

# The Road From Manila

A Collaboration of:

**University of Santo Thomas**

**Massachusetts Institute of Technology -SIGUS**

**NGO Gawad Kalinga**

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## Contents:

- Kapitbahayan story
- Tondo story
- Dagat Dagatan story
- Summary



# Oliva & Louie

Kapitbahayan

The Family

- **Their Home**
  - NE corner of Kapitbahayan
  - Near river and courtyard
- **Their Family**
  - 4 adults and 3 children
  - Father is employed by local government and mother is retired
  - “Pioneer” Initial Settlers
  - Still paying-off their house



Their Story

- **Their Community**
  - Advantages:
    - Secure
    - Strong sense of neighborhood
  - Disadvantages:
    - Poor maintenance of common area
    - Flooding



Reflections

# Oliva & Louie

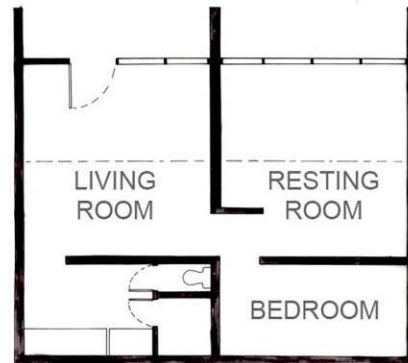
Kapitbahayan

The Family

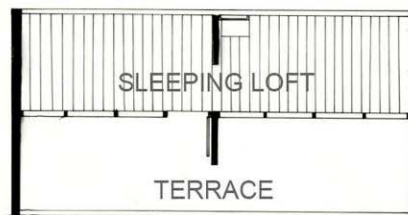
Their Story

Reflections

FLOOR LEVEL ONE



FLOOR LEVEL TWO



1976

Family moved from Tondo, where they lived with the husband's family, to Kapitbahayan with their two children.



2003

Extended and covered floor two terrace as well as divided the lower and top half of residence for son's family

# Oliva & Louie

Kapitbahayan

The Family

- **Family Concerns:**
  - *Tidal Flooding*
  - Deterioration of common areas due to residential neglect and expansion

Their Story

- **Observed Concerns:**
  - *Tidal Flooding*
    - Structural/property damage
    - Mold
    - Destroyed vegetation in public spaces
    - Disease (Dengue Fever)
    - Limits mobility and accessibility
  - Difficult to expand



Reflections



The Family

Their Story

Reflections

### Short-term Alternatives Matrix

Issues	Alternatives	Costs
Flooding	Build door-barriers	Low •Residents supply labor and materials
Health (mosquitoes)	Retrofit surfaces with permeable materials	High •Government removes existing surfaces and replaces with permeable surfaces
	Establish community gardens	Low-moderate •Neighborhood Association establishes and residents maintain
Trash	Establish centralized trash pick-up stations	Low •Government works in conjunction with Neighborhood Association to determine best locations for optimal garbage removal

The Family

Their Story

Reflections

### Long-term Alternatives Matrix

Issues	Alternatives	Costs
Flooding	De-clog drainage	Moderate •Government provides initial de-clogging and routine maintenance and prevention program
	Build city flood walls and dams	High •Government provides flood control infrastructure and maintenance program
Health (mosquitoes)	Improve Government programs	High •Government increases frequency of pest control tactics and treatment programs for mosquito born diseases •Immunizations for dengue
Trash	Establish Recycling Program	High •Government builds recycling infrastructure and implement educational programs
	Regular garbage services	Moderate •Government provides personnel and equipment for routine garbage services

# Ludy

Tondo

The Family

- **Their Home**
  - NE corner of Tondo
  - Near Tondo High School
  - Corner House (on Collector Street and Alley Way)

Their Story

- **Their Family**
  - 12 Adults, 5 Children, 4 Maids
  - Sister of Interviewee is major income source, owns a business
  - Not “Pioneer” Initial Settlers
  - Own their house

Reflections

- **Their Community**
  - Advantages:
    - Secure
    - Stable
  - Disadvantages:
    - None



