

KCRC GSA-021

LIGHT RAIL TRANSIT ALTERATIONS EIA

Final EIA Report [Appendices]

LRT Extension in Tin Shui Wai Reserve Zone and Grade Separation with Pui To Road and Tsing Lun Road in Tuen Mun

Job title KCRC Light Rail Transit Alterations EIA
 Contract No. GSA-021

Job number 22862

Document title Final EIA Report [Appendices]
 LRT Extension in Tin Shui Wat Reserve Zone and Grade Separation with Pui To Road
 and Tsing Lun Road in Tuen Mun

Document reference GSA021/REP/C/000064/00

Prepared by Various

Signed _____
 Date 15 September, 1999

Checked by Franki Chiu

Signed *Franki Chiu*
 Date 15 September, 1999

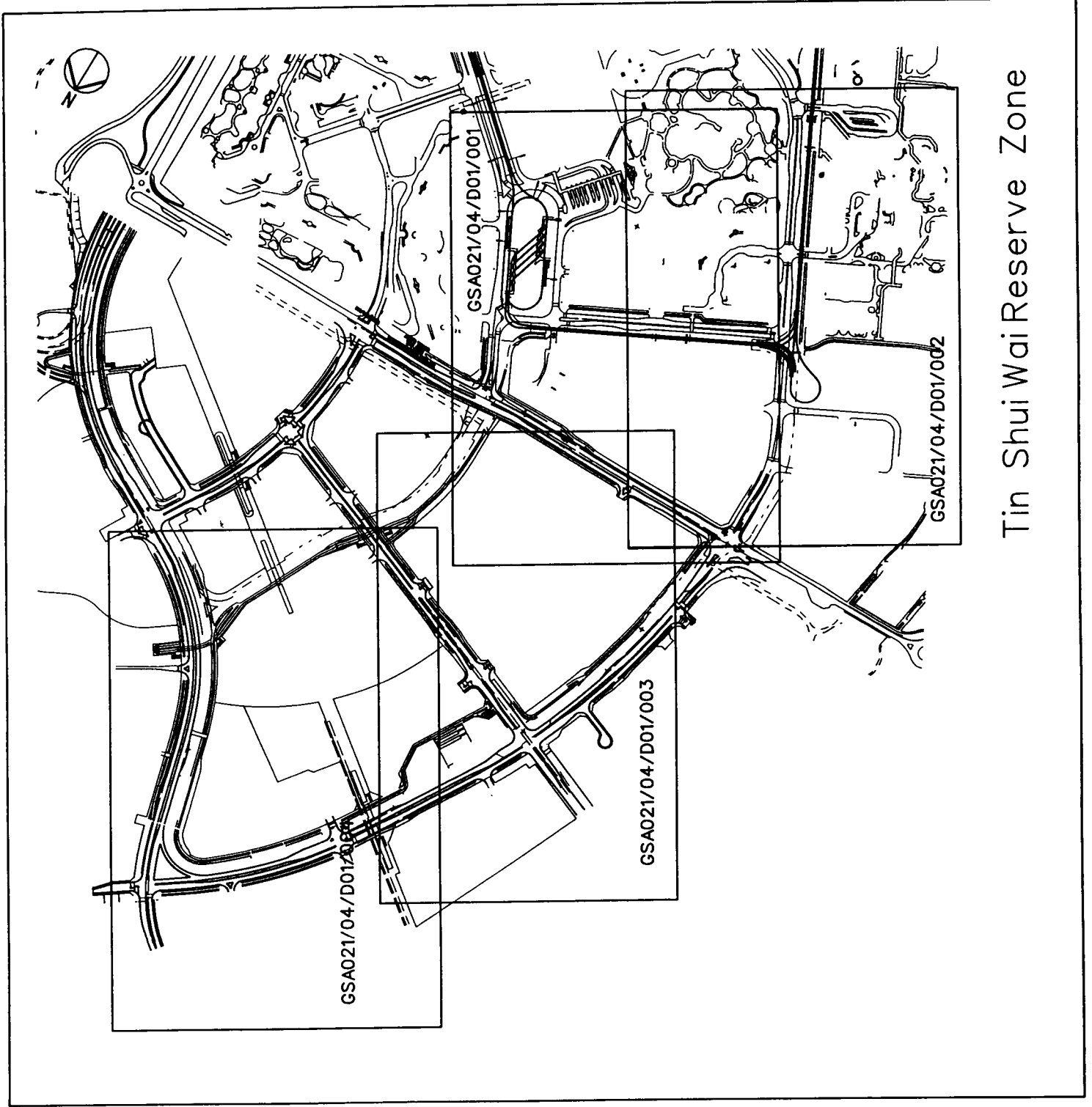
Approved by Sam Tsui

Signed *Sam Tsui*
 Date 15 September, 1999

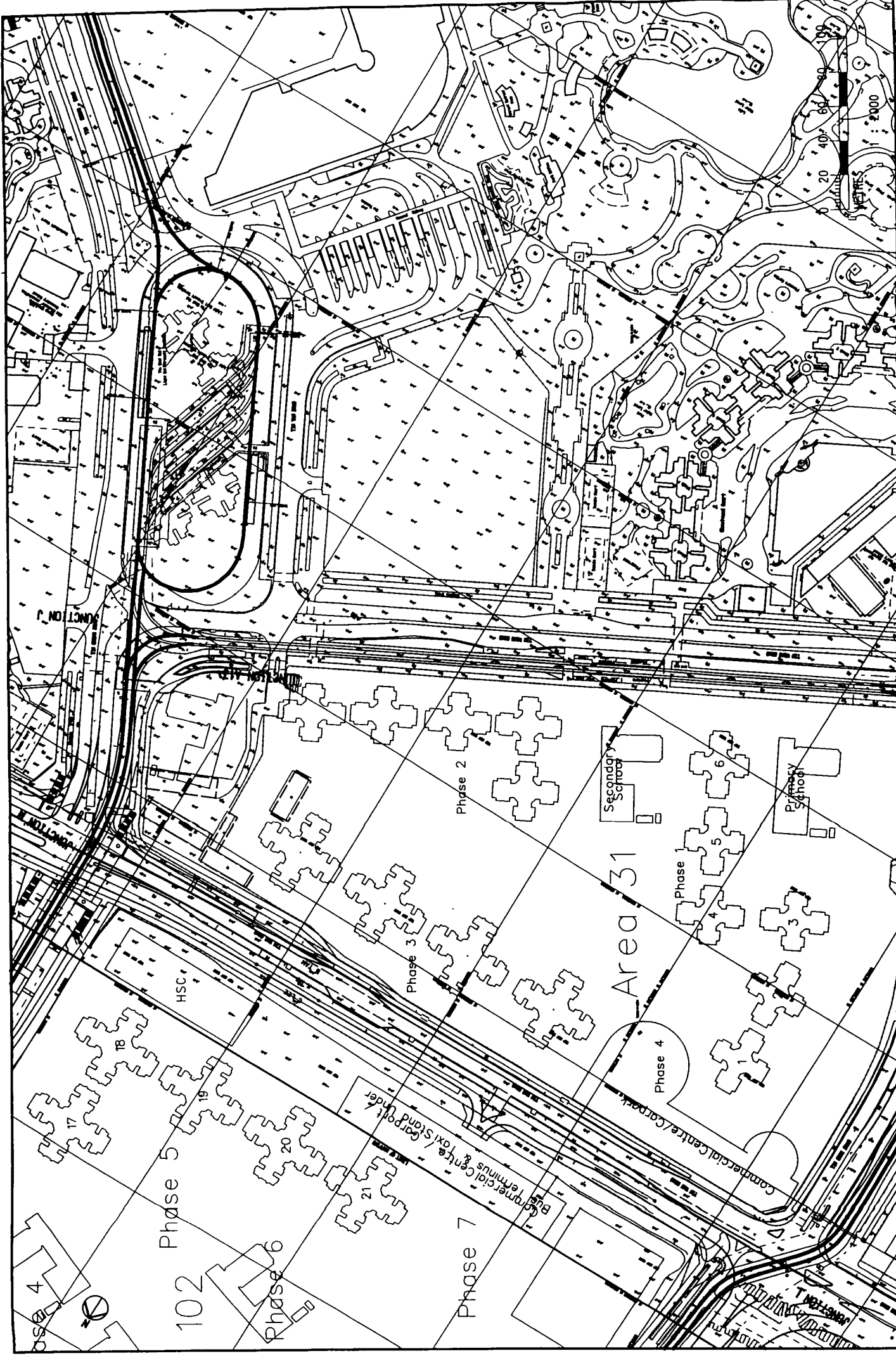
Revision record

Revision	Date	Description / Filename	Prepared	Checked	Approved
I	10.11.99	Comments incorporated	TC	Sam	Sam

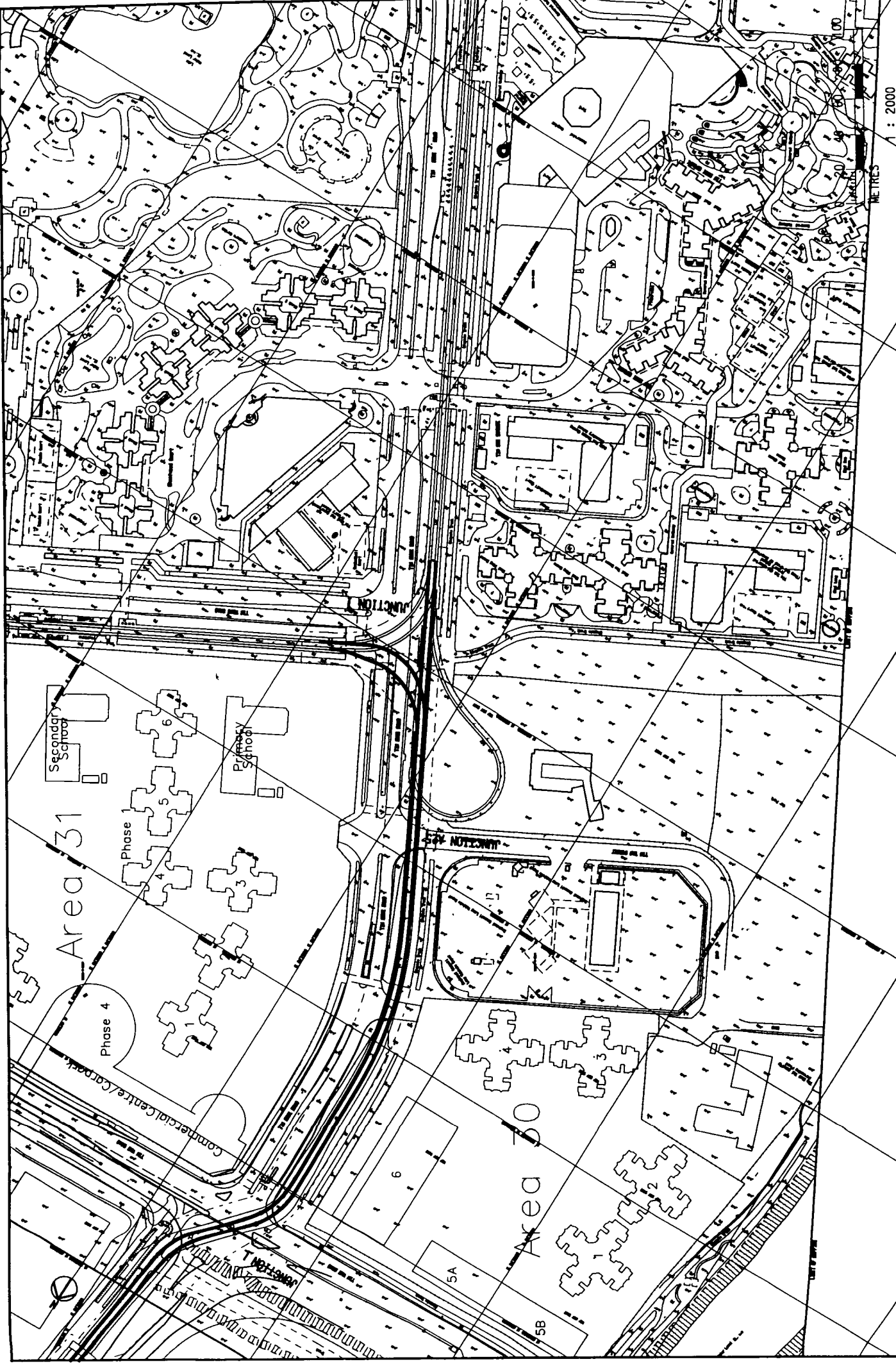
APPENDIX 1 – Layout of Proposed LRT Works



Tin Shui Wai Reserve Zone



<p>PROJECT NO: GSA021/04/001/001</p> <p>DATE: 4 Nov 99</p> <p>SCALE: 1:2000</p>																									
<p>GSA-021 LRT ALTERATION EIA</p> <p>General Layout</p> <p>(Tin Shui Wai Reserve Zone)</p>																									
<p>KCR 九鐵</p> <p>West Rail</p> <p>Over Aid & Partner Hong Kong Limited</p> <p>Prepared by: ARUP</p>																									
<p>DESIGNED BY: SW</p> <p>DRAWN BY: SW</p> <p>CHECKED BY: FC</p> <p>IN CHARGE: ST</p> <p>DATE: 4 Nov 99</p>	<table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REVISION</th> </tr> <tr> <td>1</td> <td>10 Nov 99</td> <td>SW</td> <td>Issue for Working Paper (Revision 1)</td> </tr> <tr> <td>2</td> <td>10 Nov 99</td> <td>SW</td> <td>Issue for Working Paper (Revision 1)</td> </tr> <tr> <td>3</td> <td>10 Nov 99</td> <td>SW</td> <td>Issue for Working Paper (Revision 1)</td> </tr> <tr> <td>4</td> <td>10 Nov 99</td> <td>SW</td> <td>Issue for Final EIA Report (Revised)</td> </tr> <tr> <td>5</td> <td>10 Nov 99</td> <td>SW</td> <td>Issue for Final EIA Report (Revised)</td> </tr> </table>	NO.	DATE	BY	REVISION	1	10 Nov 99	SW	Issue for Working Paper (Revision 1)	2	10 Nov 99	SW	Issue for Working Paper (Revision 1)	3	10 Nov 99	SW	Issue for Working Paper (Revision 1)	4	10 Nov 99	SW	Issue for Final EIA Report (Revised)	5	10 Nov 99	SW	Issue for Final EIA Report (Revised)
NO.	DATE	BY	REVISION																						
1	10 Nov 99	SW	Issue for Working Paper (Revision 1)																						
2	10 Nov 99	SW	Issue for Working Paper (Revision 1)																						
3	10 Nov 99	SW	Issue for Working Paper (Revision 1)																						
4	10 Nov 99	SW	Issue for Final EIA Report (Revised)																						
5	10 Nov 99	SW	Issue for Final EIA Report (Revised)																						



DATE FILED	4 Nov 99
DATE OF PLAN	4 Nov 99
SCALE	1:2000
PROJECT NO.	GSA021/04/001/002
DATE	2 OF 4
PAGE NO.	P 3

REVISION	DATE	BY	REASON
1	11 Nov 99	SW	Issued for Final EIA Report (Revised)
2	11 Nov 99	FC	Issued for Final EIA Report
3	11 Nov 99	FC	Issued for working paper (revision 1)
4	11 Nov 99	FC	Issued for working paper
5	11 Nov 99	FC	Issued for working paper
6	11 Nov 99	FC	Issued for working paper
7	11 Nov 99	FC	Issued for working paper
8	11 Nov 99	FC	Issued for working paper
9	11 Nov 99	FC	Issued for working paper
10	11 Nov 99	FC	Issued for working paper
11	11 Nov 99	FC	Issued for working paper
12	11 Nov 99	FC	Issued for working paper
13	11 Nov 99	FC	Issued for working paper
14	11 Nov 99	FC	Issued for working paper
15	11 Nov 99	FC	Issued for working paper
16	11 Nov 99	FC	Issued for working paper
17	11 Nov 99	FC	Issued for working paper
18	11 Nov 99	FC	Issued for working paper
19	11 Nov 99	FC	Issued for working paper
20	11 Nov 99	FC	Issued for working paper
21	11 Nov 99	FC	Issued for working paper
22	11 Nov 99	FC	Issued for working paper
23	11 Nov 99	FC	Issued for working paper
24	11 Nov 99	FC	Issued for working paper
25	11 Nov 99	FC	Issued for working paper
26	11 Nov 99	FC	Issued for working paper
27	11 Nov 99	FC	Issued for working paper
28	11 Nov 99	FC	Issued for working paper
29	11 Nov 99	FC	Issued for working paper
30	11 Nov 99	FC	Issued for working paper
31	11 Nov 99	FC	Issued for working paper
32	11 Nov 99	FC	Issued for working paper
33	11 Nov 99	FC	Issued for working paper
34	11 Nov 99	FC	Issued for working paper
35	11 Nov 99	FC	Issued for working paper
36	11 Nov 99	FC	Issued for working paper
37	11 Nov 99	FC	Issued for working paper
38	11 Nov 99	FC	Issued for working paper
39	11 Nov 99	FC	Issued for working paper
40	11 Nov 99	FC	Issued for working paper
41	11 Nov 99	FC	Issued for working paper
42	11 Nov 99	FC	Issued for working paper
43	11 Nov 99	FC	Issued for working paper
44	11 Nov 99	FC	Issued for working paper
45	11 Nov 99	FC	Issued for working paper
46	11 Nov 99	FC	Issued for working paper
47	11 Nov 99	FC	Issued for working paper
48	11 Nov 99	FC	Issued for working paper
49	11 Nov 99	FC	Issued for working paper
50	11 Nov 99	FC	Issued for working paper
51	11 Nov 99	FC	Issued for working paper
52	11 Nov 99	FC	Issued for working paper
53	11 Nov 99	FC	Issued for working paper
54	11 Nov 99	FC	Issued for working paper
55	11 Nov 99	FC	Issued for working paper
56	11 Nov 99	FC	Issued for working paper
57	11 Nov 99	FC	Issued for working paper
58	11 Nov 99	FC	Issued for working paper
59	11 Nov 99	FC	Issued for working paper
60	11 Nov 99	FC	Issued for working paper
61	11 Nov 99	FC	Issued for working paper
62	11 Nov 99	FC	Issued for working paper
63	11 Nov 99	FC	Issued for working paper
64	11 Nov 99	FC	Issued for working paper
65	11 Nov 99	FC	Issued for working paper
66	11 Nov 99	FC	Issued for working paper
67	11 Nov 99	FC	Issued for working paper
68	11 Nov 99	FC	Issued for working paper
69	11 Nov 99	FC	Issued for working paper
70	11 Nov 99	FC	Issued for working paper
71	11 Nov 99	FC	Issued for working paper
72	11 Nov 99	FC	Issued for working paper
73	11 Nov 99	FC	Issued for working paper
74	11 Nov 99	FC	Issued for working paper
75	11 Nov 99	FC	Issued for working paper
76	11 Nov 99	FC	Issued for working paper
77	11 Nov 99	FC	Issued for working paper
78	11 Nov 99	FC	Issued for working paper
79	11 Nov 99	FC	Issued for working paper
80	11 Nov 99	FC	Issued for working paper
81	11 Nov 99	FC	Issued for working paper
82	11 Nov 99	FC	Issued for working paper
83	11 Nov 99	FC	Issued for working paper
84	11 Nov 99	FC	Issued for working paper
85	11 Nov 99	FC	Issued for working paper
86	11 Nov 99	FC	Issued for working paper
87	11 Nov 99	FC	Issued for working paper
88	11 Nov 99	FC	Issued for working paper
89	11 Nov 99	FC	Issued for working paper
90	11 Nov 99	FC	Issued for working paper
91	11 Nov 99	FC	Issued for working paper
92	11 Nov 99	FC	Issued for working paper
93	11 Nov 99	FC	Issued for working paper
94	11 Nov 99	FC	Issued for working paper
95	11 Nov 99	FC	Issued for working paper
96	11 Nov 99	FC	Issued for working paper
97	11 Nov 99	FC	Issued for working paper
98	11 Nov 99	FC	Issued for working paper
99	11 Nov 99	FC	Issued for working paper
100	11 Nov 99	FC	Issued for working paper

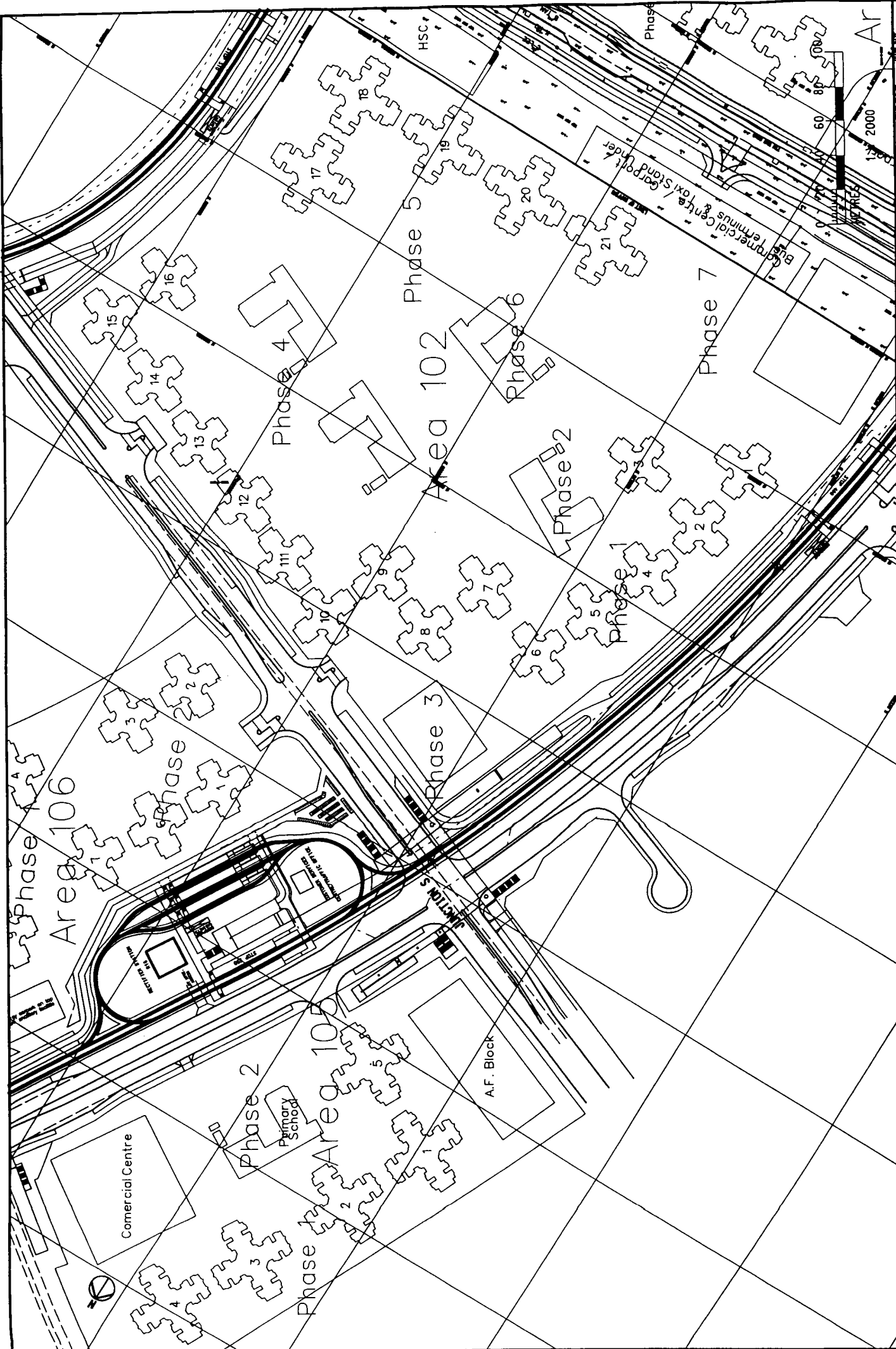
APPROVED BY	DATE
SW	4 Nov 99
SW	
FC	
ST	

PROJECT NO.	GSA021/04/001/002
DATE	2 OF 4
PAGE NO.	P 3

KCR 西鐵 West Rail
 One App & Partners Hong Kong Limited
 Number 02/000001

GSA-021 LRT ALTERATION EIA
 General Layout
 (Tin Shui Wai Reserve Zone)

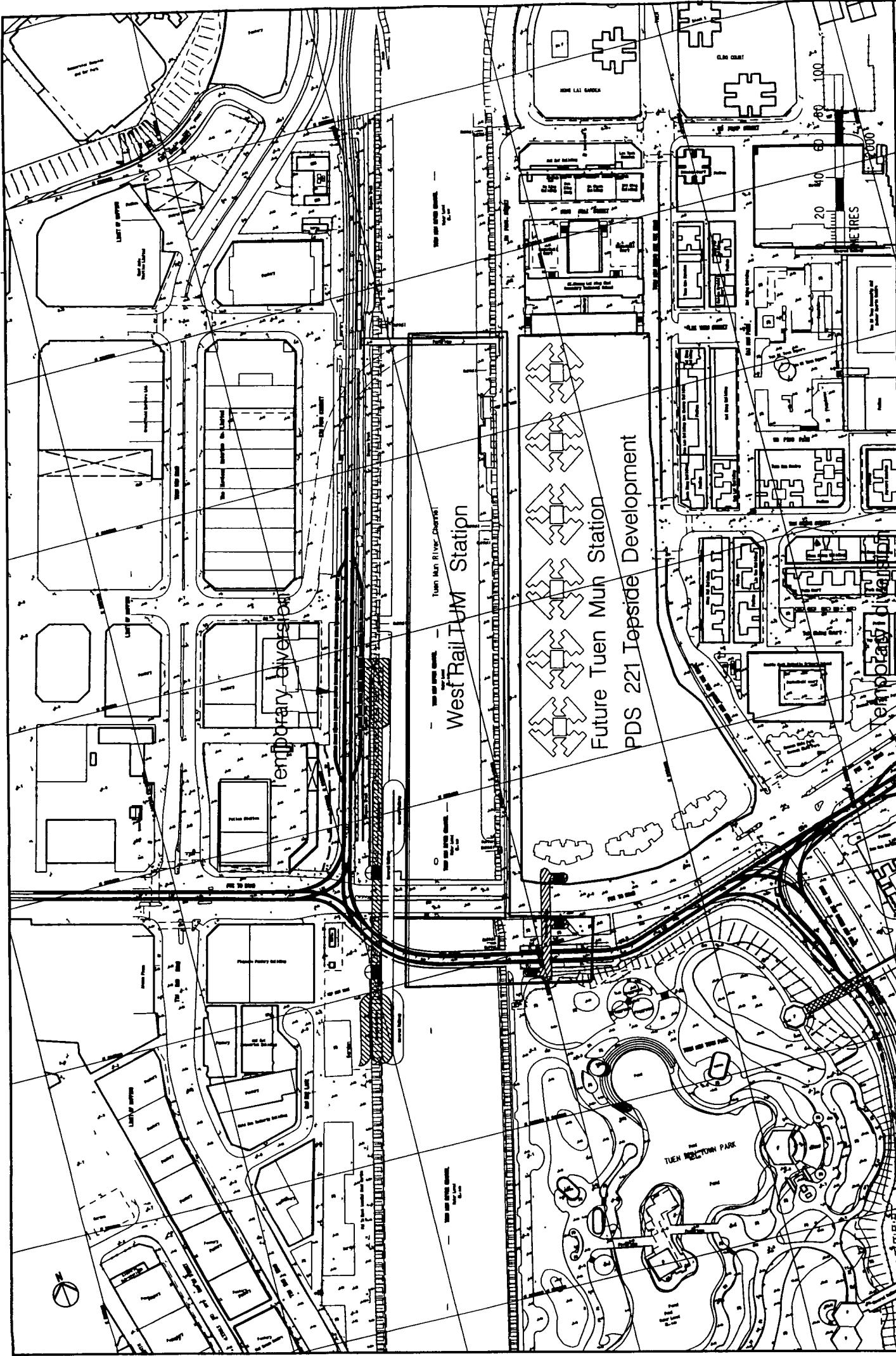
Scale: 1:2000
 METRES



KCR 西鐵 West Rail One Air & Partners Hong Kong Limited ARUP Project Consultants Limited		GSA-021 LRT ALTERATION EIA General Layout (Tin Shui Wai Reserve Zone)	Scale: 1:2000 Date: 4 Nov 19 Drawing No: GSA021/04/001/003 Title: 3 OF 4 P 3
REVISION NO. DATE BY DESCRIPTION	DRAWN BY SW CHECKED BY FC IN CHARGE ST DATE 4 Nov 19	ISSUED FOR FINAL EIA REPORT (REVISED) ISSUED FOR FINAL EIA REPORT ISSUED FOR WORKING PAPER (REVISION 1) ISSUED FOR WORKING PAPER	DATE 4 Nov 19 DATE 16 Nov 19 DATE 16 Nov 19 DATE 16 Nov 19



