



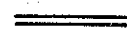

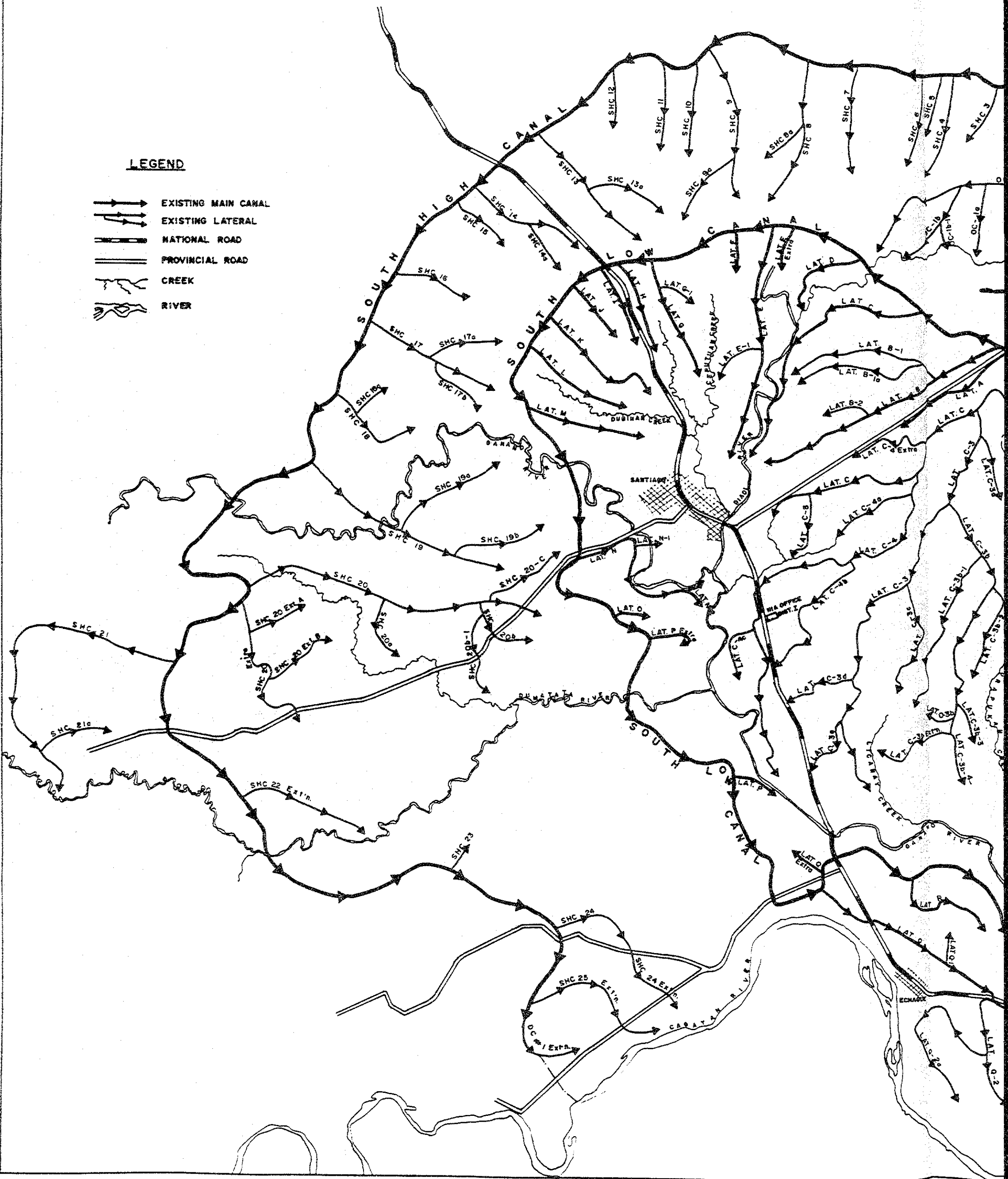


LAYOUT MAP OF CANAL SYSTEM IN DISTRICT - I

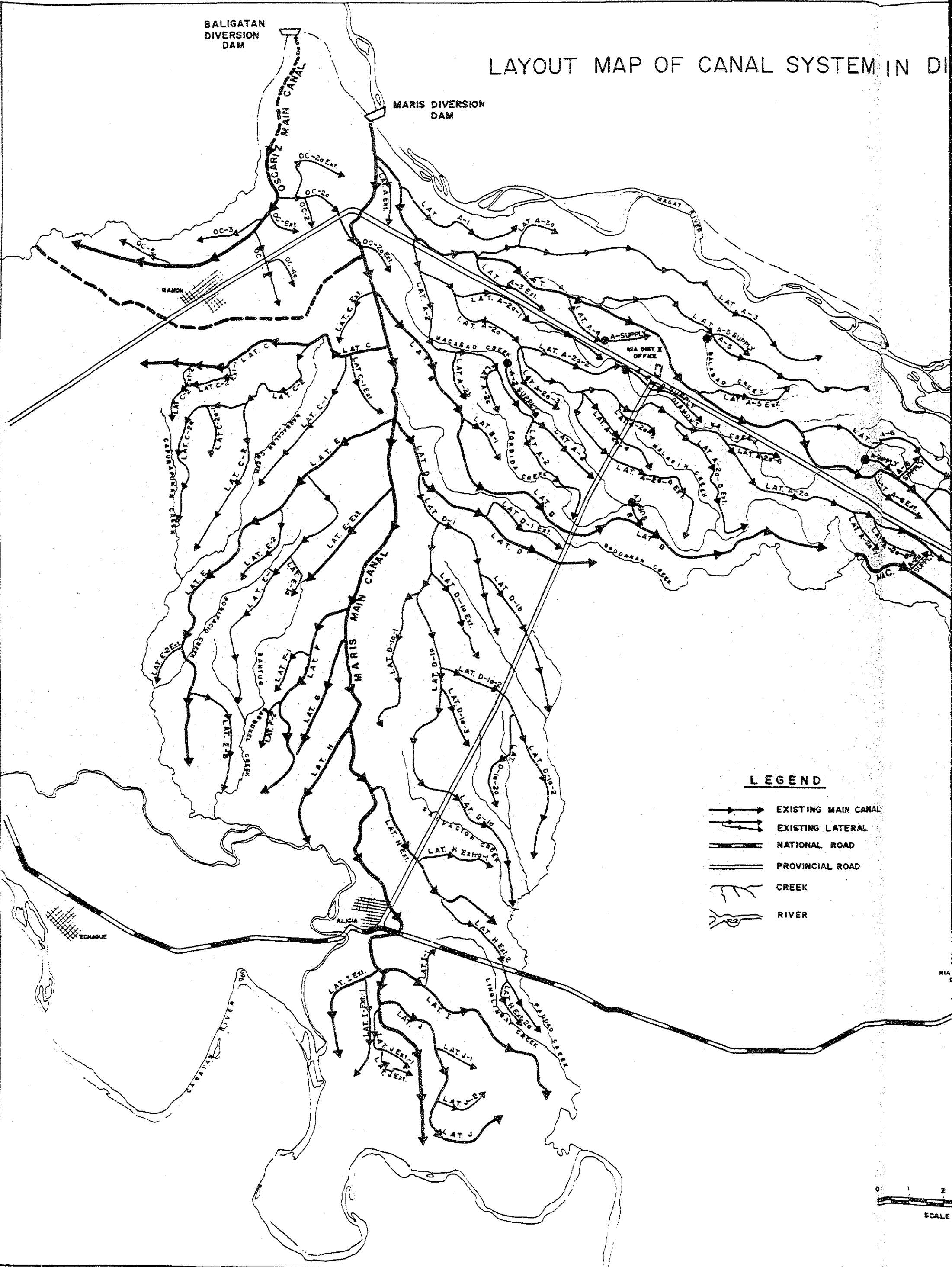
MAGAT DAM

LEGEND







-  EXISTING MAIN CANAL
-  EXISTING LATERAL
-  NATIONAL ROAD
-  PROVINCIAL ROAD
-  CREEK
-  RIVER

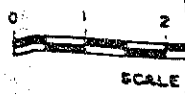


LAYOUT MAP OF CANAL SYSTEM IN DI

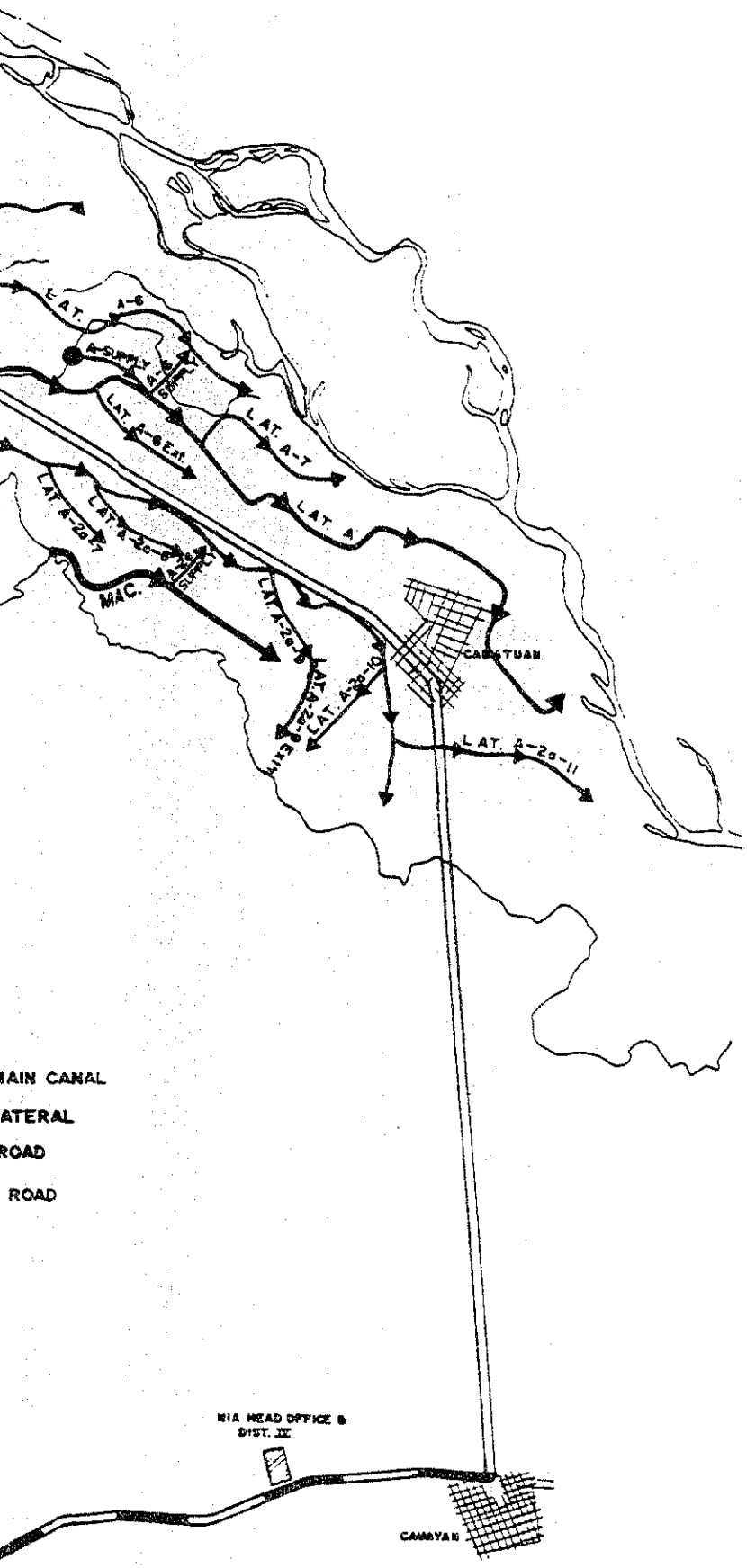


LEGEND

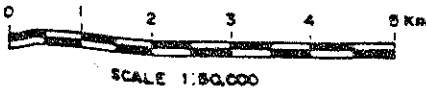
-  EXISTING MAIN CANAL
-  EXISTING LATERAL
-  NATIONAL ROAD
-  PROVINCIAL ROAD
-  CREEK
-  RIVER



STEM IN DISTRICT-II

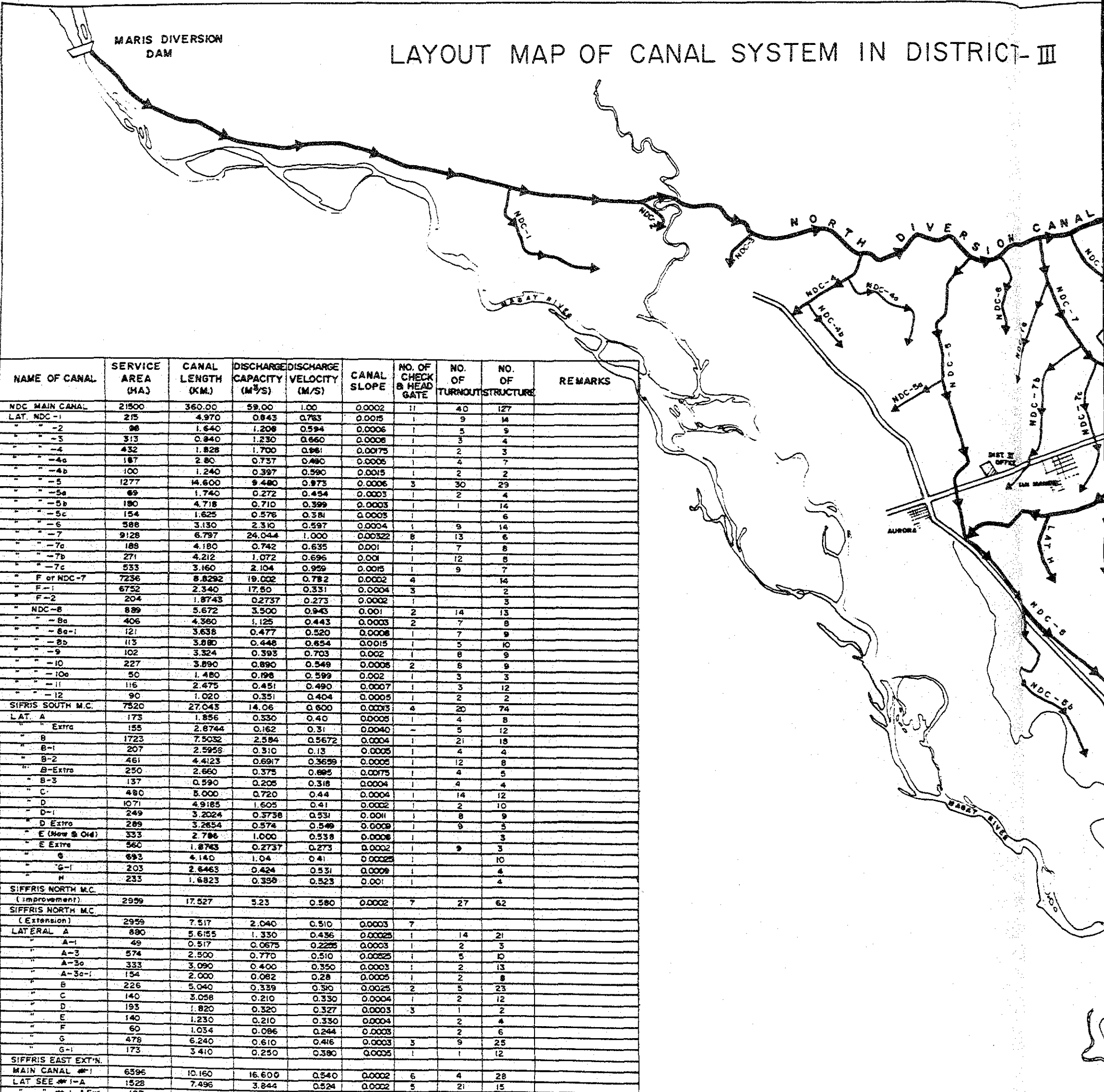


NAME OF CANAL	SERVICE AREA (HA.)	CANAL LENGTH (KM.)	DISCHARGE CAPACITY (M ³ /S)	DISCHARGE VELOCITY (M/S)	CANAL SLOPE	NO. OF CHECK & HEAD GATE	NO. OF TURNOUT	NO. OF STRUCTURE	REMARK
MARIS MAIN CANAL	53888.9	27.400	121.500	1.058	0.0015	13	92	36	
LATERAL A	7447.2	26.900	22.090	0.880	0.00025	11	26	37	
A Extra	100.1	2.671	0.250				3	7	NO PROFILE
A-1	279.2	3.455	0.673				9	9	-do-
A-2	3992.6	10.600	11.424			2	27	12	-do-
A-2a	3032.2	22.720	9.262			11	60	40	-do-
A-2a-1	193.2	4.740	0.565	0.363	0.00025	1	8	15	
A-2a-2	336.0	5.920	0.906	0.422	0.0003	3	9	11	
A-2a-3	70.4	2.400	0.347	0.730	0.0008	1	4	5	
A-2a-4	127.7	3.327	0.237	0.437	0.0008	1	4	10	
A-2a-4Ext	346.9	5.886	1.110				1	14	NO PROFILE
A-2a-5	33.5	1.340	0.106	0.360	0.0006	1	1	1	
A-2a-5Ext	201.1	3.600	0.694	0.615	0.001		10	12	
A-2a-6	45.3	1.060	0.194	0.419	0.0008	1	2	4	
A-2a-7	45.4	1.940	0.141	0.374	0.0007	1	2	2	
A-2a-8	28.2	2.004	0.106	0.378	0.0006	1	2	3	
A-2a-9BExt	88.6	3.000	0.326	0.475	0.0008	2	8	4	
A-2a-10	71.0	1.940	0.257			1	4	4	NO PROFILE
A-2a-11	134.8	2.865	0.586	0.579	0.009	1	7	9	
A-2b	62.9	1.560	0.110			1	2	5	NO PROFILE
A-2c	62.2	1.840	0.084				1	1	-do-
A-2d	87.2	2.267	0.236				6	6	-do-
A-3	675.2	10.350	2.260	0.685	0.001	3	17	27	
A-3a	97.0	2.868	0.360			2	3	7	NO PROFILE
A-3 Ext	76.3	2.240	0.299	0.590	0.0015	1	5	10	
A-4	83.8	2.140	0.235	0.302	0.0003	1	3	3	
A-5	579.4	9.500	1.510	0.450	0.0003	1	17	27	
A-5 Ext	92.4	2.817	0.242	0.403	0.0006	1	4	3	
A-6	202.1	4.420	0.761	0.540	0.0007	1	13	11	
A-6 Ext	69.1	1.700	0.181				1	1	NO PROFILE
A-7	86.9	2.100	0.371	0.384	0.0004	1	5	4	
B	1482.7	16.926	4.528	0.912	0.0008	2	57	34	
B-1	159.5	1.960	0.481				8	3	NO PROFILE
C	7078.7	7.475	10.961			5	12	7	-do-
C-1	427.4	5.800	0.727	0.339	0.0004	1	14	7	
C-1 Ext	70.1	1.400	0.119				2	1	NO PROFILE
C-2	958.2	7.927	1.420				8	8	-do-
C-2a	261.1	4.170	0.458			2	3	7	-do-
C-2a-1	105.0	1.980	0.205	0.469	0.0001	1	4	3	
C-2 Ext-1	118.0	1.200	0.317				3	1	NO PROFILE
C-2 Ext-2	93.20	1.966	0.250				2	1	-do-
C- Extra	69.90	1.966	0.107				2	1	-do-
D	21988.0	6.417	35.000				7	17	-do-
D-1	3088.60	5.080	4.612			2	13	13	-do-
D-1a	152.50	2.868	0.200	0.373	0.0004	1	6	3	-do-
D-1a Ext	2450.00	11.640	3.805			5	31	20	-do-
D-1a-1	255.50	2.868	0.358				8	6	-do-
D-1a-2	306.20	5.000	0.675				9	14	-do-
D-1a-2a	771.40	6.432	1.270			2	16	14	-do-
D-1a-2a	221.20	3.040	0.238				6	7	-do-
D-1a-3	89.60	1.740	0.165				1	5	-do-
D-1b	234.70	3.960	0.376				1	6	-do-
E	2550.90	14.500	3.540	0.540	0.0025	1	45	30	
E-1	693.90	7.900	0.960				28	15	NO PROFILE
E-1a	58.80	2.860	0.143				2	4	-do-
E-2	70.60	2.860	0.114				2	5	-do-
E-2 Ext	27.70	1.800	0.044				1	5	-do-
E-3	115.30	4.000	0.213				1	5	-do-
E-Ext	110.90	3.500	0.160				1	5	-do-
F	554.80	6.400	0.760				26	15	-do-
F-1	107.20	0.800	0.153				3	1	-do-
F-2	65.80	0.980	0.125				2	3	-do-
G	136.80	3.530	0.191				7	4	-do-
H	182.20	2.820	0.254				7	6	-do-
H Ext	763.10	5.080	1.382			2	15	14	-do-
H Ext-1	180.20	2.013	0.269				8	1	-do-
H Ext-2	239.70	4.037	0.410				1	1	-do-
H Ext-2a	76.00	1.560	0.130				2	1	-do-
I	890.80	6.226	1.131				14	19	-do-
I-1	102.40	1.269	0.161				2	1	-do-
I- Ext	74.60	3.000	0.267				3	8	-do-
I Ext-1	31.00	0.700	0.111				1	1	-do-
J	674.20	8.237	0.886				16	20	-do-
J-1	140.80	1.268	0.182				2	6	-do-
J-2	54.00	1.060	0.070				2	2	-do-
J Ext	196.40	3.000	0.423				4	9	-do-
J Ext-1	47.70	2.500	0.164				5	6	-do-
OSCARIS MAIN CANAL	1696.5	9.633	4.517	0.540	0.0002	11	29	15	
OC-2	354.5	3.514	0.930	0.320	0.0004	1	9	8	
OC-2a & Ext	127.6	31.740	0.315	0.340	0.0006	1	5	13	
OC-2a Extra	80.0	2.220	0.198					5	
OC-2 Ext	65.0	0.960	0.158					5	
OC-3	96.3	2.173	0.187	0.347	0.0005	1	5	5	
OC-4	256.3	1.680	0.637	0.500	0.0009	1	5	4	
OC-4a	127.8	0.860	0.345	0.450	0.0005	1	2	3	
OC-5	103.5	0.960	0.256	0.370	0.0005	1	4	2	



