



Highways Department
Western Harbour Link Office

Agreement No. CE 27/92

ROUTE 3

COUNTRY PARK SECTION AND TING KAU BRIDGE

PRELIMINARY DESIGN STAGE 2

Country Park Section - Tai Lam Tunnel and Yuen Long Approach Road

Volume 2 - Drawings

FREEMAN FOX MAUNSELL

EIA-033.1/BC

ROUTE 3 COUNTRY PARK SECTION

FINAL REPORT

VOLUME 2 - DRAWINGS

**Route 3 Country Park Section
Tai Lam Tunnel and Yuen Long Approach Road
Stage 2 Preliminary Design
Final Report
Volume 2 - Drawings**

C O N T E N T S

Stage 2 Preliminary Design

Title	Sheet	Drawing No.
Key Plan		92393/01/100
Proposed Layout	Sheet 1 of 16	92393/01/101
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"	5 of 16	" 105
"	6 of 16	" 106
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"	15 of 16	" 115
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Stage 2 Preliminary Design

Title	Sheet	Drawing No.
Proposed Vertical Profile	Sheet 1 of 12	92393/01/121
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Proposed Conveyor System	Sheet 1 of 2	92393/SK/265
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Optional Alignment for YL3b connection to Yuen Long Southern Bypass		92393/01/074

Stage 2 Preliminary Design

Title	Sheet	Drawing No.
Summary Borehole Logs Along Proposed Alignment	Sheet 1 of 16	92393/SI/1001
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"	3 of 16	1003
"	4 of 16	1004
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"	9 of 16	1009
"	10 of 16	1010
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"	12 of 16	1012
"	13 of 16	1013
"	14 of 16	1014
"	15 of 16	1015
"	16 of 16	1016

Stage 1 Preliminary Design

Title	Drawing No.	Purpose
YL3 Plan and Profile Dual 3 Option Landscape Plans	91880/PD1/801/101 to 91880/PD1/801/106	To illustrate principles to be adopted in landscape design <i>Note : Layout shown is not current Base Design</i>
TLT Typical Cross-section	91880/PD1/301/3/01	Proposed tunnel cross-section
TLT Dual 3 Configuration Connection Details between Main Tunnel and Ventilation Adit	91880/PD1/301/1/07	To illustrate principle of vent duct connection <i>Note : A future two-lane tunnel between initial tunnels is no longer proposed</i>
TLT Support Arrangements	91880/PD1/301/1/09	Proposed Support Arrangement
TLT OHVD General Arrangement	91880/PD1/301/3/11	To illustrate OHVD connection at main tunnel
TLT General Arrangement of Cross Passage	91880/PD1/301/3/03	To show principle of cross passages <i>Note : A future two-lane tunnel between initial tunnels is no longer proposed</i>
TLT Typical Cross-section of Vent Adit	91880/PD1/301/3/05	To illustrate vent adit for Stage 1 design <i>Note : Stage 2 design requirements have been changed and adit design should be reviewed</i>

Stage 1 Preliminary Design

Title	Drawing No.	Purpose
TLT Typical X-section of Secondary Vent Adit	91880/PD1/301/3/06	As above
Northern Ventilation Building Basement 2 Plan	91880/PD1/031/010	To give ventilation building details from Stage 1 design <i>Note : Provision for a future third tunnel is not included in the Base Design</i>
Northern Ventilation Building Basement 1 Plan	91880/PD1/031/011	As above
Northern Ventilation Building Ground Floor Plan	" 012	As above
Northern Ventilation Building First Floor Plan	" 013	As above
Northern Ventilation Building Second Floor Plan	" 014	As above
Northern Ventilation Building Roof Plan	" 015	As above
Northern Ventilation Building Section 1-1	" 016	As above
Northern Ventilation Building Section 2-2	" 017	As above

Stage 1 Preliminary Design

Title	Drawing No.	Purpose
Southern Ventilation Building Basement 2 Plan	91880/PD1/031/018	As above
Southern Ventilation Building Basement 1 Plan	" 019	As above
Southern Ventilation Building Ground Floor Plan	" 020	As above
Southern Ventilation Building First Floor Plan	" 021	As above
Southern Ventilation Building Second Floor Plan	" 022	As above
Southern Ventilation Building Roof Plan	" 023	As above
Southern Ventilation Building Section 1-1	" 024	As above
Southern Ventilation Building Section 2-2	" 025	As above
Toll Booth Plan and Elevation and Sections	" 026	Typical toll booth details
Tunnel Ventilation Schematic Diagram	91880/PD1/331/001	Tunnel Ventilation System Details (Stage 1 design) <i>Note : Stage 2 design requirements have been changed and ventilation design should be reviewed.</i>
Tunnel Ventilation Emergency Mode Table	" 002	As above.

DRAWINGS FROM STAGE 2 PRELIMINARY DESIGN



NOTE :-
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PRELIMINARY DESIGN STAGE 2

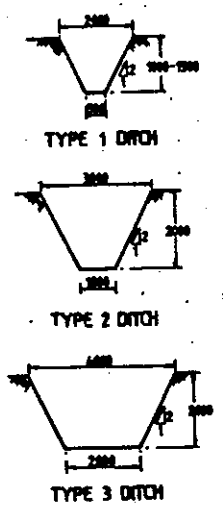
KEY PLAN

Fig. No. 92393/01/100

FREEMAN FOX MAUNSELL



DRAINAGE DETAILS



GENERAL NOTE:
 DETAILS OF UTILITIES SHOWN ARE INDICATIVE ONLY.
 DETAILS SHOULD BE VERIFIED WITH UTILITY
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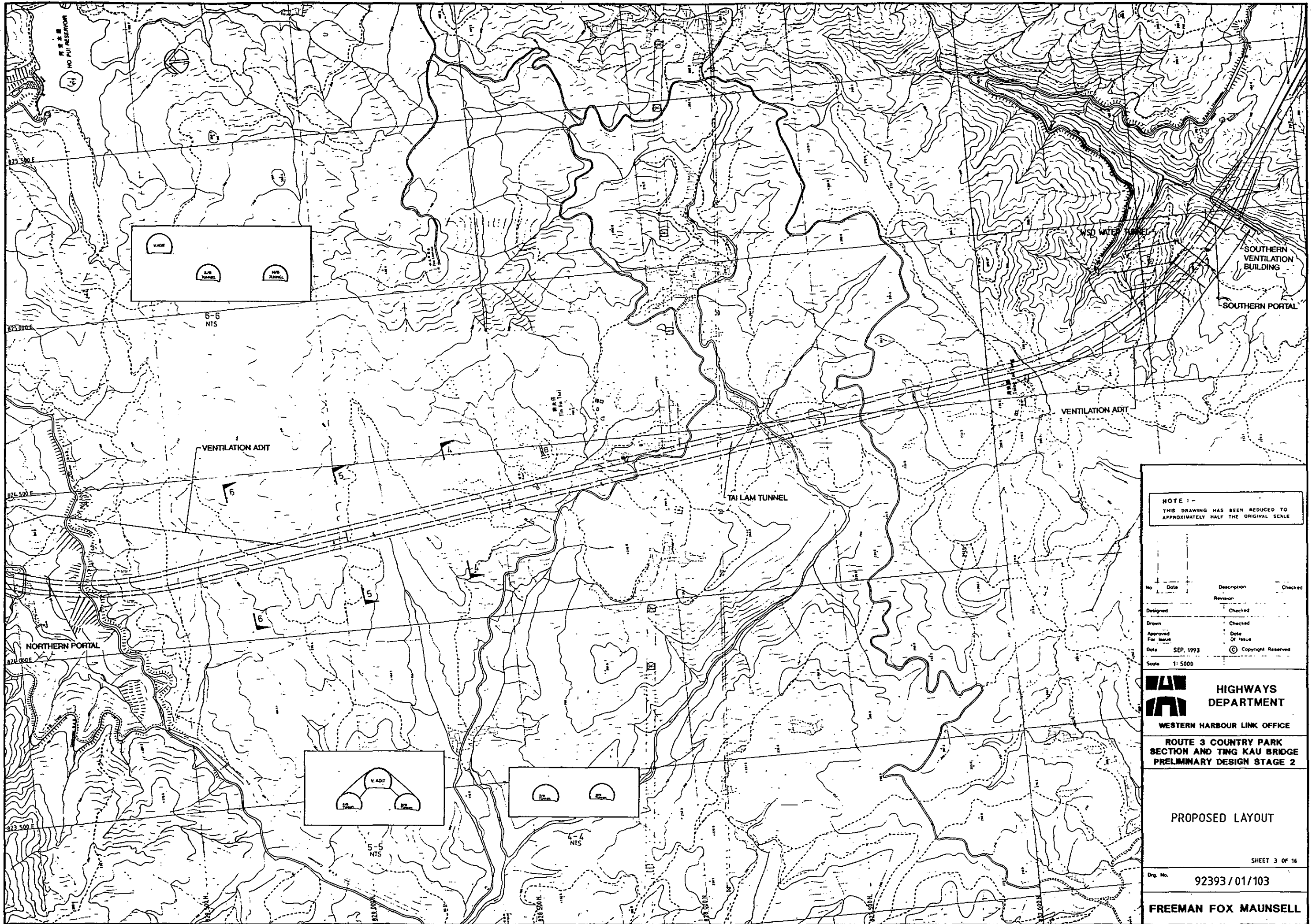
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE
 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 1 OF 16

Proj. No. 92393 / 01 / 101

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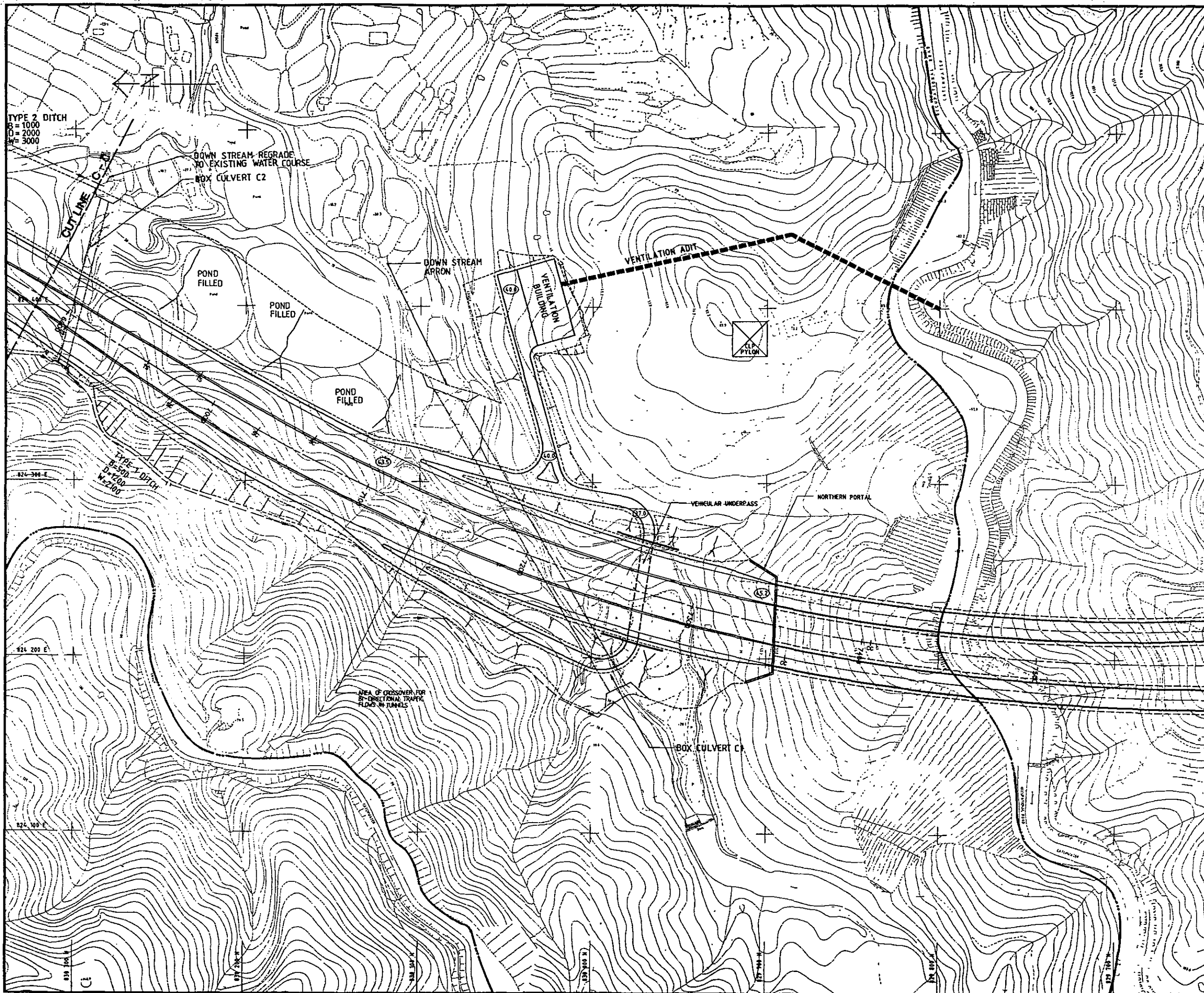
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PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 3 OF 16

Drp. No. 92393 / 01/103

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LEGEND :-
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NOTES :-
 1. FOR DETAILS OF DRAINAGE, SEE DRG. NO. 92393/01/101.

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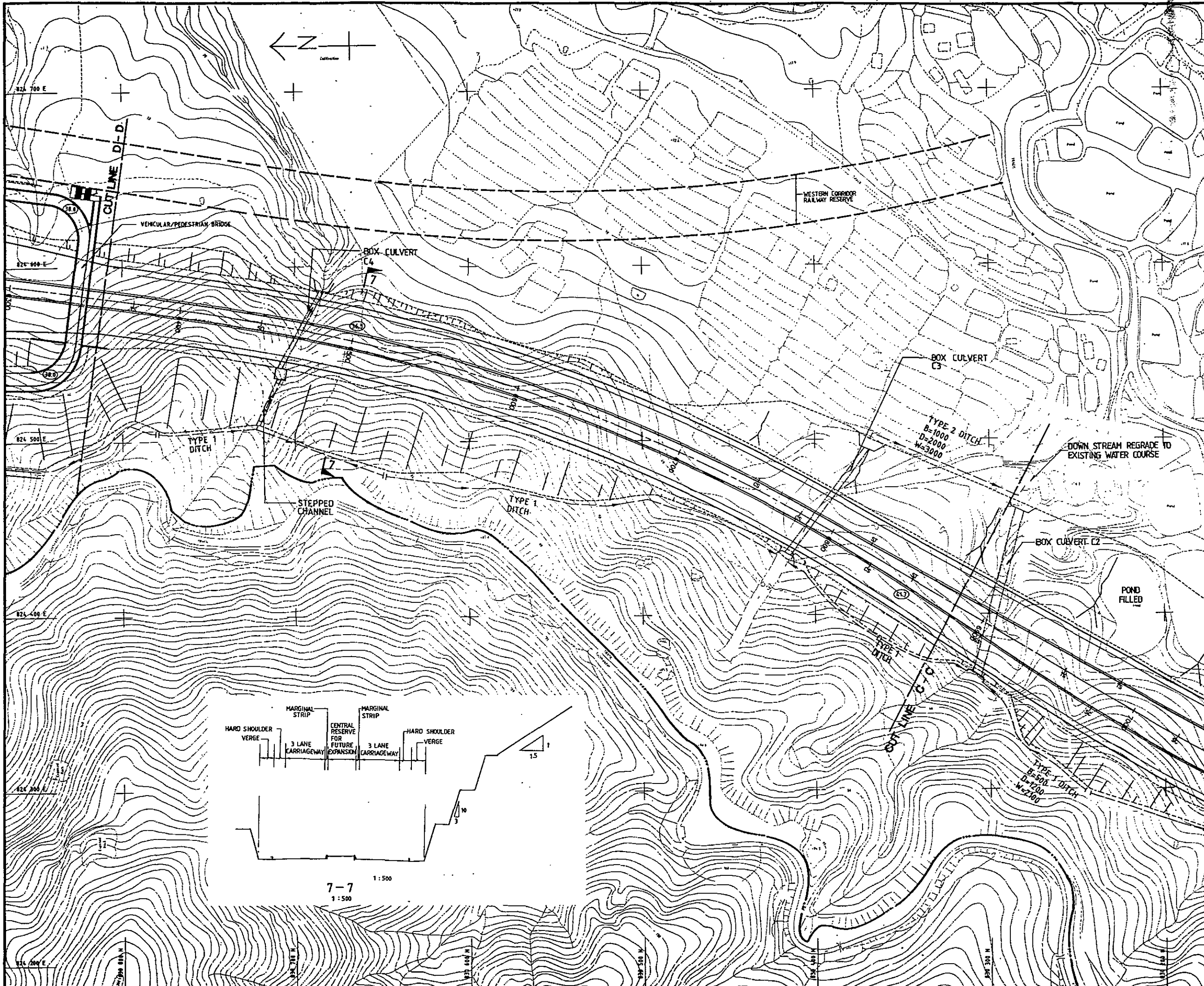
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 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 4 OF 14

Dwg. No. 92393/01/104

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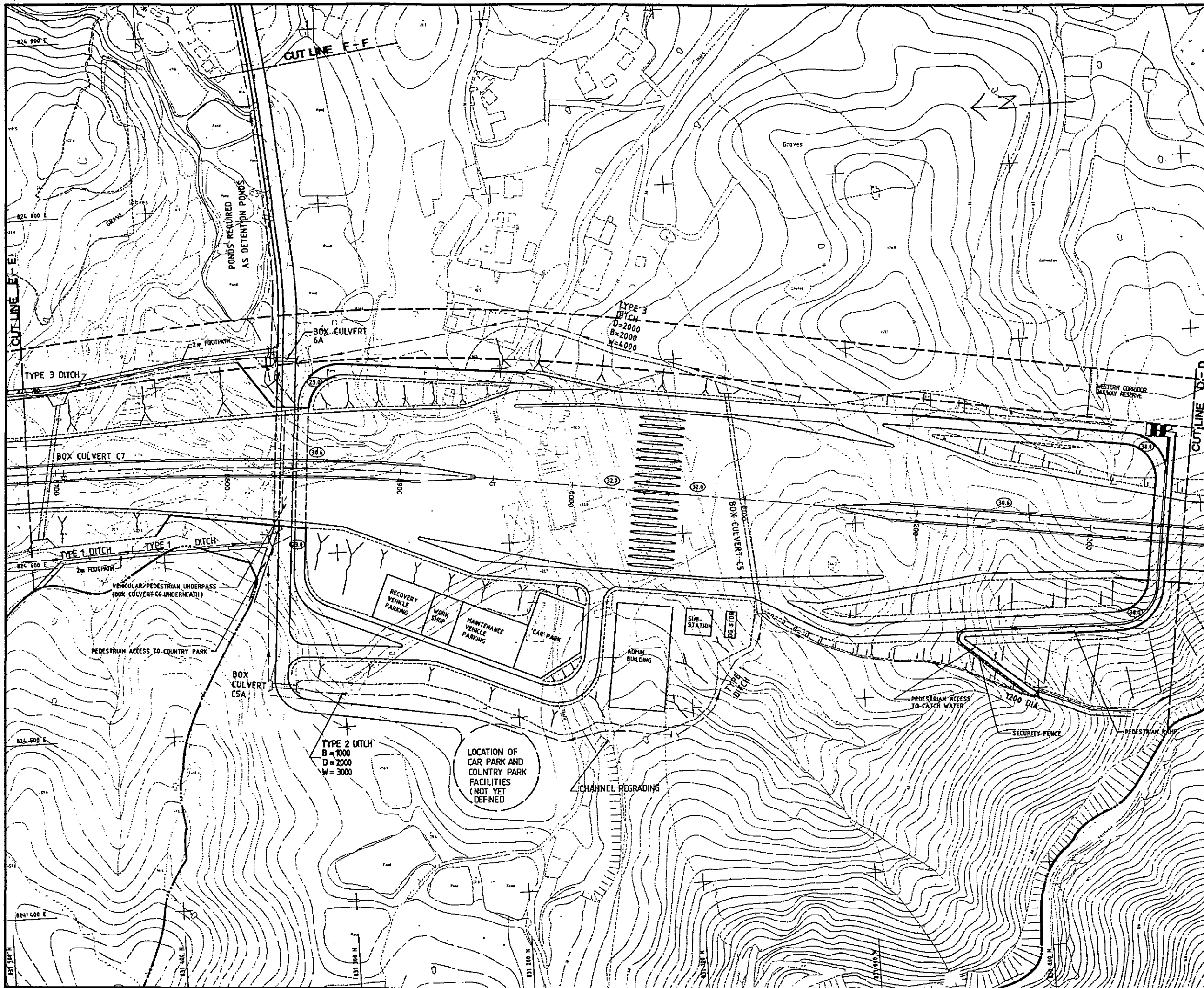
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 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 5 OF 14

92393/01/105

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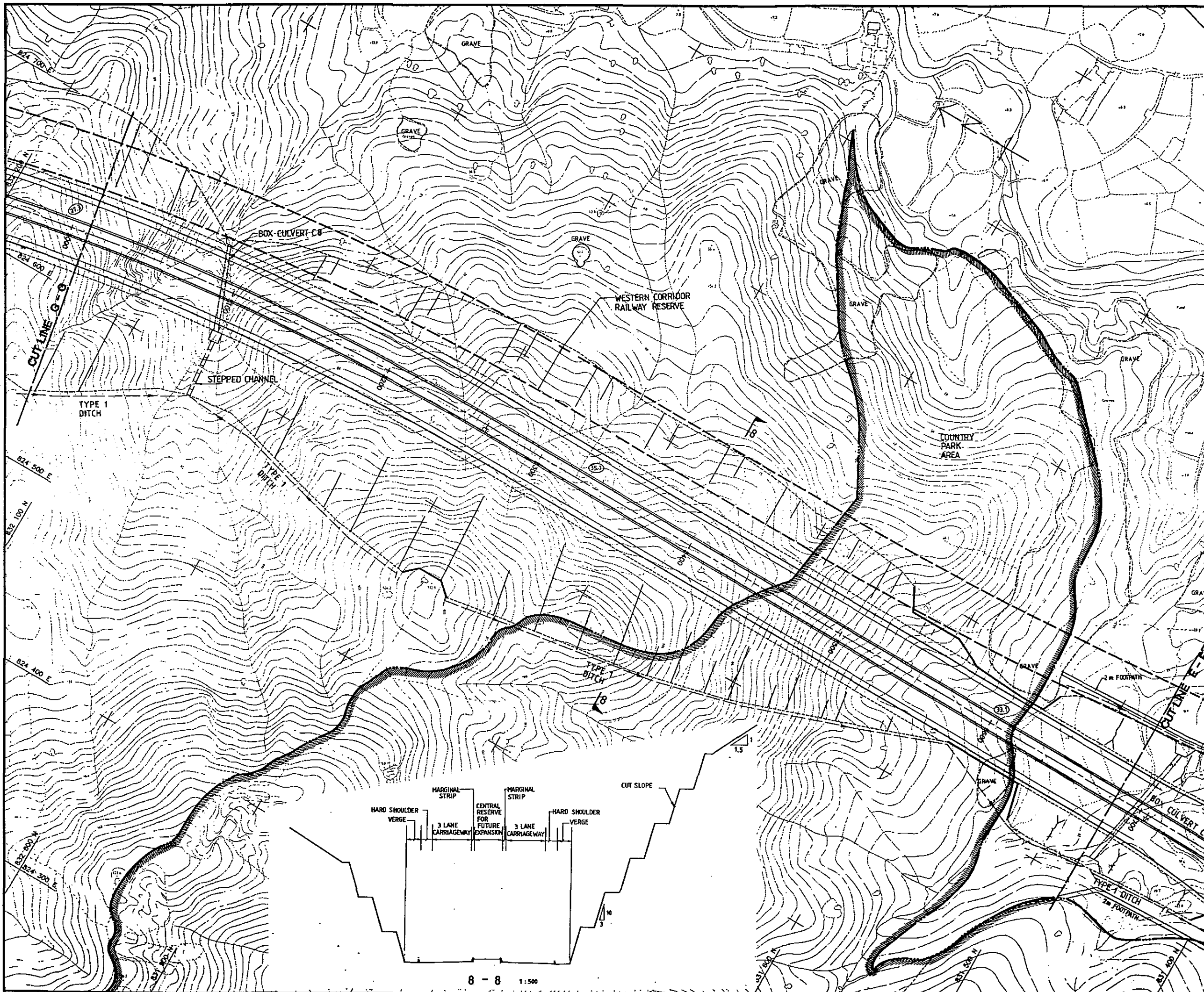
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PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 6 OF 16

Drp. No. 92393/01/106

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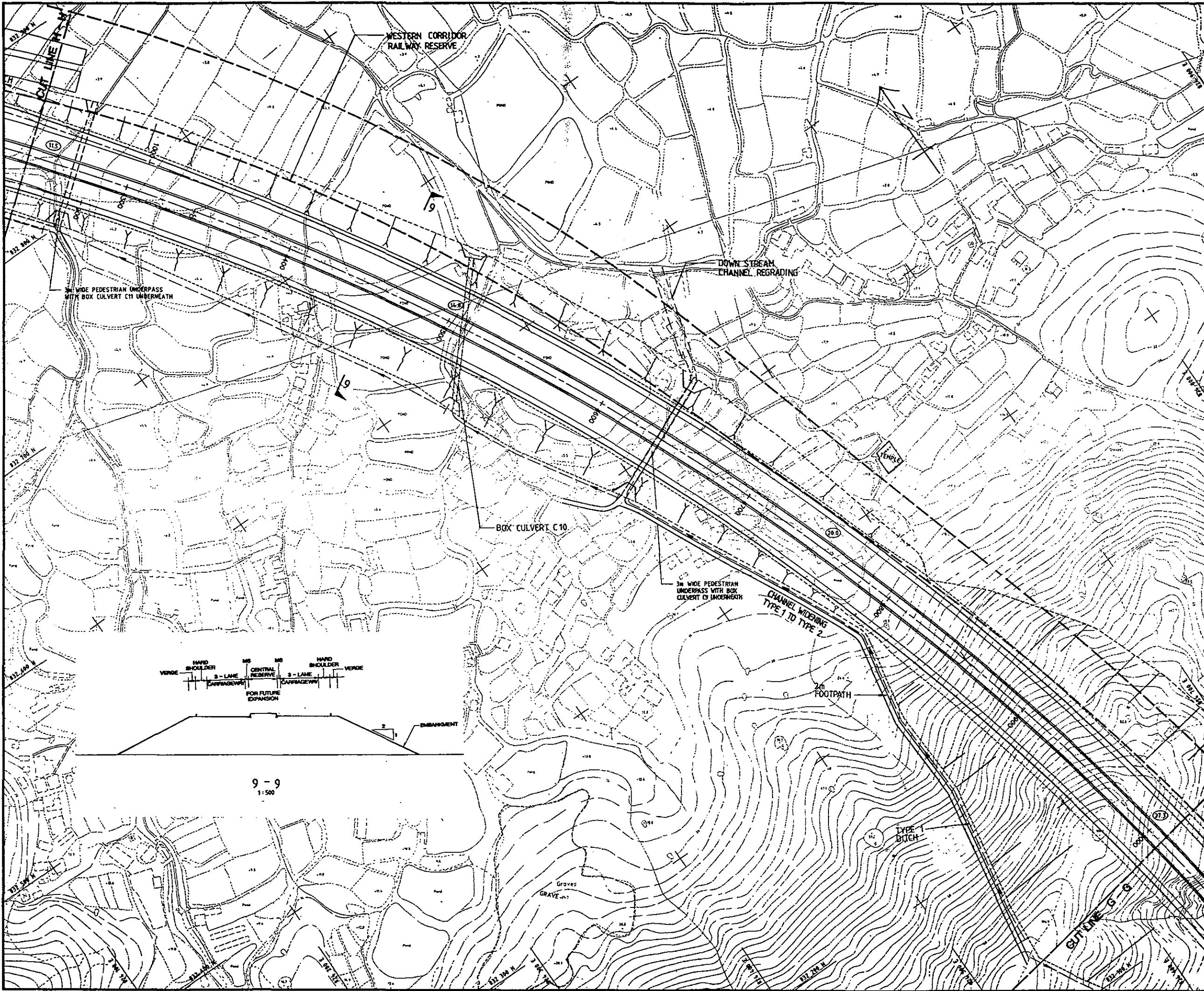
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PROPOSED LAYOUT

SHEET 7 OF 16
 Org. No. 92393/01/107

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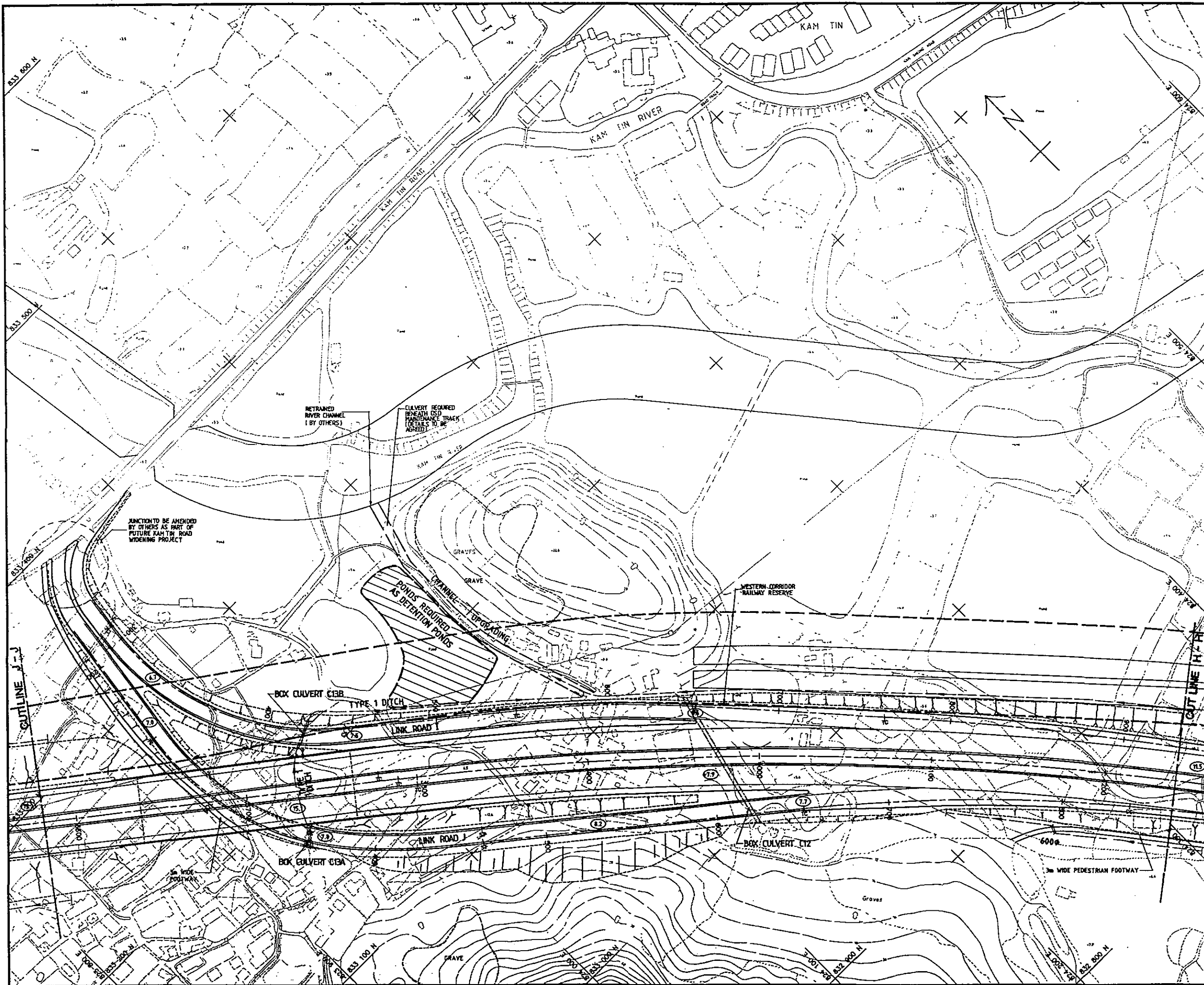
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PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 8 OF 16

92393/01/108

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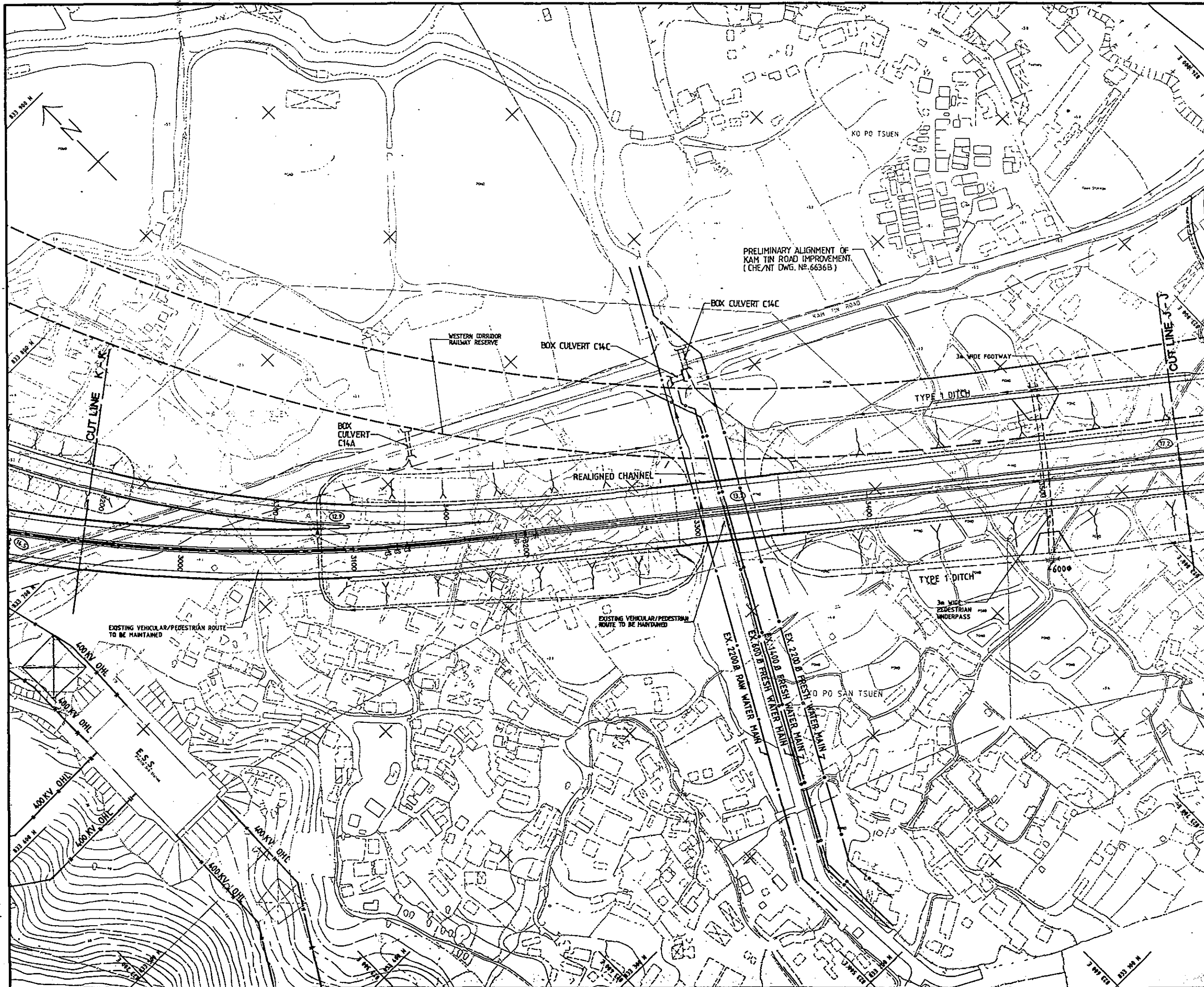
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 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 9 OF 16

Drp. No. 92393/01/109

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PRELIMINARY ALIGNMENT OF KAM TIN ROAD IMPROVEMENT (CHE/NT DWG. NO. 6636B)

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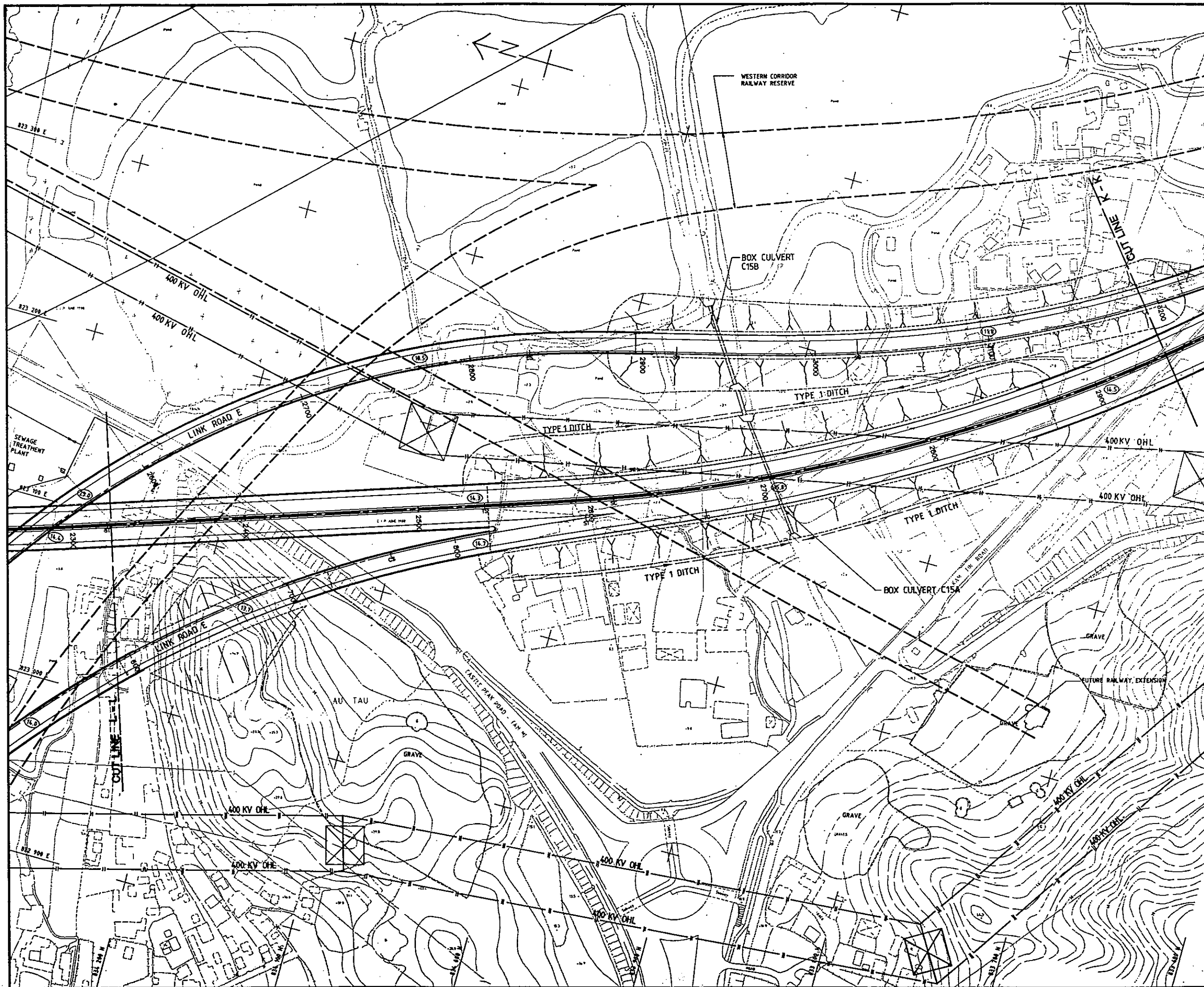
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 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 10 OF 16

Dwg. No. 92393/01/110

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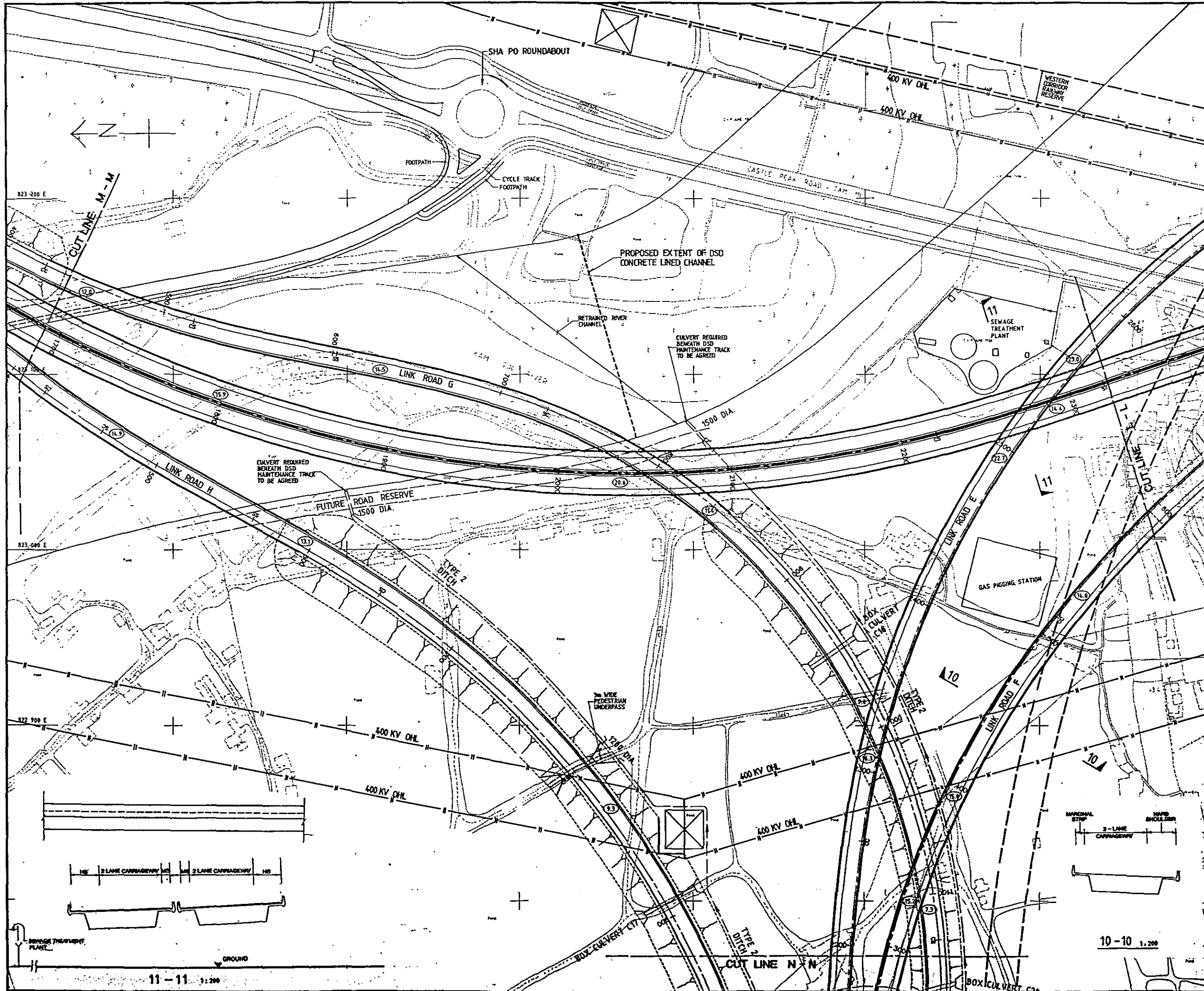
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ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE
 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 11 OF 16

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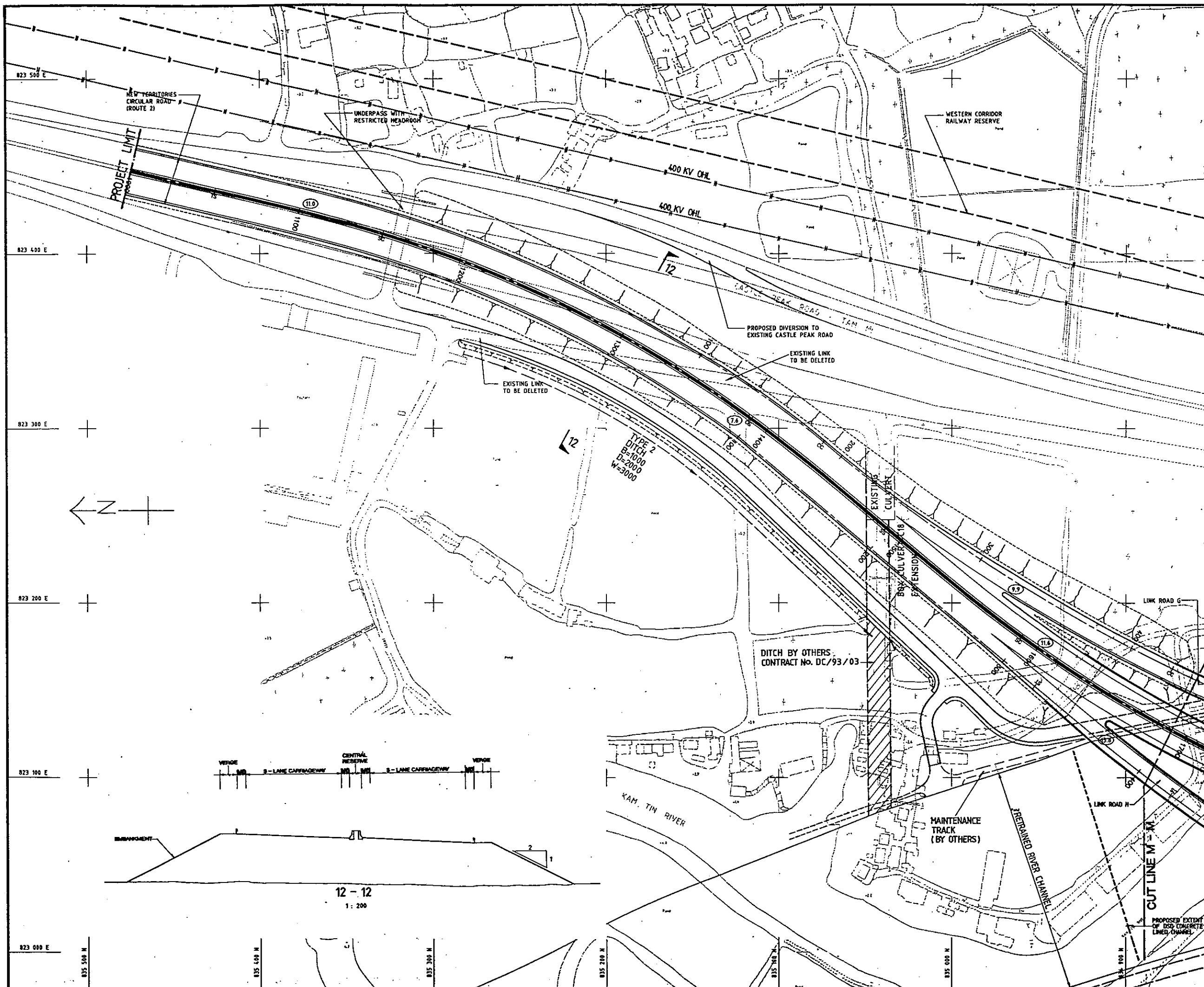
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PROPOSED LAYOUT