Pui To Road, Tuen Mun

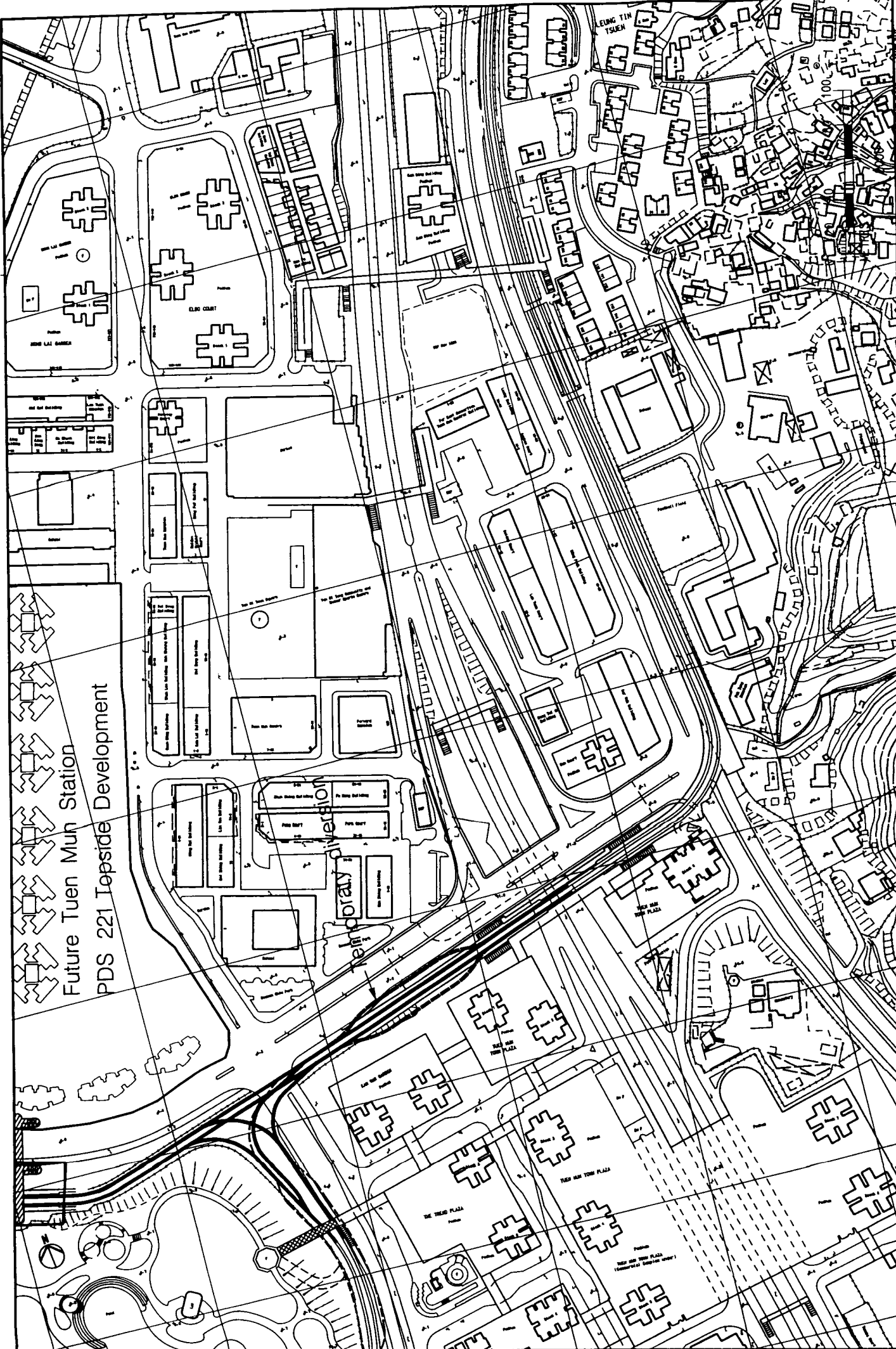


GSA-021 LRT ALTERATION EIA
 General Layout
 (Pui To Road, Tuen Mun)

KCR 九鐵
 Our Aap & Partners Hong Kong Limited
 Prepared by ARUP

DATE 4 Nov 99

REV	DATE	BY	CHKD BY	APPD BY	DESCRIPTION
1	18 Aug 98	SW	FC	ST	Issued for working paper (revision 1)
2	18 Aug 98	SW	FC	ST	Issued for working paper (revision 2)
3	18 Aug 98	SW	FC	ST	Issued for working paper (revision 3)
4	18 Aug 98	SW	FC	ST	Issued for Final EIA Report (Revision 1)
5	4 Nov 99	SW	FC	ST	Issued for Final EIA Report (Revised)



GSA-021 LRT ALTERATION EIA
 General Layout
 (Pui To Road, Tuen Mun)
 Scale: 1:2000
 Date: 4 Nov 99
 Project No: GSA021/01/001/002
 Sheet: 2 OF 2 P 3

	DRAWN BY SW	CHECKED BY FC	DATE: 4 Nov 99
	REVISION BY SW	BY SUKHEE ST	

KCR
Kowloon-Canton Railway Corporation

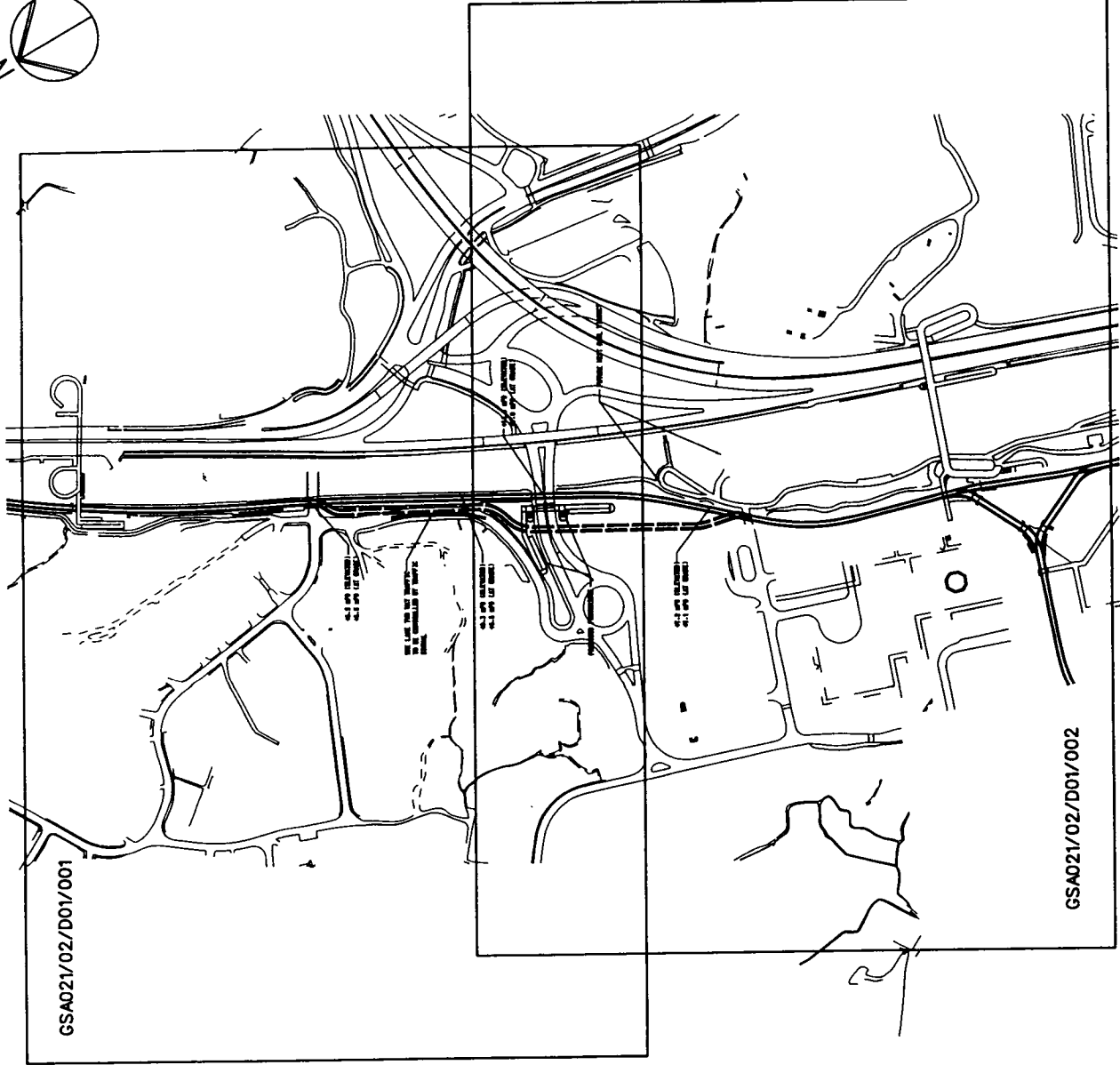
西鐵 West Rail

One-Stop Planning & Construction Services
 One-Stop Planning & Construction Services
 One-Stop Planning & Construction Services

ARUP

ARUP CONSULTANTS LIMITED

A	1	14 Nov 99	SW	FC	ST	ST	ST	ST	ST
A	1	14 Nov 99	SW	FC	ST	ST	ST	ST	ST
A	1	14 Nov 99	SW	FC	ST	ST	ST	ST	ST
A	1	14 Nov 99	SW	FC	ST	ST	ST	ST	ST



Lam Tei



DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: 4 Nov 98
 SCALE: 1:2000
 PROJECT NO: GSA021/02/001/001
 SHEET NO: 1 OF 2 P 3

GSA-021 LRT ALTERATION EIA
 General Layout
 (Lam Tei)

KCR 西鐵 West Rail

 One Apur & Partners Hong Kong Limited
 Approved by: [Signature]
 Registered Consultant Limited

NO.	DATE	BY	FOR	REVISION
1		SW	SW	Issued for Final EIA Report (Revised)
2		FC	FC	Issued for Final EIA Report
3		ST	ST	Issued for working paper (revision 1)
4		SW	SW	Issued for working paper
5		FC	FC	Issued for working paper
6		ST	ST	Issued for working paper

APPENDIX 2 – Locations and Description of Neighbouring NSRs

Light Rail Transit Alterations EIA - Representative Sensitive Receivers

Area Area Code ⁽¹⁾	NSR No.	Figure No.	Building Description	Landuse ⁽¹⁾	Area Sensitive Rating ⁽¹⁾	Building Height ⁽¹⁾	Remarks
PTR	N39	GS/A02/101/D02/001	Not used	-	-	-	-
PTR	N40	GS/A02/101/D02/001	Police Station	G	C	M	-
PTR	N41	-	Not used	-	-	-	-
PTR	N42	GS/A02/101/D02/001	Fire Station	G	C	M	-
PTR	N43	GS/A02/101/D02/001	Keon Hing Building	R	B	H	-
PTR	N44	GS/A02/101/D02/001	Ming Wai Building	R	B	H	-
PTR	N45	GS/A02/101/D02/001	Leung Peak Catholic Primary School	E	B	L	Air-conditioning provided
PTR	N46	GS/A02/101/D02/001	Tan Court	R	B	M	-
PTR	N47	GS/A02/101/D02/002	Man Shing Building	R	B	M	-
PTR	N48	GS/A02/101/D02/002	Kam Wah Garden (Western Block)	R	B	H	-
PTR	N49	GS/A02/101/D02/002	Kam Wah Garden (Eastern Block)	R	B	H	-
PTR	N50	GS/A02/101/D02/002	Tuen Mun Town Plaza (Block 1)	R	B	H	-
PTR	N51	GS/A02/101/D02/002	Tuen Mun Town Plaza (Block 2)	R	B	H	-
PTR	N52	GS/A02/101/D02/002	Hing Tai Building	R	B	L	-
PTR	N53	GS/A02/101/D02/002	Sun Court	R	B	M	-
PTR	N54	GS/A02/101/D02/002	Sun Beany Kindergarten (GF of Sun Court)	E	B	-	Air-conditioning provided
PTR	N55	GS/A02/101/D02/002	Ka Wah Building	R	B	M	-
PTR	N56	GS/A02/101/D02/002	Tuen Mun Town Plaza (Block 8)	R	B	H	-
PTR	N57	GS/A02/101/D02/002	Low-rise residential block	R	B	L	-
PTR	N58	GS/A02/101/D02/002	The Trend Plaza Block A	R	B	H	-
-	N59	-	Not used	-	-	-	-
-	N60	-	Not used	-	-	-	-
-	N61	-	Not used	-	-	-	-
-	N62	-	Not used	-	-	-	-
-	N63	-	Not used	-	-	-	-
LT	N64	GS/A02/102/D02/001	2-storeys residential house	R	C	L	-
LT	N65	GS/A02/102/D02/001	1-storey residential house	R	C	L	-
LT	N66	GS/A02/102/D02/001	Care Home for the Elderly	C	C	L	-
LT	N67	GS/A02/102/D02/001	Care Home for the Elderly	C	C	L	-
LT	N68	GS/A02/102/D02/001	2-storeys residential house	R	C	L	-
LT	N69	GS/A02/102/D02/001	2-storeys residential house	R	C	L	-
LT	N70	GS/A02/102/D02/001	2-storeys temporary house	R	C	L	-
LT	N71	GS/A02/102/D02/001	1-storey residential house	R	C	L	-
LT	N72	GS/A02/102/D02/002	2-storey residential house	R	C	L	-
LT	N73	GS/A02/102/D02/002	Yau Tai Tin Memorial College	E	C	L	Air-conditioning provided
LT	N74	GS/A02/102/D02/002	Sun Tai House	R	C	L	-
LT	N75	GS/A02/102/D02/002	Sun Ning House	R	C	H	-
-	N76	-	Not used	-	-	-	-
-	N77	-	Not used	-	-	-	-
PTR	N82	GS/A02/102/D02/001	Tuen Mun Station PDS 221 Topside Development	R	C	H	-
PTR	N83	GS/A02/102/D02/001	Tuen Mun Station PDS 221 Topside Development	R	C	H	-
PTR	N84	GS/A02/102/D02/001	Tuen Mun Station PDS 221 Topside Development	R	C	H	-
PTR	N85	GS/A02/102/D02/001	Tuen Mun Station PDS 221 Topside Development	R	C	H	-
PTR	N86	GS/A02/102/D02/001	Tuen Mun Station PDS 221 Topside Development	R	C	H	-
PTR	N87	GS/A02/102/D02/001	Tuen Mun Station PDS 221 Topside Development	R	C	H	-
-	N88	-	Not used	-	-	-	-
TSWRZ	N89	GS/A02/104/D02/003	TSW Area 105 Block 5	R	B	H	-
TSWRZ	N90	GS/A02/104/D02/003	TSW Area 105 Block 2	R	B	H	-
TSWRZ	N91	GS/A02/104/D02/003	TSW Area 105 Block 3	R	B	H	-
TSWRZ	N92	GS/A02/104/D02/003	TSW Area 105 Block 4	R	B	H	-
-	N93	-	Not used	-	-	-	-
TSWRZ	N94	GS/A02/104/D02/003	TSW Area 105 Primary School (Hall)	E	B	L	-
TSWRZ	N95	GS/A02/104/D02/002	Chestwood Court (Block 6)	R	B	H	-
TSWRZ	N96	GS/A02/104/D02/002	Chestwood Court (Block 5)	R	B	H	-
-	N97	-	Not used	-	-	-	-
TSWRZ	N98	GS/A02/104/D02/002	Tin Shai Estate Shui Shing House	R	B	H	-
TSWRZ	N99	GS/A02/104/D02/002	Tin Shai Wai Government Primary School	E	B	L	-
TSWRZ	N100	GS/A02/104/D02/002	GLHK Fat Tuen Government Secondary School	E	B	L	-
TSWRZ	N101	GS/A02/104/D02/001	TSW Area 31 Phase 3	R	B	H	-
TSWRZ	N102	GS/A02/104/D02/001	TSW Area 31 Phase 3	R	B	H	-
TSWRZ	N103	GS/A02/104/D02/001	TSW Area 31 Phase 3	R	B	H	-
TSWRZ	N104	GS/A02/104/D02/001	TSW Area 31 Phase 3	R	B	H	-
TSWRZ	N105	GS/A02/104/D02/001	TSW Area 31 Phase 1 Block 1	R	B	H	-
TSWRZ	N106	GS/A02/104/D02/001	TSW Area 31 Phase 1 Block 2	R	B	H	-
TSWRZ	N107	GS/A02/104/D02/001	TSW Area 31 Phase 1 Block 3	R	B	H	-
TSWRZ	N108	GS/A02/104/D02/001	TSW Area 31 Phase 1 Block 5	R	B	H	-
TSWRZ	N109	GS/A02/104/D02/001	TSW Area 31 Phase 1 Block 6	R	B	H	-
TSWRZ	N110	GS/A02/104/D02/001	TSW Area 31 Phase 2	R	B	H	-
TSWRZ	N111	GS/A02/104/D02/001	TSW Area 31 Phase 2	R	B	H	-
TSWRZ	N112	GS/A02/104/D02/001	TSW Area 31 Phase 2	R	B	H	-
TSWRZ	N113	GS/A02/104/D02/001	TSW Area 31 Phase 2	R	B	H	-
TSWRZ	N114	GS/A02/104/D02/002	TSW Area 30 Block 1	R	B	H	-
TSWRZ	N115	GS/A02/104/D02/002	TSW Area 30 Block 4	R	B	H	-

Light Rail Transit Alterations EIA - Representative Sensitive Receivers

Area (Area Code) ⁽¹⁾	NSR No.	Figure No.	Building Description	Landuses ⁽²⁾	Area Sensitive Rating ⁽³⁾	Building Height ⁽⁴⁾	Remarks
TSWRZ	N116	GSA02104/D02/002	TSW Area 30 Primary School	E	B	L	
TSWRZ	N117	-	Not used	-	-	-	
TSWRZ	N118	GSA02104/D02/001	TSW Area 31 Phase 1 Primary School	E	B	L	
TSWRZ	N119	GSA02104/D02/001	TSW Area 31 Phase 1 Secondary School	E	B	L	
TSWRZ	N120	GSA02104/D02/001	TSW Area 31 Phase 2 Primary School (Hall)	E	B	L	
TSWRZ	N121	GSA02104/D02/003	TSW Area 102 Block 1	R	B	H	
TSWRZ	N122	GSA02104/D02/003	TSW Area 102 Block 2	R	B	H	
TSWRZ	N123	GSA02104/D02/003	TSW Area 102 Block 4	R	B	H	
TSWRZ	N124	GSA02104/D02/003	TSW Area 102 Block 6	R	B	H	
TSWRZ	N125	GSA02104/D02/003	TSW Area 102 Block 10	R	B	H	
TSWRZ	N126	GSA02104/D02/003	TSW Area 102 Block 14	R	B	H	
TSWRZ	N127	GSA02104/D02/003	TSW Area 102 Block 15	R	B	H	
TSWRZ	N128	GSA02104/D02/003	TSW Area 102 Block 16	R	B	H	
TSWRZ	N129	GSA02104/D02/003	TSW Area 102 Block 17	R	B	H	
TSWRZ	N130	GSA02104/D02/003	TSW Area 102 Block 18	R	B	H	
TSWRZ	N131	GSA02104/D02/003	TSW Area 102 Block 19	R	B	H	
TSWRZ	N132	GSA02104/D02/003	TSW Area 102 Block 20	R	B	H	
TSWRZ	N133	GSA02104/D02/003	TSW Area 102 Block 21	R	B	H	
TSWRZ	N134	-	Not used	-	-	-	
TSWRZ	N135	GSA02104/D02/003	TSW Area 102 Phase 2 Primary School	E	B	L	
TSWRZ	N136	GSA02104/D02/003	TSW Area 102 Phase 4 Primary School	E	B	L	
TSWRZ	N137	GSA02104/D02/004	TSW Area 110 Phase 2	R	B	H	
TSWRZ	N138	GSA02104/D02/004	TSW Area 110 Phase 2	R	B	H	
TSWRZ	N139	GSA02104/D02/003	TSW Area 106 Phase 2 Block 1	R	B	H	
TSWRZ	N140	GSA02104/D02/003	TSW Area 106 Phase 2 Block 6	R	B	H	
TSWRZ	N141	GSA02104/D02/004	TSW Area 106 Phase 1 Block 9	R	B	H	
TSWRZ	N142	GSA02104/D02/004	TSW Area 106 Phase 1 Block 8	R	B	H	
TSWRZ	N143	GSA02104/D02/003	TSW Area 106 Phase 2 Block 2	R	B	H	
TSWRZ	N144	GSA02104/D02/004	TSW Area 106 Phase 1 Kindergarten at G/F of Ancillary Facilities	E	B	L	
TSWRZ	N145	GSA02104/D02/004	TSW Area 110 Phase 1	R	B	H	
TSWRZ	N146	GSA02104/D02/004	TSW Area 110 Phase 1	R	B	H	
TSWRZ	N147	GSA02104/D02/004	TSW Area 110 Phase 1	R	B	H	
TSWRZ	N148	GSA02104/D02/004	TSW Area 110 Phase 4 Primary School	E	B	L	
TSWRZ	N149	GSA02104/D02/004	TSW Area 111 Block 1	R	B	H	
TSWRZ	N150	GSA02104/D02/004	TSW Area 111 Block 4	R	B	H	
TSWRZ	N151	GSA02104/D02/004	TSW Area 111 Block 5	R	B	H	
TSWRZ	N152	GSA02104/D02/004	TSW Area 111 Block 6	R	B	H	
TSWRZ	N153	GSA02104/D02/004	TSW Area 111 Block 9	R	B	H	
TSWRZ	N154	GSA02104/D02/004	TSW Area 111 Primary School	E	B	L	
TSWRZ	N155	GSA02104/D02/002	TSW Area 30 Kindergarten on 3/F	E	B	L	
TSWRZ	N156	GSA02104/D02/003	TSW Area 103 Setback 15m from site boundary	R	B	H	
TSWRZ	N157	GSA02104/D02/003	TSW Area 101 Setback 15m from site boundary	R	B	H	
TSWRZ	N158	GSA02104/D02/003	TSW Area 101 Setback 15m from site boundary	R	B	H	
TSWRZ	N159	GSA02104/D02/003	TSW Area 104 Setback 15m from site boundary	R	B	H	
TSWRZ	N160	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N161	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N162	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N163	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N164	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N165	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N166	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N167	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N168	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N169	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N170	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N171	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N172	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N173	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N174	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N175	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N176	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N177	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N178	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N179	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N180	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N181	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N182	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N183	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N184	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N185	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N186	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N187	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N188	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N189	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N190	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N191	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N192	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N193	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N194	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N195	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N196	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N197	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N198	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N199	GSA02104/D02/004	TSW Area 112 Setback 15m from site boundary	R	B	H	
TSWRZ	N200 ⁽⁵⁾	-	San Fat Estate	R	C	M	

Remarks

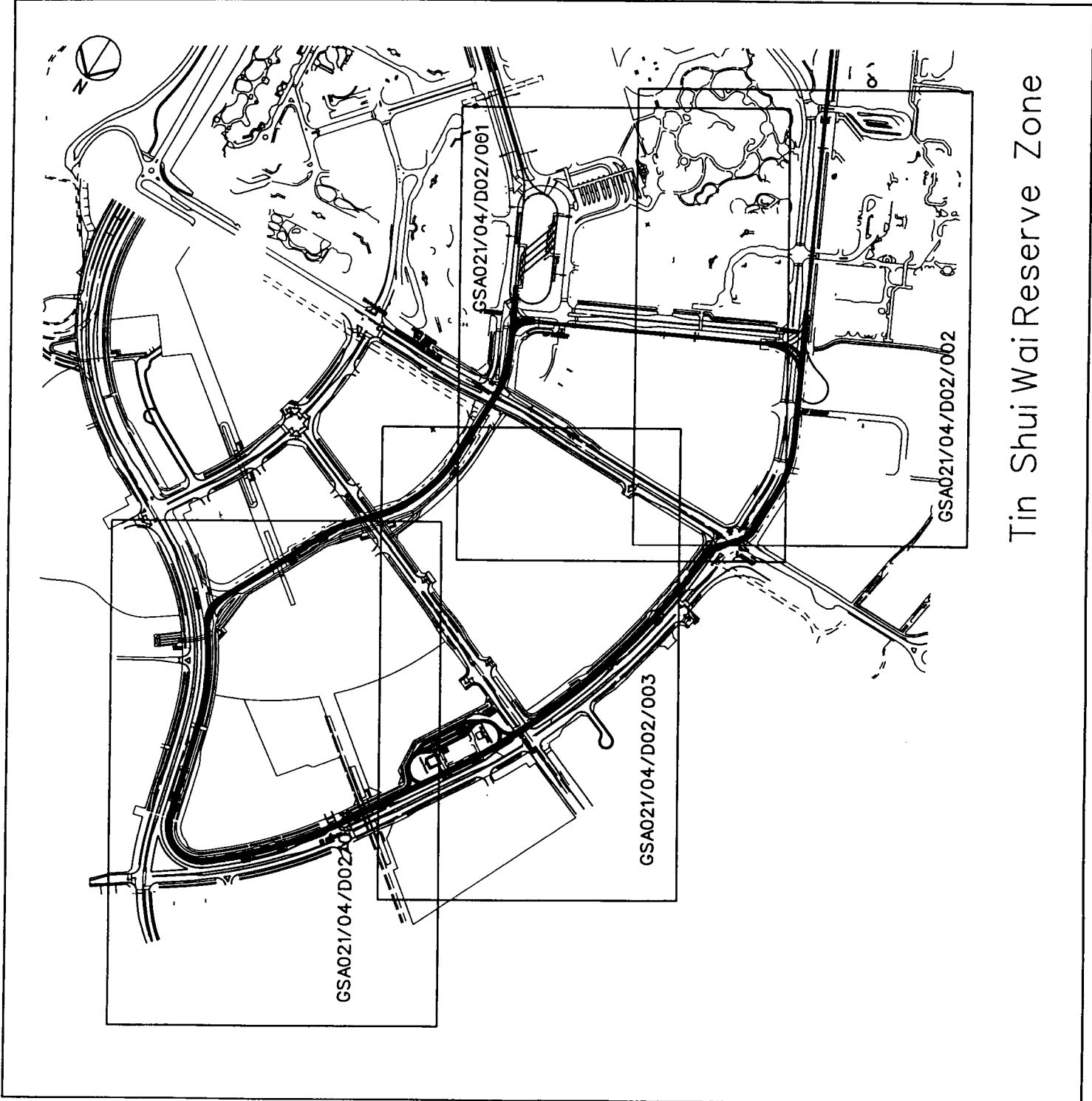
(1) TSWPH: Tin Shui Wai Phase 4
 PTR: Pui To Road, Tsun Wan
 LT: Lam Tin
 TSWRZ: Tin Shui Wai Reserve Zone

(2) R: Residential uses
 E: Educational uses
 Com: Commercial uses
 C: Clinic/Hospital/Care Home for the Elderly
 I: Industrial uses
 G: Government

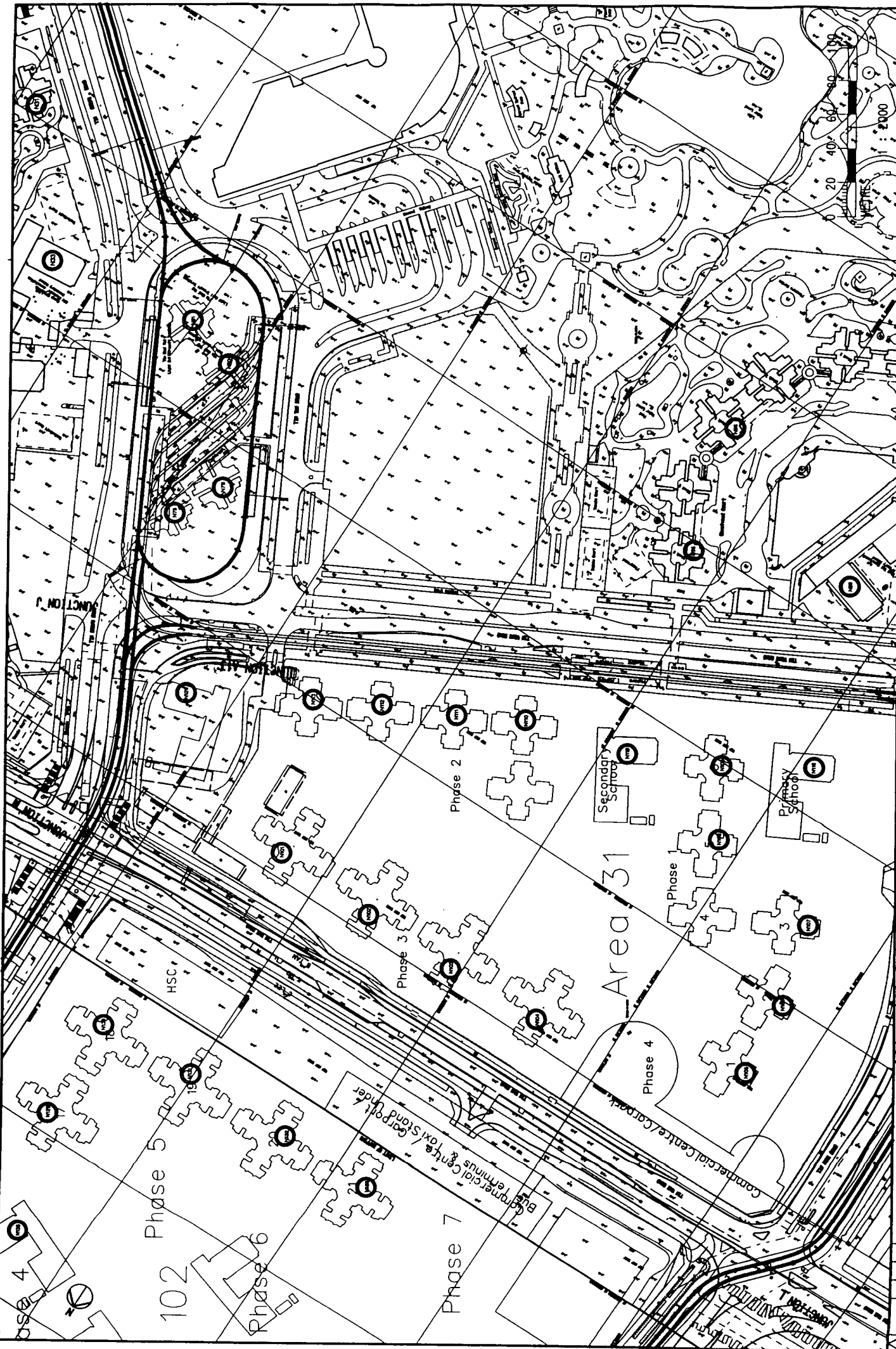
(3) Acceptable Noise Levels (ANL) for an ASR of B are 65dB(A) during day time (0700 to 2300 hours) and 55dB(A) during nighttime (2300 to 0700 hours)
 Acceptable Noise Levels (ANL) for an ASR of C are 70dB(A) during day time (0700 to 2300 hours) and 60dB(A) during nighttime (2300 to 0700 hours)
 The ASRs are applied for operational noise assessment only.

(4) L: No. of floors is less than 10
 M: No. of floors is between 10 and 20
 H: No. of floors is greater than 20

(5) N200 is applied for construction noise assessment only. It will be demolished by year 2061.



