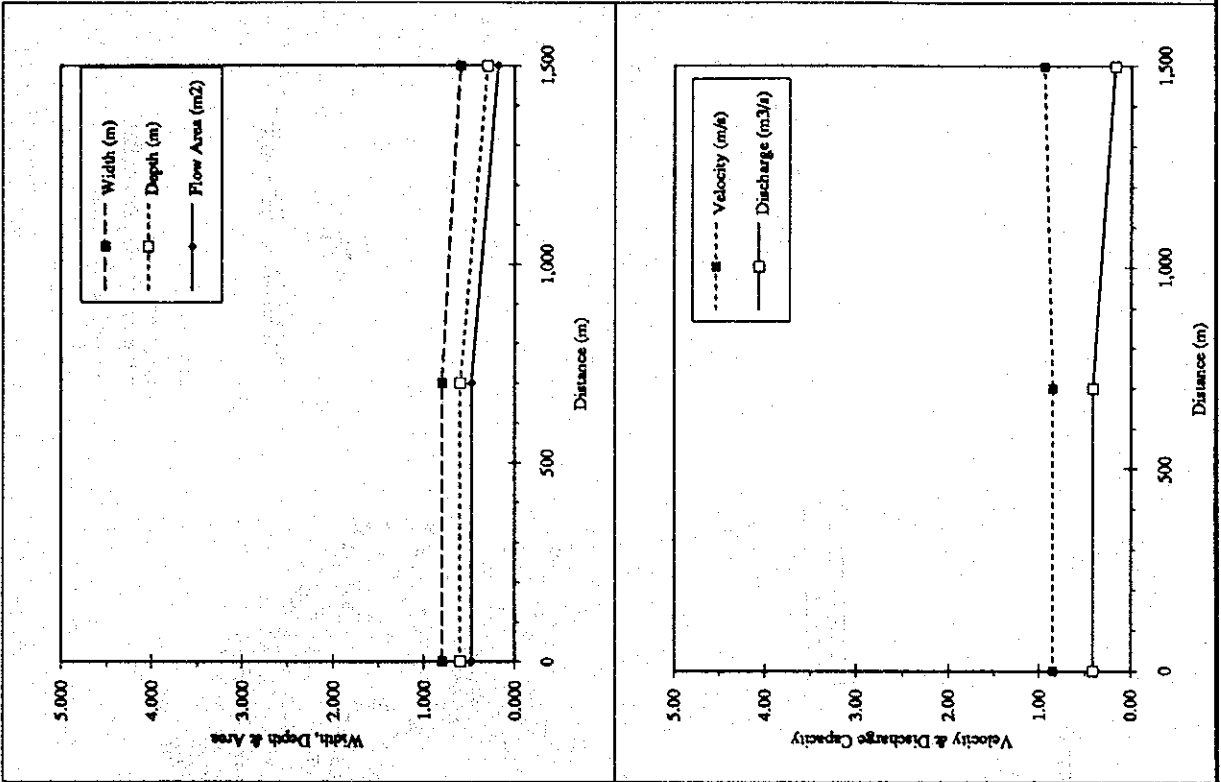
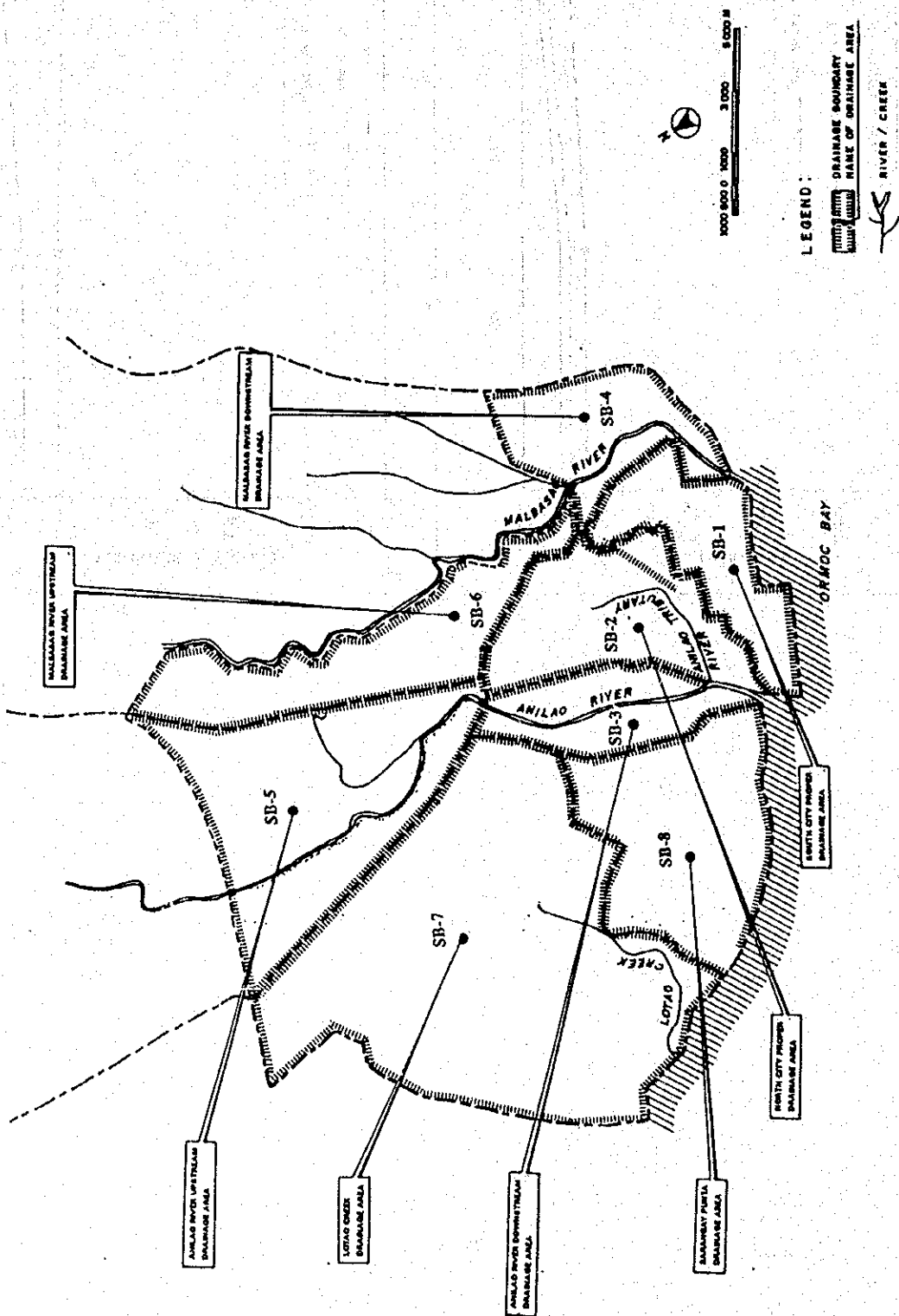


Brangay Inayawan Drainage Channel



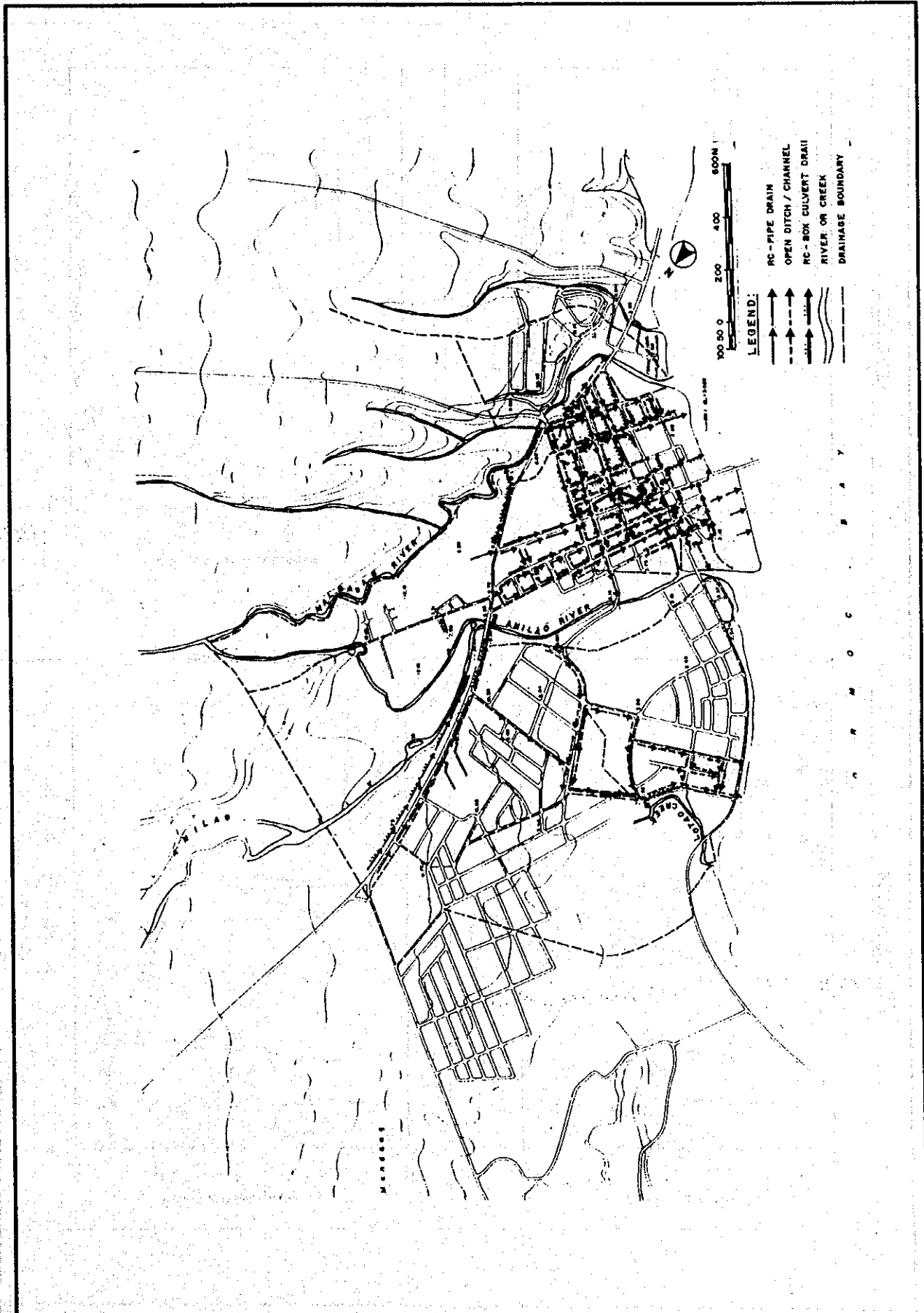
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.6
 Hydraulic Features of Existing Drains, Cebu(5/5)



THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.7
 Delineated Drainage Basin and Subbasin, Ormoc

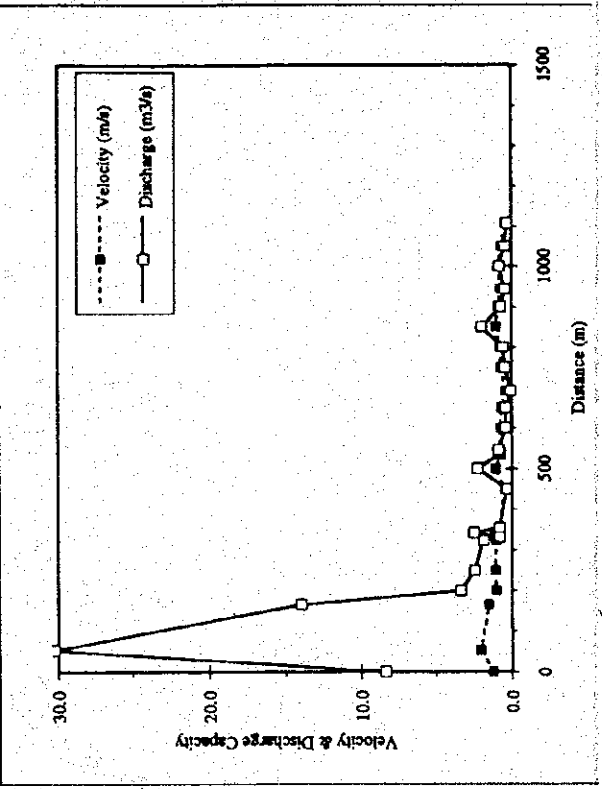
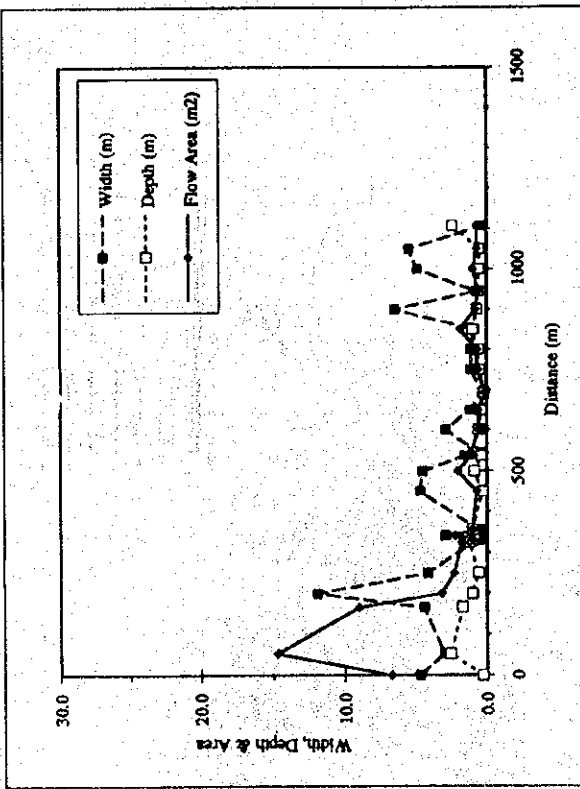


THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS

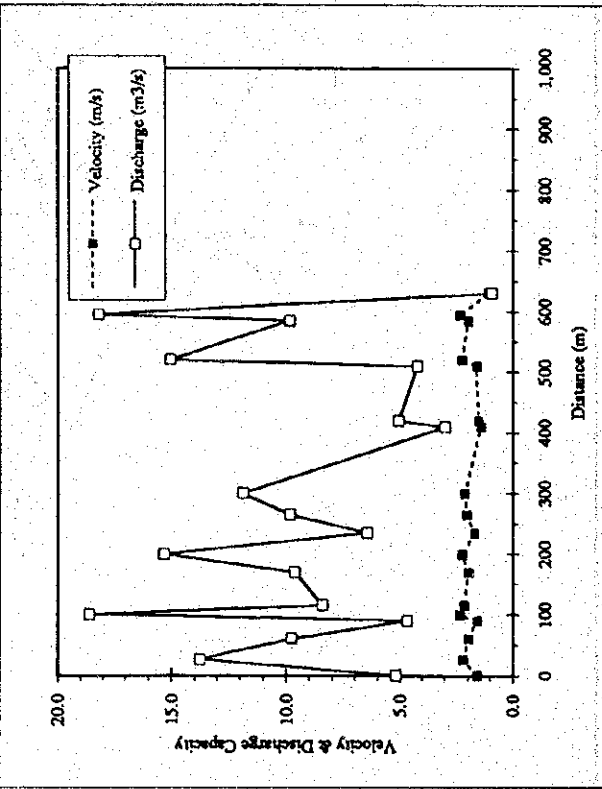
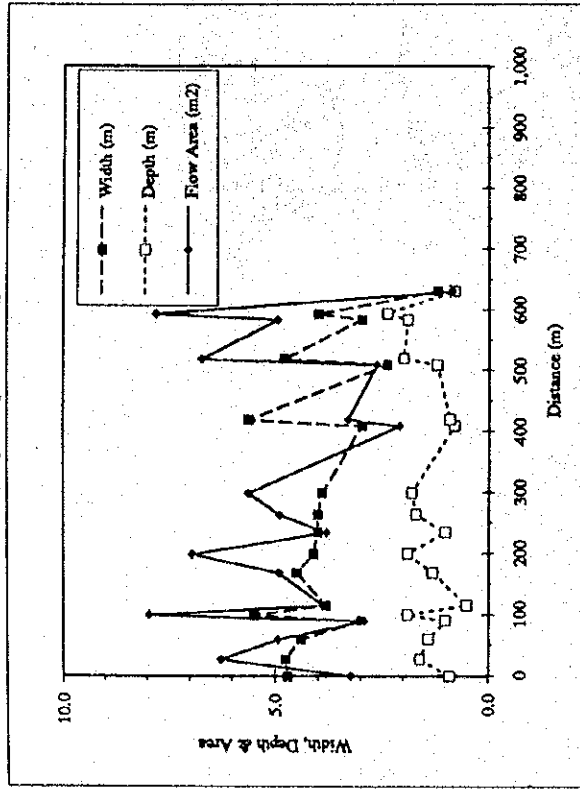
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.8
Existing Urban Drainage System, Ormoc

Lotaao Creek

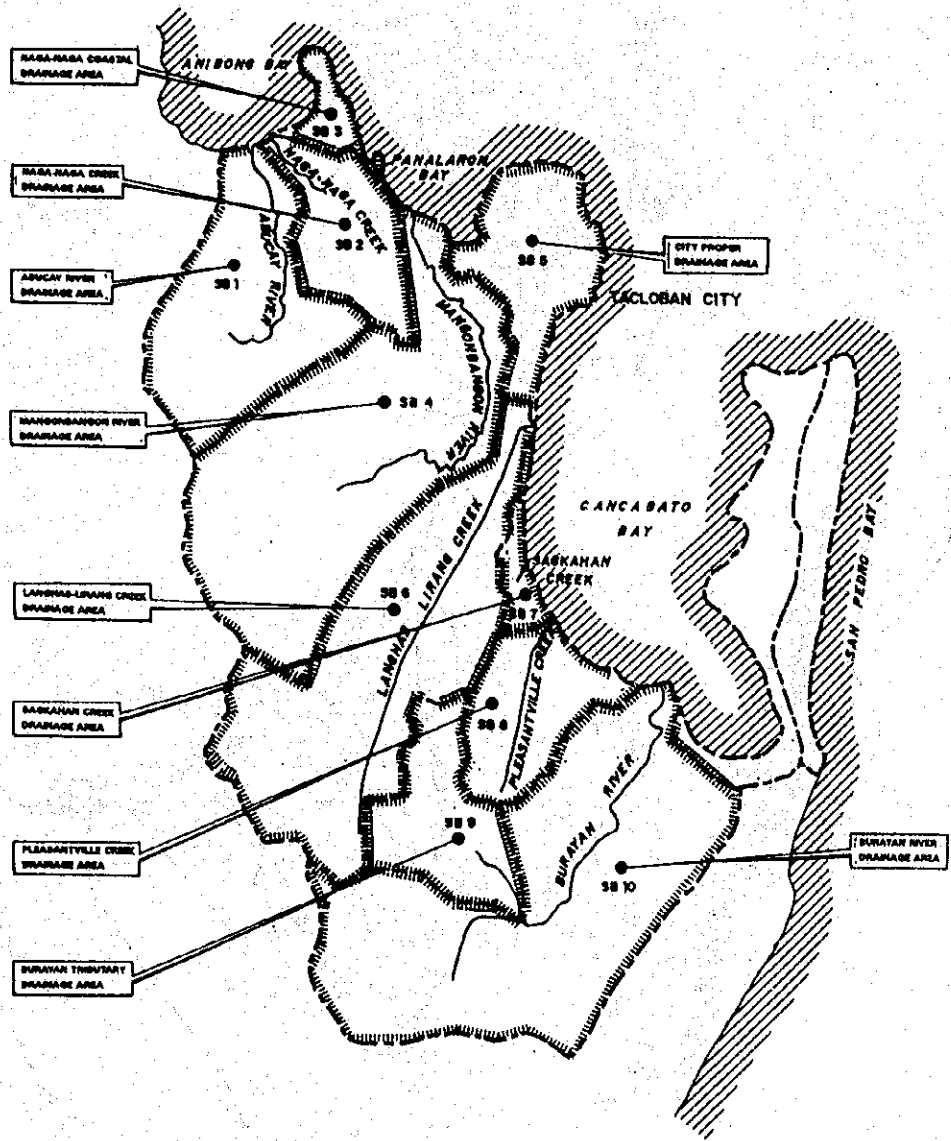


City Proper Creek



THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.9
Hydraulic Features of Existing Drains, Ormoc

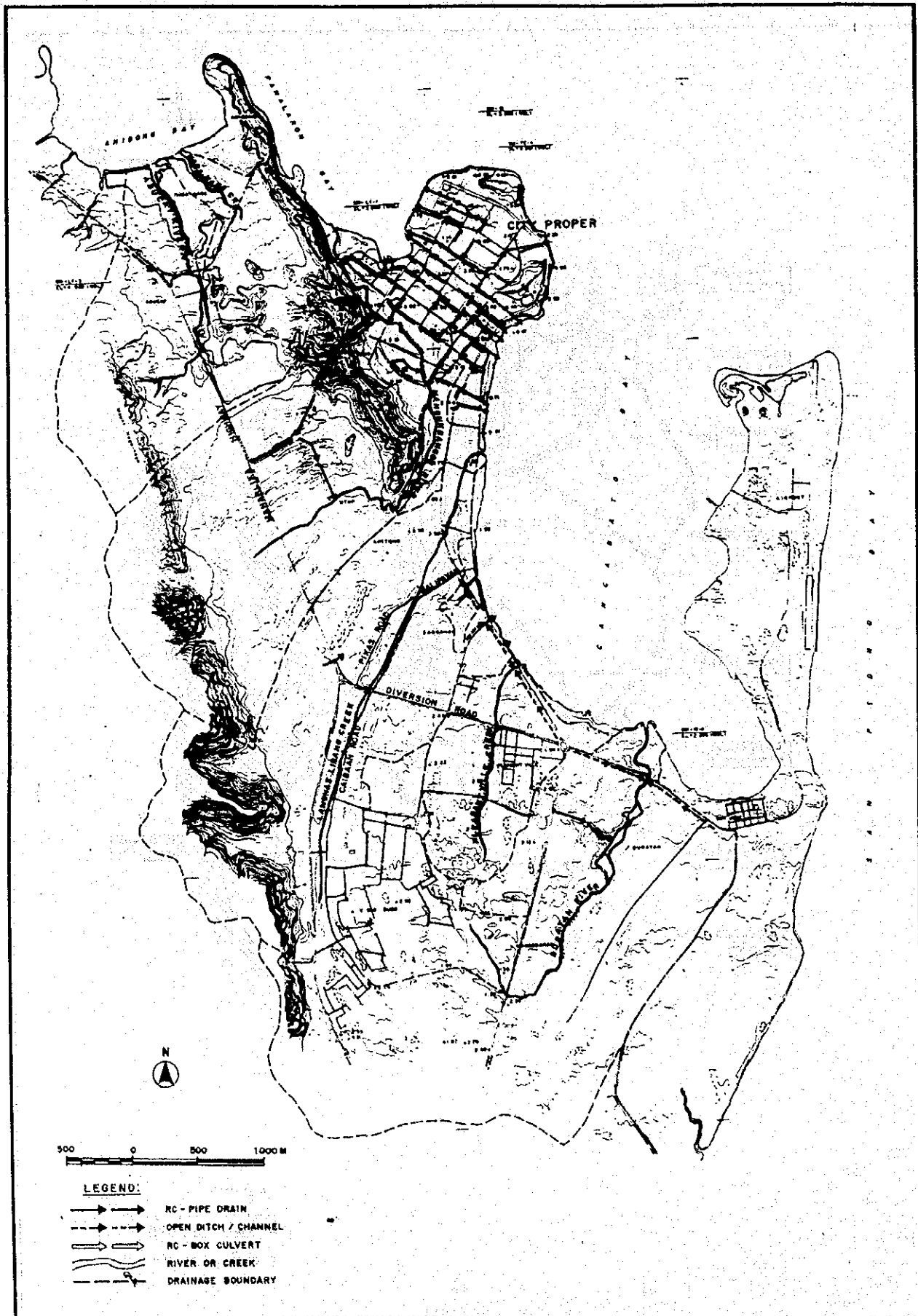


LEGEND:

DRAINAGE BOUNDARY
 NAME OF DRAINAGE AREA
 RIVER / CREEK

THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.10
 Delineated Drainage Basin and Subbasin, Tacloban

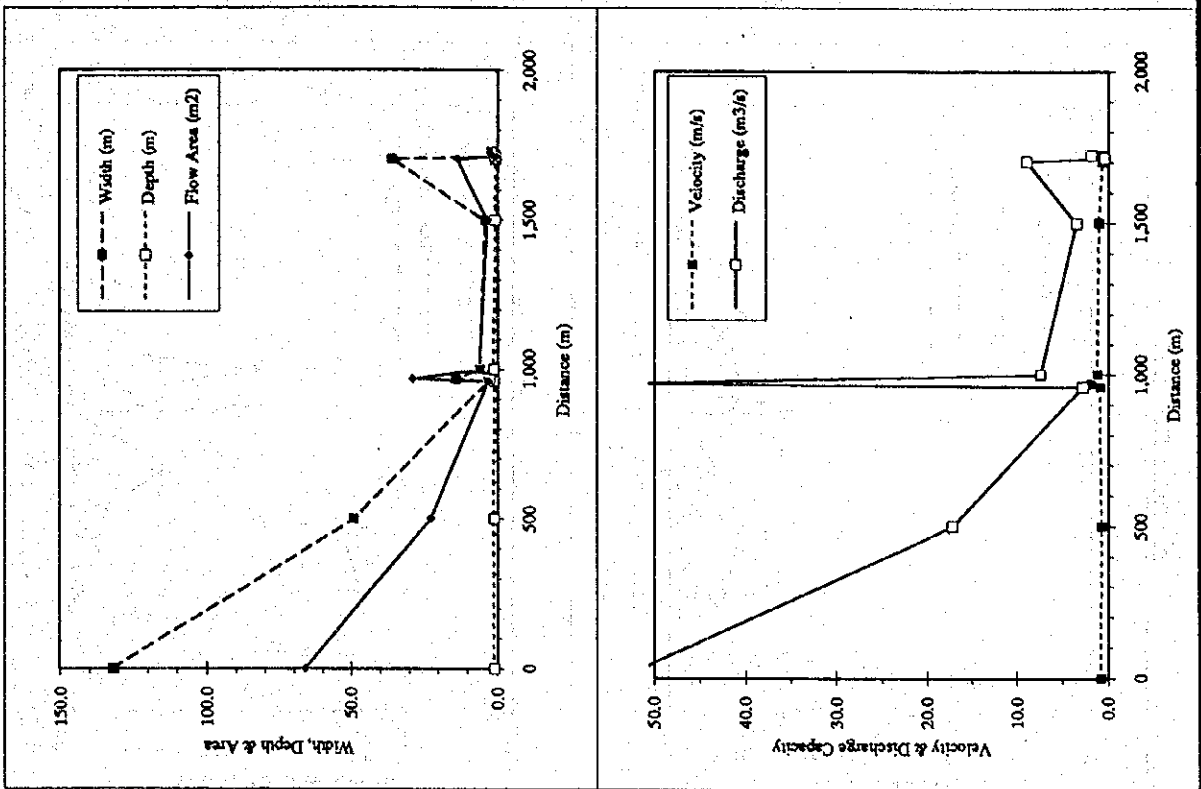


THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS

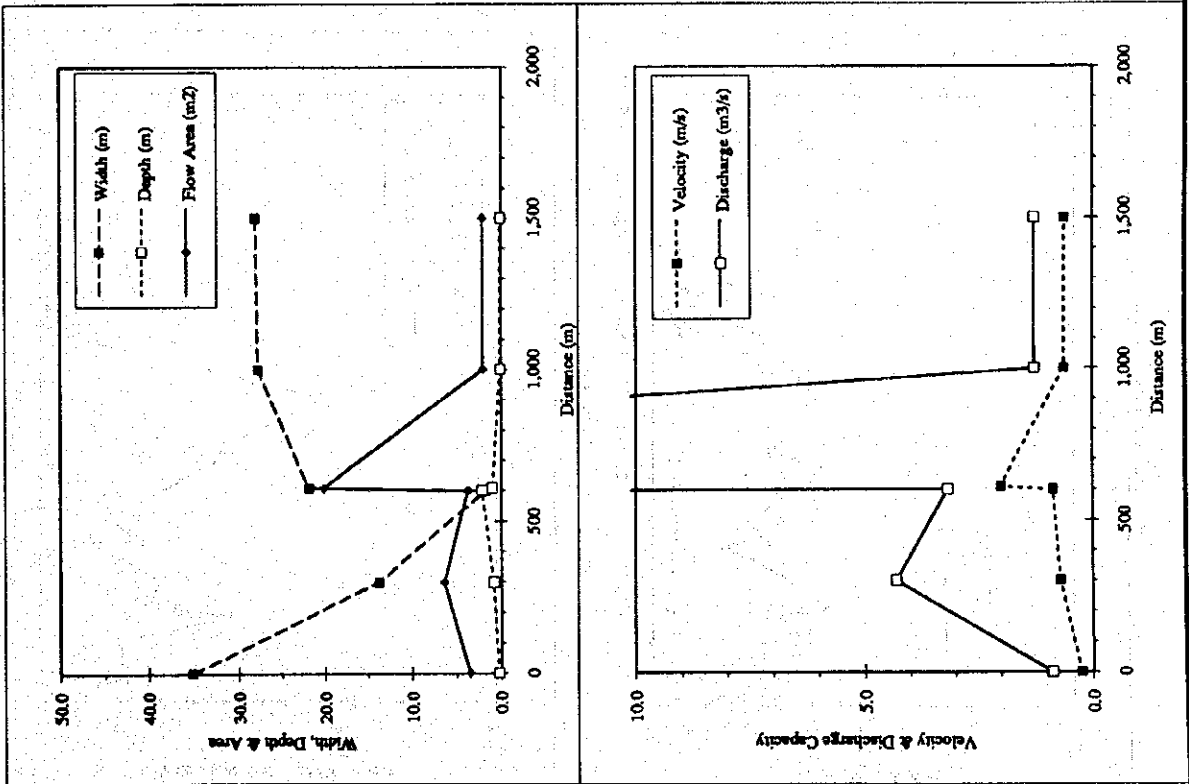
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.11
Existing Urban Drainage System, Tacloban

