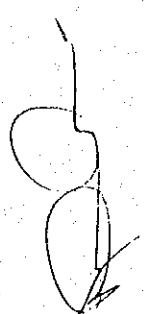
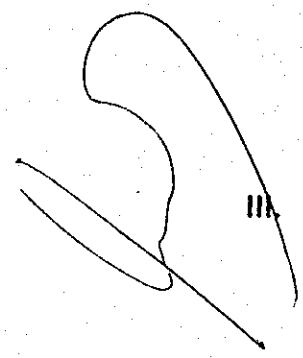


**ACTION PLAN FOR THE  
IMPROVEMENT OF COLLECTION SYSTEM OF  
BARANGAY 182, Zone 16  
Tondo, Manila**

**I. OBJECTIVES**


- 
- 1.1 Establish a regular collection schedule for the contractor and primary collector that will be carried out even after the pilot project period.
  - 1.2 Introduce a primary collection system by the use of pushcarts.
  - 1.3 Identify collection points.
  - 1.4 Establish a collection service fee for the primary collectors.
  - 1.5 Establish responsibilities of stakeholders.

**II. PLAN FRAMEWORK**

- 
- 1.1 The action plan is based on the result of the focused group discussion and further consultations.
  - 1.2 It will commence with a "Clean-up Day" that will be participated by the stakeholders.
  - 1.3 The pilot project will be conducted until the end of the year. It shall be monitored and evaluated.

**III. COMPONENTS**

**1. Discharge by Household**



Frequency	:	once daily
Time	:	7:00 - 9:00 a.m.
Place	:	front of premises
Container	:	plastic bag, sack, etc.

2. Collection by primary collectors

Frequency : once daily  
Time : 7:00 - 9:00 a.m.  
Collection System : door-to-door (curb side coll.)  
Collection route : inaccessible streets in the area  
each collector covers a specific area. (Refer to map indicating assignments)  
Equipment : Pushcart, stick broom, shovel

3. Collection Points

Locations  
Infront of NHA field Office  
Between P. Danganan and  
Mendoza St.  
Between R. Cruz St. and  
Hermosa Ext.  
(Refer to Map I)

4. Collection by Local Government/Contractor

Frequency : daily  
Time : 10:00 a.m.  
Collection System : point collection  
Place : (Refer to No. 3)

5. Institutional System

Collection Service Fee : P1.00 - P5.00/ day Voluntary  
Collection Truck Contractor  
Department of Public Services,  
City of Manila

## **6. Responsibility/Accountabilities**

### **6.1 Residents**

- \* Store and discharge waste according to collection schedule.**
- \* Keep premises clean at all times.**
- \* Voluntarily give P1.00 - P5.00 to the primary collector**
- \* Participate in the "Clean -up Day" that will kick-off implementation of the pilot project**

### **6.2 Barangay Officials**

- \* Appoint five (5) primary collectors and issue identification card.**
- \* Pay the five (5) primary collectors on a monthly basis.**
- \* Prepare contract with primary collectors, define responsibilities.**
- \* Inform all the residents of the household waste discharge method, frequency, and time.**
- \* Encourage the residents to give the primary collectors "financial tokens" each time their household waste are collected.**
- \* Decide the management system of pushcart and collection points. (responsible person, maintenance, repair, inspection, proper use). This should be contained in the contract.**
- \* Monitor the implementation of the new collection system**
- \* Support the "Clean -up Day" activity and ensure participation of all residents.**

- \* Enforce existing ordinances on anti-littering (MMDA regulations 96-009) and others that affect collection system, i.e. traffic rules

### 6.3 Primary Collector

- \* Provide a reliable collection work on schedule, adequate coverage of route, proper handling of collected waste.
- \* Consider garbage collection as the basic responsibility not street sweeping
- \* Operate and maintain pushcarts and discharge points: maintain cleanliness of equipment/storage facility and avoid having them stolen/vandalized.
- \* Use pushcart for garbage collection only.
- \* Look clean (wear ID and handgloves) and behave well (dont demand payment) during worktime.
- \* Keep a record of the volume of waste collected daily.
- \* Keep a record of "money received" daily from the residents.

### 6.4 LGU (Dept. of Public Services)

- \* Dedicate a collection truck for the pilot area.
- \* Monitor performance of collection truck contractor in the pilot area.
- \* Support the "Clean-up Day" by providing equipment (stick broom and garbage bags: snack/drinks), and sending staff to participate.

### 6.5 Contractor

- \* Provide regular collection service. Keep schedule.
- \* Participate in the "Clean-up Day"
- \* Maintain road-worthliness and cleanliness of truck.

- \* Provide necessary paraphernalia of truck (If open dumptruck, include tail-gate and garbage cover)

#### 6.6 MMDA

- \* provide fifteen (15) river aides personnel and equipment to clean the esteros on "Clean-up Day"
- \* Spearhead the "Clean-up Day" with the JICA and the Barangay officials coordinate the program.


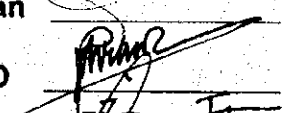
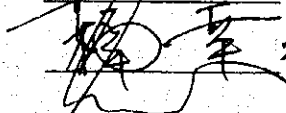
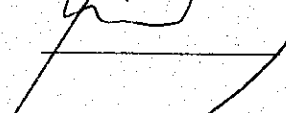
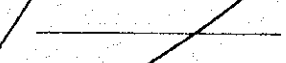
#### 6.7 JICA

- \* Provide five (5) units of pushcart
- \* Supervise and monitor the entire pilot project.

#### 7. Attachments

Primary Collector Route Assignments and  
Location of Collection Points

#### 8. CONFORME OF BARANGAY OFFICIALS, MMDA, JICA, DPS-CITY OF MANILA, LEONEL (Pag-sang-ayon ng mga kinauukulan)

	NAME	POSITION	SIGNATURE
1.	MR. DANILO UNAMAYOR	Barangay Chairman	
2.	MR. ROGELIO U. URANZA	Head, IPDG-SWMO	
3.	MR. KOJI KUSUNOKI	JICA EXPERT	
4.	MR. LEONARDO V. UY	LEONEL	
5.	ENGR. DEOGRACIAS MANIMBO	OIC, DPS	

**METROPOLITAN MANILA DEVELOPMENT AUTHORITY  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY**

**PILOT PROJECT ON  
IMPROVEMENT OF COLLECTION SYSTEM  
BGY. 182, ZONE 16, TONDO, MANILA**

**CLEAN UP DAY PROGRAMME  
March 10, 1998**

**8:00 - 8:30 ASSEMBLY TIME**

**8:30 - 8:40 OPENING CEREMONY**

- \* National Anthem**
- \* Invocation**

**8:40 - 8:50 Welcome Remarks : Bgy. Chairman**

**Introduction of Project : Dir. ROGELIO U. URANZA  
Head, Infra Planning Dev't. Group**

**Mr. KUSUNOKI - JICA**

**8:50 - 9:00 Introduction of Guest Speaker: Bgy. Chairman**

**Speech of Guest Speaker : Hon. JOSELITO ATIENZA  
Acting Mayor, City of Manila**

**9:00 - 9:10 Brief on Assignments  
Acceptance : Representative Resident of  
Pilot Area**

**9:10 - 12:00 CLEAN UP TIME**

**12:00 - 12:45.....LUNCH BREAK.....**

**12:45 - 2:00 Inspection of Streets**

**2:00 - 2:30 Distribution of T-shirt**

**2:30 - 3:00 Distribution of T-Shirts (drawing of lots)**

**2:30 PM END OF CLEAN - UP DAY**

**EMCEE : ELSIE I. ENCARNACION - MMDA**

**ACTIVITIES DURING THE CLEAN UP DAY**  
**March 10, 1998, 8:00 a.m. - 1:00 pm.**  
**BARANGAY 182, ZONE 16, TONDO MANILA**

1. The project was launched by the MMDA-JICA, Bgy. Officials in a program attended by JICA Study Team, MMDA Officials, personnel from DPS-Mla., MMDA-Riveraide, representative from Leonel, (3) primary Collectors, Bgy. Chairman and other officials together with many of the residents.
2. The general cleaning started after the program at 9:30 a.m.
3. T-shirts, stickers, plastic bags, shovels and brooms were provided by JICA to the participants.
4. The participants proceeded to their areas of assignment.
5. The clean up activity started by sweeping, collecting and hauling the garbage to the pushcarts operated by the primary collector.
6. Public information, and dissemination campaign were conducted simultaneously, while the clean-up is on-going.
7. Some of the residents participated in the clean up of the area.
8. Site inspection of the area was conducted.
9. Lunch was provided by JICA Study Team, Leonel and Mr. Uianza  
Merienda was provided by Transtar Contractor

## **PILOT COLLECTION PROJECT IN BARANGAY 182, ZONE 16, TONDO, MANILA**

### **CHRONOLOGY OF ACTIVITIES**

January 26, 1998

- \* Initial Meeting/Site Visit (Mr. Kusunoki, Raqui, Connie)
  - gathered data base for planning
  - discuss project concept and objectives
  - arrange tentative schedule of succeeding meetings/activities

February 10, 1998

- \* Meeting with Mr. Ocampo at City Hall
- \* Meeting with Chairman Unamayor regarding the Workshop; on February 13, 1998
- \* Asked the Chairman to involve 35 residents in the workshop : 2 representatives from each street.

