

REPUBLIC OF THE PHILIPPINES

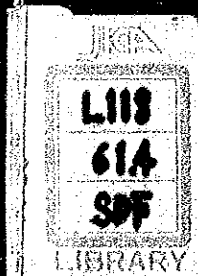
**FEASIBILITY STUDY
FOR
THE METRO MANILA OUTER MAJOR ROADS
PROJECT
(SOUTHERN PACKAGE)**

**FINAL REPORT
DRAWINGS**

March 1982

**JAPAN INTERNATIONAL
COOPERATION AGENCY**

**MINISTRY OF PUBLIC
WORKS AND HIGHWAYS**



SDF

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| | |
|------------------|------------|
| 国際協力事業団 | |
| 受入 月日 84.9.24 | LE18 |
| 登録No. 09888 | 614 SDF |

DRAWING SCHEDULE

| INDEX OF SHEETS | SCALE | TOTAL NUMBER OF SHEET |
|--|--------------------------------|-----------------------|
| MAP OF THE PHILIPPINES AND PROJECT AREA (STUDY AREA) | 1 : 7,500,000 1 : 1,000,000 | 1 |
| MAP OF PROJECT AREA (DIRECT INFLUENCE ZONE) | 1 : 150,000 | 1 |
| TYPICAL CROSS SECTIONS | 1 : 200 | 3 |
| PLANS AND PROFILES | H=1:5,000 V=1:400 | 23 |
| INTERCHANGES | 1:5,000 | 5 |
| STRUCTURES | 1:400 1:200 | 25 |
| | | |
| | | |
| | | |
| | TOTAL | 58 |

LEGEND:

