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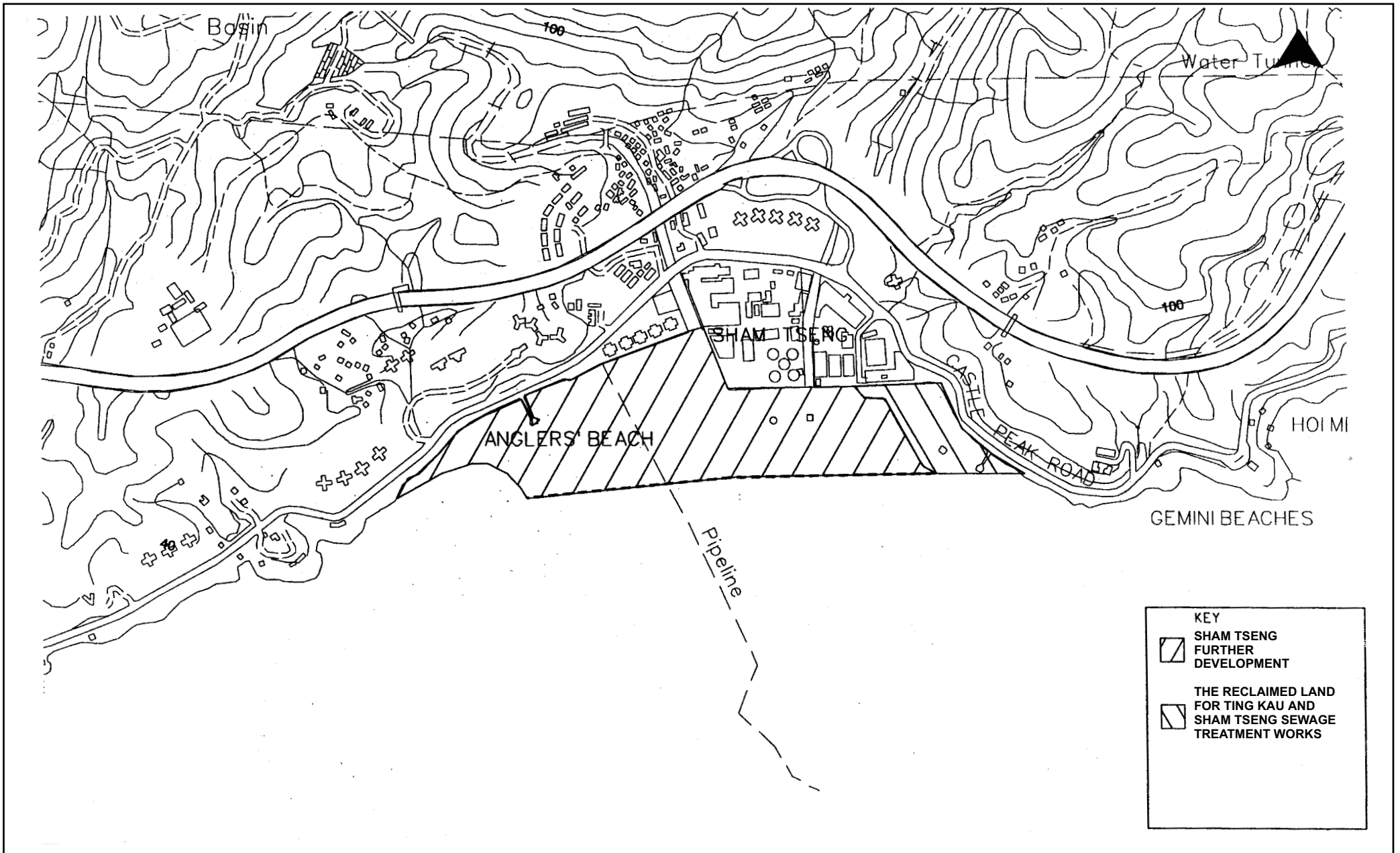
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KEY

-  SHAM TSENG FURTHER DEVELOPMENT
-  THE RECLAIMED LAND FOR TING KAU AND SHAM TSENG SEWAGE TREATMENT WORKS

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

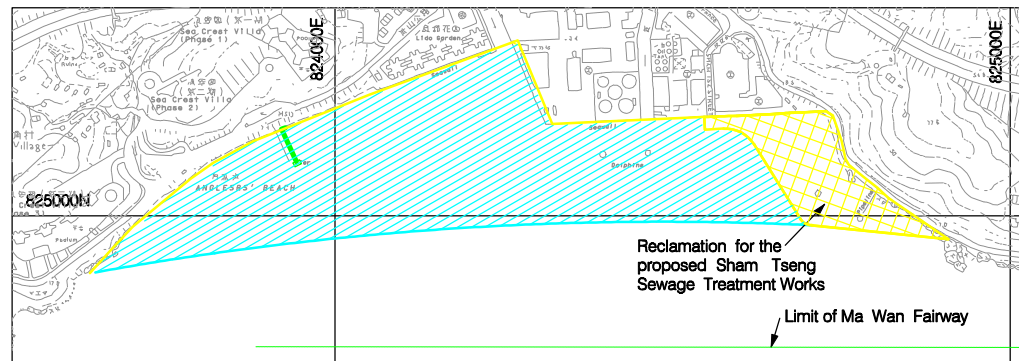
The Proposed 15.2 ha Sham Tseng Development

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Approved 批准		Date 日期 05/00	Status 現況

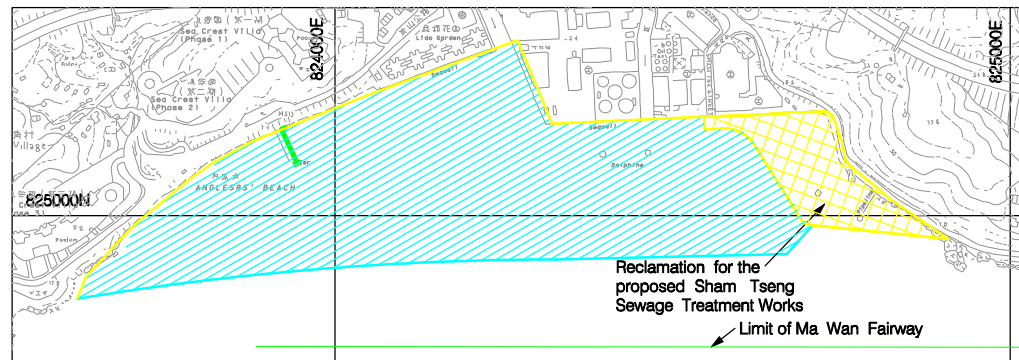
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Civil Engineering
Department**

Note :

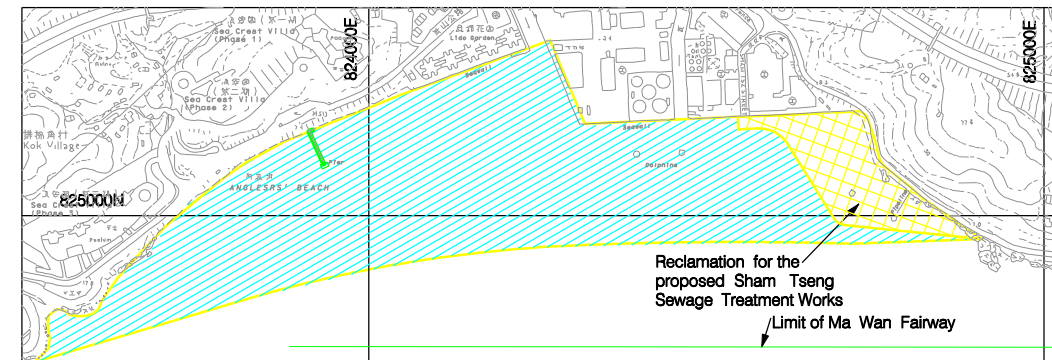
1. Limit of Ma Wan Fairway is in accordance to Admiralty Chart No.3280.



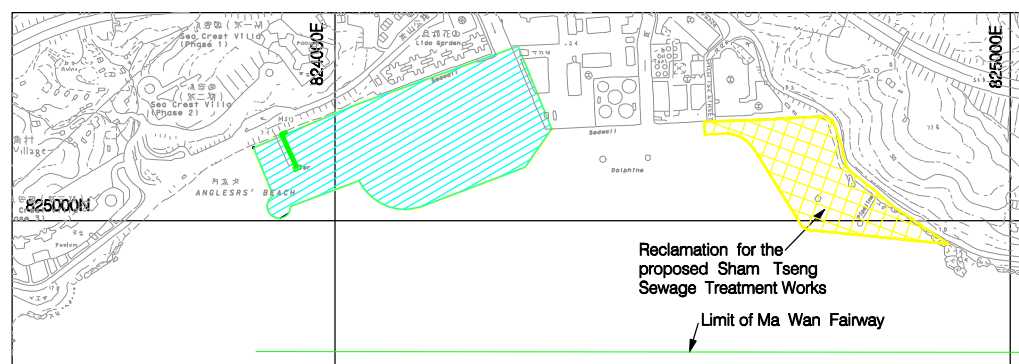
OPTION 1
Area of Reclamation = 16.3 ha (Approx.)



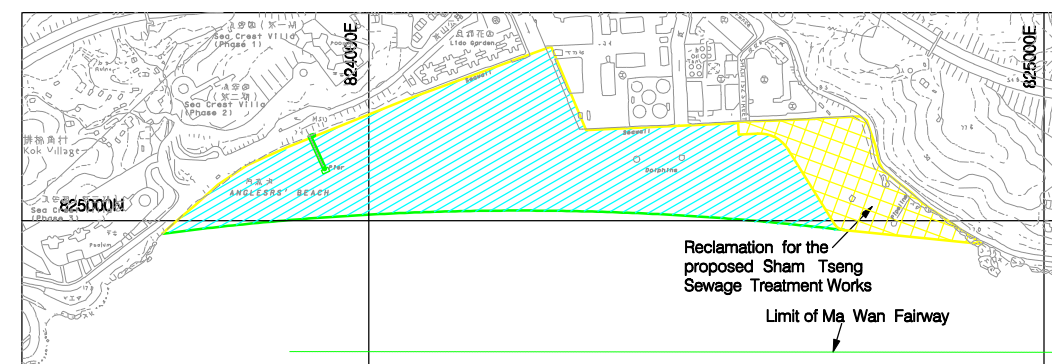
OPTION 2
Area of Reclamation = 21.3 ha (Approx.)



OPTION 4
Area of Reclamation = 25.0 ha (Approx.)



OPTION 3
Area of Reclamation = 6.0 ha (Approx.)



OPTION 5
Area of Reclamation = 11.3 ha (Approx.)

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PLANNING AND ENGINEERING FEASIBILITY STUDY
FOR SHAM TSENG DEVELOPMENT

CONCEPTUAL RECLAMATION
LAYOUT OPTIONS 1 TO 5

DRAWING NO.
圖則編號

FIGURE 2.2a

DESIGNED
設計

DRAWN
繪圖

CHECKED
複核

SCALE
比例

APPROVED
批准

DATE
日期

STATUS
現況

4-2000

PRELIMINARY

1 : 10000



CIVIL ENGINEERING

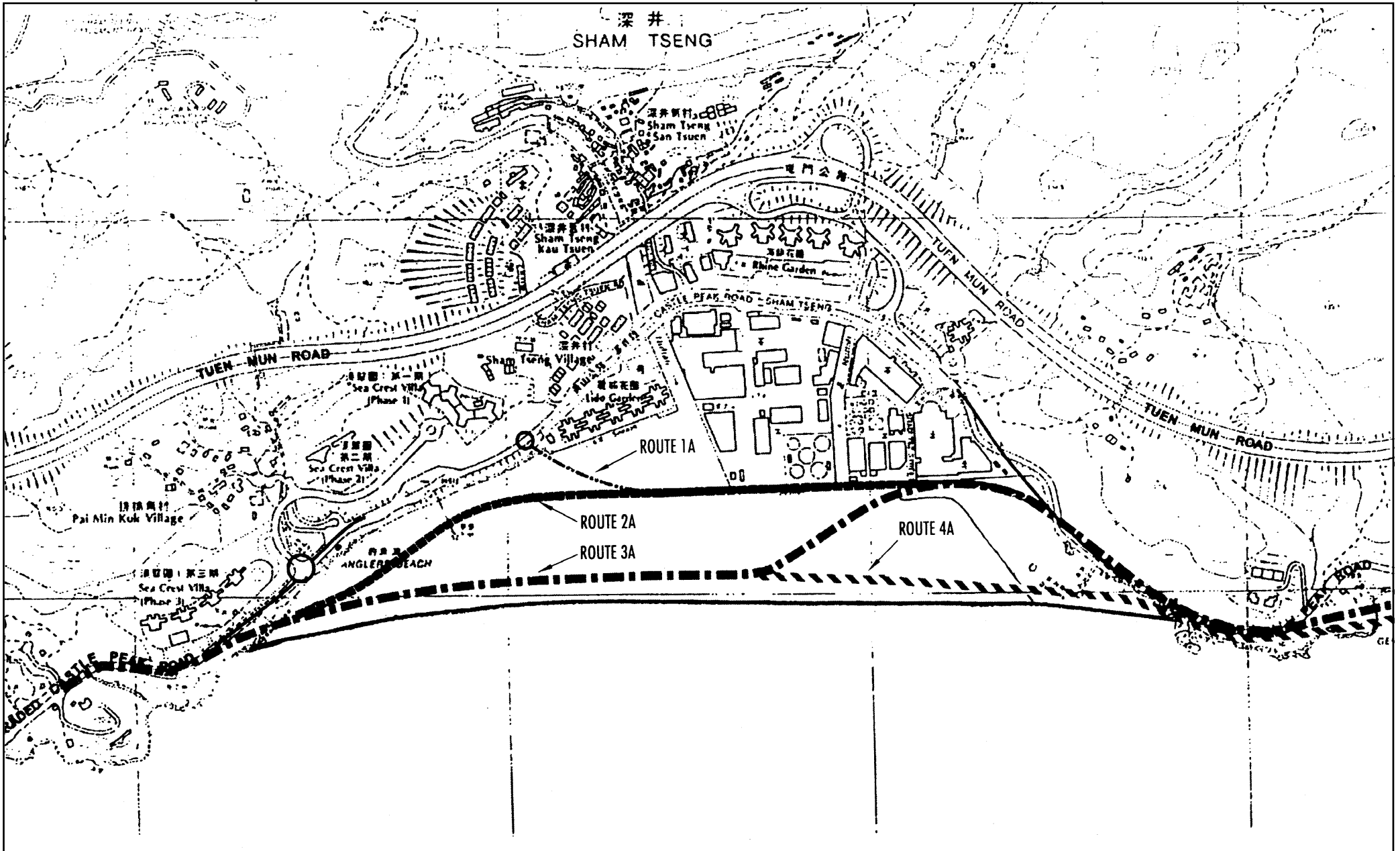
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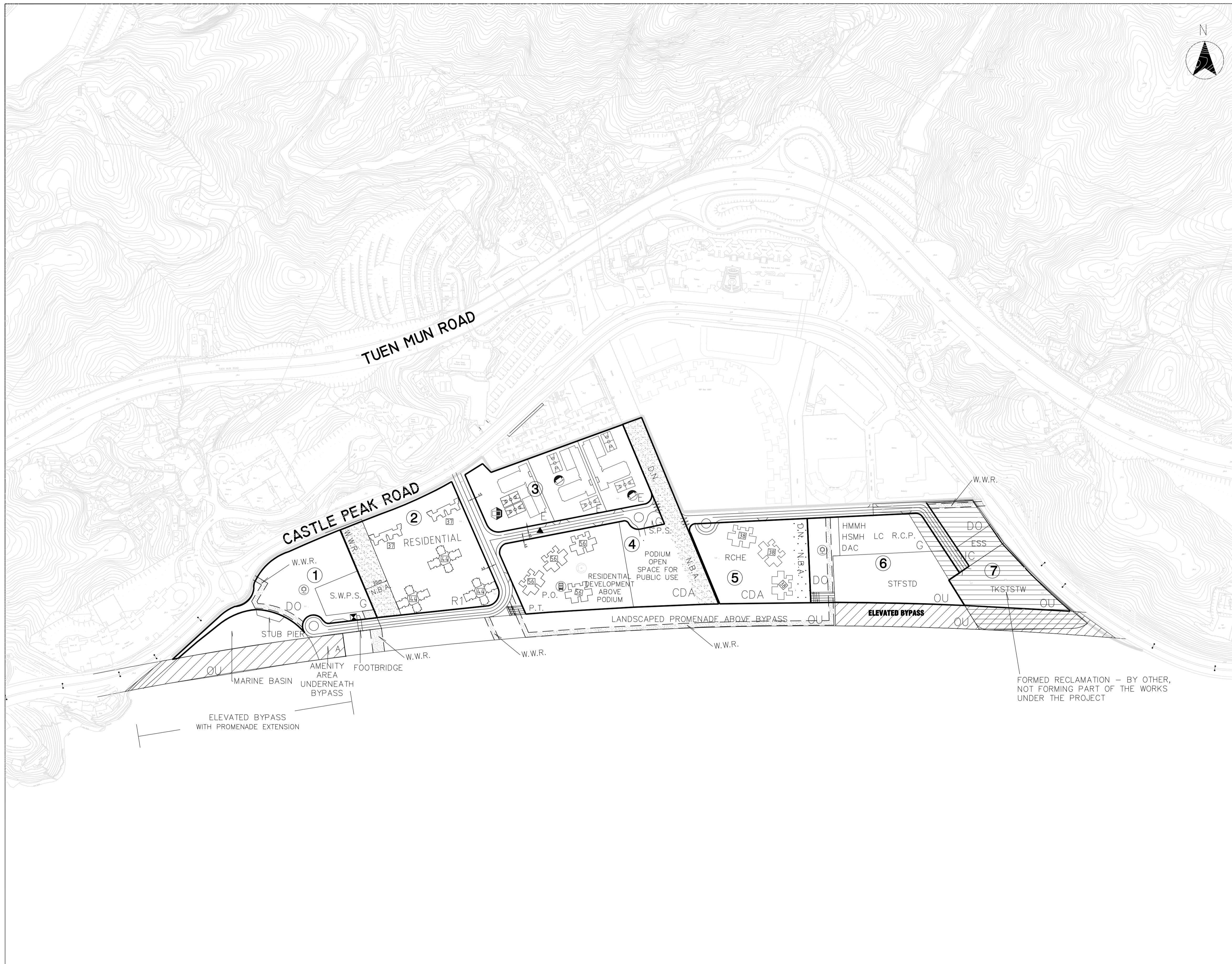
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By-pass Alignments

Drawing No. 圖則編號	2.2b		
Designed 設計	Drawn 繪圖 MY	Checked 校核	Scale 比例 1:100
Approved 批准		Date 日期 05/00	Status 現況





Notation:

	Secondary School
	Primary School
	Commercial Node
	District Park / Neighbourhood Park
	Public Bus Terminus
	Elevated Road
	Proposed Level (in metres above P.D.)
	MDP Boundary
	Planning Area Boundary
	Development Area Boundary
	Planning Area No.
	All footpaths to be 3.5m wide unless otherwise stated
	Utility / Services Installation / Maintenance Reserves
	Emergency Vehicular Access
	Zebra Crossing (indicative)
	Terraced Staircase (indicative)
	Escalator
	No. of Domestic Levels
	Day Activity Centre
	Hostel for Moderately Mentally Handicapped
	Hostel for Severely Mentally Handicapped
	Residential Care Home for the Elderly
	Leisure Centre
	Lift and Staircase (indicative)
	Salt Water Pumping Station
	Electricity Sub-station
	Water Works Reserve
	Saltwater Works Reserve
	Non-Building Area
	Amenity Area underneath Elevated Bypass
	Decked Nullah
	Post Office
	Public Toilet
	Sewage Pumping Station beneath cul-de sac (10x20m)
	Refuse Collection Point
	Formed Reclamation
	Ting Kau & Sham Tseng Sewage Treatment Works
	Sewage Treatment Facilities for Sham Tseng Development

SCHEDULE OF USES AND AREAS

ZONES	NET SITE AREA & %	
	HECTARES	%
R1 Residential - Zone 1	2.28	13.30%
CDA Comprehensive Development Area	4.41	25.73%
E Education	1.97	11.49%
G Government	0.90	5.25%
IC Institution or Community	0.16	0.93%
DO District Open Space	1.76	10.27%
OU Other Specified Uses	4.30	25.09%
Road Reserve and Amenity Areas	1.36	7.93%
TOTAL	17.14	100.00%

Notes:

- The formed reclamation (194 ha) has been included in the MDP in order to rationalise its land use and those of the Sham Tseng Reclamation.
- Three metre wide drainage reserves on both sides of the decked nullahs which have not been shown will be provided.
- Extensions of SWR and WWR which have not been shown will be provided.
- The residential and school block layouts and the ESS boundary are indicative only, the actual block layout will be subject to detailed design.

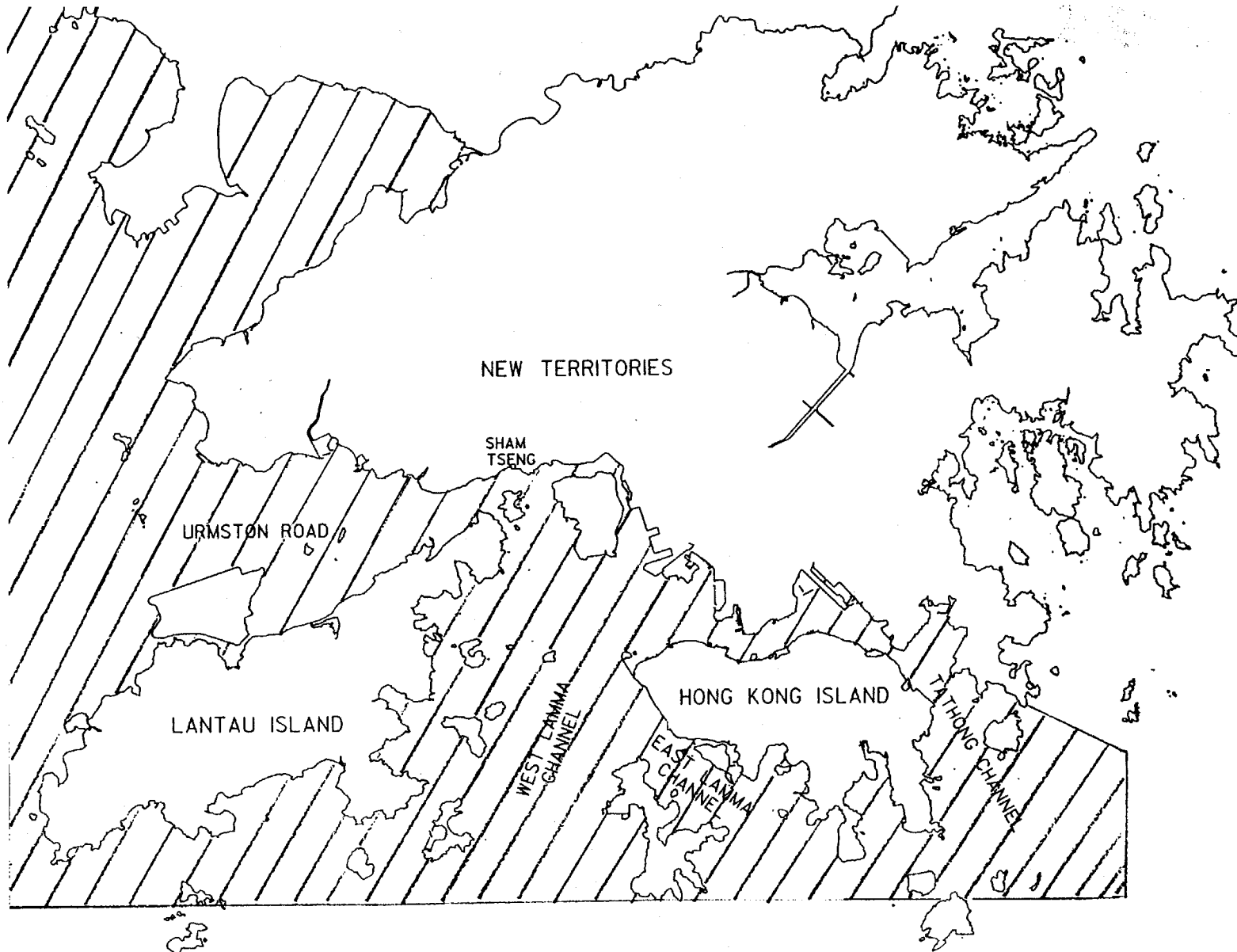
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

MASTER DEVELOPMENT PLAN

Figure No. 圖則編號	2.2c	
Drawn 繪圖 GL	Checked 複核 AW	Approved 批准 MS
Scale 比例 1 : 5000	Date 日期 05/00	Date 日期 05/00
	Status 現況 Preliminary	

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KEY
 WATER QUALITY IMPACT AREA

NOT TO SCALE

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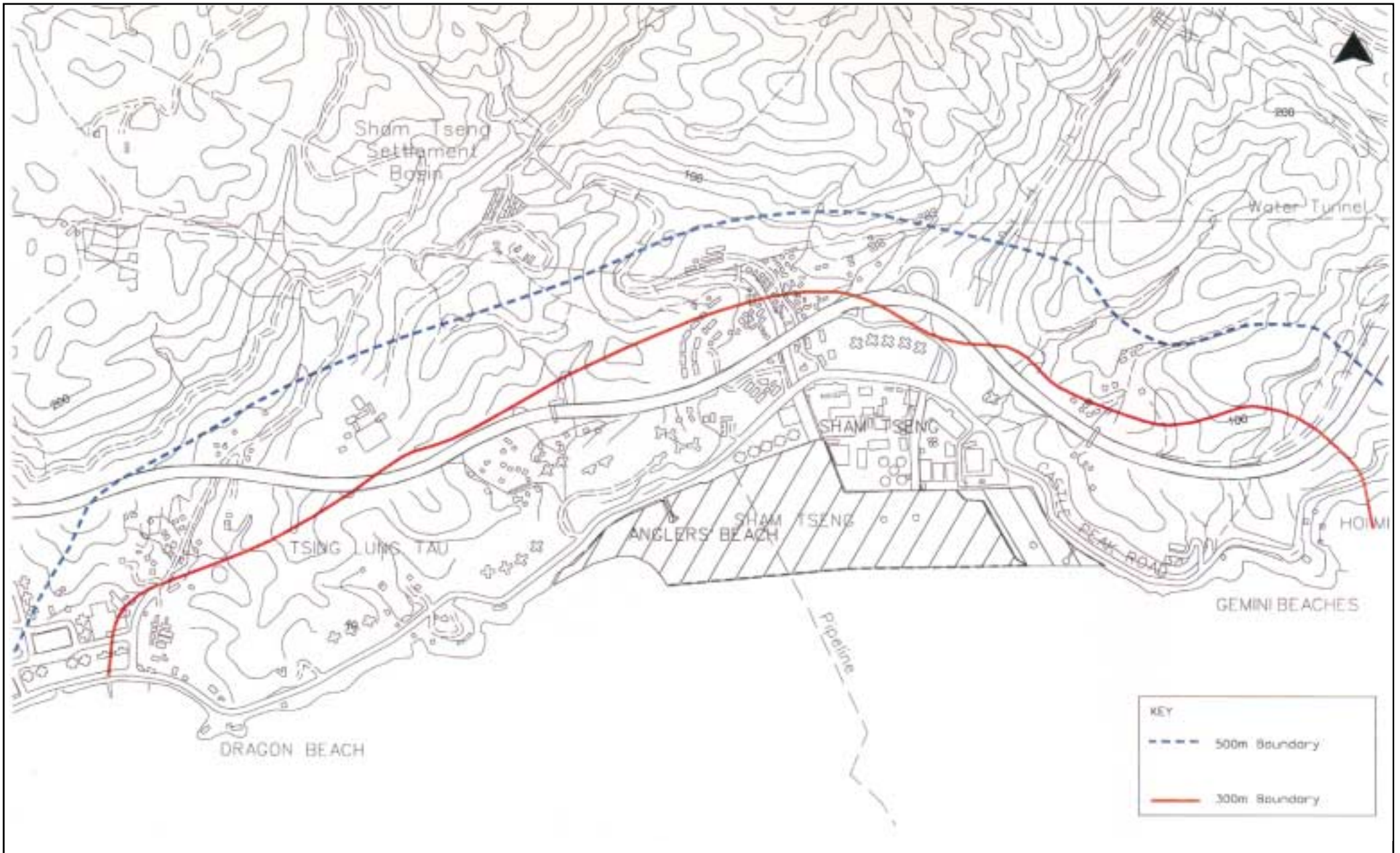


**Study Area of Water Quality
 Impact Assessment**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	2.3a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





KEY	
	500m Boundary
	300m Boundary

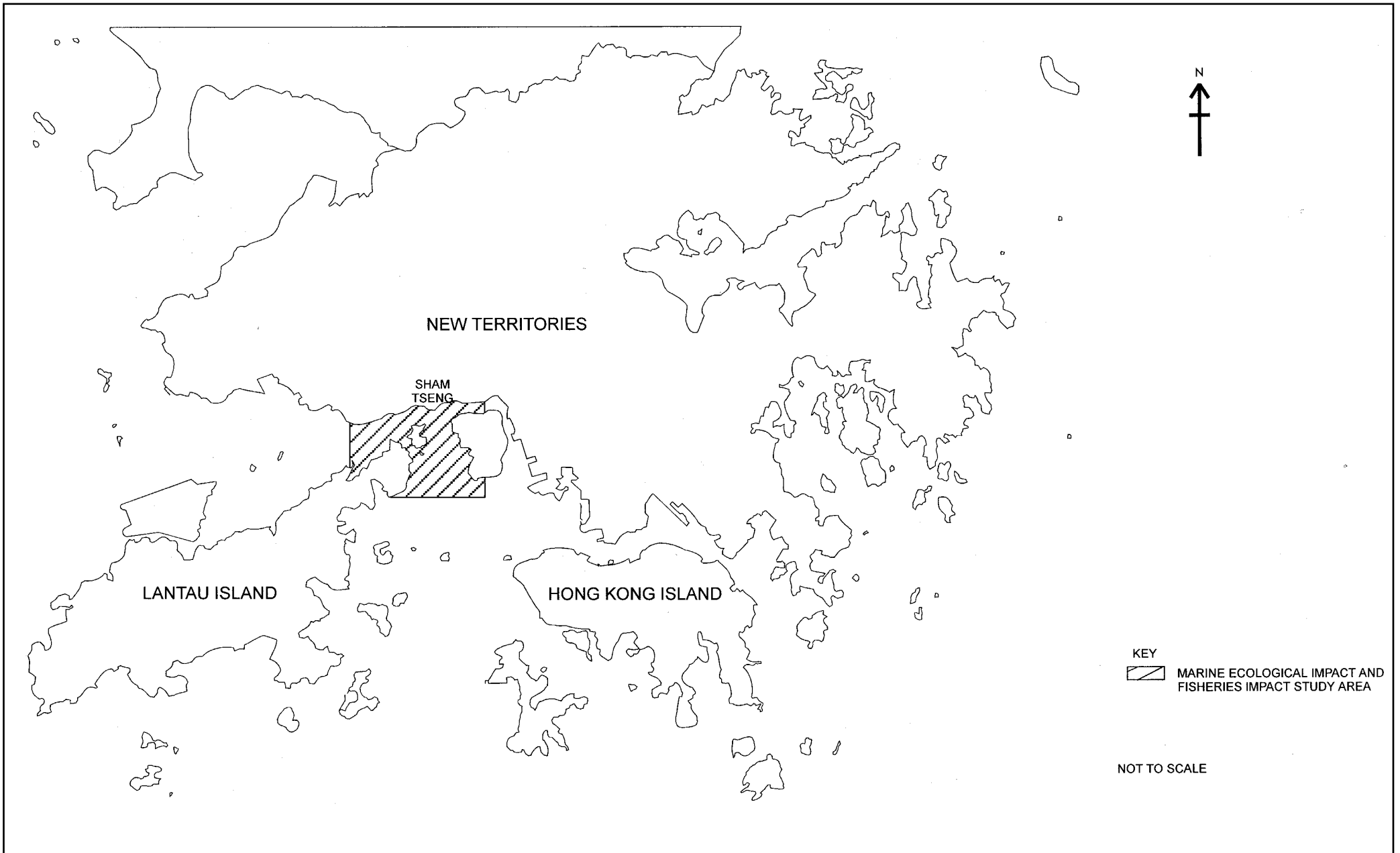
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The 300m and 500m Boundaries of The Study Area

Drawing No. 圖則編號	2.3b		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	MY	Date 日期	Status 現況
		05/00	Not to Scale Preliminary


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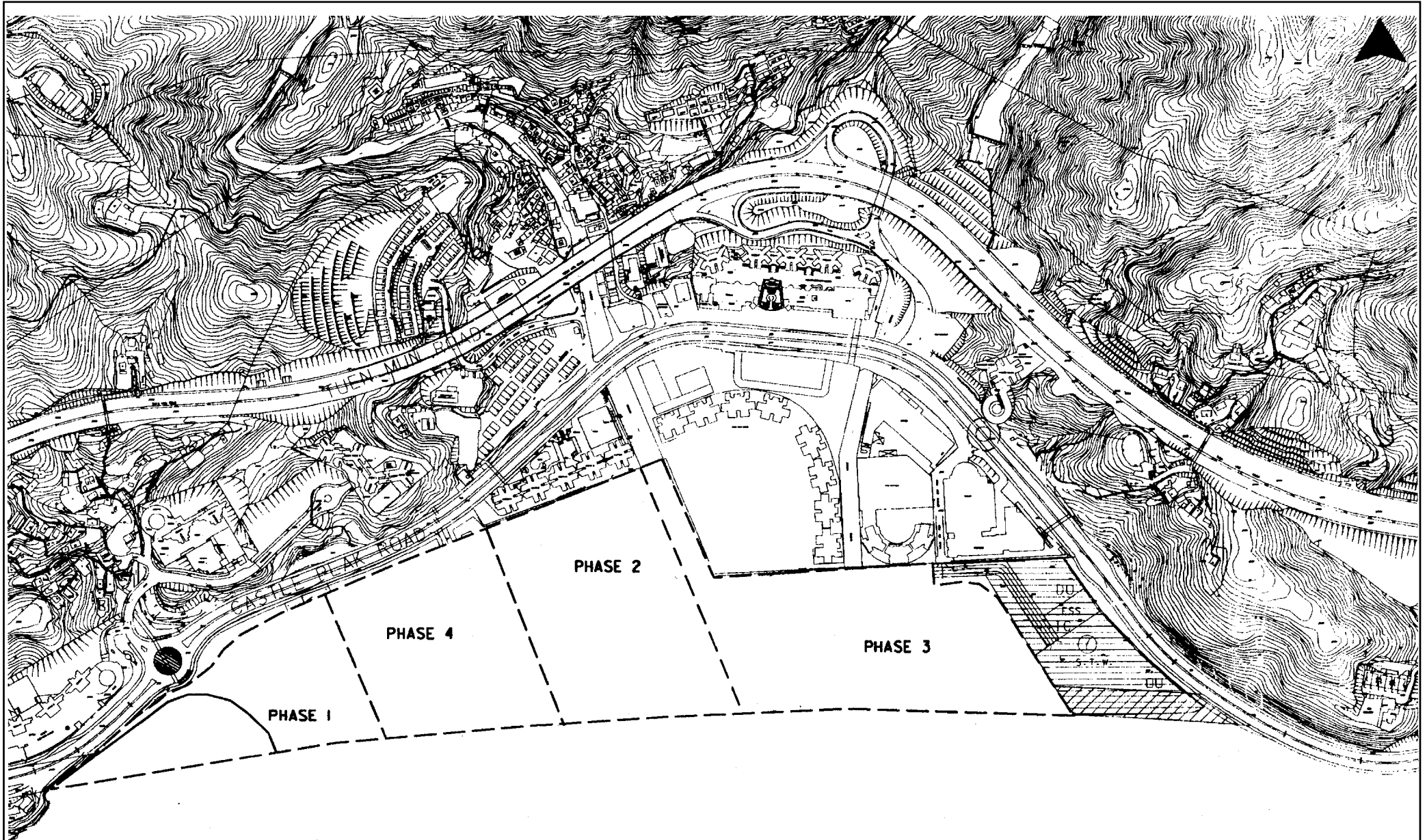
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Study Area of Marine Ecological Impact and Fisheries Impact

Drawing No. 圖則編號	2.3c		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況





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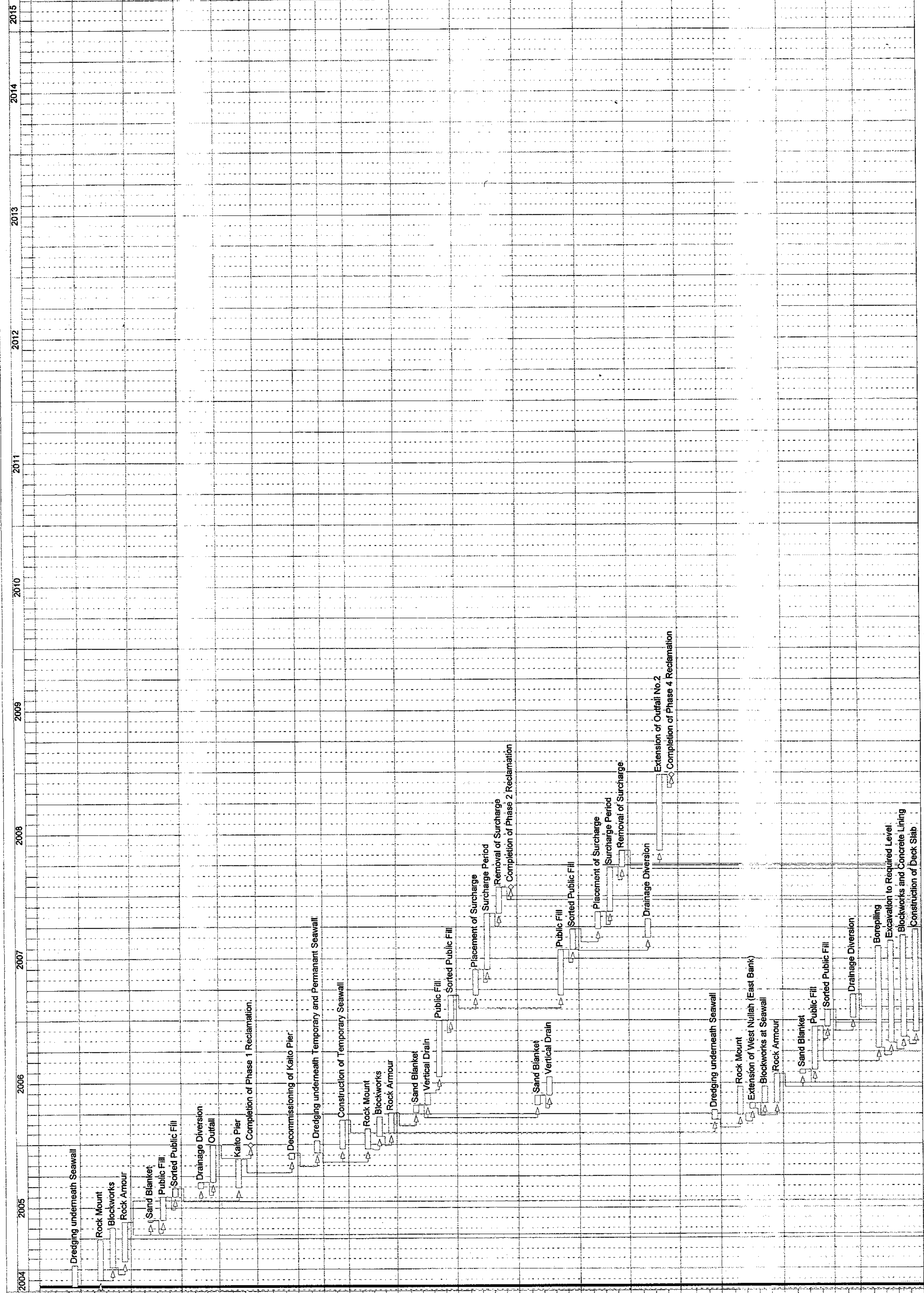
Proposed Reclamation Phasing

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 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	2.7a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況



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Activity ID	Orig Dur	Early Start	Early Finish
Phase 1			
Dredging	61	12NOV04	11JAN05
Construction of Seawall			
1020	120	30NOV04	29MAR05
1030	118	06JAN05	03MAY05
1040	117	24JAN05	20MAY05
Filling Behind Seawall			
1050	5	21MAY05 A	25MAY05
1060	69	28MAY05	02AUG05
1070	24	03AUG05	26AUG05
Extension of Outfall No.3			
1080	18	27AUG05	13SEP05
1100	107	14SEP05	29DEC05
1140	82	29AUG05	18NOV05
1150	0		29DEC05
Phase 2 & 4			
Kaito Pier			
2000	18	19NOV05	06DEC05
Dredging			
2010	36	07DEC05	11JAN06
Temporary Seawall			
2020	85	19DEC05	13MAR06
Permanent Seawall			
2030	59	19DEC05	19FEB06
2040	58	24JAN06	22MAR06
2050	59	04FEB06	03APR06
Filling Behind Phase 2 Seawall			
2060	23	04APR06	26APR06
2070	35	27APR06	31MAY06
2080	165	19JUL06	30DEC06
2090	72	02JAN07	14MAR07
Surcharge Behind Phase 2 Seawall			
2100	75	15MAR07	29MAY07
2110	165	29MAY07	09NOV07
2120	78	10NOV07	26JAN08
2130	0		26JAN08
Filling Behind Phase 4 Seawall			
2140	29	27APR06	25MAY06
2150	54	26MAY06	18JUL06
2160	134	15MAR07	26JUL07
2170	60	27JUL07	24SEP07
Surcharge Behind Phase 4 Seawall			
2190	51	25SEP07	14NOV07
2200	132	15NOV07	25MAR08
2210	49	26MAR08	13MAY08
Extension of Outfall No.2			
2300	55	31AUG07	24OCT07
2310	224	14MAY08	23DEC08
2320	0		23DEC08
Phase 3			
Dredging			
3000	29	14MAR06	11APR06
Construction of Seawall			
3020	84	28MAR06	19JUN06
3030	17	15APR06	01MAY06
3032	49	02MAY06	19JUN06
3035	85	03MAY06	26JUL06
Filling Behind Seawall			
3040	12	27JUL06	07AUG06
3050	127	08AUG06	12DEC06
3060	49	13DEC06	30JAN07
Drainage Diversion			
3070	69	08JAN07	17MAR07
Construction of Western Nuliah			
3080	300	11OCT06	06AUG07
3081	300	27OCT06	22AUG07
3082	299	13NOV06	07SEP07
3083	300	29NOV06	24SEP07

Data date: 15NOV08
 Start date: 15NOV04
 Finish date: 11JAN14
 Project name: RC_PRR0
 Page number: 1A
 Page count: 2A
 Primavera Systems, Inc.