February 12, 1998

- \* Follow-up

February 13, 1998

- \* Schedule of Focused Group Discussion/Workshop

February 25, 1998

- \* Meeting with Mr. Kusunoki, MR. Ocampo, Mr. Sammy Brown and Mr Mansilungan of Leonel Management at the DPS office, City Hall

to discussed the concept contents, of and the requirements of the Project.

- \* Meeting with Mr. Kusunoki, MR. Unamayor and Mr. Brown at Bgy. 182. Discussed the concept and contents, of the Proj. : storage and discharge by households, collection by primary collectors, the date, time, collection route, discharge points, structure of collection bay/equipment including the role of the residents, barangay, primary collector, LGU, Contractor, MMDA & JICA.

March 3, 1998

- \* Mr. Kusunoki and Raqui meet with Bgy. Officials.  
The Bgy Secretary said they will have a meeting together with residents, schedule on March 4,1998 to discuss and possibly agree on the following:
  - Fee for the Garbage Collectors
  - Acceptance of the Collection bay

March 4, 1998

- \* Meeting with Mr. Ocampo & Mr. Kusunoki at City Hall,  
Mr. Unamayor & Mr. Celso Inobaya-Bgy. Secretary at Bgy. 182.
  - Discussed the location of the communal facility, the collection of the primary collectors, the frequency of collection, the time, collection system, collection route, equipment, collection points.
  - Residents nearby the proposed site of collection bay expressed disagreement over the construction of the facility.

March 5, 1998

- \* Meeting with Mr. Kusunoki, Mr. Unamayor, MR. Ocampo, Rachel

- Discussed again about the location of the communal facility and acceptance of the nearby residents .
- The Chairman agreed on the construction of concrete bed despite disagreement of residents.

March 6, 1998

- \* Meeting with Mr. Unamayor, Mr. Kusunoki and the Woodfield Consultancy Inc. staff to construct the concrete bed.

March 7, 1998

- \* Materials for the construction has been delivered but construction could not start because the residents complained.

March 9, 1998

- \* Meeting with MR. Kusunoki, Elsie and the residents nearby the proposed site for collection bay.
  - Elsie conducted meeting to get consensus about location of collection bay, 40 residents attended the meeting on the street.
  - Residents firmly disagreed about the construction of collection bay.
  - Three (3) other sites for collection points identified.
  - Primary collectors were identified, collection route firmed-up

March 10, 1998

- \* General Clean-up Day (pls see attachment)

**March 18, 1998 FINDINGS/OBSERVATIONS MADE AFTER**  
**CLEAN-UP DAY**

1. Some residents living near the collection point in Hermosa Extension are not in favor of the arrangement.
2. Mr. Kusunoki decided to use another area near Estero de Sunog Apog as the collection point.
3. Complaints on non-availability of collection trucks as scheduled were also heard for the residents in Estero de Sunog Apog.
4. A request for a movable container was made by the Bgy. Kagawad.
5. Because of obstruction such as illegally-parked vehicles the push cart cannot pass thru the small streets in the area.
6. The primary collectors made 2 - 3 trips in one day collecting garbage from their areas of assignment.
7. To avoid loose garbage, the primary collectors are requesting that plastic bag/sacks be provided to the residents.
8. Collection by the primary collectors is completed at 9:00 a.m.
9. The primary collector are complaining about the weight of the push cart.
10. The primary collectors have to wait for the arrival of the collection truck;
11. The primary collectors also sweep their area of assignment and can collect garbage that can fill up two (2) sacks. (It has been agreed that sweeping is the responsibility of the residents).
12. On the initial day of implementation, one of the 5 primary collectors received voluntary contribution of P80.00