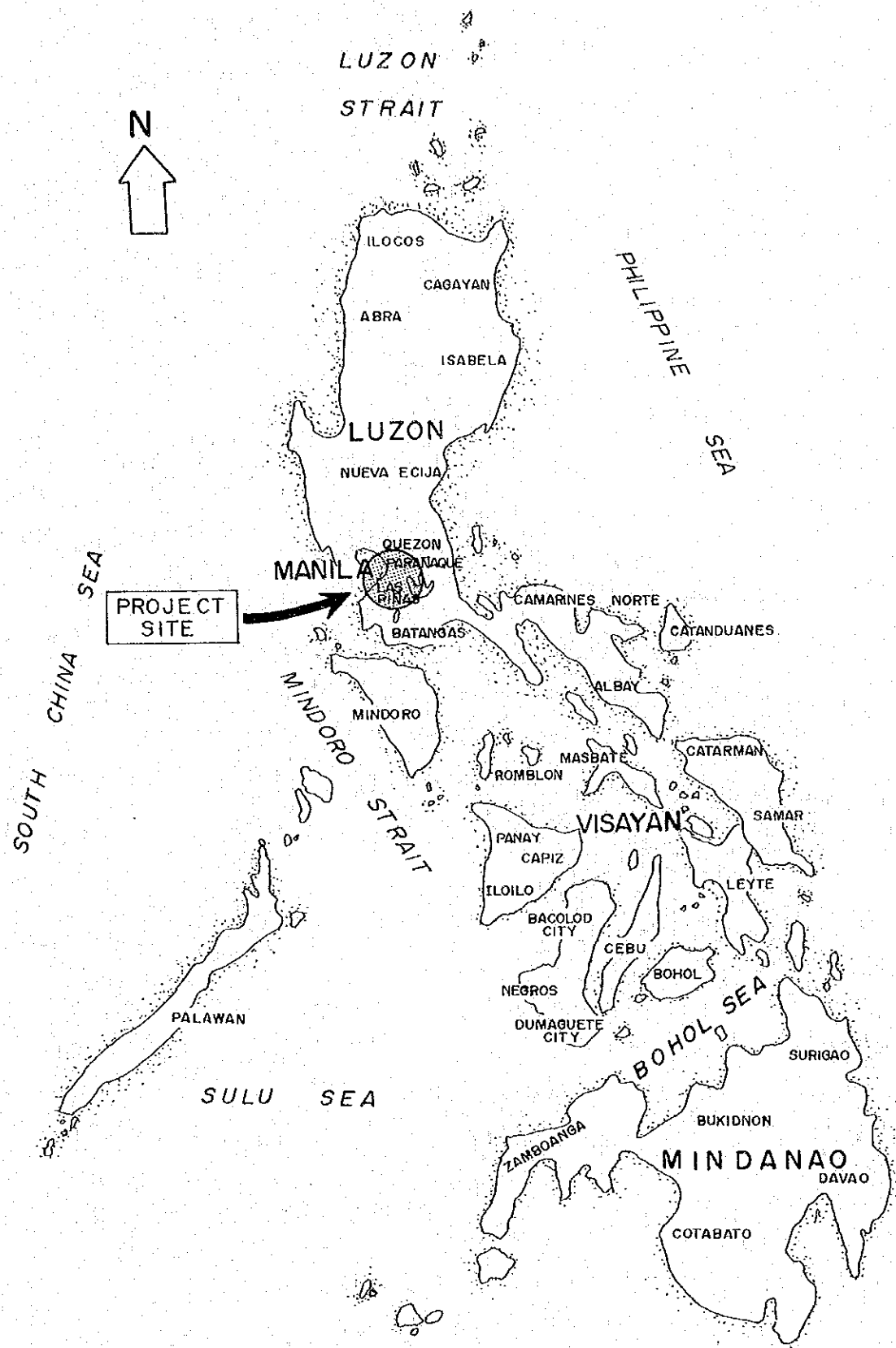
PLAN

- Center Line of Project Road
- Side Line of Project Road
- Boundary Line of Right of Way
- Station (Every one kilometer)
- Station (Every two hundred meter)
- Embankment
- Earth Cut
- Stone Masonry

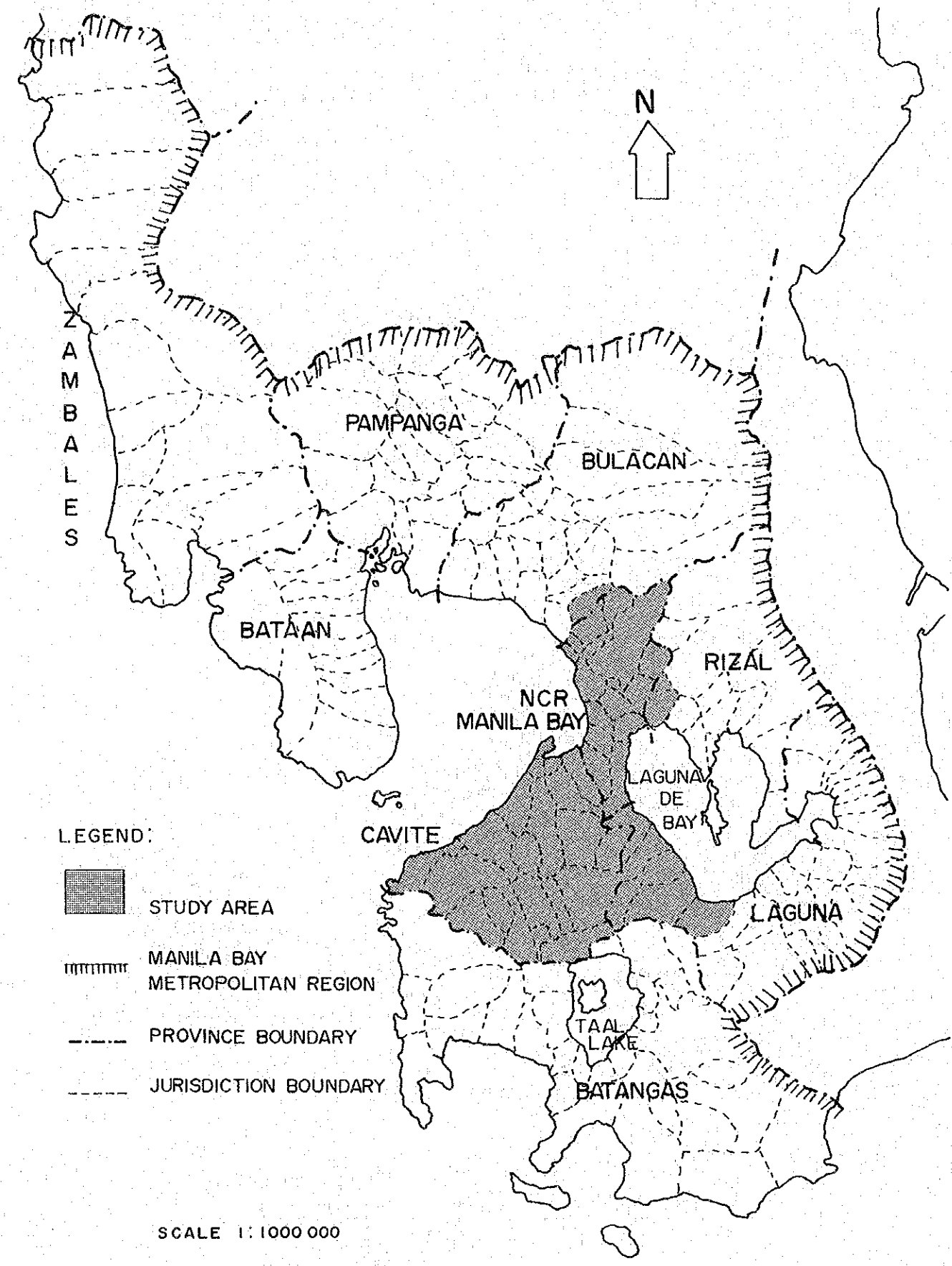
- Bridge
- Box Culvert
- Pedestrian Bridge