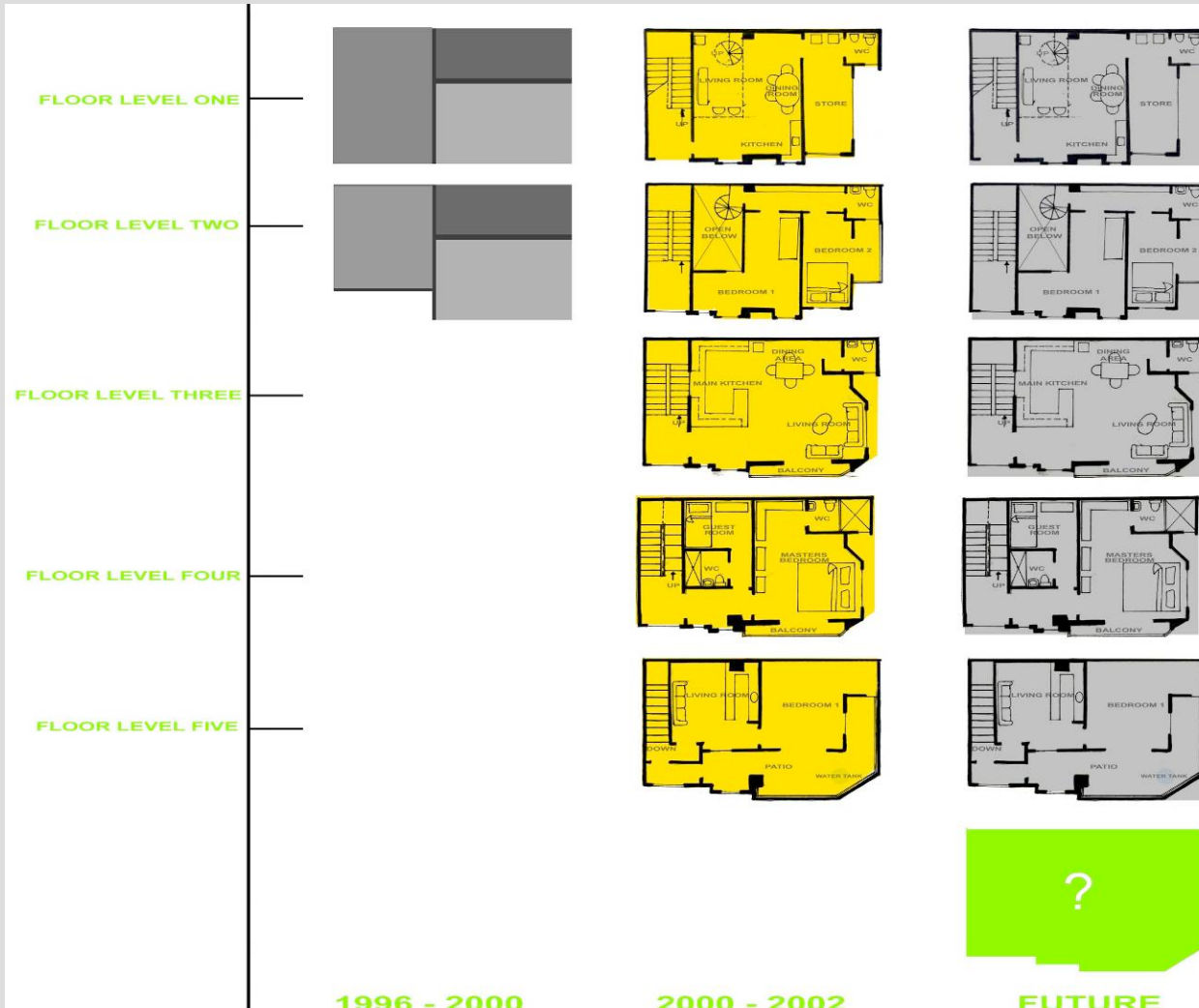
# Ludy

# Tondo

The Family

Their Story

Reflections



Bought home and rented it for income

Demolished original home. Replaced with professionally built structure

Floor level six planned





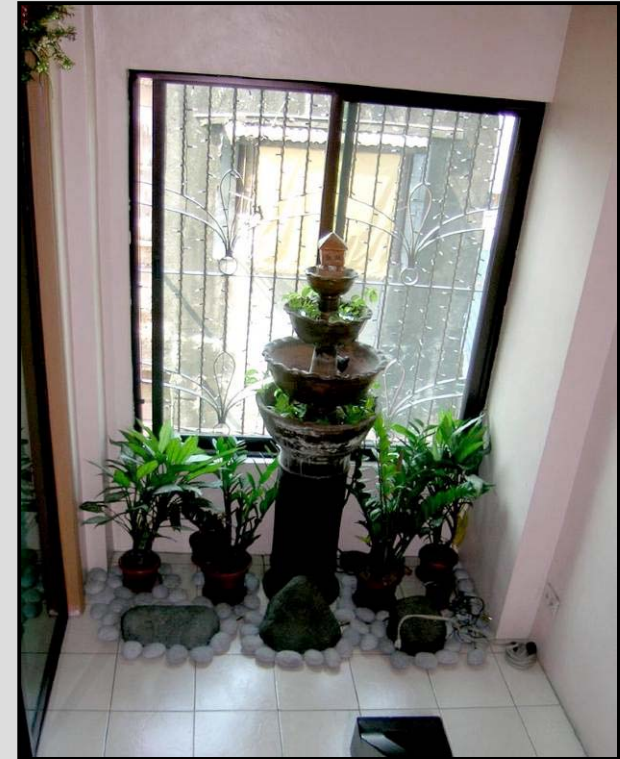
# Ludy

Tondo

The Family

- **Family Concerns:**
  - None
- **Observed Concerns:**
  - None

Their Story



Reflections



# Trinidad

## Tondo

### The Family

- **Their Home**
  - NE corner of Tondo
  - Near Tondo High School
  - Fronting Collector Street

### Their Story

- **Their Family**
  - 3 Adults and 0 Children
  - Mother and daughter run Sari-Sari Store. Son does random odd jobs when available.
  - “Pioneer” Initial Settlers
  - Own their house

### Reflections

- **Their Community**
  - Advantages:
    - Safe
