

AS

DO NOT SCALE DRAWING. CHECK ALL DIMENSIONS ON SITE.
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The plan view shows the proposed tunnel alignment (solid line) passing through Deep Bay. Key features include the Southern Navigation Channel (tentative only) to the north, the Northern Navigation Channel (tentative only) to the south, and the Boundary of HKSAR. The alignment starts near Dongjiautou (東角頭) and Shekou, crosses the 'GUT & COVER TUNNEL' area, and curves through the Oyster Bed Tenancy area towards Ngau Hom Shek and Sheung Pak Nai. Grid lines for Northings (83000 N to 83900 N) and Eastings (81000 E to 81600 E) are shown. A north arrow is located in the top left corner.

NOTES:
1. ALL LEVELS SHOWN ARE IN MPD, UNLESS OTHERWISE STATED.
2. ALL DIMENSIONS SHOWN ARE IN METRE, UNLESS OTHERWISE STATED.
3. ALL LEVEL SHOWN ARE TENTATIVE ONLY.

The vertical alignment graph plots elevation in meters above sea level (mPD) against chainage from CH. 0+500 to CH. 8+000. The vertical axis ranges from -100 to 100 mPD. Key features include:
- **SEA BED (PROFILE INDICATIVE ONLY):** A dashed line showing the natural seabed profile.
- **TOP OF GRADE / ROCK (PROFILE INDICATIVE ONLY):** A solid line showing the natural ground level.
- **SAND FILL:** A shaded area between the top of grade and the proposed road level from CH. 0+000 to approximately CH. 1+000.
- **Vertical Curve Data:**
 - VIP 0+000.000 Level 5.120
 - VIP 2+076.256 Level -57.168
 - VIP 3+974.943 Level -51.424
 - VIP 7+244.636 Level 38.687
 - VIP 8+000.000 Level 31.606

HORIZONTAL ALIGNMENT	STRAIGHT		Ls= 40.00		R= 1750.000		Ls= 40.00		R= 1750.000		Ls= 40.00		
VERTICAL ALIGNMENT	L = 1992.981 G = -3.000%		VCL= 166.551 K= 60.000		L = 1750.929 G = -0.224%		VCL= 128.966 K= 40.000		L = 3021.710 G = 3.000%		VCL= 367.000 K= 100.000		
PROPOSED ROAD LEVEL	5.120	-24.980	-54.869	-57.354	-59.238	-61.279	-59.488	-39.672	-0.672	29.328	31.162	35.480	
CHAINAGE	0+000.000	1+000.000	1+992.981	2+169.532	3+000.000	3+910.460	4+000.000	4+089.427	5+000.000	6+000.000	7+000.000	7+061.136	7+424.836

Printer by : W.MAK 29/07/2002
Filename : J:\23306\WORKING\Draft_Fin\EI\FIGES-2-4.dgn

Mark	Date	By	Rev.

Designed By: OYK
Drawn By: TSN
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In Charge: SYC
Date: 09/2001

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HIGHWAYS DEPARTMENT
主要工程管理處
Major Works Project Management Office

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Ove Arup & Partners Hong Kong Limited

Supported By:
Environmental Management Ltd.
BMT Asia Pacific Ltd.
Urbis Ltd.

Project Title:
Shenzhen Western Corridor
Investigation & Planning

Drawing Title:
OPTION D - TUNNEL FORM
(DRILL AND BLAST TYPE)
HORIZONTAL AND
VERTICAL ALIGNMENT

Cad Filename: FIGES-2-4.DGN
Cod Date: 09-2001
Scale: HORI: 1:25 000 VERT: 1:5 000
Drawing No.: **FIGURE ES2.4**
Drawing Status: Rev: -