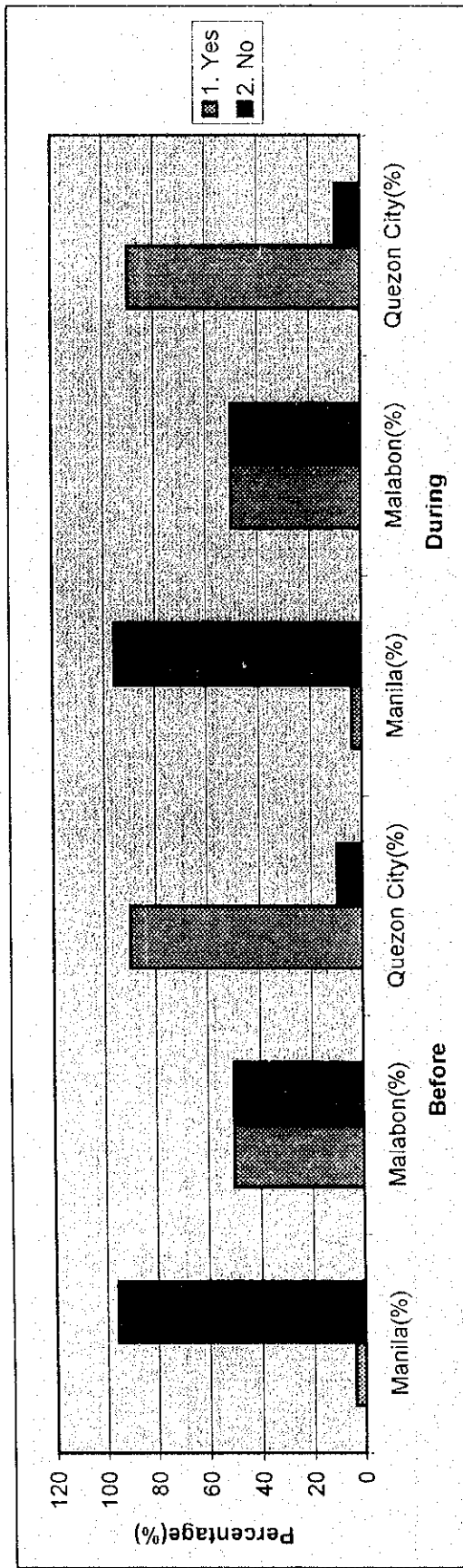


PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

3.1 Do you pay collection fee?

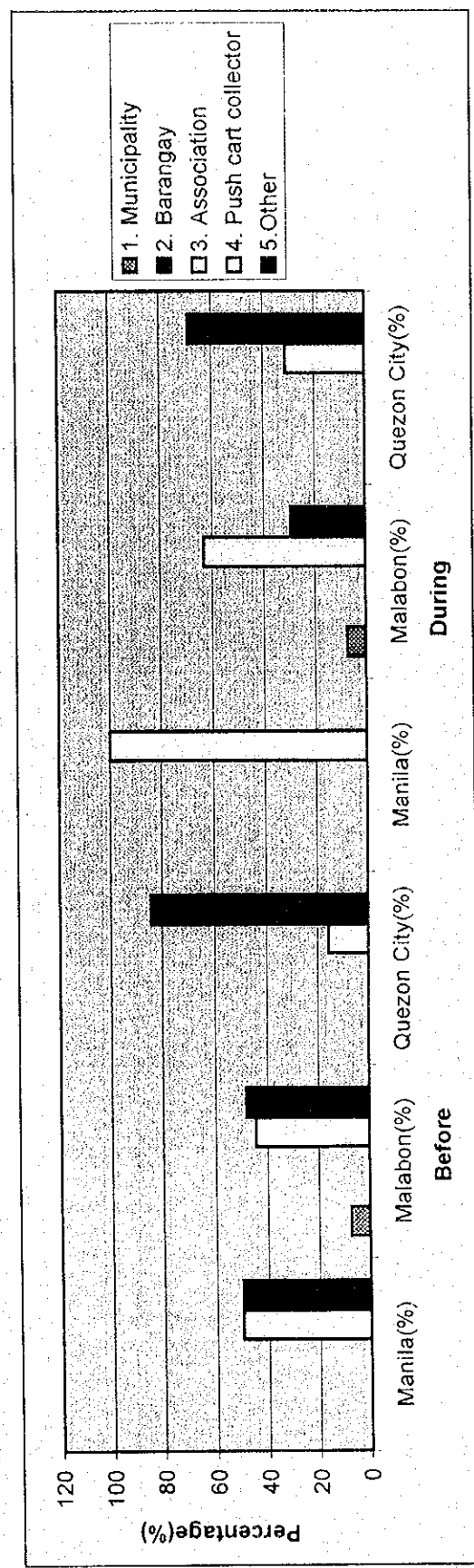
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Yes	4	50	90		4	50	90	
2. No	96	50	10		96	50	10	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

3.3 If yes, to whom do you pay?

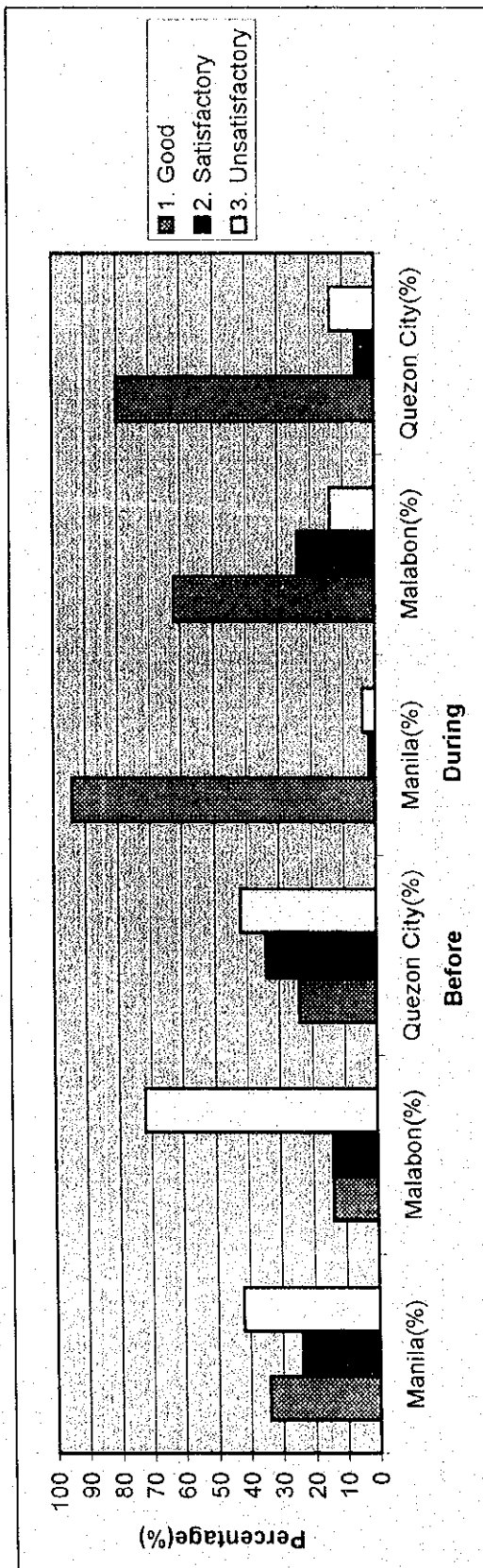
Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)		Manila(%)	Malabon(%)	Quezon City(%)	
1. Municipality	0	7.4	0		0	7.4	0	
2. Barangay	0	0	0		0	0	0	
3. Association	0	0	0		0	0	0	
4. Push cart collector	50	44.45	15.55		100	63.16	31.25	
5. Other	50	48.15	84.45		0	29.44	68.75	
Total	100	100	100		100	100	100	



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

4.1 How do you rate the present waste collection?

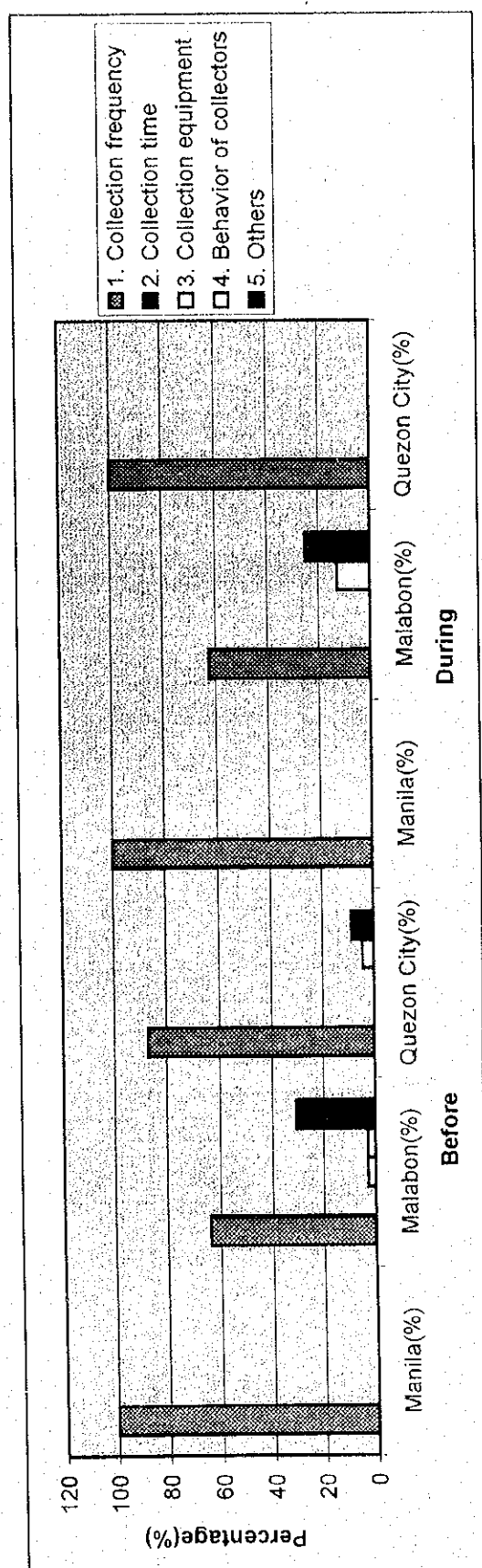
Category	Before the Pilot Project			During the Pilot Project		
	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Malabon(%)	Quezon City(%)
1. Good	34	14	24	94	62	80
2. Satisfactory	24	14	34	2	24	6
3. Unsatisfactory	42	72	42	4	14	14
Total	100	100	100	100	100	100



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

4.2 If unsatisfactory, what needs to be improved?

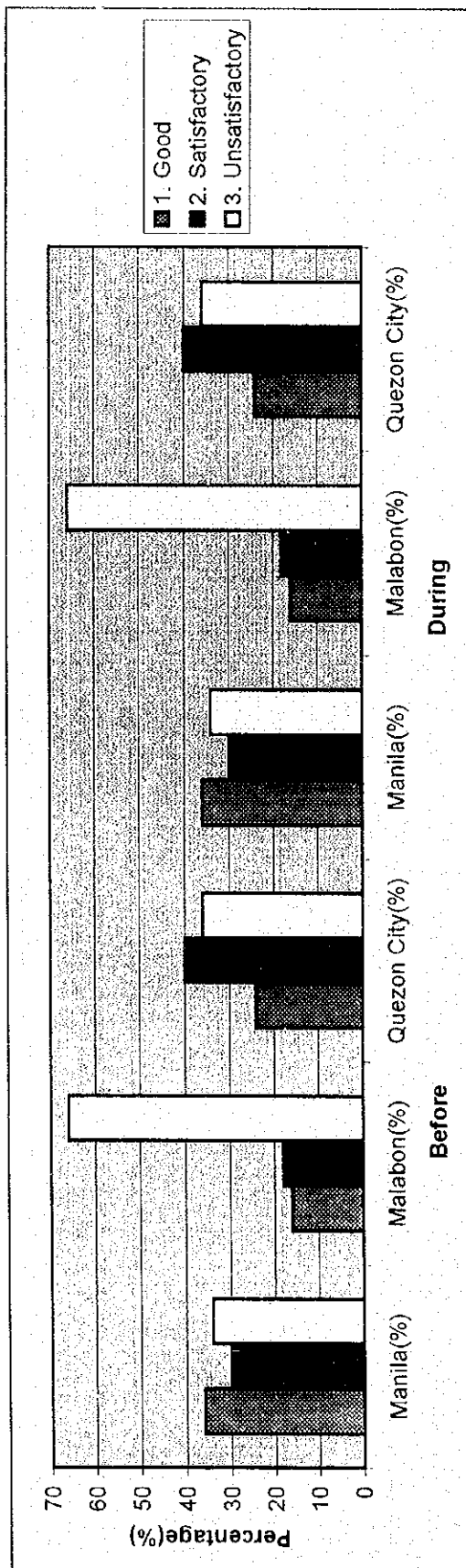
Category	Before the Pilot Project			During the Pilot Project		
	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Malabon(%)	Quezon City(%)
1. Collection frequency	100	63.8	86.96	100	62.5	100
2. Collection time	0	0	0	0	0	0
3. Collection equipment	0	2.8	0	0	0	0
4. Behavior of collector	0	2.8	4.34	0	12.5	0
5. Others	0	30.6	8.7	0	25	0
Total	100	100	100	100	100	100



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

4.3 What can you say about the sanitary condition in your community?

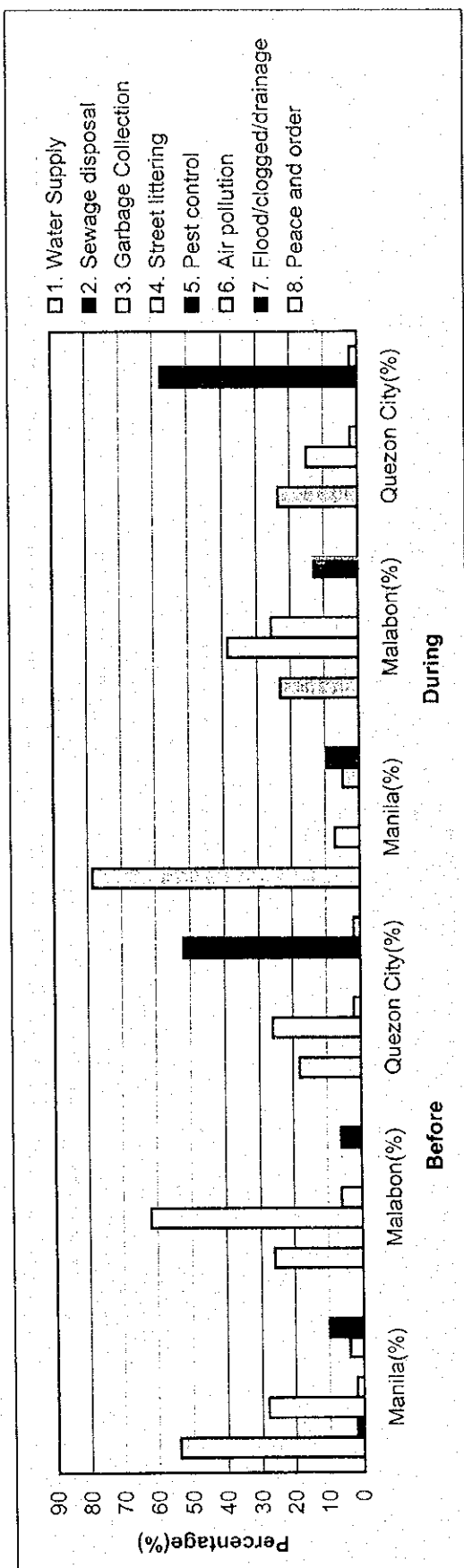
Category	Before the Pilot Project			During the Pilot Project		
	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Malabon(%)	Quezon City(%)
1. Good	36	16	24	36	16	24
2. Satisfactory	30	18	40	30	18	40
3. Unsatisfactory	34	66	36	34	66	36
Total	100	100	100	100	100	100