    - Near School
    - Near Market
    - Near Divisoria
  - Disadvantages:
    - None



# Trinidad

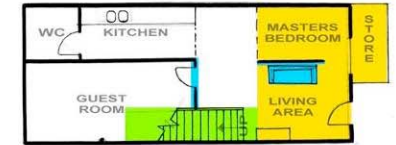
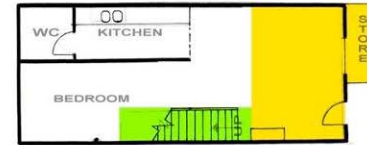
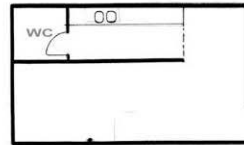
# Tondo

The Family

Their Story

Reflections

FLOOR LEVEL 1



FLOOR LEVEL 2

1974

1984

2000

2005

Moved from Sampaloc to Tondo with six children and no husband

Extended front of house to accommodate Sari-Sari store

Son paid for the extension of a second floor and built it with the labor of other siblings

Added Interior walls to ground level for added privacy

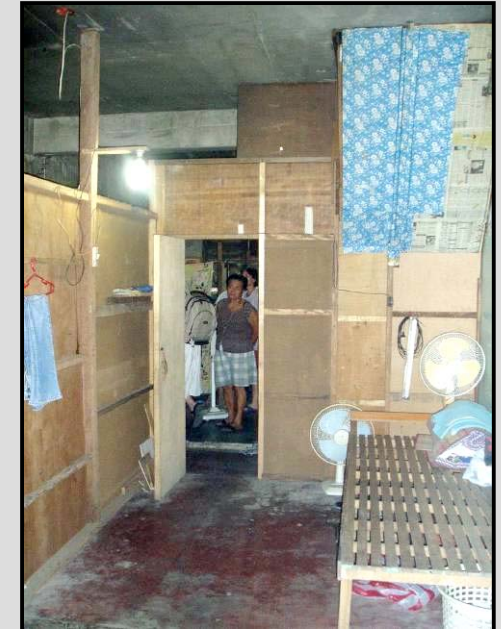
# Trinidad

## Tondo

### The Family

- **Family Concerns:**
  - None
- **Observed Concerns:**
  - Lack of running water
  - Lack of sewage
  - Unemployment
  - Structurally unsound