LAYOUT MAP OF CANAL SYSTEM IN DISTRICT-III

MARIS DIVERSION DAM



NAME OF CANAL	SERVICE AREA (HA)	CANAL LENGTH (KM.)	DISCHARGE CAPACITY (M ³ /S)	DISCHARGE VELOCITY (M/S)	CANAL SLOPE	NO. OF CHECK & HEAD GATE	NO. OF TURNOUT	NO. OF STRUCTURE	REMARKS
NDC MAIN CANAL	21500	360.00	59.00	1.00	0.0002	11	40	127	
LAT. NDC-1	215	4.970	0.843	0.783	0.0015	1	9	14	
-2	98	1.640	1.208	0.594	0.0006	1	5	9	
-3	313	0.840	1.230	0.660	0.0008	1	3	4	
-4	432	1.828	1.700	0.981	0.00175	1	2	3	
-4a	187	2.80	0.757	0.490	0.0005	1	4	7	
-4b	100	1.240	0.397	0.590	0.0015	1	2	2	
-5	1277	14.600	9.480	0.973	0.0006	3	30	29	
-5a	89	1.740	0.272	0.454	0.0003	1	2	4	
-5b	180	4.718	0.710	0.399	0.0003	1	1	14	
-5c	154	1.625	0.576	0.381	0.0003	1		6	
-6	588	3.130	2.310	0.597	0.0004	1	9	14	
-7	9128	6.797	24.044	1.000	0.00322	8	13	6	
-7a	189	4.180	0.742	0.635	0.001	1	7	8	
-7b	271	4.212	1.072	0.696	0.001	1	12	8	
-7c	533	3.160	2.104	0.959	0.0015	1	9	7	
F of NDC-7	7236	8.8292	19.002	0.782	0.0002	4		14	
F-1	6752	2.340	17.50	0.331	0.0004	3		2	
F-2	204	1.8743	0.2737	0.273	0.0002	1		3	
NDC-8	889	5.672	3.500	0.943	0.001	2	14	13	
-8a	406	4.380	1.125	0.443	0.0003	2	7	8	
-8a-1	121	3.638	0.477	0.520	0.0008	1	7	9	
-8b	113	3.880	0.448	0.654	0.0015	1	5	10	
-9	102	3.324	0.393	0.703	0.002	1	8	9	
-10	227	3.890	0.890	0.549	0.0005	2	8	9	
-10a	50	1.480	0.198	0.599	0.002	1	3	3	
-11	116	2.475	0.451	0.490	0.0007	1	3	12	
-12	90	1.020	0.351	0.404	0.0005	1	2	2	
SIFFRIS SOUTH M.C.	7520	27.043	14.06	0.600	0.0003	4	20	74	
LAT. A	173	1.856	0.530	0.40	0.0005	1	4	8	
Extra	155	2.8744	0.162	0.31	0.0004		5	12	
B	1723	7.5032	2.584	0.5672	0.0004	1	21	18	
B-1	207	2.5958	0.310	0.13	0.0005	1	4	4	
B-2	461	4.4123	0.6917	0.3699	0.0005	1	12	8	
B-Extra	250	2.660	0.375	0.695	0.00175	1	4	5	
B-3	137	0.590	0.205	0.318	0.0004	1	4	4	
C	480	5.000	0.720	0.44	0.0004	1	14	12	
D	1071	4.9185	1.605	0.41	0.0002	1	2	10	
D-1	249	3.2024	0.5738	0.531	0.0011	1	8	9	
D Extra	289	3.2654	0.574	0.549	0.0008	1	9	3	
E (New & Old)	333	2.786	1.000	0.538	0.0008	1		3	
E Extra	560	1.8763	0.2737	0.273	0.0002	1	9	3	
G	693	4.140	1.04	0.41	0.00025	1		10	
G-1	203	2.8463	0.424	0.531	0.0009	1		4	
H	233	1.8823	0.336	0.523	0.001	1		4	
SIFFRIS NORTH M.C.	(Improvement)	2959	17.527	5.23	0.580	0.0002	7	27	62
(Extension)	2959	7.517	2.040	0.510	0.0003	7			
LAT. A	880	5.6155	1.330	0.436	0.00025	1	14	21	
A-1	49	0.517	0.0675	0.225	0.0003	1	2	3	
A-3	574	2.500	0.770	0.510	0.0025	1	5	10	
A-3a	333	3.090	0.400	0.350	0.0003	1	2	13	
A-3a-1	154	2.000	0.082	0.28	0.0005	1	2	8	
B	226	5.040	0.339	0.50	0.0025	2	5	23	
C	140	3.058	0.210	0.330	0.0004	1	2	12	
D	193	1.820	0.320	0.327	0.0003	3	1	2	
E	140	1.230	0.210	0.330	0.0004		2	4	
F	60	1.034	0.086	0.244	0.0003		2	6	
G	478	6.240	0.610	0.416	0.0003	3	9	25	
G-1	173	3.410	0.250	0.380	0.0005	1	1	12	
SIFFRIS EAST EXT'N.	MAIN CANAL #1	6596	10.160	16.609	0.540	0.0002	6	4	28
LAT SEE #1-A	1528	7.496	3.844	0.524	0.0002	5	21	15	
#1-A Ext.	107	1.9685	0.268	0.423	0.0007	1	7	3	
#1-A-1	112	0.9113	0.2809	0.410	0.0025			2	
#1-A-2	59	1.3687	0.147	0.499	0.0004		2	3	
#1-A-3	130	2.040	0.337	0.370	0.0004		11	5	
#1-A-4	389	3.0473	0.9755	0.4055	0.0025		1	6	
#1-A-5	51	1.1351	0.12731	0.4299	0.0010		1	2	
#1-A-6	114	2.370	0.2875	0.316	0.0003		3	8	
#1-B	112	1.534	0.281	0.385	0.0005	1	4	4	
#1-C	874	5.840	2.194	0.694	0.0005	2	18	10	
#1-C Ext.	215	1.8827	0.540	0.474	0.0009	1	2	5	
#1-C-1	63	1.146	0.159	0.300	0.0004		2	2	
#1-C-2	467	1.0805	1.172	0.363	0.0025		6	3	
#1-C-2-A	215	2.7605	0.539	0.385	0.0010		3	8	
#1-D	243	2.0748	0.611	0.3231	0.0002	1		6	
#1-E	92	2.004	0.231	0.337	0.0004	1		8	
SIFFRIS EAST EXT'N.	MAIN CANAL #2	3000	13.5733	7.400	0.620	0.0002	7	18	36
LAT SEE #2-B	207	3.060	0.520	0.345	0.0025	2	6	6	
#2-C	1137	8.0057	2.855	0.7843	0.0007	5	25	17	
#2-C-1	94	1.080	0.236	0.364	0.0003	1	3	1	
#2-C-3	91	1.1666	0.230	0.360	0.0005	1	3	2	
#2-D	60	1.4434	0.130	0.380	0.0008	1		2	
#2-D Ext.	35	0.000	0.080	0.341	0.0004	1		2	
#2-E	414	2.7058	1.041	0.643	0.0025	1		8	
#2-F	266	1.952	0.669	0.368	0.0025	1		7	
#2-G	118	1.625	0.296	0.320	0.0003	1		3	
#2-G Ext.	104	0.788	0.117	0.340	0.0006	1		1	
#2-H	87	1.0674	0.219	0.439	0.001	1		2	
#2-I	55	1.115	0.139	0.367	0.0007	1		2	

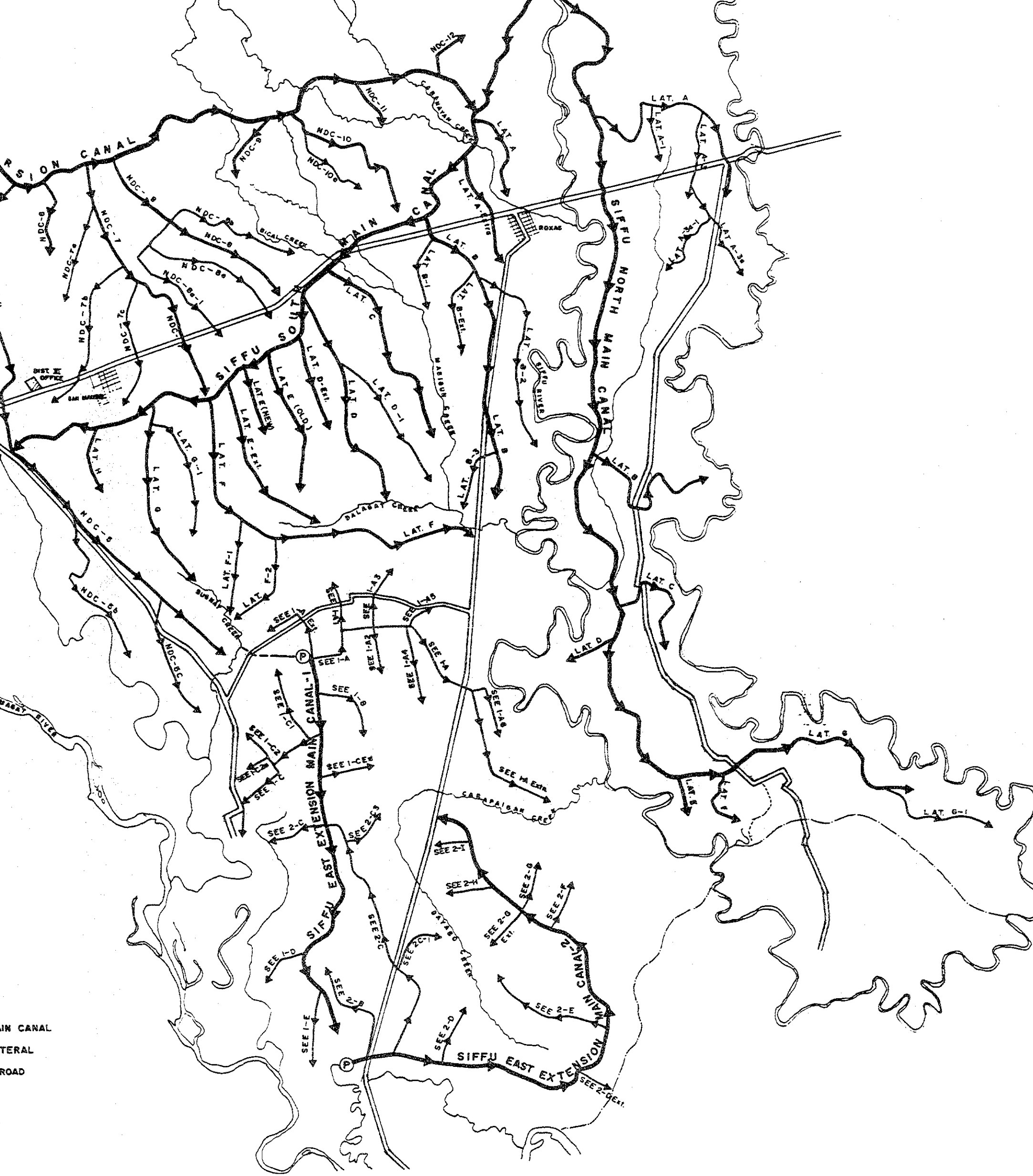
LEGEND

- EXISTING MAIN CANAL
- EXISTING LATERAL
- PROVINCIAL ROAD
- CREEK
- RIVER

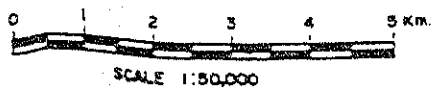
0 1 2
SCALE 1:...

TRICT-III

SIFFURS DIVERSION DAM









MAIN CANAL
LATERAL
ROAD

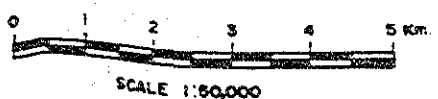
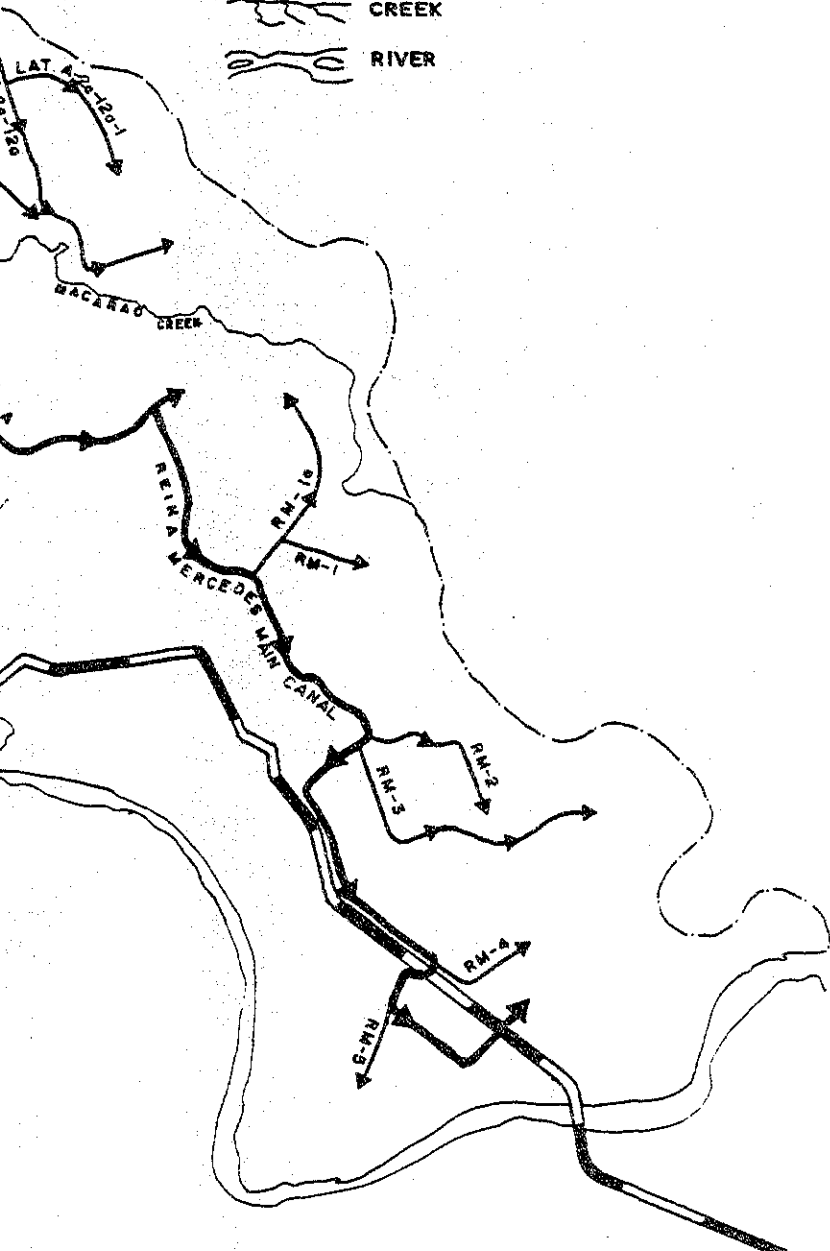


DISTRICT-IV

NAME OF CANAL	SERVICE AREA (HA.)	CANAL LENGTH (KML)	DISCHARGE CAPACITY (M ³ /S)	DISCHARGE VELOCITY (M/S)	CANAL SLOPE	NO. OF CHECK & HEAD GATE	NO. OF TURNOUT	NO. OF STRUCTURE	REMARKS
LATERAL D	18218	8.083	28.102			2	18	15	
LATERAL D-2		10.330	21.113	0.685	0.0002	6	34	4	
LATERAL D-2a	404	4.210	0.5952	0.463	0.0005	1	10	10	
LATERAL D-2b	2062	14.535	3.063	0.497	0.0002	2	42	28	
LATERAL D-2b-1	533	5.040	1.227	0.395	0.0002	2	17	10	
LATERAL D-2b-1a	92	0.919	0.1579	0.3096	0.0004	1	5	5	
LATERAL D-2b-1a Extra		0.780	0.1035	0.3043	0.0005	-	5	19	
LATERAL D-2CE Extra	265	2.748	0.383	0.291	0.0002	1	5	6	
LATERAL D-2A Extra	158	2.540	0.237	0.305	0.0025	1	5	5	
LATERAL D-2C	6999	7.536	11.993	0.488	0.0002	2	5	13	
LATERAL D-2C-1	308	4.780	0.481	0.320	0.0002	1	9	13	
LATERAL D-2C-2	192	0.950	0.294	0.300	0.0025	1	5	4	
LATERAL D-2C-1 Extra	5786		9.439	0.672	0.0002	1	4	5	
LATERAL D-2d	2631	6.700	3.471	0.803	0.0002	2	24	17	
LATERAL D-2d-1	260	2.537	0.370	0.319	0.0025	1	6	5	
LATERAL D-2d-2	1457	4.350	1.862	0.505	0.0003	5	9	7	
LATERAL D-2d-2a	330	1.441	0.495	0.308	0.0002	1	6	4	
LATERAL D-2d-2b	197	1.348	0.296	0.323	0.0003	1	5	3	
LATERAL D-2d-2c	170	1.200	0.256			1	2	3	NO PROFILE
LATERAL D-2d-2Ext	377	2.600	0.695	0.390	0.0003	1	12	9	
LATERAL D-2r	114	2.882	0.167	0.382	0.0008	1	6	9	
LATERAL D-2 Extra	38	0.720	0.059	0.332	0.0010	-	4	7	
LATERAL D-3	1136	9.860	1.857	0.565	0.0025	2	25	22	
LATERAL D-3a	278	2.600	0.459	0.500	0.0025	1	5	6	
LATERAL D-4 Extra	2381	12.260	3.665	0.600	0.0003	3	36	27	
LATERAL D-4a	404	5.500	0.6882	0.435	0.0004	1	8	13	
LATERAL D-4 Extra 1	100	1.560	0.154	0.400		-	4	5	
LATERAL D-4 Extra 2	103	1.100	0.154			-	1	4	NO PROFILE
LATERAL D-4b	470	3.600	0.785			1	14	7	-do-
LATERAL D-4b-1	70	1.375	0.117			1	3	4	-do-
GADDANAN SUPPLY			2.000						-do-
MACANAO EAST M.C.	4962	11.996	11.950	0.754	0.00025	8	28	18	-do-
LATERAL D-3 SUPPLY	180	2.150	0.500						NO PROFILE
LATERAL A	3462	13.000	8.280	0.760	0.0005	4	40	24	
LATERAL A Extra	176	1.897	0.489	0.408	0.0004	1	9	7	
LATERAL A-1	479	3.116	1.070	0.406	0.00026	1	4	2	
LATERAL A-1a	222		0.510			-	6	5	NO PROFILE
LATERAL B	179	3.140	0.560			1	8	13	-do-
LATERAL C	209	2.5	0.527			1	5	6	-do-
LADECO MAIN CANAL	1077	2.150	3.020			2	4	4	-do-
LATERAL A-2a-12	1043	5.800	2.943	0.495	0.0002	2	17	12	
LATERAL A-2a-12a	487	6.920	1.565	0.403	0.0002	2	18	20	
LATERAL A-2a-12a-1	167	1.635	0.350	0.370	0.0004	1	6	7	
LATERAL A-2a-12b	65	0.900	0.178	0.314	0.0004	1	2	2	
REINA MERCEDES M.C.	1776	11.508	4.850	0.549	0.0004	4	28	40	
LATERAL RM-1	283	2.160	0.745	0.348	0.0002	1	3	7	
LATERAL RM-1a	103	2.192	0.280	0.380	0.0005	-	5	9	
LATERAL RM-2	551	1.180	1.653	0.772	0.0001	1	8	10	
LATERAL RM-3 Extra	142	2.760	0.368	0.378	0.0004	1	3	5	
LATERAL RM-4	65	0.940	0.2000	0.352	0.0005	1	3	2	
LATERAL RM-5	40	0.740	0.100	0.300	0.0005	1	3	2	
CAMAYAN EAST Extra M.C.	5473	19.800	8.060	0.629	0.0002	7	31	32	
LATERAL CEE-1	598	3.980	1.191	0.450	0.0003	3	15	12	
LATERAL CEE-1a	82	1.100	0.083	0.303	0.0006	1	4	8	
LATERAL CEE-1b	62	1.163	0.093	0.311	0.0002	1	1	4	
LATERAL CEE-2	36	1.200	0.024	0.308	0.0007	1	1	3	
LATERAL CEE-3	243	3.208	0.510	0.370	0.0003	2	6	10	
LATERAL CEE-3a	87	0.920	0.114	0.311	0.0004	1	2	2	
LATERAL CEE-3a Extra	60	1.100	0.100	0.343	0.0008	-	2	7	
LATERAL CEE-3 Extra	55	2.360	0.061	0.382	0.0004	1	3	5	
LATERAL CEE-4	612	3.660	1.224	0.392	0.0002	2	14	13	
LATERAL CEE-4a	188	2.039	0.396	0.300	0.0002	1	4	3	
LATERAL CEE-5 Extra	490	6.820	1.121	0.397	0.0002	2	17	18	
LATERAL CEE-5a	130	1.400	0.125	0.510	0.0005	-	5	3	
LATERAL CEE-6	710	1.220	1.421	0.409	0.0002	2	3	2	
LATERAL CEE-6a	576	3.520	1.153	0.388	0.0002	2	9	7	
LATERAL CEE-6a-1	241	1.600	0.482	0.312	0.0002	2	7	3	
LATERAL CEE-6a-1-1	60	1.400	0.291	1.277	0.0004	-	2	2	
LATERAL CEE-7	86	5.391	0.808	0.353	0.0002	1	6	13	
LATERAL CEE-8	70	0.203	0.203	0.300	0.0003	1	3	2	
CEE M.C. (PUMPA)	1667	7.780	3.440	0.490	0.0002	3	26	24	
LATERAL A	51	0.280	0.089	0.310	0.0006	1	1	2	
LATERAL B	203	2.367	0.589	0.314	0.0003	1	1	7	
LATERAL B Extra	40	0.860	0.082	0.338	0.0005	-	1	3	
LATERAL C	422	4.040	0.864	0.380	0.00025	2	9	11	
LATERAL C-1	60	1.200	0.136	0.328	0.0005	1	1	2	
NAMMAMA CANAL	120		0.223						