Tin Shui Wai Reserve Zone



DESIGNED BY	SW	DATE	4 Nov 99
DRAWN BY	SW		
CHECKED BY	FC		
IN CHARGE	ST		
DATE	4 Nov 99		

NO.	DATE	BY	FOR	REVISION
1	4 Nov 99	SW	FC	ST
2	18 Aug 99	SW	FC	ST
3	18 Aug 99	SW	FC	ST
4	18 Aug 99	SW	FC	ST

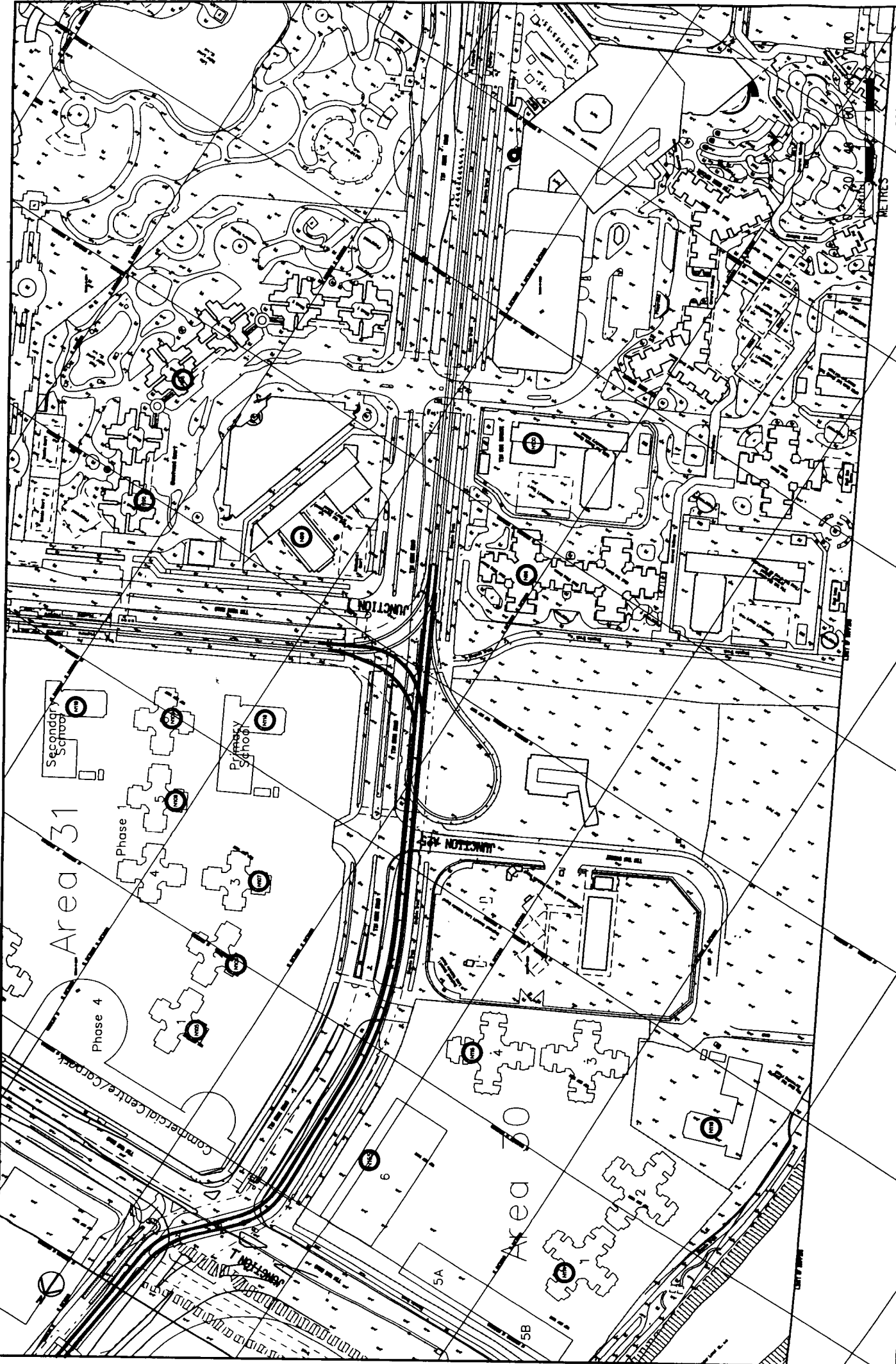
Approved for Final EIA Report (New Load)
 Approved for Final EIA Report
 Approved for working paper (New/Rev. 1)
 Approved for working paper

KCR 西鐵 West Rail
 MTR Corporation Limited
 One Airport & Parkway, Hong Kong Limited
 Approved by
 Transport Commission

ARUP
 1 OF 4 P 3

GSA-021 LRT ALTERATION EIA
 Sensitive Receiver Locations
 (Tin Shui Wai Reserve Zone)

SCALE: 1:2000
 DATE: 4 Nov 99



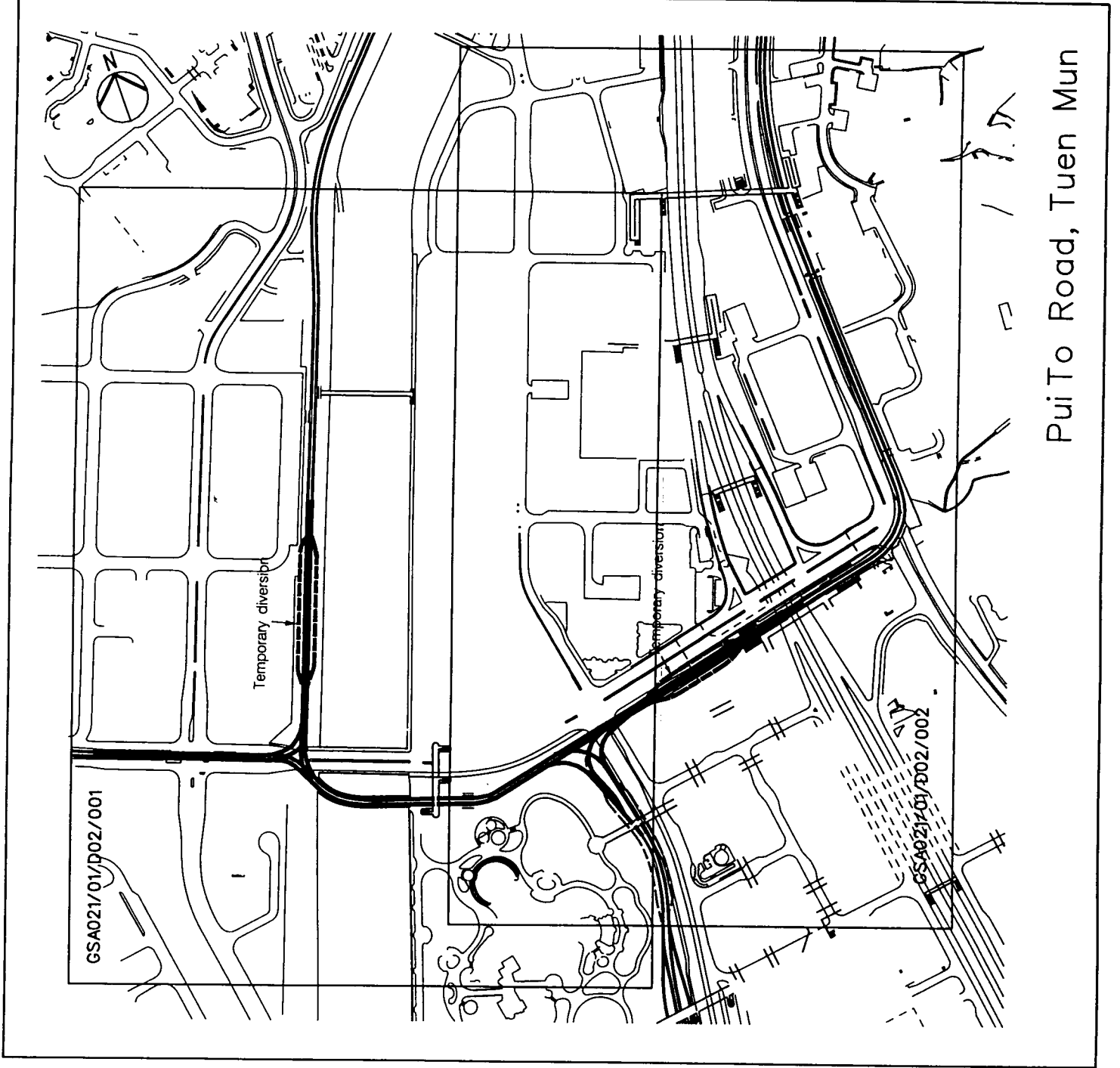
NO.	DATE	BY	DESCRIPTION
1	18 Nov 99	SW	Issued for Final EIA Report (Revised)
2	18 Nov 99	SW	Issued for Final EIA Report
3	18 Nov 99	FC	Issued for working paper (Revision 1)
4	18 Nov 99	FC	Issued for working paper
5	18 Nov 99	ST	Issued for working paper
6	18 Nov 99	ST	Issued for working paper
7	18 Nov 99	ST	Issued for working paper
8	18 Nov 99	ST	Issued for working paper
9	18 Nov 99	ST	Issued for working paper
10	18 Nov 99	ST	Issued for working paper
11	18 Nov 99	ST	Issued for working paper
12	18 Nov 99	ST	Issued for working paper
13	18 Nov 99	ST	Issued for working paper
14	18 Nov 99	ST	Issued for working paper
15	18 Nov 99	ST	Issued for working paper
16	18 Nov 99	ST	Issued for working paper
17	18 Nov 99	ST	Issued for working paper
18	18 Nov 99	ST	Issued for working paper
19	18 Nov 99	ST	Issued for working paper
20	18 Nov 99	ST	Issued for working paper
21	18 Nov 99	ST	Issued for working paper
22	18 Nov 99	ST	Issued for working paper
23	18 Nov 99	ST	Issued for working paper
24	18 Nov 99	ST	Issued for working paper
25	18 Nov 99	ST	Issued for working paper
26	18 Nov 99	ST	Issued for working paper
27	18 Nov 99	ST	Issued for working paper
28	18 Nov 99	ST	Issued for working paper
29	18 Nov 99	ST	Issued for working paper
30	18 Nov 99	ST	Issued for working paper
31	18 Nov 99	ST	Issued for working paper
32	18 Nov 99	ST	Issued for working paper
33	18 Nov 99	ST	Issued for working paper
34	18 Nov 99	ST	Issued for working paper
35	18 Nov 99	ST	Issued for working paper
36	18 Nov 99	ST	Issued for working paper
37	18 Nov 99	ST	Issued for working paper
38	18 Nov 99	ST	Issued for working paper
39	18 Nov 99	ST	Issued for working paper
40	18 Nov 99	ST	Issued for working paper
41	18 Nov 99	ST	Issued for working paper
42	18 Nov 99	ST	Issued for working paper
43	18 Nov 99	ST	Issued for working paper
44	18 Nov 99	ST	Issued for working paper
45	18 Nov 99	ST	Issued for working paper
46	18 Nov 99	ST	Issued for working paper
47	18 Nov 99	ST	Issued for working paper
48	18 Nov 99	ST	Issued for working paper
49	18 Nov 99	ST	Issued for working paper
50	18 Nov 99	ST	Issued for working paper
51	18 Nov 99	ST	Issued for working paper
52	18 Nov 99	ST	Issued for working paper
53	18 Nov 99	ST	Issued for working paper
54	18 Nov 99	ST	Issued for working paper
55	18 Nov 99	ST	Issued for working paper
56	18 Nov 99	ST	Issued for working paper
57	18 Nov 99	ST	Issued for working paper
58	18 Nov 99	ST	Issued for working paper
59	18 Nov 99	ST	Issued for working paper
60	18 Nov 99	ST	Issued for working paper
61	18 Nov 99	ST	Issued for working paper
62	18 Nov 99	ST	Issued for working paper
63	18 Nov 99	ST	Issued for working paper
64	18 Nov 99	ST	Issued for working paper
65	18 Nov 99	ST	Issued for working paper
66	18 Nov 99	ST	Issued for working paper
67	18 Nov 99	ST	Issued for working paper
68	18 Nov 99	ST	Issued for working paper
69	18 Nov 99	ST	Issued for working paper
70	18 Nov 99	ST	Issued for working paper
71	18 Nov 99	ST	Issued for working paper
72	18 Nov 99	ST	Issued for working paper
73	18 Nov 99	ST	Issued for working paper
74	18 Nov 99	ST	Issued for working paper
75	18 Nov 99	ST	Issued for working paper
76	18 Nov 99	ST	Issued for working paper
77	18 Nov 99	ST	Issued for working paper
78	18 Nov 99	ST	Issued for working paper
79	18 Nov 99	ST	Issued for working paper
80	18 Nov 99	ST	Issued for working paper
81	18 Nov 99	ST	Issued for working paper
82	18 Nov 99	ST	Issued for working paper
83	18 Nov 99	ST	Issued for working paper
84	18 Nov 99	ST	Issued for working paper
85	18 Nov 99	ST	Issued for working paper
86	18 Nov 99	ST	Issued for working paper
87	18 Nov 99	ST	Issued for working paper
88	18 Nov 99	ST	Issued for working paper
89	18 Nov 99	ST	Issued for working paper
90	18 Nov 99	ST	Issued for working paper
91	18 Nov 99	ST	Issued for working paper
92	18 Nov 99	ST	Issued for working paper
93	18 Nov 99	ST	Issued for working paper
94	18 Nov 99	ST	Issued for working paper
95	18 Nov 99	ST	Issued for working paper
96	18 Nov 99	ST	Issued for working paper
97	18 Nov 99	ST	Issued for working paper
98	18 Nov 99	ST	Issued for working paper
99	18 Nov 99	ST	Issued for working paper
100	18 Nov 99	ST	Issued for working paper

DESIGNED BY SW
 DRAWN BY SW
 CHECKED BY FC
 IN CHARGE ST
 DATE 4 Nov 99

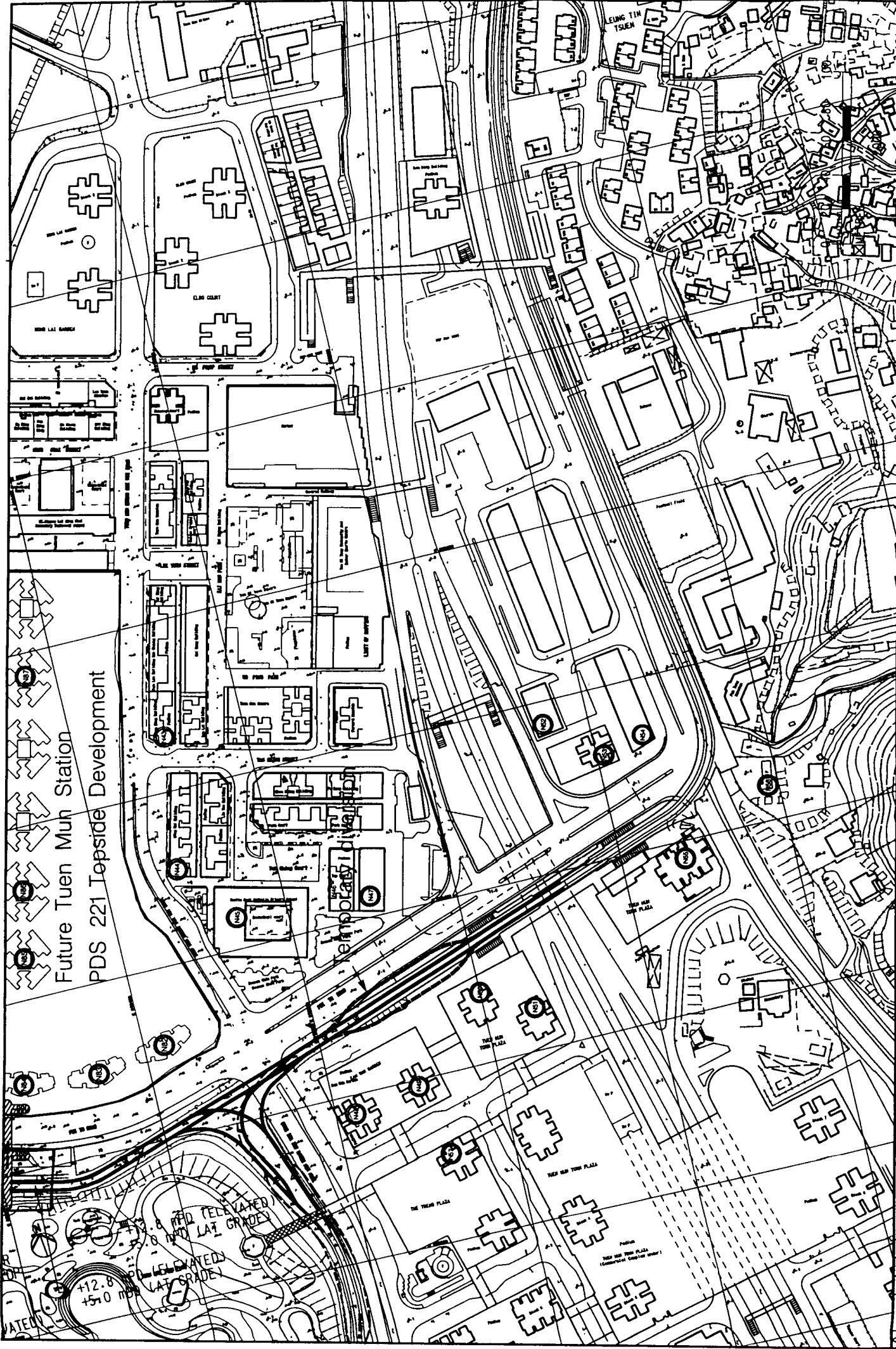
KCR 西鐵 West Rail

 One App & Partners Hong Kong Limited
 Incorporated in Hong Kong
 2 OF 4 P 3

GSA-021 LRT ALTERATION EIA
 Sensitive Receiver Locations
 (Tin Shui Wai Reserve Zone)
 SCALE 1:2000
 DATE 1:2000
 PROJECT NO. GSA021/04/002/002
 SHEET NO. 2 OF 4

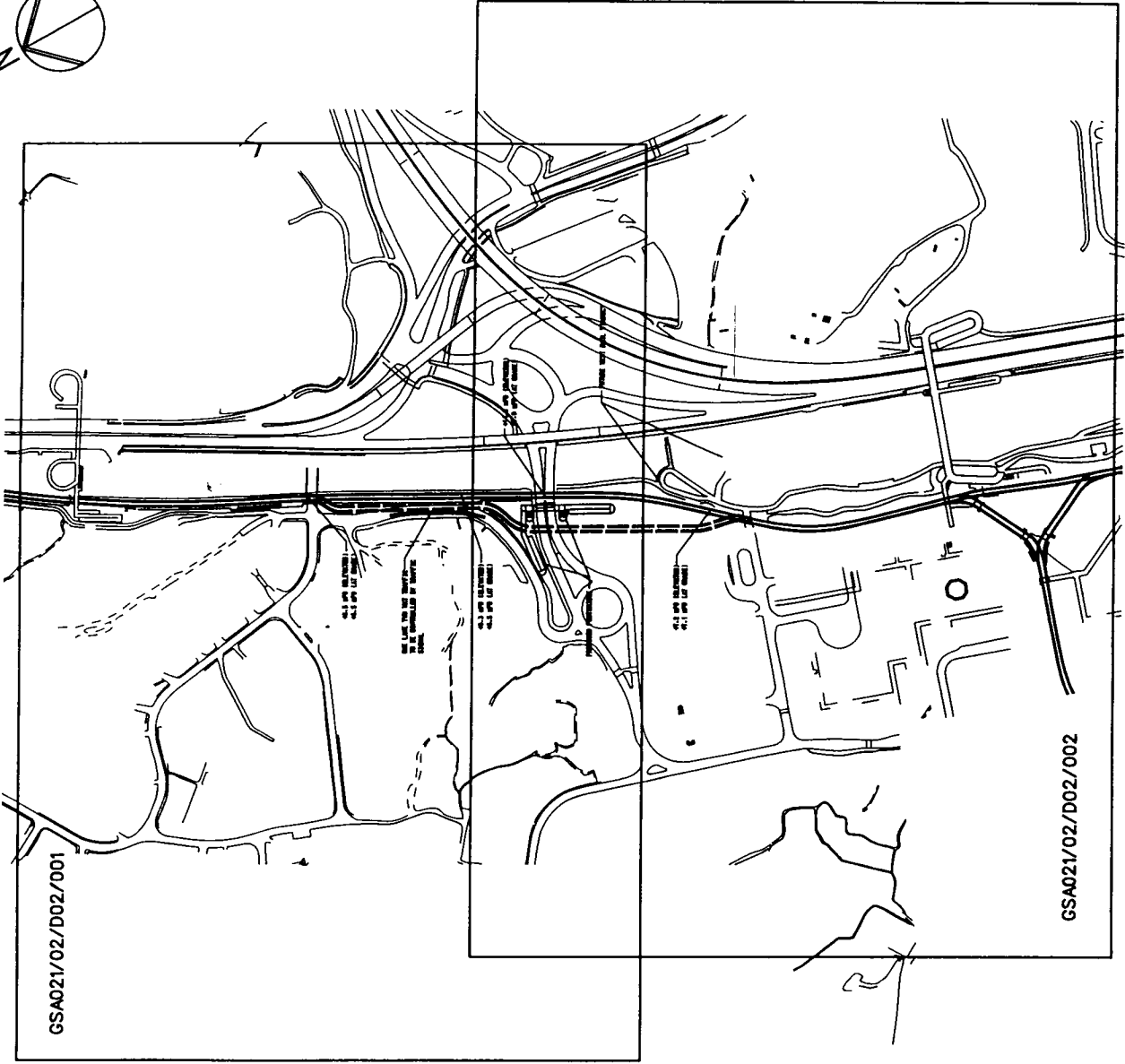


Pui To Road, Tuen Mun



Future Tuen Mun Station
PDS 221 Ipside Development

<p>DATE: 4 Nov 99 BY: [Signature]</p> <p>DATE: 4 Nov 99 BY: [Signature]</p> <p>DATE: 4 Nov 99 BY: [Signature]</p> <p>DATE: 4 Nov 99 BY: [Signature]</p>	<p>REVISIONS</p> <table border="1"> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> <tr> <td>1</td> <td>4 Nov 99</td> <td>SW</td> <td>Issued for Final EIA Report (New/Lead)</td> </tr> <tr> <td>2</td> <td>18 Nov 99</td> <td>SW</td> <td>Issued for Final EIA Report</td> </tr> <tr> <td>3</td> <td>18 Nov 99</td> <td>FC</td> <td>Issued for working paper (New/Lead)</td> </tr> <tr> <td>4</td> <td>18 Nov 99</td> <td>FC</td> <td>Issued for working paper</td> </tr> <tr> <td>5</td> <td>18 Nov 99</td> <td>ST</td> <td>Issued for working paper</td> </tr> <tr> <td>6</td> <td>18 Nov 99</td> <td>ST</td> <td>Issued for working paper</td> </tr> </table>	NO.	DATE	BY	DESCRIPTION	1	4 Nov 99	SW	Issued for Final EIA Report (New/Lead)	2	18 Nov 99	SW	Issued for Final EIA Report	3	18 Nov 99	FC	Issued for working paper (New/Lead)	4	18 Nov 99	FC	Issued for working paper	5	18 Nov 99	ST	Issued for working paper	6	18 Nov 99	ST	Issued for working paper	<p>SCALE: 1:2000</p> <p>PROJECT: GSA-021 LRT ALTERATION EIA</p> <p>CLIENT: Sensitive Receiver Locations (Pui To Road, Tuen Mun)</p> <p>DATE: 4 Nov 99</p>	<p>KCR Kowloon-Canton Railway Corporation</p> <p>西鐵 West Rail</p> <p>One Aup & Victoria Hong Kong Limited</p> <p>ARUP</p>
NO.	DATE	BY	DESCRIPTION																												
1	4 Nov 99	SW	Issued for Final EIA Report (New/Lead)																												
2	18 Nov 99	SW	Issued for Final EIA Report																												
3	18 Nov 99	FC	Issued for working paper (New/Lead)																												
4	18 Nov 99	FC	Issued for working paper																												
5	18 Nov 99	ST	Issued for working paper																												
6	18 Nov 99	ST	Issued for working paper																												



Lam Tei



NO.	DATE	BY	FOR	DESCRIPTION
1	4 Nov 99	SW	ST	Issued for Final EIA Report (Rev Lead)
2	18 Nov 99	SW	FC	Issued for Final EIA Report
3	18 Nov 99	SW	FC	Issued for working paper (rev Lead 1)
4	18 Nov 99	SW	FC	Issued for working paper
5	18 Nov 99	SW	FC	Issued for working paper
6	18 Nov 99	SW	FC	Issued for working paper
7	18 Nov 99	SW	FC	Issued for working paper
8	18 Nov 99	SW	FC	Issued for working paper
9	18 Nov 99	SW	FC	Issued for working paper
10	18 Nov 99	SW	FC	Issued for working paper
11	18 Nov 99	SW	FC	Issued for working paper
12	18 Nov 99	SW	FC	Issued for working paper
13	18 Nov 99	SW	FC	Issued for working paper
14	18 Nov 99	SW	FC	Issued for working paper
15	18 Nov 99	SW	FC	Issued for working paper
16	18 Nov 99	SW	FC	Issued for working paper
17	18 Nov 99	SW	FC	Issued for working paper
18	18 Nov 99	SW	FC	Issued for working paper
19	18 Nov 99	SW	FC	Issued for working paper
20	18 Nov 99	SW	FC	Issued for working paper
21	18 Nov 99	SW	FC	Issued for working paper
22	18 Nov 99	SW	FC	Issued for working paper
23	18 Nov 99	SW	FC	Issued for working paper
24	18 Nov 99	SW	FC	Issued for working paper
25	18 Nov 99	SW	FC	Issued for working paper
26	18 Nov 99	SW	FC	Issued for working paper
27	18 Nov 99	SW	FC	Issued for working paper
28	18 Nov 99	SW	FC	Issued for working paper
29	18 Nov 99	SW	FC	Issued for working paper
30	18 Nov 99	SW	FC	Issued for working paper
31	18 Nov 99	SW	FC	Issued for working paper
32	18 Nov 99	SW	FC	Issued for working paper
33	18 Nov 99	SW	FC	Issued for working paper
34	18 Nov 99	SW	FC	Issued for working paper
35	18 Nov 99	SW	FC	Issued for working paper
36	18 Nov 99	SW	FC	Issued for working paper
37	18 Nov 99	SW	FC	Issued for working paper
38	18 Nov 99	SW	FC	Issued for working paper
39	18 Nov 99	SW	FC	Issued for working paper
40	18 Nov 99	SW	FC	Issued for working paper
41	18 Nov 99	SW	FC	Issued for working paper
42	18 Nov 99	SW	FC	Issued for working paper
43	18 Nov 99	SW	FC	Issued for working paper
44	18 Nov 99	SW	FC	Issued for working paper
45	18 Nov 99	SW	FC	Issued for working paper
46	18 Nov 99	SW	FC	Issued for working paper
47	18 Nov 99	SW	FC	Issued for working paper
48	18 Nov 99	SW	FC	Issued for working paper
49	18 Nov 99	SW	FC	Issued for working paper
50	18 Nov 99	SW	FC	Issued for working paper
51	18 Nov 99	SW	FC	Issued for working paper
52	18 Nov 99	SW	FC	Issued for working paper
53	18 Nov 99	SW	FC	Issued for working paper
54	18 Nov 99	SW	FC	Issued for working paper
55	18 Nov 99	SW	FC	Issued for working paper
56	18 Nov 99	SW	FC	Issued for working paper
57	18 Nov 99	SW	FC	Issued for working paper
58	18 Nov 99	SW	FC	Issued for working paper
59	18 Nov 99	SW	FC	Issued for working paper
60	18 Nov 99	SW	FC	Issued for working paper
61	18 Nov 99	SW	FC	Issued for working paper
62	18 Nov 99	SW	FC	Issued for working paper
63	18 Nov 99	SW	FC	Issued for working paper
64	18 Nov 99	SW	FC	Issued for working paper
65	18 Nov 99	SW	FC	Issued for working paper
66	18 Nov 99	SW	FC	Issued for working paper
67	18 Nov 99	SW	FC	Issued for working paper
68	18 Nov 99	SW	FC	Issued for working paper
69	18 Nov 99	SW	FC	Issued for working paper
70	18 Nov 99	SW	FC	Issued for working paper
71	18 Nov 99	SW	FC	Issued for working paper
72	18 Nov 99	SW	FC	Issued for working paper
73	18 Nov 99	SW	FC	Issued for working paper
74	18 Nov 99	SW	FC	Issued for working paper
75	18 Nov 99	SW	FC	Issued for working paper
76	18 Nov 99	SW	FC	Issued for working paper
77	18 Nov 99	SW	FC	Issued for working paper
78	18 Nov 99	SW	FC	Issued for working paper
79	18 Nov 99	SW	FC	Issued for working paper
80	18 Nov 99	SW	FC	Issued for working paper
81	18 Nov 99	SW	FC	Issued for working paper
82	18 Nov 99	SW	FC	Issued for working paper
83	18 Nov 99	SW	FC	Issued for working paper
84	18 Nov 99	SW	FC	Issued for working paper
85	18 Nov 99	SW	FC	Issued for working paper
86	18 Nov 99	SW	FC	Issued for working paper
87	18 Nov 99	SW	FC	Issued for working paper
88	18 Nov 99	SW	FC	Issued for working paper
89	18 Nov 99	SW	FC	Issued for working paper
90	18 Nov 99	SW	FC	Issued for working paper
91	18 Nov 99	SW	FC	Issued for working paper
92	18 Nov 99	SW	FC	Issued for working paper
93	18 Nov 99	SW	FC	Issued for working paper
94	18 Nov 99	SW	FC	Issued for working paper
95	18 Nov 99	SW	FC	Issued for working paper
96	18 Nov 99	SW	FC	Issued for working paper
97	18 Nov 99	SW	FC	Issued for working paper
98	18 Nov 99	SW	FC	Issued for working paper
99	18 Nov 99	SW	FC	Issued for working paper
100	18 Nov 99	SW	FC	Issued for working paper



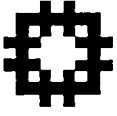
REV	DATE	BY	CHKD	APP	DESCRIPTION
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					
50					
51					
52					
53					
54					
55					
56					
57					
58					
59					
60					
61					
62					
63					
64					
65					
66					
67					
68					
69					
70					
71					
72					
73					
74					
75					
76					
77					
78					
79					
80					
81					
82					
83					
84					
85					
86					
87					
88					
89					
90					
91					
92					
93					
94					
95					
96					
97					
98					
99					
100					

PROJECT NO: GSA-021 LRT ALTERATION EIA
 Sensitive Receiver Locations
 (Lam Tei)

KCR 九龍鐵路有限公司
West Rail 西鐵
 One Rail & Partners Hong Kong Limited
 Prepared for: ARUP

DESIGNED BY	SW	DATE	4 Nov 99
DRAWN BY	SW		
CHECKED BY	FC		
BY DRAWN	ST		
DATE	4 Nov 99		

APPENDIX 3 – Building Plans for Tin Shui Wai Reserve Zone (Provided by HKHA)



HONG KONG HOUSING AUTHORITY
 Housing Authority Headquarters, 33, Fat Kwong Street, Kowloon, Hong Kong.
 香港房屋委員會 九龍佛光街 33 號房屋委員會總辦事處

File Ref: HD(CM) YL10-1/CRT
 Tel: 27615391

Your Ref: 22862/G/L024/ST/FC
 Date: 9 July, 1999
 By Fax & Post

Ove Arup & Partners
 56/F Hopewell Centre
 183 Queen's Road East, Hong Kong
 (Attn: Mr. Franki Chiu)

Dear Sir,
 Tin Shui Wai Area 30 & 31
Site Layout Plan

As request on your letter dated 8.07.99, I attach three copies of site layout plan of the captioned sites for your information.

