



JAPAN INTERNATIONAL COOPERATION AGENCY

REPUBLIC OF THE PHILIPPINES



DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS



METROPOLITAN MANILA DEVELOPMENT AUTHORITY

**STUDY ON THE EXISTING
DRAINAGE LATERALS IN METRO MANILA
IN THE REPUBLIC OF THE PHILIPPINES**

FINAL REPORT

DATA BOOK

NOVEMBER 2000

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WOODFIELDS CONSULTANTS, INC.

IN JOINT VENTURE WITH



BASIC TECHNOLOGY AND MANAGEMENT CORPORATION

ADVISOR :



CTI ENGINEERING INTERNATIONAL CO., LTD.

SSS
JR
00-208





**STUDY ON THE EXISTING
DRAINAGE LATERALS IN METRO MANILA
IN THE REPUBLIC OF THE PHILIPPINES**

DATA BOOK



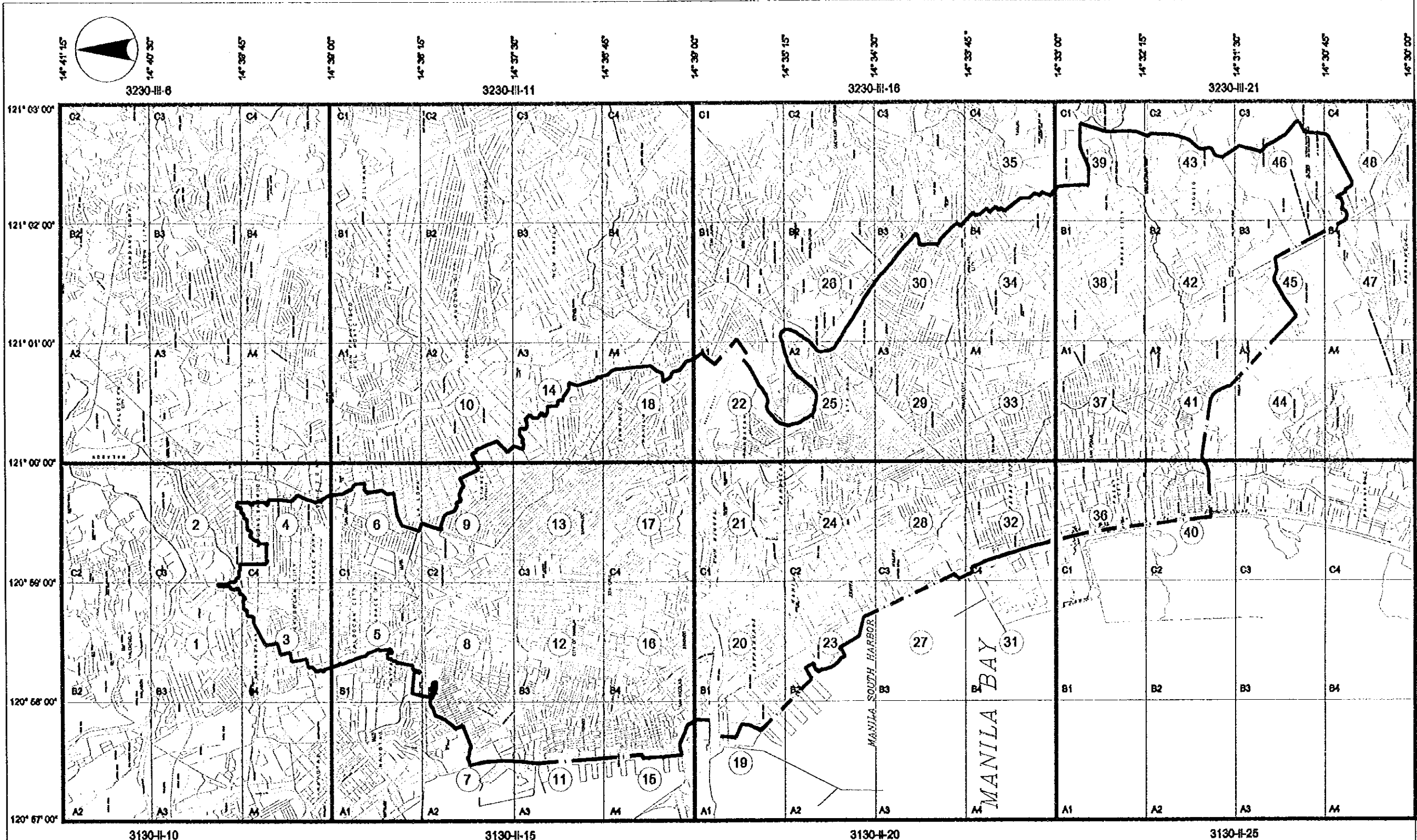
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CONTENTS

