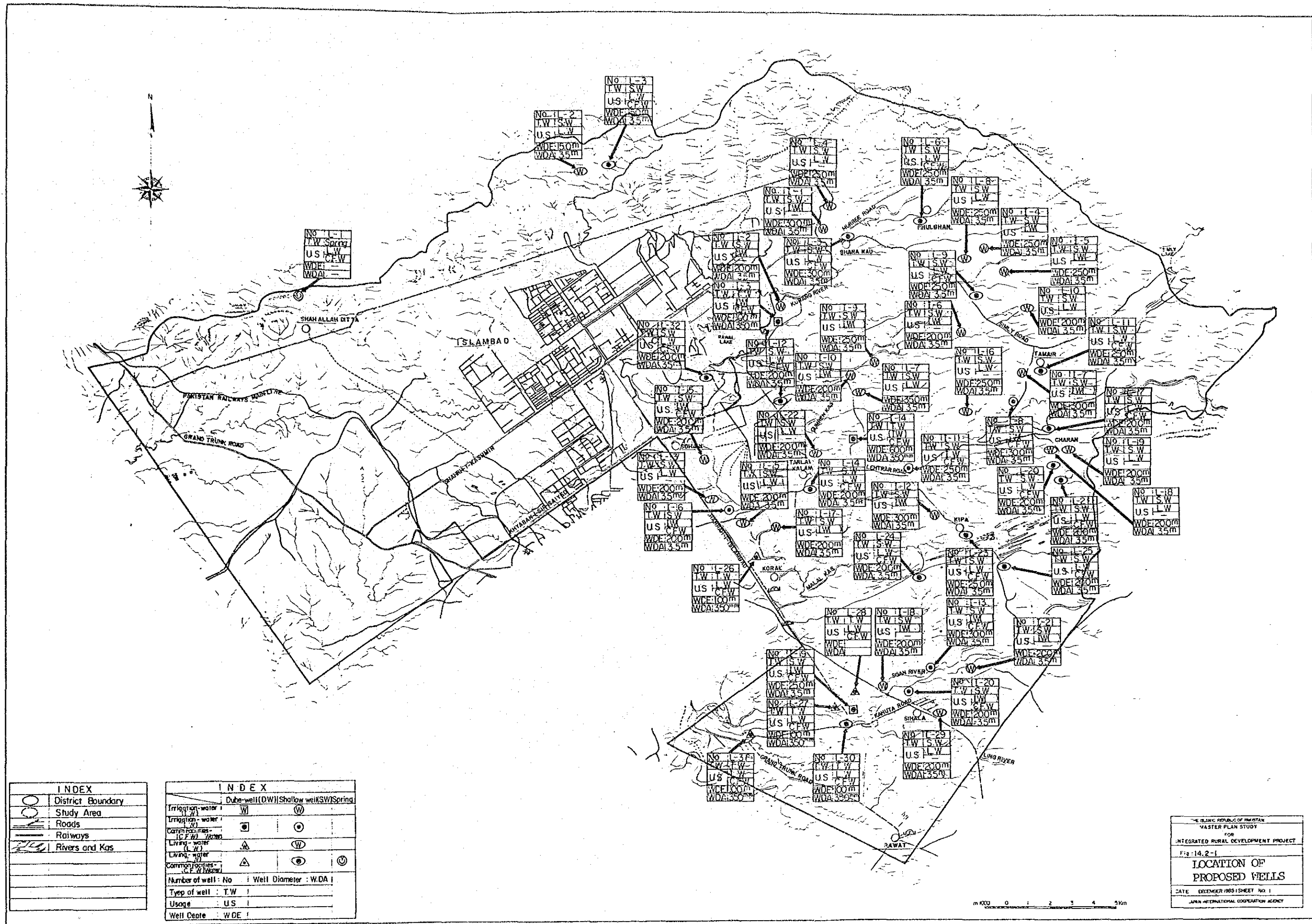
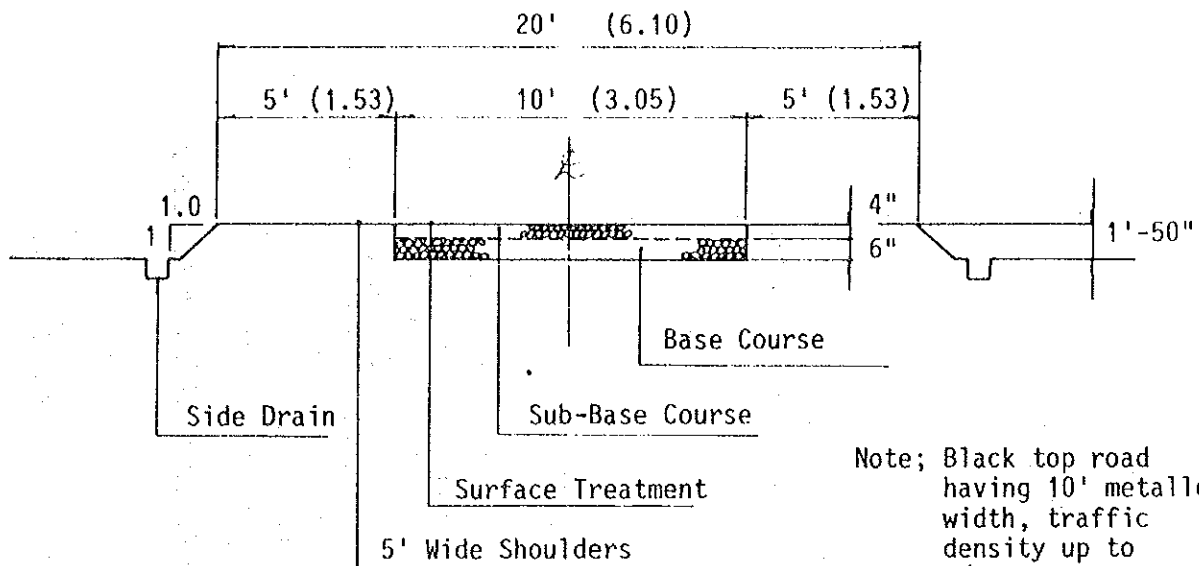