Abucay River



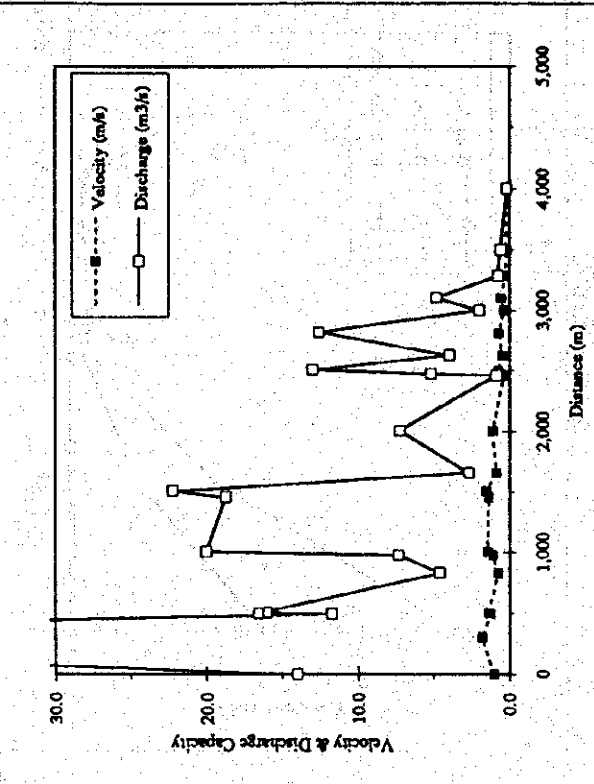
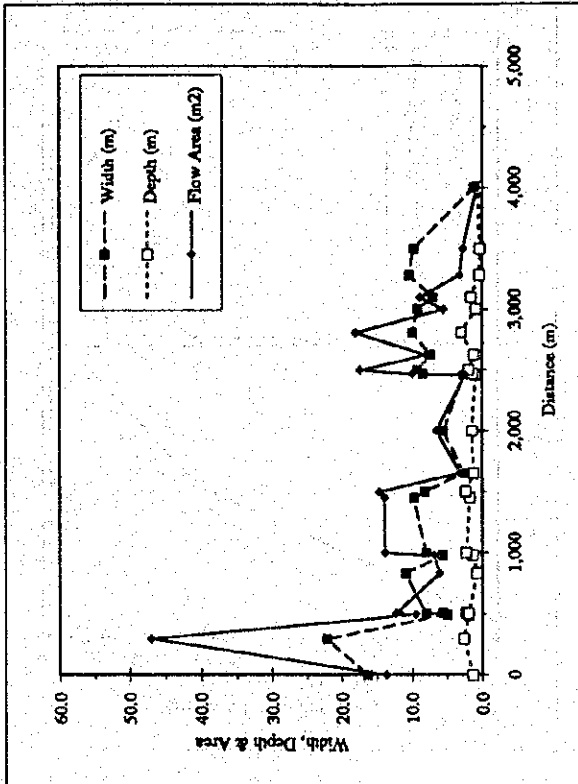
Naga-naga Creek



THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.12
Hydraulic Features of Existing Drains, Tacloban(1/4)

Manzonbanson River



Langhas-Lirang Creek

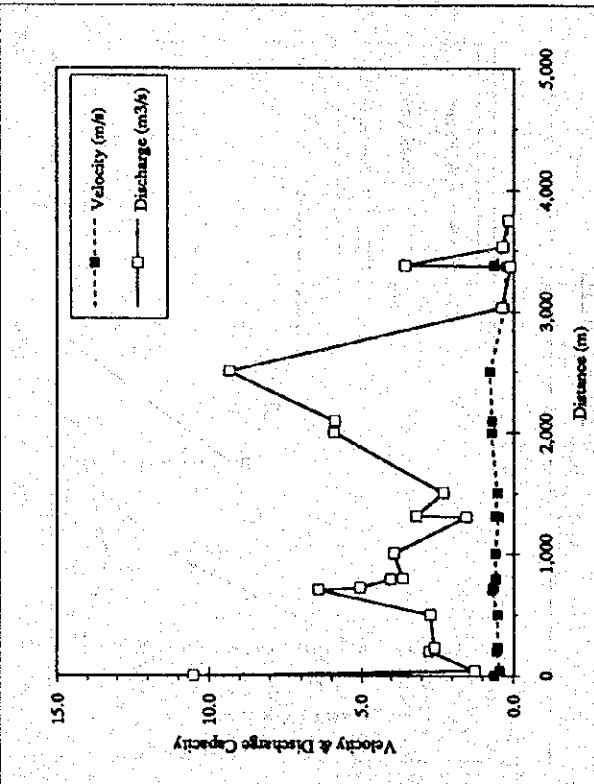
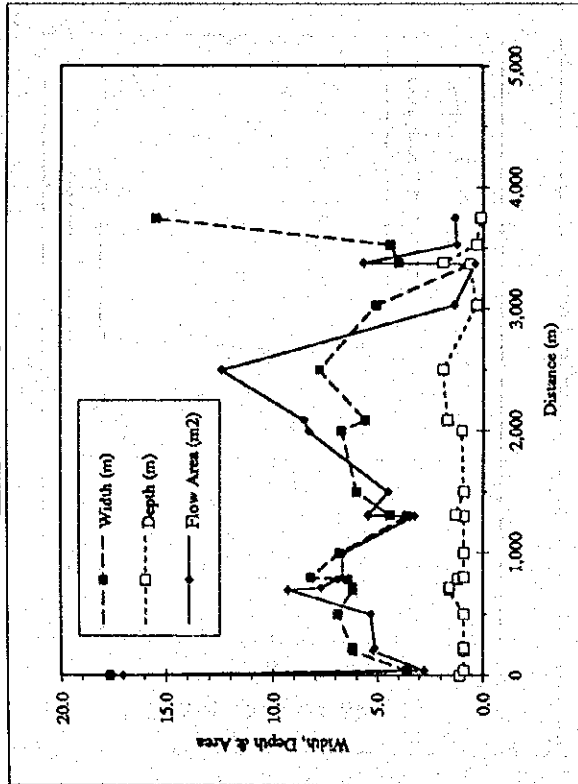
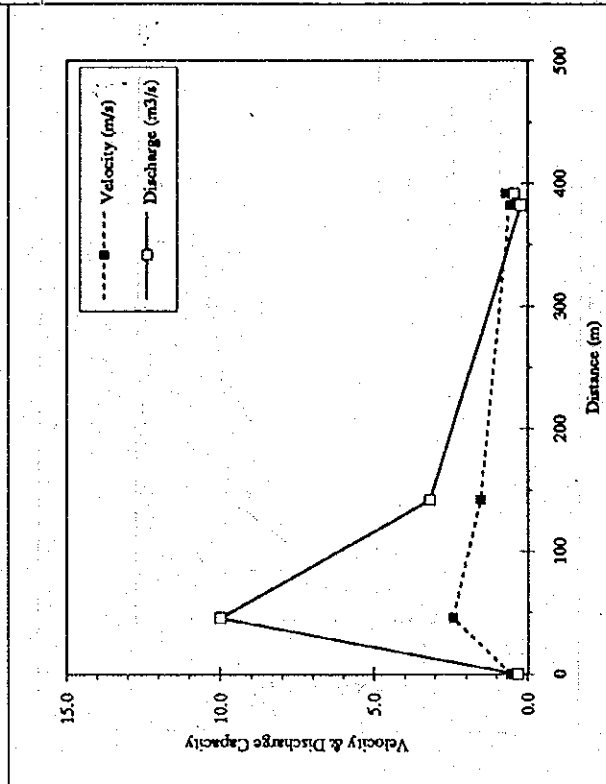
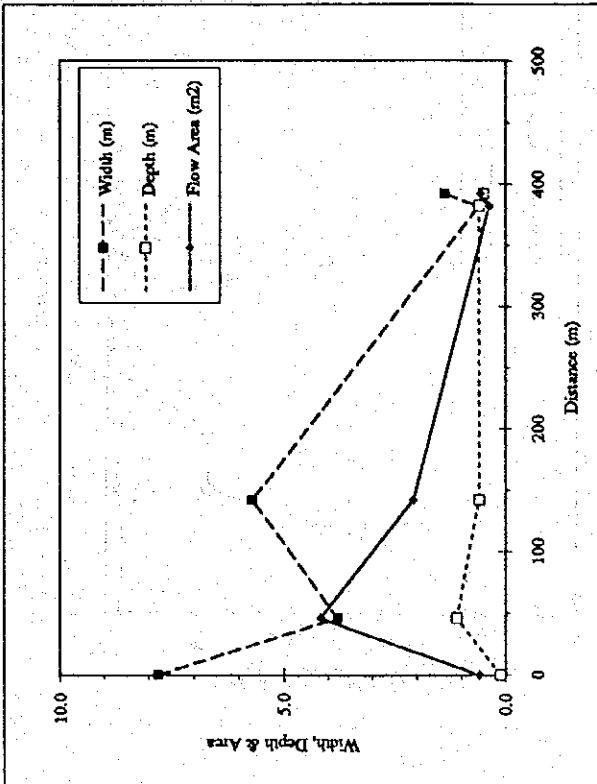
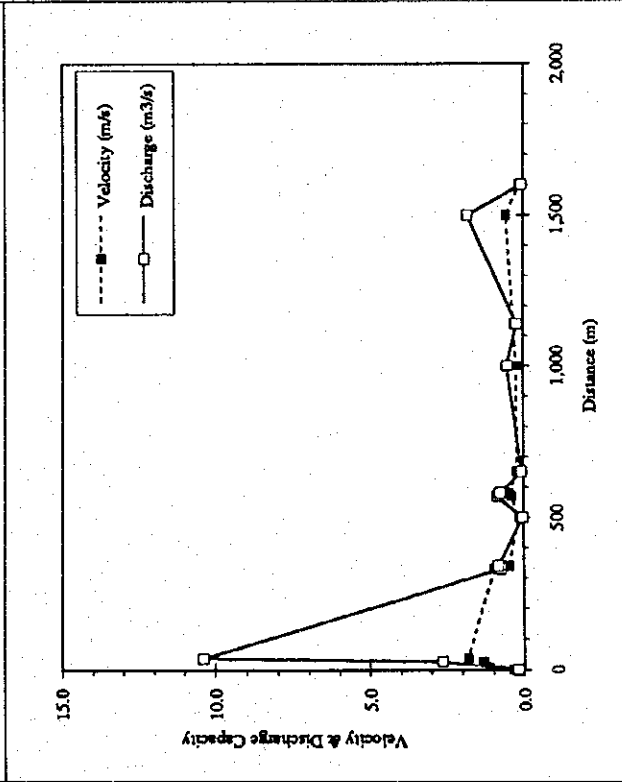
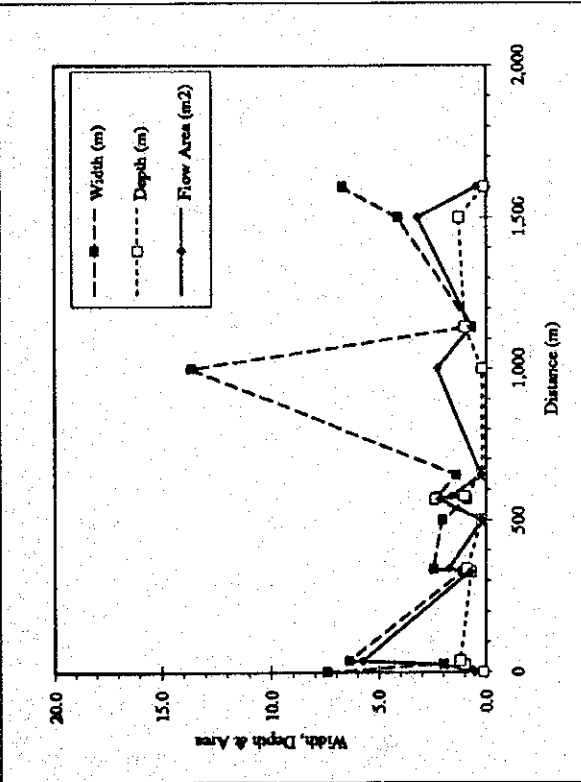


Fig. 2.12
Hydraulic Features of Existing Drains, Tacloban(2/4)

Sagsahan Creek



Pleasantville Creek

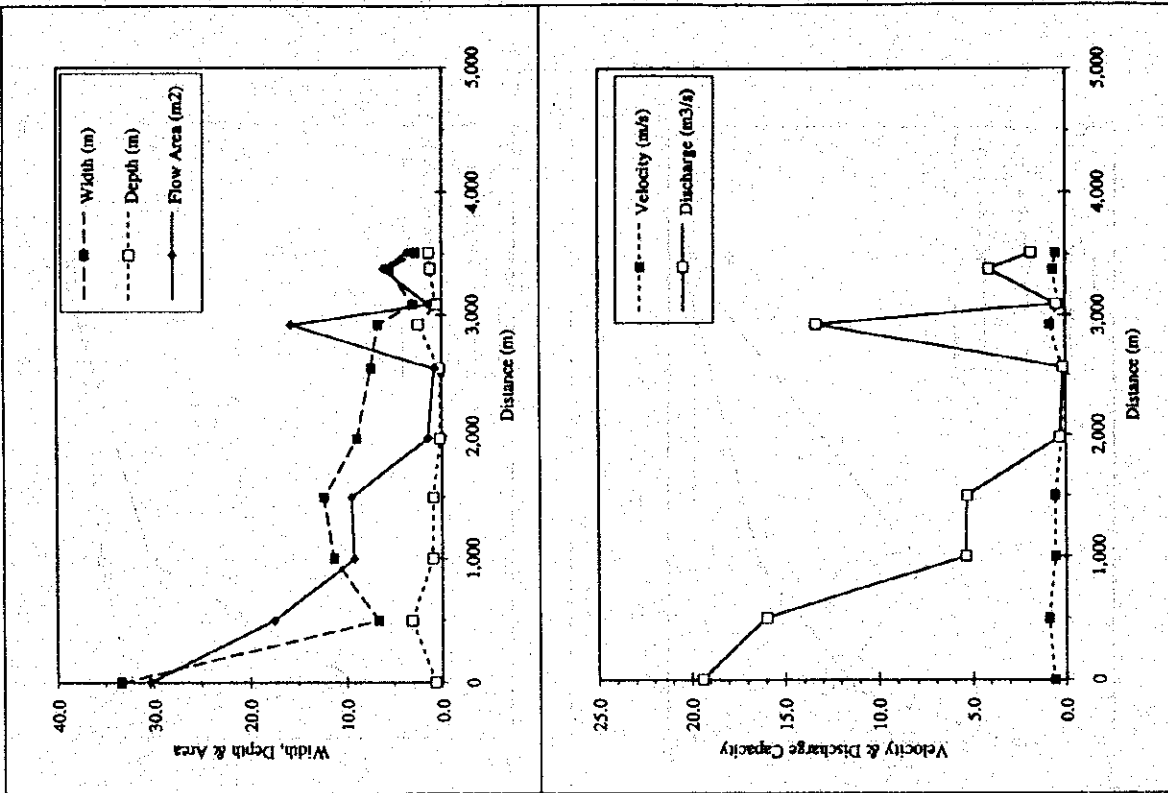


THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS

JAPAN INTERNATIONAL COOPERATION AGENCY

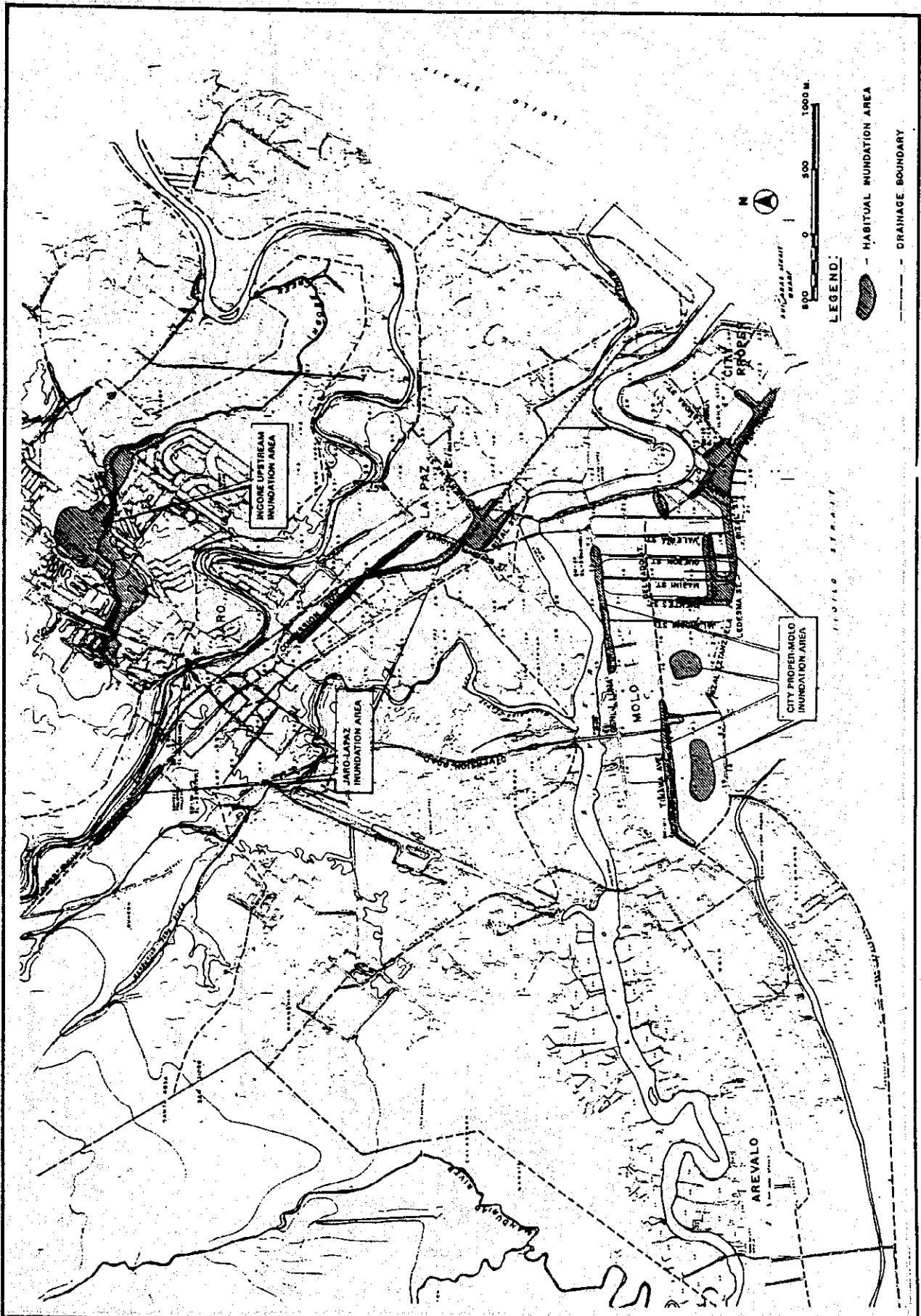
Fig. 2.12
Hydraulic Features of Existing Drains, Tacloban(3/4)

Burayan River



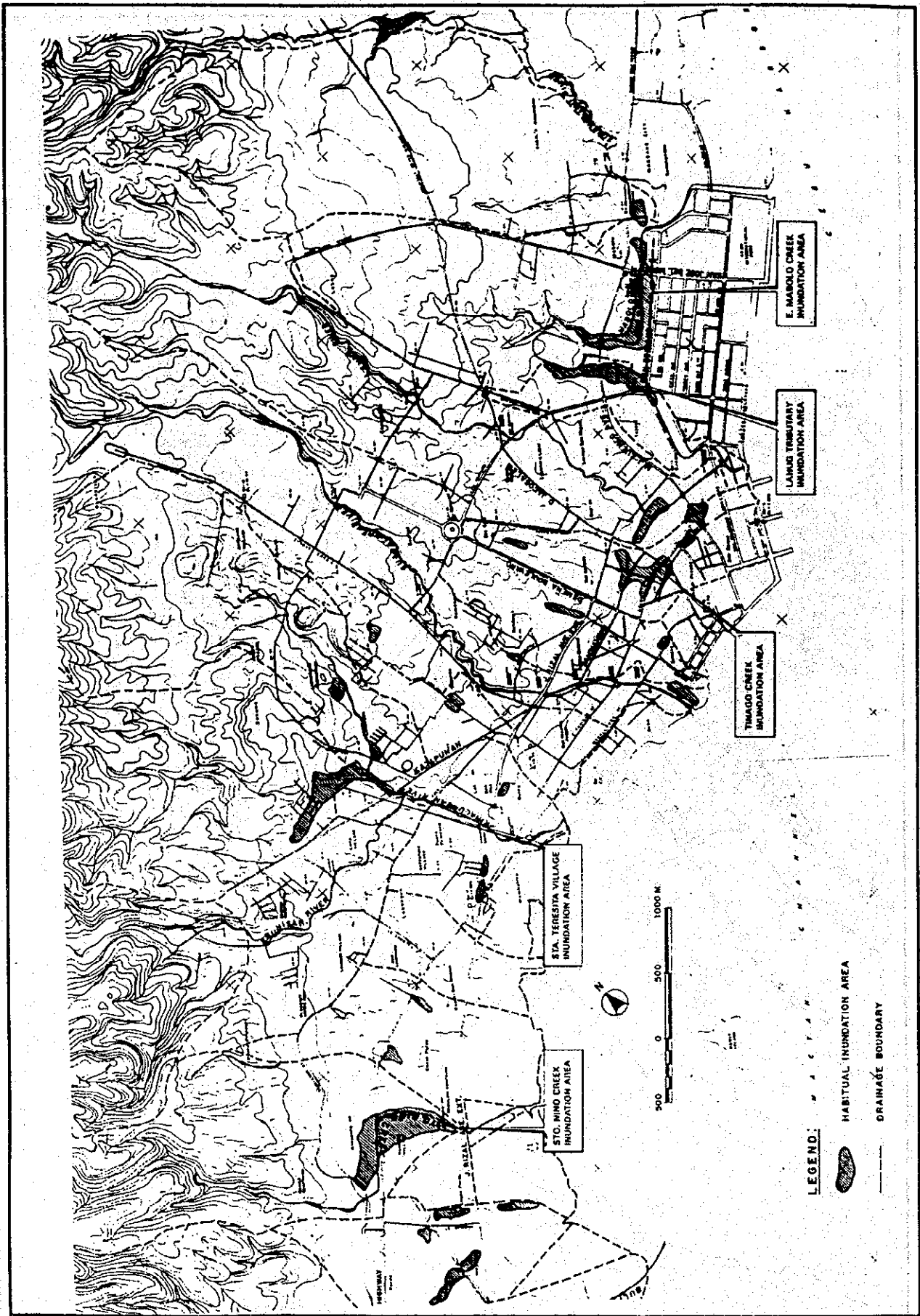
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 2.12
 Hydraulic Features of Existing Drains, Tacloban(4/4)



THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

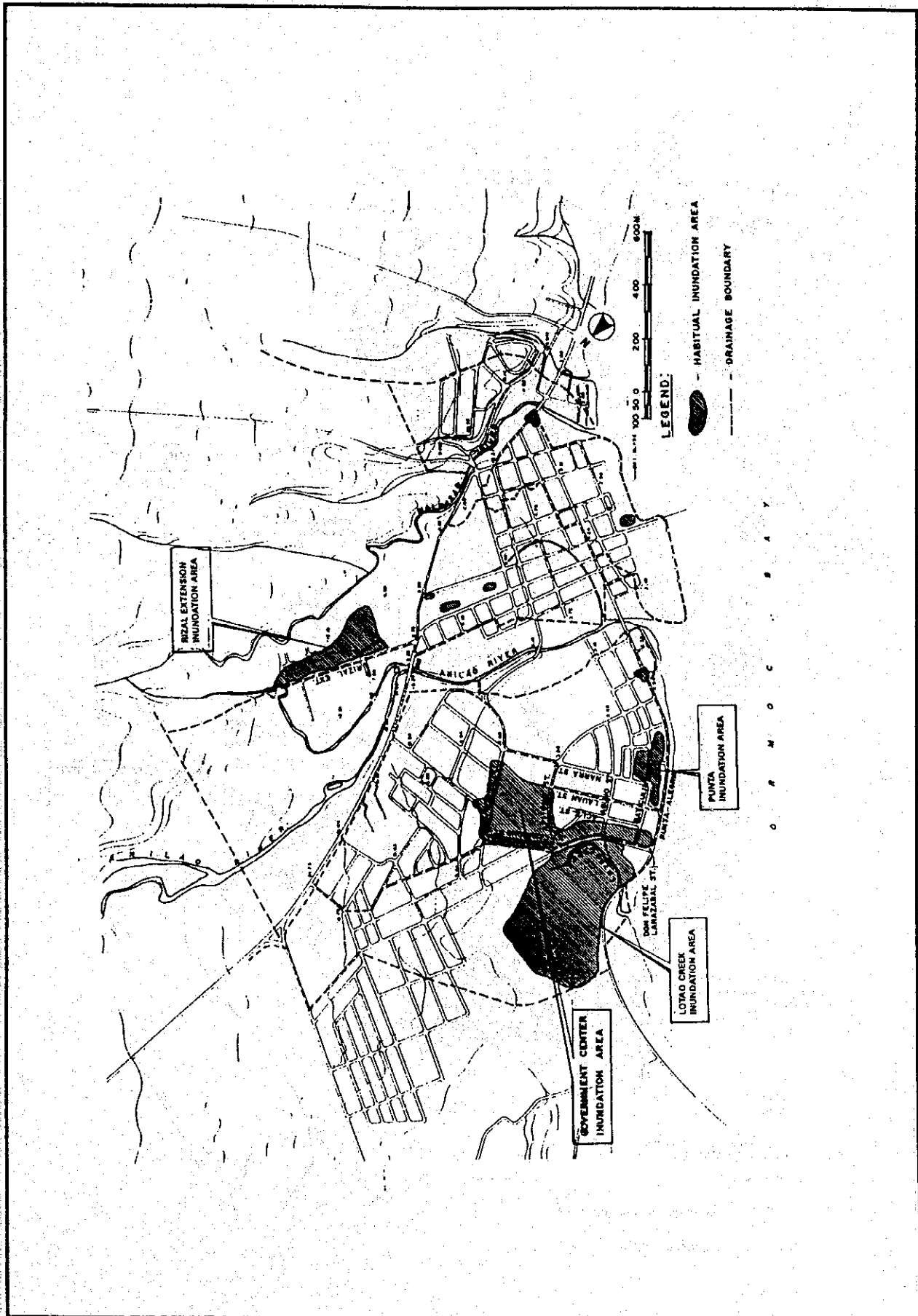
Fig. 3.1
 Habitual Inundation Area, Iloilo



THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS

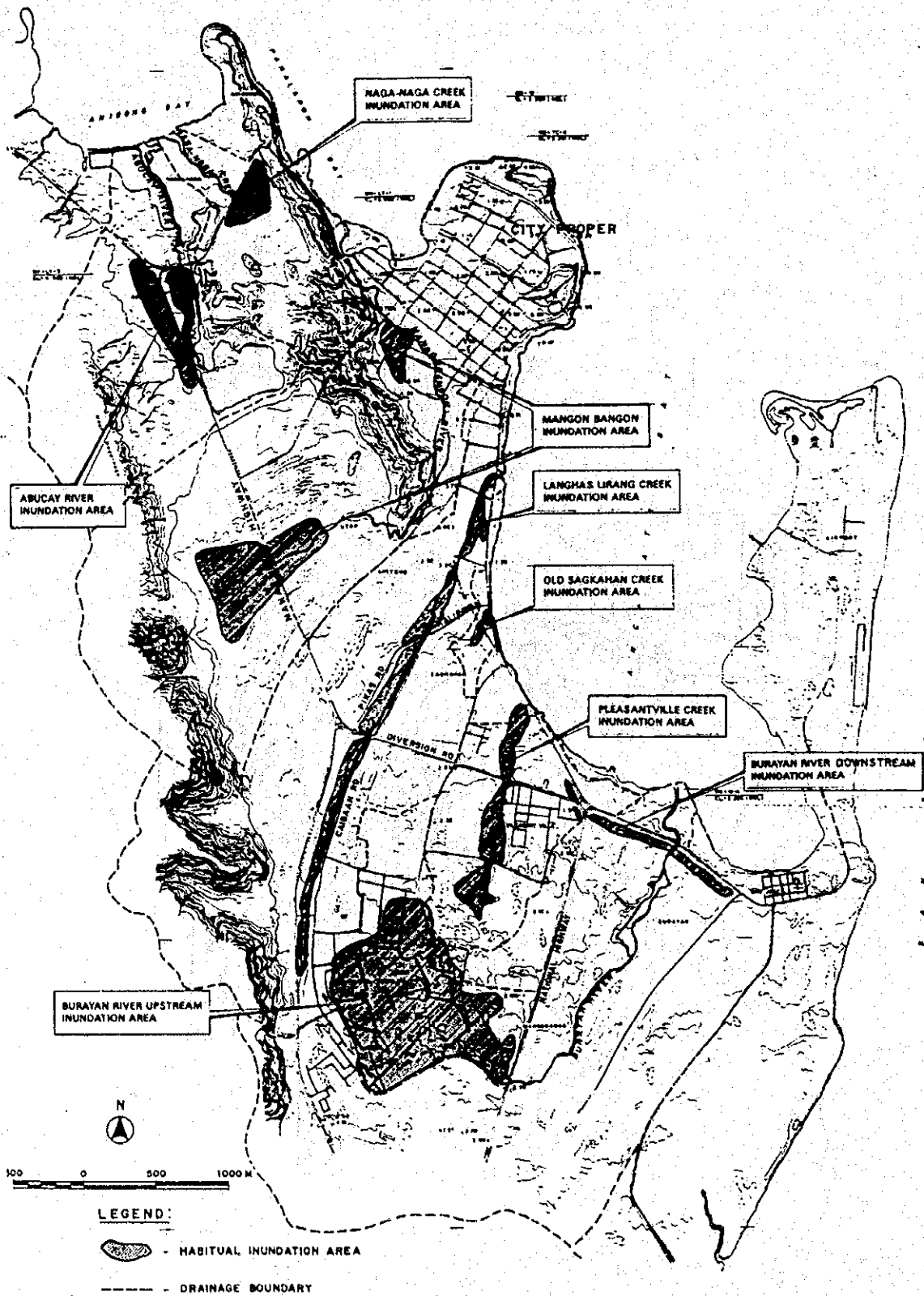
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 3.2
Habitual Inundation Area, Cebu



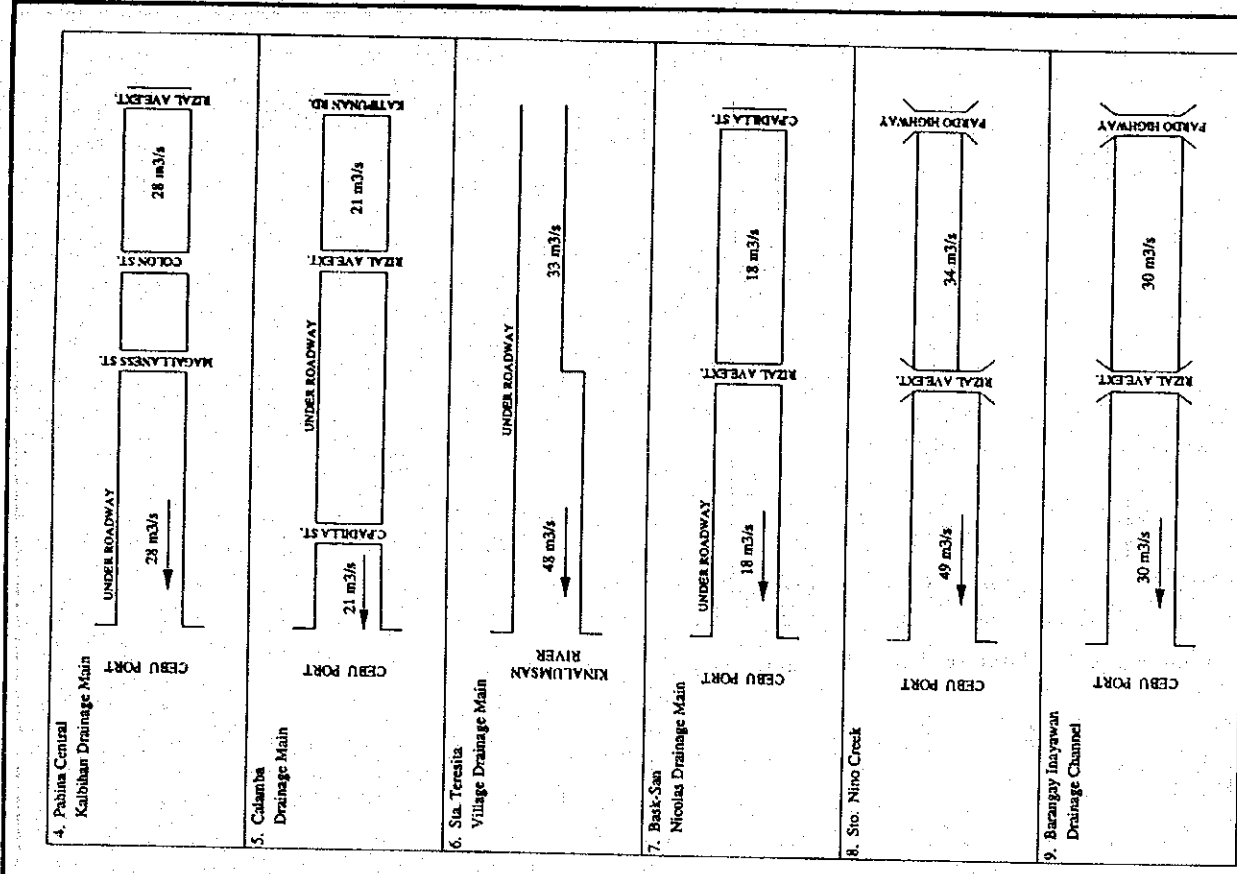
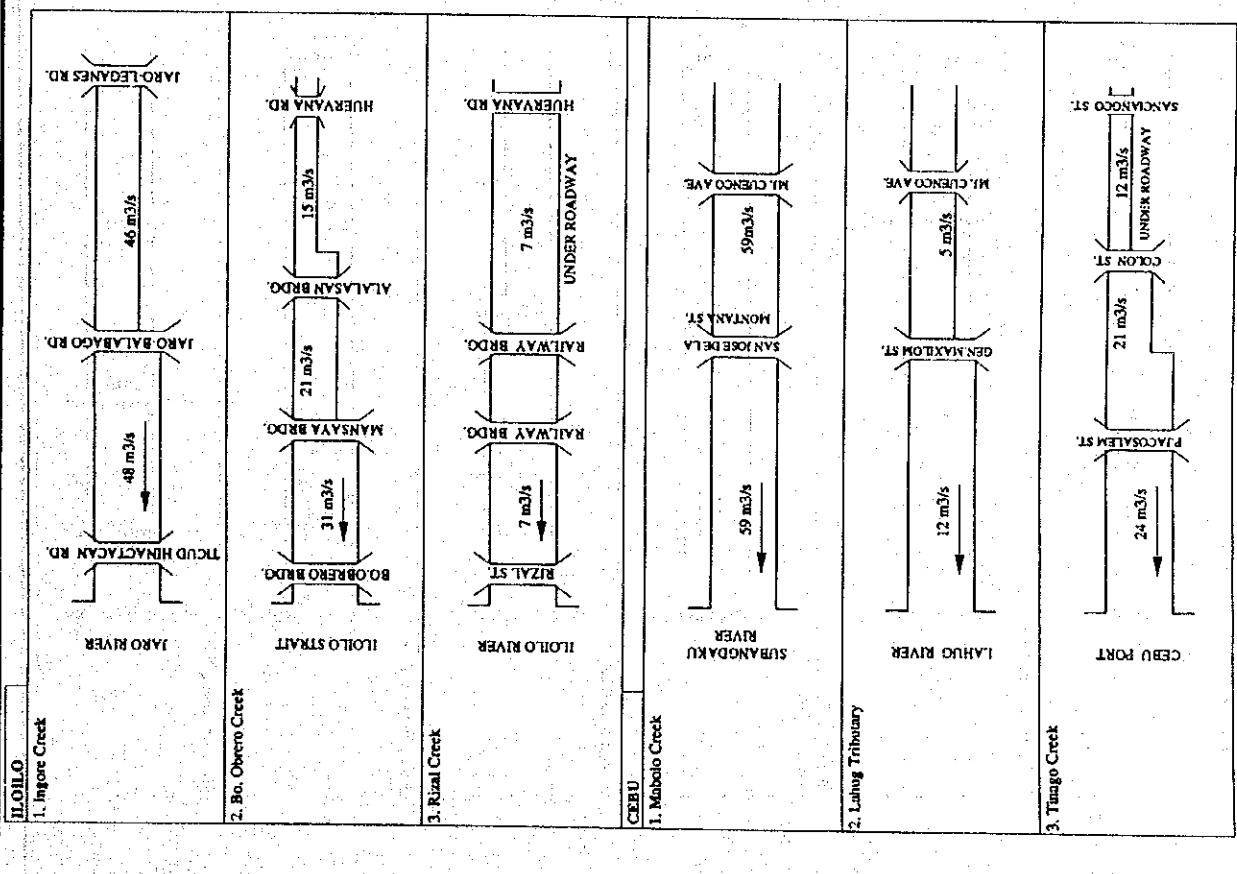
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 3.3
 Habitual Inundation Area, Ormoc



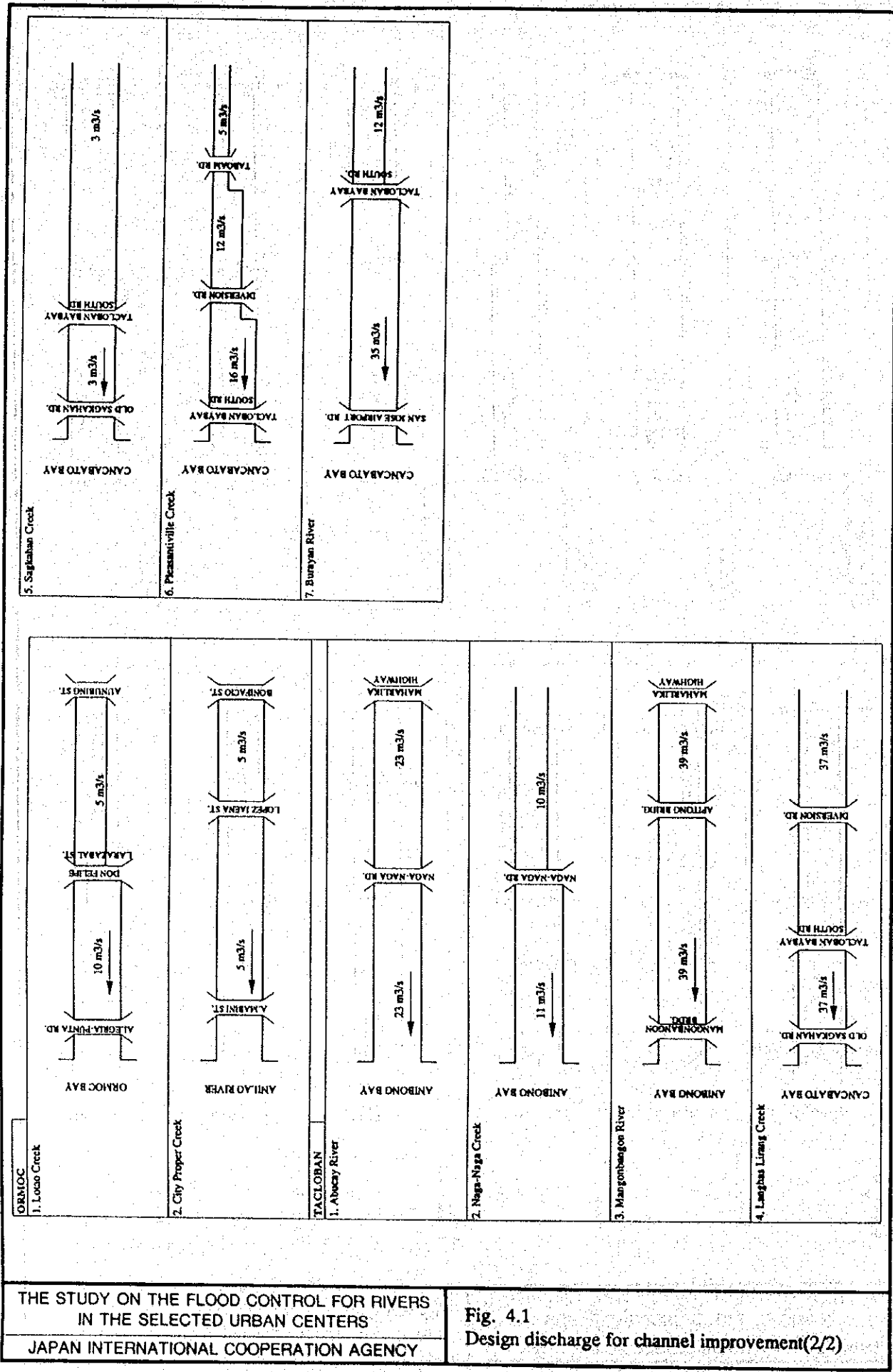
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 3.4
 Habitual Inundation Area, Tacloban



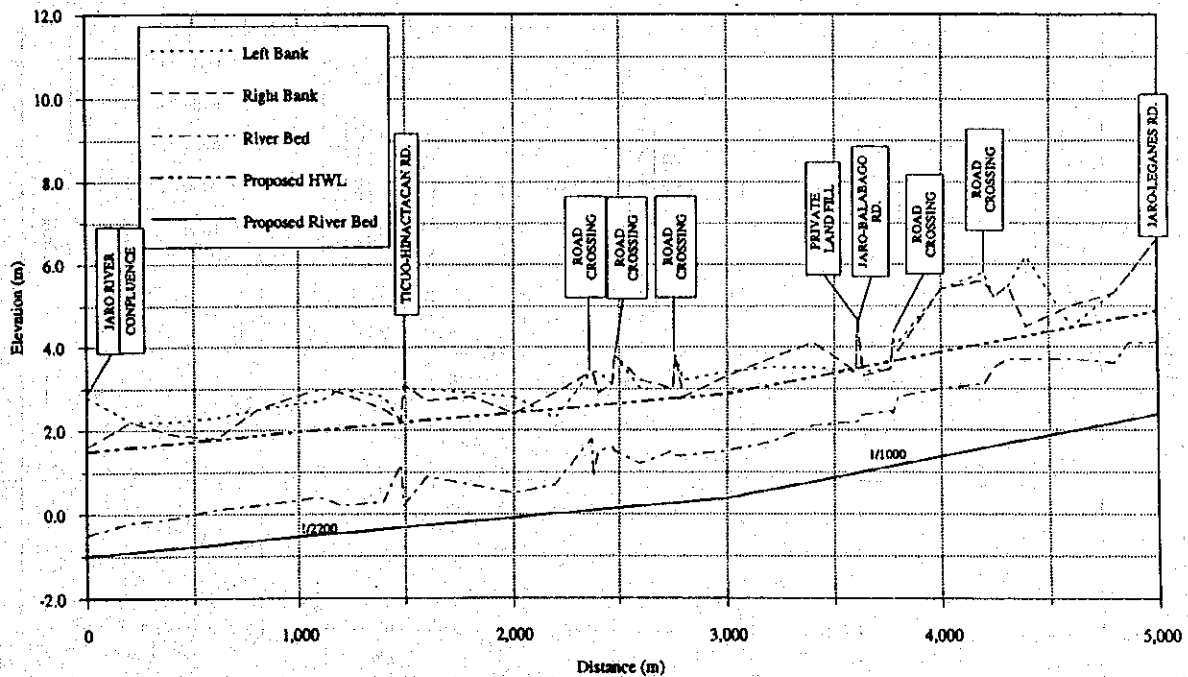
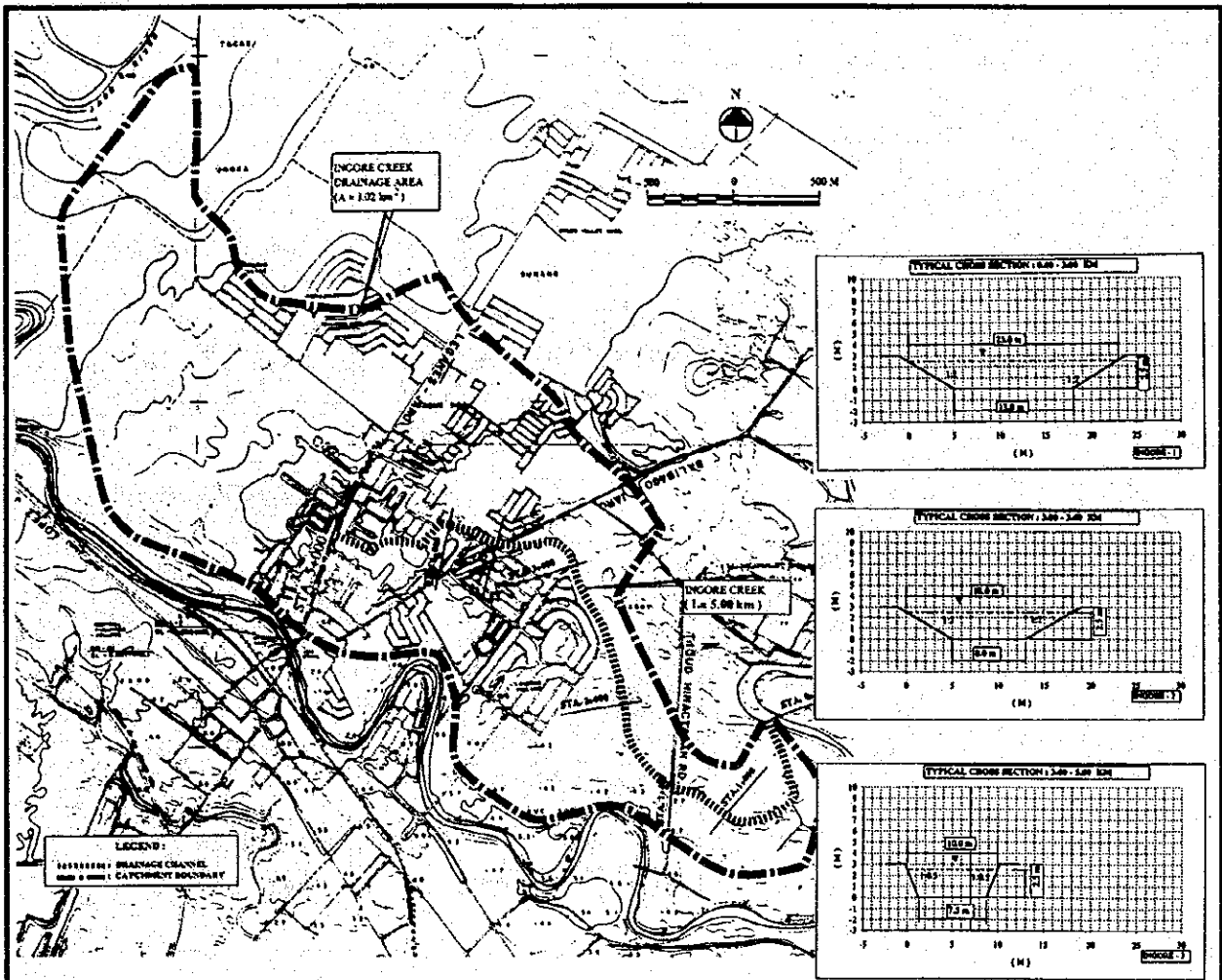
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.1
Design discharge for channel improvement(1/2)



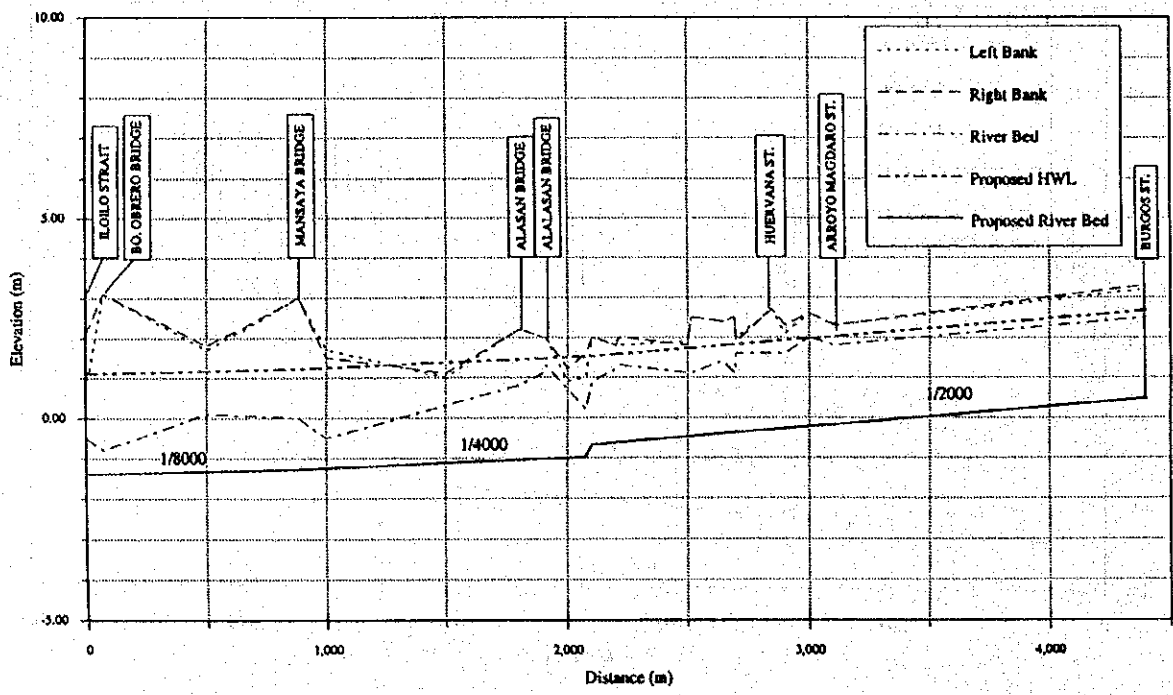
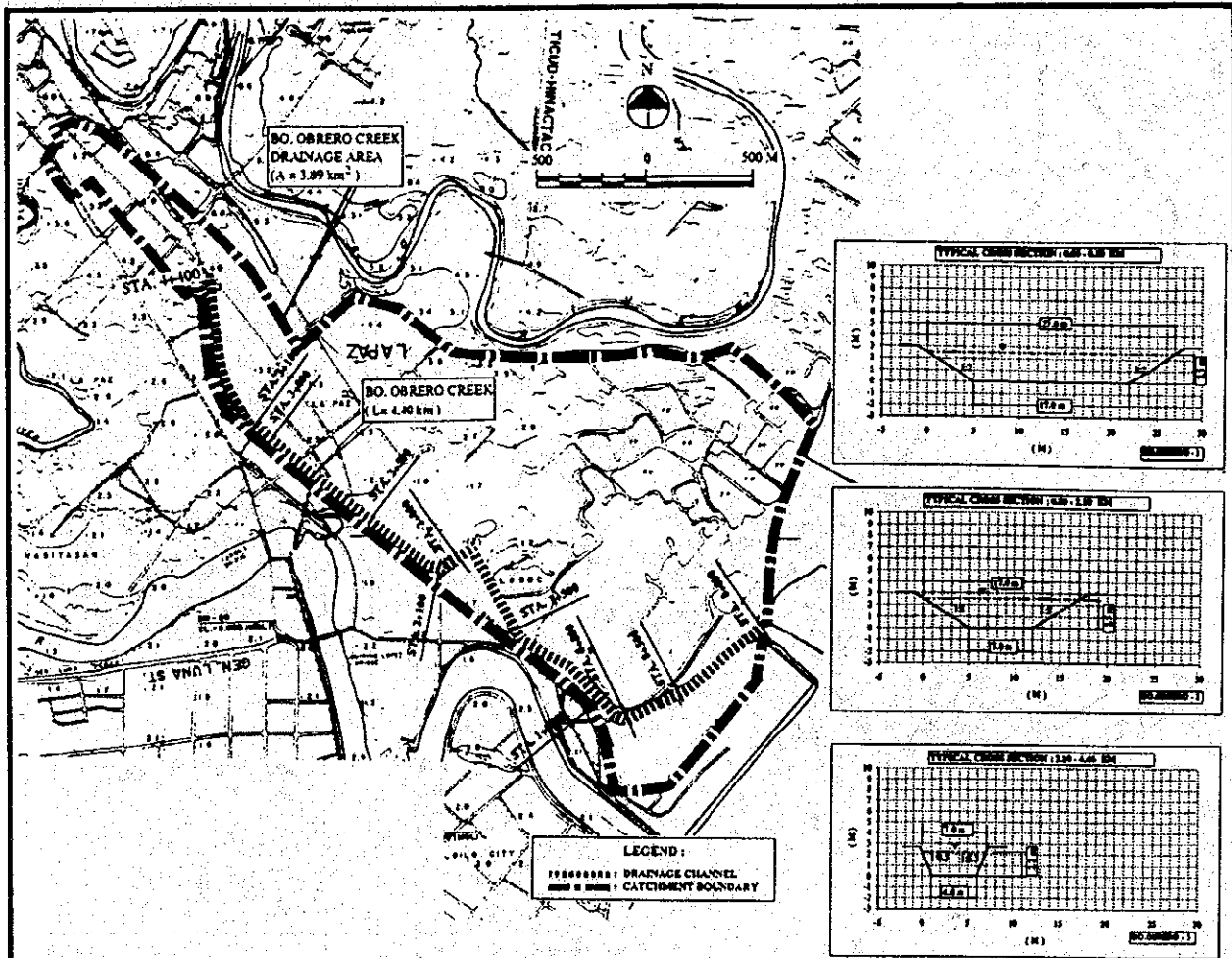
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.1
Design discharge for channel improvement(2/2)