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- **LOCATION MAPS**
- **OPEN CHANNEL CROSS-SECTIONS**

INDEX MAP



LEGENDS :

- | | | | | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> --- STUDY AREA BOUNDARY --- DRAINAGE DIVIDE BOUNDARY --- DRAINAGE MAIN --- DRAINAGE LATERAL (CLOSED CHANNEL) --- DRAINAGE LATERAL (COVERED OPEN CHANNEL) | <ul style="list-style-type: none"> --- DRAINAGE LATERAL (OPEN CHANNEL) ⊗ MANHOLE (RECTANGULAR) ○ MANHOLE (CIRCULAR) ⊗ OPENED MANHOLE (REC) ● OPENED MANHOLE (CIR) ⊗ CLOGGED MANHOLE (REC) | <ul style="list-style-type: none"> ● F.G. ⊗ PS 0+000 ○ BM # RI-3 ● DLM-23 | <ul style="list-style-type: none"> ● CLOGGED MANHOLE (CIR) --- FLOOD GATE --- PUMPING STATION --- ESTERO X-SECTION --- EXISTING NAMRIA BENCHMARK ● NEW BENCHMARK | <ul style="list-style-type: none"> ● TBM-28 ○ NL006 ○ DM01 □ OF | <ul style="list-style-type: none"> ● TEMPORARY BENCHMARK ○ DRAINAGE CHANNEL CODE ○ DRAINAGE MAIN CODE □ OUTFALL |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTE :
 CONTOURS ARE REFERRED TO MEAN SEA LEVEL WHEREAS TOP ELEVATIONS ARE REFERRED TO DPWH DATUM. MEASUREMENTS ARE BASED FROM BM # 06 W/ ELEV. 1.832 M. ABOVE MSL AND 12.310 M. ABOVE DPWH DATUM.

PROJECT: STUDY ON THE EXISTING DRAINAGE LATERALS IN METRO MANILA
 DRAWING TITLE: INDEX MAP
 SCALE: 1:50,000M

SUBMITTED BY: WGI/ETAC
 PROJECT MANAGER: ENRICO G. GREGORIO

SURVEYED BY: []
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 CHECKED BY: []

CONSULTANTS: WOODFIELDS CONSULTANTS, INC.
 BASIC TECHNOLOGY AND MANAGEMENT CORPORATION

ADVISOR: CTE Engineering International Co., Ltd.

SHEET NO. []

