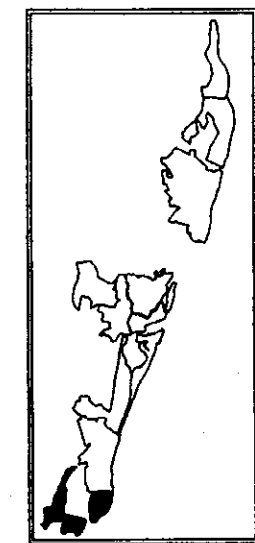
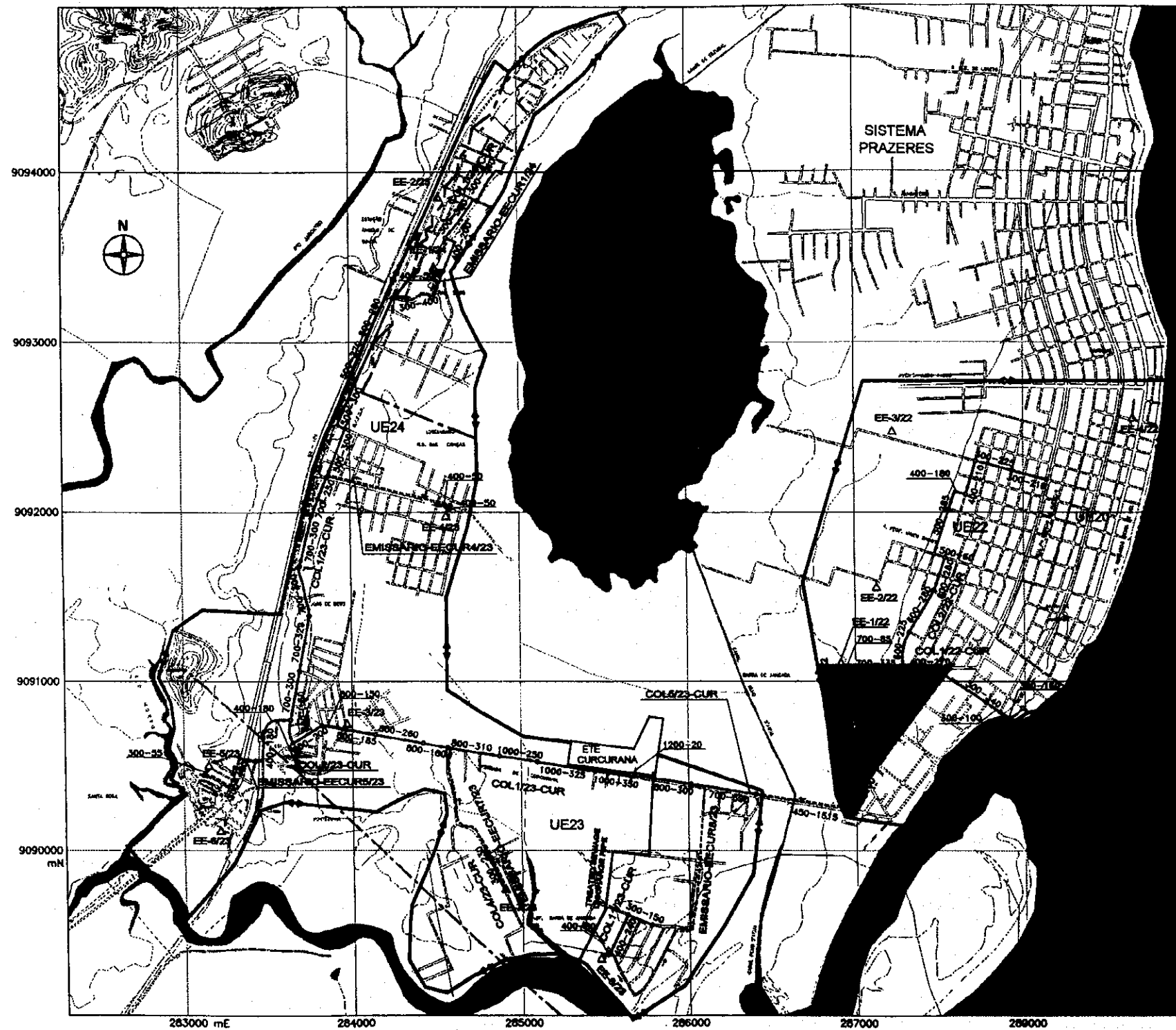


- LEGEND**
- SEWER BOUNDARY
 - UE BOUNDARY
 - TRUNK SEWER (BY GRAVITY FLOW)
 - TRUNK SEWER (BY PRESSURE FLOW)
 - HEAD OF TRUNK SEWER
 - LIDERS (4)
 - MANHOLE (4)
 - PUMP STATION
 - TREATMENT FACILITY
 - PLANNED PUMP STATION
 - EXISTING PUMP STATION
 - EXISTING AREA (CONSTRUCTION)
 - EXISTING AREA (CONCRETE)

SCALE 1:30.000

Fig.12 **Plano de Disposição para o Sistema Prazeres**
 THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR



- LEGEND**
- ◄—►— SISTEM BOUNDARY
 - — — UE BOUNDARY
 - ▶— TRUNK SEWER (BY GRAVITY FLOW)
 - - -▶- TRUNK SEWER (BY PRESSURE FLOW)
 - COL1/24-CUR NAME OF TRANK SEWER
 - 400-100 LENGTH (m)
DIAMETER (mm)
 - EE PUMP STATION
 - ETE TREATMENT FACILITY
 - △ PLANNED PUMP STATION
 - ▲ EXISTING PUMP STATION
 - ▨ EXISTING AREA (CONVENTIONAL)
 - EXISTING AREA (CONDOMINIAL)

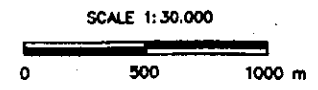


Fig.13 **Plano de Disposição para o Sistema Curcurana**

THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR



- LEGEND**
- SISTEM BOUNDARY
 - UE BOUNDARY
 - TRUNK SEWER (BY GRAVITY FLOW)
 - TRUNK SEWER (BY PRESSURE FLOW)
 - COL1/24-CUR NAME OF TRANK SEWER
 - LENGTH (m)
 - DIAMETER (mm)
 - EE PUMP STATION
 - ETE TREATMENT FACILITY
 - PLANNED PUMP STATION
 - EXISTING PUMP STATION
 - EXISTING AREA (CONVENTIONAL)
 - EXISTING AREA (CONDOMINIAL)