The height of domestic blocks for the above sites is 40 storey.

22862	LC	LC	LC
22862	ST	ST	ST
22862	LC	LC	LC
22862	ST	ST	ST

Yours faithfully,

Henry LB
 (Henry LB)

Manager 13/CM
 for Director of Housing

LC/LC

P/S take care there NISK in the
 the notice included

TC

 香港房屋委員會
Hong Kong Housing Authority

Our Ref.: HD(P) 7/2/YL/S/3 Your Ref.: 22862/G/L028/ST/LC
Tel. No.: 2761 7139 Your Fax No.: 2865 6493
Fax No.: 2715 4557 19 July 1999

Ove Arup & Partners
56/F Hopewell Centre
183 Queen's Road East
Hong Kong

Attn: Mr. Sam TSOI

21 July 1999
ST in Melbourne
P L C
H L C


**KCRC Contract No. GSA-021, LRT Alternations, EIA
Request for Information (Tin Shui Wai Area 103, 105 and 111)**

I refer to your letter dated 12.7.1999 regarding the captioned.

As per your request, enclosed please find the Master Layout Plan of Area 105 and the location plans of Area 103 and 111 which show the site boundaries of the development. Please note that Area 103 is planned for HOS development to produce 2,190 flats in 2005/06, the conceptual layout of which is yet to be conceived. Area 111 is planned for PSPS development to produce 4,135 flats in 2002/03, which will be tendered out by the end of this year. Site layout of the PSPS development is dependent on the design proposed by the tenderer.

Should you have any questions, please feel free to contact Miss Cindy LEE at 2761 5318.

Yours sincerely,


(Mrs. Annelia LAM)
Deputy Project Manager/P4
for Director of Housing

Encl.

CL/LAL/cl
cil-4090.doc

NOTES

LEGEND

SITE BOUNDARY

PHASE BOUNDARY

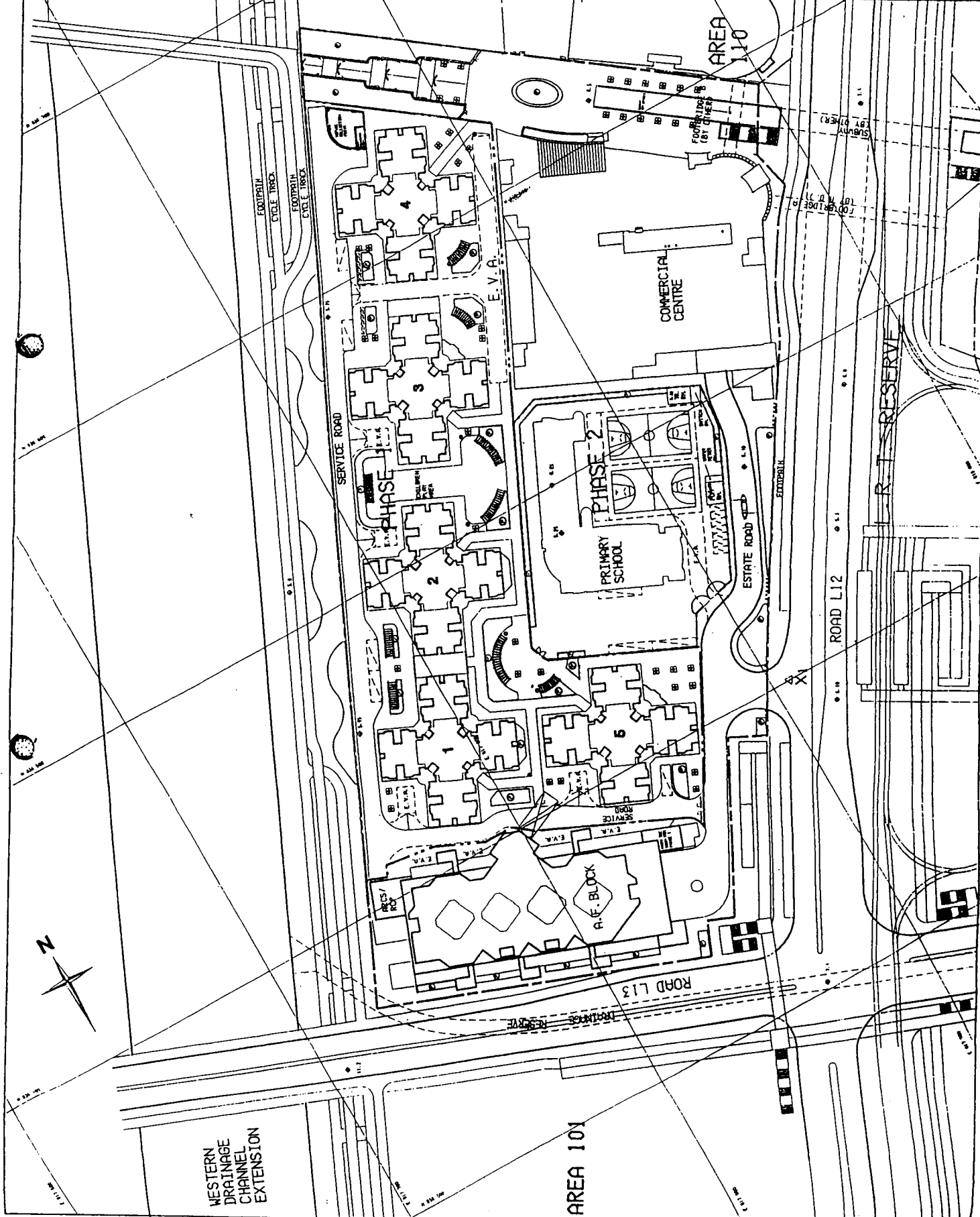
PLANTER

REVISIONS

NO.	DESCRIPTION	DATE	BY
1	ISSUED FOR PERMIT	11/12/11	PLANNING

NO.	DESCRIPTION	DATE	BY
2	ISSUED FOR PERMIT	11/12/11	PLANNING

PROJECT: TIN SHUI WAI AREA 105	
DRAWING TITLE: MASTER LAYOUT PLAN	
SCALE: 1:500	DATE: 11/11/11
PROJECT NO: YL17/SITE/ALD-01/A	
DRAWING NO: 105-01	
DRAWING TITLE: MASTER LAYOUT PLAN	
DRAWING NO: YL17/SITE/ALD-01/A	
DRAWING NO: 105-01	



WESTERN DRAINAGE CHANNEL EXTENSION

AREA 101

AREA 110

COMMERCIAL CENTRE

PHASE 2

PRIMARY SCHOOL

A/E BLOCK

ESTATE ROAD

ROAD L12

ROAD L13

DRIVE RESERVE

HOUSING DEPARTMENT


Memo

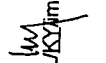
From Mr. David Lai Date 23rd July 1999
To Ove Anup & Partners
Attn Mr. Sam Tsoi Our Ref. 980501/MISC

Request for Information
Tin Shui Wai Area 110 Phase 2

With reference to your letter ref. 22862/G/LO27/ST/LC dated 12/7/99, we enclose herewith a set of architectural layout plans as follows for your attention.:

- Drawing no. YL21/2/SITE/A/LO-02/D
- STD/NCBR/A/LO-01 to LO-03
- STD/NCBR/A/LO-05 to LO-08
- STD/C1L1/A/LO-01 to LO-04
- STD/C1-1/A/LO-03 & STD/C1-1/A/LO-06)


David Lai

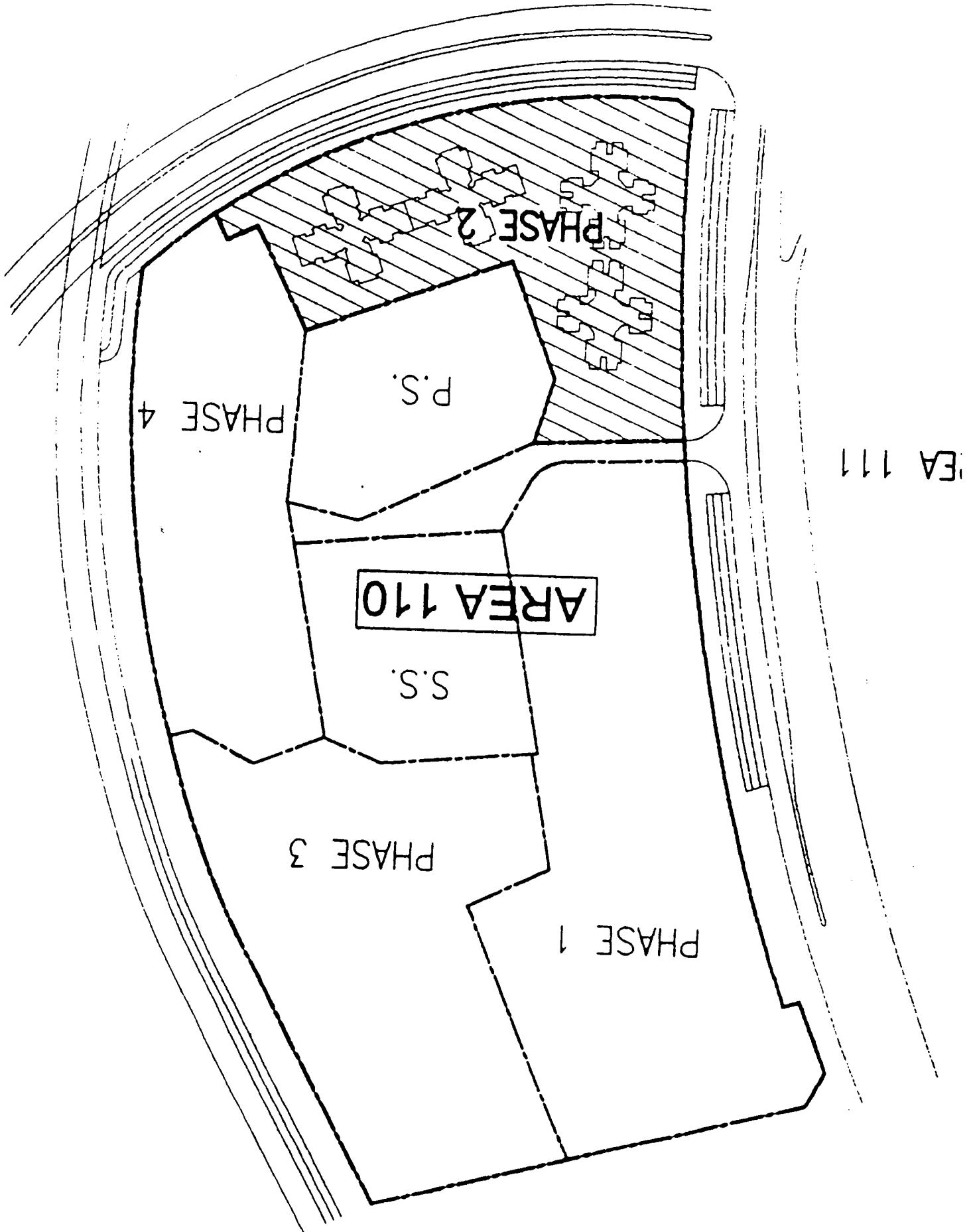

JK/DUK/JS/ym
Encl.

AMM Accounts	22862	F
22862	340	
Received	25 JUL 1999	
ST	JK	
ST	JK	

JK ✓
pls incorporate all the noise in model.
JK

c.c. HKHA - Mr. Bernie Yeung (M9/CM) (w/o - by fax only)

KEY PLAN



 香港房屋委員會
Hong Kong Housing Authority

Our Ref.: HD(PM4) MIS/624
Tel. No.: 2761 5496
Fax. No.: 2760 4737

Your Ref.: 22862/G/L026/ST/FC
Your Fax No.: 2865 6493
20 July 1999

Messrs Ove Arup & Partners,
56/F., Hopewell Centre,
183 Queen's Road East,
Hong Kong.
(Attn.: Mr. Sam TSOI)

22862
FC
ST

to incorporate
1L, pls incorporate into the model TC

Dear Sirs,

KCRC Contract No. GSA-021, LRT Alternations,
EIA Request for Information (Tin Shui Wai Area 102)

With reference to your letter dated 9 July 1999, regarding the captioned issue, we list the following information and enclose herewith drawings showing floor plans and elevations for your perusal.

Information of domestic block :-

Phase Nos.	Type of Domestic Blocks	Nos. of Domestic Storey
1	Concord 1 (Option 2)	40
2	Concord 1 (Option 2)	40
3	Concord 1 (Option 1)	40
4	Concord 1 (Option 1)	40
5	Harmony 1 (Option 5)	40
6	Harmony 1 (Option 5)	40
7	HSC (in Ancillary Facilities Block)	3

List of drawings :-

- Master Layout Plan (YL18/SITE/A/LO-01)
- Harmony 1 (Typical Floor Plan)
- Concord 1 - Option 1, F1 Floor Plan (STD/C1-1/A/LO-02/B)
- Concord 1 - Option 2, Typical Floor Plan (STD/C1-2/A/LO-03/A)
- Harmony 1 - Option 5, 7 and 8 Elevation (STD/H1-5/A/LO-09)
- Concord 1 - Option 1, Elevation A and B (STD/C1-1/A/LO-06/A)
- Concord 1 - Option 2, Elevation A and B (STD/C1-2/A/LO-06/A)
- Carport Block 2, Elevation 3 and Section A-A (YL18/3/CP2/A/LO-06/B)
- Carport Block 2, Elevation 1 & 2 (YL18/3/CP2/A/LO-05/A)

- Commercial Centre, Elevation 3 (YL18/7/CC/A/LO-07/A)
- Carport Block, Elevations (YL18/7/CP/A/LO-04/B)
- Ancillary Facilities Block, Elevations 1, 2, 3 & 4 (YL18/7/AF/A/LO-06/C)
- Commercial Centre, Elevation 1 & 2 (YL18/7/CC/A/LO-06/C)

If you have any queries, please contact the undersigned.

Yours faithfully,



(Ms. Marina LAM)
Assistant Project Manager/Architect 70
for Director of Housing

Encl.

ML/ac

NOTES

- 1. ALL DIMENSIONS ARE IN METERS
- 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 5. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 6. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 7. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 8. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 9. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED
- 10. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED

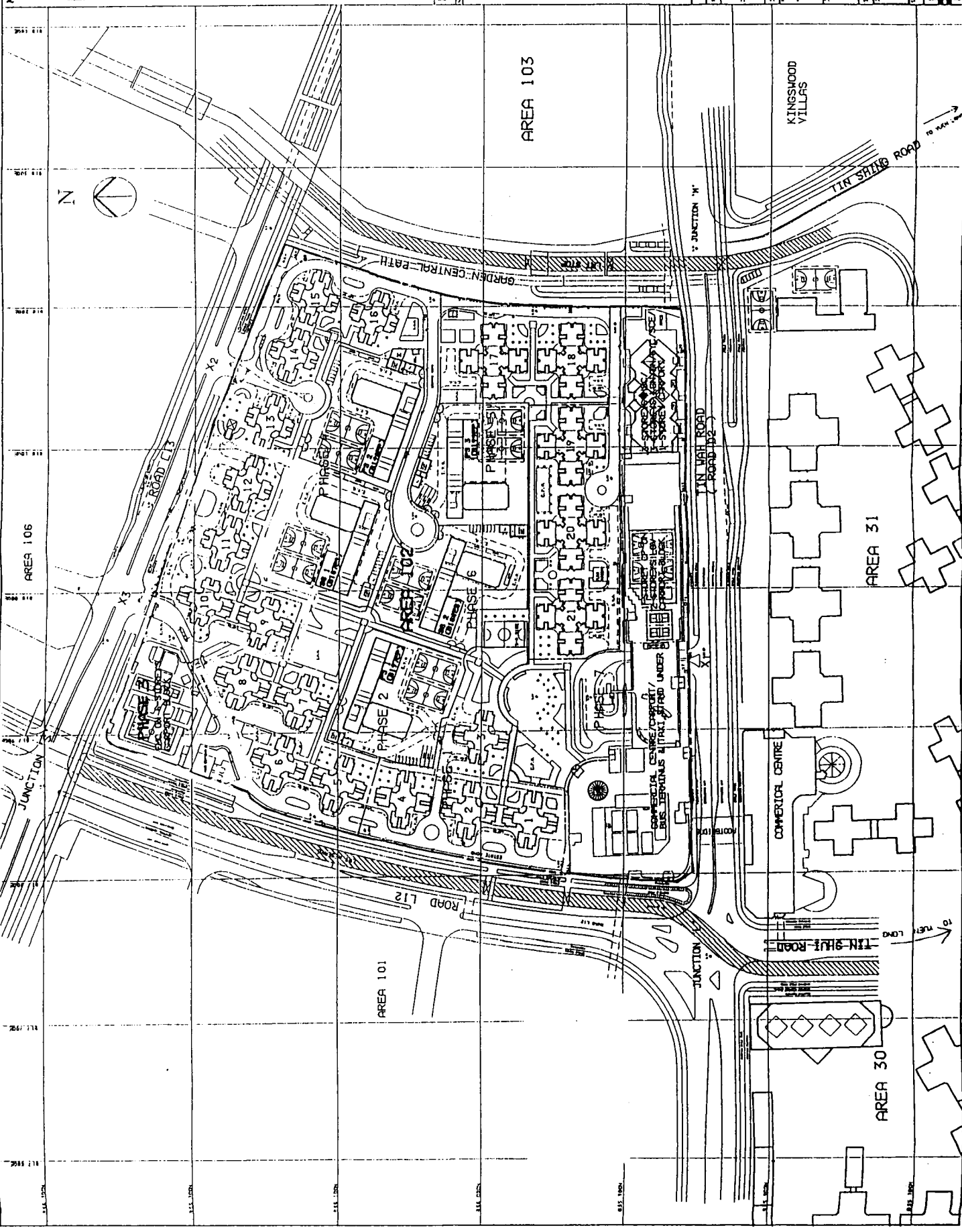
— SITE BOUNDARY

REVISIONS

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT	2011.03.15
2	ISSUED FOR PERMIT	2011.03.15

DATE OF PREPARATION	2011.03.15	DATE OF ISSUE	2011.03.15
DESIGNER	YIP YUEN	DRAWN	YIP YUEN
CHECKED	YIP YUEN	SCALE	1:1000
DATE OF REVISION		PROJECT NO.	YLS/SITE/A/LO-01
REVISION NO.			

TIN SHUI WAI AREA 102
 MASTER LAYOUT PLAN
 SCALE 1:1000
 YLS/SITE/A/LO-01



Your Ref:

Our Ref: NT9807/6.5/175

Ove Arup & Partners
 56/F., Hopewell Centre,
 183 Queen's Road East,
 Wanchai, Hong Kong
 Attn: Mr. Sam Tsoi / Mr. Laurent Cheung

27 July 1999

By Post

Dear Sirs,

Re: Construction of Tin Shui Wai Area 110, Phase 1
 KCRC Contract No: GSA-021, LRT Alternations EIA
Request for Information (Tin Shui Wai Areas 106 & 110) ↙

We refer to your letter dated 12/7/99 (ref. No: 22862/G/L027/ST/LC) regarding the captioned.

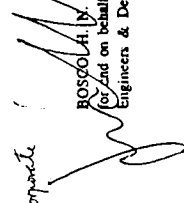
We would hereby enclose one set of the layout plans of captioned project as per enclosed drawing register for your information.

Should you have any query, please do not hesitate to contact our Mr. Chris Cong Shoe or Ms. Kimberly Tsui.

Yours faithfully,

27862
T

to revise incorporate



ROSCOLA BY BO ^{AUTHORIZED AGENT}
 for and on behalf of HO & PARTNERS ARCHITECTS
 Engineers & Development Consultants Limited

ST PC LC
 ST / U /

c.c. HKHA - Mr. Bernie Yeung M9/CM] by post w/o encl.

CCS/CIT/IK
 User: JMYNT98076.SN-175.doc 12:54 27 Jul 99

DIRECTORS

- Bence H. Ho BArch, DipMS, HKIA, RA, AP, RIBA, ARCUK, ARMA, Johny C. Y. Lee BArch, HKIA, BA, AP, RIBA, ARCUK, Peter K. F. Shum BSc(Erg), Cert. MICE, MISProc, MICE, AP, RPE, RSE, Ashwin C. C. Poon BA(AS), BArch, HKIA, RA, AP, RIBA, BArch W. L. Kong BSc(Arch)(Ment), Arch(Nonl), HKIA, RA, AP, RIBA, ARMA

SENIOR ASSOCIATE DIRECTORS

- Stephen T. K. Yeung BA, BArch, HKIA, RA, AP, RIBA, ARCUK, ARMA, IDA(HK), Chee W. H. Cheong BSc BA, BArch, MPhil, ARCUK, Benny W. L. Chung A'AppI, RIBA, RA(UK)
- Patricia S. Lam BArch, HKIA, RA, IDA(HK), Raymond L. N. The BSc(Erg), T. H. Yip BSc(Erg) Ir, Thomas S. T. Lee BSc(Mech), BArch, C.Eng., RPE, MCBSE, MICE, HARBRAE, MASHME, R. C. S. Lam BArch, M. Sc. Dip. Arch., MSc, Dip. Arch., MCBSE, MIB(Ass), Cert. Eng., MHKIE, Registered Professional Engineer, Paul K. C. Tsang BA(AS), BArch, HKIA, RA, ARMA, RA



Administrative Officer: Amy L. K. Lam

Financial Controller: Herbert W. S. Cheung

Personnel Officer: Angela W. F. Chan

GA02
 990809

Telephone: (852) 35328299

Telex: (8620) 82150012



Chan, Kan & Associates Ltd.
 Architects - Interior & Graphic Designers
 簡陳建築設計有限公司

Our Ref.: A291/3.6/462

27 July 1999

Your Ref.:

22862
F

200388

Ove Arup & Partners
 56/F Hopewell Centre
 183 Queen's Road East
 Hong Kong

14,
Pls incorporate

8T FC
51 / 2

Dear Sirs,

Re: Construction of Tin Shui Wai Area 110 — Phase 4
Contract No.: 129 of 1998

We are the Consultant Architect for the captioned project. With reference to your letter (Ref. 22862/G/L027/ST/LC) dated 12 July 1999, we forward herewith the master layout plan and the elevation for your information as per your request.

Yours faithfully,
 For and on behalf of
 CHAN, KAN & ASSOCIATES LTD

Kenneth C. Y. Kan
 Director

KK/JN/TW/MC/dn

Encl.

c.c. M9/CM — Mr. Bernie Yeung) w/o encl.



何顯毅
建築師
工程師
測量師
顧問

HO & PARTNERS ARCHITECTS
ENGINEERS & DEVELOPMENT CONSULTANTS LIMITED
9/F., The Westpoint, 160 Connaught Road West, Hong Kong
Cable: HOPARCH
Tel: 28115733 Fax: 28115775



Your Ref:

Our Ref: NY/16/6.4/85

Ove Arup & Partners
56/F., Hopewell Centre,
183 Queen's Road East,
Wanchai, Hong Kong

22862
F

2233

28 July, 1999

Attn: Mr. Sam Tsoi / Mr. Laurent Cheung

By Hand

ST FC LC IL
ST R -

Pls incorporate these
plans in our
model. TC

Dear Sirs,

Re: Construction of Tin Shui Wai Area 106 Phase 1
KCRC Contract No: GSA-021, LRT Alternations ELA
Request for Information (Tin Shui Wai Areas 106 & 110)

We refer to your letter dated 12/7/99 (ref. No: 22862/G/L027/ST/LC) regarding the captioned.

We would hereby enclose one set of the layout plans of captioned project as per enclosed drawing register for your information.

Should you have any query, please do not hesitate to contact our Mr. Anthony Poon.

Yours faithfully,

BOSCO H. N. HO
Authorized Person
for and on behalf of HO & PARTNERS Architects
Engineers & Development Consultants Limited

Encl.

c.c. HKHA - Mr. Bennie Yeung (M9/CM) (w/o. by post)

AP/kf

User: J:\MKT\B\LETTERS\485.doc 10/06 28JUL99

DIRECTORS

: Isaac H. Ho BArch, DipArch, HKIA, RA, AP, RIBA, ARCUK, ARAIA, Johnny C. Y. Lee, BArch, HKIA, RA, AP, RIBA, ARCUK, Peter K. F. Sham, BSc(Eng), CEng, MIStructE, MHKIE, AP, RPE, RSE, Anthony C. C. Tsan, BA(AS), BArch, HKIA, RA, AP, RIBA, Barry W. L. Keung, BSc(Arch/Mech), BArch(NHoni), HKIA, RA, AP, RIBA, ARAIA

SENIOR ASSOCIATE DIRECTORS

: Stephen T. K. Yeung, BA, BArch, HKIA, RA, AP, RIBA, ARCUK, ARAIA, IDArch, Chris W. H. Tang, BArch, BA, BArch, MPhil, ARCUK, Bobby W. L. Cheung, AArch, RIBA, RA(UK)

ASSOCIATE DIRECTORS

: Polly Sue Barch, HKIA, RA, IDArch, Raymond L. M. The, BSc(Eng), T. H. Ho, MSc(Eng), Ir. Thomas S. T. Lee, BSc(Mech Eng), C. Eng., RPE, MCI(SEE, MHKIE, MASHRAE, MASME, Mark C. S. Long, M. Sordic, C. Eng., MSc(Eng), MIE(Aust), CPEng., MHKIE, Registered Professional Engineer, Paul K. C. Tang, BA(AS), BArch, HKIA, RIBA, ARAIA, RA

Administrative Officer: Andy L. K. Lam

Financial Controller: Herbert W. S. Cheung

Personnel Officer: Angela W. F. Cheung

G402
990809

Telephone: (852)53262909

Facsimile: (852)0183150012



WESTERN DRAINAGE CHANNEL EXTENSION →



L. R. T. RESERVE

ROAD L12

ESTATE ROAD

PHASE 2

PHASE 1

AREA 110

PHASE 3

CARPARK

PRIMARY SCHOOL

SECONDARY SCHOOL

PROPOSED FOOTBRIDGE BY AREA 110

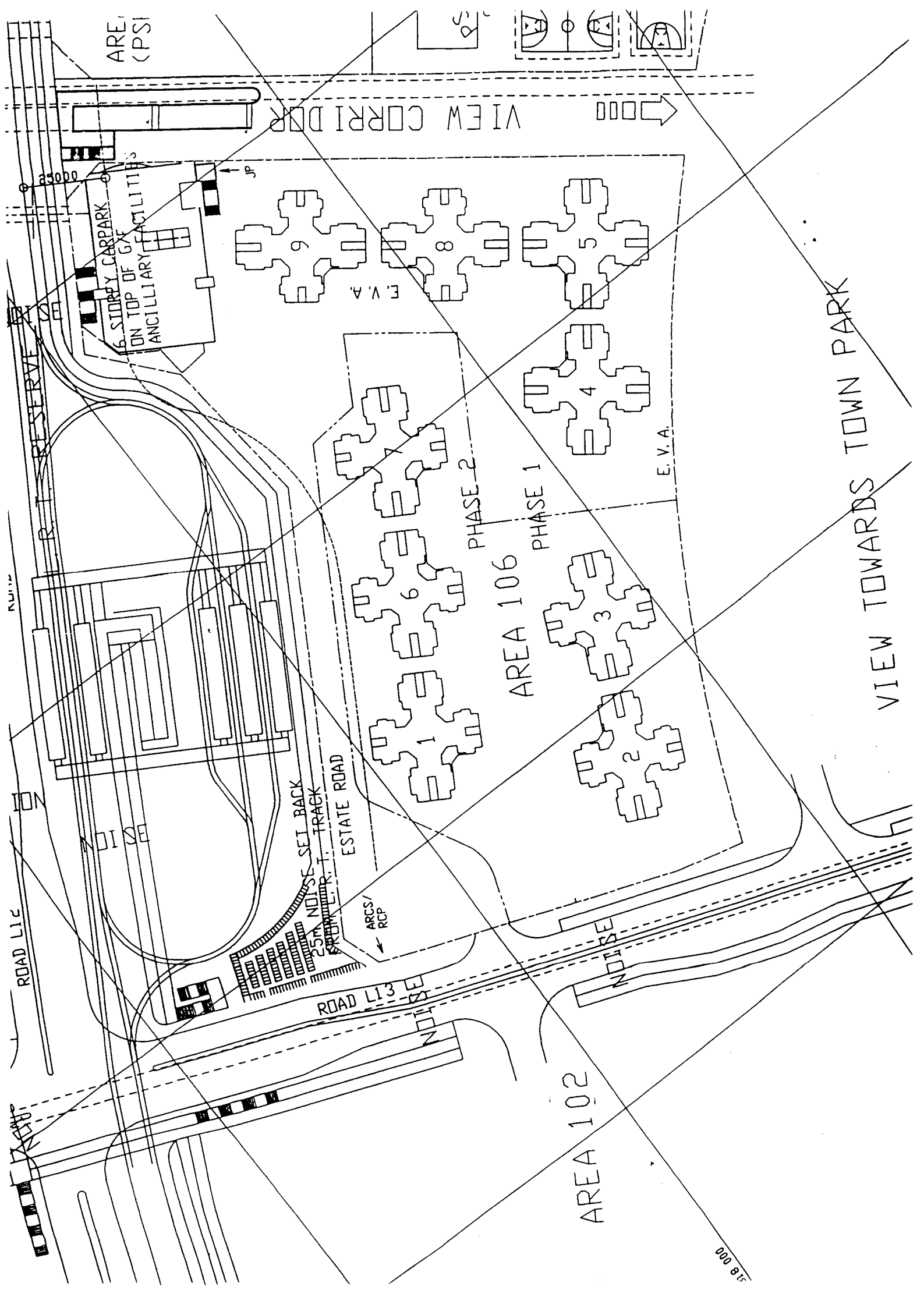
BUS ACCESS ONLY

COMMON ACCESS TO BE MANAGED & MAINTAINED BY PR. & CONTRACTOR

PRIVATE ACCESS

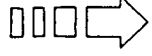
TEMPORARY EX COMPOND

PROPOSED BOX CULVERT



AREA
(CPS)

VIEW CORRIDOR



6 STOREY CARPARK
ON TOP OF G/F
ANCILLIARY FACILITIES

9 8 5
E.V.A.

