

- LEGEND:**
- WATERSUPPLY**
 - EXISTING FRESH WATER SUPPLY
 - EXISTING SALT WATER SUPPLY
 - ELECTRICITY**
 - T— EXISTING HIGH TENSION CABLE
 - T— EXISTING PUBLIC LIGHTING CABLE
 - TELEPHONE**
 - T— EXISTING TELEPHONE DUCT
 - GAS**
 - EXISTING PRESSURE GASMAIN

REVISED	DATE	BY	CHKD	APP'D

ENVIRONMENTAL PROTECTION DEPARTMENT

FEASIBILITY STUDY FOR PROVIDING NOISE MITIGATION MEASURES ON EXISTING FLYOVERS

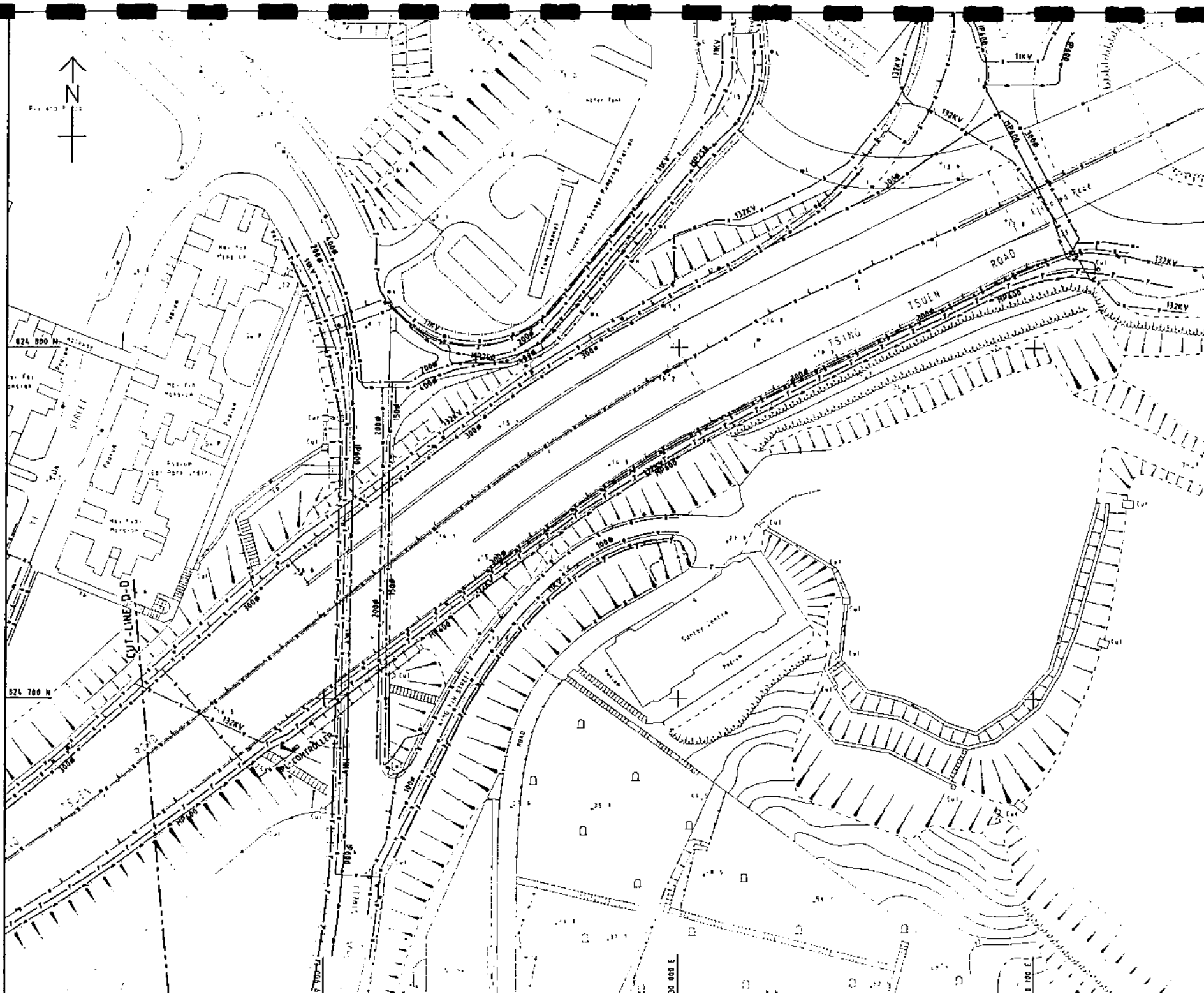
TSING TSUEN BRIDGE EXISTING LAYOUT OF UTILITIES AND SERVICES

MUNSELL CONSULTANTS ASIA LTD
及中國建築師事務所

DRG. NO. **FIGURE 5-9**

DATE: 1/90
SCALE: 1:100
PRELIMINARY

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- LEGEND:**
- WATERSUPPLY**
 - EXISTING FRESH WATER SUPPLY
 - - - EXISTING SALT WATER SUPPLY
 - ELECTRICITY**
 - 11KV EXISTING HIGH TENSION CABLE
 - - - EXISTING PUBLIC LIGHTING CABLE
 - TELEPHONE**
 - - - EXISTING TELEPHONE DUCT
 - GAS**
 - - - EXISTING PRESSURE GASMAIN

DATE	APPROVED BY	DATE	APPROVED BY
1981.12.28	AC	1982.01.28	AC

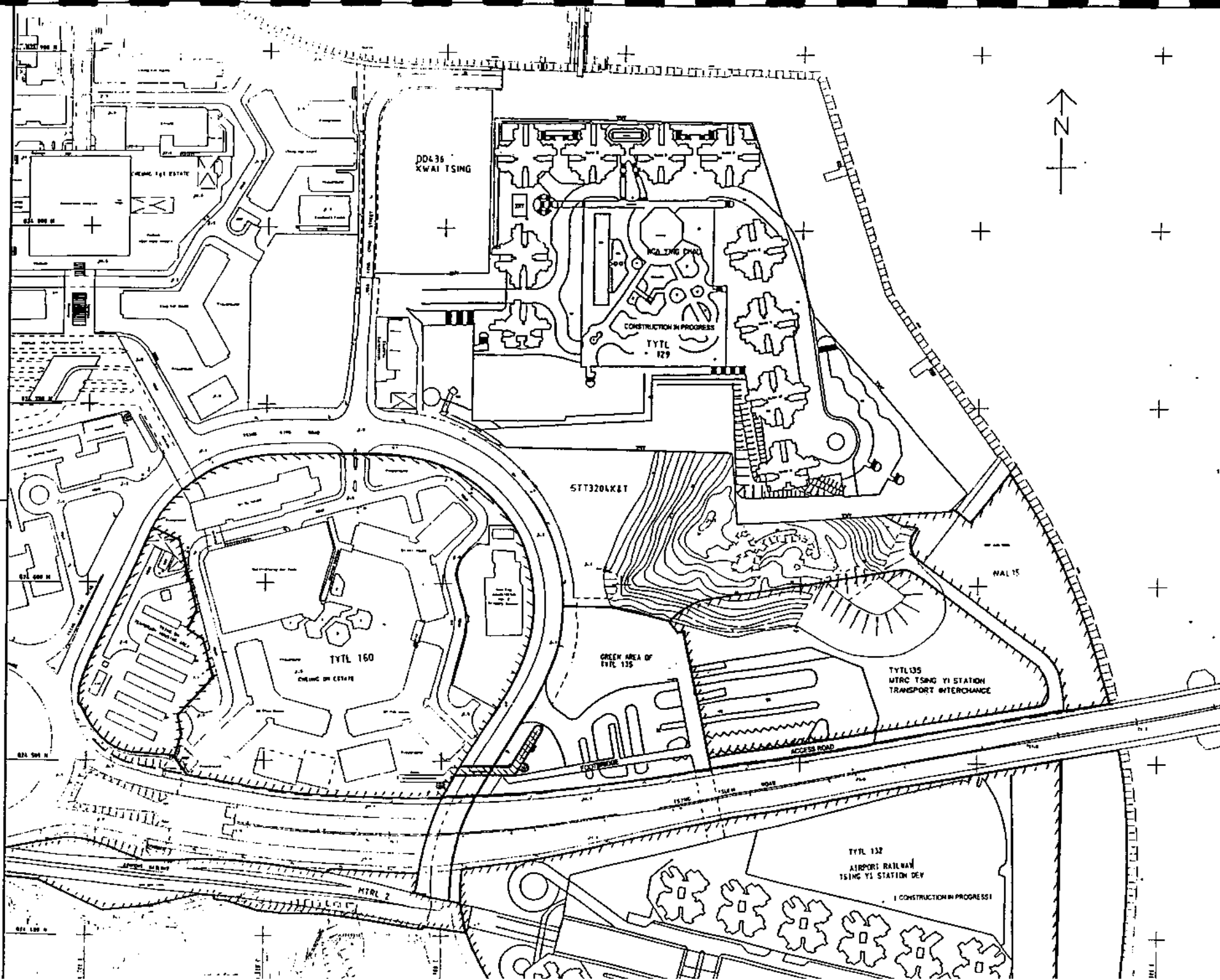
ENVIRONMENTAL PROTECTION DEPARTMENT
 FEASIBILITY STUDY FOR PROVIDING NOISE MITIGATION MEASURES ON EXISTING FLYOVERS


TSING TSUEN BRIDGE EXISTING LAYOUT OF UTILITIES AND SERVICES
 (Sheet 2)

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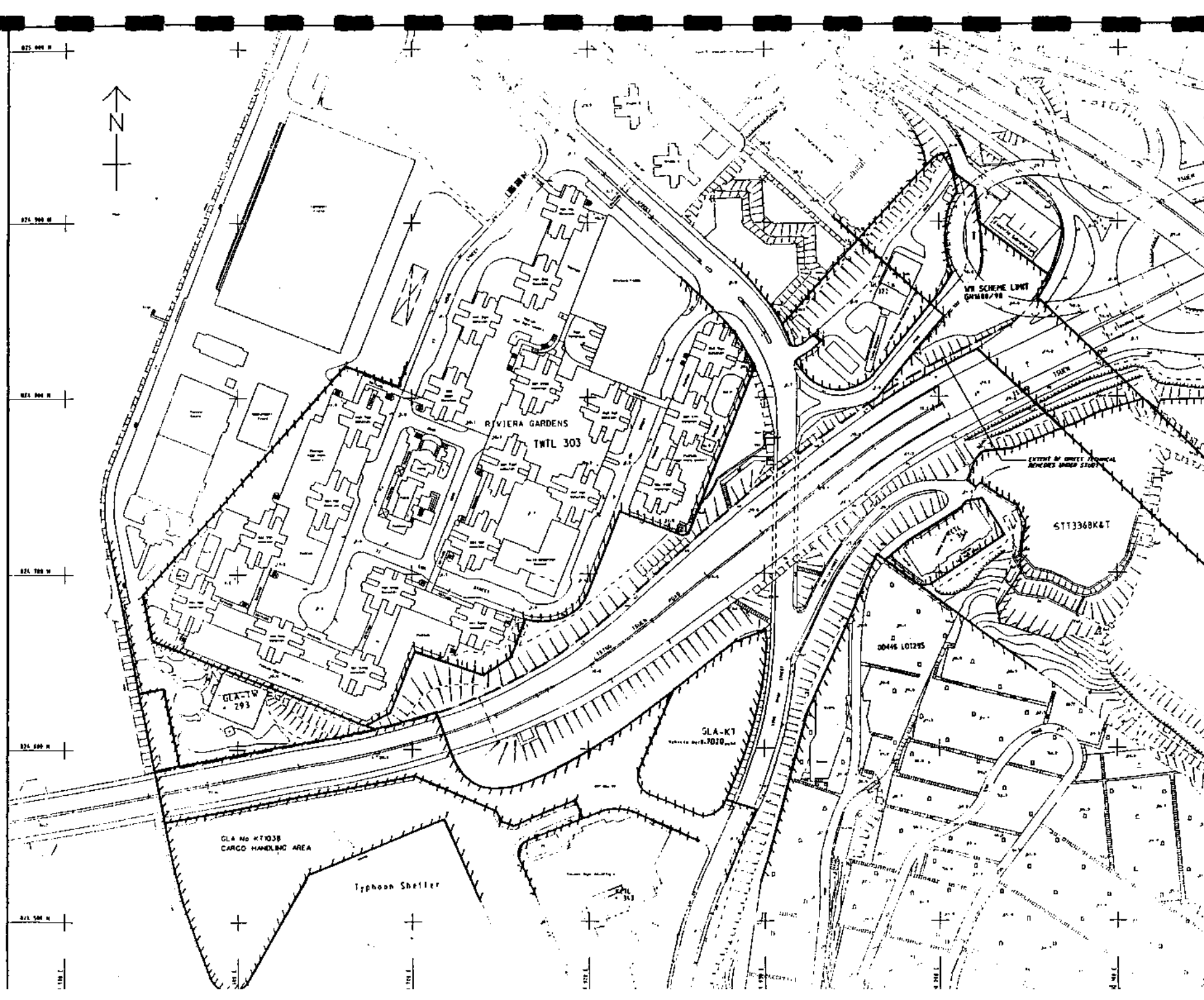
DRG. NO.	FIGURE	5-9
AC	DATE	11/82
1/100	SCALE	
1/500	SCALE	
PRELIMINARY		