PROFILE

- Proposed Gradient Line
- Existing Ground Height
- Bridge
- Box Culvert
- Pedestrian Bridge

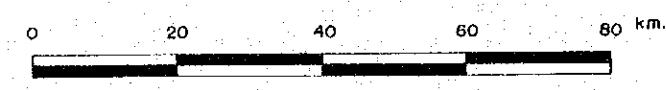


SCALE 1:7500000



- LEGEND:
-  STUDY AREA
 -  MANILA BAY METROPOLITAN REGION
 -  PROVINCE BOUNDARY
 -  JURISDICTION BOUNDARY

SCALE 1:1000000

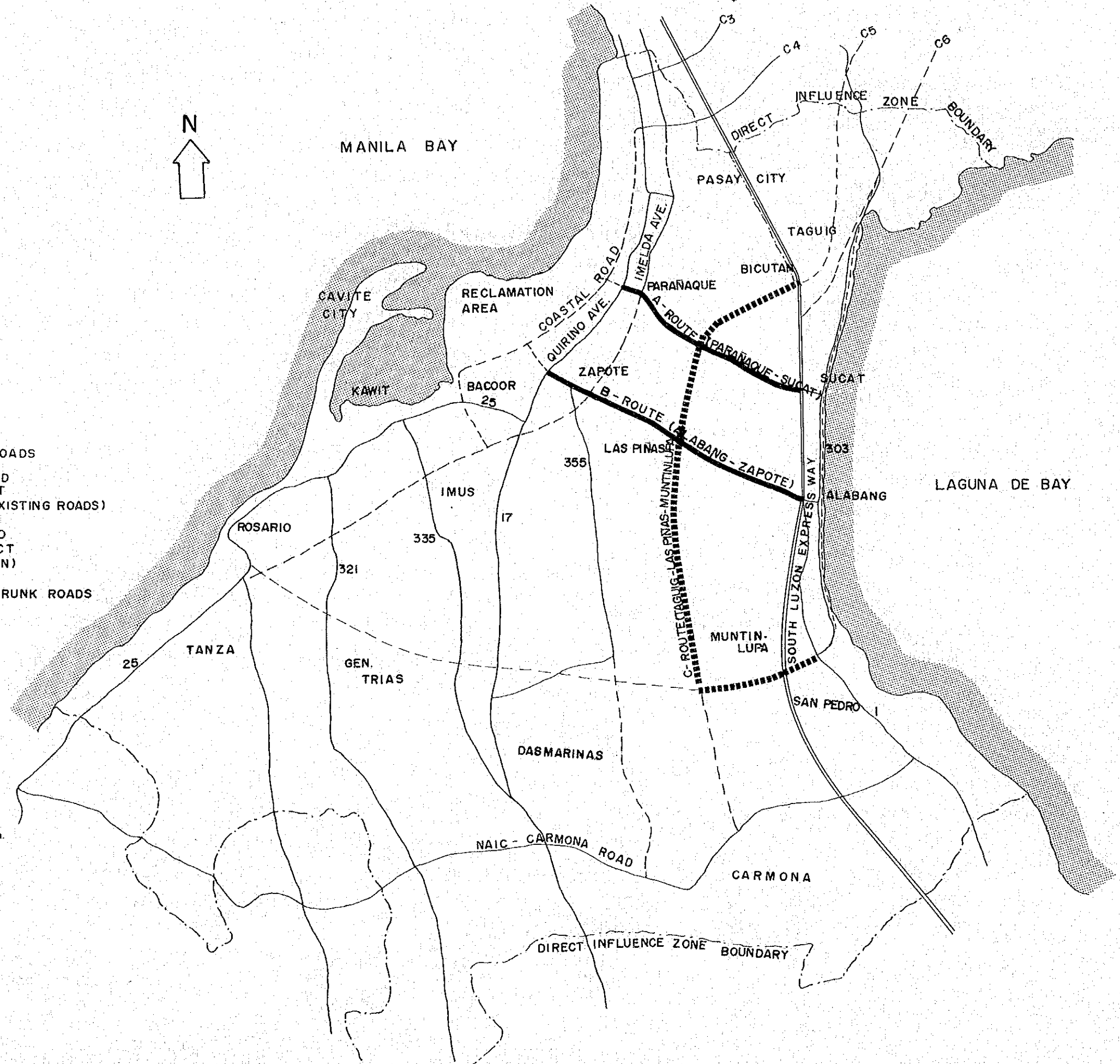
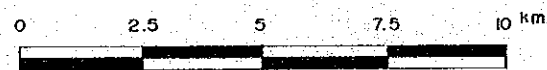




LEGEND:

- EXISTING TRUNK ROADS
- ROADS TO BE STUDIED UNDER THIS PROJECT (IMPROVEMENT OF EXISTING ROADS)
- ROAD TO BE STUDIED UNDER THIS PROJECT (NEW CONSTRUCTION)
- - - OTHER EXPECTED TRUNK ROADS