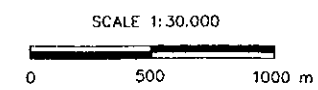


Fig.13 **Plano de Disposição para o Sistema Curcurana**

Fig.14 Diagrama de Fluxo do Sistema de Esgotamento Sanitário Janga Existente

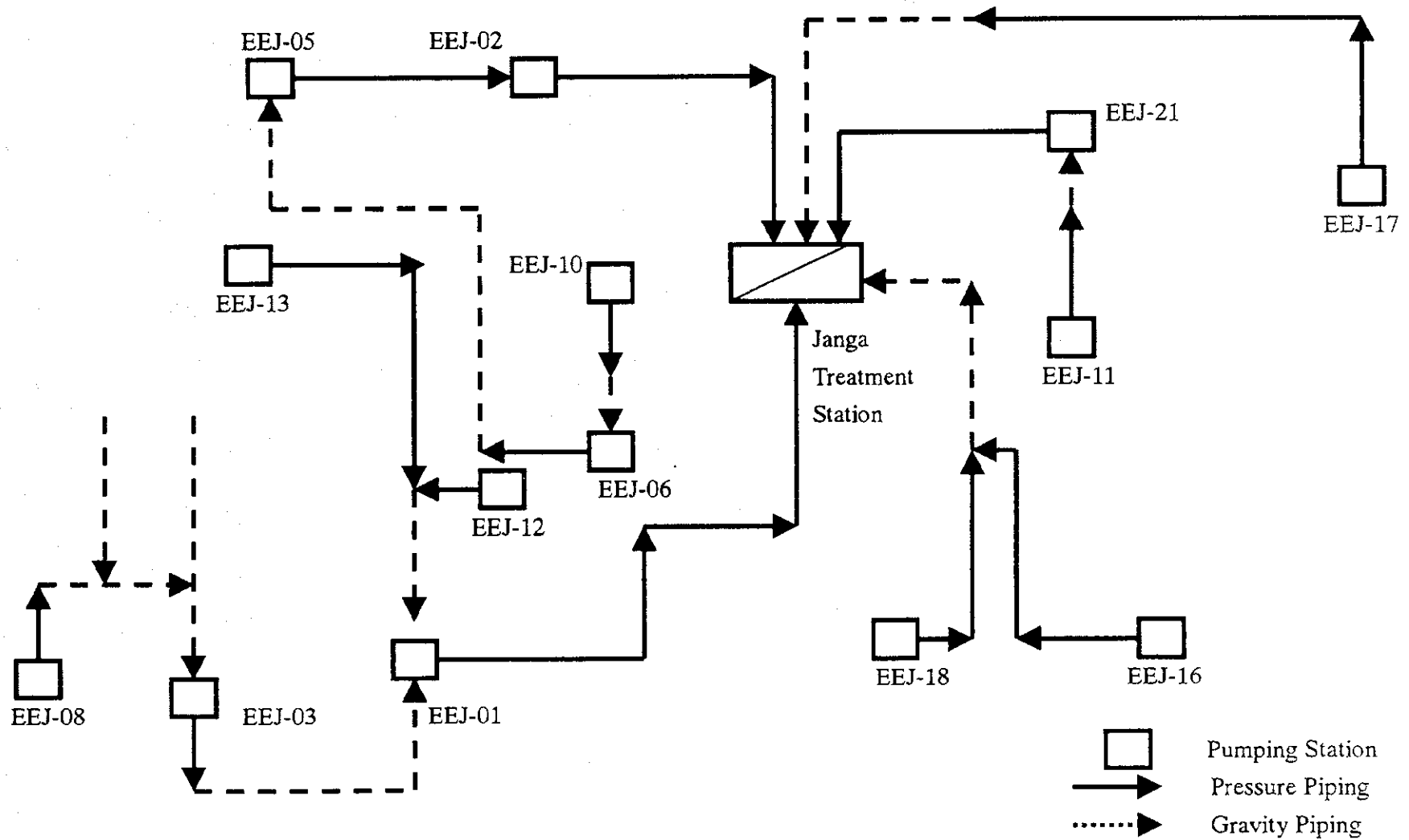
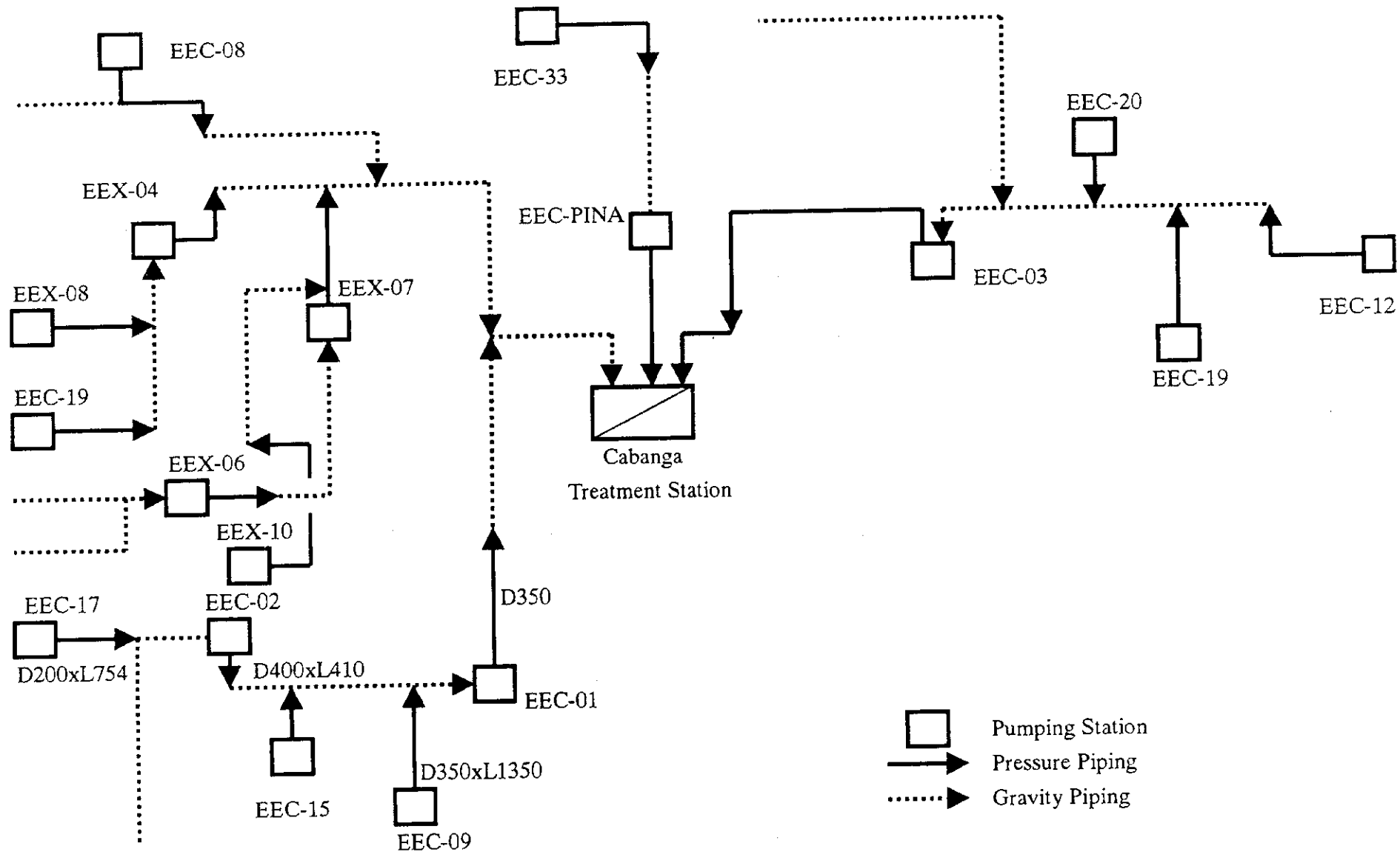