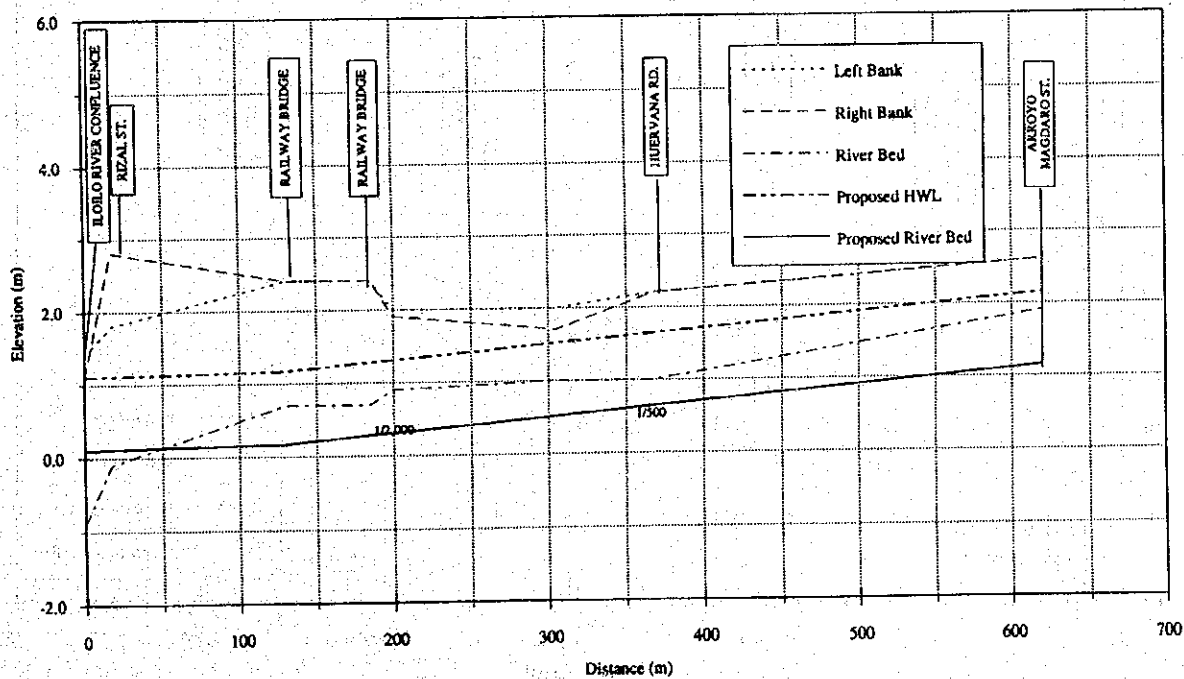
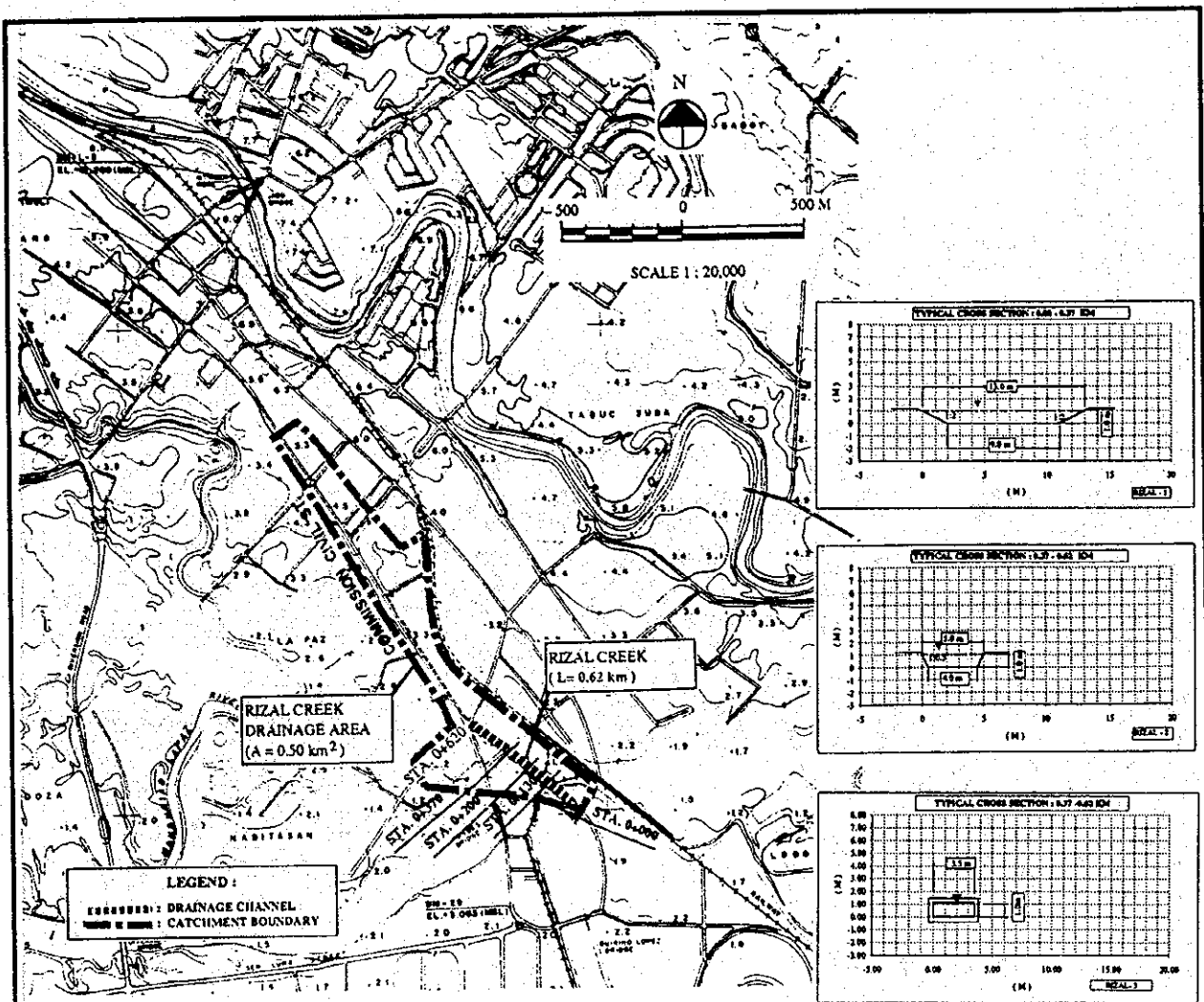
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.2
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Ingore Creek, Iloilo



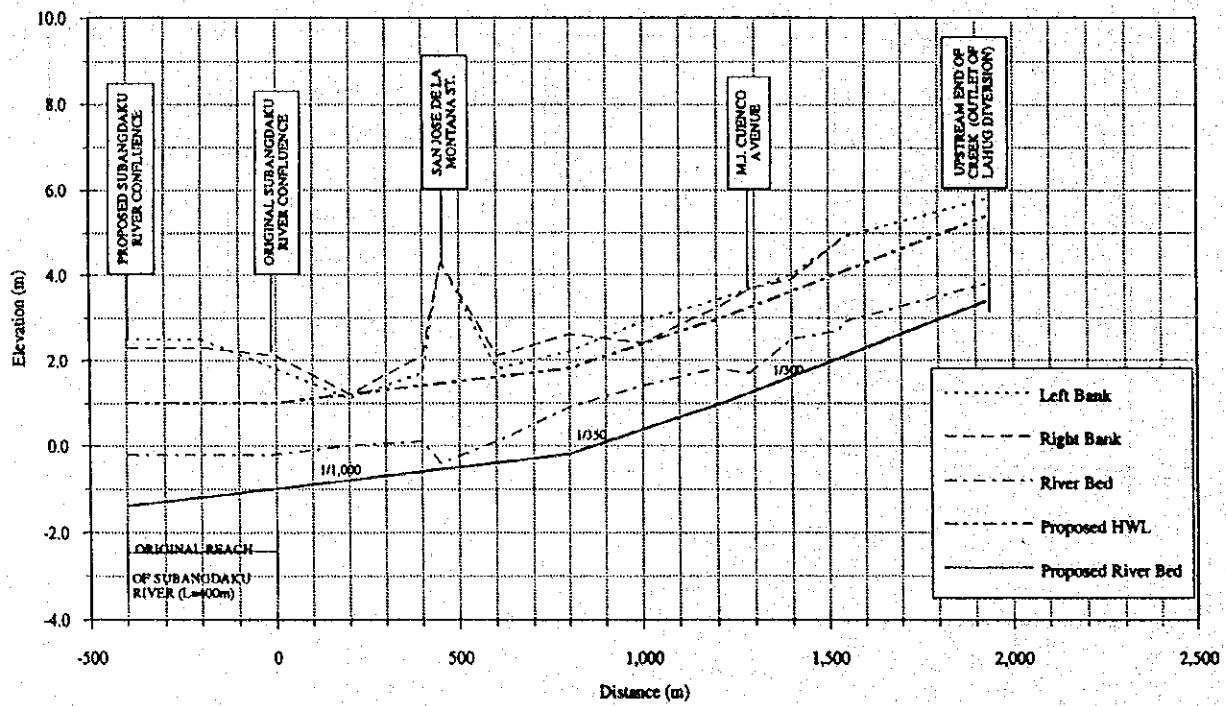
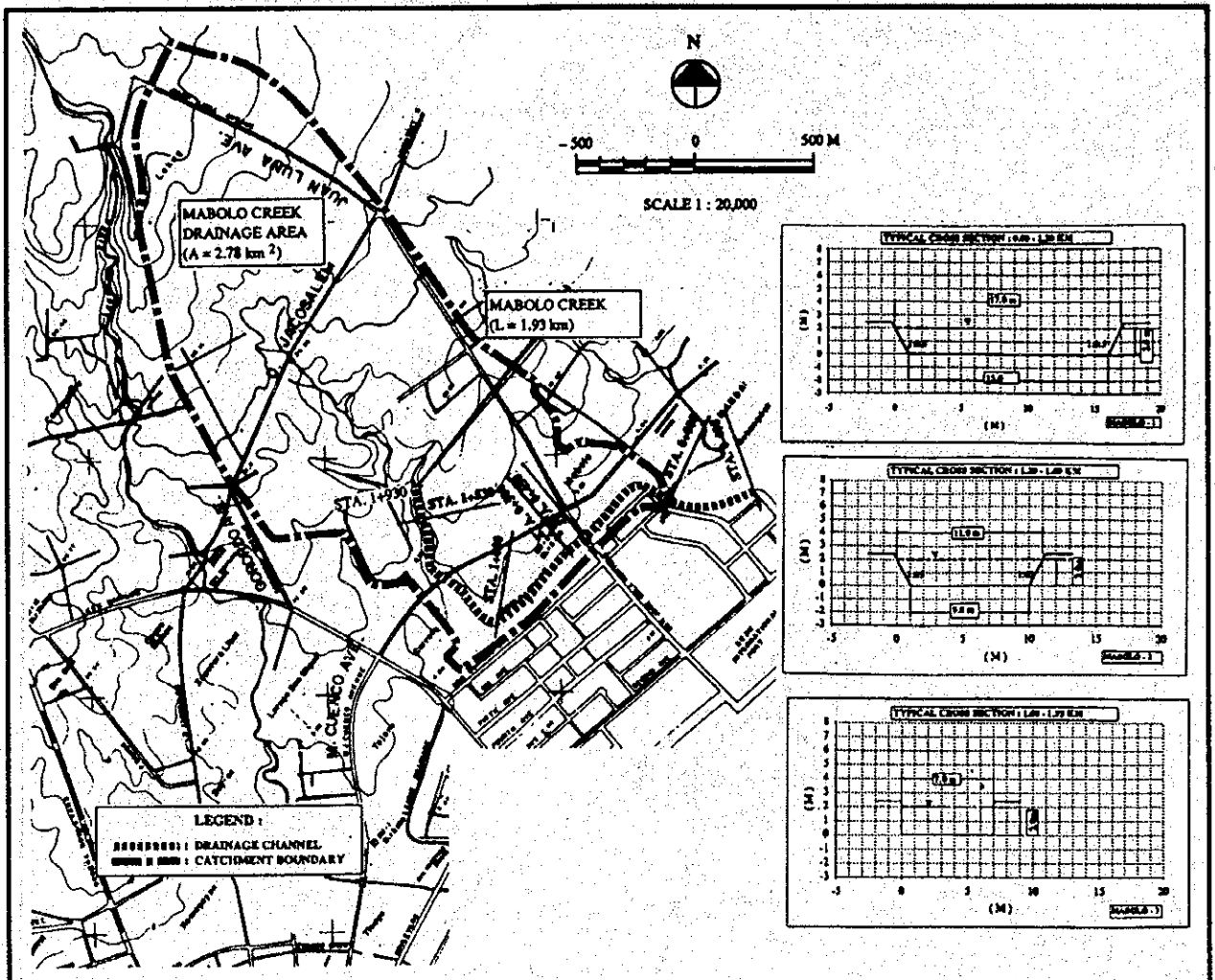
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.3
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, Bo. Obrero Creek, Iloilo



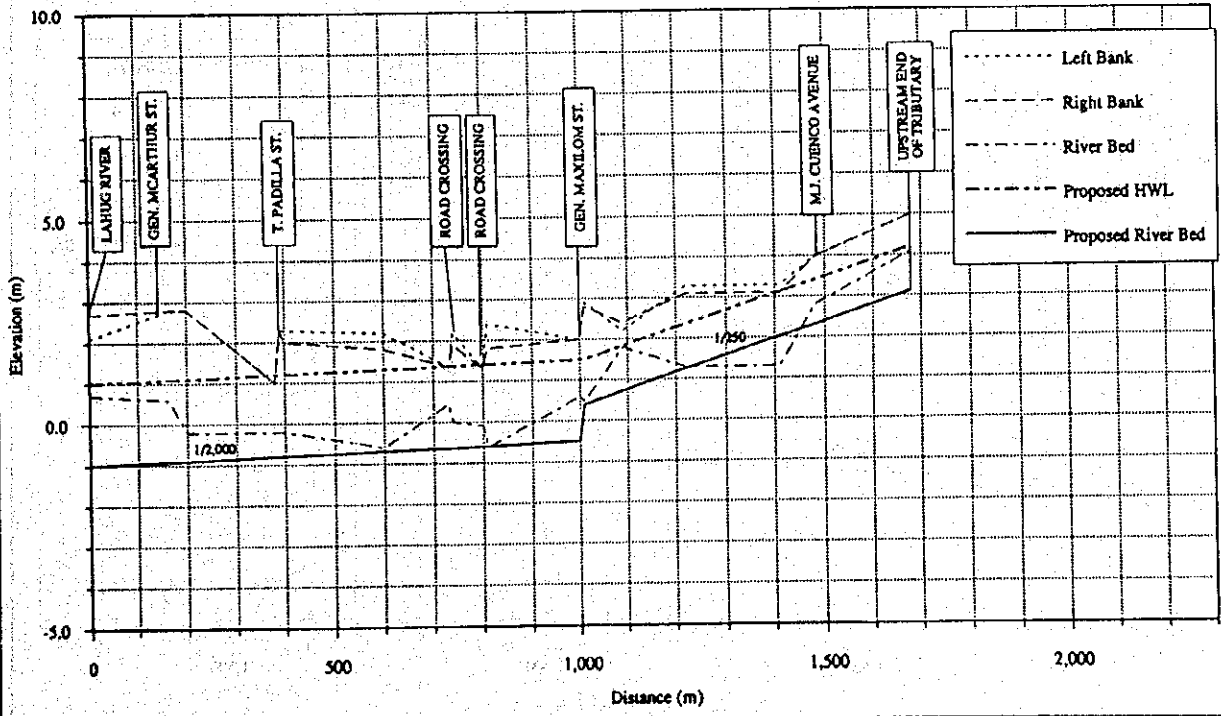
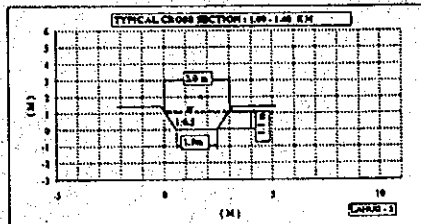
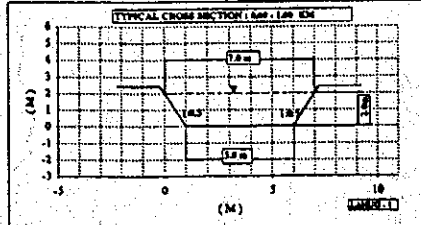
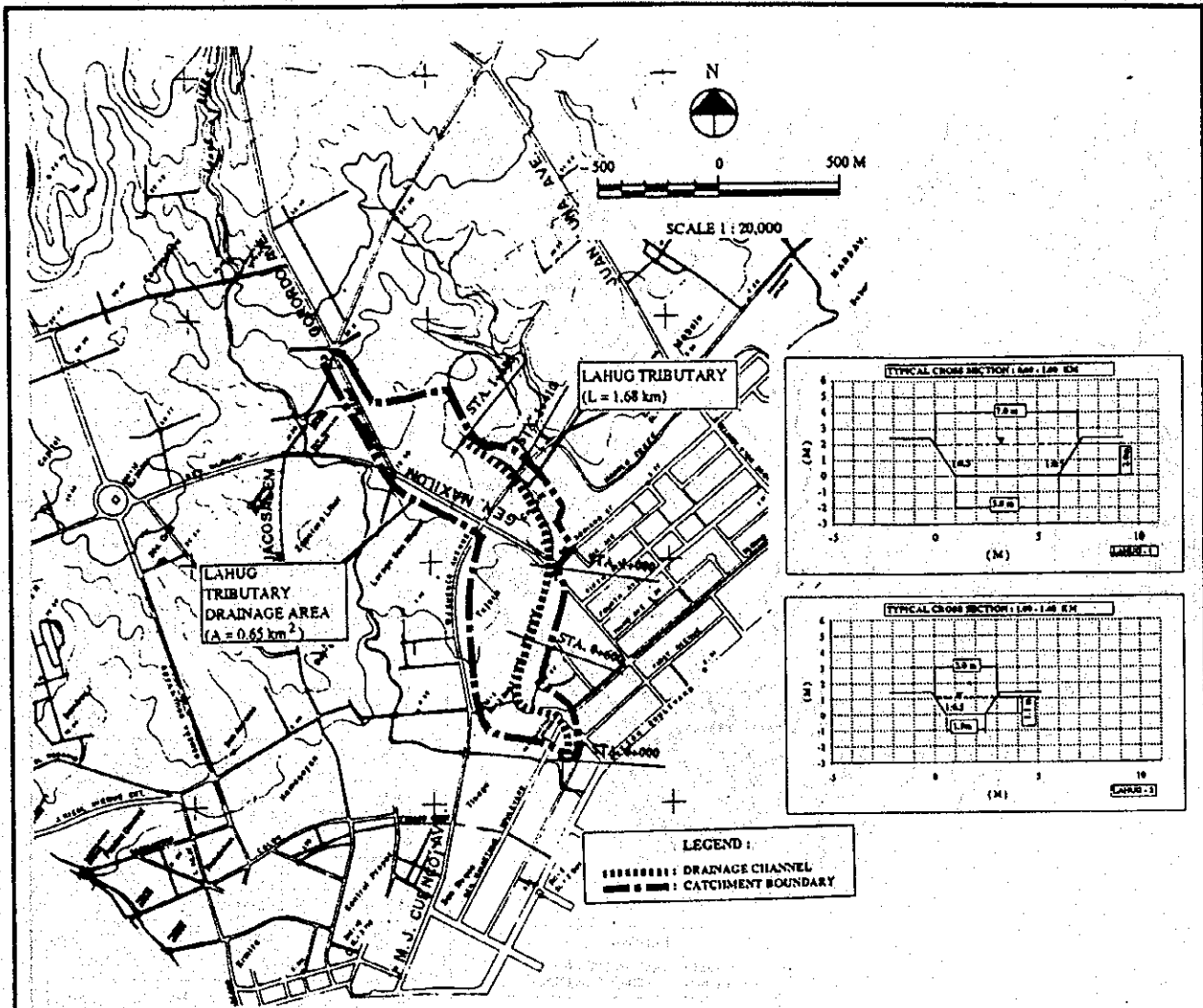
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.4
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, Rizal Creek, Iloilo



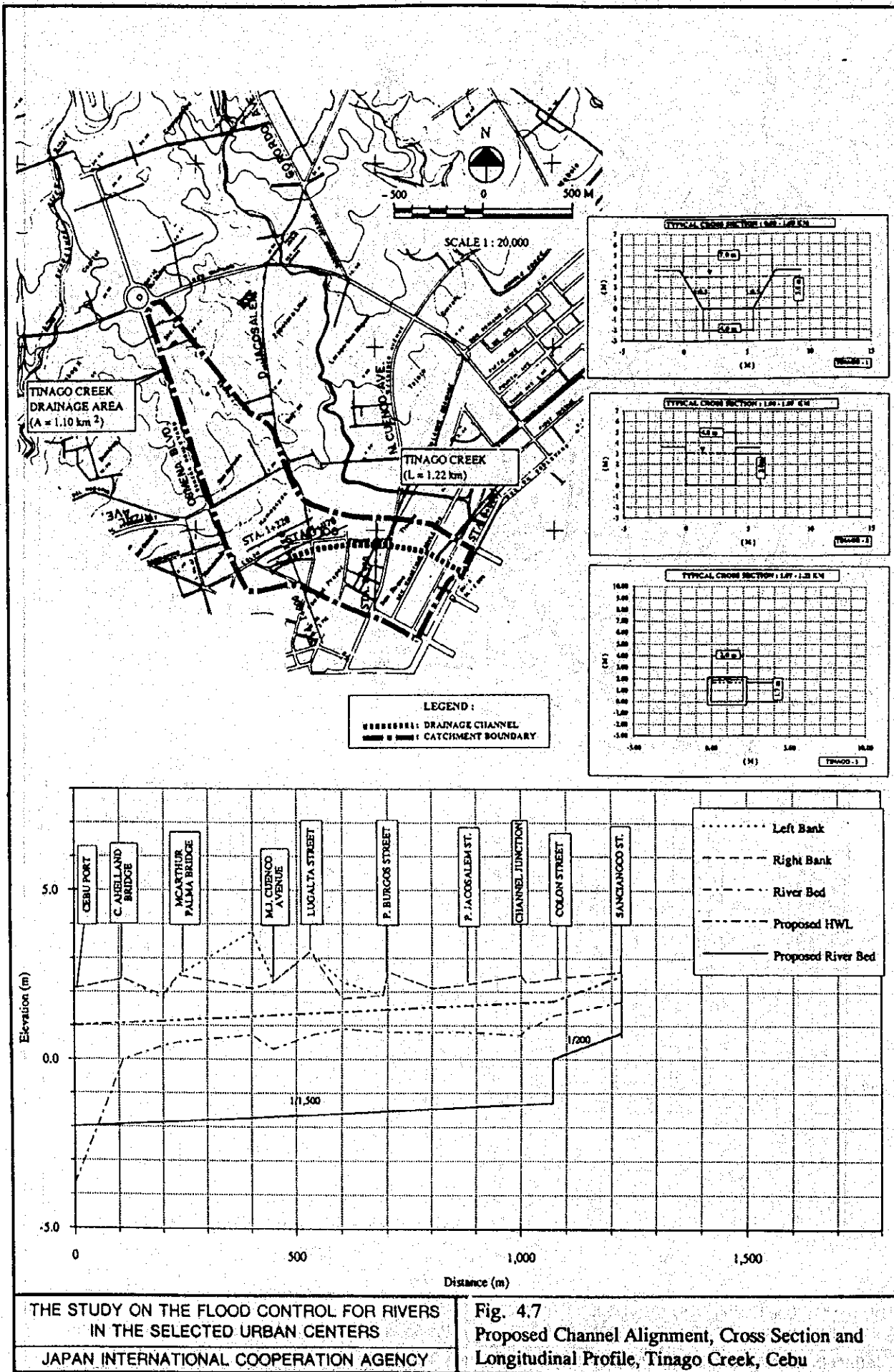
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