SCALE 1:150 000



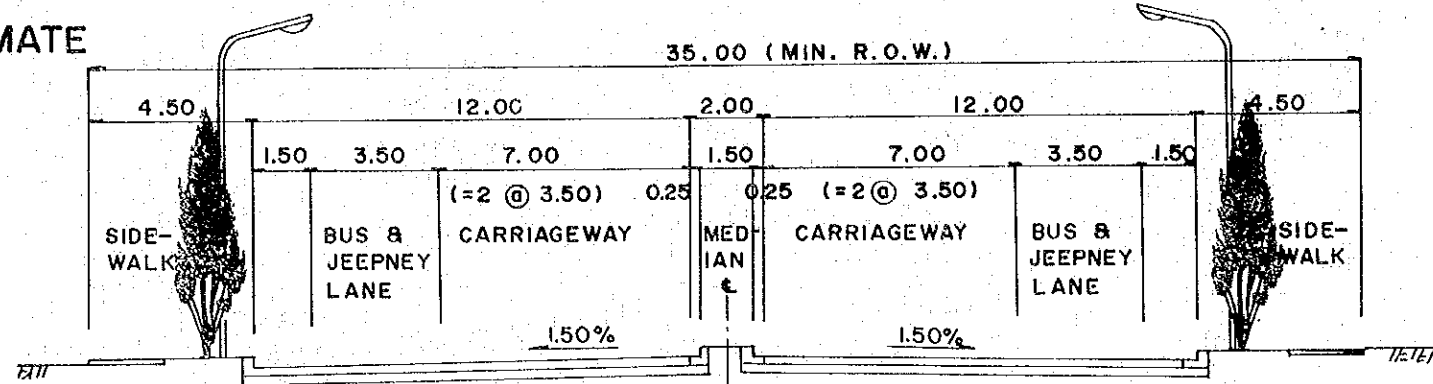
TYPICAL CROSS SECTIONS

A - ROUTE

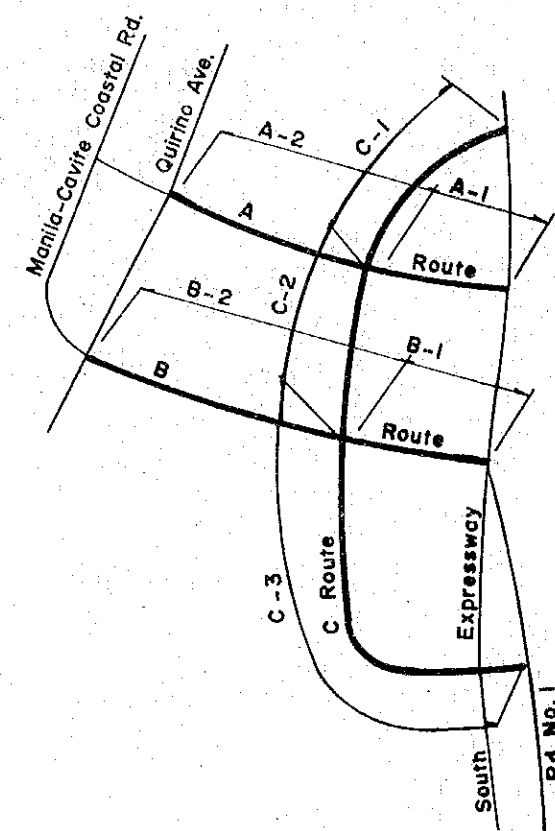
SECTION A-1

INITIAL AND ULTIMATE STAGE

(ROAD CROSS SECTION)
TYPE = I-A



ROUTES AND SECTIONS

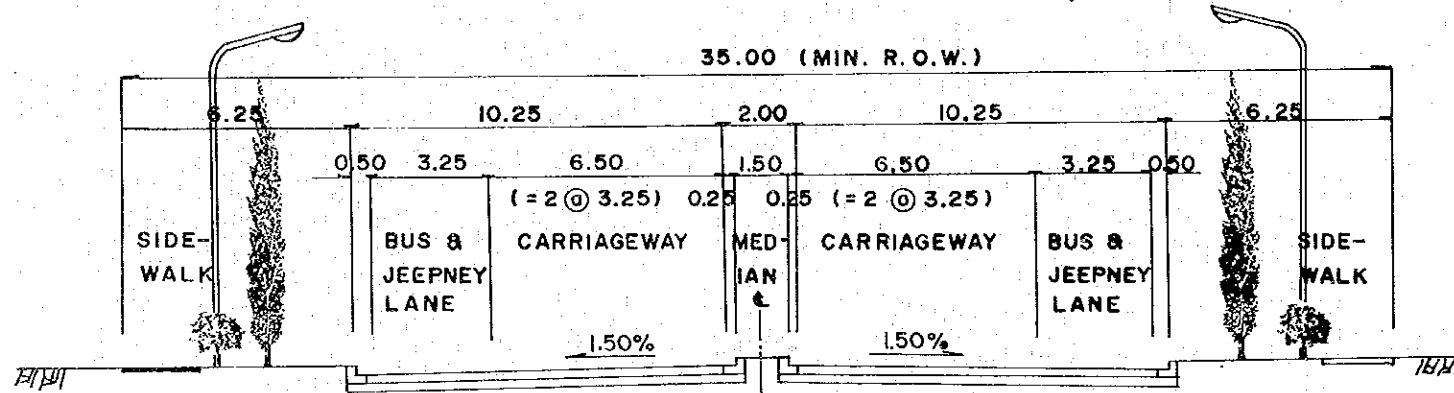


N
4

SECTION A-2

INITIAL STAGE