LEGEND






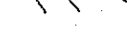


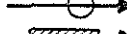
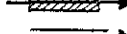



-  EXISTING MAIN CANAL
-  EXISTING LATERAL
-  NATIONAL ROAD
-  PROVINCIAL ROAD
-  CREEK
-  RIVER

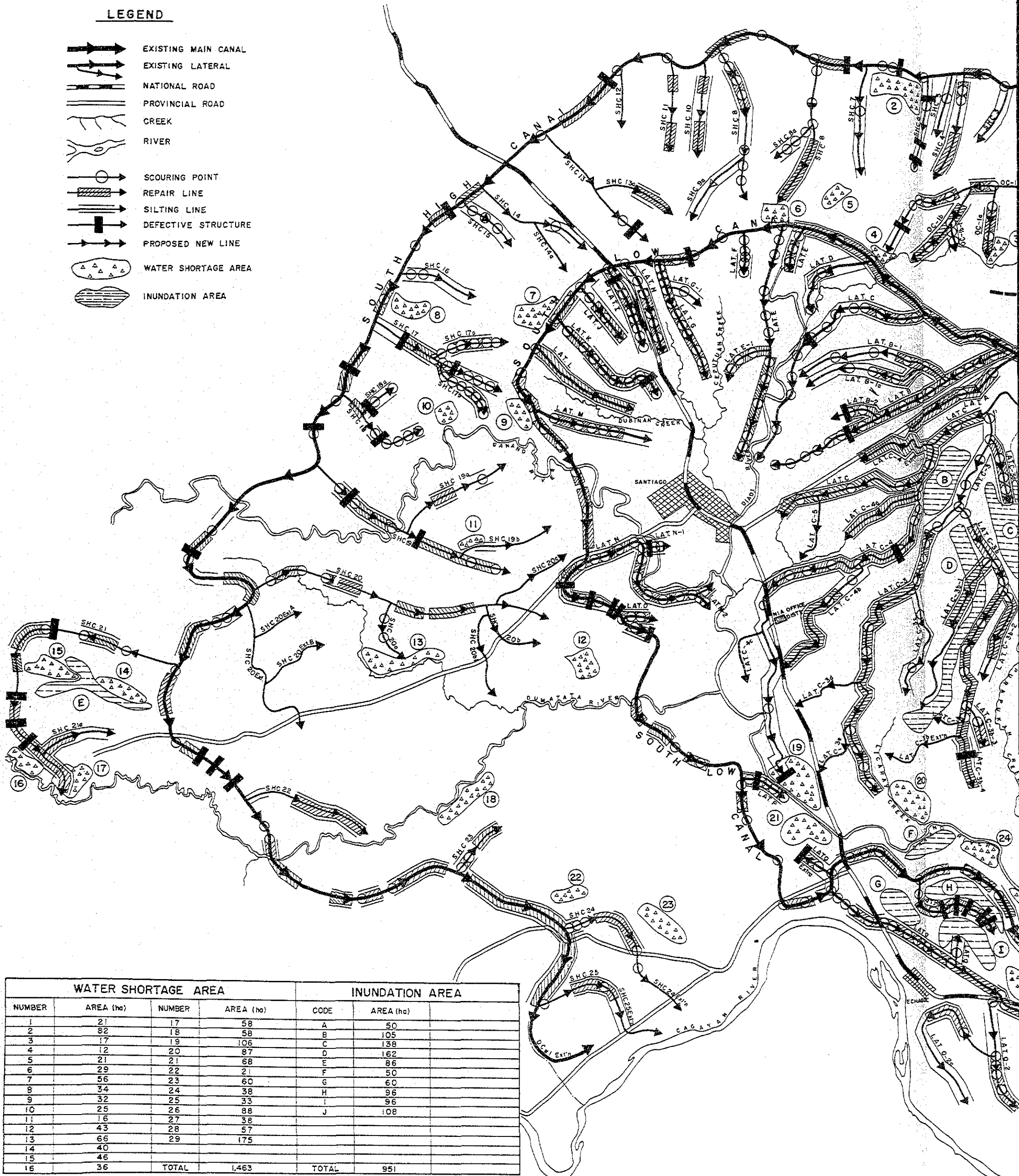


IMPROVEMENT OF CIVIL WORKS FOR CANAL IN DISTRICT - I

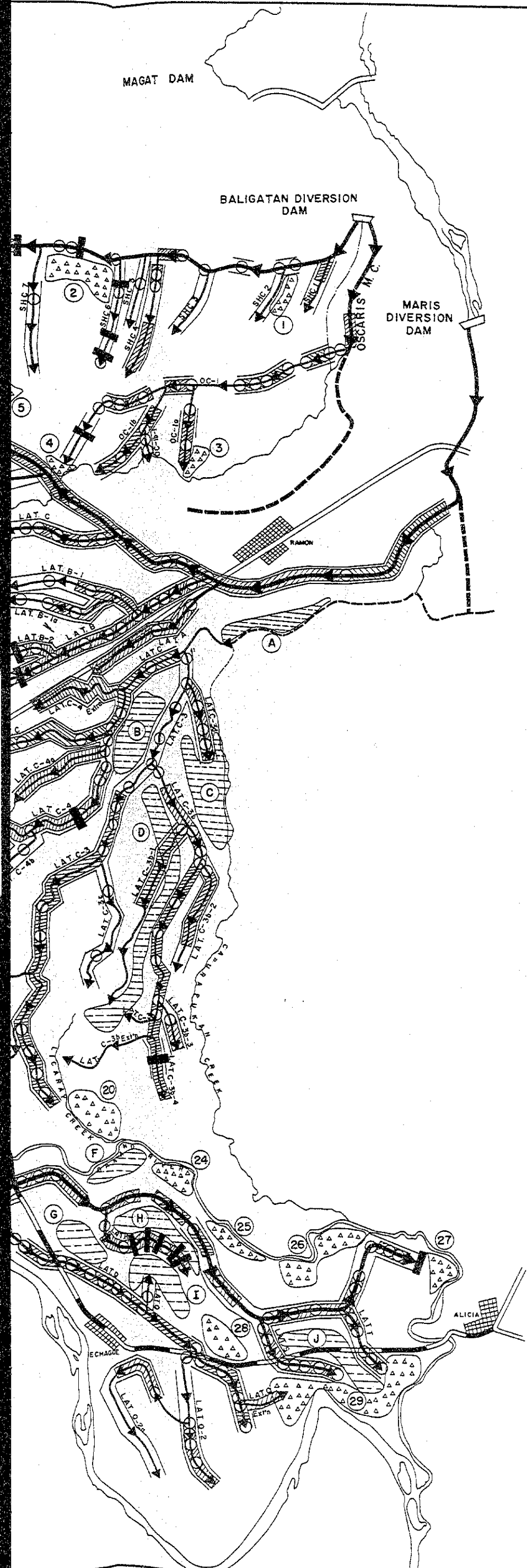
MAGAT DAM

LEGEND

-  EXISTING MAIN CANAL
-  EXISTING LATERAL
-  NATIONAL ROAD
-  PROVINCIAL ROAD
-  CREEK
-  RIVER
-  SCOURING POINT
-  REPAIR LINE
-  SILTING LINE
-  DEFECTIVE STRUCTURE
-  PROPOSED NEW LINE
-  WATER SHORTAGE AREA
-  INUNDATION AREA



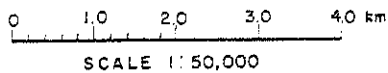
WATER SHORTAGE AREA				INUNDATION AREA	
NUMBER	AREA (ha)	NUMBER	AREA (ha)	CODE	AREA (ha)
1	21	17	58	A	50
2	82	18	58	B	105
3	17	19	106	C	138
4	12	20	87	D	162
5	21	21	68	E	86
6	29	22	21	F	50
7	56	23	60	G	60
8	34	24	38	H	96
9	32	25	33	I	96
10	25	26	88	J	108
11	16	27	38		
12	43	28	57		
13	66	29	175		
14	40				
15	46				
16	36	TOTAL	1,463	TOTAL	951



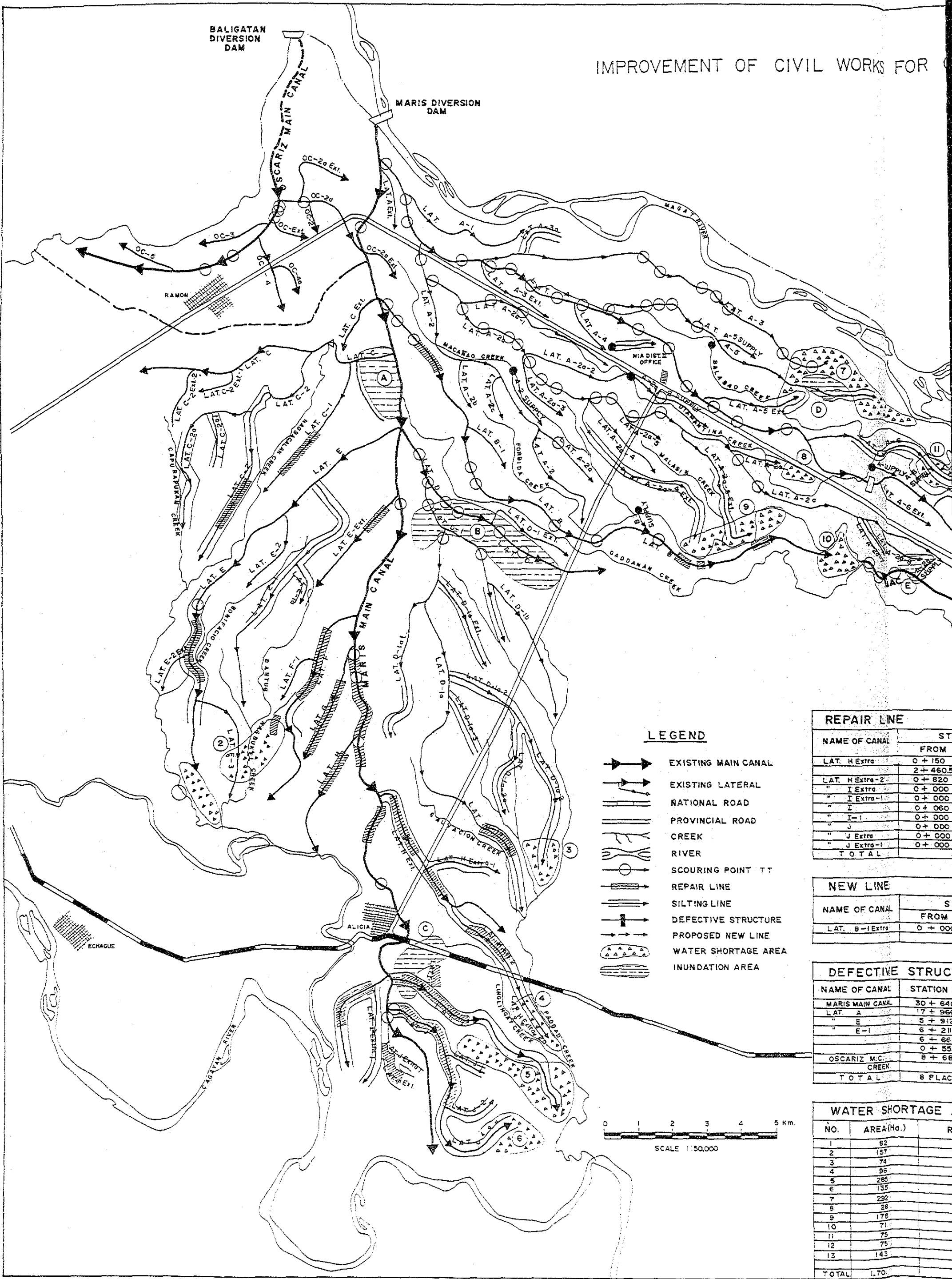
PROPOSED REPAIR LINE							
CANAL	STATION NO.	LENTH	REMARKS	CANAL	STATION NO.	LENTH	REMARKS
SLC	12+750 - 12+874	124	Raising of both embankment	SHC	22+520 - 22+600	80	Upgrading RS
	16+220 - 17+080	860	- do -		24+040 - 24+380	340	- do -
	19+197 - 19+930	733	- do -		26+500 - 26+960	460	Upgrading BS
	21+456 - 22+278	822	Raising of right embankment		27+580 - 27+910	330	Upgrading RS
	23+500 - 24+200	700	Raising of both embankment		38+140 - 38+300	160	Upgrading BS
	24+740 - 24+840	100	Raising of right embankment		39+300 - 39+360	60	Upgrading LS
	25+648 - 25+948	300	Raising of both embankment		41+760 - 42+120	360	Upgrading RS
	25+350 - 26+700	1,350	Eroded embankments		42+600 - 42+820	220	- do -
	27+100 - 27+720	620	Raising of both embankment		43+000 - 43+190	190	- do -
	29+900 - 30+080	180	- do -		46+160 - 46+400	240	- do -
	30+792 - 31+200	408	- do -		46+920 - 48+360	1,440	Upgrading & Widening of Emb. RS
	32+541 - 32+741	200	- do -		50+300 - 50+300	0	- do -
	33+100 - 33+600	500	- do -		51+450 - 52+100	650	- do -
	34+650 - 34+750	100	- do -		52+570 - 53+480	910	- do -
	34+918 - 34+968	50	Eroded embankments	Lat 1	0+100 - 1+040	940	Upgrading BS
	38+234 - 38+880	646	Raising of both embankment	4	0+200 - 0+280	80	- do -
	41+000 - 41+300	300	- do -		1+320 - 2+420	1,100	- do -
	43+188 - 43+338	150	- do -	8	3+120 - 3+933	813	- do -
	44+000 - 44+440	440	- do -	9	0+900 - 1+000	100	Upgrading RS
	45+350 - 45+600	250	Raising of right embankment	10	0+030 - 0+160	130	Upgrading BS
	46+560 - 46+760	200	Raising of both embankment		1+290 - 1+778	488	- do -
	47+180 - 47+600	420	- do -	11	0+020 - 0+484	464	- do -
	48+610 - 49+960	1,350	- do -		1+400 - 1+464	64	- do -
	50+100 - 53+050	2,950	- do -	13A	1+080 - 1+180	100	Upgrading & Widening of Emb. RS
	53+700 - 54+800	1,100	- do -		2+400 - 2+780	380	Upgrading BS
Lat A	0+400 - 3+150	2,750	Striping of embankment & filling of pits	17	1+000 - 1+220	220	Upgrading LS
E	0+050 - 5+000	4,950	Raising of both embankment	17A	0+500 - 0+700	200	- do -
B1a	0+000 - 1+360	1,360	- do -		1+100 - 1+280	180	- do -
B1	0+000 - 1+080	1,080	- do -	17B	0+000 - 0+200	200	- do -
B2	0+000 - 1+400	1,400	- do -		2+414 - 3+200	786	Upgrading BS
C	0+000 - 2+200	2,200	- do -	18	0+200 - 0+300	100	- do -
D	0+700 - 0+900	200	- do -	19	1+190 - 1+400	210	- do -
E Ext.	0+300 - 1+250	950	- do -		2+390 - 2+500	110	Upgrading RS
E	2+340 - 5+920	3,580	Widening of right embankment		3+750 - 4+000	250	- do -
E-1	0+000 - 1+170	1,170	- do -		5+350 - 5+550	200	- do -
G	0+000 - 4+660	4,660	Widening of left embankment		8+120 - 8+300	180	- do -
H	0+800 - 2+667	1,867	Widening of both embankment	20	0+900 - 1+700	800	Upgrading RS
I	0+000 - 1+440	1,440	Widening of left embankment		1+800 - 1+980	180	Upgrading Emb. RS, Widening canal prism
J	0+000 - 1+204	1,204	Raising of both embankment		3+220 - 3+680	460	Widening of canal prism, widening embankment
K	0+500 - 2+000	1,500	- do -		4+300 - 4+620	320	- do -
L	2+900 - 4+062	1,162	- do -	22	5+950 - 6+600	650	Upgrading & Widening of Emb. BS
L	0+000 - 2+512	2,512	Raising & Widening of emb.	22	1+437 - 1+550	113	Upgrading RS
M	0+440 - 1+920	1,480	Raising of embankment		2+250 - 2+450	200	- do -
M	1+920 - 2+620	700	Widening of left embankment		2+525 - 2+780	255	- do -
N	0+045 - 1+045	1,000	Raising of both embankment		3+650 - 3+750	100	Upgrading LS
N-1	1+660 - 1+720	60	- do -		4+000 - 4+080	80	- do -
N-1	2+180 - 4+335	2,155	- do -		4+120 - 4+300	180	Upgrading BS
N-1	0+000 - 0+416	416	Raising of both embankment		5+880 - 6+022	142	Upgrading LS
N-2	0+000 - 0+416	416	Widening of right embankment		6+930 - 7+742	812	Upgrading BS
N-2	0+880 - 1+277	397	Raising of left embankment		8+000 - 8+214	214	Upgrading LS
O	0+020 - 0+607	607	Raising & widening of both emb.	21A	8+950 - 9+220	270	Upgrading BS
P	0+000 - 0+951	951	- do -	22	0+320 - 1+120	800	- do -
Q	1+180 - 7+400	6,220	Raising & widening of both emb.	22	0+440 - 1+200	760	- do -
Q-2a	1+300 - 3+500	2,200	Raising of left embankment	23	0+020 - 0+400	380	- do -
Q-2a	1+440 - 3+500	2,060	Raising of both embankment		0+740 - 1+000	260	Upgrading RS
Q Ext.	0+480 - 0+872	392	- do -	24	1+450 - 1+820	370	- do -
R	0+740 - 3+144	2,404	Raising & widening of both emb.	25	1+165 - 2+285	1,120	Upgrading BS
S	0+040 - 2+620	2,580	- do -	OC	1+000 - 1+200	200	Upgrading RS
T	0+400 - 0+600	200	Raising of both embankment	OMC	1+600 - 1+880	280	Upgrading LS
Q Ext'n	1+240 - 2+034	794	- do -		4+400 - 4+685	285	- do -
Q Ext'n	0+340 - 0+960	620	- do -	OC 1	0+240 - 2+320	2,080	- do -
SHC	6+000 - 6+260	260	Upgrading right side (RS)		3+300 - 3+400	100	- do -
	10+250 - 10+273	23	- do -		6+040 - 7+180	1,140	Upgrading BS
	12+400 - 13+300	900	- do -	OC 1A	0+200 - 0+500	300	Upgrading LS
	15+900 - 16+400	500	- do -		0+660 - 1+689	1,029	Upgrading & widening Emb. BS
	21+320 - 21+940	620	- do -	OC 1B	0+100 - 0+600	500	Upgrading of Emb. BS
	34+000 - 34+140	140	Upgrading LS: Widening RS		2+040 - 2+530	490	- do -
	35+360 - 35+720	360	Upgrading & Widening of Emb. RS	Total	137 places	107,933	

PROPOSED NEW LINE			
CANAL NAME	STATION NO.	LENTH	REMARKS
SLC Extension	54+800 - 55+200	400	Extension of 400 meters to generate 80 has
Lat B1 Ext'n	3+180 - 3+480	300	Extension of 300 meters to generate 20 has
G1 Ext'n	0+873 - 1+073	200	Extension of 200 meters to irrigate 45 has
H Ext'n	3+993 - 4+193	200	Extension of 200 meters to generate 40 has
N-2 Ext'n	0+607 - 0+907	300	Extension of 300 meters to generate 50 has
Q Ext. Ext'n	0+872 - 1+272	400	Extension of 400 meters to generate 40 has
Q Ext'n Ext'n	0+960 - 1+110	150	Extension of 150 meters to generate 35 has
R Ext'n	3+144 - 3+544	400	Extension of 400 meters to generate 80 has
S Ext'n	2+620 - 2+920	300	Extension of 300 meters to generate 60 has
T Ext'n	2+034 - 2+234	200	Extension of 200 meters to generate 50 has
SHC 18B	0+000 - 2+000	2,000	Proposed construction of Headgate and canal of the new area to be generated about 90 has
21A Ext'n	1+540 - 2+540	1,000	Extension of canal to generate 15 has
Total		12 places	5,850

DEFECTIVE STRUCTURE							
CANAL	STATION NO.	NAME OF STRUCTURE	REMARKS	CANAL	STATION NO.	NAME OF STRUCTURE	REMARKS
SLC	28+600	Drainage pipe culvert	Broken collars	SHC	27+400	Drainage pipe culvert	Broken collars
	29+180	- do -	- do -		29+580	- do -	- do -
	29+420	- do -	- do -		34+720	- do -	- do -
	32+541	Domatata Siphon	Leaking & cut-off wall destroyed		43+340	- do -	- do -
	54+800	Combined T.O. & Manway	Structure to be upgraded: Elevation is low		43+820	- do -	- do -
Lat B1	4+936	RCP road Cro. & drop	Constructed size of RCP is small		44+000	Wasteway	Scoured outlet
B2	0+796	RCP road Cro.	- do -	SHC 6	0+800	Comb. THR. & T.O.	Reconstruction
C	3+670	Combined road Cro. & drop	To be upgraded & change		1+000	THR. Cro.	Broken collars
K	3+400	Drainage pipe culvert	Broken collars		1+360	End check	Partially wash out
N-1	0+416	Canano Siphon	No manhole and leaking	17	0+740	Drainage pipe culvert	Collar broken
CA	2+393	Comb. RCP. & road	Upgrading of threshold crossing		2+660	- do -	- do -
	8+712	RCP Cro.	Upgrading	18	1+612	- do -	- do -
	9+312	RCP Cro.	To be changed by box culvert	18A	0+350	- do -	- do -
C-3b	6+360	Siphon	Structure size is small	19	2+340	THR. Cro.	RC pipe broken
F	0+160	Drop	Destroyed		4+424	THR. Cro.	Upgrading of inlet wall
Q Ext.	0+872	Road T.O. w/ T.O. & surface	E.I. is low, RCP size is small	21	4+300	Drainage culvert	Additional two barrel
R	1+800	Road Cro.	RCP size is small		6+402	- do -	Additional two rows RCP culvert
	2+500	- do -	- do -		6+482	- do -	- do -
	2+800	- do -	- do -		7+425	- do -	- do -
SHC	8+508	Drainage pipe culvert	Not functional	OC 1	8+843	Road Cro.	Upgrading of inlet & outlet wall
	15+700	Drainage pipe culvert	Broken collars	Total		42 places	
	22+260	- do -	- do -				