Fig.15 Diagrama de Fluxo do Sistema de Esgotamento Sanitário Cabanga Existente



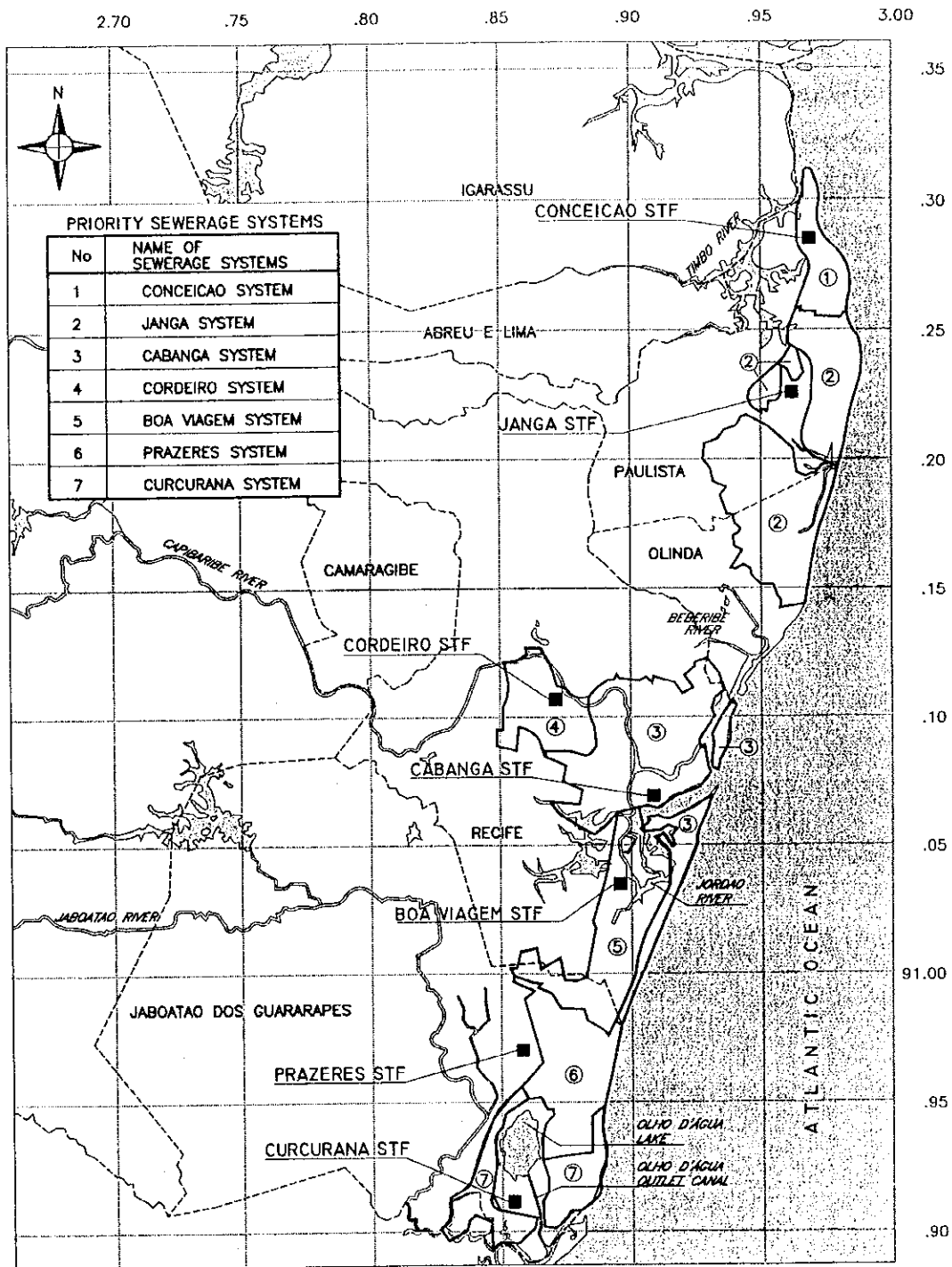
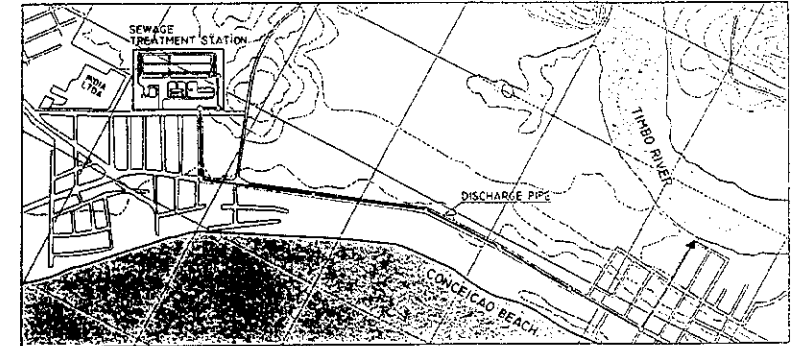


Fig.16

Localização das Instalações de Tratamento de Esgoto

THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR

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TREATED SEWAGE
DISCHARGE PIPE
SCALE: 1/20,000