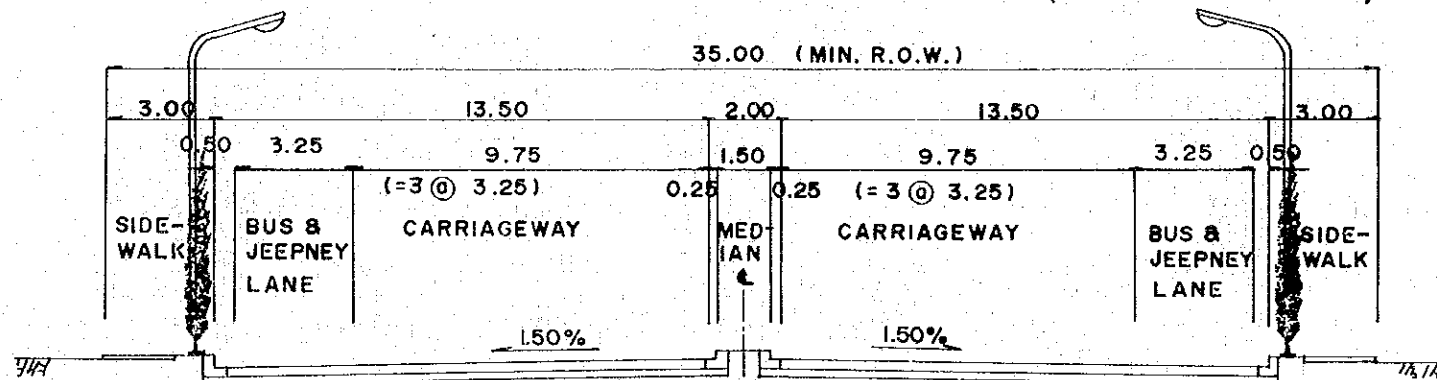
(ROAD CROSS SECTION)
TYPE = II-B



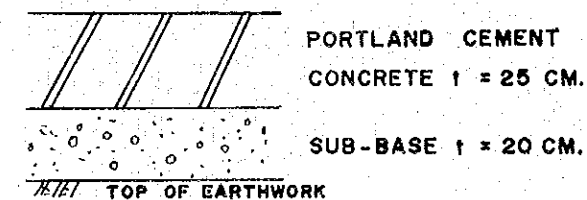
SECTION A-2

ULTIMATE STAGE

(ROAD CROSS SECTION)
TYPE = II-A



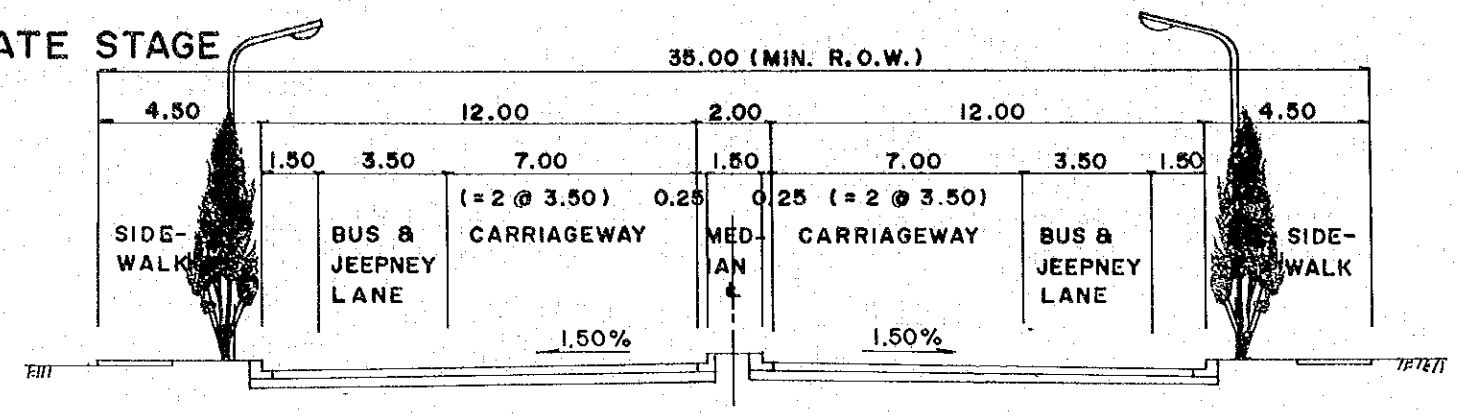
ROAD PAVEMENT STRUCTURES



B - ROUTE

SECTION B-1 AND B-2
 INITIAL AND ULTIMATE STAGE

(ROAD CROSS SECTION)
 (TYPE = 1-A)