FIG. 14.1-3 LOCATION OF UPPER KURANG IRRIGATION SCHEME

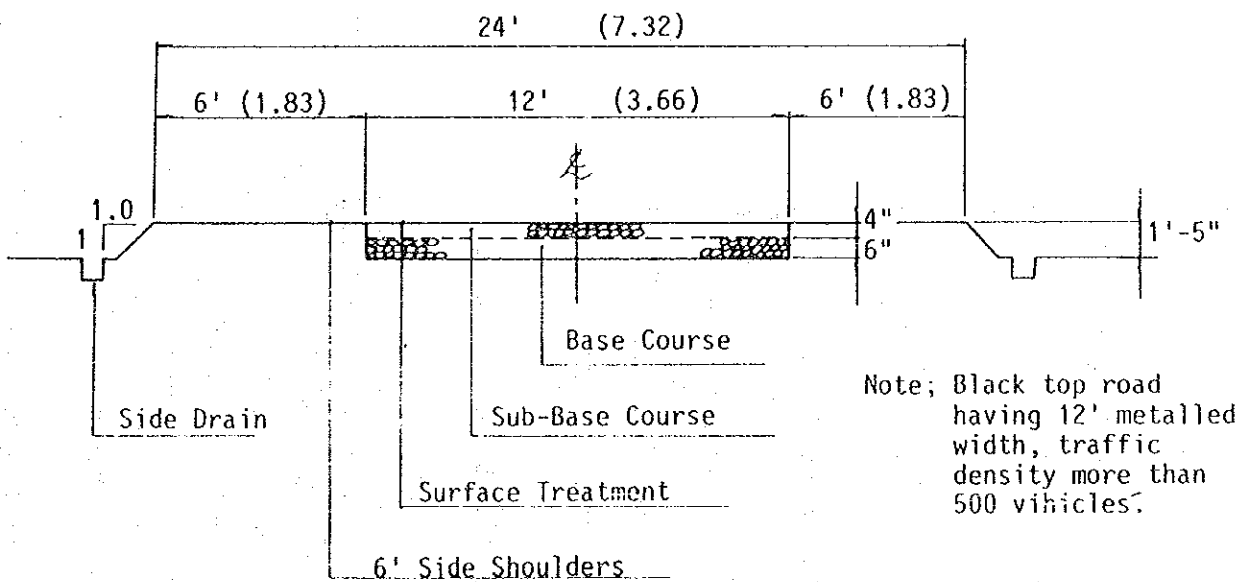




TYPE I



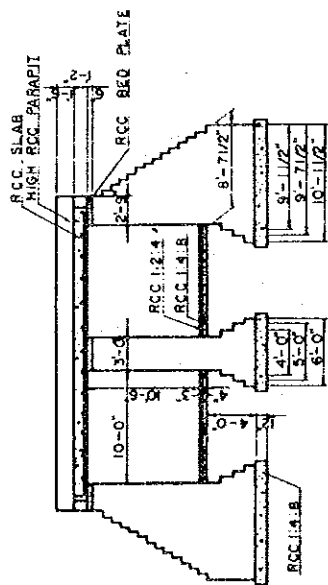
TYPE II



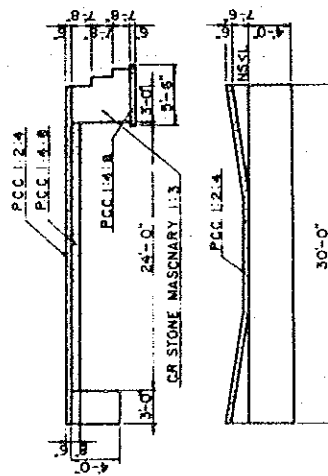
Remarks : () in meter

FIG. 14.4-2