1 2 3 4 6
PHASE 2
PHASE 1
E.V.A.

AREA 106

VIEW TOWARDS TOWN PARK

NOISE SET BACK
2.5M FROM R.T. TRACK

ESTATE ROAD

ARCS/
RCP

NOISE

ROAD L13

AREA 102

1:8 15

APPENDIX 4 – Predicted Train Frequency and Speed (Provided by KCR)



KCR
九廣鐵路

九廣鐵路公司
Kowloon-Canton Railway Corporation

西鐵部 West Rail Division

Comm Ref: WRICRN1999-0056460

8 September 1999

Ove Anup & Partners Hong Kong Ltd
56/F, Hopewell Centre
183 Queen's Road East
Wanchai
Hong Kong

By post

Attn: Mr Sam Tsoi

ATUP ACOUSTICS	Job No. 22811
Master Ref: 200501	File No.
Rev. Ref: 200501	Project Ref.
Action Required	By: [Signature]
	Date
Received	09 SEP 1999
Initis.	ST
Action	FC
Info.	ST
Copy	

Subject: KCR West Rail
GSA-021 LRT Alterations, EIA
LRV Operating Speed and Frequency

Dear Mr Tsoi,

I would like to confirm the following Light Rail (LR) information should be used in the above EIA:

- Annex A LRV frequency in Pui To Road area before Nov 2003
- Annex B LRV frequency in Pui To Road area for year up to 2011
- Annex C LRV frequency at Tsing Lun Road before Nov 2003
- Annex D LRV frequency at Tsing Lun Road for year up to 2011
- Annex E LRV frequency in Tin Shui Wai area before Nov 2003
- Annex F LRV frequency in Tin Shui Wai area for year up to 2011
- Annex G LRV operating speed in Tin Shui Wai Reserve Zone
- Annex H LRV operating speed in Tin Shui Wai Phase 4
- Annex I LRV operating speed at Tsing Lun Road before Nov 2003
- Annex J LRV operating speed at Tsing Lun Road after Nov 2003
- Annex K LRV operating speed at Pui To Road

.../P.2



KCR
九廣鐵路

九廣鐵路公司
Kowloon-Canton Railway Corporation

西鐵部 West Rail Division

Comm Ref: WRICRN1999-0056460

Date: 8 September 1999

To: OAP - Sam Tsoi

The LRV frequency and LRV operating speed were agreed with you on 22 June 1999 and 30 July 1999 respectively.

Yours sincerely,

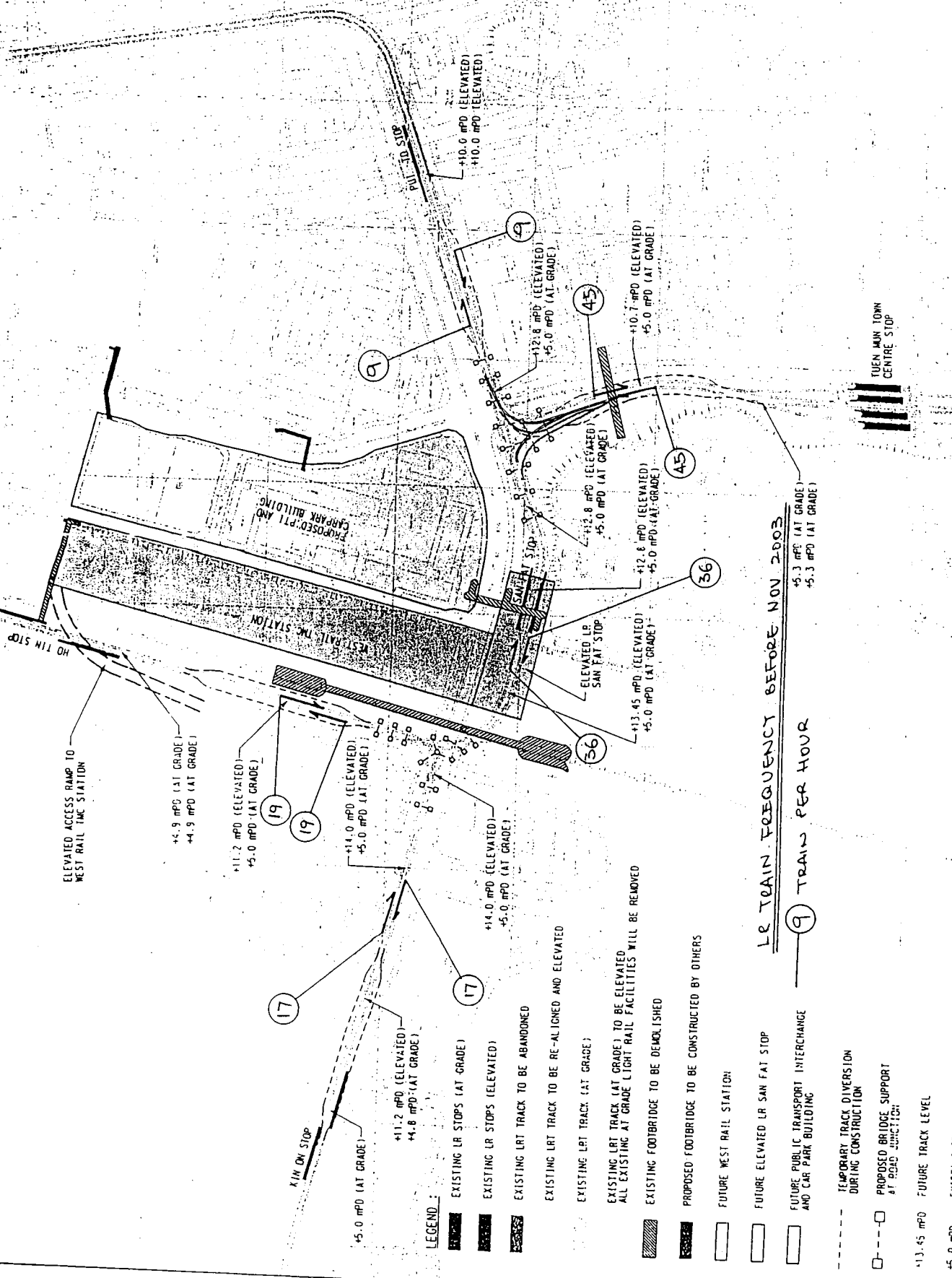
[Signature]

Vic McNally
Environmental Manager

VM/BT/C/ah
v.

Response Required: No
Due Date: N/A
Attachments: Yes
Contract Code: EN101

ANNEX A



LEGEND:

- — — — — EXISTING LR STOPS (AT GRADE)
- — — — — EXISTING LR STOPS (ELEVATED)
- — — — — EXISTING LRT TRACK TO BE ABANDONED
- — — — — EXISTING LRT TRACK TO BE RE-ALIGNED AND ELEVATED
- — — — — EXISTING LRT TRACK (AT GRADE)
- — — — — EXISTING LRT TRACK (AT GRADE) TO BE ELEVATED
- — — — — ALL EXISTING AT GRADE LIGHT RAIL FACILITIES WILL BE REMOVED
- — — — — EXISTING FOOTBRIDGE TO BE DEMOLISHED
- — — — — PROPOSED FOOTBRIDGE TO BE CONSTRUCTED BY OTHERS
- — — — — FUTURE WEST RAIL STATION
- — — — — FUTURE ELEVATED LR SAN FAT STOP
- — — — — FUTURE PUBLIC TRANSPORT INTERCHANGE AND CAR PARK BUILDING
- - - - - TEMPORARY TRACK DIVERSION DURING CONSTRUCTION
- - - - - PROPOSED BRIDGE SUPPORT AT ROAD JUNCTION
- — — — — FUTURE TRACK LEVEL
- — — — — EXISTING TRACK LEVEL

LR TRAIN FREQUENCY BEFORE NOV 2003

⑨ TRAIN PER HOUR



DATE: 16 JUN 99
 DRAWN BY: CHENG K. W.
 CHECKED BY: LOUIS CHAN
 DATE: 11 JUL 99
 PROJECT NO: MR/01/COA/021
 SHEET NO: 2/2
 SCALE: 1:1500

KCR 九鐵 West Rail

PUI TO ROAD GRADE SEPARATION
(JUNCTION J6-MT-MJB)

SCHEME PLAN 2.7 JUN 1999

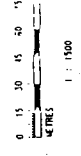
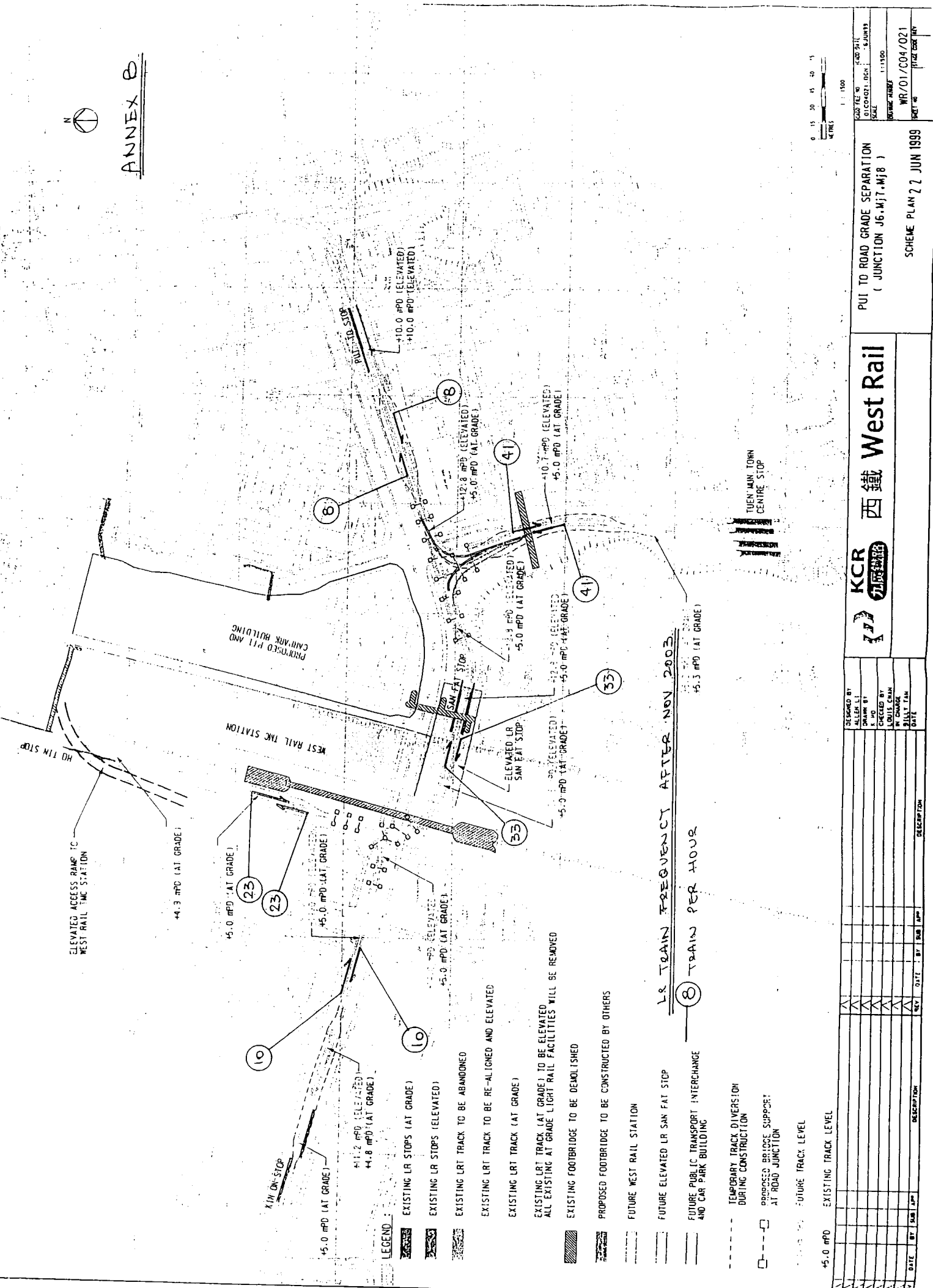
REV	DATE	BY	DATE	DESCRIPTION

DESIGNED BY	ALLEN LI
CHECKED BY	LOUIS CHAN
DATE	11 JUL 99

PREPARED BY: CHENG K. W. DATE: 16 JUN 99
 DRAWN BY: CHENG K. W. CHECKED BY: LOUIS CHAN DATE: 11 JUL 99
 PROJECT NO: MR/01/COA/021 SHEET NO: 2/2 SCALE: 1:1500
 MOSS PROVIDED WITH PERMISSION OF Director of Lands, (C) HONG KONG GOVERNMENT.



ANNEX B



CADD FILE NO. C:\CADD\021.DWG
 DATE 11/11/00
 DRAWN BY MR/01/C04/OZ1
 CHECKED BY
 SCALE 1:1500
 SHEET NO.

PUT TO ROAD GRADE SEPARATION
 (JUNCTION J6.MJT.MJ8)
 SCHEME PLAN 2 JUN 1999

KCR 地鐵 West Rail

NO.	DATE	BY	SUB.	APP.	DESCRIPTION

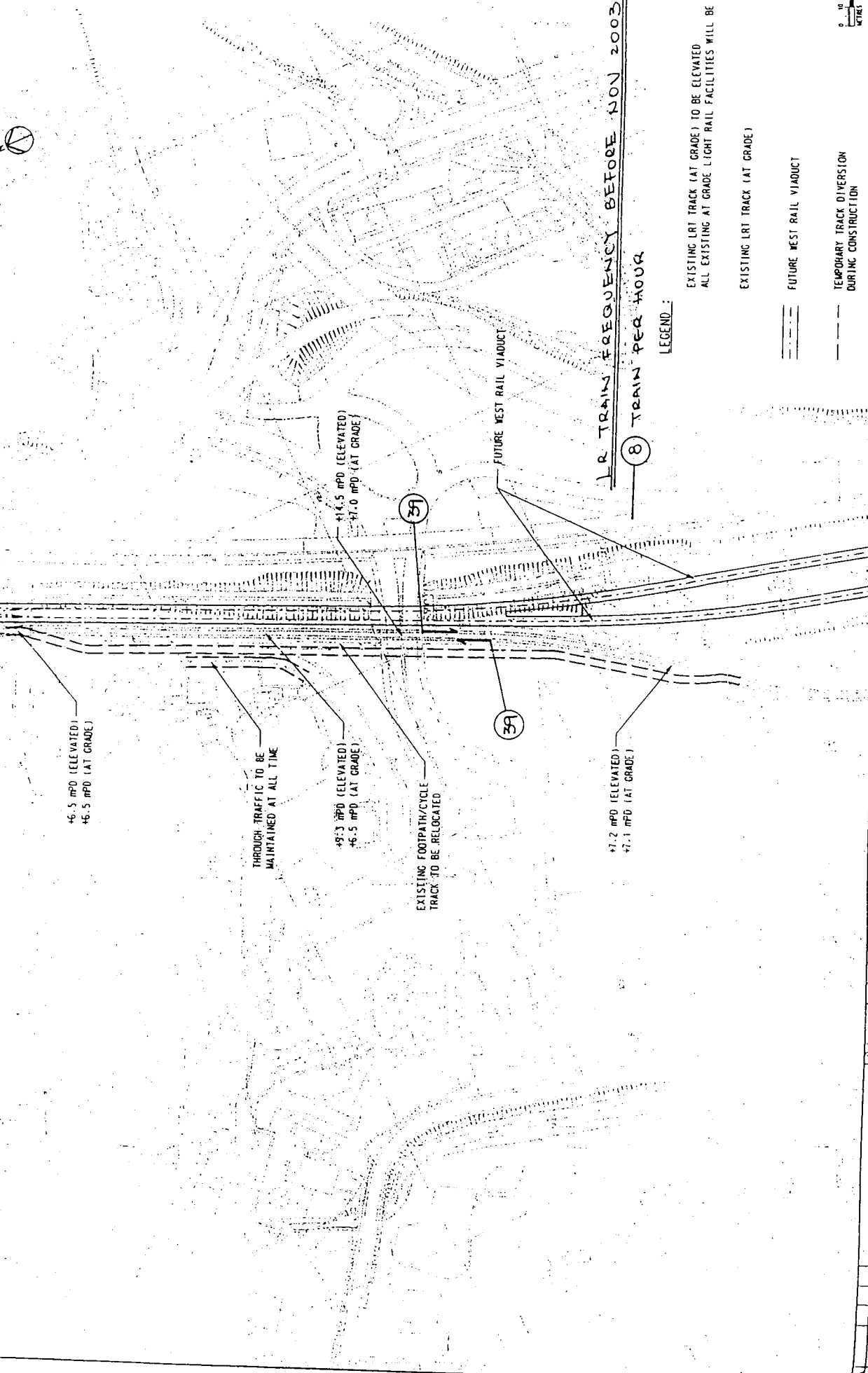
DESIGNED BY
 ALLEN LI
 CHECKED BY
 LOUIS CHAN
 IN CHARGE
 BILLY TAN
 DATE

LRT TRAIN FREQUENCY AFTER NOV 2003
 (8) TRAIN PER HOUR

- LEGEND**
- EXISTING LRT TRACKS (AT GRADE)
 - EXISTING LRT TRACKS (ELEVATED)
 - EXISTING LRT TRACK TO BE ABANDONED
 - EXISTING LRT TRACK TO BE RE-ALIGNED AND ELEVATED
 - EXISTING LRT TRACK (AT GRADE)
 - EXISTING LRT TRACK (AT GRADE) TO BE ELEVATED
 - ALL EXISTING AT GRADE LIGHT RAIL FACILITIES WILL BE REMOVED
 - EXISTING FOOTBRIDGE TO BE DEMOLISHED
 - PROPOSED FOOTBRIDGE TO BE CONSTRUCTED BY OTHERS
 - FUTURE WEST RAIL STATION
 - FUTURE ELEVATED LRT SAN FAT STOP
 - FUTURE PUBLIC TRANSPORT INTERCHANGE AND CAR PARK BUILDING
 - TEMPORARY TRACK DIVERSION DURING CONSTRUCTION
 - PROPOSED BRIDGE SUPPORT AT ROAD JUNCTION
 - FUTURE TRACK LEVEL
 - EXISTING TRACK LEVEL

Maps reproduced with permission of the Director of Lands, (C) Hong Kong Government.
 DRAWN BY: A50443 22 JUN 1999 10:40
 PROJECT: WEST RAIL TMC STATION AND SAN FAT STATION INTERCHANGE AND CAR PARK BUILDING

ANNEX C



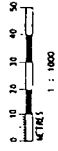
LEGEND:

EXISTING LRT TRACK (AT GRADE) TO BE ELEVATED
ALL EXISTING AT GRADE LIGHT RAIL FACILITIES WILL BE REMOVED


EXISTING LRT TRACK (AT GRADE)

FUTURE WEST RAIL VIADUCT

TEMPORARY TRACK DIVERSION
DURING CONSTRUCTION



LRT TRAIN FREQUENCY BEFORE NOV 2003
8 TRAIN PER HOUR



西鐵 West Rail

TSING LUNG ROAD GRADE SEPARATION
(JUNCTION LT1)

SCHEME PLAN 127 JUN 1999

REV	DATE	BY	CHK	APP	DESCRIPTION

DESIGNED BY ALEX L.I.	CHECKED BY S. HO
DRAWN BY S. HO	CHECKED BY S. HO
DATE 15 JUN 1999	DATE 15 JUN 1999

DRAWN BY	CHECKED BY	DATE

DRAWN BY	CHECKED BY	DATE

APP. FILE NO. 10001.001

DATE: 15 JUN 1999

SCALE: 1:1000

PROJECT NO. WR/01/C04/041

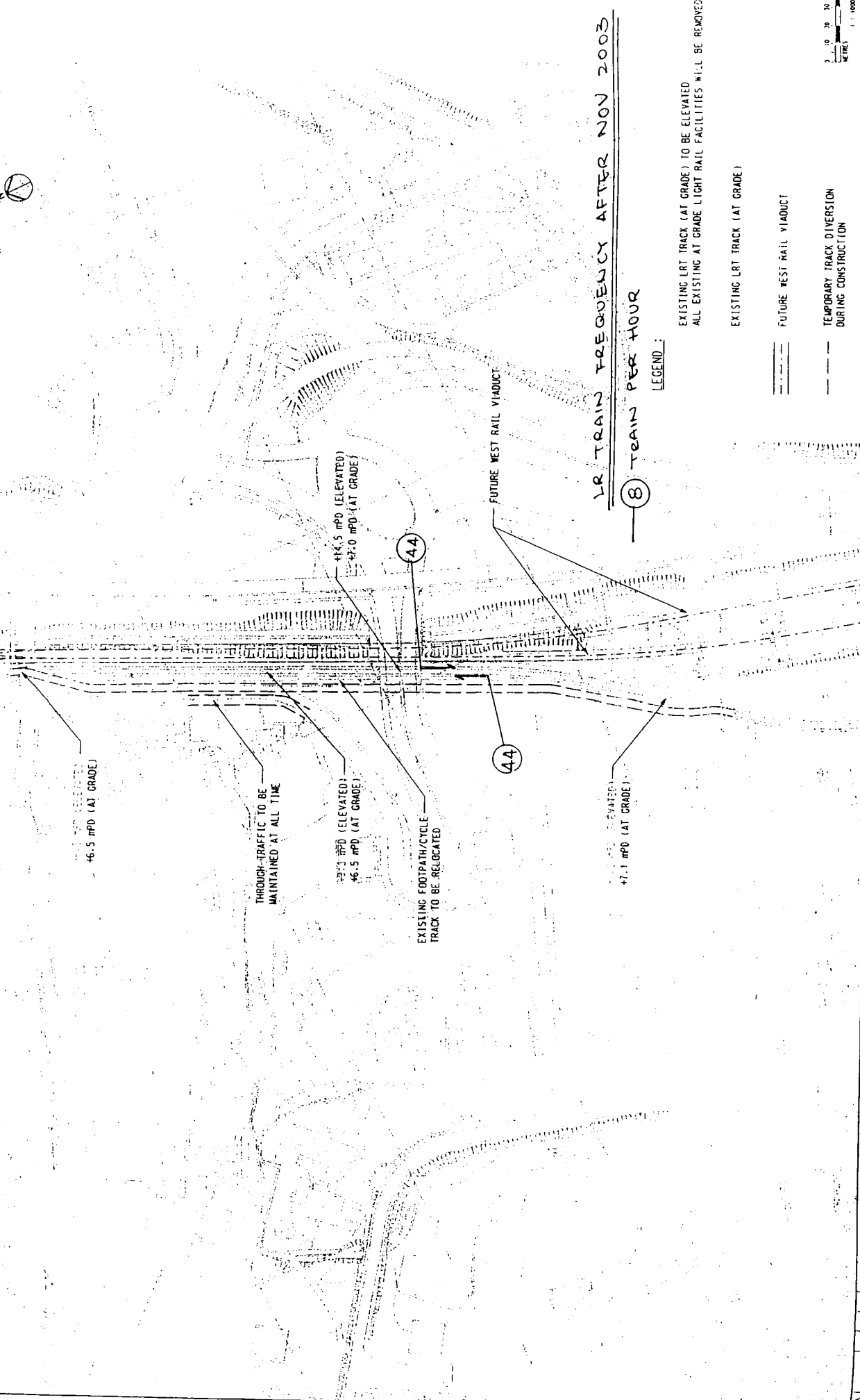
DRAWN BY: S. HO

CHECKED BY: S. HO

DATE: 15 JUN 1999

PREPARED BY: 15/06/99
 DRAWN BY: S. HO
 CHECKED BY: S. HO
 DATE: 15 JUN 1999

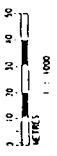
NOT REPRODUCED WITH PERMISSION OF: Director of Lands, (C) Hong Kong Government.



LR TRAIN FREQUENCY AFTER NOV 2003
 (8) TRAIN PER HOUR

LEGEND:

- EXISTING LRT TRACK (AT GRADE) TO BE ELEVATED
 ALL EXISTING AT GRADE LIGHT RAIL FACILITIES WILL BE REMOVED
- EXISTING LRT TRACK (AT GRADE)
- FUTURE WEST RAIL VIADUCT
- TEMPORARY TRACK DIVERSION DURING CONSTRUCTION



CONTRACT NO.	WR/01/CO4/041
SCALE	1:1000
DATE	12 JUN 1999

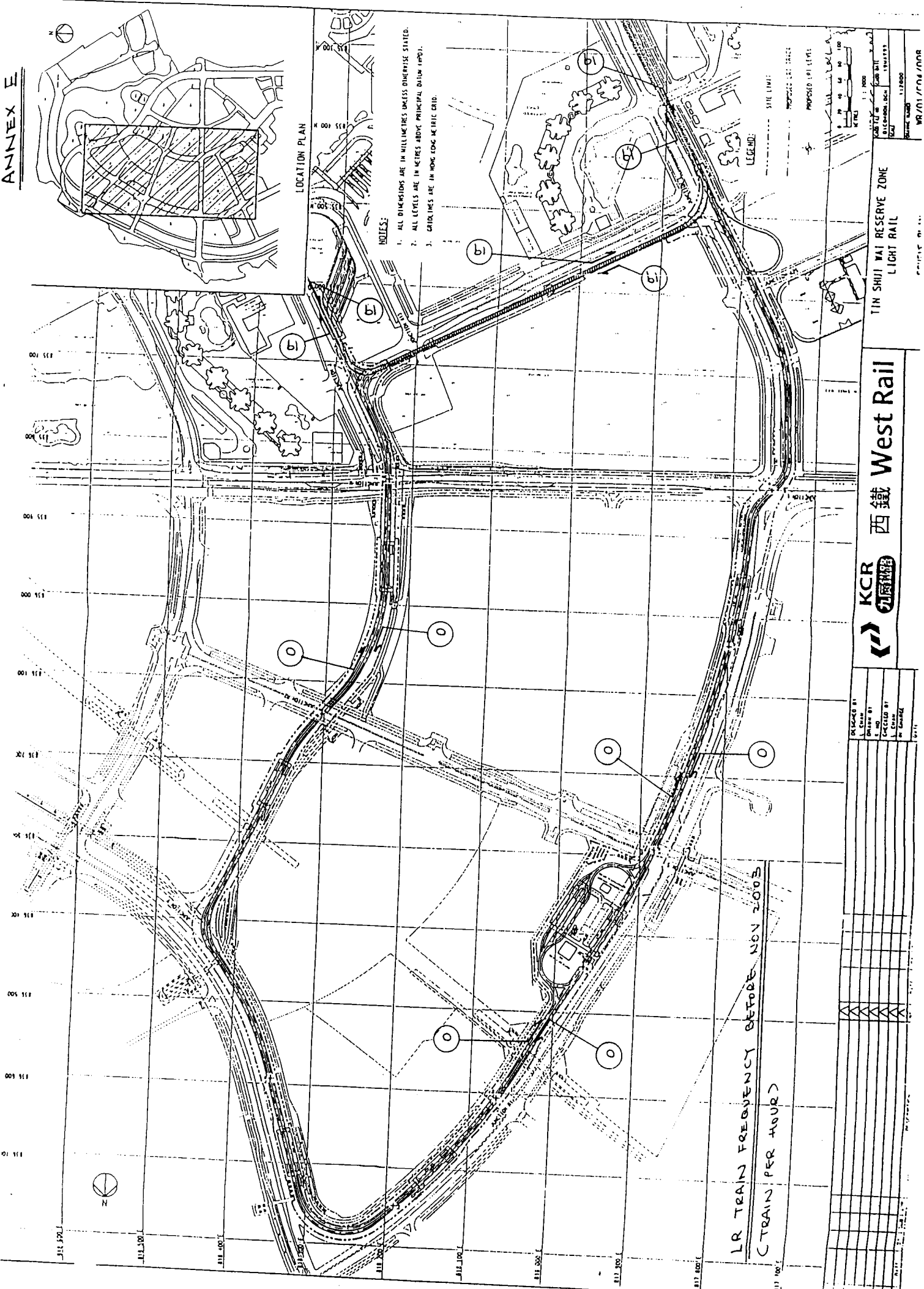
TSING LUNG ROAD GRADE SEPARATION
 (JUNCTION LT1)
 SCHEME PLAN 12 JUN 1999

西鐵 West Rail

REV	DATE	BY	APP	DESCRIPTION

DESIGNED BY	ALLEN LI
DRAWN BY	E. HO
CHECKED BY	W. CHAN
APPROVED BY	BILLY TAM
DATE	

ANNEX E

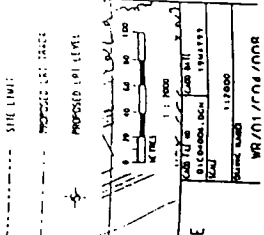


LOCATION PLAN

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DRAIN (PAD).
3. CENTER LINES ARE IN HONG KONG METRIC GRID.