Legend:
 [] Early bar
 [] Critical bar
 [] Critical point
 [] Start milestone point
 [] Finish milestone point



Figure 2.7b: Preliminary Construction Programme

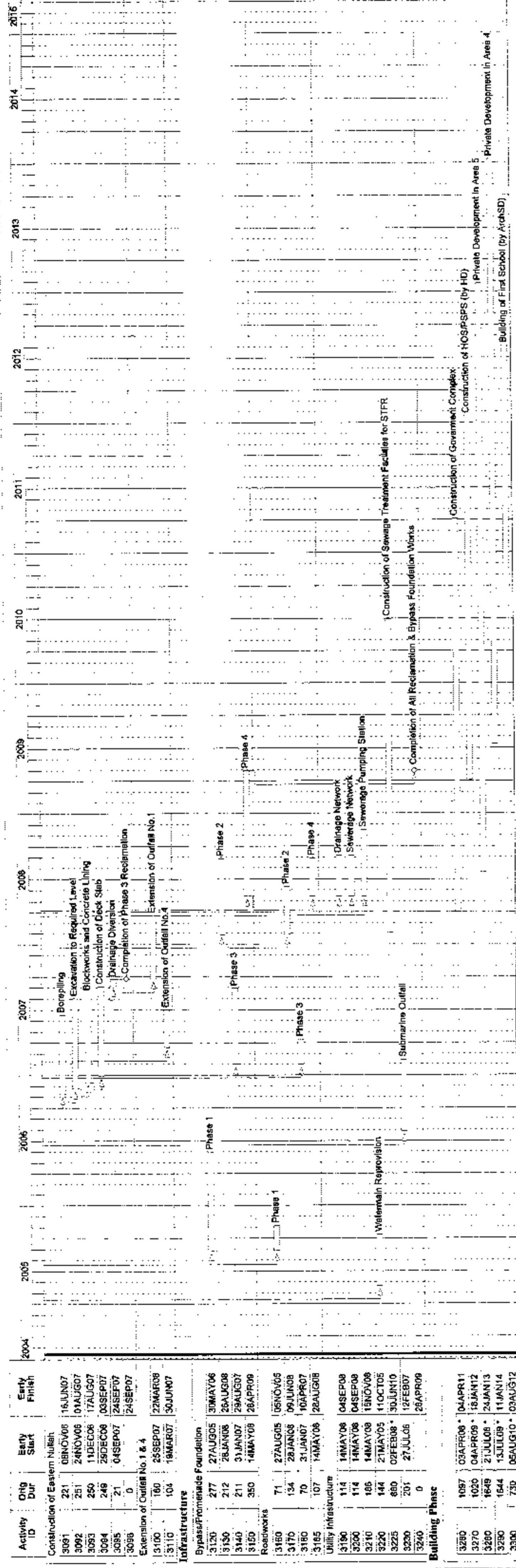


Figure 2.7b: Preliminary Construction Programme

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 Page: 14
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 Date: 18/09/08

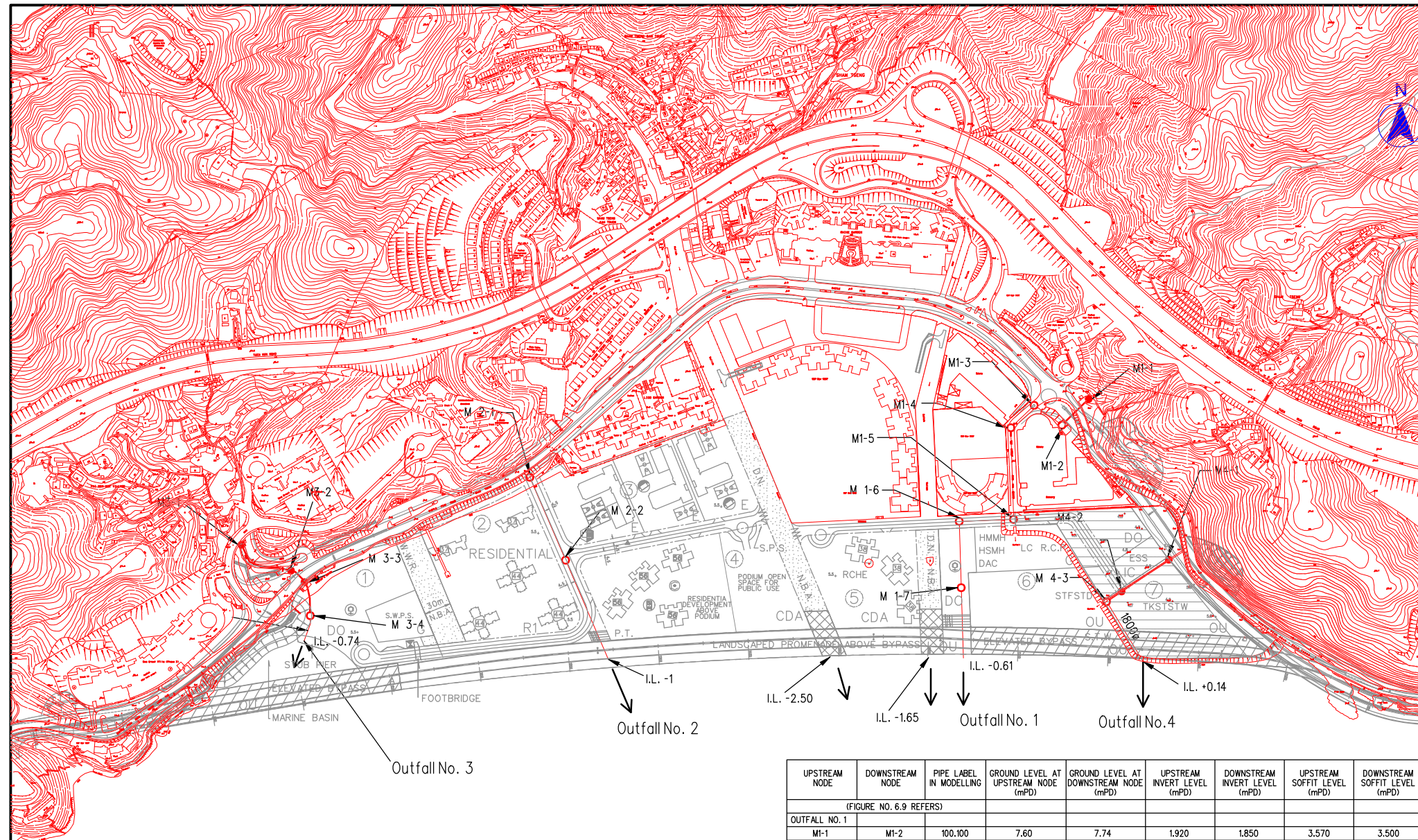


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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

EPD Marine and Fresh Water Monitoring Stations at The Vicinity of STD		Drawing No. 圖則編號 3.3a		
		Designed 設計	Drawn 繪圖	Checked 校核
		Approved 批准	Date 日期	Status 現況


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- NOTE:**
- COORDINATES ARE BASED ON THE HONG KONG METRIC GRID (1980).
 - LEVEL REFER TO PRINCIPAL DATUM (P.D.) UNLESS SHOWN OTHERWISE.
 - LAYOUT OF RECLAMATION AREA FOR INDICATIVE PURPOSE ONLY AND SUBJECT TO BE REVISED.
 - THE SOFFIT LEVEL OF ALL PROPOSED BOX CULVERT SHOULD NOT BE LOWER THAN +2.9mPD.
 - IN ACCORDANCE WITH DSD'S STORMWATER DRAINAGE MANUAL, ACCESS RAMP IS TO BE PROVIDED FOR ALL NEW BOX CULVERTS FOR MAINTENANCE. A 1.5m x 1.8m DESILTING OPENING IS TO BE PROVIDED AT 100m INTERVALS FOR MINOR DESILTING OPERATIONS, AND A 2m x 2m MIN. DESILTING OPENING IS TO BE PROVIDED AT 500m INTERVALS FOR MAJOR DESILTING OPERATIONS.

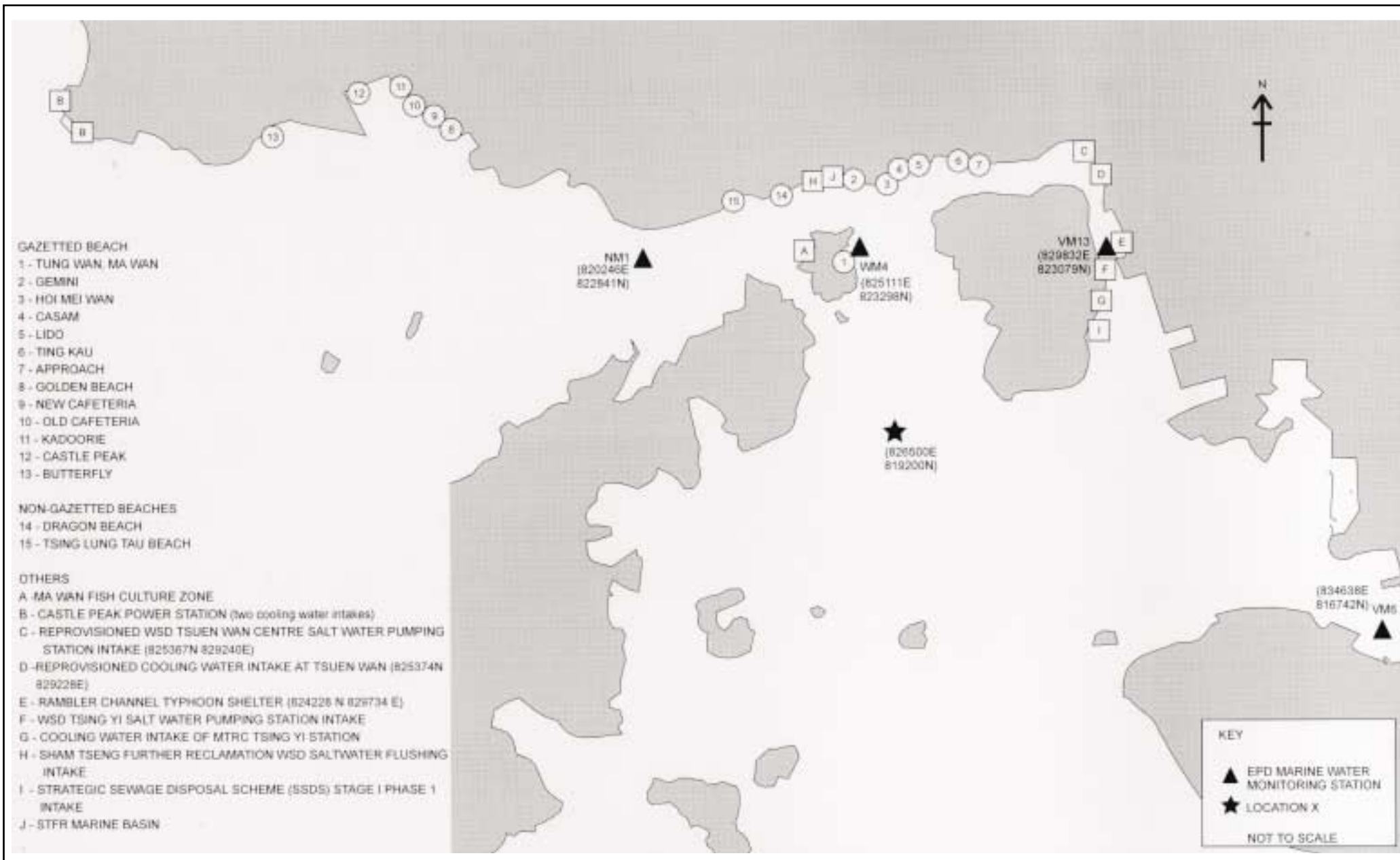
- LEGEND**
- PROPOSED MANHOLE
 - EXISTING MANHOLE
 - PROPOSED PIPE
 - EXISTING PIPE

UPSTREAM NODE	DOWNSTREAM NODE	PIPE LABEL IN MODELLING	GROUND LEVEL AT UPSTREAM NODE (mPD)	GROUND LEVEL AT DOWNSTREAM NODE (mPD)	UPSTREAM INVERT LEVEL (mPD)	DOWNSTREAM INVERT LEVEL (mPD)	UPSTREAM SOFFIT LEVEL (mPD)	DOWNSTREAM SOFFIT LEVEL (mPD)	GRADIENT (%)	PIPE / CULVERT SIZE (mm)	LENGTH (m)
(FIGURE NO. 6.9 REFERS)											
OUTFALL NO. 1											
M1-1	M1-2	100.100	7.60	7.74	1.920	1.850	3.570	3.500	0.412	EXISTING 1220(W) X 1650(H) B.C.	17
M1-2	M1-3	100.105	7.74	6.30	1.500	1.325	3.500	3.325	0.565	PROPOSED 2000(W) X 2000(H) B.C.	31
M1-3	M1-4	100.110	6.30	4.90	1.325	1.066	3.325	3.066	0.563	PROPOSED 2000(W) X 2000(H) B.C.	46
M1-4	M1-5	100.115	4.90	4.00	1.066	0.526	3.066	2.926	0.563	PROPOSED 2000(W) X 2000(H) TO 2400(H) B.C.	96
M1-5	M1-6	100.120	4.00	4.00	0.026	-0.310	2.926	2.940	0.560	PROPOSED 2500(W) X 2900(H) TO 3250(H) B.C.	60
M1-6	M1-7	100.121	4.00	5.50	-0.310	-0.460	2.940	2.940	0.200	PROPOSED 2 X 2250(W) X 3250(H) TO 3400(H) B.C.	75
M1-7	OUTFALL 1	100.122	5.50	5.50	-0.460	-0.610	2.940	2.940	0.200	PROPOSED 2 X 2250(W) X 3400(H) TO 3550(H) B.C.	75
OUTFALL NO. 2											
M2-1	M2-2	100.100	5.50	5.50	1.00	0.45	3.000	2.900	0.500	PROPOSED 2500(W) X 2000(H) TO 2450(H) B.C.	110
M2-2	OUTFALL 2	100.105	5.50	5.50	0.45	-1.00	2.900	2.900	1.318	PROPOSED 3000(W) X 2450(H) TO 3900(H) B.C.	110
OUTFALL NO. 3											
M3-1	M3-2	100.100	12.00	7.50	7.500	2.500	11.500	6.500	10.000	EXISTING 4000(BW) X 4000(H) CHANNEL	50
M3-2	M3-3	100.200	7.50	6.80	2.500	0.320	6.500	4.320	10.900	EXISTING 5500(BW) X 4000(H) CHANNEL	20
M3-3	M3-4	100.300	6.80	5.50	0.320	0.000	2.170	1.850	2.000	EXISTING 3300(W) X 1850(H) B.C.	16
M3-4	OUTFALL 3	100.400	5.50	5.50	-0.500	-0.740	2.900	2.910	1.500	PROPOSED 2 X 2000(W) X 3400(H) TO 3650(H) B.C.	16
OUTFALL NO. 4											
M4-1	M4-2	1.100	5.02	4.50	3.200	2.877	5.020	4.697	0.333	EXISTING 1350(BW) X 1850(H) TRAP. CHANNEL	97
M4-2	M4-3	1.200	4.50	4.50	2.300	0.700	3.800	2.200	13.333	EXISTING 1500 DIA.	12
M4-3	OUTFALL 4	1.300	4.50	4.50	0.400	0.140	2.200	1.940	0.333	PROPOSED 1800 DIA.	78

Scott Wilson (Hong Kong) Ltd 偉信顧問(香港)有限公司 	<h2>PROPOSED STORMWATER DRAINAGE WITHIN RECLAMATION AREA</h2>	DRAWING NO. 圖則編號 <h1 style="font-size: 2em;">3.3b</h1>	CIVIL ENGINEERING DEPARTMENT HONG KONG
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT	DESIGNED 設計 CMO	DRAWN 繪圖 NYH	CHECKED 複核 RLWK
APPROVED 批准	DATE 日期 9/00	SCALE 比例 N.T.S.	STATUS 現況 PRELIMINARY

SW CAD q:\current\97258\eia\fig3-3b.dgn10-11-200118:07:29

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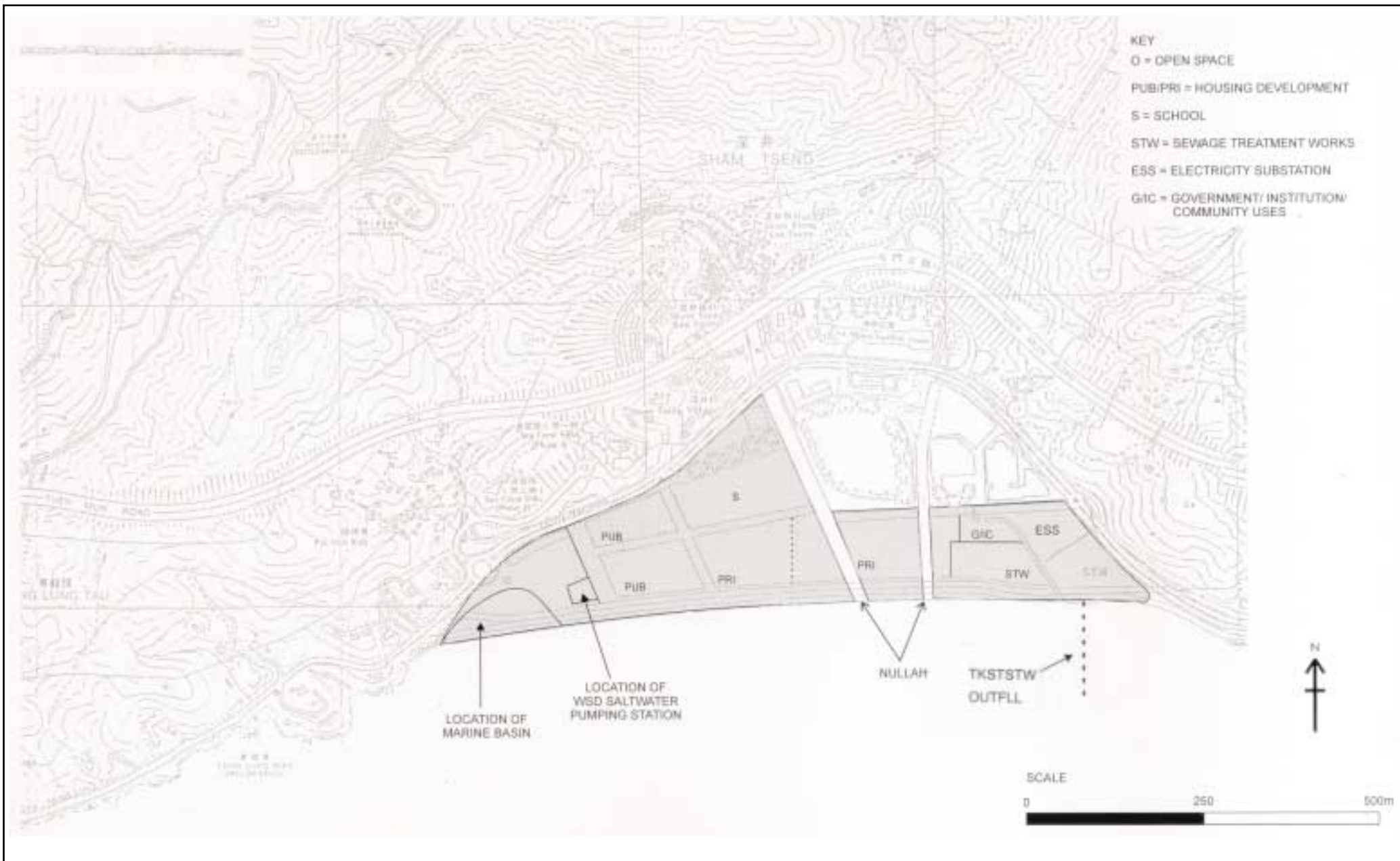


**Water Sensitive Receivers and
Additional Locations for
Water Quality Modelling (▲ and ★)**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	3.3c		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況

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Civil Engineering
Department**



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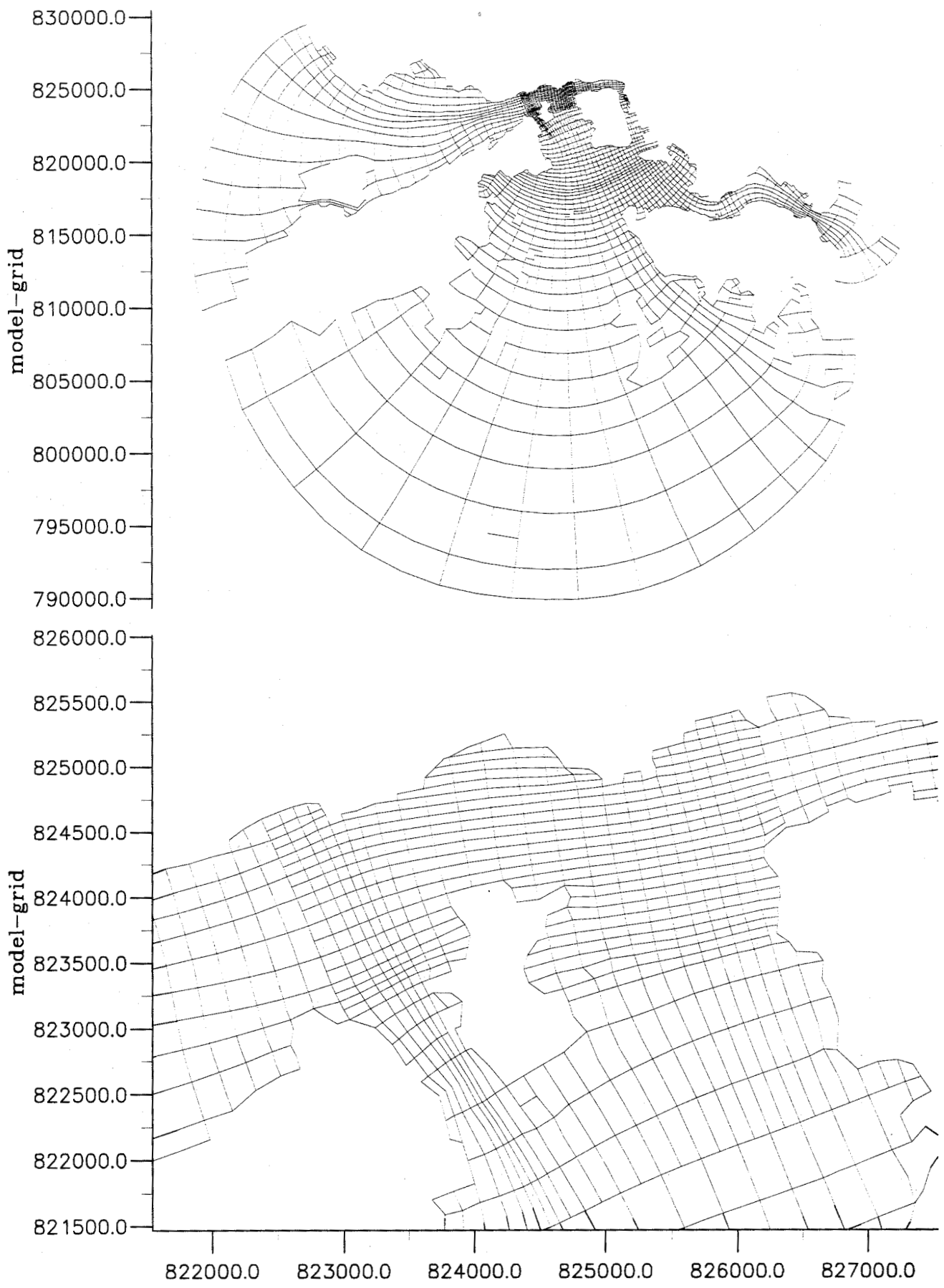


**Locations of TKSTSTW Outfall, WSD
 Saltwater Pumping Station and
 Marine Basin**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	3.3d		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況

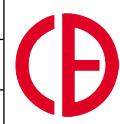




PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Model Grid Water Quality Reference
Runs Upper: Complete Grid;
Reclamation Area**

Drawing No. 圖則編號	3.4a		
Designed 設計	Drawn 繪圖	Checked 覆核	Scale 比例
Approved 批准	Date 日期		Status 現況



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Department**

Sham Tseng Development - Construction Programme for Reclamation Main Works

ID	Task Name	2005												2006			
		Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
1	Phase 1																
2	Dredging		█														
3	Filling				█												
4																	
5	Phase 2																
6	Dredging			█													
7	Filling																
8																	
9	Phase 3																
10	Dredging																
11	Filling																
12																	
13	Phase 4																
14	Dredging																
15	Filling																

Sediment Loss Rate (Overlap)

Dredging = 2.26 kg s⁻¹
Filling = 352,750 kg

Dredging = 2.26 kg s⁻¹ Filling = 352,750 kg

Dredging = 2.26 kg s⁻¹
Filling = 352,750 kg

Filling = 705,500 kg

Filling = 705,500 kg
20 Sand Barges
(to be adopted in the Sediment Plume Model
as Worst Case Scenario)

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Sediment Loss Rate During Construction

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

3.4b

Designed
設計

Drawn
繪圖

Checked
校核

Scale
比例

Approved
批准

Date
日期

Status
現況



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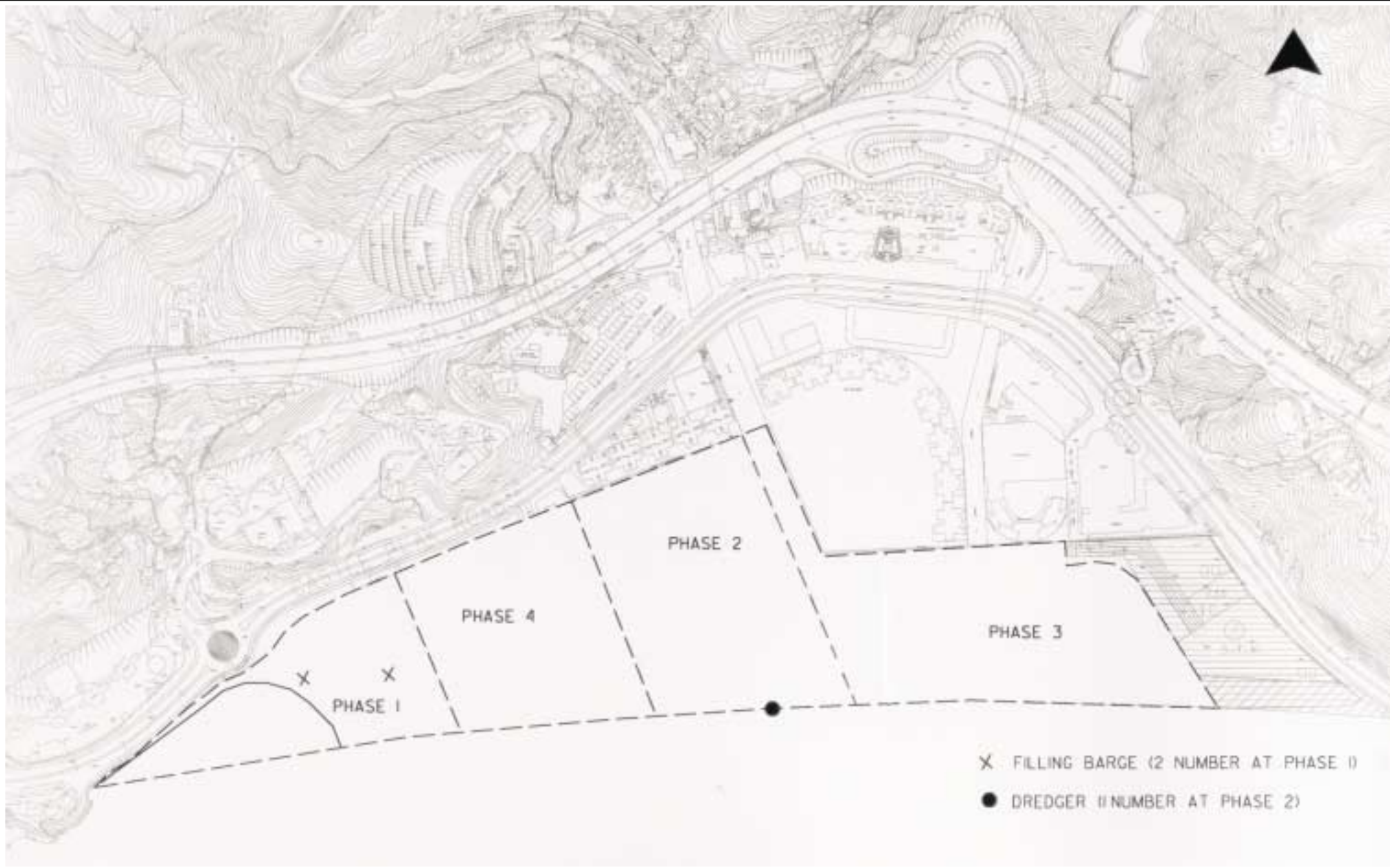


Locations of Barges to Be Assumed for Simulation of Filling at Phase 2 and Phase 3

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	3.4c		
Designed 設計	Drawn 繪圖 MY	Checked 校核	Scale 比例 Not to Scale
Approved 批准		Date 日期 05/00	Status 現況 C1780/ db2SCOTT.DGN





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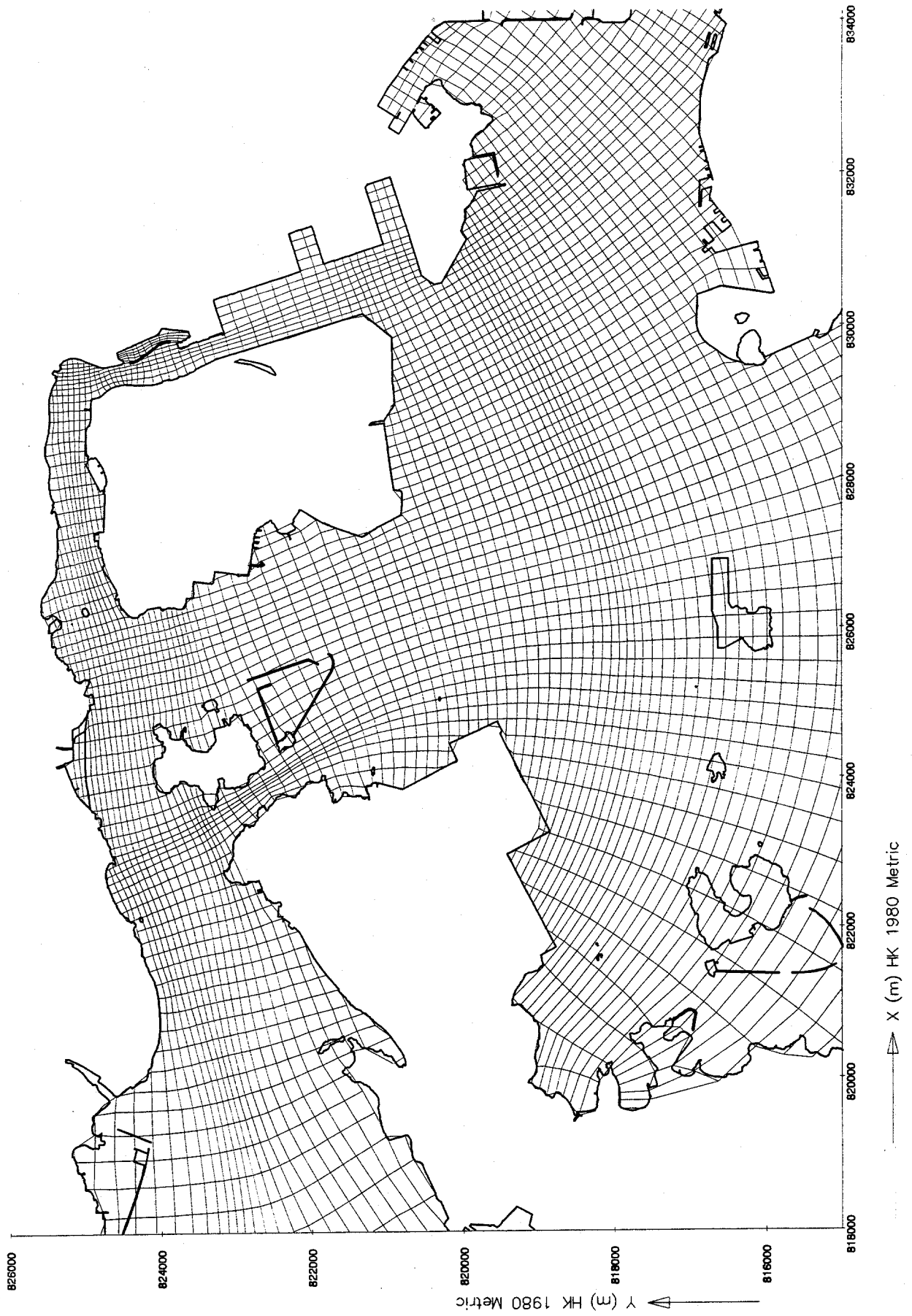


Locations of Dredger and Barges to Be Assumed for Simulation of Dredging at Phase 2 and Filling at Phase 1, Respectively

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	3.4d		
Designed 設計	Drawn 繪圖 MY	Checked 校核	Scale 比例 Not to Scale
Approved 批准		Date 日期 05/00	Status 現況 C1780/ db1SCOTT.DGN





PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Detail View of Hydrodynamic Model
Grid in Year 2007 Planning Horizon