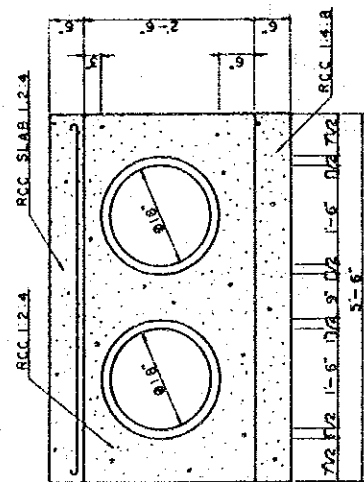
PROPOSED CROSS SECTION OF VILLAGE LINK ROAD



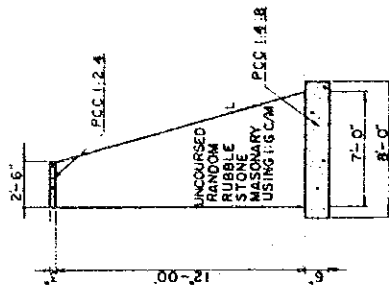
CROSS SECTION OF 10' SPAN CULVERT



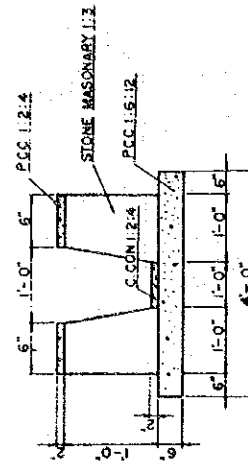
CROSS SECTION OF CAUSEWAY



CROSS SECTION OF PIPE CULVERT