LOCATION MAPS

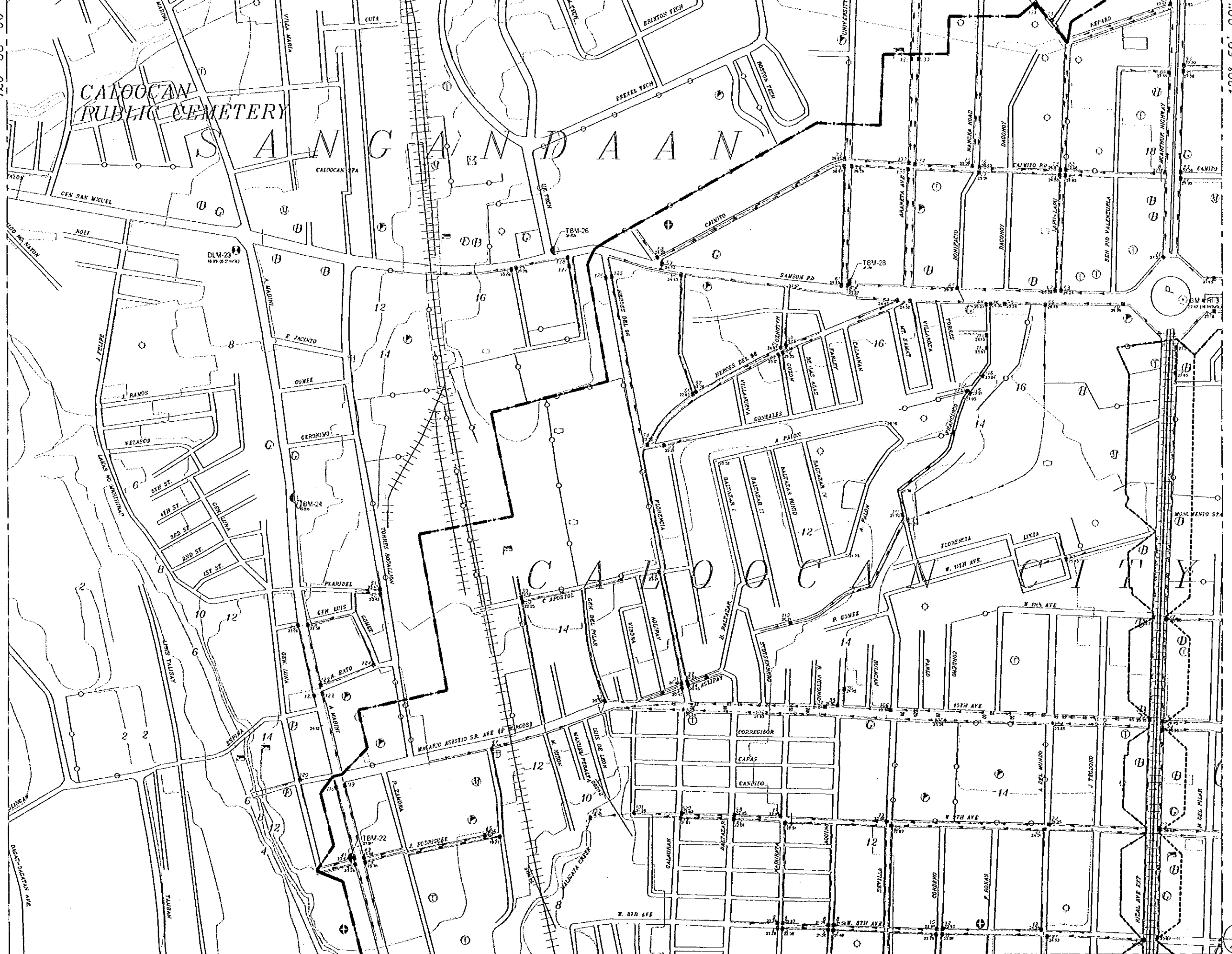


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120° 59' 00"

14° 39' 45"





14° 39' 15"

3130-ii-10-C4

120° 59' 00"

121° 00' 00"



14° 39' 00"

14° 39' 00"

120° 58' 00"

3130-ii-15-B1

120° 59' 00"



14° 38' 15"

5
48

14° 39' 00"

120° 59' 00"

3130-II-15-C1

121° 00' 00"



14° 38' 15"

14° 38' 15"

3130-ii-15-A2



120° 57' 00"

120° 58' 00"