PUBLIC OPINION SURVEY ON THE IMPROVEMENT FOR COLLECTION SYSTEM(PILOT PROJECT)

4.4 Which of the following do you rate as the most pressing problem in your community?

Category	Before the Pilot Project				During the Pilot Project			
	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Malabon(%)	Quezon City(%)	Manila(%)	Quezon City(%)
1. Water Supply	54	26	18	78.57	23.08	23.34		
2. Sewage disposal	2	0	0	0	0	0		
3. Garbage Collection	28	62	26	7.14	38.46	14.89		
4. Street littering	2	6	2	0	25.64	2.13		
5. Pest control	0	0	0	0	0	0		
6. Air pollution	4	0	0	4.8	0	0		
7. Flood/clogged/drainage	10	6	52	9.49	12.82	57.45		
8. Peace and order	0	0	2	0	0	2.19		
Total	100	100	100	100	100	100		



Date	March 21, 1998
Type Of Waste	Residential
Collection Area	North Bay
City/Municipality or Private Contractor	Tondo, Manila/Leonel
Crew (including Driver)	3
Loading Capacity (cu.m)	10
Vehicle No. (Year of Fabrication)	LN1S
Working Hours	02:10:42
Number of Trips	3
Collected Waste Volume (cu.m)	30

First Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage						
Dispatch Area		04:36:58 AM	0			Issuance of trip ticket
01 Station	04:55:54 AM	04:59:40 AM	7.9	00:03:46	00:18:56	Collecting Garbage
02 Station	04:59:56 AM	05:01:28 AM		00:01:32	00:00:16	Collecting Garbage
03 Station	05:01:54 AM	05:02:43 AM		00:00:49	00:00:26	Collecting Garbage
04 Station	05:02:54 AM	05:06:08 AM		00:03:14	00:00:11	Collecting Garbage
05 Station	05:06:21 AM	05:07:10 AM		00:00:49	00:00:13	Collecting Garbage
06 Station	05:07:31 AM	05:08:51 AM		00:01:20	00:00:21	Collecting Garbage
07 Station	05:09:39 AM	05:09:51 AM		00:00:12	00:00:48	Collecting Garbage
08 Station	05:10:00 AM	05:10:30 AM		00:00:30	00:00:09	Collecting Garbage
09 Station	05:11:26 AM	05:15:29 AM		00:04:03	00:00:56	Collecting Garbage
10 Station	05:17:00 AM	05:17:14 AM		00:00:14	00:01:31	Collecting Garbage
11 Station	05:17:41 AM	05:20:31 AM		00:02:50	00:00:27	Collecting Garbage
12 Station	05:21:32 AM	05:22:35 AM		00:01:03	00:01:01	Collecting Garbage
13 Station	05:22:49 AM	05:23:30 AM		00:00:41	00:00:14	Collecting Garbage
14 Station	05:24:55 AM	05:26:10 AM		00:01:15	00:01:25	Collecting Garbage
15 Station	05:27:27 AM	05:29:04 AM		00:01:37	00:01:17	Collecting Garbage
16 Station	05:29:27 AM	05:30:24 AM		00:00:57	00:00:23	Collecting Garbage
17 Station	05:30:42 AM	05:35:32 AM		00:04:50	00:00:18	Collecting Garbage
18 Station	05:35:50 AM	05:38:14 AM		00:02:24	00:00:18	Collecting Garbage
19 Station	05:38:35 AM	05:39:38 AM		00:01:03	00:00:21	Collecting Garbage
20 Station	05:39:58 AM	05:44:11 AM		00:04:13	00:00:20	Collecting Garbage
21 Station	05:45:01 AM	05:45:21 AM		00:00:20	00:00:50	Collecting Garbage
22 Station	05:45:48 AM	05:46:59 AM		00:01:11	00:00:27	Collecting Garbage
23 Station	05:47:54 AM	05:56:38 AM		00:08:44	00:00:55	Collecting Garbage
24 Station	05:57:43 AM	05:58:06 AM		00:00:23	00:01:05	Collecting Garbage
25 Station	05:58:50 AM	05:59:21 AM		00:00:31	00:00:44	Collecting Garbage
26 Station	06:00:28 AM	06:00:50 AM		00:00:22	00:01:07	Collecting Garbage
27 Station	06:01:10 AM	06:01:33 AM		00:00:23	00:00:20	Collecting Garbage
28 Station	06:02:10 AM	06:07:00 AM		00:04:50	00:00:37	Collecting Garbage
29 Station	06:07:32 AM	06:07:53 AM		00:00:21	00:00:32	Collecting Garbage
30 Station	06:09:30 AM	06:30:00 AM		00:20:30	00:01:37	Collecting Garbage
Transfer Station	06:42:26 AM	06:45:26 AM	16.3	00:03:00	00:12:26	Checking/Dumping permit
Dumping	06:47:11 AM	06:47:40 AM	16.32	00:00:29	00:01:45	Unloading

Date	March 21, 1998
Type Of Waste	Residential
Collection Area	Barangay 150 Zone 13
City/Municipality or Private Contractor	Tondo, Manila/Leonel
Crew(including Driver)	3
Loading Capacity (cu.m)	10
Vehicle No. (Year of Fabrication)	LN1S
Working Hours	01:32:19
Number of Trips	3
Collected Waste Volume (cu.m)	30

Second Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Transfer Station		06:47:40 AM	0			
01 Station	07:01:01 AM	07:10:16 AM	1.8	00:09:15	00:13:21	Collecting Garbage
02 Station	07:10:54 AM	07:11:42 AM		00:00:48	00:00:38	Collecting Garbage
03 Station	07:12:01 AM	07:14:35 AM		00:02:34	00:00:19	Collecting Garbage
04 Station	07:16:00 AM	07:16:55 AM		00:00:55	00:01:25	Collecting Garbage
05 Station	07:16:59 AM	07:18:16 AM		00:01:17	00:00:04	Collecting Garbage
06 Station	07:18:40 AM	07:19:24 AM		00:00:44	00:00:24	Collecting Garbage
07 Station	07:19:31 AM	07:21:11 AM		00:01:40	00:00:07	Collecting Garbage
08 Station	07:22:35 AM	07:23:02 AM		00:00:27	00:01:24	Collecting Garbage
09 Station	07:23:22 AM	07:28:30 AM		00:05:08	00:00:20	Collecting Garbage
10 Station	07:29:02 AM	07:29:36 AM		00:00:34	00:00:32	Collecting Garbage
11 Station	07:30:30 AM	07:30:48 AM		00:00:18	00:00:54	Collecting Garbage
12 Station	07:31:02 AM	07:32:11 AM		00:01:09	00:00:14	Collecting Garbage
13 Station	07:32:22 AM	07:33:07 AM		00:00:45	00:00:11	Collecting Garbage
14 Station	07:33:24 AM	07:33:40 AM		00:00:16	00:00:17	Collecting Garbage
15 Station	07:34:00 AM	07:35:33 AM		00:01:33	00:00:20	Collecting Garbage
16 Station	07:35:41 AM	07:36:12 AM		00:00:31	00:00:08	Collecting Garbage
17 Station	07:38:11 AM	07:40:48 AM		00:02:37	00:01:59	Collecting Garbage
18 Station	07:41:34 AM	07:42:06 AM		00:00:32	00:00:46	Collecting Garbage
19 Station	07:43:16 AM	07:43:31 AM		00:00:15	00:01:10	Collecting Garbage
20 Station	07:43:40 AM	08:03:28 AM		00:19:48	00:00:09	Collecting Garbage
Transfer Station	08:15:12 AM	08:19:53 AM	4.2	00:04:41	00:11:44	Checking/Dumping permit
Dumping	08:19:59 AM	08:21:48 AM	4.22	00:01:49	00:00:06	Unloading

Date	March 21, 1998
Type Of Waste	Residential
Collection Area	Barangay 182 Zone 16
City/Municipality or Private Contractor	Tondo, Manila/Leonel
Crew (including Driver)	3
Loading Capacity (cu.m)	10
Vehicle No. (Year of Fabrication)	LN1S
Working Hours	4:13:13
Number of Trips	3
Collected Waste Volume (cu.m)	30

Third Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Transfer Station		8:21:48 AM	0			
01 Station	8:47:01 AM	9:07:17 AM	6.4	0:20:16	0:25:13	Collecting Garbage
02 Station	9:10:40 AM	9:33:58 AM	6.65	0:23:18	0:03:23	Collecting Garbage
Transfer Station	10:12:46 AM	10:13:54 AM	9.43	0:01:08	0:38:48	Checking/Dumping permit
Dumping	10:15:22 AM	10:18:19 AM	9.45	0:02:57	0:01:28	Unloading
Dispatch Area	12:35:01 PM		15.57		2:16:42	Garage

Date	March 09, 1998
Type Of Waste	Residential
Collection Area	Kalayaan B
City/Municipality or Private Contractor	Quezon City/Trans Star
Crew(including Driver)	4
Loading Capacity (cu.m)	8
Vehicle No. (Year of Fabrication)	UMG 491 Vehicle No. 787
Working Hours	01:45:24
Number of Trips	4
Collected Waste Volume (cu.m)	32

First Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage						
Dispatch Area		06:20:55 AM	0			Issuance of Trip ticket
01 Station	06:22:29 AM	06:24:00 AM	0.05	00:01:31	00:01:34	Collecting Garbage
02 Station	06:24:12 AM	06:26:13 AM		00:02:01	00:00:12	Collecting Garbage
03 Station	06:26:21 AM	06:28:29 AM		00:02:08	00:00:08	Collecting Garbage
04 Station	06:28:37 AM	06:29:38 AM		00:01:01	00:00:08	Collecting Garbage
05 Station	06:29:45 AM	06:31:17 AM		00:01:32	00:00:07	Collecting Garbage
06 Station	06:31:26 AM	06:32:21 AM		00:00:55	00:00:09	Collecting Garbage
07 Station	06:32:26 AM	06:32:51 AM		00:00:25	00:00:05	Collecting Garbage
08 Station	06:32:57 AM	06:34:27 AM		00:01:30	00:00:06	Collecting Garbage
09 Station	06:34:32 AM	06:35:51 AM		00:01:19	00:00:05	Collecting Garbage
10 Station	06:35:57 AM	06:36:19 AM		00:00:22	00:00:06	Collecting Garbage
11 Station	06:36:24 AM	06:37:32 AM		00:01:08	00:00:05	Collecting Garbage
12 Station	06:37:39 AM	06:38:10 AM		00:00:31	00:00:07	Collecting Garbage
13 Station	06:38:19 AM	06:39:24 AM		00:01:05	00:00:09	Collecting Garbage
14 Station	06:39:30 AM	06:40:49 AM		00:01:19	00:00:06	Collecting Garbage
15 Station	06:40:58 AM	06:42:03 AM		00:01:05	00:00:09	Collecting Garbage
16 Station	06:42:20 AM	06:43:36 AM		00:01:16	00:00:17	Collecting Garbage
17 Station	06:43:42 AM	06:44:08 AM		00:00:26	00:00:06	Collecting Garbage
18 Station	06:44:14 AM	06:50:53 AM	0.21	00:06:39	00:00:06	Collecting Garbage/Full load
Dispatch Area	06:55:20 AM	07:00:00 AM	0.65	00:04:40	00:04:27	Check volume
Controller	07:08:24 AM	07:08:35 AM	2.6	00:00:11	00:08:24	Issuance of dumping permit
Task Force/SMILE	07:17:20 AM	07:18:10 AM	4.78	00:00:50	00:08:45	Approval of loading capacity
Link Shop	07:20:52 AM	07:22:52 AM	5.1	00:02:00	00:02:42	Selling of recyclable items
Dumping Site	07:23:59 AM	07:27:13 AM	5.25	00:03:14	00:01:07	Unloading of garbage
Canteen	07:32:38 AM	07:51:25 AM	6.78	00:18:47	00:05:25	Breakfast/Rest
Dispatch Area	08:06:19 AM		11.7			Issuance of trip ticket

Date	March 09, 1998
Type Of Waste	Residential
Collection Area	Kalayaan B
City/Municipality or Private Contractor	Quezon City/Trans Star
Crew(Including Driver)	4
Loading Capacity (cu.m)	8
Vehicle No. (Year of Fabrication)	UMG 491 Vehicle No. 787
Working Hours	01:32:26
Number of Trips	4
Collected Waste Volume (cu.m)	32

Second Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage						
Dispatch Area		08:13:37 AM	0			
01 Station	08:13:45 AM	08:14:10 AM		00:00:25	00:00:08	Collecting Garbage
02 Station	08:14:23 AM	08:17:15 AM		00:02:52	00:00:13	Collecting Garbage
03 Station	08:17:30 AM	08:33:07 AM		00:15:37	00:00:15	Collecting Garbage
04 Station	08:33:12 AM	08:33:51 AM		00:00:39	00:00:05	Collecting Garbage
05 Station	08:33:59 AM	08:34:51 AM		00:00:52	00:00:08	Collecting Garbage
06 Station	08:35:46 AM	08:39:34 AM		00:03:48	00:00:55	Collecting Garbage
07 Station	08:40:01 AM	08:45:49 AM		00:05:48	00:00:27	Collecting Garbage
08 Station	08:46:04 AM	08:49:59 AM	0.48	00:03:55	00:00:15	Collecting Garbage/Full load
Dispatch Area	08:54:59 AM	09:00:24 AM	1.05	00:05:25	00:05:00	Issuance of trip ticket
Controller	09:11:05 AM	09:11:43 AM	3.2	00:00:38	00:10:41	Issuance of dumping permit
Task Force/SMILE	09:17:15 AM	09:17:20 AM	5.15	00:00:05	00:05:32	Approval of loading capacity
Junk Shop	09:19:50 AM	09:20:56 AM	5.39	00:01:06	00:02:30	Selling of recyclable items
Dumping Site	09:22:23 AM	09:23:13 AM	5.54	00:00:50	00:01:27	Unloading of garbage
Vulcanizing Shop	09:27:23 AM	09:29:38 AM	5.84	00:02:15	00:04:10	Air pressure test
Dispatch Area	09:46:03 AM		11.18			Issuance of trip ticket