1. **PROFILE**
2. **FOCUSED GROUP DISCUSSION**
3. **ACTION PLAN**
4. **CLEAN-UP DAY**
5. **CHRONOLOGY ACTIVITIES**

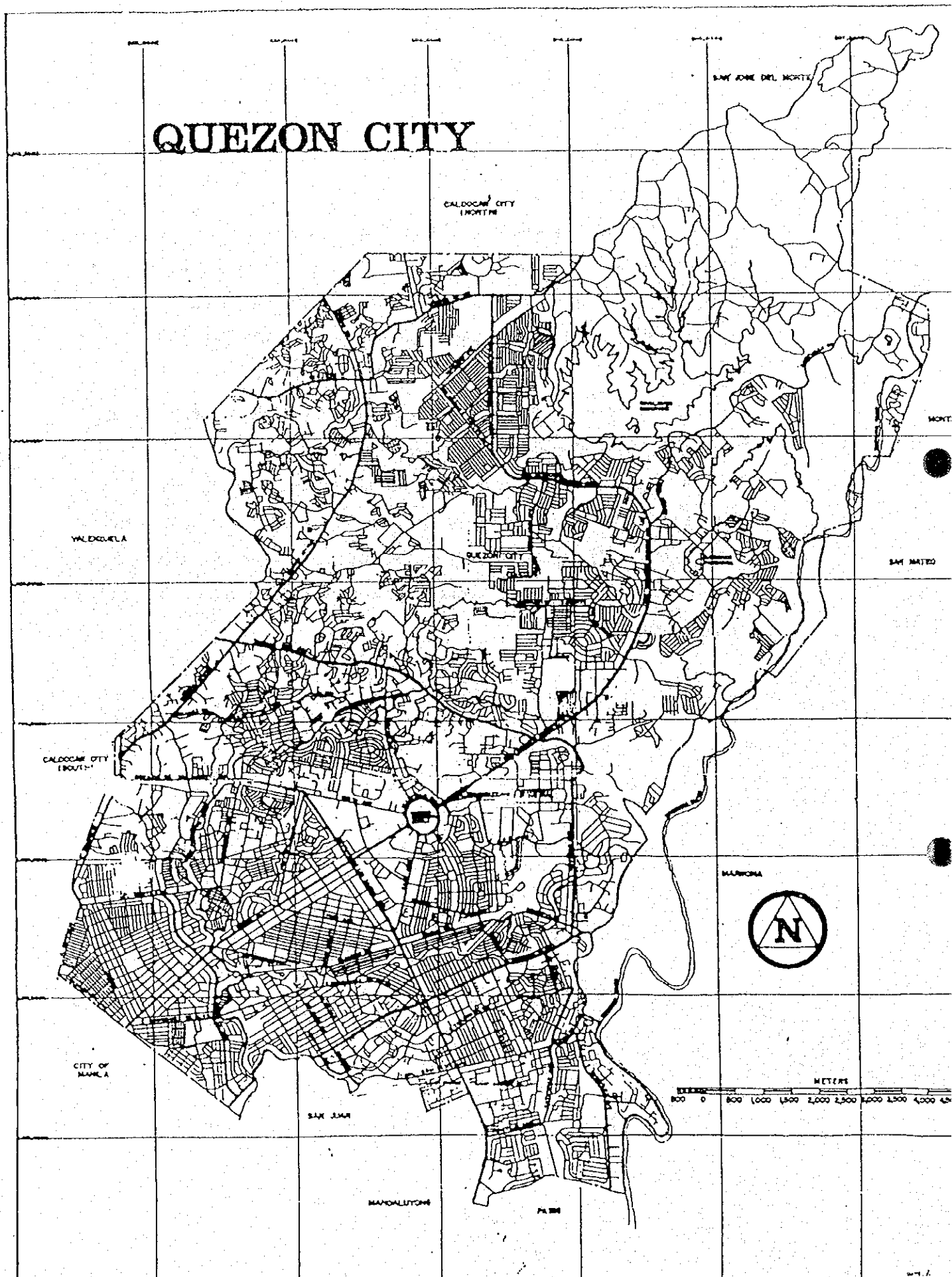


## PROFILES OF SELECTED SITES

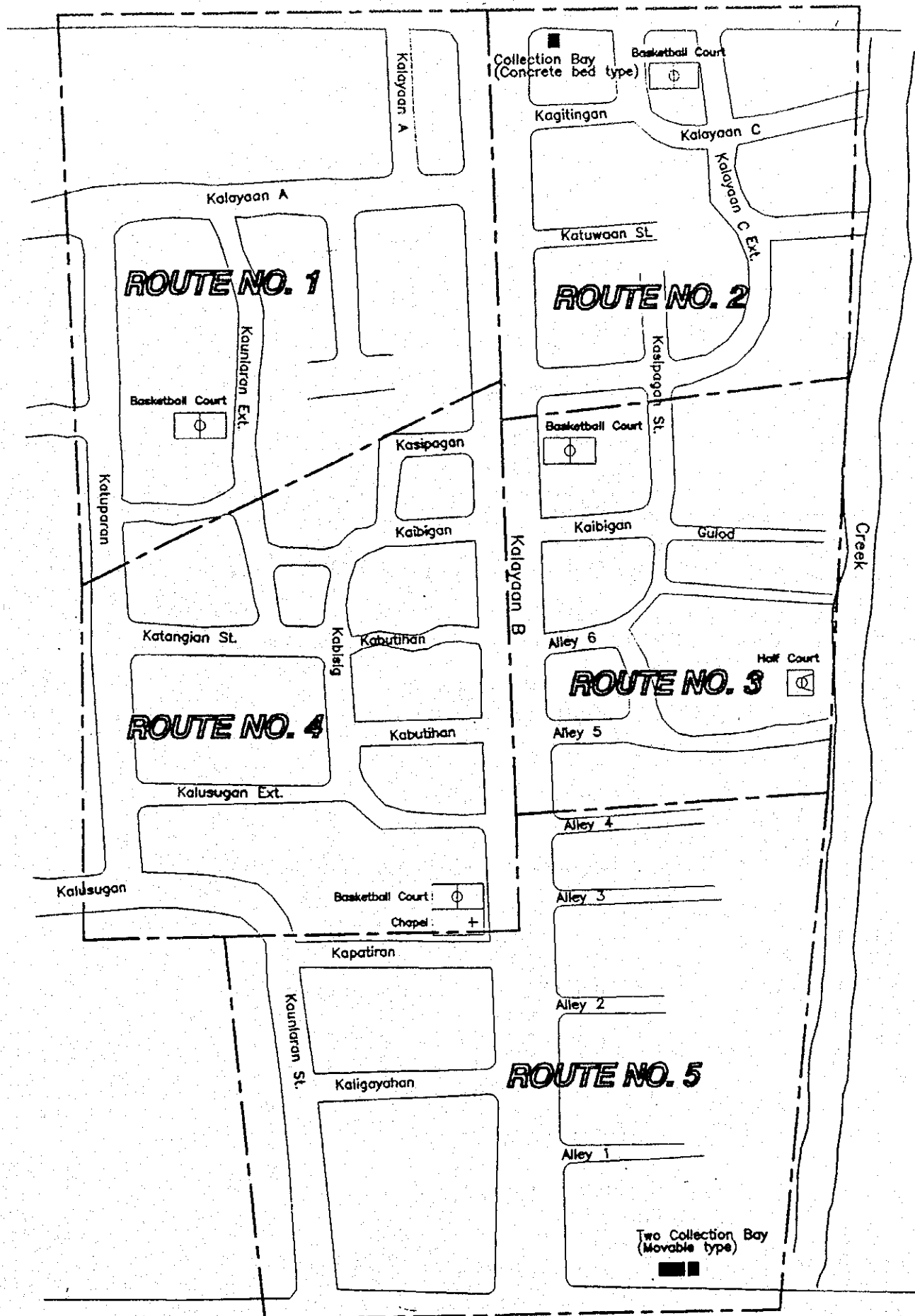
### **BARA NGAY BATASAN HILLS, KALAYAAN B,C, QUEZON CITY**

Pilot Site III is a government owned land that covers the whole area of Kalayaan B and small portion of Kalayaan C and A. This area is bounded by two major thoroughfares: Commonwealth Ave in the west and IBP Road in the east. A creek traverses at the north from the Commonwealth Ave. to the IBP road.

The pilot site is a depressed community of some 12,000 people or 2,400 households. Dwelling units are built close to each other in clusters. The area has many open spaces and trees which give a rural characteristic to the place. Other portions of the land are low by 6-10 ft from street level. Streets are narrow from 2 meters to less. There is only one main road which a garbage collection truck can access twice a week. The small creeks beside houses are filled with garbage, and so with open canals.



# COMMONWEALTH AVENUE



IBP ROAD

**METROPOLITAN MANILA DEVELOPMENT AUTHORITY  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY**

**FOCUSED GROUP DISCUSSION ON  
IMPROVEMENT FOR COLLECTION SYSTEM  
(Pilot Project)**

**BARANGAY BATASAN HILLS, KALAYAAN B,C  
QUEZON CITY**

**February 19, 1998**

- 8:30 - 9:00 REGISTRATION**
- 9:00 - 9:10 National Anthem**
- 9:10 - 9:30 Opening/Welcome Remarks**
- a. Mr. Manuel Laxina - Bgy. Chairman
  - b. Dir. Rogelio Uranza - MMDA
  - c. Mr. K. Kusunoki - JICA
  - d. Ms. Frederika Rentoy - Chief, Operating Officer  
Task Force Clean & Green
- 9:30 - 9:45 INTRODUCTION**
- a. Purpose of Workshop
  - b. Introduction of Participants  
(MMDA/Bgy.)
- 9:45 - 10:00 .....B R E A K.....**
- 10:00 - 12:00 WORKSHOP**  
(Identification of SWM Issues, and Concerns,  
Options and Alternative)
- 12:00 - 1:30 .....LUNCH B R E A K.....**
- 1:30 - 3:00 WORKSHOP (Stakeholders' Analysis)**
- 3:00 - 3:15 .....B R E A K.....**
- 3:15 - 3:30 SUMMARY AND AGREEMENTS**
- 3:30 - 3:45 CLOSING REMARKS**
- Mr. K. Kusunoki  
Ms. F. Rentoy
- Moderator : ELSIE I. ENCARNACION - MMDA**

**BYG COMMONWEALTH KALAYAAN B & C  
QUEZON CITY**

**Venue : Bgy. Commonwealth Kalayaan**

**Date : February 19, 1998**

Out of the 48 participants, 24 (17 -KB; 7 -KC) are residents of Kalayaan B and C only. The other half came from other streets like Kalayaan D, A, Freedom Park II, III, IV and IBP road. Nineteen (19) of the participants are females (39.58%, 29 are male (60.42%). Almost all sectors of society are represented.

a.	Physician	1
b.	Host LGU	2
c.	Contractor Rep.	1
d.	Drivers	8
e.	Housewife	5
f.	Vendors	4
g.	Const. Worker	2
h.	Jobless	4
i.	Mason	3
j.	Bag Maker	1
k.	Electrician	1
l.	Painter	1
m.	Manicurist	1
n.	Sewer	1
o.	Dressmaker	1
p.	Carpenter	1
q.	Cook	1
r.	Baker	1
s.	Barber	1
t.	Bgy. Traffic Aide	1
u.	Student	1
v.	Teacher	1
w.	Pipe fitter	1
x.	Purok leader	2
y.	Pedicab Operator	1
z.	Scholar	1

**ISSUES RAISED**

**\* *Collection Schedule/Collection Trucks***

- 23% said that trucks are too small to accommodate all the garbage.

- Some garbage are left behind after collection.
- Some collection trucks ignore the garbage along their route.
- Some collection trucks are always in a hurry that's why residents have a hard time catching up with them.
- 8% said that some collection crew will not collect their garbage without a fee (small amount P1.00).
- 17% said that there's an irregular schedule of garbage collection (time/day)
- Uncollected garbage in front of daycare center might affect the health of the children.
- Garbage trucks crew will not allow the residents to dump their garbage if the truck is full.
- Garbage very cruel (Basura kay lupit).

\* *Creek/Canal/Drainage*

- 15% said that continuous dumping of garbage along esteros and creek.
- 4% agreed that canal is too small.
- No canal
- Over-flowing of canal

\* *Discipline*

- 17% agreed that lack of cooperation/discipline among residents regarding proper waste disposal.
- Garbage not segregated.
- Lack of awareness RE: Proper waste management.

\* *Animal waste litter along the streets.*

\* *Unfinished construction/Asphalting of the street.*

\* *Irregular distribution of garbage bag. (once the government provided them with black plastic bag).*

\* *10% said that there are no bins/receptacles along the streets for garbage disposal.*

\* *Collection points are too far (for inner streets residents)*

## SOLUTIONS

\* *Collection Schedule*

- 17% said that schedule of collection should be at least be 3 - 4 times a week.
- 8% said that the garbage truck should be big enough to accommodate all the garbage of the residents.

- To collect all the garbage 2 trucks a day are needed.
- There should be a daily collection of garbage to minimize the volume.
- The LGU/Barangay should purchase additional truck.
- In every street, there must be a regular collection schedule of garbage trucks.
- There is a need for at least 10 units of push carts for their ongoing projects.

\* *Proper Drainage System*

- Collect/remove garbage from the creek.
- Finish works on canal to avoid flooding.
- Maintain open canal to avoid flooding.
- Maintain open canal, Kalayaan B canal should not cross kalayaan C canal.
- Resolve garbage concerns as soon as possible before the rainy season comes.
- Provide manhole so that canal will not overflow.
- Cooperation among resident is needed to clean the creek in the area.
- There should be barangay intervention on drainage planning and construction.

\* *Segregate bottles, plastic or tin cans.*

\* *Handle waste properly such as burning of paper, if needed. (This suggestion was further discussed and participants resolved that there should be no burning of garbage allowed..*

\* *Dispose garbage properly and in the right place.*

\* *Secure pets.*

\* *Store garbage in sacks, plastic bags, trash can, properly to facilitate collection.*

\* *Collection Receptacles at Collection Points*

- 4% said that big containers be provided at collection points; 4% suggest that drum be provided in every corner of alley; or
- Provide trash can with a distance of 50 meters and collect it daily by the garbage truck; or in any proper place to facilitate collection.
- There is a need for sacks to put in garbage.

\* *Information Dissemination and Enforcement*

- Apprehend garbage violators by giving them citation ticket

- The LGU/Barangay should inform the residents of the time and day of collection.
- There should be workshops and/or information dissemination at barangay/community level regarding proper waste disposal

## STAKEHOLDERS

The residents recognize that they are the source of the waste produced in the community. They also recognize that to be able to manage properly their generated waste, they need the support of the other sectors in the community. Based on their identified concerns, and suggested measures to solve their problems, the participants listed down the stakeholders-defining their roles within a given frameworks:

- Keep garbage in their household until collection time.
- Recommend measures on how to improve waste collection.
- Participate in any activity in the barangay on a continuing basis.
- Comply strictly with laws and ordinances.
- Participate in the "tapat ko, linis ko" to help maintain cleanliness in the community.
- Share in the financial burden of waste collection (at least P1.00 - P3.00).
- Coordinate with street leaders.
- Report to the barangay any garbage pile.
- Teach the other members of the household the proper waste handling practices.