IMPROVEMENT OF CIVIL WORKS FOR



LEGEND

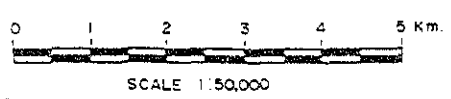
- EXISTING MAIN CANAL
- EXISTING LATERAL
- NATIONAL ROAD
- PROVINCIAL ROAD
- CREEK
- RIVER
- SCOURING POINT
- REPAIR LINE
- SILTING LINE
- DEFECTIVE STRUCTURE
- PROPOSED NEW LINE
- WATER SHORTAGE AREA
- INUNDATION AREA

REPAIR LINE	
NAME OF CANAL	STATION FROM
LAT. H Extra	0 + 150
LAT. H Extra-2	2 + 460.5
" I Extra	0 + 000
" I Extra-1	0 + 000
" I	0 + 060
" I-1	0 + 000
" J	0 + 000
" J Extra	0 + 000
" J Extra-1	0 + 000
TOTAL	10

NEW LINE	
NAME OF CANAL	STATION FROM
LAT. B-1 Extra	0 + 000

DEFECTIVE STRUCTURE	
NAME OF CANAL	STATION NO.
MARIS MAIN CANAL	30 + 640
LAT. A	17 + 966
" E	5 + 912
" E-1	6 + 211
	6 + 661
	0 + 555
OSCARIZ M.C. CREEK	8 + 680
TOTAL	8 PLACES

WATER SHORTAGE AREA		
NO.	AREA (Ha.)	REMARKS
1	82	
2	157	
3	74	
4	96	
5	285	
6	135	
7	292	
8	28	
9	178	
10	71	
11	75	
12	75	
13	143	
TOTAL	1,701	



WATER WORKS FOR CANAL IN DISTRICT-II

SCOURING POINT			
NAME OF CANAL	STATION NO.	REMARKS	
OSCARIZ MAIN CANAL	2 + 975.90	OUTLET OF STRUCTURE	
	3 + 560	- do -	
	4 + 180	- do -	
	7 + 520	- do -	
	8 + 680	- do -	
OSCARIZ 2	0 + 720	- do -	
	2 + 647.5	- do -	
MARIS MAIN CANAL	10 + 377.5	- do -	
	14 + 900.5	- do -	
	15 + 671.35	- do -	
	17 + 347.8	- do -	
	22 + 435.25	- do -	
	26 + 726.20	- do -	
	LATERAL A	0 + 920	- do -
		1 + 140	- do -
		1 + 790	- do -
		3 + 457	- do -
4 + 758		- do -	
5 + 625		- do -	
6 + 365		- do -	
7 + 099		- do -	
7 + 654.75		- do -	
8 + 555.45		- do -	
9 + 079.75		- do -	
10 + 317.5		- do -	
11 + 584.9		- do -	
12 + 337.5		- do -	
13 + 260	- do -		
14 + 888.6	- do -		
LATERAL A-2	0 + 000	- do -	
	0 + 000	- do -	
" A-2a	1 + 150.7	- do -	
	2 + 246	- do -	
	2 + 780	- do -	
	3 + 210	- do -	
	3 + 695	- do -	
	4 + 170	- do -	
	4 + 930	- do -	
	6 + 010	- do -	
	6 + 970	- do -	
	7 + 230	- do -	
	8 + 192	- do -	
	10 + 742.5	- do -	
	11 + 800	- do -	
LATERAL A-2a-1	0 + 610	- do -	
	1 + 780	- do -	
LATERAL A-2a-2	3 + 940	- do -	
	0 + 060	- do -	
" A-3	3 + 788	- do -	
	5 + 411	- do -	
	6 + 740	- do -	
	6 + 960	- do -	
	7 + 188	- do -	
	8 + 700	- do -	
	9 + 000	- do -	
	9 + 627	- do -	
	LATERAL A-5	1 + 296.5	- do -
		1 + 502	- do -
1 + 786		- do -	
LATERAL B	2 + 714	- do -	
	0 + 000	- do -	
" "	0 + 565	- do -	
	1 + 500	- do -	
	5 + 180	- do -	
	5 + 543.5	- do -	
	8 + 540	- do -	
	9 + 500	- do -	
	11 + 925.15	- do -	
LATERAL E	7 + 099	- do -	
	0 + 000	- do -	
TOTAL	70 PLACES		



REPAIR LINE				
NAME OF CANAL	STATION NO.		LENGTH	REMARKS
	FROM	TO		
LAT. H Extra	0 + 150	2 + 080	1930	LOW EMBANKMENT
"	2 + 460.5	3 + 438	477.5	- do -
LAT. H Extra-2	0 + 820	2 + 240	1420	- do -
" I Extra	0 + 000	3 + 000	3000	- do -
" I Extra-1	0 + 000	0 + 700	700	- do -
" I	0 + 060	2 + 226.55	2166.55	- do -
" I-1	0 + 000	0 + 850	850	- do -
" J	0 + 000	3 + 600	3600	- do -
" J Extra	0 + 000	3 + 000	3000	- do -
" J Extra-1	0 + 000	2 + 500	2500	- do -
TOTAL	10 PLACES		20,144.05	

NEW LINE				
NAME OF CANAL	STATION NO.		LENGTH	REMARKS
	FROM	TO		
LAT. B-1 Extra	0 + 000	2 + 000	2000	
TOTAL	1 PLACE		2000	

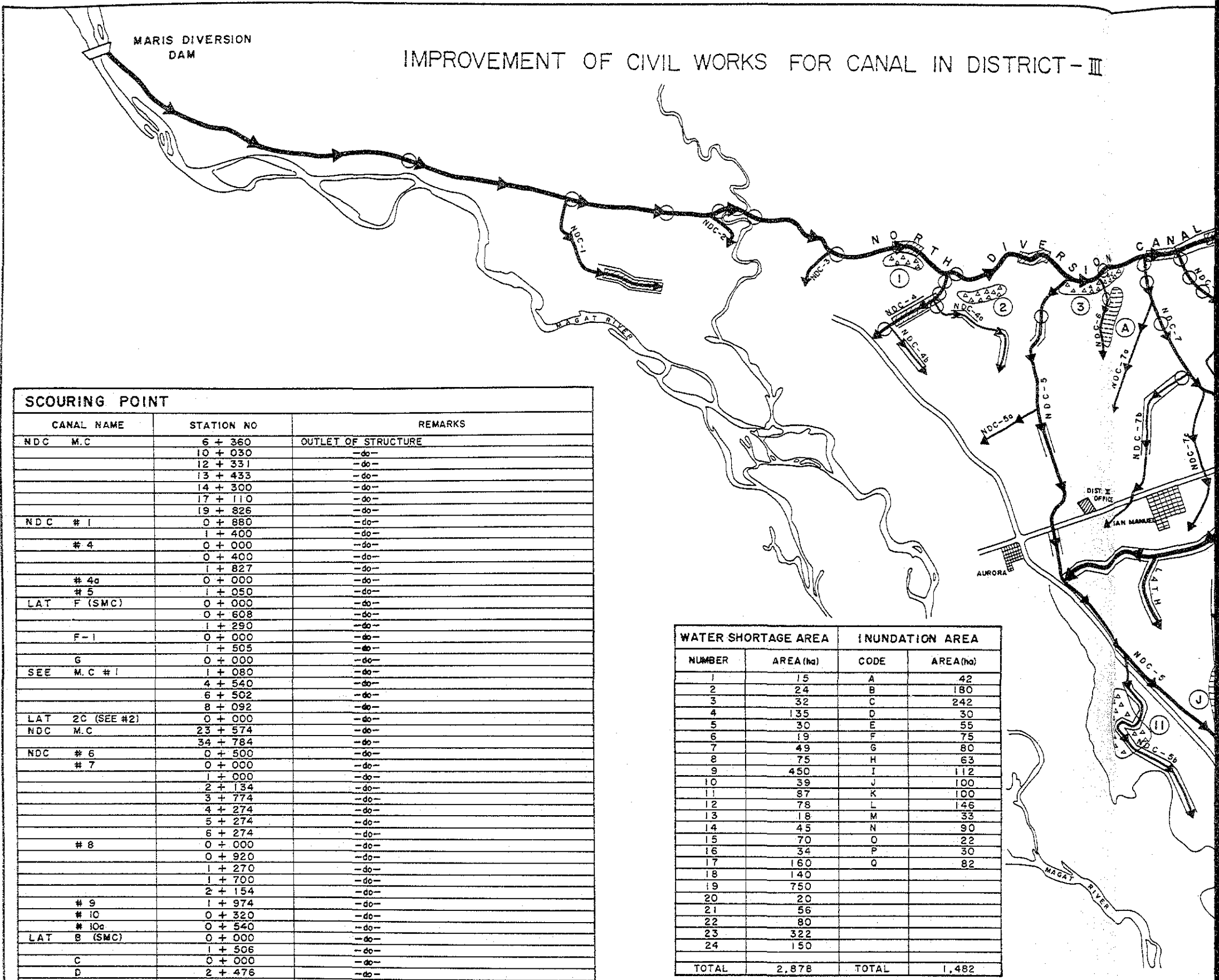
DEFECTIVE STRUCTURE				
NAME OF CANAL	STATION NO.	TYPE OF STRUCTURE	REMARKS	
MARIS MAIN CANAL	30 + 640	FLUME	NEW CONSTRUCTION	
LAT. A	17 + 966	THR. CROSSING	DEMOLITION AND RECONSTRUCTION	
" E	5 + 912	FLUME	NEW CONSTRUCTION	
" E-1	6 + 211	ROAD CROSSING	DEMOLITION AND RECONSTRUCTION	
"	6 + 661	THR. CROSSING	- do -	
"	0 + 555.5	ROAD CROSSING	- do -	
OSCARIZ M.C.	8 + 680	THR. CROSSING & DROP	- do -	
CREEK		CHECK GATE	REPAIR	
TOTAL	8 PLACES			

SILTING LINE				
NAME OF CANAL	STATION NO.		LENGTH	REMARKS
	FROM	TO		
LAT. A-2a-1	1 + 700	4 + 740	3040	
" A-2a-4 Ext.	0 + 440	5 + 570	5130	
" A-2a-5 Ext.	1 + 200	3 + 000	1800	
" A-2a-6	0 + 915	1 + 500	585	
" A-2a-7	0 + 000	0 + 375	375	
" A-5	7 + 030	9 + 500	2470	
" A-6	1 + 185.5	4 + 168.4	2982.9	
" C-2	1 + 986	7 + 101	5115	
" C-20	1 + 848	4 + 121	2273	
" C-2a-1	0 + 000	1 + 960	1880	
" D	5 + 048	6 + 410	1362	
" D-1	3 + 424	4 + 885	1456	
" D-1a Ext.	0 + 000	2 + 530	2530	
" D-1c	9 + 390	10 + 630	6240	
" D-1a-1	2 + 840	4 + 840	2000	
" D-1a-2	0 + 000	6 + 432.5	6432.5	
" D-1a-2a	0 + 000	2 + 820	2820	
" E	6 + 375	12 + 577	6202	
" E-1	0 + 000	5 + 299	5299	
" E-1a	0 + 000	2 + 060	2060	
" F	3 + 000	4 + 030	1030	
" F-1	0 + 000	0 + 860	860	
" F-2	0 + 000	0 + 214	214	
" H Extra	0 + 000	3 + 791	3791	
" H Extra-1	0 + 000	1 + 438	1438	
" H Extra-2	0 + 000	3 + 620	3620	
" I Extra	0 + 000	2 + 400	2400	
" I	0 + 000	6 + 226	6226	
" I-1	0 + 750	0 + 950	200	
" J	0 + 000	7 + 675	7675	
" J-1	0 + 000	1 + 268	1268	
" J-2	0 + 000	1 + 060	1060	
TOTAL	32 PLACES		86,824.4	

WATER SHORTAGE AREA			INUNDATION AREA		
NO.	AREA (Ha.)	REMARKS	CODE	AREA (Ha.)	REMARKS
1	82		A	157	
2	157		B	450	
3	74		C	110	
4	96		D	36	
5	285		E	30	
6	135				
7	292				
8	28				
9	178				
10	71				
11	75				
12	75				
13	143				
TOTAL	1,701		TOTAL	783	

MARIS DIVERSION DAM

IMPROVEMENT OF CIVIL WORKS FOR CANAL IN DISTRICT - III



SCOURING POINT

CANAL NAME	STATION NO	REMARKS
NDC M.C	6 + 360	OUTLET OF STRUCTURE
	10 + 030	-do-
	12 + 331	-do-
	13 + 433	-do-
	14 + 300	-do-
	17 + 110	-do-
	19 + 826	-do-
NDC # 1	0 + 880	-do-
# 4	0 + 400	-do-
	0 + 400	-do-
	1 + 827	-do-
# 4a	0 + 000	-do-
# 5	1 + 050	-do-
LAT F (SMC)	0 + 000	-do-
	0 + 608	-do-
	1 + 290	-do-
F-1	0 + 000	-do-
	1 + 505	-do-
G	0 + 000	-do-
SEE M.C # 1	1 + 080	-do-
	4 + 540	-do-
	6 + 502	-do-
	8 + 092	-do-
LAT 2C (SEE #2)	0 + 000	-do-
NDC M.C	23 + 574	-do-
	34 + 784	-do-
NDC # 6	0 + 500	-do-
# 7	0 + 000	-do-
	1 + 000	-do-
	2 + 134	-do-
	3 + 774	-do-
	4 + 274	-do-
	5 + 274	-do-
	6 + 274	-do-
# 8	0 + 000	-do-
	0 + 920	-do-
	1 + 270	-do-
	1 + 700	-do-
	2 + 154	-do-
# 9	1 + 974	-do-
# 10	0 + 320	-do-
# 10a	0 + 540	-do-
LAT B (SMC)	0 + 000	-do-
	1 + 506	-do-
C	0 + 000	-do-
D	2 + 476	-do-
TOTAL	47 PLACES	

WATER SHORTAGE AREA		INUNDATION AREA	
NUMBER	AREA (ha)	CODE	AREA (ha)
1	15	A	42
2	24	B	180
3	32	C	242
4	135	D	30
5	30	E	55
6	19	F	75
7	49	G	80
8	75	H	63
9	450	I	112
10	39	J	100
11	87	K	100
12	78	L	146
13	18	M	33
14	45	N	90
15	70	O	22
16	34	P	30
17	160	Q	82
18	140		
19	750		
20	20		
21	56		
22	80		
23	322		
24	150		
TOTAL	2,878	TOTAL	1,482

SILTING LINE

CANAL NAME	STATION NO		LENGTH	REMARKS
	FROM	TO		
NDC # 1	3 + 440	4 + 560	1,120	
# 4	0 + 778	1 + 827	1,049	
# 4a	0 + 380	0 + 840	460	
# 4b	1 + 680	2 + 180	500	
# 5	1 + 050	1 + 550	500	
# 5a	3 + 910	4 + 410	500	
# 5b	6 + 145	6 + 650	505	
# 5c	0 + 500	2 + 814	2,314	
SSMC	15 + 127	20 + 590	5,463	
LAT F (SMC)	0 + 050	3 + 255	3,205	
F-1	0 + 529	2 + 332	1,803	
F-2	0 + 000	2 + 428	2,428	
G	0 + 010	0 + 729	719	
G-1	1 + 257	4 + 708	3,451	
H	0 + 000	1 + 968	1,968	
SEE # 1A-1	0 + 000	0 + 705	705	
# 1A-4	0 + 660	1 + 820	1,160	
# 1A-6	0 + 700	1 + 880	1,180	
# 1C	2 + 880	3 + 230	350	
SEE # 2B	0 + 980	3 + 060	2,080	
# 2C	3 + 560	8 + 000	4,440	
# 2E	0 + 900	2 + 700	1,800	
NDC	25 + 571	28 + 950	3,379	
# 7b	0 + 000	1 + 450	1,450	
# 8b	0 + 400	3 + 880	3,480	
# 11	0 + 000	1 + 140	1,140	
# 12	0 + 280	1 + 000	720	
SSMC	5 + 343	15 + 127	9,784	
LAT B-2	2 + 161	5 + 097	2,936	
C	2 + 380	5 + 000	2,620	
NMC	7 + 527	17 + 257	9,730	
NMC - Ext'n	0 + 000	7 + 517	7,517	
NMC A-3a-1	0 + 000	2 + 000	2,000	
B	0 + 000	5 + 040	5,040	
C	0 + 000	3 + 058	3,058	
D	0 + 000	1 + 850	1,850	
G	4 + 400	6 + 240	1,840	
G-1	0 + 000	3 + 010	3,010	
TOTAL	42 PLACES		104,387	

PEPAIR LINE

CANAL NAME	STATION NO		LENGTH	REMARKS
	FROM	TO		
NDC M.C	6 + 360	17 + 110	10,750	WIDENING OF EMBANKMENT & ROADWAY
	19 + 220	19 + 320	100	WIDENING OF LEFT EMBANKMENT
	19 + 320	19 + 826	506	WIDENING OF EMBANKMENT & ROADWAY
	22 + 500	22 + 560	60	WIDENING OF ROADWAY
	24 + 876	25 + 571	695	UPGRADING OF EMBANKMENT
NDC # 1	3 + 440	4 + 560	1,120	DESILTING / CONSTRUCTION OF ROAD
# 4	0 + 440	1 + 800	1,360	UPGRADING OF LEFT EMBANKMENT
# 4a	0 + 000	0 + 020	20	WIDENING OF EMBANKMENT
# 5	14 + 100	14 + 174	74	UPGRADING OF EMBANKMENT
LAT F (SMC)	0 + 000	0 + 040	40	WIDENING OF ROADWAY
	0 + 608	0 + 648	40	-do-
	1 + 290	1 + 330	40	-do-
	4 + 234	9 + 300	5,066	UPGRADING OF EMBANKMENT
F-1	0 + 000	0 + 040	40	WIDENING OF ROADWAY
NDC M.C	25 + 970	26 + 030	60	UPGRADING OF EMBANKMENT
	30 + 103	30 + 984	881	-do-
	32 + 180	32 + 500	320	-do-
	34 + 580	34 + 620	40	-do-
NDC # 7	0 + 000	0 + 040	40	-do-
	2 + 134	2 + 154	20	WIDENING OF EMBANKMENT & ROADWAY
	3 + 774	3 + 794	20	-do-
	4 + 274	4 + 294	20	-do-
	5 + 274	5 + 294	20	-do-
	6 + 274	6 + 294	20	-do-
# 8	1 + 700	2 + 154	454	UPGRADING OF EMBANKMENT
LAT A (NMC)	2 + 321	3 + 717	1,396	-do-
BAGNAY CREEK (CHANNEL)				CONSTRUCTION OF ROADWAY & GRAVELLING
TOTAL	27 PLACES		23,202	

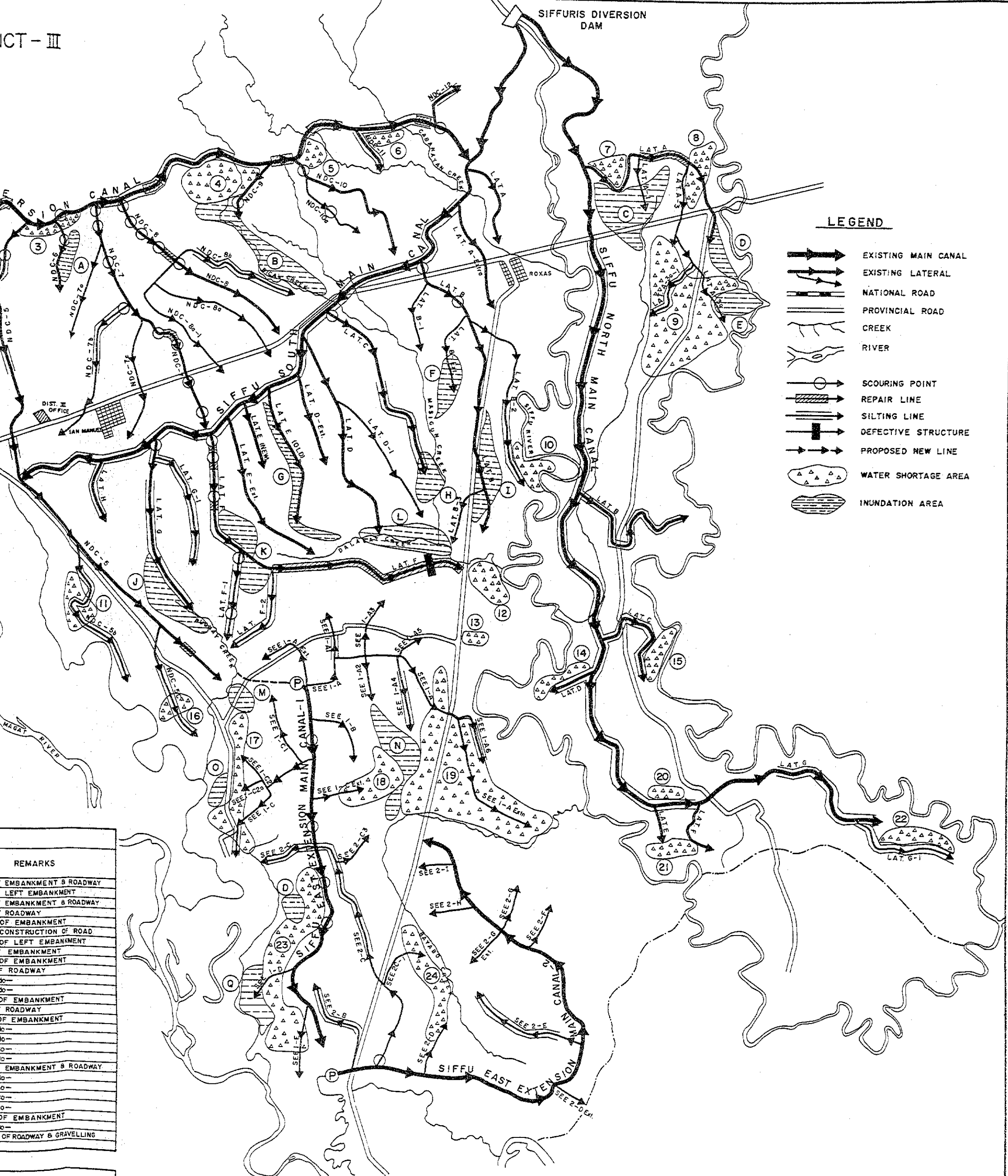
NEW LINE

CANAL NAME	STATION NO		REMARKS
	FROM	TO	

DEFECTIVE STRUCTURE

CANAL NAME	STATION NO	TYPE OF STRUCT	REMARKS
LAT F (SMC)	8 + 829	THR CRO W/CHECK	FOR DEMOLITION AND NEW CONSTRUCTION
TOTAL		1 PLACE	