### Their Story



### Reflections



## Short-term Alternatives Matrix

Issues	Alternatives	Costs
Sewage	Utilize grey water in gardens	Low <ul style="list-style-type: none"> <li>•Neighborhood Association works in collaboration with NGO or Department of Environment to establish grey water reuse educational program</li> </ul>
	Upgrade toilets	High <ul style="list-style-type: none"> <li>•Residents purchase and install modern latrines</li> </ul>
Employment	Create a centralized employment opportunities board	Low <ul style="list-style-type: none"> <li>•Neighborhood Association delineates and communicates location of posting board and promotes usage by employers</li> </ul>

The Family

Their Story

Reflections

## Long-term Alternatives Matrix

Issues	Alternatives	Costs
Sewage	De-clog sewers	Moderate <ul style="list-style-type: none"> <li>•Government provides initial de-clogging and routine maintenance and prevention program</li> </ul>
Employment	Establish job training / apprenticeship programs	Moderate <ul style="list-style-type: none"> <li>•Government provides funding or incentives to businesses that will initiate employment and employment training programs in economically depressed areas</li> </ul>
	Establish community contracting programs	High <ul style="list-style-type: none"> <li>•Government works with Neighborhood Association to establish provision of basic city services by local residents</li> </ul>

# Diday

Dagat Dagatan

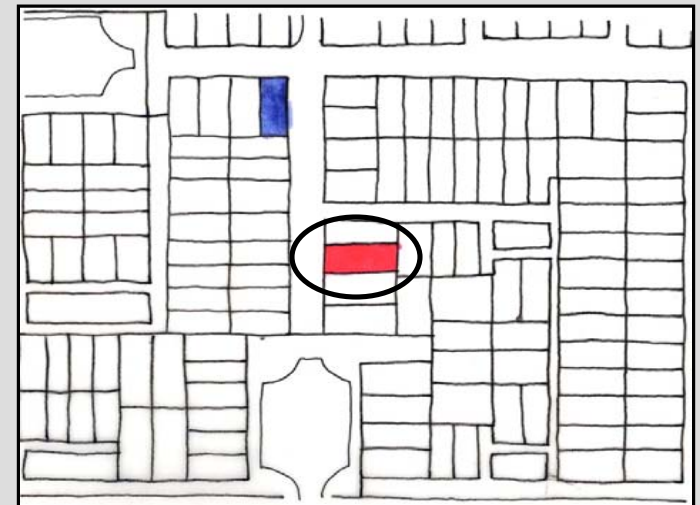
## The Family

- **Their Home**
  - Southwest Corner of Dagat-Dagatan
  - Near a Playground / Parking Lot
- **Their Family**
  - 2 adults and 6 Children
  - Father is employed as operator and mother volunteers with church
  - Pioneer Family
  - Own their house



## Their Story

- **Their Community**
  - Advantages:
    - Safe
  - Disadvantages:
    - Bad influence on Children
    - Noisy due to loud neighbors and pedestrian traffic
    - Flooding



## Reflections

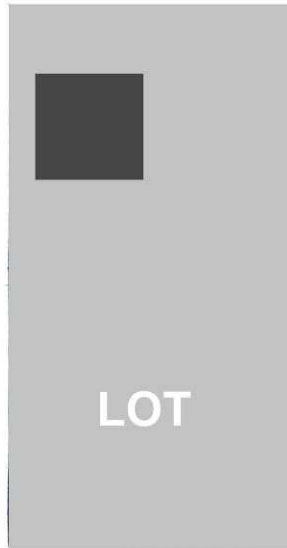
# Diday

Dagat Dagatan

The Family

Their Story

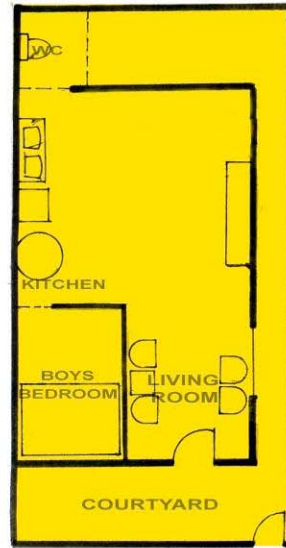
Reflections



LOT

1981

Moved from in-laws house in Binondo to Tabing-tabling structure in Dagat Dagatan. Awarded lot by NHA