LEGEND:

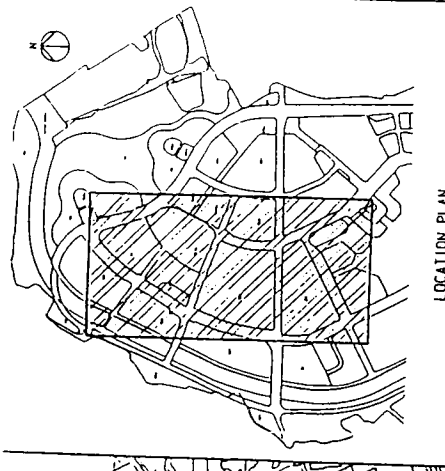


TIN SHUI WAI RESERVE ZONE
LIGHT RAIL

KCR 九廣鐵路
西鐵 West Rail

LR TRAIN FREQUENCY BEFORE NOV 2003
CTRAIN PER HOUR

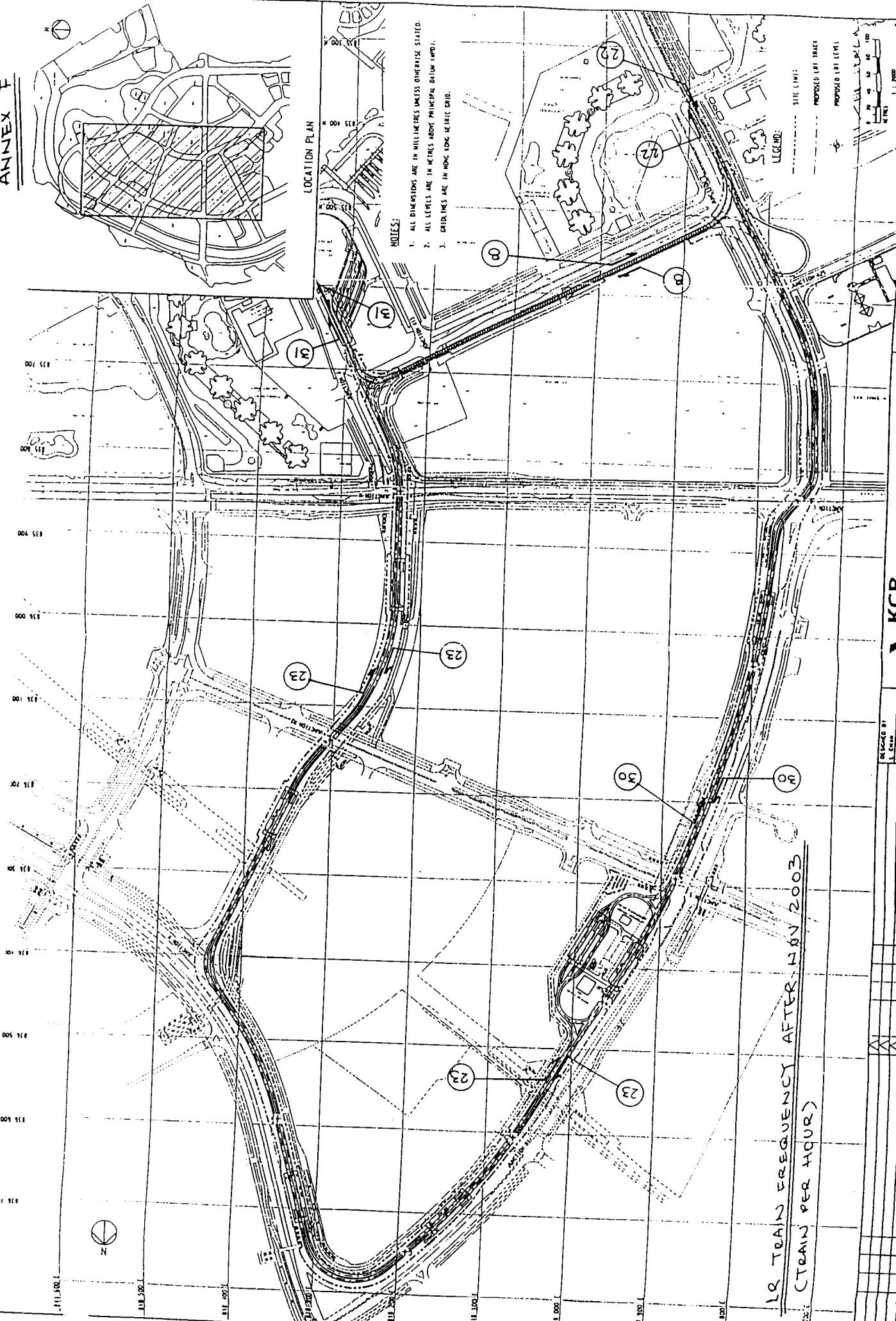
DESIGNED BY	L. CHAN
CHECKED BY	M. SHARPE
DATE	13/04/11
SCALE	1:1,000
PROJECT NO.	WR/01/FA/008
DATE	13/04/11



LOCATION PLAN

NOTES:

- 1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
- 2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM (MAD).
- 3. GRADES ARE IN MDCS LONG AS TRUCK CRAB.



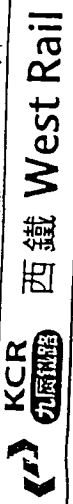
LR TRAIN FREQUENCY AFTER JAN 2003
(TRAIN PER HOUR)

LEGEND

- SITE LIMIT
- PROPOSED (RT) TRACK
- PROPOSED (LT) LEVEL

DATE	11.05.00
SCALE	1:1000
PROJECT NO.	MTR/01/CO4/008
DATE	11.05.00
SCALE	1:1000

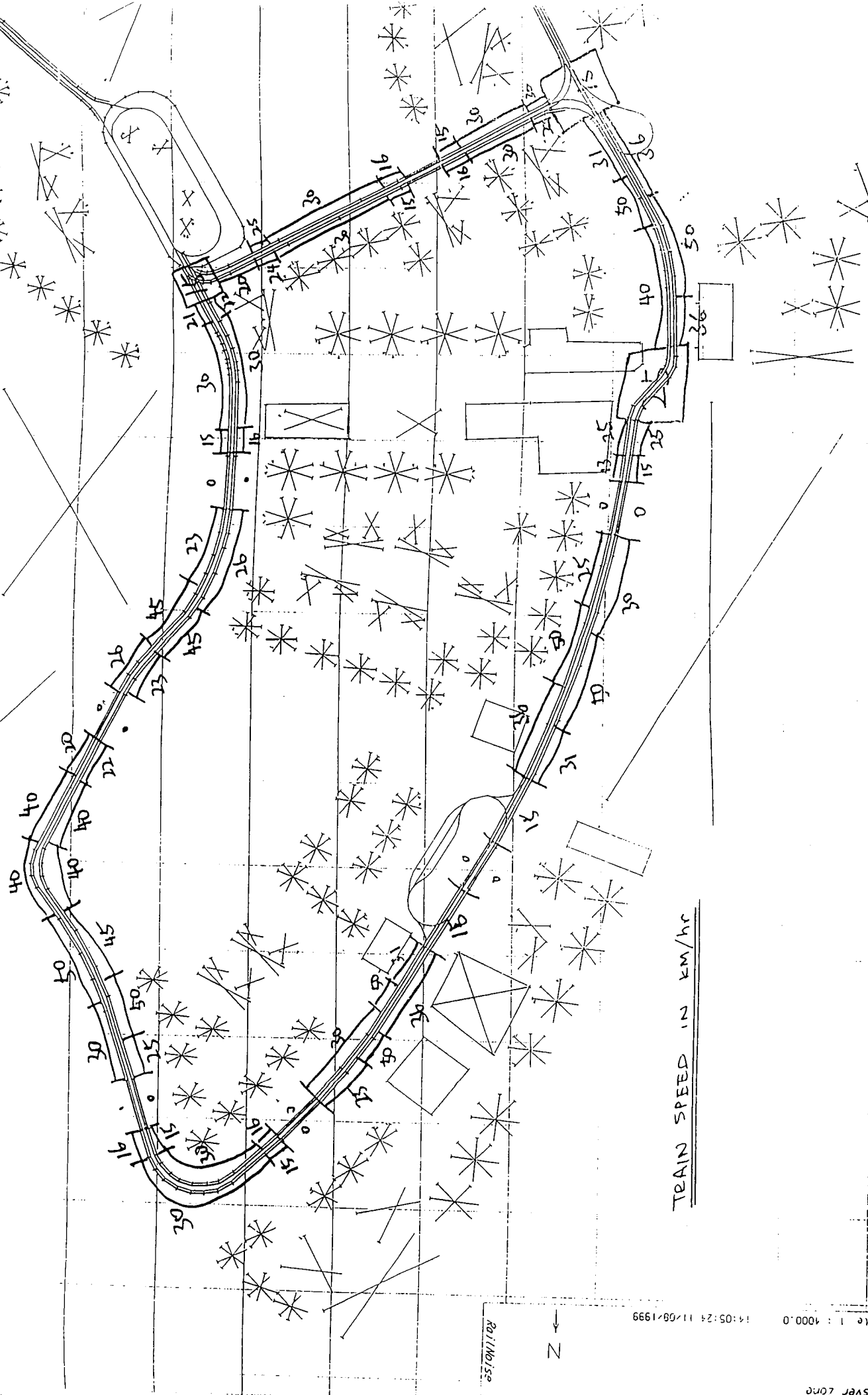
TIN SHUI WAI RESERVE ZONE
LIGHT RAIL
SCHEME PLAN



DESIGNED BY	
DRAWN BY	
CHECKED BY	
IN CHARGE	

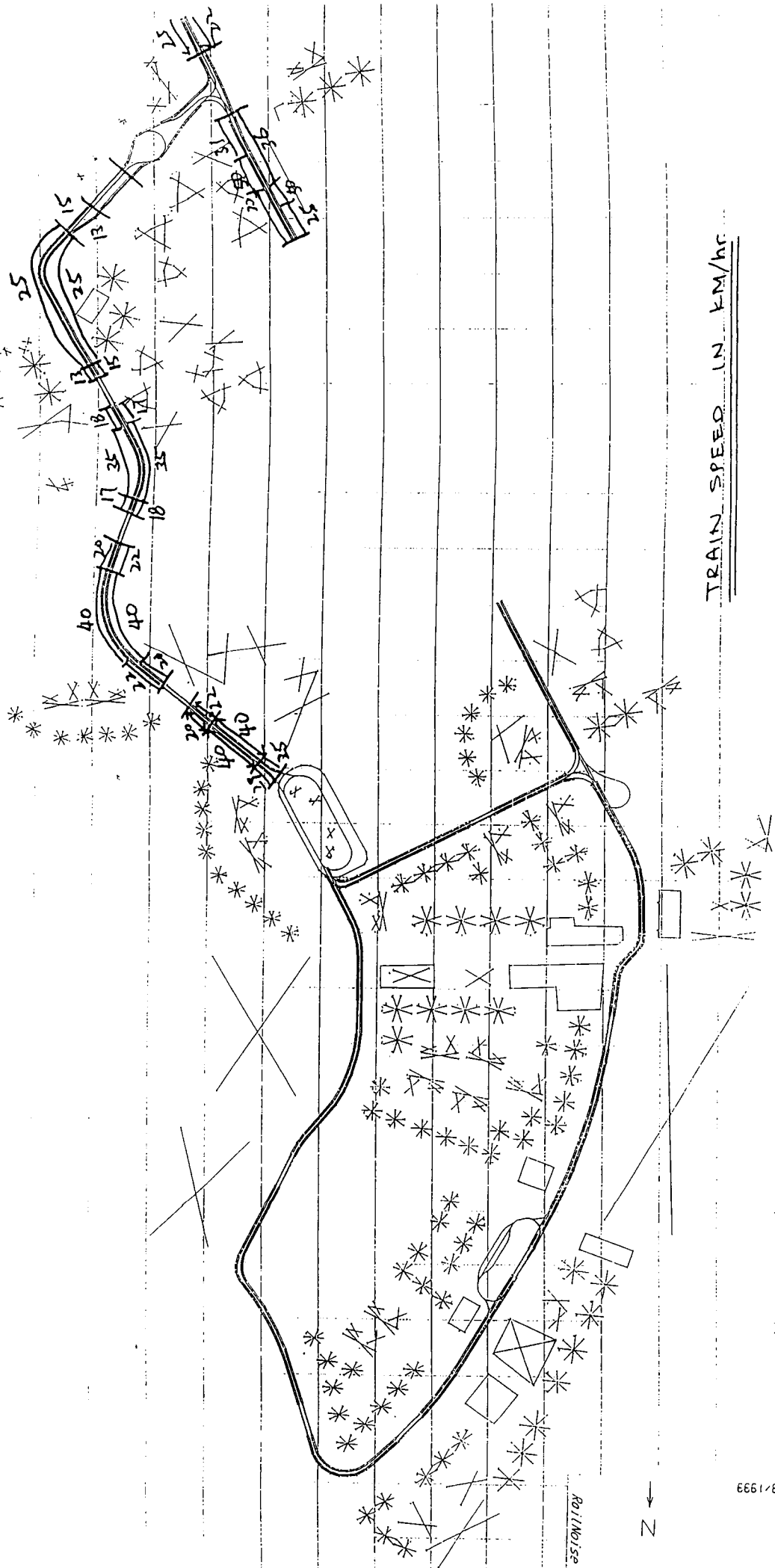
DATE: 11/05/00

ANNEX G



TRAIN SPEED IN KM/Hr

ANNEX I



TRAIN SPEED IN KM/Hr

Rail/Noise

→ N

Scale 1 : 7000.0 14:44:47 11/08/1939

In Sheet No 1

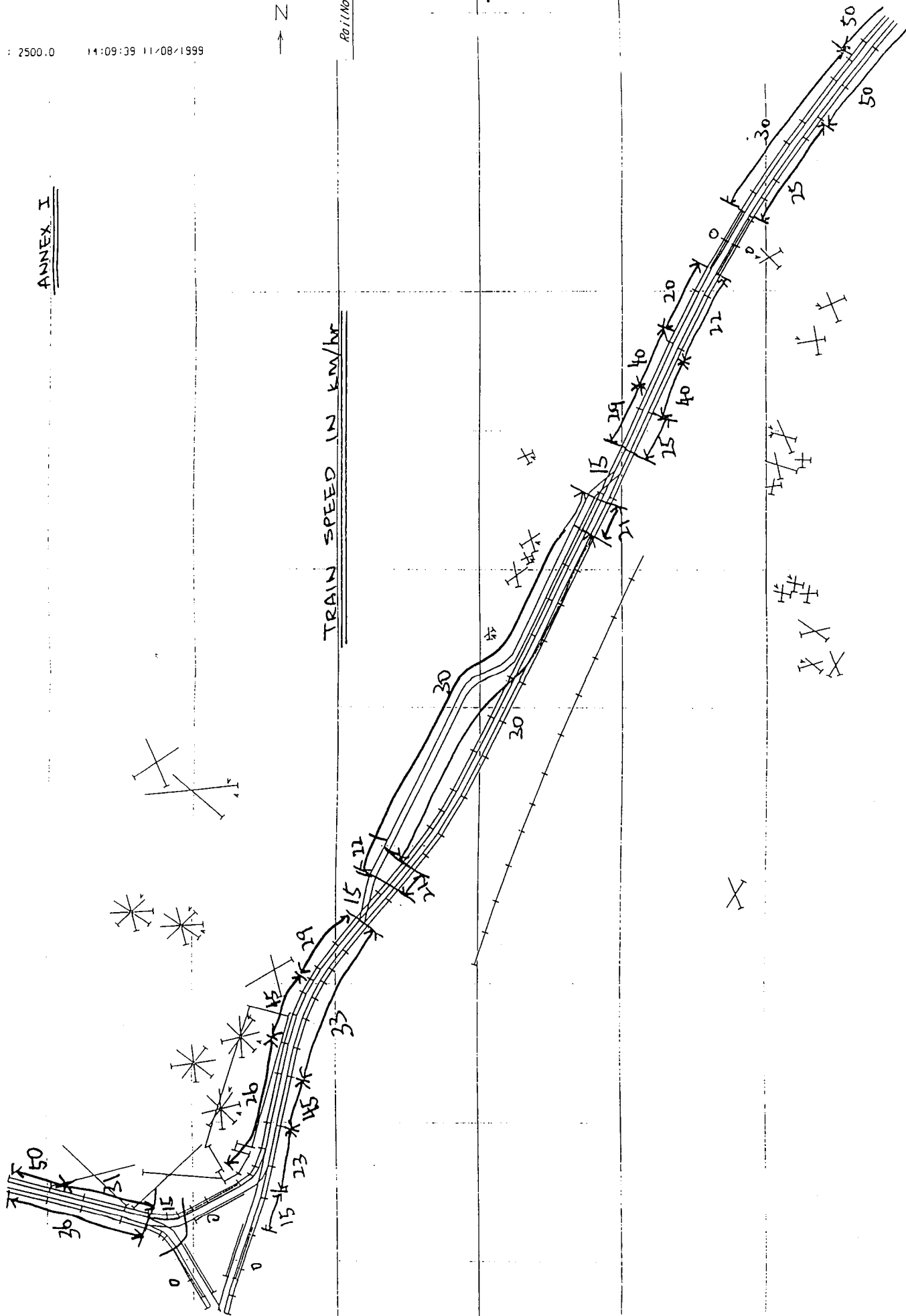


Rail Noise

Before 2003

ANNEX I

TRAIN SPEED IN KM/H



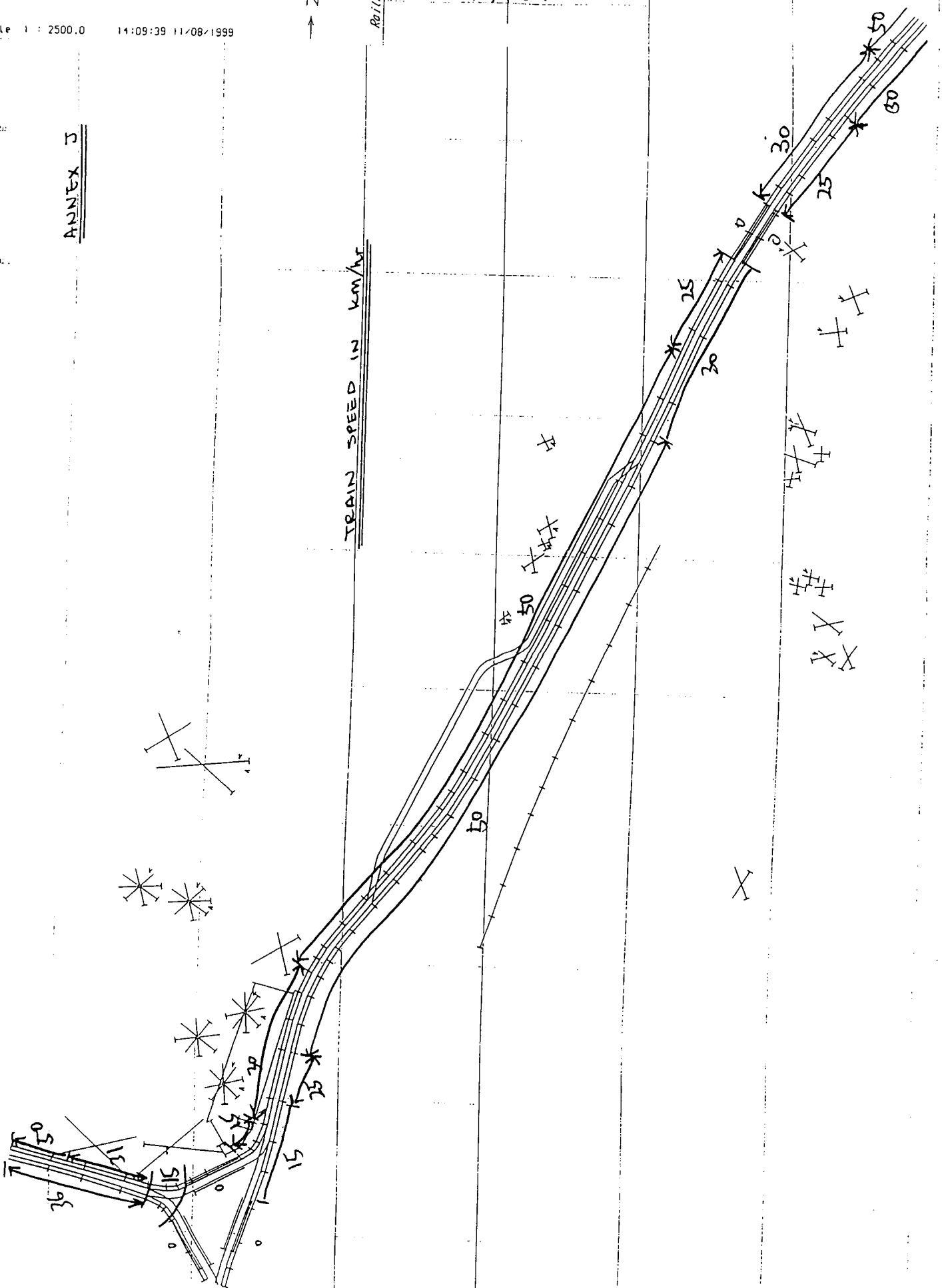


Rei/Noise

After 2003

ANNEX 3

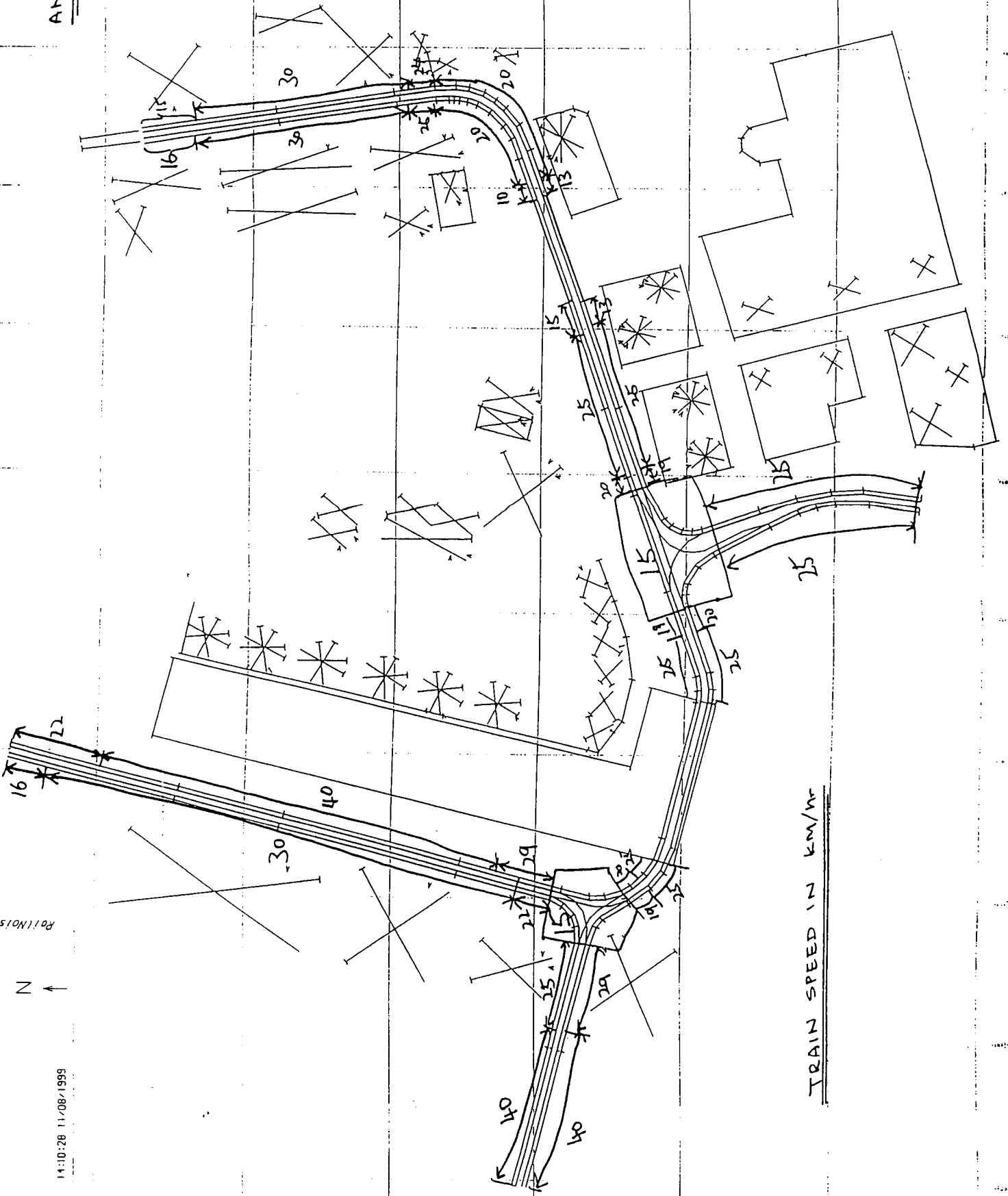
TRAIN SPEED IN KM/Hr





Roll Noise

ANNEX K



TRAIN SPEED IN KM/hr

APPENDIX 5 – Updated Noise Calculations from West Rail (with 12-car trains)

West Rail - Modelling Locations, Representative NSRs and Results (12 car Train)

Modeling Location	No. in Annex A	Reference	Existing (m)	Northing (m)	Level (m)	Drain (m)	Max. Building Height (m)	ASR Criterium (Leq, 30min dB(A))	Description	Horizontal Distance to Nearest Track (m)
17/1	no/NSR	B15268	82825.4	12.4	88	88	88	55	Tai Hong Garden	150.8
17/2	17/49	B15268	82825.4	12.4	88	88	88	55	Tai Hong Garden	150.8
17/3	17/49	B15268	82825.4	12.4	88	88	88	55	Tai Hong Garden	150.8
17/4	17/49	B15268	82825.4	12.4	88	88	88	55	Tai Hong Garden	150.8
17/5	18/50	B15304	828936.9	8.5	20	20	20	60	Gov. Office - No1 NSR	122.5
18	18/52	B15579	828951.7	9	14	14	14	60	Tuen Mun Clinic	89.3
19	18/53	B15545	828957.4	9	14	14	14	60	Tuen Mun Clinic	89.3
20	18/49	B15281	828959.2	12.4	88	88	88	55	Tai Hong Garden	151.8
21	18/49	B15281	828959.2	12.4	88	88	88	55	Tai Hong Garden	151.8
21/1	18/49	B15281	828959.2	12.4	88	88	88	55	Tai Hong Garden	151.8
21/2	18/49	B15281	828959.2	12.4	88	88	88	55	Tai Hong Garden	151.8
22	18/49	B15262.9	828954.4	12.4	88	88	88	55	Tai Hong Garden	182.3
22/1	18/49	B15262.9	828954.4	12.4	88	88	88	55	Tai Hong Garden	182.3
22/2	18/49	B15262.9	828954.4	12.4	88	88	88	55	Tai Hong Garden	182.3
23	18/49	B15688	829149.3	5.3	9	9	9	60	Petrol-station	161.5
24	18/45	B15463.2	829160.8	14	100	100	100	60	Residential Development by Sun Hong Kai	99.3
24/1	18/45	B15463.2	829160.8	14	100	100	100	60	Residential Development by Sun Hong Kai	99.3
24/2	18/45	B15463.2	829160.8	14	100	100	100	60	Residential Development by Sun Hong Kai	99.3
24/3	18/45	B15463.2	829160.8	14	100	100	100	60	Residential Development by Sun Hong Kai	99.3
24/4	18/45	B15463.2	829160.8	14	100	100	100	60	Residential Development by Sun Hong Kai	99.3
25	18/33	B15524.7	829282.6	6.7	110	110	110	60	Affluence Garden	37.7
25/1	18/33	B15524.7	829282.6	6.7	110	110	110	60	Affluence Garden	37.7
25/2	18/33	B15524.7	829282.6	6.7	110	110	110	60	Affluence Garden	37.7
25/3	18/33	B15524.7	829282.6	6.7	110	110	110	60	Affluence Garden	37.7
26	18/33	B15524.7	829282.6	6.7	110	110	110	60	Affluence Garden	37.7
27	18/33	B15544.2	829360.8	10.5	110	110	110	60	Affluence Garden	38.8
27/1	18/33	B15544.2	829360.8	10.5	110	110	110	60	Affluence Garden	38.8
27/2	18/33	B15544.2	829360.8	10.5	110	110	110	60	Affluence Garden	38.8
27/3	18/33	B15544.2	829360.8	10.5	110	110	110	60	Affluence Garden	38.8
28	18/33	B15578.8	829382.6	6.7	110	110	110	60	Pre-occupational school	91.9
28/1	18/33	B15578.8	829382.6	6.7	110	110	110	60	Pre-occupational school	91.9
28/2	18/33	B15578.8	829382.6	6.7	110	110	110	60	Pre-occupational school	91.9
28/3	18/33	B15578.8	829382.6	6.7	110	110	110	60	Pre-occupational school	91.9
28/4	18/33	B15578.8	829382.6	6.7	110	110	110	60	Pre-occupational school	91.9
29	18/33	B15587.8	829403	6.7	110	110	110	60	Affluence Garden	44.3
29/1	18/33	B15587.8	829403	6.7	110	110	110	60	Affluence Garden	44.3
29/2	18/33	B15587.8	829403	6.7	110	110	110	60	Affluence Garden	44.3
30	18/33	B15587.8	829403	6.7	110	110	110	60	Affluence Garden	44.3
30/1	18/33	B15587.8	829403	6.7	110	110	110	60	Affluence Garden	44.3
30/2	18/33	B15587.8	829403	6.7	110	110	110	60	Affluence Garden	44.3
31	18/33	B15604.4	829450.3	6.8	75	75	75	60	Staff Quarter (TM Hospital)	26.3

West Rail - Modelling Locations, Representative NSRs and Results (12 car Train)

Modeling Location	No. in Annex A	Reference	Existing (m)	Northing (m)	Level (m)	Drain (m)	Max. Building Height (m)	ASR Criterium (Leq, 30min dB(A))	Description	Horizontal Distance to Nearest Track (m)
31/1	18/33	B15604.4	829450.3	6.8	75	75	75	60	Staff Quarter (TM Hospital)	26.3
31/2	18/33	B15604.4	829450.3	6.8	75	75	75	60	Staff Quarter (TM Hospital)	26.3
31/3	18/33	B15604.4	829450.3	6.8	75	75	75	60	Staff Quarter (TM Hospital)	26.3
32	18/33	B15631.6	829663.3	6.8	30	30	30	60	Tuen Mun Hospital	29.6
33	17/27	B15657.2	829753	8.2	40	40	40	60	Tuen Mun Hospital	167.0
34	17/26	B15904.7	829827	13.1	40	40	40	60	Brilliant Garden	167.0
35	17/26	B15904.7	829827	13.1	40	40	40	60	Brilliant Garden	167.0
35/1	17/26	B15904.7	829827	13.1	40	40	40	60	Brilliant Garden	167.0
35/2	17/26	B15904.7	829827	13.1	40	40	40	60	Brilliant Garden	167.0
36	17/26	B15918	829853.9	9.1	40	40	40	60	Brilliant Garden	166.2
36/1	17/26	B15918	829853.9	9.1	40	40	40	60	Brilliant Garden	166.2
37	17/25	B15732.5	830048.9	12.5	9	9	9	60	Village House	104.6
38	17/22	B15945.9	830050.7	5.5	25	25	25	60	Staff Quarter (TM Hospital)	91.0
39	17/18	B15737.3	830111.2	8	79.6	79.6	79.6	60	Siu Hong Court	91.0
39/1	17/18	B15737.3	830111.2	8	79.6	79.6	79.6	60	Siu Hong Court	91.0
39/2	17/18	B15737.3	830111.2	8	79.6	79.6	79.6	60	Siu Hong Court	91.0
40	17/18	B16008.2	830117.5	9.6	4	4	4	60	Village House	79.7
41	17/18	B15763.7	830155	8	79.6	79.6	79.6	60	Siu Hong Court	79.7
41/1	17/18	B15763.7	830155	8	79.6	79.6	79.6	60	Siu Hong Court	79.7
41/2	17/18	B15763.7	830155	8	79.6	79.6	79.6	60	Siu Hong Court	79.7
42	17/18	B16022.2	830191.9	8	79.6	79.6	79.6	60	Residential uses in Tu Tei	80.3
43	17/18	B15774.6	830196.5	12	90	90	90	60	Siu Hong Court	80.3
43/1	17/18	B15774.6	830196.5	12	90	90	90	60	Siu Hong Court	80.3
43/2	17/18	B15774.6	830196.5	12	90	90	90	60	Siu Hong Court	80.3
44	17/18	B15774.6	830196.5	12	90	90	90	60	Siu Hong Court	80.3
44/1	17/18	B15774.6	830196.5	12	90	90	90	60	Siu Hong Court	80.3
44/2	17/18	B15774.6	830196.5	12	90	90	90	60	Siu Hong Court	80.3
45	17/16	B16029.1	830289.1	10.8	6	6	6	60	WSD Quarter	109.7
46	17/14	B16071.2	830357.7	7.6	15	15	15	60	Village House	133.9
47	17/15	B16012.5	830394.4	15	10	10	10	60	Village House	142.0
48	17/13	B15833.1	830406.3	8	79.6	79.6	79.6	60	Siu Hong Court	82.3
48/1	17/13	B15833.1	830406.3	8	79.6	79.6	79.6	60	Siu Hong Court	82.3
48/2	17/13	B15833.1	830406.3	8	79.6	79.6	79.6	60	Siu Hong Court	82.3
49	17/13	B16034.1	830427.5	15	10	10	10	60	Village House	82.3
50	17/13	B15842	830451.7	7	79.6	79.6	79.6	60	Siu Hong Court	82.3
50/1	17/13	B15842	830451.7	7	79.6	79.6	79.6	60	Siu Hong Court	82.3
50/2	17/13	B15842	830451.7	7	79.6	79.6	79.6	60	Siu Hong Court	82.3
51	17/13	B15867	830502	10	10	10	10	60	Village House	139.0
52	17/13	B15807.1	830538	8	79.6	79.6	79.6	60	Siu Hong Court	139.0
52/1	17/13	B15807.1	830538	8	79.6	79.6	79.6	60	Siu Hong Court	139.0
52/2	17/13	B15807.1	830538	8	79.6	79.6	79.6	60	Siu Hong Court	139.0
53	17/12	B16032.6	830622.6	12.7	25	25	25	60	Y.T.M College	150.5
54	17/12	B15828.2	830632.6	12.7	25	25	25	60	Village House (San Hing Tsuen)	192.7
55	17/12	B15828.2	830632.6	12.7	25	25	25	60	Village House (San Hing Tsuen)	192.7
56	17/12	B16031.7	830794.2	7	3	3	3	60	Village House (San Hing Tsuen)	34.6

Annex D
West Rail - Modelling Locations, Representative NSRs and Results (LAeq, 30min - Night-time) for Design Year (12 car Train)

Table with columns: Modelling Location No., Reference No. in Annex A (Fig. no./NSR), Easting (m), Northing (m), Datum Level (m), Max. Building Height (m), ASR, Criterion (LAeq, 30min dB(A)), Description, Horizontal Distance to Nearest Track (m), Structure-Borne, Leq, Multi-Plenum System (MPS) (Inboard, Total, Outboard, Inboard, Total, MPS + Additional Barriers), and Barriers (Inboard, Total).