### \* *Barangay Officials*

- Strict enforcement of laws and ordinances regarding Solid Waste Management.
- Monitor Collection of garbage.
- Provide salary/allowance for pushcart operators.
- Seek cooperation from residents regarding Solid Waste Management

- Implement programs on Solid Waste Management

\* *Primary Collector*

- Collect garbage regularly and on time.
- Avoid littering while pushing the cart.
- Always put the collected garbage inside the receptacle
- Maintain personal hygiene. Wear protective gadgets like gloves, mask.
- Wear ID while collecting garbage.

\* *LGU/Environmental Officer*

- Responsible for collection of garbage.
- Monitor Barangay activities/projects.
- Support the project of MMDA-JICA on pilot collection project.
- Recommend measures to improve waste collection.

\* *Contractor*

- Provide collection truck as stipulated in the contract.
- Maintain regular collection schedule.
- Coordinate with the Barangay Officials.
- Provide data/information to LGU/Barangay officials on waste volume and other related concerns regarding solid waste.
- Provide cover for the collection truck.

\* *MMDA*

- Help implement pilot collection project.
- Monitor and evaluate the pilot project
- Develop plans on how to improve waste collection.
- Coordinate with LGU and barangay officials on the progress of the project.
- Provide technical assistance.
- Provide manpower to assist in the general clean-up of the barangay.
- Conduct workshop/training/seminar regarding solid waste.
- Provide linkages between JICA, NGO's and other civic organization.

\* *NGO*

- Provide financing on solid waste management projects.
- Disseminate information regarding sanitation.
- Conduct seminar research studies on SWM.

- \* *Religious Group*
  - Support, train, teach, proper waste handling
- \* *Civic Group*
  - Provide financing or solid waste management
  - Conduct seminar, research studies on solid waste management.
- \* *City Engineers*
  - Repairs bad roads
  - Dredge canals
- \* *Teachers*
  - Teach pupils/student the concept of solid waste management and enable them to be demonstrators in their own homes or barangays.
- \* *JICA*
  - Propose measures to institutionalize public participation.
  - Provide technical assistance.
  - Supervise and monitor pilot project on SWM
  - Provide the pushcart and other equipment

## CONSENSUS

- \* Regular collection schedule of the assigned contractor at least 3-4 times a week;
- \* Existing ordinances to be implemented;
- \* That there will be a clean-up before implementing the pilot-project;
- \* That there is a for need push carts for inner/small streets;
- \* That people living in alleys/inner roads need storage/containers.
- \* That the residents maintain cleanliness within their community; and
- \* MMMDA/JICA integrate all solutions identified into an action plan and will present them to the barangay officials. The barangay will disseminate the information to the concerned residents and stakeholders

**WORKSHOP ON IMPROVEMENT FOR COLLECTION SYSTEM**  
**Bgy. Batasan Hills, Kalayaan B, C, Quezon City**  
**February 19, 1998, 8:00 a.m. - 3:30 p.m.**

<b>NAME</b>	<b>ADDRESS</b>	<b>LIVELIHOOD</b>
1. Leonie Pinto	Marangya St. Freedom Park 2	Housekeeper
2. Jose Gerbabuena	Orchids St. Freedom Park 3	Driver/Purok L.
3. Sonia Bello	Kagandahan St. IBP, B.H.	Bgy. Nutrition
4. Nora Taeza	Jonah St., Freedom Park	Housekeeper
5. Tess Busadre	Jonah St., Freedom Park 4	Pub. Sch. Teacher
6. Elsa Tormon	Nieves St., Freedom Park 6	Dressmaker
7. Rose Camacho	#2 Kalinisan St., K.A.	Housekeeper
8. Virgie del Socorro	Kalusugan St., K.A.	Bag Maker
9. Herminia Briones	Kalusugan St., K.A.	Fruit Vendor
10. Violy Hitois	#4 Kalusugan St. K.A.	Sewer
11. Rey Parrenas	121 Laurel St. F. Park 6	Electrician
12. Lourdes Maqui	Masaya St., F. Park 2	Housekeeper
13. Percle Tatel	Freedom Park V	Vendor
14. Tony Bernardo	26-D Kalayaan D	Driver
15. Emilia Mabanta	Freedom Park V	Housewife
16. Amado Brangaza	26 D Kalayaan D	Driver
17. Edwin Rojas	Freedom Park V	Vendor
18. Romeo Teston	#8 Kalayaan D	Painter
19. Abraham Varias	Freedom Park V BH	Const. Worker
20. Gemma	18 IBP Road BH	Manicurista
21. Dr. Elias Gamboa	12-B Filinvest Road	Physician
22. E. Reynaldo Estipona	LGU-QC	OIC-Dist II B, .
23. Frederika Rentoy	LGU-QC	Chief, Task F. Clean & Green
24. Eulalio Dawat	4 Kalayaan D.	Jobless
25. Pancrasio Suela	Kalayaan B. Kaibigan St.	Carpenter
26. Sergio Atienza	29 KB B.H.	Jobless
27. Nilda Villas	KB St.	BDDO Coord.
28. Diosdado Danico	KB Kabutihan St.	Madon-Carpen.
29. Ricardo P. Nueva	Gulod St., K.B.	Jobless
30. Victoria Callueng	Purok Kagandahan St.	Vendor
31. Evangeline Aborita	Bgy. Traffic Aide	Kapatiran St., KB
32. Marcelino Dobra	KB, Dispatching Office	Mgr. Transtar

33. Santiago Dulza	Alley St. KB	Driver
34. Florencia Lovedoria	KB St.	Vendor
35. Eduardo Diesta	9 Kalayaan B.	Driver
36. Jose Guerro	Kalayaan B.	Mason
37. Mike Galicia	#3 KB, BH	Driver
38. Leonardo Quenan	2nd St. KB	Driver
39. Jolly Tam-boon	Kalayaan B.	Mason
40. Adjutor Lozano	KB	Barber
41. Jose Guanzon	KB	Pipe fitter
42. Esteban Espenansin	27 Kalayaan C. St.	Cook
43. Renato Ortiz	KC St., BH	Baker
44. Marlon Marmolejo	Kalayaan C.	Vendor
45. Corazon Ortega	KC Ext. (Libis)	Purok Leader
46. Mario Casilag	#41 Kalayaan C. Ext.	Pedicab Oppt.
47. Saturian Gaylon	#32 Kalayaan St.	Jobless
48. Joselito dela Cruz	Kalayaan C. Ext.	Jeepney Driver

#### **MMDA**

1. Elsie Encarnacion
2. Rachel Sangalang
3. Connie Astorga
4. Raquel Lometillo

#### **JICA**

Mr. Kusunuki  
Mr. Suzuki

## MEMORANDUM OF AGREEMENT

This MEMORANDUM OF AGREEMENT, hereinafter referred to as "MOA" made and executed this 11<sup>th</sup> day of March 1998 in Quezon City by and between:

- 1) The Quezon City Task Force Clean and Green (hereinafter referred to as "Task Force"), a local government office at the Republic of the Philippines, with office address at the Quezon City Hall, Kalayaan Avenue, Quezon City (herein represented by its Chief Operating Officer, FREDERIKA C. RENTOY) and
- 2) TRANSTAR Corporation (hereinafter referred to as the "Contractor"), a private corporation engaged in garbage hauling services, with office address at Sumulong Highway, Antipolo, (herein represented by its Vice President, MANUEL DE DIOS) on the one part and
- 3) JAPAN INTERNATIONAL COOPERATION AGENCY MASTERPLAN STUDY FOR SOLID WASTE MANAGEMENT FOR METRO MANILA (hereinafter referred to as "JICA, Study Team"), an international organization with office address at MMDA Bldg., Orense St., Makati, Metro Manila.
- 4) The Batasan Hills Barangay (Kalayaan B) Government, (herein referred to as the Barangay) represented by its duly elected Barangay Captain, Hon. Manuel Laxina, and
- 5) Residents of Kalayaan B, Barangay Batasan Hills, (herein referred to as the "Residents") represented by Jose Guerrero.

### WITNESSETH

Whereas, waste management has always been a problem for most cities and municipalities in Metro Manila, including Quezon City, with its more than two (2) million population generating an average of 1,500 tons of garbage per day;

Whereas, it is a fact that as the population and economic activities of the City grow, the problem on solid wastes also grows so that it is imperative

for the City to set as one of its highest priorities the Improvement of waste collection and disposal to enhance the quality of life of the citizenry;

Whereas, the City, in its desire to carry out an environmentally sound and cost efficient solid waste management program, is tapping all sectors to participate in the over-all Solid Waste Management Program of the City, including the community;

Whereas, despite efforts to attain a 100% efficiency in garbage collection, there are areas in the City which are inaccessible making garbage collection impossible.

Whereas, JICA, has signified its intention to collaborate effectively with the City's drive for a clean and healthy environment, thru the implementation of a pilot project on the Improvement of Garbage Collection System in an inaccessible area in the City;

Whereas, said project shall require the full support and cooperation of the City, the private contractor, the barangay and the community in order to carry out said project. In view of this, all parties agreed that specific roles and responsibilities of all concerned shall be drawn up and shall be the basis for implementing this joint project.