Drawing No.
圖則編號

3.4e

Designed
設計

Drawn
繪圖

Checked
審核

Scale
比例

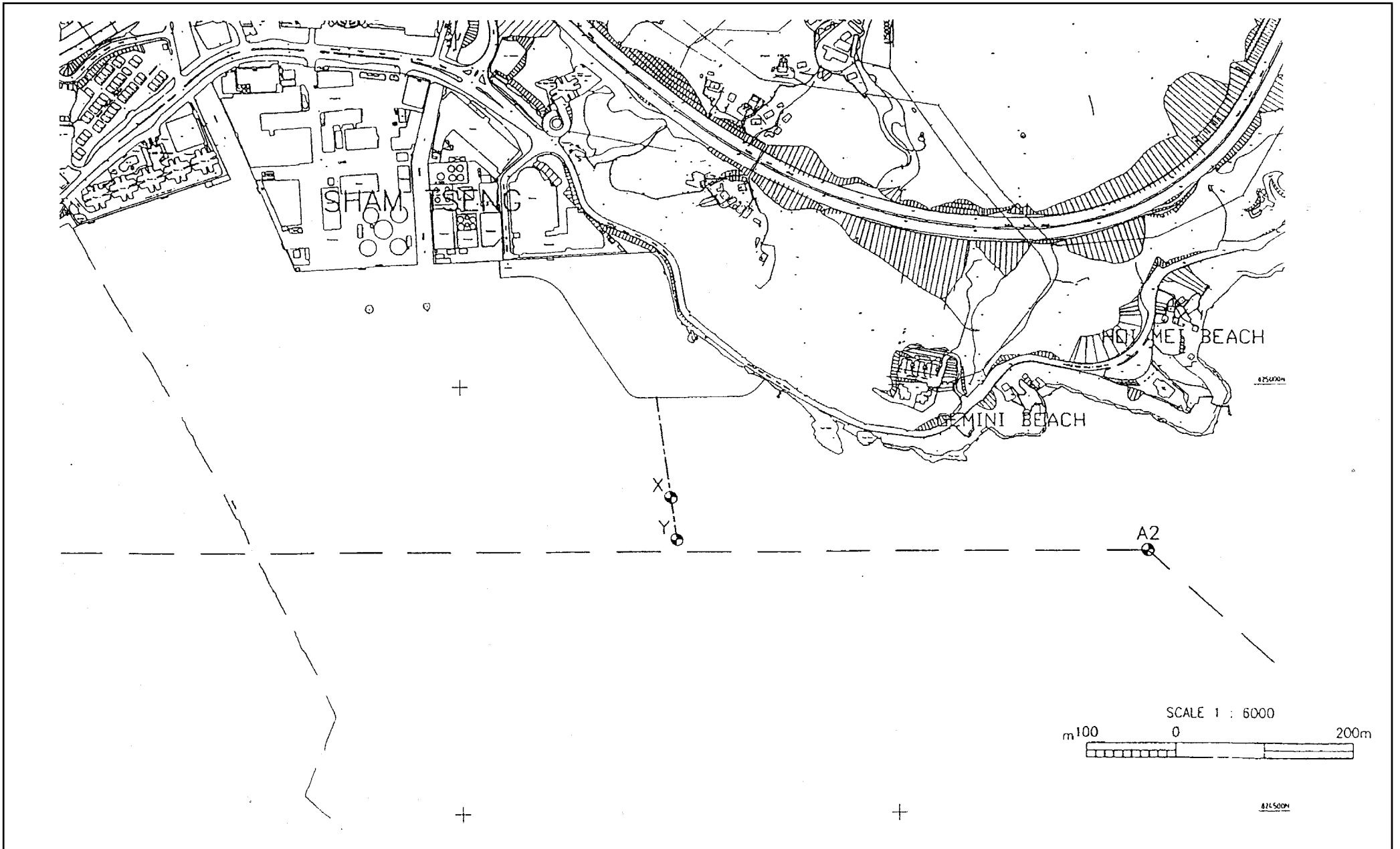
Approved
批准

Date
日期

Status
現況



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Department



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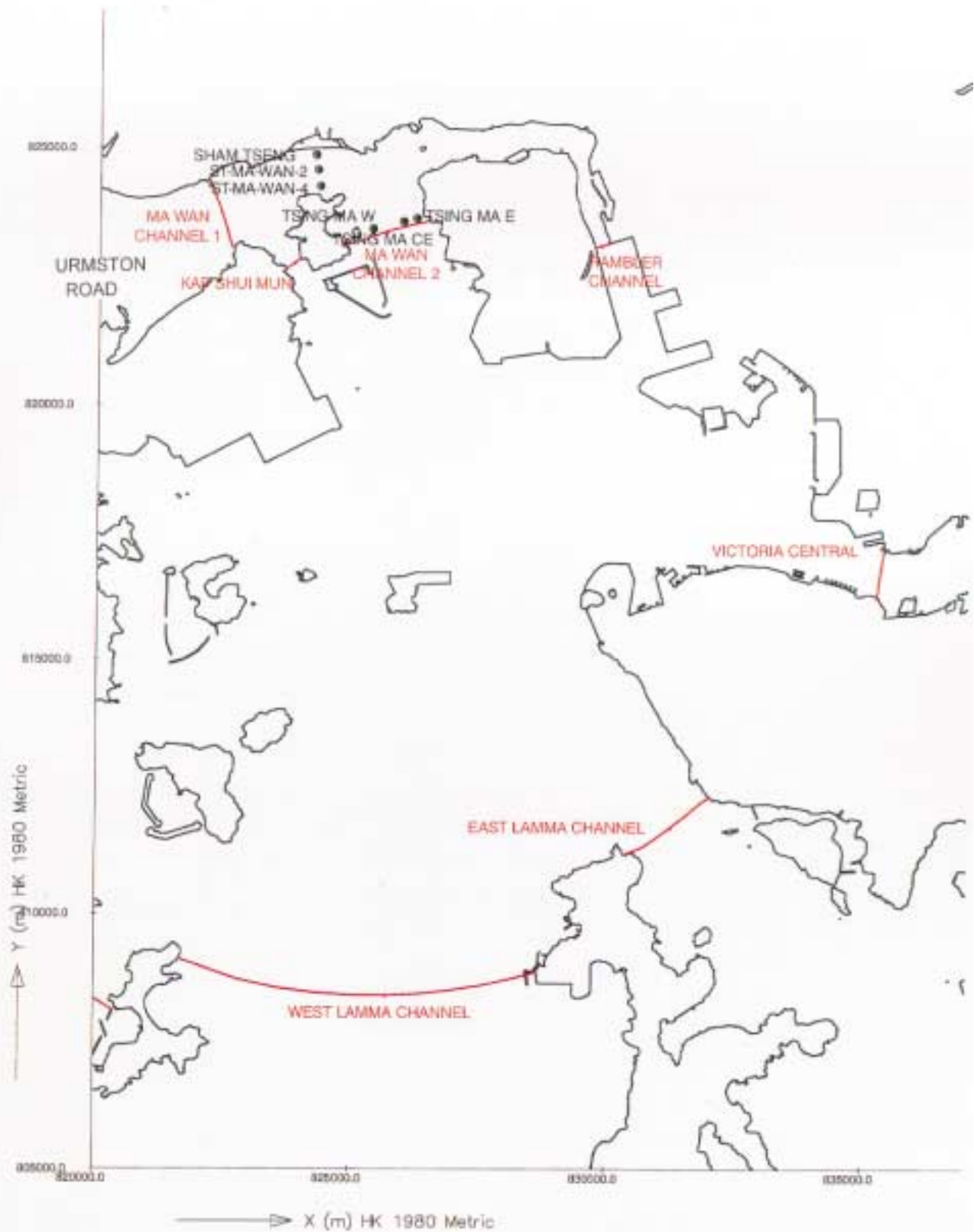
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Ting Kau & Sham Tseng STW
 Outfall Location**

Drawing No. 圖則編號	3.5a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況



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 Civil Engineering
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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Locations and Cross Sections for
Hydrodynamic Modelling

Drawing No.
圖則編號

3.6a

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

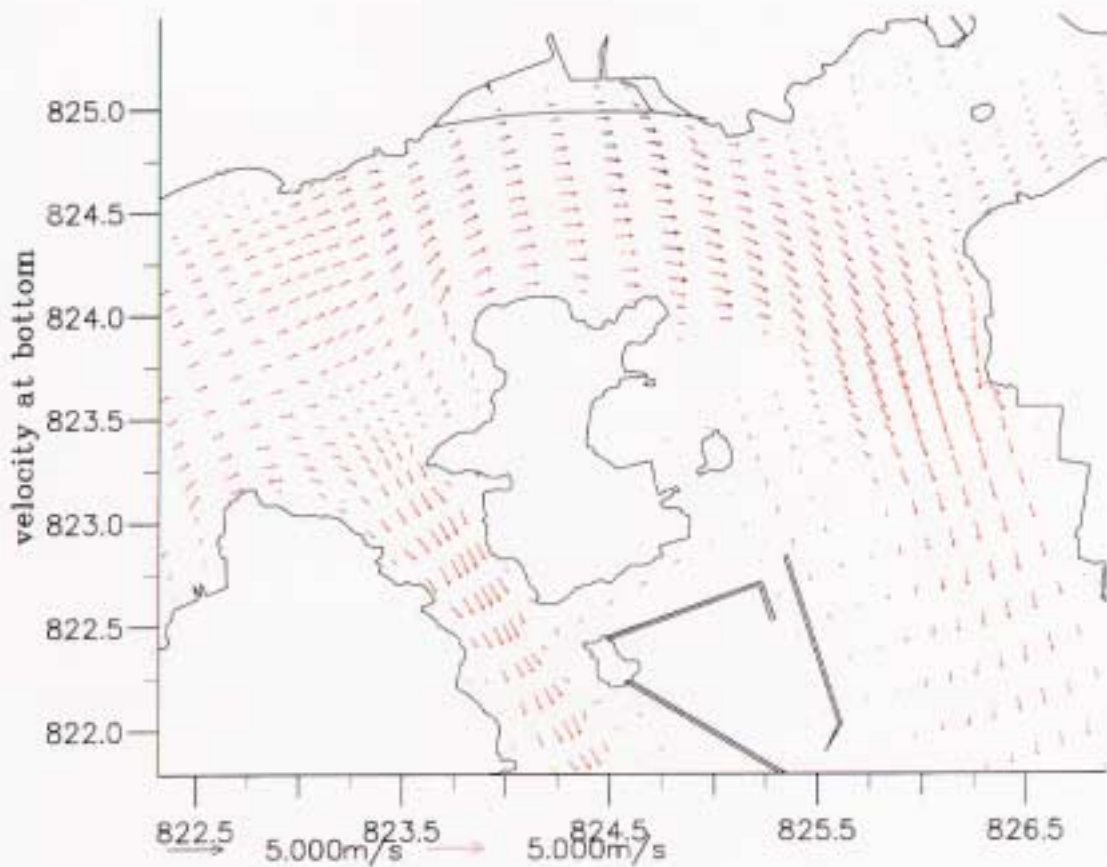
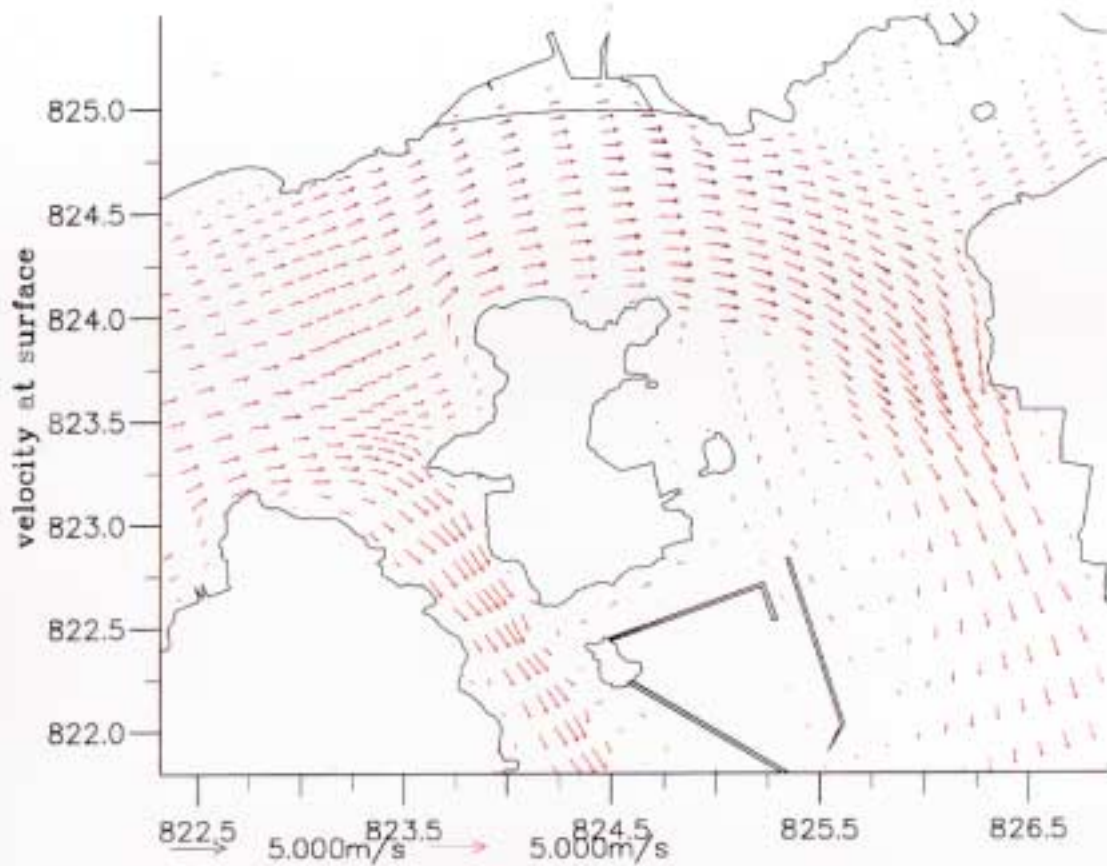
Approved
批准

Date
日期

Status
現況



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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Dry Seasons MES Current Velocity
at Surface and Bottom (19 Feb 02:00)
with (Red) and without (Black) STD

Drawing No.
圖則編號

3.6b

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

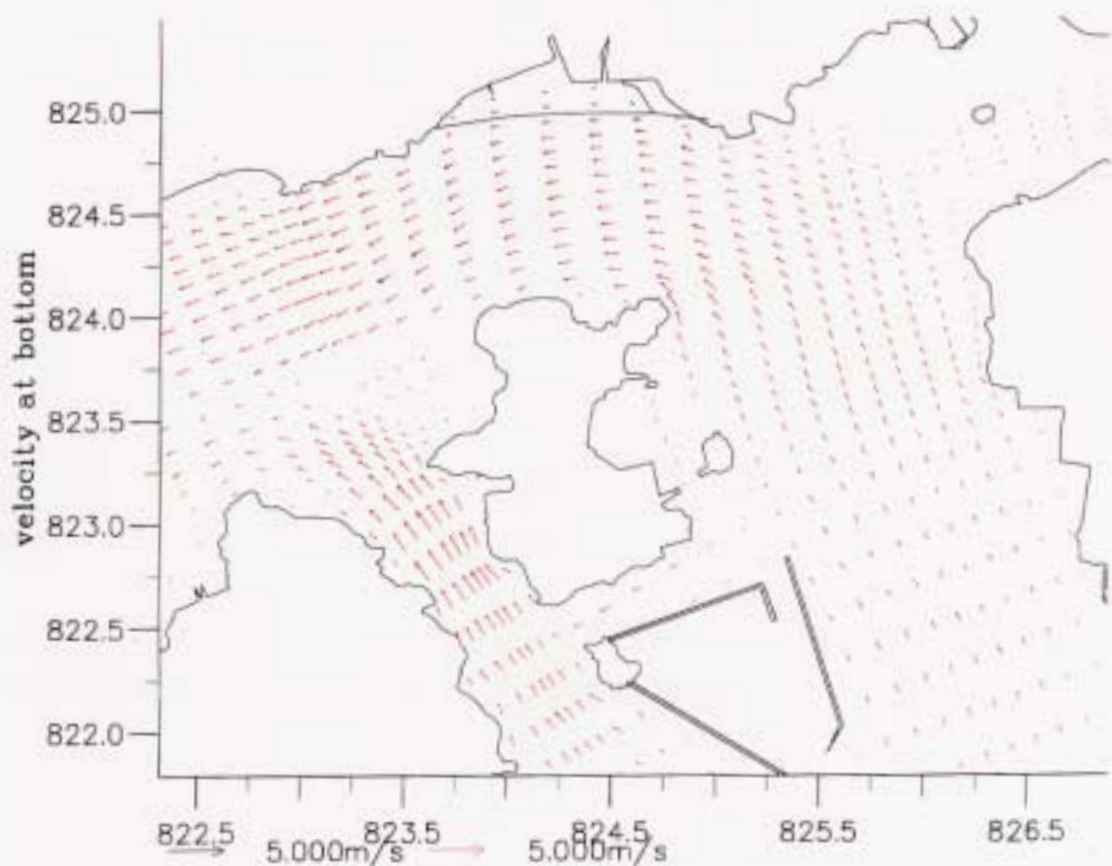
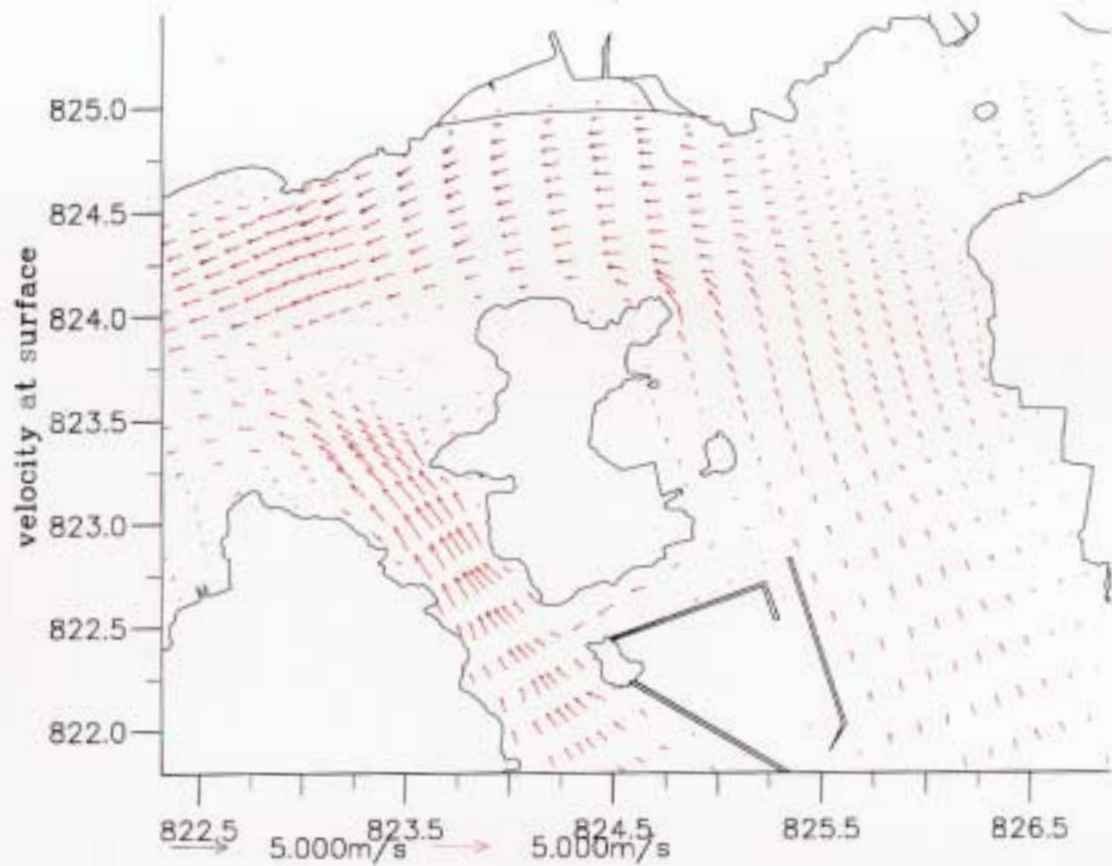
Approved
批准

Date
日期

Status
現況



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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Dry Seasons MFS Current Velocity
at Surface and Bottom (19 Feb 20:00)
without (Black) STD

Drawing No.
圖則編號

3.6c

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

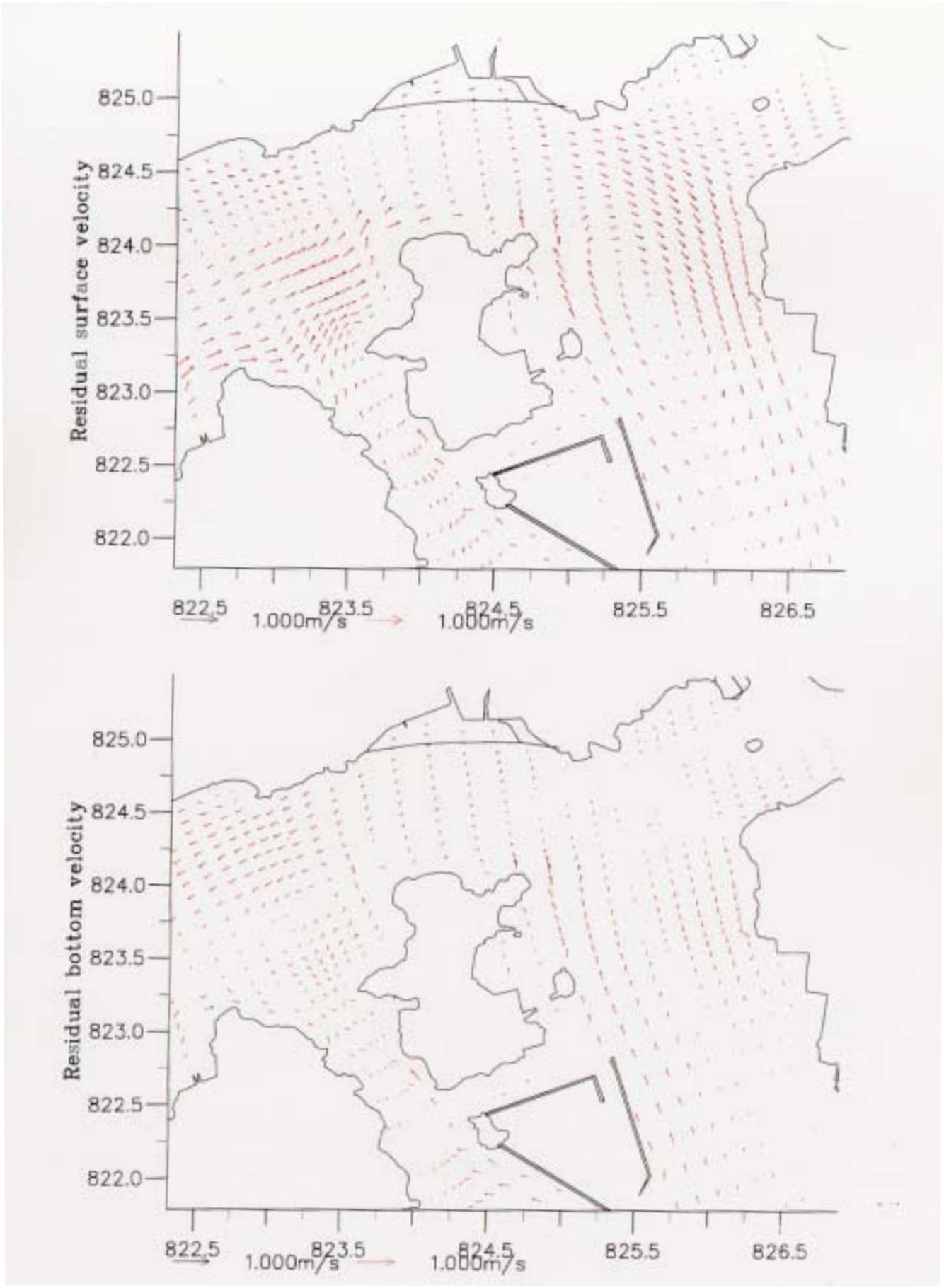
Approved
批准

Date
日期

Status
現況



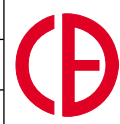
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Civil Engineering
Department



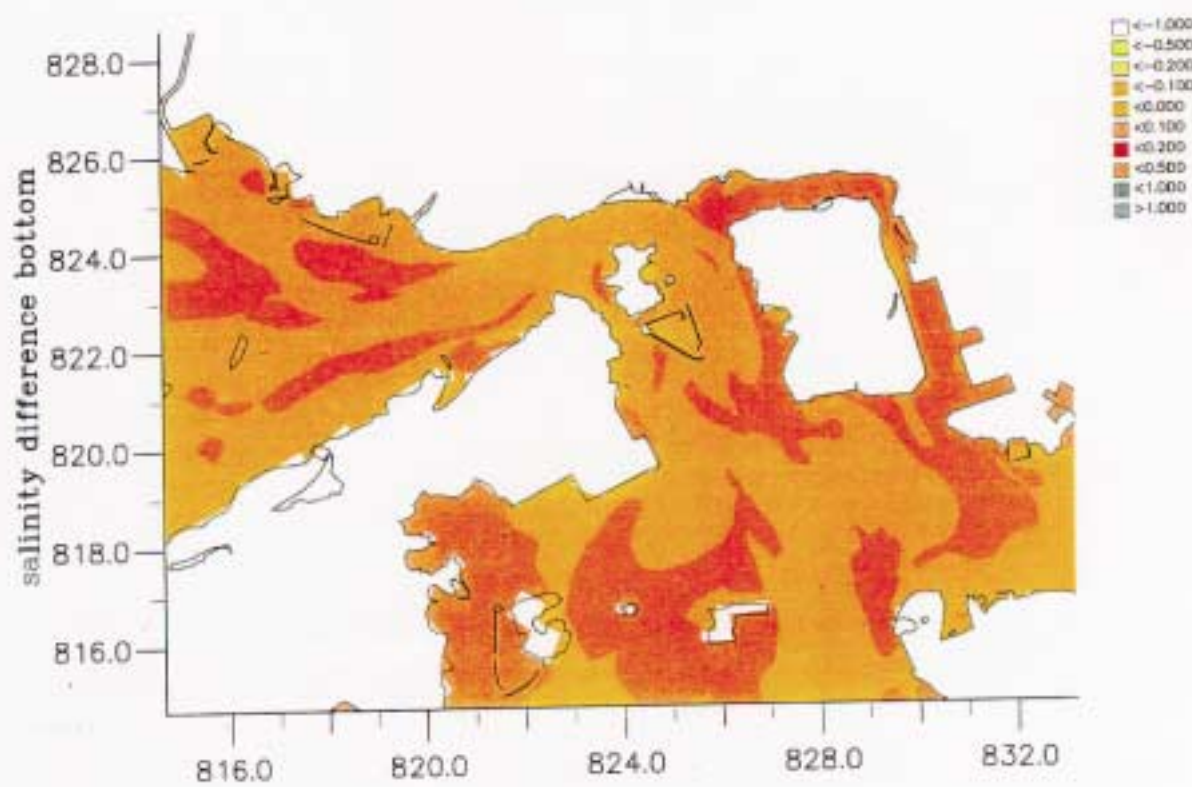
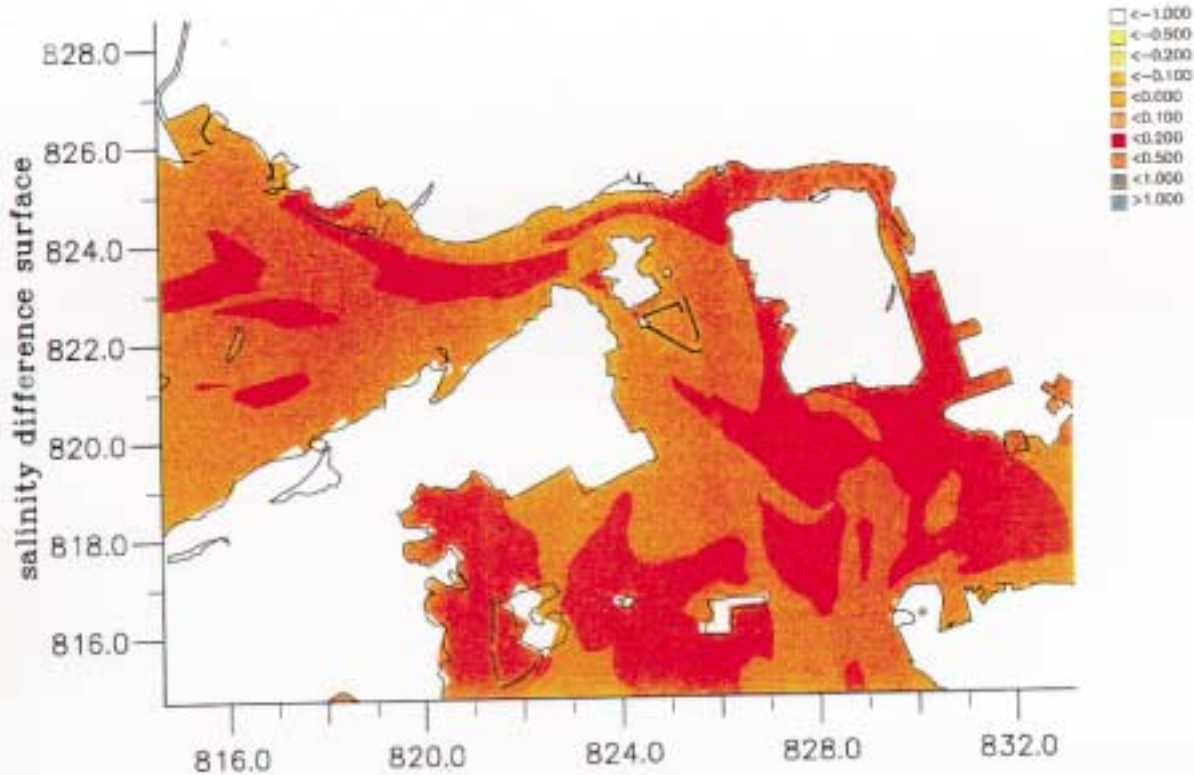
PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Dry Seasons MES Current Velocity
at Surface and Bottom (19 Feb 20:00)
without (Black) STD**

Drawing No. 圖則編號	3.6d		
Designed 設計	Drawn 繪圖	Checked 覆核	Scale 比例
Approved 批准	Date 日期		Status 現況



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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Dry Seasons MFS Salinity Difference
due to STD, at Surface and Bottom
(19Feb 02:00)

Drawing No.
圖則編號

3.6e

Designed
設計

Drawn
繪圖

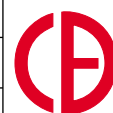
Checked
覆核

Scale
比例

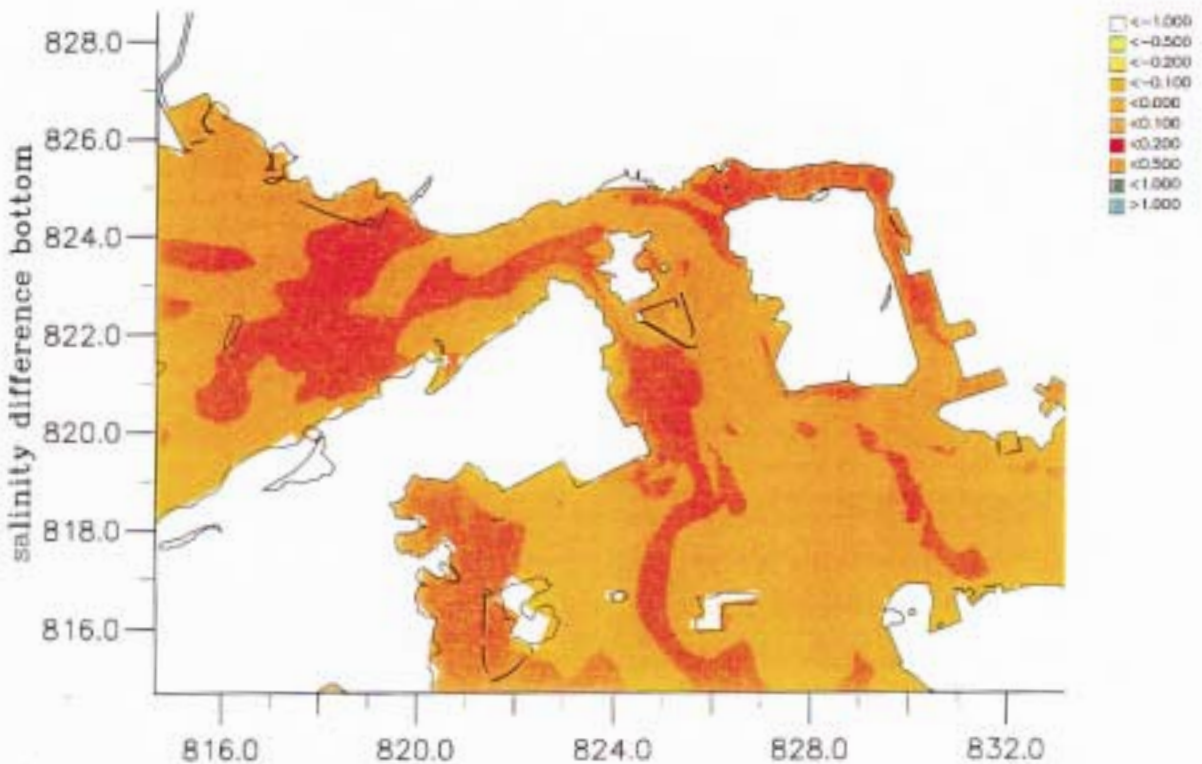
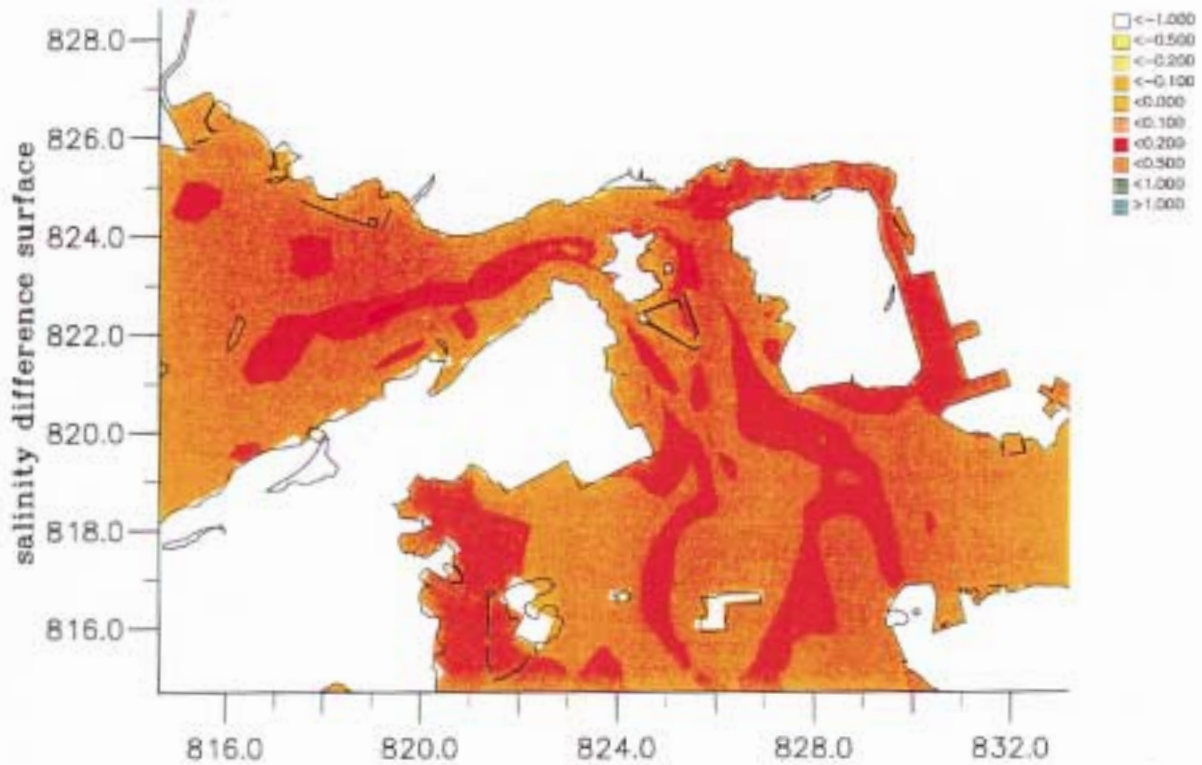
Approved
批准

Date
日期

Status
現況



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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Dry Season MFS Salinity Difference due
to STD at Surface and Bottom
(19 Feb 20:00)

Drawing No.
圖則編號

3.6f

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

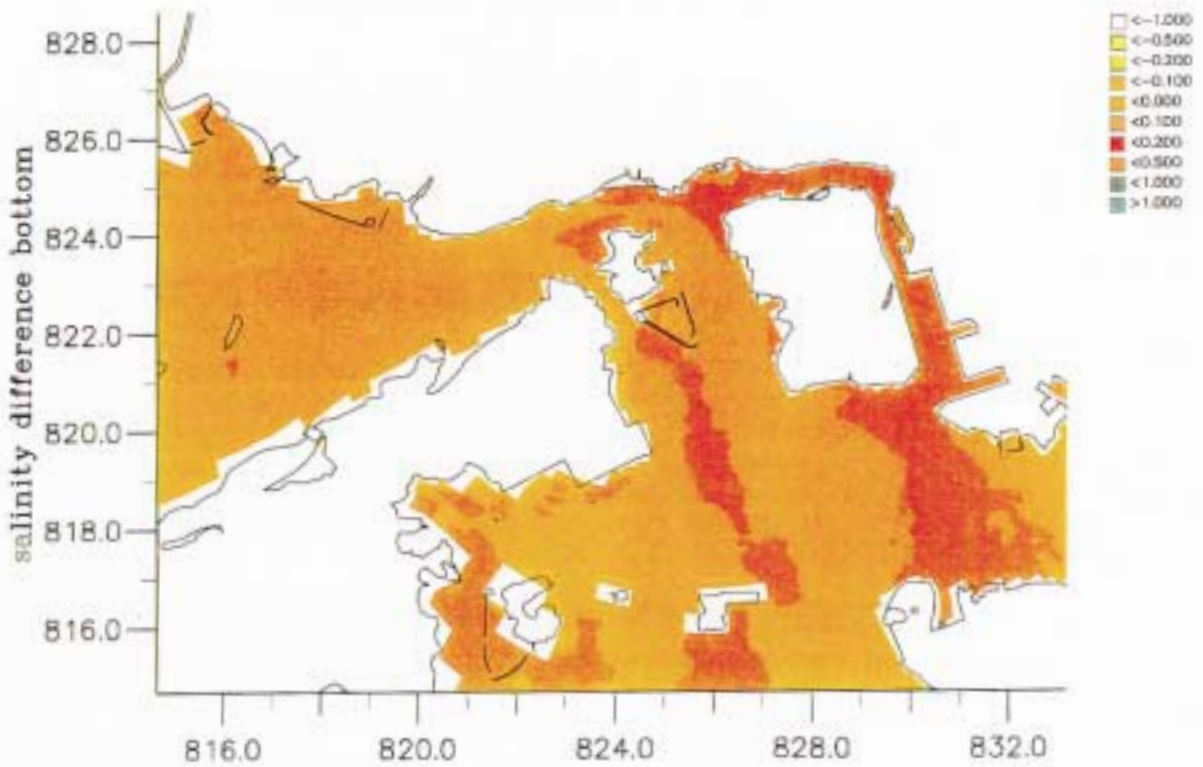
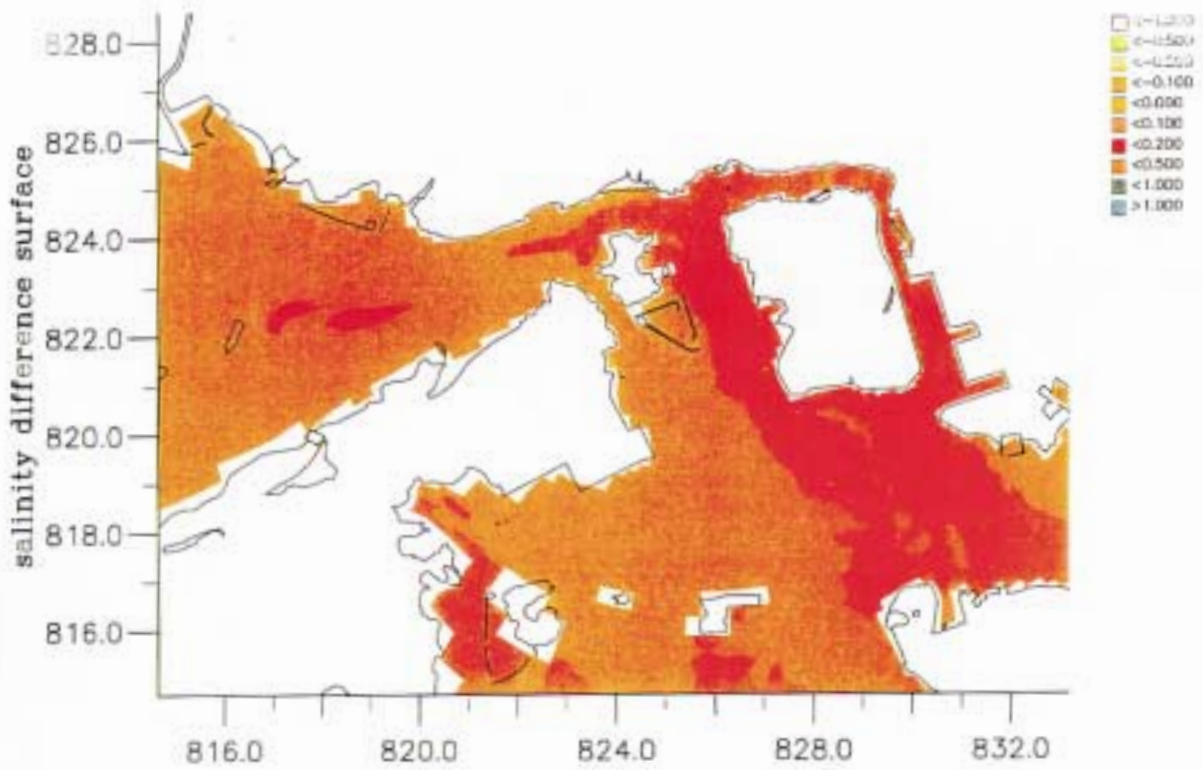
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Date
日期

Status
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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Dry Season Spring-Neap averaged
Salinity Different at Surface and
Bottom due to STD