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 ENVIRONMENTAL PROTECTION DEPARTMENT	
TSING TUEN BRIDGE LAND STATUS PLAN	
SHEET 1 OF 1	
HAINSELL CONSULTANTS ASIA LTD. 23-25/F WING LOK BUILDING, 298 WING LOK STREET, HONG KONG	
FIGURE NO. 5-10	Figure 5-10
SCALE 1:1000	DATE 02/01/97
PRELIMINARY	

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ENVIRONMENTAL PROTECTION DEPARTMENT

FEASIBILITY STUDY FOR PROVIDING NOISE MITIGATION MEASURES ON EXISTING FLYOVERS

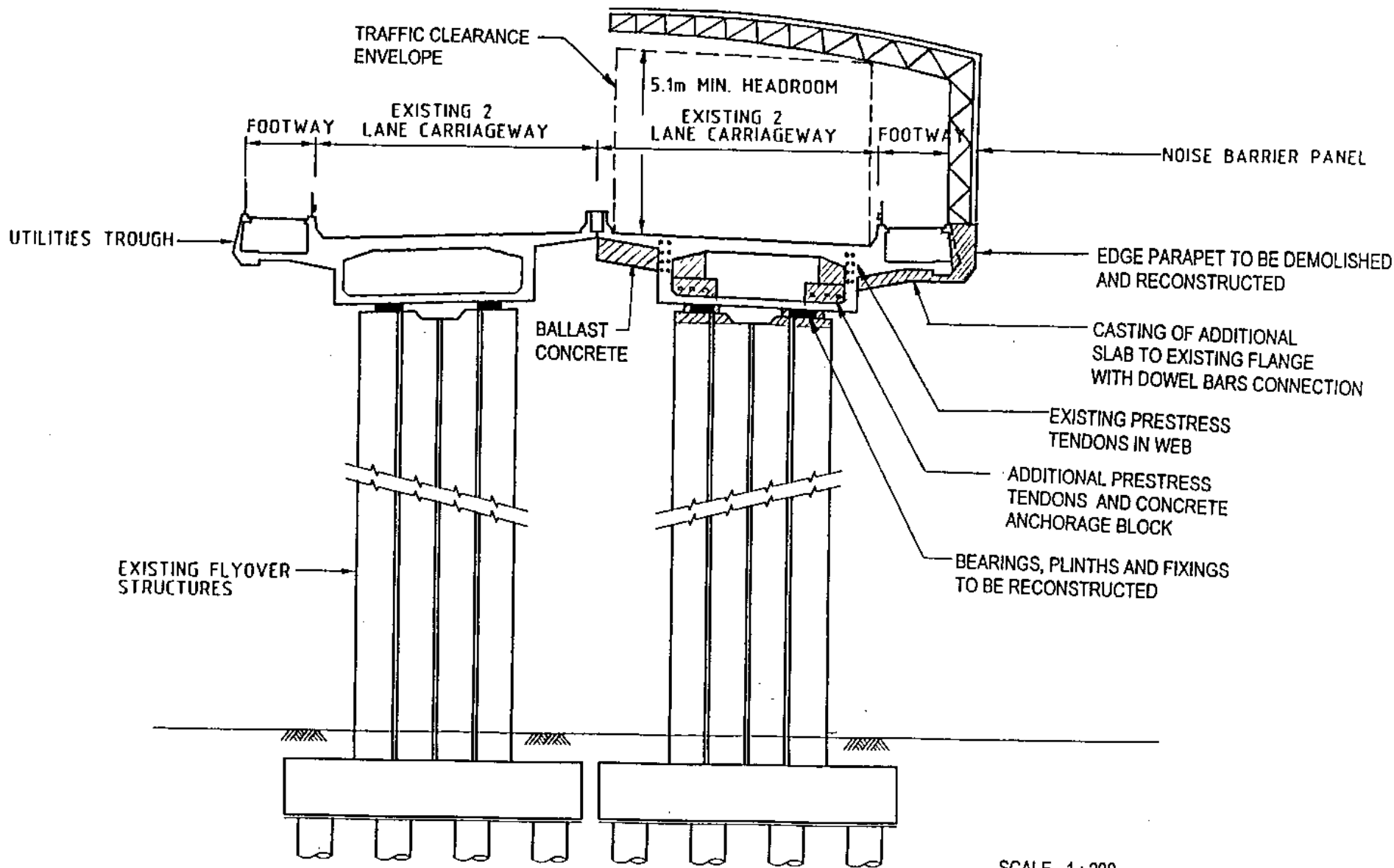
TSING TUEN BRIDGE LAND STATUS PLAN

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及馬基士地工程顧問有限公司

FIGURE NO. Figure 5-11

SCALE	1:1000	DATE	25/11	PROJECT	PRELIMINARY
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Maiseill



FEASIBILITY STUDY FOR PROVIDING NOISE MITIGATION MEASURES ON EXISTING FLYOVERS

TSING TSUEN BRIDGE - CONCEPTUAL DETAILS OF BRIDGE STRENGTHENING WORKS FOR NOISE BARRIER DIRECT INSTALLATION ON FLYOVER

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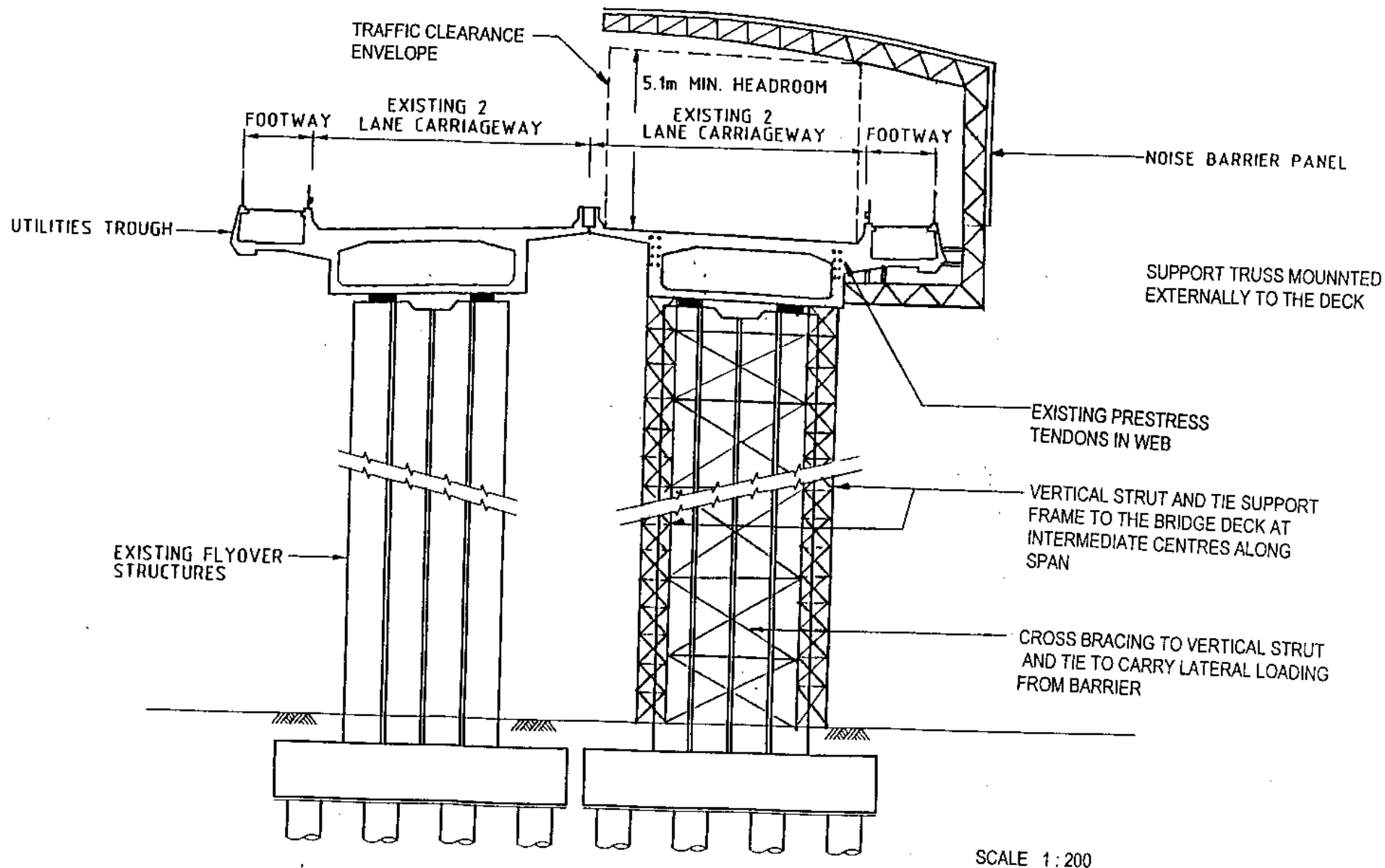
茂盛亞洲工程顧問有限公司

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93598

FIGURE:

5-12



SCALE 1:200

FEASIBILITY STUDY FOR PROVIDING NOISE MITIGATION MEASURES ON EXISTING FLYOVERS

TSING TSUEN BRIDGE - CONCEPTUAL DETAILS OF BRIDGE STRENGTHENING WITH EXTERNAL SUPPORT

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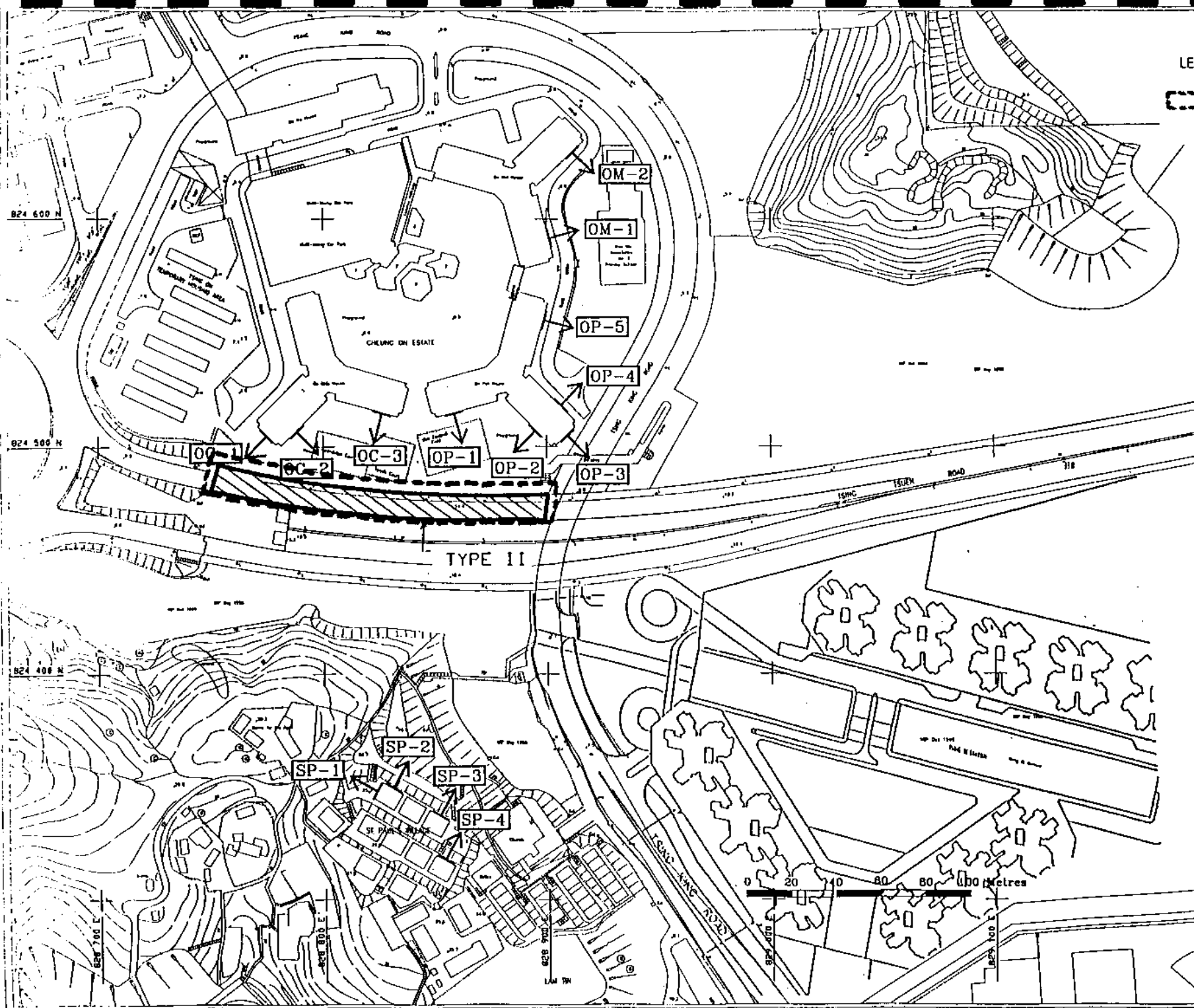
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
93598


FIGURE

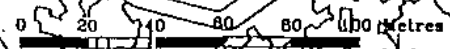
5-13



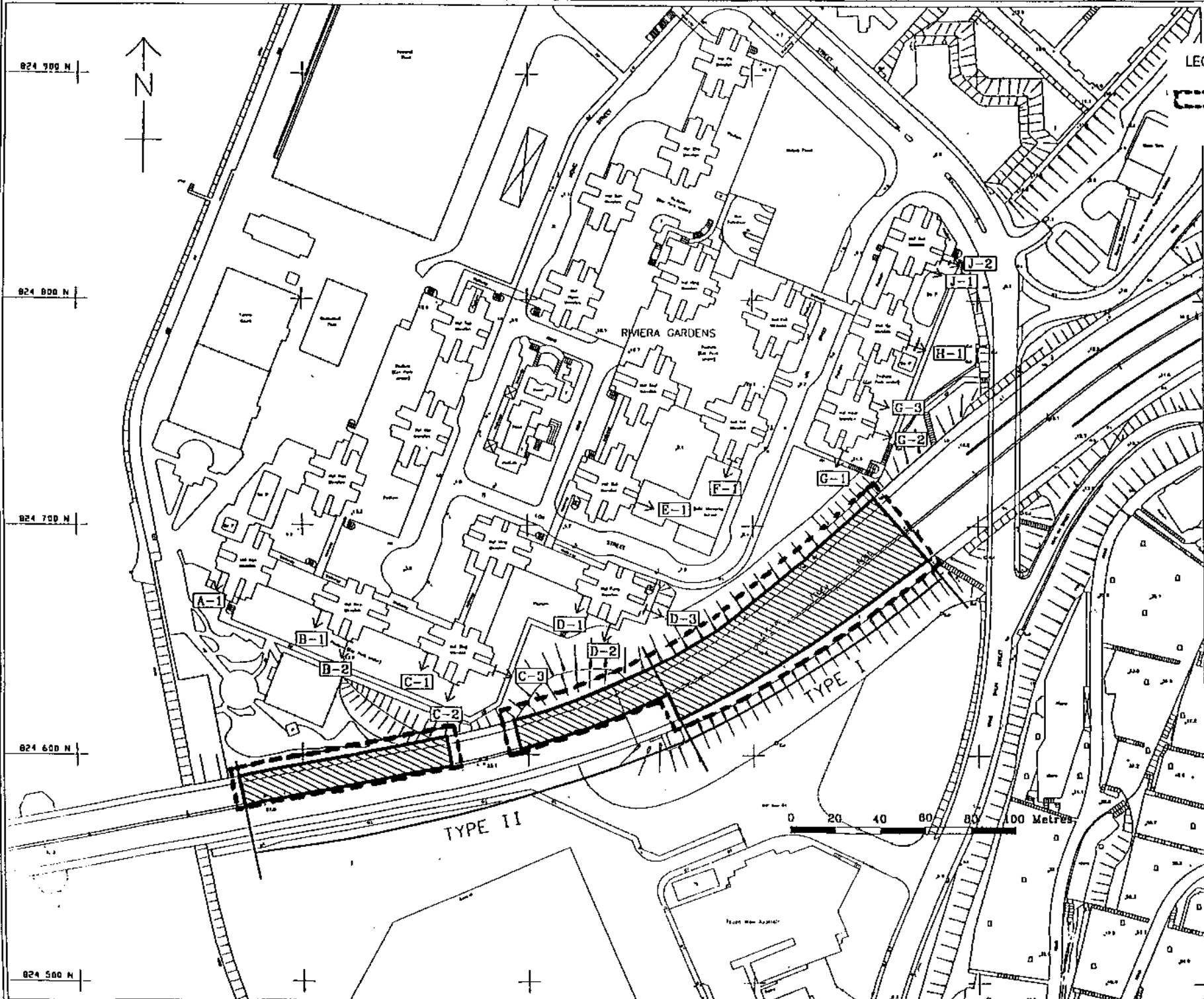
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 BOUNDARY OF LANDS FOR POSITIONING MITIGATION STRUCTURE

	ENVIRONMENTAL PROTECTION DEPARTMENT
	FEASIBILITY STUDY FOR PROVIDING NOISE MITIGATION MEASURES ON EXISTING FLYOVERS
TSING TSUEN BRIDGE LAND REQUIREMENT PLAN (SHEET 1)	
MAUNSELL CONSULTANTS ASIA LTD 及馬塞爾建築師事務所	
FIGURE NO. 圖號	Figure 5-14
SCALE 比例	AS SHOWN
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824 900 N

824 800 N


824 700 N

824 600 N

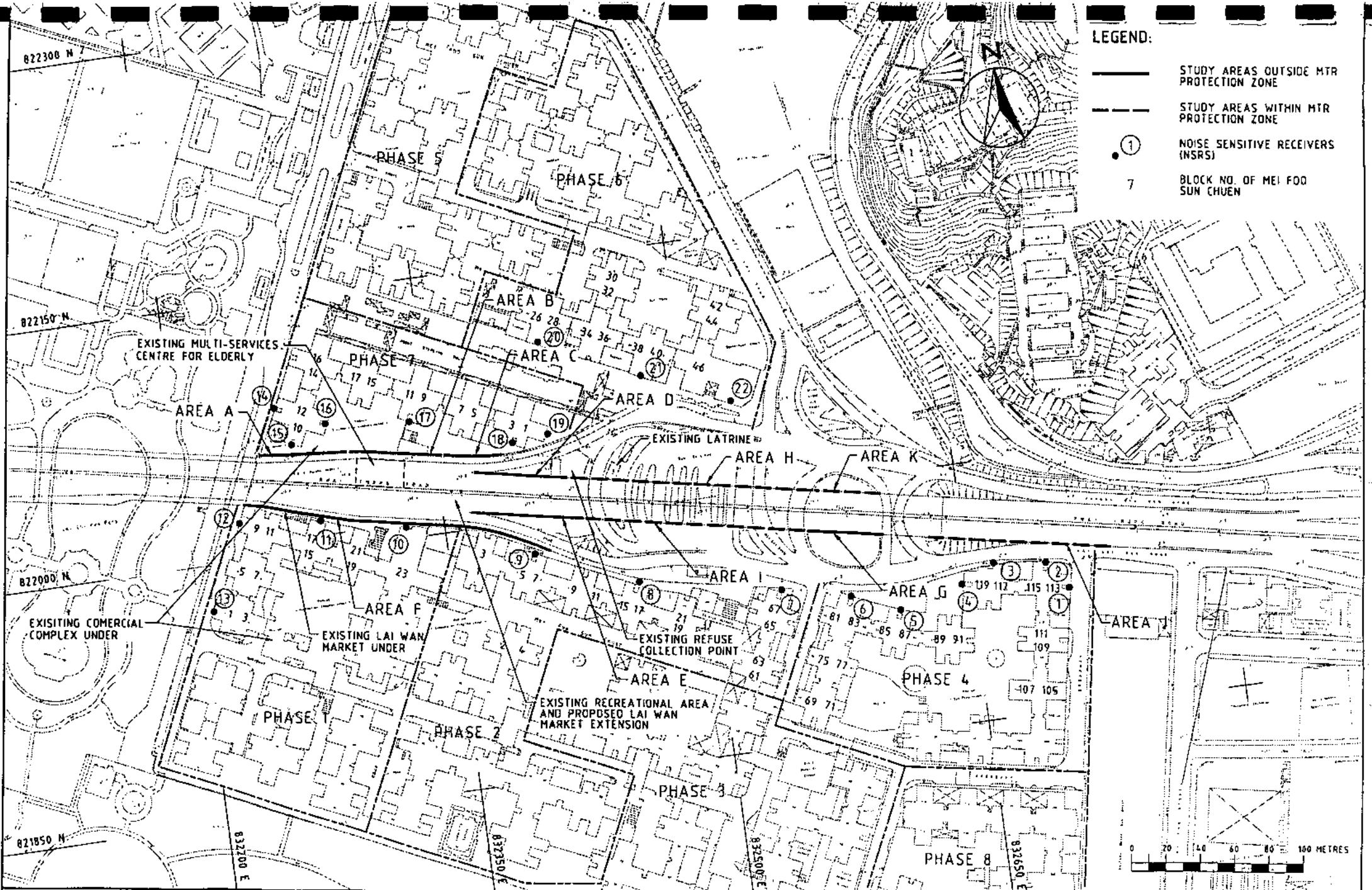
824 500 N

LEGEND:

 BOUNDARY OF LANDS FOR POSITIONING MITIGATION STRUCTURE

	ENVIRONMENTAL PROTECTION DEPARTMENT
FEASIBILITY STUDY FOR PROVIDING NOISE MITIGATION MEASURES ON EXISTING FLYOVERS	
TSING TSUEN BRIDGE LAND REQUIREMENT PLAN (SHEET 2)	
MUNSELL CONSULTANTS ASIA LTD. 萬維(亞洲)工程顧問有限公司	
FIGURE NO 圖號	Figure 5-16
SCALE 比例尺	AS SHOWN
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FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
 GENERAL LAYOUT PLAN OF STUDY AREA FOR
 KWAI CHUNG ROAD FLYOVER NEAR MEI FOO SUN CHUEN