Date	March 09, 1998
Type Of Waste	Residential
Collection Area	Kalayaan B
City/Municipality or Private Contractor	Quezon City/Trans Star
Crew(Including Driver)	4
Loading Capacity (cu.m)	8
Vehicle No. (Year of Fabrication)	UMG 491 Vehicle No. 787
Working Hours	01:29:45
Number of Trips	4
Collected Waste Volume (cu.m)	32

Third Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage						
Dispatch Area		09:51:37 AM	0			
01 Station	09:54:53 AM	09:56:06 AM	0.45	00:01:13	00:03:16	Collecting Garbage
02 Station	09:56:26 AM	09:56:43 AM		00:00:17	00:00:20	Collecting Garbage
03 Station	09:56:56 AM	09:57:27 AM		00:00:31	00:00:13	Collecting Garbage
04 Station	09:57:52 AM	10:05:15 AM		00:07:23	00:00:25	Collecting Garbage
05 Station	10:06:05 AM	10:11:11 AM		00:05:06	00:00:50	Collecting Garbage
06 Station	10:11:49 AM	10:21:17 AM		00:09:28	00:00:38	Collecting Garbage/Full load
Dispatch Area	10:26:07 AM	10:34:44 AM	1.24	00:08:37	00:04:50	Issuance of call card
Controller	10:43:28 AM	10:43:40 AM	3.4	00:00:12	00:08:44	Issuance of dumping permit
Task Force/SMILE	10:48:40 AM	10:49:10 AM	5.29	00:00:30	00:05:00	Approval of loading capacity
Junk Shop	10:51:26 AM	10:52:40 AM	5.55	00:01:14	00:02:16	Selling of recyclable items
Dumping Site	10:53:48 AM	10:55:19 AM	5.7	00:01:31	00:01:08	Unloading of garbage
Dispatch Area	11:21:22 AM		11.4			Issuance of trip ticket/Lunch time

Date	March 09, 1998
Type Of Waste	Residential
Collection Area	Kalayaan B
City/Municipality or Private Contractor	Quezon City/Trans Star
Crew(including Driver)	4
Loading Capacity (cu.m)	8
Vehicle No. (Year of Fabrication)	UMG 491 Vehicle No. 787
Working Hours	01:21:54
Number of Trips	4
Collected Waste Volume (cu.m)	32

Fourth Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage						
Dispatch Area		12:00:05 PM	0			
01 Station	12:19:05 PM	12:19:56 PM	0.51	00:00:51	00:19:00	Collecting Garbage
02 Station	12:22:04 PM	12:22:09 PM		00:00:05	00:02:08	Collecting Garbage
03 Station	12:22:40 PM	12:23:00 PM		00:00:20	00:00:31	Collecting Garbage
04 Station	12:23:27 PM	12:25:23 PM		00:01:56	00:00:27	Collecting Garbage
05 Station	12:27:22 PM	12:27:30 PM		00:00:08	00:01:59	Collecting Garbage
06 Station	12:28:05 PM	12:28:19 PM		00:00:14	00:00:35	Collecting Garbage
07 Station	12:29:00 PM	12:29:09 PM		00:00:09	00:00:41	Collecting Garbage
08 Station	12:29:32 PM	12:29:52 PM		00:00:20	00:00:23	Collecting Garbage
09 Station	12:30:10 PM	12:30:39 PM		00:00:29	00:00:18	Collecting Garbage
10 Station	12:31:12 PM	12:31:21 PM		00:00:09	00:00:33	Collecting Garbage
11 Station	12:34:57 PM	12:35:15 PM		00:00:18	00:03:36	Collecting Garbage
12 Station	12:36:46 PM	12:37:24 PM		00:00:38	00:01:31	Collecting Garbage
13 Station	12:37:50 PM	12:39:16 PM		00:01:26	00:00:26	Collecting Garbage
14 Station	12:40:11 PM	12:41:07 PM		00:00:56	00:00:55	Collecting Garbage
15 Station	12:42:10 PM	12:42:43 PM		00:00:33	00:01:03	Collecting Garbage
16 Station	12:43:16 PM	12:43:30 PM		00:00:14	00:00:33	Collecting Garbage
17 Station	12:45:16 PM	12:45:29 PM		00:00:13	00:01:46	Collecting Garbage
18 Station	12:45:51 PM	12:46:36 PM		00:00:45	00:00:22	Collecting Garbage/Full load
Dispatch Area	12:54:31 PM	01:01:21 PM	1.75	00:06:50	00:07:55	Issuance of call card
Controller	01:09:09 PM	01:09:56 PM	3.9	00:00:47	00:07:48	Issuance of dumping permit
Task Force/SMILE	01:16:04 PM	01:16:12 PM	5.82	00:00:08	00:06:08	Approval of loading capacity
Junk Shop	01:18:25 PM	01:19:38 PM	6.08	00:01:13	00:02:13	Selling of recyclable items
Dumping Site	01:21:12 PM	01:21:59 PM	6.23	00:00:47	00:01:34	Unloading of garbage
						End collection/Cleaning Time

Date	March 25, 1998
Type Of Waste	Residential
Collection Area	Kalayaan A
City/Municipality or Private Contractor	Quezon City/Trans Star
Crew(including Driver)	5
Loading Capacity (cu.m)	8
Vehicle No. (Year of Fabrication)	UPE 658 No.777
Working Hours	01:39:54
Number of Trips	3
Collected Waste Volume (cu.m)	24

First Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage						
Dispatch Area		06:29:01 AM	0			Issuance of trip ticket
01 Station	06:29:28 AM	06:36:50 AM		00:07:22	00:00:27	Collecting Garbage
02 Station	06:37:00 AM	06:37:40 AM		00:00:40	00:00:10	Collecting Garbage
03 Station	06:37:48 AM	06:39:52 AM		00:02:04	00:00:08	Collecting Garbage
04 Station	06:40:11 AM	06:41:43 AM		00:01:32	00:00:19	Collecting Garbage
05 Station	06:41:45 AM	06:42:43 AM		00:00:58	00:00:02	Collecting Garbage
06 Station	06:43:11 AM	06:43:23 AM		00:00:12	00:00:28	Collecting Garbage
07 Station	06:44:00 AM	06:44:12 AM		00:00:12	00:00:37	Collecting Garbage
08 Station	06:45:26 AM	06:45:39 AM		00:00:13	00:01:14	Collecting Garbage
09 Station	06:46:33 AM	06:46:40 AM		00:00:07	00:00:54	Collecting Garbage
10 Station	06:46:44 AM	06:49:00 AM		00:02:16	00:00:04	Collecting Garbage
11 Station	06:49:23 AM	06:55:37 AM		00:06:14	00:00:23	Collecting Garbage
Carinderia	07:02:32 AM	07:19:01 AM		00:16:29	00:06:55	Breakfast
Dispatch Area	07:23:51 AM	07:26:10 AM	4.33	00:02:19	00:04:50	Check volume
Controller	07:33:01 AM	07:33:10 AM	6.28	00:00:09	00:06:51	Issuance of dumping permit
Task Force/SMILE	07:40:48 AM	07:40:52 AM	6.59	00:00:04	00:07:38	Approval of loading capacity
Dumping Site	07:42:40 AM	07:42:50 AM	6.84	00:00:10	00:01:48	Dumping slip
Junk Shop	07:43:26 AM	07:44:40 AM	6.91	00:01:14	00:02:34	Selling of recyclable items
Dumping	07:46:35 AM	07:47:11 AM	7.21	00:00:36	00:01:55	Unloading of garbage
Dispatch Area	08:08:55 AM		12.78			Issuance of trip ticket

Date
 Type Of Waste
 Collection Area
 City/Municipality or Private Contractor
 Crew(Including Driver)
 Loading Capacity (cu.m)
 Vehicle No. (Year of Fabrication)
 Working Hours
 Number of Trips
 Collected Waste Volume (cu.m)

March 25, 1998
 Residential
 Kalayaan B and Kalayan C Ext.
 Quezon City/Trans Star
 5
 8
 UPE 658 No.777
 01:44:03
 3
 24

Second Trip

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage						
Dispatch Area		08:11:24 AM	0			Issuance of trip ticket
01 Station	08:17:40 AM	08:22:07 AM		00:04:27	00:06:16	Collecting Garbage
02 Station	08:24:10 AM	08:24:40 AM		00:00:30	00:02:03	Collecting Garbage
03 Station	08:26:06 AM	08:27:02 AM		00:00:56	00:01:26	Collecting Garbage
04 Station	08:28:11 AM	08:29:28 AM		00:01:17	00:01:09	Collecting Garbage
05 Station	08:30:30 AM	08:31:53 AM		00:01:23	00:01:02	Collecting Garbage
06 Station	08:32:11 AM	08:33:11 AM		00:01:00	00:00:18	Collecting Garbage
07 Station	08:34:17 AM	08:35:15 AM		00:00:58	00:01:06	Collecting Garbage
08 Station	08:37:28 AM	08:46:28 AM		00:09:00	00:02:13	Collecting Garbage
09 Station	08:48:32 AM	08:49:09 AM		00:00:37	00:02:04	Collecting Garbage
10 Station	08:49:38 AM	08:50:19 AM		00:00:41	00:00:29	Collecting Garbage
11 Station	08:50:39 AM	08:52:33 AM		00:01:54	00:00:20	Collecting Garbage
12 Station	08:53:18 AM	08:53:49 AM		00:00:31	00:00:45	Collecting Garbage
13 Station	08:54:20 AM	09:01:18 AM		00:06:58	00:00:31	Collecting Garbage
Dispatch Area	09:06:28 AM	09:09:51 AM	1.22	00:03:23	00:05:10	Check volume
Controller	09:17:40 AM	09:17:54 AM	3.42	00:00:14	00:07:49	Issuance of dumping permit
Task Force/SMILE	09:25:32 AM	09:25:48 AM	3.73	00:00:16	00:07:38	Approval of loading capacity
Dumping Site	09:26:23 AM	09:26:28 AM	4.04	00:00:05	00:00:35	Dumping slip
Junk Shop	09:27:38 AM	09:28:34 AM	4.12	00:00:56	00:01:50	Selling of recyclable items
Dumping	09:31:08 AM	09:31:41 AM	4.32	00:00:33	00:02:34	Unloading of garbage
Dispatch Area	09:55:27 AM		25.1		00:23:46	Issuance of trip ticket

March 25, 1998
Residential
Collection Bay (IBP ROAD) & Bgy. Batasan Hill
Quezon City/Trans Star
5
8
UPE 658 No. 777
02:03:10
3
24

[illegible]

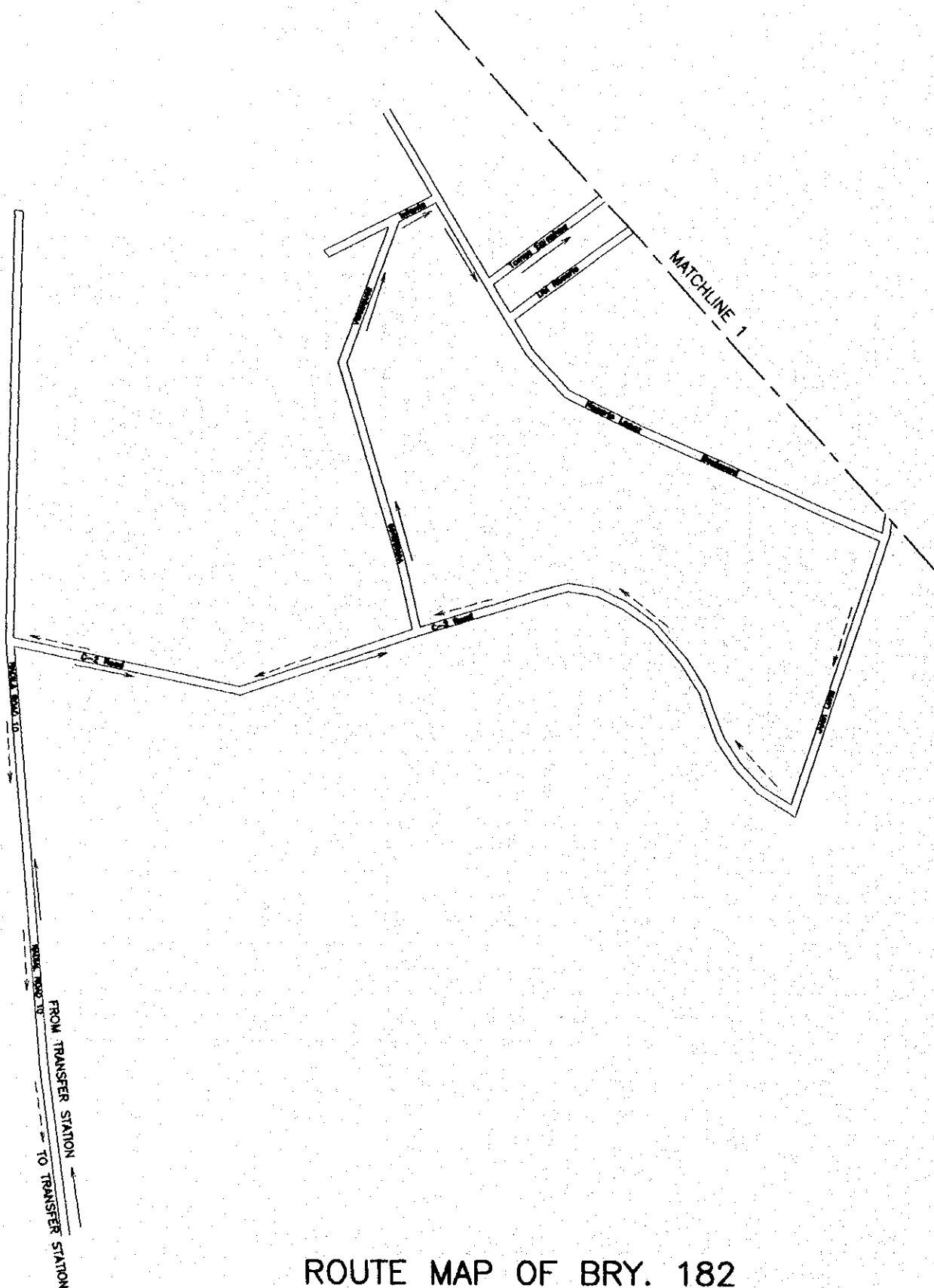
Date	March 12, 1998
Type Of Waste	Residential
Collection Area	Bayan, Bayanan
City/Municipality or Private Contractor	Malabon, Metro Manila
Crew (including Driver)	4
Loading Capacity (cu.m)	8
Vehicle No. (Year of Fabrication)	V-20 SEU 281
Working Hours	4:33:23
Number of Trips	3
Collected Waste Volume (cu.m)	24
Number of collection pt.	4