Table with columns: Modelling Location No., Reference No. in Annex A (Fig. no./NSR), Easting (m), Northing (m), Datum Level (m), Max. Building Height (m), ASR, Criterion (LAeq, 30min dB(A)), Description, Horizontal Distance to Nearest Track (m), Structure-Borne, Leq, Multi-Plenum System (MPS) (Inboard, Total, Outboard, Inboard, Total, MPS + Additional Barriers), and Barriers (Inboard, Total).

APPENDIX 6 – Normal, Abnormal & Emergency Operations for LRT

Mem (c) & (d)



MEMO

From QSM-L
 Ref in LOS/114/006
 Tel. No. 2468 7686
 Date 30 June, 1999

To PM-L
 Your Ref. in
 dated

LRT Projects - Environmental Impact Assessment

Attached please find the noise assessment reports for rectifier stations.

2. Currently we do not have the definitions of normal, abnormal, transient and emergency operations in an explicit manner. However, to enhance our EMS, the following definitions will be proposed to LR management:-


a. Normal operation
 The day-to-day operations without any interruption causing service delay.

b. Abnormal operation
 The planned or expected event / happening which is not day-to-day or infrequent nature (e.g. engineering or operational adjustment catering for extended LRV services) or incidents resulting in service disruption less than 20 minutes.

c. Emergency operation
 An unexpected occurrence which has environmental impact (e.g. spillage of chemical) or major incident as defined in the Procedure Manual for Contingencies.

4. Should you require further information, please contact me.

AS/ac


 (Anthony Sun)
 Quality and Safety Manager

PROJECT MANAGER	
DATE 30 JUN 1999	
SPM	ACT BRG CCM/PAE
PS	
PRELIS	
PRCH	
FILE	
STING	
DRV	
PA/LA	
FILE	

APPENDIX 7 – Predicted Cumulative Train Noise Impacts

Project : LRT Alterations EIA
 Title : Predicted Cumulative Impacts for Pui To Road & Lam Tei Temporary Diversion - Up to 2003
 Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)				Compliance
			LRT	WR (12-years)	Overall	Criterion, dB(A)	
N50	Tuen Mun Town Plaza (Block 1)	1	48	40	49	55	Yes
		5	48	40	48	55	Yes
		10	47	40	48	55	Yes
		15	47	40	47	55	Yes
		20	46	40	47	55	Yes
		25	45	40	47	55	Yes
		30	45	40	46	55	Yes
		35	45	40	46	55	Yes
		40	44	40	46	55	Yes
		44	44	40	46	55	Yes
N45	Castle Peak Catholic Primary School	1	50	40	50	65	Yes
		4	50	40	50	65	Yes
		7	49	40	50	65	Yes
		1	51	40	51	55	Yes
		5	50	40	50	55	Yes
		10	49	40	50	55	Yes
		15	48	40	49	55	Yes
N48	Kam Wah Garden (Western Block)	20	48	40	48	55	Yes
		25	47	40	48	55	Yes
		30	47	40	47	55	Yes
		35	46	40	47	55	Yes
		40	46	40	47	55	Yes
		1	55	47	56	60	Yes
		2	55	47	56	60	Yes
N70	2-storey temporary house	1	55	47	56	60	Yes
		2	55	47	56	60	Yes

Note (1) Daytime noise criterion for school is 65dB(A) with ASR "B"

Project : LRT Alterations EIA
 Title : Predicted Cumulative Impacts for Tin Shui Wai Reserve Zone - Up to 2011
 Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)				Compliance
			LRT	WR (12-car train)	Overall	Criterion, dB(A)	
N98	Tin Shui Estate Shui Shing House	1	48	-	48	55	Yes
		10	47	-	47	55	Yes
		20	45	-	45	55	Yes
		30	44	-	44	55	Yes
N113	TSW Area 31 Phase 2	1	47	-	47	55	Yes
		10	47	-	47	55	Yes
		20	46	-	46	55	Yes
		30	45	-	45	55	Yes
N120	TSW Area 31 Phase 2 Primary School (Hall)	1	56	-	56	65	Yes
		3	56	-	56	65	Yes
		5	56	-	56	65	Yes
		1	51	-	51	55	Yes
N122	TSW Area 102 Block 2	10	50	-	50	55	Yes
		20	49	-	49	55	Yes
		30	47	-	47	55	Yes
		40	46	-	46	55	Yes
N124	TSW Area 102 Block 6	1	50	-	50	55	Yes
		10	50	-	50	55	Yes
		20	49	-	49	55	Yes
		30	49	-	49	55	Yes
N137	TSW Area 110 Phase 2	1	50	-	50	55	Yes
		10	49	-	49	55	Yes
		20	48	-	48	55	Yes
		30	47	-	47	55	Yes
N139	TSW Area 106 Phase 2 Block 1	1	50	-	50	55	Yes
		10	50	-	50	55	Yes
		20	50	-	50	55	Yes
		30	49	-	49	55	Yes
N140	TSW Area 106 Phase 2 Block 6	1	47	-	47	55	Yes
		10	47	-	47	55	Yes
		20	46	-	46	55	Yes
		30	45	-	45	55	Yes
N141	TSW Area 106 Phase 1 Block 9	1	50	-	50	55	Yes
		10	50	-	50	55	Yes
		20	49	-	49	55	Yes
		30	48	-	48	55	Yes
N142	TSW Area 106 Phase 1 Block 8	1	47	-	47	55	Yes
		10	47	-	47	55	Yes
		20	47	-	47	55	Yes
		30	46	-	46	55	Yes
N143	TSW Area 106 Phase 2 Block 2	1	49	-	49	55	Yes
		10	49	-	49	55	Yes
		20	49	-	49	55	Yes
		30	48	-	48	55	Yes
N147	TSW Area 110 Phase 1	1	48	-	48	55	Yes
		10	48	-	48	55	Yes
		20	47	-	47	55	Yes
		30	47	-	47	55	Yes
N141	TSW Area 103 Setback 15m from site boundary	1	53	-	53	55	Yes

Project : LRT Alterations EIA
 Title : Predicted Cumulative Impacts for Tin Shui Wai Reserve Zone - Up to 2011
 Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)				Compliance
			LRT	WR (12-cars train)	Overall	Criterion, dB(A)	
		20	51	-	51	55	Yes
		40	49	-	49	55	Yes
NR2	TSW Area 108 Setback 15m from site boundary	1	52	-	52	55	Yes
		20	49	-	49	55	Yes
		40	47	-	47	55	Yes
N116	TSW Area 31 Phase 1 Primary School	1	53	-	53	65	Yes
		3	53	-	53	65	Yes
		5	53	-	53	65	Yes
M105	TSW Area 31 Phase 1 Block 1	1	54	-	54	55	Yes
		10	54	-	54	55	Yes
		20	53	-	53	55	Yes
		30	52	-	52	55	Yes
		40	52	-	52	55	Yes
N115	TSW Area 30 Block 4	1	54	-	54	55	Yes
		10	54	-	54	55	Yes
		20	53	-	53	55	Yes
		30	51	-	51	55	Yes
		40	51	-	51	55	Yes
N123	TSW Area 102 Block 4	1	53	-	53	55	Yes
		10	52	-	52	55	Yes
		20	51	-	51	55	Yes
		30	49	-	49	55	Yes
		40	48	-	48	55	Yes
N127	TSW Area 102 Block 15	1	52	-	52	55	Yes
		10	51	-	51	55	Yes
		20	50	-	50	55	Yes
		30	49	-	49	55	Yes
		40	48	-	48	55	Yes
N138	TSW Area 110 Phase 2	1	49	-	49	55	Yes
		10	48	-	48	55	Yes
		20	47	-	47	55	Yes
		30	46	-	46	55	Yes
		40	45	-	45	55	Yes
N130	TSW Area 102 Block 18	1	46	-	46	55	Yes
		10	45	-	45	55	Yes
		20	44	-	44	55	Yes
		30	43	-	43	55	Yes
		40	42	-	42	55	Yes
N149	TSW Area 111 Block 1	1	52	-	52	55	Yes
		10	51	-	51	55	Yes
		20	50	-	50	55	Yes
		30	48	-	48	55	Yes
		40	47	-	47	55	Yes
N151	TSW Area 111 Block 5	1	51	-	51	55	Yes
		10	51	-	51	55	Yes
		20	49	-	49	55	Yes
		30	48	-	48	55	Yes
		40	47	-	47	55	Yes
N153	TSW Area 111 Block 9	1	51	-	51	55	Yes
		10	51	-	51	55	Yes
		20	49	-	49	55	Yes
		30	48	-	48	55	Yes
		40	47	-	47	55	Yes
N89	TSW Area 105 Block 5	1	48	-	48	55	Yes
		10	47	-	47	55	Yes
		20	46	-	46	55	Yes
		30	45	-	45	55	Yes
		40	44	-	44	55	Yes
N109	TSW Area 31 Phase 1 Block 6	1	48	-	48	55	Yes

Project : LRT Alterations EIA
 Title : Predicted Cumulative Impacts for Tin Shui Wai Reserve Zone - Up to 2011
 Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)				Criterion, dB(A)	Compliance
			LRT	WR (12-cars train)	Overall			
		10	47	-	47	55	Yes	
		20	46	-	46	55	Yes	
		30	45	-	45	55	Yes	
		40	45	-	45	55	Yes	
N155	TSW Area 30 Kindergarten on 3/F	3	54	-	54	65	Yes	

(1) Daytime noise criterion for school is 65dB(A) with ASR "B"

Project : LRT Alterations EIA
 Title : Predicted Cumulative Impacts for Pui To Road Areas - Up to 2011
 Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)				Compliance
			LRT	WR (12-cars train)	Overall	Criterion, dB(A)	
N42	Fire Station	1	52	49	54	60	Yes
		5	52	49	54	60	Yes
		10	51	49	53	60	Yes
		1	49	40	50	65	Yes
		4	49	40	50	65	Yes
N46	Top Court	7	49	40	50	65	Yes
		1	47	40	48	55	Yes
		5	47	40	48	55	Yes
		10	47	40	48	55	Yes
		15	47	40	48	55	Yes
N47	Man Shing Building	1	49	40	50	55	Yes
		5	49	40	50	55	Yes
		10	49	40	49	55	Yes
		15	48	40	49	55	Yes
		5	48	40	49	55	Yes
N48	Kam Wah Garden (Western Block)	10	47	40	48	55	Yes
		15	47	40	48	55	Yes
		20	46	40	47	55	Yes
		25	45	40	47	55	Yes
		30	45	40	46	55	Yes
N49	Kam Wah Garden (Eastern Block)	35	44	40	46	55	Yes
		40	44	40	45	55	Yes
		1	49	40	49	55	Yes
		5	48	40	49	55	Yes
		10	48	40	48	55	Yes
		15	47	40	48	55	Yes
		20	46	40	47	55	Yes
		25	46	40	47	55	Yes
		30	45	40	46	55	Yes
		35	45	40	46	55	Yes
N50	Tuen Mun Town Plaza (Block 1)	40	44	40	46	55	Yes
		1	46	40	47	55	Yes
		5	46	40	47	55	Yes
		10	45	40	46	55	Yes
		15	43	40	45	55	Yes
		20	42	40	44	55	Yes
		25	41	40	44	55	Yes
		30	41	40	43	55	Yes
		35	40	40	43	55	Yes
		40	39	40	43	55	Yes
N51	Tuen Mun Town Plaza (Block 2)	1	41	40	43	55	Yes
		5	40	40	43	55	Yes
		10	40	40	43	55	Yes
		15	39	40	42	55	Yes
		20	39	40	42	55	Yes
		25	38	40	42	55	Yes
		30	37	40	42	55	Yes
		35	37	40	42	55	Yes
		40	36	40	42	55	Yes
		1	42	40	44	55	Yes
N52	Hung Tai Building	5	42	40	44	55	Yes
		10	42	40	44	55	Yes
		15	45	40	46	65	Yes
		1	48	40	49	55	Yes
		5	48	40	48	55	Yes
N53	Sun Beauty Kindergarten (G/F of Sun Court)	1	45	40	44	55	Yes
		1	45	40	46	65	Yes
N54	Kar Wah Building	1	48	40	49	55	Yes
		5	48	40	48	55	Yes

Project : LRT Alterations EIA
 Title : Predicted Cumulative Impacts for Pui To Road Areas - Up to 2011
 Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)					Compliance
			LRT	WR (12-cars train)	Overall	Criterion, dB(A)		
		10	47	40	48	55	Yes	
		15	46	40	47	55	Yes	
		47	46	40	47	55	Yes	
N55	Tuen Mun Town Plaza (Block 8)	1	49	40	49	55	Yes	
		5	48	40	48	55	Yes	
		10	46	40	47	55	Yes	
		15	45	40	46	55	Yes	
		20	44	40	46	55	Yes	
		25	44	40	45	55	Yes	
		30	43	40	45	55	Yes	
		35	42	40	44	55	Yes	
		40	42	40	44	55	Yes	
N56	Low-rise residential block	1	46	40	47	55	Yes	
		5	46	40	47	55	Yes	
N57	The Trend Plaza Block A	1	50	40	50	55	Yes	
		5	50	40	50	55	Yes	
		10	49	40	50	55	Yes	
		15	49	40	50	55	Yes	
		20	49	40	49	55	Yes	
		25	48	40	49	55	Yes	
		30	48	40	49	55	Yes	
		35	48	40	48	55	Yes	
		40	47	40	48	55	Yes	
N82	Tuen Mun Station PDS 221 Topside Development	1	53	51	55	60	Yes	
		5	52	51	55	60	Yes	
		10	52	51	54	60	Yes	
		15	51	51	54	60	Yes	
		20	50	51	54	60	Yes	
		25	50	51	53	60	Yes	
		30	49	51	53	60	Yes	
		35	49	51	53	60	Yes	
		40	48	51	53	60	Yes	
N83	Tuen Mun Station PDS 221 Topside Development	1	52	51	55	60	Yes	
		5	52	51	55	60	Yes	
		10	51	51	54	60	Yes	
		15	51	51	54	60	Yes	
		20	50	51	54	60	Yes	
		25	49	51	53	60	Yes	
		30	49	51	53	60	Yes	
		35	48	51	53	60	Yes	
		40	48	51	53	60	Yes	
N85	Tuen Mun Station PDS 221 Topside Development	1	52	51	55	60	Yes	
		5	52	51	55	60	Yes	
		10	52	51	54	60	Yes	
		15	52	51	54	60	Yes	
		20	51	51	54	60	Yes	
		25	51	51	54	60	Yes	
		30	51	51	54	60	Yes	
		35	51	51	54	60	Yes	
		40	50	51	54	60	Yes	
N87	Tuen Mun Station PDS 221 Topside Development	1	49	51	53	60	Yes	
		5	49	51	53	60	Yes	
		10	49	51	53	60	Yes	
		15	49	51	53	60	Yes	
		20	49	51	53	60	Yes	
		25	48	51	53	60	Yes	
		30	48	51	53	60	Yes	

Project : LRT Alterations EIA
Title : Predicted Cumulative Impacts for Pui To Road Areas - Up to 2011
Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)			Compliance	
			LRT	WR (12-cars train)	Overall		
		35	48	51	53	60	Yes
		40	47	51	53	60	Yes

Note: (1) Daytime noise criterion for school is 65dB(A) with ASR "B"

Project : LRT Alterations E/A
 Title : Predicted Cumulative Impacts for Lam Tei - Up to 2011
 Date : 11-Nov-99

NSR No.	Description	Floor Level	Predicted Noise Levels, dB(A)					Compliance
			LRT	WR (12-cars train)	Overall	Criterion, dB(A)		
N64	2-storeys residential house	1	53	49	55	60	Yes	
		2	53	49	55	60	Yes	
N65	1-storey residential house	1	53	47	54	60	Yes	
N66	Care Home for the Elderly	1	51	43	51	60	Yes	
		2	51	43	51	60	Yes	
N67	Care Home for the Elderly	1	51	43	51	60	Yes	
		2	51	43	51	60	Yes	
N68	2-storeys residential house	1	49	43	50	60	Yes	
		2	49	43	50	60	Yes	
N69	2-storeys residential house	1	48	47	51	60	Yes	
		2	48	47	51	60	Yes	
N70	2-storey temporary house	1	43	47	49	60	Yes	
		2	43	47	49	60	Yes	
N71	1-storey residential house	1	44	47	49	60	Yes	
N73	Yau Tze Tin Memorial College	1	53	46	54	70	Yes	
		4	53	46	54	70	Yes	
		7	53	46	54	70	Yes	

Note: (1) Daytime noise criterion for school is 70dB(A) with ASR °C

APPENDIX 8 – Not Used

APPENDIX 9 – Fixed Plant Noise Assessment

Project : LRT Alteration EIA
 Title : Assessment of Fixed Plant Noise Impacts
 Date : 09-Sep-99

Prediction of Transformer Noise Impacts - TIS Reserve Zone

SPL dB(A)	Measured Data		NSR	Dist m	No of TX	Dist dB(A)	No of TX dB(A)	Correction				SPL dB(A)
	Dist m	No of TX						Tonality dB(A)	Screening dB(A)	Façade dB(A)		
66	2	2	N89	100	4	-34	3	3	0	3	41	
66	2	2	N140	50	4	-28	3	3	0	3	47	

Noise source - Rectifier Station R16
 N89 - Block 5 in TIS Reserve Zone Area 105 (see dwg GSA021/04/D02/003)
 N140 - Block 6 in TIS Reserve Zone Area 106, Phase 1 (see dwg GSA021/04/D02/004)

APPENDIX 10 – Separation Distance of NSRs to Construction Sites

LRT Alterations EIA LRT Extension in Tin Shui Wai Reserve Zone and Grade Separation of the LRT with Pui To Road and Tsing Lun Road in Tuen Mun - Construction Noise Assessment
 Details of Separation Distances

Site Area	NSR	Description	Notional (1) source distance to NSR (m)	Daytime Construction Noise Criteria, dB(A)	Major Construction Works	NSR Building Height [2]	
Pui To Road Grade Separation	N46	Top Court	50	73 [4]	LRT elevation	M	
	N47	Man Shing Building	40	73 [4]	LRT elevation	M	
	N48	Kam Wah Garden Block 1	35	73 [4]	LRT elevation	H	
	N49	Kam Wah Garden Block 2	40	73 [4]	LRT elevation	H	
	N50	Tuen Mun Town Plaza Block 1	20	73 [4]	LRT elevation	H	
	N51	Tuen Mun Town Plaza Block 2	45	73 [4]	LRT elevation	H	
	N53	Sun Court Podium	35	73 [4]	LRT elevation	M	
	N55	Tuen Mun Town Plaza Block 8	30	73 [4]	LRT elevation	H	
	N200	San Fat Estate	40	73 [4]	LRT elevation	H	
	N64	2-storey residential house	100	75	LRT elevation	L	
	N65	3-storey residential house	50	75	LRT elevation	L	
	N66	Care Home for the Elderly	130	75	LRT elevation	L	
	N68	2-storey residential house	170	75	LRT elevation	L	
	N69	2-storey residential house	25	75	LRT elevation	L	
	N71	1-storey residential house	25	75	LRT elevation	L	
L11 Grade Separation	N72	2-storey residential house	190	75	LRT elevation	L	
	N73	You Tze Tin Memorial College	120	70	LRT elevation	L	
	N74	Siu Tai House	90	75	LRT elevation	H	
	N76	Siu Ping House	65	75	LRT elevation	H	
	Tin Shui Wai Reserve Zone Extension	N35	Shap Pat Heung Rural Committee Kung Yik She Secondary School	90	70 [3]	LRT at grade	L
		N38	Lynwood Court Block 10	90	75	LRT at grade	H
		N89	Tin Shui Wai Area 105 Phase 2 Block 5 (to be occupied)	50	75	LRT at grade	H
		N106	Tin Shui Wai Area 31 Phase 1 Block 2 (to be occupied)	70	75	LRT at grade	H
		N107	Tin Shui Wai Area 31 Phase 1 Block 3 (to be occupied)	65	75	LRT at grade	H
		N115	Tin Shui Wai Area 30 Block 4 (to be occupied)	50	75	LRT at grade	H
		N118	Tin Shui Wai Area 31 Phase 1 Primary School (to be occupied)	45	70 [3]	LRT at grade	L
		N120	Tin Shui Wai Area 31 Phase 2 Primary School (to be occupied)	20	70 [3]	LRT at grade	L
		N123	Tin Shui Wai Area 102 Phase 1 Block 4 (to be occupied)	30	75	LRT at grade	H
		N129	Tin Shui Wai Area 102 Phase 5 Block 17 (to be occupied)	30	75	LRT at grade	H
		N137	Tin Shui Wai Area 110 Phase 2 Block 11	40	75	LRT at grade	H
N138		Tin Shui Wai Area 110 Phase 2 Block 10	55	75	LRT at grade	H	
N155		Tin Shui Wai Area 30 Phase 1 Block 6 Domestic (4/F - 6/F)	25	75	LRT at grade	M	
N155a		Tin Shui Wai Area 30 Phase 1 Block 6 Kindergarten (3/F)	25	70	LRT at grade	L	

Remarks:

- * Basic daytime construction noise criterion is 75 dB(A), unless otherwise specified.
- [1] Notional distance is determined in accordance with TM-CW. For construction site of linear shape, dominant portion is defined having a length to width ratio of 5:1.
- [2] NSR building height has been categorized as follows: (a) Type L for no. of floor <10; (b) Type M for floor between 10-20 and (c) Type H for no. of floor >20.
- [3] Basic noise criterion of 70 dB(A) for school and 65 dB(A) during examination period.
- [4] Cumulative noise impact of -2 dB(A) from West Rail construction works is applied to the basic noise criteria for these overlapping NSRs.

APPENDIX 11 – Construction Plant Inventory and Construction Schedule

LRT Alterations EIA LRT Extension in Tin Shui Wai Reserve Zone and Grade Separation of the LRT with Pui To Road and Tsing Lun Road in Tuen Mun - Construction Noise Assessment
 Sound Power Levels of Equipment
 Construction Period: March 2001 to November 2003

Activity No.	Activity	PME	TM Identification	Unit	SWL	Sum SWL	Duration (months)
B Pui To Road Grade Separation							
B1	Site clearance	Excavator/loader Dump Truck Lorry Air Compressor	CNP081 CNP067 CNP141 CNP003	2 1 1 1	112 117 117 95	115 117 117 95 121	12
B2	Piling	Piling, reverse circulation drill Concrete Lorry Mixer Poker Vibrator Lorry Bar Bender	CNP166 CNP044 CNP170 CNP141 CNP021	2 2 4 1 1	100 109 113 117 90	103 112 119 117 90 122	24
B3	Pile Cap Construction	Excavator/loader Concrete Lorry Mixer Poker Vibrator Lorry Bar Bender	CNP081 CNP044 CNP170 CNP141 CNP021	2 2 4 1 1	112 109 113 117 90	115 112 119 117 90 122	18
B4	Backfilling	Excavator/loader Lorry Roller, vibratory	CNP081 CNP141 CNP185	1 1 1	112 117 108	112 117 108 119	6
B5	Column Construction	Concrete Lorry Mixer Poker Vibrator Mobile Crane Lorry Bar Bender	CNP044 CNP170 CNP048 CNP141 CNP021	2 4 1 1 1	109 113 112 117 90	112 119 112 117 90 122	18
B6	Superstructure Construction	Concrete Lorry Mixer Poker Vibrator Mobile Crane Stressing rig * Lorry Bar Bender	CNP044 CNP170 CNP048 CNP141 CNP021	2 4 1 1 1 1	109 113 112 110 117 108	112 119 112 110 117 108 120	18
B7	Track Laying	Mobile Crane Dump Truck Excavator Tamping Machine # Roller, vibratory	CNP048 CNP067 CNP081 CNP185	2 1 1 1 1	112 117 112 103 108	115 117 112 103 108 120	12
B8	Installation of Overhead Line Cable	Mobile Crane Lorry	CNP048 CNP141	1 1	112 117	112 117 118	12
B9	Site Reinstatement	Excavator Lorry Breaker, hand-held, mass<20kg Concrete Lorry Mixer Poker Vibrator	CNP081 CNP141 CNP024 CNP044 CNP170	1 1 2 1 2	112 117 108 109 113	112 117 111 109 116 121	1
B10	Road Reinstatement	Road planer Asphalt paver Road roller	CNP184 CNP004 CNP185	1 1 1	111 109 108	111 109 108 114	1

LRT Alterations EIA LRT Extension in Tin Shui Wai Reserve Zone and Grade Separation of the LRT with Pui To Road and Tsiang Lun Road in Tuen Mun - Construction Noise Assessment
 Sound Power Levels of Equipment
 Construction Period: March 2001 to November 2003

Activity No.	Activity	PME	TM Identification	Unit	SWL	Sun SWL	Duration (months)
C L1 Grade Separation							
C1	Site Clearance	Excavator/loader	CNP081	1	112	112	6
		Dump Truck	CNP067	1	117	117	
		Lorry	CNP141	1	117	117	
		Total:			121		
C2	Piling	Piling, reverse circulation grill	CNP166	2	100	103	12
		Concrete Lorry Mixer	CNP044	2	109	112	
		Poker Vibrator	CNP170	4	113	119	
		Lorry	CNP141	1	117	117	
		Bar Bender	CNP021	1	90	90	
		Total:			122		
		C3	Pile Cap Construction	Excavator/loader	CNP081	1	
Concrete Lorry Mixer	CNP044			2	109	112	
Poker Vibrator	CNP170			4	113	119	
Lorry	CNP141			1	117	117	
Bar Bender	CNP021			1	90	90	
Total:					119		
C4	Backfilling			Excavator/loader	CNP081	1	112
		Lorry	CNP141	1	117	117	
		Roller, vibratory	CNP186	1	108	108	
		Total:			119		
C5	Column Construction	Concrete Lorry Mixer	CNP044	2	109	112	6
		Poker Vibrator	CNP170	4	113	119	
		Mobile Crane	CNP048	1	112	112	
		Lorry	CNP141	1	117	117	
		Bar Bender	CNP021	1	90	90	
		Total:			122		
		C6	Superstructure Construction	Concrete Lorry Mixer	CNP044	2	
Poker Vibrator	CNP170			4	113	119	
Mobile Crane	CNP048			1	112	112	
Stressing rig*				2	110	113	
Lorry	CNP141			1	117	117	
Bar Bender	CNP021			1	90	90	
Total:					123		
C7	Track Laying (Direct Fixation)	Mobile Crane	CNP048	2	112	115	6
		Dump Truck	CNP067	1	117	117	
		Excavator	CNP081	1	112	112	
		Tamporing Machine #		1	103	103	
		Total:			120		
C8	Installation of Overhead Line Cable	Mobile Crane	CNP048	1	112	112	6
		Lorry	CNP141	1	117	117	
		Total:			118		
C9	Site Reinstatement	Excavator	CNP081	1	112	112	2
		Lorry	CNP141	1	117	117	
		Breaker, hand-held, mass<20kg	CNP024	2	108	111	
		Concrete Lorry Mixer	CNP044	1	109	109	
		Poker Vibrator	CNP170	2	113	116	
		Total:			121		
C10	Road Reinstatement	Road planer	CNP184	1	111	111	1
		Asphalt paver	CNP004	1	109	109	
		Road roller	CNP185	1	108	108	
		Total:			114		

LRT Alterations EIA LRT Extension In Tin Shui Wai Reserve Zone and Grade Separation of the LRT with Pui To Road and Tsing Lun Road in Tuen Mun - Construction Noise Assessment
 Sound Power Levels of Equipment
 Construction Period: March 2001 to November 2003

Tin Shui Wai Reserve Zone Extension							
Activity No.	Activity	PME	TM Identification	Unit	SWL	Sum SWL	Duration (months)
D1	Site Clearance and Formation including laying and tampering of ballast	Excavator/loader	CNP081	3	112	117	12
		Roller, vibratory	CNP186	1	108	108	
		Dump Truck	CNP067	3	117	122	
		Lorry	CNP141	3	117	122	
			Total:			125	
D2	LR Stop Construction	Concrete Lorry Mixer	CNP044	2	109	112	24
		Poker Vibrator	CNP170	4	113	119	
		Lorry	CNP141	1	117	117	
		Bar Bender	CNP021	1	90	90	
			Total:			122	
D3	Backfilling	Excavator/loader	CNP081	1	112	112	6
		Lorry	CNP141	1	117	117	
		Roller, vibratory	CNP186	1	108	108	
			Total:			119	
D4	Track Laying	Mobile Crane	CNP048	2	112	115	12
		Dump Truck	CNP067	1	117	117	
		Excavator	CNP081	1	112	112	
		Tampering Machine #	-	1	103	103	
			Total:			120	
D5	Installation of Overhead Line Cable	Mobile Crane	CNP048	2	112	115	12
		Lorry	CNP141	1	117	117	
			Total:			119	

Remarks: * - SWL is assumed based on TM ref. CNP261 (Winch, pneumatic powered)

- SWL is taken from West Rail Final EIA Report

Tentative Major Completion Dates for Various Contracts that Interface with CC-220

Works	Tin Shui Wai Station	WR Viaduct at Lam Tei	Siu Hong Station	Tuen Mun Station	San Fat LR Stop
Contract CC-	203 ^[1]	211 ¹	212 ¹	213 ¹	213 ¹
Bored Piling	09/06/00	27/09/00	17/02/00	11/12/00	27/04/00
Substructure Construction	05/07/00	15/12/00	13/03/00	18/01/01	20/06/00
Superstructure Construction	19/02/01	09/03/01	03/09/01	11/09/01	02/04/01
					01/04/02
					01/04/02

^[1] Construction completion date.