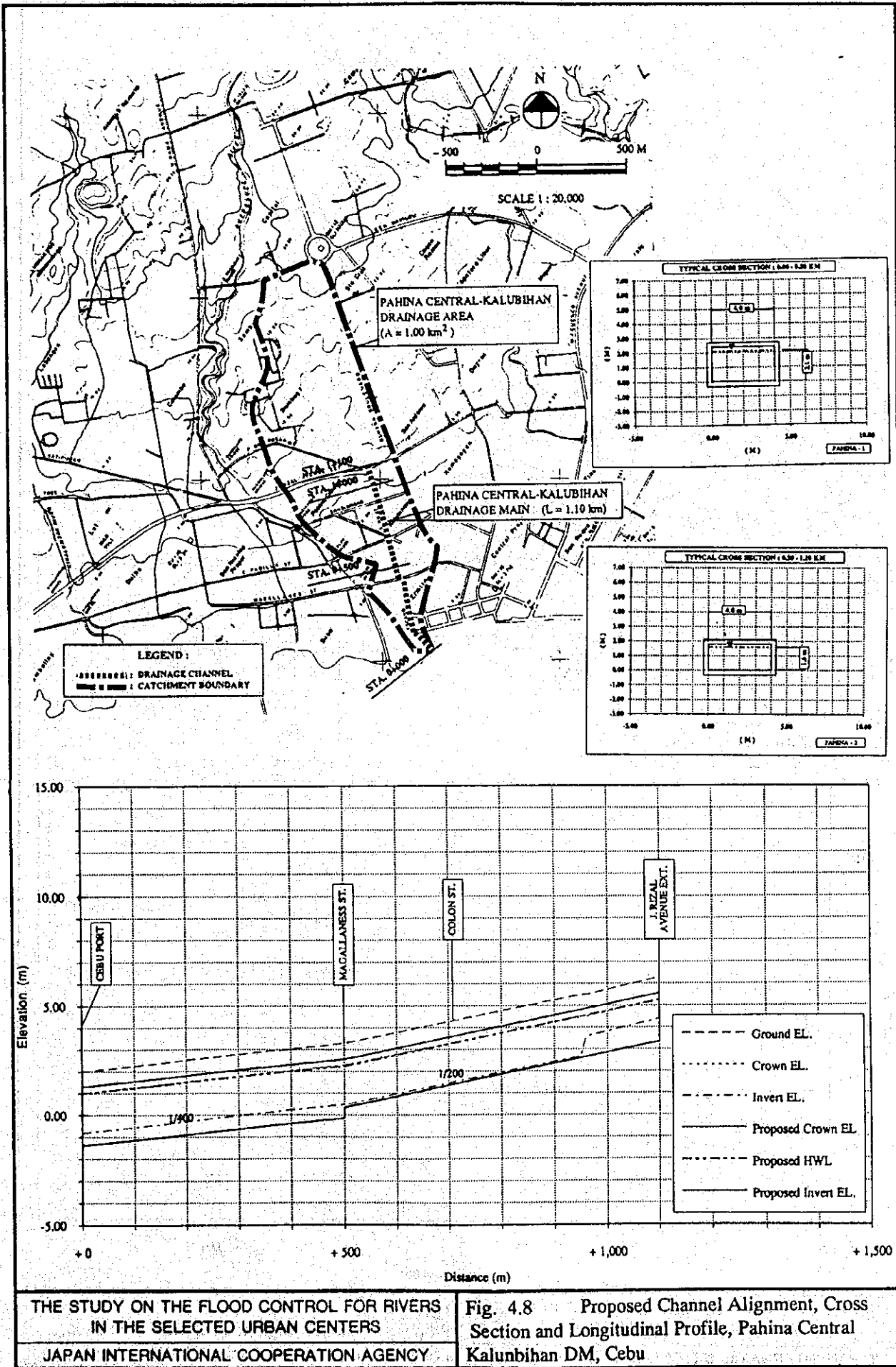
Fig. 4.5
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, Mabolo Creek, Cebu



THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

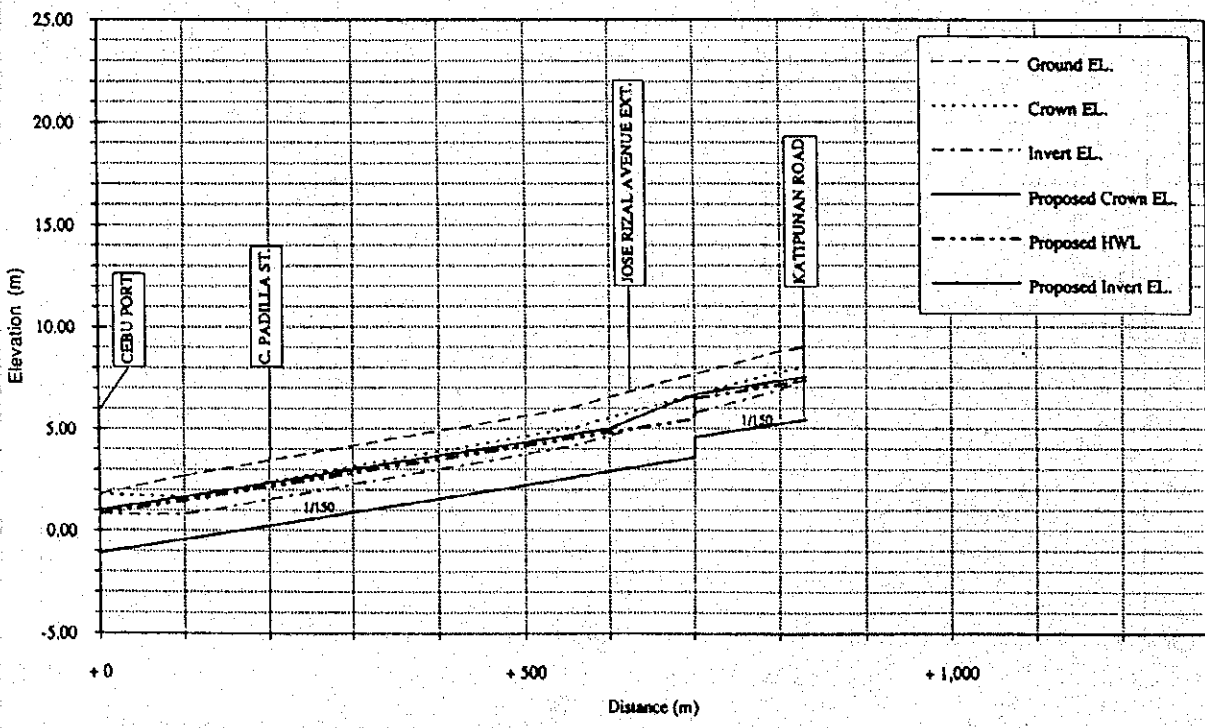
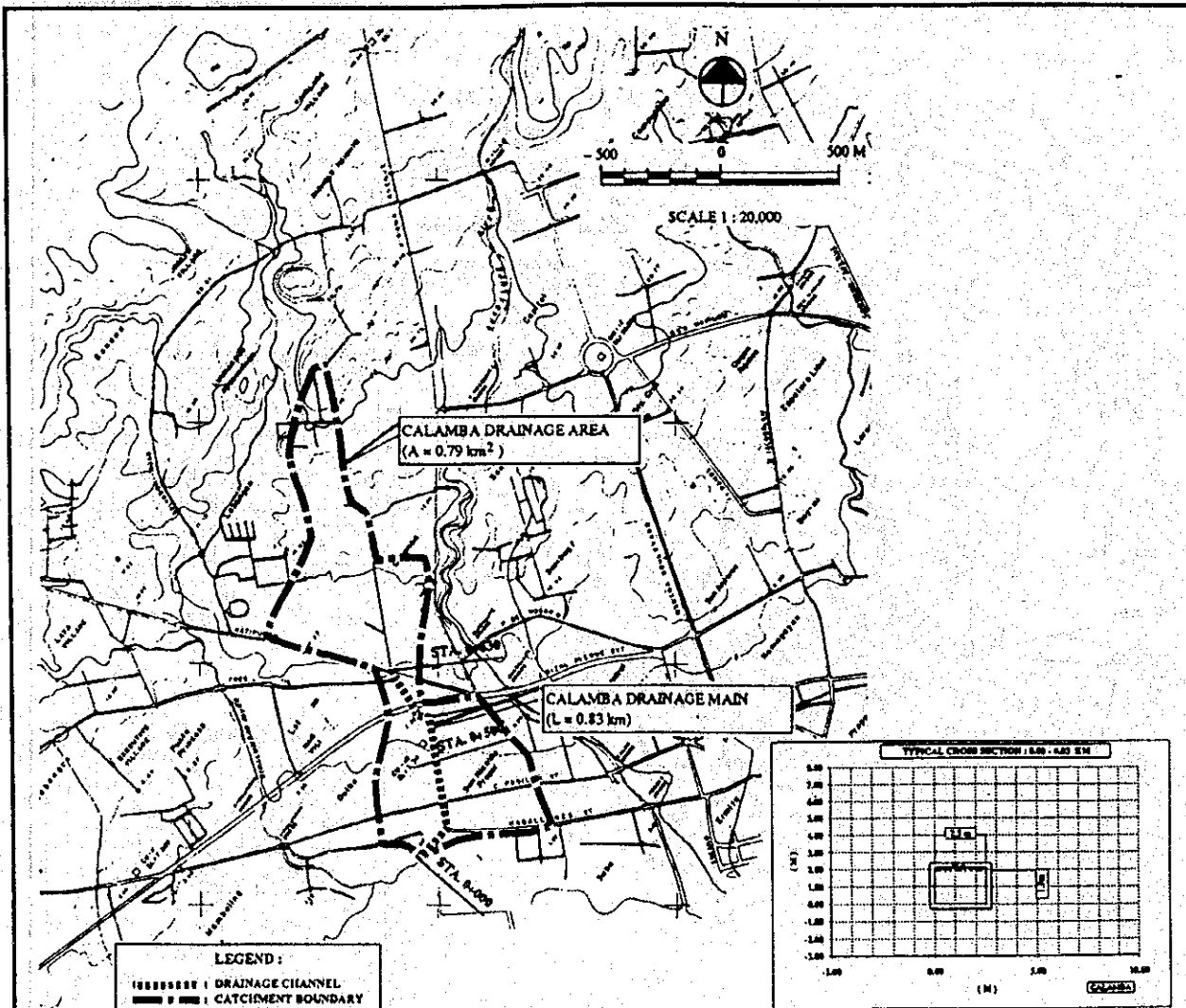
Fig. 4.6
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Lahug Tributary, Cebu





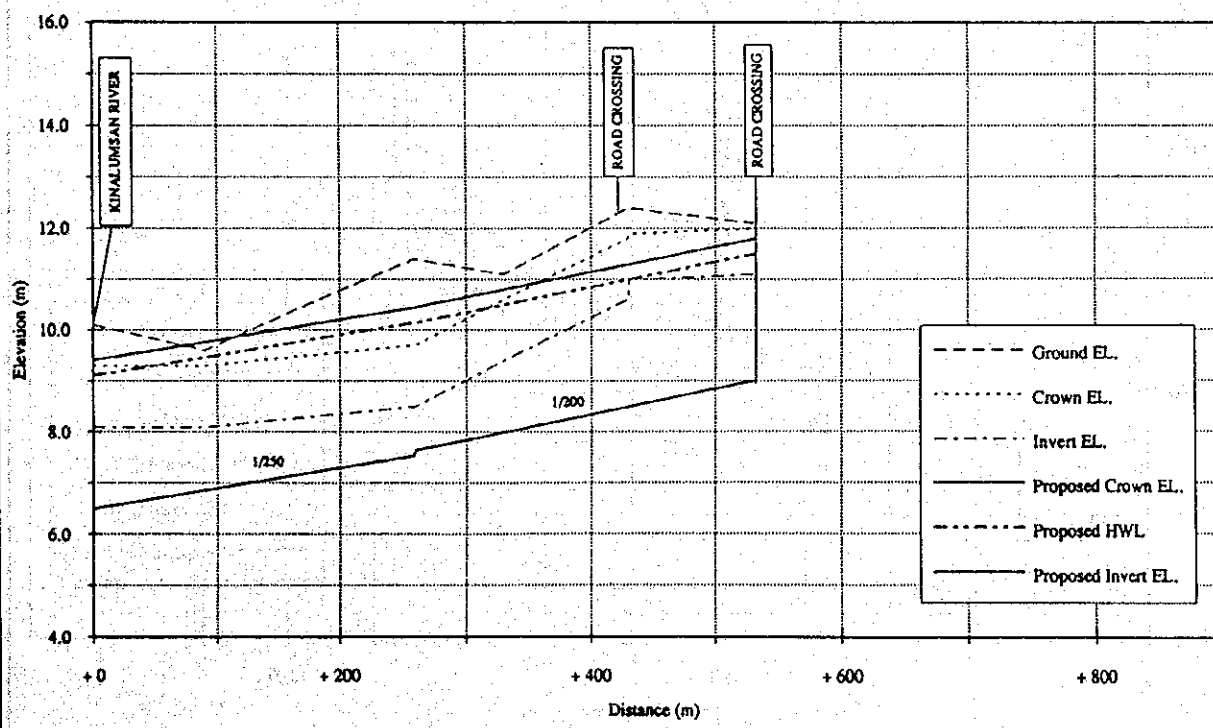
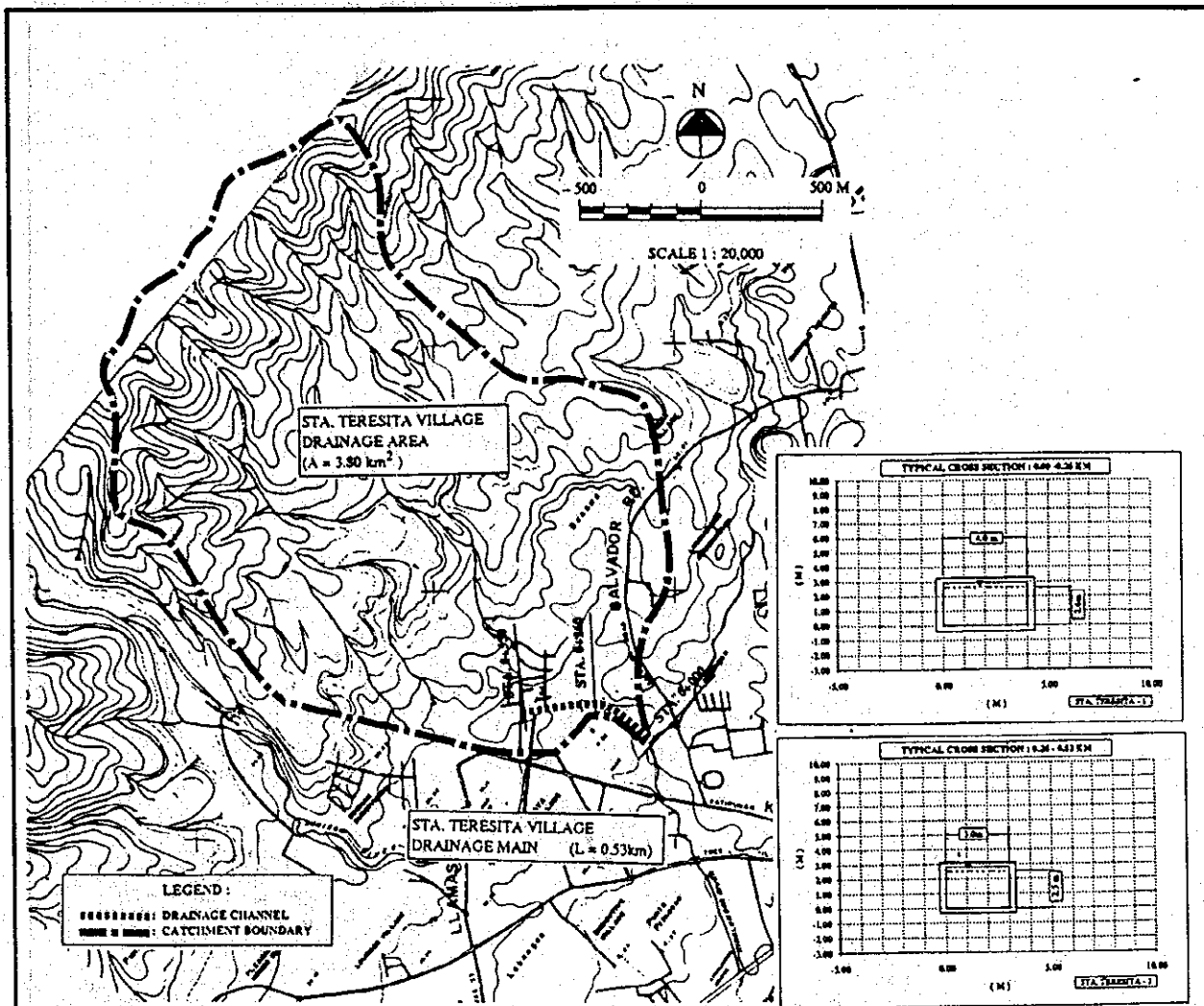
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.8 Proposed Channel Alignment, Cross Section and Longitudinal Profile, Pahina Central Kalubihan-DM, Cebu



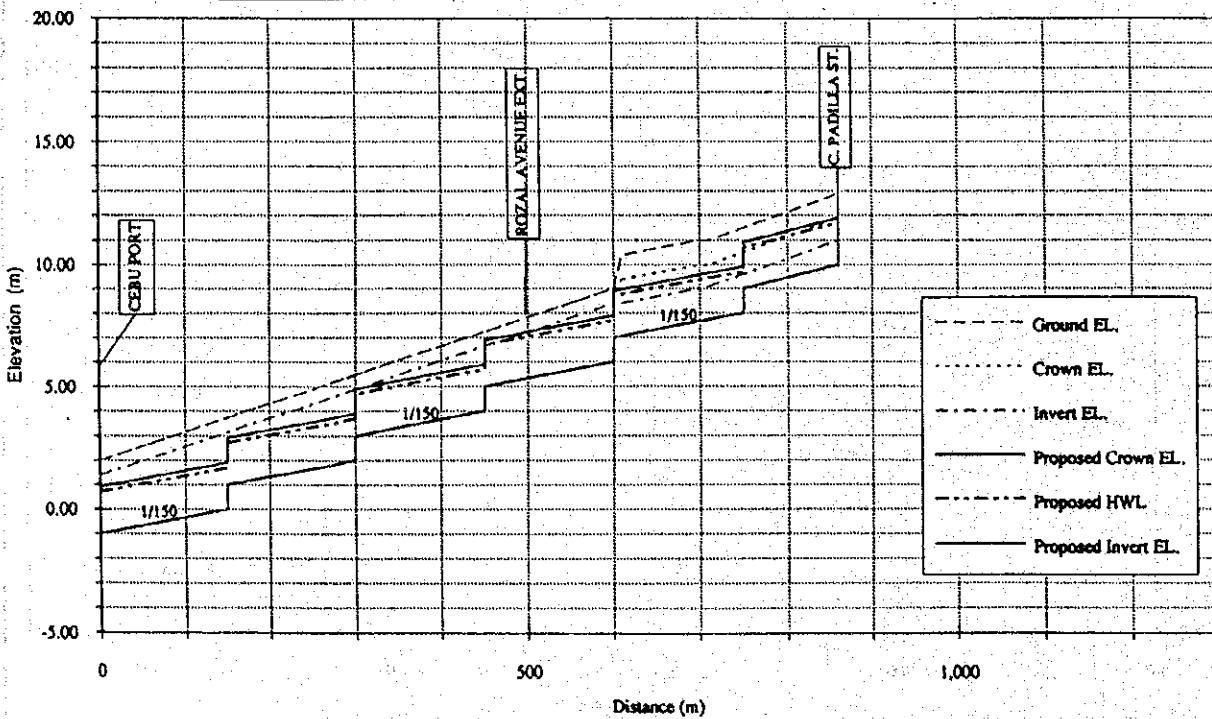
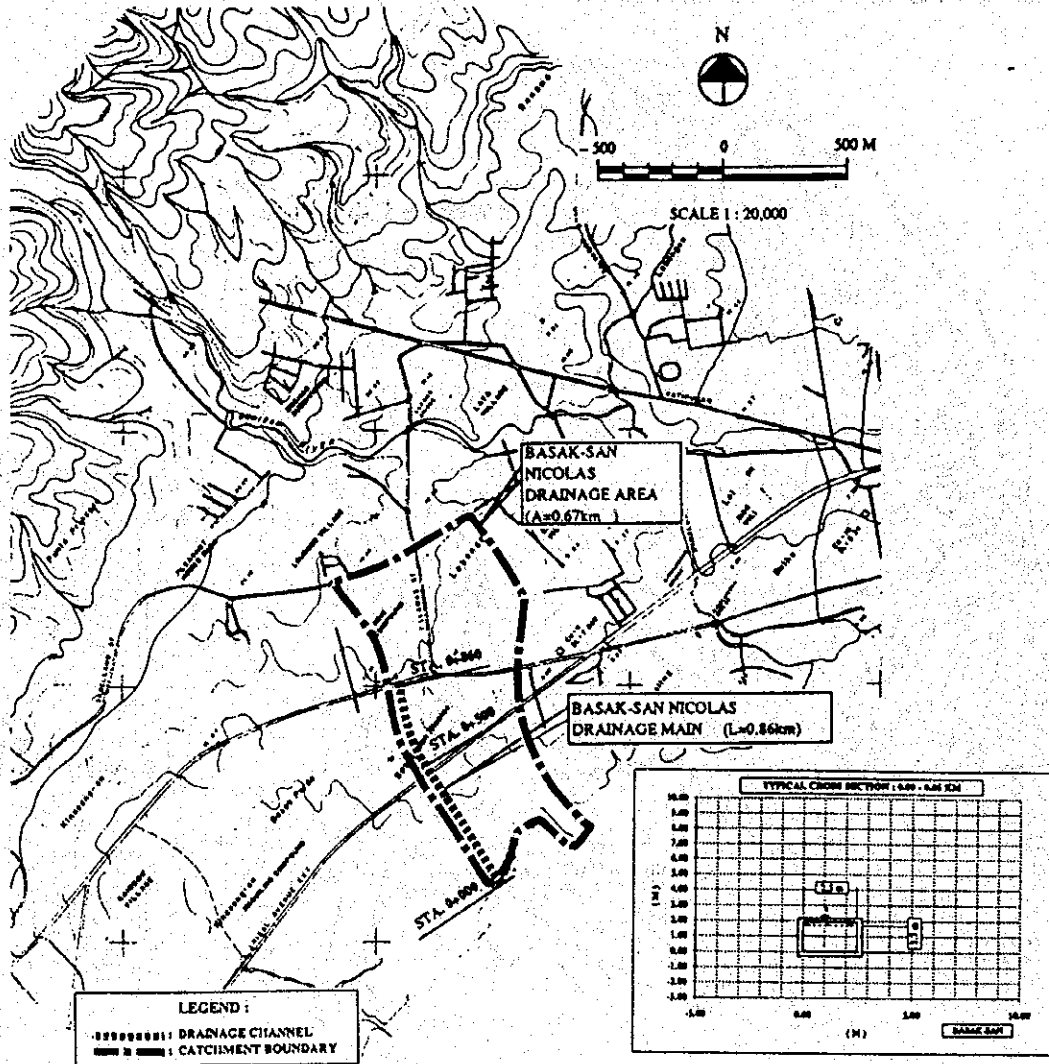
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
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Fig. 4.9
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Calamba DM, Cebu



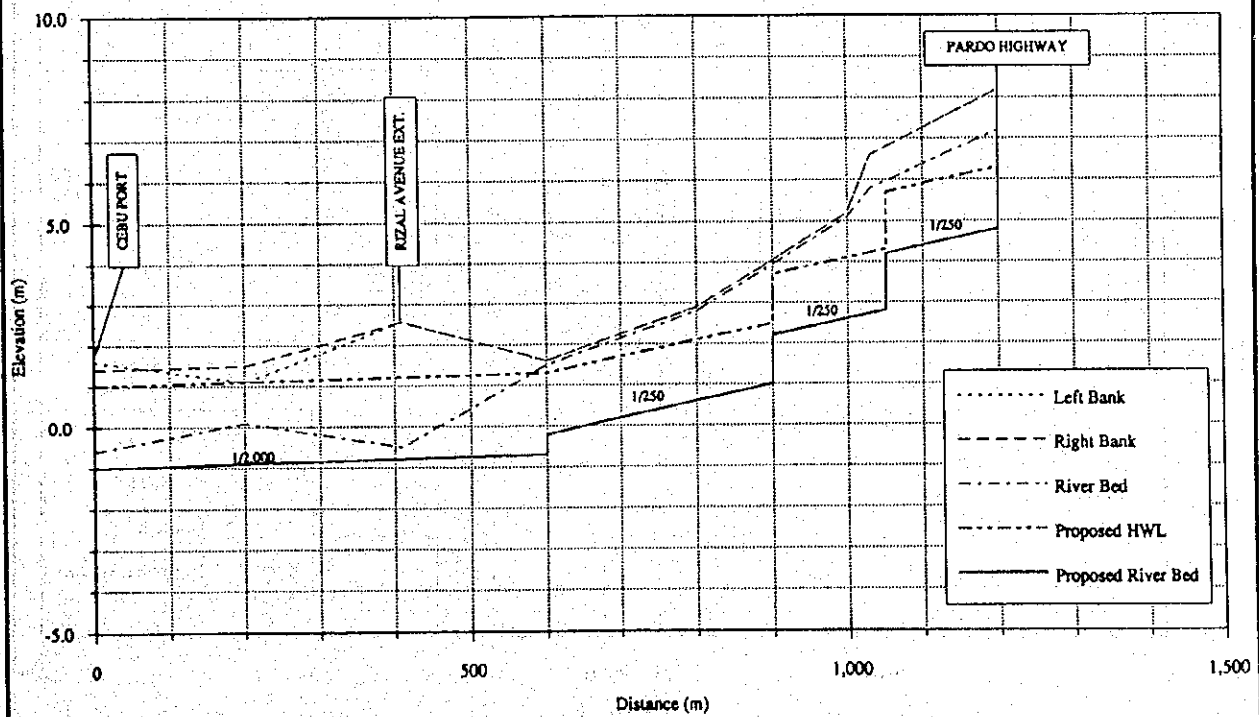
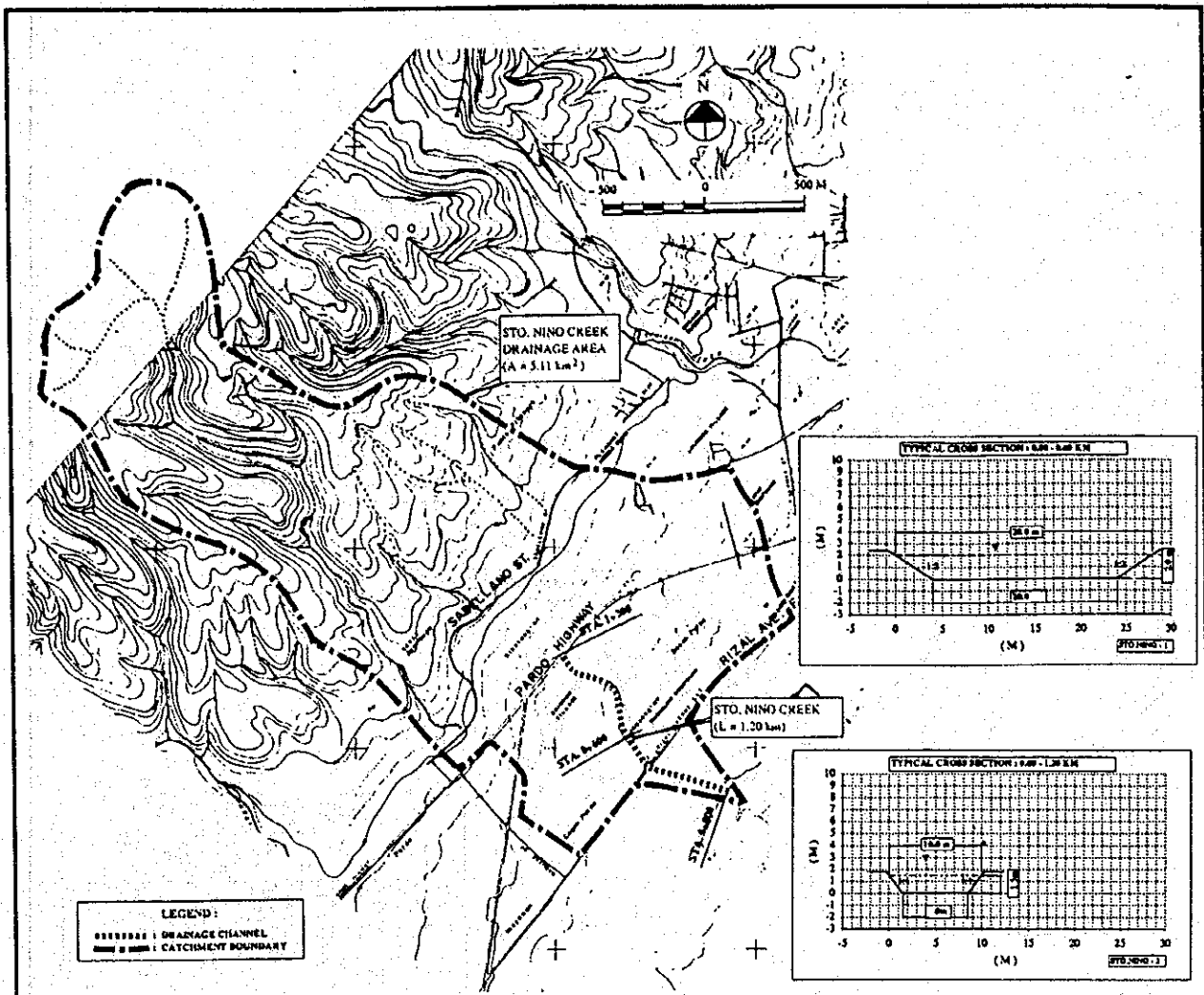
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.10
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Sta. Teresita Village DM, Cebu