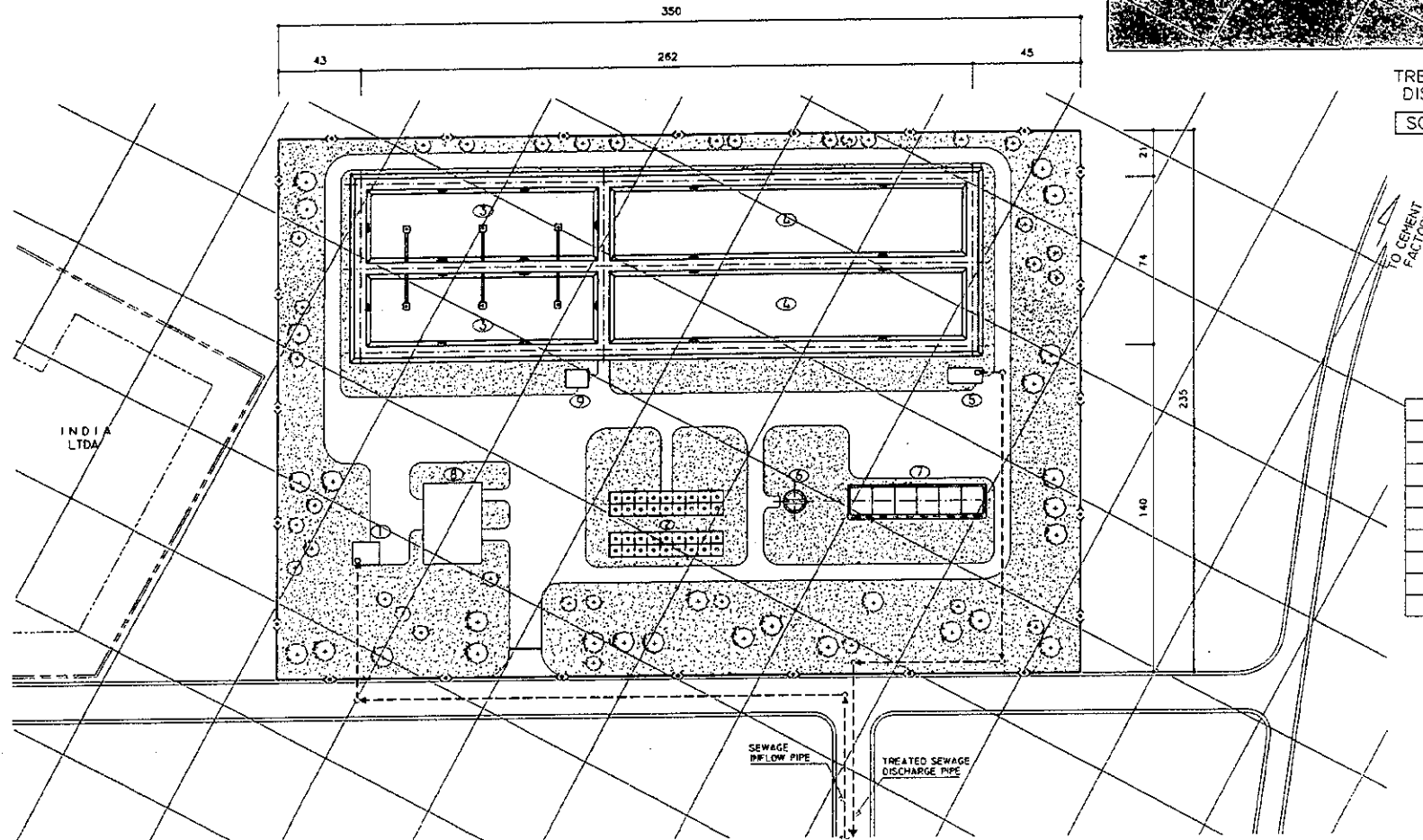


TABLE OF FACILITIES

NUMBER	NAME
1	GRIT CHAMBERS AND INFLUENT WELL
2	RAFA REACTORS
3	AERATED LAGOONS
4	POLISHING PONDS
5	DISINFECTION TANK
6	SLUDGE THICKENER
7	SLUDGE DRYING BEDS
8	ADMINISTRATION BUILDING
9	ELECTRICAL ROOM

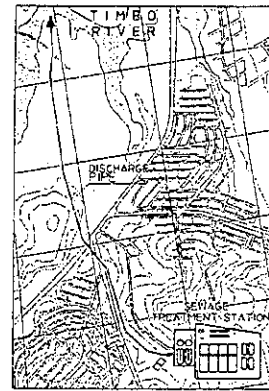
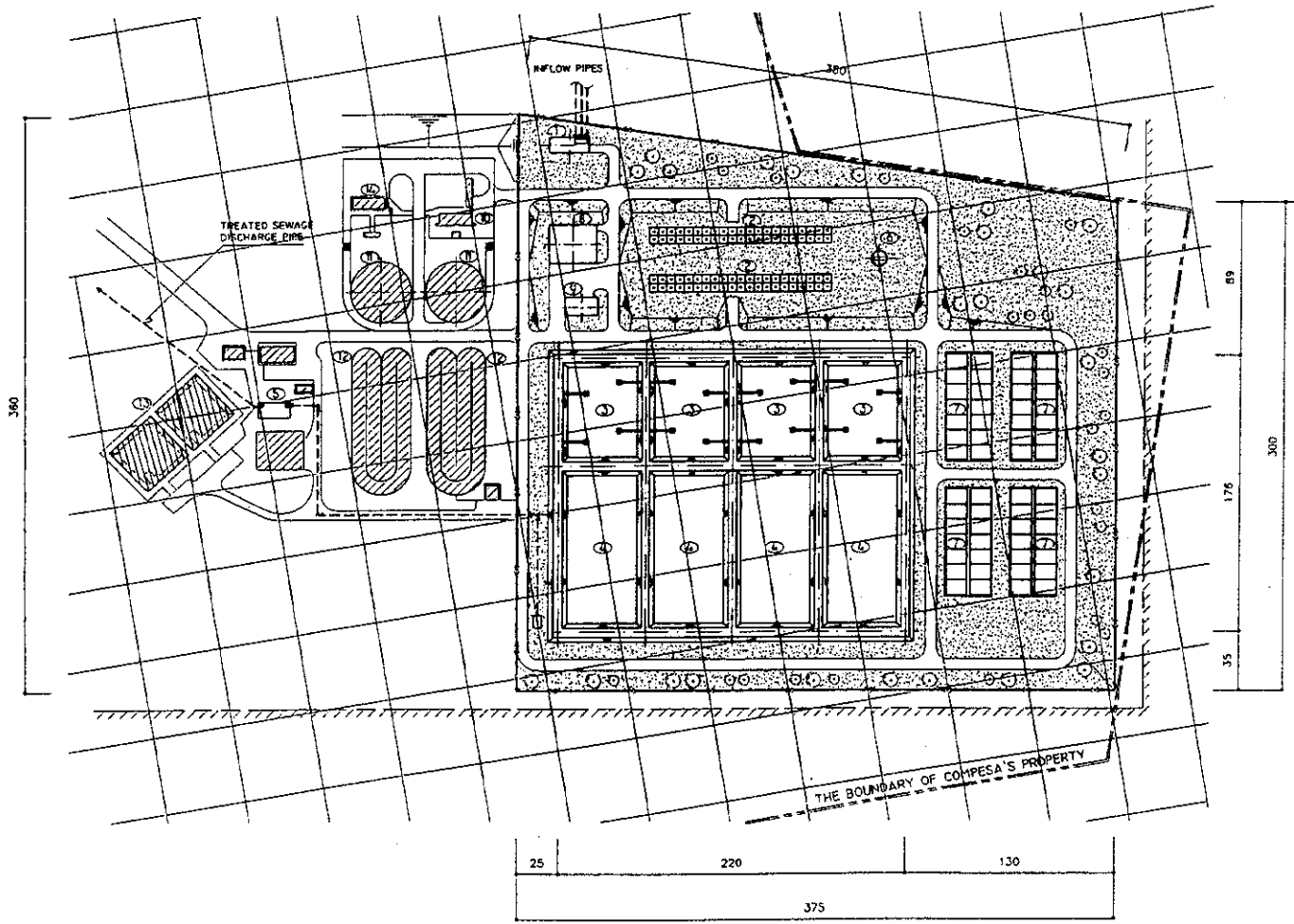
REMARKS:
(1) THE UNIT OF COORDINATE IS 50M.
(2) THE UNIT OF DIMENSIONS IS "METER".