1985

Received donated construction materials from foreign agency and built home with aid of siblings



1990'S

Constructed interior room and additional CR for rental income



2006

Converted rental room to room for children due to additional income supplied by children



# Diday

Dagat Dagatan

The Family

- **Family Concerns:**
  - *Flooding*
  - Negative influence of community on children
  - Noise from neighbors and high pedestrian traffic
- **Observed Concerns:**
  - *Flooding*
  - No running water
  - Mosquitoes (Dengue)



Their Story

Reflections



# Diday

Dagat Dagatan

## Short-term Alternatives Matrix

	Issues	Alternatives	Costs
The Family	Flooding	Build Door-Barriers	Low •Residents supply labor and materials
	Plumbing and Sewage	Utilize grey water in gardens	Low •Neighborhood Association works in collaboration with NGO or Department of Environment to establish grey water reuse educational program
Their Story	Noise	Utilize window shutters,	Low •Residents purchase and install window shutters
		Move courtyard entrances to side-streets	Moderate •Residents purchase materials and do own renovations
Reflections	Negative Community Influences on Children	Create education programs	Low-Moderate •Initiated by Neighborhood association
		Establish volunteer daycare	Low •Area Mothers organize to form volunteer daycare
		Establish peer support groups	Low •Initiated by Neighborhood association
Reflections	Health (mosquitoes)	Retrofit surfaces with permeable materials	High •Government removes existing surfaces and replaces with permeable surfaces
		Establish community gardens	Low-moderate •Neighborhood Association establishes and residents maintain

## Long-term Alternatives Matrix

The Family

Their Story

Reflections

Issues	Alternatives	Costs
Flooding	De-clog drainage	Moderate •Government provides initial de-clogging and routine maintenance and prevention program
	Build city flood walls and dams	High •Government provides flood control infrastructure and maintenance program
Sewage	De-clog sewers	Moderate •Government provides initial de-clogging and routine maintenance and prevention program
Noise	Designate recreational areas	High •Neighborhood Association delineates certain spaces and times for recreation
Negative Community Influences on Children	Build educational and recreational facility	High •Government builds infrastructure to support youth services and activities
Health (mosquitoes)	Improve Government programs	High •Government increases frequency of pest control tactics and treatment programs for mosquito born diseases

# Emie

Dagat Dagatan

The Family

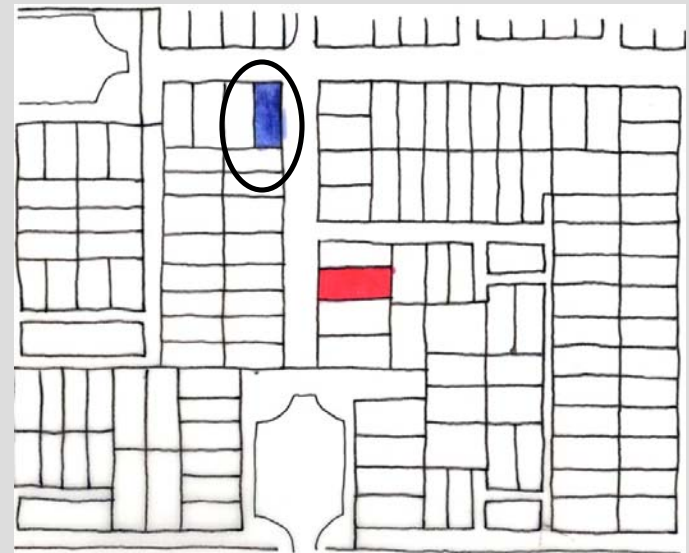
- **Their Home**
  - Southwest Corner of Dagat Dagatan
  - Near a Playground / Parking Lot

- **Their Family**

- 3 adults and 2 Children
- Mother is an entertainer.  
Grandmother runs a sari-sari store  
and grandfather drives a pedi-cab
- Grand Parents were Pioneer Family  
but current household is not
- Own their house

- **Their Community**

- Advantages:
  - None
- Disadvantages:
  - Not Safe
  - Flooding
  - Poor Transportation
  - No Garbage Collection
  - Sewage backup