Now therefore: For and In Consideration of the foregoing premises and of the following covenants; all parties hereby stipulate to undertake a joint project which will entail the following:

#### I. OBJECTIVES

- 1.1 Establish a regular collection schedule for the contractor and primary collector.
- 1.2 Introduce a primary collection system by the use of pushcarts.
- 1.3 Install communal discharge point (s).
- 1.4 Establish a collection service fee for the primary collectors.
- 1.5 Establish responsibilities of stakeholders.

## II. PLAN FRAMEWORK

- 1.1 The action plan is based on the result of the focussed group discussion and further consultations.
- 1.2 It will commence with a "General Cleaning Day" that will be participated by the residents.
- 1.3 The pilot project will be implemented for a period of \_\_\_\_\_ months. It shall be monitored and implemented.

## III. COMPONENTS

### 1. Discharge by Household

Frequency : MWF  
Time : 7:00 - 9:00 a.m.  
Place : front of premises  
Container : plastic bag, sack, etc.

### 2. Collection by primary collectors

Frequency : MWF  
Time : 7:00 - 9:00 a.m.  
Collection System : door-to-door (curb side coll.)  
Collection route : inaccessible streets in the area  
each collector covers a specific area  
Discharge points : Communal Storage  
Equipment : Pushcart, stick broom, shovel

### 3. Communal Storage

Size  
Material:  
Steel gates (lockable)  
Place:

### 4. Collection by Local Government

Frequency : MWF  
Time : 10:00 a.m.  
Collection : point collection, stationary  
Place : Communal Storage  
Along Kalayaan B St.

5. Institutional System

Collection Service Fee : P1.00 - P3.00/ day Voluntary  
Barangay Truck  
Quezon City


6. Responsibilities/Accountabilities

6.1 Residents

- \* Store and discharge waste according to collection schedule.
- \* Keep premises clean at all times.
- \* Voluntarily give P1.00 - P3.00 to the primary collector
- \* Participate in the "Clean -up Day" that will kick-off implementation of the pilot project

6.2 Barangay Officials

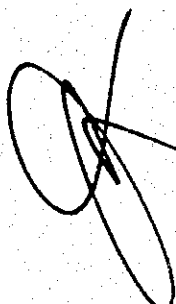
- \* Appoint five (5) primary collectors and issue identification card.
- \* Pay the five (5) primary collectors on a monthly basis.
- \* Prepare contract with primary collectors defining responsibilities.
- \* Inform all the residents of the household waste discharge method, frequency, and time.
- \* Encourage the residents to give the primary collectors "financial tokens" each time the household waste are collected.
- \* Decide the management system of pushcart and communal discharge points. (responsible person, maintenance, repair, inspection, proper use). This should be contained in the contract.
- \* Secure the acceptance of the residents living near the communal discharge points.

- 
- \* Monitor the implementation of the new collection system.
  - \* Support the "Clean -up Day" activity and ensure participation of all residents.
  - \* Enforce existing ordinances on anti-littering (MMDA regulations 96-009) and others that affect collection system, i.e. traffic rules



### 6.3 Primary Collector

- \* Provide a reliable collection work on schedule, adequate coverage of route, proper handling of collected waste.
- \* Operate and maintain pushcarts and discharge points: maintain cleanliness of equipment/storage facility and avoid having them stolen/vandalized.
- \* Use pushcart for garbage collection only.
- \* Look clean (wear ID and handgloves) and behave well (dont demand payment) during worktime.

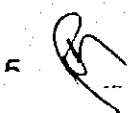


### 6.4 Residents Nearby Communal Storage

- \* Accept installation of facility
- \* Monitor cleanliness, maintenance of facility
- \* Report to Bgy. Officials mismanagement of facility



### 6.5 LGU (Task Force Clean and Green)

- 
- \* Dedicate a collection truck for the pilot area.
  - \* Provide regular collection service. Keep schedule.
  - \* Maintain road-worthliness and cleanliness of truck.
  - \* Provide necessary paraphernalia of truck (if open dumptruck, include tail-gate and garbage cover)
  - \* Support the "Clean-up Day" by providing equipment (stick broom and garbage bags: snack/drinks), and sending staff to participate.

6.6 Contractor

- \* Provide regular collection service. Keep schedule.
- \* Participate in the "Clean-up Day"
- \* Maintain road-worthiness and cleanliness of truck.
- \* Provide necessary paraphernalia of truck (if open dumptruck, include tail-gate and garbage cover)

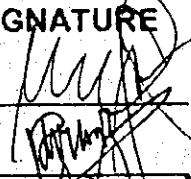


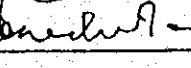

6.7 MMDA provide fifteen (15) river aides personnel and equipment to clean the esteros on "Clean-up Day"

- \* Spearhead the "Clean-up Day" with the JICA and the Barangay officials coordinate the program.

6.8 JICA

- \* Provide five (5) units of pushcart
- \* Install 3 communal storage facility
- \* Supervise and monitor the entire pilot project.

CONFORME OF BARANGAY OFFICIALS, MMDA, JICA,  
TRANS-TAR, LOCAL GOVERNMENT (Pag-sang-ayon ng mga  
kinaaukulan)

	NAME	POSITION	SIGNATURE
1.	MR. MANUEL LAXINA	Barangay Chairman	
2.	MR. ROGELIO U. URANZA	Head, IPDG-SWMO	
3.	MR. KOJI KUSUNOKI	JICA EXPERT	
4.	MR. MANUEL DE DIOS	TRANS-TAR	
5.	FREDERIKA RENTOY	Chief, Oper. Offr. Task Clean and Green	

METROPOLITAN MANILA DEVELOPMENT AUTHORITY  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY

PILOT PROJECT ON  
IMPROVEMENT OF COLLECTION SYSTEM  
BGY. BATASAN HILLS, KALAYAAN B

CLEAN UP DAY PROGRAMME  
*March 11, 1998*  
*Basketball Court, Kalayaan B*

8:00 - 8:30 ASSEMBLY TIME

8:30 - 8:40 OPENING CEREMONY

- \* *National Anthem*
- \* *Invocation*

8:40 - 9:00 Welcome Remarks - Capt. Manuel Laxina

Introduction of Project - Dir. ROGELIO U. URANZA  
Head, Infra Planning Dev't. Group

Mr. KUSUNOKI - JICA

9:00 - 9:15 Introduction of Guest Speaker - Capt. Manuel Laxina

Speech of Guest Speaker - Hon. ISMAEL A. MATHAY, JR.  
Mayor, Quezon City

9:15 - 9:20 Acceptance / Response - Resident of Pilot Area

9:20 - 9:30 Kick-Off Ceremony

9:30 - 9:40 Briefing on Assignments

9:40 - 12:00 CLEAN - UP TIME

12:00 - 12:45.....*LUNCH BREAK*.....

12:45 - 2:00 CLEAN - UP TIME

2:00 - 2:30 INSPECTION OF STREETS

2:30 - 3:00 Distribution of T-Shirts

3:00 PM END OF CLEAN - UP DAY

EMCEE : ELSIE I. ENCARNACION - MMDA

**ACTIVITIES DURING THE CLEAN-UP DAY**  
**MARCH 11, 1998, 8:00 A.M. - 2:00 PM**  
**BARANGAY BATASAN HILLS, KALAYAAN, QUEZON CITY**

1. The General Clean-up in Quezon City, Barangay Batasan Hills, Kalayaan B, started as early as 7:00 a.m. in the morning when the LGU's street sweepers started sweeping the area.
2. The project was launched in the program graced by Mayor Ismael Mathay, Jr. and Councilor Connie Angeles, Bgy. Officials, Bgy. Staff, JICA/MMDA Study Team, MMDA Officials, MMDA Riveraide, LGU Officials, LGU's Street sweepers LGU's enforcers, and residents.
3. The clean-up day was started by Mayor Mathay and Councilor Angeles when they throw the first plastic bag of garbage to the pushcarts.
4. The participants proceeded to their respective areas of assignment. Two Purok leaders were assigned in every corner to monitor the operations.
5. The five (5) primary collectors made three (3) trips each in collecting and hauling the garbage from the household using the push carts to the three (3) collection trucks provided by Transtar, Barangay and LGU.
6. The communal bay was not used during the clean-up day.
7. T-shirts, sacks, brooms were provided to the participants/residents.
8. Lunch provided by JICA study team.

11. The hand gloves were not worn by the primary collectors;
12. Plastic container were not used by some of the residents to store their garbage;
13. Bulky wastes such as big drums were received from the residents by the primary collectors ;
14. The primary collectors were given money by some of the residents and;
15. Dr. Elias Gambao supervised the collection activities of the primary collectors.

March 17 : Delivered the movable collection bays.

## **PILOT PROJECT COLLECTION IN BGY. COMMOWEALTH KALAYAN B & C, QUEZON CITY**

### **CHRONOLOGY OF ACTIVITIES**

February 3, 1998

- \* Initial meeting with bgy. official with the help of the LGU Official (F. Rentoy and site inspection Bgy. Batasan Hills and Bgy. Old Balara.(Mr. Kusunoki, C.Leite, Rachel, Rentoy, Estipona, Bgy. Chairman, Manuel Laxina)
  - Met some purok leaders in the area.
  - gathered data base for planning
  - discuss project concept and objectives
  - arrange tentative schedule of succeeding meetings/activities

February 5, 1998

- \* Bgy. Batasan Hills

February 13, 1998

- \* Kalayaan B & C site inspection together with the 3 surveyors of Woodfields Consultants. Kusunoki will decide what area will be included in the pilot project. After Q.C. went to Malabon (Bgy. Captain) to introduce also the 3 surveyors and check the available space/area for coming workshop.