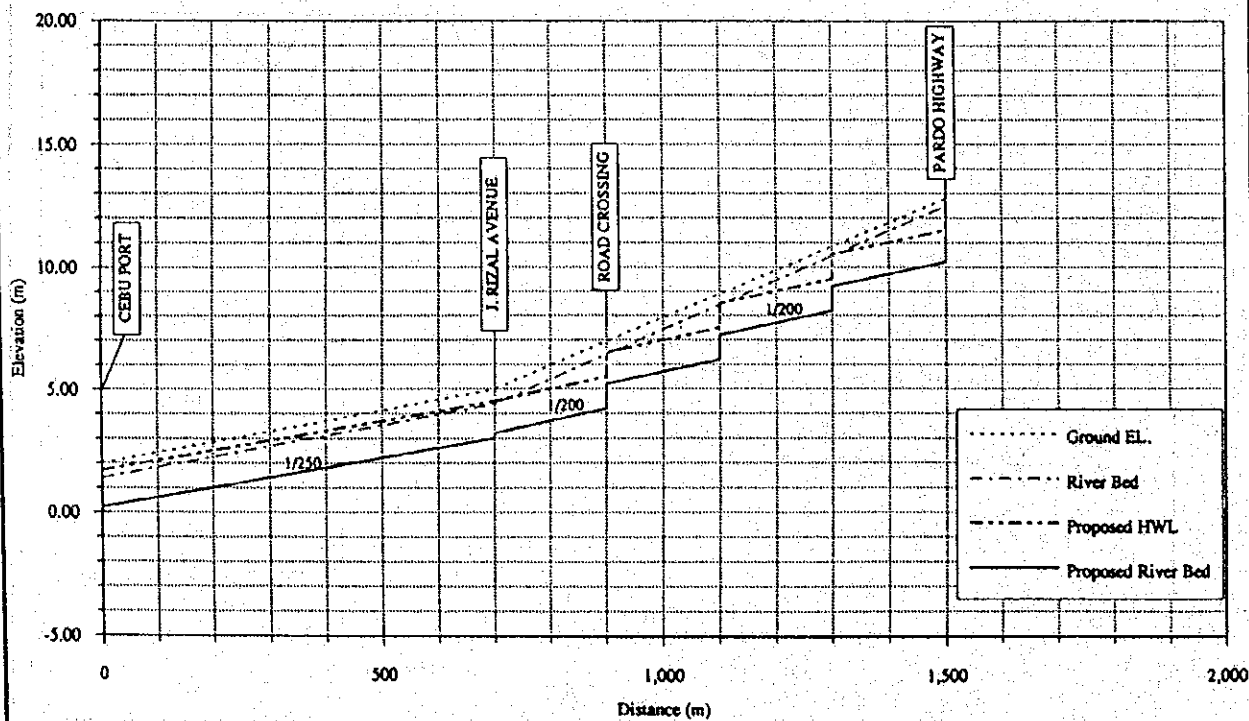
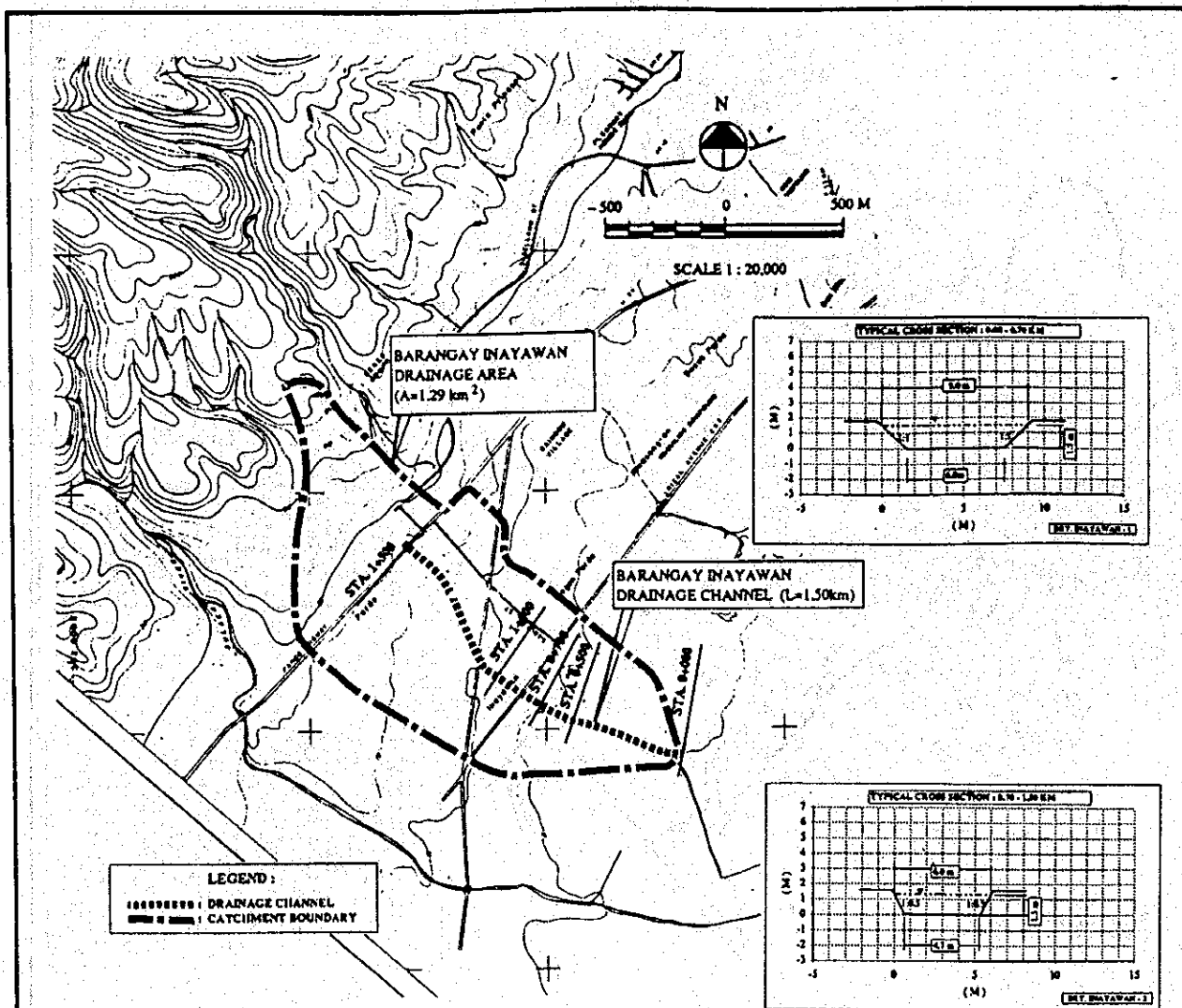
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.11
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, Basak-San Nicolas DM, Cebu



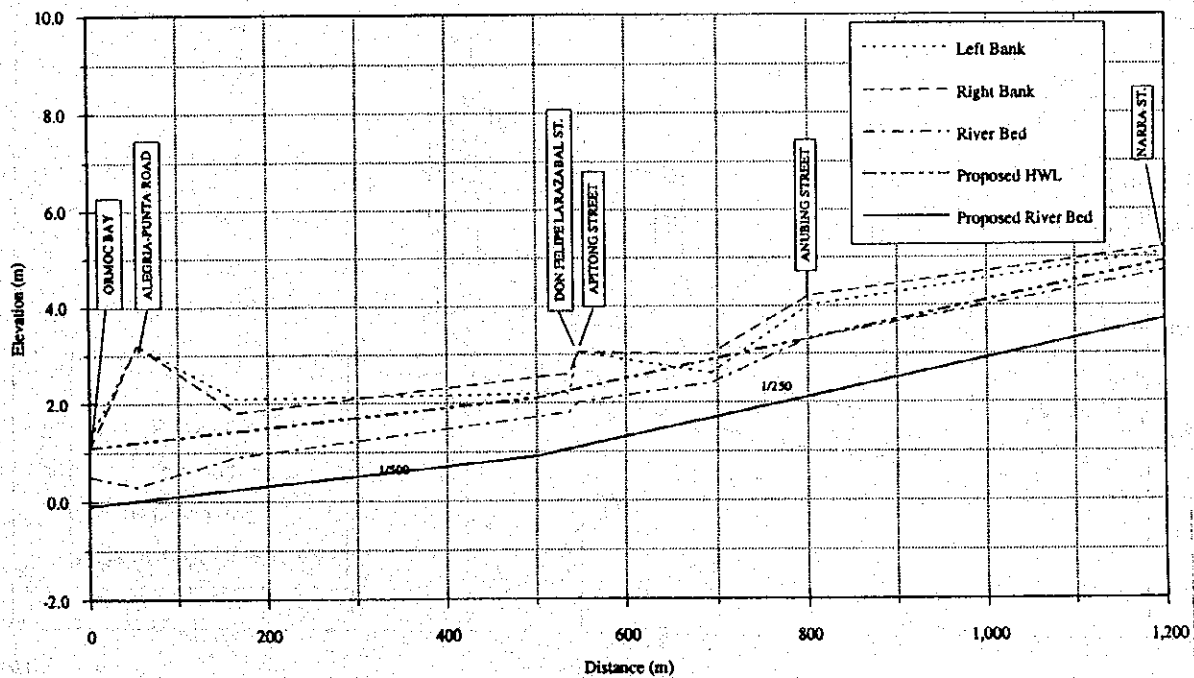
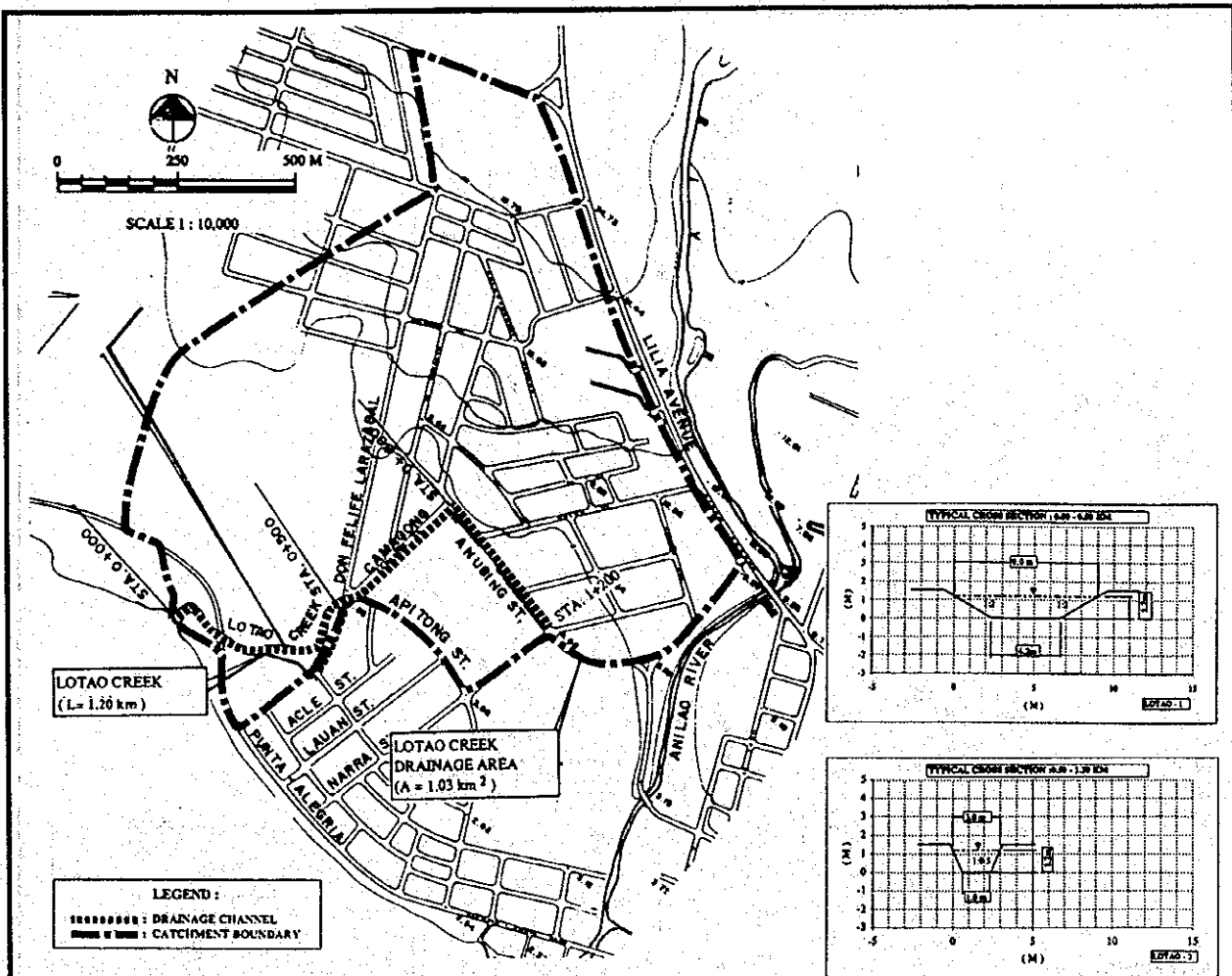
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.12
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Sto. Niño Creek, Cebu



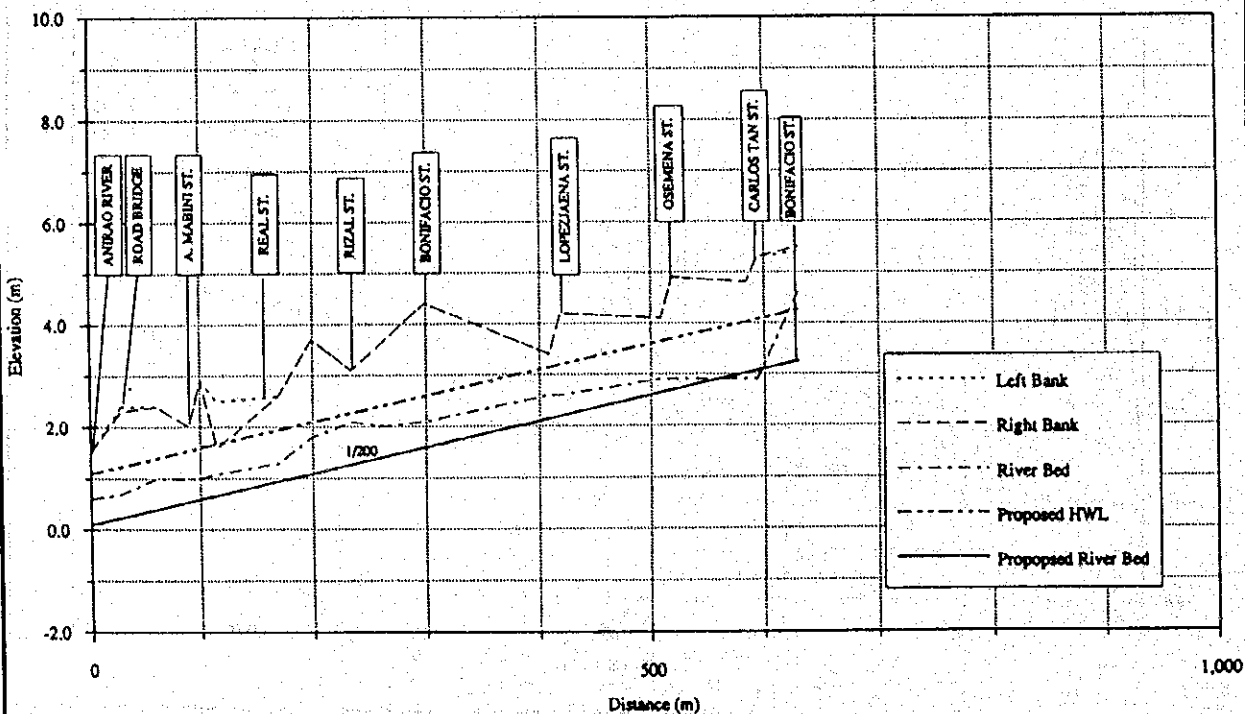
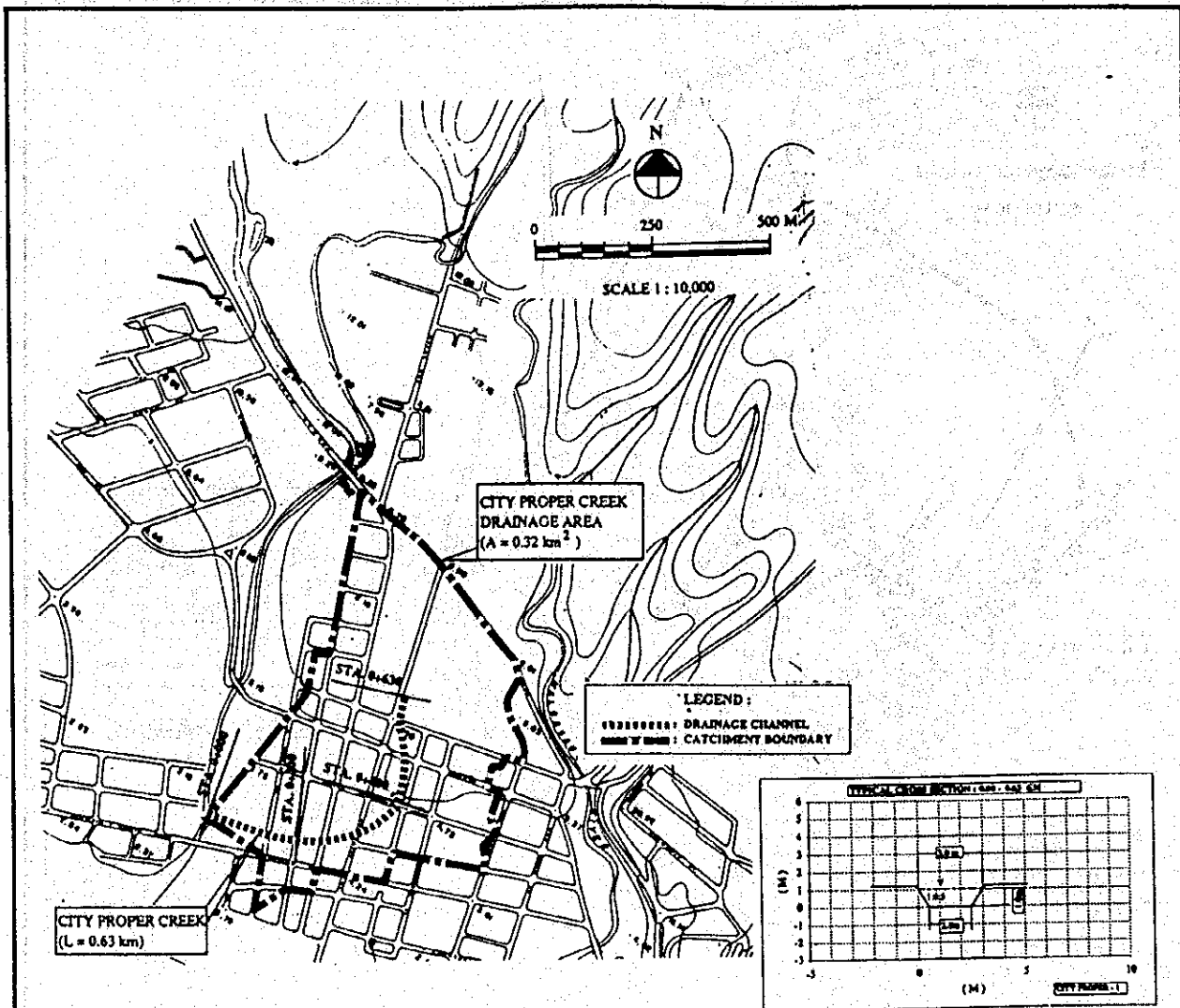
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.13
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Barangay Inayawan DC, Cebu



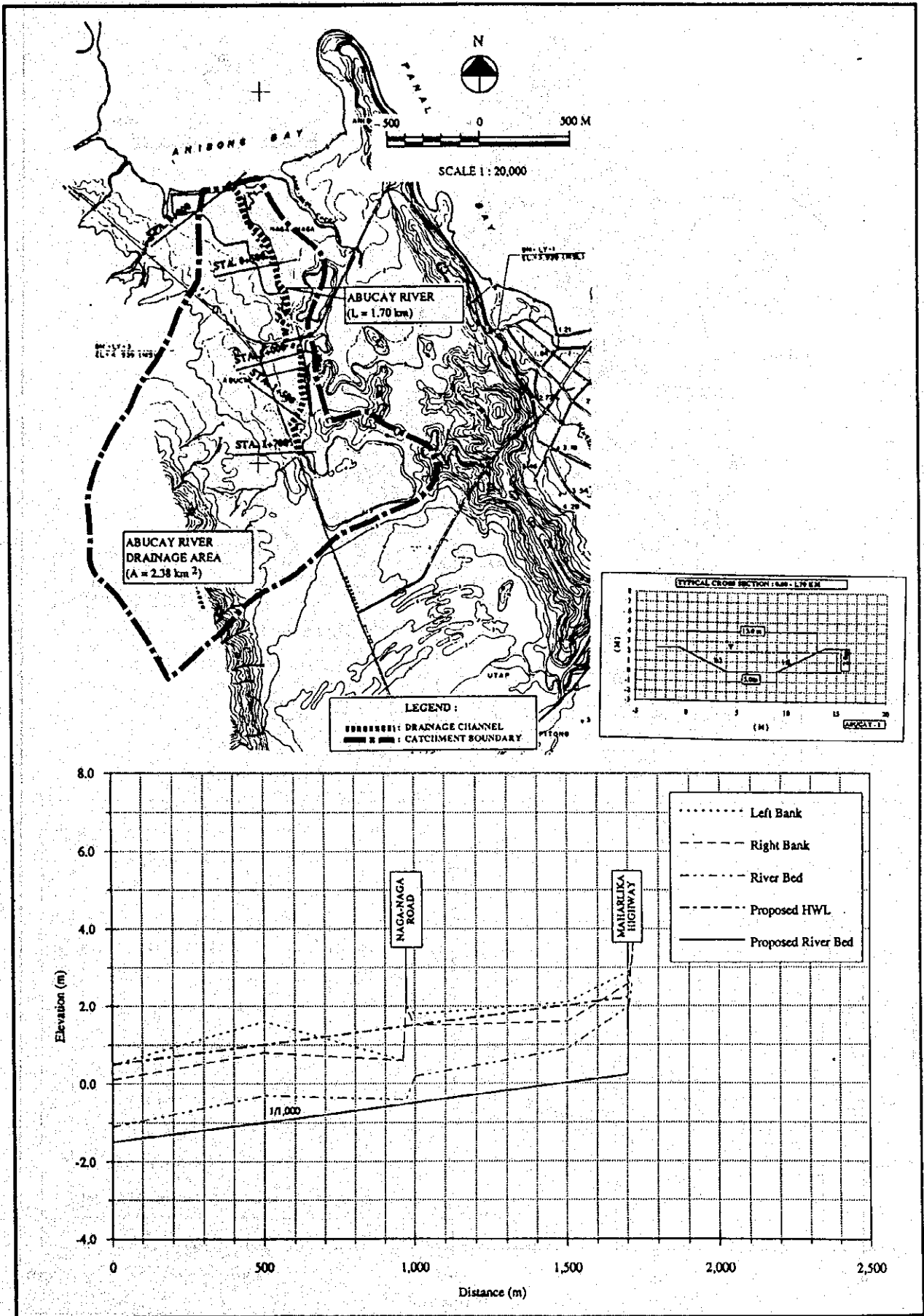
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.14
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Lotao Creek, Ormoc