SHEET 12 OF 16

92393/01/112

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 PRELIMINARY DESIGN STAGE 2

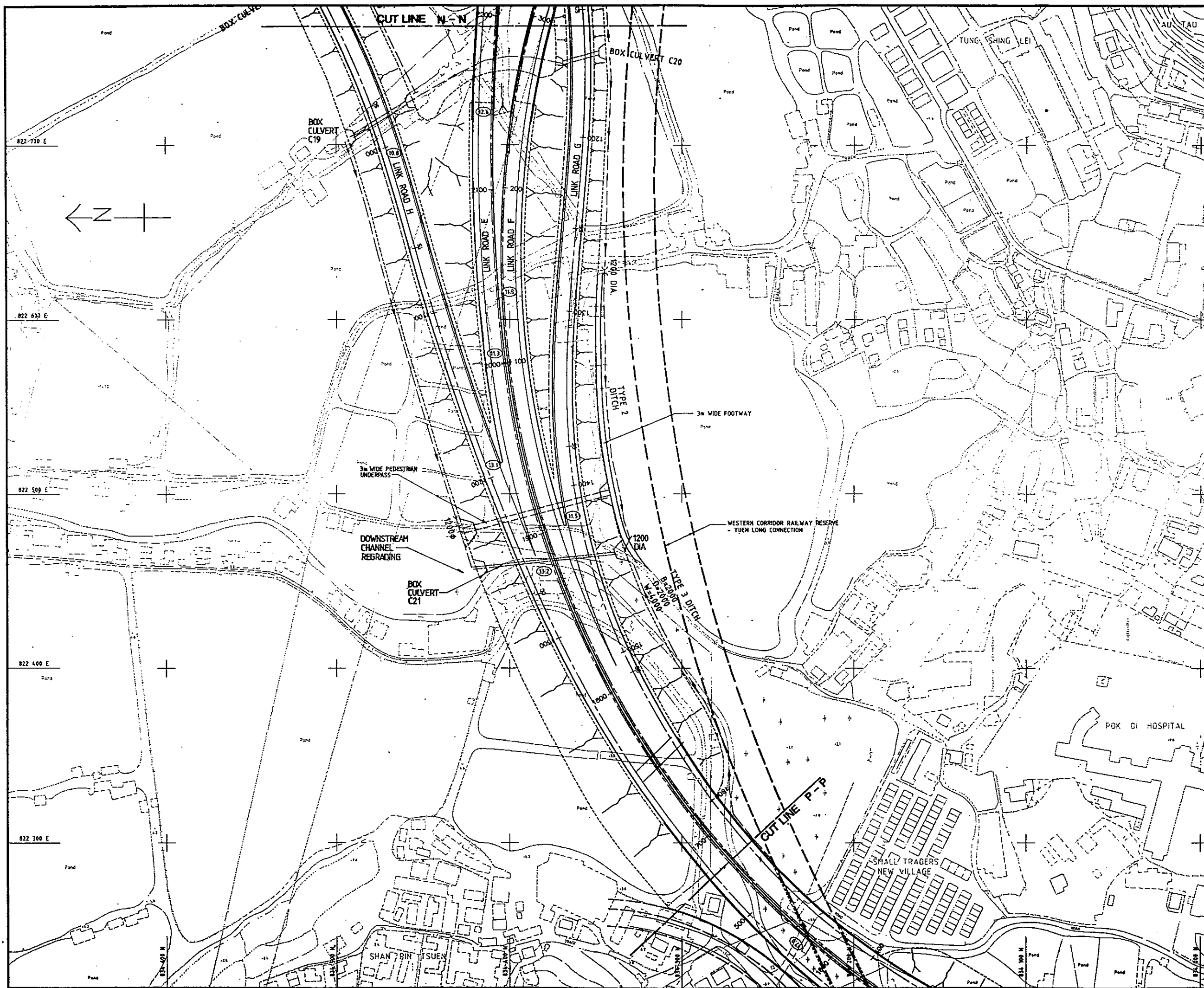
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SHEET 13 OF 16
 Dwg. No. 92393/01/113

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12 - 12
 1 : 200



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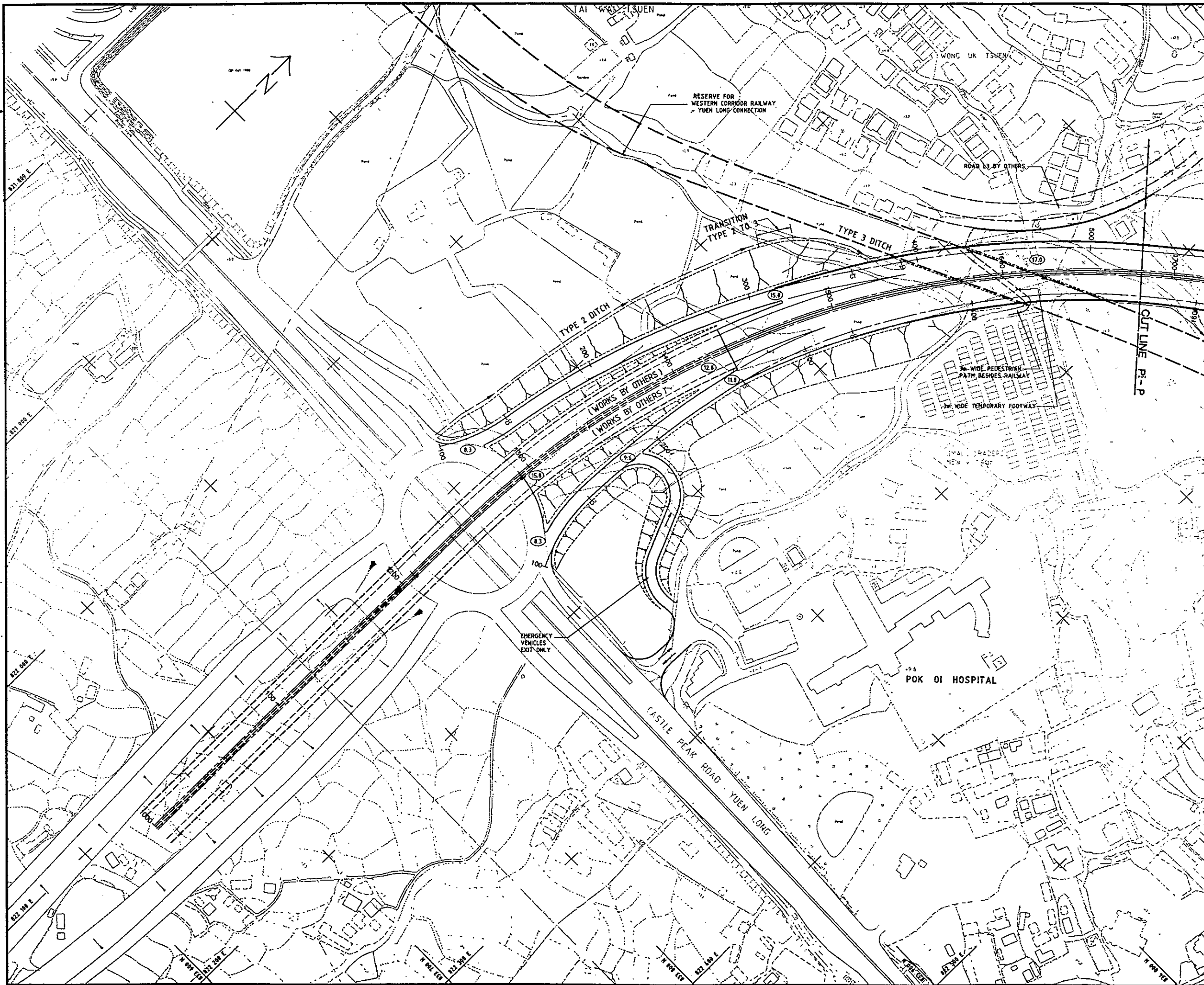
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 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

SHEET 14 OF 16

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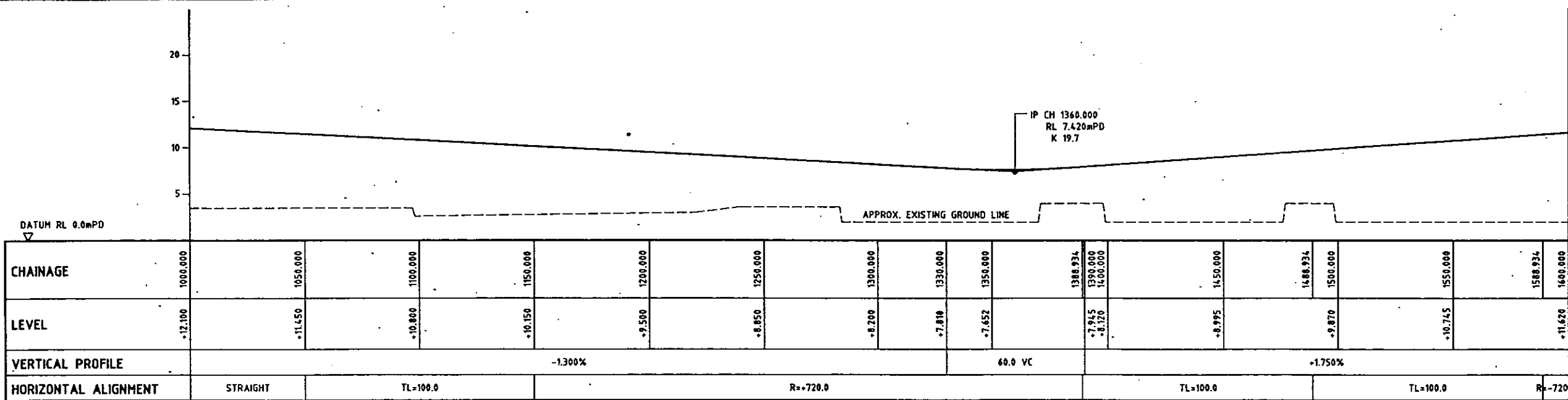
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 ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE
 PRELIMINARY DESIGN STAGE 2

PROPOSED LAYOUT

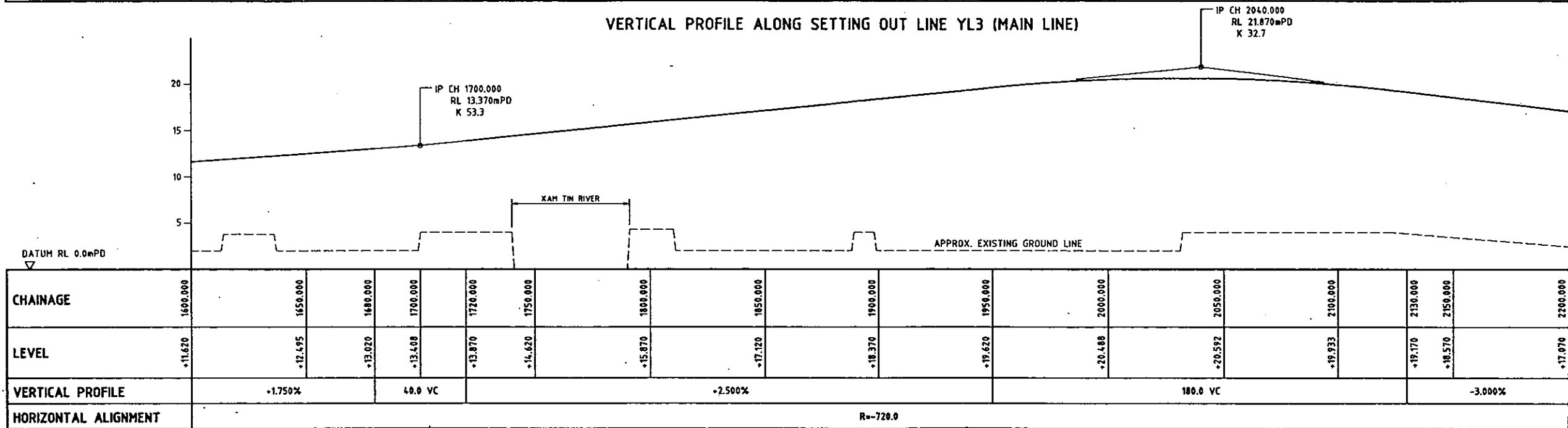
SHEET 15 OF 16

Dr. No. 92393/01/115

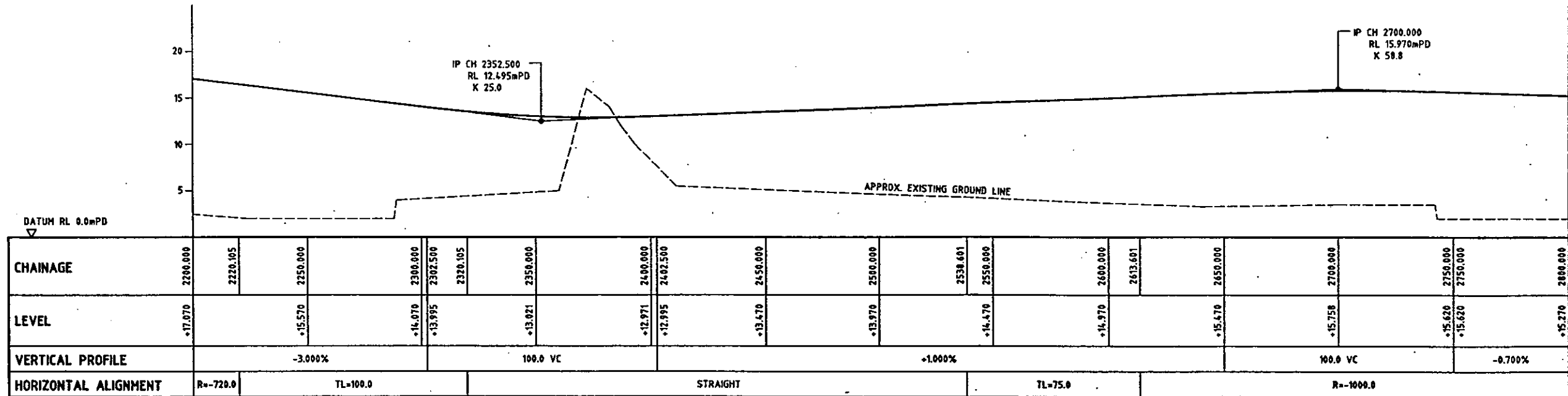
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VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)

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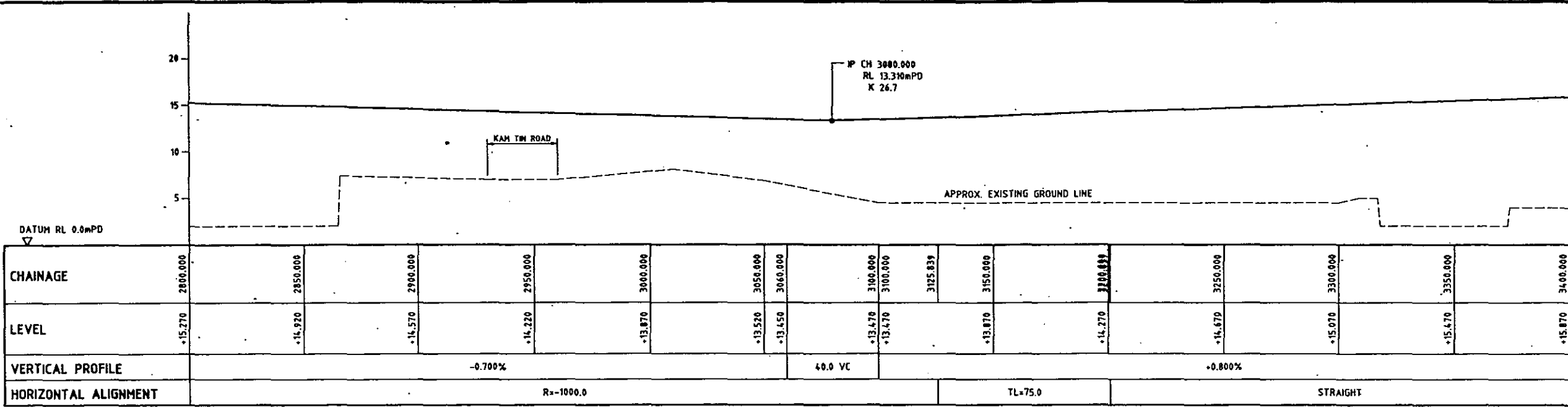
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PROPOSED VERTICAL PROFILE

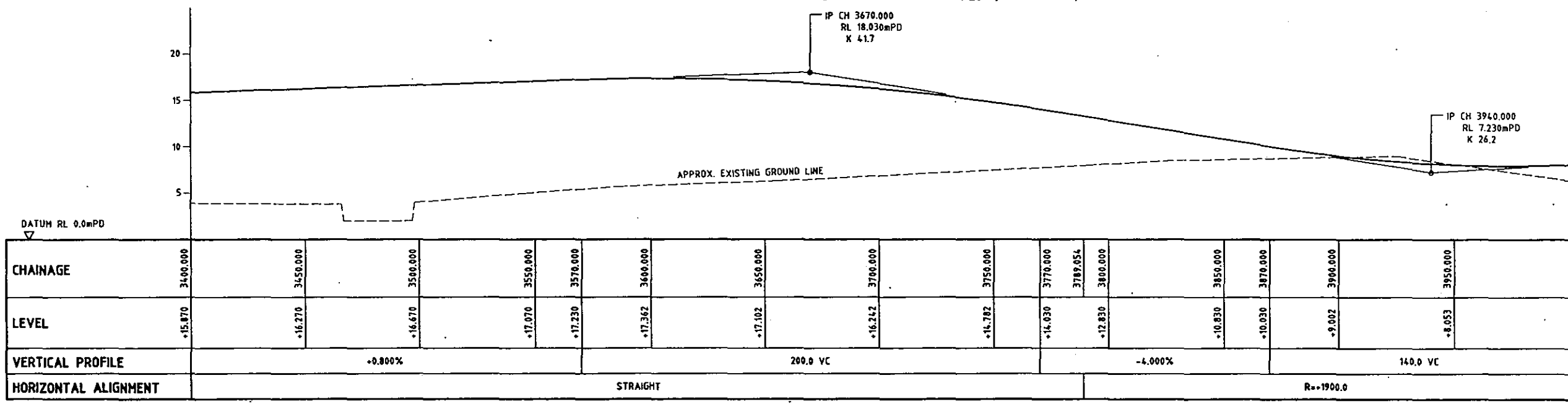
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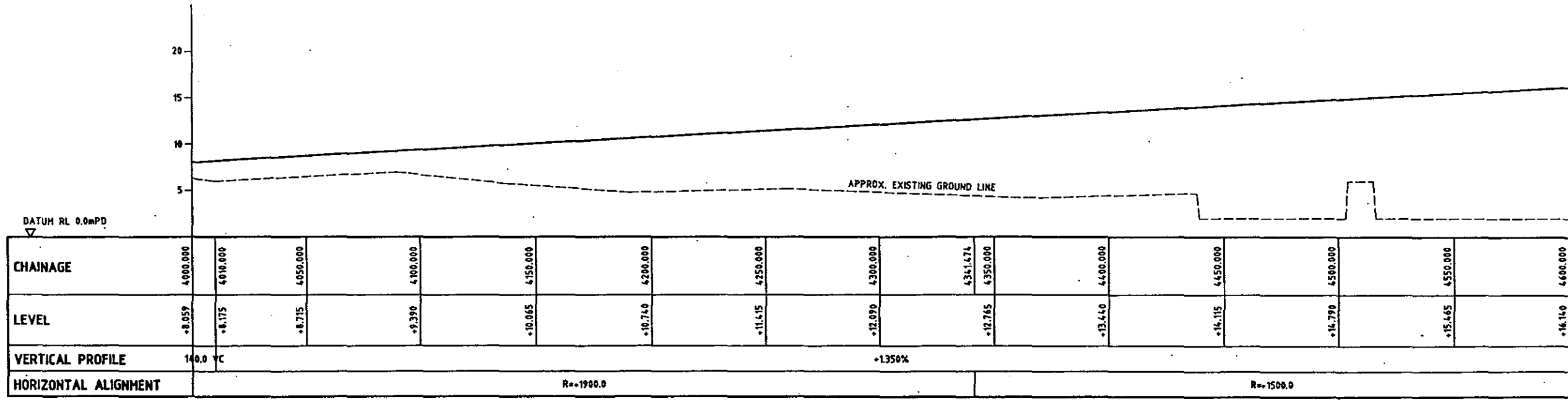
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VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



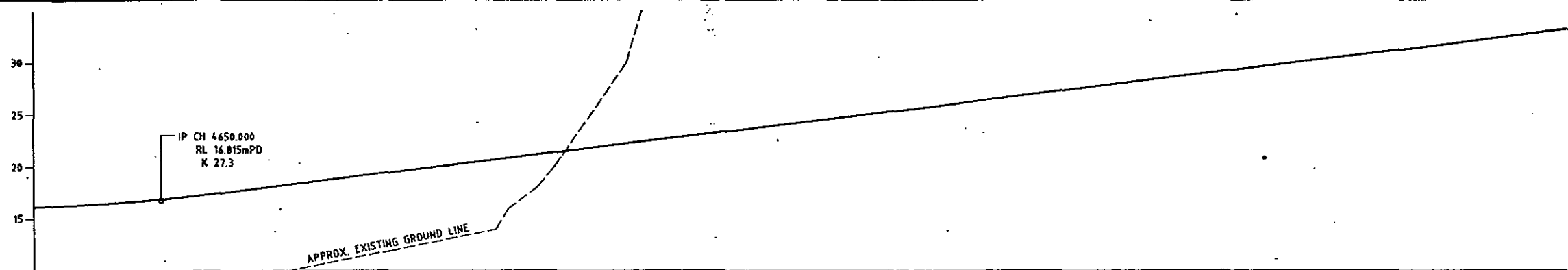
VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)

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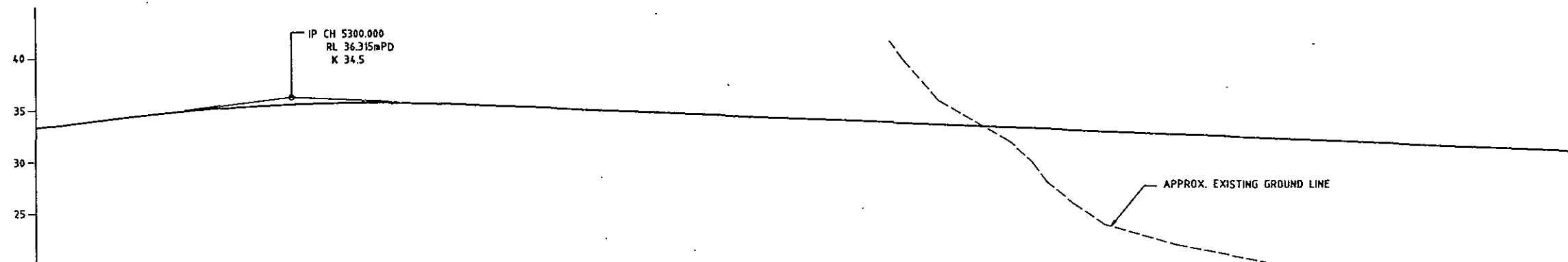
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PROPOSED VERTICAL PROFILE



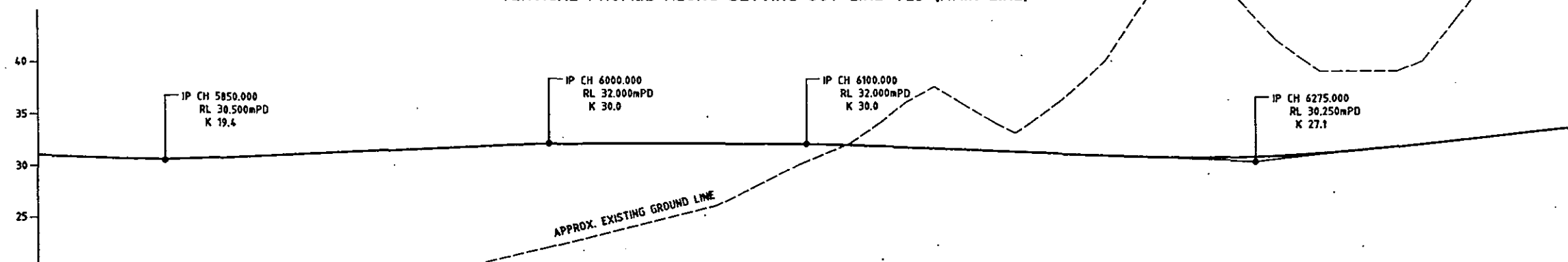
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LEVEL	+16.140	+16.511	+16.908	+17.490	+18.315	+19.815	+21.315	+22.815	+24.315	+25.815	+27.315	+28.815	+30.315	+31.815	+33.315		
VERTICAL PROFILE	+1.350%		45.0 VC													+3.000%	
HORIZONTAL ALIGNMENT	R=1500.0																

VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



CHAINAGE	5200.000	5230.000	5250.000	5264.648	5300.000	5350.000	5370.000	5400.000	5450.000	5500.000	5550.000	5600.000	5650.000	5700.000	5704.778	5750.000	5800.000		
LEVEL	+33.315	+34.215	+34.757		+35.605	+35.728	+35.575	+35.258	+34.729	+34.200	+33.672	+33.143	+32.615	+32.086	5704.778	+31.557	+31.029		
VERTICAL PROFILE	+3.000%		140.0 VC					STRAIGHT										-1.057%	
HORIZONTAL ALIGNMENT	R=1500.0																	R=1800.0	

VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



CHAINAGE	5800.000	5830.000	5850.000	5870.000	5900.000	5950.000	5954.098	5985.000	6000.000	6015.000	6050.000	6085.000	6100.000	6115.000	6150.000	6200.000	6225.000	6250.000	6300.000	6325.000	6350.000	6372.392	6400.000			
LEVEL	+31.029	+30.711	+30.603	+30.700	+31.000	+31.500	5954.098	+31.850	+31.963	+32.000	+32.000	+32.000	+31.963	+31.850	+31.500	+31.000	+30.750	+30.615	+31.039	+31.597	+32.270	6372.392	+33.617			
VERTICAL PROFILE	-1.057%		40.0 VC		+1.000%			30.0 VC		+0.000%			30.0 VC		-1.000%			100.0 VC			+2.693%					
HORIZONTAL ALIGNMENT	R=1800.0																						STRAIGHT		TL=75.0	

VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)

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Scale	AS SHOWN	All dimensions are in metres unless shown otherwise	

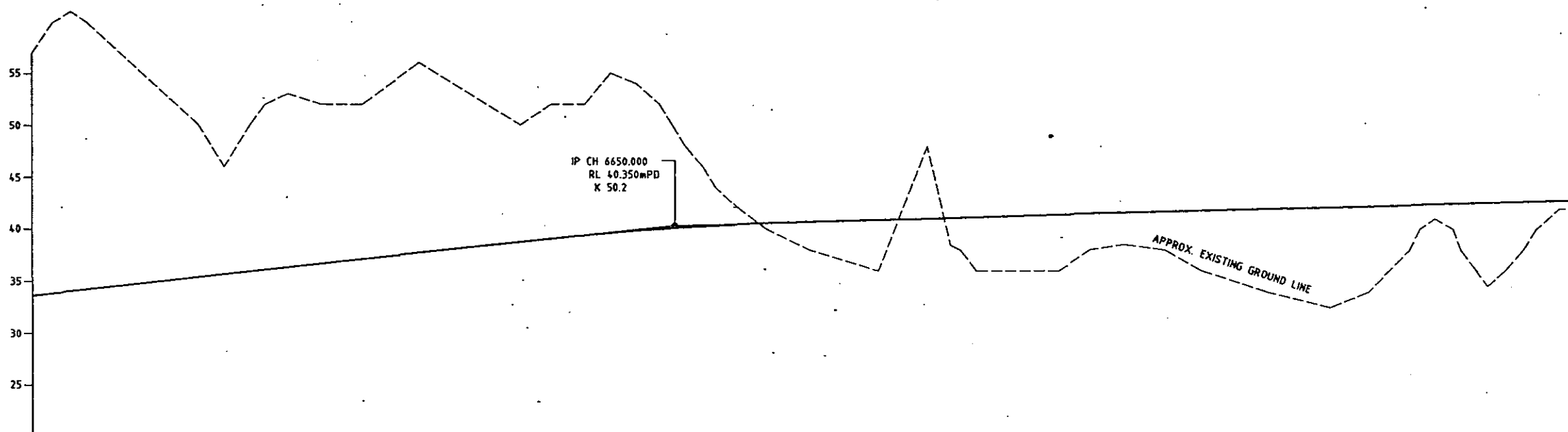
HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK
SECTION AND TING KAU BRIDGE
PRELIMINARY DESIGN STAGE 2

PROPOSED VERTICAL PROFILE

SHEET 3 OF 12

92393/01/123

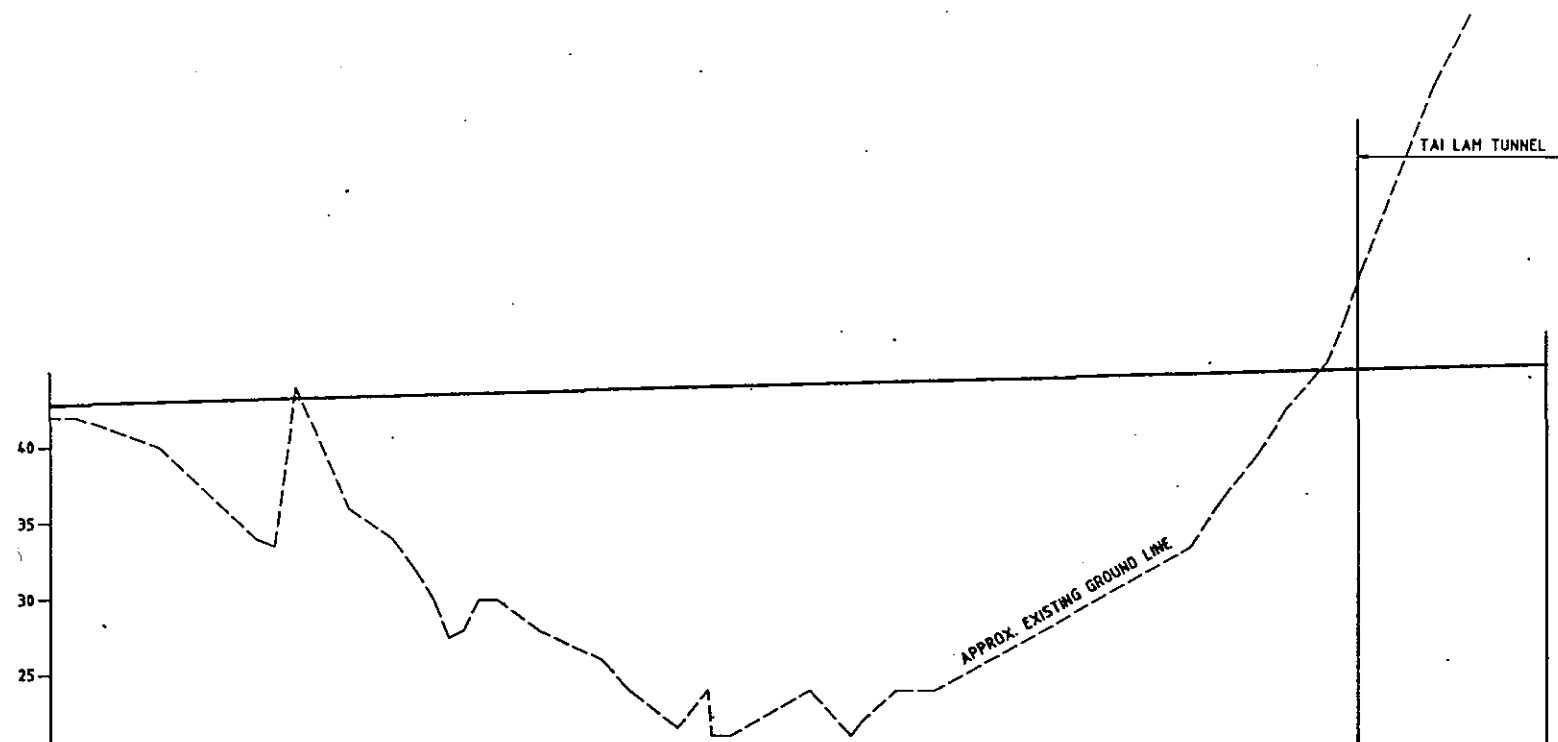
FREEMAN FOX MAUNSELL



DATUM RL 20.0mPD

CHAINAGE	6400.000	6447.392	6450.000	6500.000	6550.000	6600.000	6650.000	6700.000	6700.000	6750.000	6788.693	6800.000	6850.000	6850.000	6900.000	6950.000	6950.000	7000.000
LEVEL	+33.617		+34.983	+36.310	+37.657	+39.003	+40.101	+40.700	+40.700	+41.050	+41.400		+41.750	+41.750	+42.100	+42.450	+42.450	+42.800
VERTICAL PROFILE				+2.693%			100.0 VC			+0.700%								
HORIZONTAL ALIGNMENT	TL=75.0		R=+1000.0						TL=75.0		STRAIGHT		LT=75.0					

VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



DATUM RL 20.0mPD

CHAINAGE	7000.000	7029.803	7050.000	7100.000	7150.000	7200.000	7250.000	7300.000	7350.000	7400.000
LEVEL	+42.800		+43.150	+43.500	+43.850	+44.200	+44.550	+44.900	+45.250	+45.600
VERTICAL PROFILE	+0.700%									
HORIZONTAL ALIGNMENT	LT=75.0		R=+1027.75							

VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)

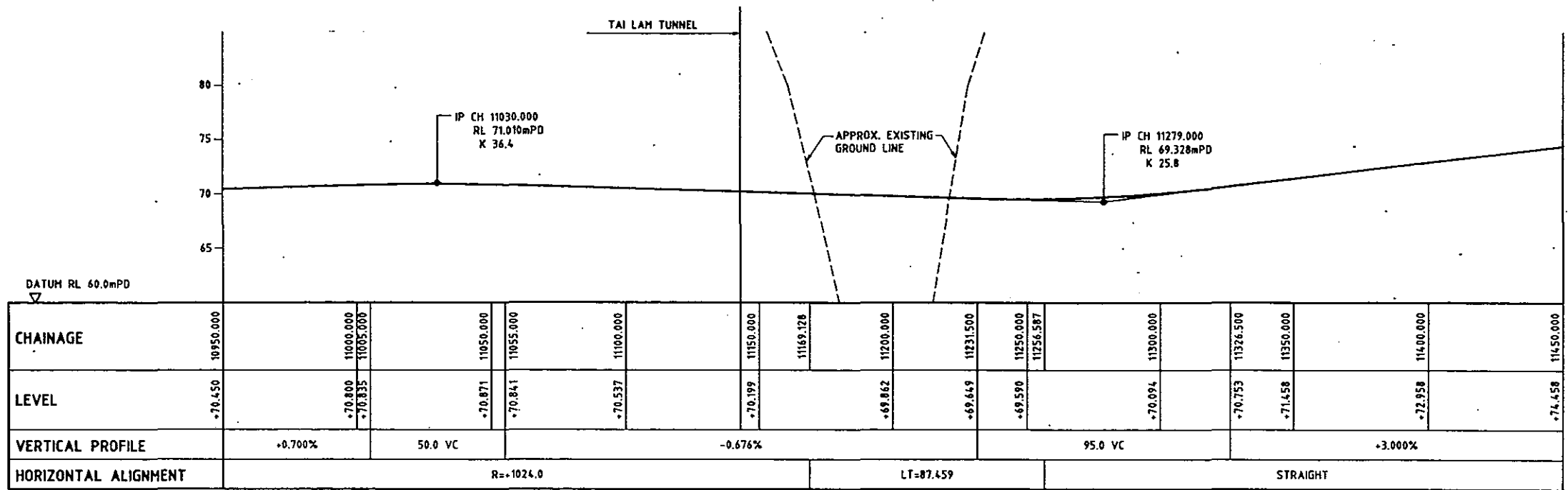
NOTE :-
THIS DRAWING HAS BEEN REDUCED TO
APPROXIMATELY HALF THE ORIGINAL SCALE

No.	Date	Description	Checked
Revision			
Designed	S CHAN	Checked	
Drawn	S CHAN	Checked	
Approved For Issue		Date of Issue	
Date	SEPT 1993	Copyright Reserved	
Scale	AS SHOWN	All dimensions are in metres unless shown otherwise	

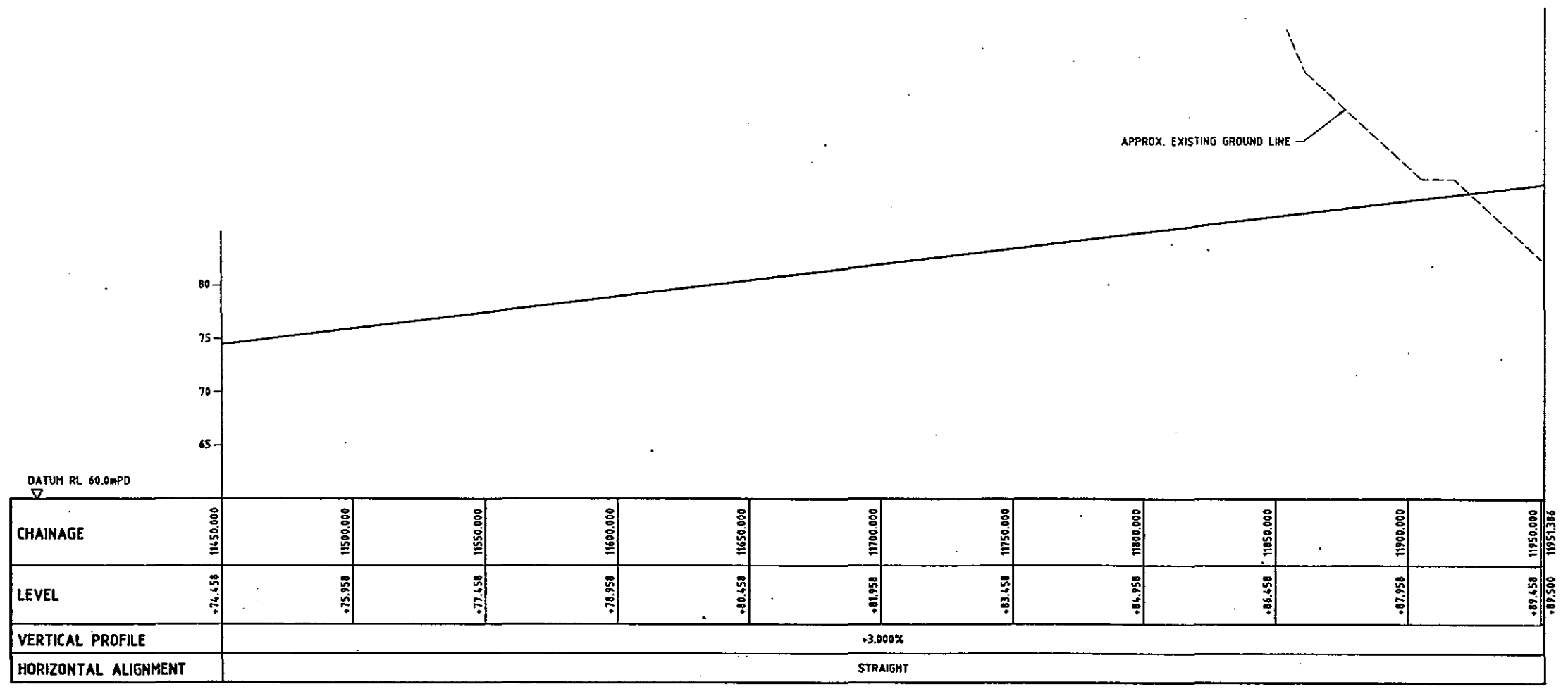
HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE
PRELIMINARY DESIGN STAGE 2

PROPOSED VERTICAL PROFILE

SHEET 4 OF 12
Dwg. No. 92393/01/124
FREEMAN FOX MAUNSELL



VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)



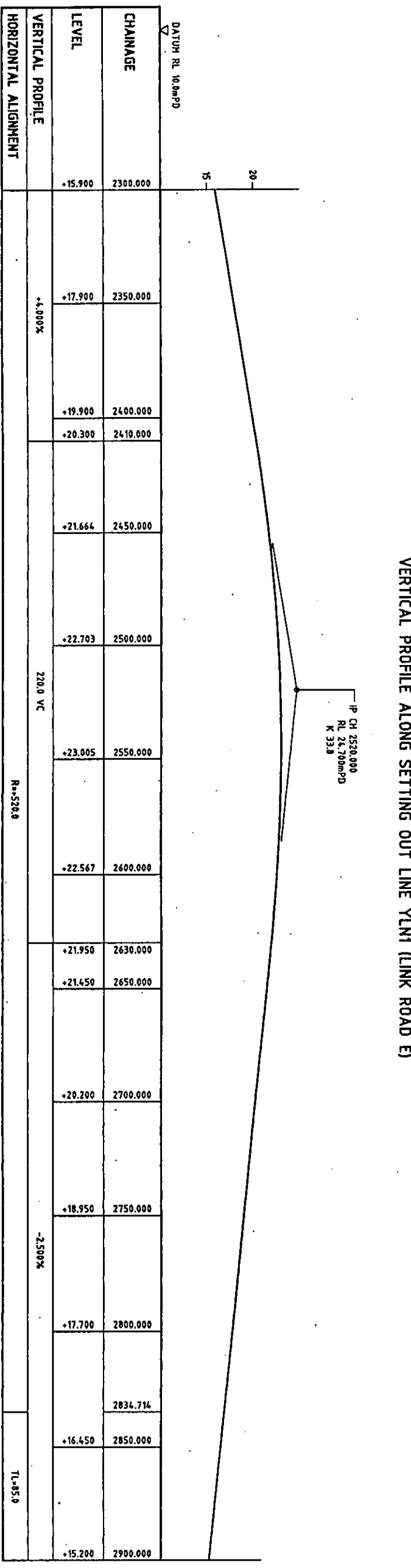
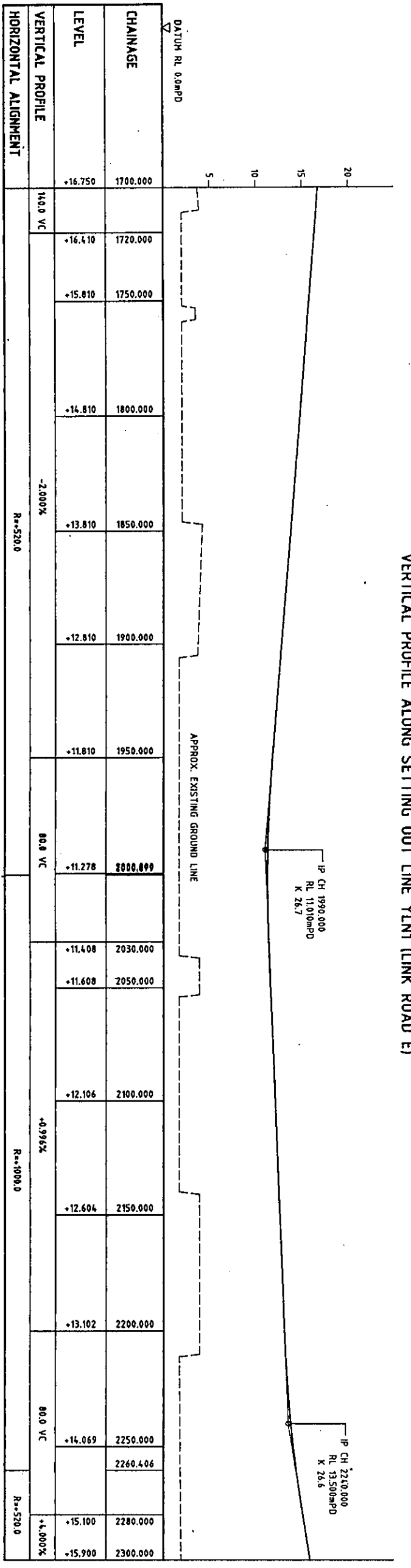
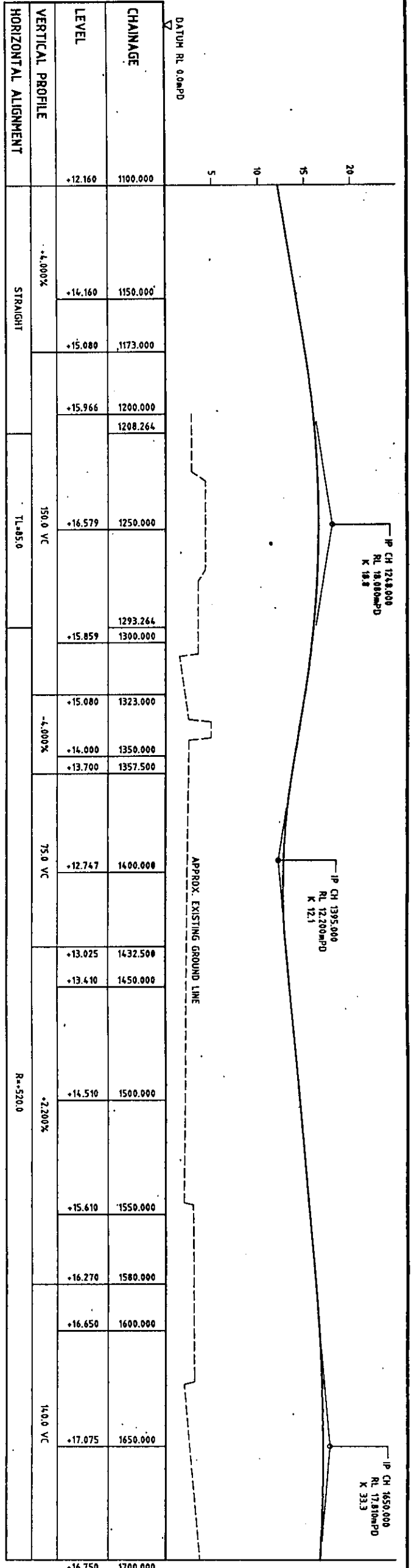
VERTICAL PROFILE ALONG SETTING OUT LINE YL3 (MAIN LINE)