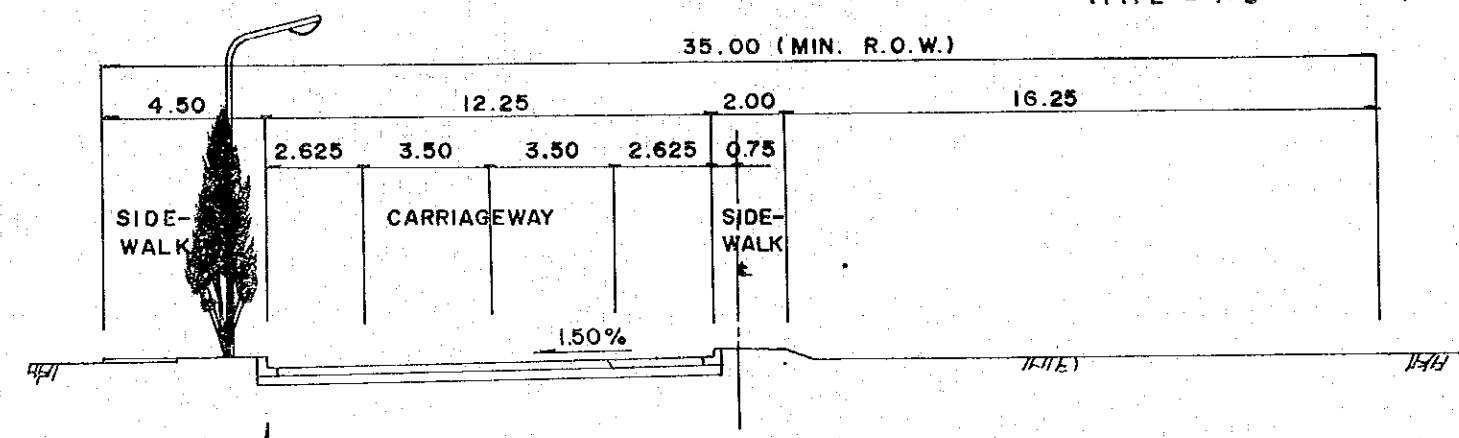


SECTION C-1 AND C-2
 INITIAL STAGE

SECTION C-3
 SECOND STAGE

C - ROUTE

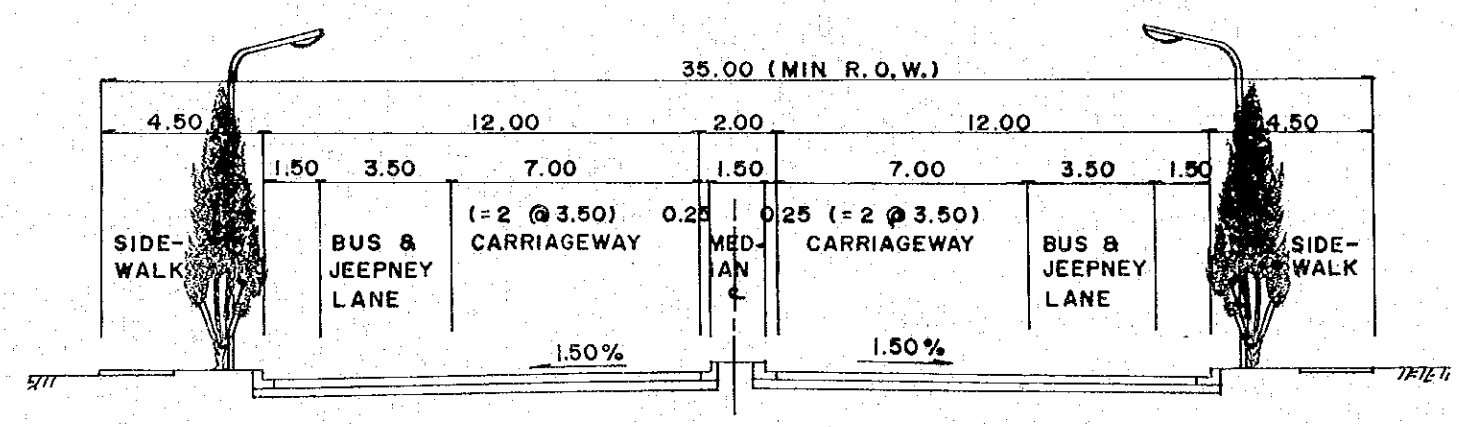
(ROAD CROSS SECTION)
 (TYPE = 1-B)