February 19, 1998

- \* Focused Group Discussion/Workshop

February 26, 1998

- \* JICA ( K. Kusunoki) decided that Kalayaan B only will be the pilot area. Went to techies office-LGU regarding pilot selection and asked her to prepare an agreement (MOA)from Q.C. Lgu accepting their responsibilities with regards the Pilot Project.
- \* Site inspection along Kalayaan B for the propose communal bay

March 2, 1998

- \* Ms. Tetchie Rentoy confirmed that Mayor Mathay will attend the Clean-up day. Prepared Program with Ms. Rentoy

March 3, 1998

- \* Followed-up MOA with Ms. Rentoy

March 4, 1998

- \* Ms. Rentoy signed MOA (QC Task Force C & G Office).
- \* Chairman Laxina signed MOA at BOC Office, QC City Hall,

March 5, 1998

- \* Met with Ms. Rentoy (C & G Office) and Chairman Laxina (Bgy. Office) to finalize arrangement about the General Clean-up Day scheduled on March 11, 1998.

March 6, 1998

- \* Accompanied Francis of Woodfields to the selected site for communal bay.
- \* Arranged meeting of Capt. Laxina. Francis and Kusunoki on Sunday morning thru telephone.

March 8, 1998

- \* Chairman Laxina, Francis (Woodfileds) and Mr. Kusunoki met to discuss construction of collection bay.

March 9, 1998

- \* Delivered invitation/programme (for the clean-up day) to Dr. Gamboa at Capt. Laxina's office.

March 11, 1998

- \* Clean up day  
Visitors :  
Mayor Mel Mathay, Councilor Connie Angeles, Mr. Manuel de Dios-Vice President. Transtar, Dir. Rogelio Uianza, Mr. Gilbert Advincula, Ms. Tetchie Rentoy, Ms. Aida, Ms. Junku, Mr. Anai, MMDA Counterpart and Engr. Estipona. (see attachment)

March 12, 1998

- \* We went to Batasan Hills to check if the movable container was delivered. It was not.
- \* Waited for Dr. Medina at the steel factory along commonwealth. Went to the factory (waited for Dr. Medina) regarding the moveable container.

March 13, 1998

- \* Checked wether big container was delivered. It was not delivered
- \* Met Dr. Gamboa and 5 primary collectors regarding collectors route. Dr. Gamboa provided us with updated map of Kalayaan B. Bgy. Batasan Hills.
- \* Followed-up collectors' ID at Capt. Laxina's office

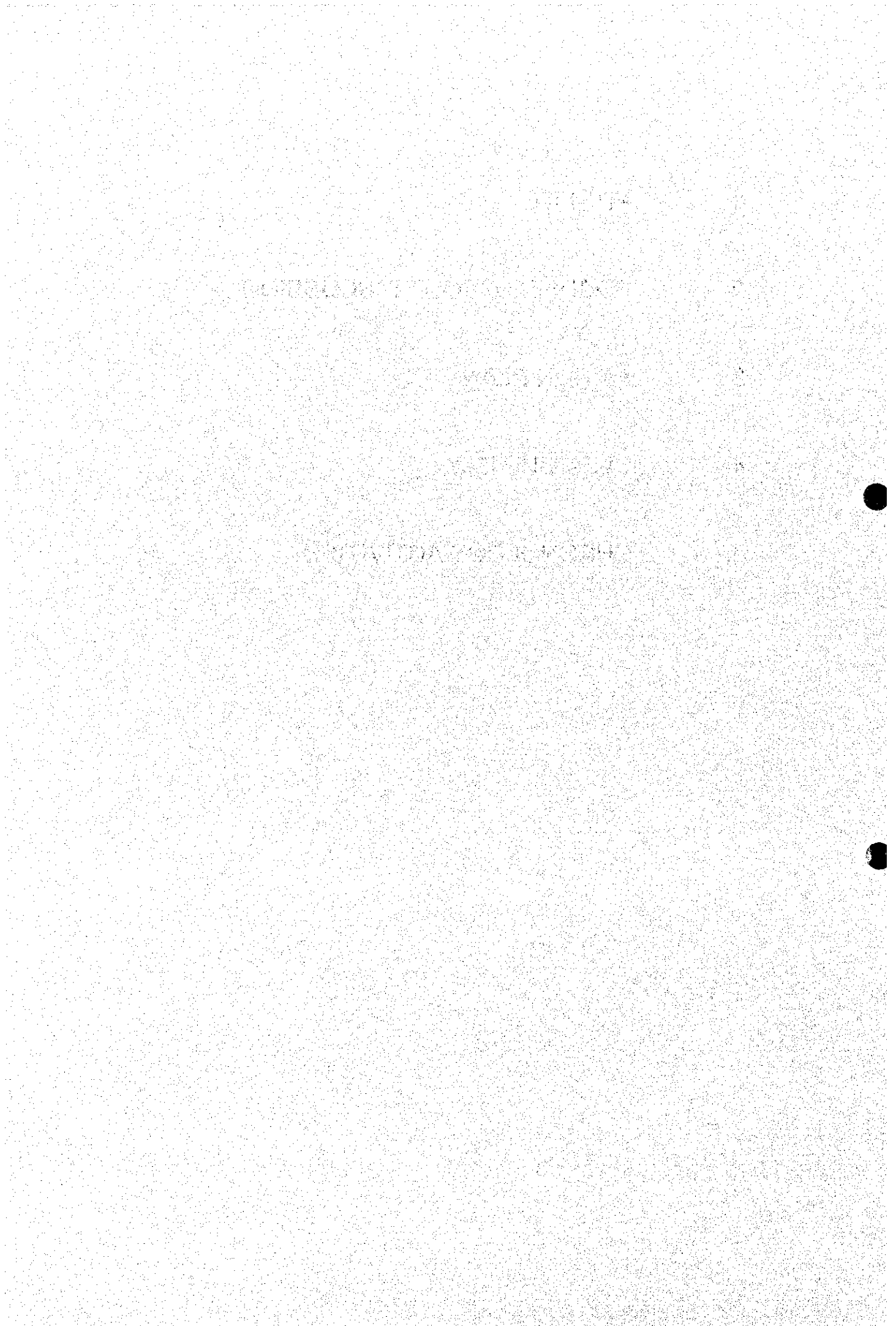
**March 16, 1998**

**FINDINGS/OBSERVATION MADE AFTER  
CLEAN-UP**

1. The big movable container is not yet delivered by Woodfields consultants;
2. No collection was made March 13, 14, 15, 1998 as agreed by Dr. Gamboa and the five (5) primary collectors. Proper arrangements on route assignments were finalized March 13, 1998;
3. This resulted in an increase of garbage to be collected by the primary collectors;
4. The small movable container, which is placed at the IBP road, can accommodate three (3) pushcart loads of garbage only;
5. The fixed communal bay has reached its full capacity already;
6. As a result, garbage pile-up is observed scattered around the small movable container and the fixed communal bay;
7. Transtar, the private contractor assigned in the area, sent a 5M3 dumptruck at 10:30 am, March 16, 1998. The private contractor made three (3) round trips collecting garbage, the capacity of which is equivalent to two (2) trucks from fixed communal bay and one (1) truck from IBP road;
8. The barangay-owned dumptruck (5m3 capacity) also hauled garbage from the communal bay to Payatas and made one (1) trip in the process;
9. The five (5) primary collectors completed their task after 10 a.m.
10. They are complaining about the weight of the push carts;



1. PROFILE
2. FOCUSED GROUP DISCUSSION
3. ACTION PLAN
4. CLEAN-UP DAY
5. CHRONOLOGY ACTIVITIES



## **PROFILES OF SELECTED SITES**

### ***BARANGAY BAYAN-BAYANAN, MUNICIPALITY OF MALABON***

Barangay Bayan-bayanan is situated on the western side of Malabon. It is bounded by General Luna St., a major thoroughfare, at the West, Rodriguez (boundary of Bgy Hulong Dagat) at the North, Dampalit River at the East, and Bgy. Baritan at the South.

Perpendicular to Gen. Luna St. are 4 main roads from which "Alleys" are connected. The main roads are 2 to 1.5 meters wide and are inaccessible to regular collection dump trucks. The alleys are narrower, about less than 1 meter width.