NOTE :-
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Drawn	S CHAN	Checked	
Approved For Issue		Date of Issue	
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HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE
PRELIMINARY DESIGN STAGE 2

PROPOSED VERTICAL PROFILE



NOTE: - THIS DRAWING HAS BEEN REDUCED TO APPROXIMATELY HALF THE ORIGINAL SCALE

No.	Date	Description	Checked

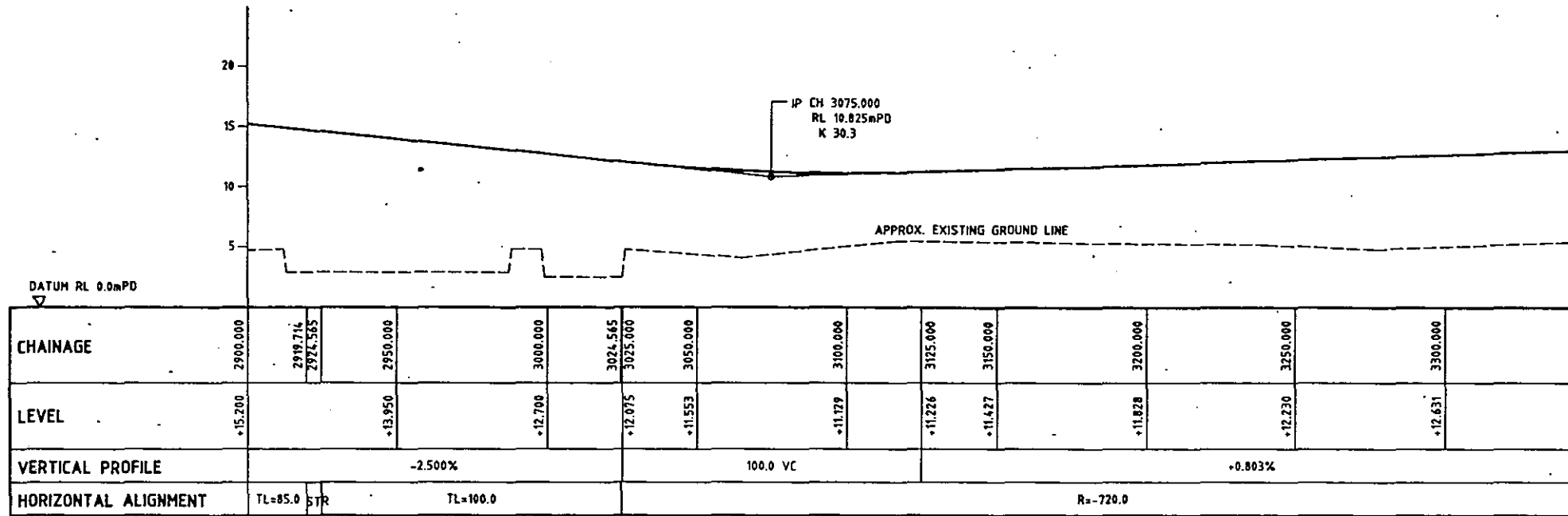
DESIGNED BY S. CHAN
 DRAWN BY S. CHAN
 APPROVED FOR ISSUE BY S. CHAN
 DATE: SEPT 1993
 SCALE: AS SHOWN

WESTERN HARBOUR LINK OFFICE
 ROUTE 3 COUNTRY PARK
 SECTION AND TING KAU BRIDGE
 PRELIMINARY DESIGN STAGE 2

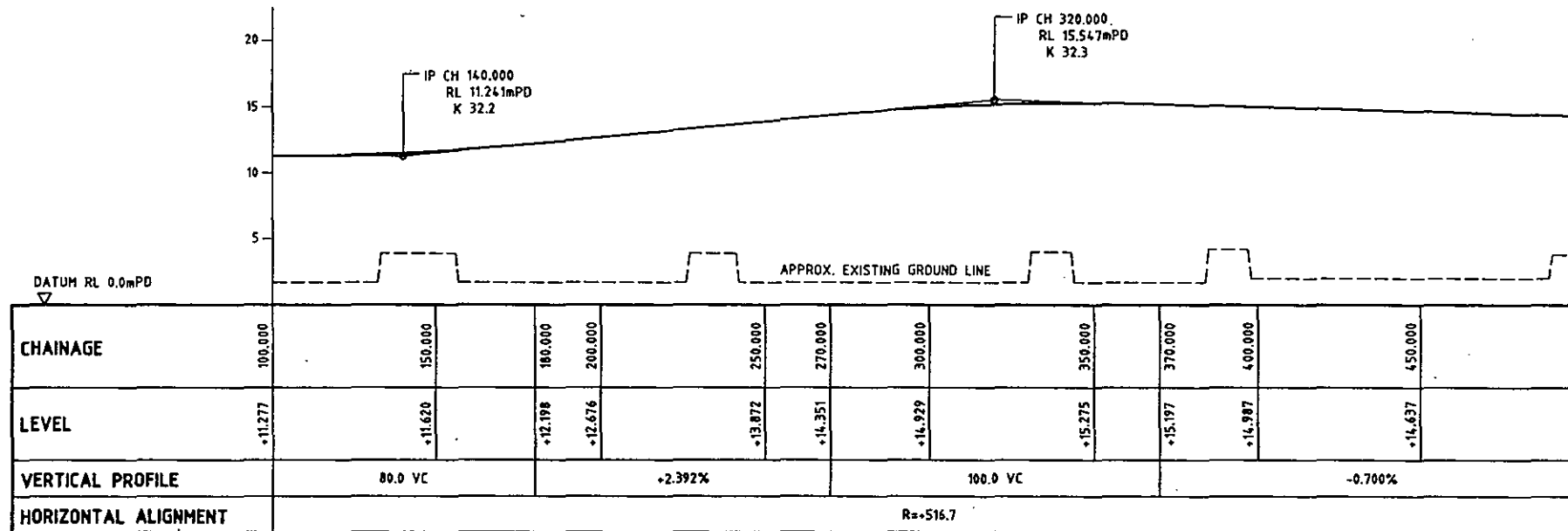
HIGHWAYS DEPARTMENT

PROPOSED VERTICAL PROFILE

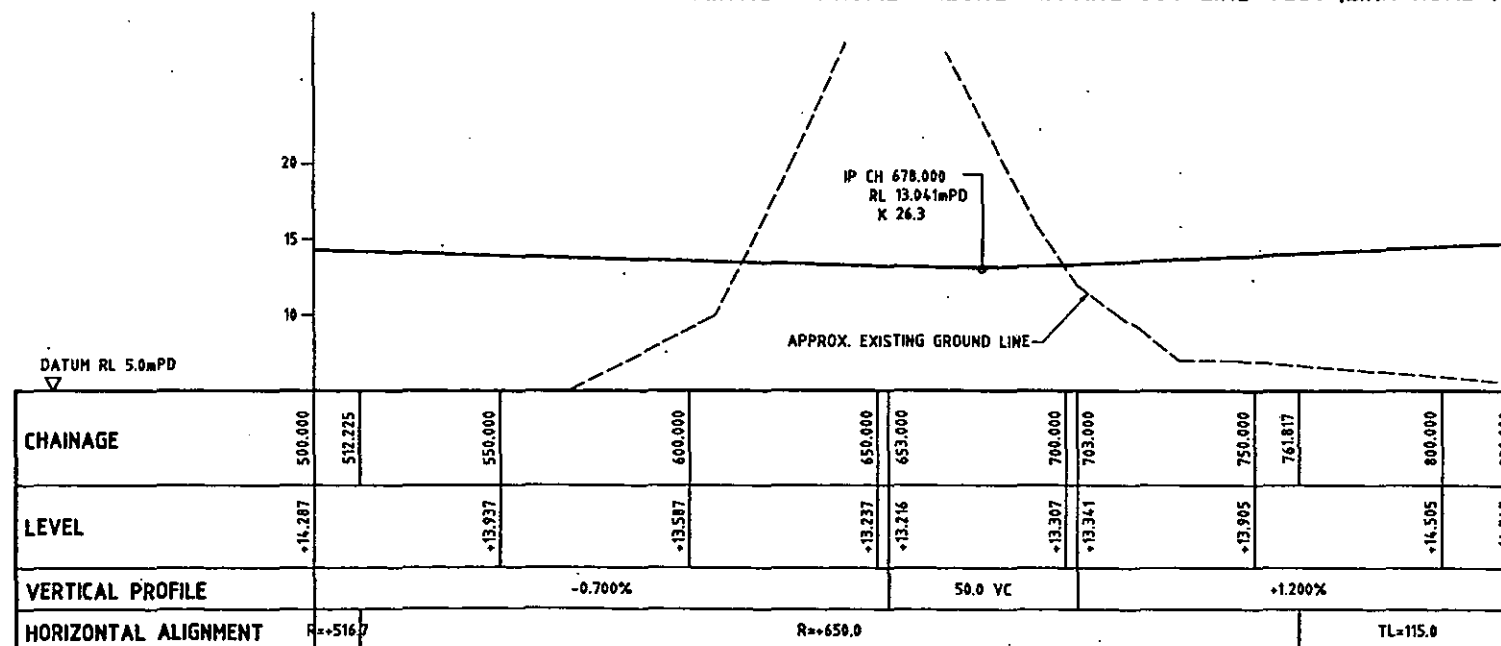
92393/01/126
 SHEET 6 OF 12
 FREEMAN FOX MAUNSELL



VERTICAL PROFILE ALONG SETTING OUT LINE YLN1 (LINK ROAD E)



VERTICAL PROFILE ALONG SETTING OUT LINE YLS1 (LINK ROAD F)



VERTICAL PROFILE ALONG SETTING OUT LINE YLS1 (LINK ROAD F)

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Drawn	S CHAN	Checked	
Approved Per Issue		Date of Issue	
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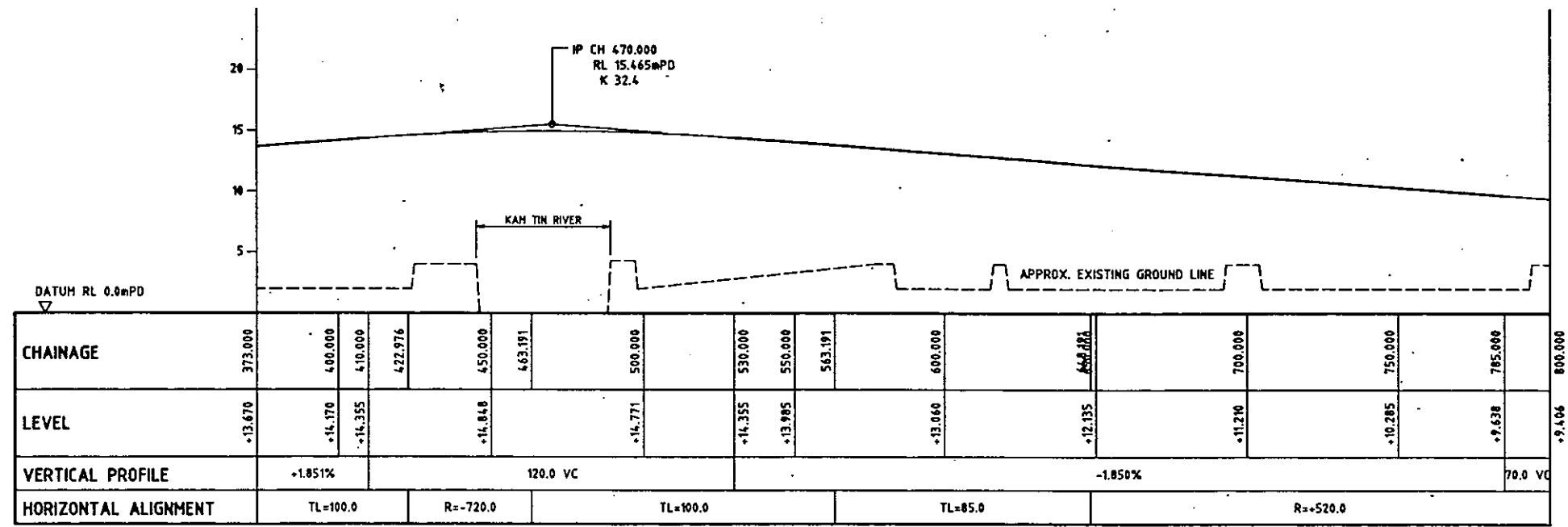
ROUTE 3 COUNTRY PARK
SECTION AND TING KAU BRIDGE
PRELIMINARY DESIGN STAGE 2

PROPOSED VERTICAL PROFILE

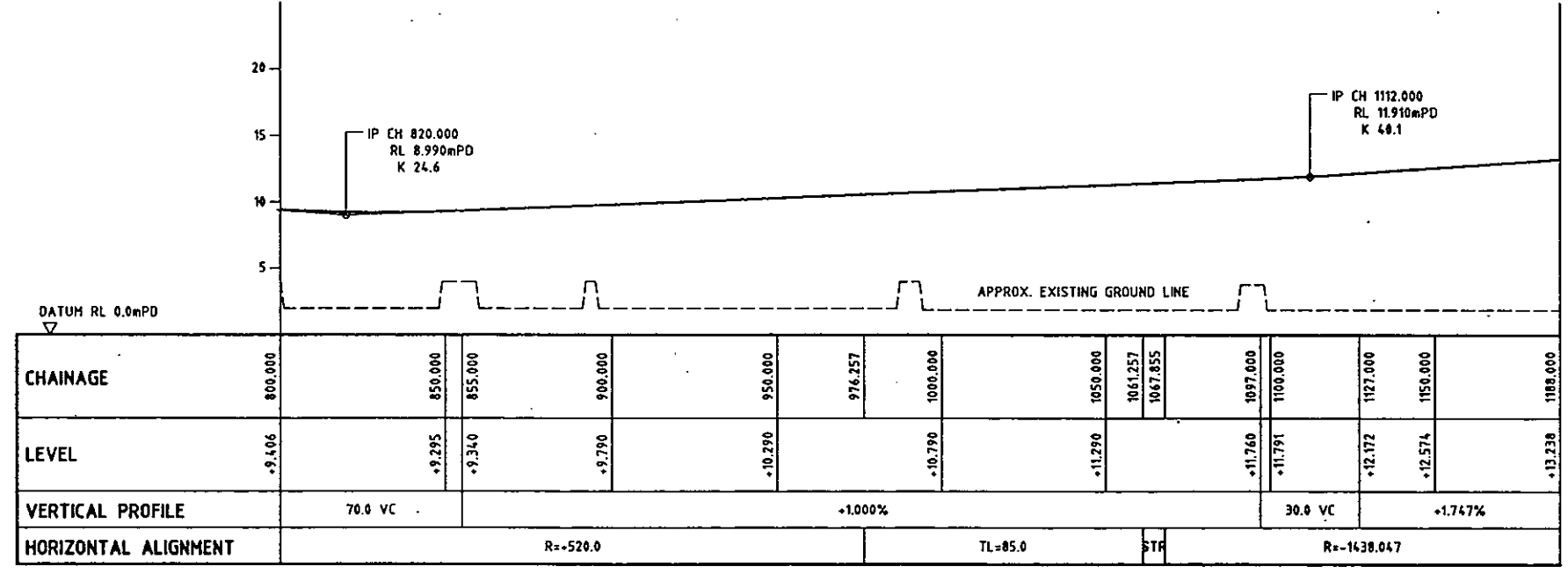
SHEET 7 OF 12

92393/01/127

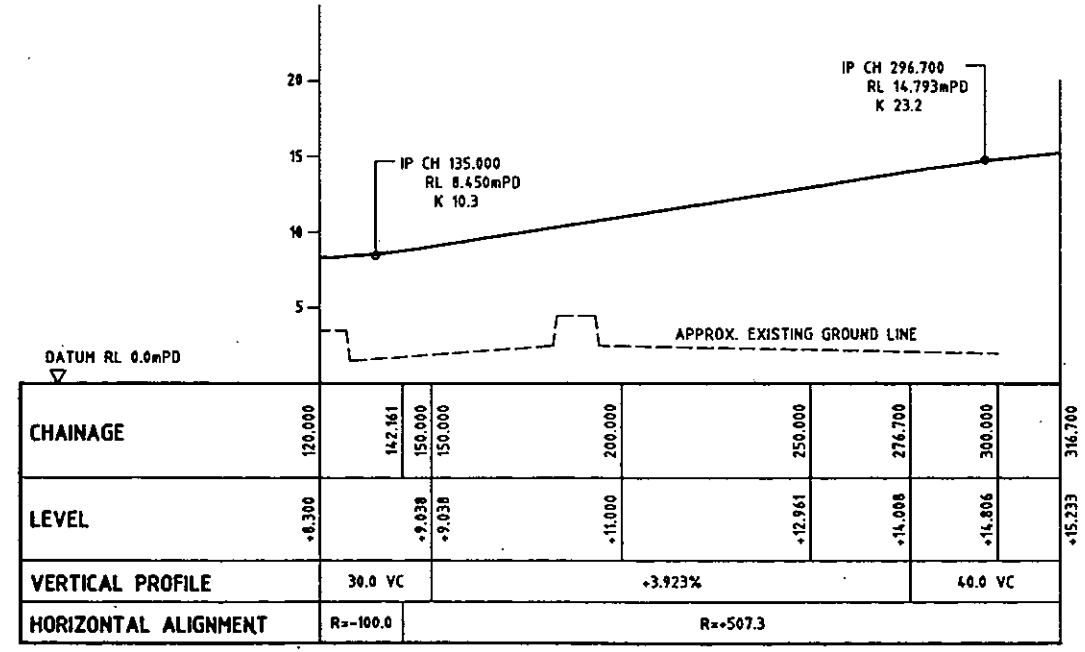
FREEMAN FOX MAUNSELL



VERTICAL PROFILE ALONG SETTING OUT LINE YLN3 (LINK ROAD H)



VERTICAL PROFILE ALONG SETTING OUT LINE YLN3 (LINK ROAD H)



VERTICAL PROFILE ALONG SETTING OUT LINE YLN2 (POK OI NORTH-BOUND SLIP ROAD)

NOTE :-
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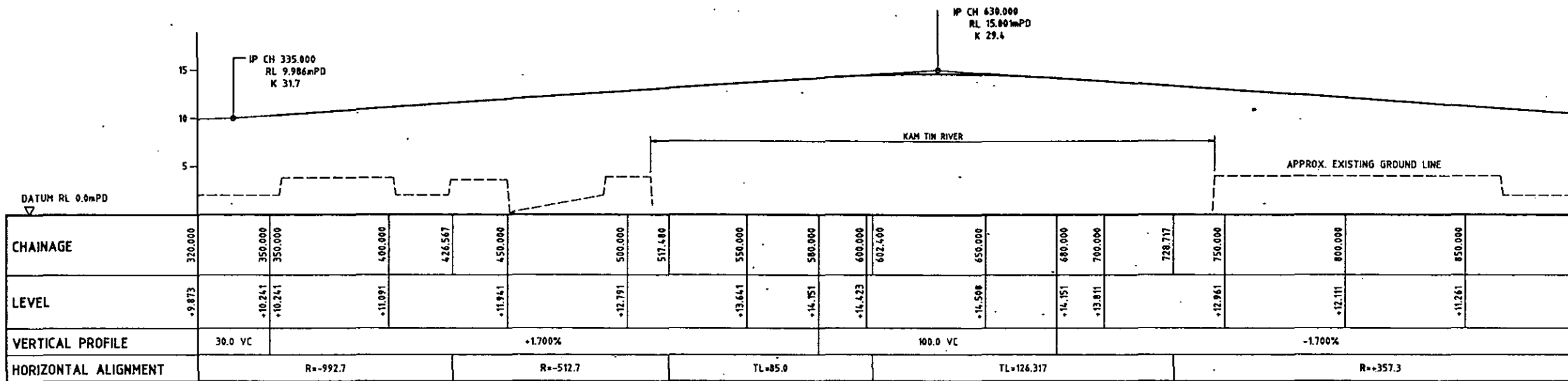
No.	Date	Description	Checked
Revision			
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Drawn	S CHAN	Checked	
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WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK
SECTION AND TING KAU BRIDGE
PRELIMINARY DESIGN STAGE 2

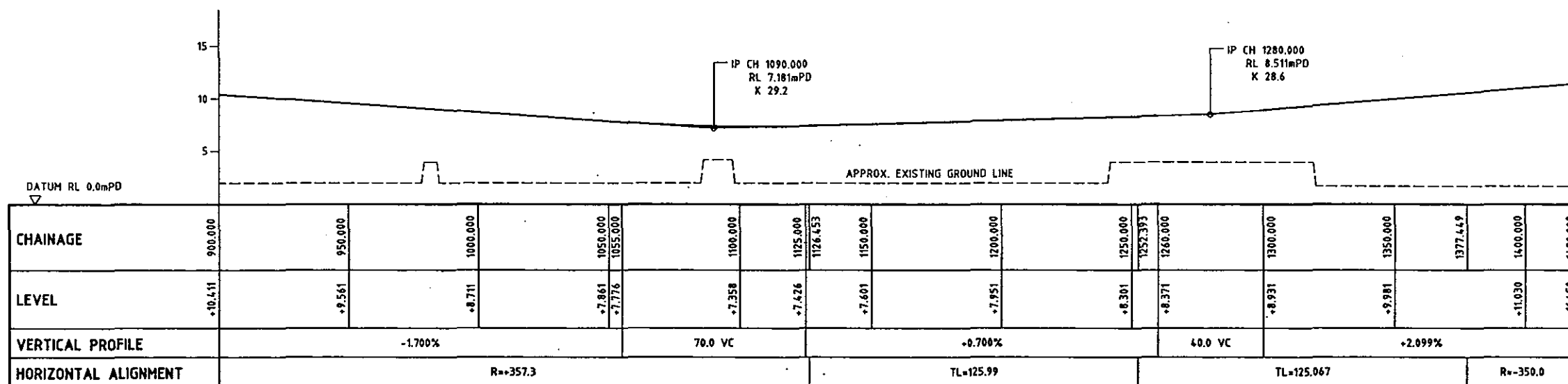
PROPOSED VERTICAL PROFILE

SHEET 8 OF 12
92393/01/128

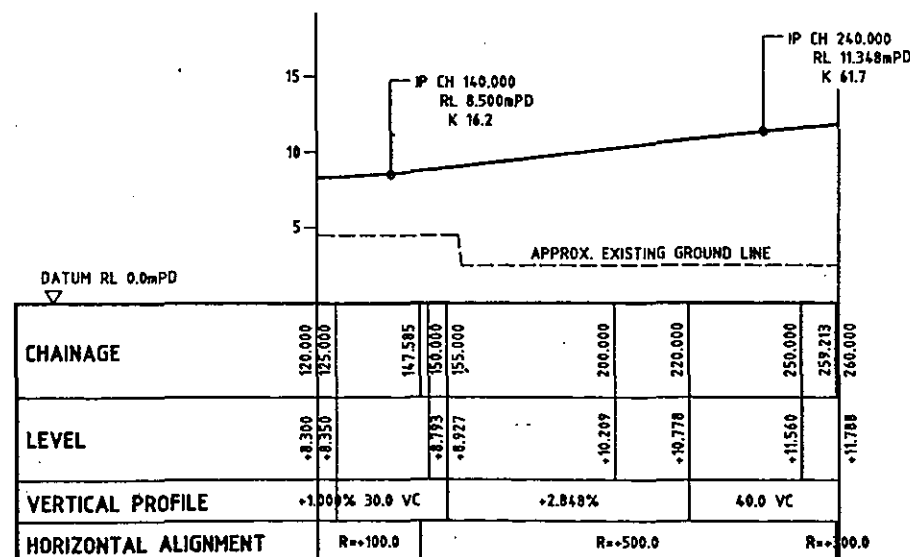
FREEMAN FOX MAUNSELL



VERTICAL PROFILE ALONG SETTING OUT LINE YLS3 (LINK ROAD G)



VERTICAL PROFILE ALONG SETTING OUT LINE YLS3 (LINK ROAD G)

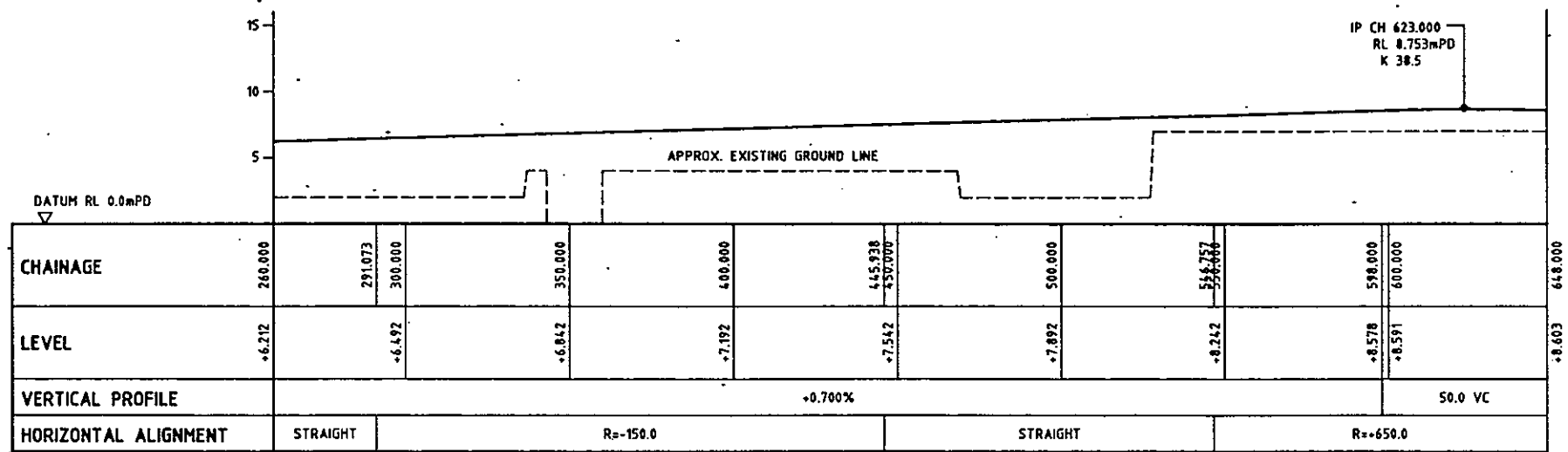


VERTICAL PROFILE ALONG SETTING OUT LINE YLS2 (POK OF SOUTH-BOUND SLIP ROAD)

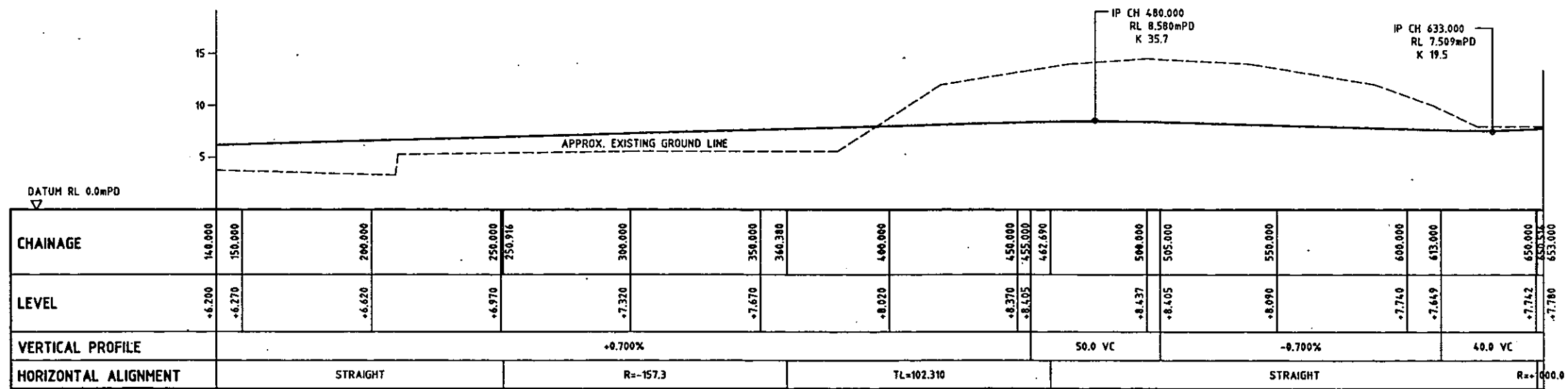
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Drawn	S CHAN		Checked
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WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE PRELIMINARY DESIGN STAGE 2



VERTICAL PROFILE ALONG SETTING OUT LINE LINK ROAD I



VERTICAL PROFILE ALONG SETTING OUT LINE LINK ROAD J

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Scale	AS SHOWN	All dimensions are in metres unless shown otherwise	

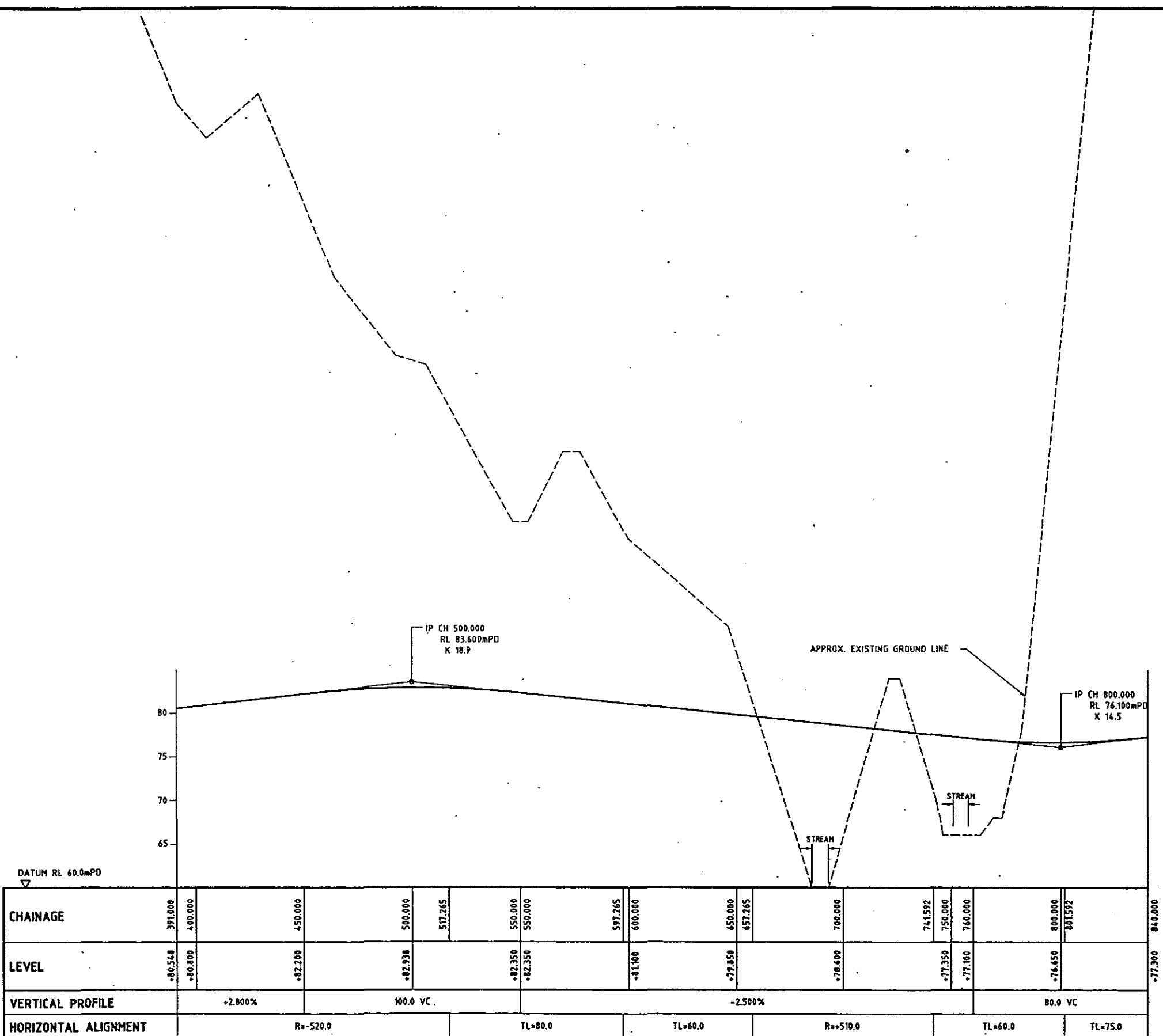
HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE PRELIMINARY DESIGN STAGE 2

PROPOSED VERTICAL PROFILE

SHEET 10 OF 12

92393/01/130

FREEMAN FOX MAUNSELL



CHAINAGE	391.000	400.000	450.000	500.000	517.265	550.000	550.000	597.265	600.000	650.000	657.265	700.000	741.592	750.000	760.000	800.000	815.92	840.000
LEVEL	+80.548	+80.800	+82.200	+82.938		+82.350	+82.350	+81.100		+79.850		+76.600		+77.350	+77.100	+76.650		+77.300
VERTICAL PROFILE	+2.800%		100.0 VC				-2.500%					80.0 VC						
HORIZONTAL ALIGNMENT	R=-520.0				TL=80.0		TL=60.0		R=+510.0			TL=60.0		TL=75.0				

VERTICAL PROFILE ALONG SETTING OUT LINE LINK ROAD C

NOTE :-
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Revision			
Designed	S CHAN		Checked
Drawn	S CHAN		Checked
Approved For Issue			Date Of Issue
Date	SEPT 1993		© Copyright Reserved
Scale	AS SHOWN	All dimensions are in metres unless shown otherwise	

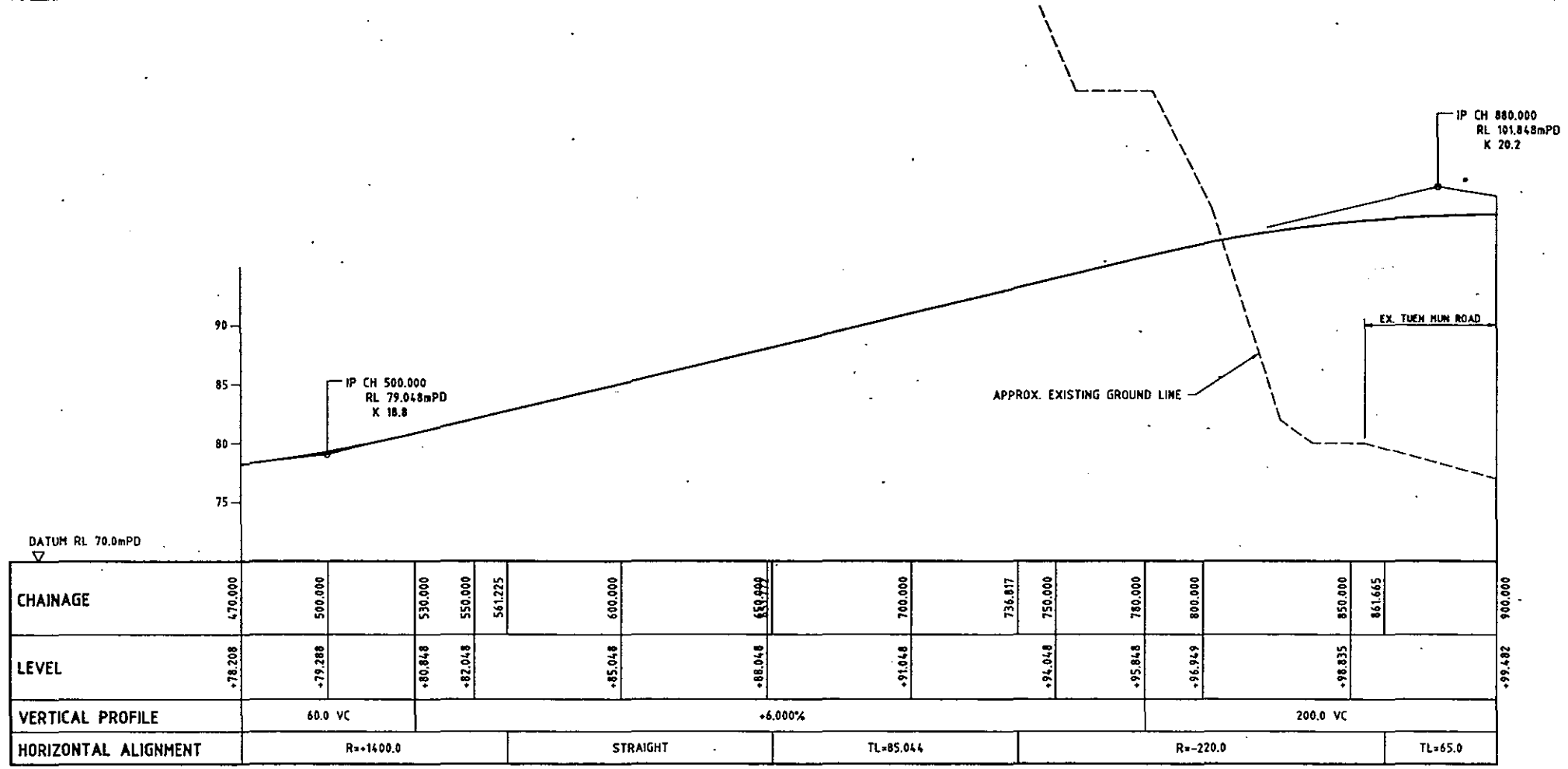
HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE
PRELIMINARY DESIGN STAGE 2

PROPOSED VERTICAL PROFILE

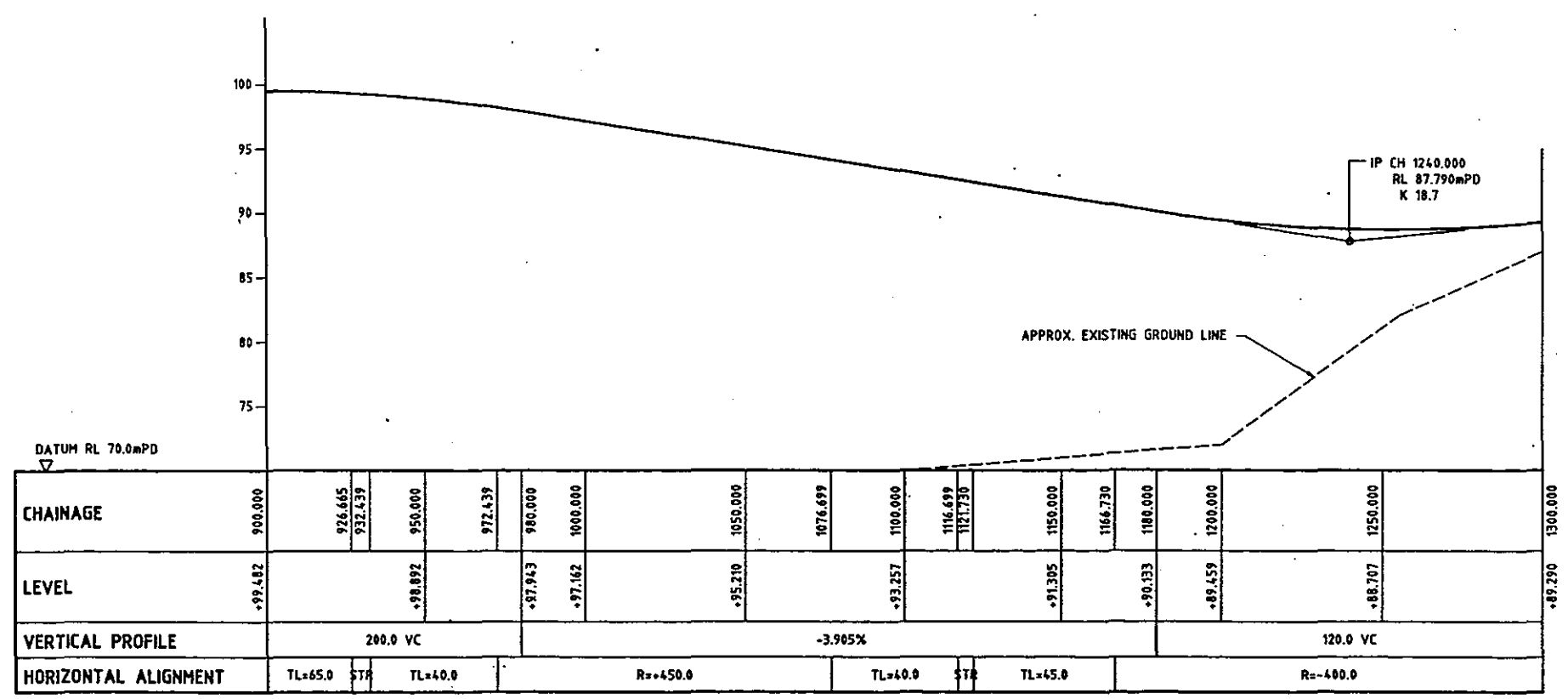
SHEET 11 OF 12

Proj. No. 92393/01/131

FREEMAN FOX MAUNSELL



VERTICAL PROFILE ALONG SETTING OUT LINE LINK ROAD D



VERTICAL PROFILE ALONG SETTING OUT LINE LINK ROAD D

NOTE :-
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Revisions			
Designed	S CHAN		Checked
Drawn	S CHAN		Checked
Approved For Issue			Date of Issue
Date	SEPT 1993		© Copyright Reserved
Scale	AS SHOWN	All dimensions are in metres unless shown otherwise	

HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE

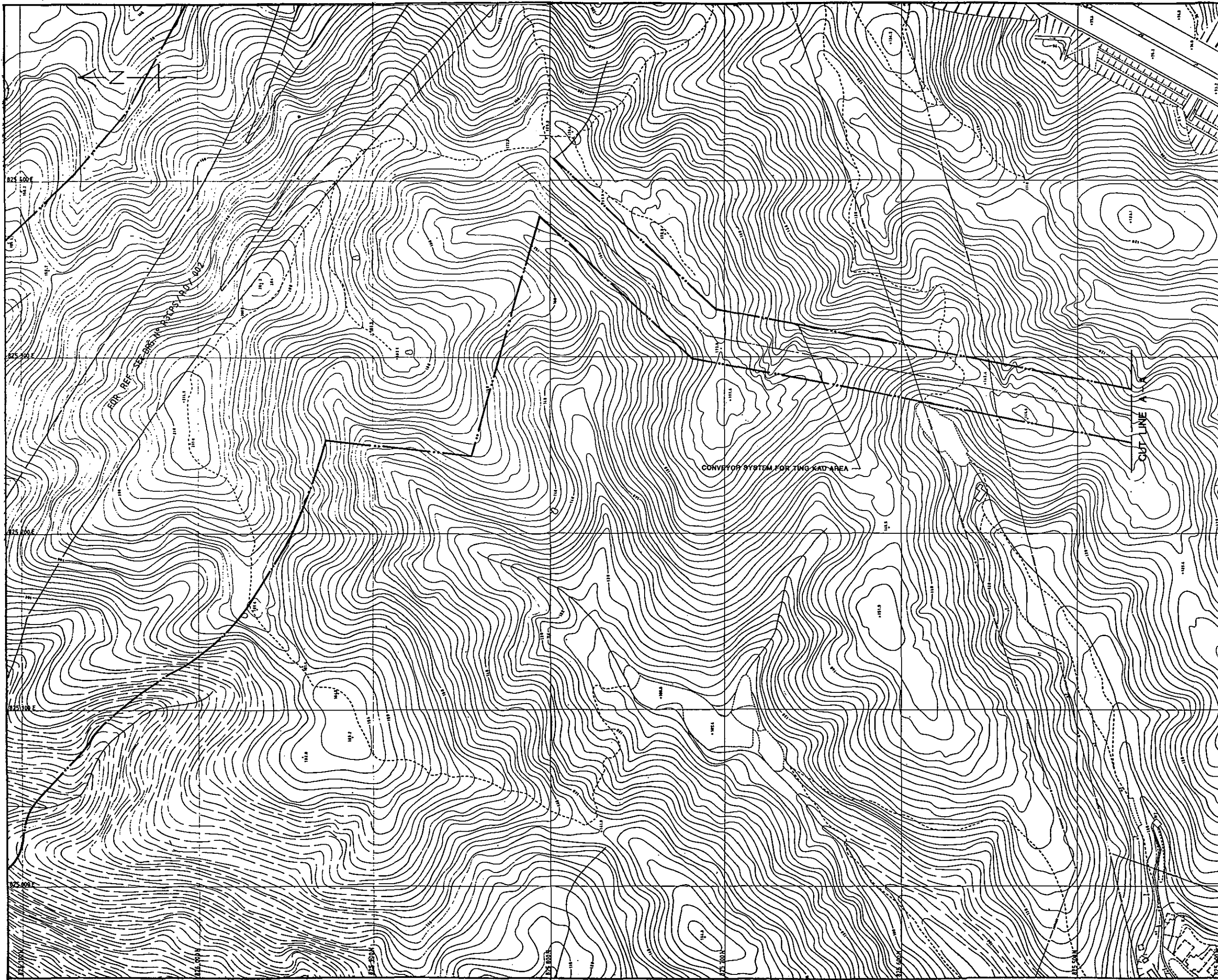
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE PRELIMINARY DESIGN STAGE 2