H A R B O R C E N T E R

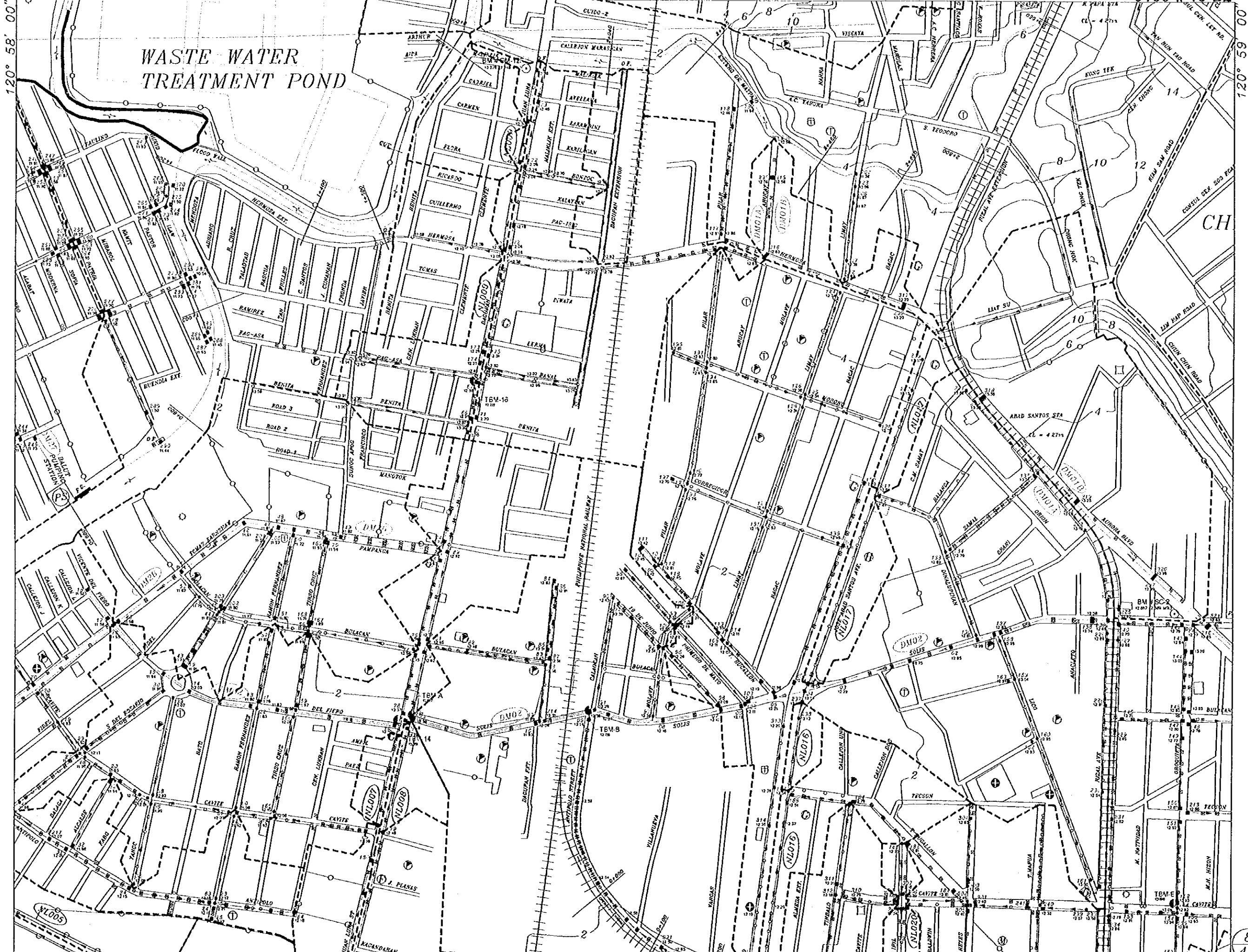
ISLA DE BALUT

ESTERO SUNOG APOG

ESTERO DE VITAS

14° 37' 30"

7
48



14° 38' 15"

121° 00' 00"