CROSS SECTION OF 11' HIGH RETAINING WALL



STANDARD DESIGN OF V SHAPE DRAIN

FIG. 14.4-3 STAND AND SECTION OF ROAD STRUCTURE

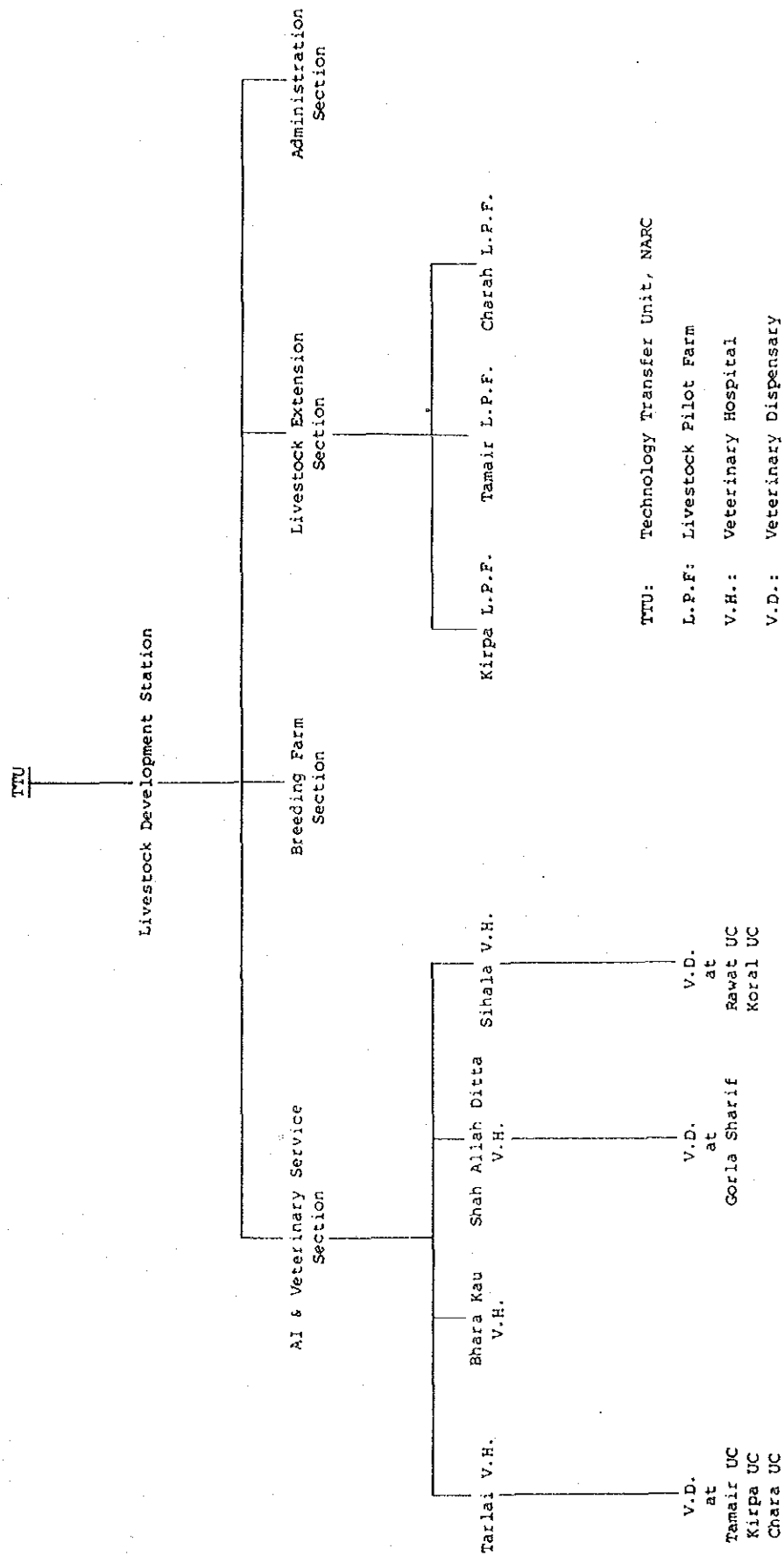
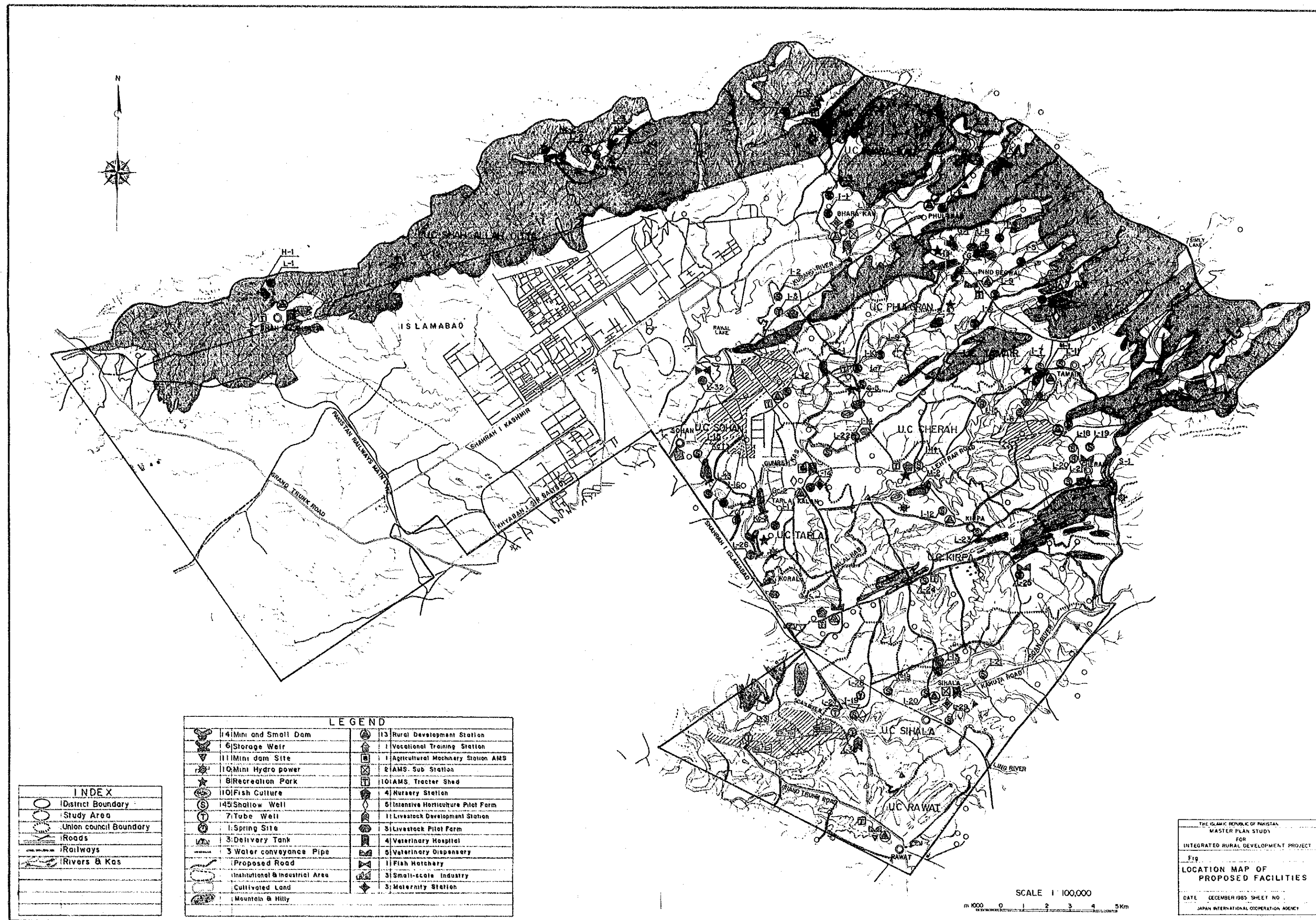
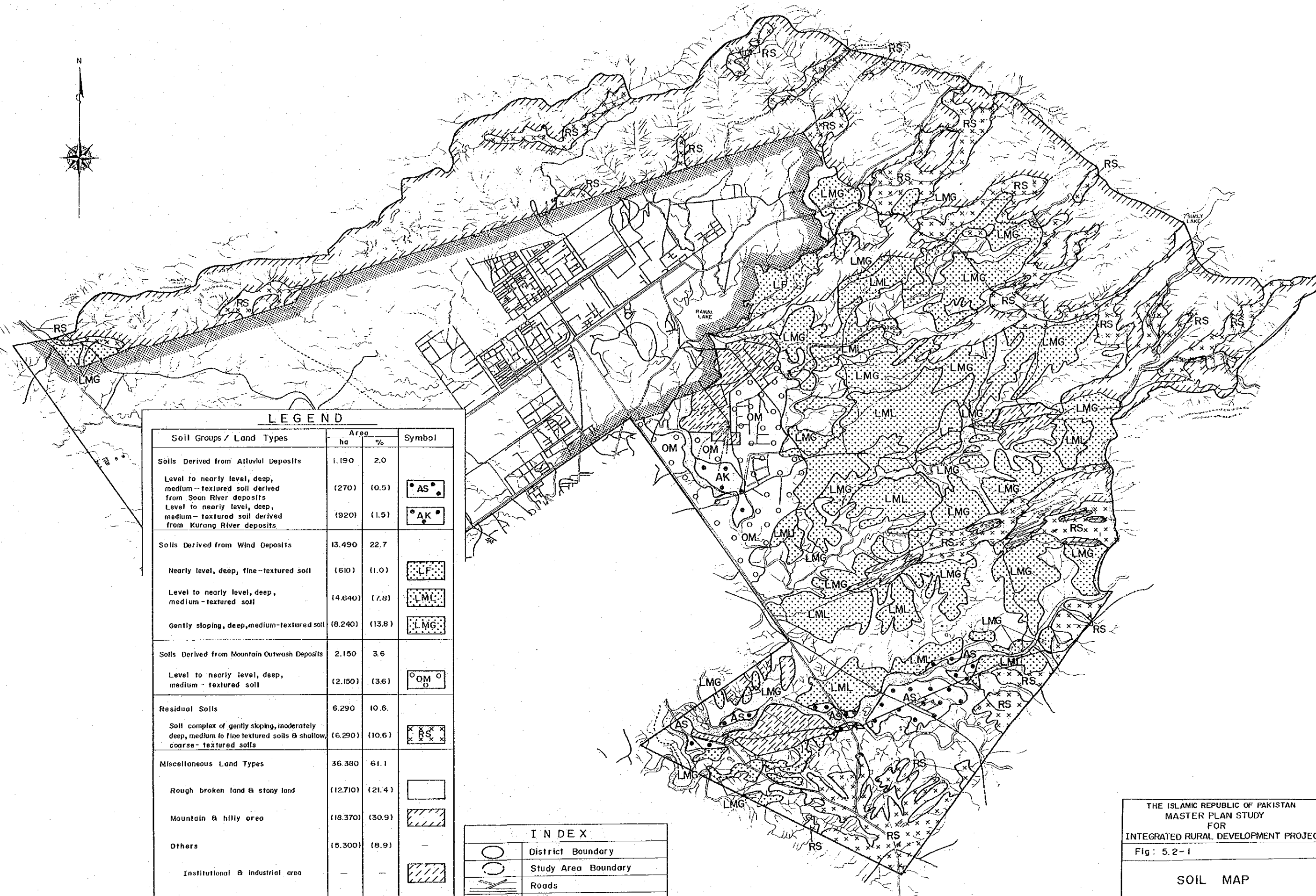