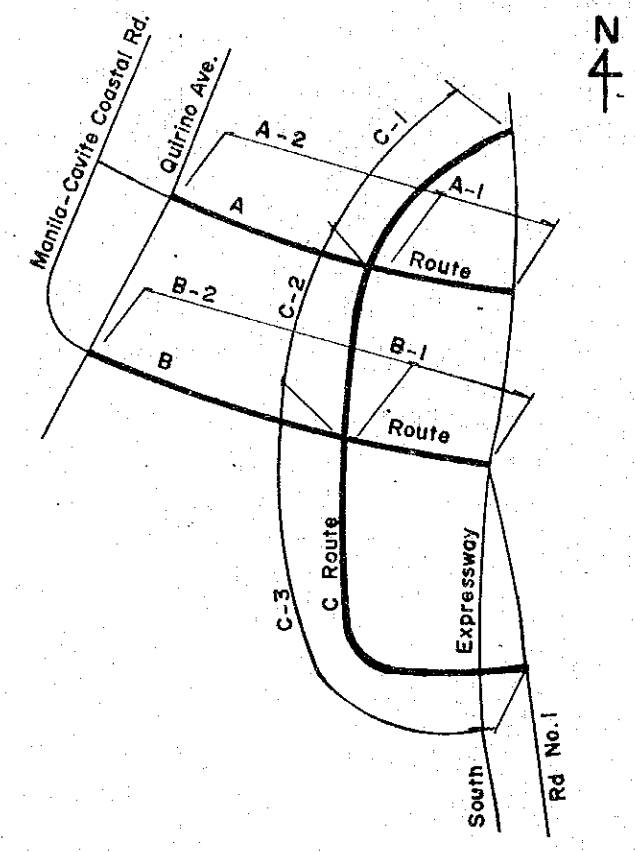
SECTION C-1, AND C-2
 SECOND STAGE

SECTION C-3
 ULTIMATE STAGE

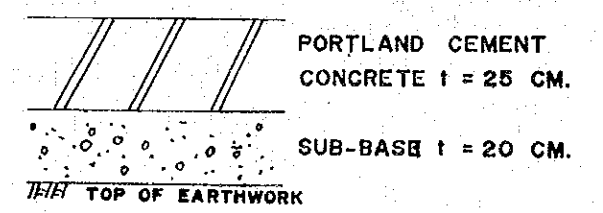
(ROAD CROSS SECTION)
 (TYPE = 1-A)