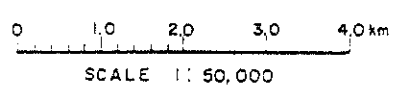
CT - III



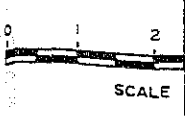
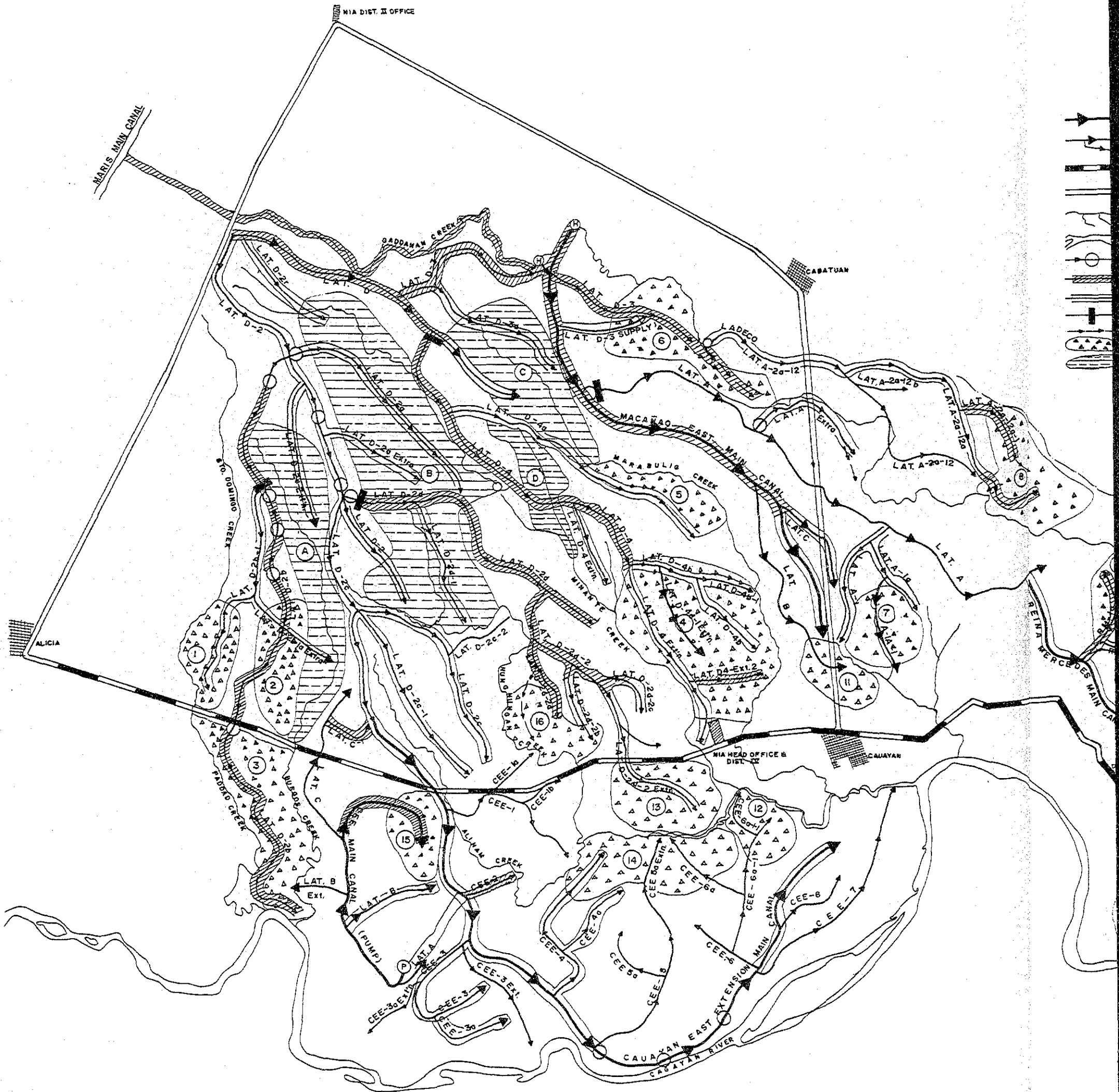
LEGEND

- EXISTING MAIN CANAL
- EXISTING LATERAL
- NATIONAL ROAD
- PROVINCIAL ROAD
- CREEK
- RIVER
- SCOURING POINT
- REPAIR LINE
- SILTING LINE
- DEFECTIVE STRUCTURE
- PROPOSED NEW LINE
- WATER SHORTAGE AREA
- INUNDATION AREA

REMARKS
EMBANKMENT & ROADWAY
LEFT EMBANKMENT
EMBANKMENT & ROADWAY
ROADWAY
OF EMBANKMENT
CONSTRUCTION OF ROAD
OF LEFT EMBANKMENT
EMBANKMENT
OF EMBANKMENT
OF ROADWAY
30-
OF EMBANKMENT
OF ROADWAY
OF EMBANKMENT
30-
OF EMBANKMENT
OF ROADWAY
30-
OF EMBANKMENT
OF ROADWAY & GRAVELLING
30-
MARKS
30-
MARKS
CONSTRUCTION





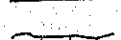





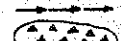
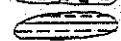



IMPROVEMENT OF CIVIL WORKS FOR CANAL IN DISTRICT - V



RICT - V

LEGEND

-  EXISTING MAIN CANAL
-  EXISTING LATERAL
-  NATIONAL ROAD
-  PROVINCIAL ROAD
-  CREEK
-  RIVER
-  SCOURING POINT
-  REPAIR LINE
-  SILTING LINE
-  DEFECTIVE STRUCTURE
-  PROPOSED NEW LINE
-  WATER SHORTAGE AREA
-  INUNDATION AREA



SCOURING POINT		
NAME OF CANAL	STATION NO.	REMARKS
LAT. D-2	5 + 425	OUTLET OF STRUCTURE
"	7 + 195	-do-
" D-2a	0 + 000	-do-
" D-2b	0 + 754	-do-
"	3 + 900	-do-
"	5 + 600	-do-
"	6 + 300	-do-
"	11 + 115	-do-
" D-2d	0 + 000	-do-
" CEE M.C.	5 + 400	-do-
"	10 + 700	-do-
"	14 + 450	-do-
LAT. A (MAC.)	0 + 000	-do-
" A Ext. (MAC.)	0 + 000	-do-
TOTAL	14 PLACES	

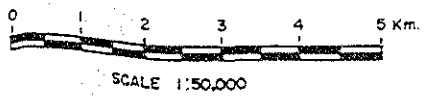
SILTING LINE				
NAME OF CANAL	STATION NO.		LENGTH	REMARKS
	FROM	TO		
LAT. D	12 + 106	15 + 010	2904	
" D-2	7 + 414	9 + 950	2536	
" D-2a	0 + 000	6 + 300	4300	
" D-2a Ext.	0 + 000	2 + 780	2780	
" D-2d-2	0 + 000	2 + 174	2174	
" D-2d-2a	0 + 000	2 + 080	2080	
" D-2d-2b	0 + 000	1 + 358	1358	
" D-2d-2c	0 + 000	1 + 230	1230	
" D-3	0 + 000	9 + 800	9800	
" D-3a	0 + 000	3 + 600	3600	
" CEE-2	0 + 000	1 + 200	1200	
" CEE-3	0 + 000	3 + 120	3120	
" A-1 (MAC.)	0 + 000	3 + 180	3180	
" A-1a (MAC.)	0 + 000	2 + 100	2100	
RM - 1	0 + 000	2 + 200	2200	
RM - 1a	0 + 000	2 + 550	2550	
RM - 2	0 + 000	1 + 880	1880	
TOTAL		17 PLACES	45992	

REPAIR LINE				
NAME OF CANAL	STATION NO.		LENGTH	REMARKS
	FROM	TO		
LAT. D	6 + 410	12 + 106	5696	WIDENING AND UPGRADING
" D-2b	0 + 756	12 + 215	12215	-do-
" D-2d	0 + 000	6 + 160	6160	-do-
" D-2d-2	0 + 000	1 + 378	1378	-do-
" D-3	4 + 430	9 + 800	5370	-do-
" D-4 Ext'n.	0 + 000	8 + 480	8480	-do-
" CEE M.C. (PUMP)	5 + 285	8 + 220	2935	REHABILITATION & IMPROVEMENT OF AUXILIARY BERM
TOTAL		7 PLACES	42,234	

NEW LINE				
NAME OF CANAL	STATION NO.		LENGTH	REMARKS
	FROM	TO		
LAT. D-2d-2a-1	0 + 000	2 + 000	2000	NEW LATERAL IRRIGATE ABOUT 100 Ha.
" D-3 Ext'n.	9 + 800	10 + 800	1000	Ext'n. CANAL TO IRRIGATE ABOUT 65 Ha.
" A Ext. Ext'n.	2 + 350	3 + 350	1000	-do- 60Ha.
TOTAL		3 PLACES	4,000	

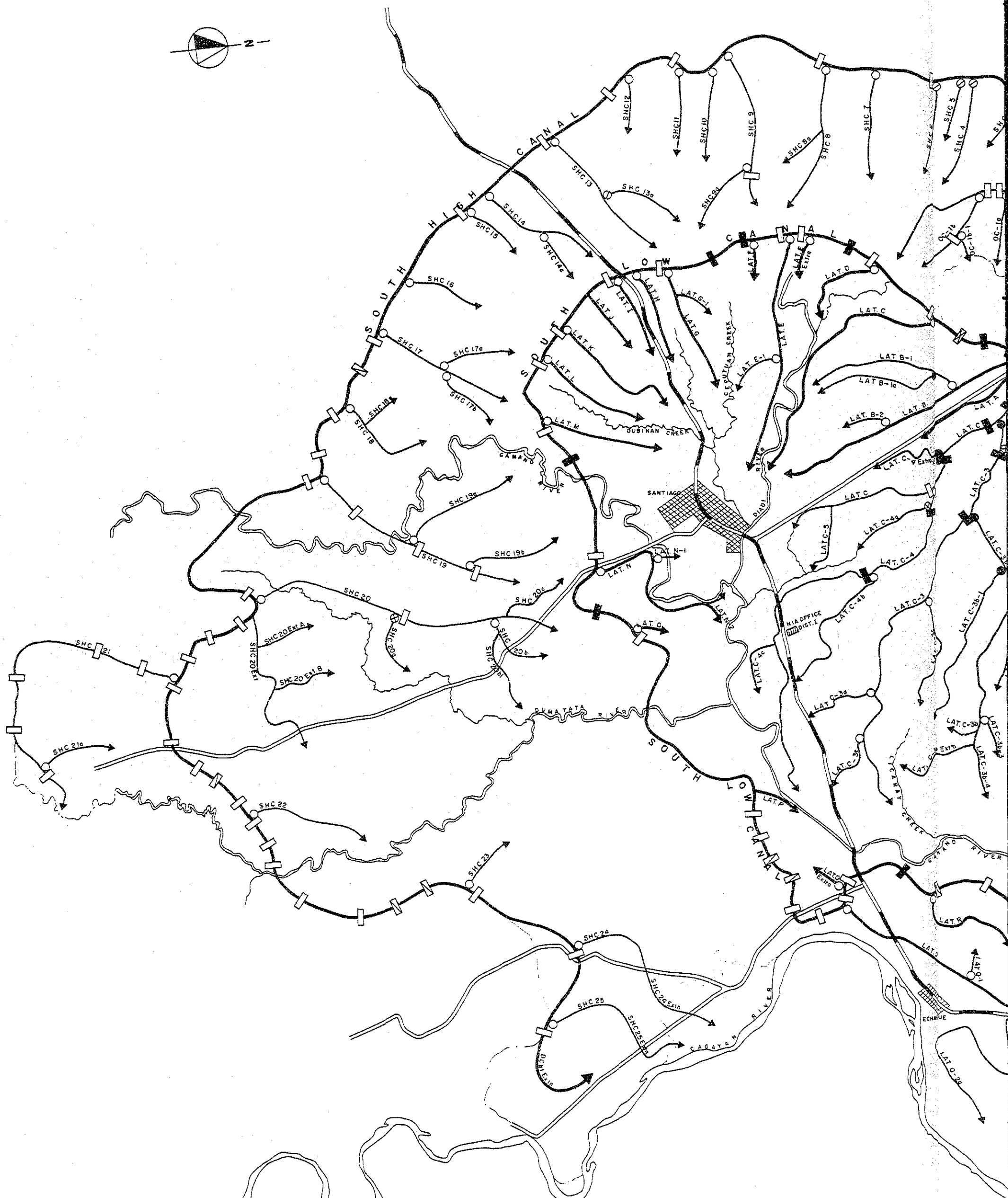
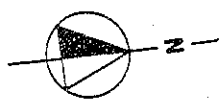
DEFECTIVE STRUCTURE				
NAME OF CANAL	STATION NO.	TYPE OF STRUCTURE	REMARKS	
LAT. D-2b	3 + 260	SLAB BRIDGE	FOR DEMOLITION AND NEW CONSTRUCTION	
" D-4	0 + 060	PARSHALL FLUME	FOR DEMOLITION	
" D-2d	0 + 040	-do-	-do-	
" A (MAC.)	0 + 160	-do-	-do-	
TOTAL		5 PLACES		

WATER SHORTAGE AREA			INUNDATION AREA		
NO.	AREA (HA.)	REMARKS	CODE	AREA (Ha.)	REMARKS
1	210		A	740	
2	300		B	2000	
3	430		C	600	
4	680		D	200	
5	200				
6	340				
7	180				
8	400				
9	110				
10	800				
11	60				
12	60				
13	100				
14	120				
15	70				
16	150				
TOTAL	4,210		TOTAL	3,540	



IMPROVEMENT OF GATE WORKS FOR CANAL IN DISTRICT - I





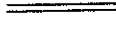









MAGAT DAM

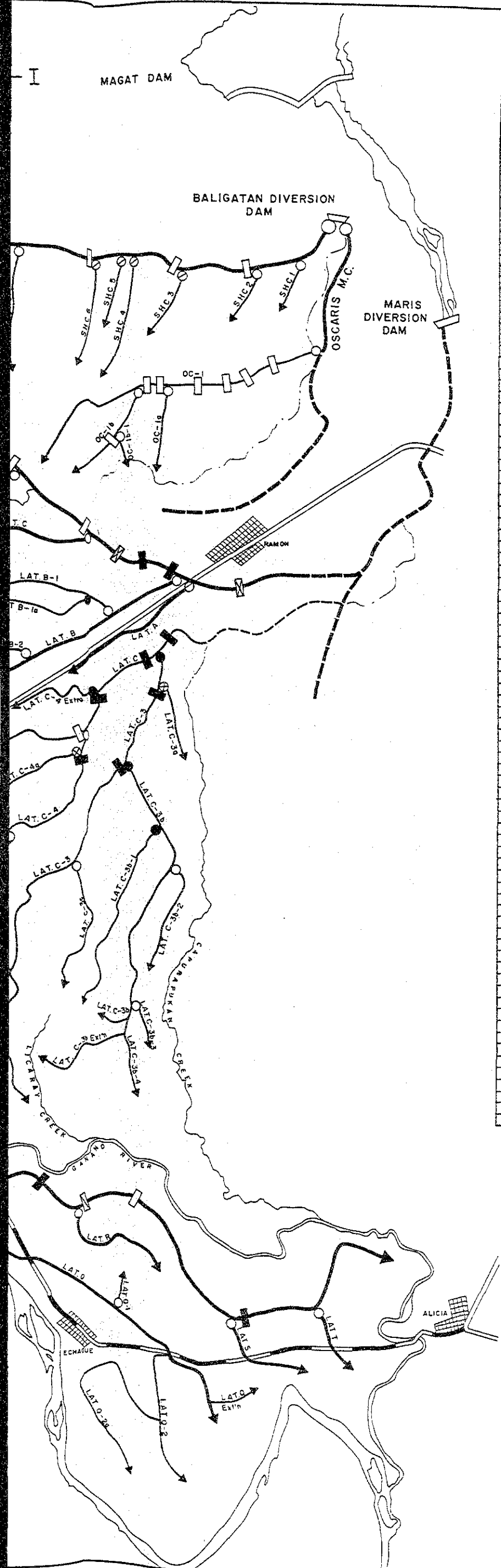
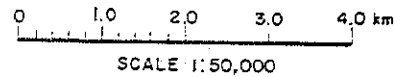


LIST OF GATE

NAME OF CANAL	NUMBER OF STRUCTURES			NUMBER OF GATE				
	HEAD GATE	CHECK GATE	TOTAL	HEAD GATE		CHECK GATE		TOTAL
	SLUICE	RADIAL		SLUICE	RADIAL	SLUICE	RADIAL	
S. H. C								
LAT SHC 1	6		33			42	14	62
2								
3								
4								
5								
6								
7								
8								
9			2					2
9a								
10								
11								
12								
13								
13a								
14								
14a								
15								
16								
17								
17a								
17b								
18								
19			4			3		4
19a								
19b								
20			2					2
20a								
20b								
21			6			5		6
21a								
22								
23								
24								
25								
S. L. C			32			58	14	72
LAT A								
B								
B-1								
B-1a								
B-2								
C								
D								
E Extra								
E								
E-1								
F								
G								
H								
I								
K								
L								
M								
N								
N-1								
O								
O-1								
O Extra								
R								
S								
T								
(M. M. C)								
LAT C		4	4			8		8
C-3		2	3	2		4		6
C-3a								
C-3b								
C-3b-1								
C-3b-2								
C-3b-3								
C-3c								
C-3d								
C-3e								
C-4		2	3			4		5
C-4 Extra								
C-4a								
C-4b								
O. M. C				2				2
LAT OC-1		6	7			6		7
OC-1a								
OC-1b			2					2
OC-1b-1								
GRAND TOTAL	80	89	169	87	—	133	28	248

LEGEND

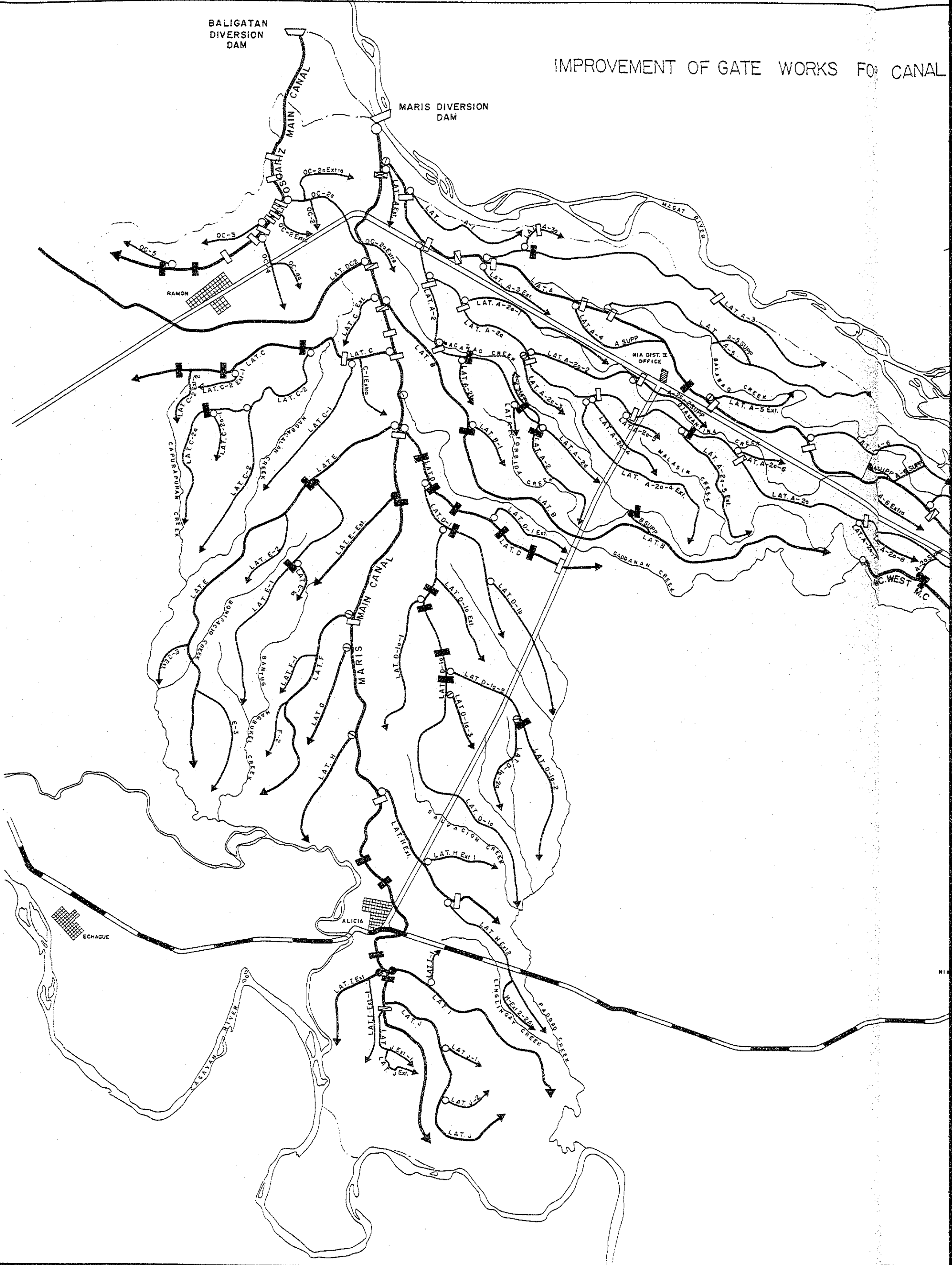
-  EXISTING MAIN CANAL
-  EXISTING LATERAL
-  NATIONAL HIGH WAY
-  PROVINCIAL ROAD
-  CREEK
-  RIVER
-  CHECK GATE GOOD FUNCTIONING
-  TO BE REPAIRED
-  TO BE REPLACED
-  TO BE NEWLY CONSTRUCTED
-  HEAD GATE GOOD FUNCTIONING
-  TO BE REPAIRED
-  TO BE REPLACED
-  TO BE NEWLY CONSTRUCTED