	TIME		Odometer (Km)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
First Trip						
Dispatch Area		12:17:40 AM	0.00			Issuance of trip ticket
01 Station	12:28:30 AM	1:05:45 AM	2.79	0:37:15	0:10:50	Collecting garbage
Dispatch Area	1:15:55 AM	1:16:01 AM	5.63	0:00:06	0:10:10	Check volume /Dumping permit
Dumping Area	1:17:10 AM	1:28:15 AM	5.83	0:11:05	0:01:09	Waiting to unload
Dumping Point	1:28:38 AM	1:30:35 AM	5.89	0:01:57	0:00:23	Unloading of garbage
Dispatch Area	1:35:00 AM		6.15		0:04:25	Issuance of trip ticket
Second Trip						
Dispatch Area		1:35:30 AM	0.00			Issuance of trip ticket
01 Station	1:42:50 AM	2:07:28 AM	2.70	0:24:38	0:07:20	Collecting garbage
02 Station	2:07:42 AM	2:08:10 AM	2.90	0:00:28	0:00:14	Collecting garbage
03 Station	2:09:00 AM	2:30:20 AM	3.05	0:21:20	0:00:50	Collecting garbage
04 Station	2:34:10 AM	2:44:45 AM	3.40	0:10:35	0:03:50	Collecting garbage
Dispatch Area	2:52:02 AM	2:52:15 AM	6.80	0:00:13	0:07:17	Check volume /Dumping permit
Dumping Area	2:52:48 AM	3:00:54 AM	7.00	0:08:06	0:00:33	Waiting to unload
Dumping Point	3:01:03 AM	3:01:21 AM	7.02	0:00:18	0:00:09	Unloading of garbage
Dispatch Area	3:05:01 AM		7.28		0:03:40	Issuance of trip ticket
Third trip						
Dispatch Area		3:06:10 AM	0.00			Issuance of trip ticket
01 Station	3:13:13 AM	4:29:30 AM	3.37	1:16:17	0:07:03	Collecting garbage
Dispatch Area	4:43:14 AM	4:44:05 AM	6.80	0:00:51	0:13:44	Check volume /Dumping permit
Dumping Area	4:45:00 AM	4:47:11 AM	7.01	0:02:11	0:00:55	Waiting to unload
Dumping Point	4:47:20 AM	4:49:13 AM	7.05	0:01:53	0:00:09	Unloading of garbage
Dispatch Area	4:51:03 AM		7.30		0:01:50	Garage

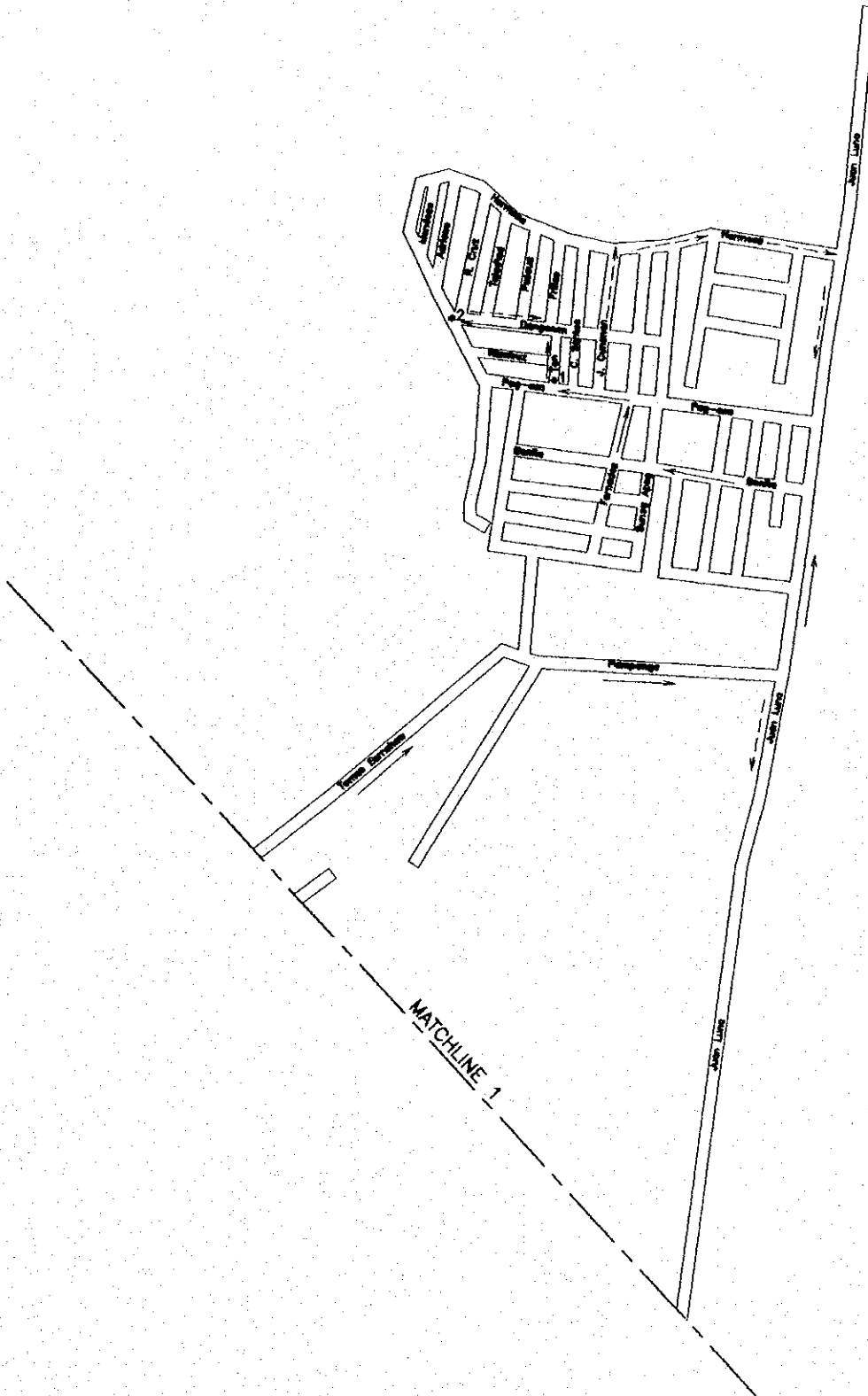
Number of collection pt.

4

[illegible]



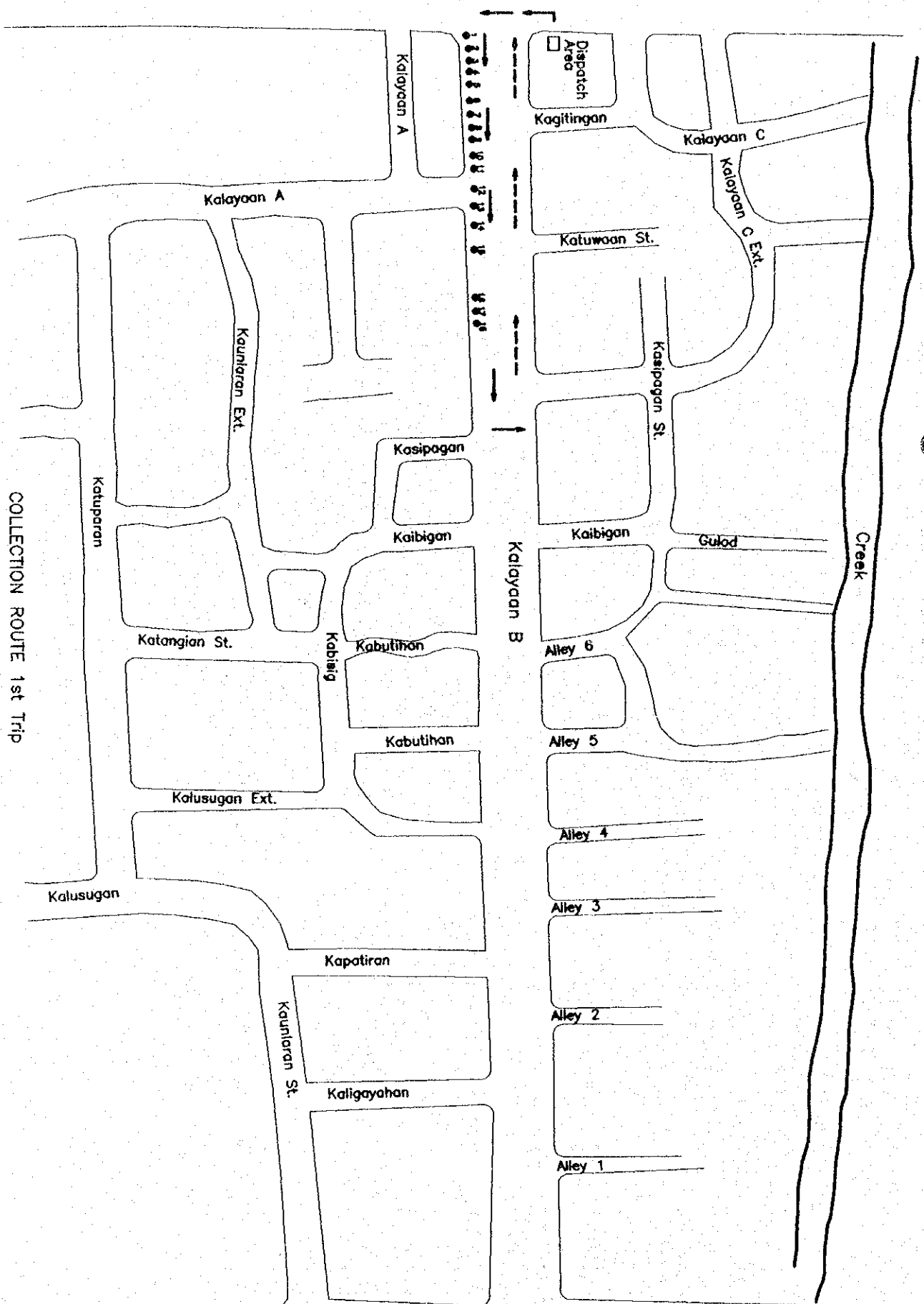
ROUTE MAP OF BRY. 182
ZONE 16 TONDO, MANILA