PROPOSED VERTICAL PROFILE

SHEET 12 OF 12

92393/01/132

FREEMAN FOX MAUNSELL



LEGEND :

--- LIMIT OF WORKS AREA

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Designed		Checked	
Drawn		Checked	
Approved For Issue		Date of Issue	
Date	JULY 1993	© Copyright Reserved	
Scale	1 : 1000		

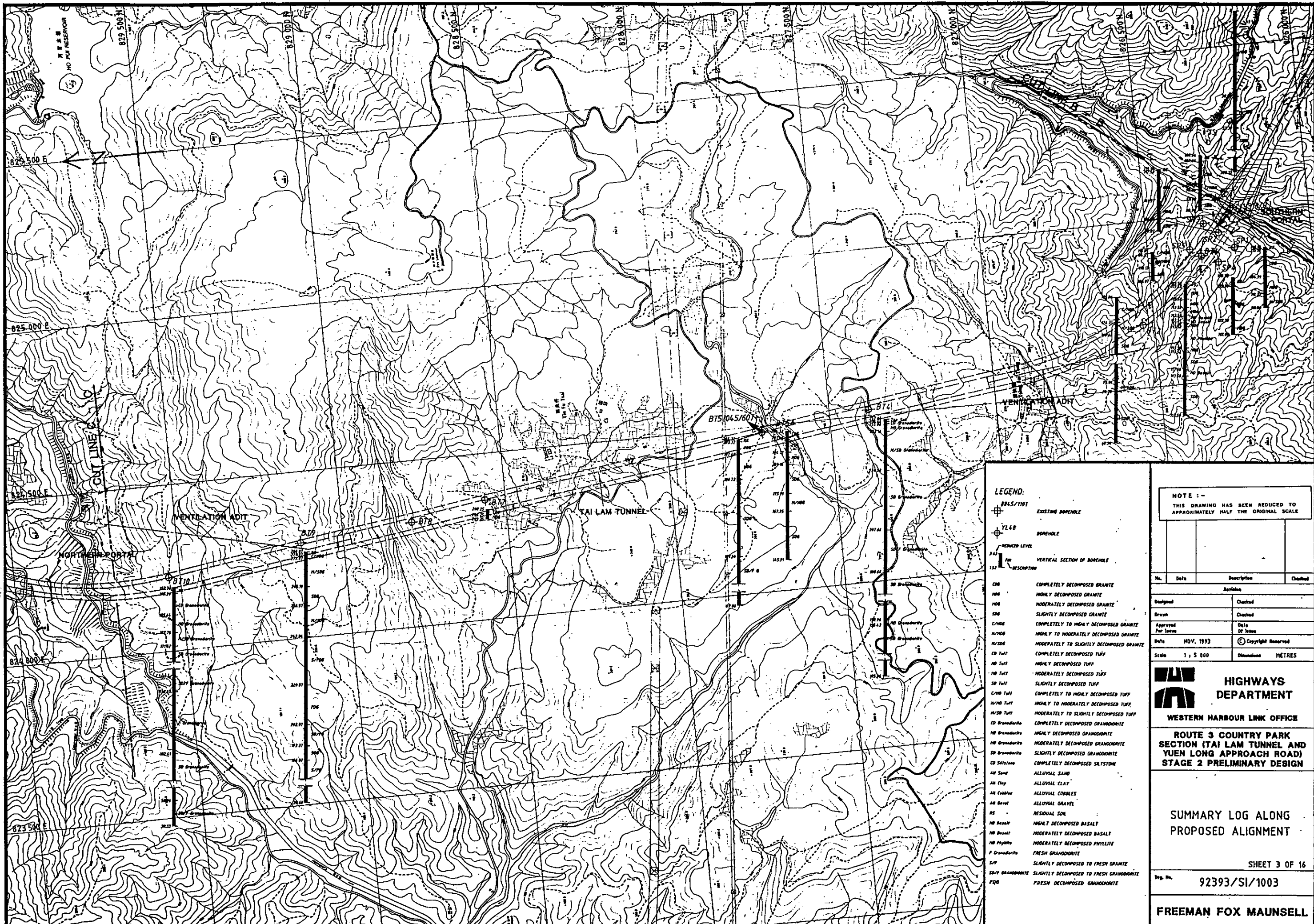
HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION AND TING KAU BRIDGE
PRELIMINARY DESIGN STAGE 2

PROPOSED CONVEYOR ROUTE

SHEET 1 OF 2

Drp. No. 92393/SK/265

FREEMAN FOX MAUNSELL



LEGEND:

- ⊕ 8845/1101 EXISTING BOREHOLE
- ⊕ YL48 BOREHOLE
- REDUCED LEVEL
- VERTICAL SECTION OF BOREHOLE
- DESCRIPTION

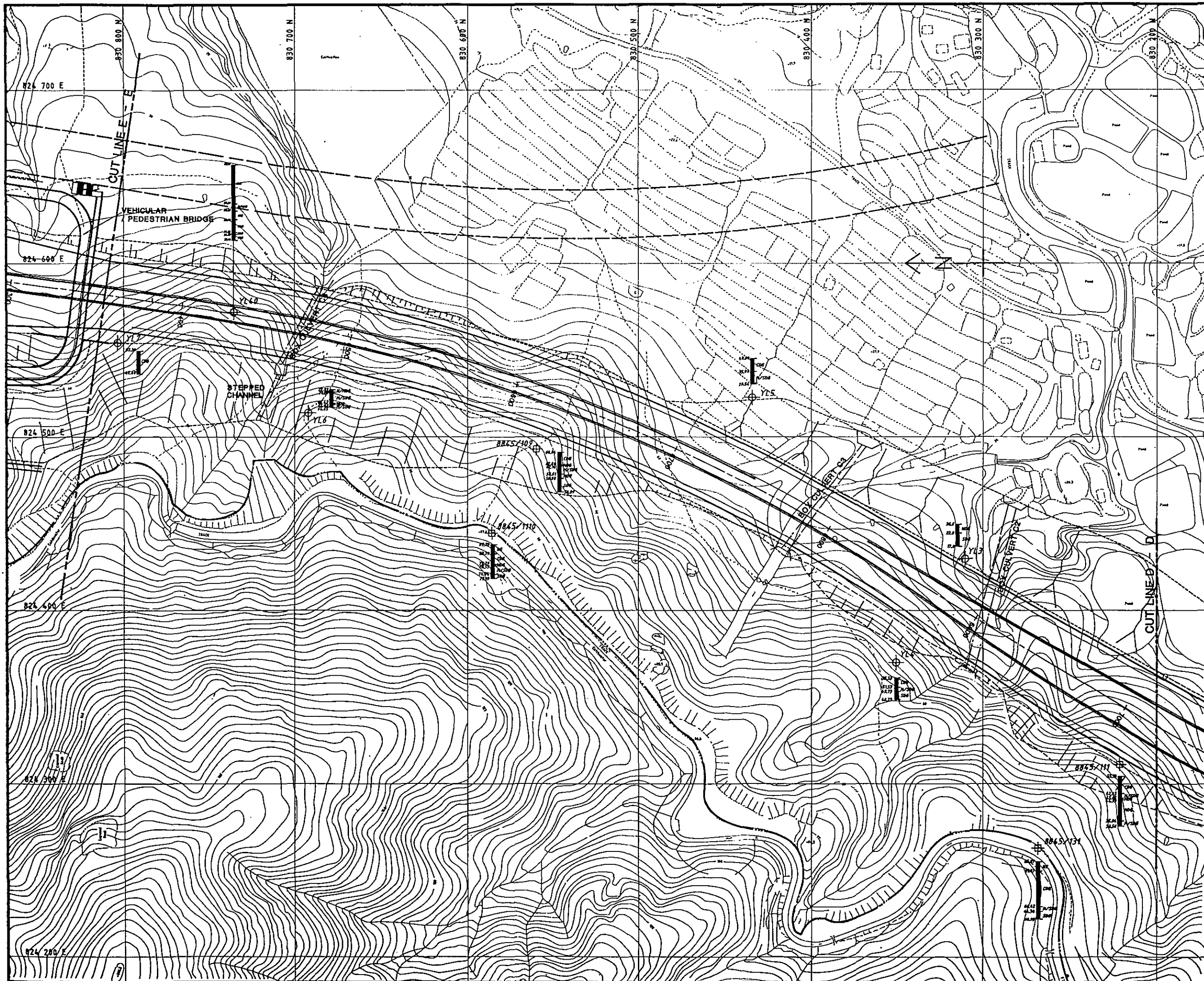
CD	COMPLETELY DECOMPOSED GRANITE
HG	HIGHLY DECOMPOSED GRANITE
MO	MODERATELY DECOMPOSED GRANITE
SL	SLIGHTLY DECOMPOSED GRANITE
C/100	COMPLETELY TO HIGHLY DECOMPOSED GRANITE
H/100	HIGHLY TO MODERATELY DECOMPOSED GRANITE
M/500	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
CD Tuff	COMPLETELY DECOMPOSED TUFF
HG Tuff	HIGHLY DECOMPOSED TUFF
MO Tuff	MODERATELY DECOMPOSED TUFF
SL Tuff	SLIGHTLY DECOMPOSED TUFF
C/100 Tuff	COMPLETELY TO HIGHLY DECOMPOSED TUFF
H/100 Tuff	HIGHLY TO MODERATELY DECOMPOSED TUFF
M/500 Tuff	MODERATELY TO SLIGHTLY DECOMPOSED TUFF
CD Gneiss	COMPLETELY DECOMPOSED GRANODIORITE
HG Gneiss	HIGHLY DECOMPOSED GRANODIORITE
MO Gneiss	MODERATELY DECOMPOSED GRANODIORITE
SL Gneiss	SLIGHTLY DECOMPOSED GRANODIORITE
CD Siltstone	COMPLETELY DECOMPOSED SLTSTONE
All Sand	ALLUVIAL SAND
All Clay	ALLUVIAL CLAY
All Cobble	ALLUVIAL COBBLES
All Gravel	ALLUVIAL GRAVEL
RS	RESIDUAL SOIL
HG Basalt	HIGHLY DECOMPOSED BASALT
MO Basalt	MODERATELY DECOMPOSED BASALT
HG Phyllite	MODERATELY DECOMPOSED PHYLLITE
F Gneiss	FRESH GRANODIORITE
SL/G	SLIGHTLY DECOMPOSED TO FRESH GRANITE
SL/G GRANODIORITE	SLIGHTLY DECOMPOSED TO FRESH GRANODIORITE
POG	FRESH DECOMPOSED GRANODIORITE

NOTE :-
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Design			Checked
Drawn			Checked
Approved For Issue		Date Of Issue	
Date	NOV. 1993	Copyright Reserved	
Scale	1 : 5 000	Dimension	METRES

HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT
SHEET 3 OF 16
Dwg. No. 92393/SI/1003
FREEMAN FOX MAUNSELL



LEGEND:

BB45/101	EXISTING BOREHOLE
YL 48	BOREHOLE
REVISED LEVEL	
VERTICAL SECTION OF BOREHOLE	
DESCRIPTION	
CM	COMPLETELY DECOMPOSED GRANITE
HM	HIGHLY DECOMPOSED GRANITE
MM	MODERATELY DECOMPOSED GRANITE
SM	SLIGHTLY DECOMPOSED GRANITE
CMH	COMPLETELY TO HIGHLY DECOMPOSED GRANITE
MMH	HIGHLY TO MODERATELY DECOMPOSED GRANITE
MSM	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
CM Tuff	COMPLETELY DECOMPOSED TUFF
HM Tuff	HIGHLY DECOMPOSED TUFF
MM Tuff	MODERATELY DECOMPOSED TUFF
SM Tuff	SLIGHTLY DECOMPOSED TUFF
CMH Tuff	COMPLETELY TO HIGHLY DECOMPOSED TUFF
MMH Tuff	HIGHLY TO MODERATELY DECOMPOSED TUFF
MSM Tuff	MODERATELY TO SLIGHTLY DECOMPOSED TUFF
CM Brachiopods	COMPLETELY DECOMPOSED BRACHIOPODS
HM Brachiopods	HIGHLY DECOMPOSED BRACHIOPODS
MM Brachiopods	MODERATELY DECOMPOSED BRACHIOPODS
SM Brachiopods	SLIGHTLY DECOMPOSED BRACHIOPODS
CM Shale	COMPLETELY DECOMPOSED SHALE
HM Sand	ALLUVIAL SAND
MM Clay	ALLUVIAL CLAY
SM Cobble	ALLUVIAL COBBLES
MM Sand	ALLUVIAL GRAVEL
MS	RESIDUAL SOIL

NOTE :-
THIS DRAWING HAS BEEN REDUCED TO APPROXIMATELY HALF THE ORIGINAL SCALE

No.	Date	Description	Checked
Revisions			

HIGHWAYS DEPARTMENT

WESTERN HARBOUR LINK OFFICE

ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT

SHEET 5 OF 16

Fig. No. 92393/SI/1005

FREEMAN FOX MAUNSELL



LEGEND:

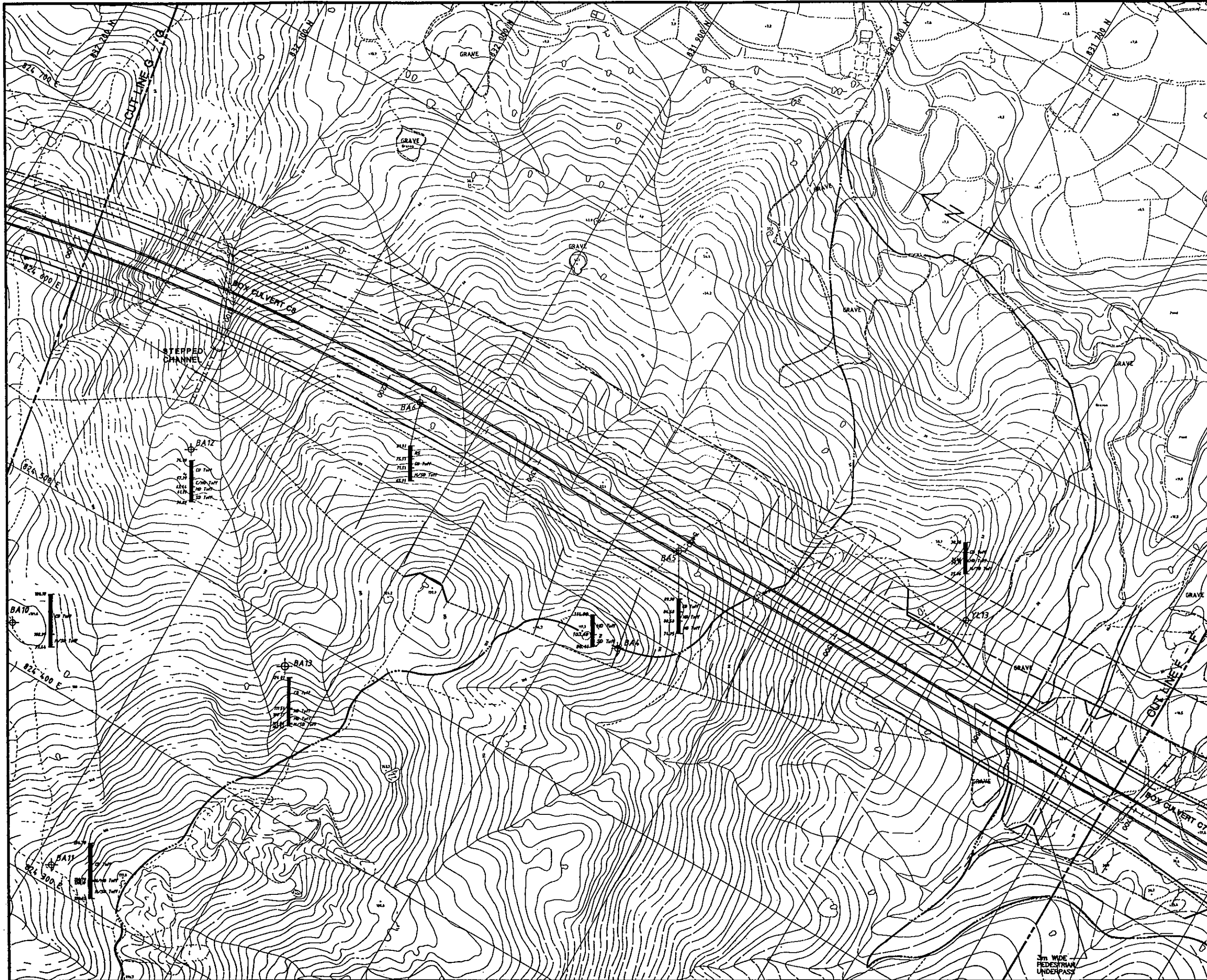
	EXISTING BOREHOLE
	BOREHOLE
	REDUCED LEVEL
	VERTICAL SECTION OF BOREHOLE
	DESCRIPTION
CM	COMPLETELY DECOMPOSED GRANITE
HM	HIGHLY DECOMPOSED GRANITE
MO	MODERATELY DECOMPOSED GRANITE
SM	SLIGHTLY DECOMPOSED GRANITE
CMH	COMPLETELY TO HIGHLY DECOMPOSED GRANITE
HMH	HIGHLY TO MODERATELY DECOMPOSED GRANITE
MOH	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
SMH	SLIGHTLY DECOMPOSED GRANITE
CM Tuff	COMPLETELY DECOMPOSED TUFF
HM Tuff	HIGHLY DECOMPOSED TUFF
MO Tuff	MODERATELY DECOMPOSED TUFF
SM Tuff	SLIGHTLY DECOMPOSED TUFF
CMH Tuff	COMPLETELY TO HIGHLY DECOMPOSED TUFF
HMH Tuff	HIGHLY TO MODERATELY DECOMPOSED TUFF
MOH Tuff	MODERATELY TO SLIGHTLY DECOMPOSED TUFF
SMH Tuff	SLIGHTLY DECOMPOSED TUFF
CM Brachiopods	COMPLETELY DECOMPOSED BRACHIOPODS
HM Brachiopods	HIGHLY DECOMPOSED BRACHIOPODS
MO Brachiopods	MODERATELY DECOMPOSED BRACHIOPODS
SM Brachiopods	SLIGHTLY DECOMPOSED BRACHIOPODS
CM Silstone	COMPLETELY DECOMPOSED SILSTONE
All Sand	ALLUVIAL SAND
All Clay	ALLUVIAL CLAY
All Cobble	ALLUVIAL COBBLES
All Gravel	ALLUVIAL GRAVEL
RS	RESIDUAL SOIL
---	COUNTRY PARK BOUNDARY

NOTE :-
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Scale	1 : 1 000	Measurement	METRES

HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT
SHEET 6 OF 16
Proj. No. 92393/SI/1006
FREEMAN FOX MAUNSELL



LEGEND:

8845/1101	EXISTING BOUNDARY
YL4.8	BOUNDARY
APPROX LEVEL	
VERTICAL SECTION OF BOUNDARY	
DESCRIPTION	
C100	COMPLETELY DECOMPOSED GRANITE
H100	MODERATELY DECOMPOSED GRANITE
S100	SLIGHTLY DECOMPOSED GRANITE
C1000	COMPLETELY TO MODERATELY DECOMPOSED GRANITE
H1000	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
S1000	SLIGHTLY TO MODERATELY DECOMPOSED GRANITE
C100T	COMPLETELY DECOMPOSED TUFF
H100T	MODERATELY DECOMPOSED TUFF
S100T	SLIGHTLY DECOMPOSED TUFF
C100T	COMPLETELY TO MODERATELY DECOMPOSED TUFF
H100T	MODERATELY TO MODERATELY DECOMPOSED TUFF
S100T	SLIGHTLY TO MODERATELY DECOMPOSED TUFF
C100Gr	COMPLETELY DECOMPOSED GRANODIORITE
H100Gr	MODERATELY DECOMPOSED GRANODIORITE
S100Gr	SLIGHTLY DECOMPOSED GRANODIORITE
C100St	COMPLETELY DECOMPOSED SLISTONE
A100	ALLUVIAL SAND
A100C	ALLUVIAL CLAY
A100Co	ALLUVIAL COBBLES
A100B	ALLUVIAL GRAVEL
R100	RESIDUAL Silt
---	COUNTRY PARK BOUNDARY

NOTE :-
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No.	Date	Description	Checked

HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE

ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT

SHEET 7 OF 16
92393/SI/1007

FREEMAN FOX MAUNSELL



LEGEND:

8845/1107	EXISTING BARRIAGE
YL 48	BARRIAGE
REINFORCED LEVEL	
VERTICAL SECTION OF BARRIAGE	
DESCRIPTION	
CM	COMPLETELY DECOMPOSED GRANITE
HM	MODERATELY DECOMPOSED GRANITE
SM	SLIGHTLY DECOMPOSED GRANITE
CM/SM	COMPLETELY TO MODERATELY DECOMPOSED GRANITE
HM/SM	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
CM TuFF	COMPLETELY DECOMPOSED TUFF
HM TuFF	MODERATELY DECOMPOSED TUFF
SM TuFF	SLIGHTLY DECOMPOSED TUFF
CM/SM TuFF	COMPLETELY TO MODERATELY DECOMPOSED TUFF
HM/SM TuFF	MODERATELY TO SLIGHTLY DECOMPOSED TUFF
CM BrwnDrts	COMPLETELY DECOMPOSED BRANDBLONITE
HM BrwnDrts	MODERATELY DECOMPOSED BRANDBLONITE
SM BrwnDrts	SLIGHTLY DECOMPOSED BRANDBLONITE
CM SlTStn	COMPLETELY DECOMPOSED SLTSTONE
AS Sand	ALLUVIAL SAND
AS Clay	ALLUVIAL CLAY
AS Cobble	ALLUVIAL COBBLE
AS Gravel	ALLUVIAL GRAVEL
RS	RESIDUAL SOIL

NOTE :-
THIS DRAWING HAS BEEN REDUCED TO APPROXIMATELY HALF THE ORIGINAL SCALE

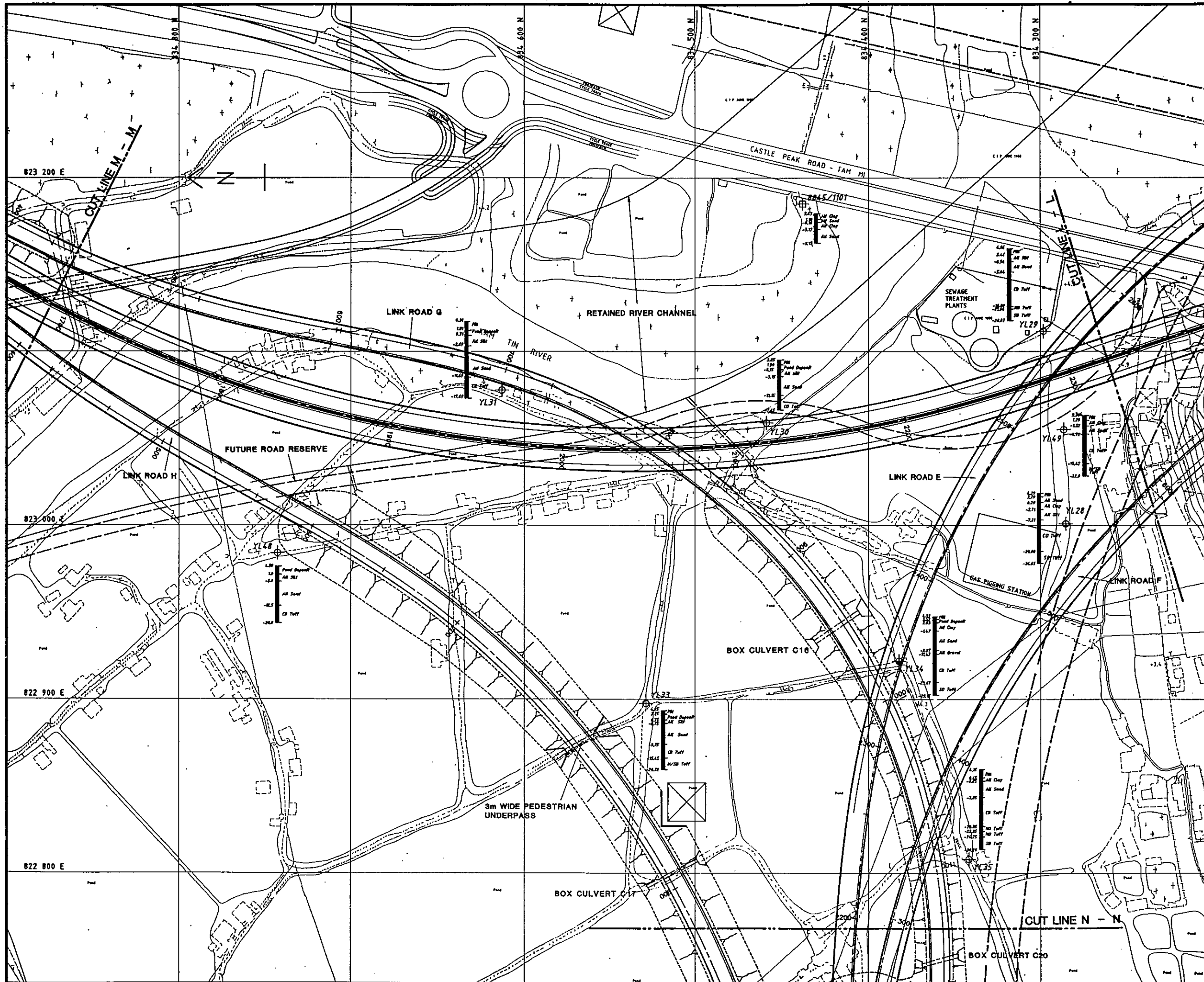
No.	Date	Description	Checked

HIGHWAYS DEPARTMENT

WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT

SHEET 9 OF 16
 Proj. No. 92393/SI/1009
FREEMAN FOX MAUNSELL



LEGEND:

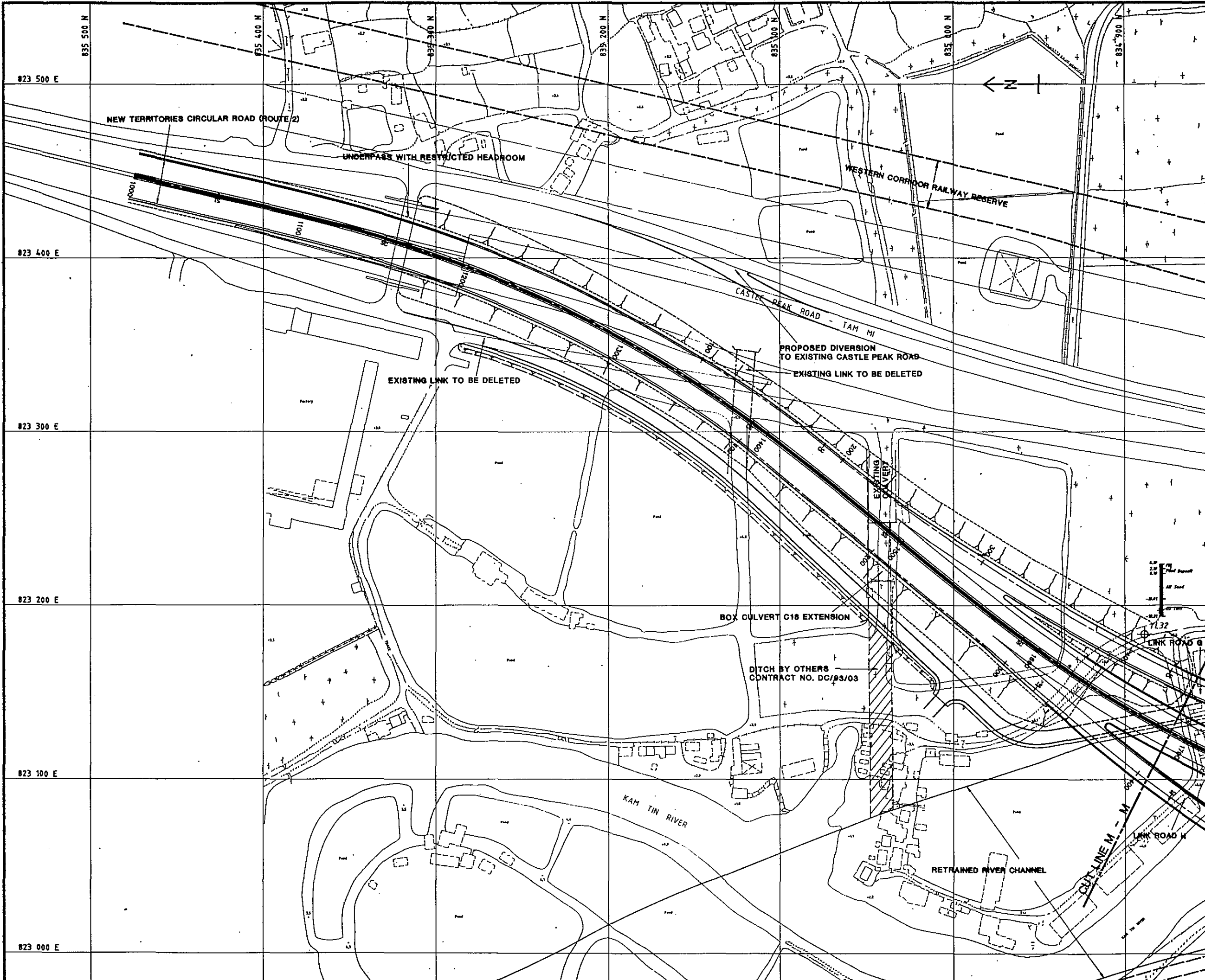
	EXISTING BOUNDARY
	BOUNDARY
	VERTICAL SECTION OF BOUNDARY
	LEVEL
CM	COMPLETELY DECOMPOSED GRANITE
MG	MODERATELY DECOMPOSED GRANITE
SM	SLIGHTLY DECOMPOSED GRANITE
CM/MS	COMPLETELY TO MODERATELY DECOMPOSED GRANITE
MS/SM	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
CD Turf	COMPLETELY DECOMPOSED TURF
MS Turf	MODERATELY DECOMPOSED TURF
SM Turf	SLIGHTLY DECOMPOSED TURF
CM/MS Turf	COMPLETELY TO MODERATELY DECOMPOSED TURF
MS/SM Turf	MODERATELY TO SLIGHTLY DECOMPOSED TURF
CD Gravel/stone	COMPLETELY DECOMPOSED GRAVEL/STONE
MS Gravel/stone	MODERATELY DECOMPOSED GRAVEL/STONE
SM Gravel/stone	SLIGHTLY DECOMPOSED GRAVEL/STONE
CD Siltsand	COMPLETELY DECOMPOSED SILT/SAND
All Sand	ALLUVIAL SAND
All Clay	ALLUVIAL CLAY
All Cobble	ALLUVIAL COBBLES
All Gravel	ALLUVIAL GRAVEL
All Silt	ALLUVIAL SILT

NOTE :-
THIS DRAWING HAS BEEN REDUCED TO APPROXIMATELY HALF THE ORIGINAL SCALE

No.	Date	Description	Checked
Design			Checked
Drawn			Checked
Approved For Issue		Date of Issue	
Date	NOV. 1993	Copyright Reserved	
Scale	1 : 1 000	Measurement	METRES

HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE
ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT



LEGEND:

YL48	MANHOLE
—	FINISHED LEVEL
—	VERTICAL SECTION OF MANHOLE
—	DESCRIPTION
CM	COMPLETELY DECOMPOSED GRANITE
IM	MODERATELY DECOMPOSED GRANITE
HM	MODERATELY DECOMPOSED GRANITE
SM	SLIGHTLY DECOMPOSED GRANITE
C/SB	COMPLETELY TO MODERATELY DECOMPOSED GRANITE
M/SB	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
CS Tuff	COMPLETELY DECOMPOSED TUFF
IS Tuff	MODERATELY DECOMPOSED TUFF
MS Tuff	MODERATELY DECOMPOSED TUFF
SS Tuff	SLIGHTLY DECOMPOSED TUFF
C/SB Tuff	COMPLETELY TO MODERATELY DECOMPOSED TUFF
M/SB Tuff	MODERATELY TO SLIGHTLY DECOMPOSED TUFF
CS Gneiss/Gr	COMPLETELY DECOMPOSED GRANODIORITE
IS Gneiss/Gr	MODERATELY DECOMPOSED GRANODIORITE
MS Gneiss/Gr	MODERATELY DECOMPOSED GRANODIORITE
SS Gneiss/Gr	SLIGHTLY DECOMPOSED GRANODIORITE
CS Schist	COMPLETELY DECOMPOSED SLISTONE
AS Sand	ALLUVIAL SAND
AC Clay	ALLUVIAL CLAY
AC Cobble	ALLUVIAL COBBLES
AG Gravel	ALLUVIAL GRAVEL
RS	RESIDUAL SOIL

NOTE :-
THIS DRAWING HAS BEEN REDUCED TO APPROXIMATELY HALF THE ORIGINAL SCALE

No.	Date	Description	Checked
		Designed	Checked
		Drawn	Checked
		Approved For Issue	Date of Issue
	NOV. 1993		© Copyright Reserved
		Scale	1 : 1 000
		Measurement	METRES

HIGHWAYS DEPARTMENT

WESTERN HARBOUR LINK OFFICE

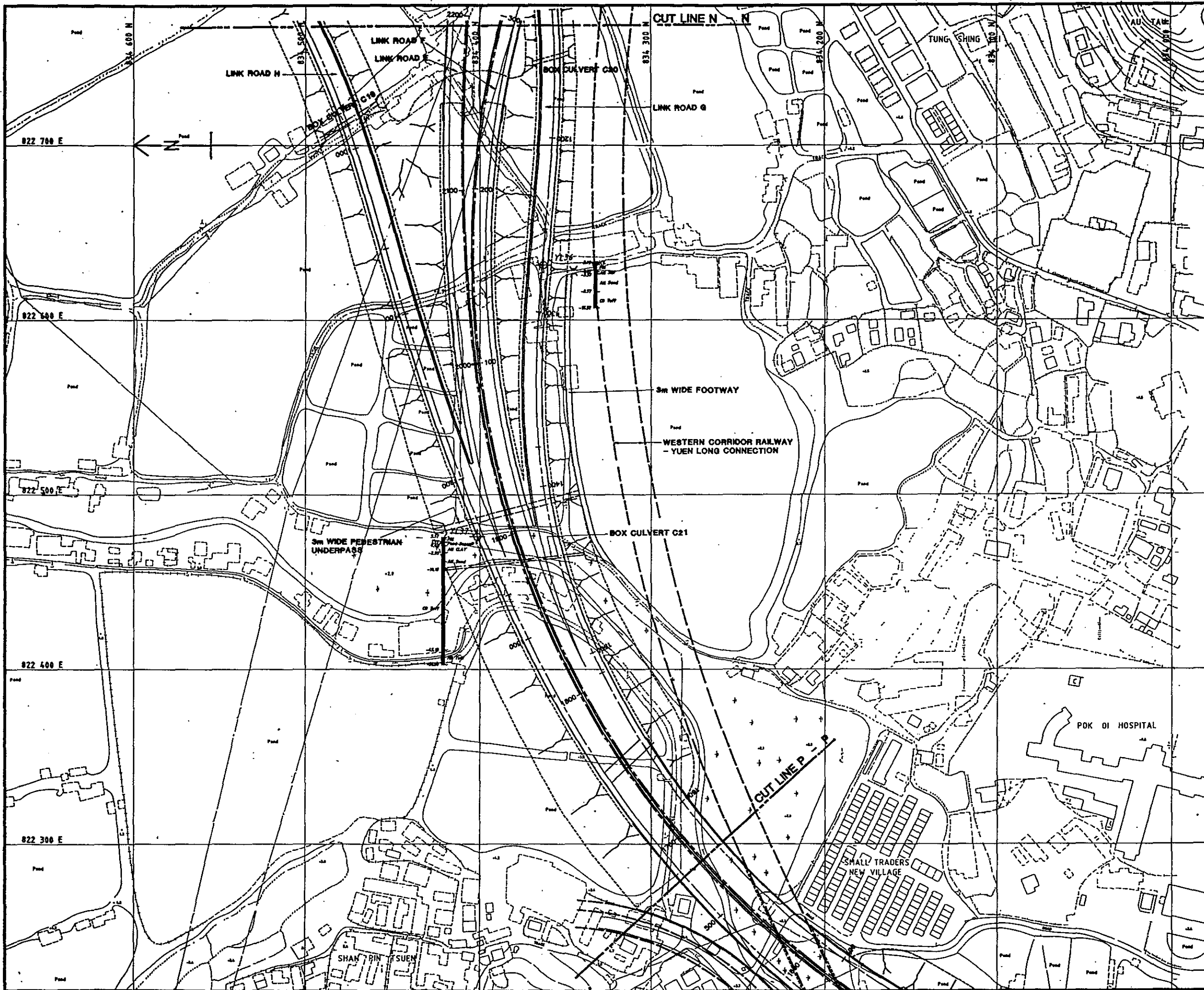
ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT

SHEET 13 OF 16

Fig. No. 92393/SI/1013

FREEMAN FOX MAUNSELL



LEGEND:

	PROPOSED LANE
	VERTICAL SECTION OF ROADWAY
	COMPLETELY RECLASSIFIED GROUND
	MAINLY RECLASSIFIED GROUND
	MODERATELY RECLASSIFIED GROUND
	SLIGHTLY RECLASSIFIED GROUND
	COMPLETELY TO MAINLY RECLASSIFIED GROUND
	MAINLY TO MODERATELY RECLASSIFIED GROUND
	MODERATELY TO SLIGHTLY RECLASSIFIED GROUND
	COMPLETELY RECLASSIFIED TUFF
	MAINLY RECLASSIFIED TUFF
	MODERATELY RECLASSIFIED TUFF
	SLIGHTLY RECLASSIFIED TUFF
	COMPLETELY TO MAINLY RECLASSIFIED TUFF
	MAINLY TO MODERATELY RECLASSIFIED TUFF
	MODERATELY TO SLIGHTLY RECLASSIFIED TUFF
	COMPLETELY RECLASSIFIED EARTHWORK
	MAINLY RECLASSIFIED EARTHWORK
	MODERATELY RECLASSIFIED EARTHWORK
	SLIGHTLY RECLASSIFIED EARTHWORK
	COMPLETELY RECLASSIFIED EXISTING
	ALLUVIAL SAND
	ALLUVIAL CLAY
	ALLUVIAL COBBLES
	ALLUVIAL GRAVEL
	REGIONAL SOIL
	ALLUVIAL SILT

NOTE :-
THIS DRAWING HAS BEEN REDUCED TO APPROXIMATELY HALF THE ORIGINAL SCALE

No.	Date	Description	Checked
Revisions			

DATE: NOV. 1993
SCALE: 1:1 000
DRAWN BY: NETES

HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE

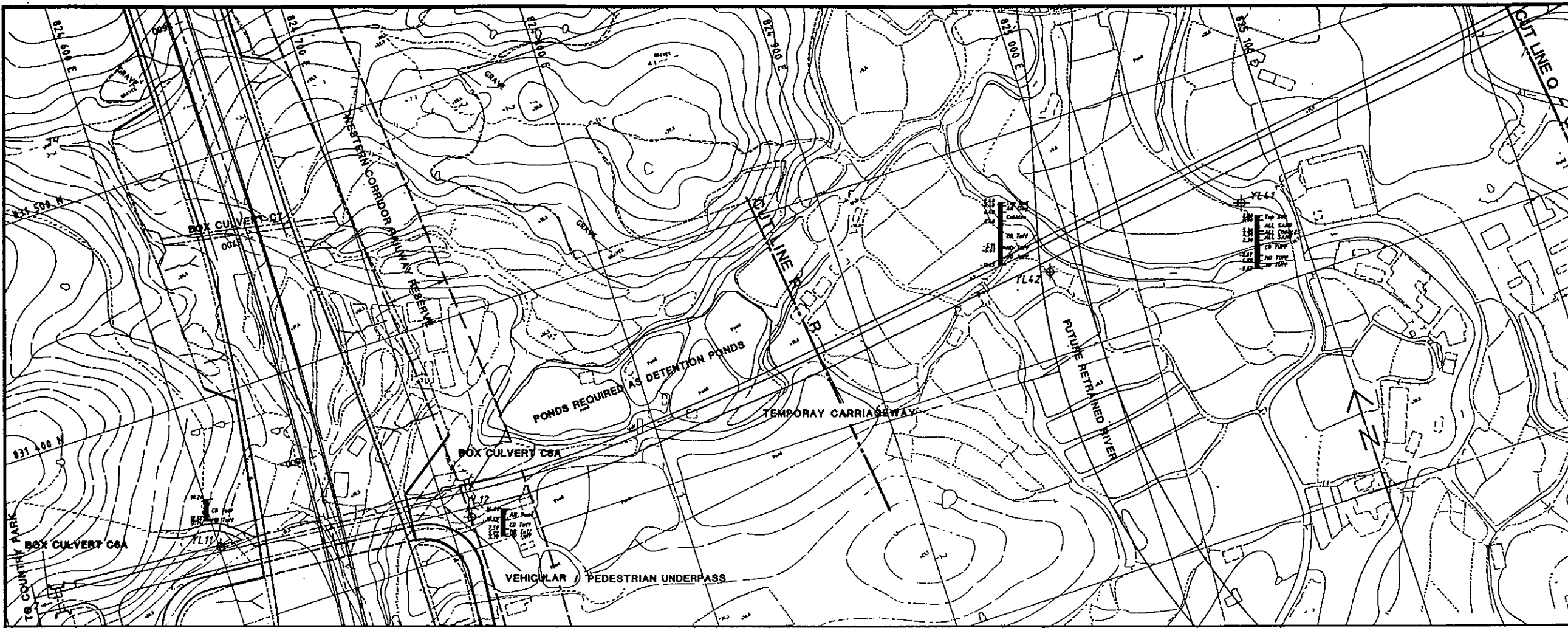
ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD)
STAGE 2 PRELIMINARY DESIGN

SUMMARY LOG ALONG PROPOSED ALIGNMENT

SHEET 14 OF 16

Proj. No. 92393/SI/1014

FREEMAN FOX MAUNSELL



LEGEND:

	EXISTING BOREHOLE
	BOREHOLE
	ARROW LEVEL
	VERTICAL SECTION OF BOREHOLE
	DESCRIPTION
C6	COMPLETELY DECOMPOSED GRANITE
H6	HIGHLY DECOMPOSED GRANITE
M6	MODERATELY DECOMPOSED GRANITE
S6	SLIGHTLY DECOMPOSED GRANITE
C6/T6	COMPLETELY TO HIGHLY DECOMPOSED GRANITE
H6/M6	HIGHLY TO MODERATELY DECOMPOSED GRANITE
M6/S6	MODERATELY TO SLIGHTLY DECOMPOSED GRANITE
C6/T6/T6	COMPLETELY TO SLIGHTLY DECOMPOSED TUFF
H6/T6	HIGHLY DECOMPOSED TUFF
M6/T6	MODERATELY DECOMPOSED TUFF
S6/T6	SLIGHTLY DECOMPOSED TUFF
C6/H6/T6	COMPLETELY TO HIGHLY DECOMPOSED TUFF
H6/M6/T6	HIGHLY TO MODERATELY DECOMPOSED TUFF
M6/S6/T6	MODERATELY TO SLIGHTLY DECOMPOSED TUFF
C6/B6/B6/B6	COMPLETELY DECOMPOSED BRANDBORITE
H6/B6/B6/B6	HIGHLY DECOMPOSED BRANDBORITE
M6/B6/B6/B6	MODERATELY DECOMPOSED BRANDBORITE
S6/B6/B6/B6	SLIGHTLY DECOMPOSED BRANDBORITE
C6/S6/S6	COMPLETELY DECOMPOSED SILTSTONE
A6/S6	ALLUVIAL SAND
A6/C6	ALLUVIAL CLAY
A6/C6/S6	ALLUVIAL COBBLES
A6/S6/B6	ALLUVIAL GRAVEL
R6	RESIDUAL S&C

NOTE: --
THIS DRAWING HAS BEEN REDUCED TO APPROXIMATELY HALF THE ORIGINAL SCALE

No.	Date	Description	Checked
Revisions			
Budget		Checked	
Drawn		Checked	
Approved For Issue	Date	By Issue	
Date	NOV, 1993	Copyright Reserved	
Scale	1 : 1 000	Measurement	METRES

HIGHWAYS DEPARTMENT
WESTERN HARBOUR LINK OFFICE

ROUTE 3 COUNTRY PARK SECTION (TAI LAM TUNNEL AND YUEN LONG APPROACH ROAD) STAGE 2 PRELIMINARY DESIGN

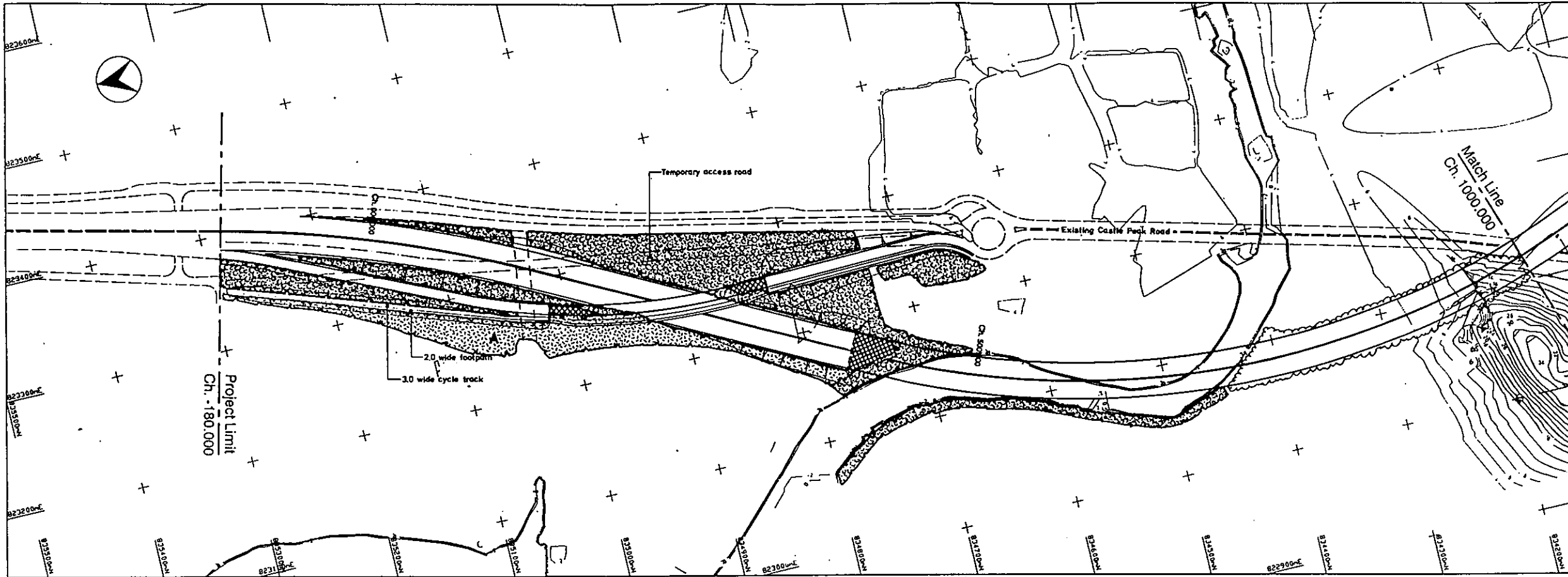
SUMMARY LOG ALONG PROPOSED ALIGNMENT

SHEET 16 OF 16

Proj. No. 92393/SI/1016

FREEMAN FOX MAUNSELL

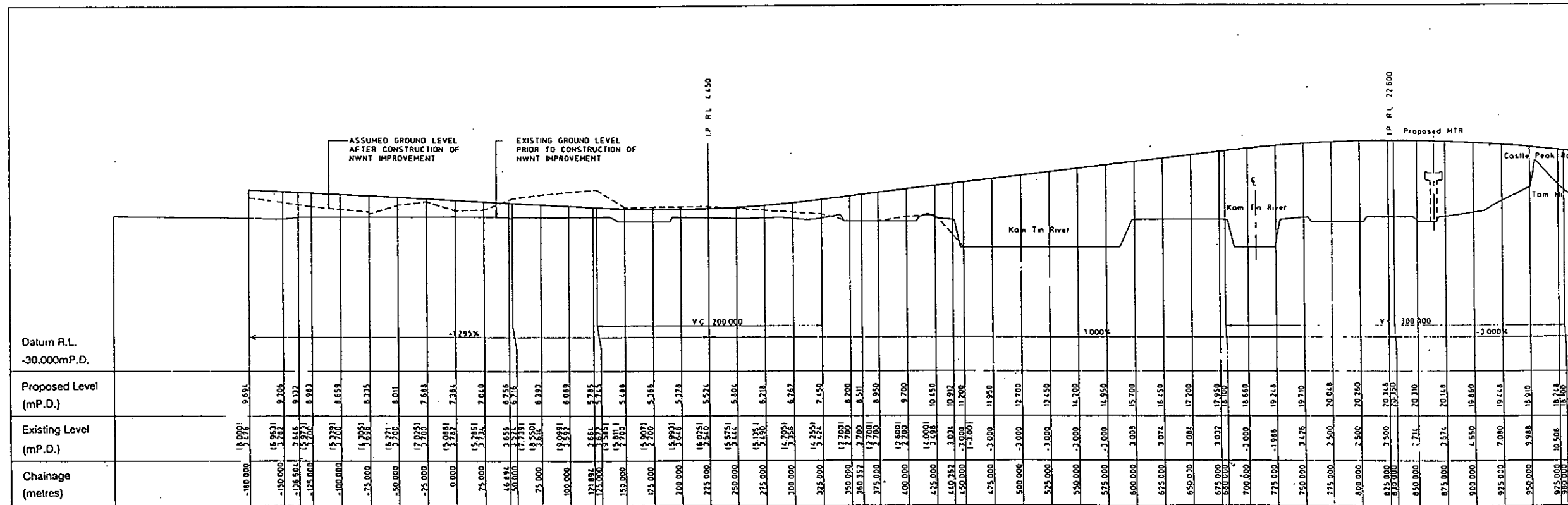
DRAWINGS FROM STAGE 1 PRELIMINARY DESIGN



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 3. Dimensions are in metres unless otherwise shown.
 4. Levels are in metres and refer to Principal Datum (P.D.).
 5. Original ground levels shown are approximate only. Ground features omitted.
 6. Cut slopes and fill slopes are at 1 on 1.5 and 1 on 2.0 respectively unless otherwise shown.
 7. Interchange geometry supplied by Highways Department.