BALIGATAN
DIVERSION
DAM

IMPROVEMENT OF GATE WORKS FOR CANAL

MARIS DIVERSION
DAM



LIST OF GATE

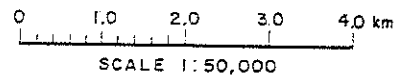
NAME OF CANAL	NUMBER OF STRUCTURES			NUMBER OF GATE				TOTAL
	HEAD GATE	CHECK GATE	TOTAL	HEAD GATE		CHECK GATE		
				SLUICE	RADIAL	SLUICE	RADIAL	
M. M. C								
LAT A		14	15	12	---	26	18	56
A-Ext		10	11	4	---	22	---	26
A-2		5	6	2	---	6	1	9
A-2a		10	11	2	---	17	---	19
A-2a-1		---	---	1	---	---	---	1
A-2a-2		---	2	---	---	2	---	3
A-2a-3		---	---	---	---	---	---	1
A-2a-4		---	---	---	---	---	---	1
A-2a-4Ext		---	---	---	---	---	---	1
A-2a-5		---	---	---	---	---	---	1
A-2a-5Ext		---	---	---	---	---	---	1
A-2a-6		---	---	---	---	---	---	1
A-2a-7		---	---	---	---	---	---	1
A-2a-8		---	---	---	---	---	---	1
A-2a-9		---	---	---	---	---	---	1
A-2a-9Ext		---	---	---	---	---	---	1
A-2a-10		---	---	---	---	---	---	1
A-2a-11		---	---	---	---	---	---	1
A-2b		---	---	---	---	---	---	1
A-2c		---	---	---	---	---	---	1
A-2d		---	---	---	---	---	---	1
A-3		2	3	2	---	4	---	6
A-3Ext		---	---	---	---	---	---	1
A-3a		---	2	---	---	3	---	4
A-4		---	---	---	---	---	---	1
A-5		---	---	---	---	---	---	1
A-5Ext		---	---	---	---	---	---	1
A-6		---	---	---	---	---	---	1
A-7		---	---	---	---	---	---	1
B		1	2	1	---	1	---	2
B-1		---	---	---	---	---	---	1
C		4	5	3	---	15	---	18
C-1		---	---	---	---	---	---	1
C-2		---	---	---	---	---	---	1
C-2Ext		---	---	---	---	---	---	1
C-2a		1	2	---	---	2	---	3
C-2a-1		---	---	---	---	---	---	1
D		6	7	---	3	28	---	31
D-1		---	2	---	---	---	---	2
D-1Ext		---	---	---	---	---	---	1
D-1a		4	5	---	---	5	---	6
D-1a-1		---	---	---	---	---	---	1
D-1a-2		---	2	---	---	---	---	2
D-1a-2a		---	---	---	---	---	---	1
D-1a-3		---	---	---	---	---	---	1
D-1b		---	---	---	---	---	---	1
DC2		---	---	---	2	---	---	2
E		---	---	---	---	---	---	1
E-1		---	---	---	---	---	---	1
E-1Ext		---	---	---	---	---	---	1
F		---	---	---	---	---	---	1
G		---	---	---	---	---	---	1
H		---	---	---	---	---	---	1
HExt		---	2	---	---	---	---	2
HExtra 1		---	---	---	---	---	---	1
HExtra 2		---	---	---	---	---	---	1
I		---	---	---	---	---	---	1
IExt		---	---	---	---	---	---	1
I-1		---	---	---	---	---	---	1
J		---	---	---	---	---	---	1
J-1		---	---	---	---	---	---	1
J-2		---	---	---	---	---	---	1
O. M. C		11	11	---	---	14	---	14
OC-2		---	---	---	---	---	---	1
OC-3		---	---	---	---	---	---	1
OC-4		---	---	---	---	---	---	1
OC-5		---	---	---	---	---	---	1
M. W. M. C		1	2	---	---	---	---	2
FORBIDA CREEK		---	---	---	---	2	---	2
GADDANAN CREEK		---	---	3	---	---	---	3
MACANAO CREEK		---	---	---	---	---	---	1
DIAMANTINA CREEK		---	---	---	---	---	---	1
A-SUPP		---	---	---	---	---	---	1
A-2a SUPP		---	---	2	---	---	---	2
B-SUPP		---	---	---	---	---	---	1
GRAND TOTAL	76	77	153	96	5	153	19	273

WORKS FOR CANAL IN DISTRICT - II



LEGEND

- EXISTING MAIN CANAL
- EXISTING LATERAL
- NATIONAL HIGH WAY
- PROVINCIAL ROAD
- CREEK
- RIVER
- CHECK GATE GOOD FUNCTIONING
- TO BE REPAIRED
- TO BE REPLACED
- TO BE NEWLY CONSTRUCTED
- HEAD GATE GOOD FUNCTIONING
- TO BE REPAIRED
- TO BE REPLACED
- TO BE NEWLY CONSTRUCTED

















MARIS DIVERSION DAM

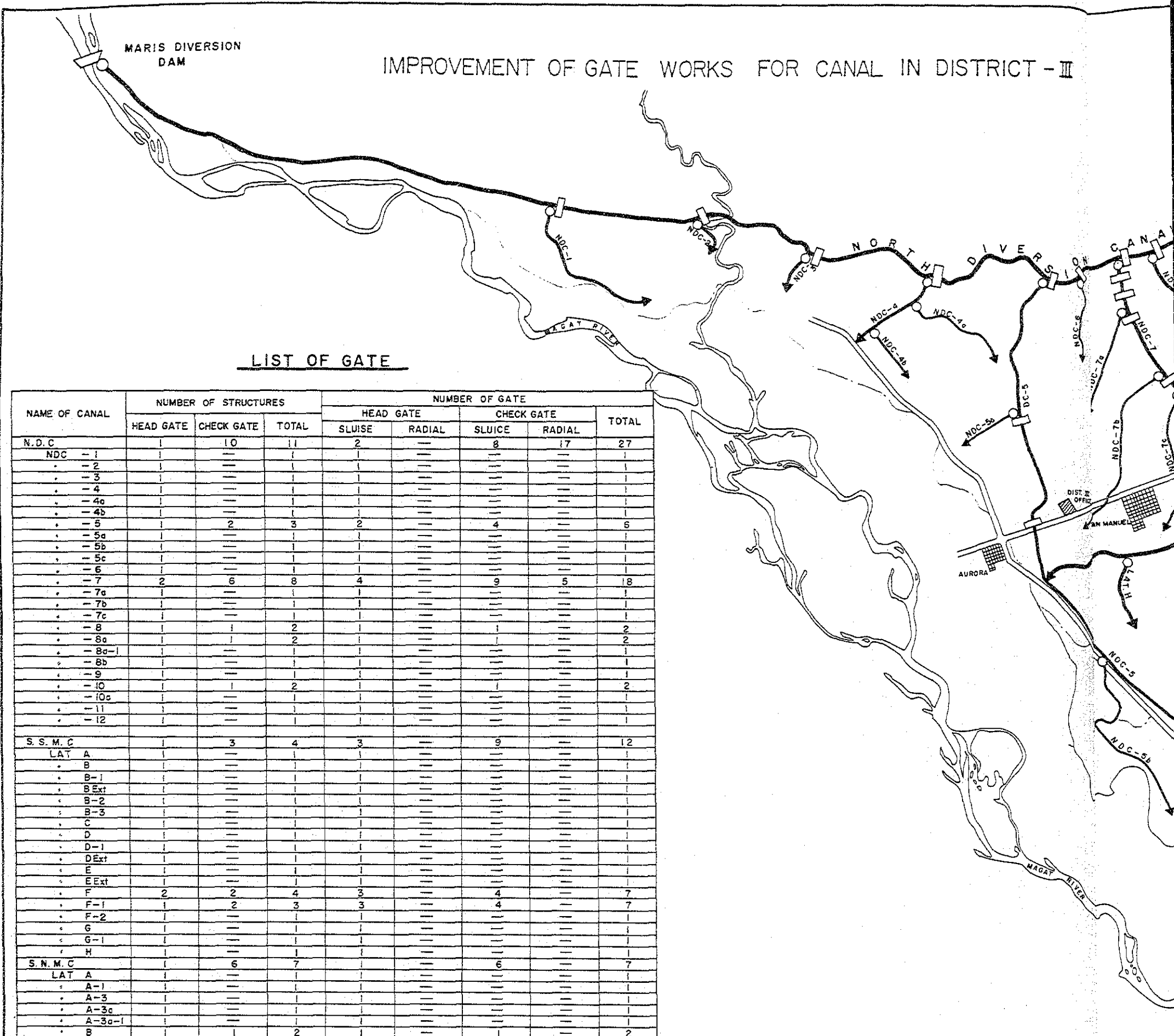
IMPROVEMENT OF GATE WORKS FOR CANAL IN DISTRICT - III

LIST OF GATE

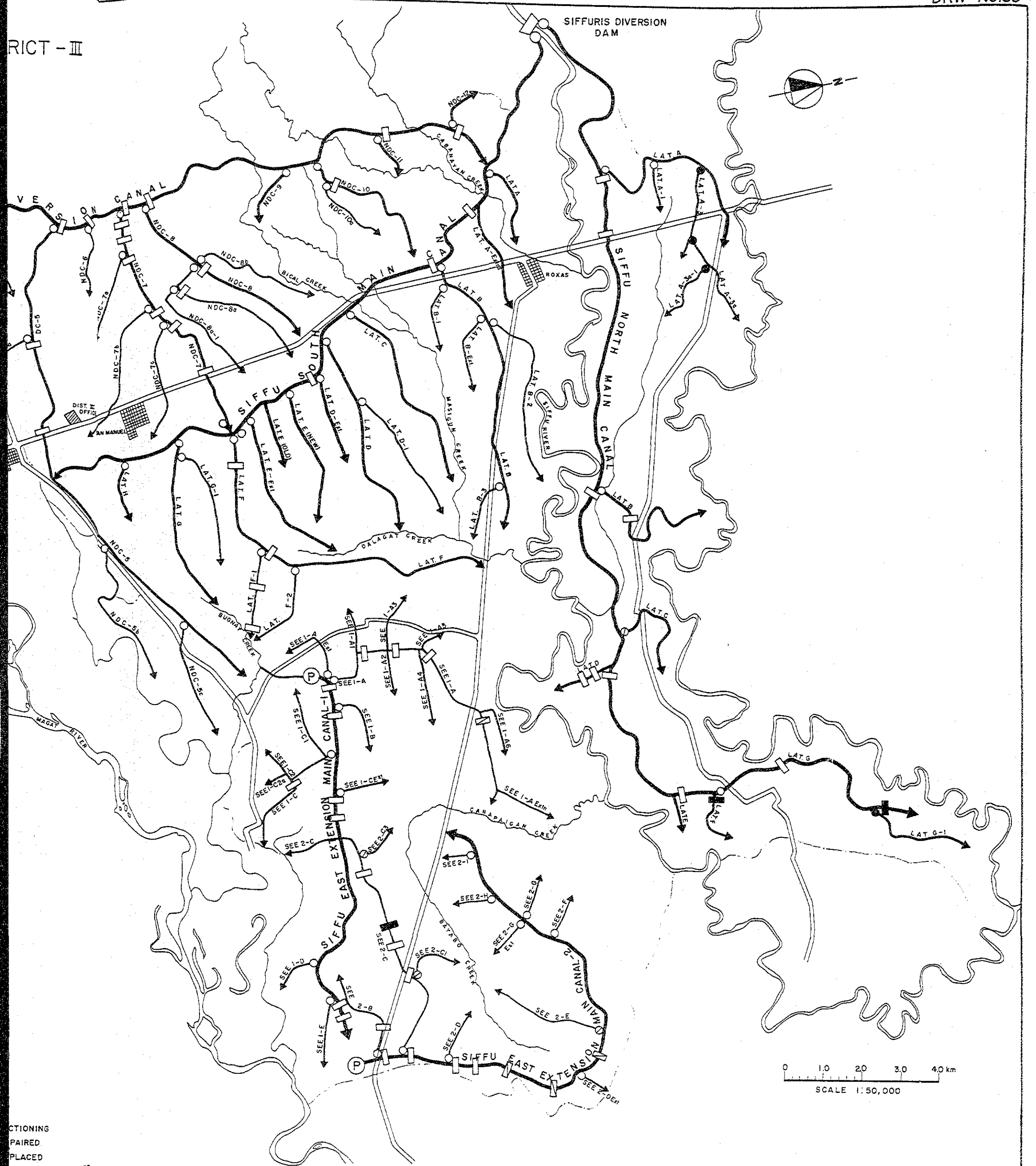
NAME OF CANAL	NUMBER OF STRUCTURES			NUMBER OF GATE				TOTAL
	HEAD GATE	CHECK GATE	TOTAL	HEAD GATE		CHECK GATE		
				SLUISE	RADIAL	SLUISE	RADIAL	
N.D.C		10	11	2		8	17	27
NDC - 1								
NDC - 2								
NDC - 3								
NDC - 4								
NDC - 4a								
NDC - 4b								
NDC - 5		2	3	2		4		6
NDC - 5a								
NDC - 5b								
NDC - 5c								
NDC - 6								
NDC - 7	2	6	8	4		9	5	18
NDC - 7a								
NDC - 7b								
NDC - 7c								
NDC - 8			2					2
NDC - 8a			2					2
NDC - 8a-1								
NDC - 8b								
NDC - 9								
NDC - 10			2					2
NDC - 10a								
NDC - 11								
NDC - 12								
S.S.M.C		3	4	3		9		12
LAT A								
LAT B								
LAT B-1								
LAT BExt								
LAT B-2								
LAT B-3								
LAT C								
LAT D								
LAT D-1								
LAT DExt								
LAT E								
LAT EExt								
LAT F	2	2	4	3		4		7
LAT F-1	1	2	3	3		4		7
LAT F-2								
LAT G								
LAT G-1								
LAT H								
S.N.M.C		6	7			6		7
LAT A								
LAT A-1								
LAT A-3								
LAT A-3a								
LAT A-3a-1								
LAT B		1	2					2
LAT C								
LAT D		2	2			2		2
LAT G		2	3			2		3
LAT G-1								
S.E.E.M.C-1		5	6	3		13		16
SEE 1-A		4	5			4		5
SEE 1-AExt								
SEE 1-B								
SEE 1-CExt								
SEE 1-C			2					2
SEE D								
SEE E								
S.E.E.M.C-2		6	7			7		7
SEE 2-B			2					2
SEE 2-C		4	5			4		5
SEE 2-C1								
SEE 2-C3								
SEE 2-D								
SEE 2-DExt								
SEE 2-E								
SEE 2-F								
SEE 2-G								
SEE 2-GExt								
SEE 2-H								
SEE 2-I								
GRAND TOTAL	77	60	137	87		82	22	191

LEGEND

-  EXISTING MAIN CANAL
-  EXISTING LATERAL
-  NATIONAL HIGH WAY
-  PROVINCIAL ROAD
-  CREEK
-  RIVER
-  CHECK GATE GOOD FUNCTIONING
-  TO BE REPAIRED
-  TO BE REPLACED
-  TO BE NEWLY CONSTRUCTED
-  HEAD GATE GOOD FUNCTIONING
-  TO BE REPAIRED
-  TO BE REPLACED
-  TO BE NEWLY CONSTRUCTED

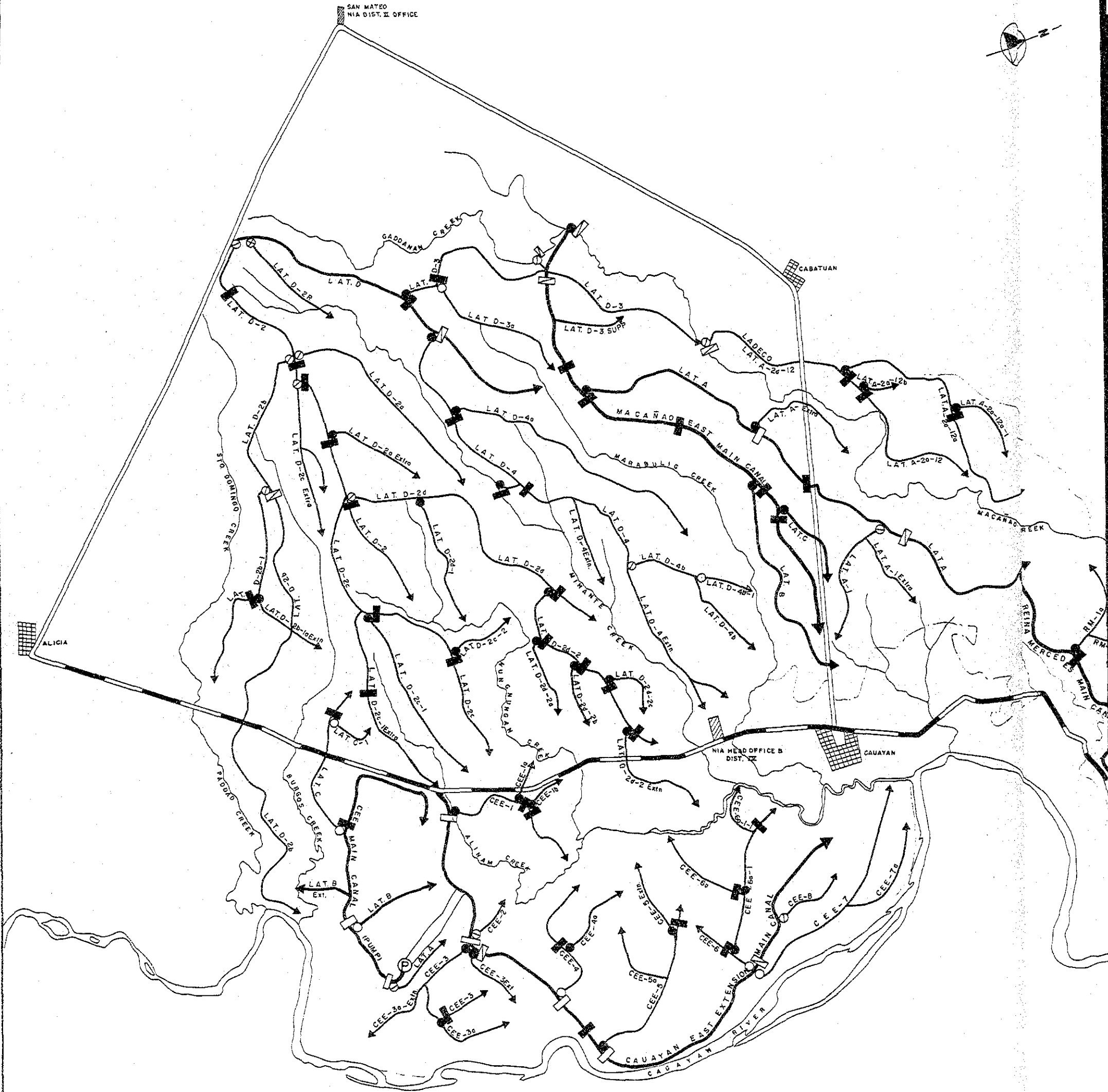


RICT - III



CTIONING
 PAIRED
 PLACED
 WLY CONSTRUCTED
 CTIONING
 PAIRED
 PLACED
 WLY CONSTRUCTED

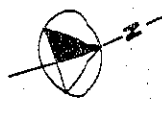
IMPROVEMENT OF GATE WORKS FOR CANAL IN DISTRICT



LIST OF GATE

NAME OF CANAL (M. M. C)	NUMBER OF STRUCTURES			NUMBER OF GATE				TOTAL
	HEAD GATE	CHECK GATE	TOTAL	HEAD GATE		CHECK GATE		
				SLUICE	RADIAL	SLUICE	RADIAL	
LAT A-2a-12	—	2	2	—	—	2	—	2
A-2a-12a	1	1	2	1	—	1	—	2
A-2a-12a-1	1	—	1	—	—	—	—	1
A-2a-12b	1	—	1	—	—	—	—	1
D	—	2	2	—	—	2	—	2
D-2	1	5	6	1	—	5	—	16
D-2c	1	—	1	—	—	—	—	1
D-2c Extra	1	—	1	—	—	—	—	1
D-2b	1	1	2	—	—	1	—	2
D-2b-1	1	1	2	—	—	1	—	2
D-2b-1a Extn	1	—	1	—	—	—	—	1
D-2c	—	2	2	—	—	2	—	2
D-2c Extra	1	—	1	—	—	—	—	1
D-2c-1	1	—	1	—	—	—	—	1
D-2c-1 Extra	—	1	1	—	—	3	—	3
D-2c-2	1	—	1	—	—	—	—	1
D-2d	1	1	2	—	—	1	—	2
D-2d-1	1	—	1	—	—	—	—	1
D-2d-2	1	4	5	—	—	4	—	5
D-2d-2a	1	—	1	—	—	—	—	1
D-2d-2b	1	—	1	—	—	—	—	1
D-2d-2c	1	—	1	—	—	—	—	1
D-2d-2 Extn	1	—	1	—	—	—	—	1
D-2R	1	—	1	—	—	—	—	1
D-3	1	—	2	—	—	—	—	2
D-3a	1	—	1	—	—	—	—	1
D-4	1	2	3	—	—	2	—	3
D-4a	1	—	1	—	—	—	—	1
D-4b	1	—	1	—	—	—	—	1
D-4b-1	1	—	1	—	—	—	—	1
MINANTE CREEK	1	1	2	—	—	4	—	5
M. E. M. C	1	6	7	4	—	10	—	24
LAT A	1	3	4	2	—	7	—	9
A Extra	1	—	1	—	—	—	—	1
A-1	1	—	1	—	—	—	—	1
B	1	—	1	—	—	—	—	1
C	1	—	1	—	—	—	—	1
MACANAO CREEK	1	1	1	—	—	8	—	8
C. E. E. M. C	1	7	7	—	—	10	—	10
CEE -1	1	2	3	—	—	2	—	3
-1a	1	—	1	—	—	—	—	1
-1b	1	—	1	—	—	—	—	1
-2	1	—	1	—	—	—	—	1
-3	1	1	2	—	—	—	—	2
-3a	1	—	1	—	—	—	—	1
-3 Extn	1	—	1	—	—	—	—	1
-4	1	1	2	—	—	—	—	2
-4a	1	—	1	—	—	—	—	1
-5	1	1	2	—	—	—	—	2
-5 Extn	1	—	1	—	—	—	—	1
-6	1	1	2	—	—	—	—	2
-6a	1	1	2	—	—	—	—	2
-6a-1	1	1	2	—	—	—	—	2
-7	1	—	1	—	—	—	—	1
-8	1	—	1	—	—	—	—	1
R. M. M. C	1	3	4	2	—	4	—	6
RM -1	1	—	1	—	—	—	—	1
-2	1	—	1	—	—	—	—	1
-3	1	—	1	—	—	—	—	1
-4	1	—	1	—	—	—	—	1
-5	1	—	1	—	—	—	—	1
C. E. E. M. C (PUMP)	1	3	3	—	—	3	—	3
LAT -A	1	—	1	—	—	—	—	1
-B	1	—	1	—	—	—	—	1
-C	1	1	2	—	—	1	—	2
-C-1	1	—	1	—	—	—	—	1
LADECO CREEK	1	1	2	—	—	10	—	11
GRAND TOTAL	60	57	117	65	—	100	—	165