FIG. 14.6-1 PROPOSED ORGANIZATION CHART FOR LIVESTOCK DEVELOPMENT STATION





LEGEND

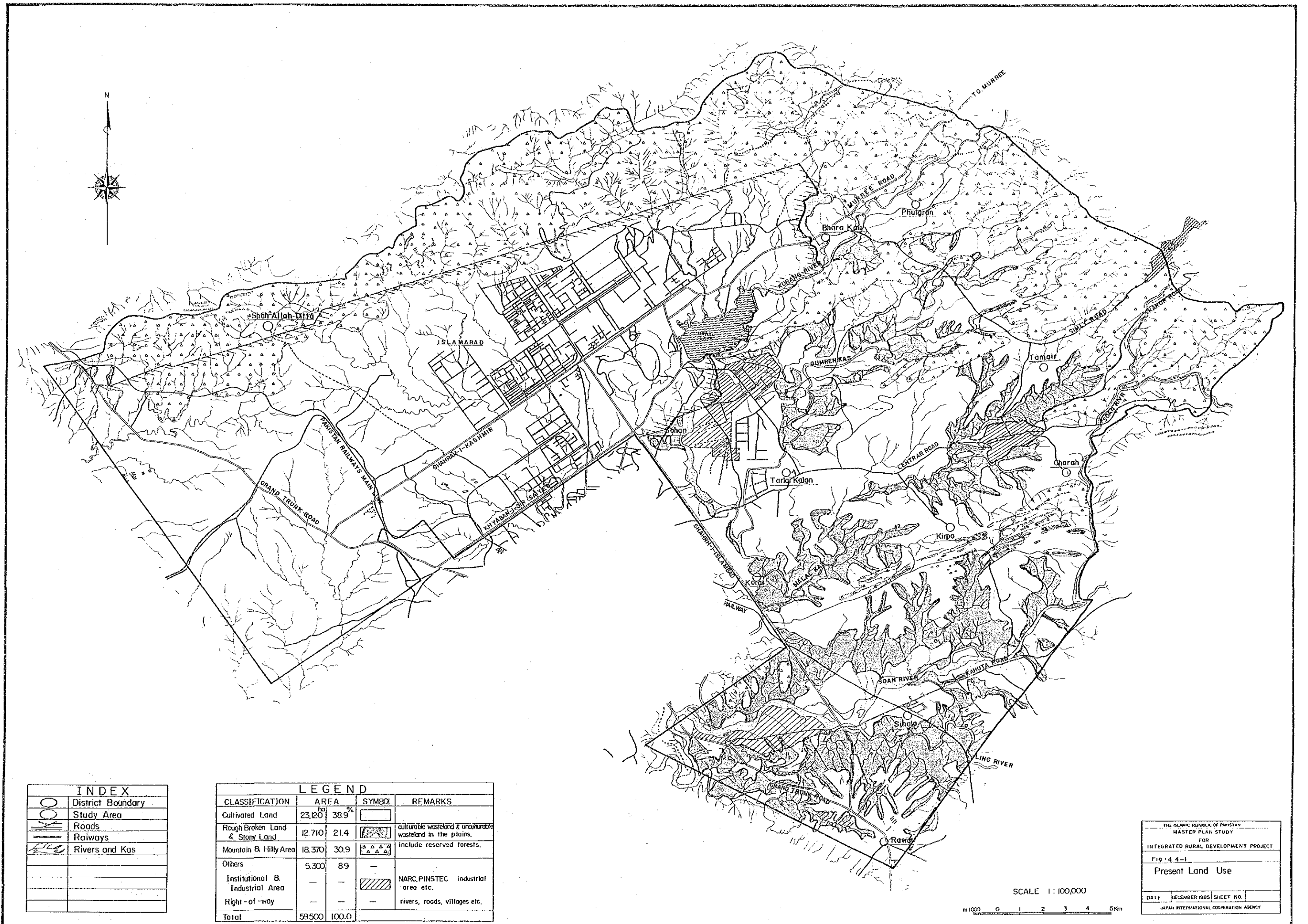
Soil Groups / Land Types	Area ha	%	Symbol
Soils Derived from Alluvial Deposits	1,190	2.0	
Level to nearly level, deep, medium-textured soil derived from Soan River deposits	(270)	(0.5)	AS
Level to nearly level, deep, medium-textured soil derived from Kurang River deposits	(920)	(1.5)	AK
Soils Derived from Wind Deposits	13,490	22.7	
Nearly level, deep, fine-textured soil	(610)	(1.0)	LF
Level to nearly level, deep, medium-textured soil	(4,640)	(7.8)	LML
Gently sloping, deep, medium-textured soil	(8,240)	(13.8)	LMG
Soils Derived from Mountain Outwash Deposits	2,150	3.6	
Level to nearly level, deep, medium-textured soil	(2,150)	(3.6)	OM
Residual Soils	6,290	10.6	
Soil complex of gently sloping, moderately deep, medium to fine textured soils & shallow, coarse-textured soils	(6,290)	(10.6)	RS
Miscellaneous Land Types	36,380	61.1	
Rough broken land & stony land	(12,710)	(21.4)	
Mountain & hilly area	(18,370)	(30.9)	
Others	(5,300)	(8.9)	
Institutional & industrial area	—	—	
Rivers, roads, villages etc.	—	—	
Study Area	59,500	100.0	