- Legend :
- Highway
 - Bridge / Viaduct
 - Tunnel
 - Cut Slope
 - Fill Slope
 - Retaining Wall

- WOODLAND MIX A
- WOODLAND MIX B
- SHRUB MIX
- HYDROSEED WITH GRASS AND TREE SEED
- BERM PLANTING
- ROADSIDE PLANTING
- MEDIAN PLANTING
- REINSTATEMENT
- HARDSURFACING



Government of Hong Kong
Highways Department

Route 3
COUNTRY PARK SECTOR
AND TING KAU BRIDGE

YL3 - PLAN AND PROFILE
DUAL 3 OPTION
(SHEET 1 OF 6)
LANDSCAPE PLANS

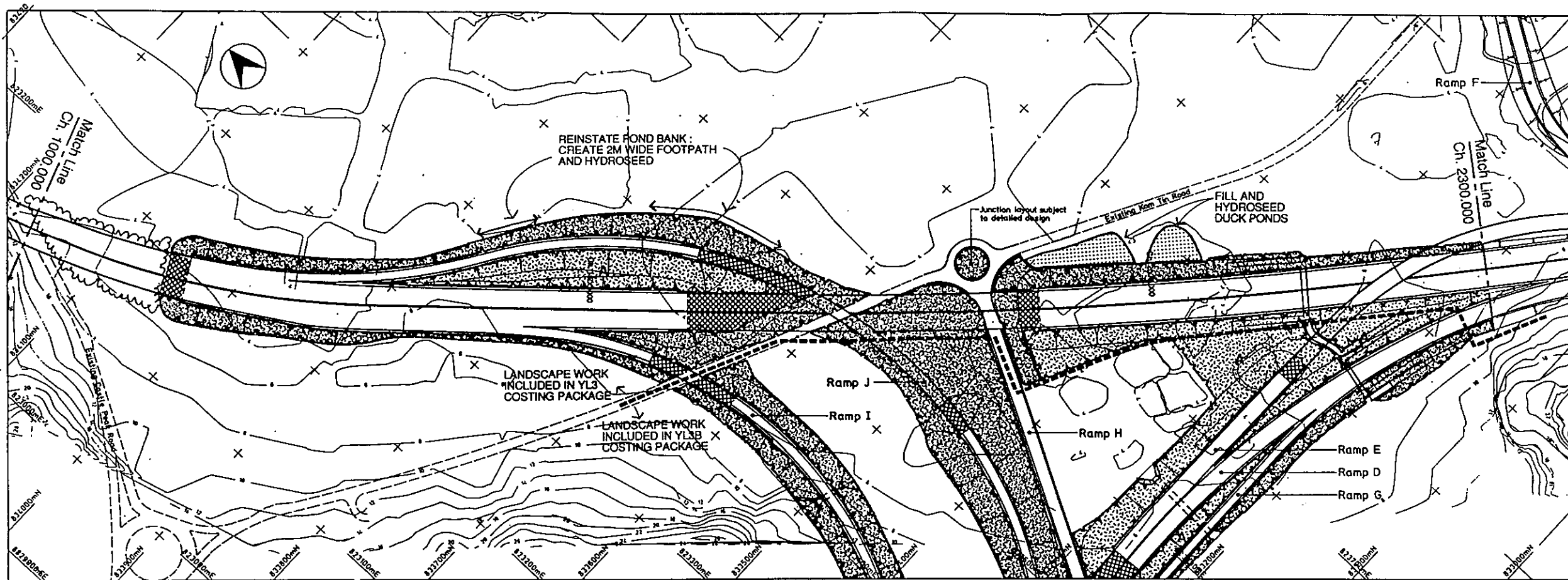
Drawing No. 91880/PD1/801/101

Date: 07/92
Checked: J.C.
Drawn: AH
Approved: [Signature]

Scale: Hor. 1 : 2000
Vert. 1 : 500

Scott Wilson Kirkpatrick & Partners
Parsons Brinckerhoff (Asia) Ltd
Charles Haswell & Partners
Leonhardt, Andrä und Partner
Brian Clouston and Partners
Liang Peddie Thorp

Note: The outline design information shown on this drawing has been produced for costing purposes only.



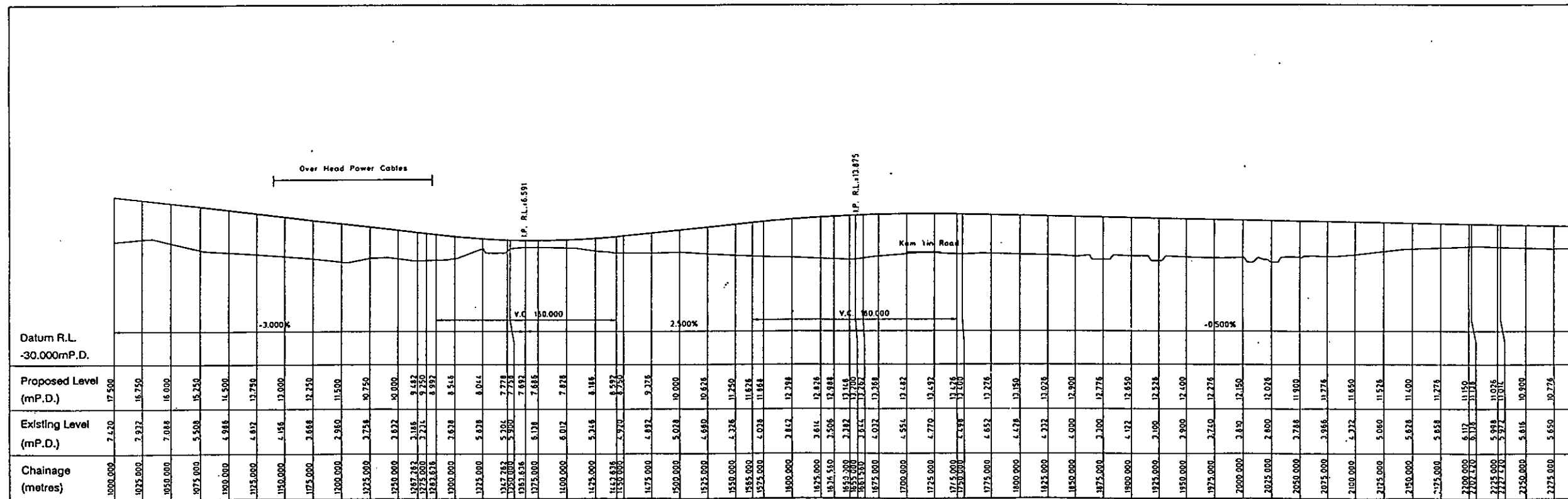
Notes :

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7. Interchange geometry supplied by Highways Department.

Legend :

- Highway
- Bridge / Viaduct
- Tunnel
- Cut Slope
- Fill Slope
- Retaining Wall

- WOODLAND MIX A
- WOODLAND MIX B
- SHRUB MIX
- HYDROSEED WITH GRASS AND TREE SEED
- BERM PLANTING
- ROADSIDE PLANTING
- MEDIAN PLANTING
- REINSTATEMENT
- HARDSURFACING



Staff	Date	Revision	Drawn	Checked

Government of Hong Kong Highways Department

Route 3
COUNTRY PARK SECTOR
AND TING KAU BRIDGE

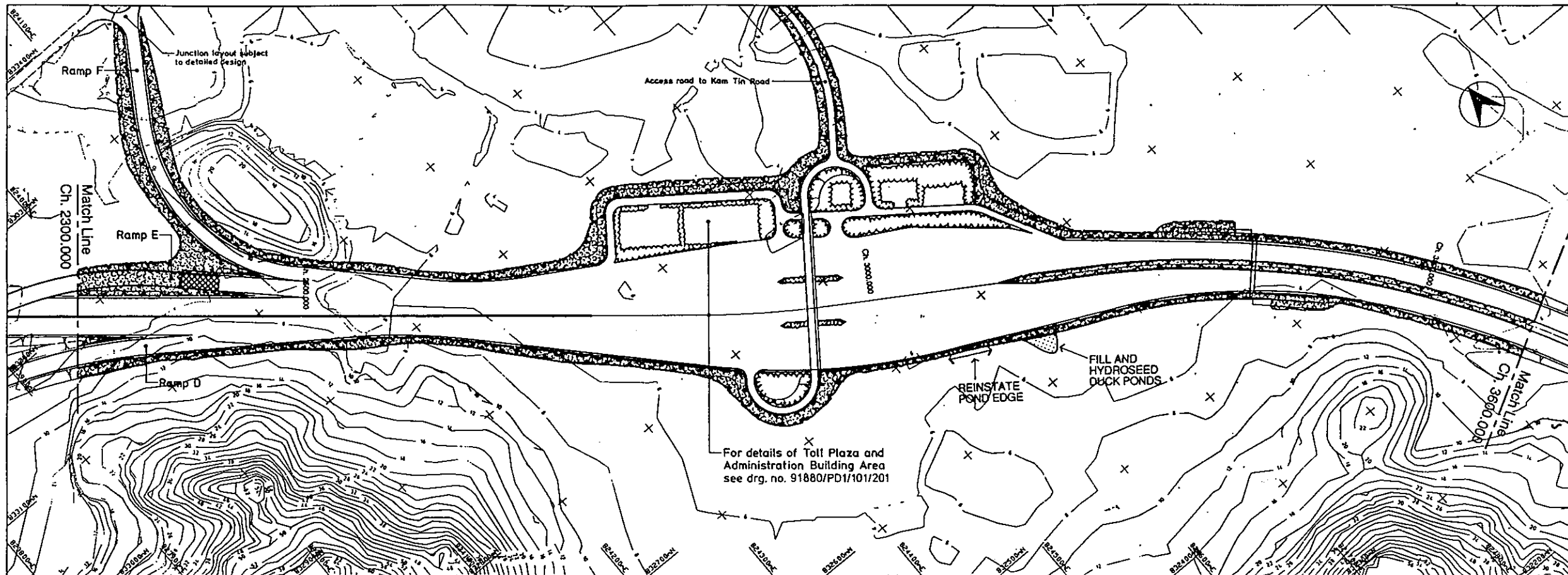
YL3 - PLAN AND PROFILE
DUAL 3 OPTION
(SHEET 2 OF 6)
LANDSCAPE PLANS

Drawing No. 91880/PD1/801/102

Date	Drawn	Checked	Scale	Hor. 1 : 2000	Vert. 1 : 500
07/92	OW	JK			

Scott Wilson Kirkpatrick & Partners
Parsons Brinckerhoff (Asia) Ltd
Charles Haswell & Partners
Leonhardt André und Partner
Brian Clouston and Partners
Liang Poodle Thorp

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 3. Dimensions are in metres unless otherwise shown.
 4. Levels are in metres and refer to Principal Datum (P.D.).
 5. Original ground levels shown are approximate only. Ground features omitted.
 6. Cut slopes and fill slopes are at 1 on 1.5 and 1 on 2.0 respectively unless otherwise shown.
 7. Interchange geometry supplied by Highways Department.

- Legend :
- Highway
 - Bridge / Viaduct
 - Tunnel
 - Cut Slope
 - Fill Slope
 - Retaining Wall
- WOODLAND MIX A
 - WOODLAND MIX B
 - SHRUB MIX
 - HYDROSEED WITH GRASS AND TREE SEED
 - BERM PLANTING
 - ROADSIDE PLANTING
 - MEDIAN PLANTING
 - REINSTATEMENT
 - HARDSURFACING

Chainage (metres)	Existing Level (mP.D.)	Proposed Level (mP.D.)	Datum R.L. -30.000mP.D.
2300.000	5.636	10.650	
2325.000	6.871	10.526	
2350.000	5.401	10.400	
2375.000	6.000	10.276	
2400.000	7.242	10.150	
2425.000	7.375	10.026	
2450.000	7.118	9.900	
2475.000	7.206	9.776	
2500.000	7.074	9.650	
2525.000	6.410	9.526	
2550.000	5.000	9.400	
2575.000	5.000	9.276	
2600.000	6.410	9.150	
2625.000	6.286	9.026	
2650.000	6.322	8.900	
2675.000	5.678	8.776	
2700.000	4.560	8.650	
2725.000	4.100	8.526	
2750.000	4.100	8.400	
2775.000	4.190	8.276	
2800.000	5.280	8.150	
2825.000	4.876	8.026	
2850.000	4.742	7.900	
2875.000	4.890	7.776	
2900.000	5.050	7.650	
2925.000	5.170	7.526	
2950.000	5.154	7.400	
2975.000	5.086	7.276	
3000.000	5.256	7.150	
3025.000	5.430	7.026	
3050.000	5.516	6.900	
3075.000	5.650	6.776	
3100.000	5.466	6.650	
3125.000	5.178	6.526	
3150.000	4.820	6.400	
3175.000	4.808	6.276	
3200.000	4.818	6.150	
3225.000	4.884	6.026	
3250.000	4.954	5.900	
3275.000	5.000	5.776	
3300.000	5.076	5.650	
3325.000	5.002	5.526	
3350.000	5.171	5.400	
3375.000	5.316	5.276	
3400.000	5.447	5.150	
3425.000	5.606	5.026	
3450.000	5.570	4.900	
3475.000	5.576	4.776	
3500.000	5.570	4.650	
3525.000	5.696	4.526	
3550.000	5.856	4.400	
3575.000	5.960	4.276	
3600.000	6.030	4.150	

Suffix	Date	Revision	Drawn	Checked

Government of Hong Kong
Highways Department

Route 3
COUNTRY PARK SECTOR
AND TING KAU BRIDGE

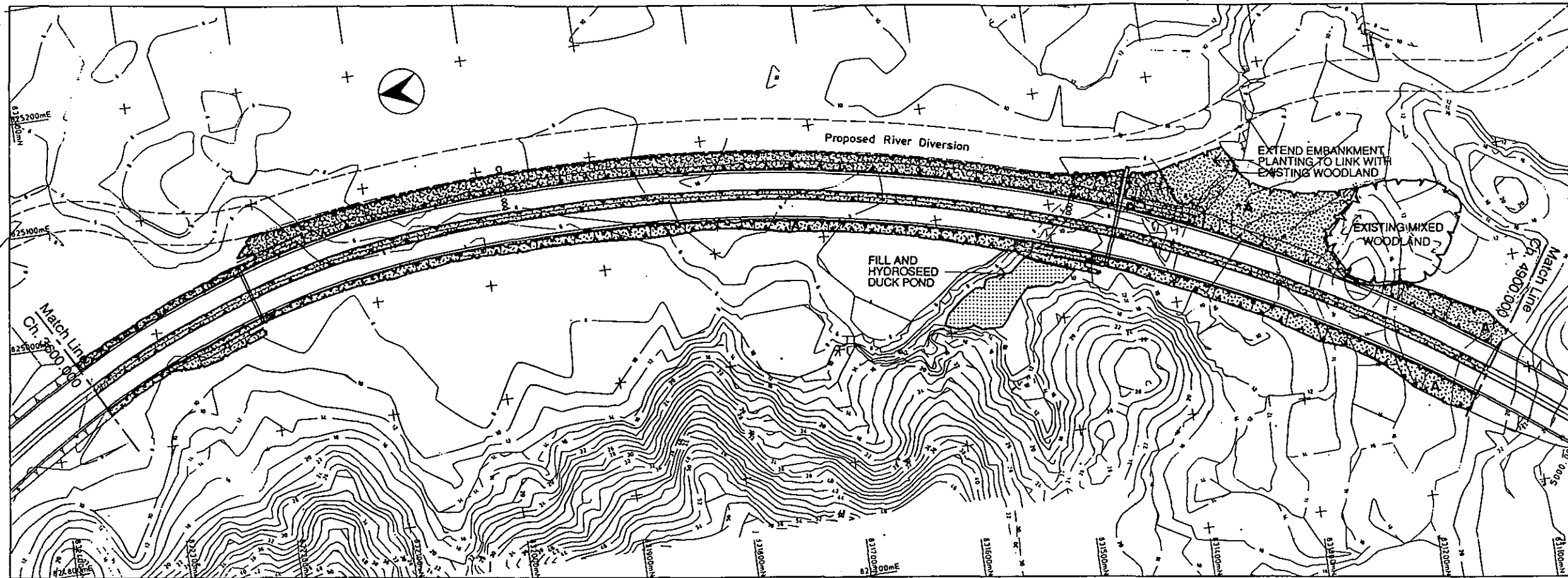
YL3 - PLAN AND PROFILE
DUAL 3 OPTION
(SHEET 3 OF 6)
LANDSCAPE PLANS

Drawing No. 91880/PD/1/801/103

Date 07/92 Drawn OW Scale Hor. 1 : 2000
Checked JK Approved Ver. 1 : 500

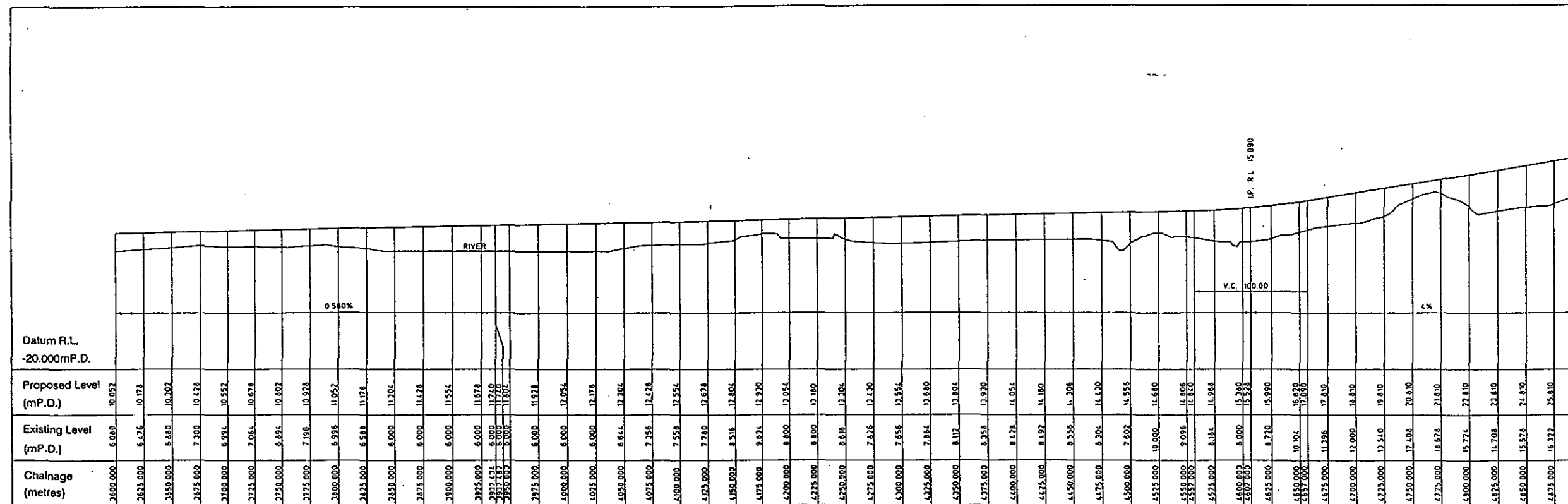
Scott Wilson Kirkpatrick & Partners
Parsons Brinckerhoff (Asia) Ltd
Charles Haswell & Partners
Leonhardt André and Partner
Brian Clouston and Partners
Liang Peddie Thorp

Note: The outline design information shown on this drawing has been produced for costing purposes only.



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 2. Coordinates are related to Hong Kong Metric Grid (1000).
 3. Dimensions are in metres unless otherwise shown.
 4. Levels are in metres and refer to Principal Datum (P.D.).
 5. Original ground levels shown are approximate only. Ground features omitted.
 6. Cut slopes and fill slopes are at 1 on 1.5 and 1 on 2.0 respectively unless otherwise shown.

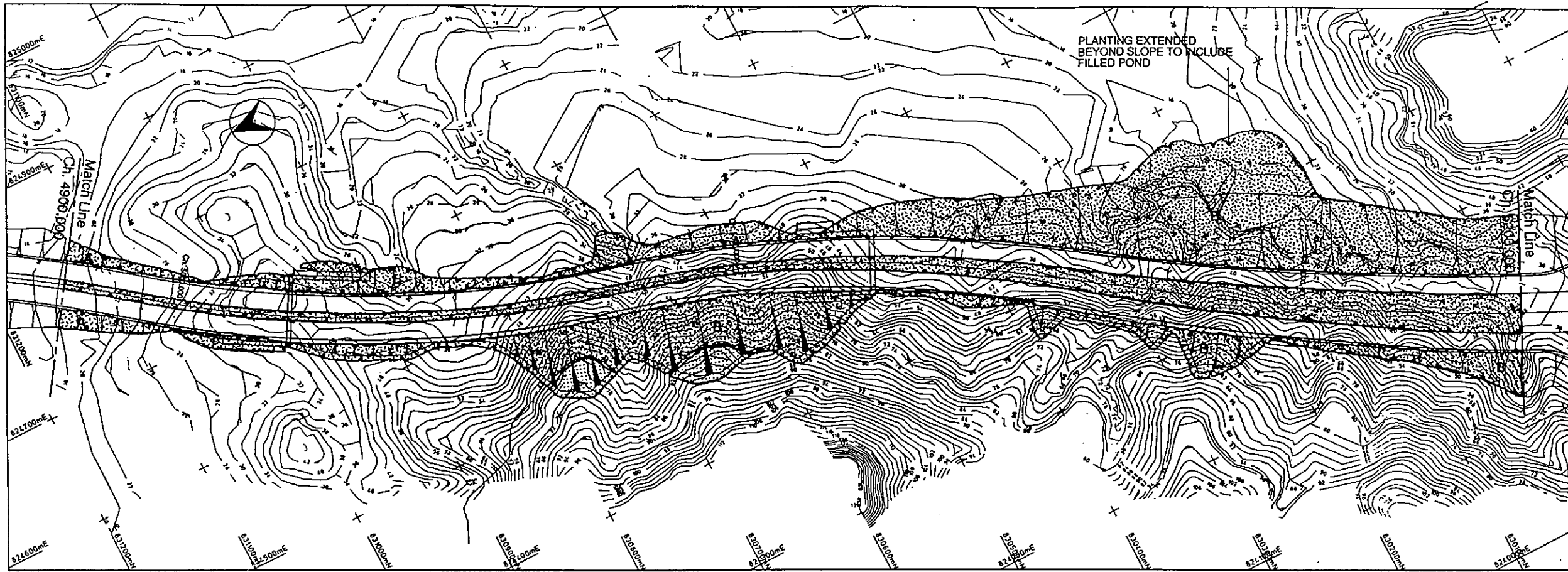
- Legend :
- Highway
 - Bridge / Viaduct
 - Tunnel
 - Cut Slope
 - Fill Slope
 - Retaining Wall
- WOODLAND MIX A
 - WOODLAND MIX B
 - SHRUB MIX
 - HYDROSEED WITH GRASS AND TREE SEED
 - BERM PLANTING
 - ROADSIDE PLANTING
 - MEDIAN PLANTING
 - REINSTATEMENT
 - HARDSURFACING



Datum R.L. -20.000m.P.D.	Proposed Level (m.P.D.)	Existing Level (m.P.D.)	Chainage (metres)
5.000	10.052	5.000	2800.000
6.576	10.178	6.576	2825.000
6.880	10.302	6.880	2850.000
7.300	10.428	7.300	2875.000
6.991	10.552	6.991	2900.000
7.061	10.678	7.061	2925.000
6.891	10.802	6.891	2950.000
7.190	10.928	7.190	2975.000
6.996	11.052	6.996	3000.000
6.588	11.178	6.588	3025.000
6.000	11.302	6.000	3050.000
6.000	11.428	6.000	3075.000
6.000	11.552	6.000	3100.000
6.000	11.678	6.000	3125.000
6.000	11.802	6.000	3150.000
6.000	11.928	6.000	3175.000
6.000	12.052	6.000	3200.000
6.000	12.178	6.000	3225.000
6.611	12.302	6.611	3250.000
7.356	12.428	7.356	3275.000
7.558	12.552	7.558	3300.000
7.780	12.678	7.780	3325.000
8.516	12.802	8.516	3350.000
8.931	12.928	8.931	3375.000
8.800	13.052	8.800	3400.000
8.800	13.178	8.800	3425.000
8.618	13.302	8.618	3450.000
7.828	13.428	7.828	3475.000
7.656	13.552	7.656	3500.000
7.861	13.678	7.861	3525.000
8.112	13.802	8.112	3550.000
8.358	13.928	8.358	3575.000
8.578	14.052	8.578	3600.000
8.592	14.178	8.592	3625.000
8.558	14.302	8.558	3650.000
8.301	14.428	8.301	3675.000
7.602	14.552	7.602	3700.000
10.000	14.680	10.000	3725.000
11.806	14.802	11.806	3750.000
11.851	14.928	11.851	3775.000
11.988	15.052	11.988	3800.000
15.280	15.178	15.280	3825.000
15.528	15.302	15.528	3850.000
15.990	15.428	15.990	3875.000
16.670	15.552	16.670	3900.000
17.810	15.678	17.810	3925.000
18.810	15.802	18.810	3950.000
19.810	15.928	19.810	3975.000
20.810	16.052	20.810	4000.000
21.810	16.178	21.810	4025.000
22.810	16.302	22.810	4050.000
24.810	16.428	24.810	4075.000
25.810	16.552	25.810	4100.000
26.810	16.678	26.810	4125.000

Staff	Date	Revision	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE				
YL3 - PLAN AND PROFILE DUAL 3 OPTION (SHEET 4 OF 6) LANDSCAPE PLANS				
Drawing No.			91880/PD1/801/104	
Date	07/92	Drawn	OW	Scale
Checked	JC	Approved		Horl. 1 : 2 000
				Vert. 1 : 500
Scott Wilson Kirkpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Chanos Haswell & Partners Leonhardt, André & Partner Brian Clouston and Partners Liang Pedate Thorp				

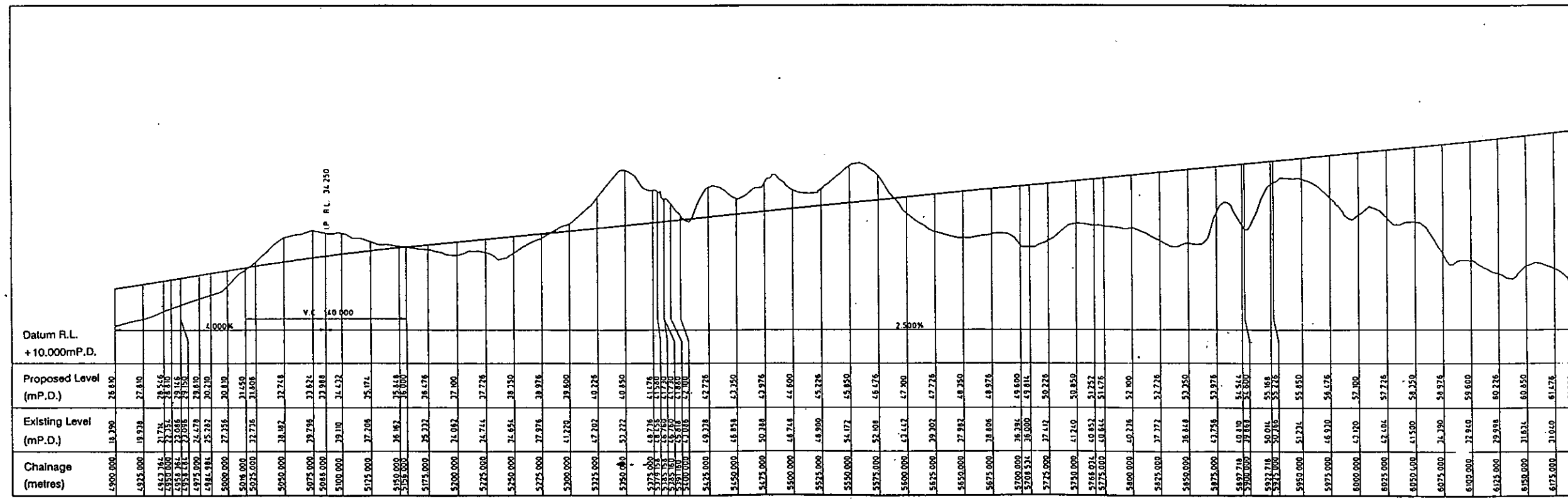
Note: The outline design information shown on this drawing has been produced for costing purposes only.



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 2. Coordinates are related to Hong Kong Metric Grid (1980).
 3. Dimensions are in metres unless otherwise shown.
 4. Levels are in metres and refer to Principal Datum (P.D.).
 5. Original ground levels shown are approximate only. Ground features omitted.
 6. Cut slopes and fill slopes are at 1 on 1.5 and 1 on 2.0 respectively unless otherwise shown.

- Legend :
- Highway
 - Bridge / Viaduct
 - Tunnel
 - Cut Slope
 - Fill Slope
 - Retaining Wall

- WOODLAND MIX A
- WOODLAND MIX B
- SHRUB MIX
- HYDROSEED WITH GRASS AND TREE SEED
- BERM PLANTING
- ROADSIDE PLANTING
- MEDIAN PLANTING
- REINSTATEMENT
- HARDSURFACING



Chainage (metres)	Existing Level (mP.D.)	Proposed Level (mP.D.)
4900.000	18.290	26.850
4925.000	19.574	27.810
4950.000	21.776	28.515
4975.000	23.048	29.115
5000.000	24.479	29.610
5025.000	25.282	30.210
5050.000	27.235	30.810
5075.000	28.492	31.410
5100.000	29.295	32.010
5125.000	30.210	32.610
5150.000	31.150	33.210
5175.000	32.110	33.810
5200.000	33.000	34.410
5225.000	33.920	35.010
5250.000	34.870	35.610
5275.000	35.850	36.210
5300.000	36.860	36.810
5325.000	37.890	37.410
5350.000	38.940	38.010
5375.000	40.010	38.610
5400.000	41.100	39.210
5425.000	42.210	39.810
5450.000	43.340	40.410
5475.000	44.490	41.010
5500.000	45.660	41.610
5525.000	46.850	42.210
5550.000	48.060	42.810
5575.000	49.290	43.410
5600.000	50.540	44.010
5625.000	51.810	44.610
5650.000	53.100	45.210
5675.000	54.410	45.810
5700.000	55.740	46.410
5725.000	57.090	47.010
5750.000	58.460	47.610
5775.000	59.850	48.210
5800.000	61.260	48.810
5825.000	62.690	49.410
5850.000	64.140	50.010
5875.000	65.610	50.610
5900.000	67.100	51.210
5925.000	68.610	51.810
5950.000	70.140	52.410
5975.000	71.690	53.010
6000.000	73.260	53.610
6025.000	74.850	54.210
6050.000	76.460	54.810
6075.000	78.090	55.410
6100.000	79.740	56.010
6125.000	81.410	56.610
6150.000	83.100	57.210
6175.000	84.810	57.810
6200.000	86.540	58.410
6225.000	88.290	59.010
6250.000	90.060	59.610
6275.000	91.850	60.210
6300.000	93.660	60.810
6325.000	95.490	61.410
6350.000	97.340	62.010
6375.000	99.210	62.610
6400.000	101.100	63.210
6425.000	103.010	63.810
6450.000	104.940	64.410
6475.000	106.890	65.010
6500.000	108.860	65.610
6525.000	110.850	66.210
6550.000	112.860	66.810
6575.000	114.890	67.410
6600.000	116.940	68.010
6625.000	119.010	68.610
6650.000	121.100	69.210
6675.000	123.210	69.810
6700.000	125.340	70.410
6725.000	127.490	71.010
6750.000	129.660	71.610
6775.000	131.850	72.210
6800.000	134.060	72.810
6825.000	136.290	73.410
6850.000	138.540	74.010
6875.000	140.810	74.610
6900.000	143.100	75.210
6925.000	145.410	75.810
6950.000	147.740	76.410
6975.000	150.090	77.010
7000.000	152.460	77.610
7025.000	154.850	78.210
7050.000	157.260	78.810
7075.000	159.690	79.410
7100.000	162.140	80.010
7125.000	164.610	80.610
7150.000	167.100	81.210
7175.000	169.610	81.810
7200.000	172.140	82.410
7225.000	174.690	83.010
7250.000	177.260	83.610
7275.000	179.850	84.210
7300.000	182.460	84.810
7325.000	185.090	85.410
7350.000	187.740	86.010
7375.000	190.410	86.610
7400.000	193.100	87.210
7425.000	195.810	87.810
7450.000	198.540	88.410
7475.000	201.290	89.010
7500.000	204.060	89.610
7525.000	206.850	90.210
7550.000	209.660	90.810
7575.000	212.490	91.410
7600.000	215.340	92.010
7625.000	218.210	92.610
7650.000	221.100	93.210
7675.000	224.010	93.810
7700.000	226.940	94.410
7725.000	229.890	95.010
7750.000	232.860	95.610
7775.000	235.850	96.210
7800.000	238.860	96.810
7825.000	241.890	97.410
7850.000	244.940	98.010
7875.000	248.010	98.610
7900.000	251.100	99.210
7925.000	254.210	99.810
7950.000	257.340	100.410
7975.000	260.490	101.010
8000.000	263.660	101.610
8025.000	266.850	102.210
8050.000	270.060	102.810
8075.000	273.290	103.410
8100.000	276.540	104.010
8125.000	279.810	104.610
8150.000	283.100	105.210
8175.000	286.410	105.810
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8225.000	293.090	107.010
8250.000	296.460	107.610
8275.000	299.850	108.210
8300.000	303.260	108.810
8325.000	306.690	109.410
8350.000	310.140	110.010
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8475.000	327.690	113.010
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8875.000	387.210	122.610
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8975.000	402.890	125.010
9000.000	406.860	125.610
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9650.000	517.100	141.210
9675.000	521.610	141.810
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9775.000	539.850	144.210
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9850.000	553.740	146.010
9875.000	558.410	146.610
9900.000	563.100	147.210
9925.000	567.810	147.810
9950.000	572.540	148.410
9975.000	577.290	149.010
10000.000	582.060	149.610

Revised	Date	Revision	Drawn	Checked

Government of Hong Kong Highways Department

Route 3

COUNTRY PARK SECTOR AND TING KAU BRIDGE

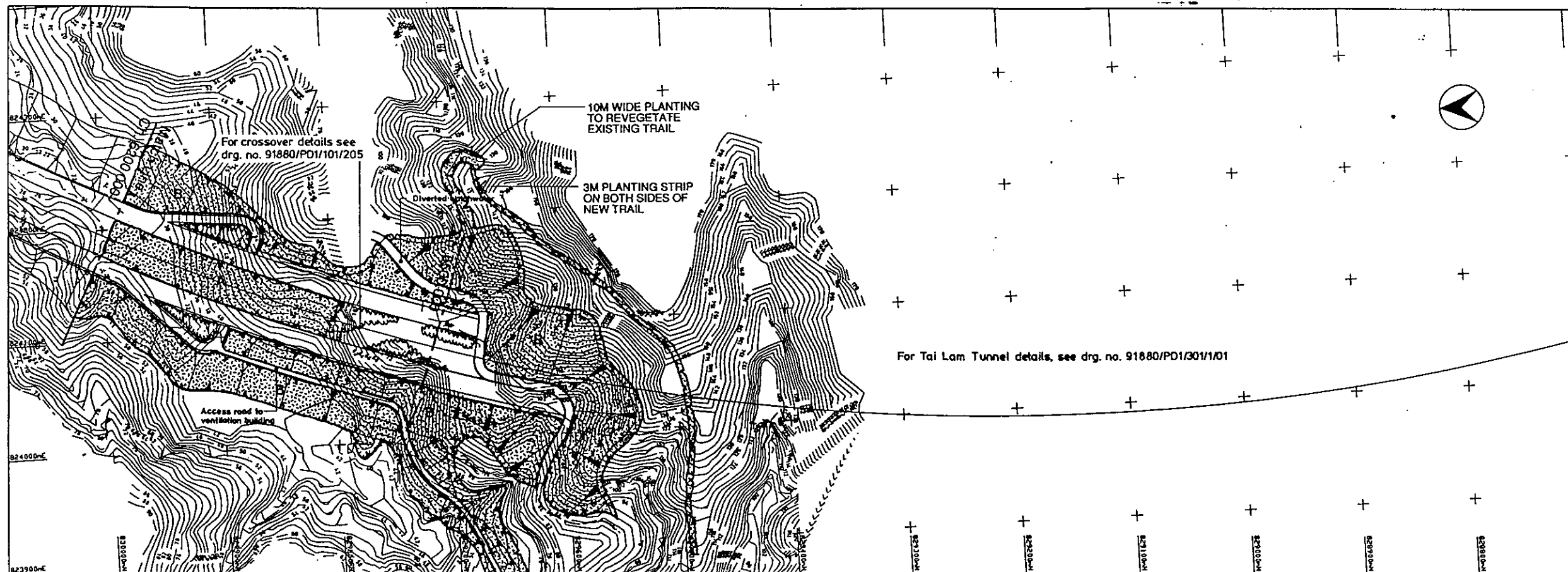
YL3 - PLAN AND PROFILE DUAL 3 OPTION (SHEET 5 OF 6)

LANDSCAPE PLANS

Drawing No. 91880/PD1/801/105
 Date 07/92 Drawn ASH Scale Hor. 1 : 2000
 Checked JK Approved Vert. 1 : 500

Scott Wilson Kirkpatrick & Partners
 Parsons Brinckerhoff (Asia) Ltd
 Charles Haswell & Partners
 Leonhardt André and Partner
 Brian Clovison and Partners
 Liang Peddie Thorp

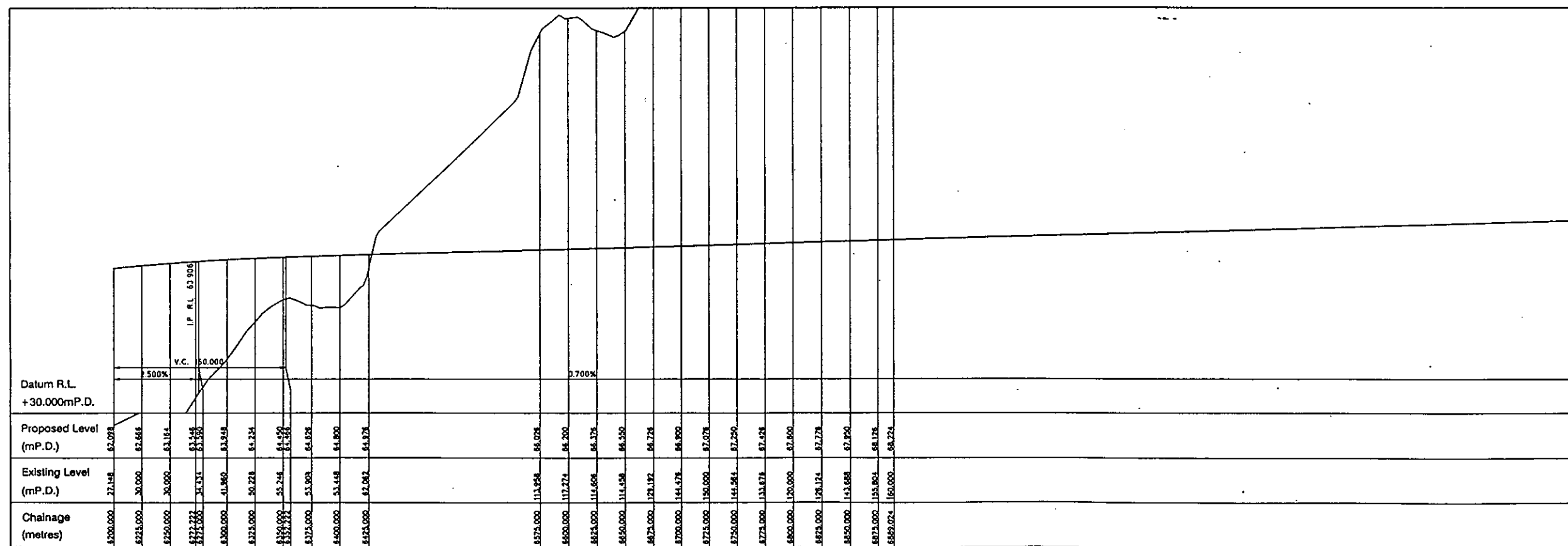
Note: The outline design information shown on this drawing has been produced for costing purposes only.



- Notes :
1. Copyright reserved.
 2. Coordinates are related to Hong Kong Metric Grid (1980).
 3. Dimensions are in metres unless otherwise shown.
 4. Levels are in metres and refer to Principal Datum (P.D.).
 5. Original ground levels shown are approximate only. Ground features omitted.
 6. Cut slopes and fill slopes are at 1 on 1.5 and 1 on 2.0 respectively unless otherwise shown.