SCALE: 1/2,000

Fig.17

Plano de Disposição das Instalações de
Tratamento de Esgoto (Conceição)

THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR



TREATED SEWAGE
DISCHARGE PIPES

SCALE: 1/30,000

TABLE OF FACILITIES

NUMBER	NAME
1	GRIT CHAMBERS AND INFLUENT WELL
2	RAFA REACTORS
3	AERATED LAGOONS
4	POLISHING PONDS
5	DISINFECTION TANK
6	SLUDGE THICKENER
7	SLUDGE DRYING BEDS
8	ADMINISTRATION BUILDING
9	ELECTRICAL ROOM
10	GRIT CHAMBERS (EXISTING)
11	SEDIMENTATION TANKS (EXISTING)
12	OXIDATION DITCHES (EXISTING)
13	SLUDGE LAGOON (EXISTING)
14	ADMINISTRATION ROOM (EXISTING)

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REMARKS:
 (1) THE UNIT OF COORDINATE IS 50M.
 (2) THE UNIT OF DIMENSIONS IS "METER".
 (3) THE FACILITIES MARKED BY HATCHING ARE EXISTING ONES.

SCALE: 1/3,000

Fig.18

Plano de Disposição das Instalações de
Tratamento de Esgoto (Janga)

THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR

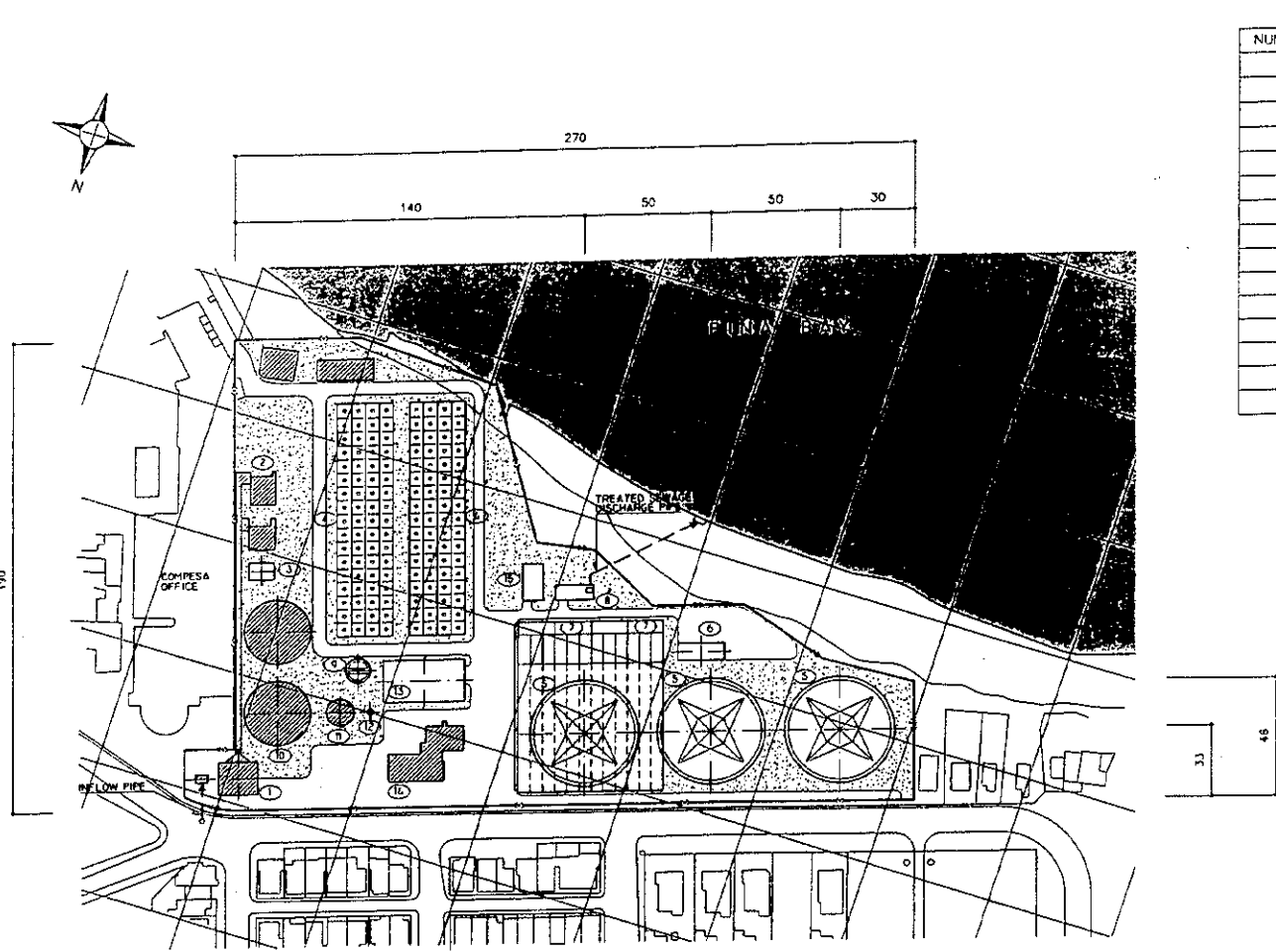


TABLE OF FACILITIES

NUMBER	NAME
1	INFLUENT WELL AND INFLUENT PUMPS (EXISTING)
2	GRIT CHAMBERS
3	TRANSFER PUMPS
4	RAFA REACTORS
5	BIO-FILTERS
6	RECIRCULATION PUMPS
7	SEDIMENTATION TANKS
8	DISINFECTION TANK
9	SLUDGE THICKENER
10	SLUDGE DIGESTERS (EXISTING)
11	GAS HOLDER (EXISTING)
12	BIO-GAS BURNER
13	DEHYDRATION ROOM AND CONTROL ROOM
14	ADMINISTRATION ROOM (EXISTING)
15	ELECTRICAL ROOM

REMARKS:
 (1) THE UNIT OF COORDINATE IS 50M.
 (2) THE UNIT OF DIMENSIONS IS "METER".
 (3) THE FACILITIES MARKED BY HATCHING ARE EXISTING ONES.