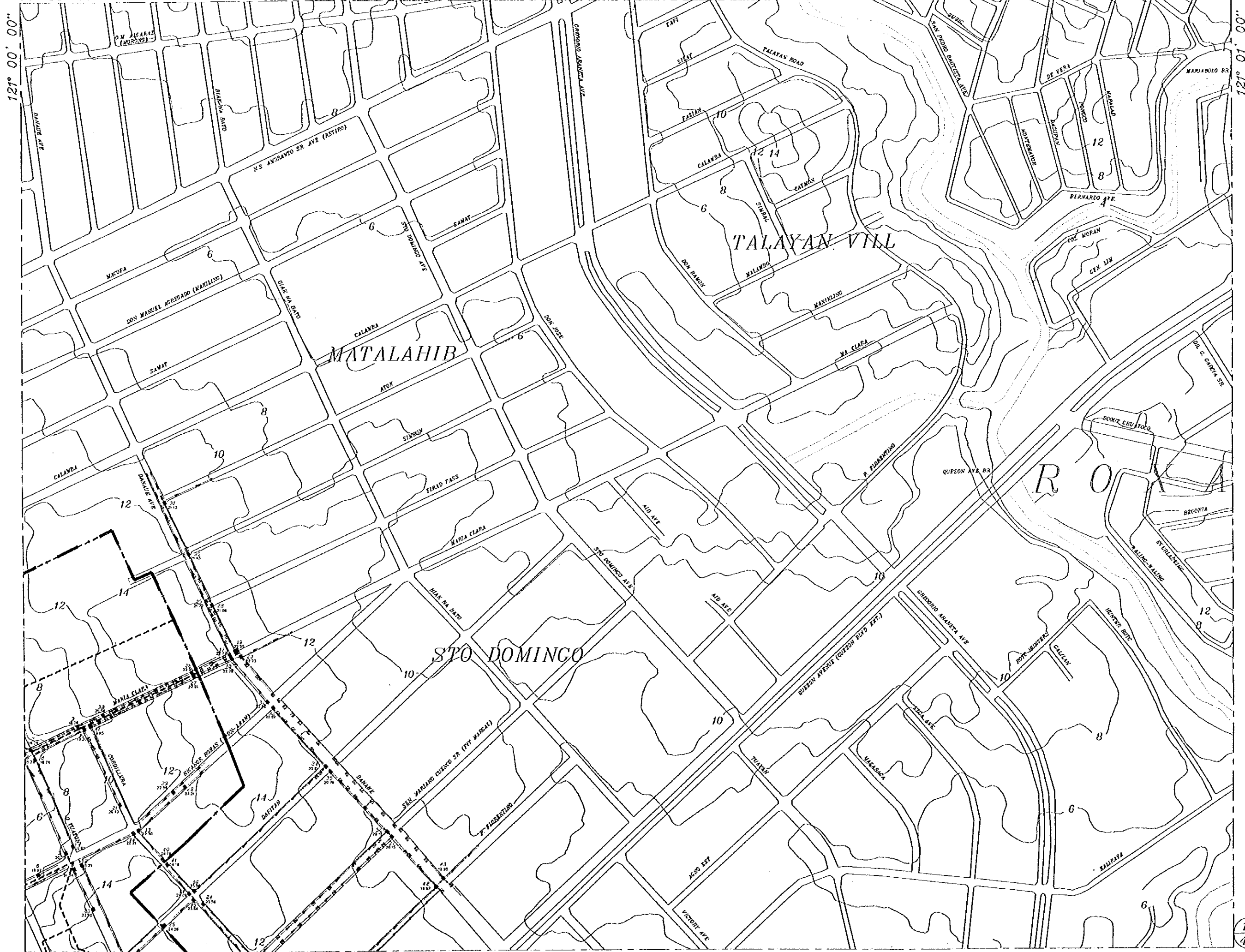


14° 37' 30"

14° 38' 15"

121° 00' 00"

121° 01' 00"



14° 37' 30"

120° 57' 00"

120° 58' 00"