- Legend :
- Highway
 - Bridge / Viaduct
 - Tunnel
 - Cut Slope
 - Fill Slope
 - Retaining Wall

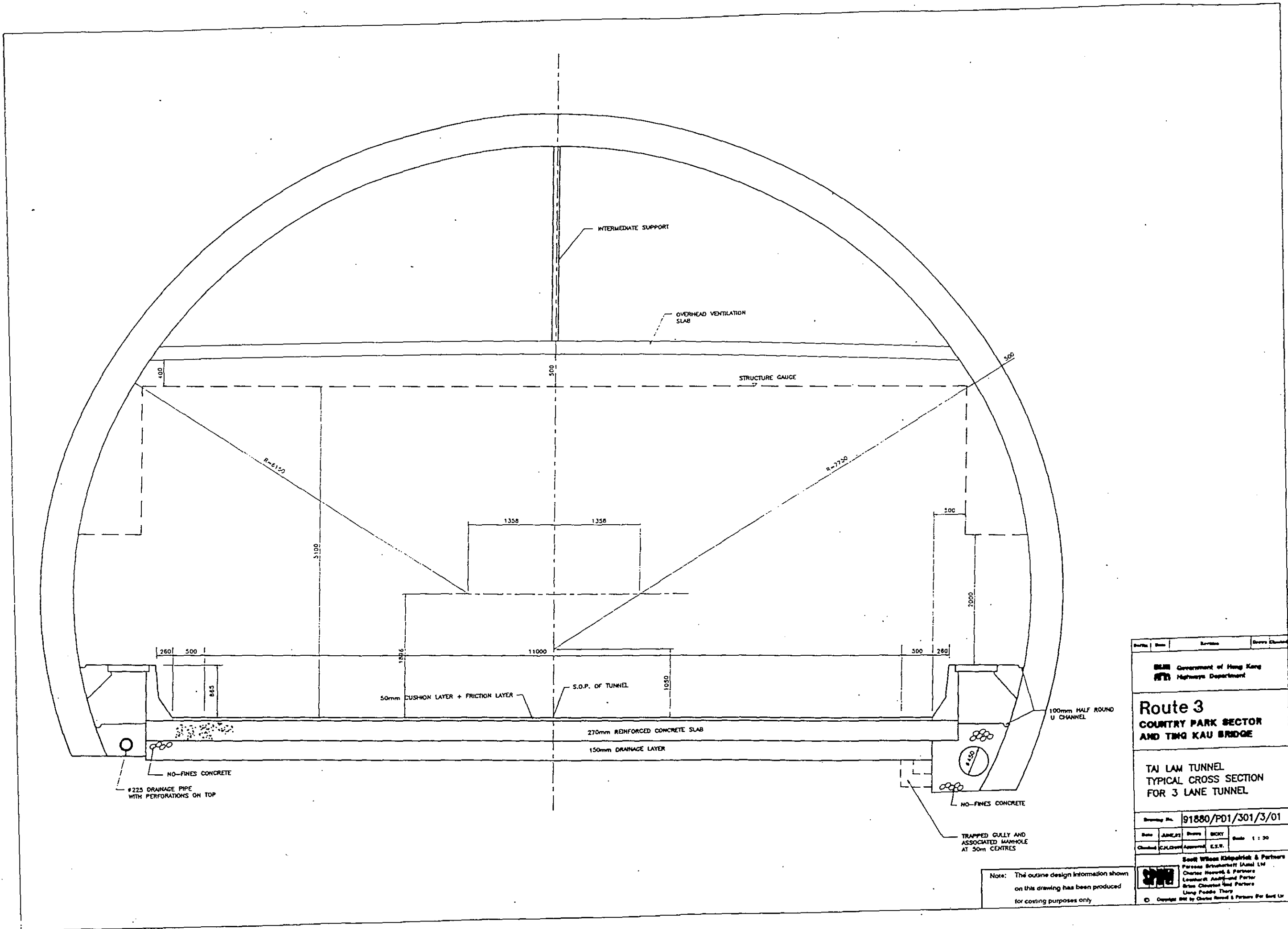
- WOODLAND MIX A
- WOODLAND MIX B
- SHRUB MIX
- HYDROSEED WITH GRASS AND TREE SEED
- BERM PLANTING
- ROADSIDE PLANTING
- MEDIAN PLANTING
- REINSTATEMENT
- HARDSURFACING



Chainage (metres)	Proposed Level (m.P.D.)	Existing Level (m.P.D.)
82000.000	82.078	82.148
82025.000	82.666	80.000
82050.000	83.164	80.000
82075.000	83.446	80.000
82100.000	83.380	80.000
82125.000	83.249	81.980
82150.000	84.224	80.224
82175.000	84.450	85.248
82200.000	84.360	84.360
82225.000	84.826	81.980
82250.000	84.800	81.448
82275.000	84.878	82.062
82300.000		
82325.000		
82350.000		
82375.000		
82400.000		
82425.000		
82450.000		
82475.000		
82500.000		

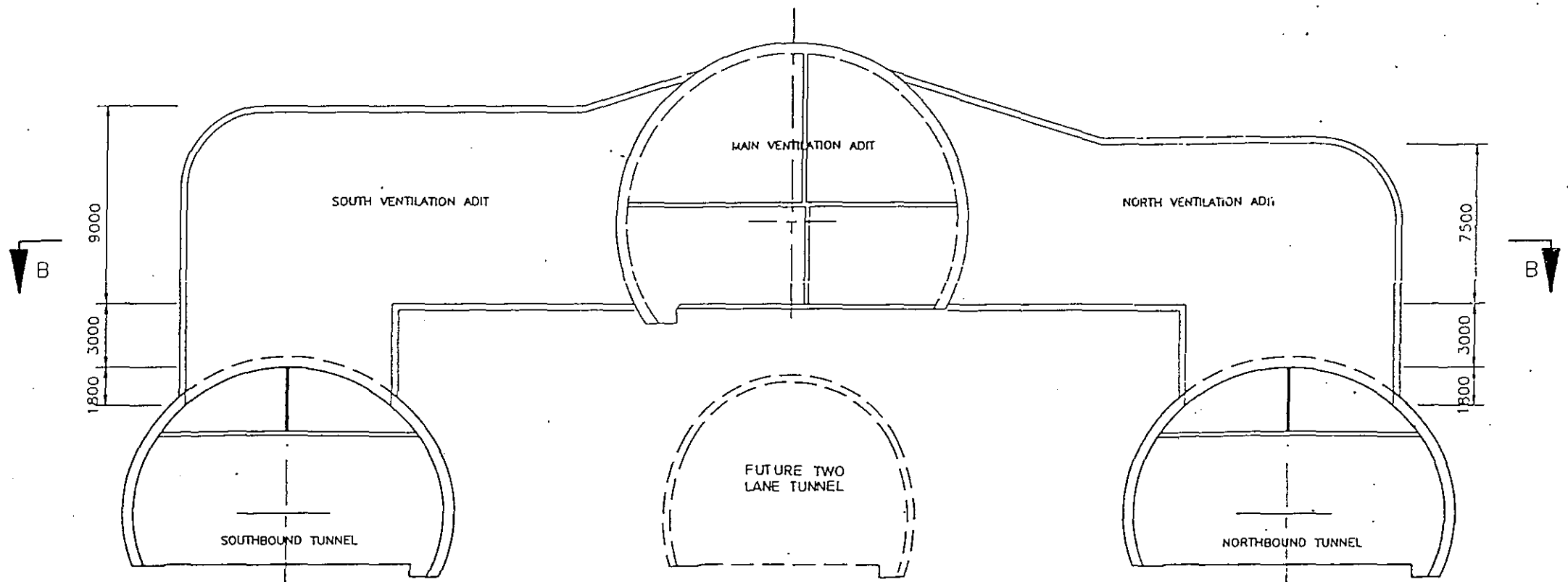
Staff	Date	Revision	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE				
YL3 - PLAN AND PROFILE DUAL 3 OPTION (SHEET 6 OF 6) LANDSCAPE PLANS				
Drawing No.		91880/PD1/801/106		
Date	07/92	Drawn	AH	Scale
Checked	UC	Approved		Hor. 1 : 2000 Vert. 1 : 500
Scott Wilson Kirkpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Haswell & Partners Leonhardt, André & Partner Brian Clouston and Partners Liang Peadar Thorp				

Note: The outline design information shown on this drawing has been produced for costing purposes only.

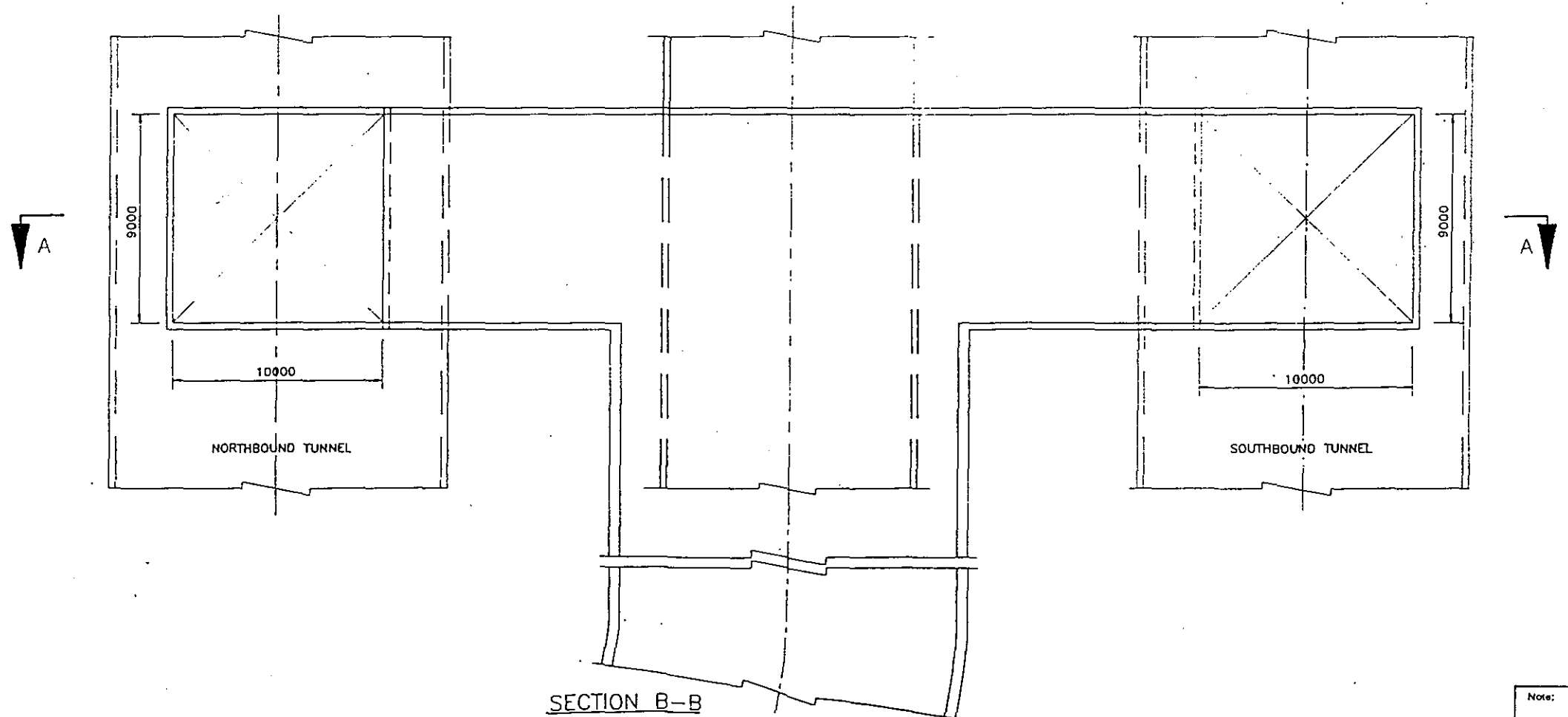


Drawn	Rev	Revision	Drawn/Checked
 Government of Hong Kong Highways Department			
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE			
TAI LAM TUNNEL TYPICAL CROSS SECTION FOR 3 LANE TUNNEL			
Drawing No.	91880/P01/301/3/01		
Date	JAN 21	Drawn	BOCY
Checked	CALOVAN	Approved	E.S.W.
Scale 1 : 30			
South Wilson Kildpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Hayward & Partners Leachford Auld and Partners Brian Clouston and Partners Wong Poohe Theng			
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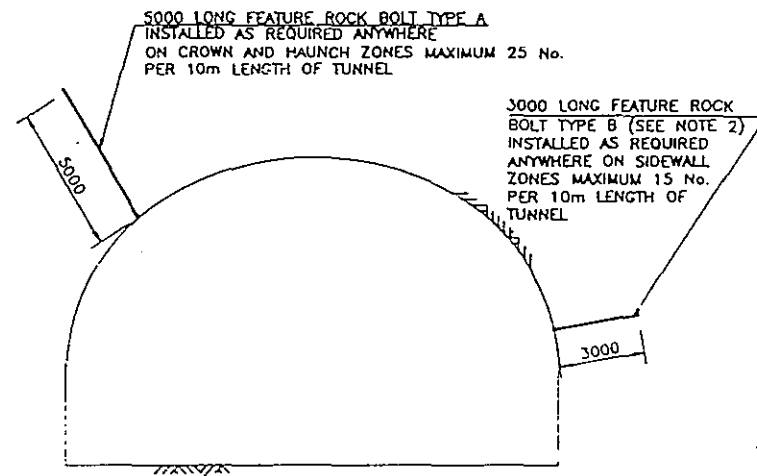
SECTION A-A



SECTION B-B

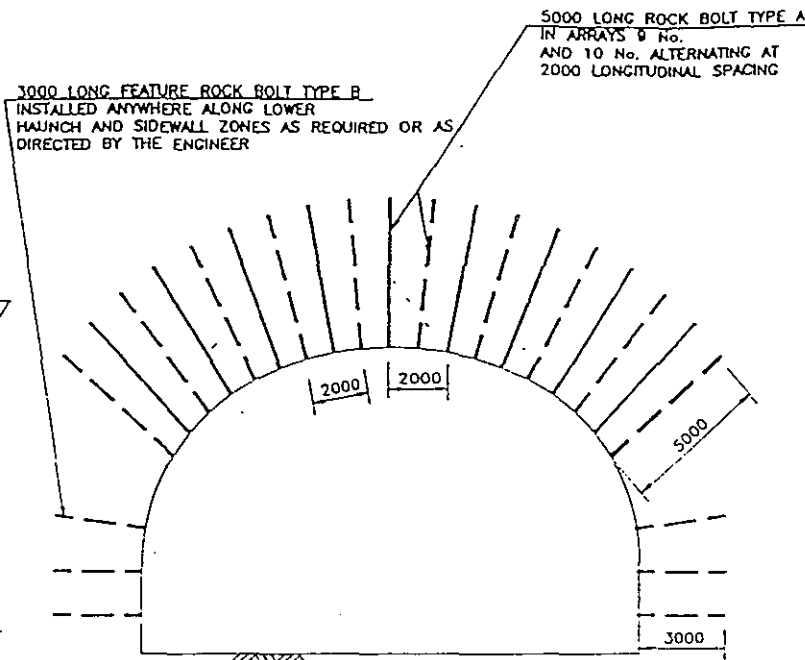
Note: The outline design information shown on this drawing has been produced for costing purposes only.

Scale	1:250	Author	Checked	Drawn	Checked
<p>Government of Hong Kong Highways Department</p>					
<p>Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE</p>					
<p>TAI LAM TUNNEL DUAL 3 CONFIGURATION CONNECTION DETAILS BETWEEN MAIN TUNNEL/VENTILATION ADIT</p>					
Sheet No.	91880/PD1/301/1/07				
Drawn	JANLEY	Checked	DIORY	Scale	1:250
Checked	P.J.	Approved	E.S.W.		
<p>Soil Wilson Knappe & Partners Parsons Brinckerhoff (Asia) Ltd Charles Rowland & Partners Loebbecke Rouse and Porter Brian Davidson and Partners Ling Fooko Terry</p>					
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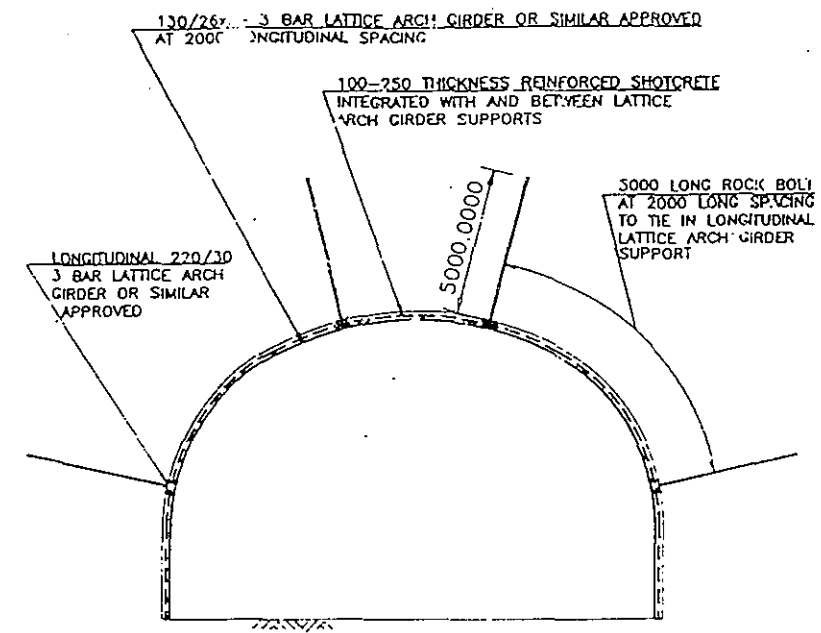
CROSS SECTION SHOWING
TYPICAL SUPPORT CLASS I

SCALE 1:125



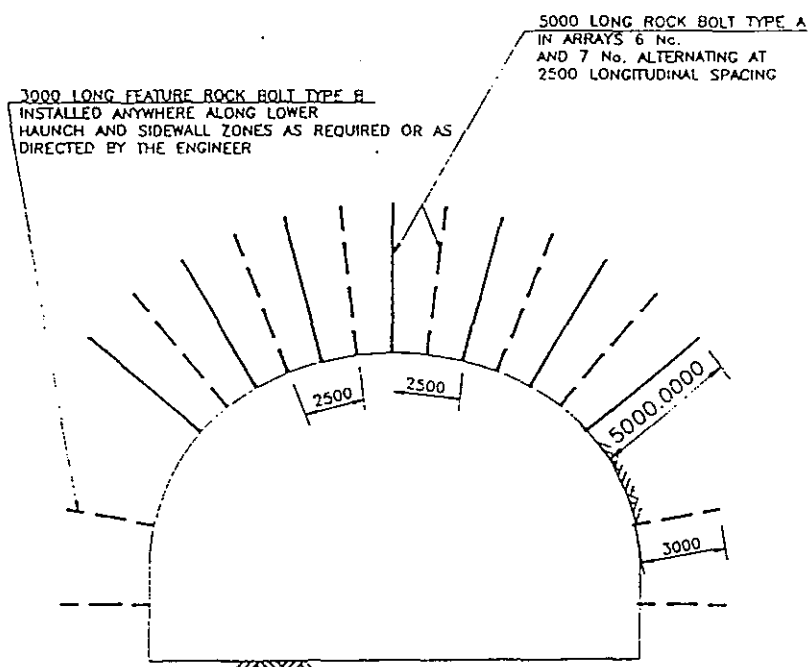
CROSS SECTION SHOWING
TYPICAL SUPPORT CLASS II

SCALE 1:125



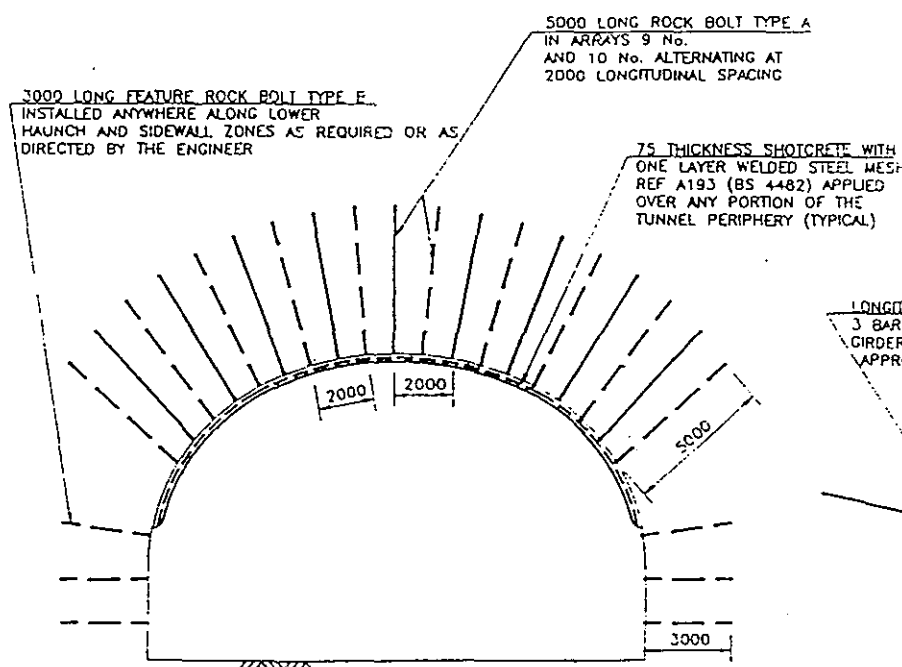
CROSS SECTION SHOWING
TYPICAL SUPPORT CLASS III

SCALE 1:125



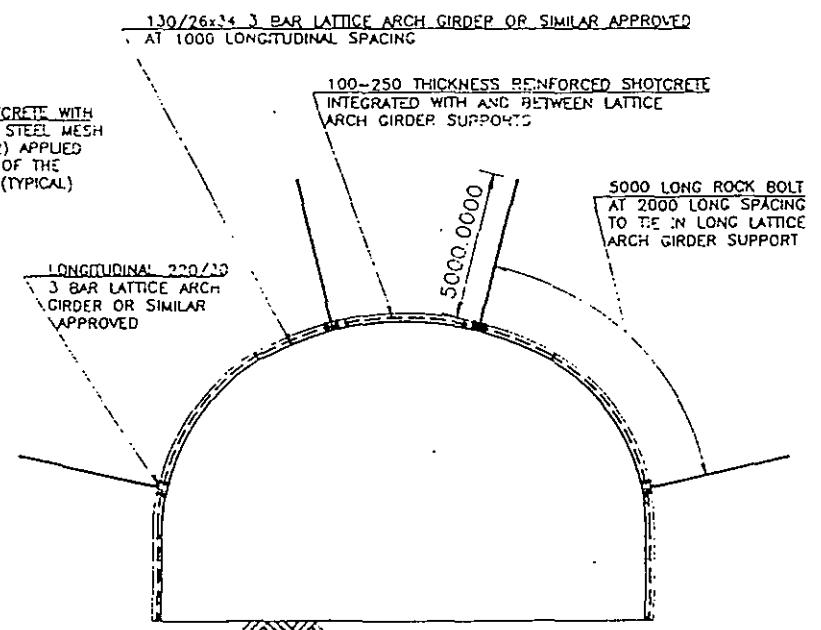
CROSS SECTION SHOWING
TYPICAL SUPPORT CLASS IV

SCALE 1:125



CROSS SECTION SHOWING
TYPICAL SUPPORT CLASS IA

SCALE 1:125

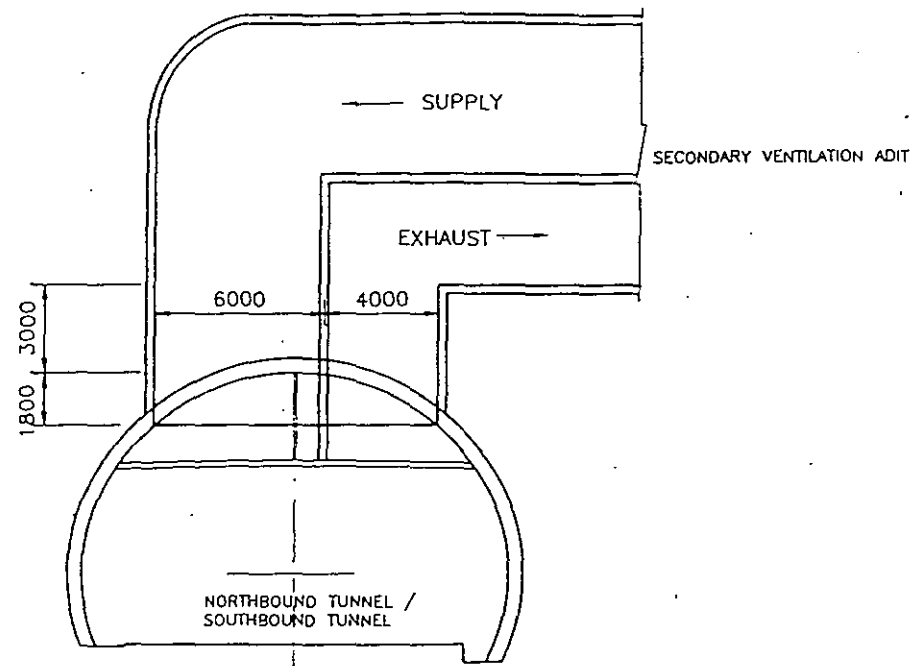


CROSS SECTION SHOWING
TYPICAL SUPPORT CLASS V

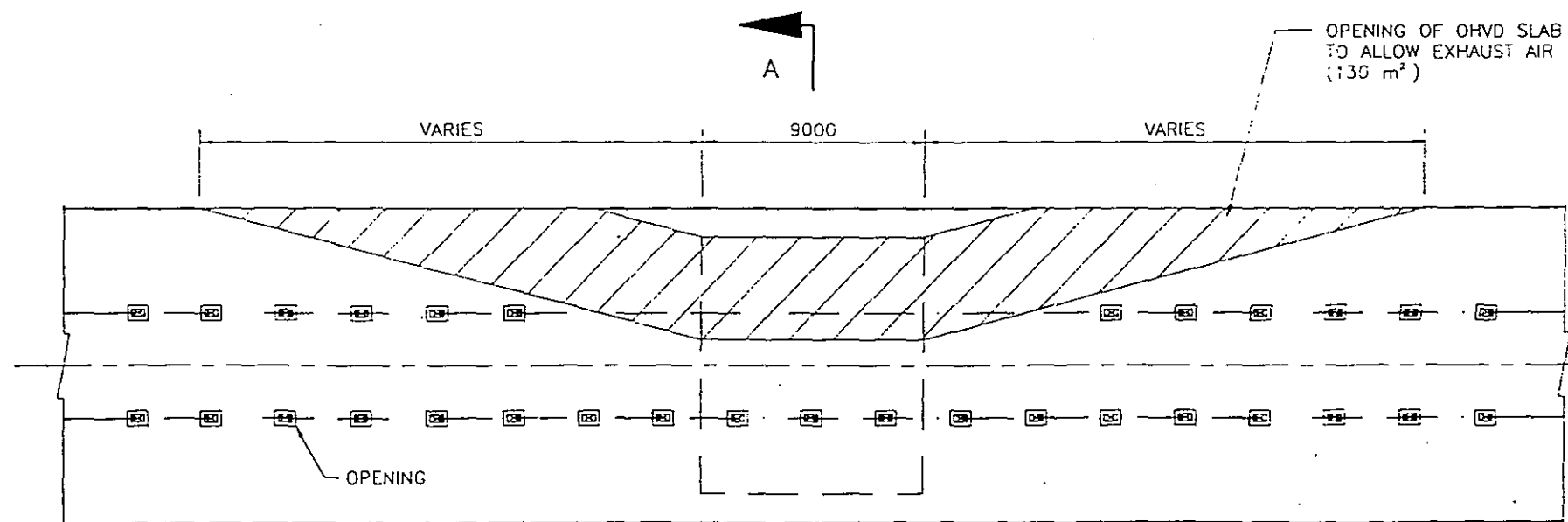
SCALE 1:125

Note: The outline design information shown on this drawing has been produced for costing purposes only

Revised	Date	Revised	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE				
TAI LAM TUNNEL THREE LANE TUNNEL TYPICAL SUPPORT ARRANGEMENTS				
Project No.	91880/PD1/301/1/09			
Drawn	Checked	Design	Drawn	Scale 1:125
Checked	P.H.	Approved	E.S.W.	
Soell Wilson Engineering & Partners Parsons Brinckerhoff (Asia) Ltd Charles Hensell & Partners Lombard Andre and Partner Brian Clouston and Partners Ling Poobee Thery Copyright 2002 by Charles Hensell & Partners (Pte) Ltd				



SECTION A-A (1 : 250)



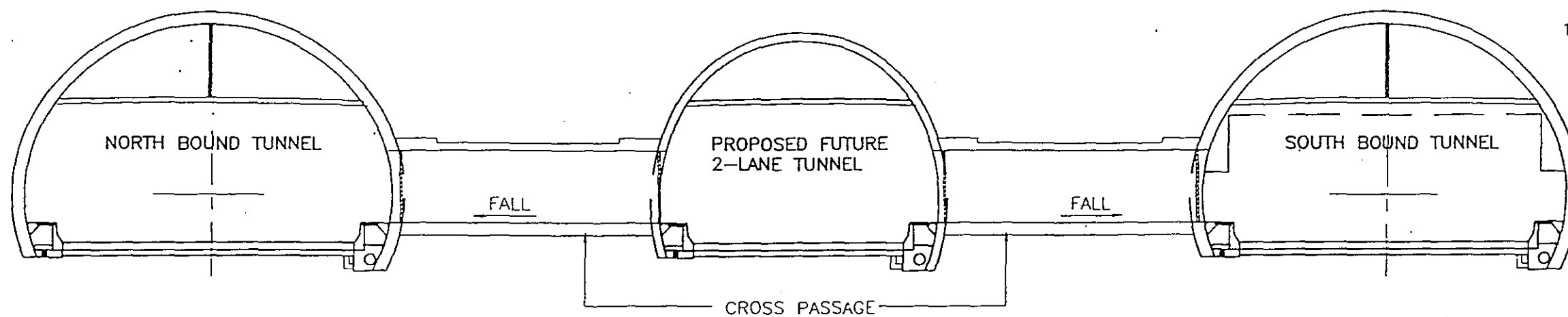
PLAN ON OHVD (1 : 250)

Scale	Date	Revision	Drawn/Checked
 Government of Hong Kong Highways Department			
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE			
TAI LAM TUNNEL DUAL 3 CONFIGURATION OHVD GENERAL ARRANGEMENT MAIN TUNNEL/VENTILATION ADIT JUNCTION			
Drawing No.	91880/PD1/301/1/11		
Date	APR 02	Drawn	SKY
Checked	P.J.	Approved	E.S.R.
Scale 1 : 250			
Soell Woon Khepriok & Partners Parsons Brinckerhoff (Asia) Ltd Charles Hayward & Partners Loebhardt Andre and Partner Brian Chouhuen and Partners Liang Fooklin Theory			
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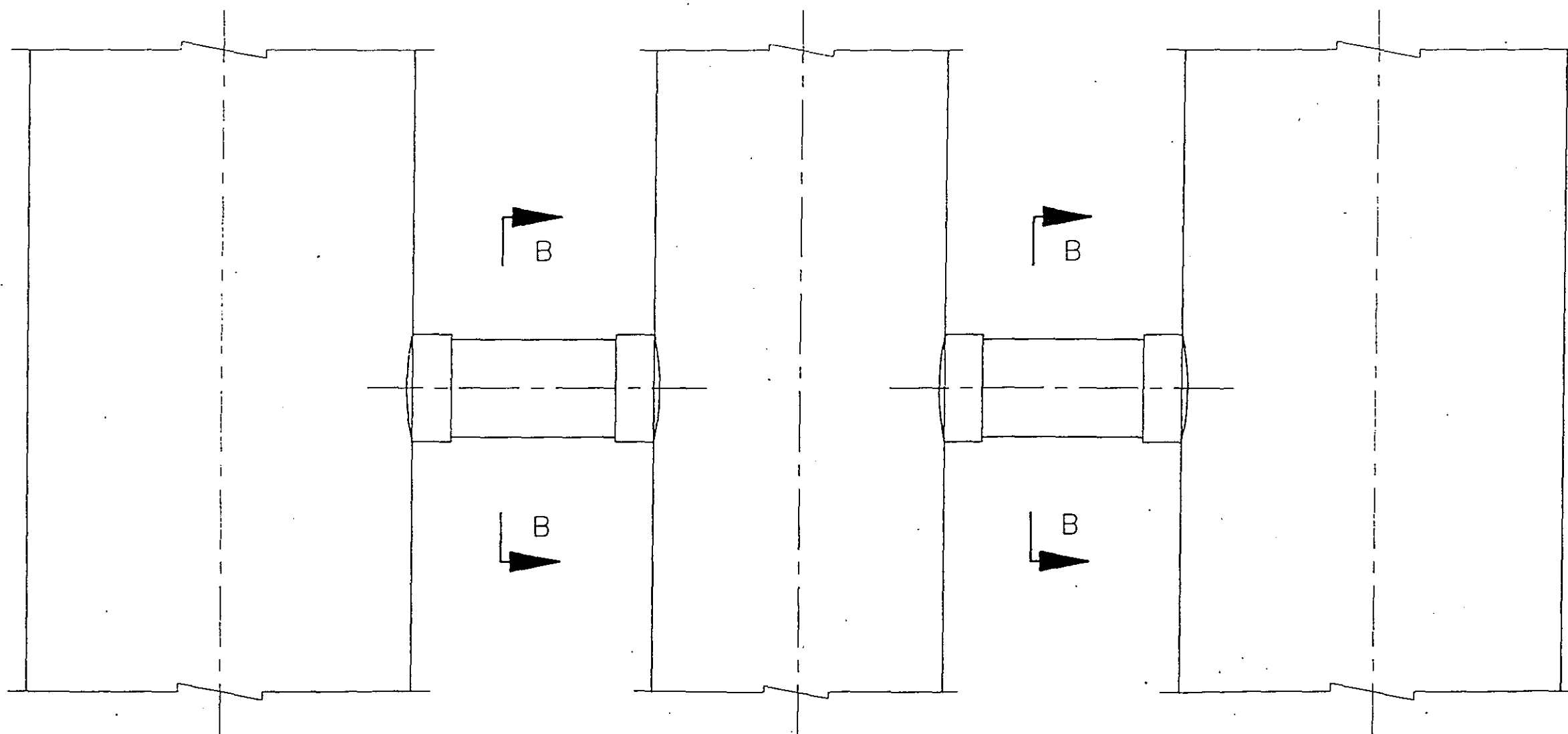
Note: The outline design information shown on this drawing has been produced for costing purposes only.

NOTE:

1. TYPICAL CROSS SECTION OF CROSS PASSAGE REFER TO DWG. NO. 91880/PD1/301/3/04



SECTION ELEVATION



PLAN

Author	Drawn	Revision	Drawn Checked
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Government of Hong Kong
Highways Department

Route 3
COUNTRY PARK SECTOR
AND TING KAU BRIDGE

TAI LAM TUNNEL
GENERAL ARRANGEMENT OF
CROSS PASSAGE FOR
3-2-3 CONFIGURATION

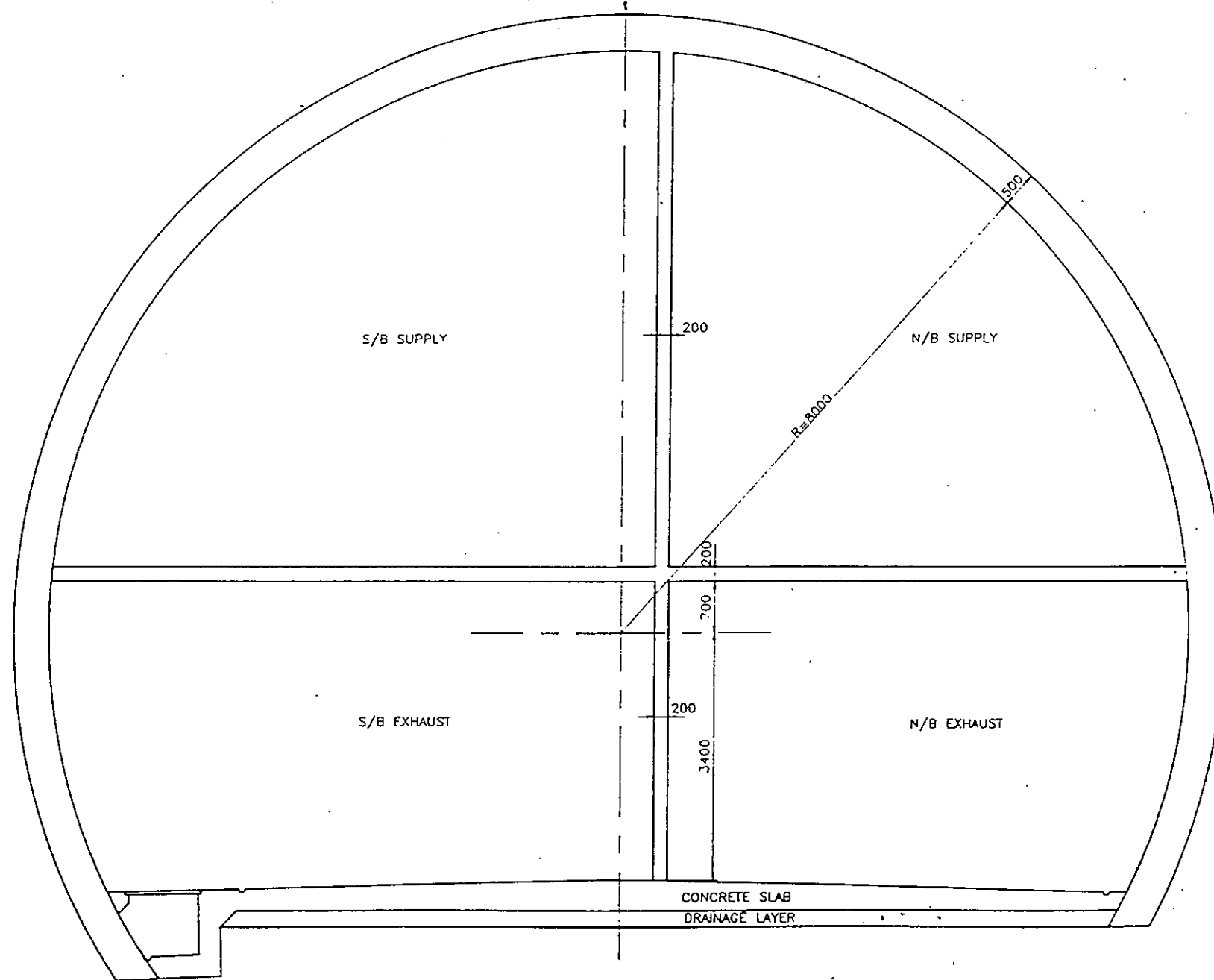
Drawing No. 91880/PD1/301/3/03

Date	APR 03	Drawn	SEWY	Scale	1 : 200
Checked	CND/WH	Approved	E.S.M.		

Scott Wilson Kiewitpatrick & Partners
Parsons Brinckerhoff (Asia) Ltd
Charles Hayward & Partners
Lambert & Partners
Wise Clouston and Partners
Liang Poo Hin Theng

Note: The outline design information shown on this drawing has been produced for costing purposes only.

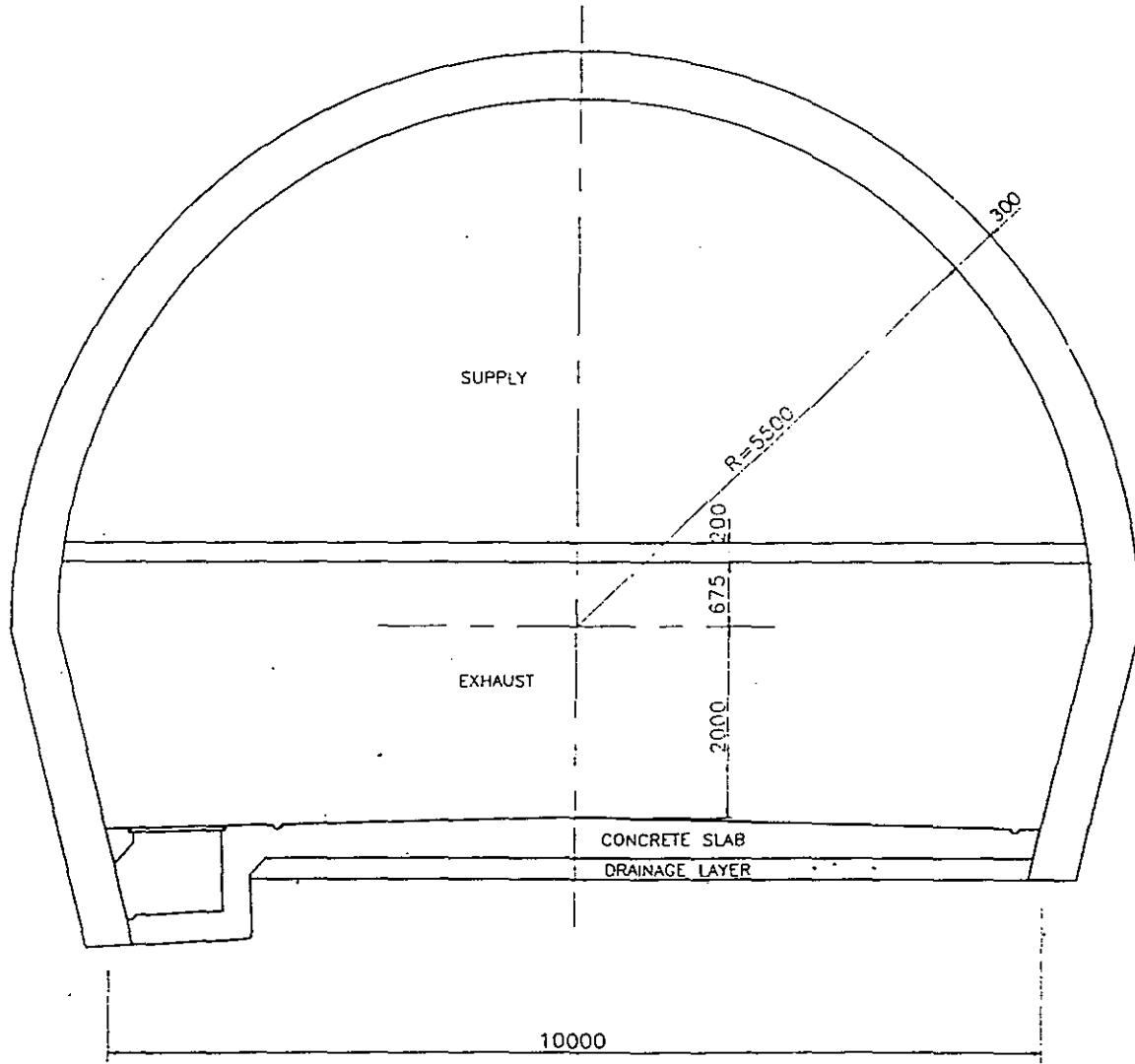
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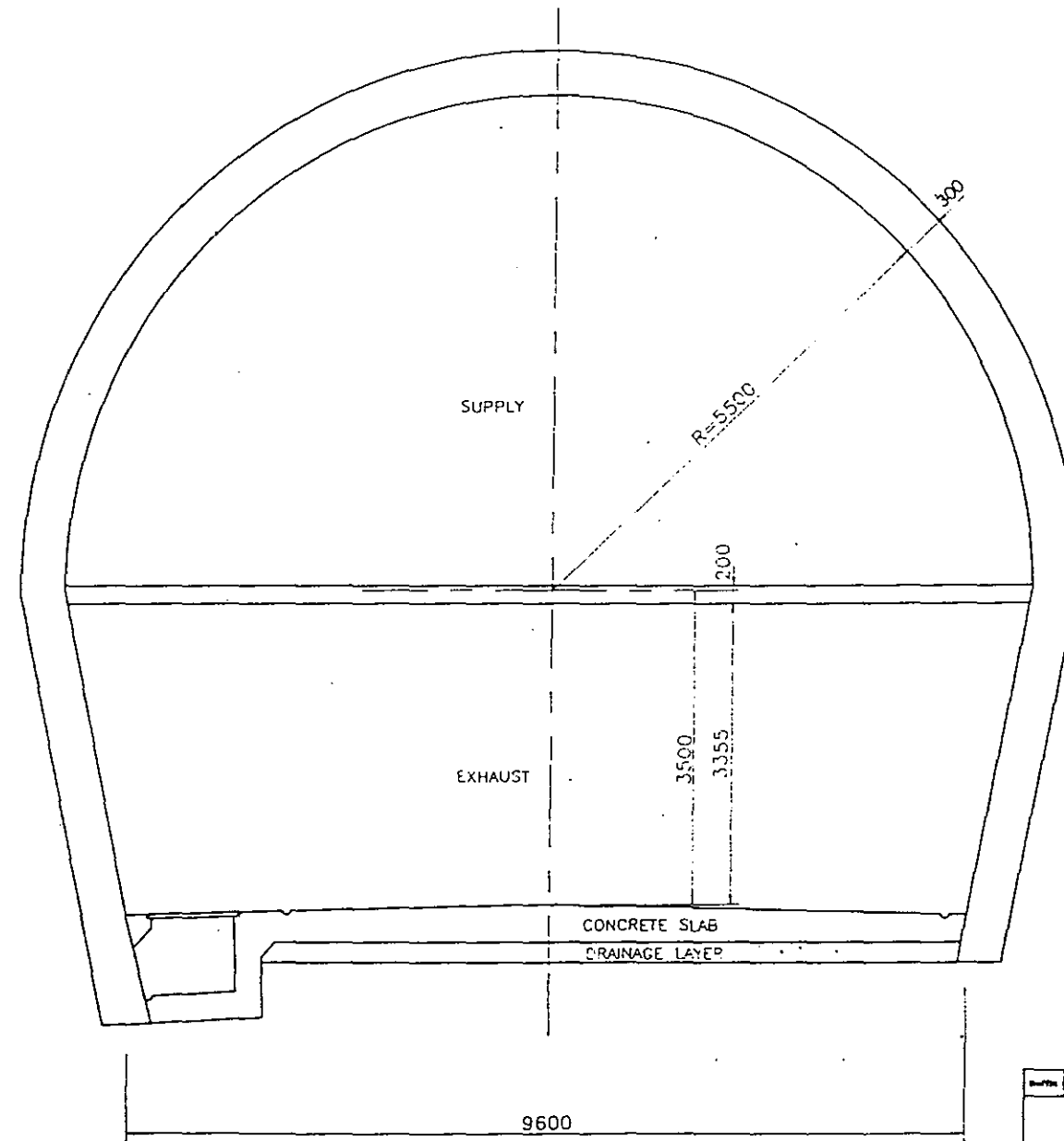
TYPICAL CROSS SECTION OF
MAIN VENTILATION ADIT

Author	Drawn	Revised	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE				
TAI LAM TUNNEL TYPICAL CROSS SECTION OF VENTILATION ADIT FOR DUAL 3 CONFIGURATION				
Drawing No.	91880/PD1/301/3/05			
Date	JUN 05	Drawn	SECKY	Scale 1 : 75
Checked	T. U.	Approved	E.S.W.	
Scott Wilson Kiewit & Partners Parsons Brinckerhoff (Asia) Ltd Charles Leonard & Partners Leonghardt Andre and Partner Brian Cheong and Partner Liang Pooda Thong				
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Note: The outline design information shown on this drawing has been produced for costing purposes only.