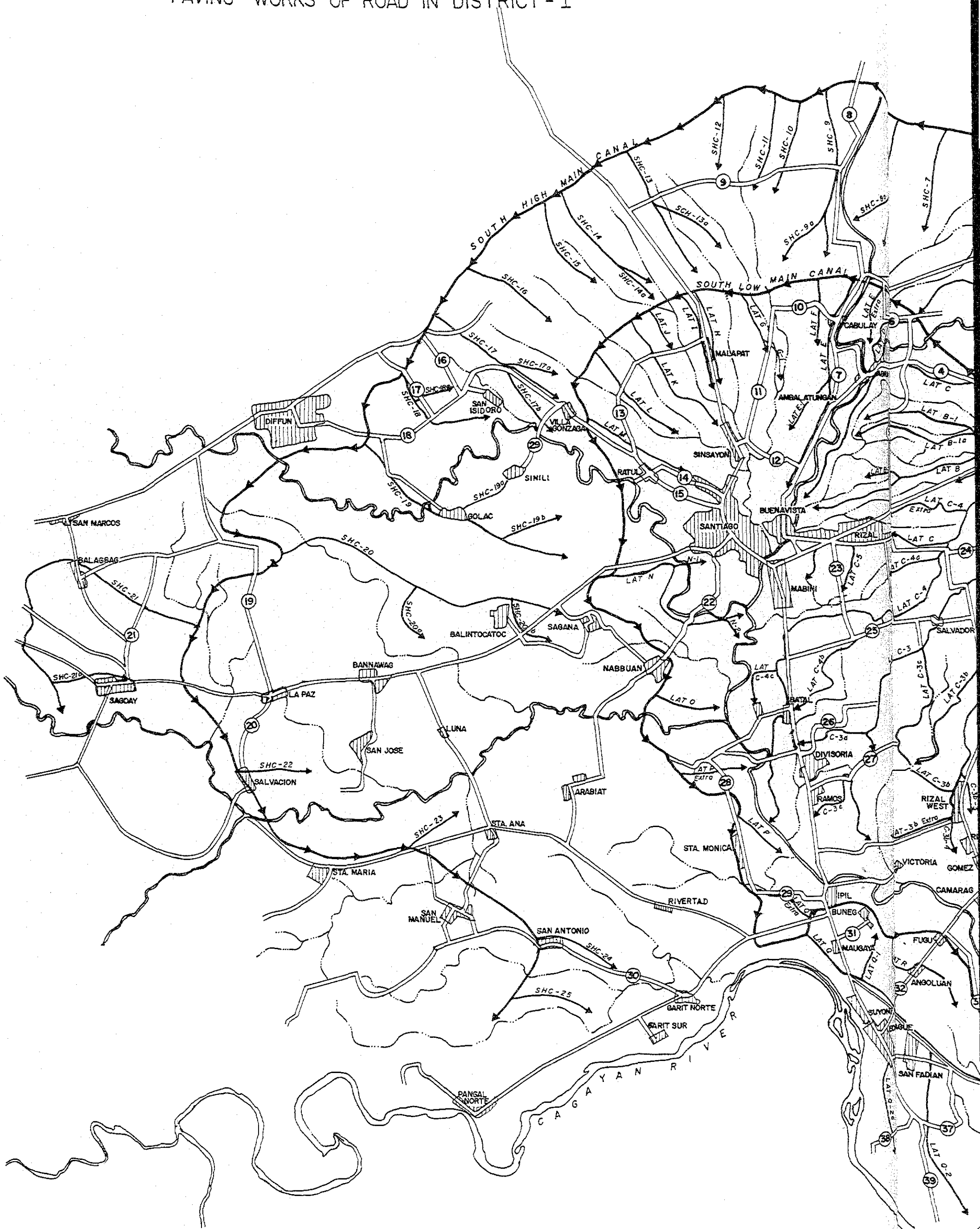
AL IN DISTRICT - IV







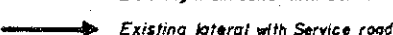



LEGEND

- EXISTING MAIN CANAL
- EXISTING LATERAL
- NATIONAL HIGH WAY
- PROVINCIAL ROAD
- CREEK
- RIVER
- CHECK GATE GOOD FUNCTIONING
- TO BE REPAIRED
- TO BE REPLACED
- TO BE NEWLY CONSTRUCTED
- HEAD GATE GOOD FUNCTIONING
- TO BE REPAIRED
- TO BE REPLACED
- TO BE NEWLY INSTALLED

PAVING WORKS OF ROAD IN DISTRICT - I



LEGEND

-  Dam
-  Pump station
-  Residential area (Town/barangay)
-  Existing main canal with Service road
-  Existing lateral with Service road
-  Access road
-  National and Provincial road
-  River creek

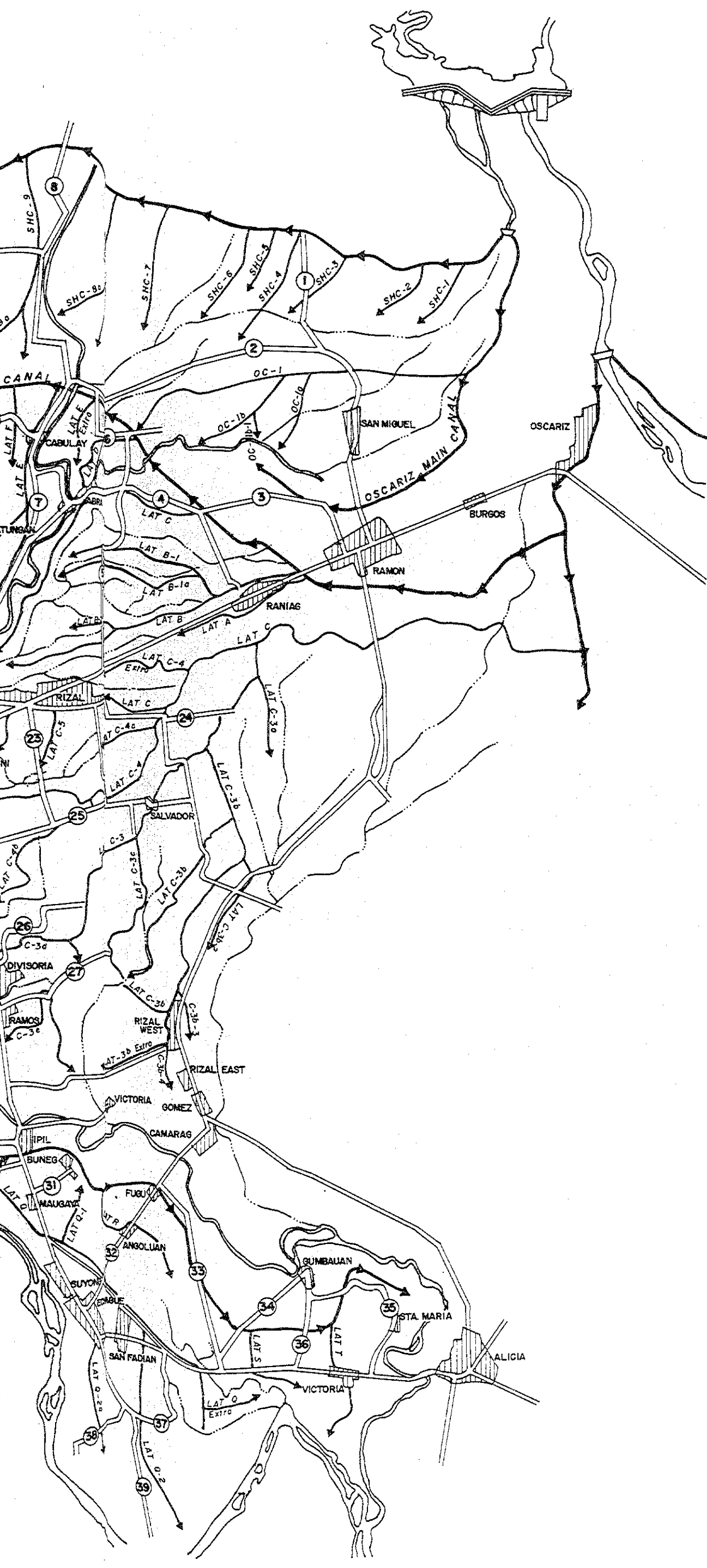
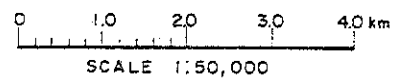
LIST OF ACCESS AND SERVICE ROAD DISTRICT I

ACCESS ROAD

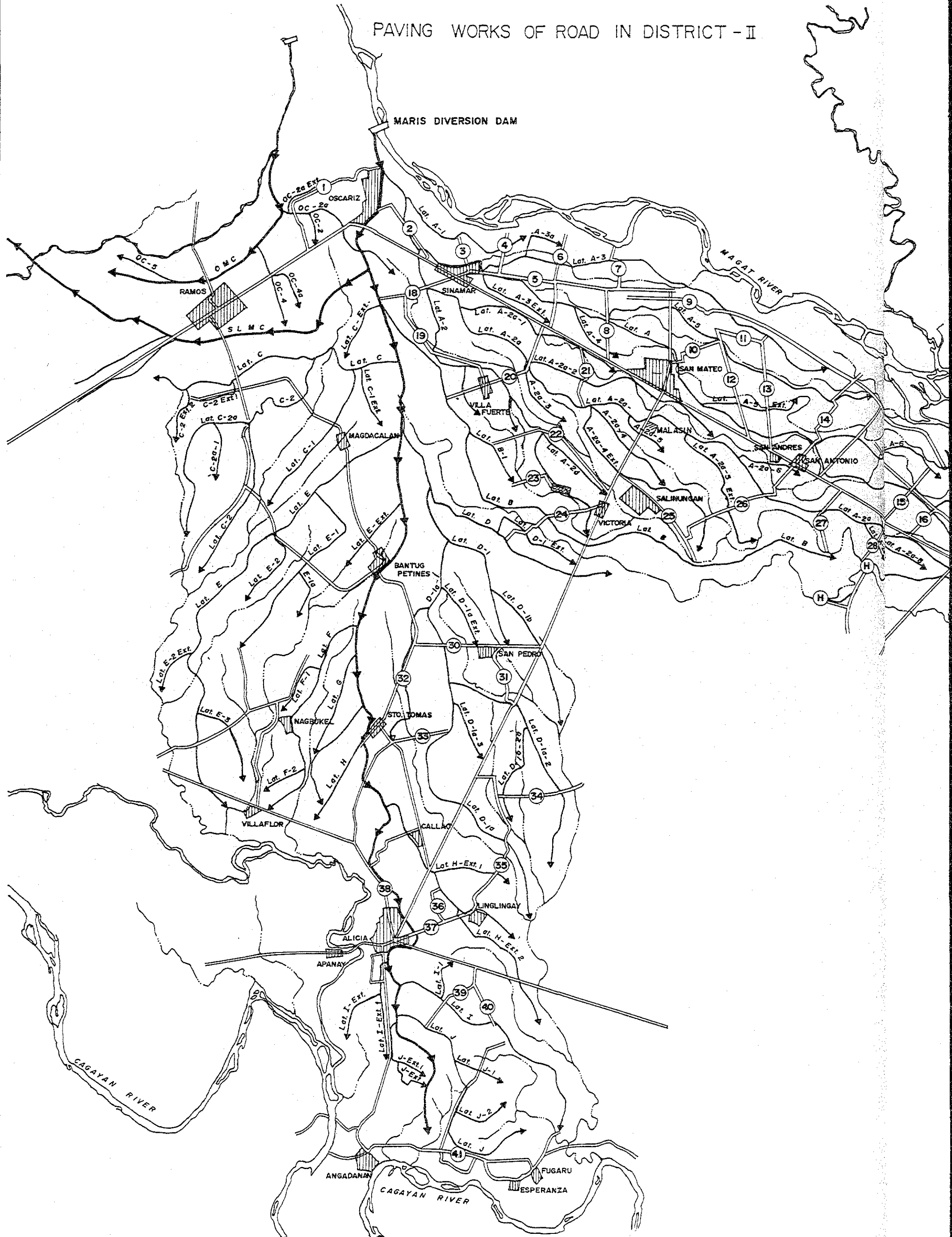
No.	From - To	LENGTH	REMARKS
1.	San Miguel - Cabalinaran	2.6	
2.	Villa Carmen - Ramon	9.1	
3.	Ramon - San Antonio	3.8	
4.	Raniag - Abra	5.9	
5.	Rizal - Villa Carmen	5.6	
6.	Villa Carmen - Cabulay	2.5	
7.	Cabulay - Buenavista	7.0	
8.	Villa Marso - Camarag	3.0	
9.	Cabulay - Cardon	9.5	
10.	Bantug - Cabulay	1.6	
11.	Sinsayon - Bantug	4.6	
12.	Sinsayon - Ambalacungan	1.6	
13.	Patul - Malapat	1.9	
14.	Santiago - Patul	2.6	
15.	Santiago-Patul - Villa Gonzaga	4.9	
16.	Sitio Navarro - San Isidro	2.2	
17.	María Clara - San Isidro	2.3	
18.	Diffun - Villa Gonzaga	8.9	
19.	Hifud - La Paz	4.0	
20.	La Paz - Salvacion	2.7	
21.	Balagbag - Seguday	4.7	
22.	Santiago - Nabuan	3.8	
23.	Rizal - Lat C-A	2.5	
24.	Rizal - Villa Marcos	3.0	
25.	Highway - Salvador	5.4	
26.	Divisoria - Lat C-3d	2.8	
27.	Ramos - Lat C-3C	3.0	
28.	Ipil - Sta Monica	5.6	
29.	Villa Gonzaga - Sindil	2.5	
30.	Ipil - San Antonio	12.4	
31.	Highway - Buneq	1.3	
32.	Highway - Fugo	4.0	
33.	Highway - Malibago-Fugo	4.3	
34.	Highway - Gumbuan	2.5	
35.	Highway - Sta Maria - Gumbuan	3.6	
36.	Highway - Gumbuan	1.8	
37.	Zhague - Sto Domingo	5.1	
38.	Sto Domingo - Highway	1.5	
39.	Sto Domingo - Salay	2.5	
39.	Sto Domingo - Dugayong	2.5	
Total		157.2	

SERVICE ROAD

No.	NAME	LENGTH	No.	NAME	LENGTH
40.	South High M.C.	67.00	83.	Lat D	6.6
41.	Lat SBC #1	1.0	84.	E	5.9
42.	SBC #2	0.6	85.	E-1	1.4
43.	SBC #3	0.9	86.	E-Extra	1.3
44.	SBC #4	3.0	87.	F	1.4
45.	SBC #5	0.9	88.	G	3.6
46.	SBC #6	1.9	89.	G-1	0.9
47.	SBC #7	1.5	90.	H	2.5
48.	SBC #8	3.9	91.	I	1.3
49.	SBC #8a	3.6	92.	J	1.1
49-1.	SBC #9	4.4	93.	K	4.1
50.	SBC #9a	1.2	94.	M	2.4
51.	SBC #10	2.0	95.	N	5.0
52.	SBC #11	1.6	96.	N-1	1.3
53.	SBC #12	1.3	97.	N-2	0.6
54.	SBC #13	3.5	98.	O	1.5
55.	SBC #13a	3.0	99.	P	1.0
56.	SBC #14	4.5	100.	P Extra	2.3
57.	SBC #14A	1.6	101.	Q	2.4
58.	SBC #15	4.0	102.	Q-1	1.0
59.	SBC #16	3.2	103.	Q-2	3.6
60.	SBC #17	3.5	104.	Q-2a	6.9
61.	SBC #17a	2.0	105.	Q-Extra	0.9
62.	SBC #17b	4.0	106.	Q-Extension	1.0
63.	SBC #18	3.4	107.	R	3.1
64.	SBC #18a	1.00	108.	S	2.6
65.	SBC #19	10.0	109.	T	2.0
66.	SBC #19a	2.6	110.	María Lat C	-
67.	SBC #19b	2.0	111.	C-3	-
68.	SBC #20	8.2	112.	C-3a	-
69.	SBC #20A	1.8	113.	C-3b	-
70.	SBC #20B	3.4	114.	C-3b-1	-
71.	SBC #21	9.6	115.	C-3b-2	-
72.	SBC #21A	1.6	116.	C-3b-3	-
73.	SBC #22	3.0	117.	C-3b-4	-
74.	SBC #23	1.8	118.	C-3b-Extension	-
75.	SBC #24	2.3	119.	C-4 Extra	-
76.	SBC #25	1.6	120.	C-4	-
77.	South Low M.C.	48.8	121.	C-4a	-
78.	Lat B	7.1	122.	C-4b	-
79.	B-1	3.2	123.	C-4C	-
80.	B-1a	4.7	124.	C-5	-
81.	B-2	2.2			
82.	C	6.6	Total		311.6



PAVING WORKS OF ROAD IN DISTRICT - II



LEGEND

- Dam
- Pump station
- Residential area (Town/barangay)
- Existing main canal with Service road
- Existing lateral with Service road
- Access road
- National and Provincial road
- River/creek

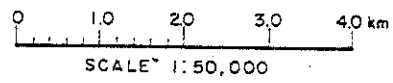
LIST OF ACCESS AND SERVICE ROAD
DISTRICT II