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JOB NO.:
 95796

FIGURE:
 FIG 6-1



AREA A (Ground Level)



AREA B (Ground Level)



AREA C (Ground Level)



AREA D (Ground Level)



AREA E (Flyover Level)



AREA F (Ground Level)



AREA F (Flyover Level)



AREA B & C (Flyover Level)



AREA G (Ground Level)

FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
SITE FEATURES AT KWAI CHUNG ROAD FLYOVER

SCALE 1 : 2500

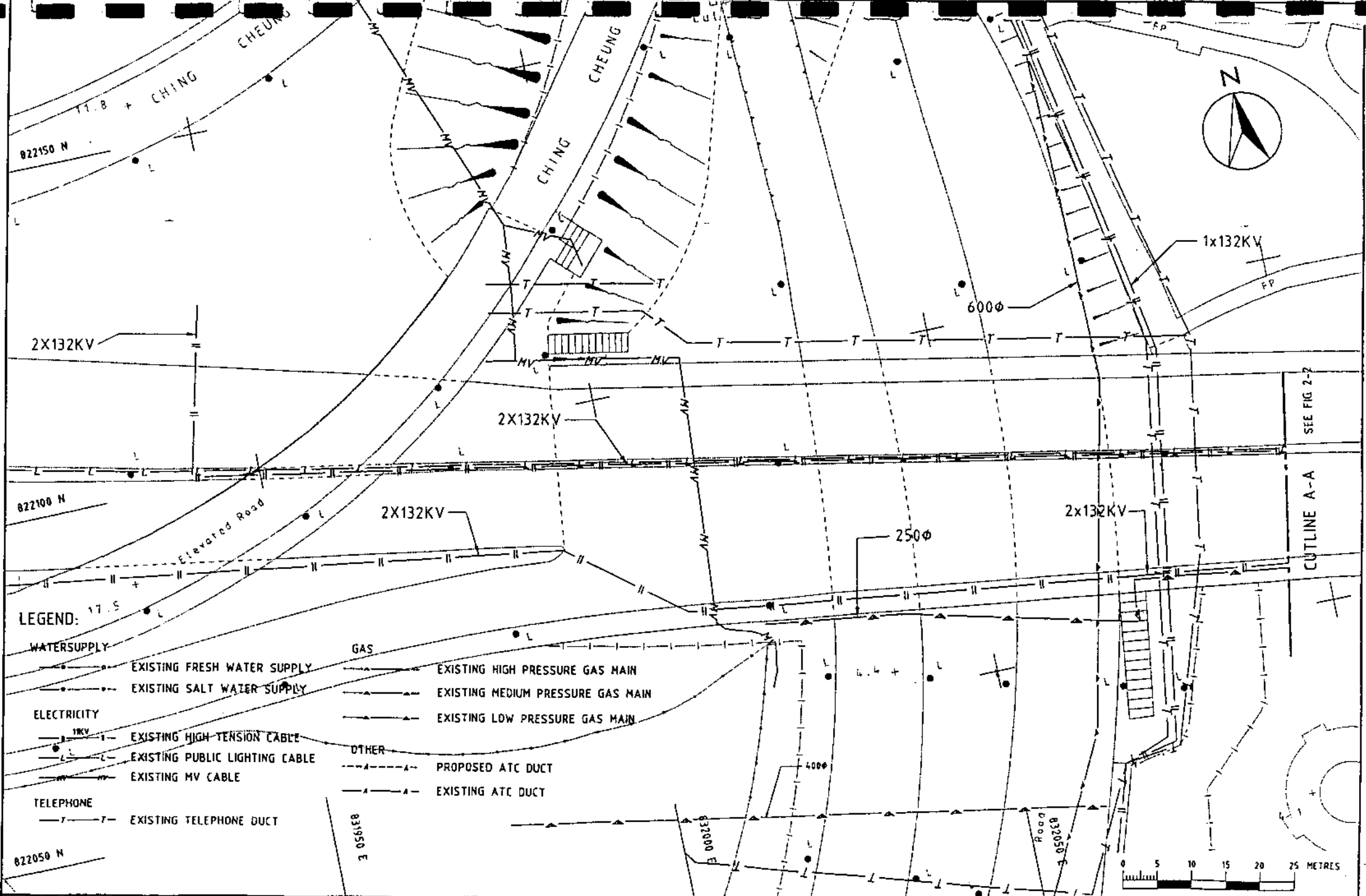
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馬敏(亞洲)工程顧問有限公司

JOB NO.:

95796

FIGURE:

FIG 6-2



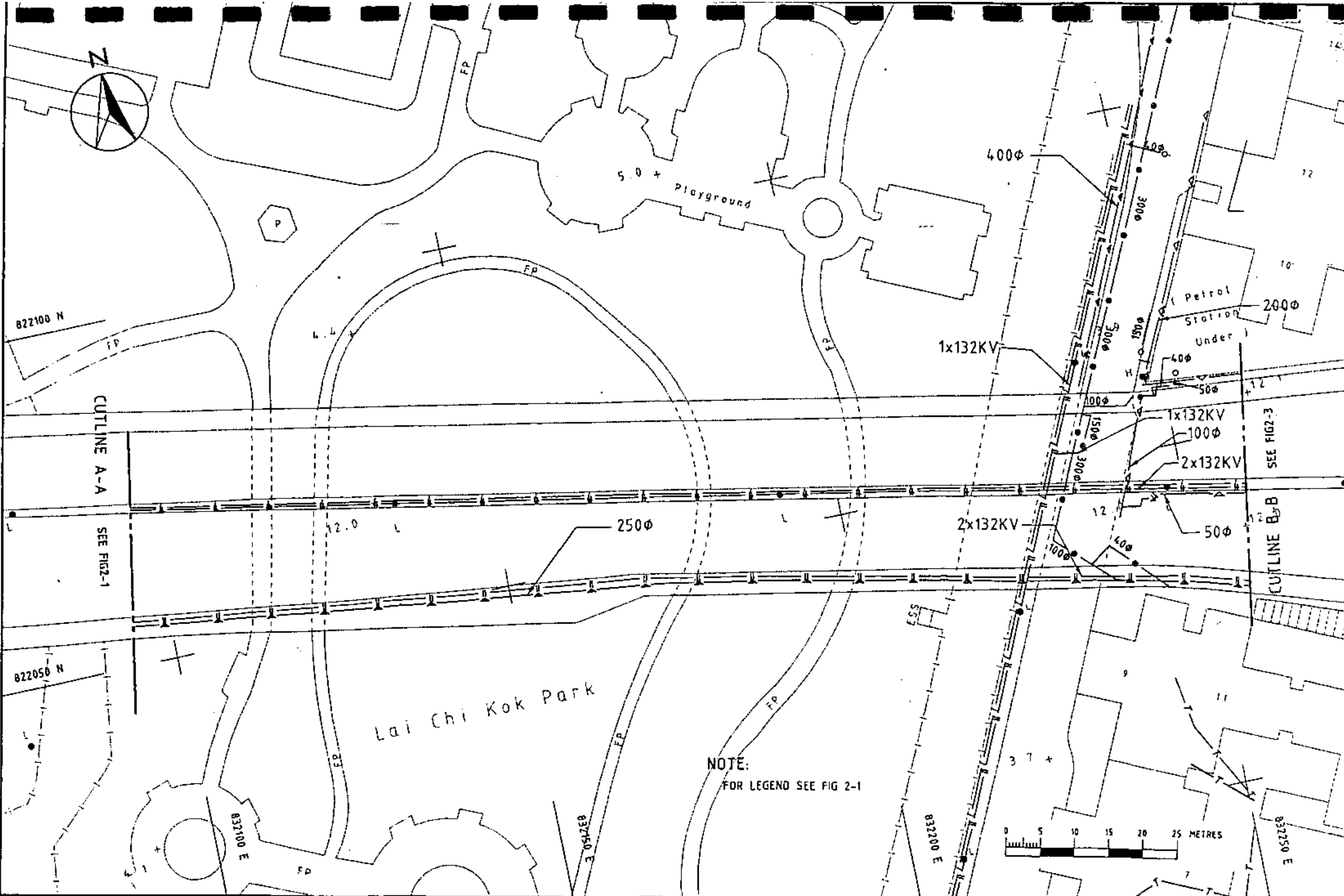
- LEGEND:**
- | | | | |
|--------------------|--------------------------------|--------------|-----------------------------------|
| WATERSUPPLY | | GAS | |
| ●—● | EXISTING FRESH WATER SUPPLY | —▲— | EXISTING HIGH PRESSURE GAS MAIN |
| ●—● | EXISTING SALT WATER SUPPLY | —▲— | EXISTING MEDIUM PRESSURE GAS MAIN |
| ELECTRICITY | | OTHER | |
| —●— | EXISTING HIGH-TENSION CABLE | - - - - - | PROPOSED ATC DUCT |
| —●— | EXISTING PUBLIC LIGHTING CABLE | —▲— | EXISTING ATC DUCT |
| —●— | EXISTING MV CABLE | | |
| TELEPHONE | | | |
| —T— | EXISTING TELEPHONE DUCT | | |

FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
 EXISTING UTILITIES AND SERVICES AT KWAI CHUNG ROAD FLYOVER

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 95796

FIGURE:
 FIG 6-3

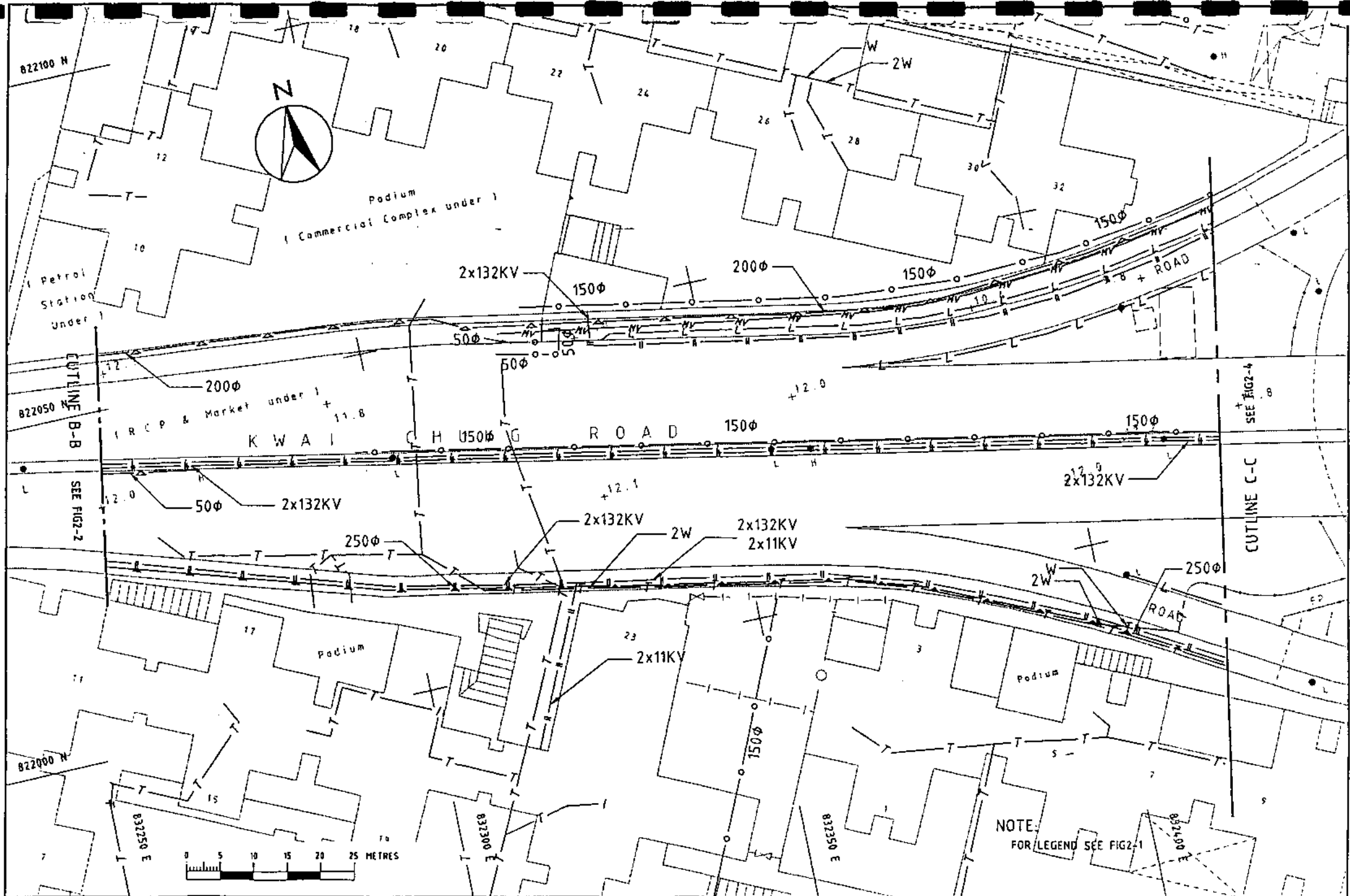


FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
 EXISTING UTILITIES AND SERVICES AT KWAI CHUNG ROAD FLYOVER

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JOB NO.:
 95796

FIGURE:
 FIG 6-4

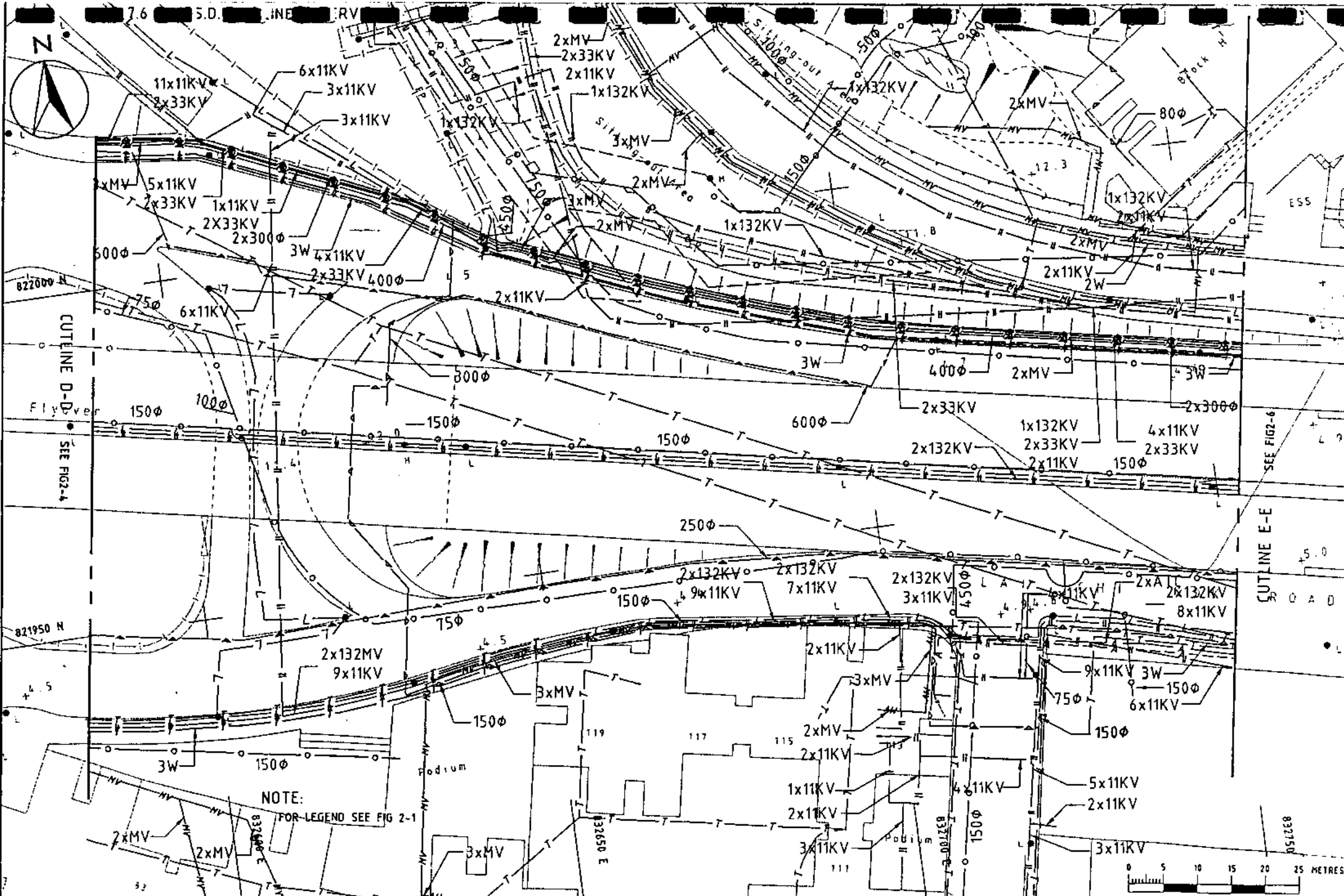


FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
 EXISTING UTILITIES AND SERVICES AT KWAI CHUNG ROAD FLYOVER

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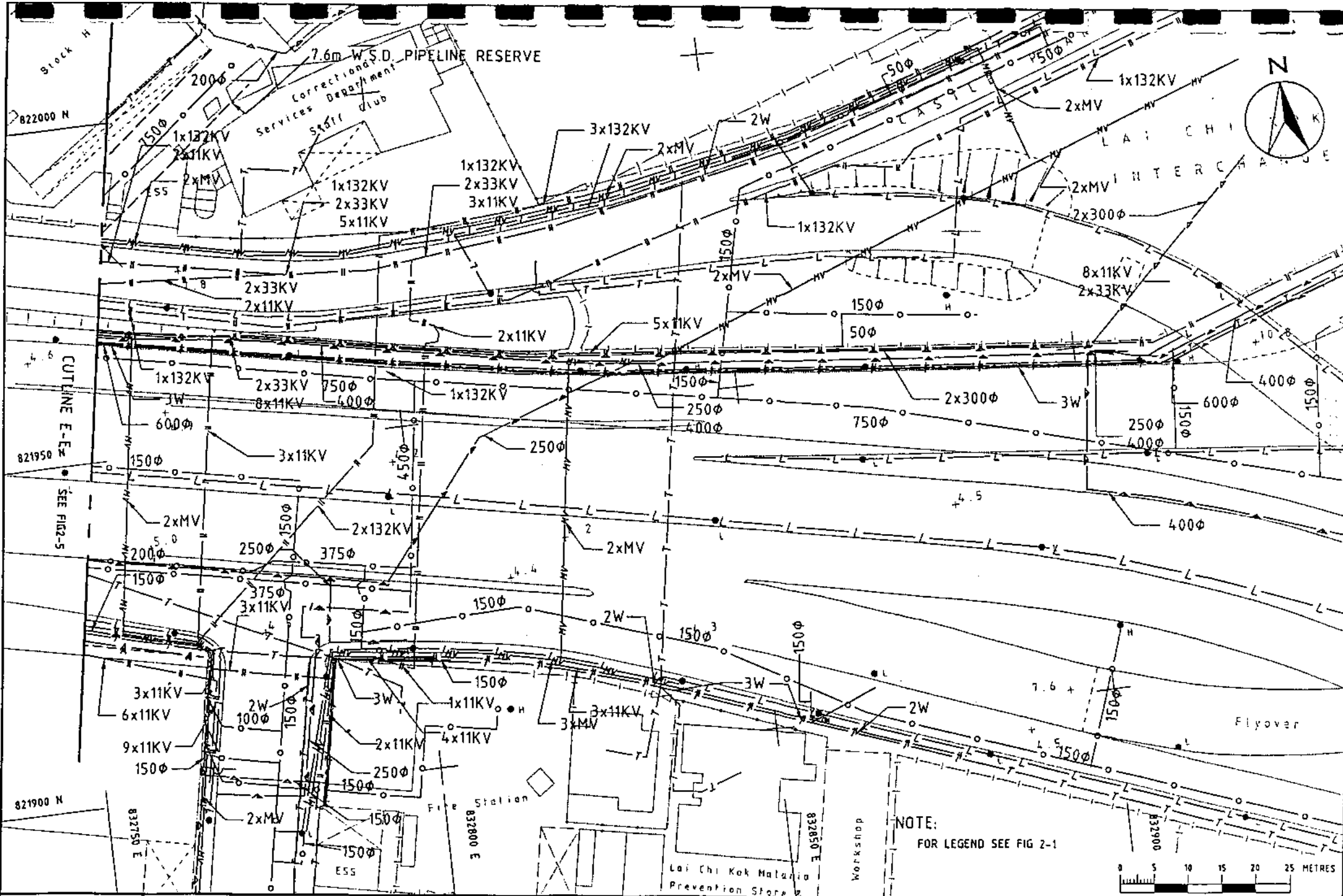
FIGURE:
 FIG 6-5



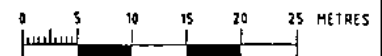
FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
 EXISTING UTILITIES AND SERVICES AT KWAI CHUNG ROAD FLYOVER



JOB NO.:	95796	FIGURE:	FIG 6-7
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NOTE:
FOR LEGEND SEE FIG 2-1

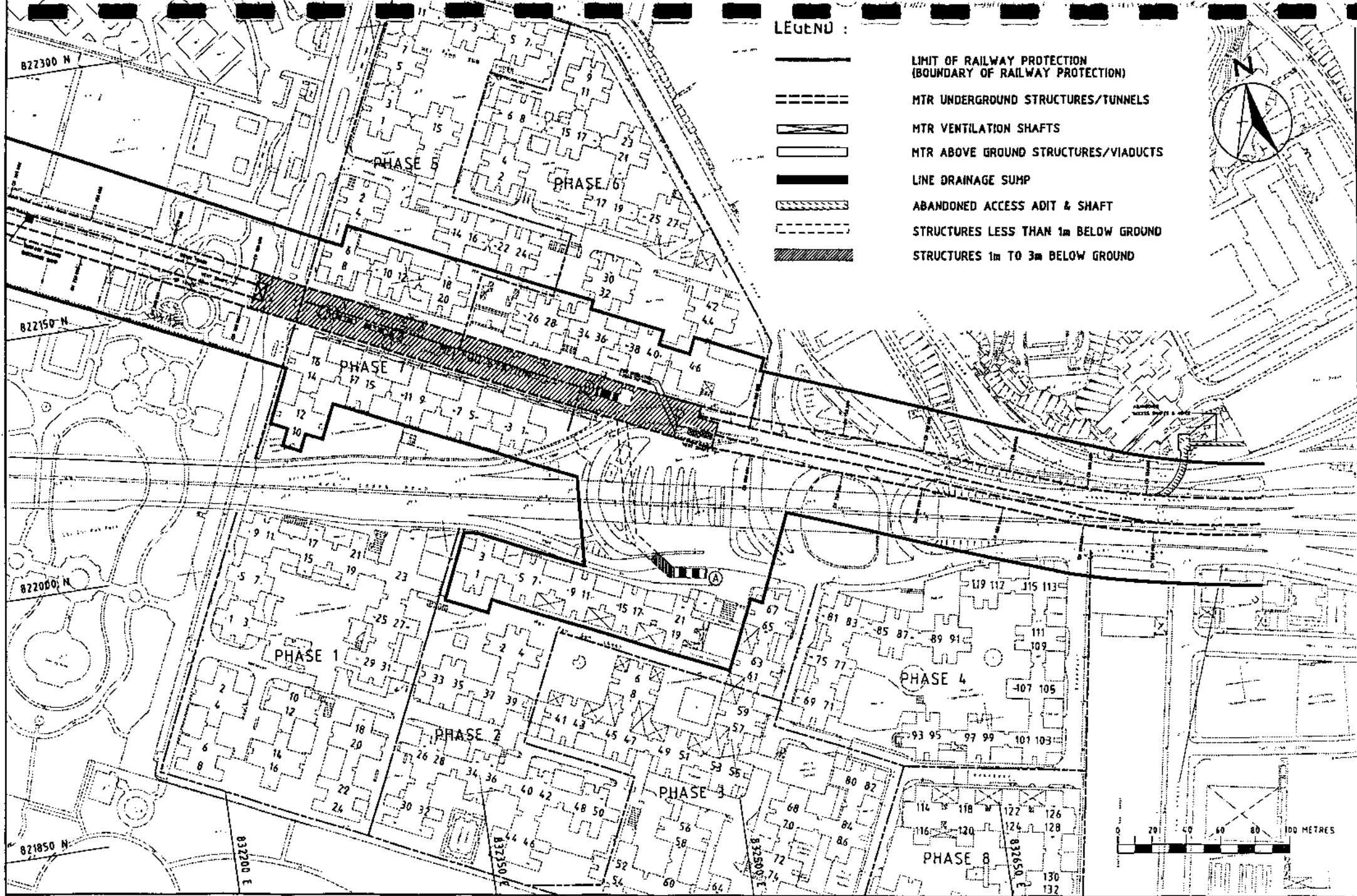


FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
EXISTING UTILITIES AND SERVICES AT KWAI CHUNG ROAD FLYOVER









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FIGURE:
FIG 6-8



LEGEND :