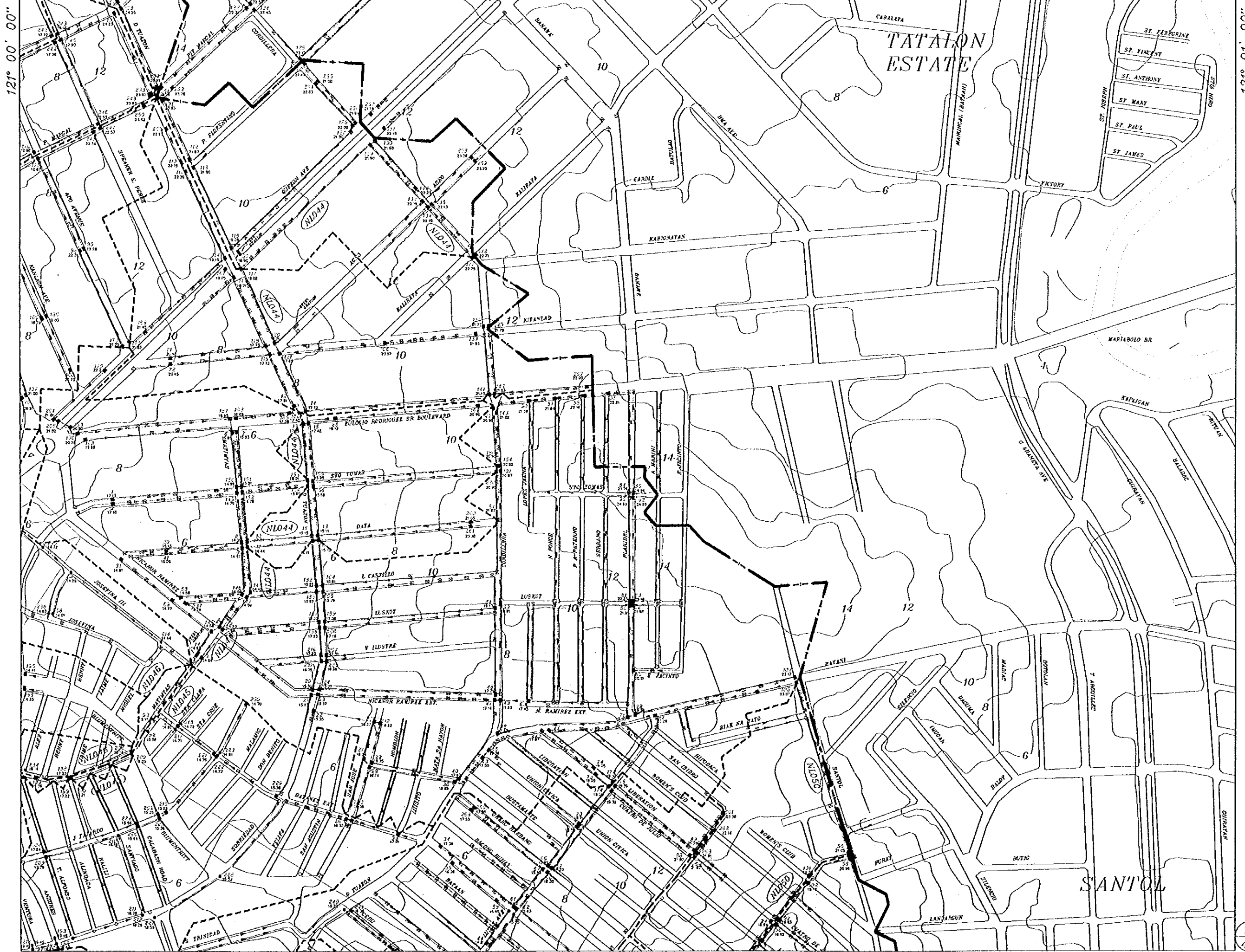


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14° 36' 45"

120° 57' 00"

3130-ii-15-A4

120° 58' 00"

NORTH PORT



14° 36' 00"