SCALE: 1/2,000

Fig.19 **Plano de Disposição das Instalações de Tratamento de Esgoto (Cabanga)**
 THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR

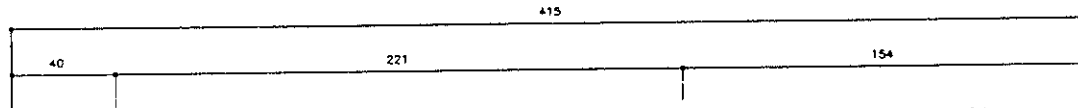
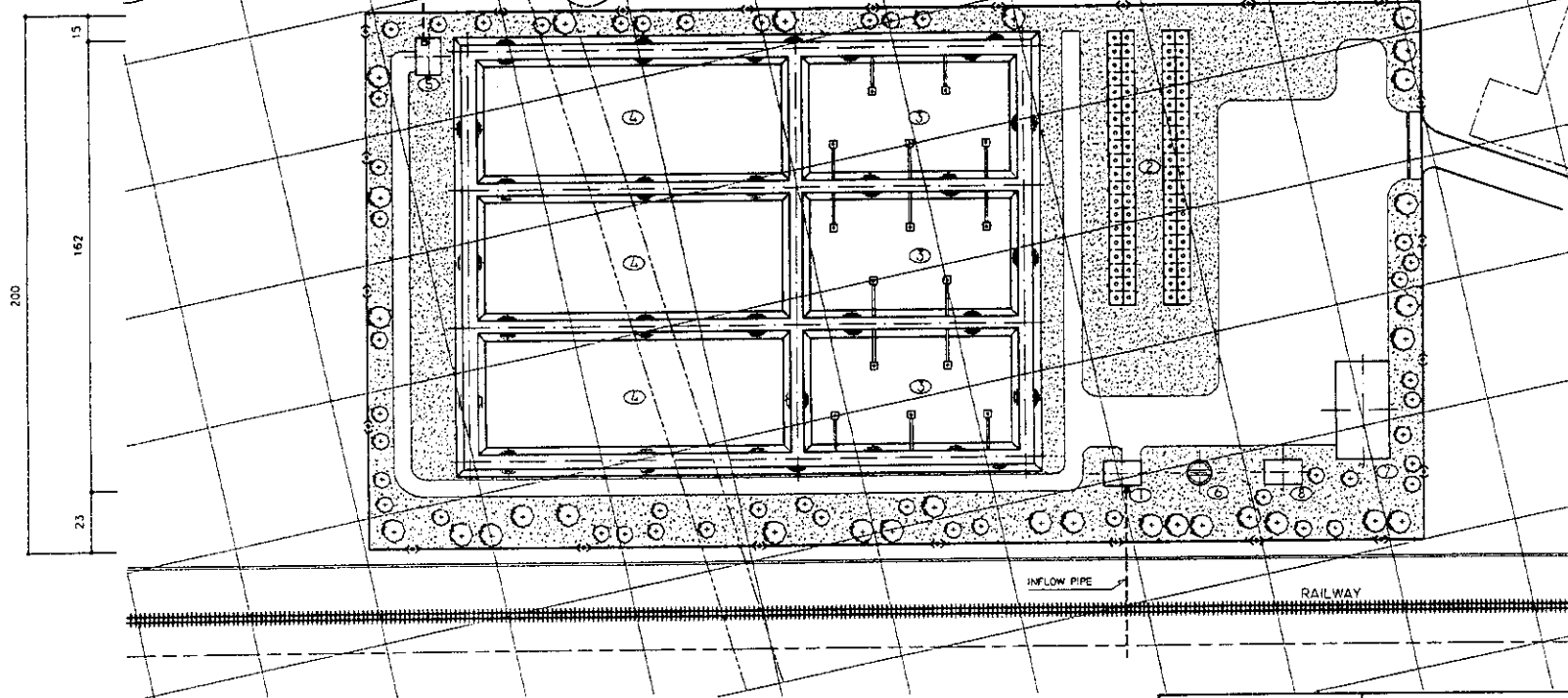


TABLE OF FACILITIES	
NUMBER	NAME
1	GRIT CHAMBERS AND INFLUENT WELL
2	RAFA REACTORS
3	AERATED LAGOONS
4	POLISHING PONDS
5	DISINFECTION TANK
6	SLUDGE THICKENER
7	ADMINISTRATION BUILDING
8	ELECTRICAL ROOM



MANGROVE AREA



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REMARKS:
 (1) THE UNIT OF COORDINATE IS 50m.
 (2) THE UNIT OF DIMENSIONS IS "METER".

SCALE: 1/2,000

Fig.20

Plano de Disposição das Instalações de
 Tratamento de Esgoto (Boa Viagem)

THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR

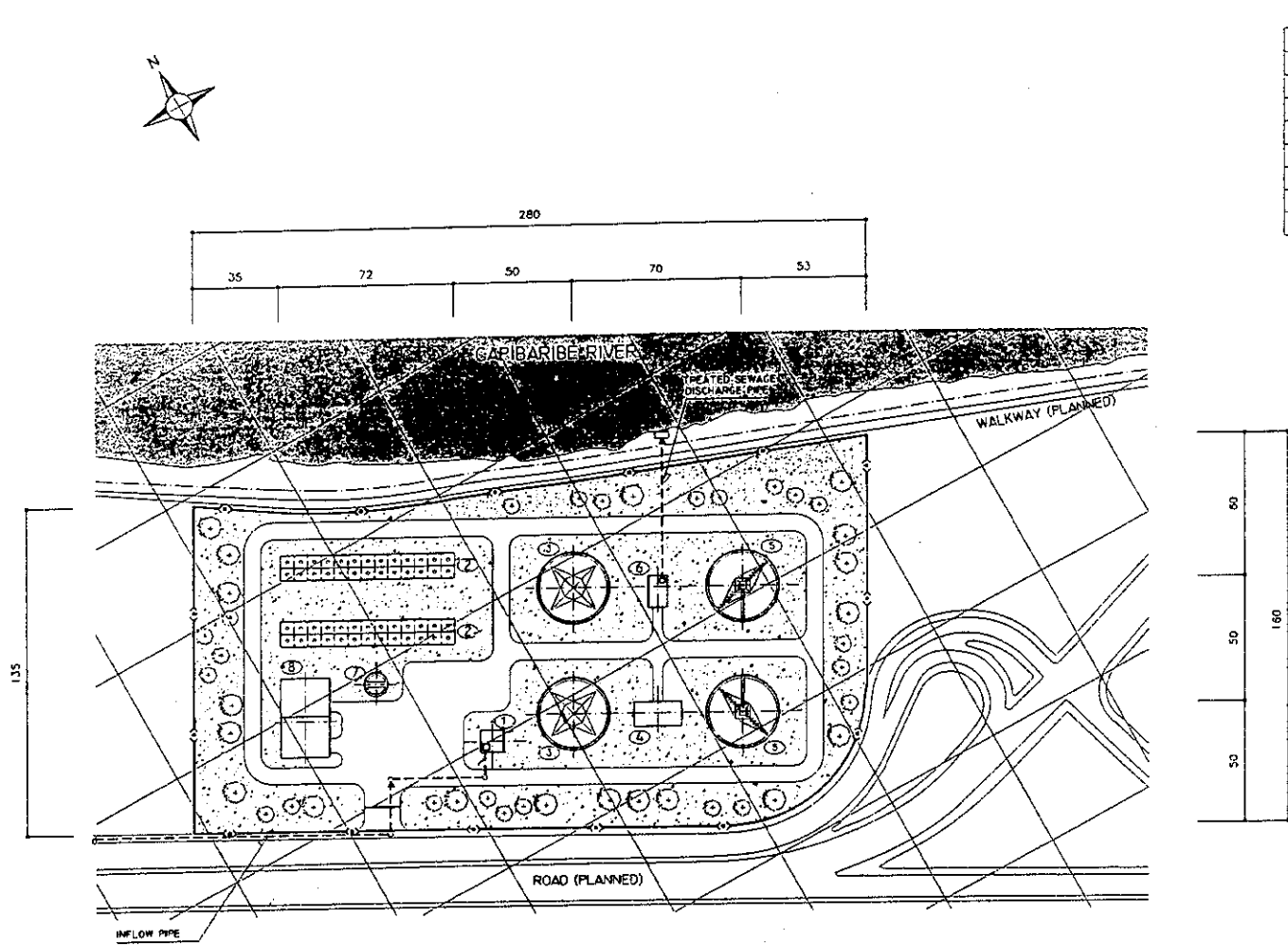


TABLE OF FACILITIES

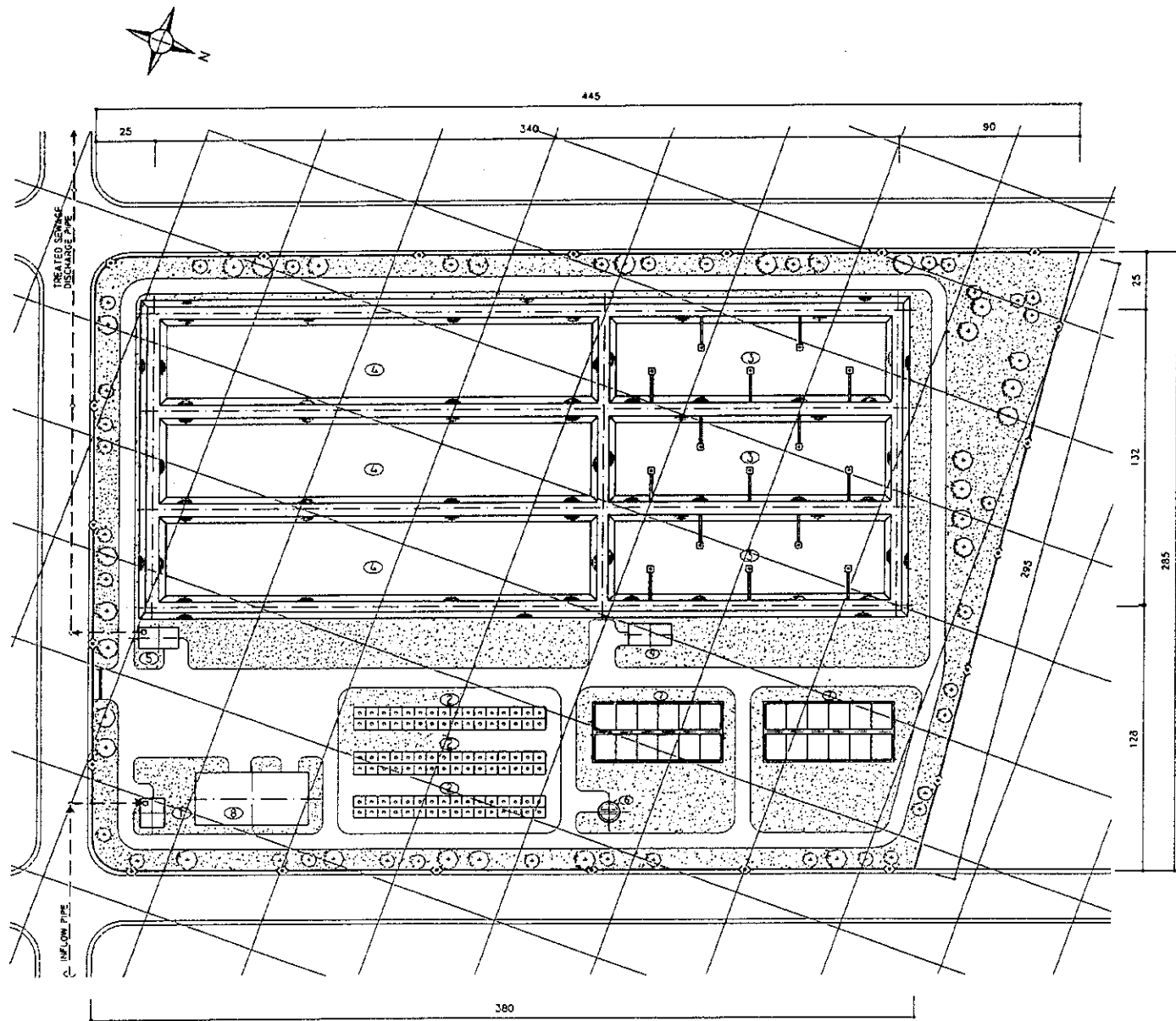
NUMBER	NAME
1	GRIT CHAMBERS AND INFLUENT WELL
2	RAFA REACTORS
3	BIO-FILTERS
4	TRANSFER TANK
5	SEDIMENTATION TANKS
6	DISINFECTION TANK
7	SLUDGE THICKENER
8	ADMINISTRATION BUILDING

REMARKS:
 (1) THE UNIT OF COORDINATE IS 50M.
 (2) THE UNIT OF DIMENSIONS IS "METER".