^[2] Construction start date.

APPENDIX 12 – Sound Power Level of Quiet Equipment

LRT Alterations EIA LRT Extension In Tin Shui Wai Reserve Zone and Grade Separation of the LRT with Pui To Road and Tsing Lun Road in Tuen Mun - Construction Noise Assessment
 Sound Power Levels of Quiet Equipment
 Construction Period: March 2001 to November 2003

Activity No.	Activity	PME	TM Identification	Unit	SWL	Sum SWL	Duration (months)
B Pui To Road Grade Separation							
B1	Site clearance	Excavator/loader Dump Truck Lorry Air Compressor	CNP081 CNP067 CNP141 CNP003	2 1 1 1	106 109 105 95	109 109 105 95	12
					Total:	113	
B2	Piling	Piling, reverse circulation drill Concrete Lorry Mixer Poker Vibrator Lorry Bar Bender	CNP166 CNP044 CNP170 CNP141 CNP021	2 4 4 1 1	100 100 102 105 90	103 103 108 105 90	24
					Total:	111	
B3	Pile Cap Construction	Excavator/loader Concrete Lorry Mixer Poker Vibrator Lorry Bar Bender	CNP081 CNP044 CNP170 CNP141 CNP021	2 2 4 1 1	106 100 102 105 90	109 103 108 105 90	18
					Total:	113	
B4	Backfilling	Excavator/loader Lorry Roller, vibratory	CNP081 CNP141 CNP186	1 1 1	106 105 102	106 105 102	6
					Total:	109	
B5	Column Construction	Concrete Lorry Mixer Poker Vibrator Mobile Crane Lorry Bar Bender	CNP044 CNP170 CNP048 CNP141 CNP021	2 4 1 1 1	100 102 106 105 90	103 108 106 105 90	18
					Total:	112	
B6	Superstructure Construction	Concrete Lorry Mixer Poker Vibrator Mobile Crane Strutting rig Lorry Bar Bender	CNP044 CNP170 CNP048 - CNP141 CNP021	2 4 1 1 1 1	100 102 106 110 105 90	103 108 106 110 105 90	18
					Total:	114	
B7	Track Laying	Mobile Crane Dump Truck Excavator Tamporing Machine # Roller, vibratory	CNP048 CNP067 CNP081 - CNP186	2 1 1 1 1	106 109 106 103 102	109 109 106 103 102	12
					Total:	114	
B8	Installation of Overhead Line Cable	Mobile Crane Lorry	CNP048 CNP141	1 1	106 105	106 105	12
					Total:	109	
B9	Site Reinstatement	Excavator Lorry Breaker, hand-held, mass<20kg Concrete Lorry Mixer Poker Vibrator	CNP081 CNP141 CNP024 CNP044 CNP170	1 1 2 1 2	106 105 108 100 102	106 105 111 100 105	1
					Total:	114	
B10	Road Reinstatement	Road planer Asphalt paver Road roller	CNP184 CNP004 CNP185	1 1 1	111 101 108	111 101 108	1
					Total:	113	

LRT Alterations EIA LRT Extension in Tin Shui Wai Reserve Zone and Grade Separation of the LRT with Pui To Road and Tsing Lun Road in Tuen Mun - Construction Noise Assessment
 Sound Power Levels of Quiet Equipment
 Construction Period: March 2001 to November 2003

Activity No.	Activity	PMSE	TM Identification	Unit	SWL	Sum SWL	Duration (months)
C LTI Grade Separation							
C1	Site Clearance	Excavator/loader	CNP081	1	106	106	6
		Dump Truck	CNP067	1	109	109	
		Lorry	CNP141	1	105	105	
		Total:			112		
C2	Piling	Piling, reverse circulation drill	CNP166	2	100	103	12
		Concrete Lorry Mixer	CNP044	2	100	103	
		Poker Vibrator	CNP170	4	102	108	
		Lorry	CNP141	1	105	105	
		Bar Bender	CNP021	1	90	90	
		Total:			111		
C3	Pile Cap Construction	Excavator/loader	CNP081	1	106	106	6
		Concrete Lorry Mixer	CNP044	2	100	103	
		Poker Vibrator	CNP170	4	102	108	
		Lorry	CNP141	1	105	105	
		Bar Bender	CNP021	1	90	90	
		Total:			112		
C4	Backfilling	Excavator/loader	CNP081	1	106	106	6
		Lorry	CNP141	1	105	105	
		Roller, vibratory	CNP186	1	102	102	
		Total:			109		
C5	Column Construction	Concrete Lorry Mixer	CNP044	2	100	103	6
		Poker Vibrator	CNP170	4	102	108	
		Mobile Crane	CNP048	1	106	106	
		Lorry	CNP141	1	105	105	
		Bar Bender	CNP021	1	90	90	
		Total:			112		
C6	Superstructure Construction	Concrete Lorry Mixer	CNP044	2	100	103	8
		Poker Vibrator	CNP170	4	102	108	
		Mobile Crane	CNP048	1	106	106	
		Steering rig *	-	2	110	113	
		Lorry	CNP141	1	105	105	
		Bar Bender	CNP021	1	90	90	
		Total:			116		
		C7	Track Laying (Direct Fixation)	Mobile Crane	CNP048	2	
Dump Truck	CNP067			1	109	109	
Excavator	CNP081			1	106	106	
Tampering Machine #	-			1	103	103	
Total:					113		
C8	Installation of Overhead Line Cable			Mobile Crane	CNP048	1	106
		Lorry	CNP141	1	105	105	
		Total:			109		
C9	Site Reinstatement	Excavator	CNP081	1	106	106	2
		Lorry	CNP141	1	105	105	
		Breaker, hand-held, mass<20kg	CNP024	2	108	111	
		Concrete Lorry Mixer	CNP044	1	100	100	
		Poker Vibrator	CNP170	2	102	105	
		Total:			114		
C10	Road Reinstatement	Road planer	CNP184	1	111	111	1
		Asphalt paver	CNP004	1	101	101	
		Road roller	CNP185	1	108	108	
		Total:			113		

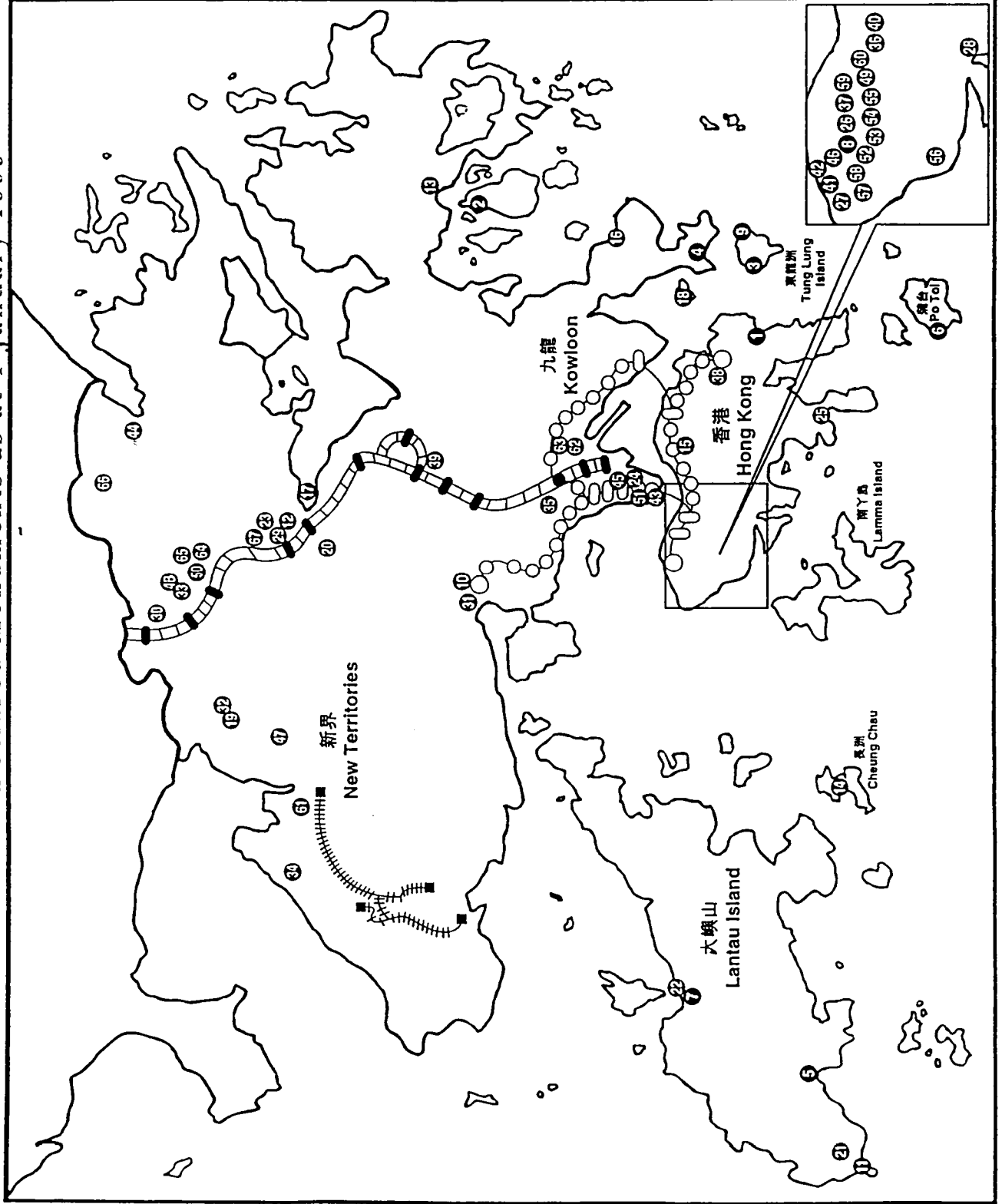
LRT Alterations EIA LRT Extension in Tin Shui Wai Reserve Zone and Grade Separation of the LRT with Pui To Road and Tsing Lun Road in Tuen Mun - Construction Noise Assessment
 Sound Power Levels of Quiet Equipment
 Construction Period: March 2001 to November 2003

Activity No.	Activity	PME	TM Identification	Unit	SWL	Sum SWL	Duration (months)
D Tin Shui Wai Reserve Zone Extension							
D1	Site Clearance and Formation including laying and tampering of ballast	Excavator/loader Roller, vibratory Dump Truck Lorry	CNP081 CNP186 CNP067 CNP141	3 1 3 3	106 102 109 105	111 102 114 110 117	12
D2	LR Slop Construction	Concrete Lorry Mixer Poker Vibrator Lorry Bar Bender	CNP044 CNP170 CNP141 CNP021	2 4 1 1	100 102 105 90	103 108 105 90 111	24
D3	Backfilling	Excavator/loader Lorry Roller, vibratory	CNP081 CNP141 CNP186	1 1 1	106 105 102	106 105 102 109	6
D4	Track Laying	Mobile Crane Dump Truck Excavator Tampering Machine #	CNP048 CNP067 CNP081 -	2 1 1 1	106 109 106 103	109 109 106 103 113	12
D5	Installation of Overhead Line Cable	Mobile Crane Lorry	CNP048 CNP141	2 1	106 105	109 105 110	12
Remarks: * - SWL is assumed based on TM ref. CNP261 (Winch, pneumatic powered) # - SWL is taken from West Rail Final EIA Report							

APPENDIX 13 – List of Declared and Deemed Monuments

截至一九九九年一月一日

Declared Monuments as at 1 January 1999



Declared Monuments as at 1 January 1999

1. Rock Carving at Big Wave Bay, Hong Kung Island
2. Rock Carving on Kau Sai Chau, Sai Kung
3. Rock Carving on Tung Lung Island, Sai Kung
4. Rock Inscription at Joss House Bay, Sai Kung
5. Rock Carving at Shek Pik, Lantau Island
6. Rock Carving on Po Toi Island
7. Tung Chung Fort, Lantau Island
8. Duddell Street Steps and Gas Lamps, Central
9. Tung Lung Fort, Tung Lung Island, Sai Kung
10. Sam Tung Uk Village, Tsuen Wan
11. Fan Lau Fort, Lantau Island
12. Old District Office North, Tai Po
13. Sheung Yu Village, Sai Kung
14. Rock Carving on Cheung Chau Causeway Bay
15. Tin Hau Temple, Causeway Bay
16. Rock Carving at Lung Ha Wan, Sai Kung
17. Island House, Yuen Chau Tsai, Tai Po
18. Site of Chinese Customs Station, Junk Island, Sai Kung
19. Man Lun Fung Ancestral Hall, San Tin, Yuen Long
20. Remains of Ancient Kien, Wun Yu Village, Tai Po
21. Stone Circle, Fan Lau, Lantau Island
22. Tung Chung Battery, Lantau Island
23. Man Mo Temple, Tai Po
24. Hong Kung Observatory, Tsim Sha Tsui
25. Old Stanley Police Station
26. The Exterior of the Old Supreme Court, Central
27. The Exterior of the Main Building, the University of Hong Kong
28. Rock Carving at Wong Chuk Hang
29. Old Tai Po Market Railway Station
30. Liu Man Shek Tong Ancestral Hall, Sheung Shui
31. ~~Old House, Sheung Shui~~
Ho Po Village, Tsuen Wan
32. Tai Fu Tai Mansion, San Tin, Yuen Long
33. Kun Lung Gate Tower, Lung Yeuk Tau, Fanling
34. Yeung Hau Temple, Ha Tsuen, Yuen Long
35. Lei Cheng Uk Han Tomb, Sham Shui Po
36. Flagstaff House, Cotton Tree Drive, Central
37. Former French Mission Building, Battery Path, Central
38. Law Uk Hakka House, Chai Wan
39. Old House, Wong Uk Village, Sha Tin
40. Old Wan Chai Post Office
41. Old Pathological Institute, Caine Lane, Sheung Wan
42. Western Market, Sheung Wan
43. Former Kowloon-Canton Railway Clock Tower, Tsim Sha Tsui
44. Kang Yung Study Hall, Sha Tau Kok
45. Former Kowloon British School, Tsim Sha Tsui
46. Main Building of St. Stephen's Girls' College, Lyttelton Road, Mid-Levels
47. Y. Tai Study Hall, Kam Tin, Yuen Long
48. Enclosing Walls and Corner Watch Towers of Kun Lung Wai, Lung Yeuk Tau, Fanling
49. The Exterior of the Main Building, the Helena May, Garden Road, Central

Deemed Monuments as at 1 January 1999

1. Kun Ting Study Hall, Ping Shan, Yuen Long
2. Hau Kui Shek Ancestral Hall, Ho Sheung Heung, Sheung Shui
3. Tau Shing Lau Pagoda, Ping Shan, Yuen Long
4. Ching Shu Hin, Ping Shan, Yuen Long
5. Yu Kiu Ancestral Hall, Ping Shan, Yuen Long
6. Entrance Hall of Shui Hing Study Hall, Ping Shan, Yuen Long
7. Tang Kwong U Ancestral Hall, Kam Tin, Yuen Long
8. Cheung Chuen Yuen, Kam Tin, Yuen Long

截至1999年1月1日的法定古蹟

1. 港島大浪灣石刻
2. 西貢灣洲石刻
3. 西貢萊龍洲石刻
4. 西貢大廟灣刻石
5. 大嶼山石壁石刻
6. 蒲台島石刻
7. 大嶼山東涌炮台
8. 中環都爹利街石階及煤氣路燈
9. 西貢東龍洲炮台
10. 荃灣三棟屋村
11. 大嶼山分流炮台
12. 大埔舊北區理民府
13. 西貢上營村
14. 長洲石刻
15. 銅鑼灣天后廟
16. 西貢龍蝦灣石刻
17. 大埔元洲仔前政務司官邸
18. 西貢佛頭洲稅關遺址
19. 元朗新田麟峯文公祠
20. 大埔碗窰村古窰遺址
21. 大嶼山分流石圍環
22. 大嶼山東涌小炮台
23. 大埔文武二帝廟
24. 尖沙咀香港天文台
25. 舊赤柱警署
26. 中環舊最高法院外圍
27. 香港大學本部大樓外圍
28. 黃竹坑石刻
29. 舊大埔墟火車站
30. 上水廖萬石堂
31. 荃灣海墘村民宅
32. 元朗新田大夫第
33. 粉嶺龍躍頭觀龍圍圍門樓
34. 元朗廣村楊侯宮
35. 深水埗李鄭屋漢墓
36. 中環紅棉道舊三軍司令官邸

37. 中環炮台里
前法國外方傳道會大樓
38. 柴灣鐘屋
39. 沙田王屋村民宅
40. 舊灣仔郵政局
41. 上環堅巷舊病理學院
42. 舊上環街市
43. 尖沙咀前九廣鐵路鐘樓
44. 沙頭角鏡蓉書屋
45. 尖沙咀前九龍英皇學校
46. 半山區列提頓道聖提反女子中學主樓
47. 元朗錦田二帝書院
48. 粉嶺龍躍頭觀龍圍圍牆及更樓
49. 中環花園道梅夫人婦女會主樓外圍
50. 粉嶺龍躍頭麻笏圍圍門樓
51. 尖沙咀前水警總部
52. 舊總督山頂別墅守衛室
53. 中環荷李活道中區警署
54. 中環亞畢諾道前中央裁判司署
55. 中環奧卑利街域多利監獄
56. 香港大學大學堂外圍
57. 香港大學孔慶葵樓外圍
58. 香港大學鄧志昂樓外圍
59. 中環上亞厘畢道前總督府
60. 中環花園道聖約翰座堂
61. 元朗橫洲二聖宮
62. 九龍寨城公園九龍寨城南門遺蹟
63. 九龍寨城公園前九龍寨城衙門
64. 粉嶺龍躍頭老圍圍門樓及圍牆
65. 粉嶺龍躍頭松嶺郡公祠
66. 粉嶺坪崙長山古寺
67. 大埔大埔頭村敬羅家塾

截至1999年1月1日的認定古蹟

1. 元朗屏山觀廷書室
2. 上水河上鄉居石侯公祠
3. 元朗屏山翠星樓
4. 元朗屏山清譽軒
5. 元朗屏山愈喬三公祠
6. 元朗屏山述卿書室前廳
7. 元朗錦田廣翰鄧公祠
8. 元朗錦田長春園

APPENDIX 14 – Photos Taken During Field Evaluation



Photo 2 - Ballast Track in Fu Tei

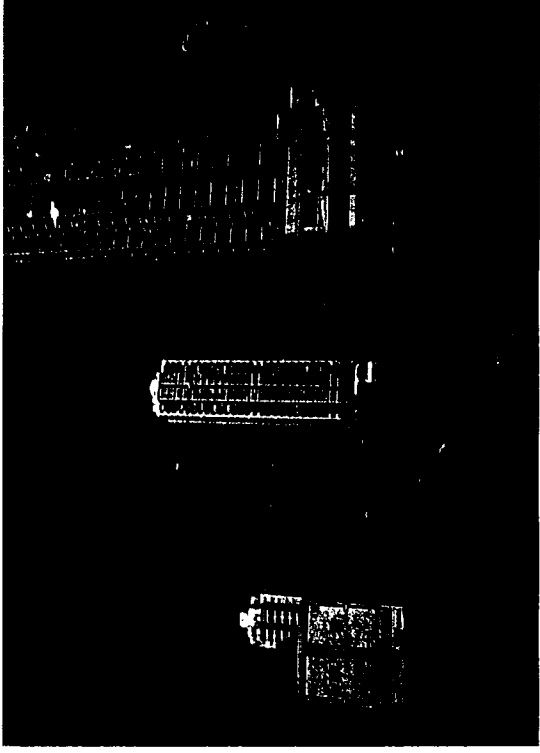


Photo 4 - Pui To Road

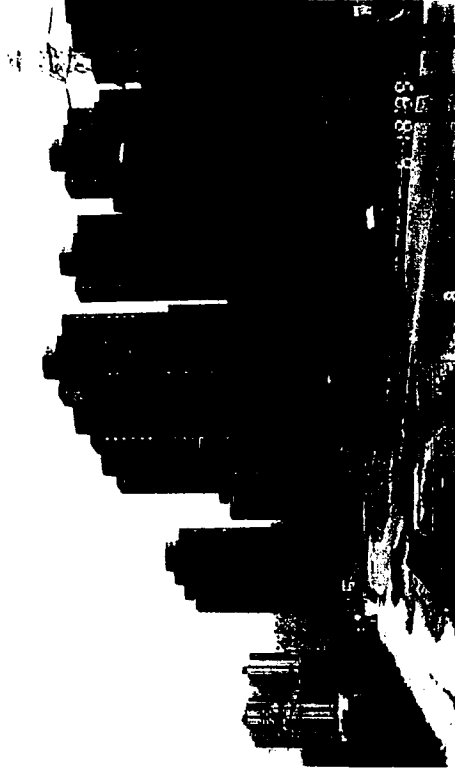


Photo 1 - Junction LT1 in Fu Tei



Photo 3 - Existing Junction LT1



Photo 5 - Near Junction J6



Photo 6 - Junction Mj8

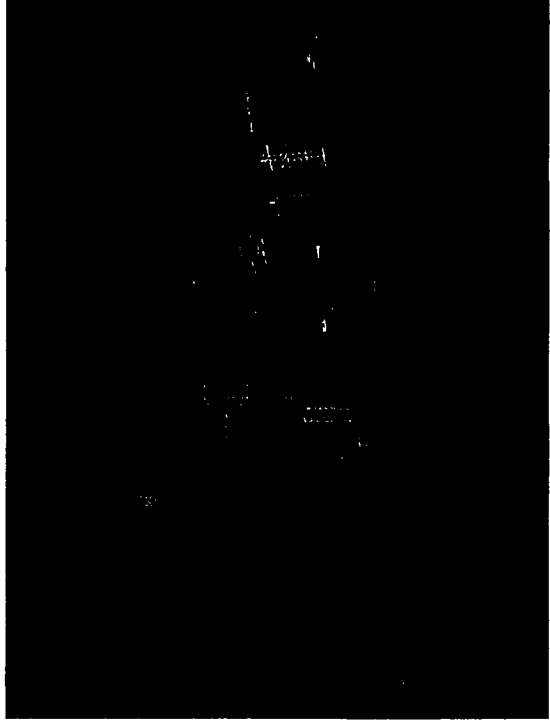


Photo 7 - Ballast Track at Kin Fung Circuit



Photo 8 - Industrial Building near Kin Fung Circuit

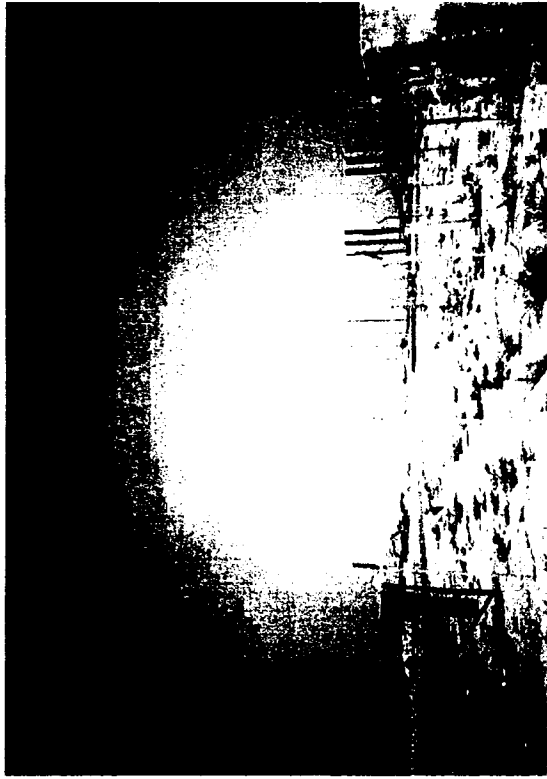


Photo 9 – Existing Ground Cnditions in
Tin Shui Wai Reserve Zone



Photo 10 – Existing Ground Conditions in
Tin Shui Wai Reserve Zone

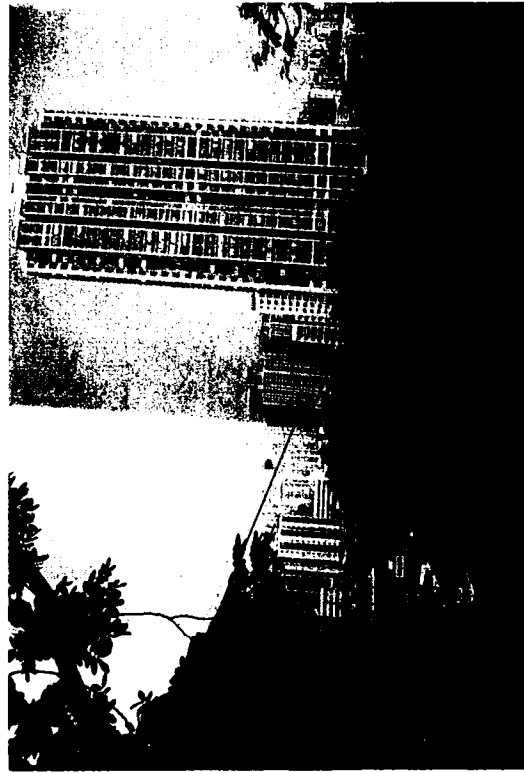


Photo 11 – Siu Hing Tung
(main building screened by tall trees)

APPENDIX 15 – Letter from TDD



九廣鐵路公司
Kowloon-Canton Railway Corporation
西鐵部 West Rail Division

Our Ref.: WRICRN1999-0087012
Your Ref.: GSA021-000112

Ove Arup & Partners Hong Kong Ltd
Level 5 Festival Walk
80 Tat Chee Avenue
Kowloon Tong, Hong Kong

Attn: Mr. Sam Tsoi

Subject: **KCRC West Rail
Light Rail Transits Alterations - EIA
Re: Additional Information for Submission to EPD**

Dear Sam,

Enclosed please find the self-explanatory letter from TDD ref: NTN/RU/12/65 dated 3 November 1999 for your incorporation into the final EIA Reports.

Yours sincerely,

Vic McNally
Environmental Manager

VM/AP/dl

Response Required: No
Attachment: Yes

c.c. Billy Tam

4 November, 1999
(By Fax 22683950 & by Hand)

FAXED
DATE: Nov 4 1999



香港新界沙田區城門七號
7/F., Citylink Plaza, Sha Tin, N.T., Hong Kong
Telephone: (852) 2684 8300 Facsimile: (852) 2601 5287



URGENT BY FAX & POST
(Fax No. 2601 5287)

NR1-0000171773

03 NOV 1999

RECEIVED
KCRC WH DCC

英文傳真 Our Fax No. 2683 2918

來函編號 Your Reference

本處傳真 Our Reference

電話 新 Telephone

日期 Date

(14) in NTN/RU 2/12/65 Pt. XII
2684 1763
3 November 1999

Kowloon-Canton Railway Corporation
West Rail Division
7/F., Citylink Plaza,
Sha Tin, N.T.

(Attn: Mr McNally)

Dear Sirs,

PWP Item No. B563CL
Tin Shui Wai further development
road junction improvement, site formation
and main engineering infrastructure

KCRC West Rail
Tin Shui Wai Reserve Zone
Light Rail Extension
Gazette under Railways Ordinance

I refer to the telephone conversation between Messrs McNally/S.W. Wong on 3.11.99.

As discussed, I confirm that planters constructed under TDD's further development project, including those along the future LRT reserve, will be handed over to Highways Department and Regional Services Department for maintenance of the landscape hardwork and softwork respectively.

Yours faithfully,

(S.W. WONG)
for Project Manager/NT North

c.c. NTN/RU 2/12/25

HWL/SWW/



沙田政府辦事處, 6 Tung Lo Wan Hill Road, Sha Tin, New Territories 新界沙田頭圍山道六號沙田政府辦事處
TOTAL P. 01



URGENT

九廣鐵路公司
Kowloon-Canton Railway Corporation
西鐵部 West Rail Division

Comm Ref: WRICRN1999-0090968

11 November 1999

Ove Arup and Partners Hong Kong Limited
Level 5 Festival Walk
Tat Chee Avenue
Kowloon Tong
Kowloon, Hong Kong

By fax and post
Fax No. 2268 3950

Attn: Mr Sam Tsoi

**Subject: KCR West Rail
Contract No GSA-021 LRT Alterations
Environmental Impact Assessment
Light Rail Extension in Tin Shui Wai Reserve Zone**

Dear Sam

I refer to TDD's letter ref (14) in NTN/RU 2/12/95 Pt XII of 3 November 1999 and confirm with TDD that the landscape hardware and software will be completed under ongoing TDD construction contracts before March 2001.

Yours sincerely,

Vio McNally
Environmental Manager

VM AP/dll

cc PM/NTN (Attention: Mr S W Wong)
CM-LR

Response Required: No
Due Date: N/A
Attachments: No
Subject Code: EN101