Drawing No.
圖則編號

3.6g

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

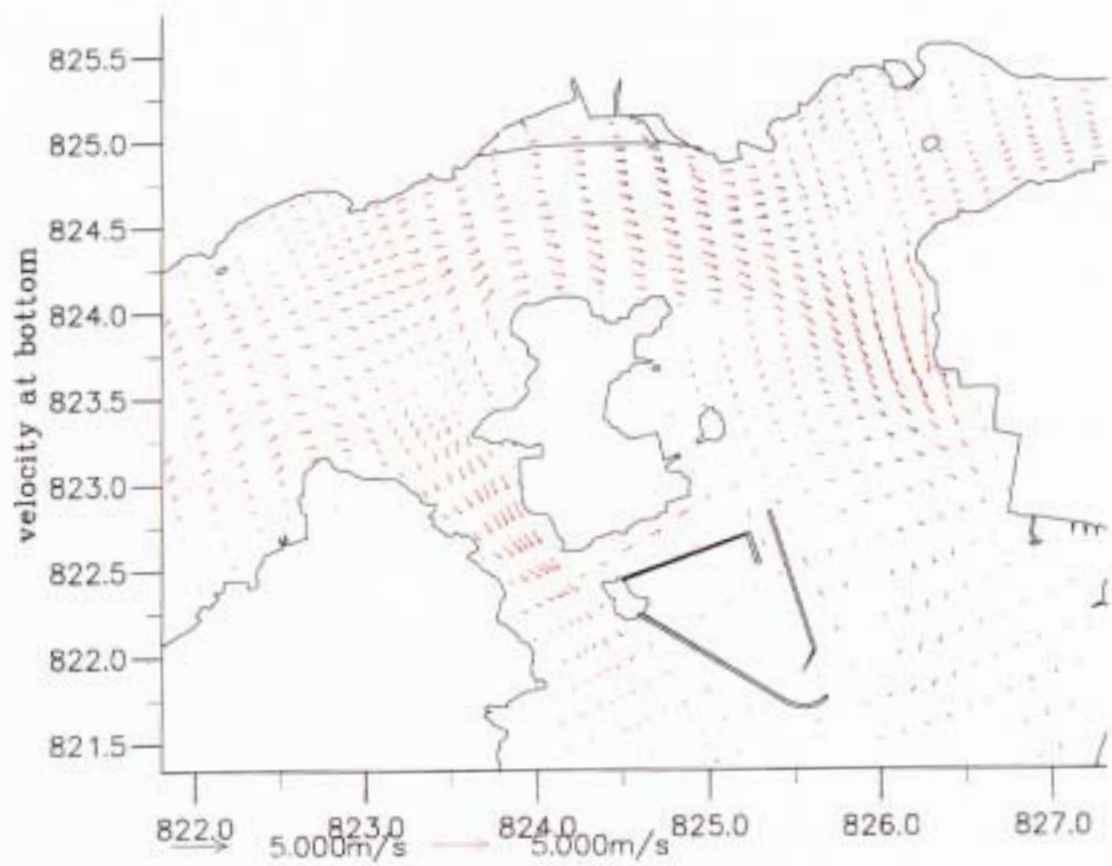
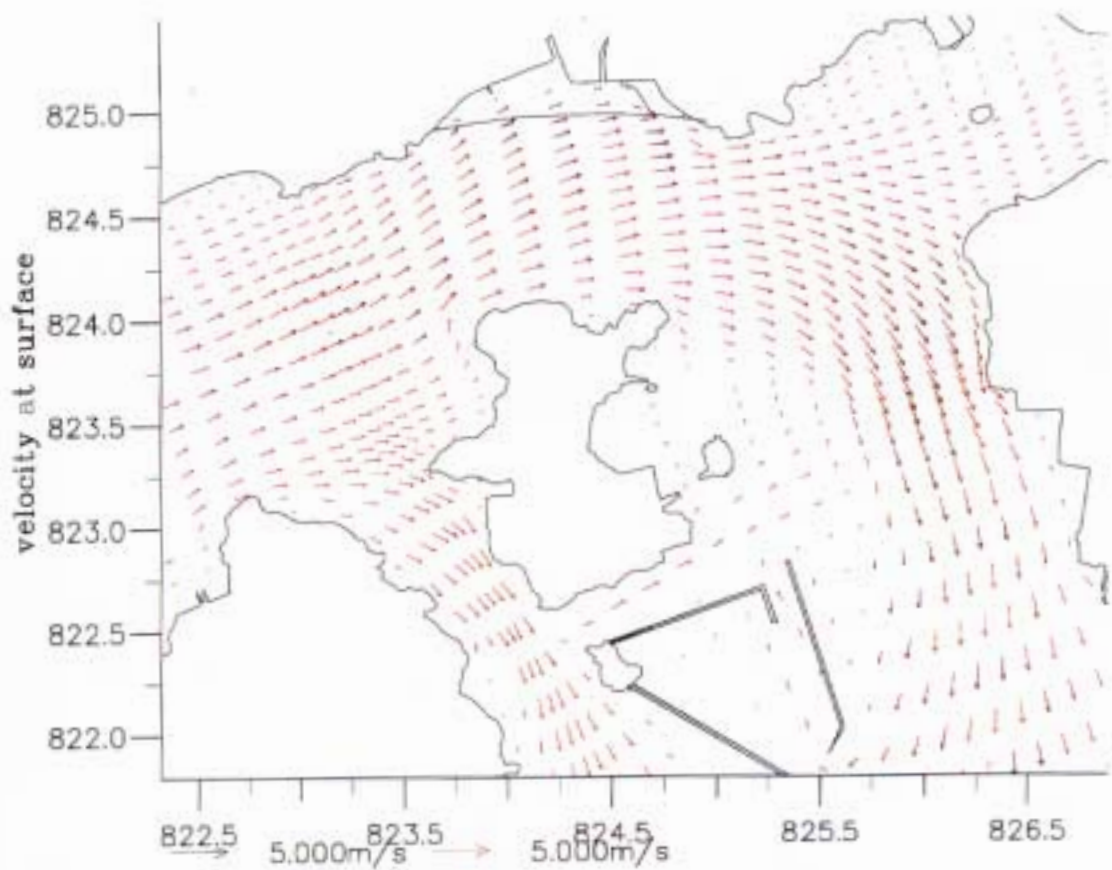
Approved
批准



Date
日期

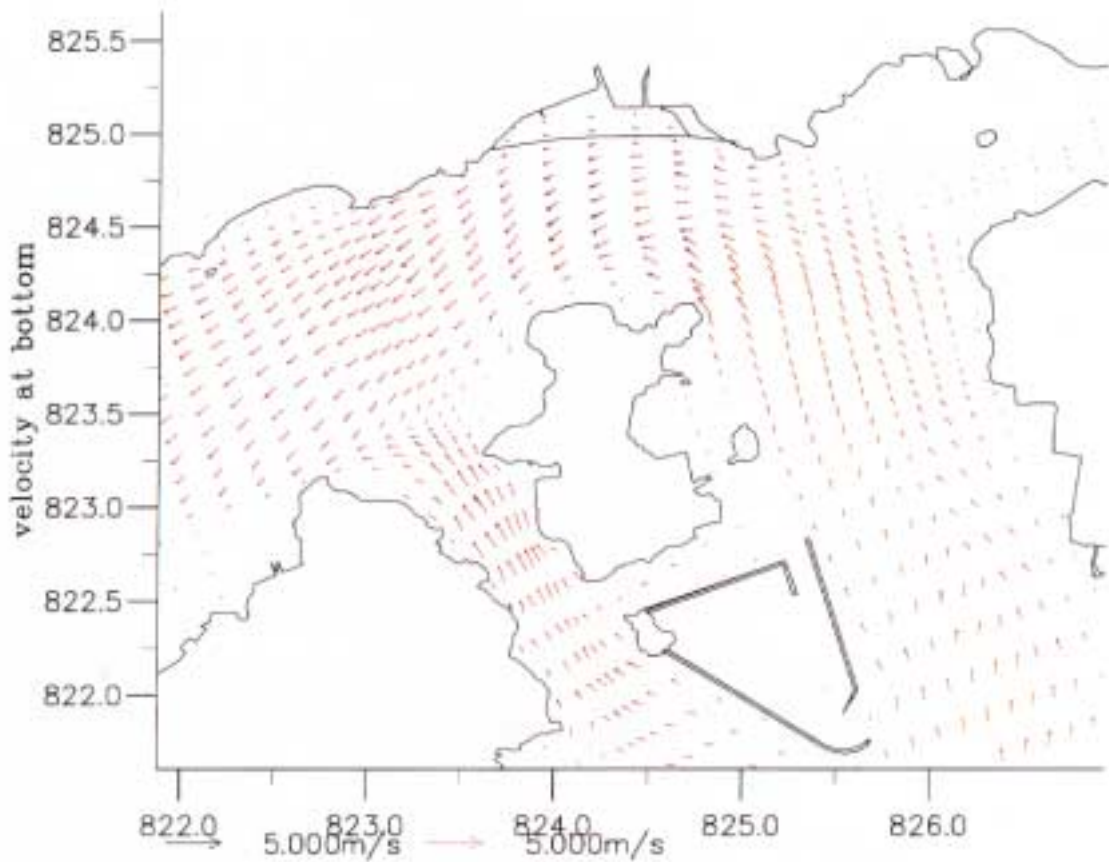
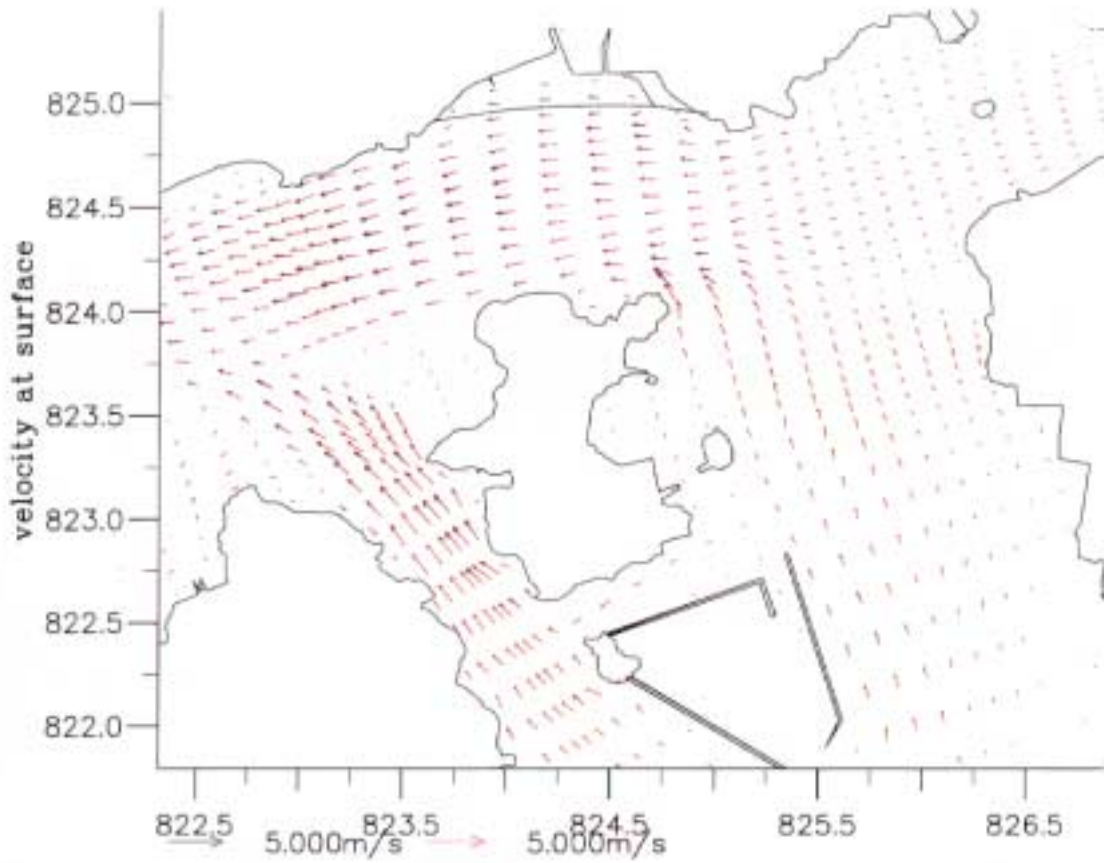
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	PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT	Drawing No. 圖則編號	3.6h		
	Wet Season MES Currency Velocity at Surface and Bottom (31 Jul 16:00) with (Red) and without (Black) STD	Designed 設計	Drawn 繪圖	Checked 覆核	Scale 比例
		Approved 批准	Date 日期		Status 現況
				土木工程署 Civil Engineering Department	



PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Wet Season MFS Currency Velocity at
Surface and Bottom (31 Jul 08:00)
with (Red) and without (Black) STD

Drawing No.
圖則編號

3.6i

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

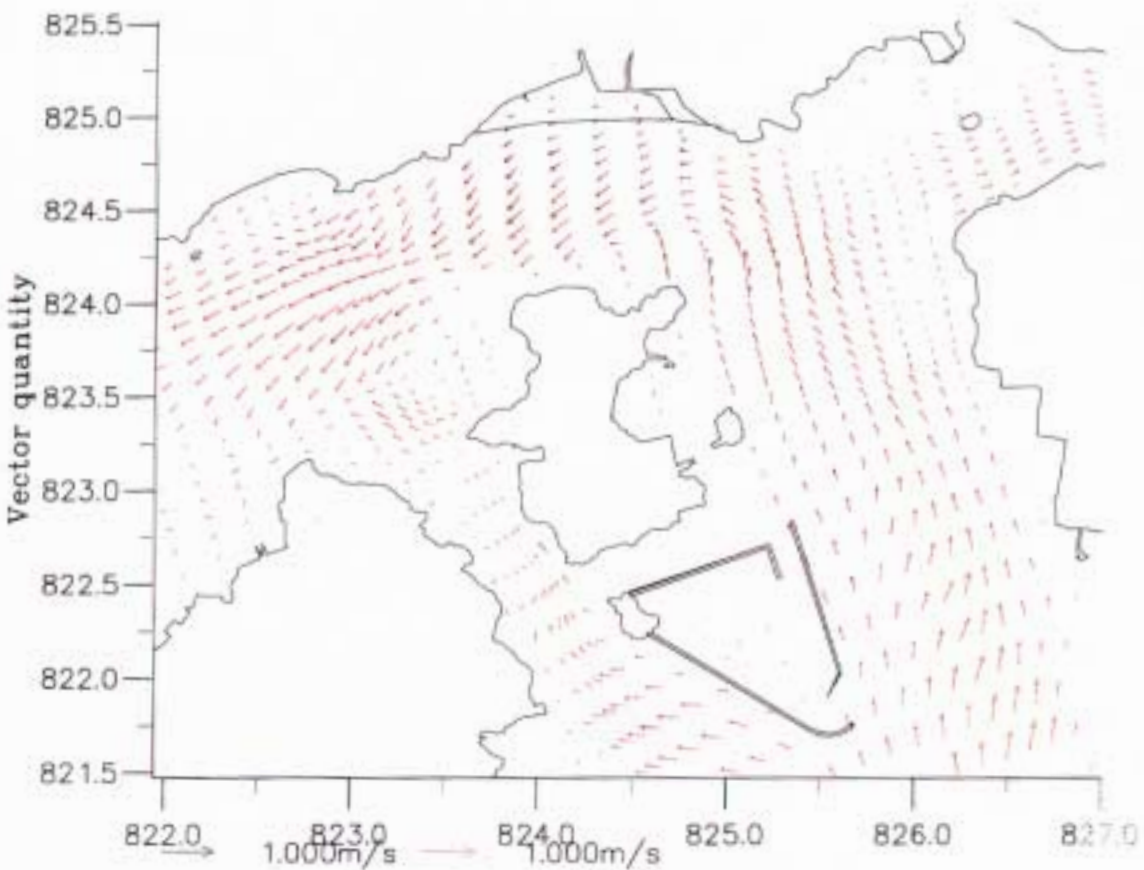
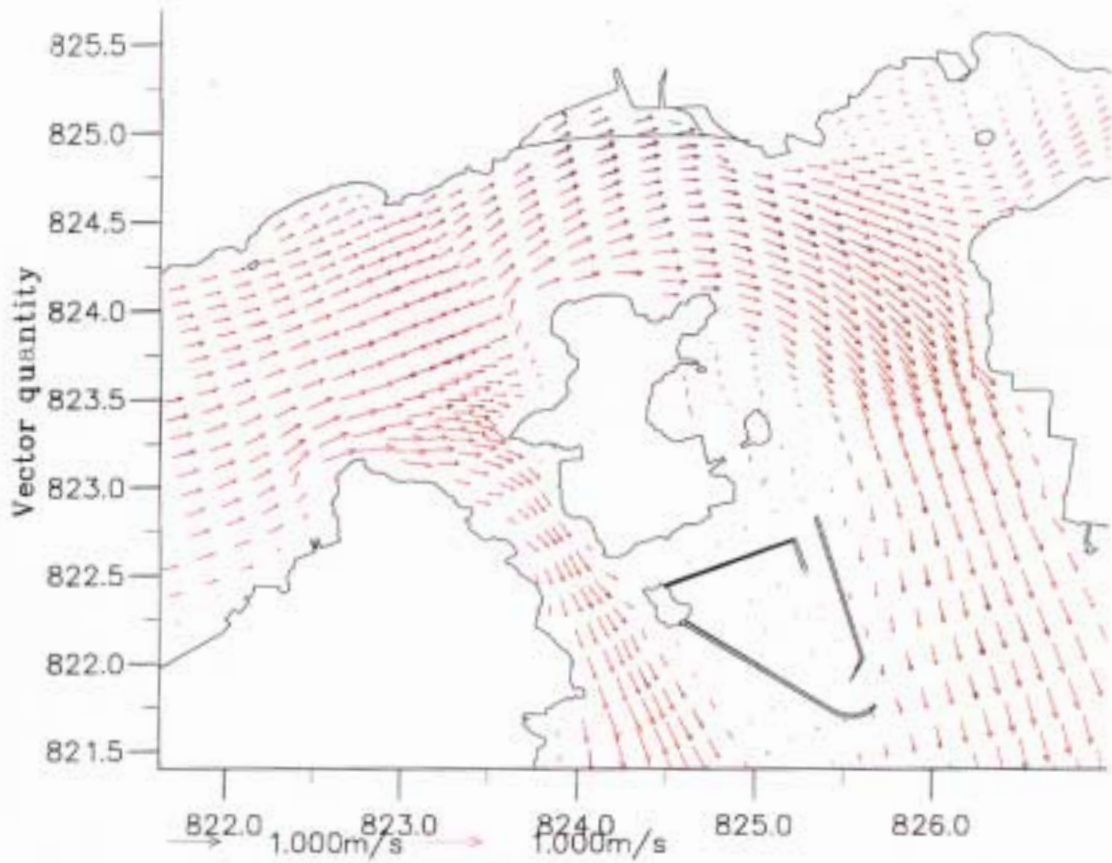
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Date
日期

Status
現況



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Civil Engineering
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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Wet Season Residual Current
Velocities at Surface and Bottom
with (Red) and without (Black) STD

Drawing No.
圖則編號

3.6j

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

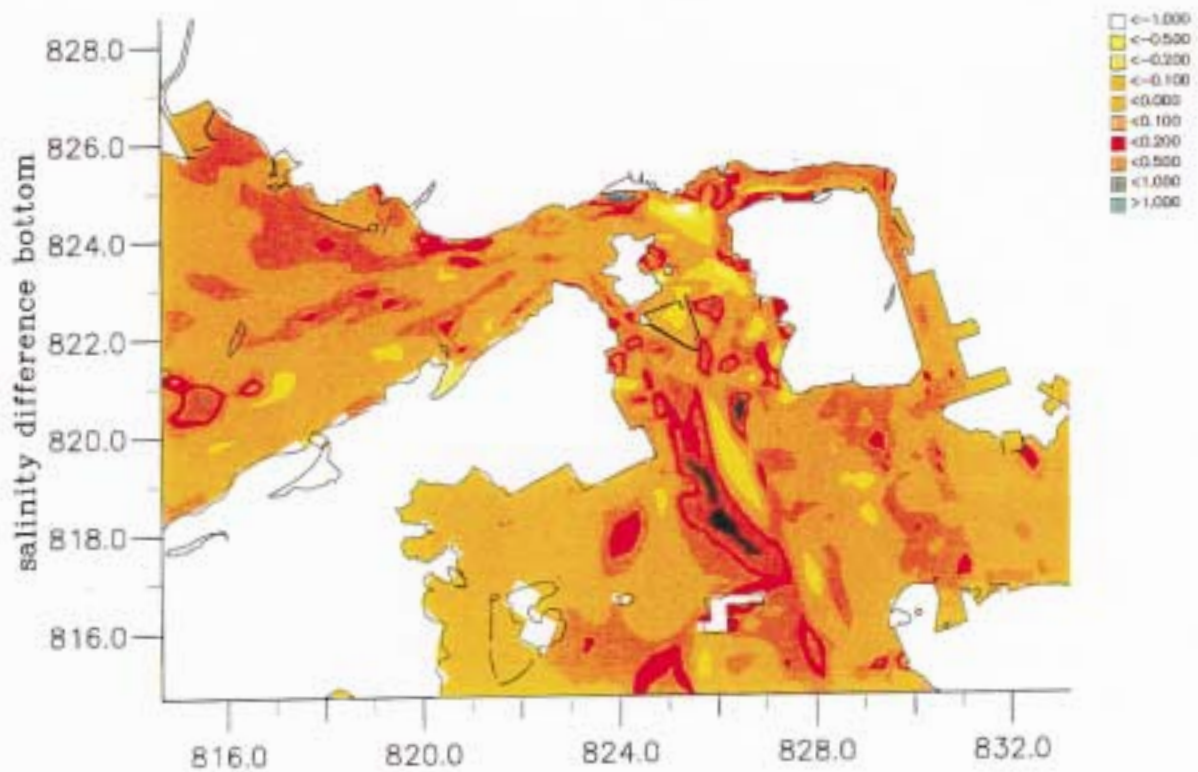
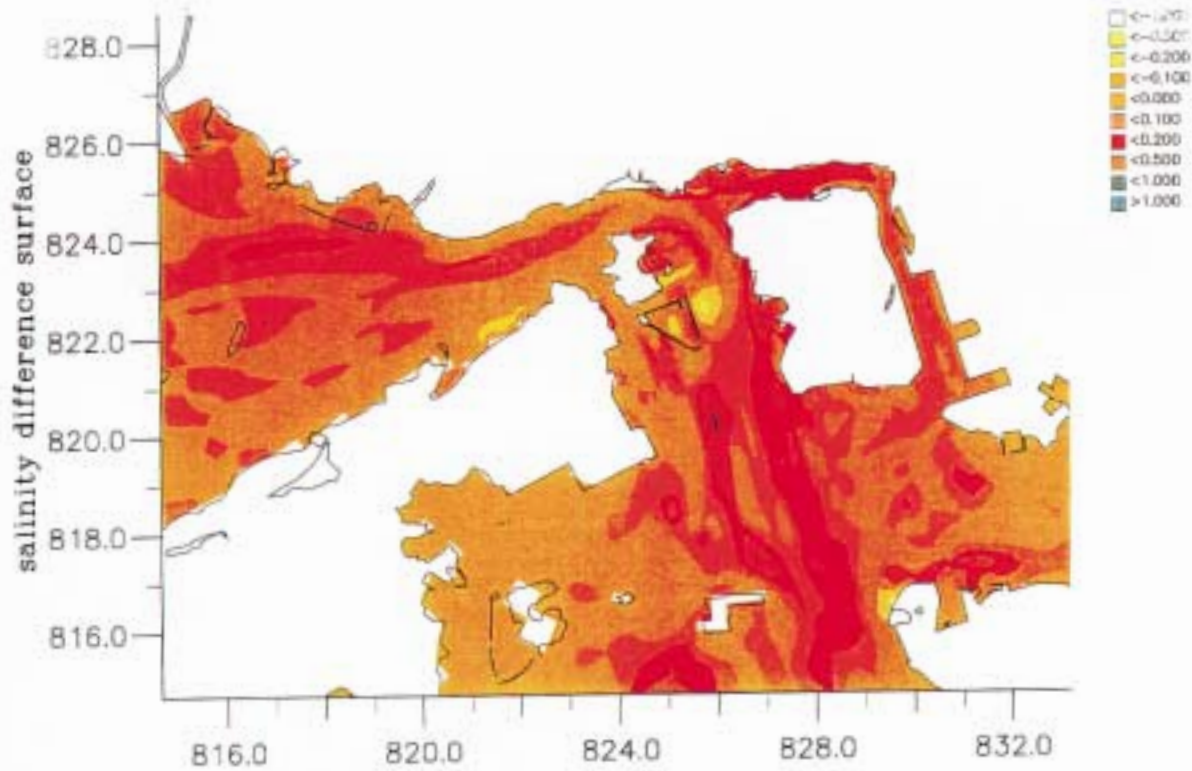
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批准

Date
日期

Status
現況



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PLANNING AND ENGINEERING
FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Wet Season MES Salinity Difference
due to STD, at Surface and Bottom
(31 Jul 16:00)

Drawing No.
圖則編號

3.6k

Designed
設計

Drawn
繪圖

Checked
覆核

Scale
比例

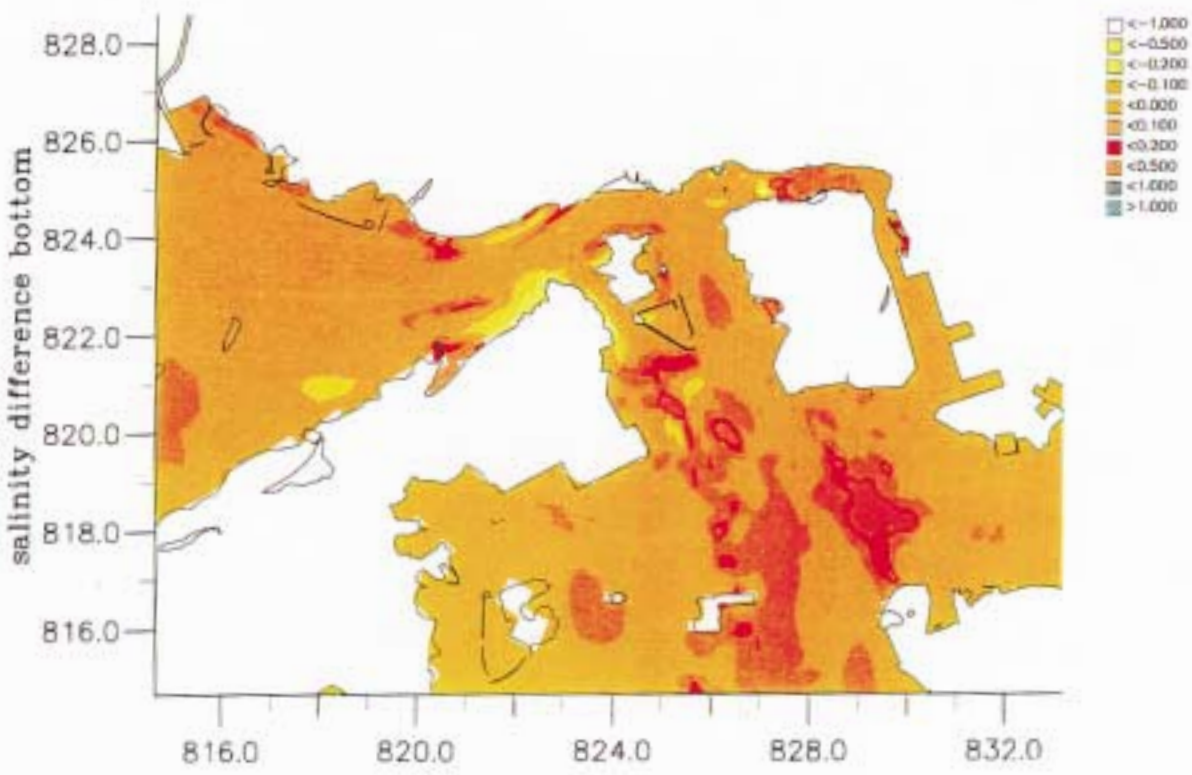
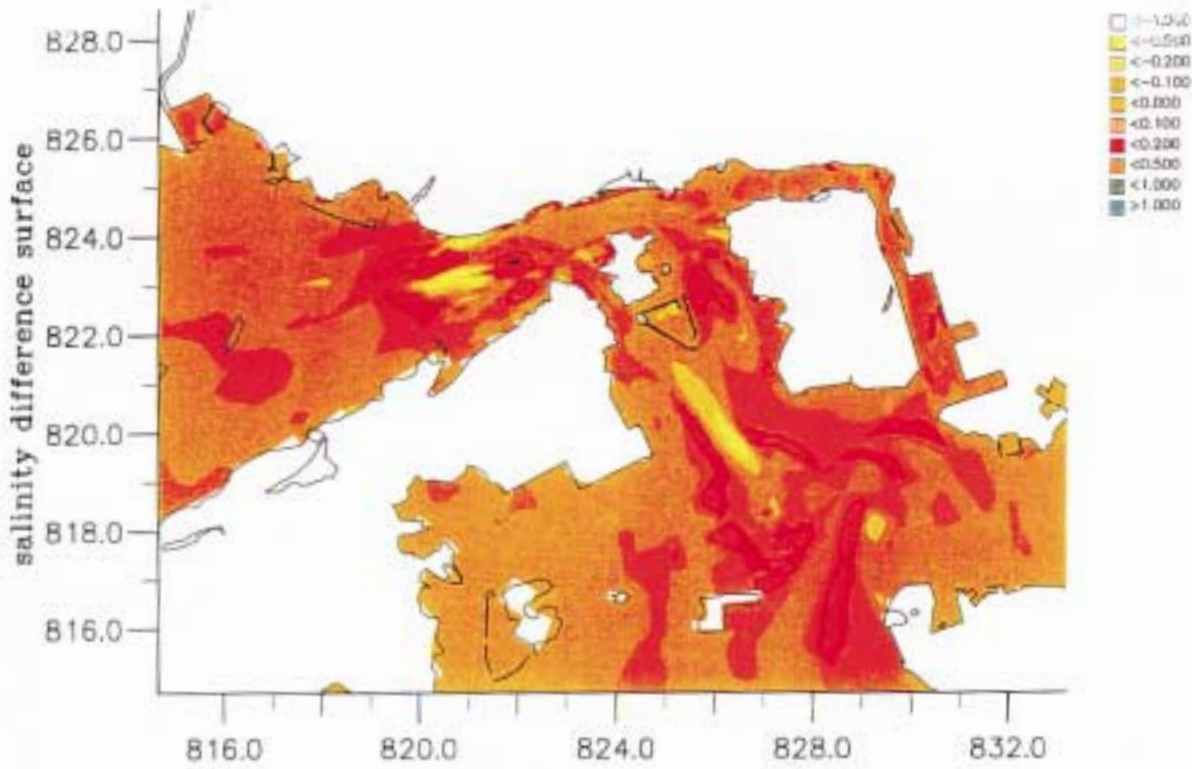
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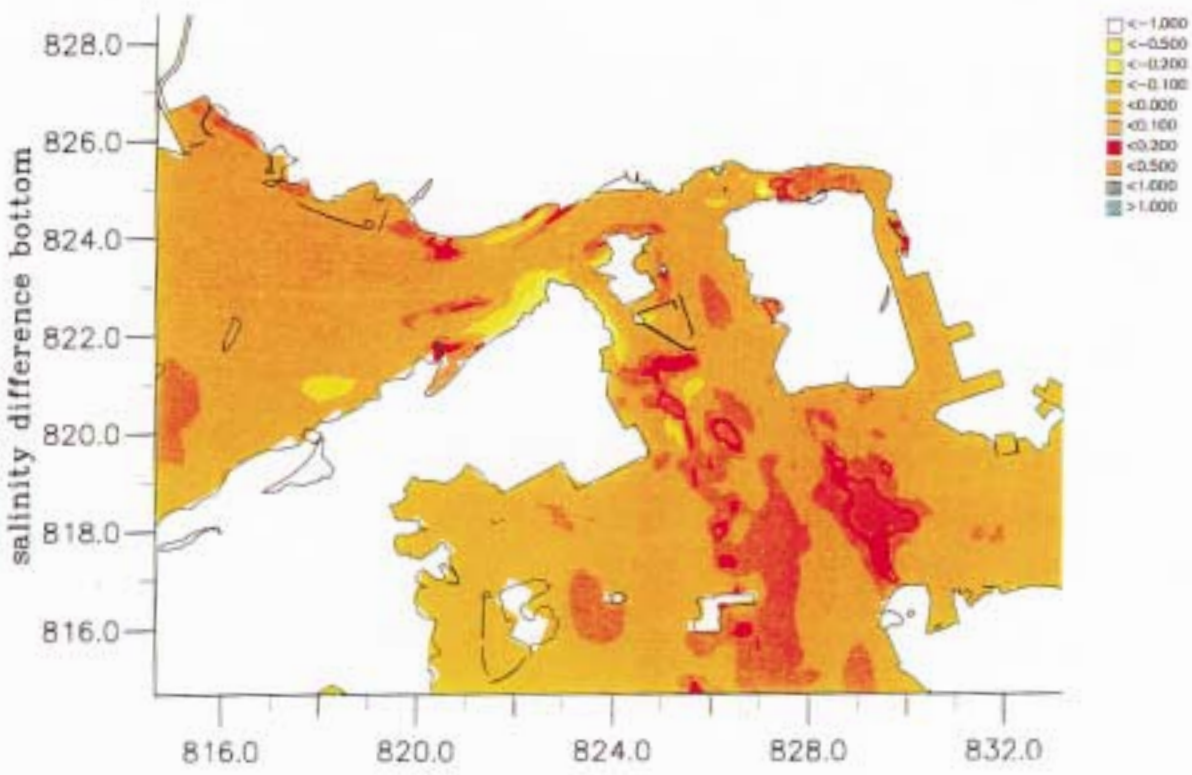
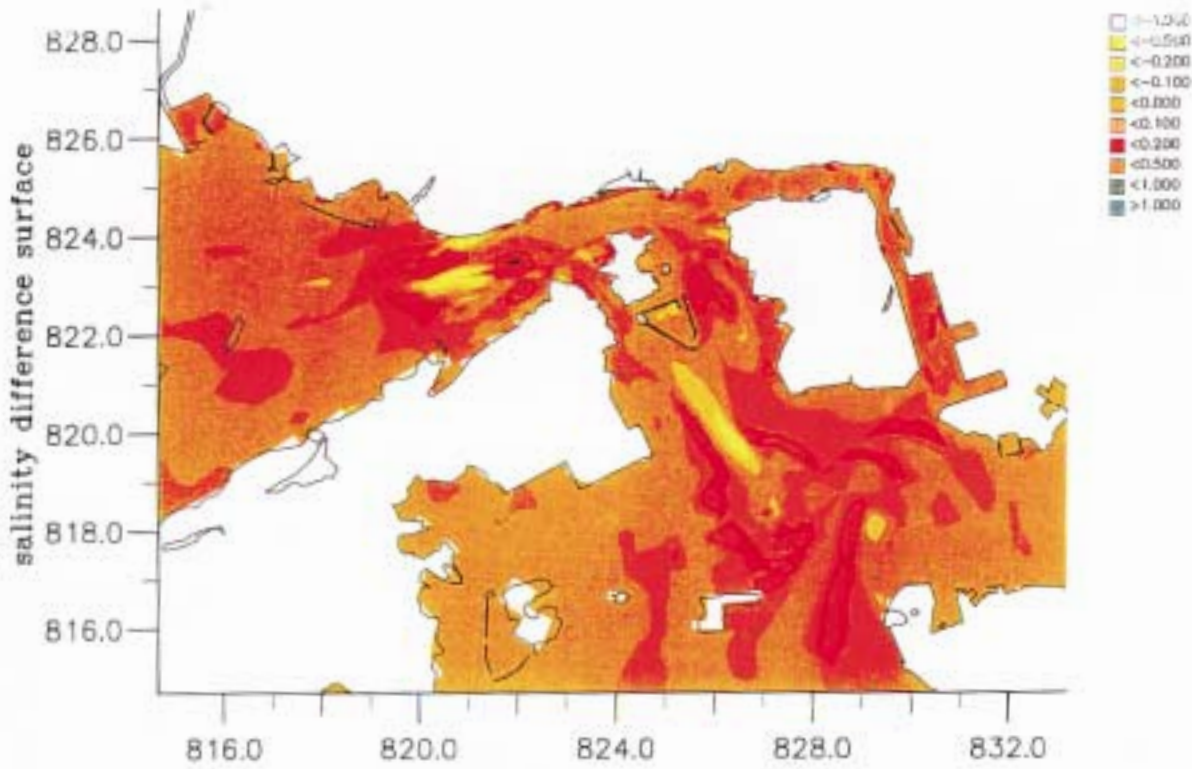
Date
日期

Status
現況



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PROJECTS	2002	2003	2004	2005	2006	2007
SHAM TSENG DEVELOPMENT						
DREDGING				—	—	
FILLING				—————		
TSEUN WAN BAY FURTHER RECLAMATION AT AREA 35						
DREDGING	—					
FILLING	—————					
BACKFILLING AT NORTH LANTAU AND SOUTH TSING YI						
FILLING (SCENARIO 4e)	—————					
CONTAINER TERMINAL NO.9						
MARINE WORKS	—————					
PENNY'S BAY RECLAMATION (STAGE I) (FOR HONG KONG DISNEYLAND)						
FILLING	—					
PENNY'S BAY RECLAMATION (STAGE II)						
DREDGING AND SEAWALL CONSTRUCTION	—————					
FILLING	—————					

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**Construction Programmes of
Various Major Construction /
Marine Works between 2002 and 2007**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

3.60

Designed
設計

Drawn
繪圖

Checked
校核

Scale
比例

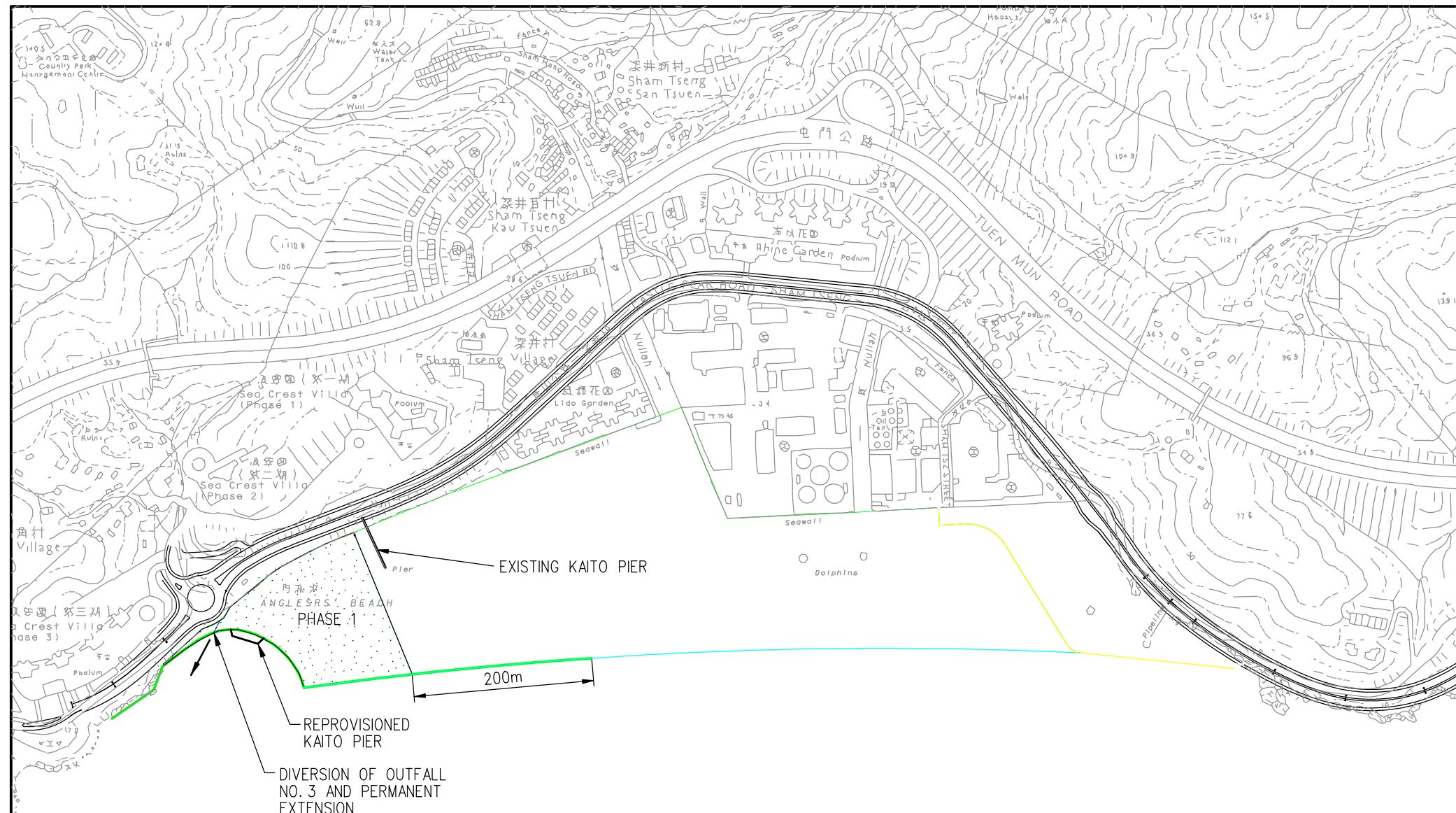
Approved
批准

Date
日期

Status
現況



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Civil Engineering
Department**



- Note:**
- Coordinates are based on The Hong Kong Metric Grid (1980).
 - Level refer to Principal Datum (P.D.) unless shown otherwise.