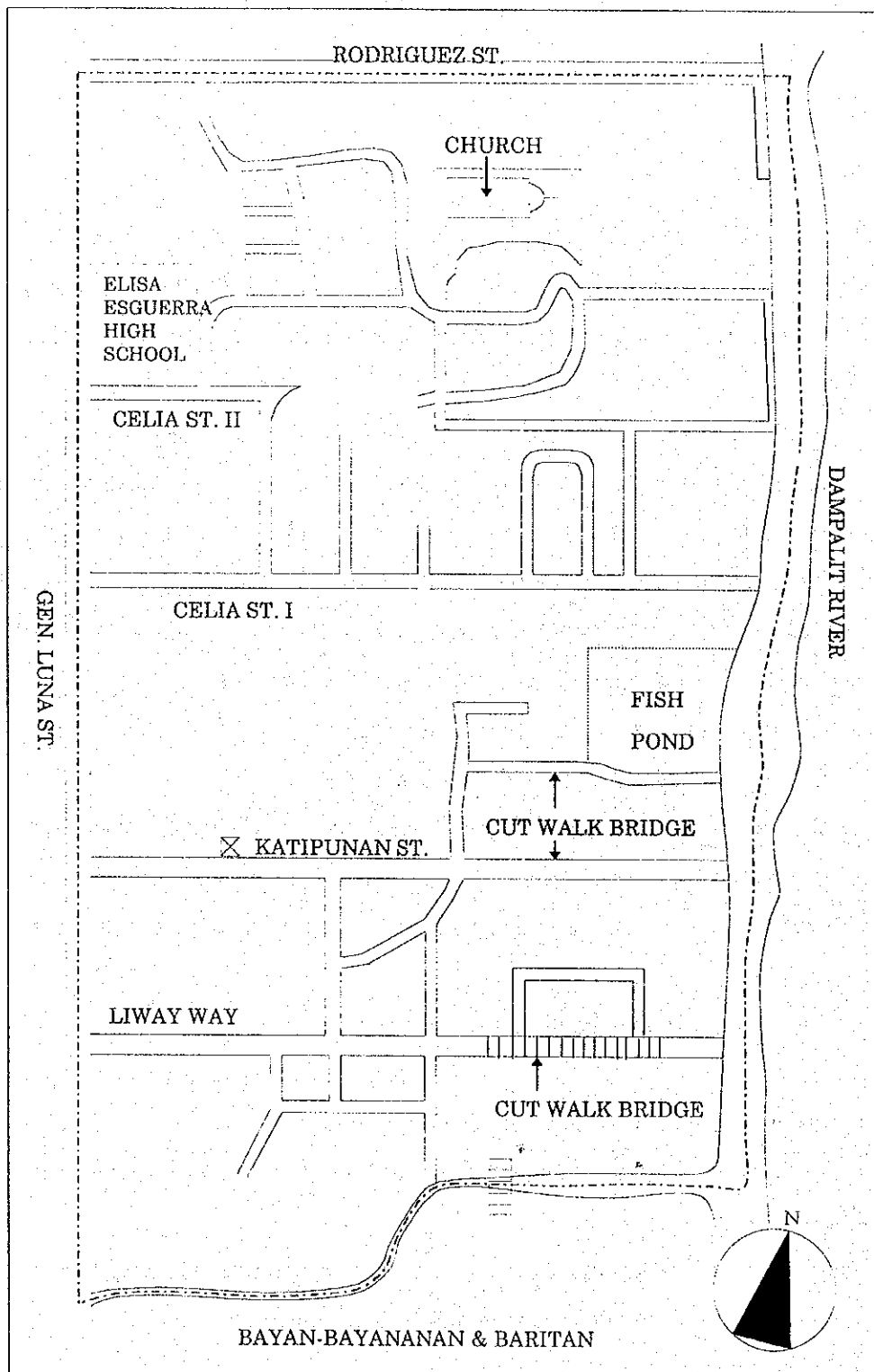
Bgy. Bayan-bayanan has an area of 8.49 has owned by the LGU, the smallest in the municipality. It has a population of 7,300 (1995 NSO) ranking 18th in the municipality. It is considered the densest barangay in the whole of Malabon.

Most of the dwelling structures closest to the major thoroughfare, Gen. Luna St., are single detached and sanitary conditions better.

Along alley towards the Dampalit River, houses can be reached through wooden plank bridges where houses of inferior structures are attached to each other. Under these houses are accumulated garbage mixed in murky water. The water rises during high tide.

The Dampalit River is polluted. It is used as the septic tank of "common toilets" in the area. Within the barangay near the barangay hall under construction between Celia St. I and Katipunan st. near the Dampalit River is a body of water that used to be a fishpond. It is now almost surrounded by houses and contains a large amount of garbage.

Normally, the houses along the alleys could not be reached by pushcarts. Residents find it convenient to throw their garbage under their houses.



**METROPOLITAN MANILA DEVELOPMENT AUTHORITY  
AND  
JAPAN INTERNATIONAL COOPERATION AGENCY**

**FOCUSED GROUP DISCUSSION ON  
IMPROVEMENT FOR COLLECTION SYSTEM  
(Pilot Project)**

**BARANGAY BAYAN-BAYANAN  
MUNICIPALITY OF MALABON  
February 21, 1998**

**8:30 - 9:00 REGISTRATION**

**9:00 - 9:30 Opening/Welcome Remarks**

- |    |                           |   |                      |
|----|---------------------------|---|----------------------|
| a. | <i>Mr. Clemente Felix</i> | - | <i>Bgy. Chairman</i> |
| b. | <i>Dir. Rogello Uanza</i> | - | <i>MMDA</i>          |
| c. | <i>Mr. K. Kusunoki</i>    | - | <i>JICA</i>          |
| d. | <i>Ms. D. de Galicia</i>  | - | <i>LGU</i>           |

**9:30 - 9:45 INTRODUCTION**

- |    |   |
|----|---|
| a. | <i>Purpose of Workshop</i>                          |
| b. | <i>Introduction of Participants<br/>(MMDA/Bgy.)</i> |

**9:45 - 11:30 WORKSHOP  
(Identification of Issues, SWM Concerns,  
Options and Alternatives)**

**11:30 - 12:30 ..... LUNCH BREAK.....**

**12:30 - 2:00 WORKSHOP ( Stakeholders Analysis)**

**2:00 - 2:30 SUMMARY AND AGREEMENTS**

**2:30 .....BREAK.....**

**Moderator : ELSIE I. ENCARNACION - MMDA**

## **FOCUSED GROUP DISCUSSION IN THE PILOT SITES**

**Barangay Bayan-bayanan, Municipality of Malabon**

**February 21, 1998 (Saturday)**

### **ATTENDANCE**

Forty-six residents attended the workshop, 6 more than the targeted number, 69% of whom were females. Breakdowns of participants is as follows:

a. Housewife	-	12
b. Jobless	-	8
c. Bgy. Officials	-	6
d. Vendor	-	4
e. Driver	-	3
f. Store Owner	-	3
g. LGU Rep.	-	2
h. Trainor	-	1
i. St. Sweeper	-	1
j. NGO	-	1
k. Carwash Boy	-	1
l. Student	-	1
m. Secretary	-	1
n. Sewer	-	1
o. Seaman	-	1
		====
Total . . . . .		46

### **ISSUES RAISED**

- \* Because of the large amount of garbage, the street sweeper/collector cannot collect all in a day so that residents have to pay other boys to take the waste to the main street on temporary dumping area .
- \* The accumulation of waste is also caused by irregular schedule of collection.
- \* Lack of discipline and knowledge about proper management of waste as manifested by dumping at canals and burning. Also while in transit to the storage area across the barangay center, garbage collected by pushcart drop on the streets.

- \* Garbage in the murky water under the houses that are constructed too close to each other emit very bad odor.
- \* Lack of storage bins where litters could easily be put.
- \* Lack of sufficient development in the community regarding SWM
- \* Animal wastes are littered on Streets.
- \* Lack of information on waste segregation.

## **SOLUTIONS**

- \* Provide additional pushcarts and garbage collectors/streetsweepers in small streets.
- \* Store waste properly. Households should place them in plastic bags and maintain cleanliness of their area including removal of garbage under the houses.
- \* Provide a covered container/bin for every household, or a drum for 5 or more houses.
- \* Time for collection should be fixed and sufficient to allow all to bring out their stored waste.
- \* Households conduct a general cleaning.
- \* Conduct Workshop on market waste (refer to TLRC)
- \* Cover the swampy area under the houses with soil.
- \* Enforce existing laws on anti-littering, stray dogs and illegal dumping particularly throwing garbage into the esteros.

**Vision :** *Malinis, Mabango at kaayang-ayang kapaligiran Bayan-bayanan*

## **STAKEHOLDERS**

The stakeholders have been identified by the participants and recognized that each has an important role to play.

### ***Residents***

Residents are the waste generators they should :

- \* Segregate their garbage
- \* Wait for the garbage collector
- \* Wrap pampers properly
- \* Follow ordinances regarding Solid Waste
- \* Maintain cleanliness in their community
- \* Voluntary pay P2.00 to P3.00 per plastic bag of garbage to the garbage collector.

### ***Primary Collector***

- \* Collect at least 3 x a week
- \* Should look neat and with ID
- \* Receive voluntary payment of P2.00 to P3.00 for every plastic bag of garbage.

### ***Barangay Officials***

- \* Take the lead in the implementation of the project in the community.
- \* Enforce existing relevant laws/ordinances.
- \* Monitor the daily activities of the project.
- \* Give proper sanctions to residents who are not cooperating.

### ***LGU***

- \* Should support the project
- \* Should monitor the Barangay activities/project.
- \* Provide the main vehicles for collection of garbage and collect regularly

***NGO/Religious/civic group/school institution***

- \* Advocacy effort/training/monitor
- \* Disseminate information regarding sanitation.

**CONSENSUS**

- \* That residents are requesting pushcart in narrow st;
- \* That they are willing to pay P2.00 to P3.00 pesos per plastic bag of garbage;
- \* That they are willing to have a general cleanup day wit the help of all agency concerned;
- \* Fixed time for collections of garbage at least 2 to 3 time a week;
- \* Look for a new collection point;
- \* That they need additional primary collectors/sweepers.
- \* Enforce all ordinances, (Regulation 96-009-anti littering law, PD 825);
- \* Integrate all their issues/solutions into an action plan, this action plan will be presented to the officials and disseminate to the resident and all the stakeholders.