NORTH VENTILATION ADIT



SOUTH VENTILATION ADIT

Scale	Date	Revision	Drawn/Checked
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HD Government of Hong Kong
HD Highways Department

Route 3
COUNTRY PARK SECTOR
AND TING KAU BRIDGE

TAI LAM TUNNEL
TYPICAL CROSS SECTION
OF SECONDARY VENTILATION
ADIT FOR DUAL 3
CONFIGURATION

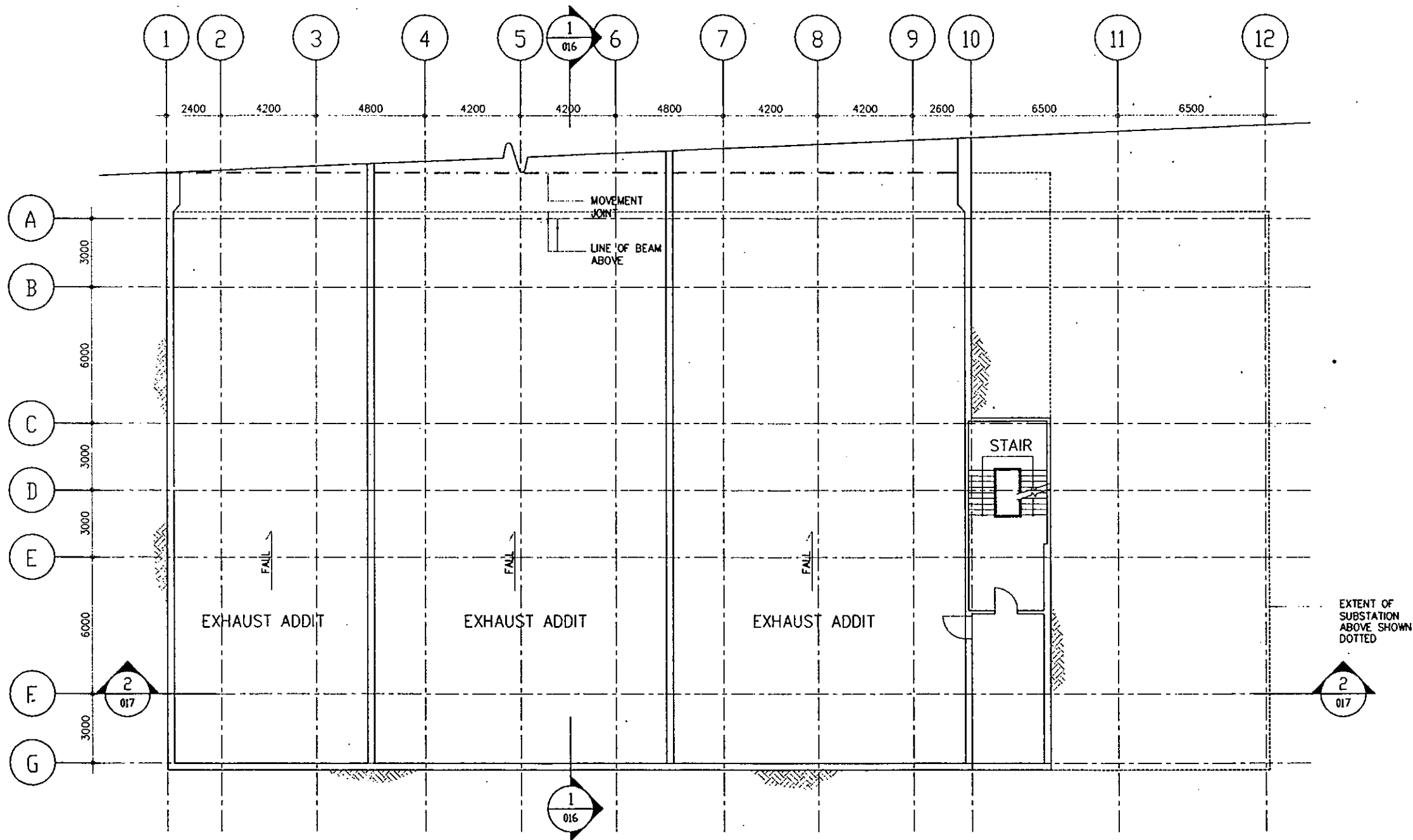
Drawing No. 91880/PD1/301/3/06

Drawn	J.W.C.	Checked	T. U.	Scale	1 : 75
Approved	E.S.W.				

Soell Wilson Knappebach & Partners
Parsons Brinckerhoff (Asia) Ltd
Charles Howard & Partners
Lokmanji Anand and Partner
Brian Clewton and Partners
Liang Poobin Theng

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010

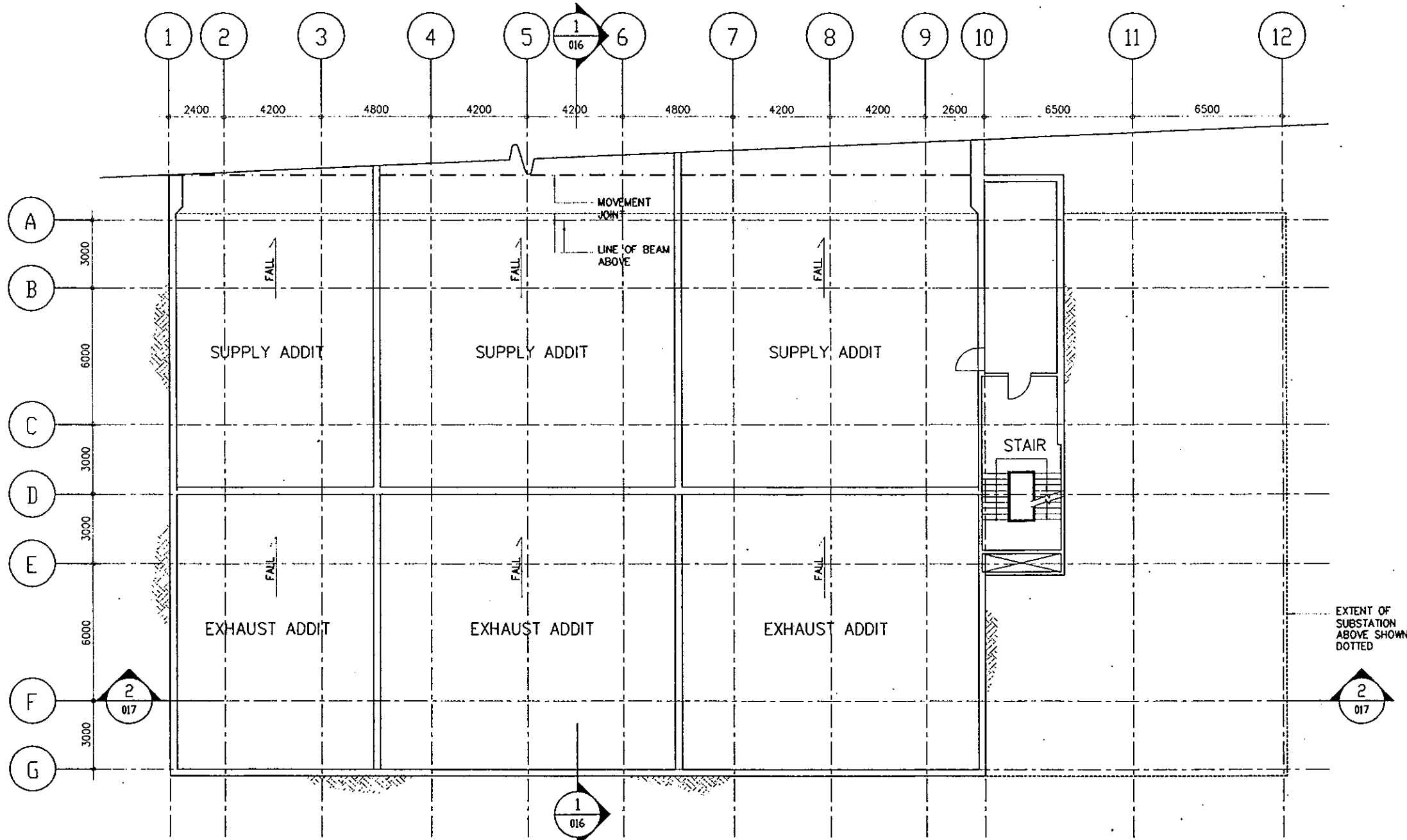
BASEMENT 2 PLAN
SCALE 1:200

Suffix	Date	Revision	Drawn	Checked
 Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE NORTHERN VENTILATION BUILDING BASEMENT 2 PLAN 3-2-3 OPTION				
Drawing No.		91860/PD1/031/010		
Date	6/92	Drawn	LAW	Job No. 91279
Checked	DR	Approved		Scale 1:200
Scott Wilson Kitchpatrick & Partners Persons Subscribed (Asks) Ltd Charles Howard & Partners Brian Chouhan and Partners Ling Po-kei Terry				

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1
011

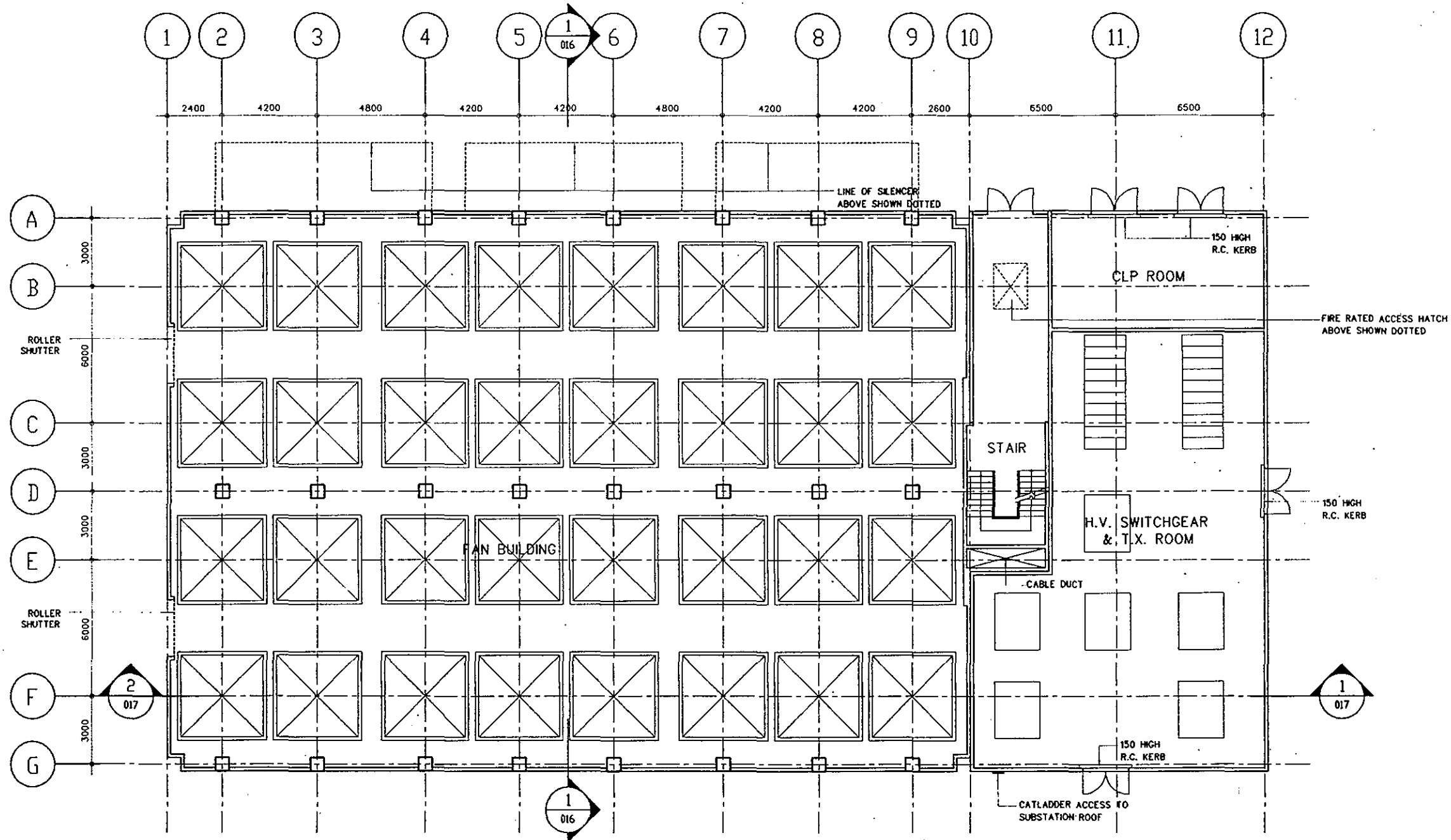
BASEMENT 1 PLAN

Suffix	Date	Revision	Drawn	Checked
 Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE NORTHERN VENTILATION BUILDING BASEMENT 1 PLAN 3-2-3 OPTION				
Drawing No.	91860/PD1/031/011			
Date	6/92	Drawn	LAW	Job No. 91279
Checked	DR	Approved		Scale AS DM
 Scott Wilson Kirkpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Hayward & Partners Brian Clouston and Partners Liang Poole Thorp				

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1
012

GROUND FLOOR PLAN

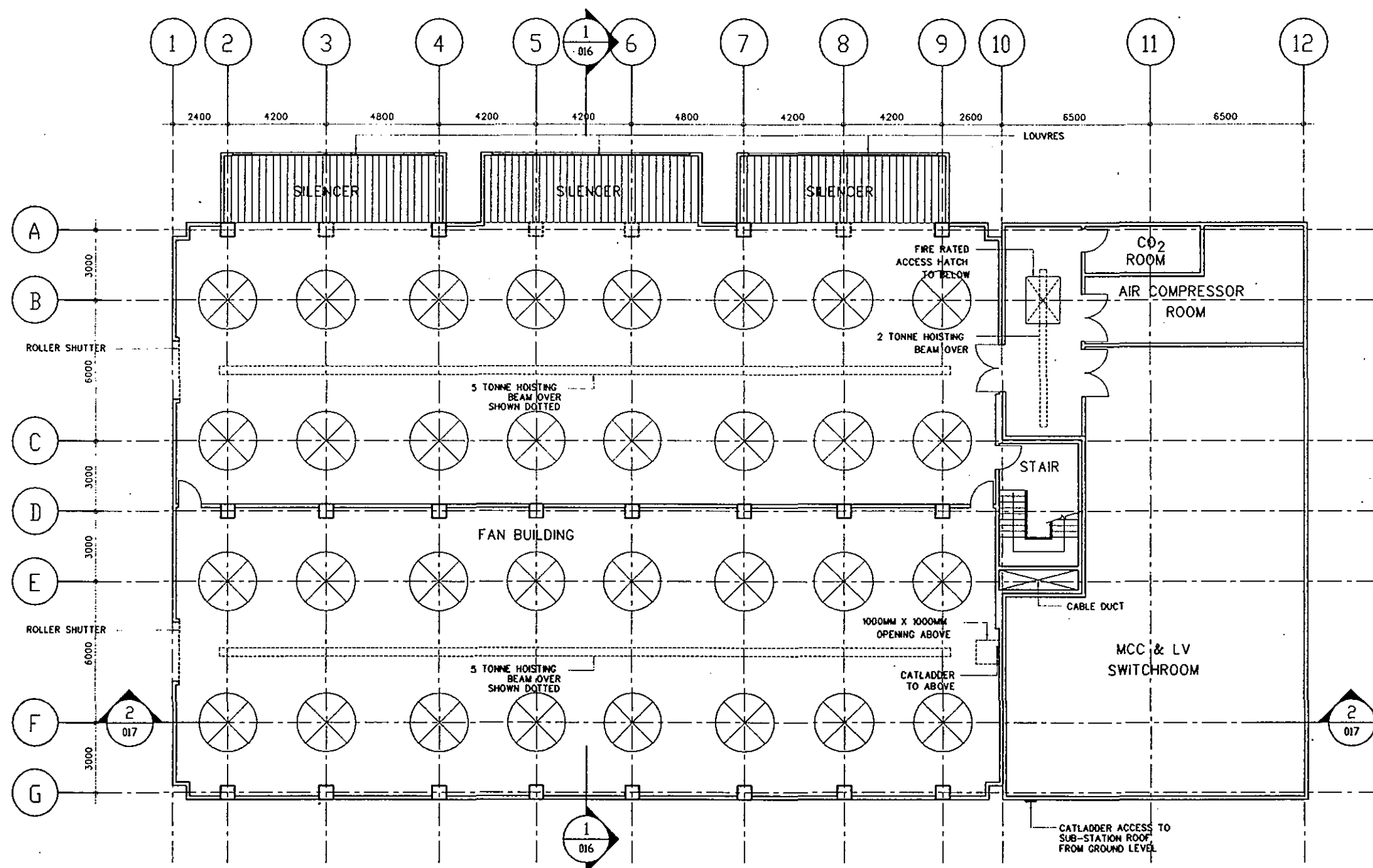
SCALE 1:200

Surfice	Date	Revision	Drawn	Checked
Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE NORTHERN VENTILATION BUILDING GROUND FLOOR PLAN 3-2-3 OPTION				
Drawing No.	9980/PO/031/02			
Date	8/82	Drawn	LAVF	Job No. 91279
Checked	DR	Approved		Scale 1:200
Scott Wilson Kitchpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Hayward & Partners Brian Clouston and Partners Liang Po Kuo & Partners				

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1
013

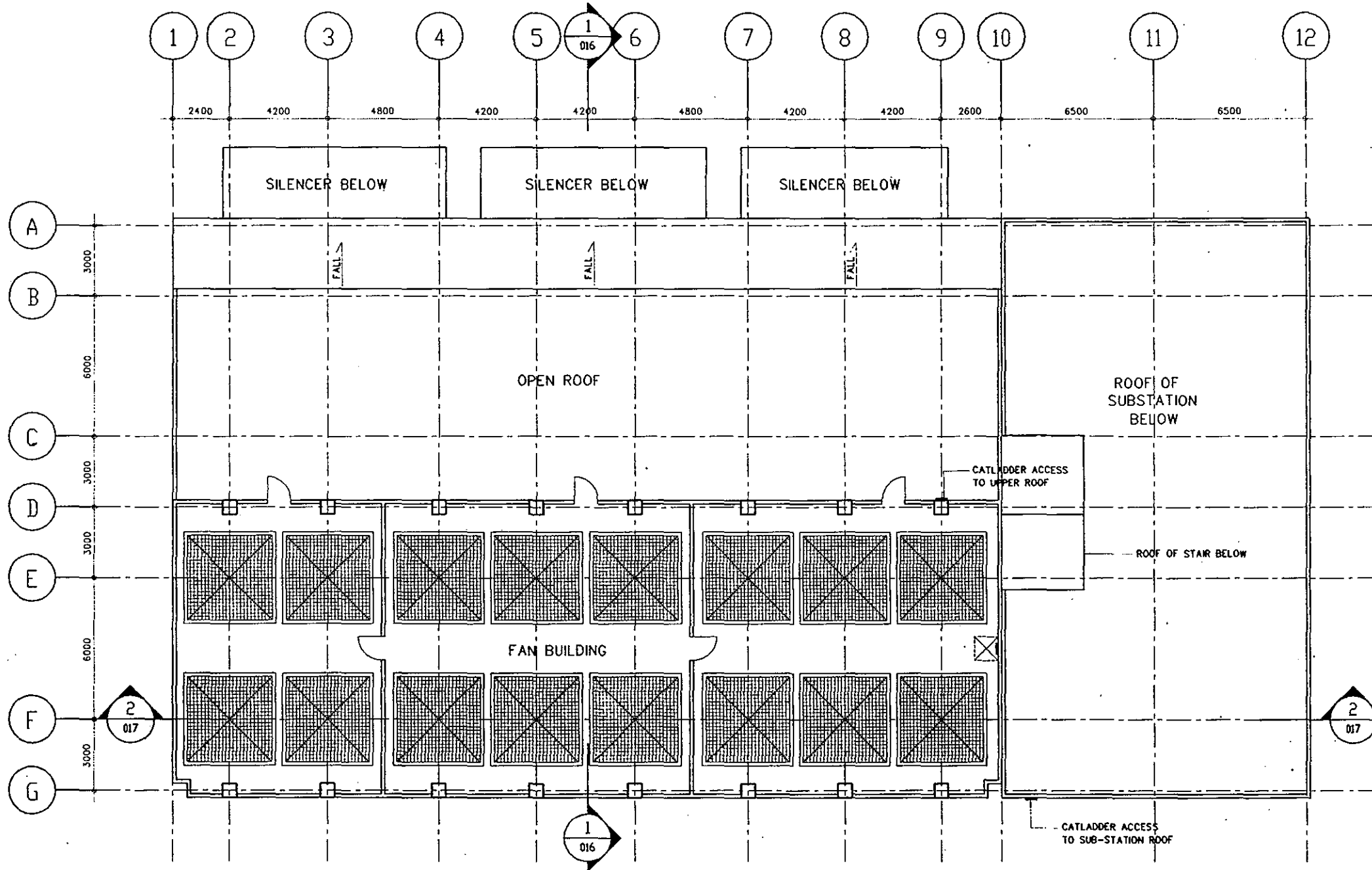
FIRST FLOOR PLAN

SCALE 1:200

FAN BUILDING SUB-STATION BUILDING
 (AT DAMPER LEVEL REFER SECTION 2-2)

Suffix	Date	Revision	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE NORTHERN VENTILATION BUILDING FIRST FLOOR PLAN 3-2-3 OPTION				
Drawing No.	0980/PP1/031/013			
Date	8/92	Drawn	LAVF	Job No. 91273
Checked	DR	Approved		Scale 1:200
Scott Wilson Kitchpatrick & Partners Pamela Winterkell (Asia) Ltd Christine Hanson & Partners Brian Clouston and Partners Liang Poodie Tharp				

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014

SECOND FLOOR PLAN

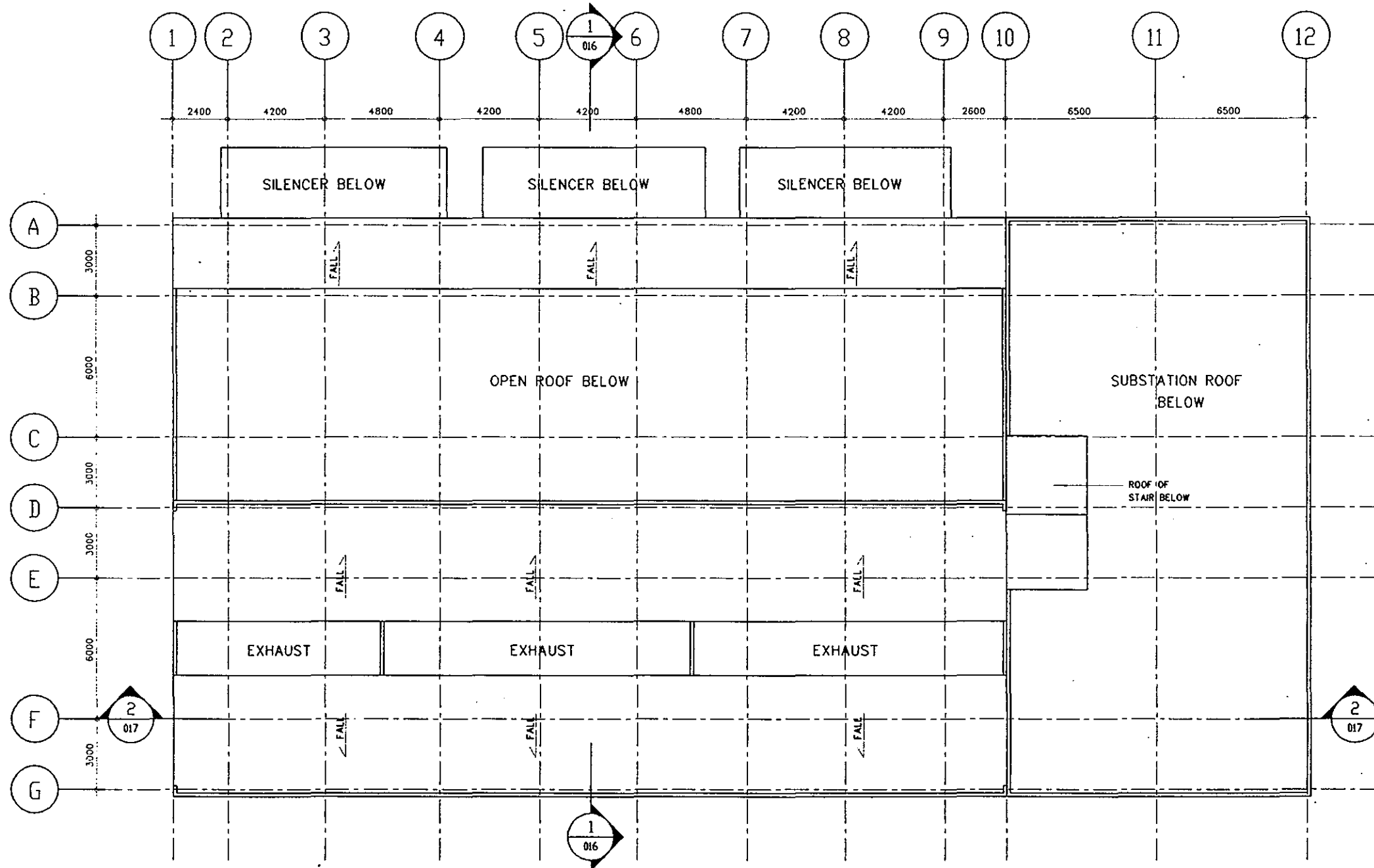
SCALE 1:200

Surf.	Date	Revision	Drawn	Checked
Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE				
NORTHERN VENTILATION BUILDING SECOND FLOOR PLAN 3-2-3 OPTION				
Drawing No.	9880/P01/031/014			
Date	8/92	Drawn	LAVF	Job No. 9279
Checked	DR	Approved		Scale 1:200
Soil Wilson Kitpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Marshall & Partners Brian Cassin and Partners Ling Padoh Therp				

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015

ROOF PLAN

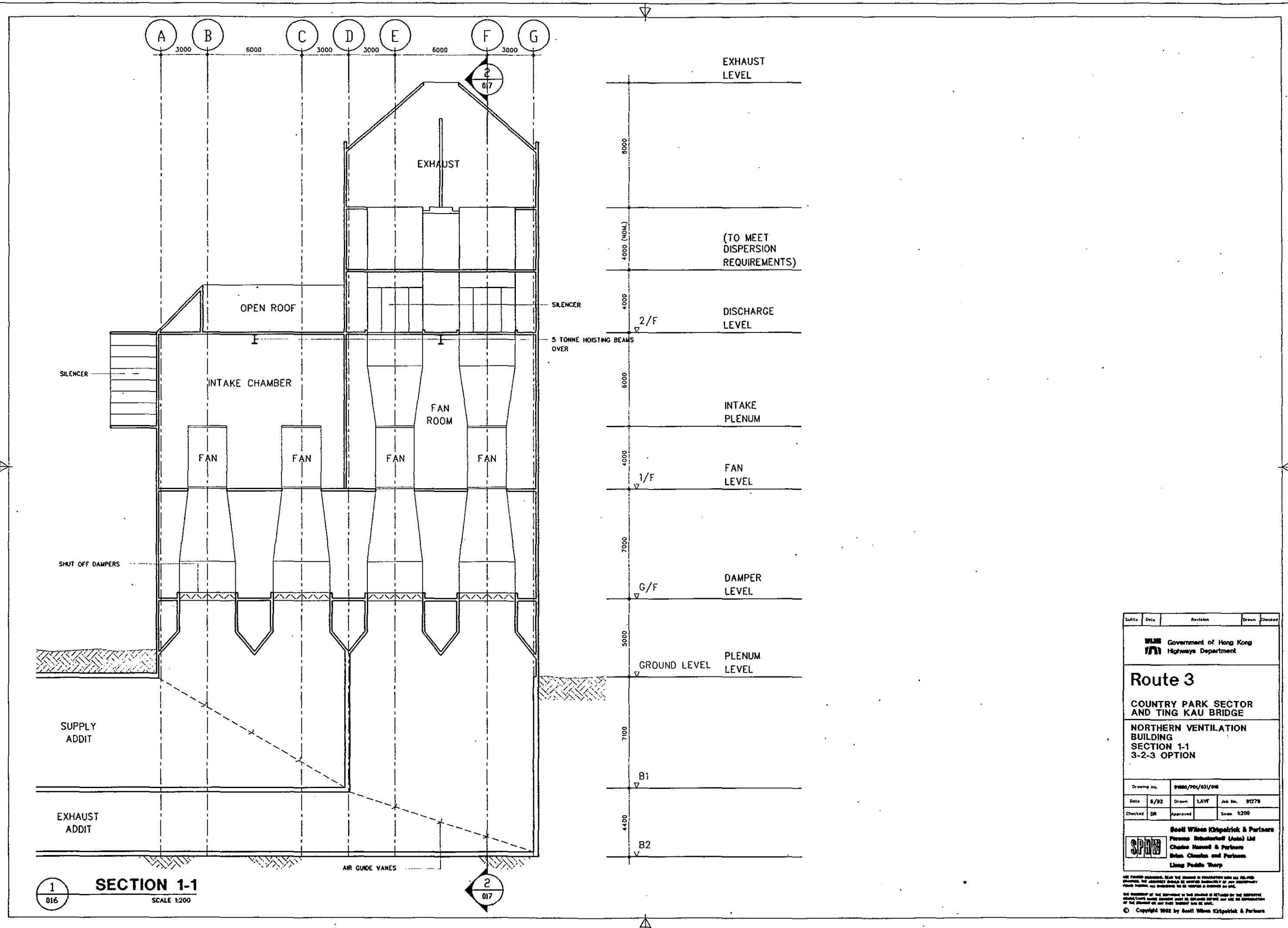
SCALE 1:200

Surfix	Date	Revision	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE NORTHERN VENTILATION BUILDING ROOF PLAN 3-2-3 OPTION				
Drawing No.	9880/PD/031/05			
Date	6/92	Drawn	LAVT	Job No. 91278
Checked	DR	Approved		Scale 1:200
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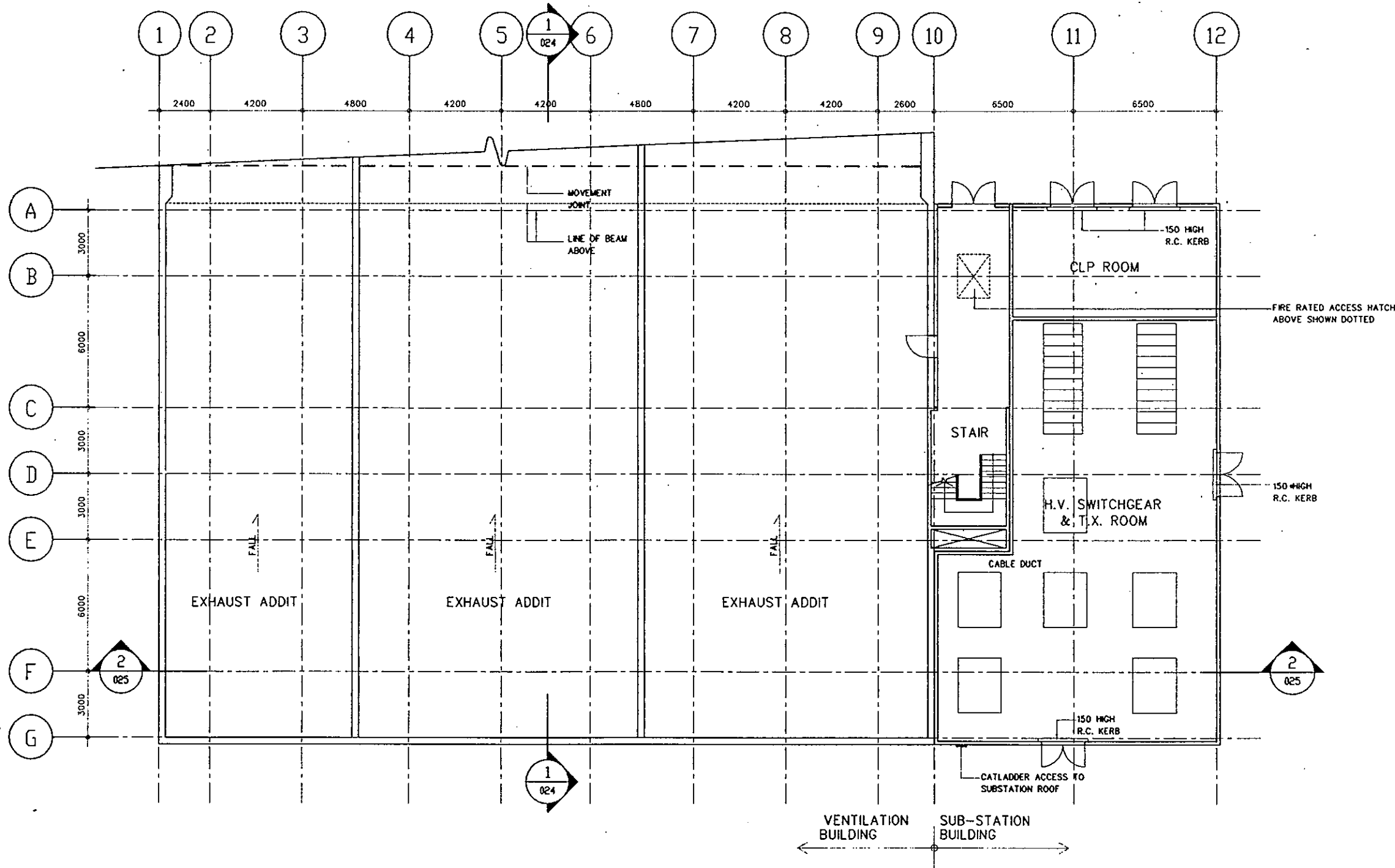
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1 SECTION 1-1
016 SCALE 1:200

Suffix	Date	Revision	Drawn	Checked
 Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE NORTHERN VENTILATION BUILDING SECTION 1-1 3-2-3 OPTION				
Drawing No.	91860/701/031/016			
Date	6/82	Drawn	LAVF	Job No. 91279
Checked	DR	Approved		Scale 1:200
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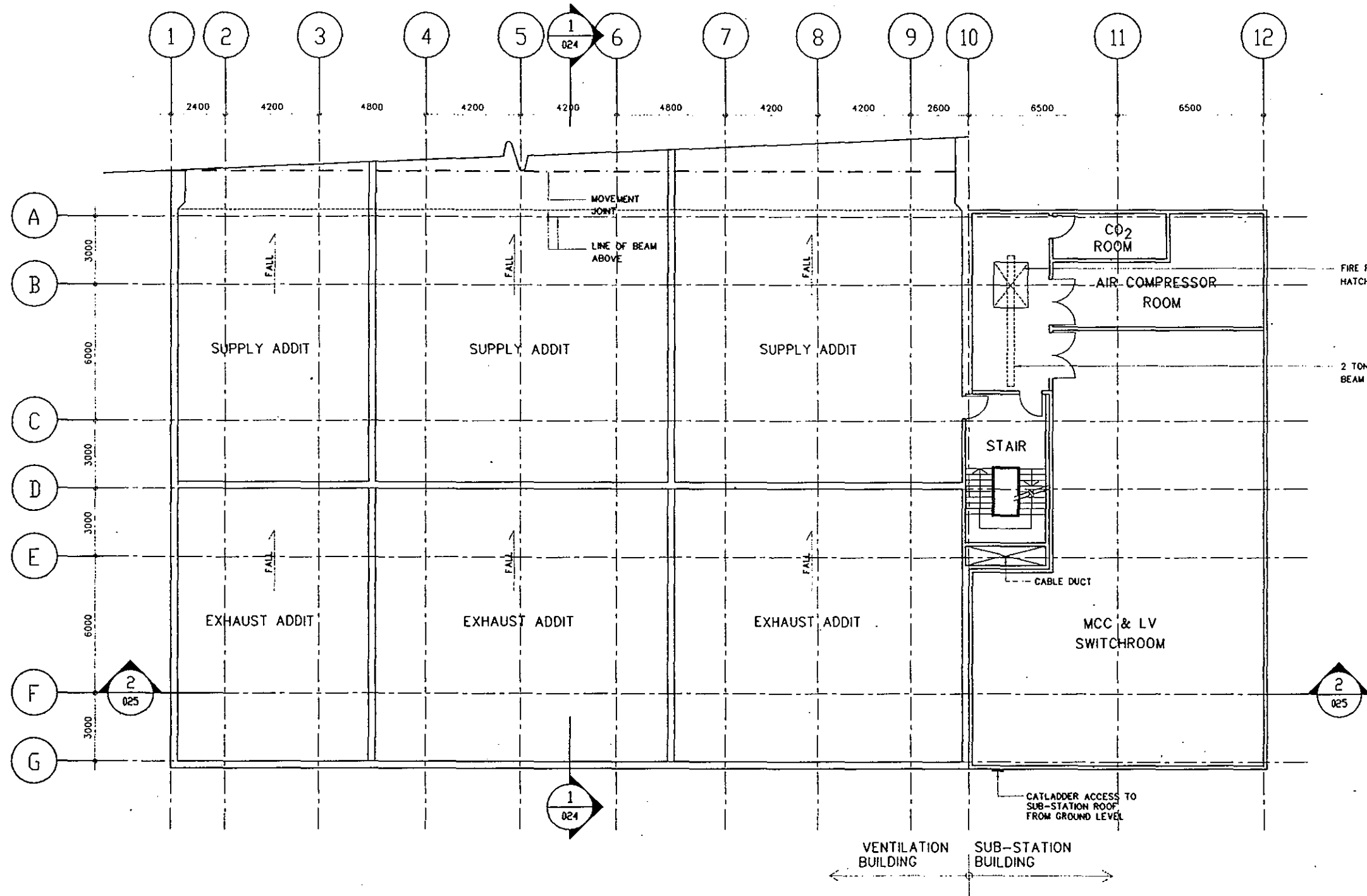


GROUND FLOOR PLAN

SCALE 1:200

Surf.	Date	Revision	Drawn	Checked
<h3>Route 3</h3>				
COUNTRY PARK SECTOR AND TING KAU BRIDGE				
SOUTHERN VENTILATION BUILDING BASEMENT 2 PLAN 3-2-3 OPTION				
Drawing No.	9886/701/031/08			
Date	8/82	Drawn	LAVF	Job No. 91278
Checked	DR	Approved		Scale 1:200
Scott Wilson Kirkpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Harwell & Partners Bahn, Clouston and Partners Ling Po Kuo & Partners				

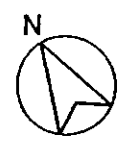
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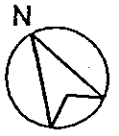
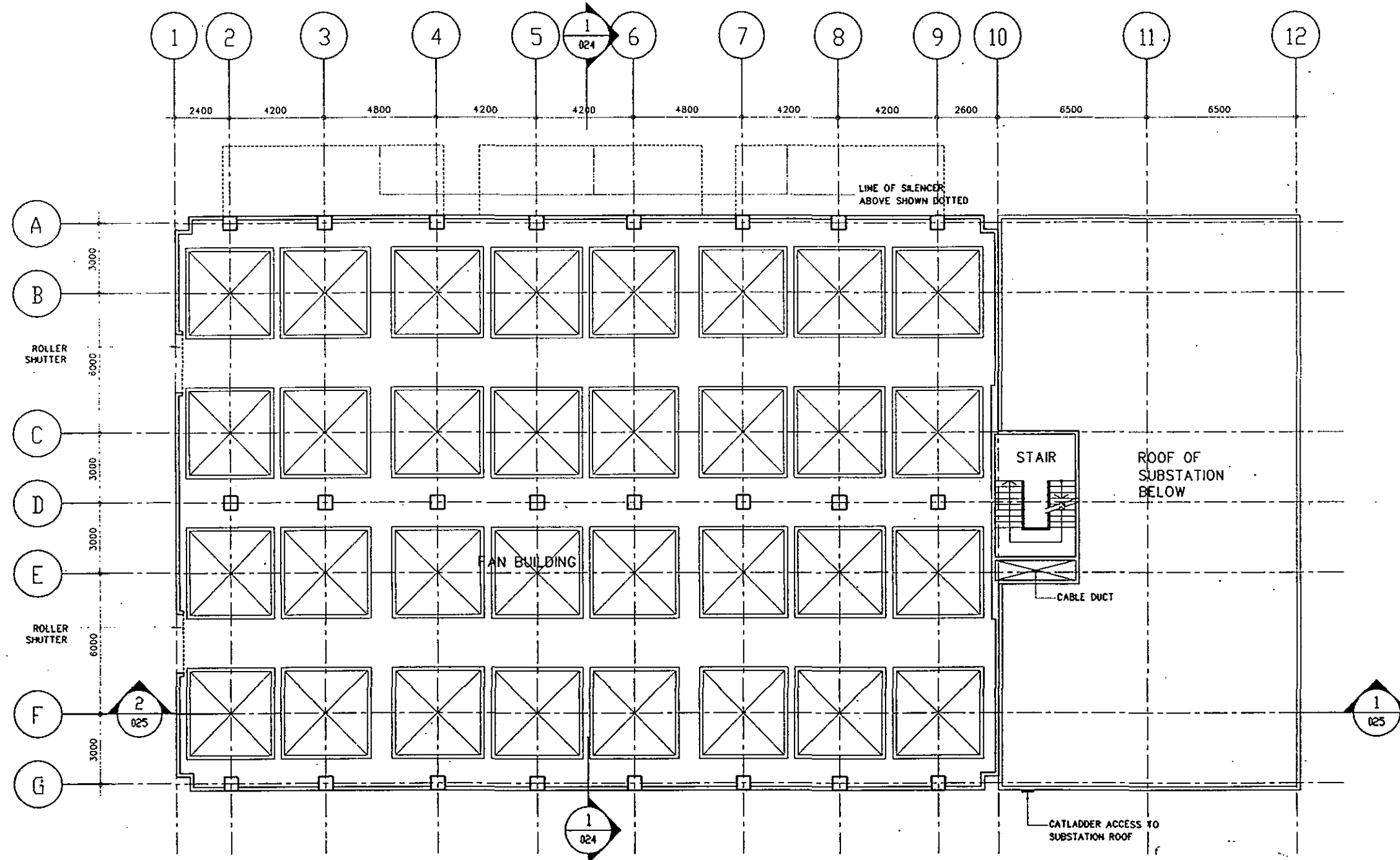
VENTILATION BUILDING SUB-STATION BUILDING



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019

FIRST FLOOR PLAN
SCALE 1:200

Staff	Date	Revision	Drawn	Checked
 Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE SOUTHERN VENTILATION BUILDING BASEMENT 1 PLAN 3-2-3 OPTION				
Drawing No.	9860/P04/031/000			
Date	6/92	Drawn	LAVF	Job No. 91278
Checked	DR	Approved		Scale 1:200
Scott Wilson Kirkpatrick & Partners PricewaterhouseCoopers (Asia) Ltd Charles Marshall & Partners Brian Cassell and Partners Ling Po-kei Thorp				
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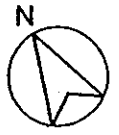
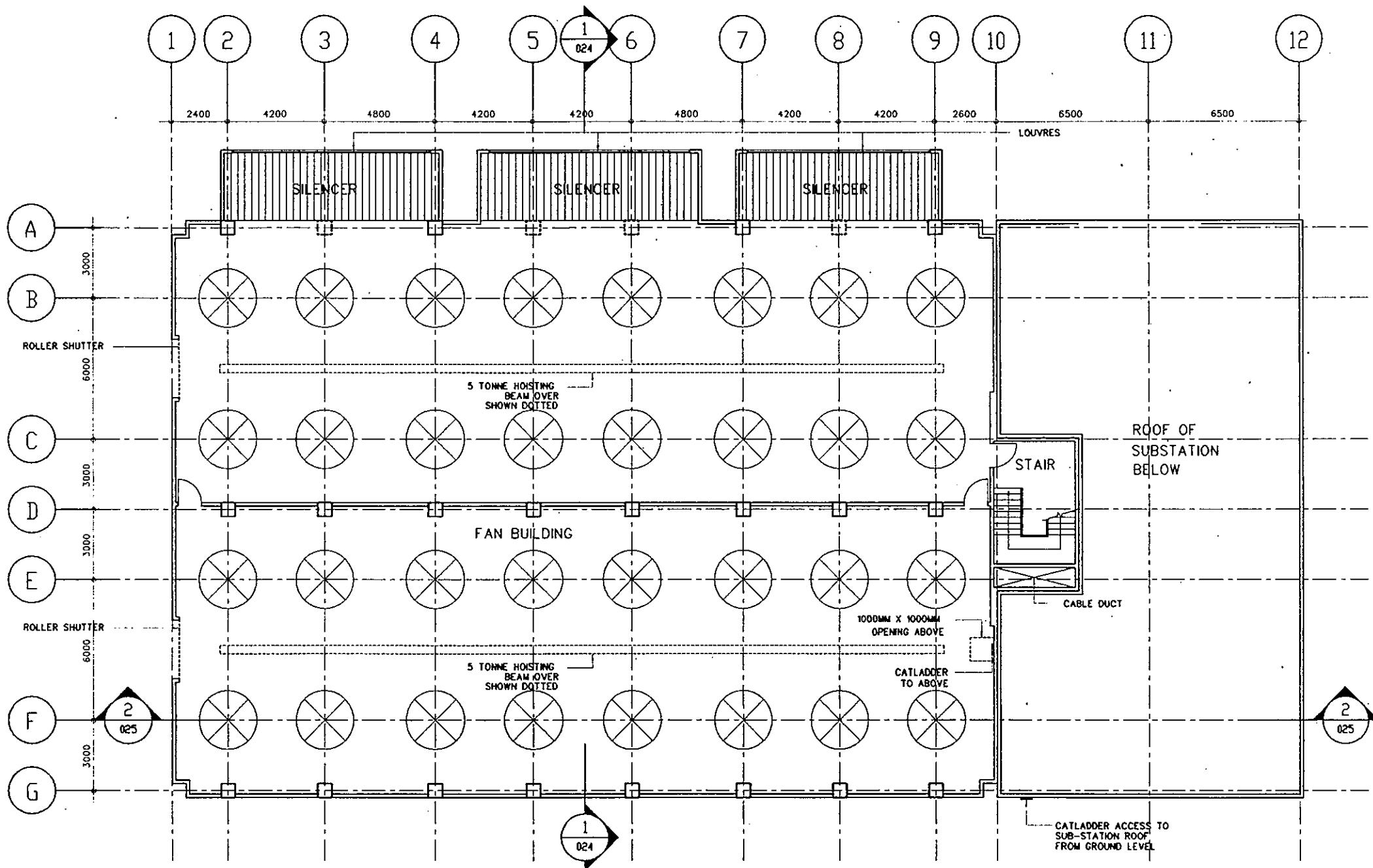
SECOND FLOOR PLAN