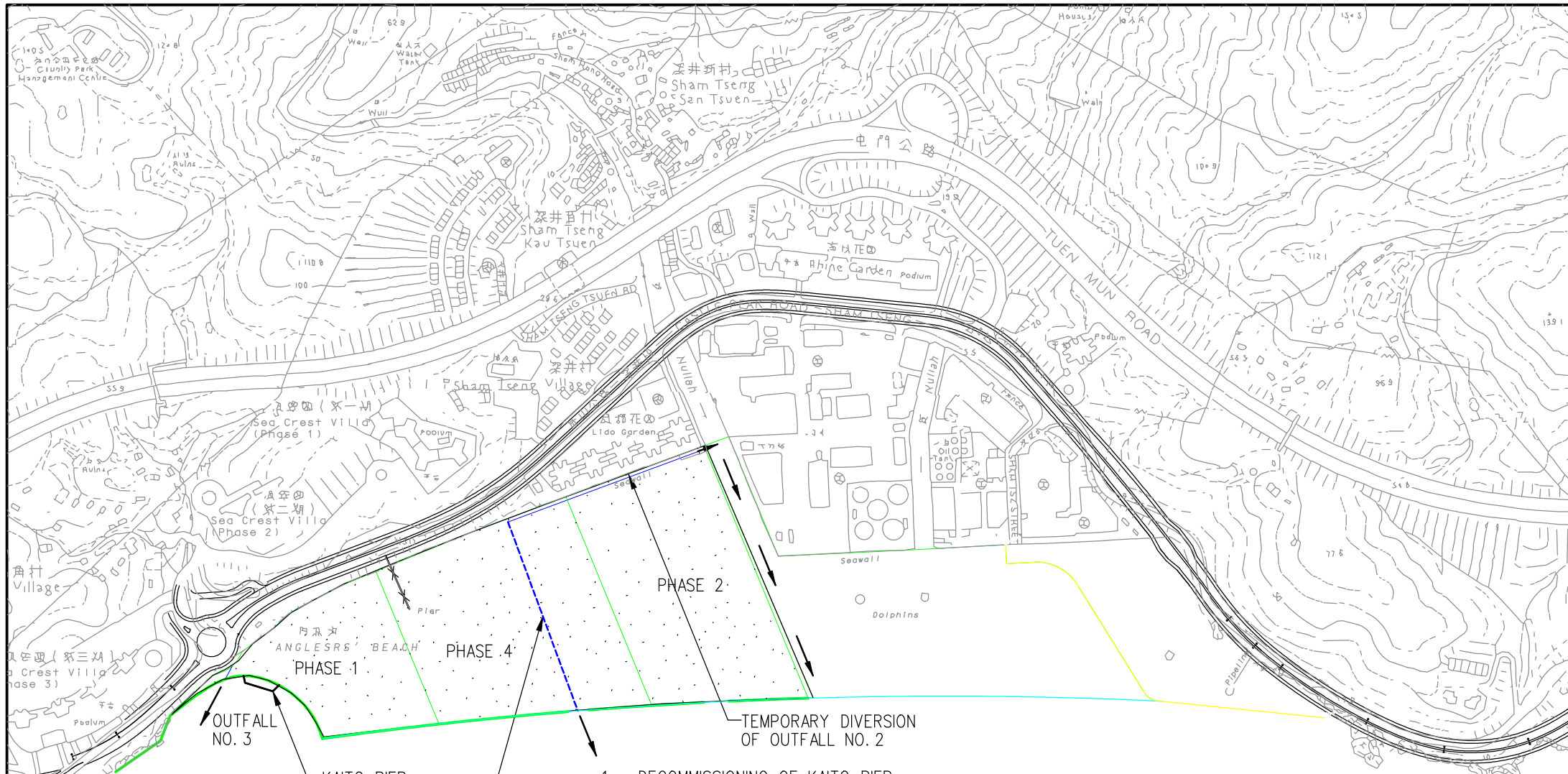
- DREDGING UNDERNEATH SEAWALL
- CONSTRUCTION OF SEAWALL AS SHOWN
- BACKFILL BEHIND SEAWALL
- DIVERSION AND PERMANENT EXTENSION OF OUTFALL NO. 3
- CONSTRUCTION OF KAITO PIER AND COMMISSIONING OF PIER

LEGEND :
 PERMANENT SEAWALL

Scott Wilson (Hong Kong) Ltd 偉信顧問(香港)有限公司 	PROPOSED RECLAMATION PHASE 1		DRAWING NO. 圖則編號		FIGURE 3.7a		CIVIL ENGINEERING DEPARTMENT HONG KONG 香港 土木工程署	
			DESIGNED 設計	CMO	DRAWN 繪圖	NYH		CHECKED 覆核
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT			APPROVED 批准		DATE 日期	7/00	STATUS 現況	PRELIMINARY

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- Note:
- Coordinates are based on The Hong Kong Metric Grid (1980).
 - Level refer to Principal Datum (P.D.) unless shown otherwise.

OUTFALL NO. 3
 KAITO PIER
 PHASE 1
 PHASE 2
 PHASE 4
 PERMANENT EXTENSION OF OUTFALL NO. 2 AFTER REMOVAL OF SURCHARGE
 TEMPORARY DIVERSION OF OUTFALL NO. 2

1. DECOMMISSIONING OF KAITO PIER
2. DREDGING UNDERNEATH TEMPORARY AND PERMANENT SEAWALL
3. CONSTRUCTION OF TEMPORARY SEAWALL
4. CONSTRUCTION OF PERMANENT SEAWALL AS SHOWN (WITH PROVISION OF MARINE INGRESS/EGRESS POINTS)
5. PLACEMENT OF SAND BLANKET (3M MIN.)
6. INSTALLATION OF VERTICAL DRAIN
7. PLACEMENT OF PUBLIC FILL UP TO +2.5MPD AND DIVERSION OF OUTFALL NO.2
8. PLACEMENT OF SELECTED FILL UP TO +5.5mPD
9. SURCHARGE
10. REMOVAL OF SURCHARGE
11. CONSTRUCTION OF PERMANENT EXTENSION OF OUTFALL NO.2

LEGEND :

———— PERMANENT SEAWALL

———— TEMPORARY SEAWALL

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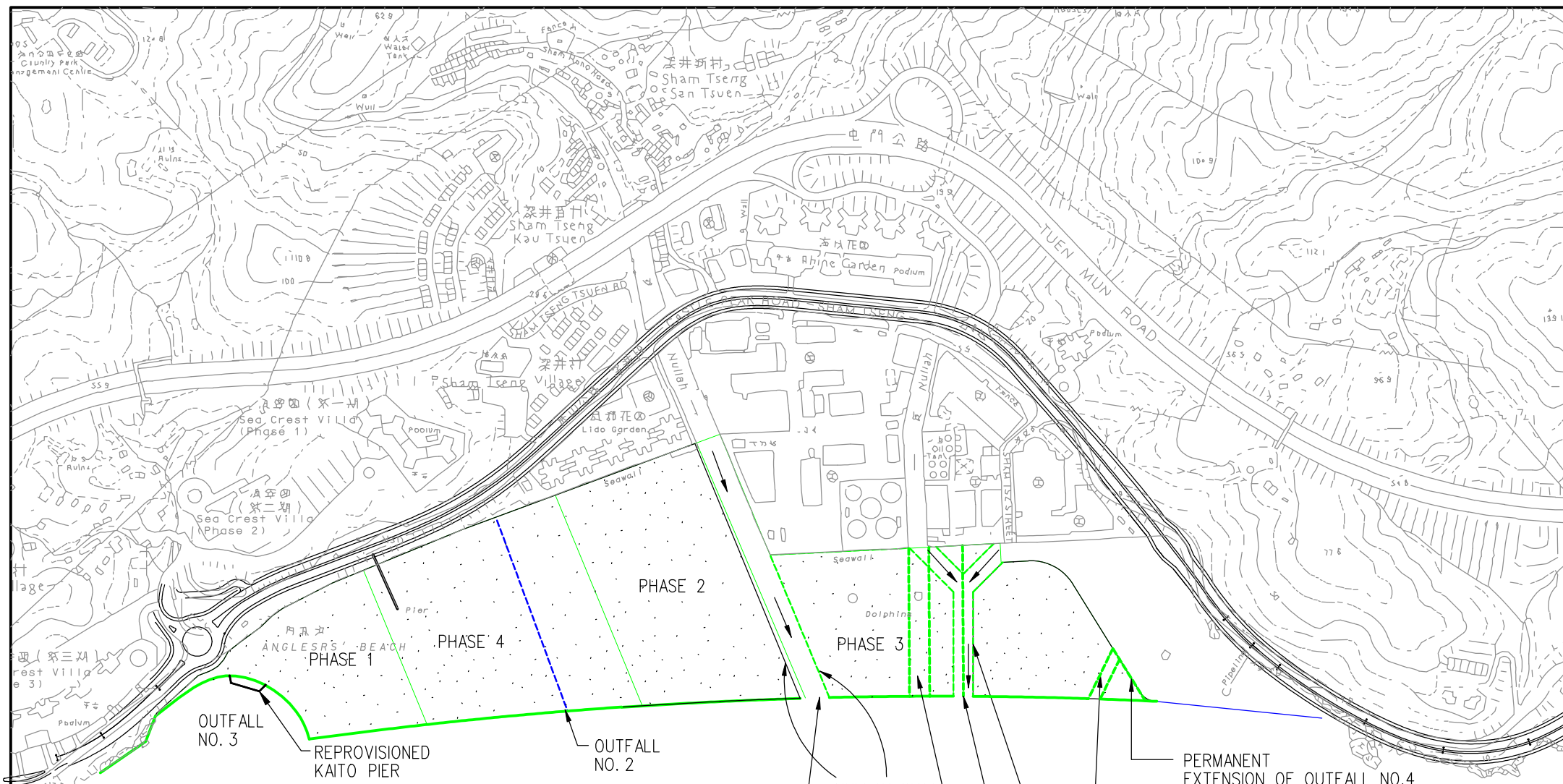
PLANNING AND ENGINEERING FEASIBILITY STUDY
 FOR SHAM TSENG DEVELOPMENT

PROPOSED RECLAMATION PHASE 2 & 4

DRAWING NO. 圖則編號		FIGURE 3.7b	
DESIGNED 設計 CMO	DRAWN 繪圖 NYH	CHECKED 複核 RLWK	SCALE 比例 1:5000
APPROVED 批准	DATE 日期 7/00	STATUS 現況 PRELIMINARY	

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 DEPARTMENT 香港
 HONG KONG 土木工程署

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- Note:
1. Coordinates are based on The Hong Kong Metric Grid (1980).
 2. Level refer to Principal Datum (P.D.) unless shown otherwise.

1. DREDGING UNDERNEATH SEAWALL
2. DIVERSION OF THE SHAM TSENG WEST NULLAH TO THE FINAL SHORELINE SHOULD TAKE PLACE PRIOR TO THE SEAWALL BLOCKS FOR PHASE 3 OF THE RECLAMATION IN ORDER TO AVOID THE DISCHARGE OF POLLUTED STORMWATER INTO EMBAYED WATER
3. PLACING OF SAND BLANKET
4. PLACING AT PUBLIC FILL UP TO I.L. OF TEMPORARY DIVERSION CHANNELS
5. CONSTRUCTION OF TEMPORARY DIVERSION CHANNELS WHILE TOPPING UP WITH PUBLIC FILL UP TO +2.5mPD
6. CONSTRUCTION OF NULLAH WALL, NULLAH DECK (EXTENSION OF EAST AND WEAT NULLAH)
7. DIVERTING THE DISCHARGE FROM OUTFALL NO.1 TO THE EAST NULLAH TEMPORARILY
8. CONSTRUCTION OF BOX CULVERT OF OUTFALL NO.1
9. CONSTRUCTION OF PIPE CULVERT OF OUTFALL NO.4
10. PLACEMENT OF SELECTED FILL UP TO +5.5mPD

LEGEND :

————— PERMANENT SEAWALL

----- TEMPORARY SEAWALL

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PLANNING AND ENGINEERING FEASIBILITY STUDY
 FOR SHAM TSENG DEVELOPMENT

PROPOSED RECLAMATION PHASE 3

DRAWING NO. 圖則編號		FIGURE 3.7c	
DESIGNED 設計 CMO	DRAWN 繪圖 NYH	CHECKED 複核 RLWK	SCALE 比例 1:5000
APPROVED 批准	DATE 日期 3/01	STATUS 現況 PRELIMINARY	

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 HONG KONG

香港
 土木工程署

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Locations of Noise Sensitive Receivers during Construction Phase

Drawing No. 圖則編號	4.3a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況


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SCALE 1:3000

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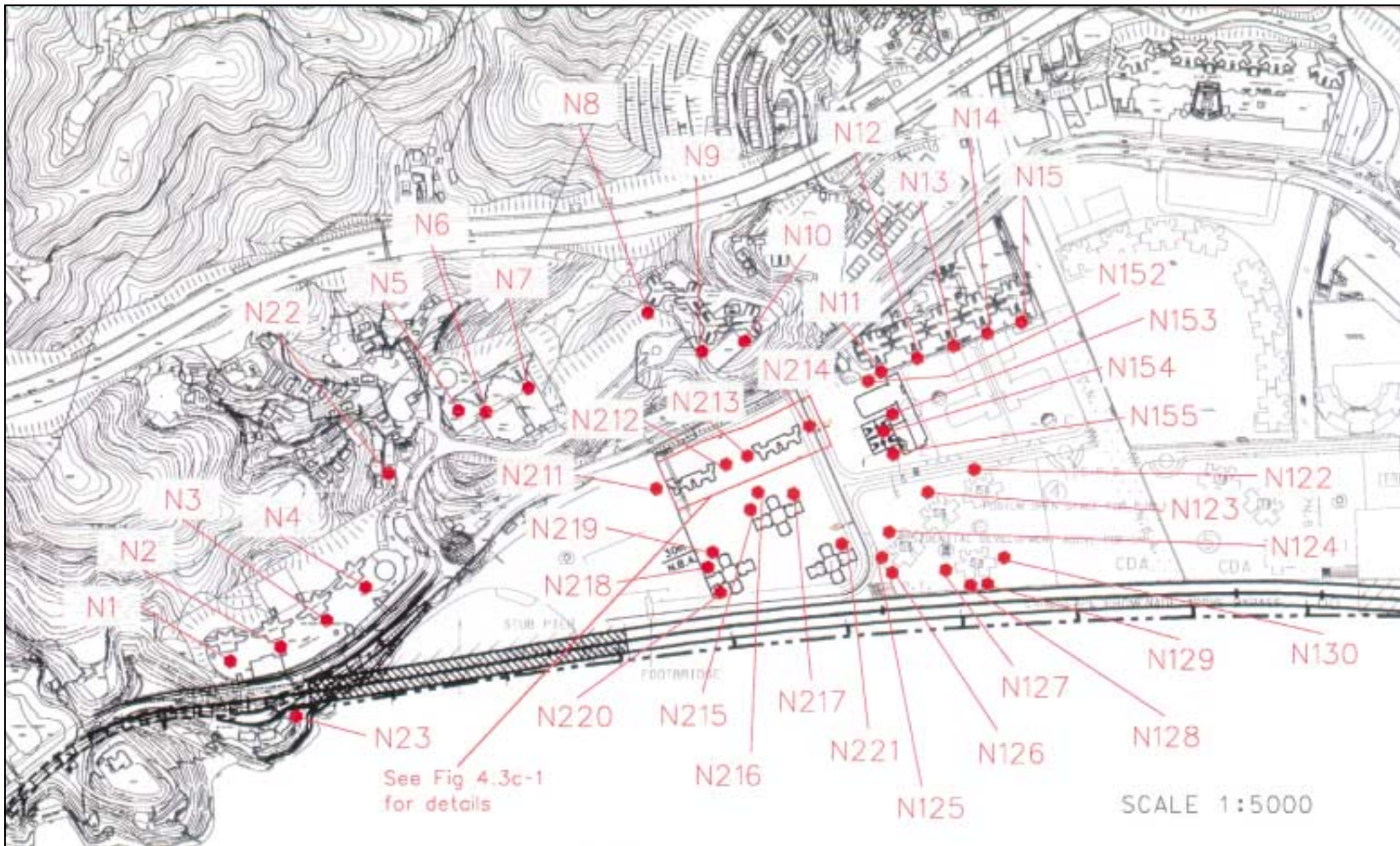


**Locations of Noise Sensitive Receivers
 during Construction Phase**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.3b		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況





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**Locations of Noise Sensitive Receivers
 during Operation Phase**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.3c		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況

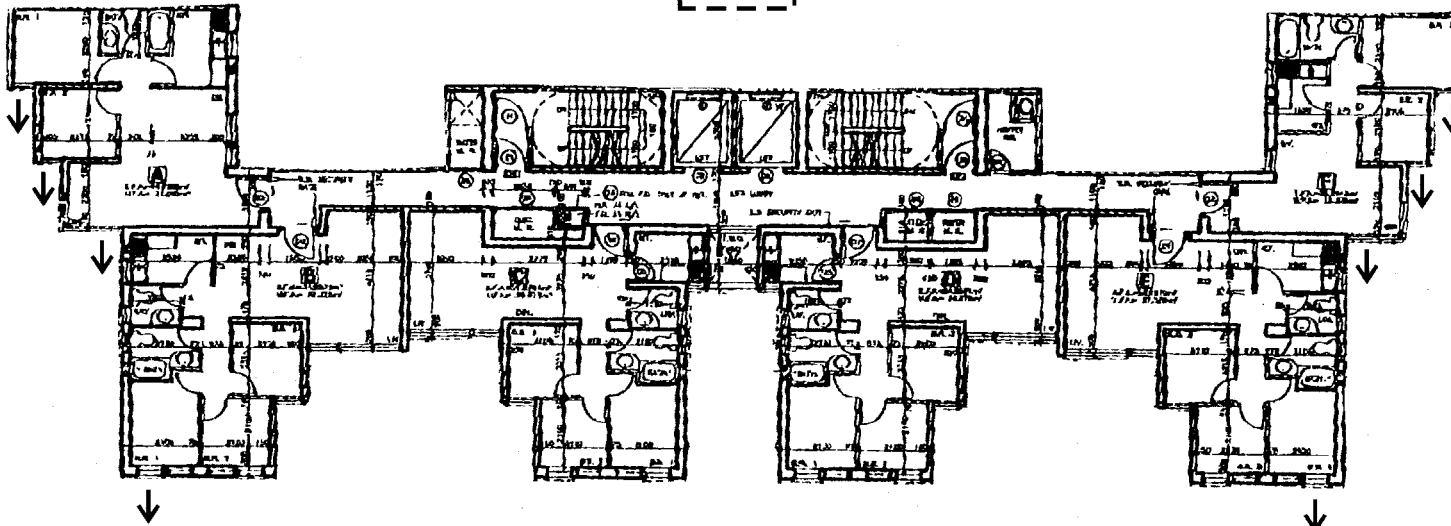


FACADE FACING CASTLE PEAK ROAD



OPENABLE
WINDOWS

N211 / N213



OPENABLE
WINDOWS

N212 / N214

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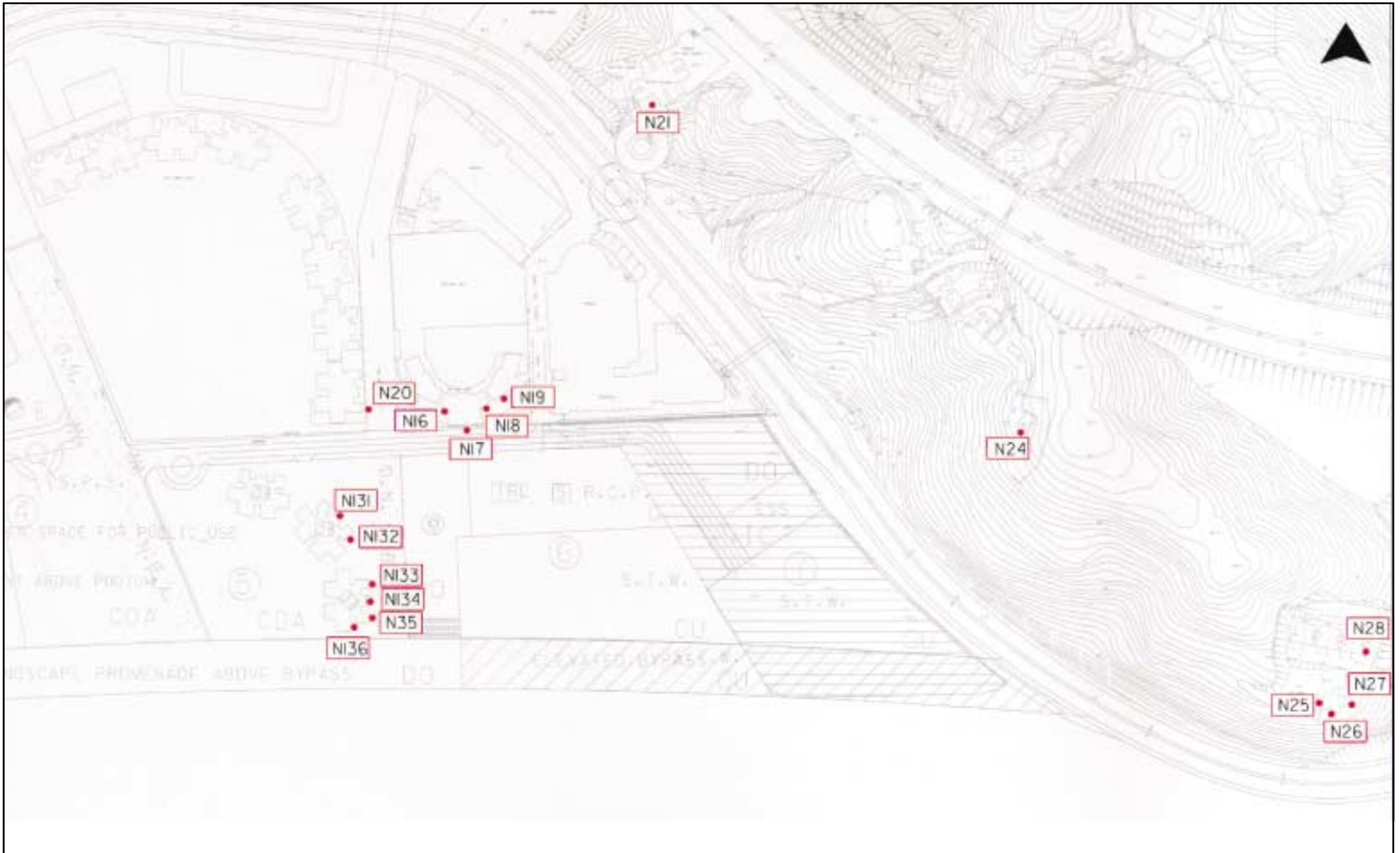


Location of Representative NSRs for
the Single Aspect Block at Site 2

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.3c-1		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Location of Noise Sensitive Receivers during Operational Phase

Drawing No. 圖則編號	4.3d		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況


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SCALE 1:3000

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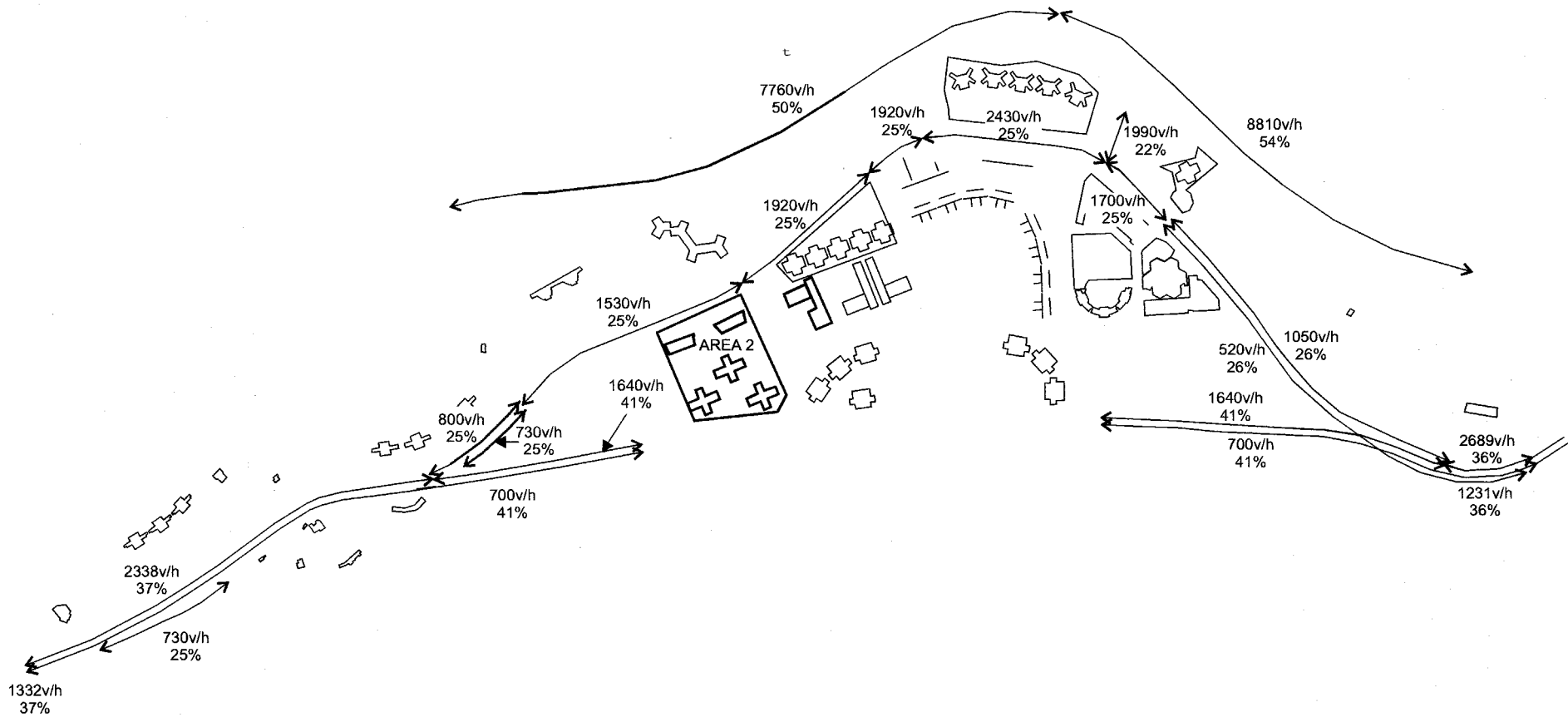


**Location of Noise Sensitive Receivers
 during Operational Phase**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.3e		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





KEY
 v/h = TRAFFIC FLOW in veh/hr
 % = % OF HEAVY VEHICLE

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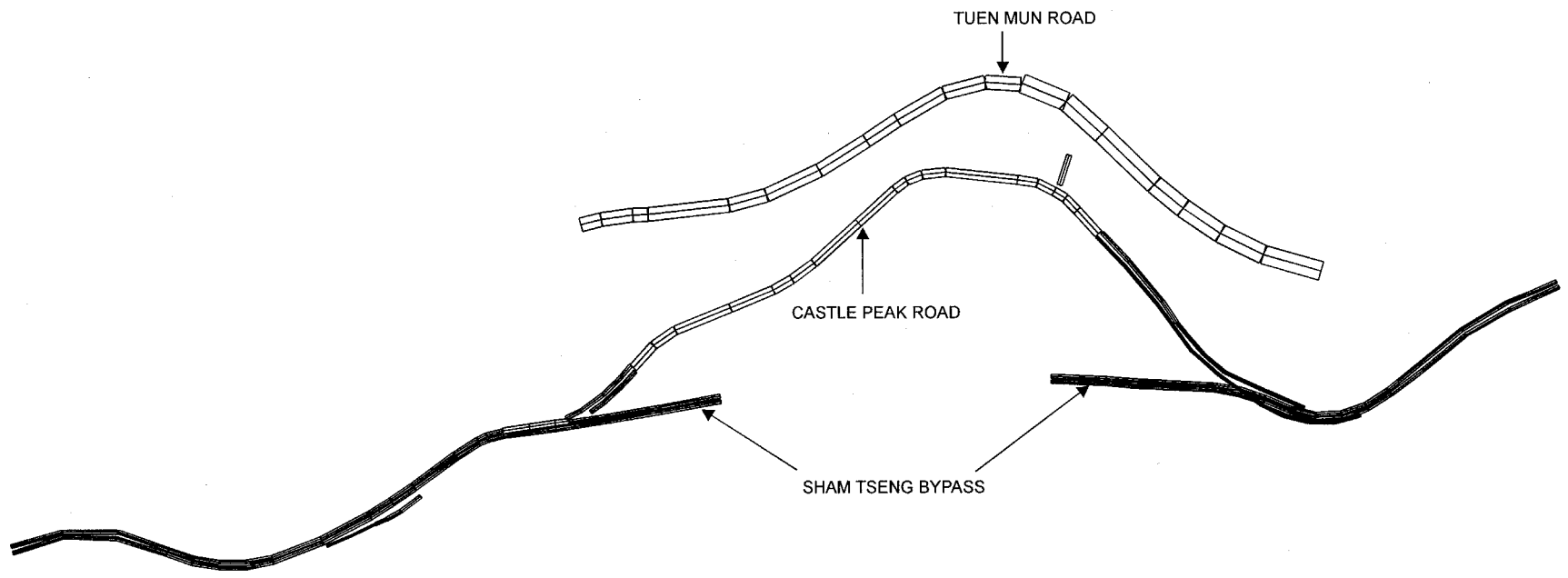


Projected Traffic Flow for
 the Year 2019 (Peak Hour)

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.4a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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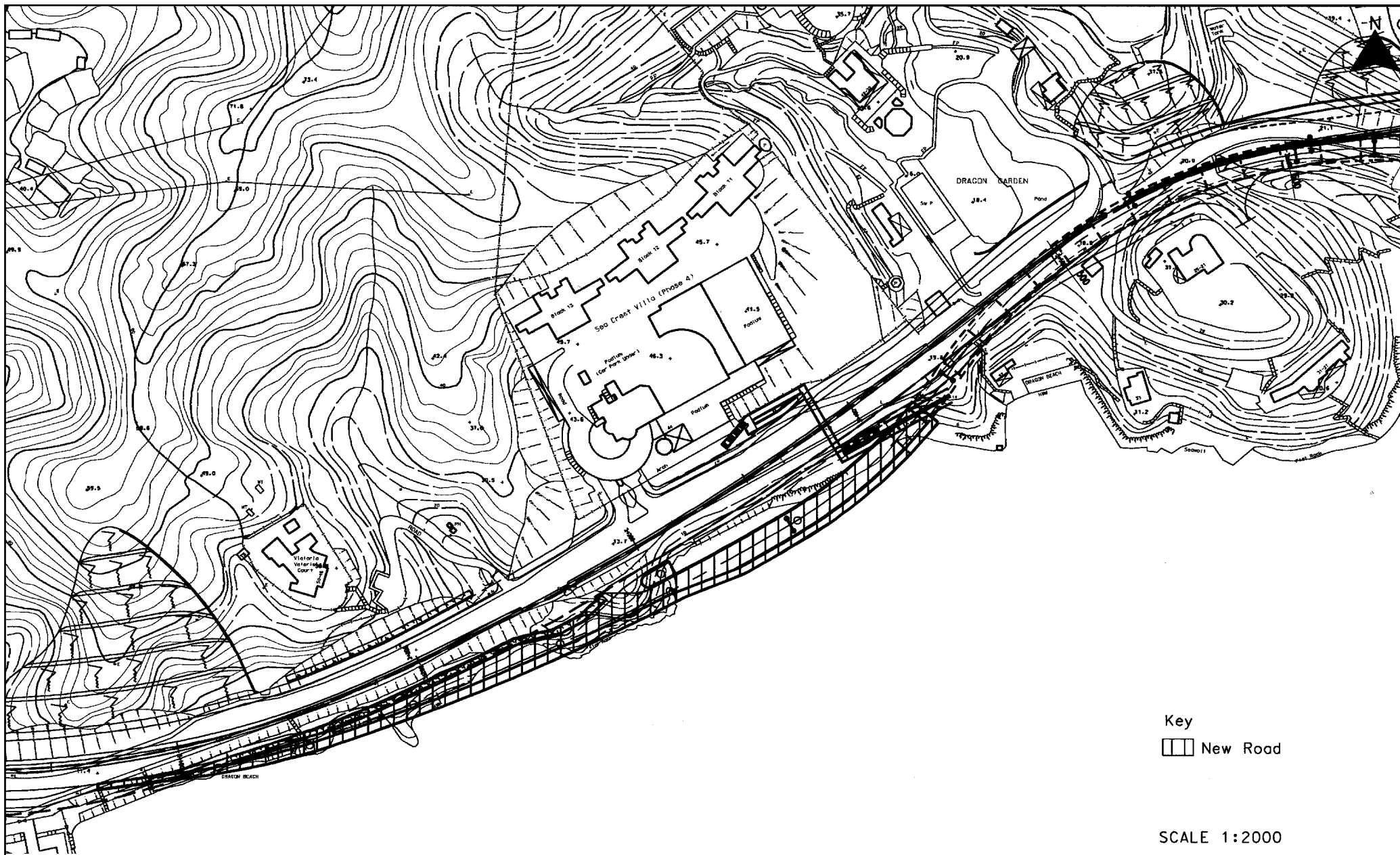
**A Computer Plot of
 Road Segments**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.4a-1		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況



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 Civil Engineering
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Key
 [Thick black line symbol] New Road

SCALE 1:2000

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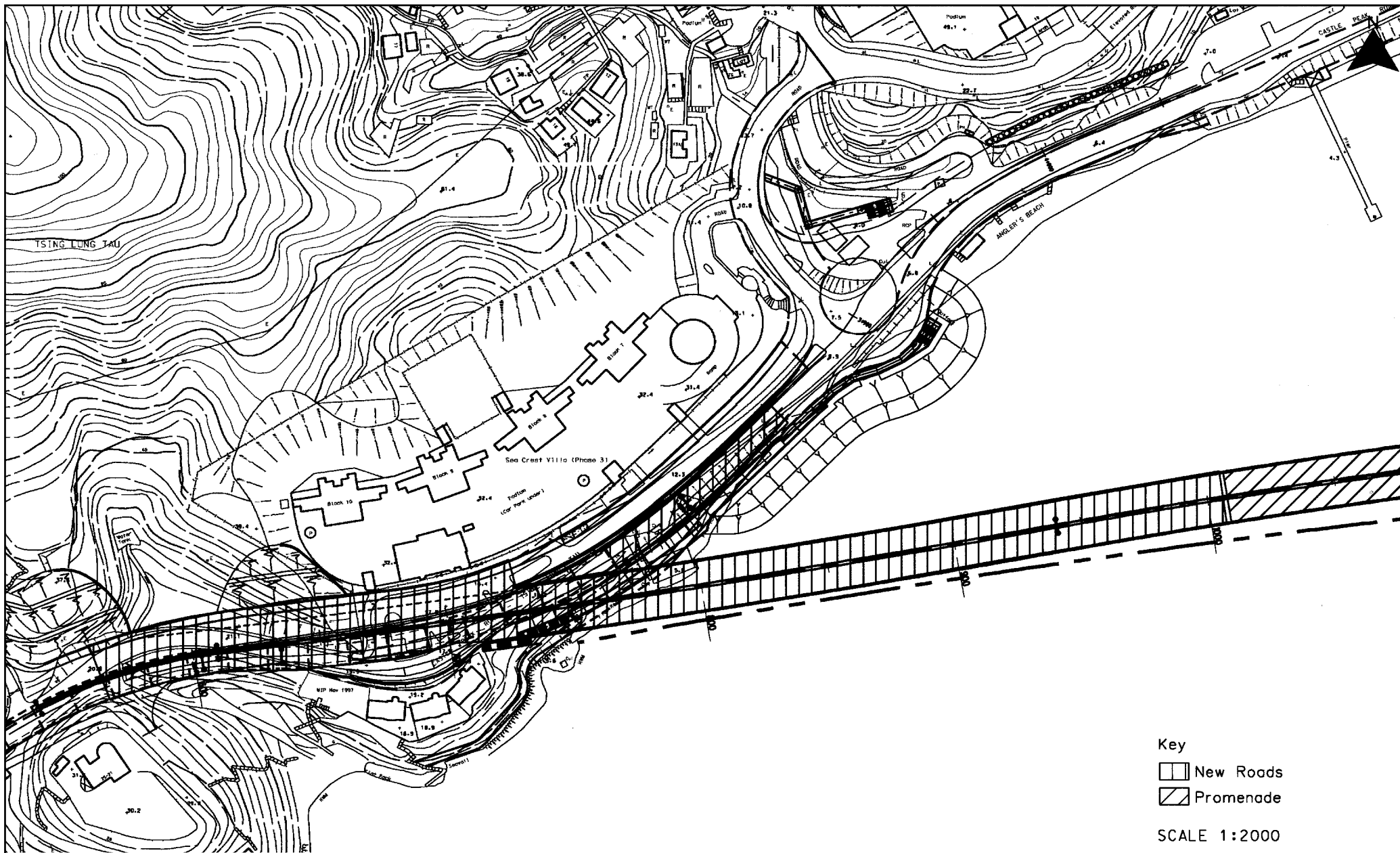


Location of New Roads

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.4b		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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Location of New Roads

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.4c		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





Key
 □ New Roads
 ▨ Promenade

SCALE 1:2000

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Location of New Roads





Drawing No. 圖則編號	4.4d		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況



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Key

-  3.5m Vertical Barrier
-  5m Vertical Barrier
-  Semi-enclosure with Cantilever 3m from Central Reserve
-  Promenade Extension

SCALE 1:2000

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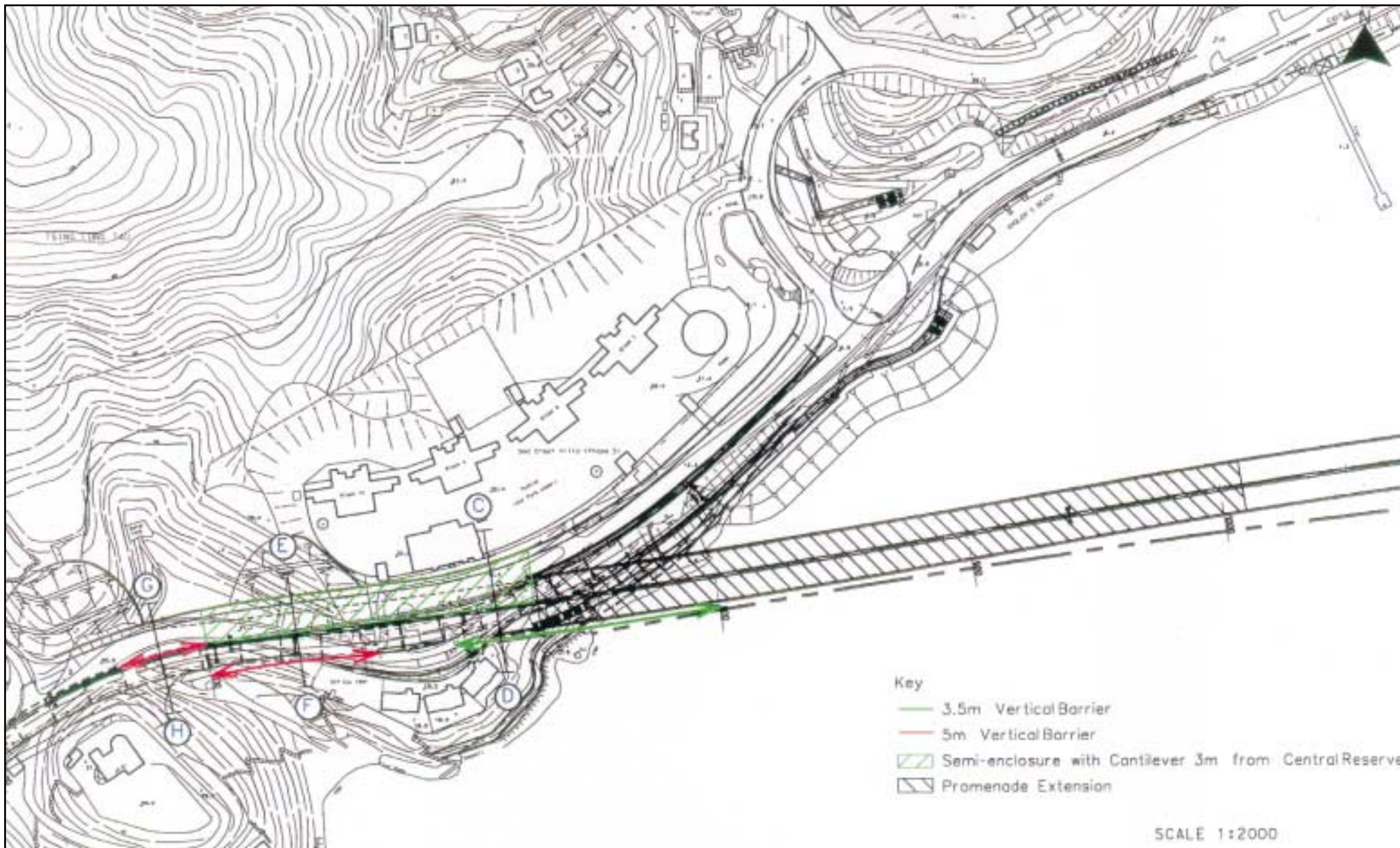
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Proposed Noise Mitigation Measures at the Western Connection