**WORKSHOP ON IMPROVEMENT OF GARBAGE COLLECTION SYSTEM****Barangay Bayan-Bayanan, Municipality of Malabon****February 22, 1998, 8:30 a.m. - 3:30 p.m.**

NAME	ADDRESS	LIVELIHOOD
1. Dolores Juat	118 Liwayway St.	Housewife
2. Rebecca Ongie	118 Liwayway St.	Housewife
3. Jovy B. Ocsebio	49 Liwayways St.	Vendor
4. Graciano Mendoza	14 Katipunan St.	Driver
5. Teresita Olaer	15 Katipunan St.	Vendor
6. Anita Mendoza	14 Katipunan St.	Housewife
7. Sonia A. Mistula	14 Katipunan St.	Housewife
8. Carlo Dela Cruz	Bayan-bayanan St.	Jobless
9. Fruto Penafior	143 Celia II St.	Trainor
10. Clemente Felix	Katipunan St.	Bgy. Chairman
11. Ricardo Cruz	Celia I	Driver Mechanic
12. Ricardo Dy	Liwayway St.	Bgy. Sweeper
13. Modesta Hernandez	12 Katipunan St.	Housewife
14. Oscar Muro	399 Gen. Luna	Pres. NGO (Kasali-Kabayan)
15. Regy de Goma	58 Katipunan	Jobless
16. Danilo E. Javier	Rodriguez St.	Bgy. Kagawad
17. Patrocinio Macali	Celia 2 St.	Bgy. Tanod
18. Ernesto Esparwa	Liwayway St.	Car wash boy
19. Javier Meneses	69 Rodriguez St.	Jobless
20. Crisanto Cruz	53 Leonio St. Celia II	Jobless
21. Yolanda Acid	118 Liwayway St.	Housewife
22. Gloria Joss	Katipunan 2	Fish Vendor
23. Cecilia Eramis	118 Liwayway St.	Sari-sari owner
24. Sylvia T. Onofre	18 Liwayway St.	Housewife
25. Leonora Giccuran	Katipunan Riverside	Housewife
26. Myla Espiritu	Liwayway St.	Student
27. Purita Arella	Katipunan St.	Store Owner
28. Elsa B. Cruz	Celia I St.	Secretary
29. Emelita Aquino	29 Katipunan St.	Jobless
30. Nenita Tulio	28 Katipunan St.	Housekeeper
31. Vangie Rosales	31 Katipunan St.	Jobless
32. Vilma Sevilla	LGU	Employee
33. Alfredo Ignacio	12 Celia 2	Seaman
34. Evy Reloy	34 Liwayway	Vendor

35. Gloria Venuz	31 Katipunan	Housewife
36. Anita Mendoza	14 Katipunan	Housewife
37. Rosalinda Domingo	39 Liwayway St.	Store owner
38. Esmeralda Estimada	42 Katipunan St.	Housewife
39. Alfredo dela Cruz	Celia I	Driver
40. Elisa Dilig	91 Celia St.	Sewer
41. Aristeo Tuazon	Celia II	Jobless
42. Jose A. Tulio	28 Katipunan	Jobless
43. Josephine Eusebio	Celia I	Bgy. Careteaker
44. Levy Flores	76 Celia I	Bgy. Treasurer
45. Guillermo Onofre	18 Liwayway St.	Bgy. Kagawad

#### **MMDA**

1. Elsie Encarnacion
2. Raquel Lometillo
3. Connie Astorga
4. Emma Caldino

#### **JICA**

Mr. Kusunoki  
Mr. Zusuki

#### **LGU**

Bernarditas de Galicia

**ACTION PLAN FOR THE  
IMPROVEMENT OF COLLECTION SYSTEM OF  
BARANGAY BAYAN-BAYAN, Municipality of MALABON**

**I. OBJECTIVES**

- 1.1 Establish a regular collection schedule for the contractor and primary collector.
- 1.2 Introduce a primary collection system by the use of pushcarts.
- 1.3 Install communal discharge point (s).
- 1.4 Establish a collection service fee for the primary collectors.
- 1.5 Establish responsibilities of stakeholders.

**II. PLAN FRAMEWORK**

- 1.1 The action plan is based on the result of the focused group discussion and further consultations.
- 1.2 It will commence with a "General Cleaning Day" that will be participated by the residents.
- 1.3 The pilot project will be implemented for a period of \_\_\_\_\_ months. It shall be monitored and implemented.

**III. COMPONENTS**

**1. Discharge by Household**

Frequency	:	once daily
Time	:	<u>7:00 AM - 9:00 A.M.</u>
Place	:	front of premises
Container	:	plastic bag, sack, etc.

2. *Collection by primary collectors*

Frequency : once daily  
Time : 7:00 - 9:00 A.M.  
Collection System : door-to-door (curb side coll.)  
Collection route : inaccessible streets in the area  
each collector covers a specific area  
Discharge points : Communal Storage  
Equipment : Pushcart, stick broom, shovel

3. *Communal Storage* : Size: \_\_\_\_\_  
Material: Iron steel, iron net  
Steel gates (lockable)  
Place: across Bgy Hall,  
Gen. Luna St.

4. *Collection by Local Government*

Frequency : once daily  
Time : 10:00 A.M.  
Collection : point collection, stationary  
Place : Communal Storage  
Across Barangay Hall  
General Luna St.

5. *Institutional System*

Collection Service Fee : P0.35 per day or  
P10.00/ month

6. *Responsibilities/Accountabilities*

6.1 Residents

- \* Store and discharge waste according to collection schedule.
- \* Should put their garbage in a plastic bag.
- \* Keep premises clean at all times.
- \* Fee for garbage waste at P0.35 centavos/day or P10.00 per month to the primary collector.

- \* Participate in the "Clean -up Day" that will kick-off implementation of the pilot project

## 6.2 Barangay Officials

- \* Appoint six (6) primary collectors and issue identification card.
- \* Prepare contract with primary collectors defining responsibilities.
- \* Inform all the residents of the household waste discharge method, frequency, and time.
- \* Encourage the residents to give the primary collectors "financial tokens" each time the household waste are collected.
- \* Decide the management system of pushcart and communal discharge points. (responsible person, maintenance, repair, inspection, proper use). This should be contained in the contract.
- \* Secure the acceptance of the residents living near the communal discharge points.
- \* Monitor the implementation of the new collection system.
- \* Support the "Clean -up Day" activity and ensure participation of all residents.
- \* Enforce existing ordinances on anti-littering (MMDA regulations 96-009) and others that affect collection system, i.e. traffic rules.

## 6.3 Primary Collector

- \* Provide a reliable collection work on schedule, adequate coverage of route, proper handling of collected waste.

- \* Operate and maintain pushcarts and discharge points: maintain cleanliness of equipment/storage facility and avoid having them stolen/vandalized.
- \* Use pushcart for garbage collection only.
- \* Look clean (wear ID and hand gloves) and behave well (don't demand payment) during work time.

#### 6.4 Residents Nearby Communal Storage

- \* Accept installation of facility
- \* Monitor cleanliness, maintenance of facility
- \* Report to Bgy. Officials mismanagement of facility

#### 6.5 LGU

- \* Dedicate a collection truck for the pilot area.
- \* Provide regular collection service. Keep schedule.
- \* Maintain road-worthiness and cleanliness of truck.
- \* Provide necessary paraphernalia of truck (if open dumptruck, include tail-gate and garbage cover)
- \* Support the "Clean-up Day" by providing equipment (stick broom and garbage bags: snack/drinks), and sending staff to participate.

#### 6.7 Councilor

- \* Accept Installation of facility (Communal Storage)

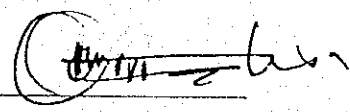
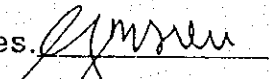

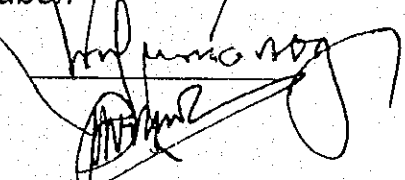
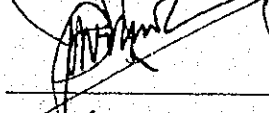

#### 6.8 MMDA provide fifteen (15) river aides personnel and equipment to clean the garbage underneath the house at Celia 2 and dampalit river on "Clean-up Day"

- \* Spearhead the "Clean-up Day" with the JICA and the Barangay officials coordinate the program.

#### 6.9 JICA

- \* Provide five (5) units of pushcart
- \* Install 1 communal storage facility
- \* Supervise and monitor the entire pilot project.

7.0 CONFORME OF BARANGAY OFFICIALS, MMDA, JICA, LGU,  
COUNCILOR(Pag-sang-ayon ng mga kinauukulan)

<u>NAME</u>	<u>POSITION</u>	<u>SIGNATURE</u>
1. Chair. FELIX CLEMENTE CLEMENTE U. FELIX, JR.	Barangay Chairman LGU-Malabon	
2. Coun. EJERCITO AQUINO	Councilor & ABC Pres. LGU-Malabon	
3. MS BERNARDITAS DE GALICIA	Adm. Officer IV, LGU Comm. Affairs-Malabon	
4. MR. ROGELIO "toto" LUMANOG	Supervisor/SWM LGU-Malabon	
5. Dir. ROGELIO U. URANZA	Dir. IPDG-SWMO MMDA	
6. MR. KOJI KUSUNOKI	JICA Expert	

rtl/actb