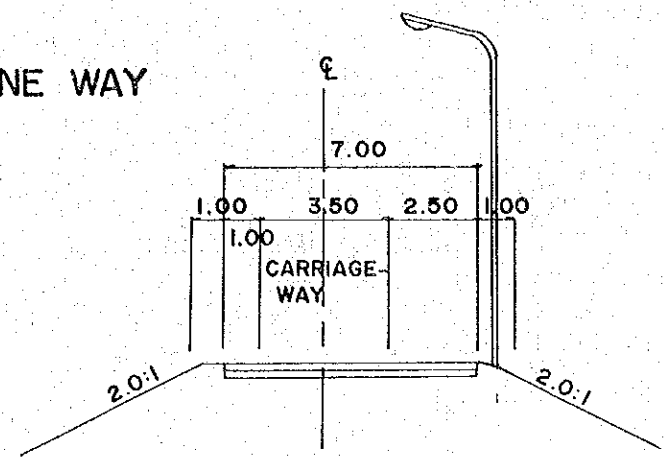
ROUTES AND SECTIONS



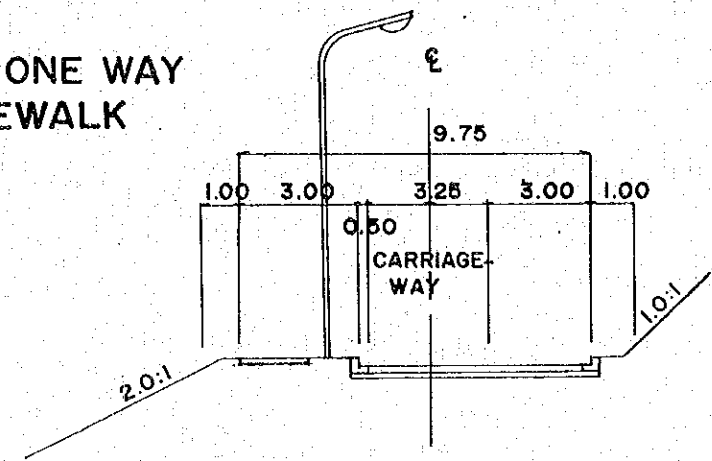
ROAD PAVEMENT STRUCTURES



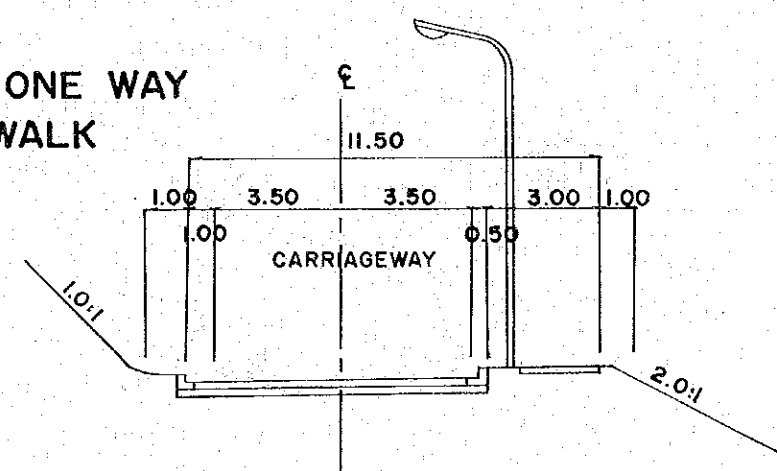
ONE LANE ONE WAY



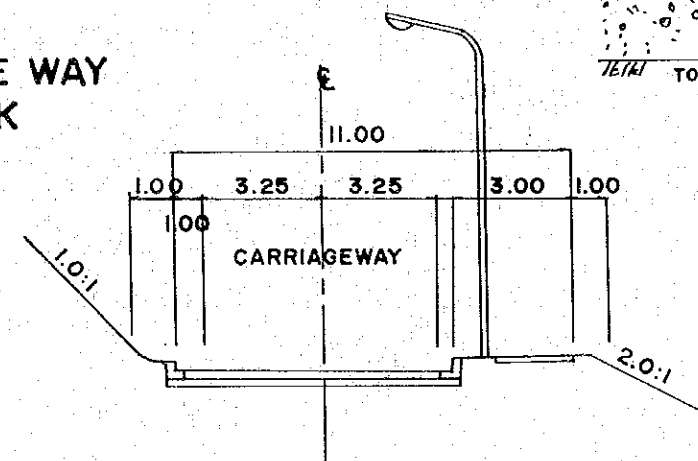
ONE LANE ONE WAY WITH SIDEWALK



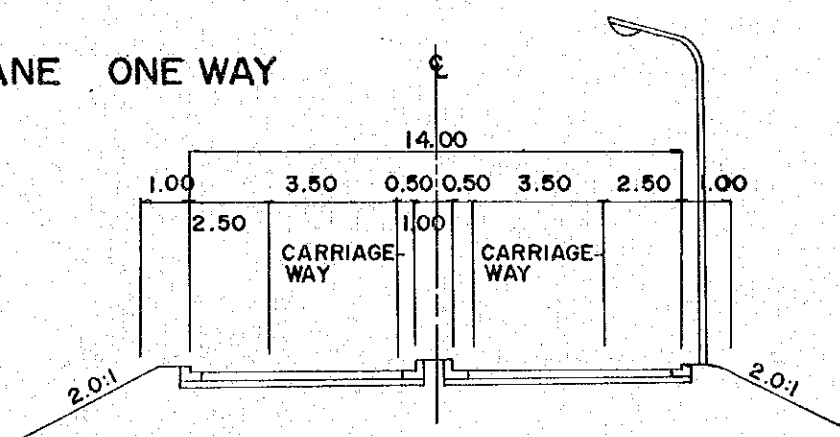
TWO LANE ONE WAY WITH SIDEWALK



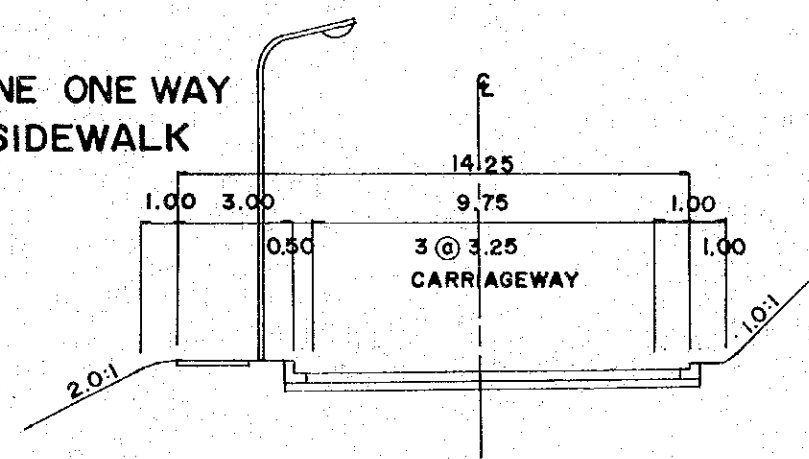
TWO LANE ONE WAY WITH SIDEWALK



TWO LANE ONE WAY



THREE LANE ONE WAY WITH SIDEWALK



ROAD PAVEMENT STRUCTURES