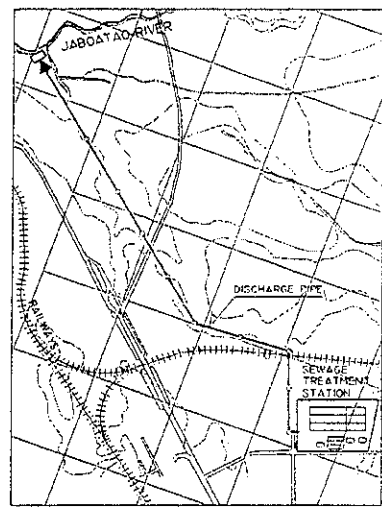
SCALE: 1/2,000

Fig.21 Plano de Disposição das Instalações de Tratamento de Esgoto (Cordeiro)
 THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR

18-S



REMARKS:
 (1) THE UNIT OF COORDINATE IS 50M.
 (2) THE UNIT OF DIMENSIONS IS "METER".



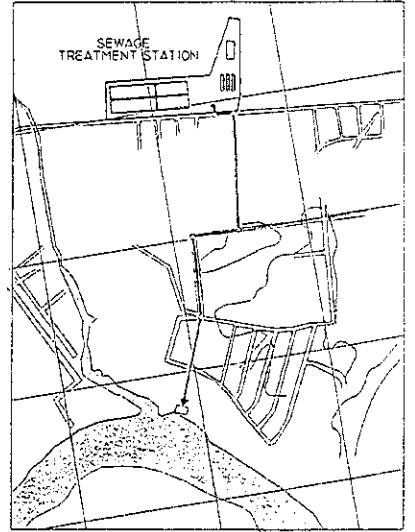
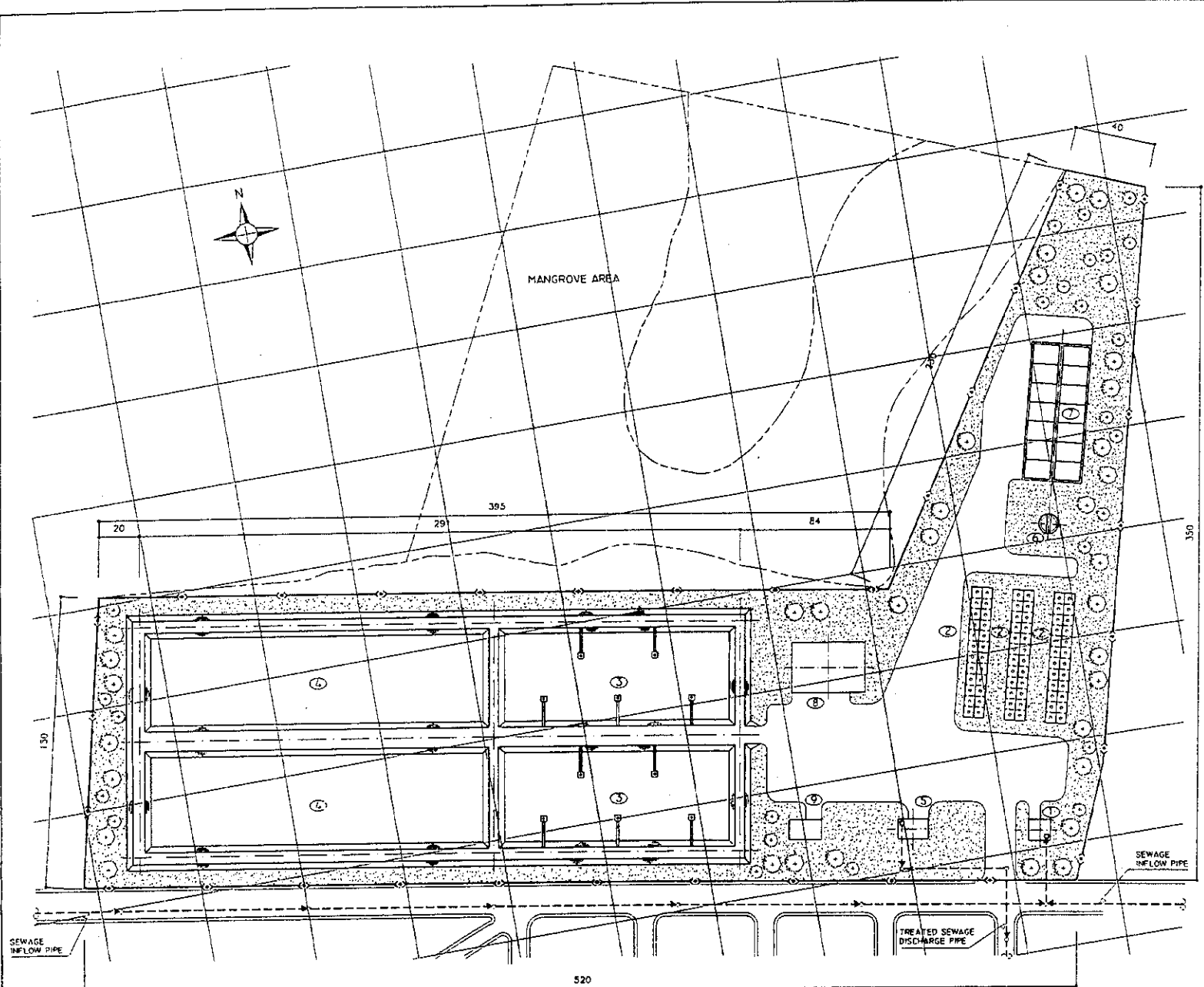
TREATED SEWAGE DISCHARGE PIPE
 SCALE: 1/30,000

TABLE OF FACILITIES

NUMBER	NAME
1	GRIT CHAMBERS AND INFLUENT WELL
2	RAFA REACTORS
3	AERATED LAGOONS
4	POLISHING PONDS
5	DISINFECTION TANK
6	SLUDGE THICKENER
7	SLUDGE DRYING BEDS
8	ADMINISTRATION BUILDING
9	ELECTRICAL ROOM

SCALE: 1/2,000

Fig.22 Plano de Disposição das Instalações de Tratamento de Esgoto (Prazeres)
 THE STUDY ON STORMWATER DRAINAGE AND SEWERAGE MANAGEMENT PLAN FOR RMR



TREATED SEWAGE DISCHARGE PIPE
SCALE: 1/20,000

TABLE OF FACILITIES

NUMBER	NAME
1	GRIT CHAMBERS AND INFLUENT WELL
2	RAFA REACTORS
3	AERATED LAGOONS
4	POLISHING PONDS
5	DISINFECTION TANK
6	SLUDGE THICKENER
7	SLUDGE DRYING BEDS
8	ADMINISTRATION BUILDING
9	ELECTRICAL ROOM

Fig.23

Planos de Disposição das Instalações de Tratamento de Esgoto (Curcurana)

SCALE: 1/2,000

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