-  LIMIT OF RAILWAY PROTECTION (BOUNDARY OF RAILWAY PROTECTION)
-  MTR UNDERGROUND STRUCTURES/TUNNELS
-  MTR VENTILATION SHAFTS
-  MTR ABOVE GROUND STRUCTURES/VIADUCTS
-  LINE DRAINAGE SUMP
-  ABANDONED ACCESS ADIT & SHAFT
-  STRUCTURES LESS THAN 1m BELOW GROUND
-  STRUCTURES 1m TO 3m BELOW GROUND

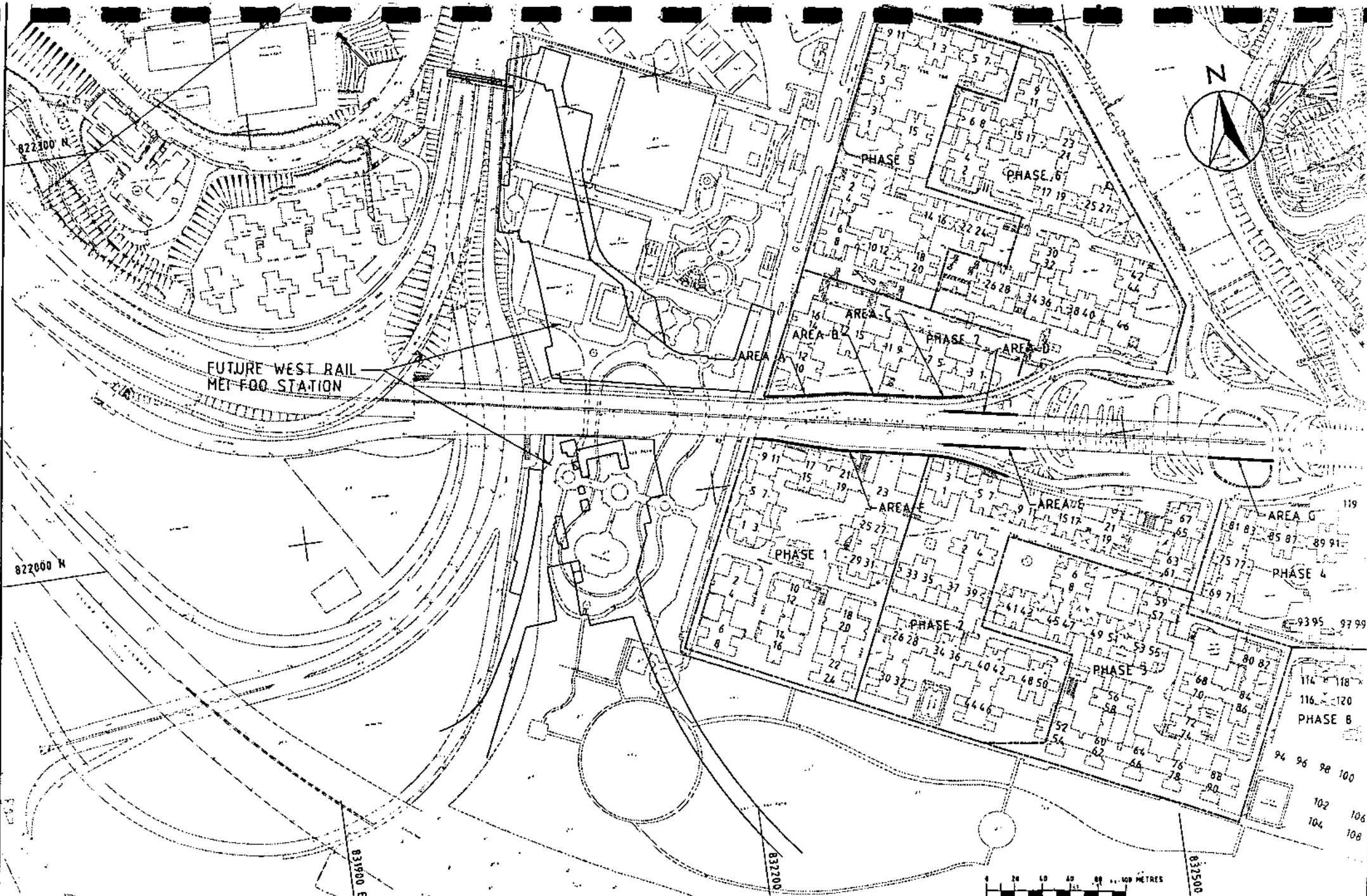
FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES

**MASS TRANSIT RAILWAY-
RAILWAY PROTECTION PLAN, MEI FOO STATION AND TUNNELS**

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FIGURE:
FIG 6-9



FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES

FUTURE WEST RAIL MEI FOO STATION

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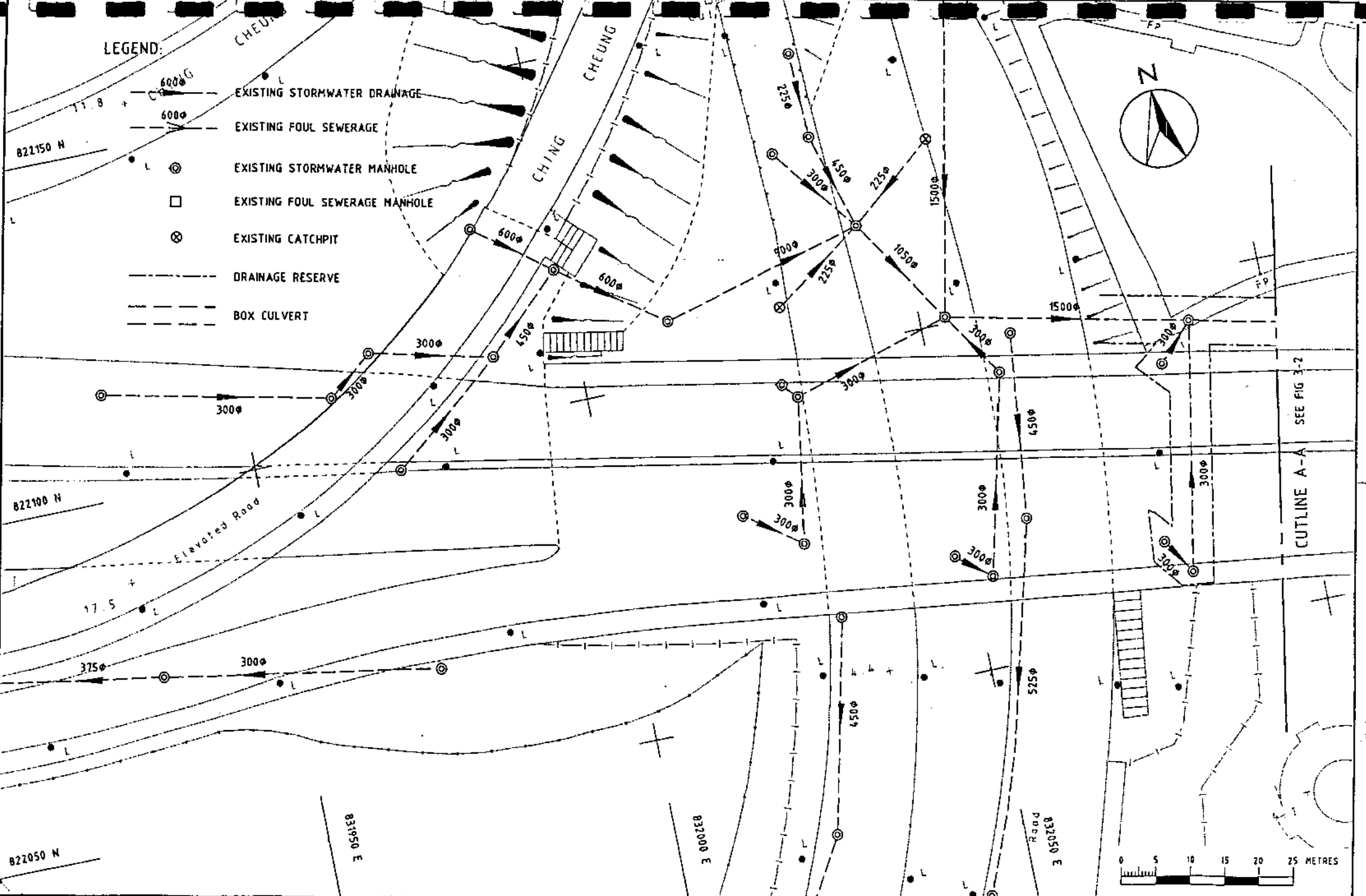
95796

FIGURE:

FIG 6-10

LEGEND:

- 600φ EXISTING STORMWATER DRAINAGE
- 600φ EXISTING FOUL SEWERAGE
- EXISTING STORMWATER MANHOLE
- EXISTING FOUL SEWERAGE MANHOLE
- EXISTING CATCHPIT
- DRAINAGE RESERVE
- BOX CULVERT