ACCESS ROAD

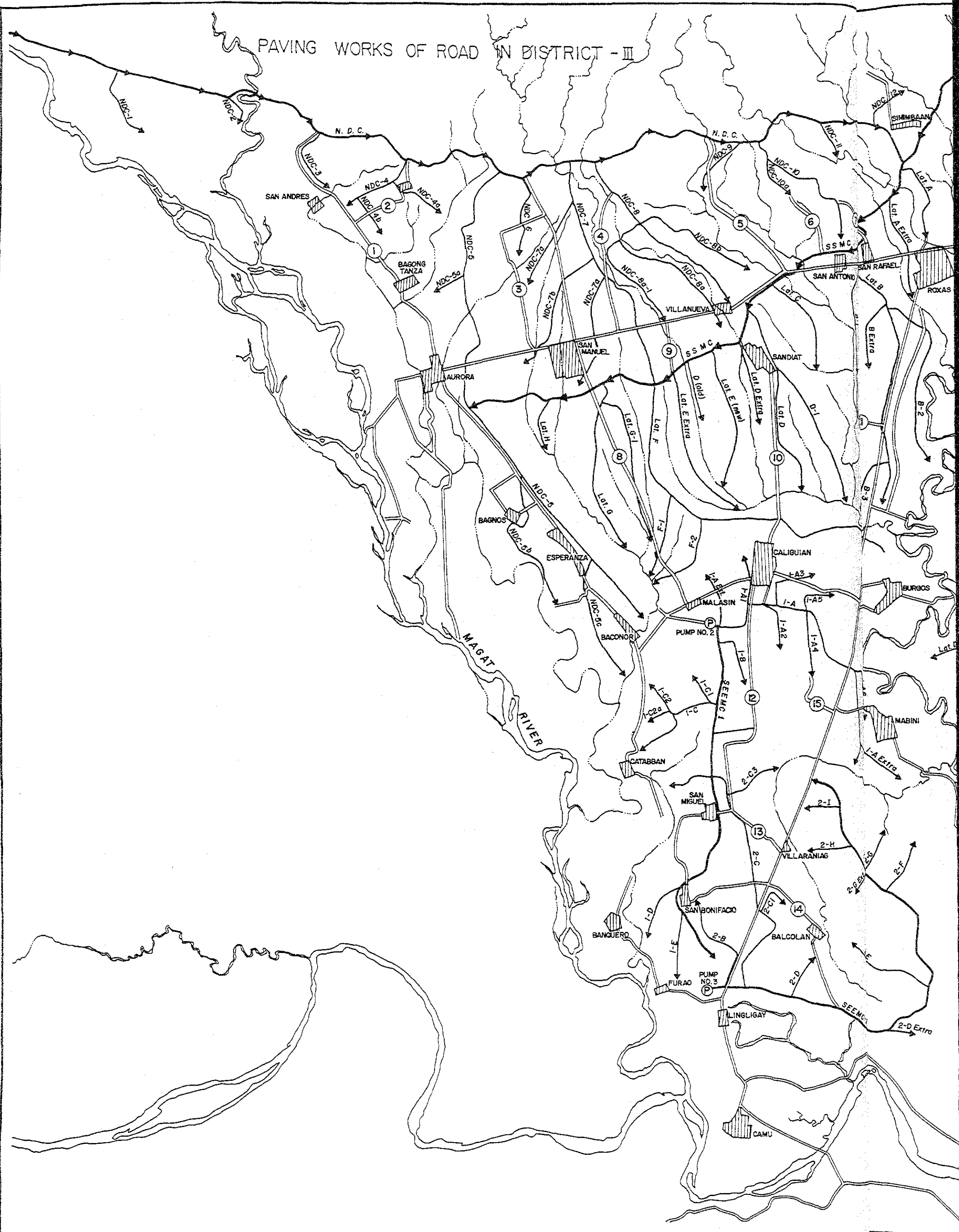
No.	From - To	LENGTH	REMARKS
1.	Upper M.C. - Provincial Road	4.6	
2.	M.C. Sinamer Sur	2.2	
3.	LAT A-1 Sinamer Norte	1.6	
4.	LAT A-3 Protection Dike	2.0	
5.	Sinamer Estrella	5.8	
6.	Provincial Road LAT 3a	2.4	
7.	Estrella Protection Dike	1.4	
8.	Dagupan Estrella	1.9	
9.	Estrella San Roque	4.2	
10.	San Mateo San Ignacio	1.7	
11.	San Ignacio San Roque	1.3	
12.	San Ignacio Daraoangan	2.6	
13.	San Roque San Andres	3.3	
14.	San Antonio Protection Dick	2.9	
15.	Calaoacan Lat 6	2.0	
16.	Provincial Road Protection Dike	2.0	
17.	Culing Cabatuan	3.2	
18.	MC Sinamer Norte	2.2	
19.	Villa Fuerte San Marcos	3.4	
20.	Villa Magat Lat B	3.5	
21.	Dagupan Lat A-2a	1.9	
22.	Provincial Road Lat B-1	4.0	
23.	Villa Cruz Lat B-1	1.5	
24.	Victoria Lat D	3.0	
25.	Highway Salinungan-Caddanan	3.0	
26.	Salinungan -Buyan-San Antonio	3.9	
27.	Diamantina - Buyan-San Andres	2.6	
28.	Calaoacan Namama	1.6	
29.	Cabatuan-Ladeco Check Gate	2.3	
30.	San Pedro Ragnos	2.3	
31.	Highway San Pedro	1.6	
32.	Sto Tomas Ragnos	4.0	
33.	Sto Tomas San Pedro	2.0	
34.	Rizal Salvacion	2.2	
35.	Linglingay Salvacion	5.0	
36.	Alicia Lat B Extra	1.0	
37.	Alicia Linglingay	2.5	
38.	Alicia Calac	2.2	
39.	Highway-San Ferdinand-Lat J	2.0	
40.	Lat I Fugaro	1.0	
41.	Angadanan-Fugaro-Lat I	6.5	
Total		110.2	

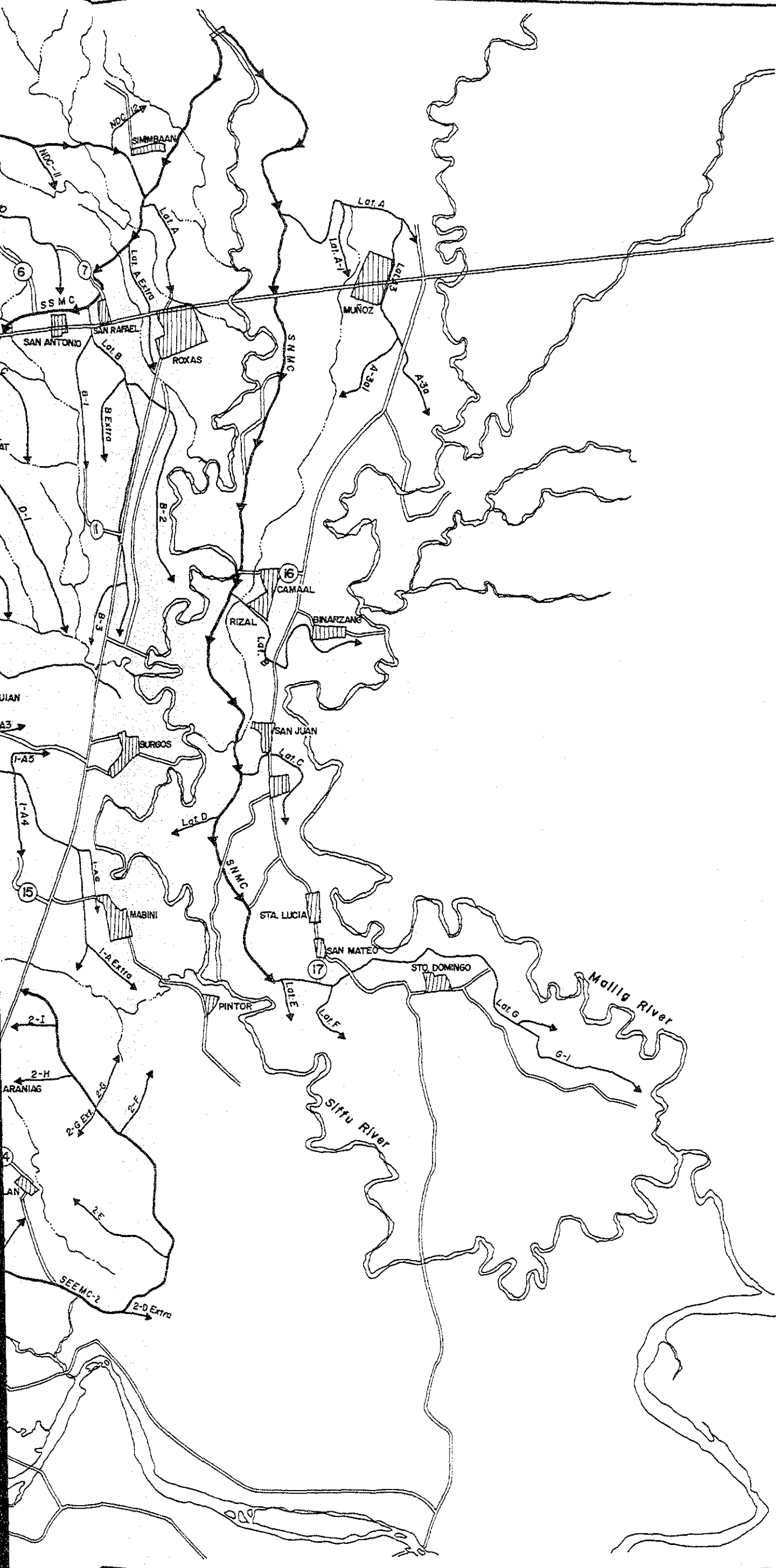
SERVICE ROAD

No.	NAME	LENGTH	No.	NAME	LENGTH
42.	Maris M.C.	30.6	86.	Lat C-2a	4.2
43.	Lat A	26.1	87.	C-2a-1	2.0
44.	A-1	3.5	88.	C-2 Ext.1	1.2
45.	A-2	10.1	89.	C-2 Ext.2	2.0
46.	A-2a	21.7	90.	E	14.5
47.	A-2a-1	2.5	91.	E-1	7.9
48.	A-2a-1	5.7	92.	E-1a	2.9
49.	A-2a-3	1.9	93.	E-2	2.9
50.	A-2a-4	2.3	94.	E-2 Ext.	1.8
51.	A-2a-4 Extra	5.6	95.	E-3	4.0
52.	A-2a-5 Extra	3.5	96.	E-Ext.	3.5
53.	A-2a-6	1.0	97.	F	6.4
54.	A-2a-7	1.0	98.	F-1	0.8
55.	A-2a-8	2.0	99.	F-2	1.0
56.	A-2a-9	1.6	100.	G	2.8
57.	A-2a-9 Extra	1.2	101.	H	3.5
58.	A-2a-11	2.6	102.	H Ext.	5.1
59.	A-2b	0.7	103.	H Ext.1	2.0
60.	A-2d	1.5	104.	H Ext.2	4.0
61.	A-3	10.4	105.	H Ext.2a	1.6
62.	A-3 Extra	0.9	106.	I	6.2
63.	A-3a	3.1	107.	I-1	1.3
64.	A-4	1.6	108.	I Ext.	3.0
65.	A-5	9.5	109.	I Ext.1	0.7
66.	A-5 Extra	1.8	110.	I	8.2
67.	A-6	3.2	111.	I-1	1.3
68.	A-7	1.8	112.	J-2	1.1
69.	B	16.9	113.	J-Ext.	3.0
70.	B-1	1.9	114.	J Ext.1	2.5
71.	D	6.2	115.	Oscarie M.C.	9.6
72.	D-1	5.5	116.	Lat OC-2	3.5
73.	D-1 Extra	2.7	117.	OC-2a	3.7
74.	D-1a	11.6	118.	OC-2a Ext.	2.2
75.	D-1a Extra	2.8	119.	OC-2a Extra	1.0
76.	D-1a-1	4.8	120.	OC-2a Ext.	2.2
77.	D-1a-2	7.0	121.	OC-3	1.7
78.	D-1a-2a	2.6	122.	OC-4	0.9
79.	D-1a-3	1.3	123.	OC-4a	1.0
80.	D-1b	3.5	124.	OC-5	3.0
81.	C Ext.	2.0	125.	Macanas West M.C.	3.0
82.	C	7.5			
83.	C-1	1.4			
84.	C-1 Extra	6.8			
85.	C-2	7.9			
Total		456.0			



PAVING WORKS OF ROAD IN DISTRICT - III





LEGEND

- Dam
- Pump station
- Residential area (Town/barangay)
- Existing main canal with Service road
- Existing lateral with Service road
- Access road
- National and Provincial road
- River creek

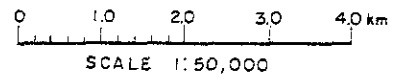
**LIST OF ACCESS AND SERVICE ROAD
DISTRICT III**

ACCESS ROAD

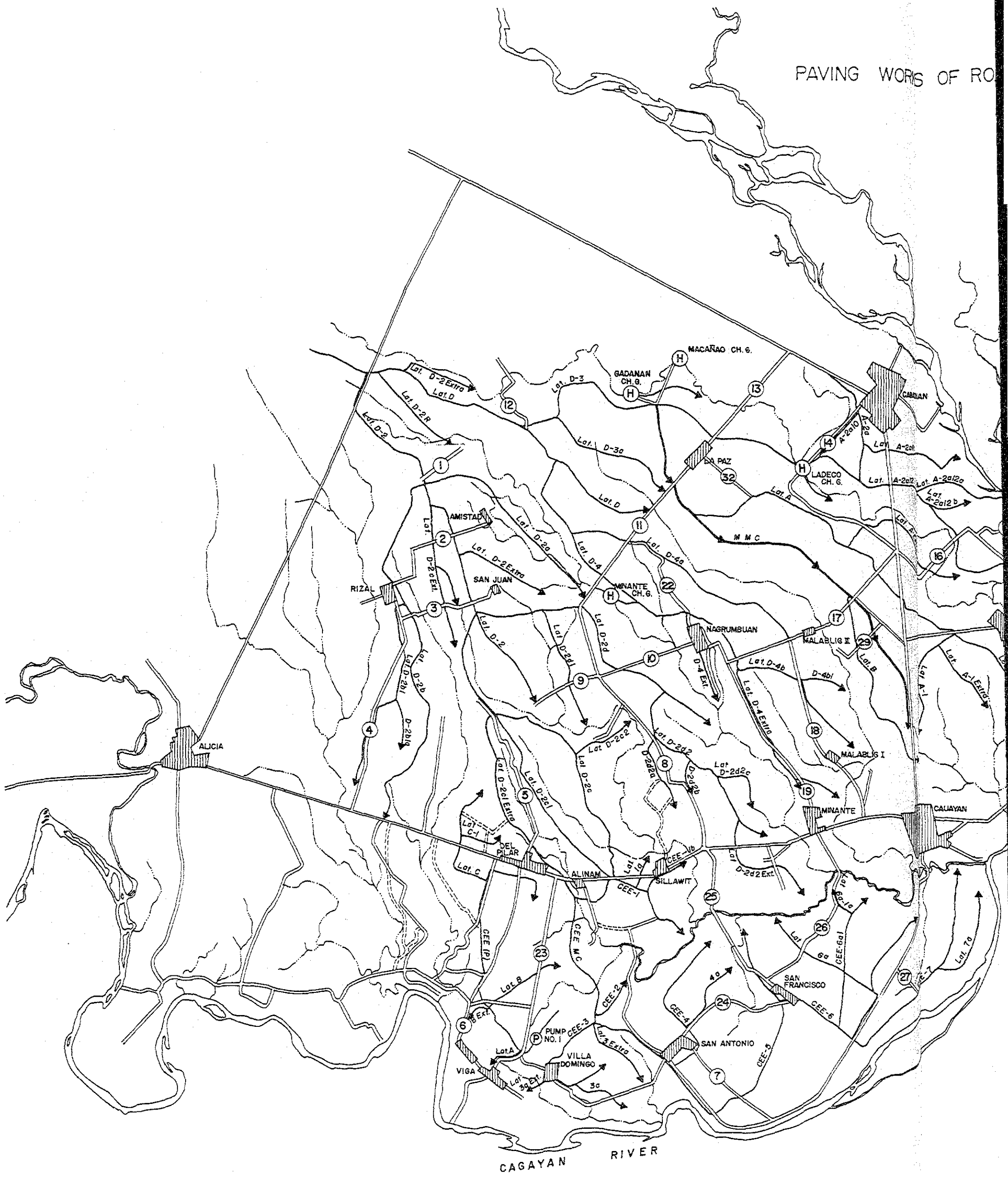
No.	From - To	LENGTH	REMARKS
1.	Aurora - N.D.C.	8.4	
2.	Malalinta - N.D.C.	3.0	
3.	San Manuel - N.D.C.	5.9	
4.	National Highway - Eden-NDC	4.0	
5.	National Highway - Marsusalem-NDC	4.7	
6.	San Antonio-NDC #10a.	1.8	
7.	NDC#10 - San Rafael	2.0	
8.	San Manuel-Malasin	7.8	
9.	Babanuang - SSMC	1.5	
10.	Sandiat-Caliguian	8.0	
11.	San Jose - Lat B-1	2.3	
12.	Caliguian - San Miguel	7.0	
13.	San Miguel - Villa Ranig	2.0	
14.	San Bonifacio-Balcolan - SEEMC#2	6.2	
15.	National Highway-Lat I-A4	0.6	
16.	Camaal-SRMC	1.3	
17.	San Mateo - SRMC Ext.	0.5	
Total		57.0	

SERVICE ROAD

No.	NAME	LENGTH	No.	NAME	LENGTH
18.	N.D.C	36.0	64.	Sifju North M.C.	17.5
19.	Lat NDC #1	5.0	65.	Lat A	5.6
20.	#2	1.6	66.	A-1	0.5
21.	#3	0.8	67.	A-3	2.5
22.	#4	1.8	68.	A-3a	3.1
23.	#4a	2.8	69.	A-3a-1	2.0
24.	#4b	1.2	70.	B	5.0
25.	#5	14.6	71.	Sifju North Ext. M.C.	7.5
26.	#5a	1.7	72.	Lat C	3.0
27.	#5b	4.7	73.	D	1.8
28.	#5c	1.6	74.	E	1.0
29.	#6	3.1	75.	F	1.0
30.	#7	6.8	76.	G	6.2
31.	#7a	4.2	77.	G-1	3.4
32.	#7b	4.2	78.	Sifju East Ext. M.C.#1	10.1
33.	#7c	3.2	79.	Lat SEE #1-A	7.5
34.	#8	5.7	80.	SEE #1-A Extra	2.0
35.	#8a	4.3	81.	SEE #A1	0.9
36.	#8a-1	3.6	82.	SEE #1-A2	1.4
37.	#8b	3.9	83.	SEE #1-A3	2.0
38.	#9	3.3	84.	SEE #1-A4	3.0
39.	#10	3.9	85.	SEE #1-A5	1.2
40.	#10a	1.5	86.	SEE #1-Ab	2.4
41.	#11	2.5	87.	SEE #1-B	1.5
42.	#12	1.0	88.	SEE #1-C	5.8
43.	Sifju South M.C.	27.0	89.	SEE #1-C1	1.1
44.	Lat A	1.9	90.	SEE #1-C Extra	1.9
45.	A-Ext.	2.9	91.	SEE #1-C2	1.1
46.	B	7.5	92.	SEE #1-C2a	2.8
47.	B-1	2.6	93.	SEE #1-D	2.1
48.	B Extra	2.7	94.	SEE #1-E	2.0
49.	B-2	4.4	95.	Sifju East Ext. M.C.#2	13.6
50.	B-3	0.6	96.	Lat SEE #2-B	3.1
51.	C	5.0	97.	SEE #2-C	8.0
52.	D	4.9	98.	SEE #2-C1	1.1
53.	D-1	3.2	99.	SEE #2-C3	1.2
54.	D Extra	3.3	100.	SEE #2-D	1.4
55.	E (New)	2.8	101.	SEE #2-E	2.7
56.	E (old)	-	102.	SEE #2-F	2.0
57.	E Exc.	4.4	103.	SEE #2-G	1.6
58.	F	8.8	104.	SEE #2-G Ext.	0.8
59.	F-1	2.3	105.	SEE #2-H	1.1
60.	F-2	1.9	106.	SEE #2-I	1.2
61.	G	4.1			
62.	G-1	2.6			
63.	H	1.7			
Total					364.3



PAVING WORKS OF RO



PLANNING WORKS OF ROAD IN DISTRICT - IV

LEGEND

- Dam
- Pump station
- Residential area (Town/barangay)
- Existing main canal with Service road
- Existing lateral with Service road
- Access road
- National and Provincial
- River creek

LIST OF ACCESS AND SERVICE ROAD
DISTRICT IV

ACCESS ROAD

No.	From - To	LENGTH	REMARKS
1.	Lat D2 - Lat. D2R	1.4	
2.	Rizal - Amistad	3.4	
3.	Rizal - Amun Jum	2.5	
4.	Rizal - Paddad	5.8	
5.	Del Pilar - San Francisco	4.1	
6.	Viga - Lat. D-2b	4.4	
7.	San Antonio - CEE	3.0	
8.	Highway - Pinoma	5.5	
9.	Pinoma - D-2	2.0	
10.	Pinoma - Nagrumbuan	2.5	
11.	Pinoma - Lapaz	7.0	
12.	Gaddaman - Lat. D	1.9	
13.	Lapaz - Magsaysay	4.0	
14.	Cabatuan - Canan	3.1	
15.	Concepcion - Pulay	1.5	
16.	Havana - Concepcion - Lalog	6.9	
17.	Havana - Nagrumbuan	6.5	
18.	Malablig II - High Way	5.0	
19.	Minante - Lat. D-4 Extension	3.0	
20.	Nagrumbuan - Lat. D-4a	1.0	
21.	Del Pilar - Viga	5.7	
22.	San Antonio - San Francisco	4.0	
23.	San Francisco - Nungungan II	4.7	
24.	Minante - San Francisco	4.0	
25.	Gusabal - Rizal	1.0	
26.	Highway - Mallalutang	1.0	
27.	Tagaran - Santa	3.0	
28.	Highway - Maribang	1.0	
29.	Highway - Bustamante	2.0	
30.	Santa - Macosac	2.0	
31.	Highway - Turod	1.5	
32.	La Paz - Lat. A Mac.	2.0	
Total		106.4	

SERVICE ROAD

No.	NAME	LENGTH	No.	NAME	LENGTH
33.	Lat D	8.1	68.	Iadeco M.C.	2.2
34.	D-2	10.3	69.	A-2a-12	5.8
35.	D-2a	4.2	70.	A-2a-12a	6.9
36.	D-2b	14.5	71.	A-2a-12a-1	1.6
37.	D-2b-1	5.0	72.	A-2a-12b	0.9
38.	D-2b-1a	0.9	73.	Caayan East Ext. M.C.	19.0
39.	D-2b-1a Ext.	0.8	74.	Lat CEE-1	4.0
40.	D-2C Ext.	2.7	75.	CEE-1b	1.1
41.	D-2a Ext.	2.5	76.	CEE-2	1.2
42.	D-2C	7.5	77.	CEE-2	1.2
43.	D-2C-1	4.8	78.	CEE-3	5.2
44.	D-2C-2	1.0	79.	CEE-3a	-
45.	D-2C-1 Ext.	-	80.	CEE-4	3.6
46.	D-2d	6.7	81.	CEE-4a	2.0
47.	D-2d-1	2.5	82.	CEE-5	6.8
48.	D-2d-2	4.4	83.	CEE-5a	1.4
49.	D-2d-2a	1.4	84.	CEE-6	1.2
50.	D-2d-2b	1.3	85.	CEE-6a	3.5
51.	D-2d-2 Ext.	2.6	86.	CEE-6a-1	1.6
52.	D-2R	2.9	87.	CEE-7	5.4
53.	D-2 Ext.	0.7	88.	C.E.E. P.A.MC	7.4
54.	D-3	9.7	89.	Lat A	0.3
55.	D-3a	2.6	90.	B	2.3
56.	D-4	4.7	91.	C	4.0
57.	D-4a	5.5	92.	C-1	1.2
58.	D-4 Ext. 1	1.6	93.	Reina Mercedes M.C.	11.6
59.	D-4 Ext. 2	1.1	94.	Lat RM-1	2.1
60.	D-4b	-	95.	RM-1a	2.2
61.	Macanoso East M.C	12.0	96.	RM-2	1.2
62.	Lat A	13.0	97.	RM-3	1.4
63.	A Extra	1.9	98.	RM-4	0.9
64.	A-1	3.1	99.	RM-5	0.7
65.	A-1a	-			
66.	B	5.1			
67.	C	2.6			
Total				251.0	