ROUTE MAP OF BRY. 182
ZONE 16 TONDO, MANILA

COMMONWEALTH AVENUE

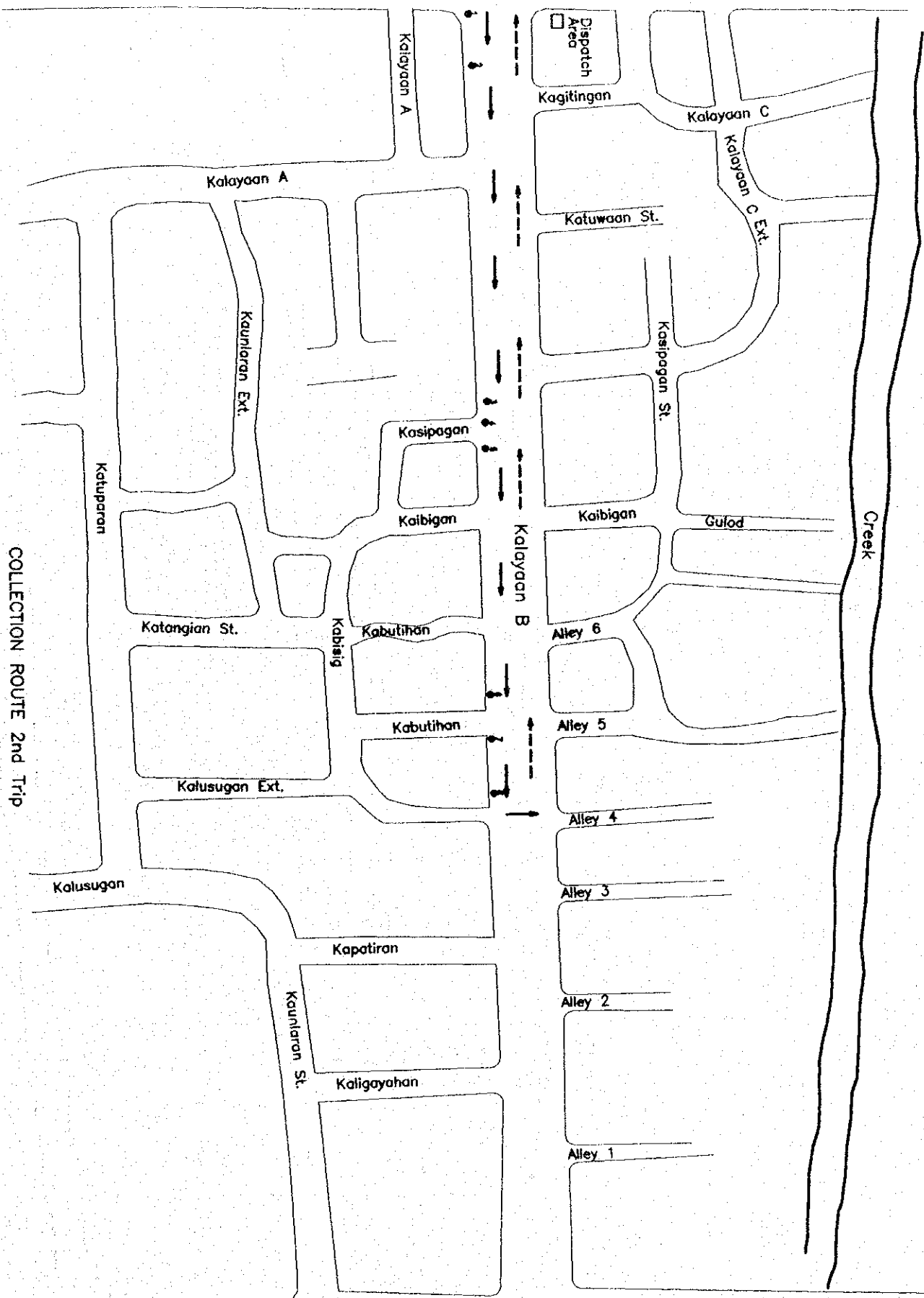
TO DUMPSITE



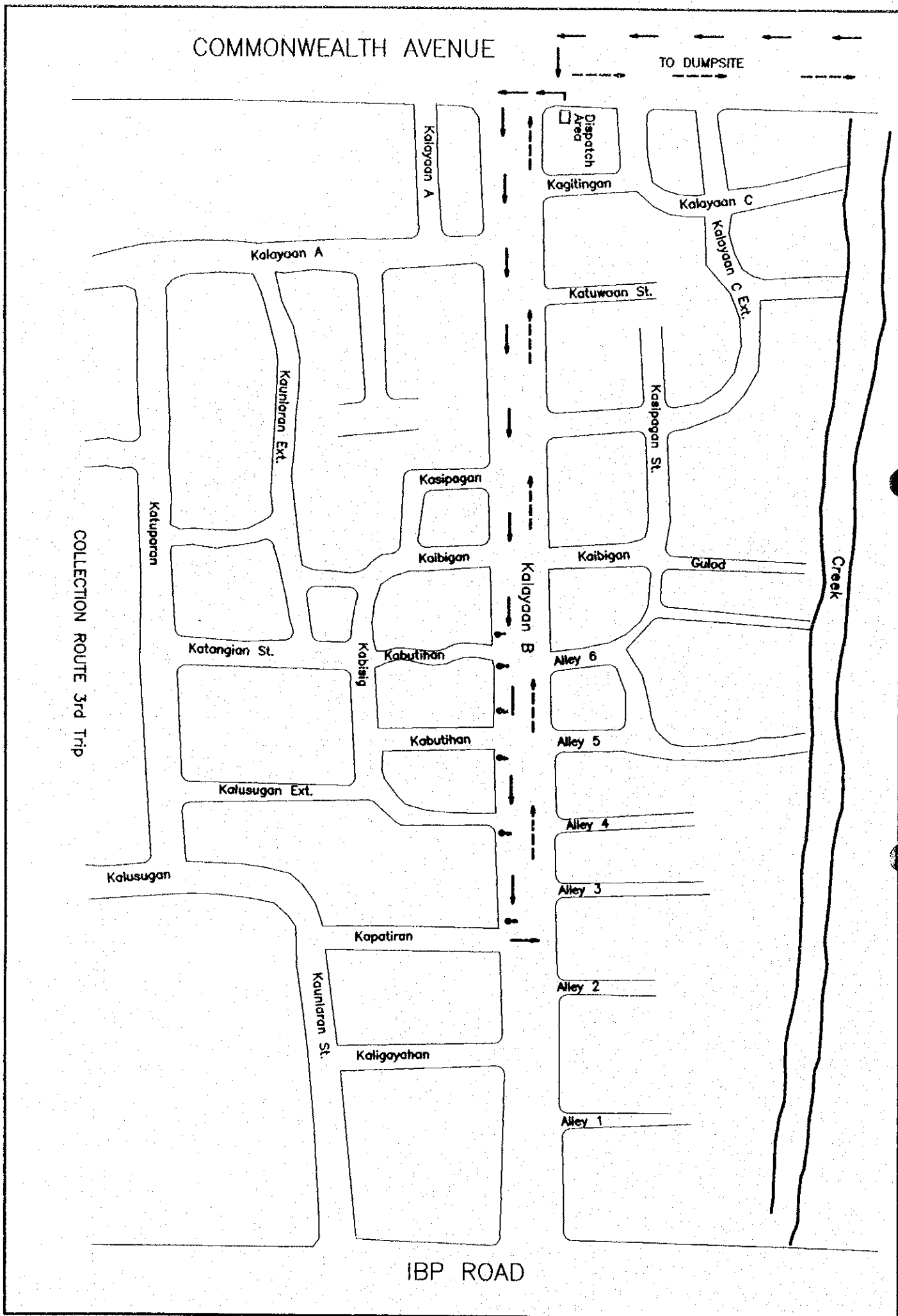
IBP ROAD

COMMONWEALTH AVENUE

TO DUMPSITE



IBP ROAD



COMMONWEALTH AVENUE

TO DUMP SITE

COLLECTION ROUTE 4th Trip

Creek

IBP ROAD

Kalayaan A

Kalayaan A

Kounlaran Ext.

Katuparan

Katangian St.

Kalusugan Ext.

Kalusugan

Kapatiran

Kounlaran St.

Kaligayahan

Kagitingan

Kalayaan C

Kalayaan C Ext.

Kaluwaan St.

Kasipogan St.

Kasipogan

Kaibigan

Kaibigan

Gulod

Alley 6

Alley 5

Alley 4

Alley 3

Alley 2

Alley 1

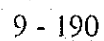
Kalayaan B

Kabutihan

Kabutihan

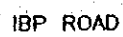
Kaligayahan

COMMONWEALTH AVENUE



COMMONWEALTH AVENUE

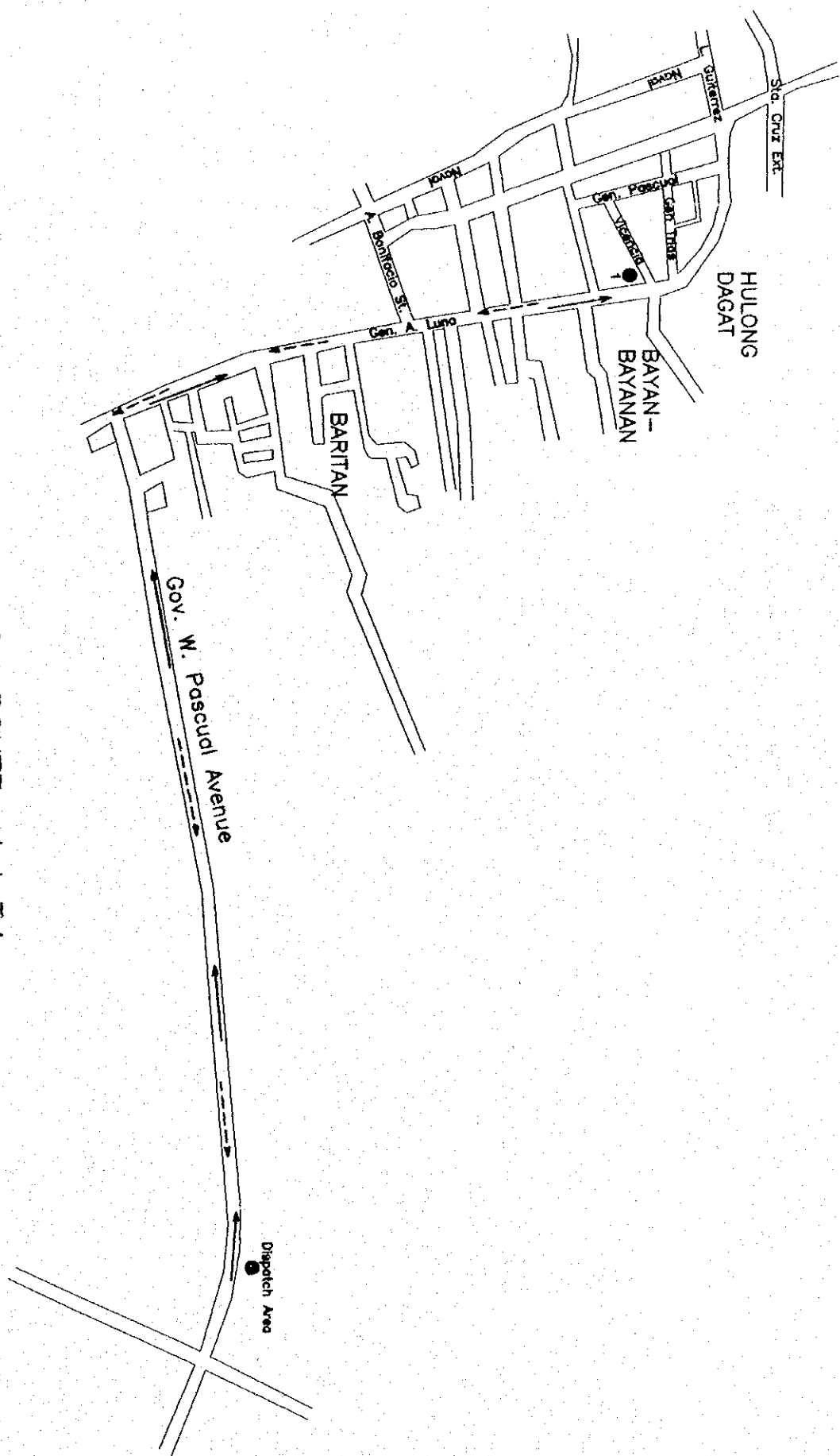
Garage



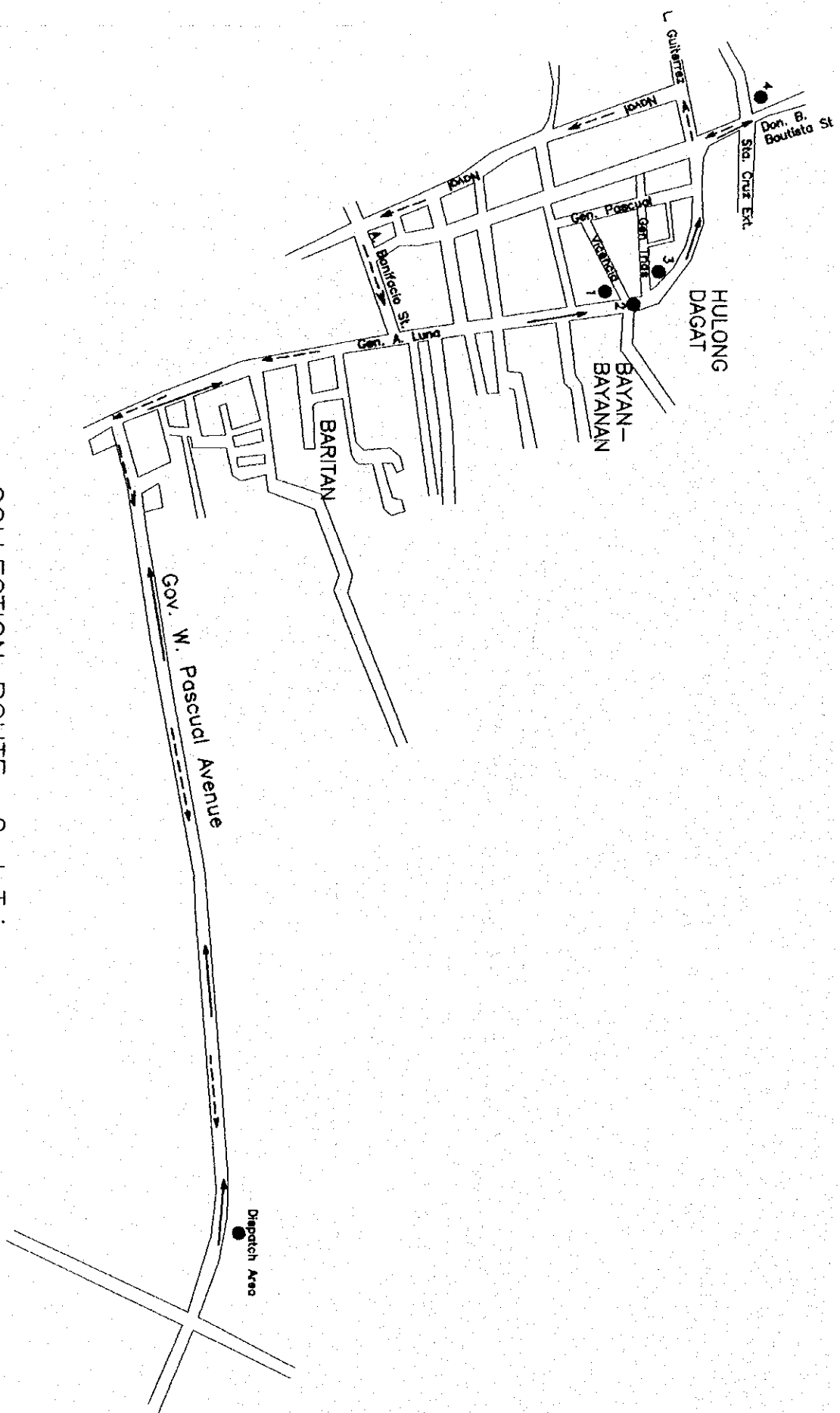
COMMONWEALTH AVENUE

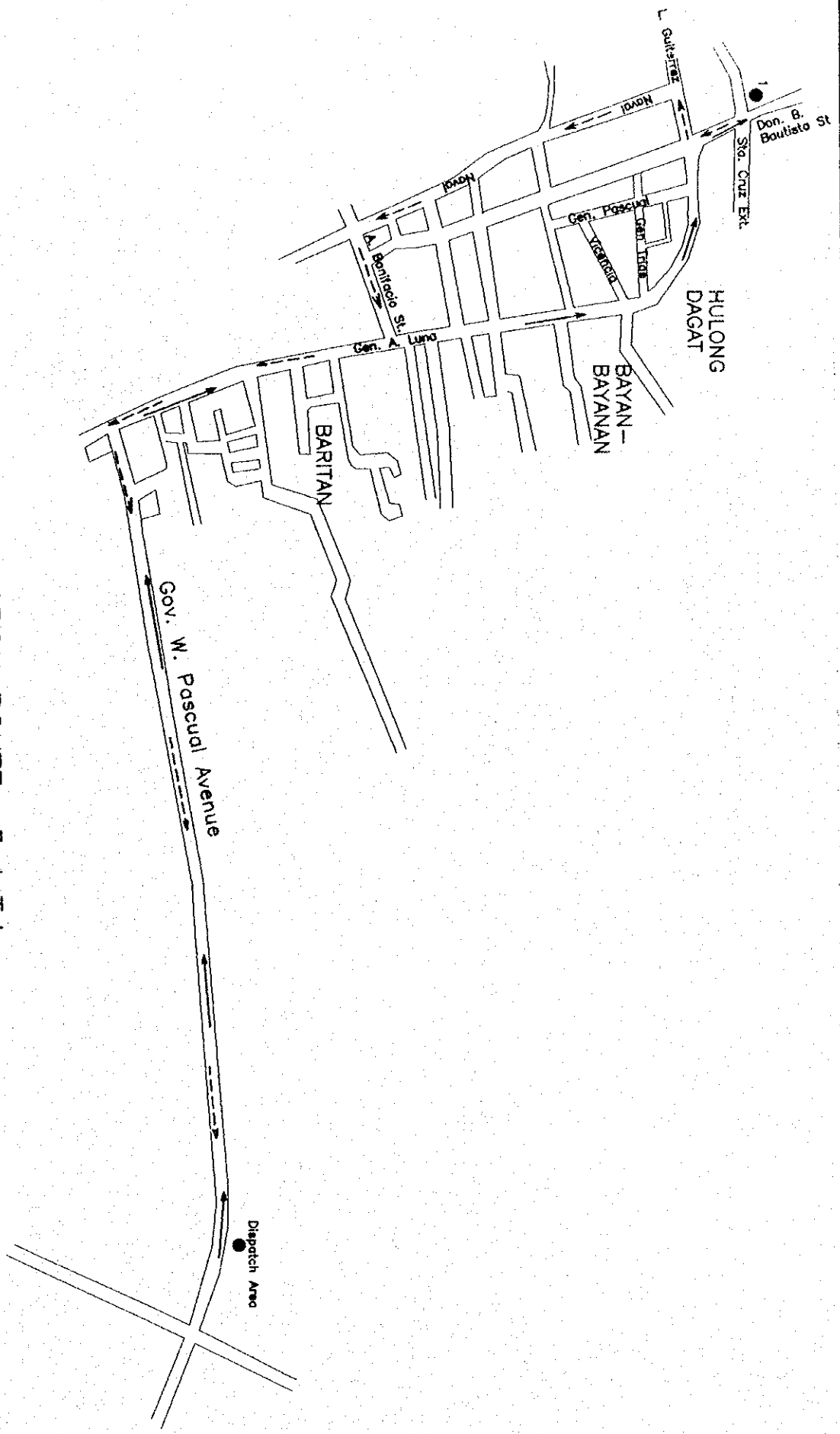


COLLECTION ROUTE 1st Trip (BAYAN-BAYANAN MALABON)