Drawing No. 圖則編號	4.7a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況



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Cross-section of the Proposed Noise Mitigation Measures at the Western Connection (Sections C-D, E-F, G-H)

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.7a-1		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況



PODIUM OF SEA
CREST VILLA
PHASE 3

3m

6m

3.5m

DD 387 LOT 99

KEY

SEMI-ENCLOSURE WITH
CANTILEVER 3m FROM
CENTRAL RESERVE
(130m LONG)

3.5m VERTICAL BARRIER
(100m LONG)

SLIP ROAD A
(EAST BOUND)

PROPOSED SHAM TSENG
BYPASS (WEST BOUND)

C

D

(NOT TO SCALE)

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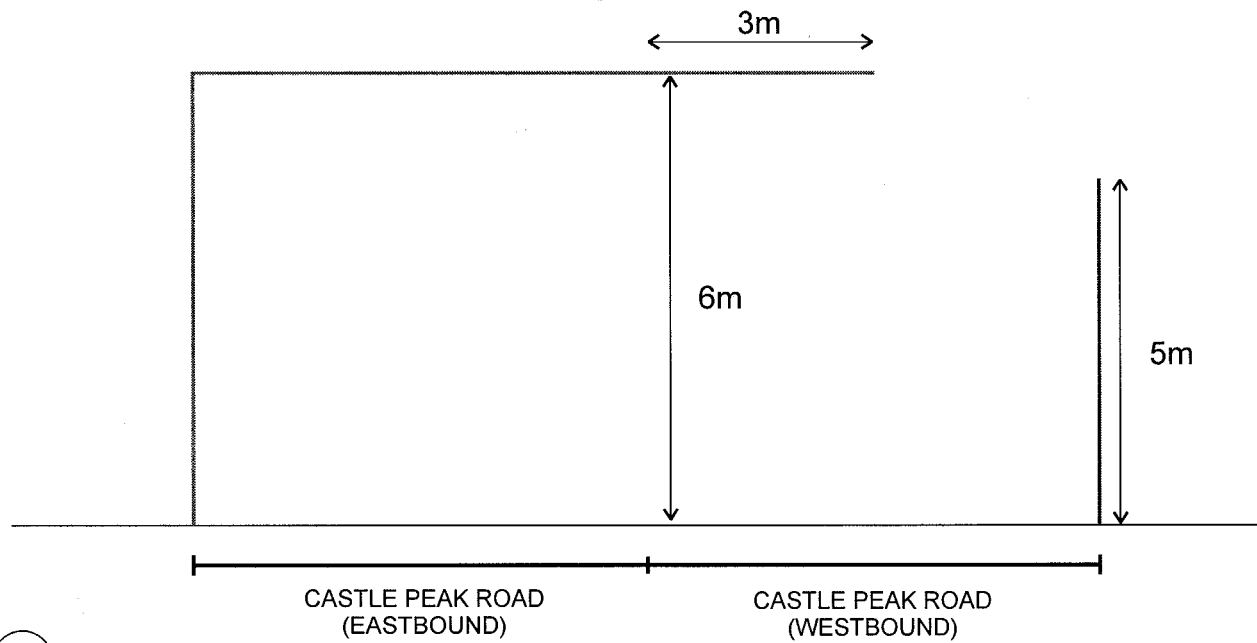
Drawing for the Cross-section C-D



PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.7a-2		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況



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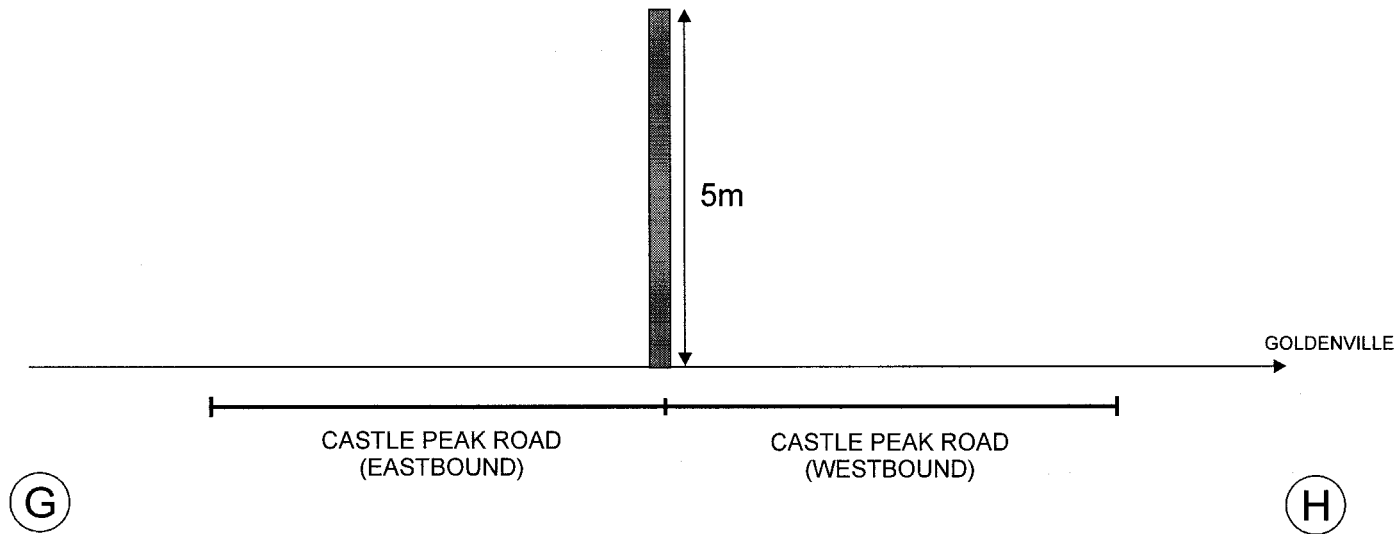


- KEY**
-  SEMI-ENCLOSURE WITH CANTILEVER 3m FROM CENTRAL RESERVE (130m LONG)
 -  5m VERTICAL BARRIER (50m LONG)

(NOT TO SCALE)

Drawing for the Cross-section E-F

Drawing No. 圖則編號	4.7a-3		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況



KEY
 5m VERTICAL BARRIER
 (30m LONG)

(NOT TO SCALE)

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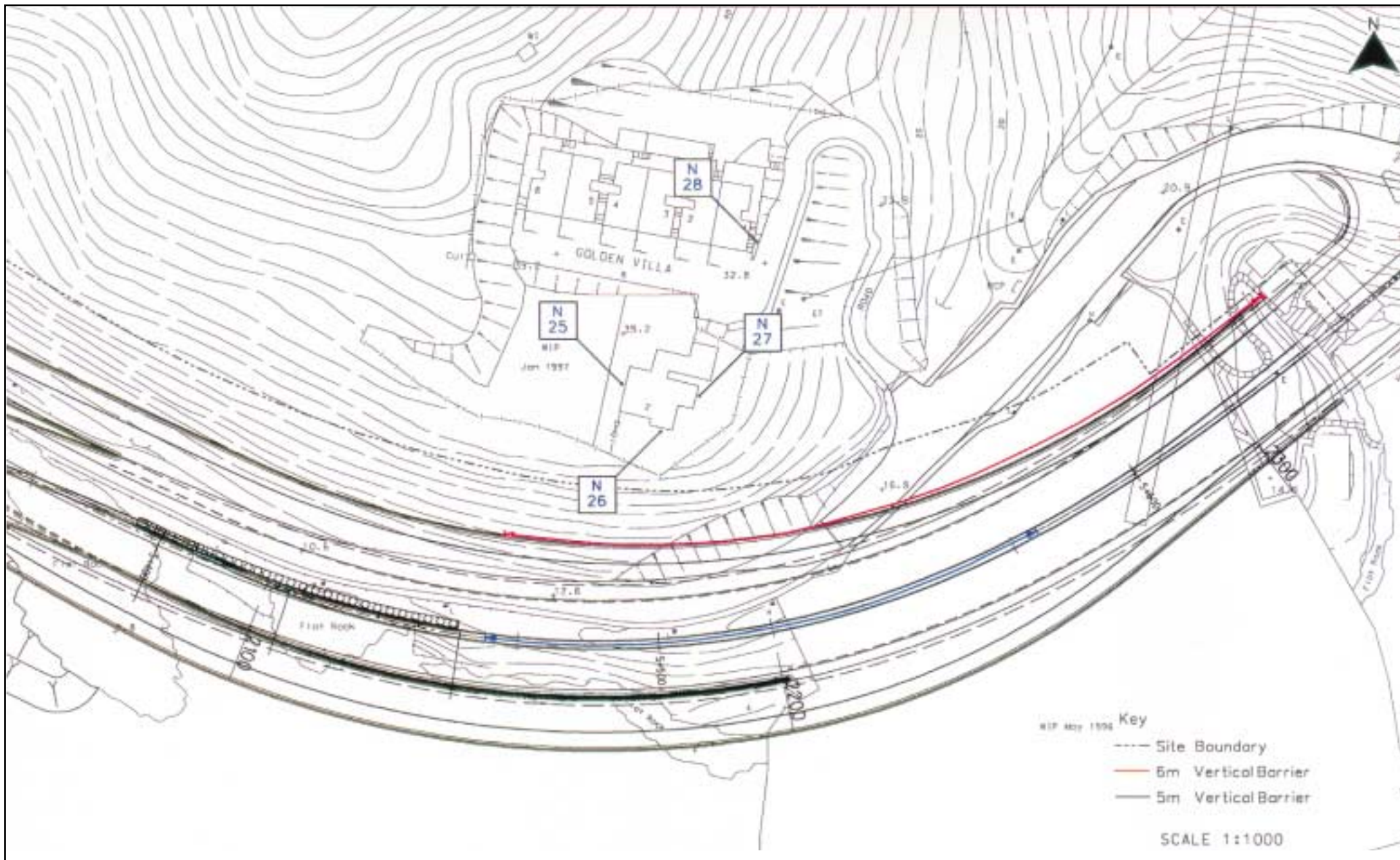


Drawing for the Cross-section G-H

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.7a-4		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況

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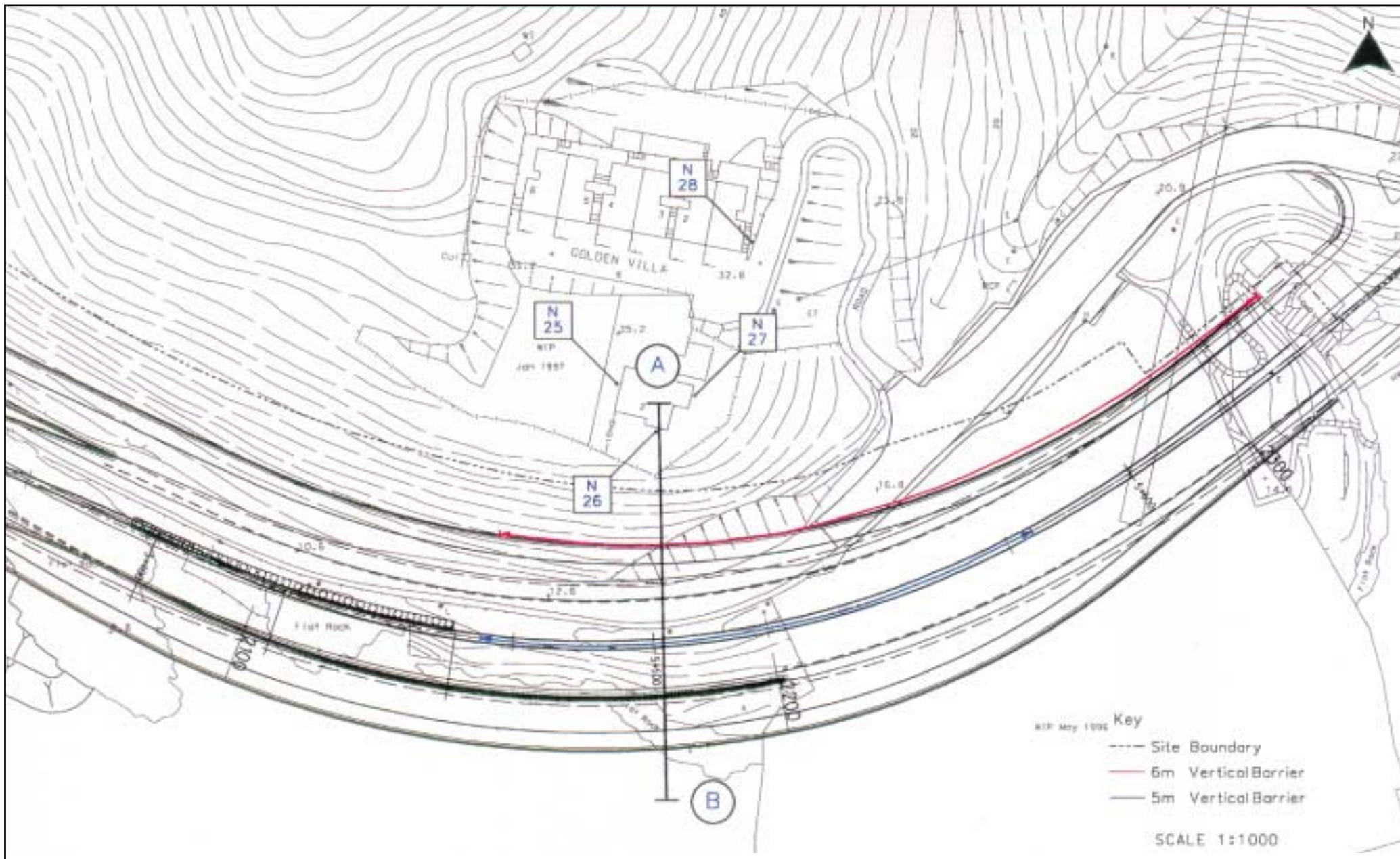


**Proposed Noise Mitigation Measures
 at the Eastern Connection**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.7b		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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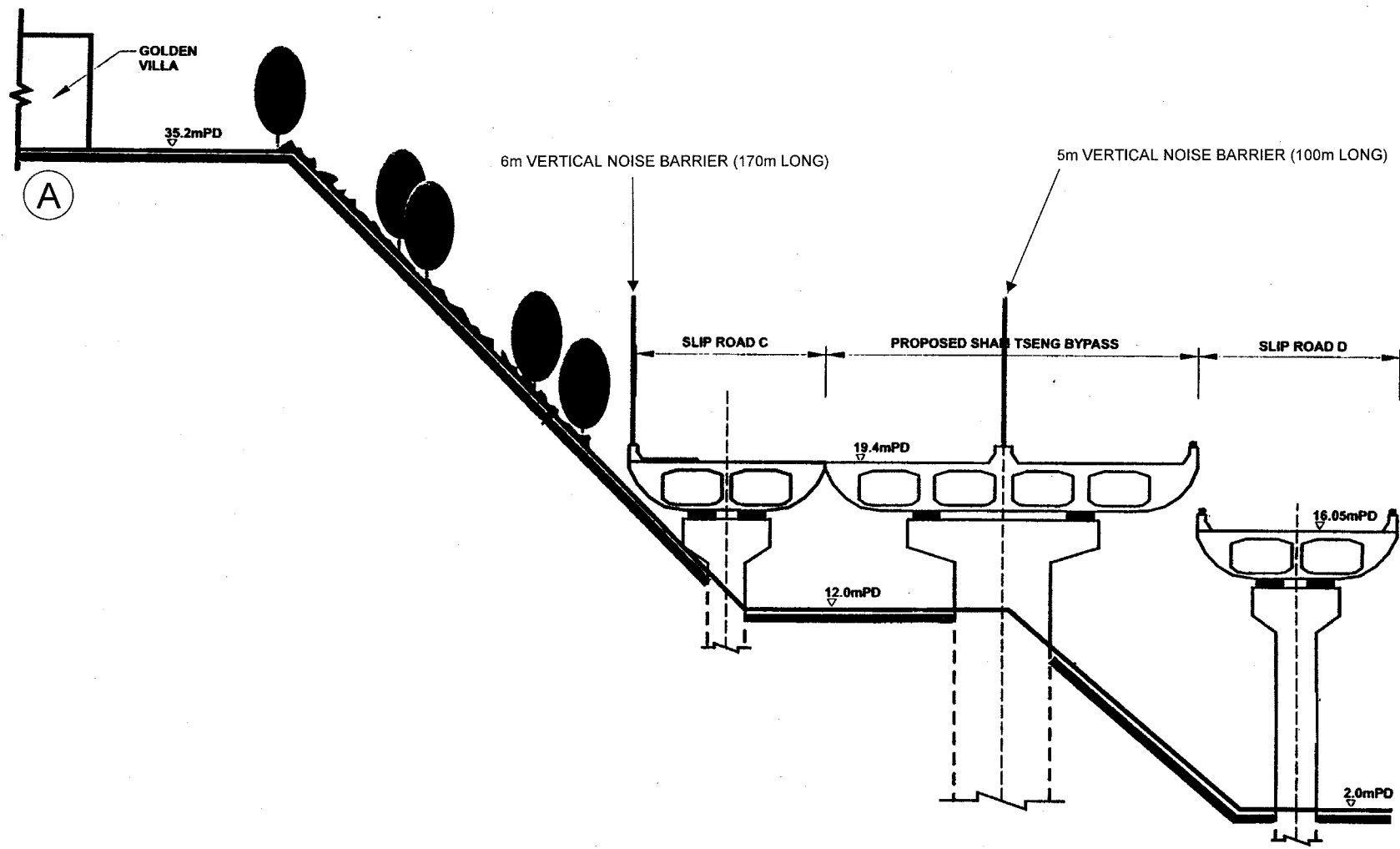


**Cross-section of the
 Proposed Noise Mitigation Measures
 at the Eastern Connection
 (section A-B)**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.7b-1		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





B

(NOT TO SCALE)

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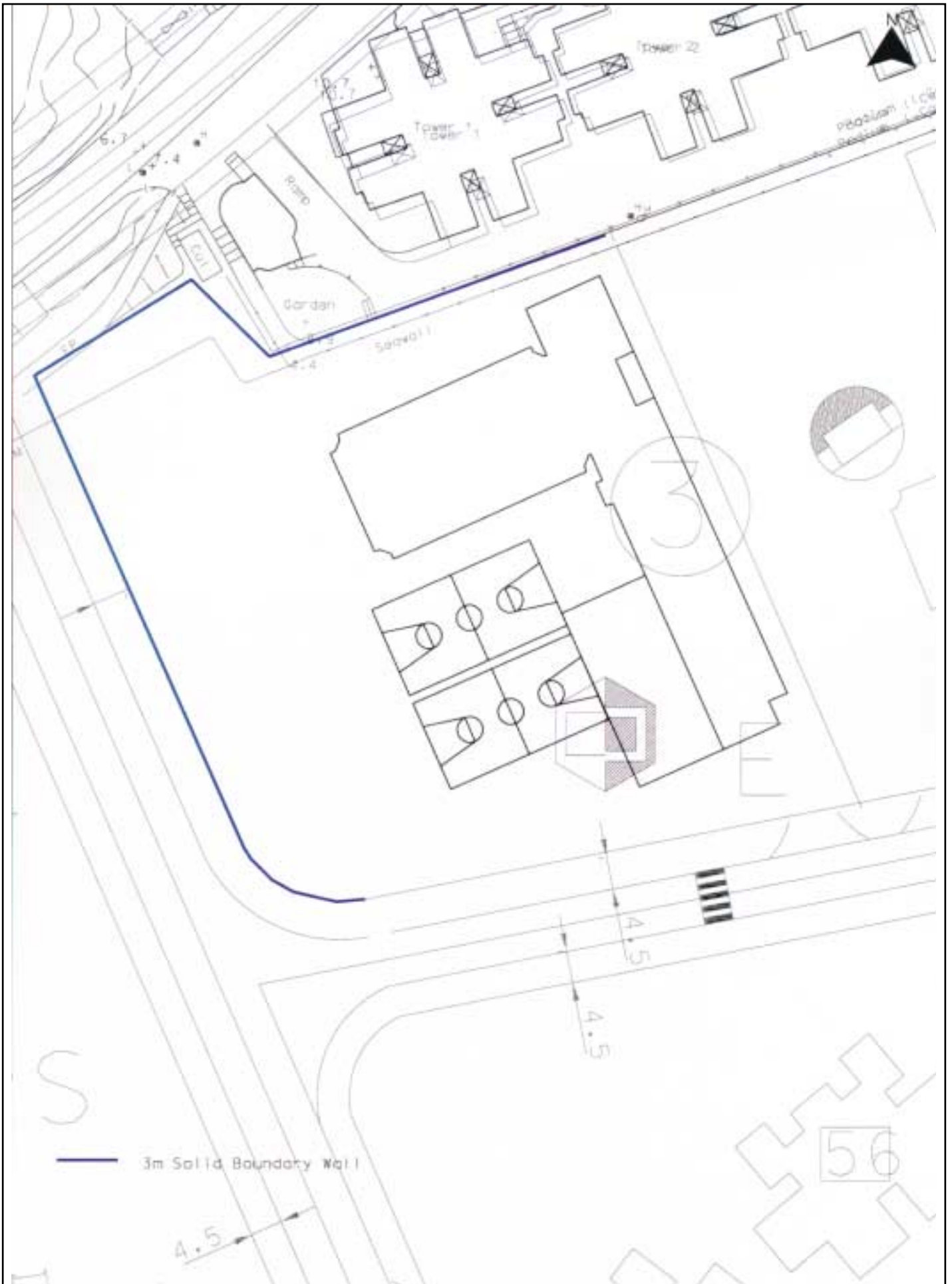
Drawing for the Cross-section A-B



PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

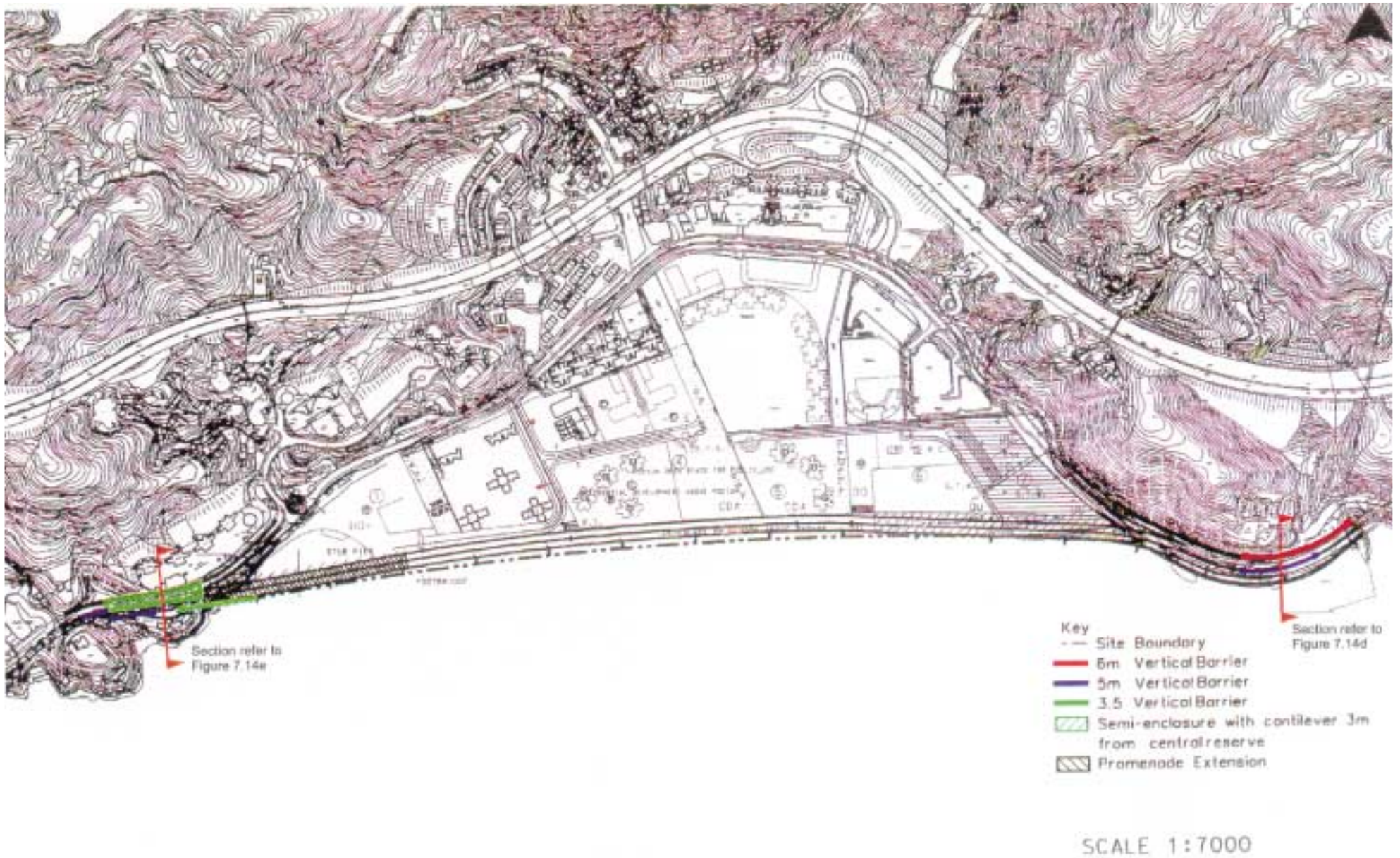
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Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況



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 Civil Engineering
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	PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT	Drawing No. 圖則編號	4.7c			 土木工程署 Civil Engineering Department
	Mitigation Measure Considered for the Proposed Secondary School	Designed 設計	Drawn 繪圖	Checked 覆核	Scale 比例	
		Approved 批准	Date 日期		Status 現況	



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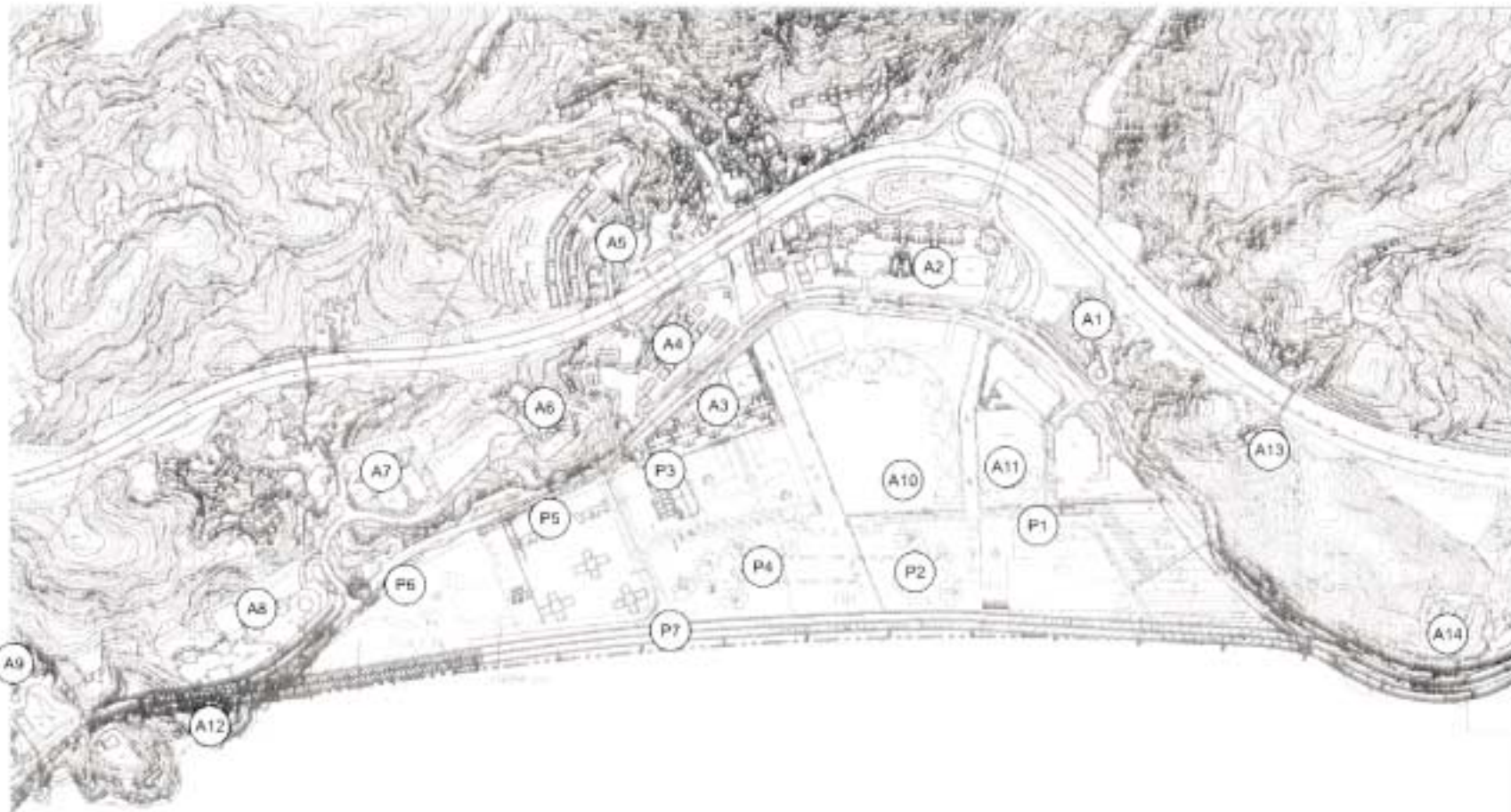


Proposed Noise Mitigation Measures

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	4.7d		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





- KEY**
- A1 RHINE TERRACE
 - A2 RHINE GARDEN
 - A3 LIDO GARDEN
 - A4 SHAM TSENG VILLAGE
 - A5 SHAM TSENG KAU TSUEN
 - A6 SEA CREST VILLA (PHASE I)
 - A7 SEA CREST VILLA (PHASE II)
 - A8 SEA CREST VILLA (PHASE III)
 - A9 SEA CREST VILLA (PHASE IV)
 - A10 PROPOSED RESIDENTIAL DEVELOPMENT AT SAN MIGUEL BREWERY
 - A11 PROPOSED RESIDENTIAL DEVELOPMENT AT UNION CARBIDE
 - A12 DO 367 LOT 89
 - A13 SHAM TSENG TUNG TSUEN
 - A14 GOLDEN VILLA
 - P1 PROPOSED RC/SWQ BUILDING ON THE RECLAMATION
 - P2 PROPOSED CDA SITE AT AREA 5 ON THE RECLAMATION
 - P3 PROPOSED SCHOOL ON THE RECLAMATION
 - P4 PROPOSED RESIDENTIAL DEVELOPMENT AT AREA 4 ON THE RECLAMATION
 - P5 PROPOSED HQS/SPS DEVELOPMENT ON THE RECLAMATION
 - P6 PROPOSED WESTERN COASTAL PARK ON THE RECLAMATION
 - P7 PROMENADE ABOVE THE THE PROPOSED SHAM TSENG BYPASS

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Locations of ASRs for Sham Tseng Development

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	5.3a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況



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 Civil Engineering
 Department**



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Locations of ASRs

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

5.3b

Designed
設計

Drawn
繪圖

Checked
校核

Scale
比例

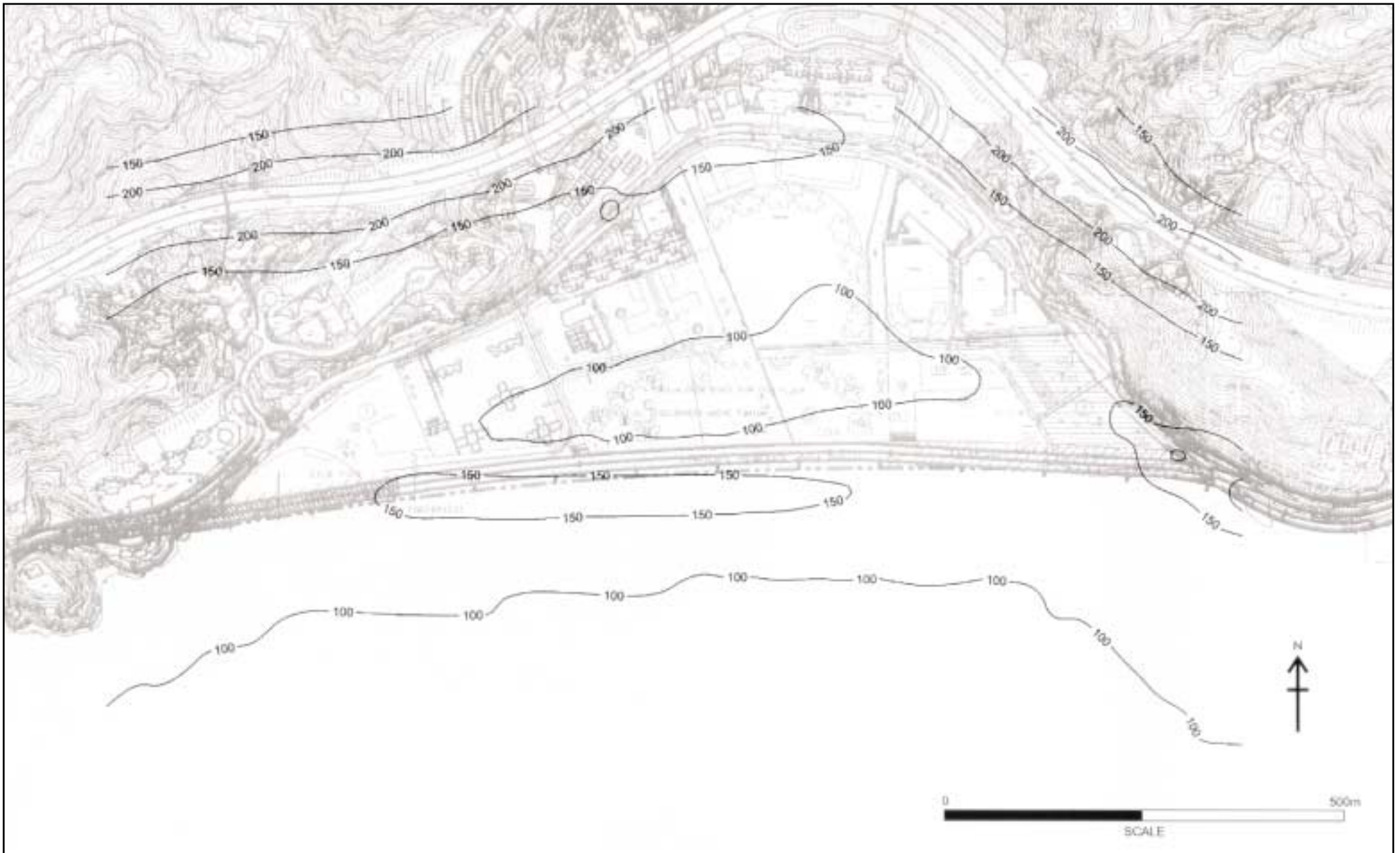
Approved
批准

Date
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Status
現況



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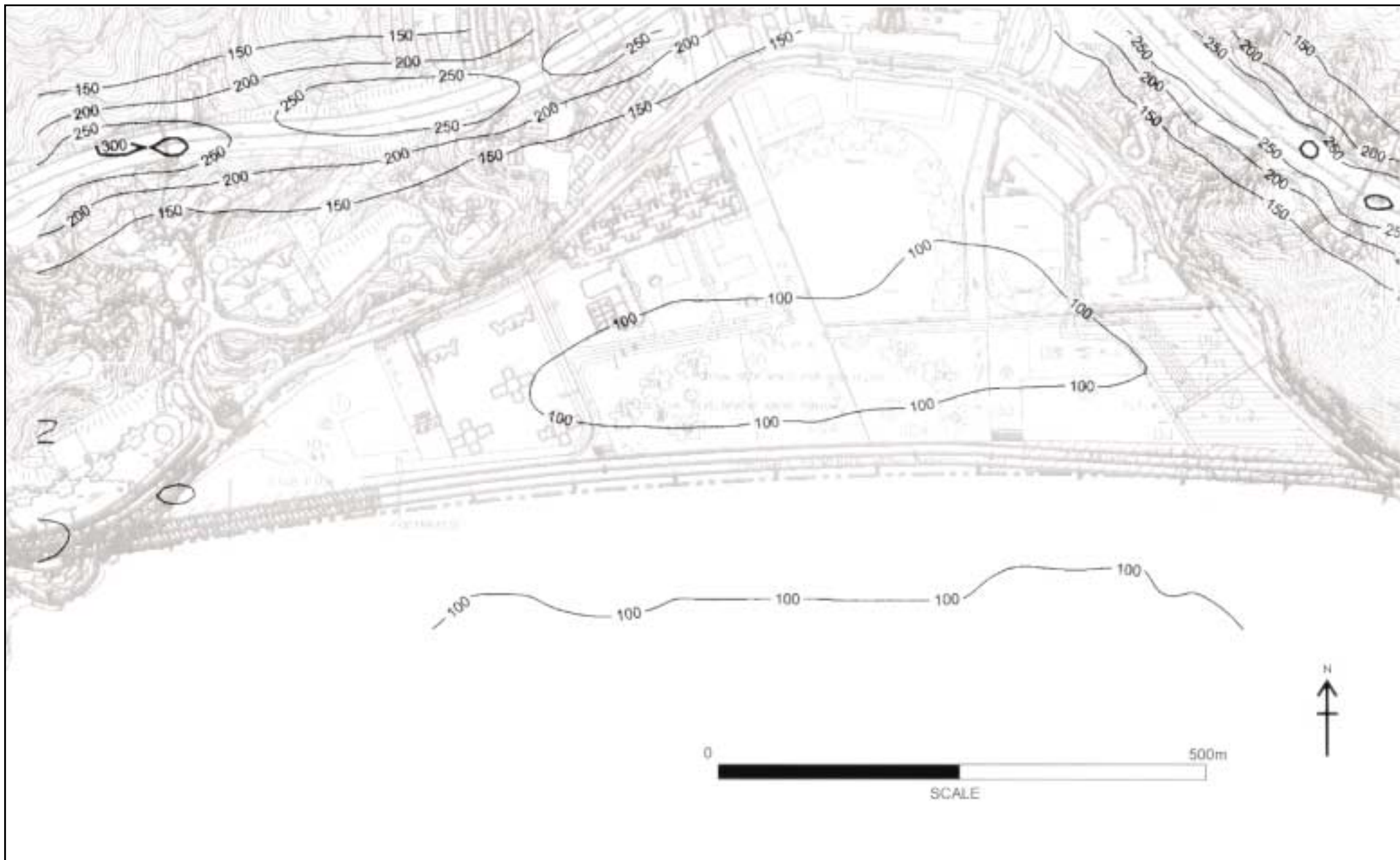