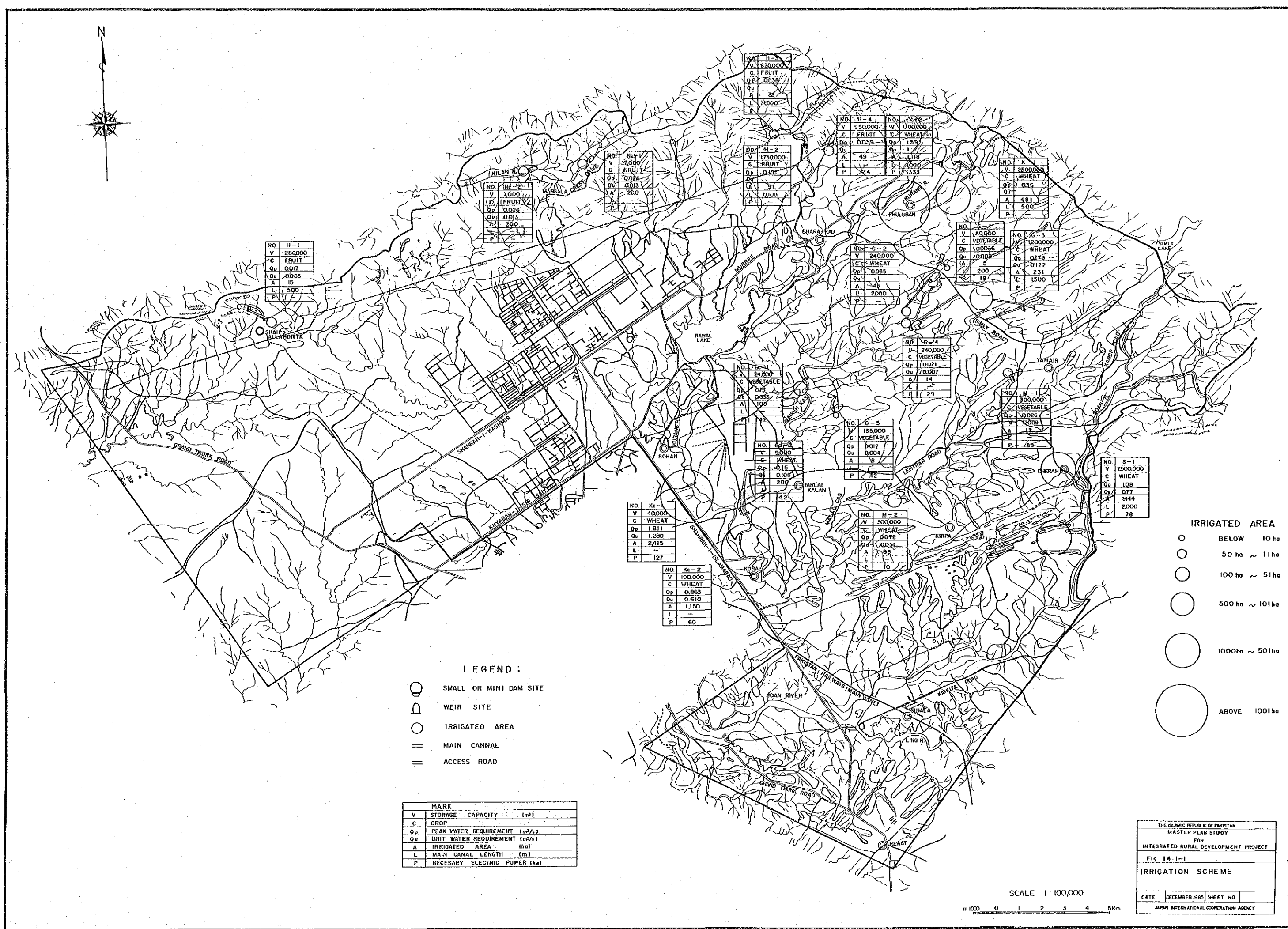
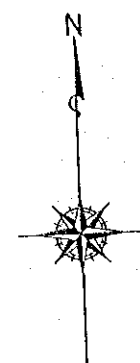
INDEX