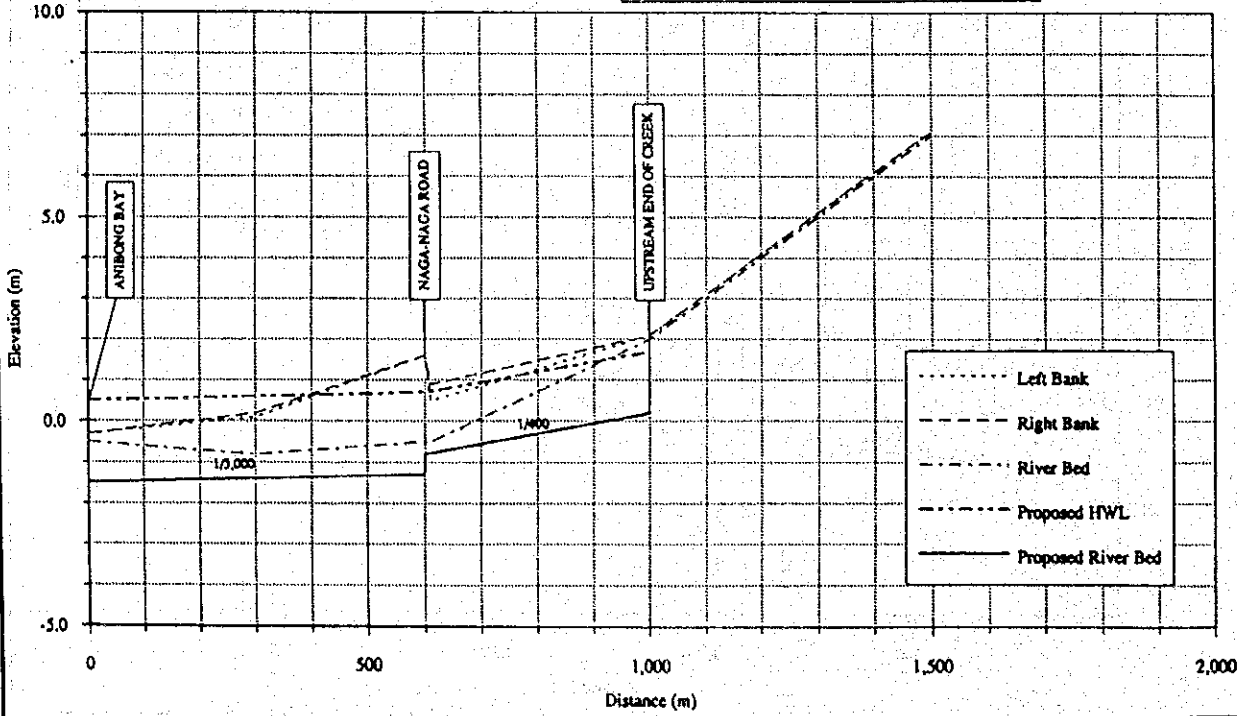
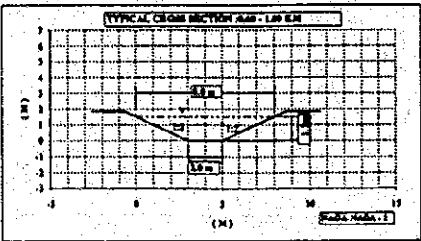
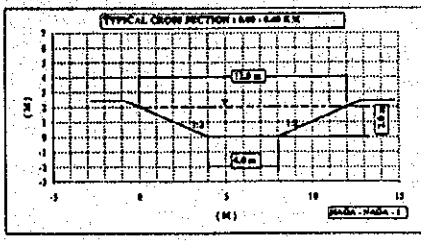
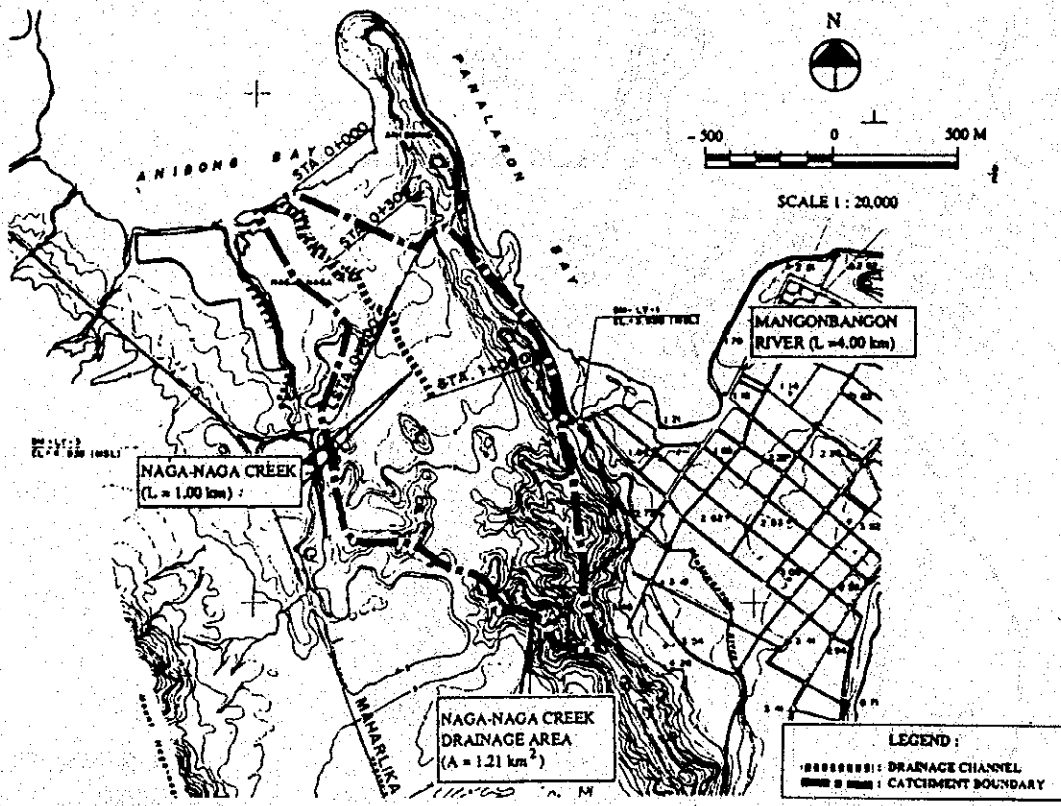
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.15
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, City Proper Creek, Ormoc



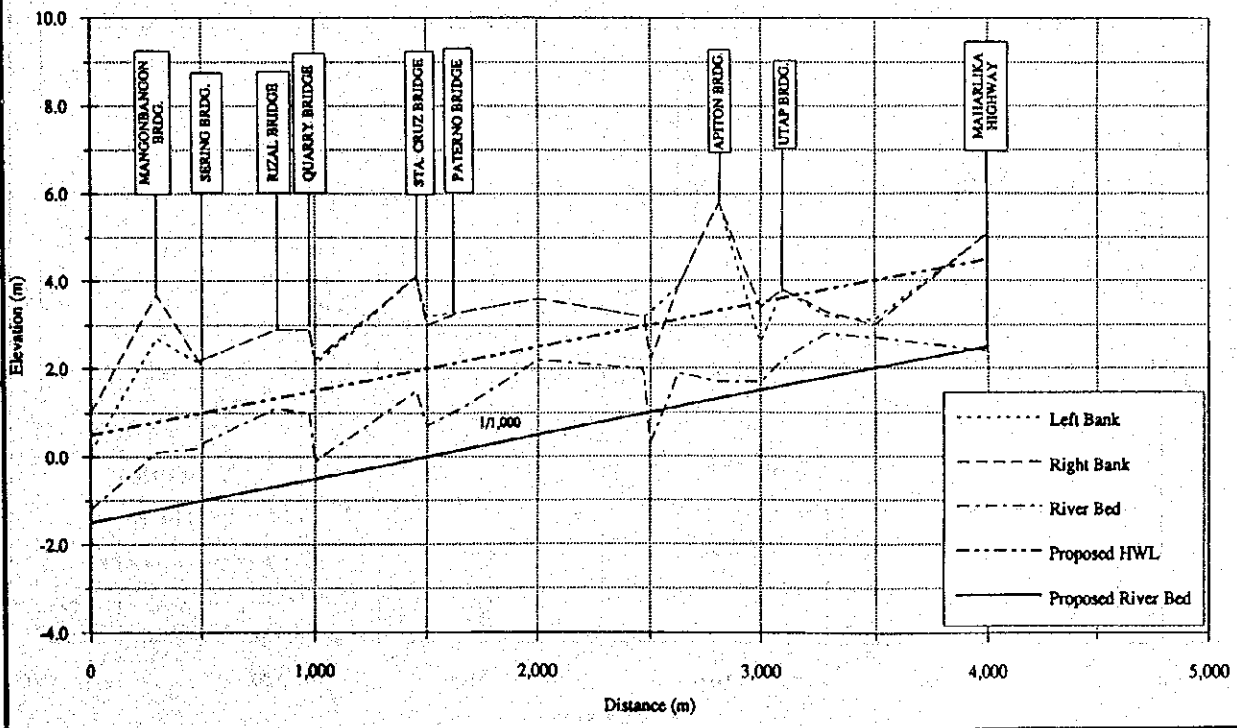
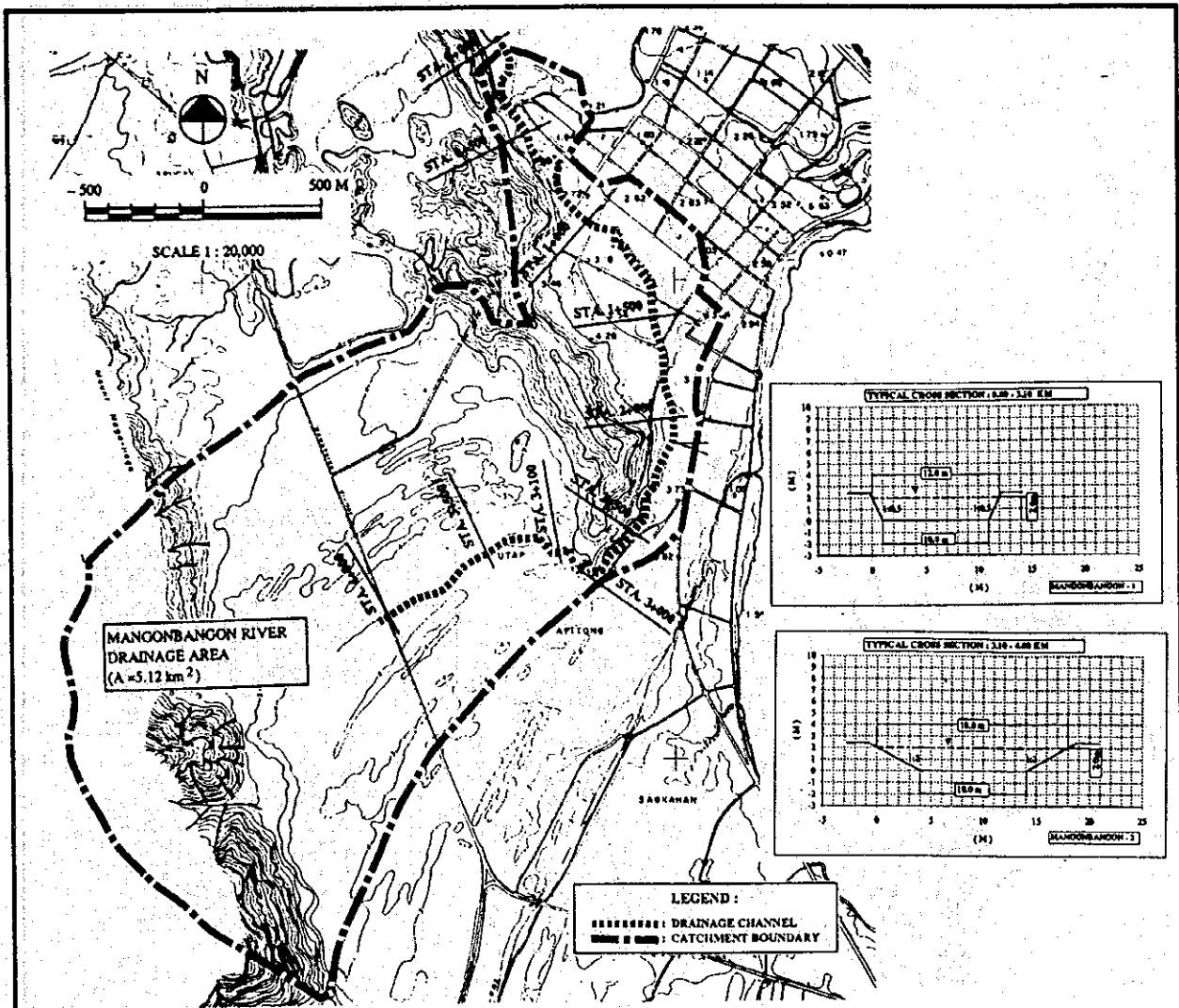
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.16
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Abucay River, Tacloban



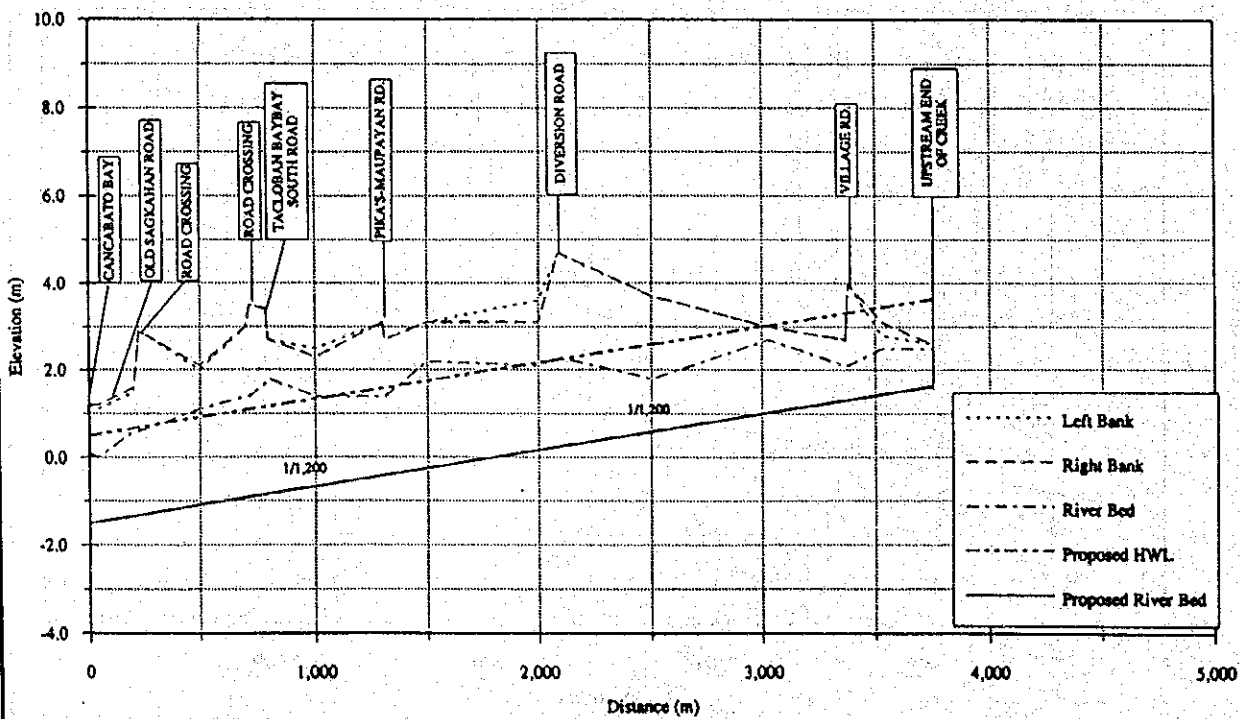
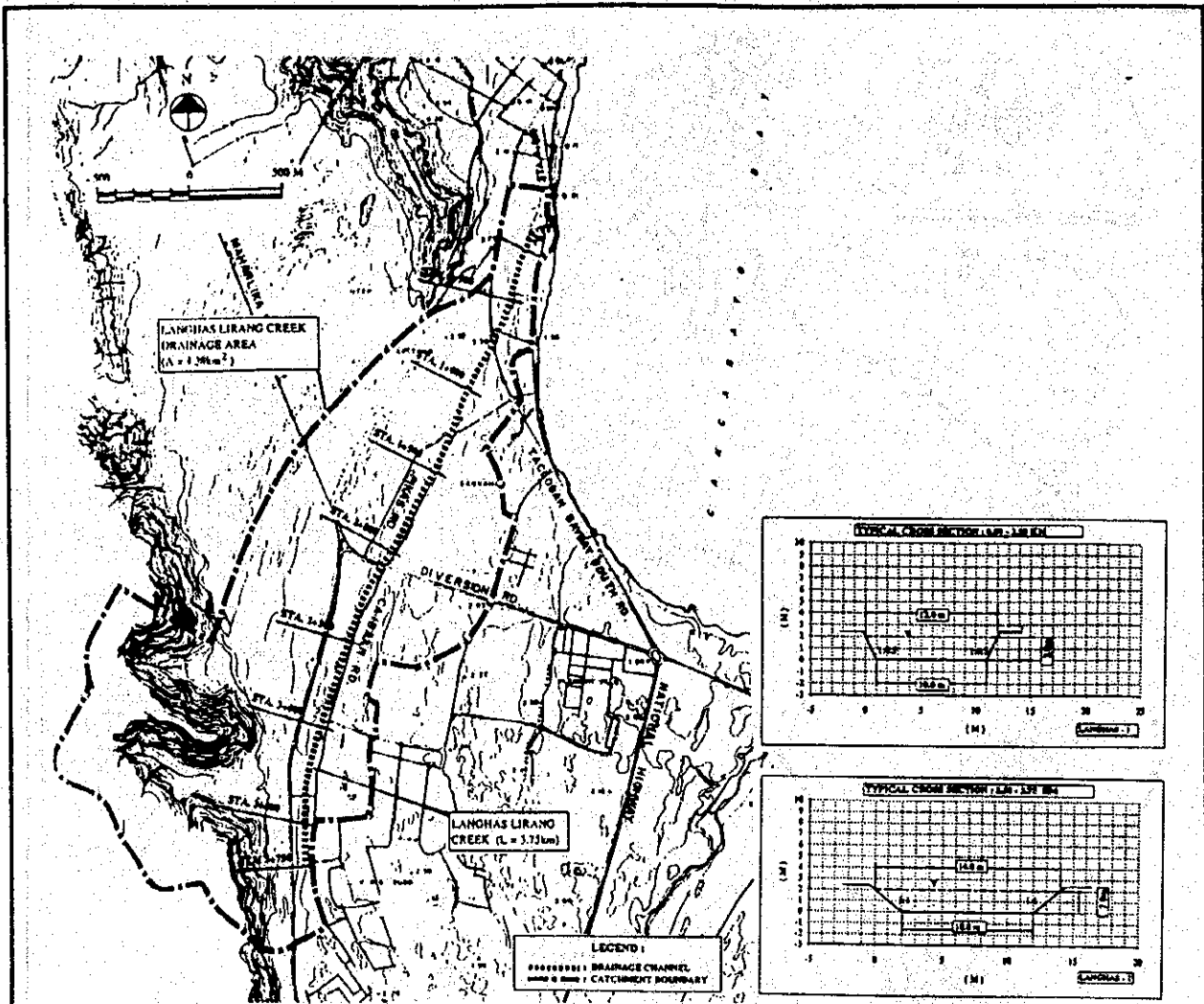
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.17
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, Naga-Naga Creek, Tacloban



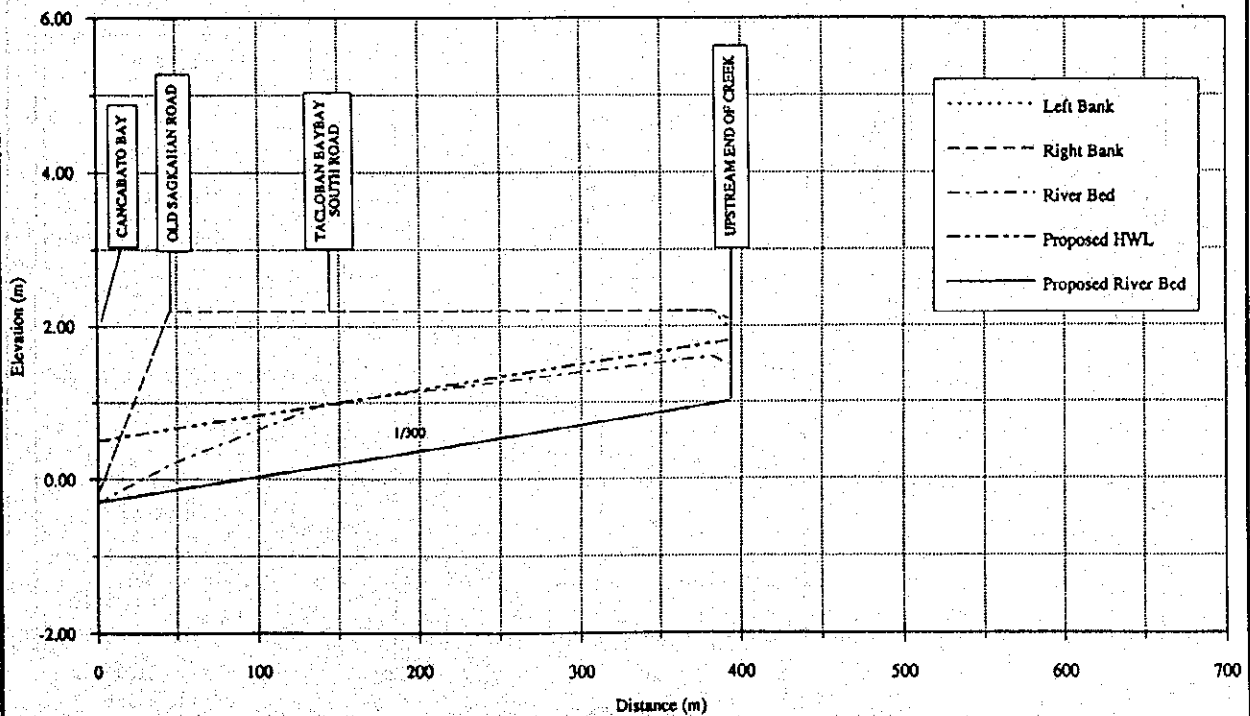
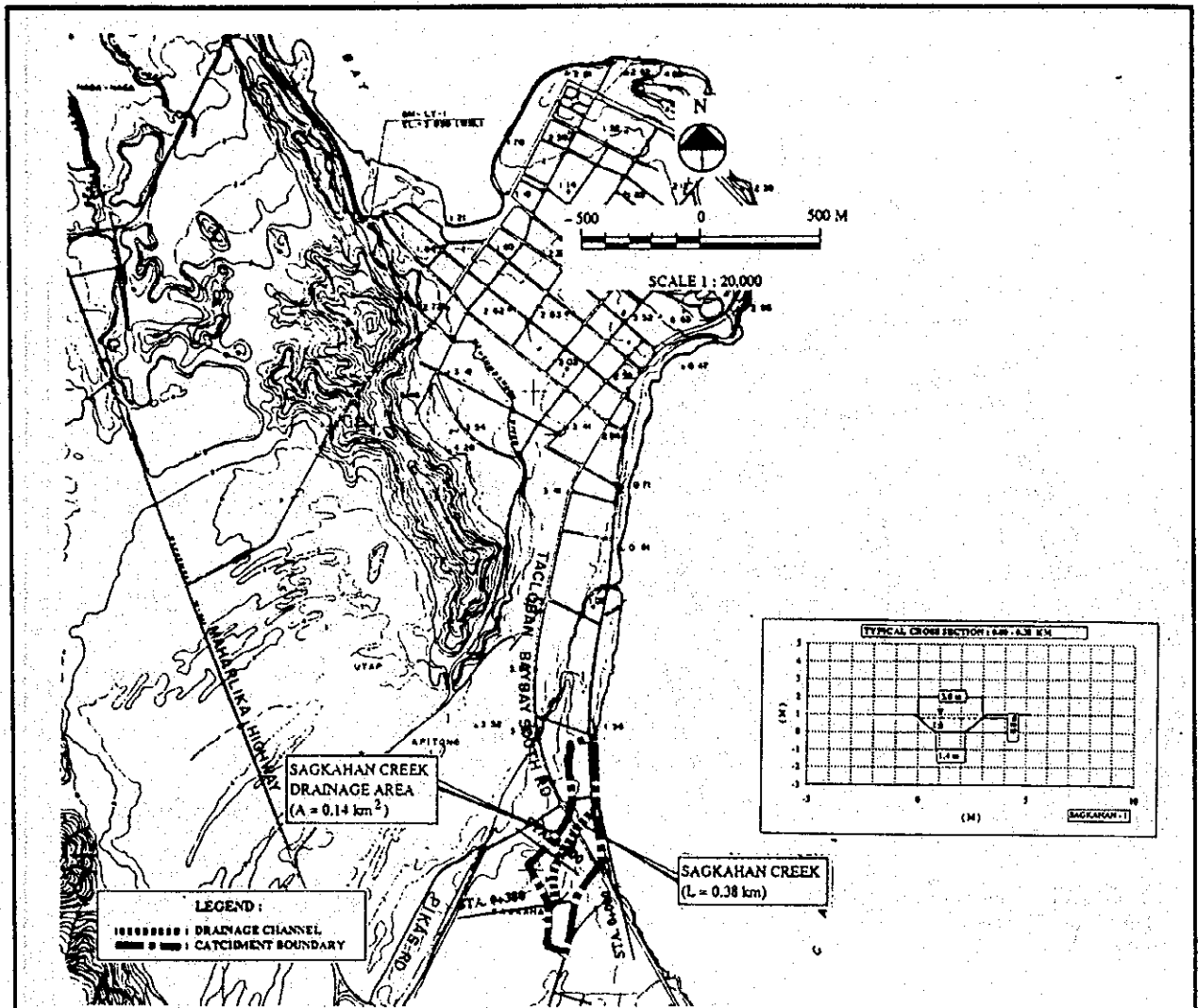
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
 IN THE SELECTED URBAN CENTERS
 JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 4.18
 Proposed Channel Alignment, Cross Section and
 Longitudinal Profile, Mangonbangon River, Tacloban