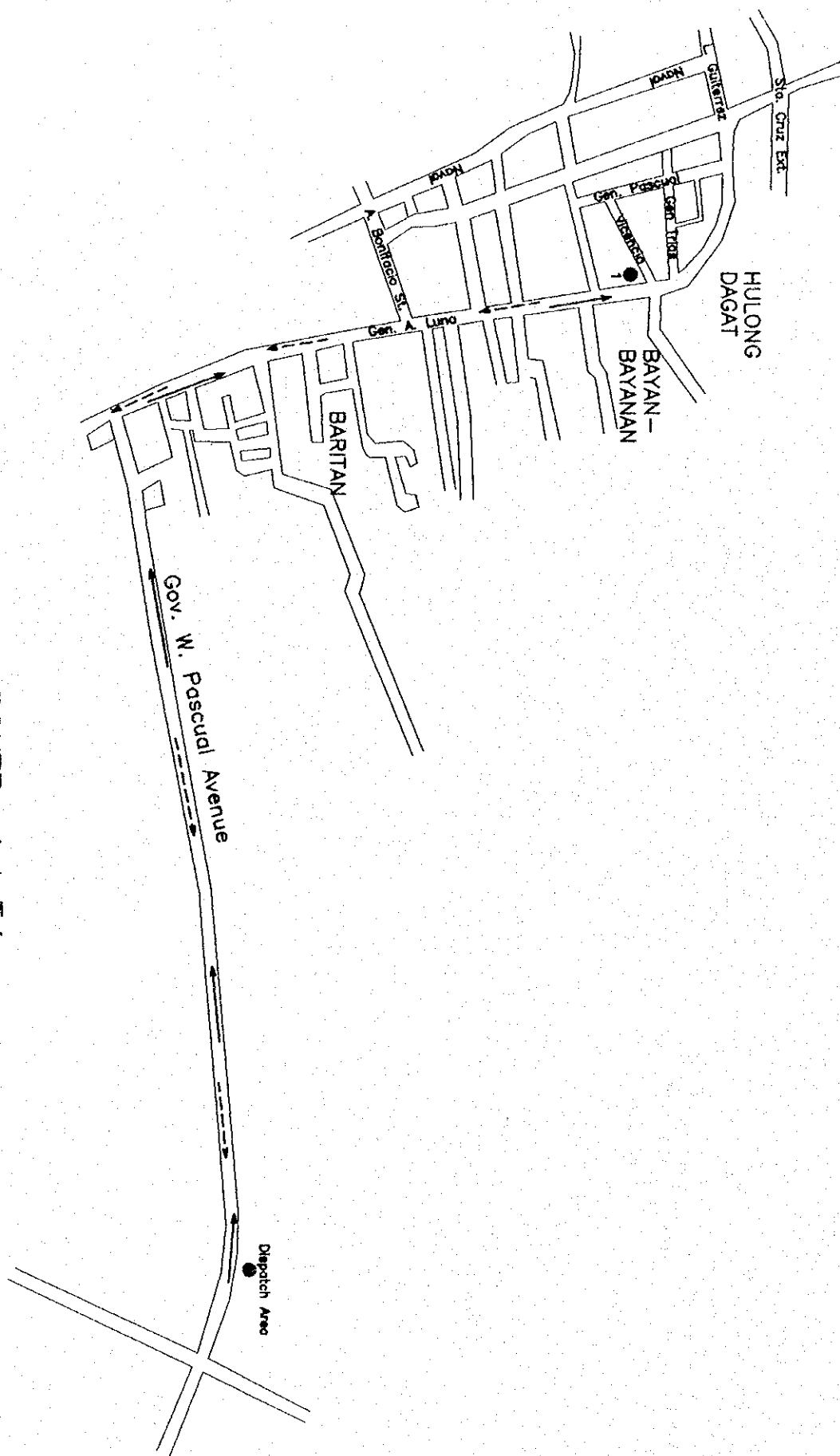
COLLECTION ROUTE 2nd Trip (BAYAN-BAYANAN MALABON)



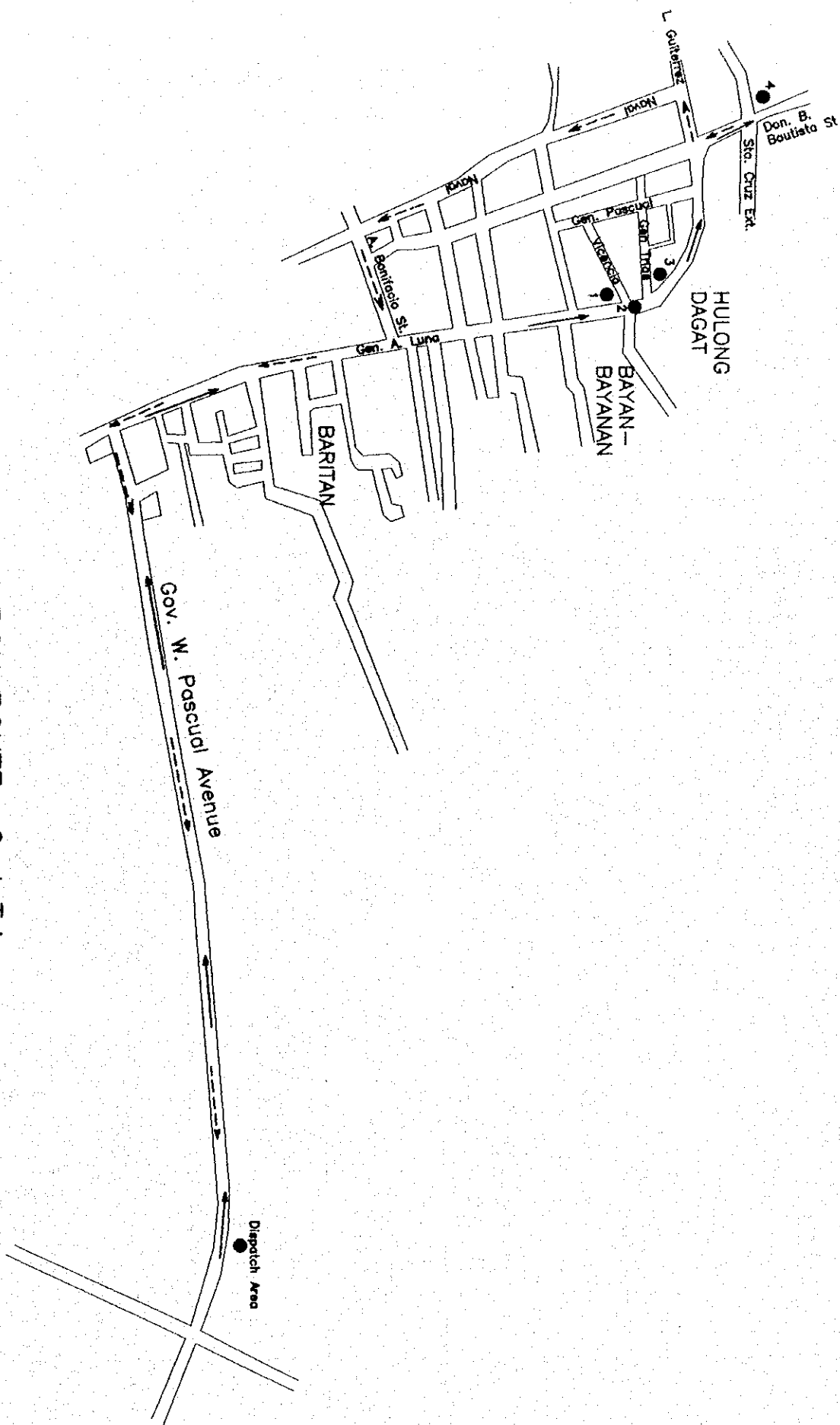


COLLECTION ROUTE 3rd Trip
(BAYAN-BAYANAN MALABON)

COLLECTION ROUTE 1st Trip (BAYAN-BAYANAN MALABON)



COLLECTION ROUTE 2nd Trip (BAYAN-BAYANAN MALABON)



TIME & MOTION STUDY

Pushcart Route No. 4 (ML-1)

Date	20-Mar-98
Type Of Waste	Residential
Collection Area	Route No. 4 (see attached map)
City/Municipality or Private Contractor	Primary Collector (Juanito Galoso)
Crew(including Driver)	One (1)
Loading Capacity (cu.m)	1.2
Vehicle No. (Year of Fabrication)	Pushcart No.4
Working Hours	6:55am - 8:24am
Number of Trips	2
Collected Waste Volume (cu.m)	2.4

	TIME		Distance (m)	Collection Time	Trip Time to Next Station	Activities
	Arrival	Departure				
Garage		06:55:31				Start of first trip
01 Station	06:59:22	07:01:54	15.9	00:02:32	00:03:51	Collecting garbage
02 Station	07:02:13	07:04:04	17.49	00:01:51	00:00:19	Collecting garbage
03 Station	07:04:25	07:07:11	12.72	00:02:46	00:00:21	Collecting garbage
04 Station	07:07:26	07:08:35	3.18	00:01:09	00:00:15	Resting/Collecting garbage
05 Station	07:08:39	07:10:09	10.07	00:01:30	00:00:04	Collecting garbage
06 Station	07:10:21	07:10:37	9.54	00:00:16	00:00:12	Collecting garbage
07 Station	07:10:48	07:11:47	3.18	00:00:59	00:00:11	Collecting garbage
08 Station	07:11:51	07:11:59	4.77	00:00:08	00:00:04	Collecting garbage
09 Station	07:12:05	07:13:36	3.71	00:01:31	00:00:06	Collecting garbage
10 Station	07:13:40	07:14:22	9.01	00:00:42	00:00:04	Collecting garbage
11 Station	07:14:32	07:14:41	13.78	00:00:09	00:00:10	Collecting garbage
12 Station	07:14:57	07:15:26	5.3	00:00:29	00:00:16	Collecting garbage
13 Station	07:15:32	07:15:35	7.42	00:00:03	00:00:06	Collecting garbage
14 Station	07:15:44	07:17:20	10.6	00:01:36	00:00:09	Collecting garbage
15 Station	07:17:33	07:18:55	15.9	00:01:22	00:00:13	Collecting garbage
16 Station	07:19:14	07:19:44	3.18	00:00:30	00:00:19	Collecting garbage
17 Station	07:19:47	07:23:58	12.72	00:04:11	00:00:03	Collecting garbage
18 Station	07:24:13	07:26:09	25.44	00:01:56	00:00:15	Collecting garbage
19 Station	07:26:39	07:30:53	19.61	00:04:14	00:00:30	Collecting garbage
Collection Point	07:31:16	07:52:22	55.65	00:21:06	00:00:23	Unloading garbage
01 Station	07:54:09	07:57:09	147.34	00:03:00	00:01:47	Collecting garbage
02 Station	07:57:25	07:58:16	12.72	00:00:51	00:00:16	Collecting garbage
03 Station	07:58:23	08:00:14	5.83	00:01:51	00:00:07	Collecting garbage
04 Station	08:00:24	08:01:05	8.48	00:00:41	00:00:10	Collecting garbage
05 Station	08:01:12	08:02:13	6.36	00:01:01	00:00:07	Collecting garbage
06 Station	08:02:23	08:03:13	8.48	00:00:50	00:00:10	Collecting garbage
07 Station	08:03:19	08:03:37	5.3	00:00:18	00:00:06	Collecting garbage
08 Station	08:03:41	08:04:47	3.18	00:01:06	00:00:04	Collecting garbage
09 Station	08:04:59	08:05:58	10.07	00:00:59	00:00:12	Collecting garbage
Collection Point	08:06:44	08:24:37	38.69	00:17:53	00:00:46	Unloading garbage
Garage	08:26:49		143.63		00:02:12	End collection

TIME & MOTION STUDY

Pushcart Route No. 5 (QC-1)

Date	20-Mar-98
Type Of Waste	Residential
Collection Area	Route No. 5 (see attached map)
City/Municipality or Private Contractor	Primary Collector (Longlong Cantaros & Freddie Irasga)
Crew(including Driver)	Two (2)
Loading Capacity (cu.m)	0.8
Vehicle No. (Year of Fabrication)	Pushcart No. 5
Working Hours	6:17am - 10:20am
Number of Trips	4
Collected Waste Volume (cu.m)	3.2