	District Boundary
	Study Area Boundary
	Roads
	Railways
	Rivers or Kars

SCALE 1:100,000

THE ISLAMIC REPUBLIC OF PAKISTAN MASTER PLAN STUDY FOR INTEGRATED RURAL DEVELOPMENT PROJECT			
Fig: 5.2-1			
SOIL MAP			
DATE	DECEMBER 1985	SHEET No.	
JAPAN INTERNATIONAL COOPERATION AGENCY			





NO.	H-1
V	285000
C	FRUIT
Qp	0017
Qw	0085
A	15
L	500
P	15

NO.	H-2
V	7000
C	FRUIT
Qp	0026
Qw	0013
A	200
L	200
P	15

NO.	H-3
V	2000
C	FRUIT
Qp	0026
Qw	0013
A	200
L	200
P	15

NO.	H-4
V	820000
C	FRUIT
Qp	0039
Qw	0039
A	32
L	1000
P	15

NO.	H-5
V	950000
C	FRUIT
Qp	0053
Qw	0053
A	49
L	24
P	15

NO.	H-6
V	1000000
C	FRUIT
Qp	0053
Qw	0053
A	49
L	24
P	15

NO.	H-7
V	2500000
C	FRUIT
Qp	0053
Qw	0053
A	49
L	24
P	15

NO.	H-8
V	80000
C	VEGETABLE
Qp	00056
Qw	0003
A	5
L	18
P	15

NO.	H-9
V	1200000
C	FRUIT
Qp	0012
Qw	0122
A	231
L	1500
P	15

NO.	K-1
V	240000
C	VEGETABLE
Qp	0021
Qw	00007
A	14
L	29
P	15

NO.	K-2
V	135000
C	VEGETABLE
Qp	0012
Qw	0004
A	8
L	42
P	15

NO.	K-3
V	500000
C	FRUIT
Qp	0072
Qw	0051
A	86
L	10
P	15

NO.	S-1
V	7500000
C	WHEAT
Qp	108
Qw	077
A	1444
L	2000
P	78

NO.	Kc-1
V	40000
C	WHEAT
Qp	1811
Qw	1280
A	2415
L	127
P	127

NO.	Kc-2
V	100000
C	WHEAT
Qp	0865
Qw	0610
A	1150
L	60
P	60

- LEGEND :
- SMALL OR MINI DAM SITE
 - WEIR SITE
 - IRRIGATED AREA
 - = MAIN CANNAL
 - = ACCESS ROAD

MARK	
V	STORAGE CAPACITY (m³)
C	CROP
Qp	PEAK WATER REQUIREMENT (m³/s)
Qw	UNIT WATER REQUIREMENT (m³/s)
A	IRRIGATED AREA (ha)
L	MAIN CANAL LENGTH (m)
P	NECESSARY ELECTRIC POWER (kw)

- IRRIGATED AREA
- BELOW 10 ha
 - 50 ha ~ 11 ha
 - 100 ha ~ 51 ha
 - 500 ha ~ 101 ha
 - 1000 ha ~ 501 ha
 - ABOVE 1001 ha

SCALE 1:100,000

0 1 2 3 4 5 Km

THE ISLAMIC REPUBLIC OF PAKISTAN	
MASTER PLAN STUDY	
FOR	
INTEGRATED RURAL DEVELOPMENT PROJECT	
Fig 14.1-1	
IRRIGATION SCHEME	
DATE	DECEMBER 1985 SHEET NO
JAPAN INTERNATIONAL COOPERATION AGENCY	