**Contour Plot of Cumulative
 Hourly NO₂ at Ground Level**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	5.6a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況





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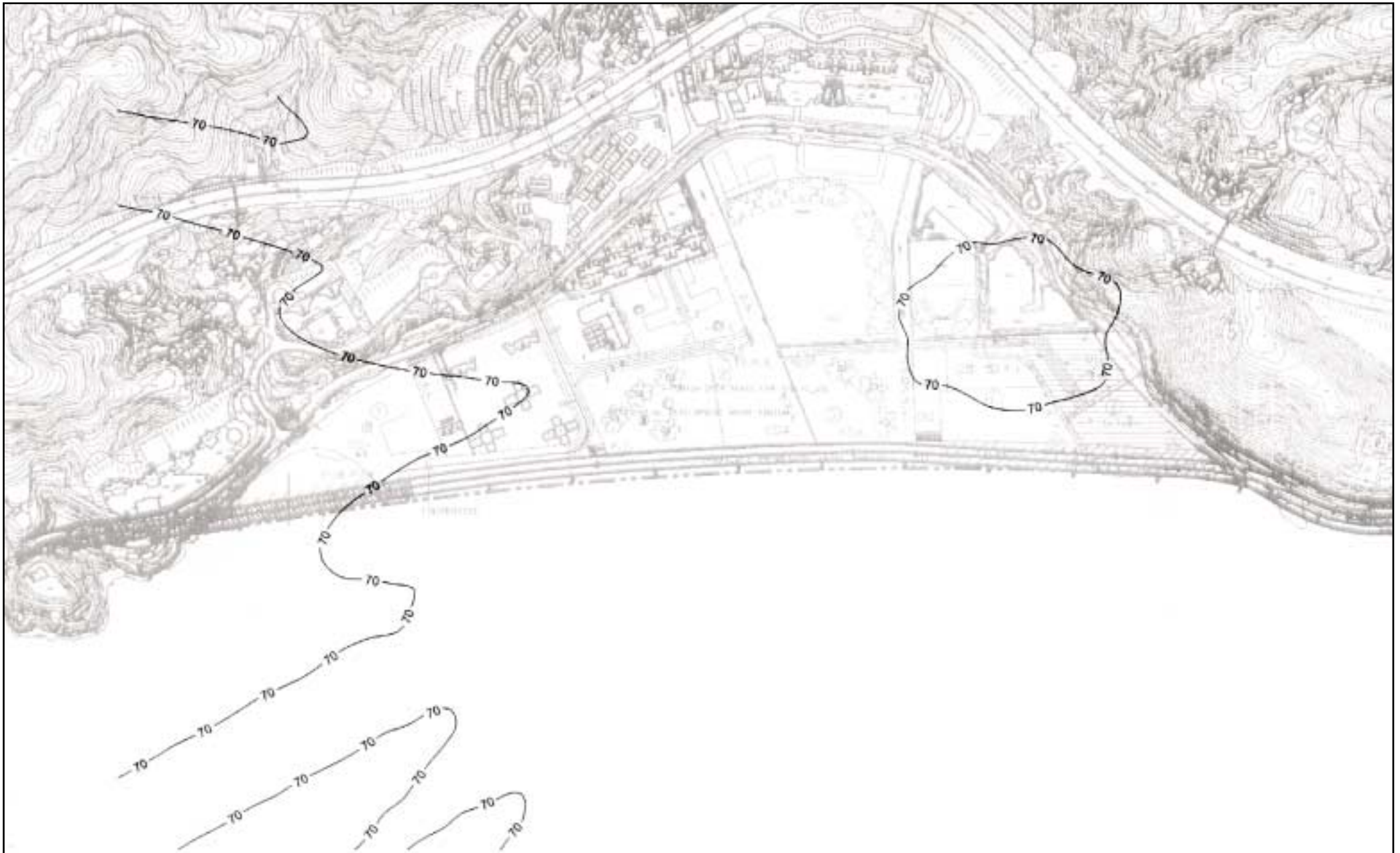


**Contour Plot of Cumulative
 Hourly NO₂ at 10m**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	5.6b		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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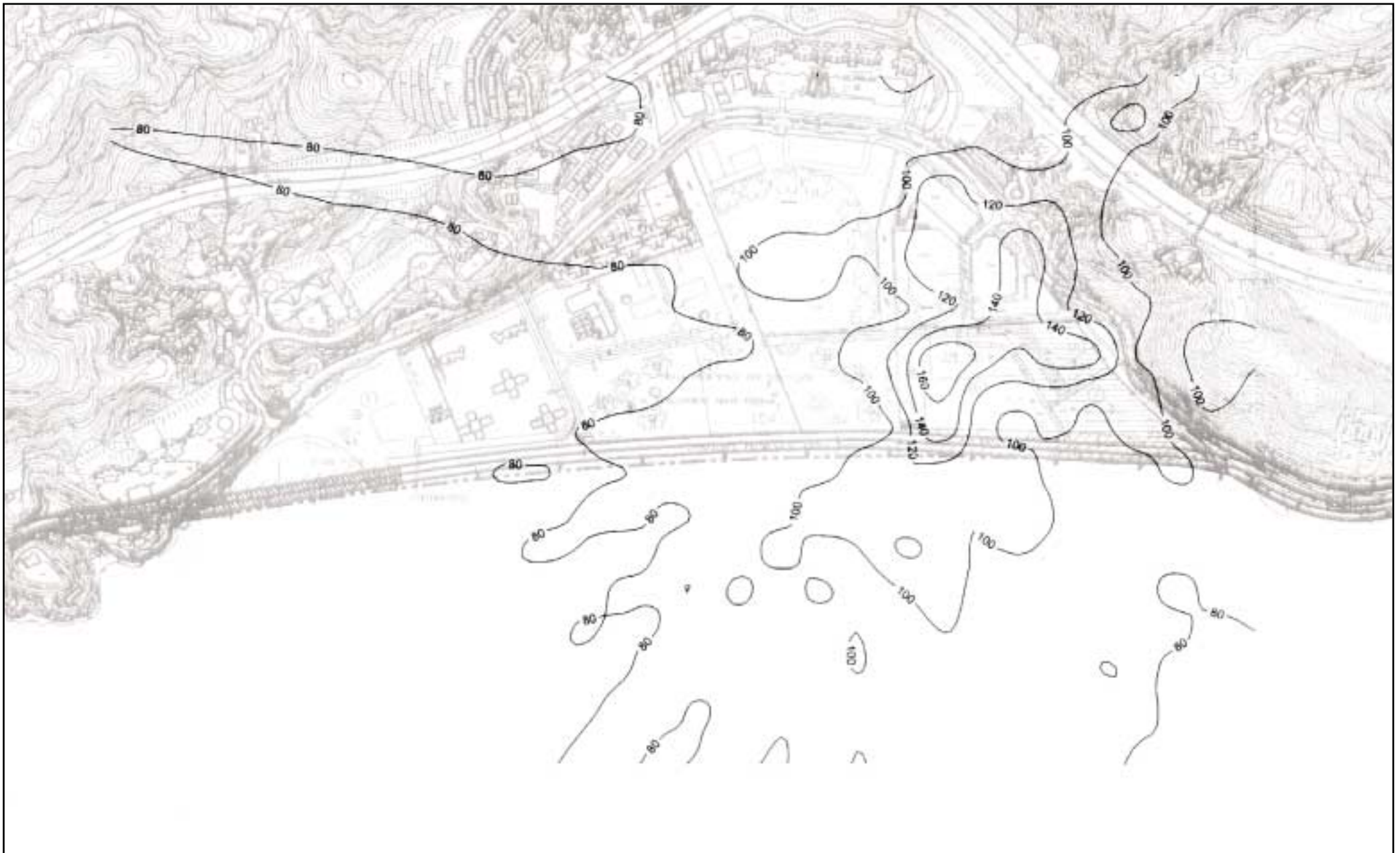


**Contour Plot of Cumulative
 Hourly NO₂ at 30m**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	5.6c		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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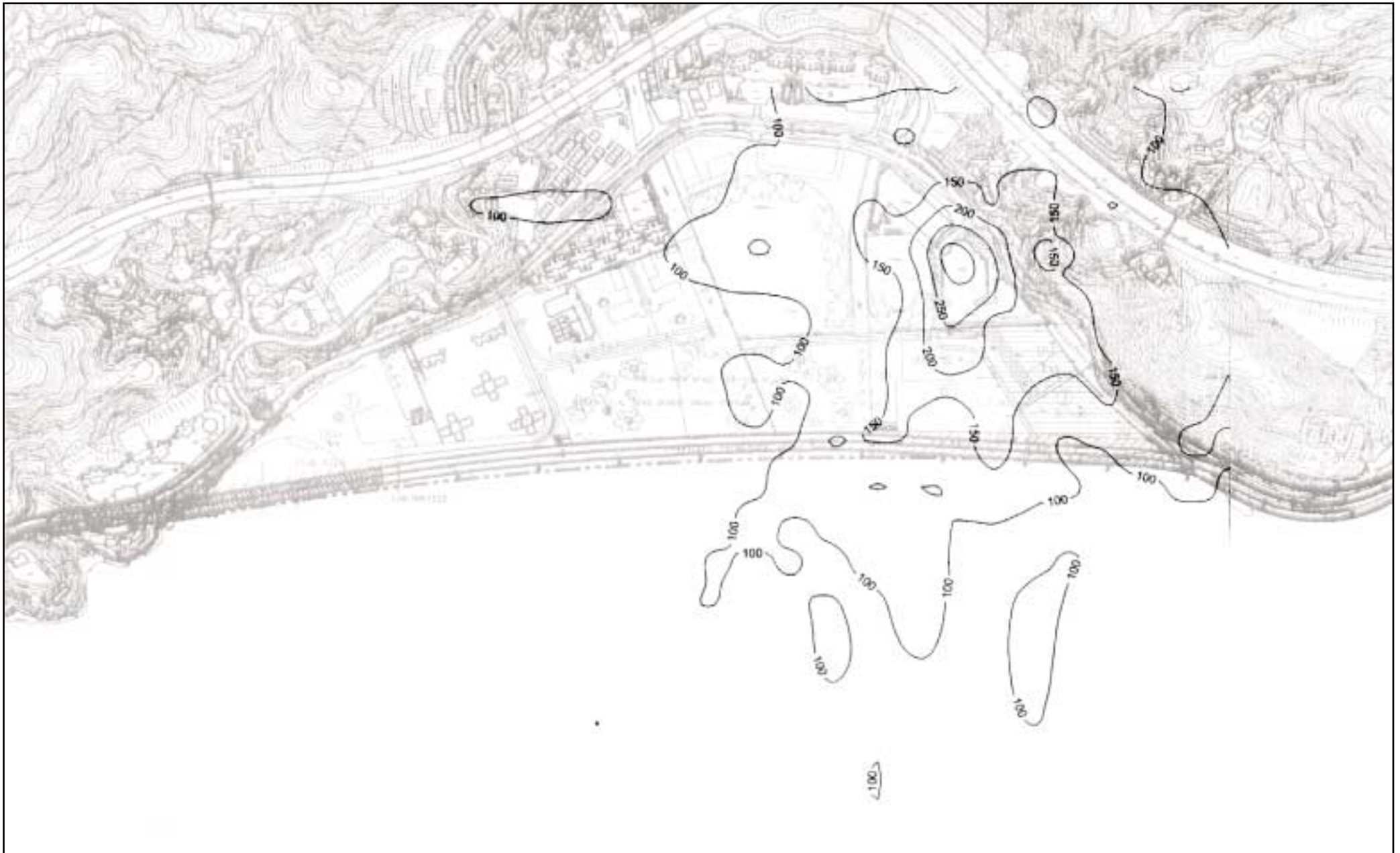


PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Contour Plot of Cumulative
 Hourly NO₂ at 70m**

Drawing No. 圖則編號	5.6d		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





Scott Wilson (Hong Kong) Ltd
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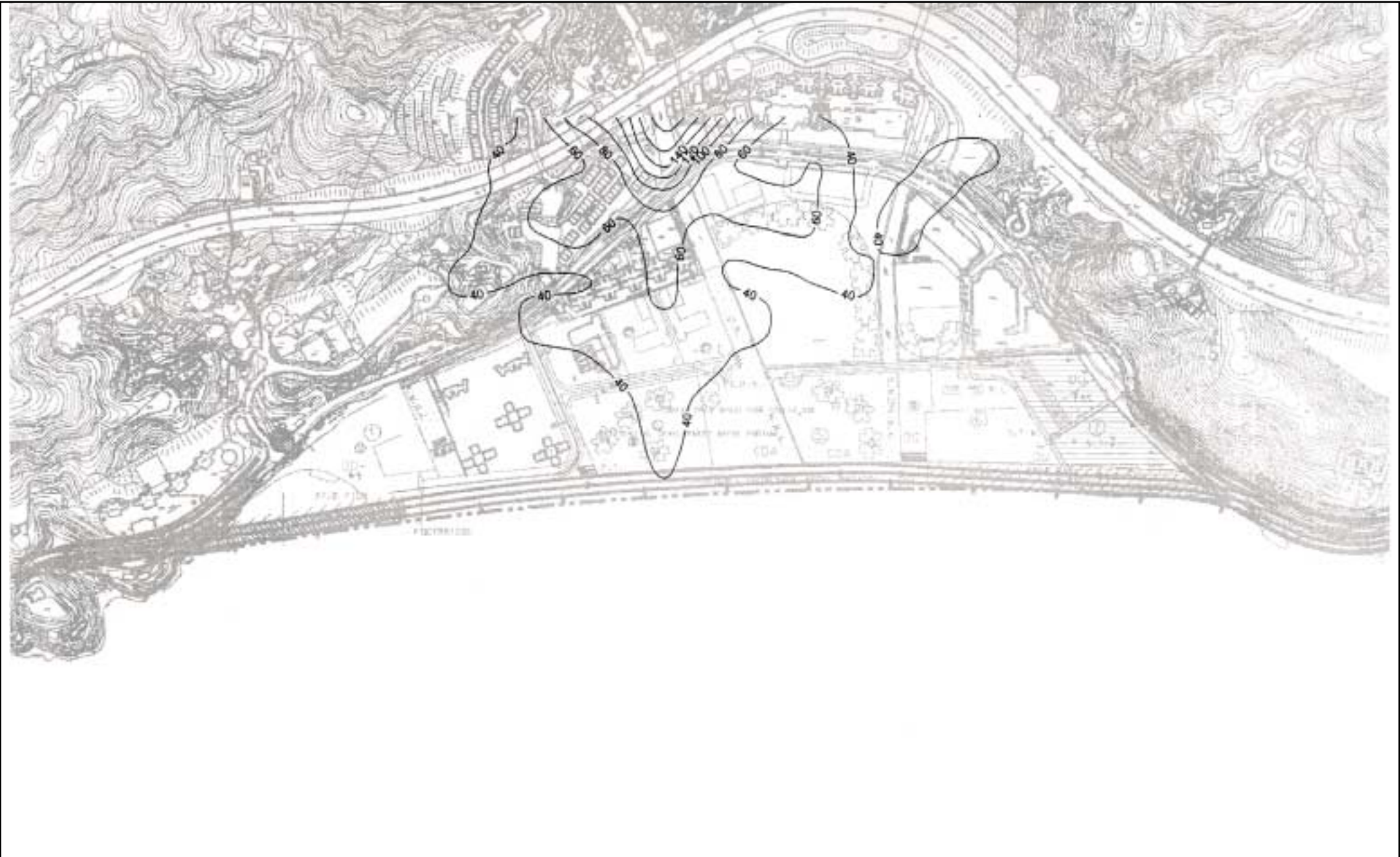


PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Contour Plot of Cumulative
 Hourly NO₂ at 100m**

Drawing No. 圖則編號	5.6e		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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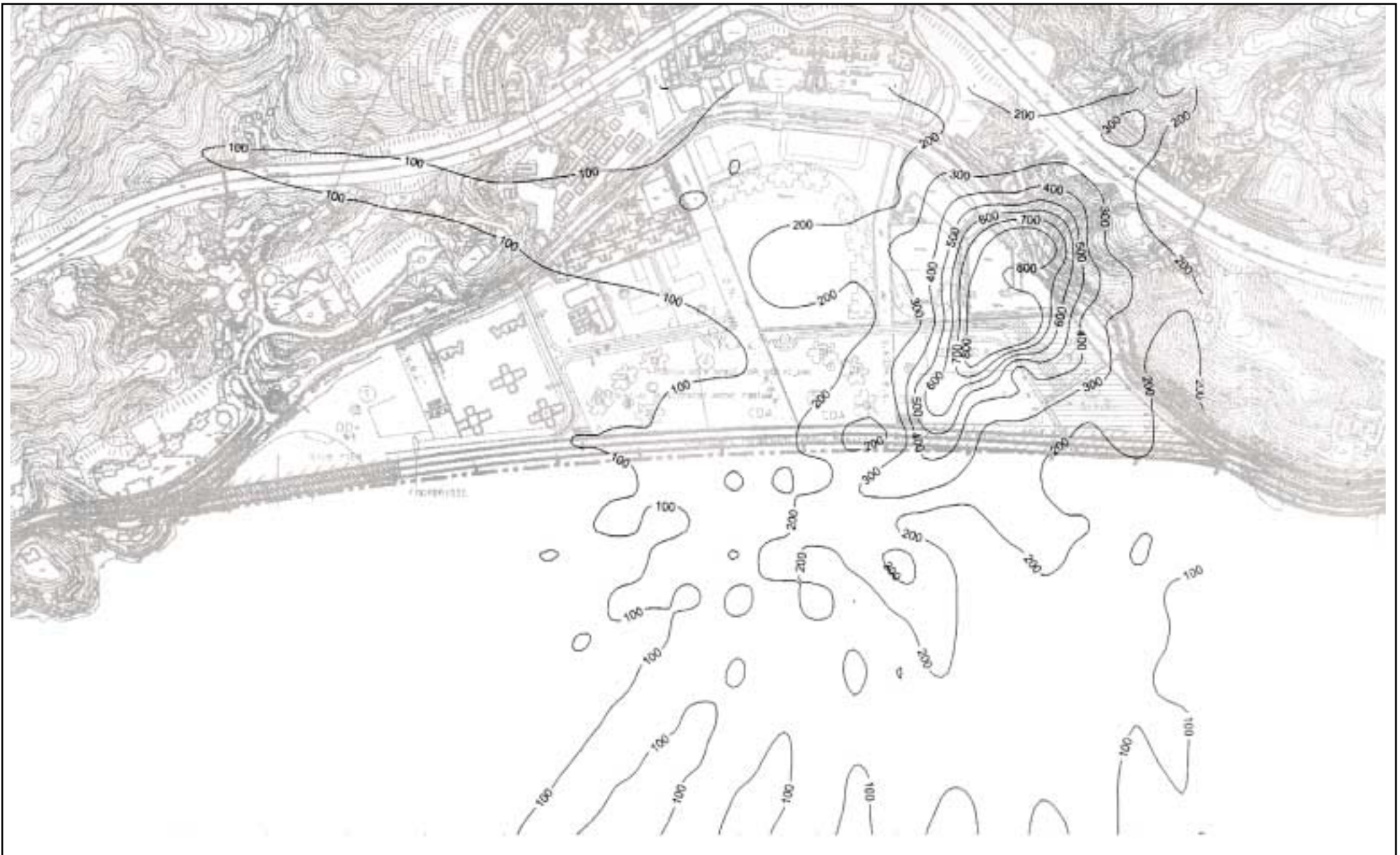


PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Contour Plot of Cumulative
 Hourly SO₂ at 30m**

Drawing No. 圖則編號	5.6f		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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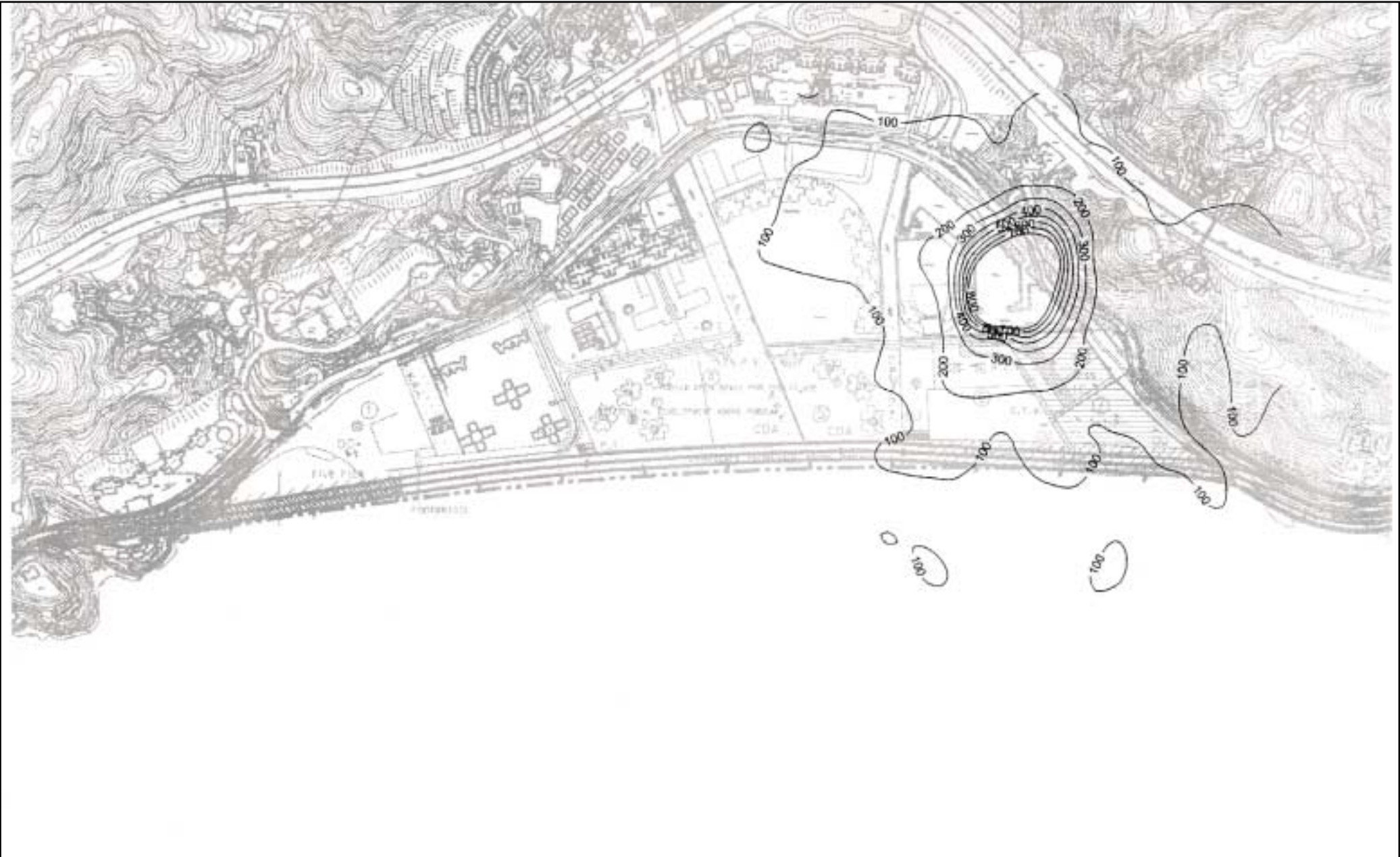


**Contour Plot of Cumulative
 Hourly SO₂ at 70m**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	5.6g		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





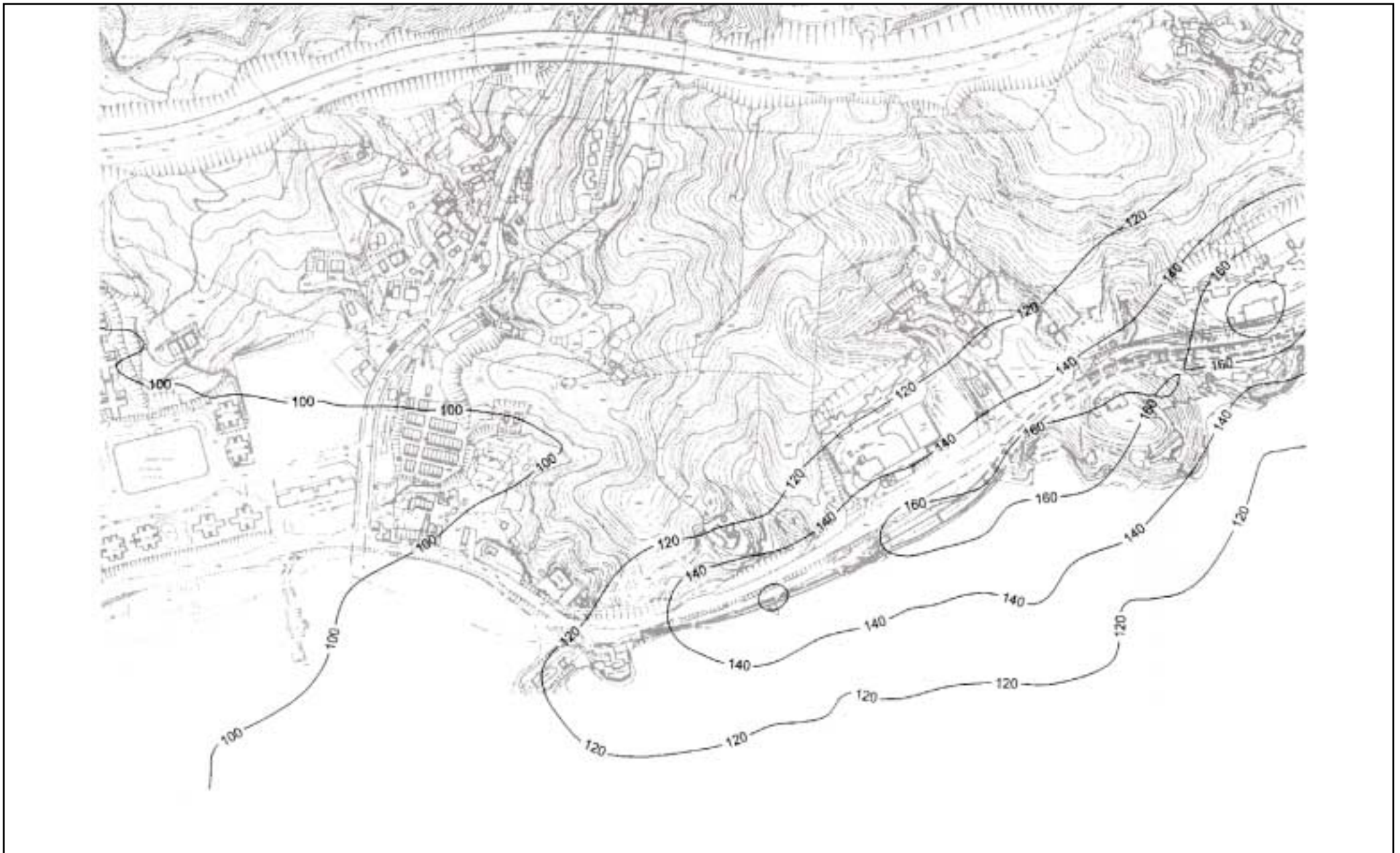
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Contour Plot of Cumulative Hourly SO₂ at 100m

Drawing No. 圖則編號	5.6h		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況


土木工程署
Civil Engineering Department



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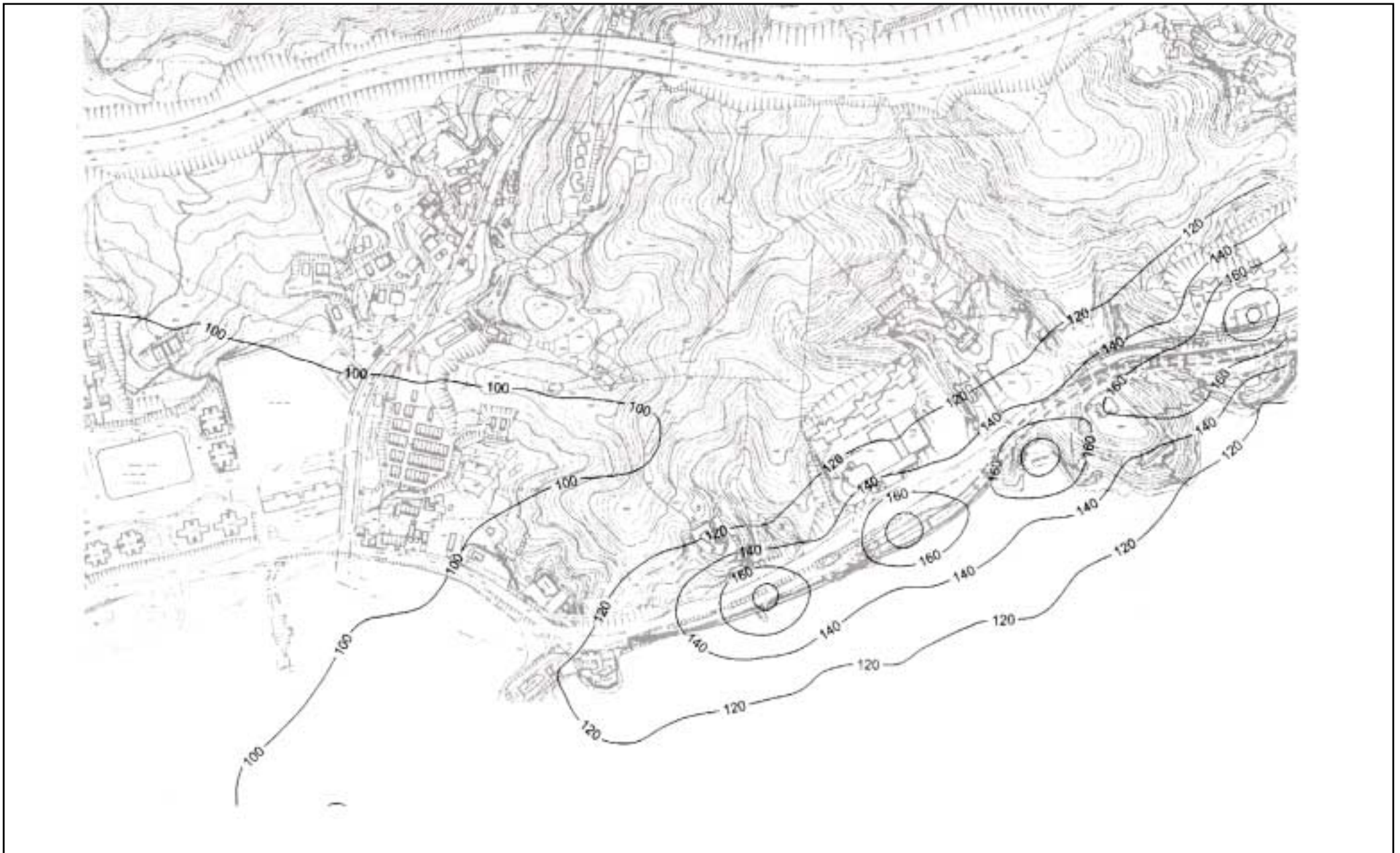


**Contour Plot of Cumulative
 Hourly NO₂ at Ground Level**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	5.6i		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期		Status 現況





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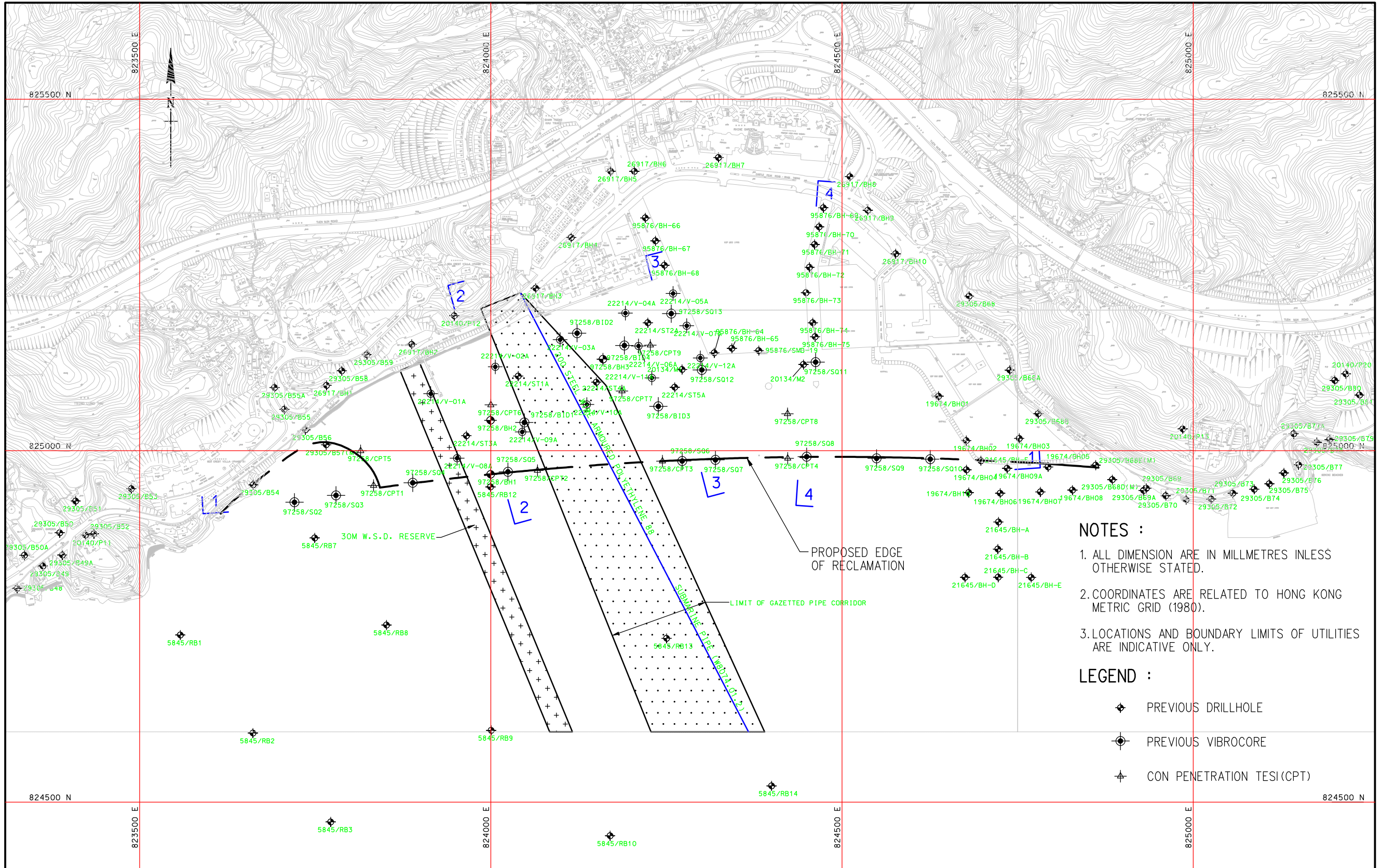
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Contour Plot of Cumulative
 Hourly NO₂ at 10m above Ground**

Drawing No. 圖則編號	5.6j		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況



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 Civil Engineering
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- NOTES :**
1. ALL DIMENSION ARE IN MILLIMETRES INLESS OTHERWISE STATED.
 2. COORDINATES ARE RELATED TO HONG KONG METRIC GRID (1980).
 3. LOCATIONS AND BOUNDARY LIMITS OF UTILITIES ARE INDICATIVE ONLY.