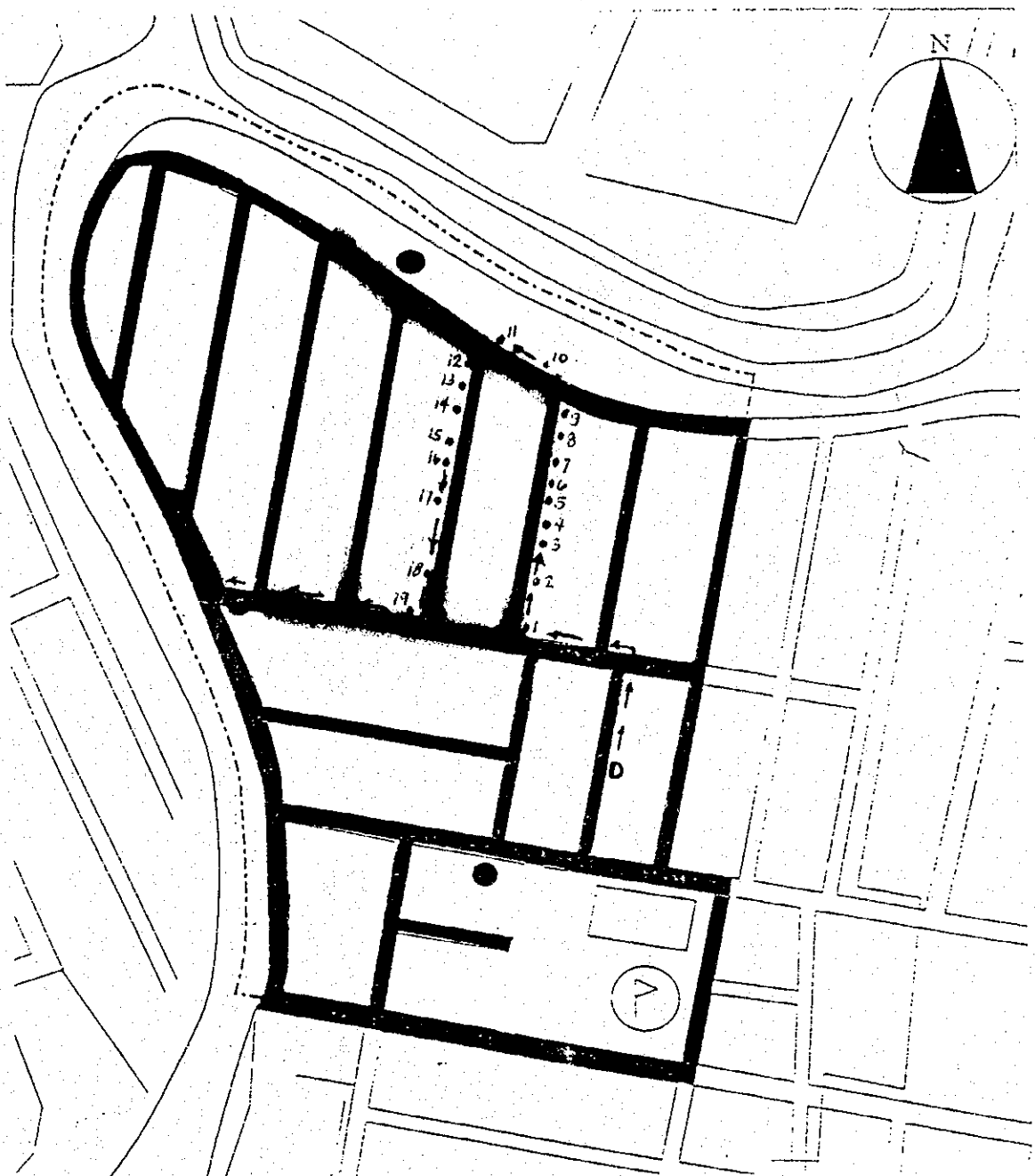
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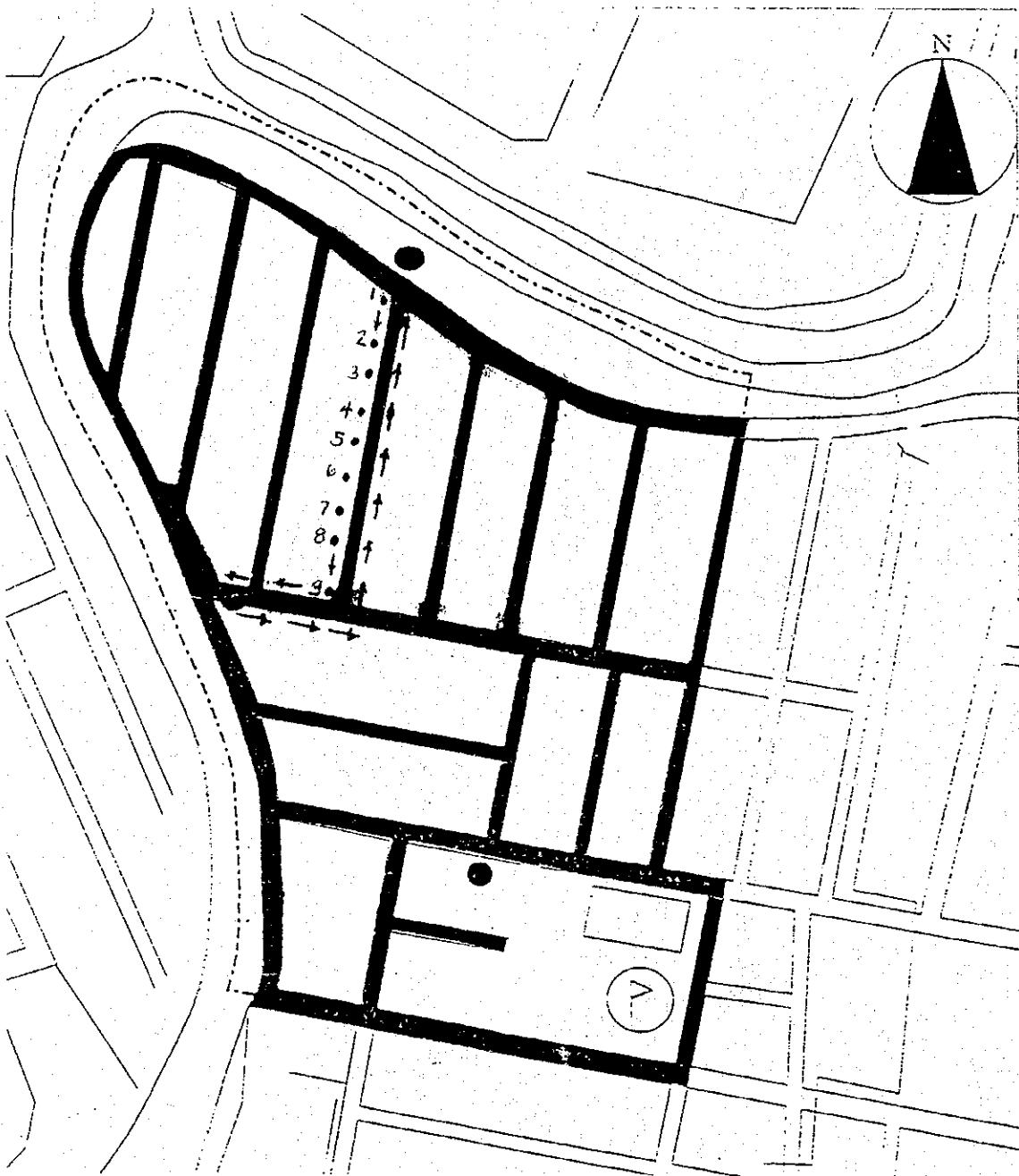
TIME & MOTION STUDY

Pushcart Route No. 3 (MB-1)

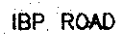
Date	25-Mar-98
Type Of Waste	Residential
Collection Area	Route No. 3 (see attached map)
City/Municipality or Private Contractor	Primary Collector (Leopoldo Aragon Jr.)
Crew(including Driver)	One(1)
Loading Capacity (cu.m)	0.86
Vehicle No. (Year of Fabrication)	Pushcart No. 3
Working Hours	6:34 AM - 11:42 AM
Number of Trips	4
Collected Waste Volume (cu.m)	3.46

[illegible]