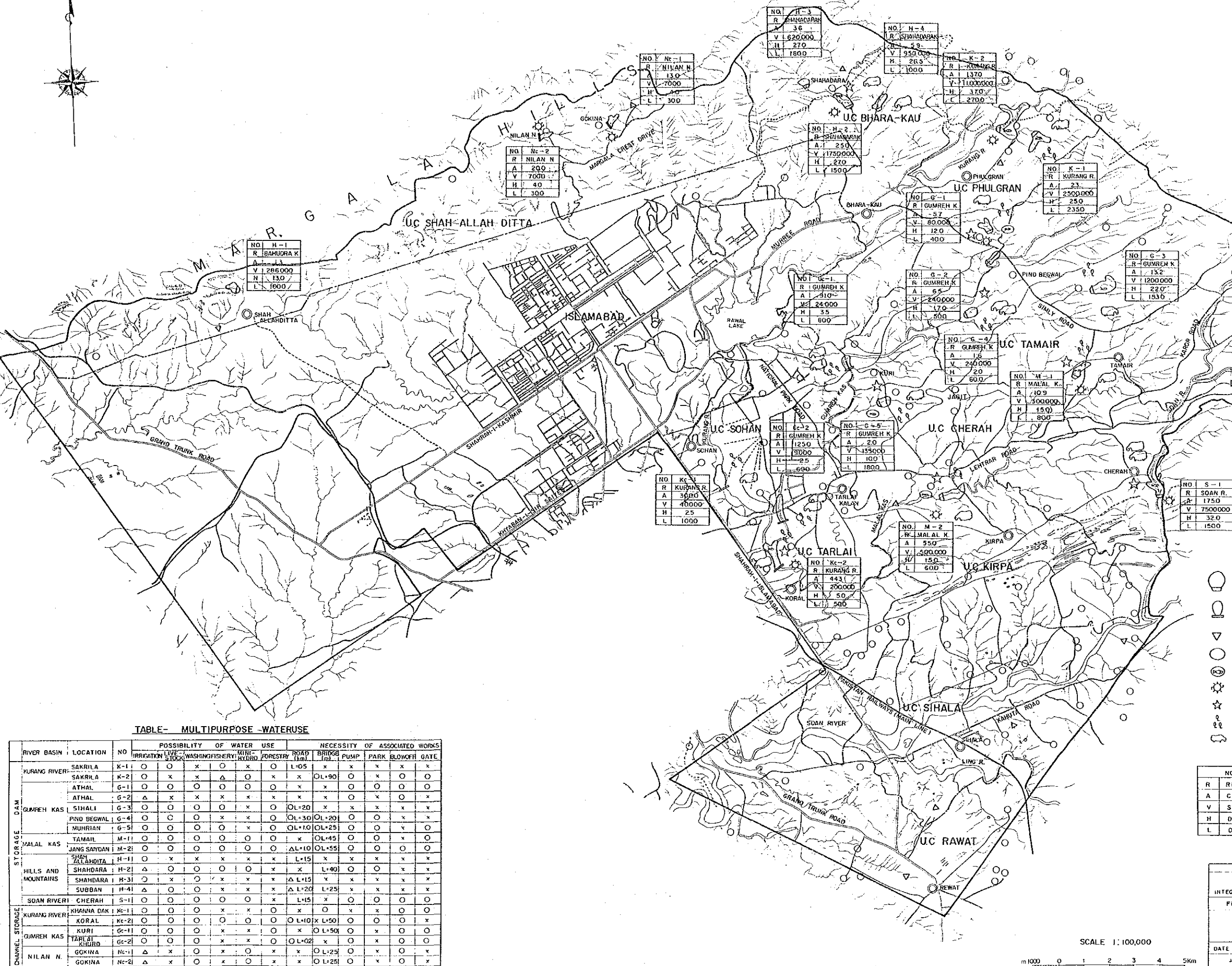
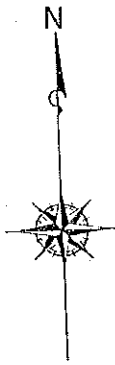


TABLE- MULTIPURPOSE WATERUSE

RIVER BASIN	LOCATION	NO	POSSIBILITY OF WATER USE					NECESSITY OF ASSOCIATED WORKS				
			IRRIGATION	LIVE STOCK	WASHING	FISHERY	MINI HYDRO	ROAD	BRIDGE	PUMP	PARK	BLOWOFF GATE
DAM	KURANG RIVER	SAKRILA K-1	O	O	X	O	X	L-05	X	X	X	X
		SAKRILA K-2	O	X	X	X	X	L-90	X	X	O	X
	ATHAL	G-1	O	O	O	O	O	X	X	O	O	O
		G-2	X	X	X	X	X	X	X	O	X	O
	GUMREH KAS	SIHALI G-3	O	O	O	X	O	OL-20	X	X	X	X
		PIND BEGWAL G-4	O	O	O	X	X	OL-30	OL-20	O	O	X
	MUHRIAN	G-5	O	O	O	O	X	OL-10	OL-25	O	O	O
		M-1	O	O	O	O	O	OL-45	O	O	X	O
	MALAL KAS	TAMAIL M-2	O	O	O	O	O	AL-10	OL-55	O	O	O
		JANG SAYDAN M-3	O	O	O	O	O	AL-15	OL-25	O	O	O
HILLS AND MOUNTAINS	SHAHADARA H-1	O	X	X	X	X	X	L-15	X	X	X	X
	SHAHADARA H-2	O	X	X	X	X	X	L-40	O	X	X	X
	SHAHADARA H-3	O	X	X	X	X	X	AL-15	X	X	X	X
	SUBBAN H-4	O	X	X	X	X	X	AL-20	L-25	X	X	X
SOAN RIVER	CHERAH S-1	O	O	O	O	O	X	L-15	X	O	O	O
	CHERAH S-2	O	O	O	O	O	X	L-15	X	O	O	O
CHANNEL STORAGE	KURANG RIVER	KHANNA DAK Kc-1	O	O	O	O	O	O	X	X	O	O
		KORAL Kc-2	O	O	O	O	O	O	L-10	X	L-50	O
	GUMREH KAS	KURI Gc-1	O	O	O	X	X	O	X	O	L-50	O
		TARLAI KURD Gc-2	O	O	O	X	X	O	L-02	X	O	O
NILAN N.	GOKINA Nc-1	O	X	O	X	O	X	O	L-25	O	X	O
	GOKINA Nc-2	O	X	O	X	O	X	O	L-25	O	X	O

- LEGEND:
- SMALL OR MINI DAM SITE
 - WEIR SITE
 - MINI DAM SITE
 - IRRIGATION
 - FISH CULTURE
 - MINI HYDRO-POLVER
 - RECREATION PARK
 - FORESTRY
 - LIVE-STOCK

NO	RIVER NAME
A	CATCHMENT AREA (Km ²)
V	STORAGE CAPACITY (m ³)
H	DAM HEIGHT (m)
L	DAM LENGTH (m)

THE ISLAMIC REPUBLIC OF PAKISTAN
MASTER PLAN STUDY
FOR
INTEGRATED RURAL DEVELOPMENT PROJECT
Fig. 9.2-5
WATER RESOURCES
DEVELOPMENT SCHEME
DATE: DECEMBER 1985 SHEET NO. 1
JAPAN INTERNATIONAL COOPERATION AGENCY

SCALE 1:100,000

0 1 2 3 4 5 Km