Their Story

Reflections

# Emie

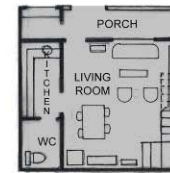
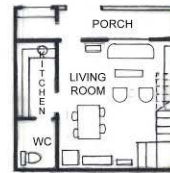
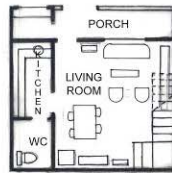
## Dagat Dagatan

The Family

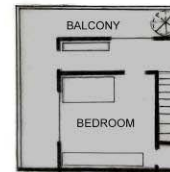
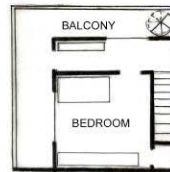
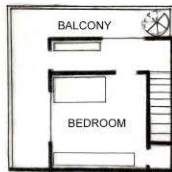
Their Story

Reflections

FLOOR LEVEL ONE

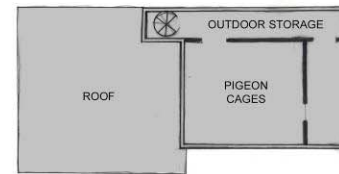
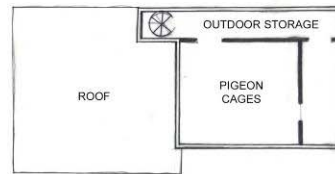
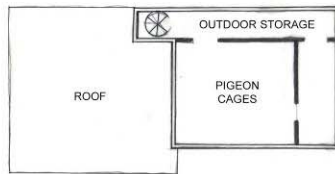


FLOOR LEVEL TWO



+?

FLOOR LEVEL THREE



2002

2003

2004 AND FUTURE

Purchases home in childhood community with income earned from overseas employment

Buys other half of duplex structure for rental income

Plans to purchase another home in area for her children to reside in

# Emie

Dagat Dagatan

The Family

- **Family Concerns:**
  - *Safety*
  - Flooding
  - Poor transportation
  - No garbage collection
  - Sewage backup
  - Illegal utility connections

Their Story

- **Observed Concerns:**
  - *Safety*
  - Narrow streets (congestion)



Reflections



## Short-term Alternatives Matrix

The Family

Their Story

Reflections

Issues	Alternatives	Costs
Flooding	Build Door-Barriers	Low •Residents supply labor and materials
Plumbing and Sewage	Utilize grey water in gardens	Low •Neighborhood Association works in collaboration with NGO or Department of Environment to establish grey water reuse educational program
Negative Community Influences on Children	Create education programs	Low-Moderate •Initiated by Neighborhood association
	Establish volunteer daycare	Low •Area Mothers organize to form volunteer daycare
	Establish peer support groups	Low •Initiated by Neighborhood association
Trash	Establish centralized trash pick-up stations	Low •Government works in conjunction with Neighborhood Association to determine best locations for optimal garbage removal
Traffic Congestion	Establish traffic zones for specific modes of transportation	Low-Moderate •Government designates traffic zones for automotive modes of transportation within residential communities

# Emie

Dagat Dagatan

## Long-term Alternatives Matrix

The Family

Their Story

Reflections

Issues	Alternatives	Costs
Flooding	De-clog drainage	Moderate •Government provides initial de-clogging and routine maintenance and prevention program
	Build city flood walls and dams	High •Government provides flood control infrastructure and maintenance program
Sewage	De-clog sewers	Moderate •Government provides initial de-clogging and routine maintenance and prevention program
Negative Community Influences on Children	Build educational and recreational facility	High •Government builds infrastructure to support youth services and activities
Trash	Establish Recycling Program	High •Government builds recycling infrastructure and implement educational programs
	Regular garbage services	Moderate •Government provides personnel and equipment for routine garbage services
Traffic Congestion	Improve city management and monitoring of streets	High •Government employs more traffic control personnel in high congestion and traffic areas



# Summary

## The Family

- Sense of community over self interest
- Family over individual interest
- Mixed income communities
- Success from children
- Design

## Their Story

- Secure
- Informal community policing
- Courtyards and gardens
- Delineation of private vs. public space
  - establish incentives for its maintenance

## Reflections