SCALE 1:200

Suffix	Date	Revision	Drawn	Checked
Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE SOUTHERN VENTILATION BUILDING GROUND FLOOR PLAN 3-2-3 OPTION				
Drawing No.		9800/701/03/030		
Date	8/92	Drawn	LAVF	Job No. 9279
Checked	DR	Approved		Scale 1:200
Scott Wilson Kitchpatrick & Partners Persons: Walter H. Kitchpatrick (Auto) Ltd Charles Wilson & Partners Brian Kitchpatrick and Partners Ling Poole Thorp				

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021

THIRD FLOOR PLAN

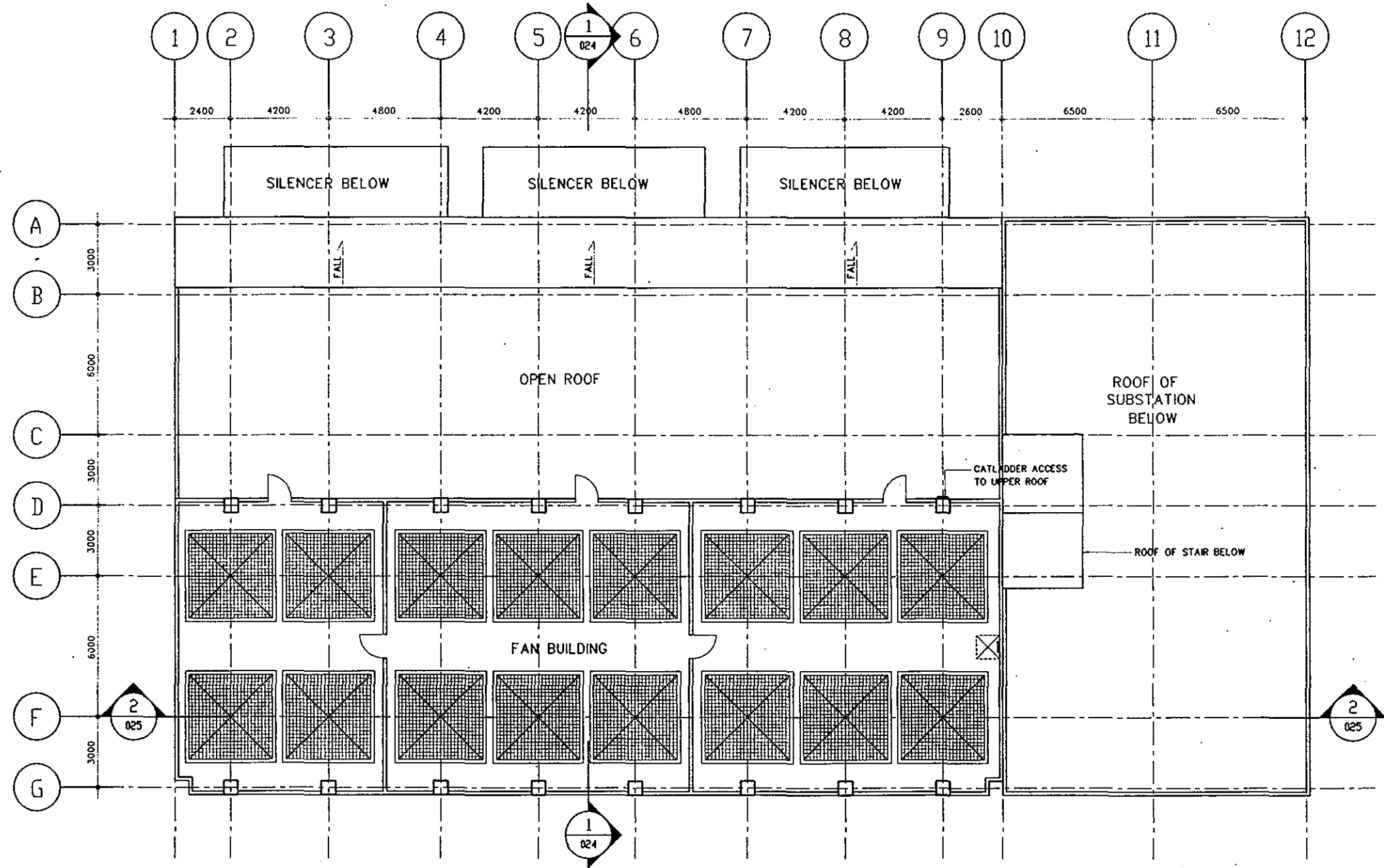
SCALE 1:200

Suffix	Date	Revision	Drawn	Checked
 Government of Hong Kong Highways Department				
Route 3				
COUNTRY PARK SECTOR AND TING KAU BRIDGE				
SOUTHERN VENTILATION BUILDING FIRST FLOOR PLAN 3-2-3 OPTION				
Drawing No.	9886/701/031/021			
Date	6/92	Drawn	LAVF	Job No. 91279
Checked	DR	Approved		Scale 1:200
Soell Wilson Kirpatrick & Partners Partners: Soell Wilson Kirpatrick & Partners Ltd Charles Maxwell & Partners Brian Clouston and Partners Liang Poo-ke Thorp				

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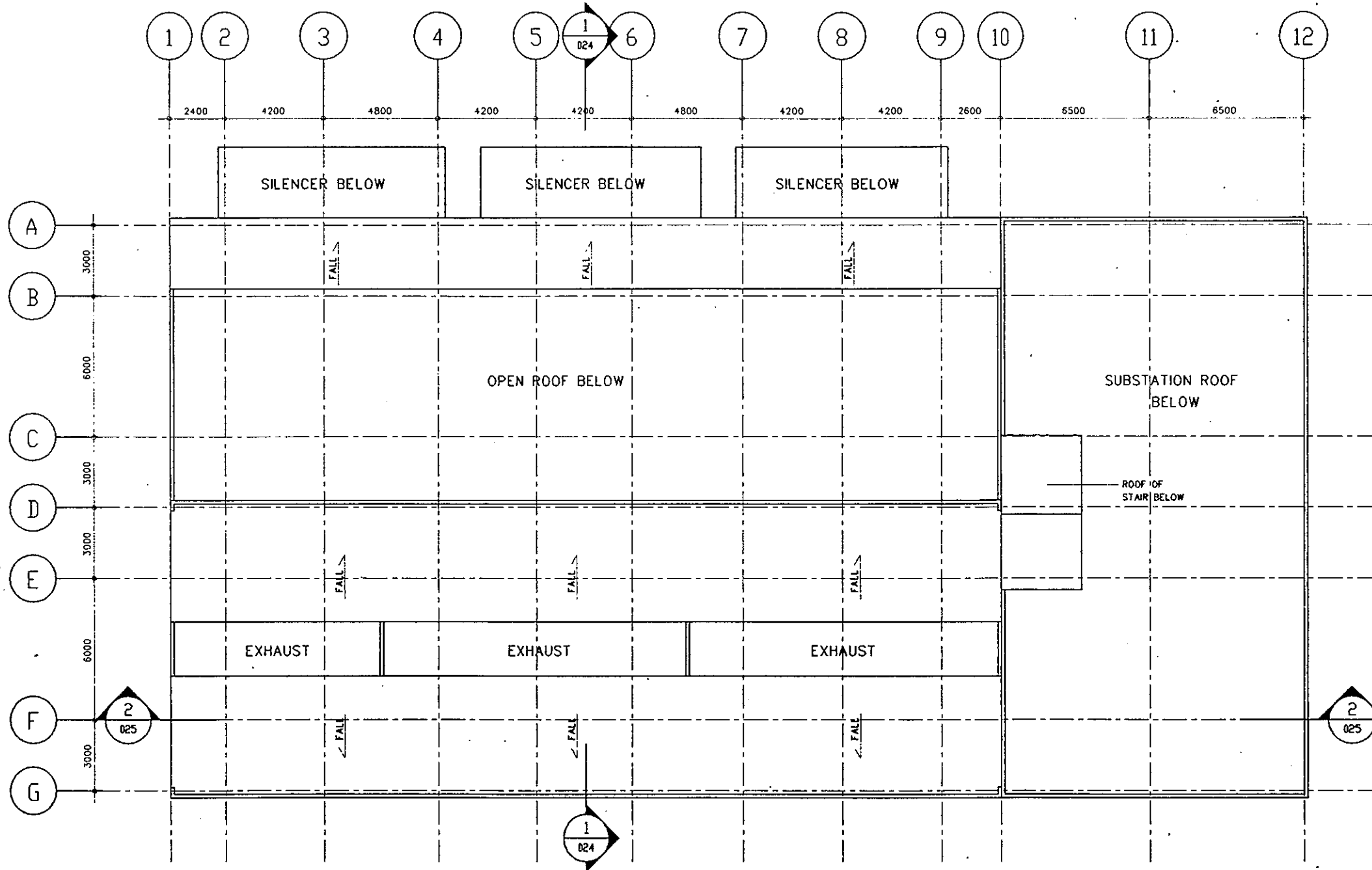


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022

FOURTH FLOOR PLAN

SCALE 1:200

Suffix	Date	Revision	Drawn	Checked
 Government of Hong Kong Highways Department				
Route 3				
COUNTRY PARK SECTOR AND TING KAU BRIDGE				
SOUTHERN VENTILATION BUILDING SECOND FLOOR PLAN 3-2-3 OPTION				
Drawing No.		9880/PD/031/022		
Date	6/92	Drawn	LAVT	Job No. 01279
Checked	DR	Approved		Scale 1:200
Scott Wilson Kitchpatrick & Partners				
 Parsons Brinckerhoff (Asia) Ltd Charles Marshall & Partners John Clouston and Partners Liang Padoa Tsey				
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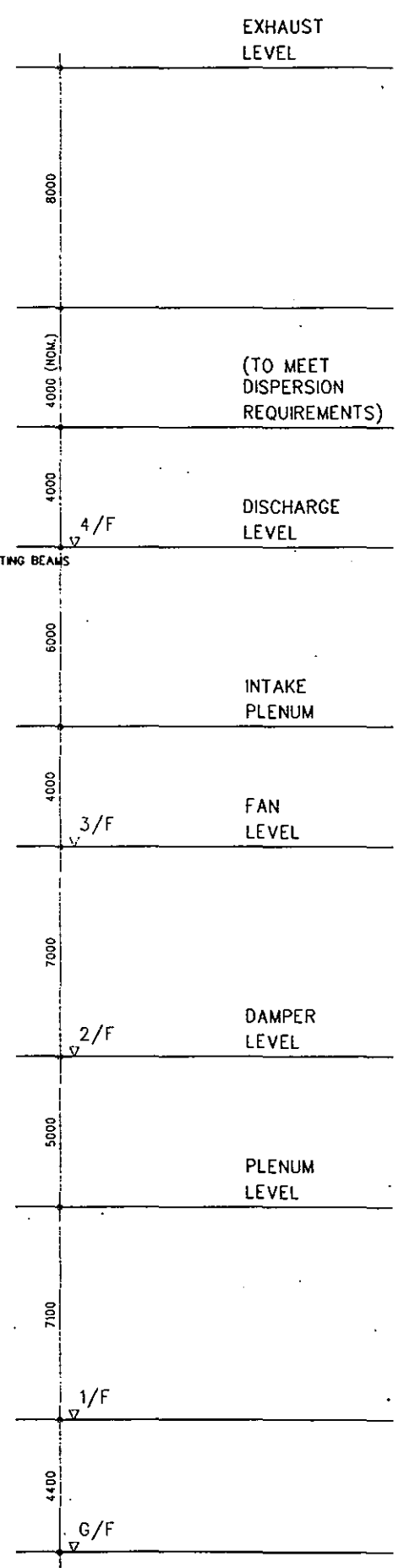
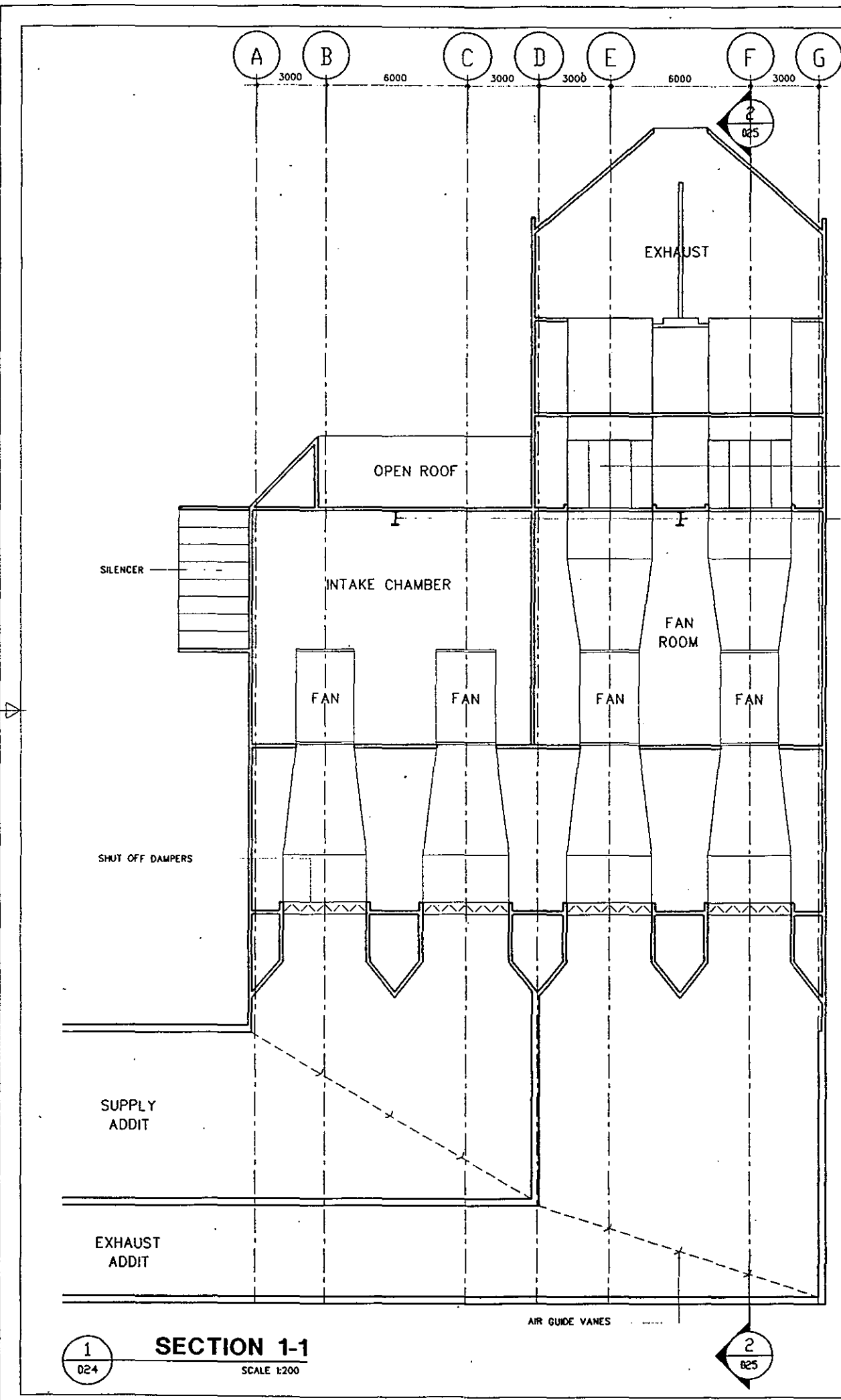


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023

ROOF PLAN
SCALE 1:200

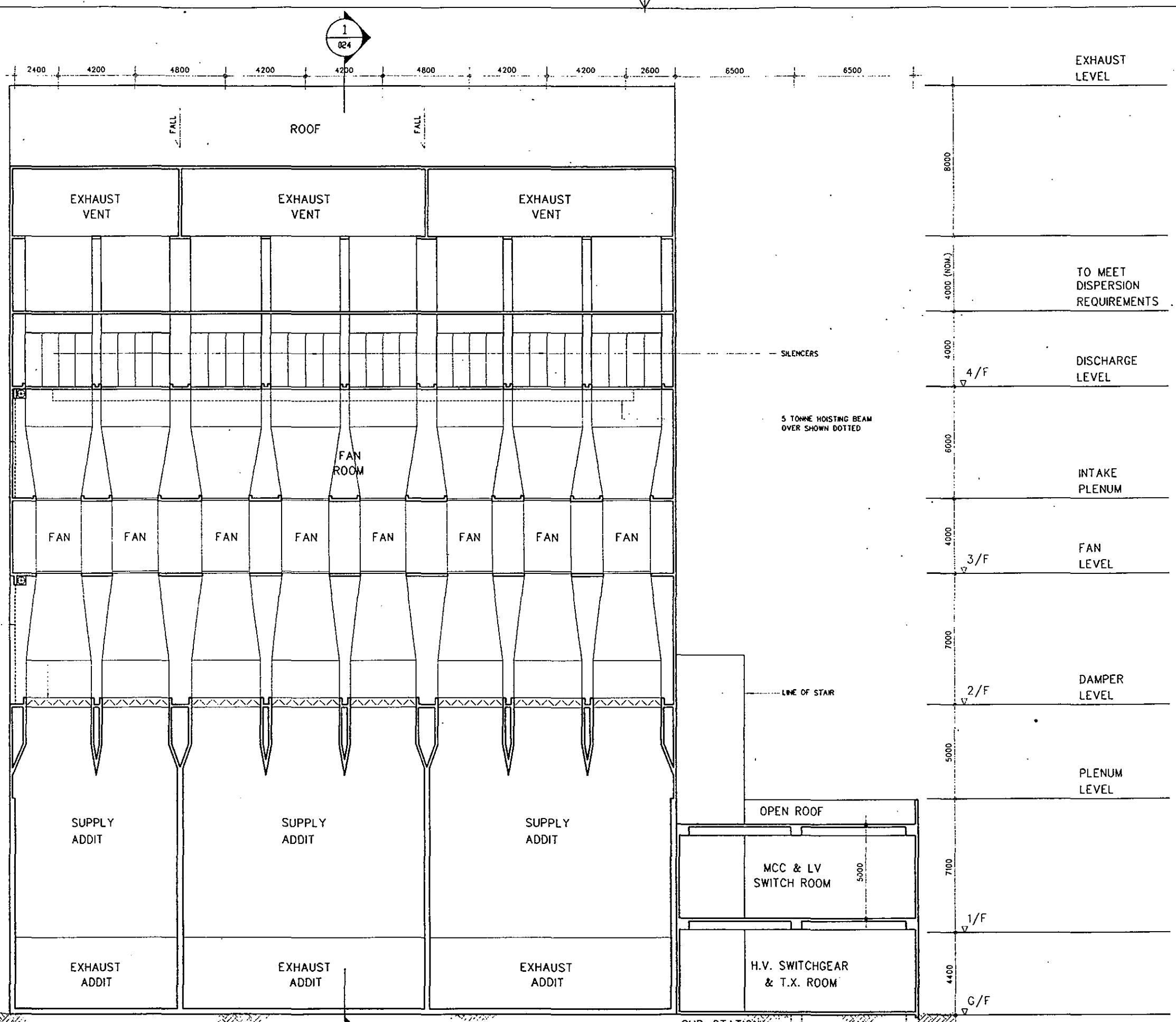
Slits	Date	Revision	Drawn	Checked
Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE SOUTHERN VENTILATION BUILDING ROOF PLAN 3-2-3 OPTION				
Drawing No.	0880/700/031/023			
Date	8/92	Drawn	LAVF	Job No. 90279
Checked	DR	Approved		Scale 1:200
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1 SECTION 1-1
D24 SCALE 1:200

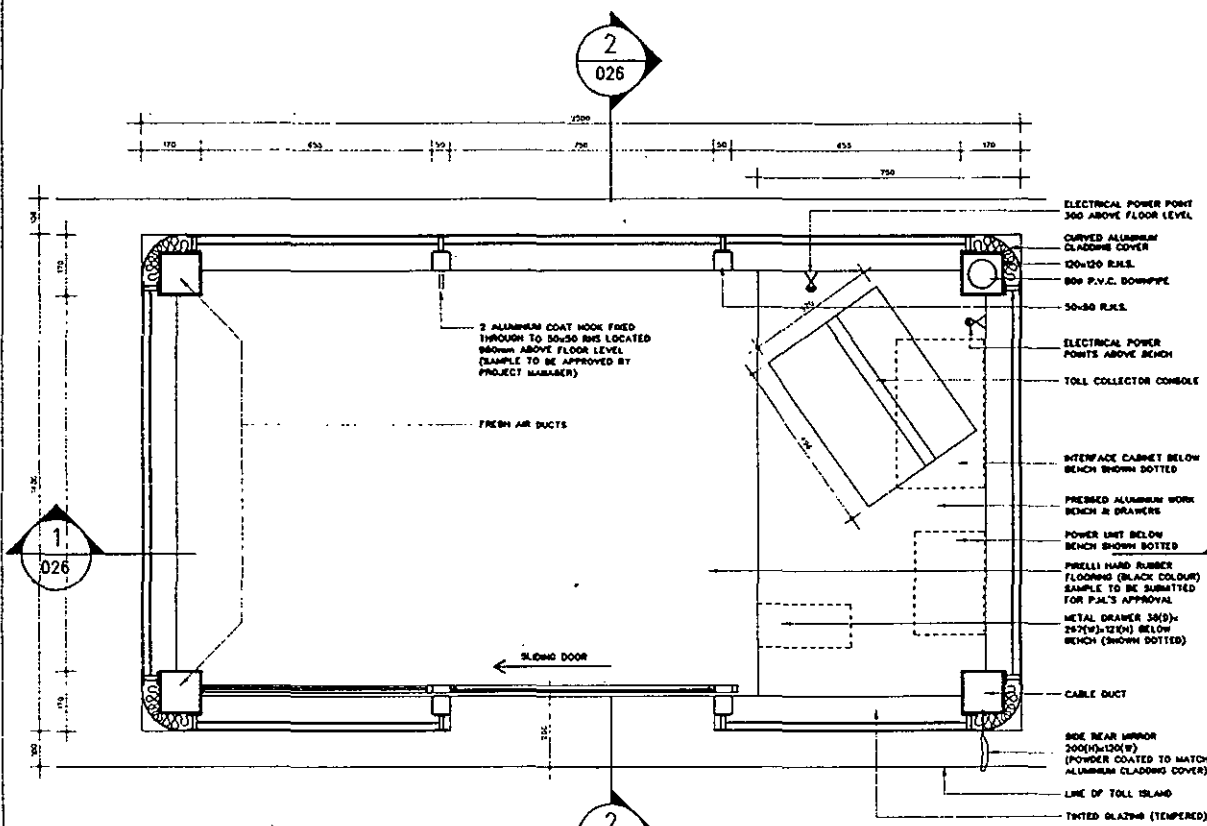
Scale	Date	Revision	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE SOUTHERN VENTILATION BUILDING SECTION 1-1 3-2-3 OPTION				
Drawing No.	9880/PD/031/024			
Date	5/92	Drawn	LAVF	Job No. 91278
Checked	DR	Approved		Scale 1:200
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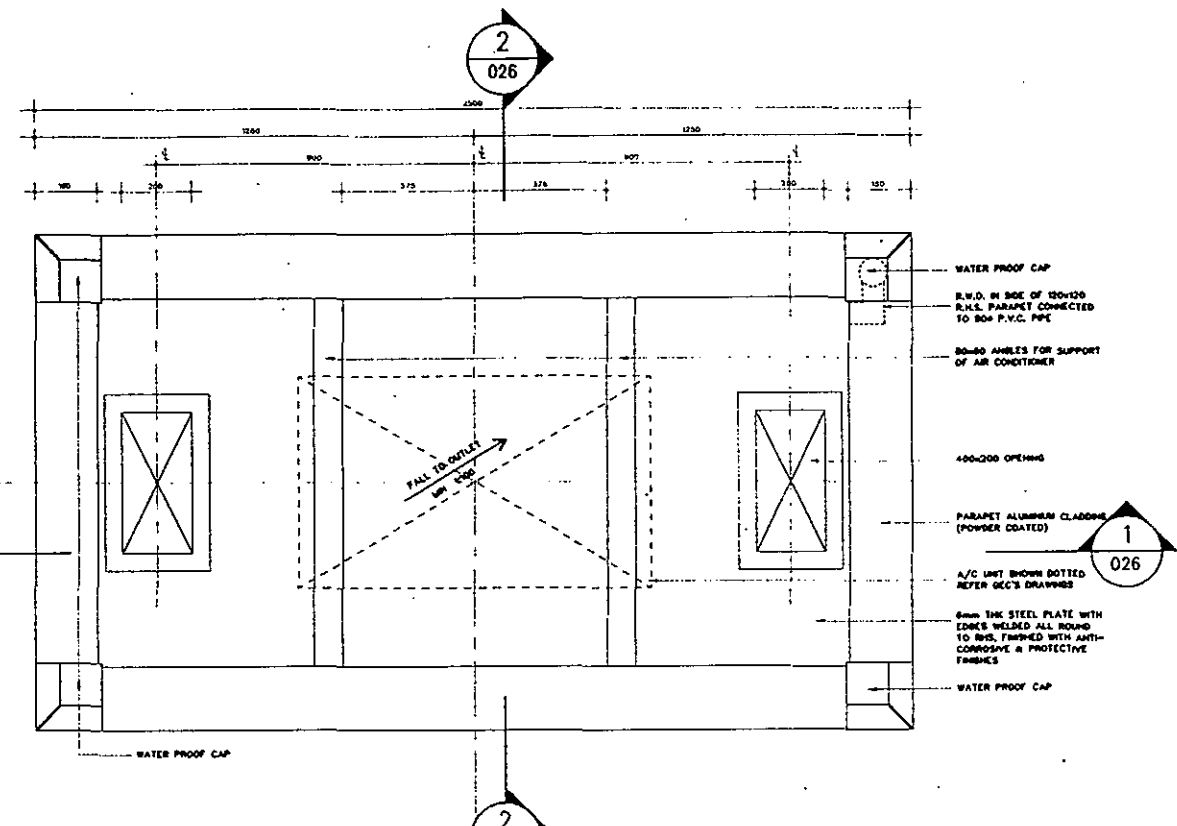
SECTION 2-2
SCALE 1:200

Surf No	Date	Revision	Drawn	Checked
 Government of Hong Kong Highways Department				
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE SOUTHERN VENTILATION BUILDING SECTION 2-2 3-2-3 OPTION				
Drawing No.		9980/P01/031/025		
Date	8/92	Drawn	LAVT	Job No. 9279
Checked	DR	Approved		Scale 1:200
 Scott Wilson Kilpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Mansell & Partners Brian Clewley and Partners Liang Poole Thorp				

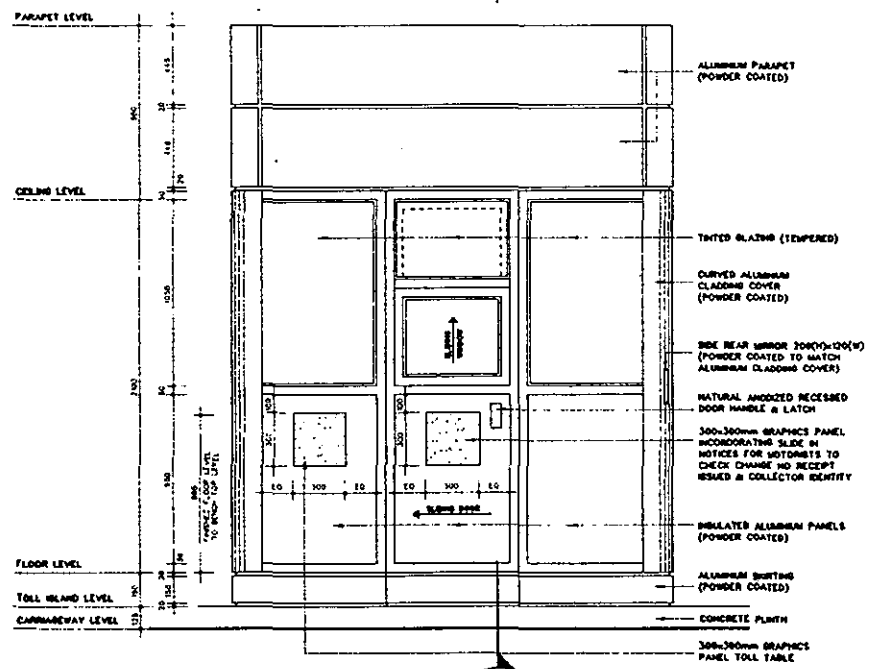
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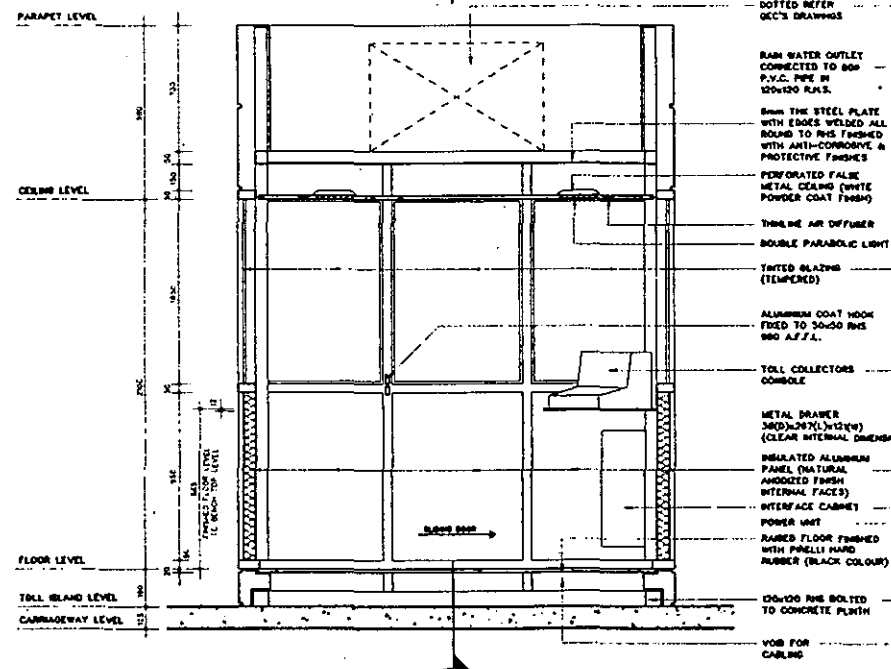
1 PLAN
026 SCALE 1:20



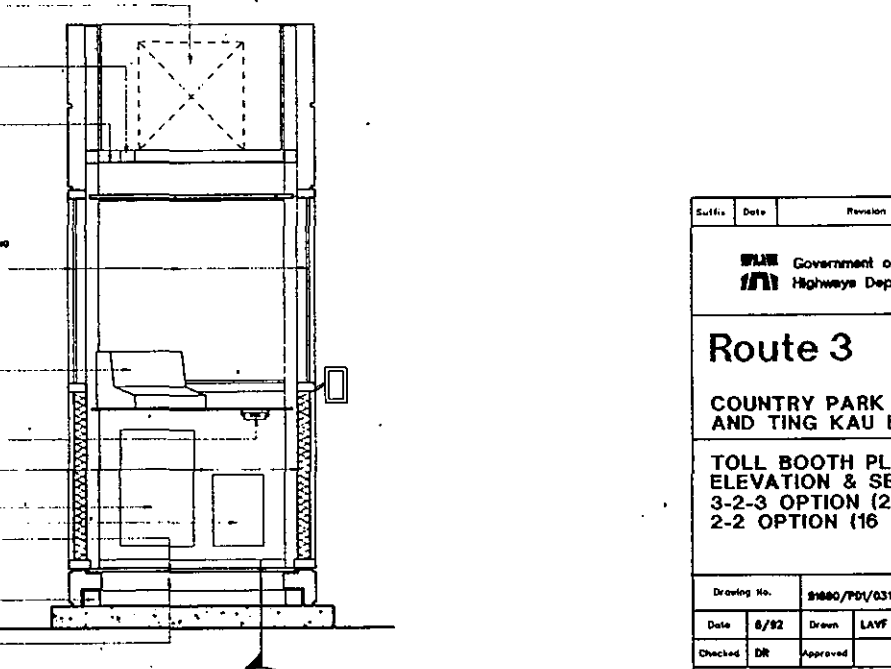
2 ROOF PLAN
026 SCALE 1:20



1 ELEVATION 1
026 SCALE 1:40



2 SECTION 1-1
026 SCALE 1:40



3 SECTION 2-2
026 SCALE 1:40

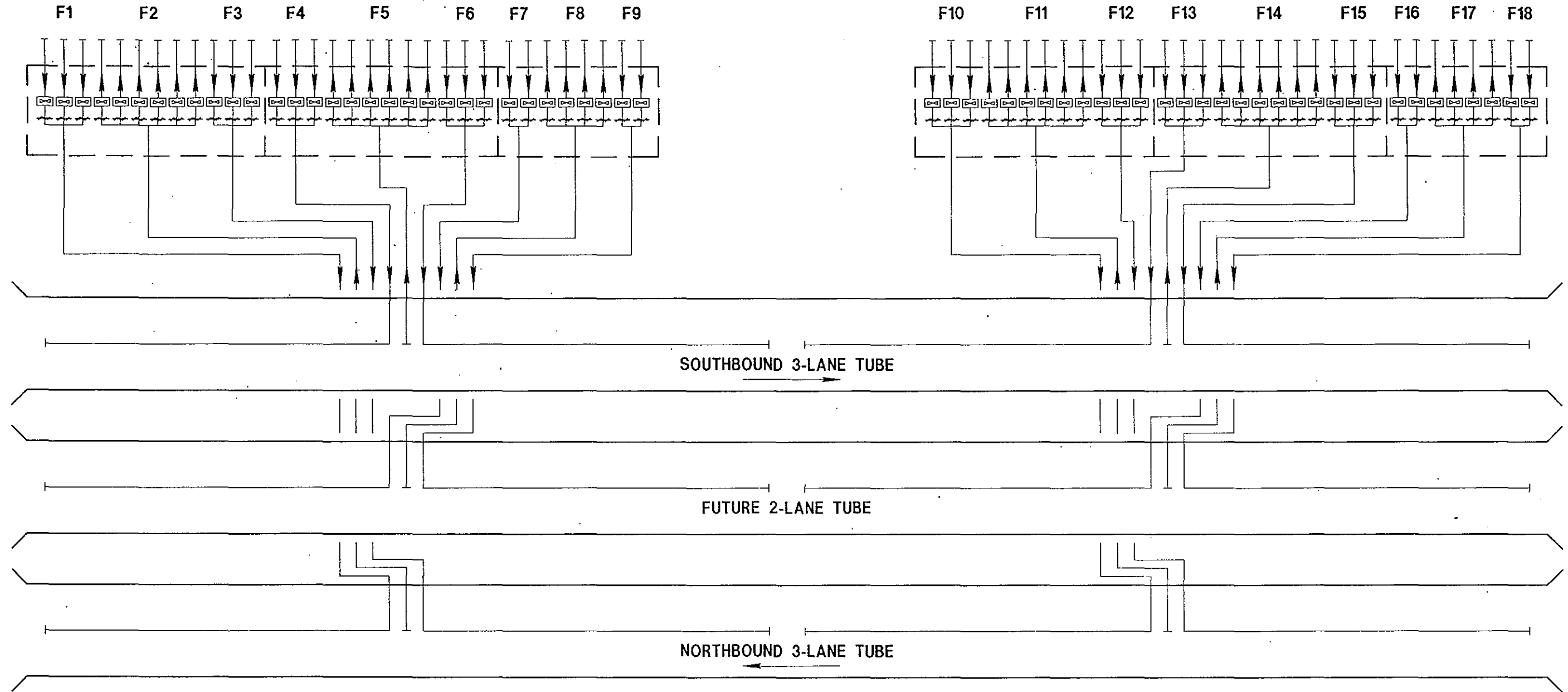
Scale	Date	Revision	Drawn	Checked
<h3>Route 3</h3>				
COUNTRY PARK SECTOR AND TING KAU BRIDGE				
TOLL BOOTH PLAN AND ELEVATION & SECTIONS 3-2-3 OPTION (24 NOS.) 2-2 OPTION (16 NOS.)				
Drawing No.	S1880/P01/03/026			
Date	8/92	Drawn	LAVF	Job No. 91279
Checked	DR	Approved		Scale 1:30/1:40
Soell Wilson Kirkpatrick & Partners Purvesh Behlani/Neil (Auto) Ltd Charles Maxwell & Partners Brian Chouhan and Partners Liang Poole Thorp				

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NORTHERN VENTILATION BUILDING

SOUTHERN VENTILATION BUILDING



NORTHERN VENTILATION BUILDING

FAN GROUP	NO. OF FAN	FLOW RATE (m ³ /s) PER FAN*	SUPPLY (S) / EXHAUST (E)	TUBE TO BE SERVED
F1	3	88	S	NB 3-LANE
F2	6	88	E	NB 3-LANE
F3	3	83	S	NB 3-LANE
F4	3	107	S	SB 3-LANE
F5	6	107	E	SB 3-LANE
F6	3	107	S	SB 3-LANE
F7	2	107	S	2-LANE
F8	4	107	E	2-LANE
F9	2	107	S	2-LANE

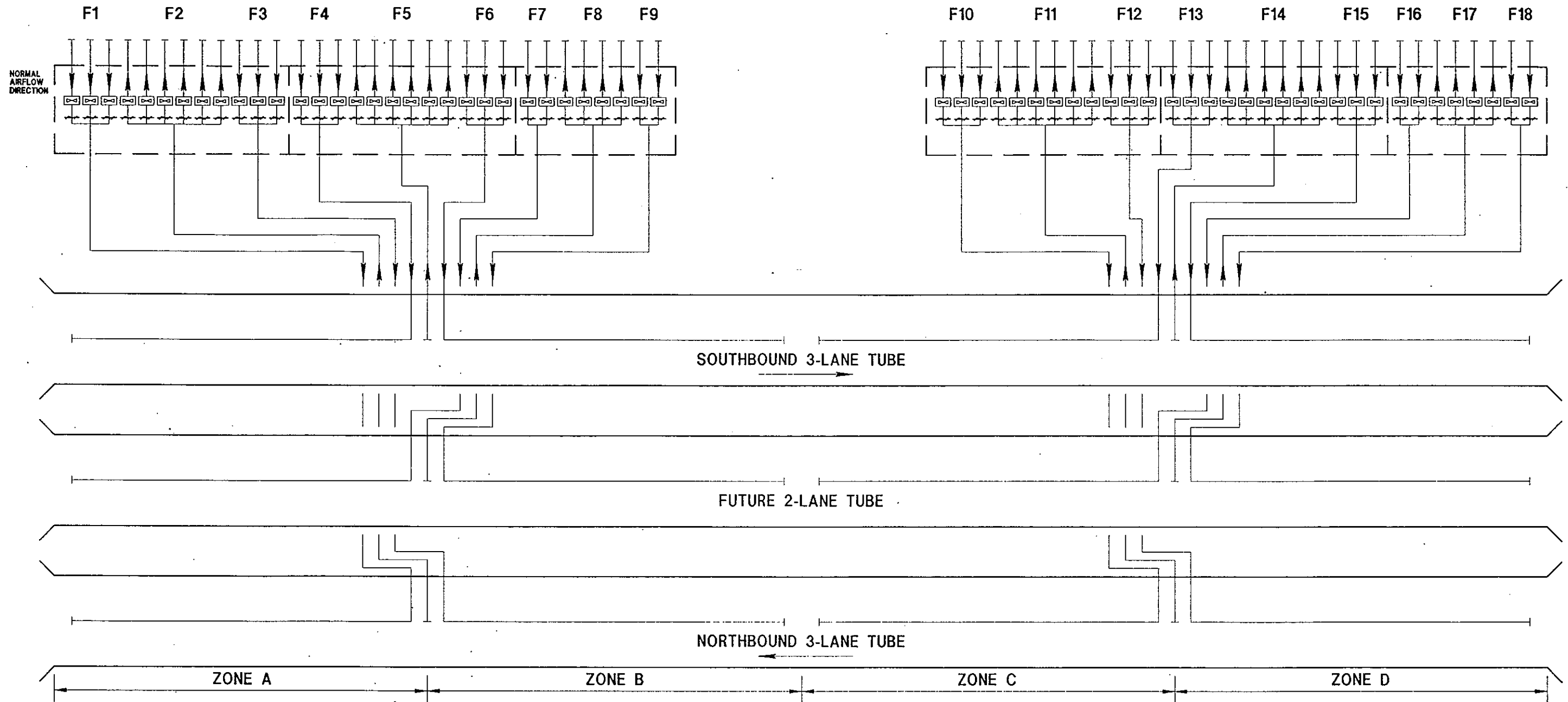
SOUTHERN VENTILATION BUILDING

FAN GROUP	NO. OF FAN	FLOW RATE (m ³ /s) PER FAN	SUPPLY (S) / EXHAUST (E)	TUBE TO BE SERVED
F10	3	88	S	NB 3-LANE
F11	6	88	E	NB 3-LANE
F12	3	88	S	NB 3-LANE
F13	3	107	S	SB 3-LANE
F14	6	107	E	SB 3-LANE
F15	3	107	S	SB 3-LANE
F16	2	107	S	2-LANE
F17	4	107	E	2-LANE
F18	2	107	S	2-LANE

Staff	Date	Revision	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE				
TUNNEL VENTILATION SCHEMATIC DIAGRAM FOR 3-2-3 LANE OPTION				
Drawing No.	91880/PD1/331/001			
Date	Drawn	Scale		
Checked	Approved			
Scott Wilson Kirkpatrick & Partners Parsons Brinckerhoff (Asia) Ltd Charles Haswell & Partners Leonhardt André und Partner Brian Clouston and Partners Liang Peddle Thorp				

NORTHERN VENTILATION BUILDING

SOUTHERN VENTILATION BUILDING



EMERGENCY OPERATION MODE FOR NORTHBOUND TUBE

FAN GROUP	FIRE ZONE	UNI-DIRECTIONAL TRAFFIC				BI-DIRECTIONAL TRAFFIC			
		A	B	C	D	A	B	C	D
F1		X	E	E	E	E	X	X	X
F2		S	E	E	E	X	X	X	X
F3		S	X	E	E	X	E	X	X
F10		S	S	X	E	X	X	E	X
F11		S	S	S	E	X	X	X	X
F12		S	S	S	X	X	X	X	E

EMERGENCY OPERATION MODE FOR SOUTHBOUND TUBE

FAN GROUP	FIRE ZONE	UNI-DIRECTIONAL TRAFFIC				BI-DIRECTIONAL TRAFFIC			
		A	B	C	D	A	B	C	D
F4		X	S	S	S	E	X	X	X
F5		E	S	S	S	X	X	X	X
F6		E	X	S	S	X	E	X	X
F13		E	E	X	S	X	X	E	X
F14		E	E	E	S	X	X	X	X
F15		E	E	E	X	X	X	X	E

EMERGENCY OPERATION MODE FOR 2-LANE TUBE

FAN GROUP	FIRE ZONE	UNI-DIRECTIONAL TRAFFIC NORTHBOUND				UNI-DIRECTIONAL TRAFFIC SOUTHBOUND				BI-DIRECTIONAL TRAFFIC			
		A	B	C	D	A	B	C	D	A	B	C	D
F7		X	E	E	E	X	S	S	S	E	X	X	X
F8		S	E	E	E	E	S	S	S	X	X	X	X
F9		S	X	E	E	E	X	S	S	X	E	X	X
F16		S	S	X	E	E	E	X	S	X	X	E	X
F17		S	S	S	E	E	E	E	S	X	X	X	X
F18		S	S	S	X	E	E	E	X	X	X	X	E

Prefix	Date	Revision	Drawn	Checked
Route 3 COUNTRY PARK SECTOR AND TING KAU BRIDGE				
TUNNEL VENTILATION EMERGENCY MODE TABLE FOR 3-2-3 LANE OPTION				
Drawing No.		91880/PD1/331/002		
Date	Drawn	Scale		
Checked	Approved			
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