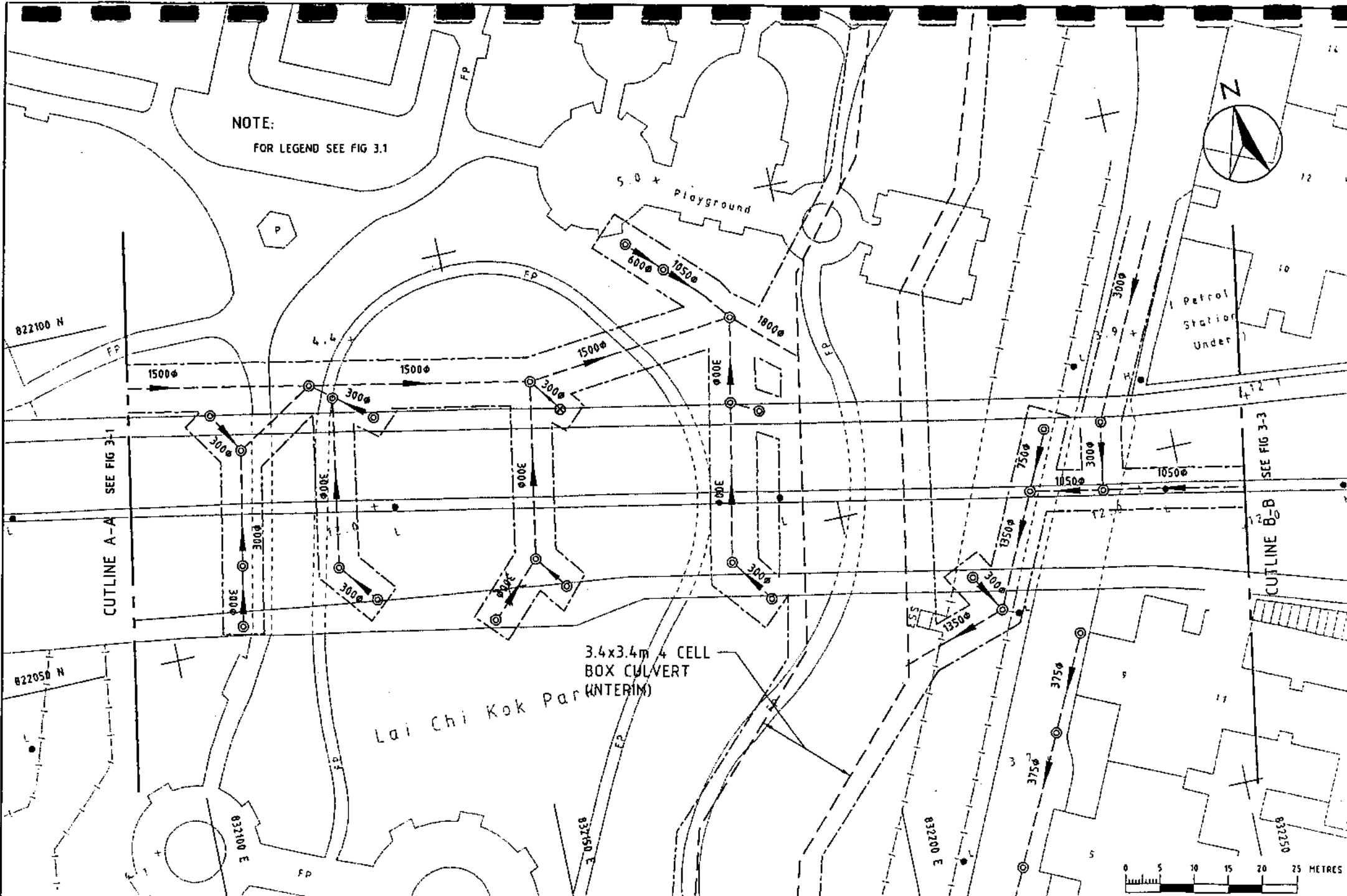


FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
 EXISTING DRAINAGE AND SEWERAGE AT KWAI CHUNG ROAD FLYOVER

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FIGURE:
 FIG 6-11



FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES

EXISTING DRAINAGE AND SEWERAGE AT KWAI CHUNG ROAD FLYOVER

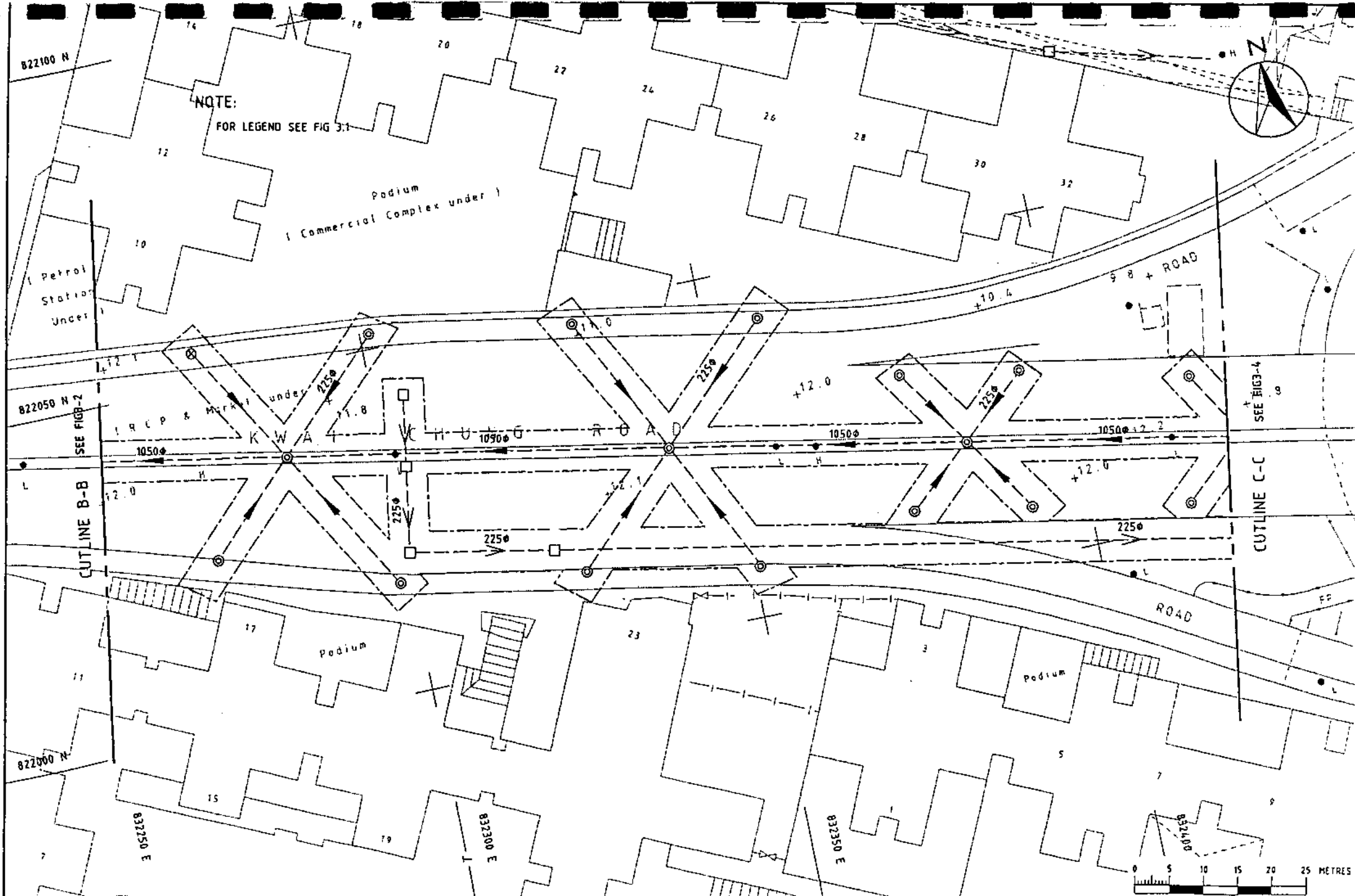
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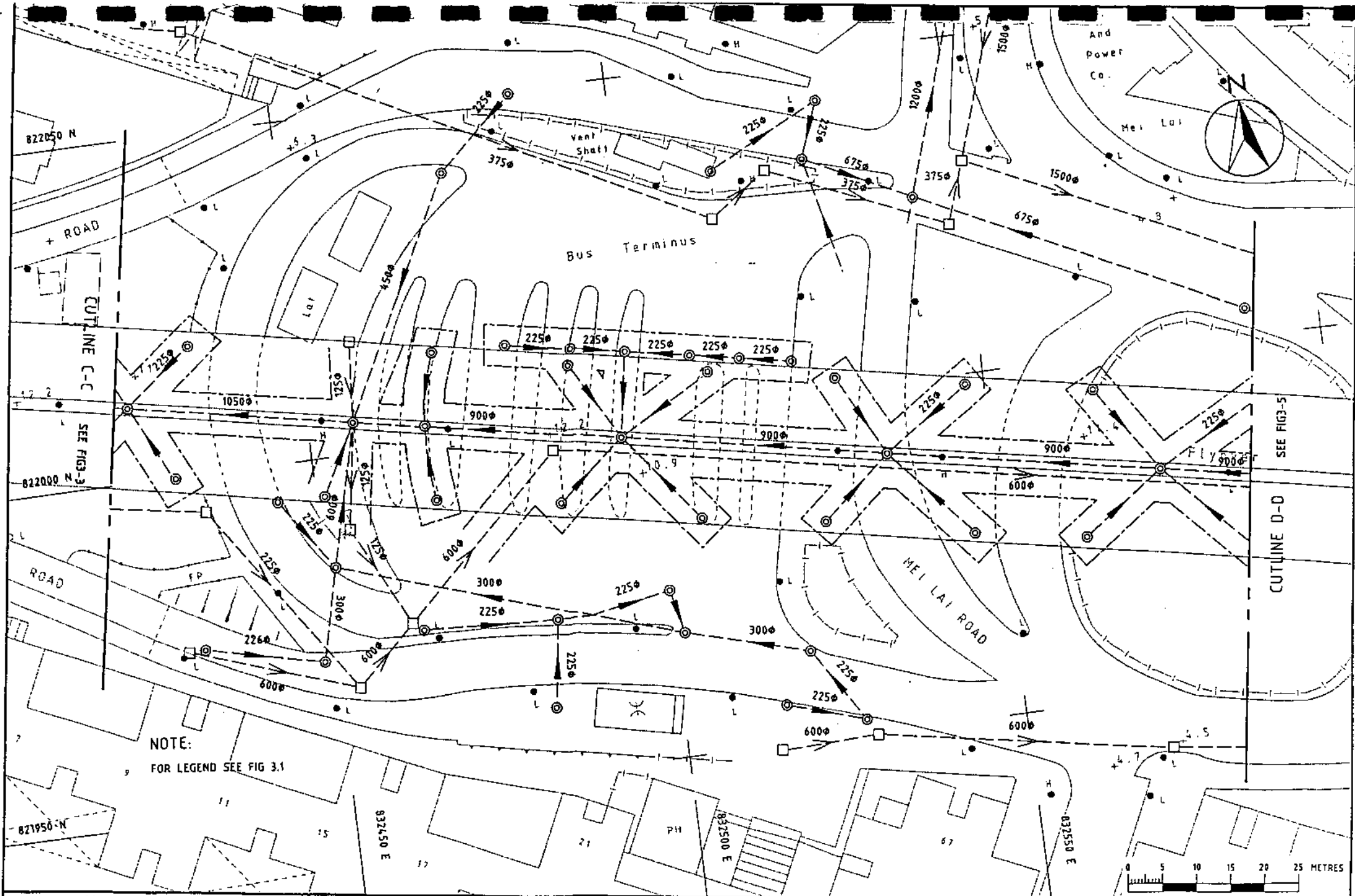
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FIGURE:

FIG 6-12



FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
EXISTING DRAINAGE AND SEWERAGE AT KWAI CHUNG ROAD FLYOVER



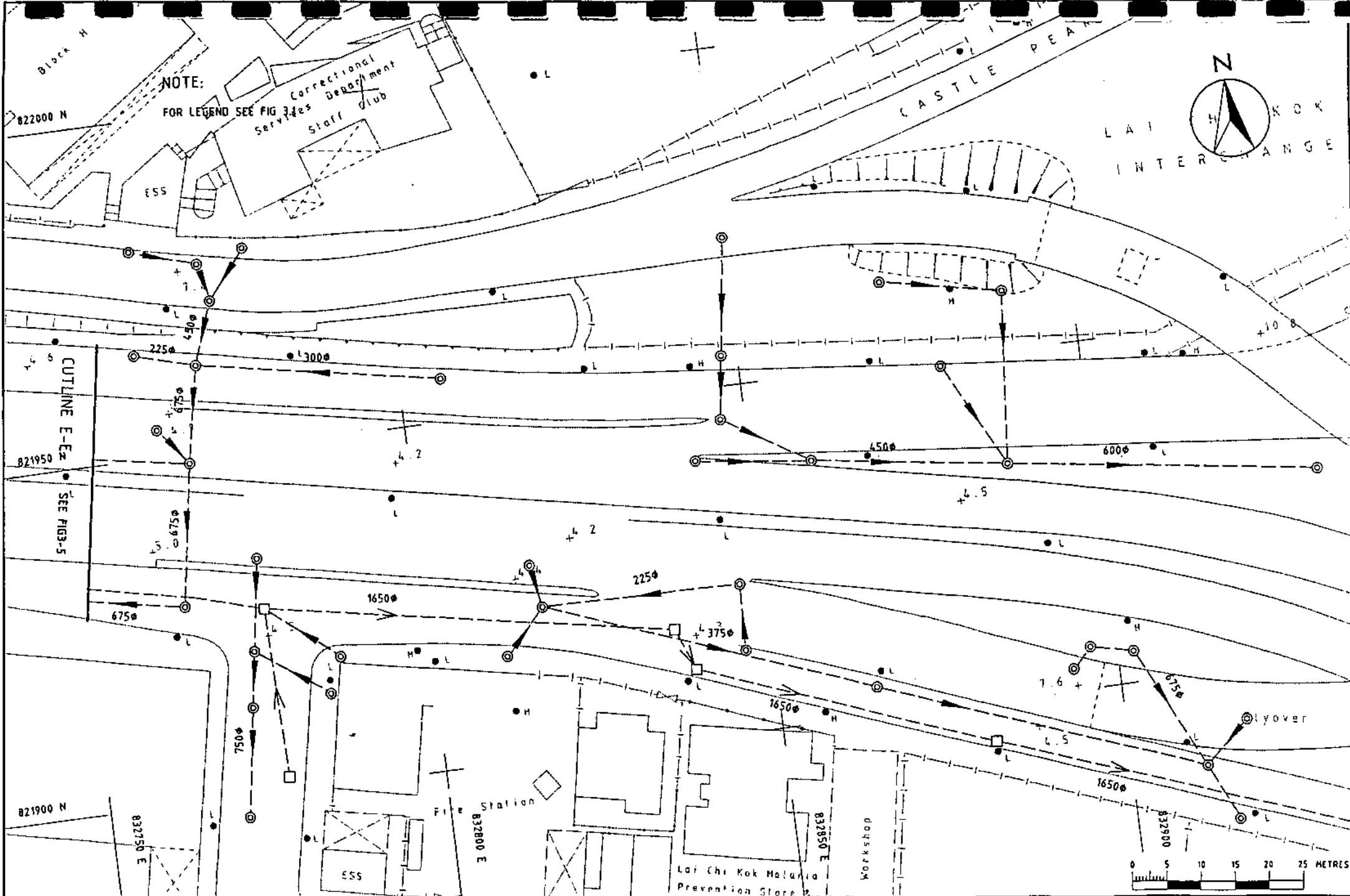
NOTE:
FOR LEGEND SEE FIG 3.1

FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
EXISTING DRAINAGE AND SEWERAGE AT KWAI CHUNG ROAD FLYOVER

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FIGURE:
FIG 6-14



NOTE:

FOR LEGEND SEE FIG 3-4

Correctional Department
Services Staff Club

CASTLE PEAK

LAI CHI KOK
INTERCHANGE

CUTLINE E-E
SEE FIGS-5

Fire Station

Lai Chi Kok Malaria
Prevention Store

Workshop

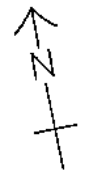
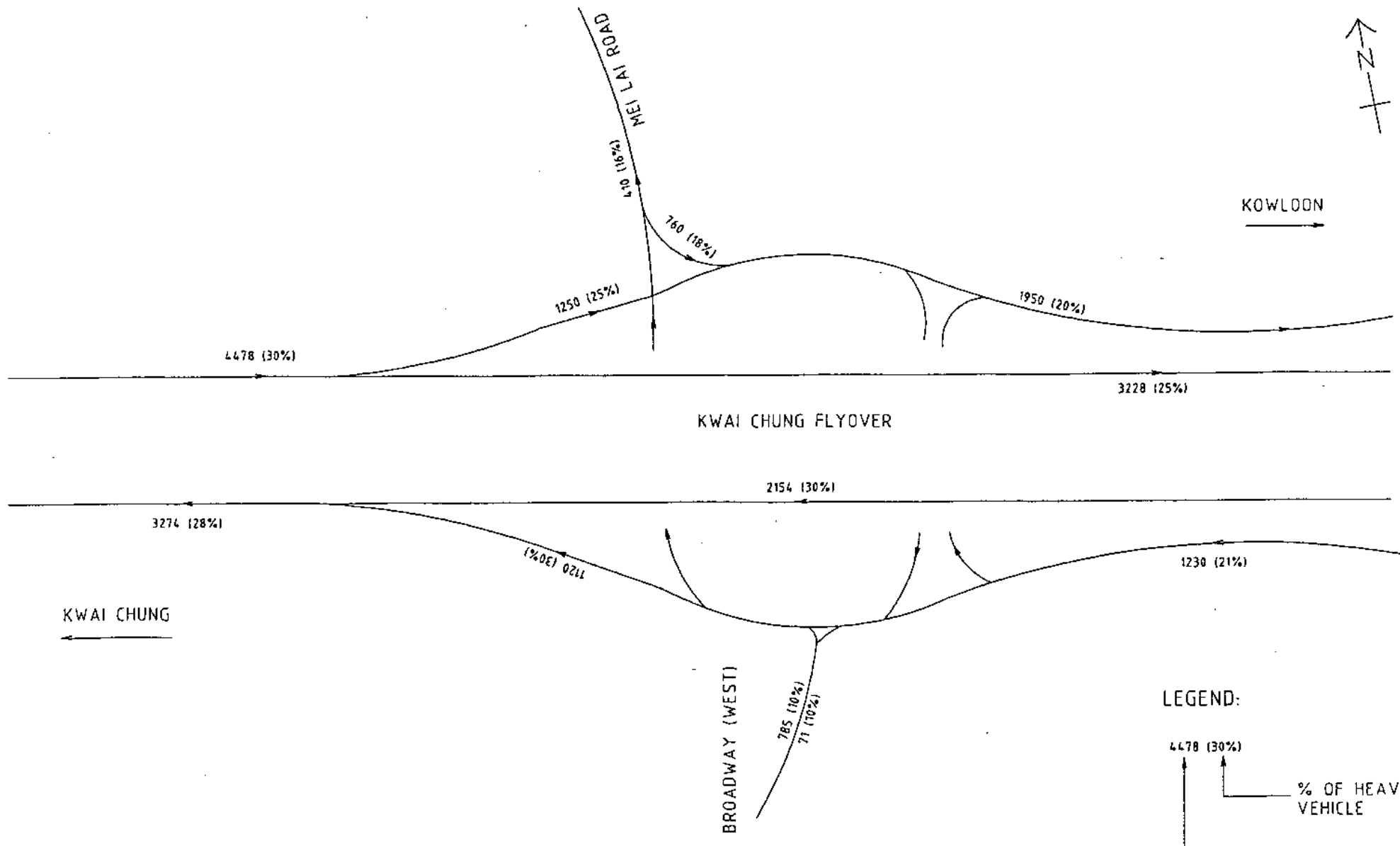
flyover

FEASIBILITY STUDY FOR PROVIDING RETROACTIVE ROAD TRAFFIC NOISE MITIGATION MEASURES
EXISTING DRAINAGE AND SEWERAGE AT KWAI CHUNG ROAD FLYOVER

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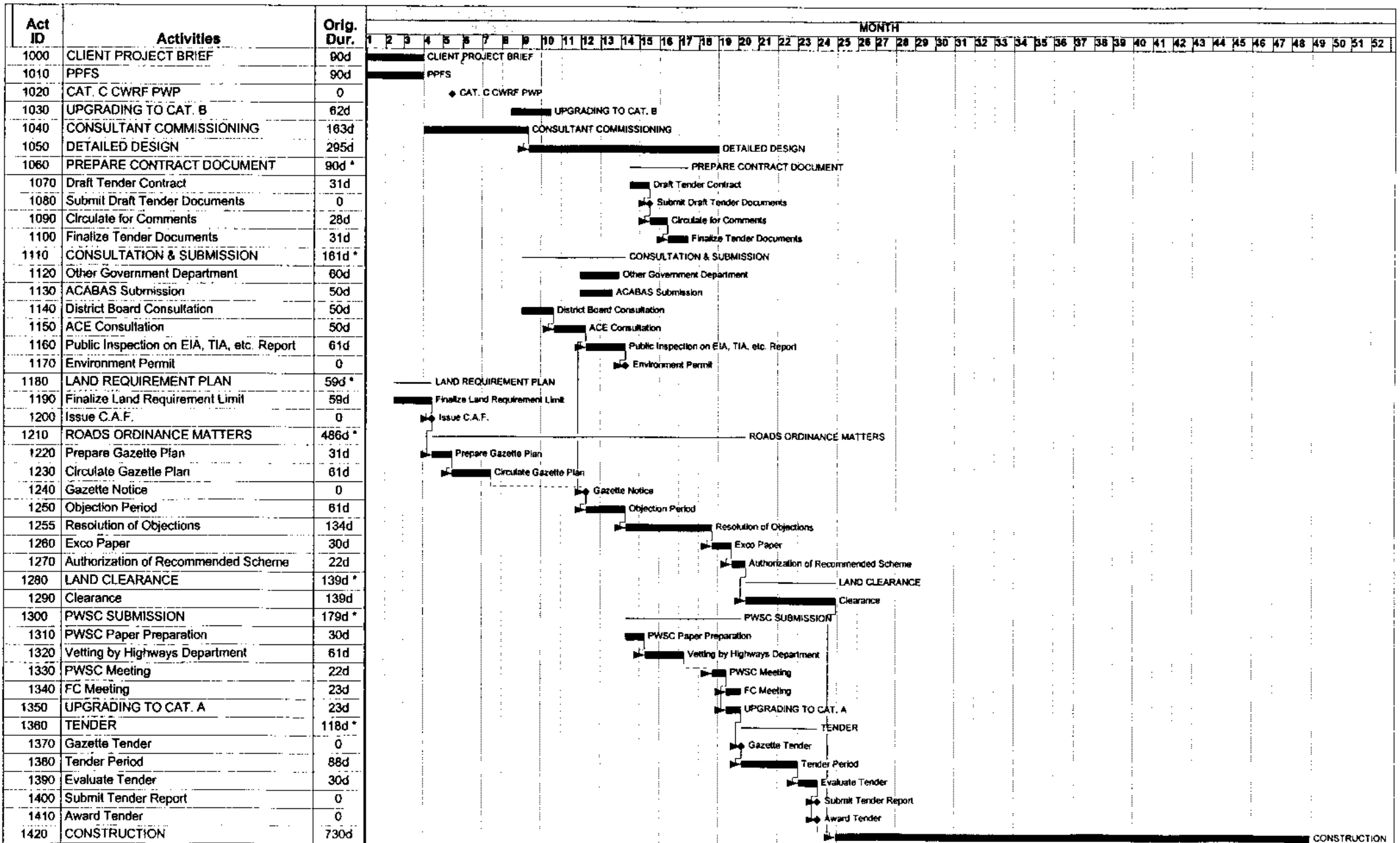
FIGURE:
FIG 6-16



KOWLOON
→

←
KWAI CHUNG

LEGEND:
 4,478 (30%)
 ┌───┐
 │ │
 └───┘ % OF HEAVY VEHICLE
 └───┘ TOTAL VEHICLES/HOUR AM PEAK



Page number 1A
Run date 27APR96

Agreement No. CE95/97
Facility Study for Providing Noise Mitigation Measures on Existing Flyovers

Typical Project Programme

- █ Early bar
- Summary bar
- ◆ Start milestone point
- ◆ Finish milestone point

Figure 9-1