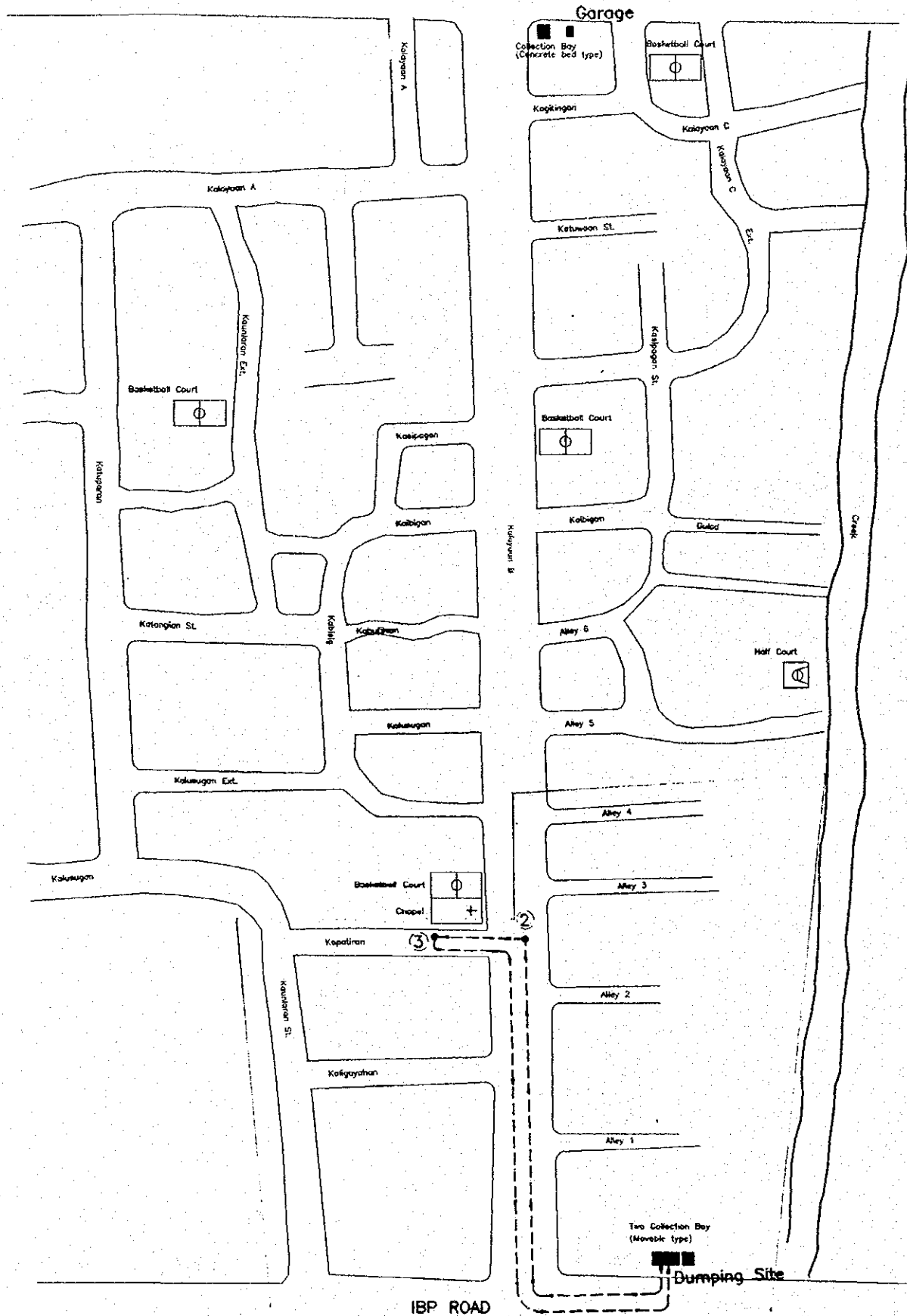


COMMONWEALTH AVENUE

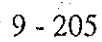


SECOND TRIP

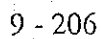
COMMONWEALTH AVENUE



COMMONWEALTH AVENUE

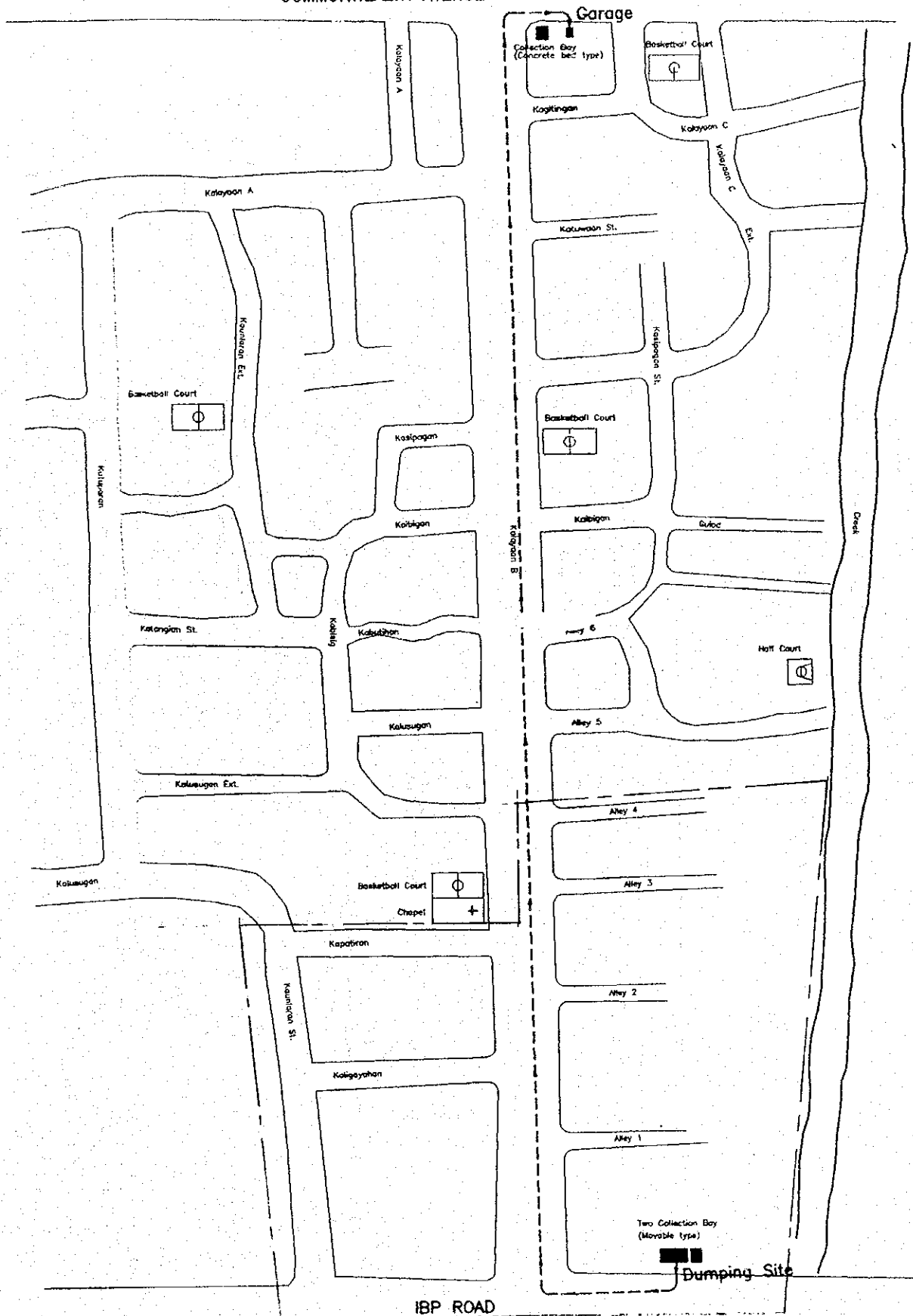


COMMONWEALTH AVENUE

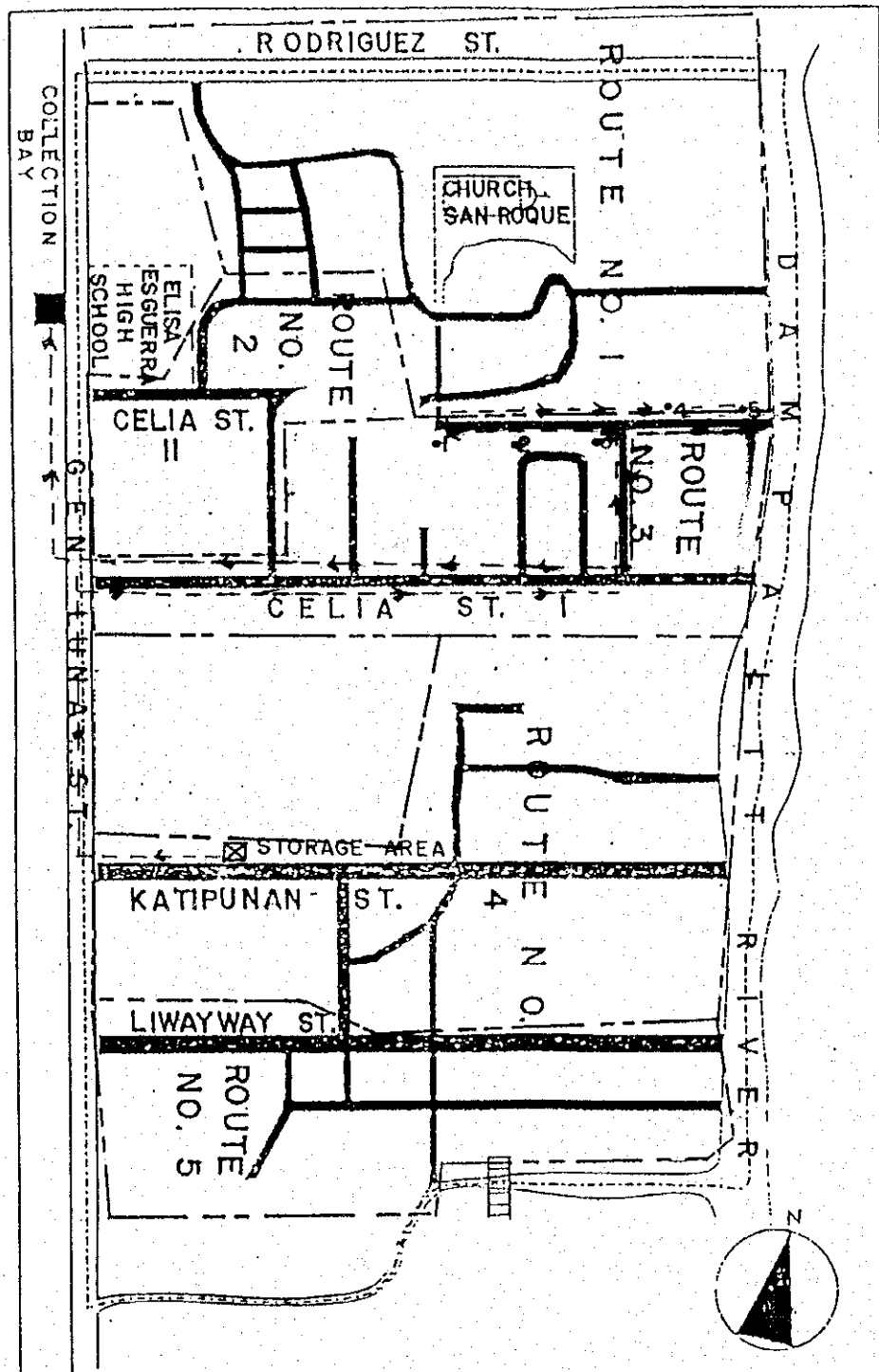


DUMPING SITE TO GARA

COMMONWEALTH AVENUE



FIRST TRIP



Primary collection routes
Waste discharge points

Fig. MB-1 : Primary Collection Routes and
Location of Waste Discharge Points Installed

SECOND
TRIP

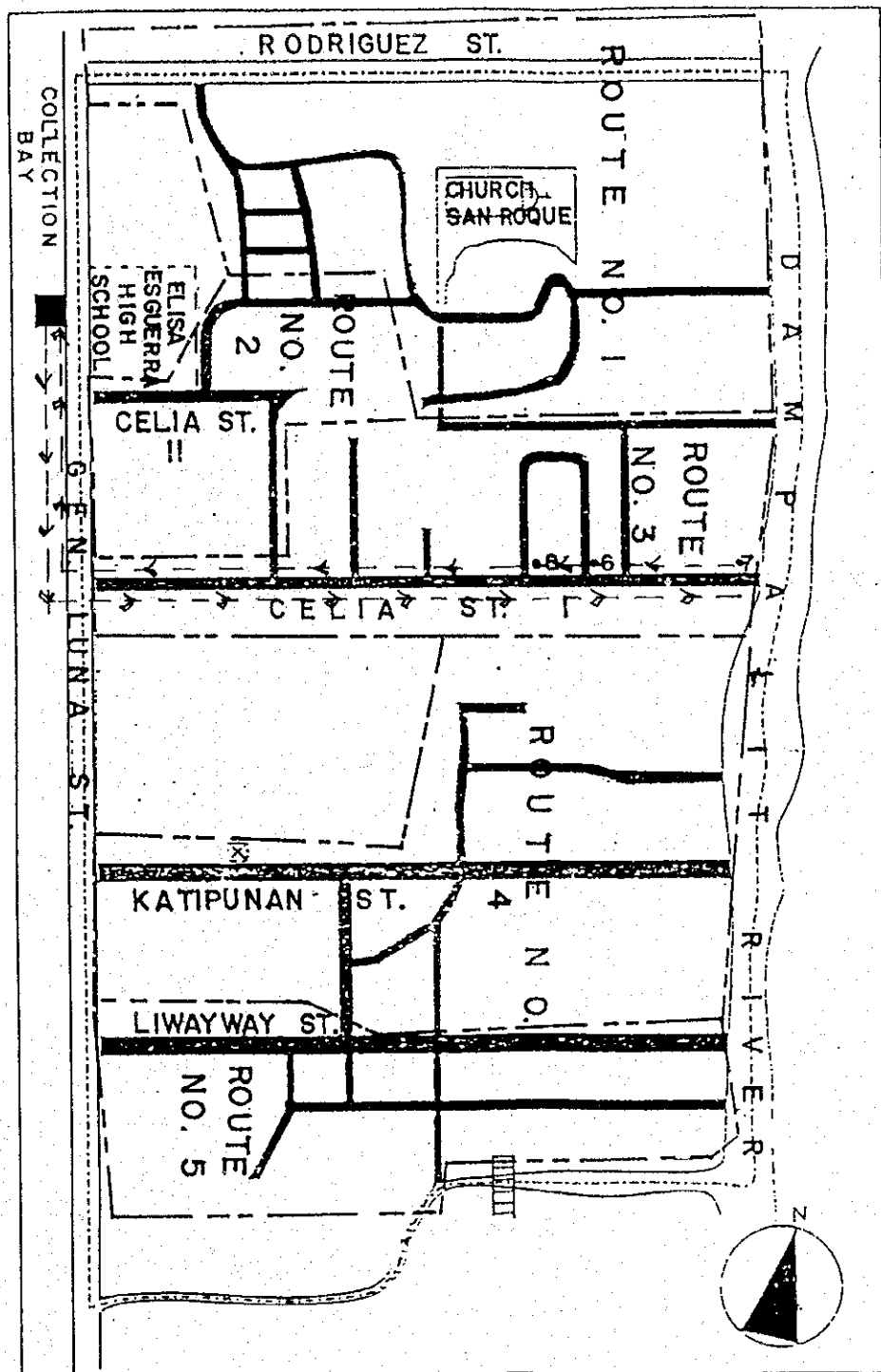
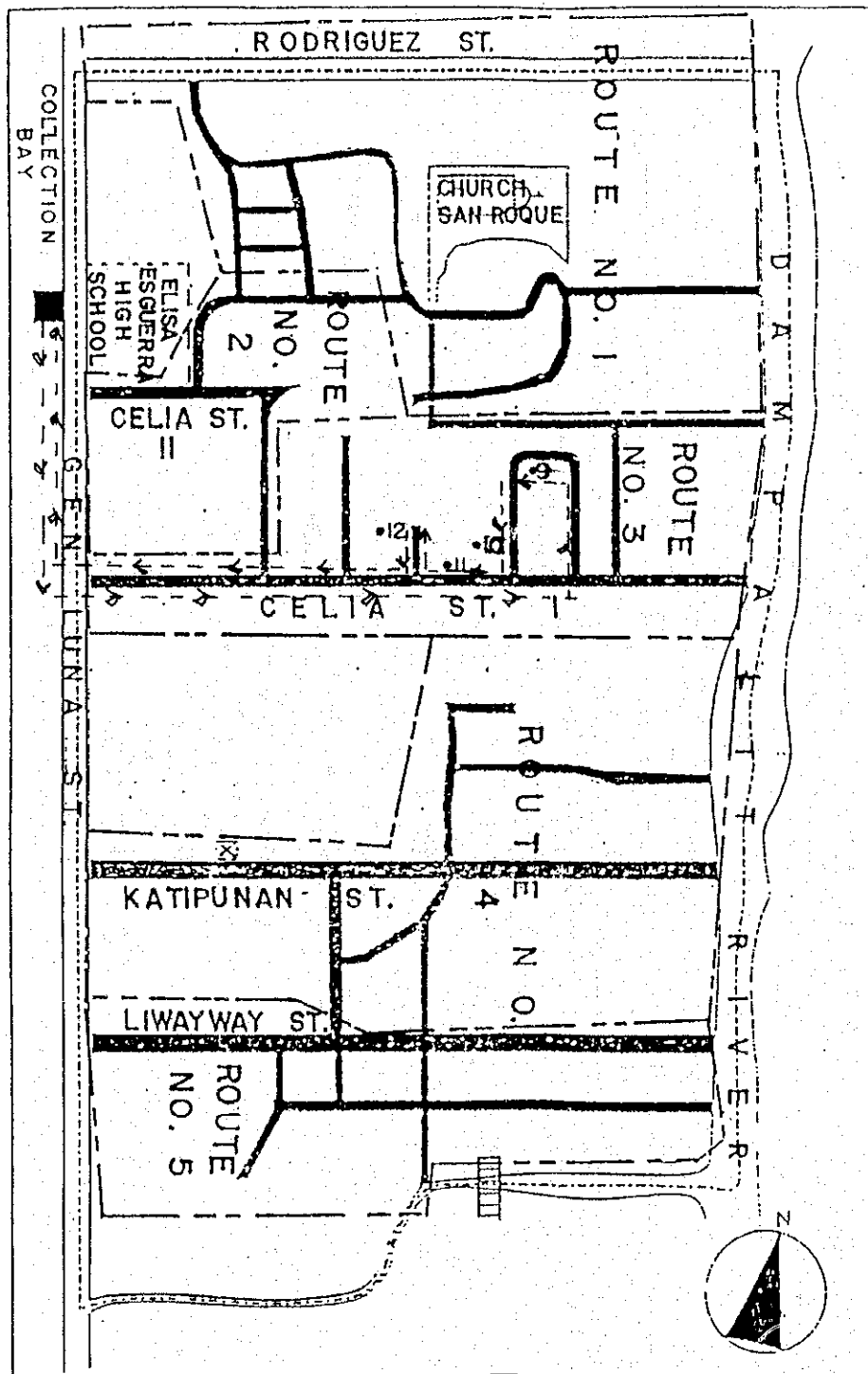


Fig. MB-1 : Primary Collection Routes and
Location of Waste Discharge Points Installed

THIRD
TRIP



Primary collection routes
Waste discharge points

Fig. MB-1 : Primary Collection Routes and
Location of Waste Discharge Points Installed
9 - 210

FOURTH TRIP

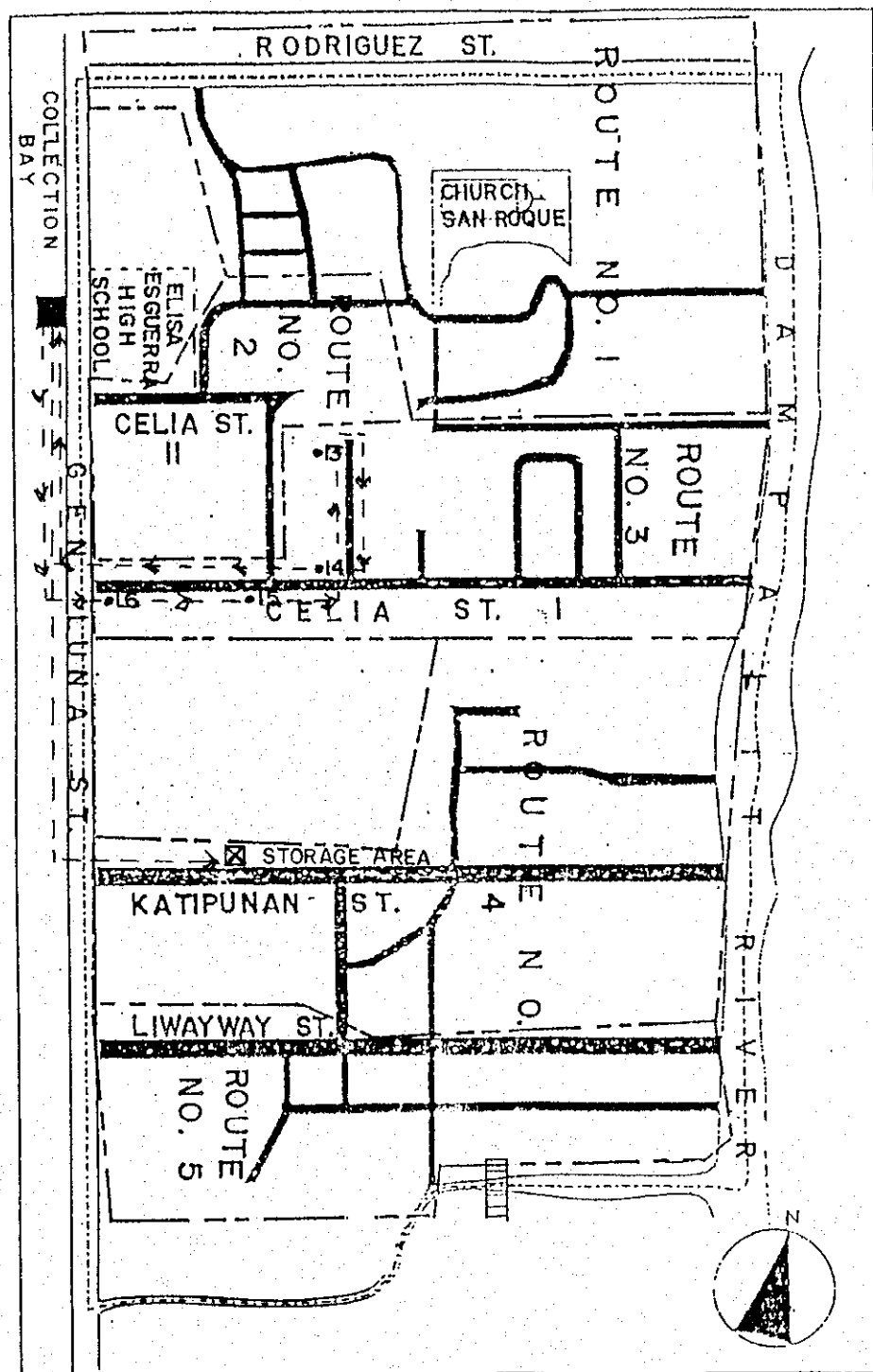


Fig. MB-1 : Primary Collection Routes and
Location of Waste Discharge Points Installed
9 - 211