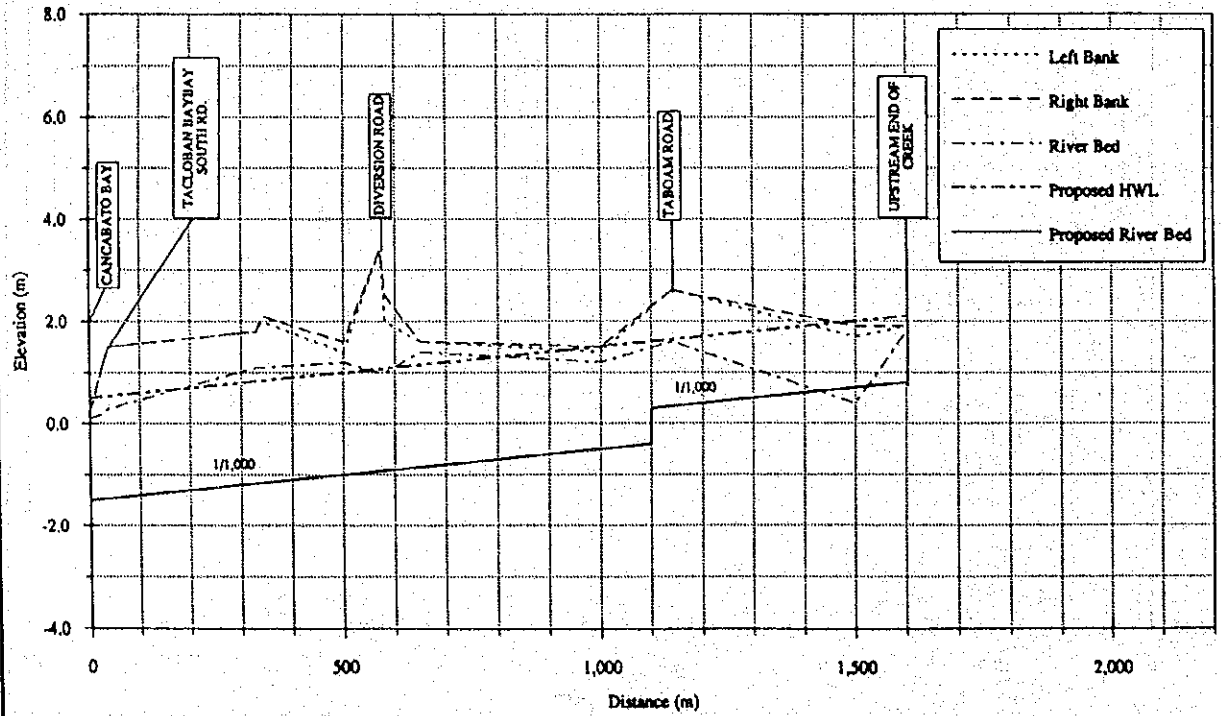
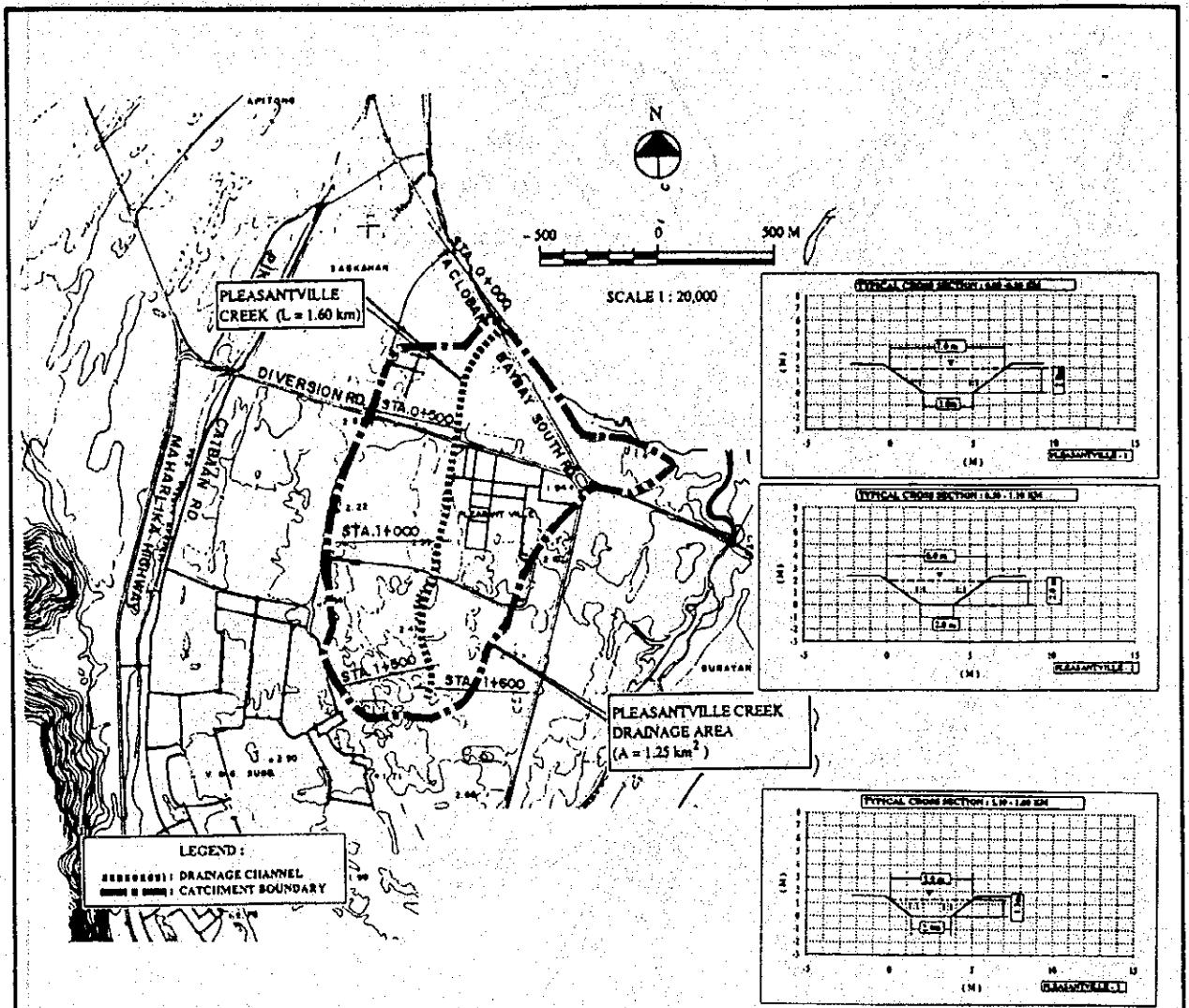
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
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Fig. 4.19
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, Langhas-Lirang Creek, Tacloban



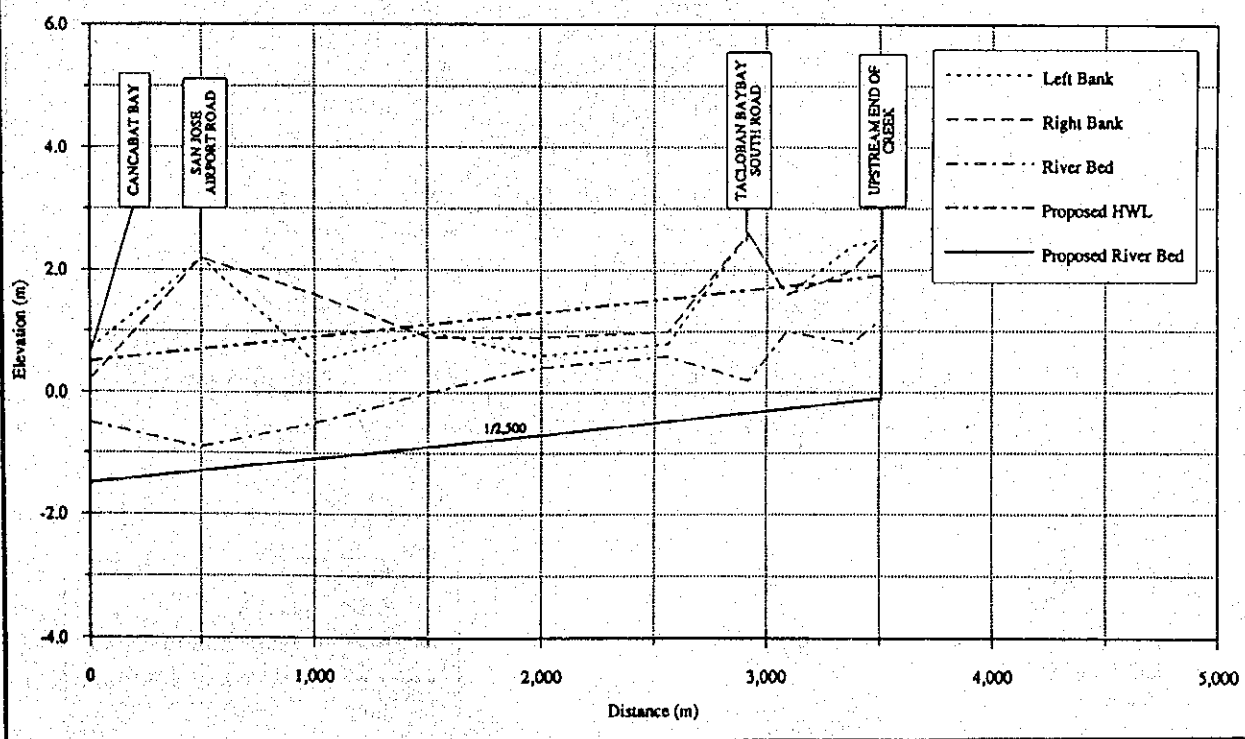
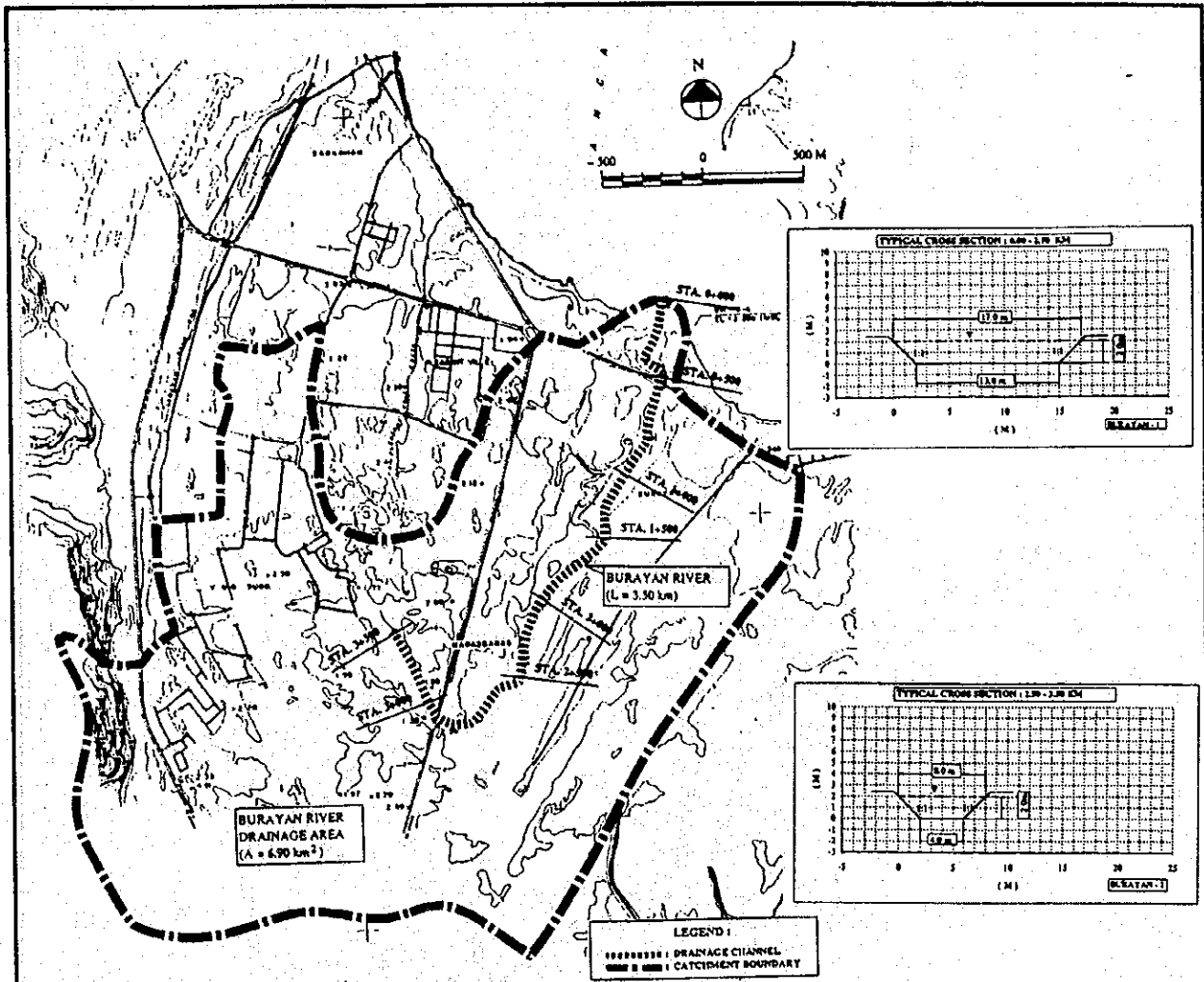
THE STUDY ON THE FLOOD CONTROL FOR RIVERS
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Fig. 4.20
Proposed Channel Alignment, Cross Section and
Longitudinal Profile, Sagkahan Creek, Tacloban



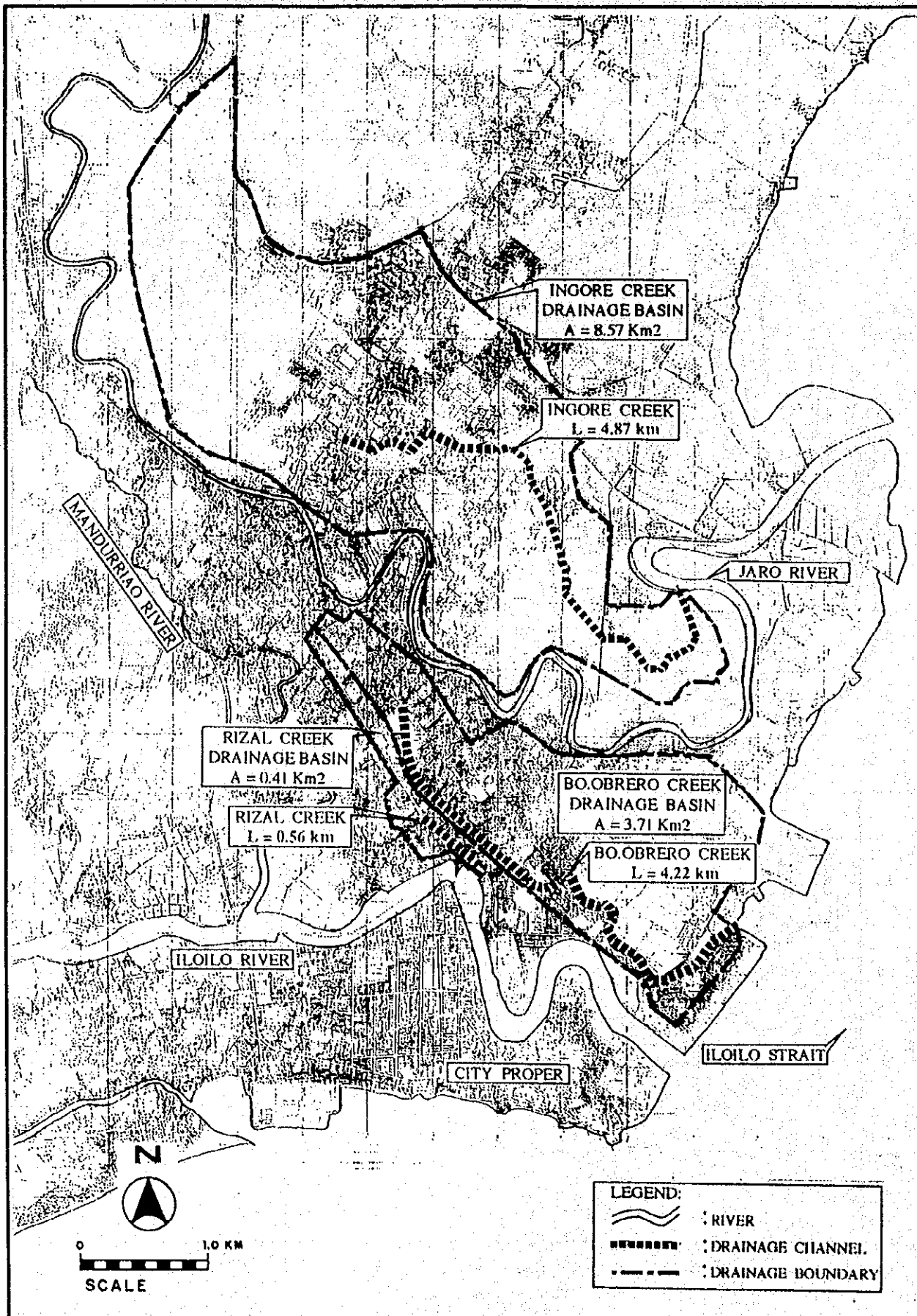
THE STUDY ON THE FLOOD CONTROL FOR RIVERS IN THE SELECTED URBAN CENTERS
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Fig. 4.21
 Proposed Channel Alignment, Cross Section and Longitudinal Profile, Pleasantville Creek, Tacloban



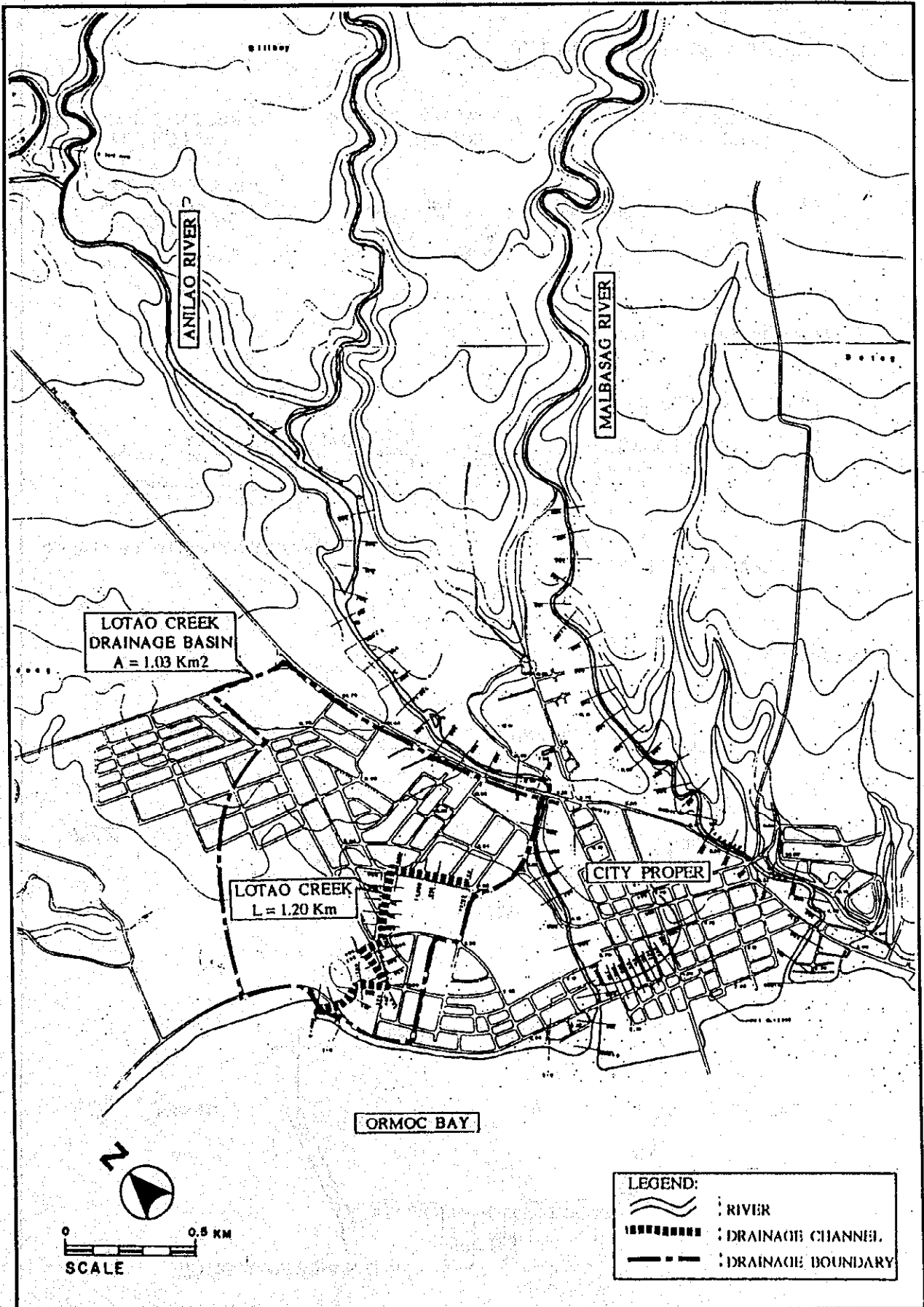
THE STUDY ON THE FLOOD CONTROL FOR RIVERS IN THE SELECTED URBAN CENTERS
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Fig. 4.22
 Proposed Channel Alignment, Cross Section and Longitudinal Profile, Burayan River, Tacloban



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Fig. 5.1
Objective Drainage Basin (Iloilo City)

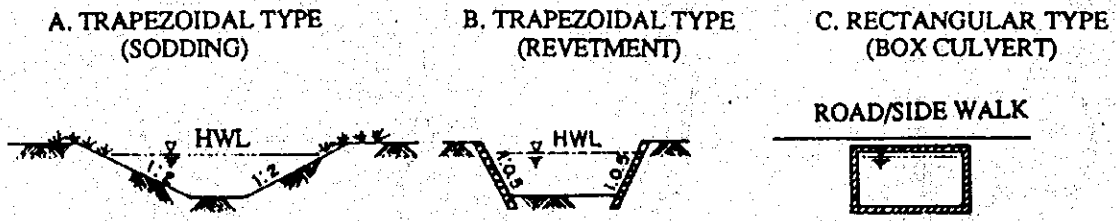


THE STUDY ON THE FLOOD CONTROL FOR RIVERS
IN THE SELECTED URBAN CENTERS

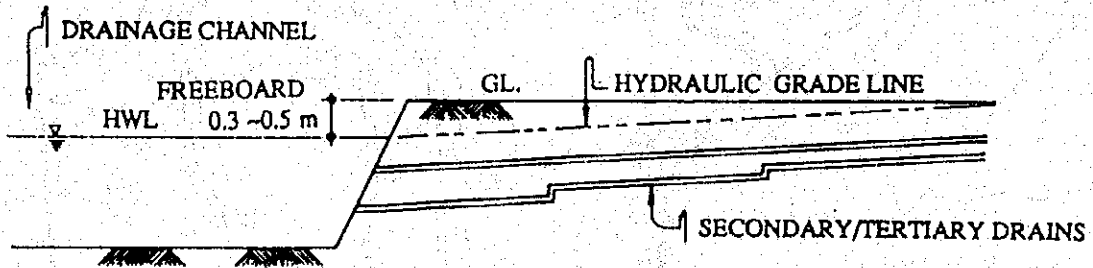
JAPAN INTERNATIONAL COOPERATION AGENCY

Fig. 5.2
Objective Drainage Basin (Ormoc City)

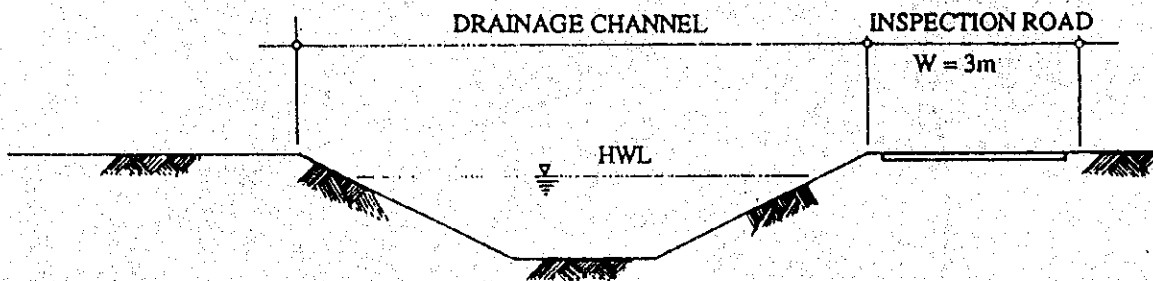
1. PROPOSED CROSS SECTION TYPE



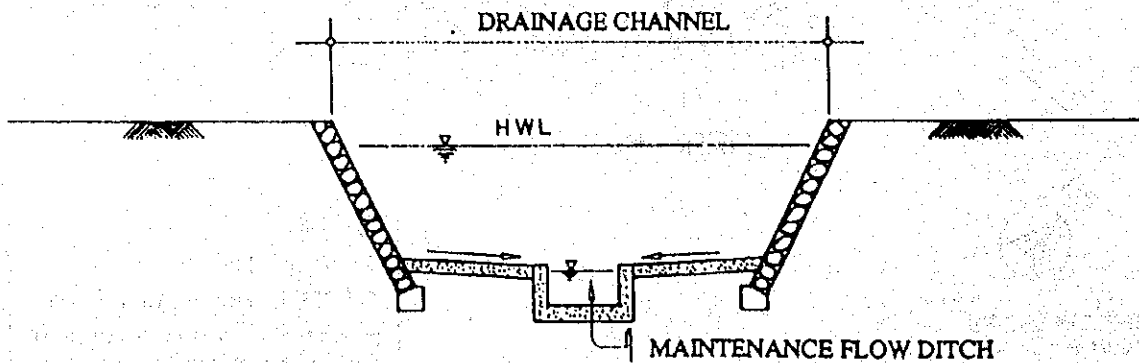
2. DESIGN HIGH WATER LEVEL



3. INSPECTION ROAD



4. MAINTENANCE FLOW DITCH



THE STUDY ON THE FLOOD CONTROL FOR RIVERS
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Fig. 5.3
Basic Design of Drainage Channel Improvement

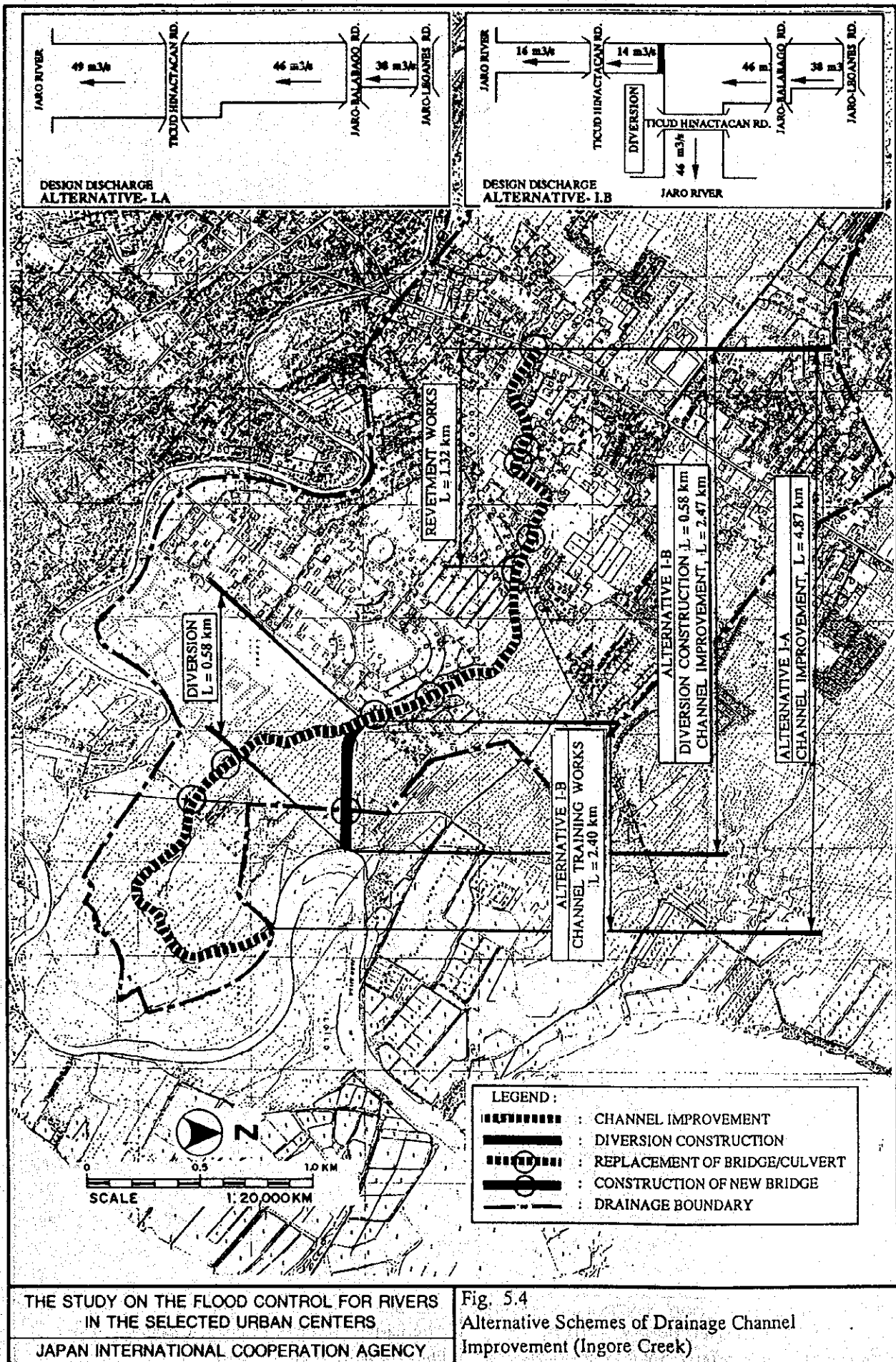


Fig. 5.4
 Alternative Schemes of Drainage Channel Improvement (Ingore Creek)