- LEGEND :**
- ◆ PREVIOUS DRILLHOLE
 - ⊕ PREVIOUS VIBROCORE
 - ⊕ CON PENETRATION TEST(CPT)

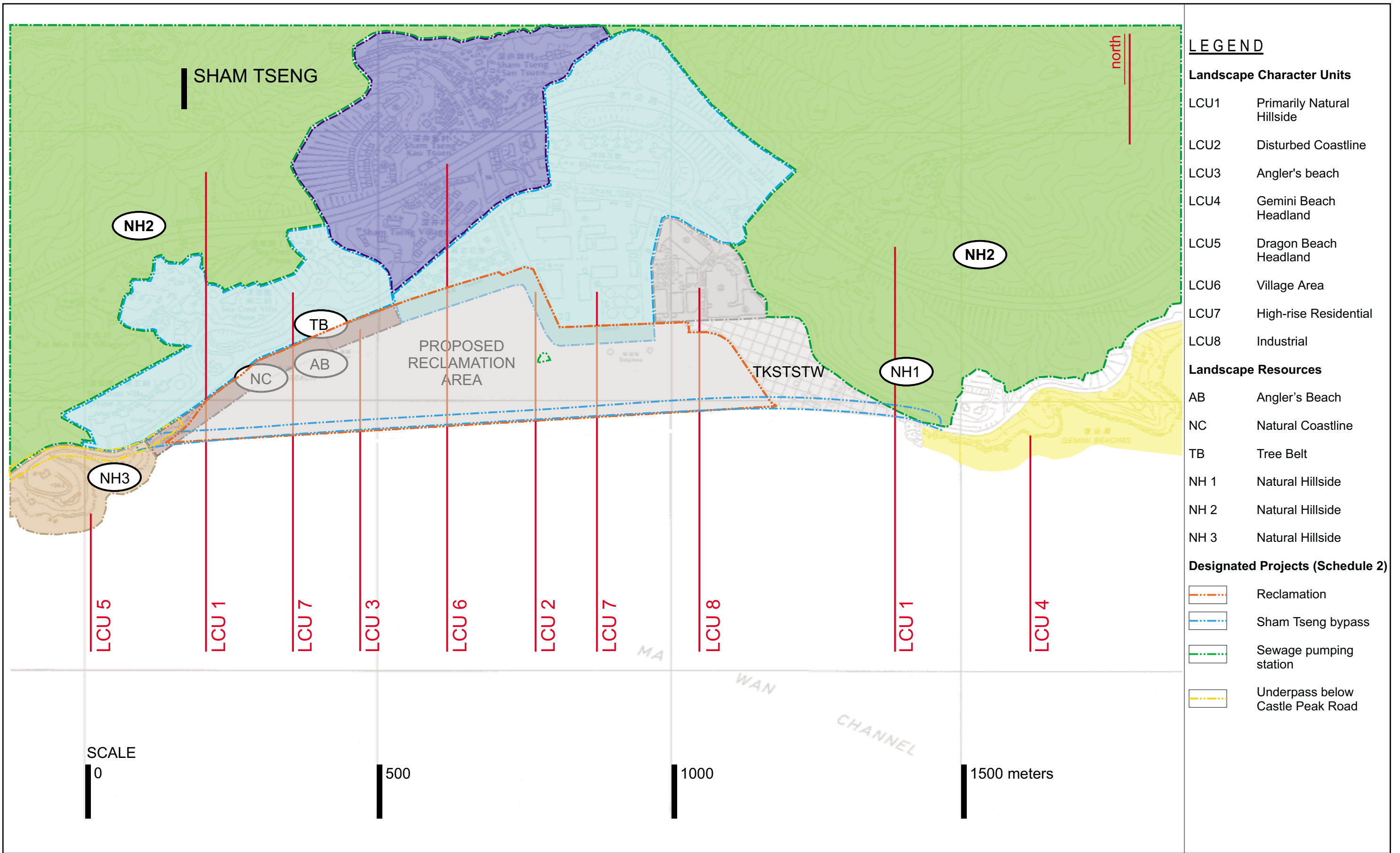
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

EXISTING SITE INVESTIGATION

DRAWING NO. 圖則編號		FIGURE 6.6a	
DESIGNED 設計	CMO	DRAWN 繪圖	HZM
CHECKED 複核	RLWK	SCALE 比例	1: 5000
APPROVED 批准	PL	DATE 日期	6/00
		STATUS 現況	PRELIMINARY

CIVIL ENGINEERING DEPARTMENT HONG KONG
香港土木工程署



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Landscape Context

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

7.5a

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

1:5000

Approved
批准

MS

Date
日期

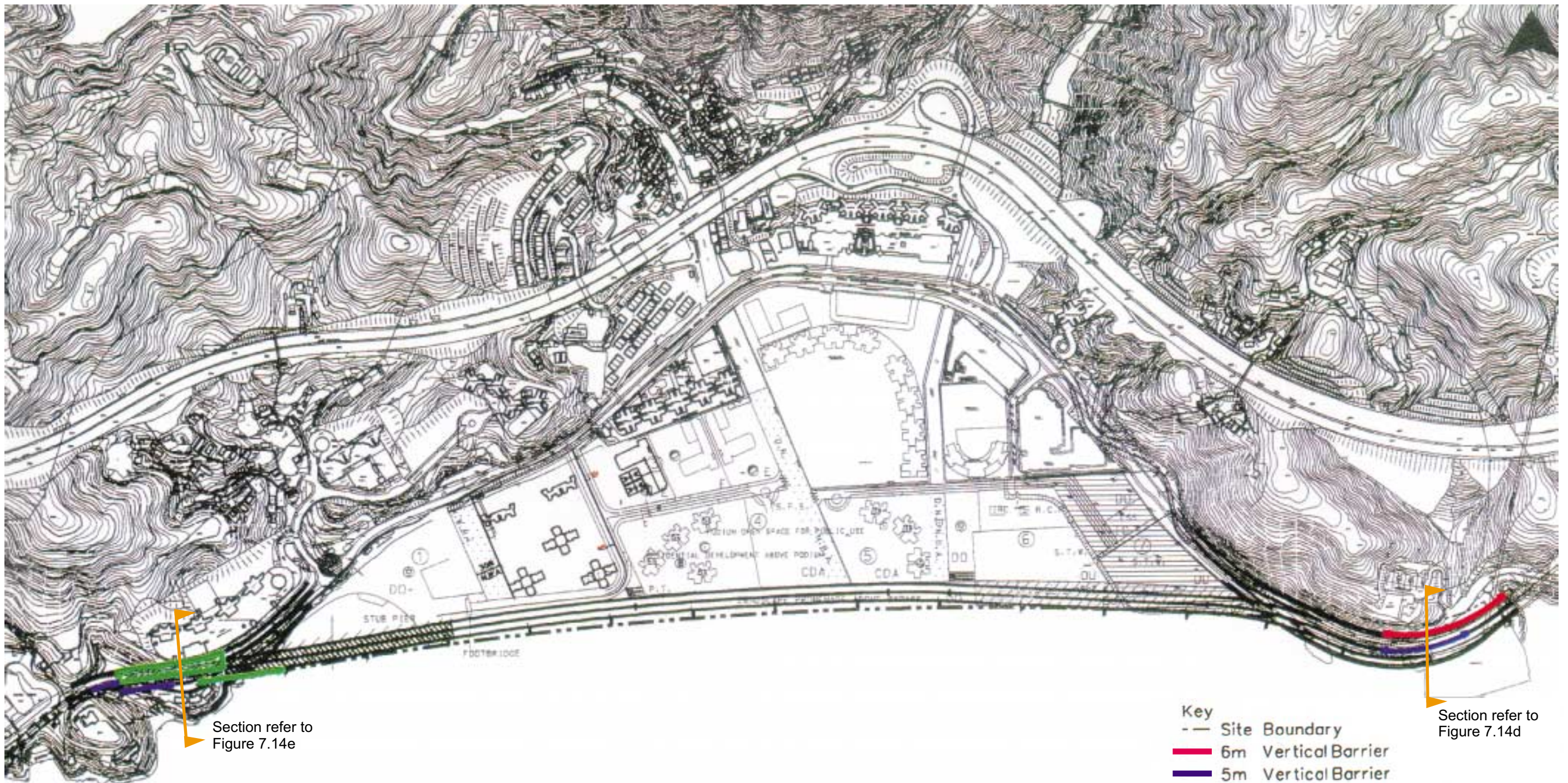
06/2001

Status
現況

Preliminary



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Civil Engineering
Department



- Key
- - Site Boundary
 - 6m Vertical Barrier
 - 5m Vertical Barrier
 - 3.5 Vertical Barrier
 - ▨ Semi-enclosure with cantilever 3m from central reserve
 - ▨ Promenade Extension

SCALE 1:7000

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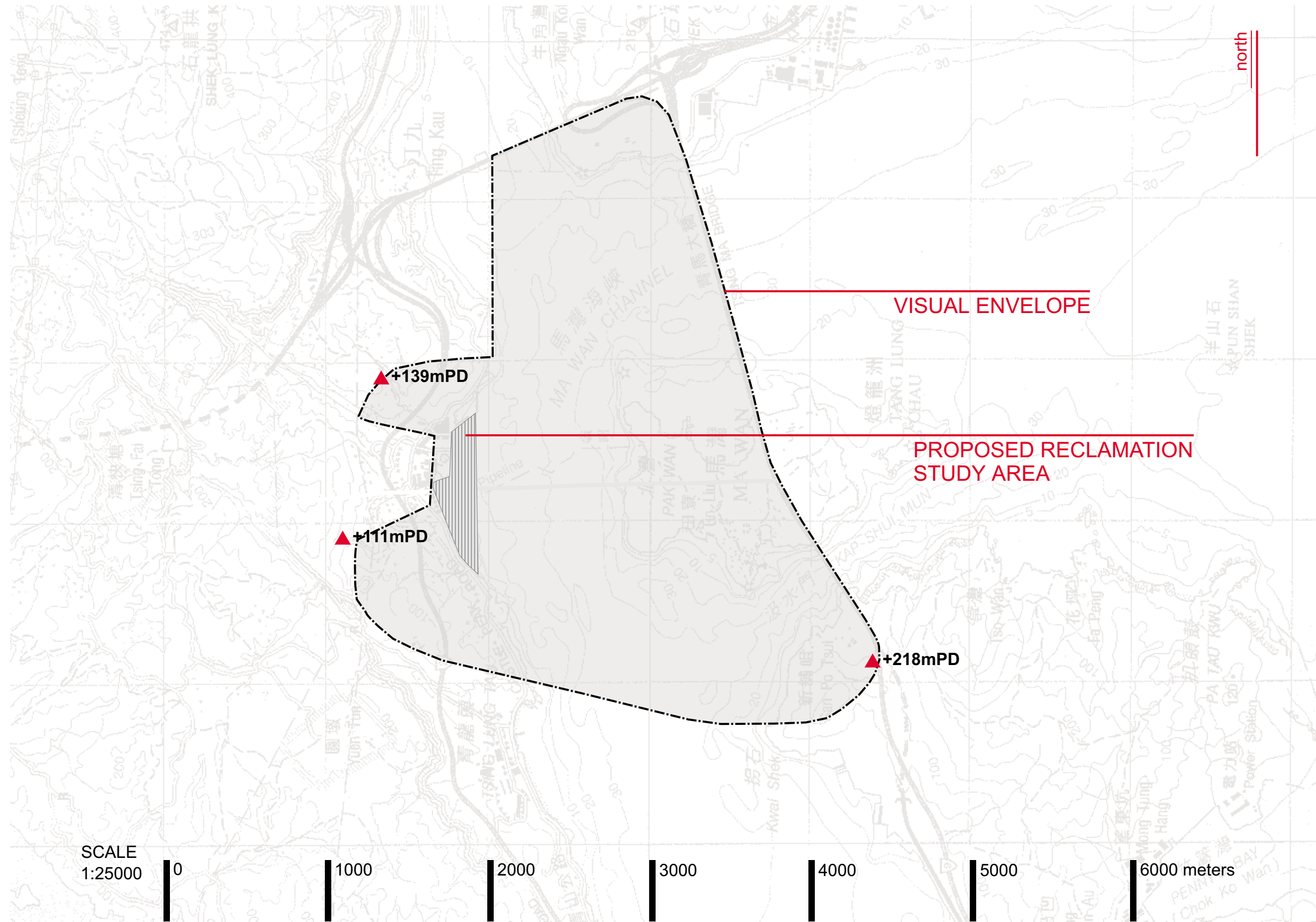
Proposed Noise Mitigation Measures

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	7.6a		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary



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Department



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Extent of Visual Envelope

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

7.7a

Designed
設計

Drawn
繪圖

GL

Checked
覆核

AW

Scale
比例

1:25000

Approved
批准

MS

Date
日期

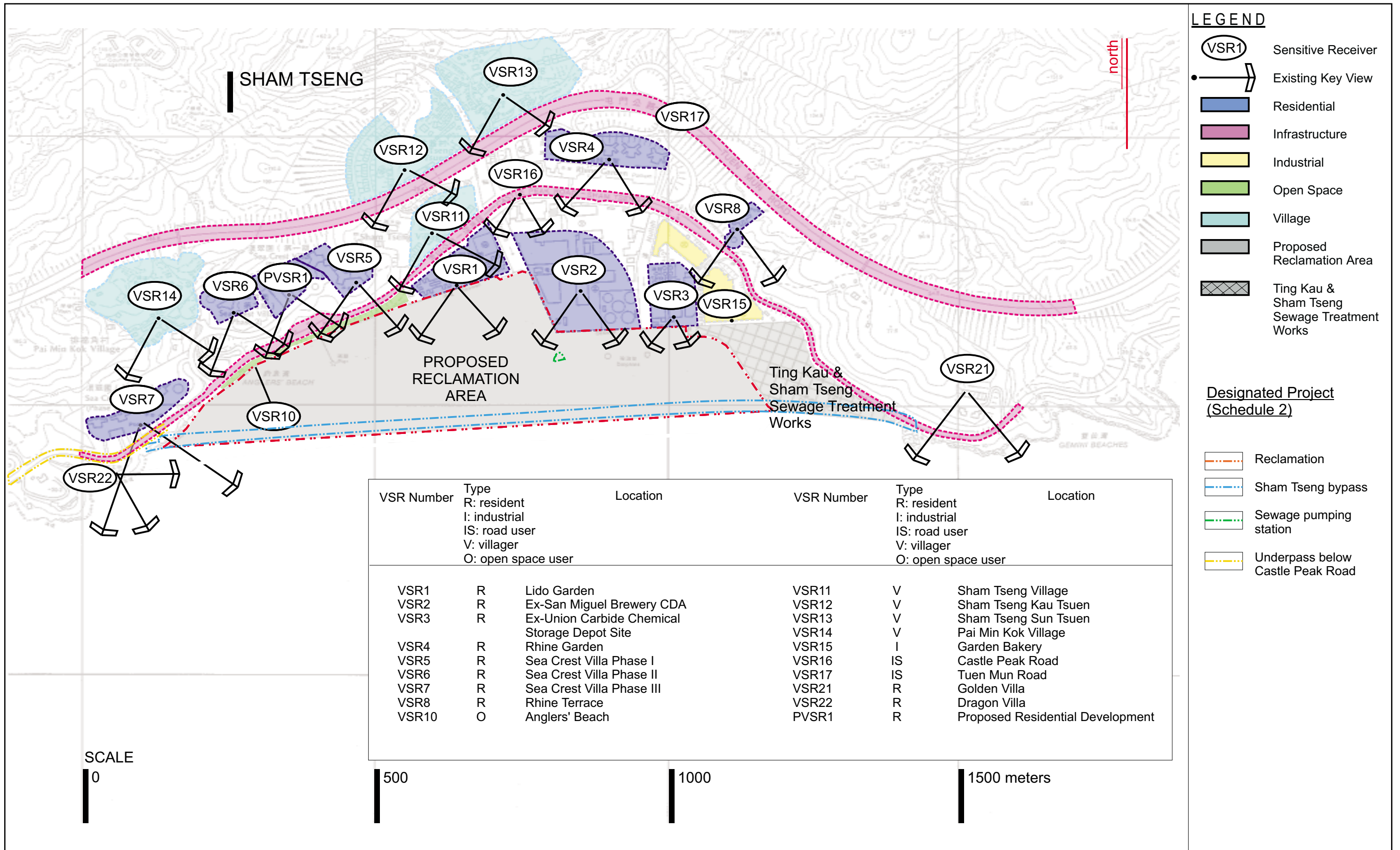
06/2001

Status
現況

Preliminary



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Department



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Visually Sensitive Receivers 1

Drawing No.
圖則編號

7.7b

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

1:1500

Approved
批准

MS

Date
日期

06/2001

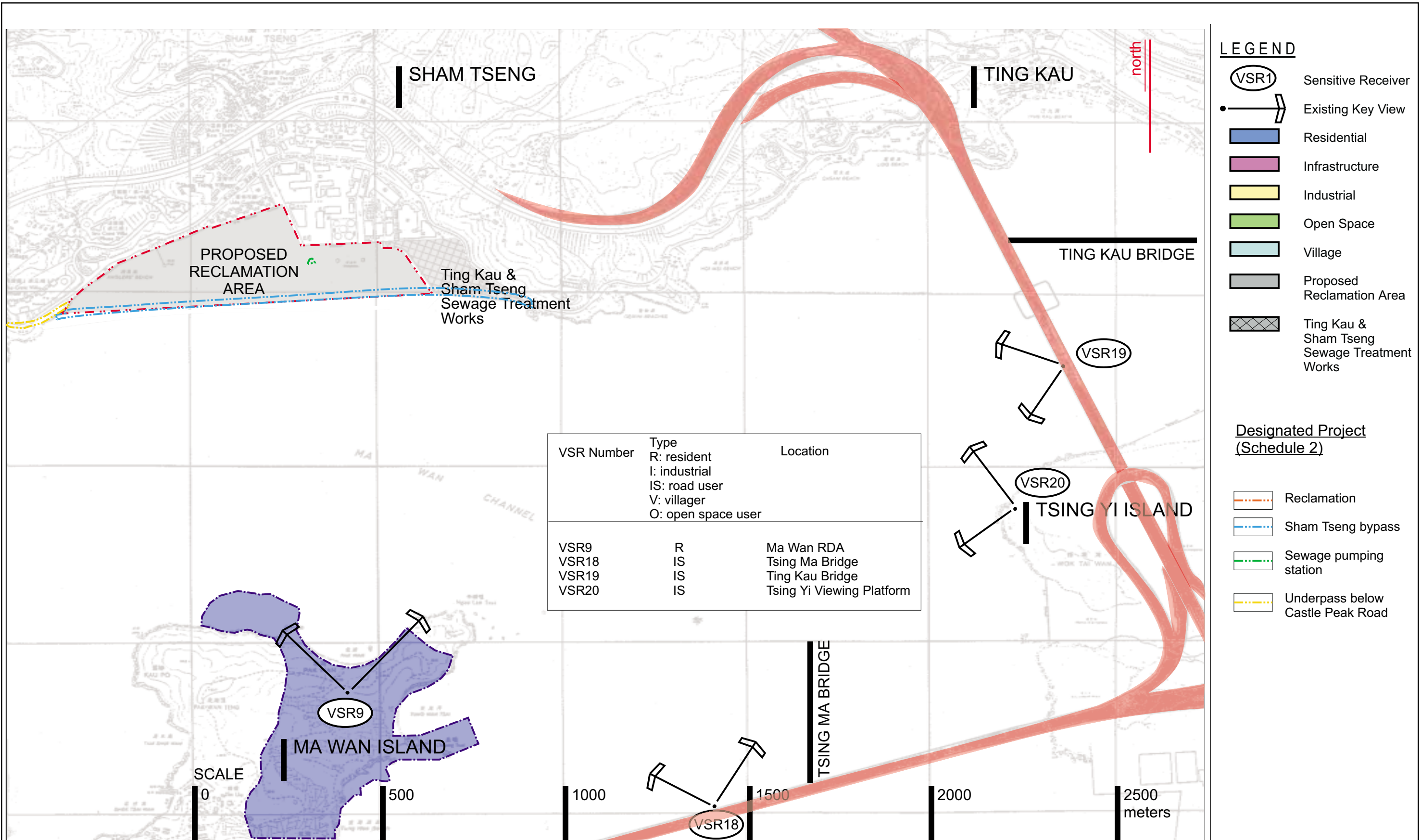
Status
現況

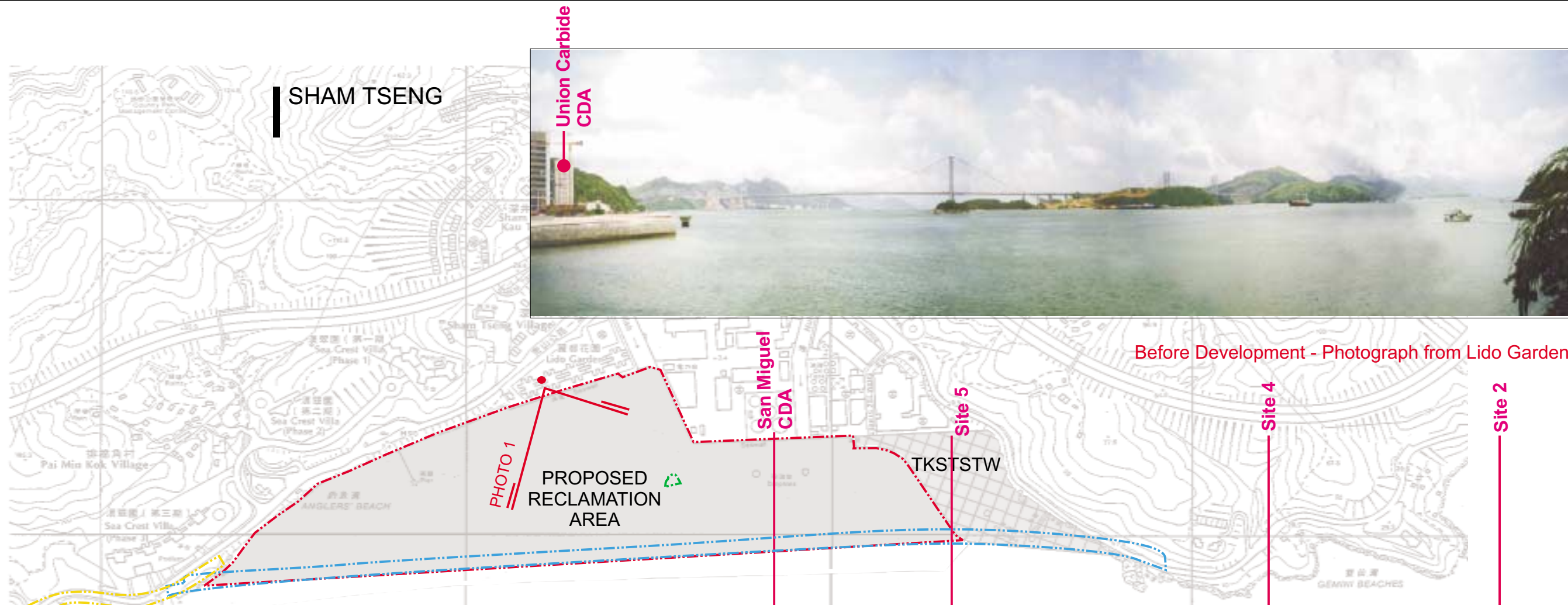
Preliminary

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

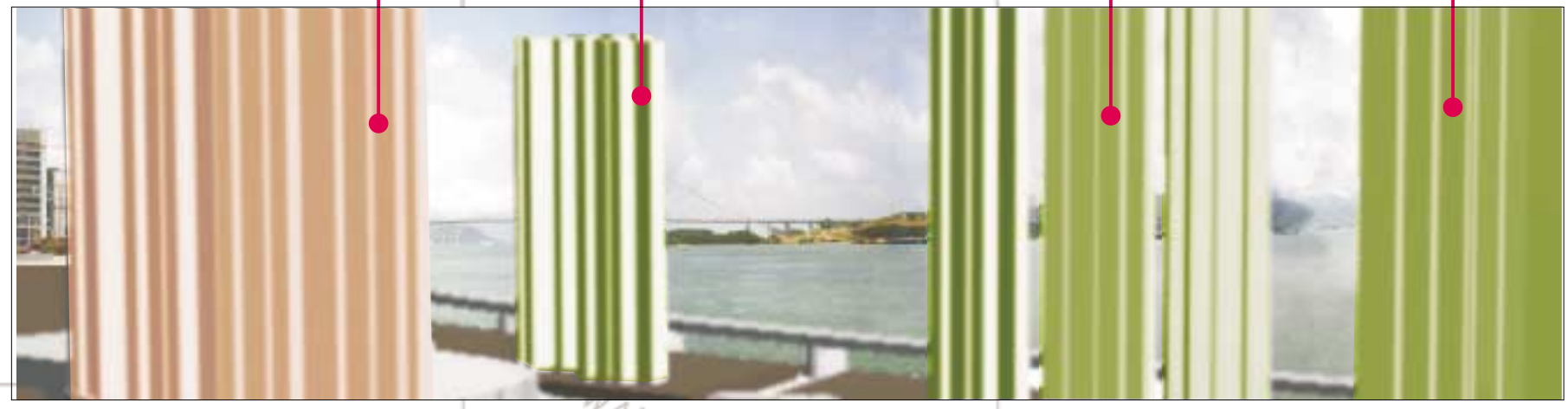


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Civil Engineering
Department





Before Development - Photograph from Lido Garden



After Development - Photomontage from Lido Garden

Designated Project (Schedule 2)

- Reclamation
- Sham Tseng bypass
- Sewage pumping station
- Underpass below Castle Peak Road

north

SCALE

0

500

1000

1500 meters

- Proposed Development within the Project Area
- Development outside the Project Area

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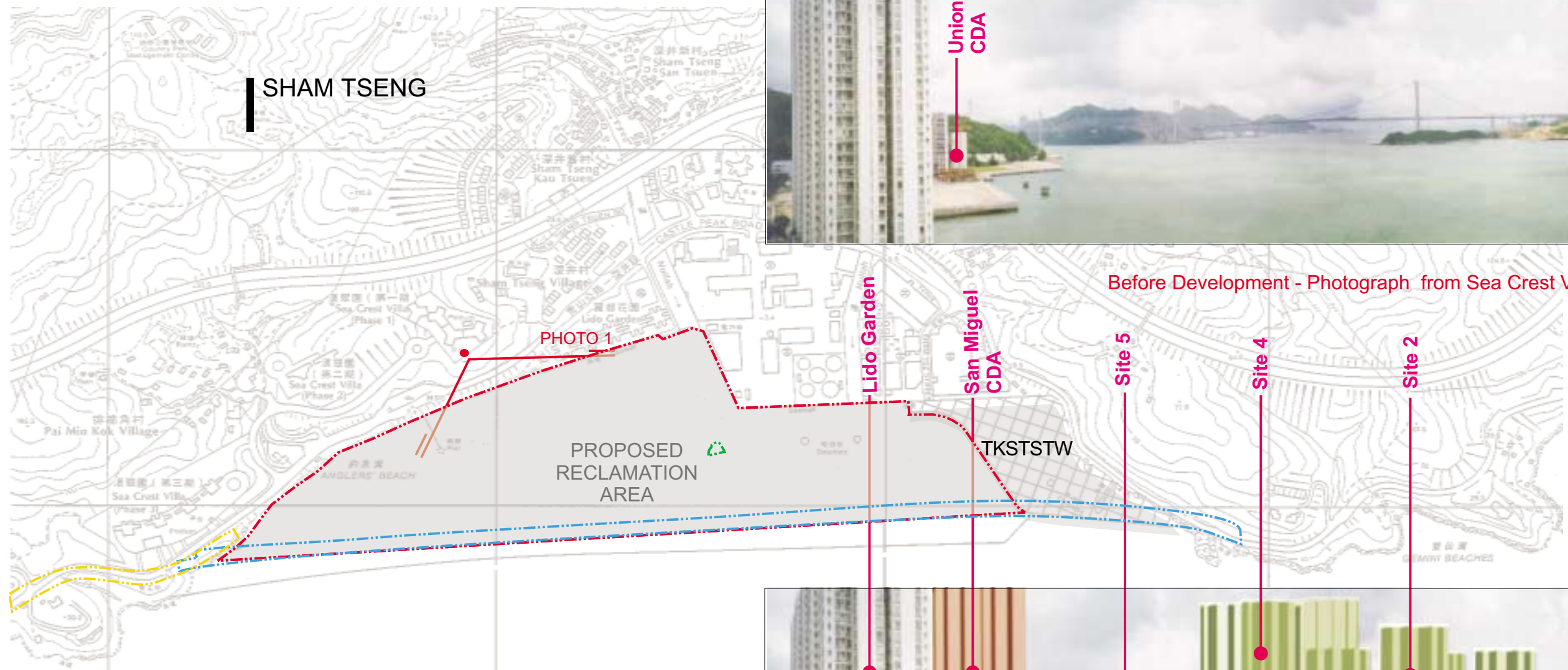


Typical View from Lido Garden

Drawing No. 圖則編號	7.7d		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	1:5000
Approved 批准	Date 日期	Status 現況	
MS	06/2001	Preliminary	

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Civil Engineering
Department

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT







Before Development - Photograph from Sea Crest Villa Phase I



After Development - Photomontage from Sea Crest Villa Phase I

Designated Project (Schedule 2)



-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road



SCALE

0 0

500

-  Proposed Development within the Project Area
-  Development outside the Project Area

1000

1500 meters

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Typical View from Sea Crest Villa Phase 1

Drawing No.
圖則編號

7.7e

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

1:1500

Approved
批准

MS

Date
日期

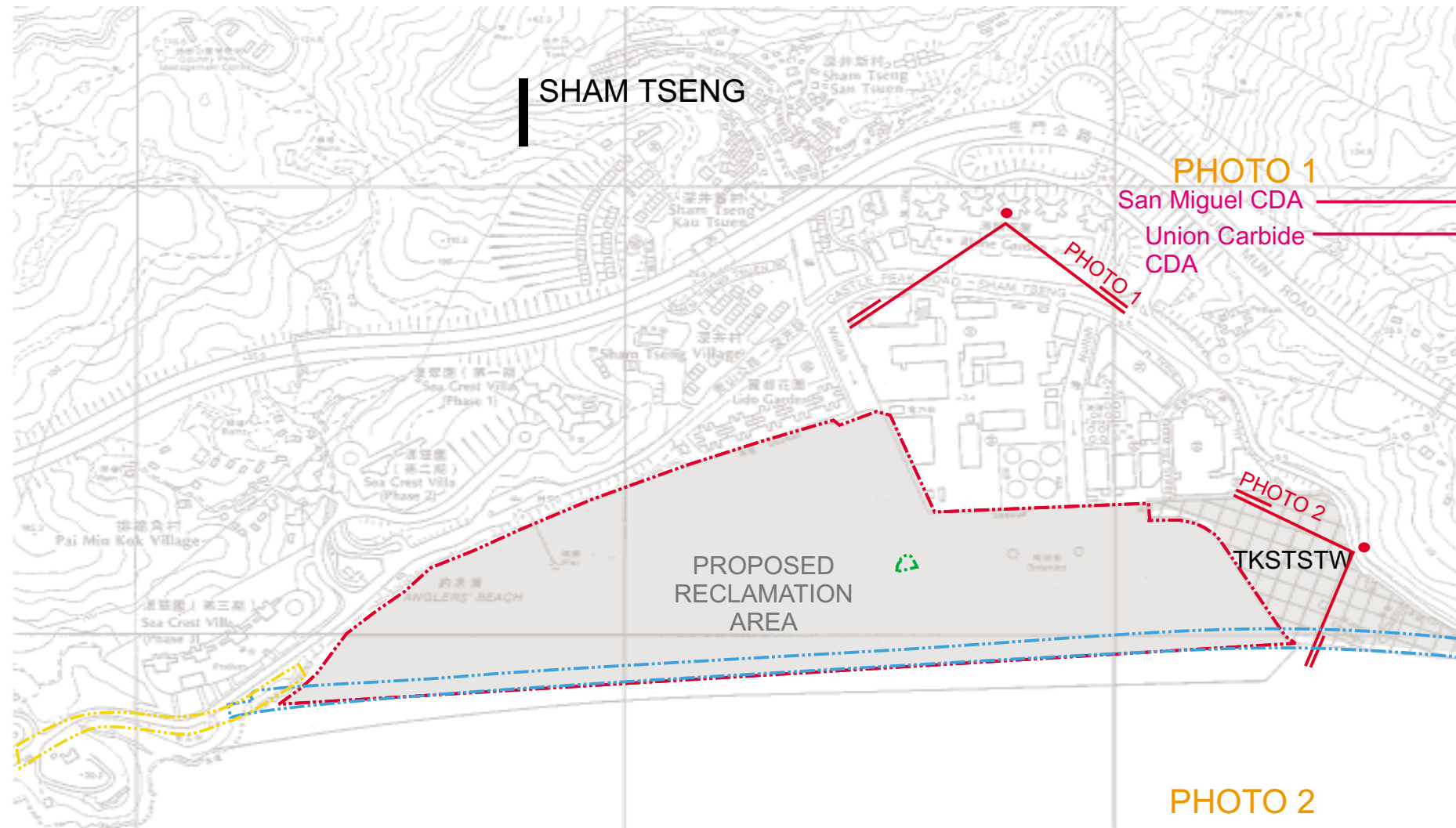
06/2001

Status
現況

Preliminary



**土木工程署
Civil Engineering
Department**



- Designated Project (Schedule 2)**
- Reclamation
 - Sham Tseng bypass
 - Sewage pumping station
 - Underpass below Castle Peak Road

north

SCALE



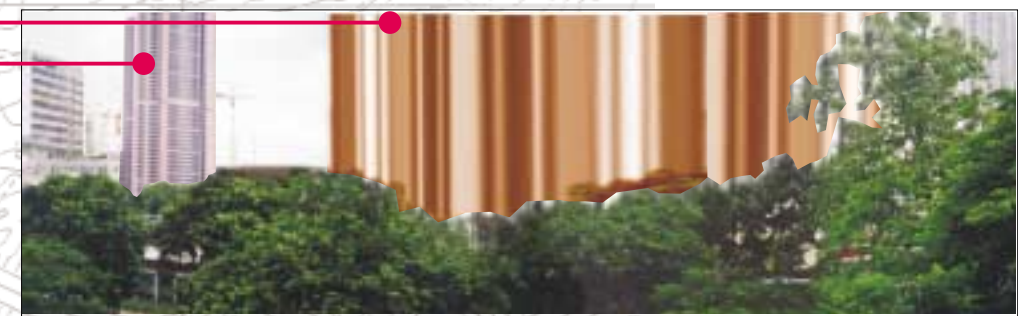
Union Carbide CDA



Before Development - Photograph from Rhine Garden

PHOTO 1

San Miguel CDA
Union Carbide CDA



After Development - Photomontage from Rhine Garden (Most of the visual impacts are from the San Miguel CDA Development which is not form part of the proposed project).

PHOTO 2

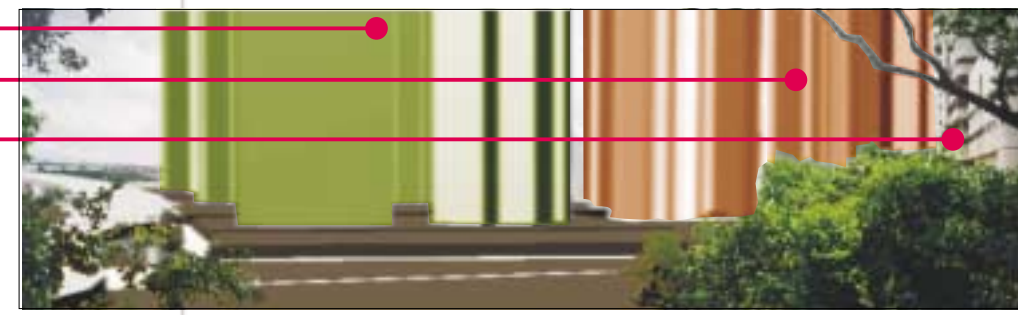
TKSTSTW



Before Development - Photograph from Castle Peak Road

PHOTO 2

Site 5
San Miguel CDA
Union Carbide CDA



After Development - Photomontage from Castle Peak Road

Proposed Development within the Project Area
 Development outside the Project Area

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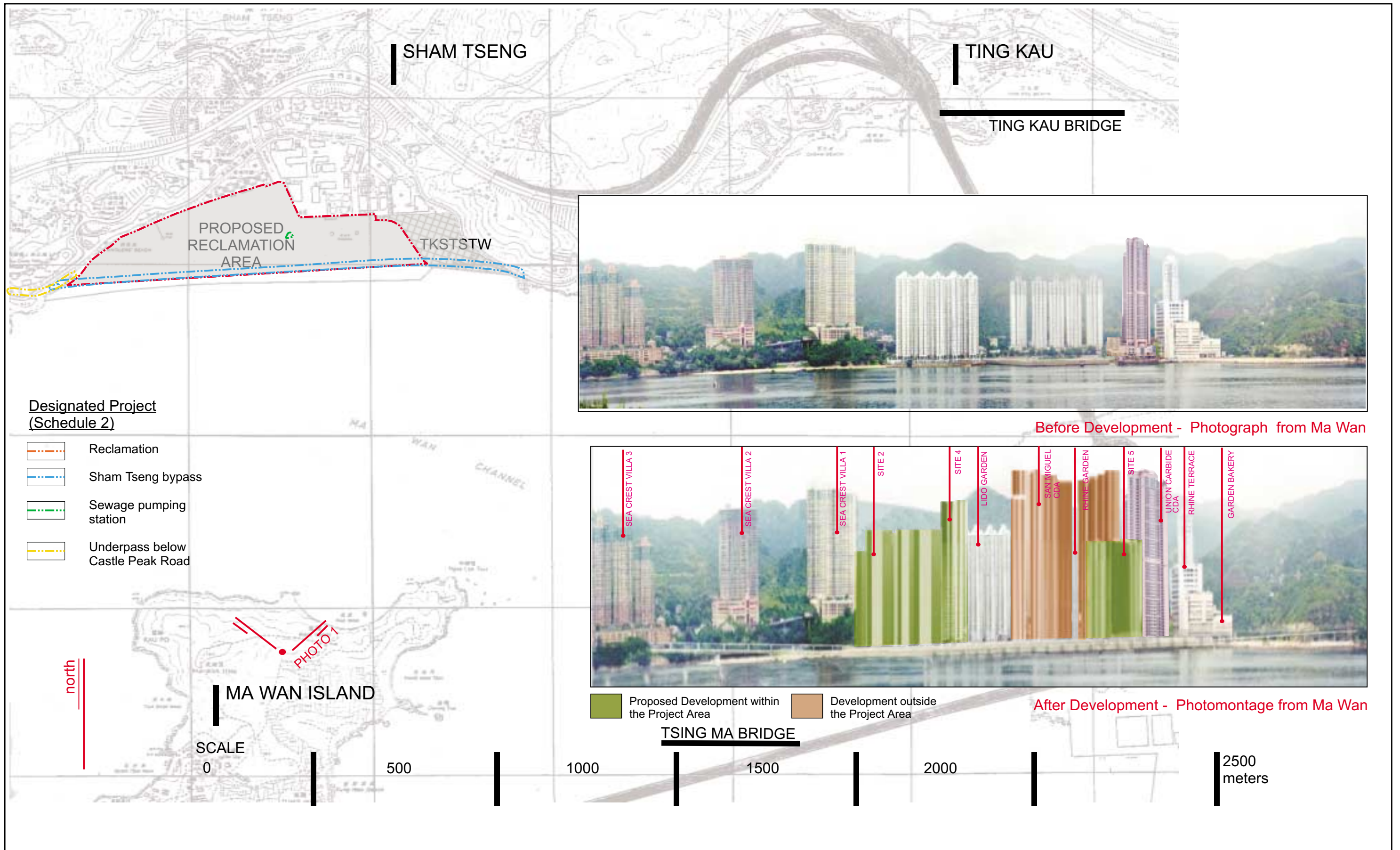


Typical View from Rhine Garden and Castle Peak Road

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	7.7f		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	1:5000
Approved 批准	MS	Date 日期	Status 現況
		06/2001	Preliminary





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Typical View from Ma Wan RDA

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

7.7g

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

1:5000

Approved
批准

MS

Date
日期

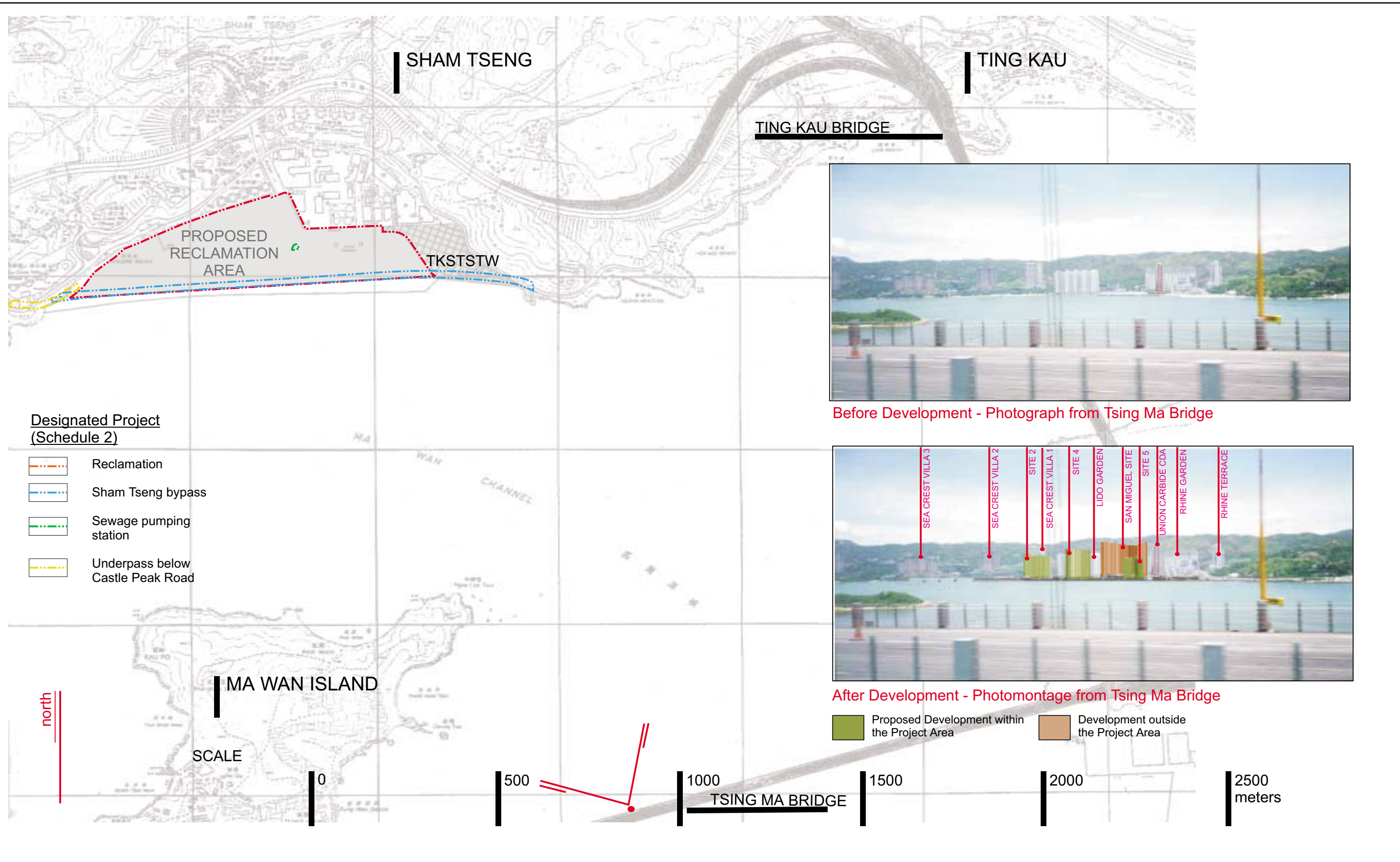
06/2001

Status
現況

Preliminary



土木工程署
Civil Engineering
Department



Before Development - Photograph from Tsing Ma Bridge



After Development - Photomontage from Tsing Ma Bridge

Proposed Development within the Project Area
 Development outside the Project Area

Designated Project (Schedule 2)

- Reclamation
- Sham Tseng bypass
- Sewage pumping station
- Underpass below Castle Peak Road

north

SCALE

0

500

1000

1500

2000

2500 meters

TSING MA BRIDGE

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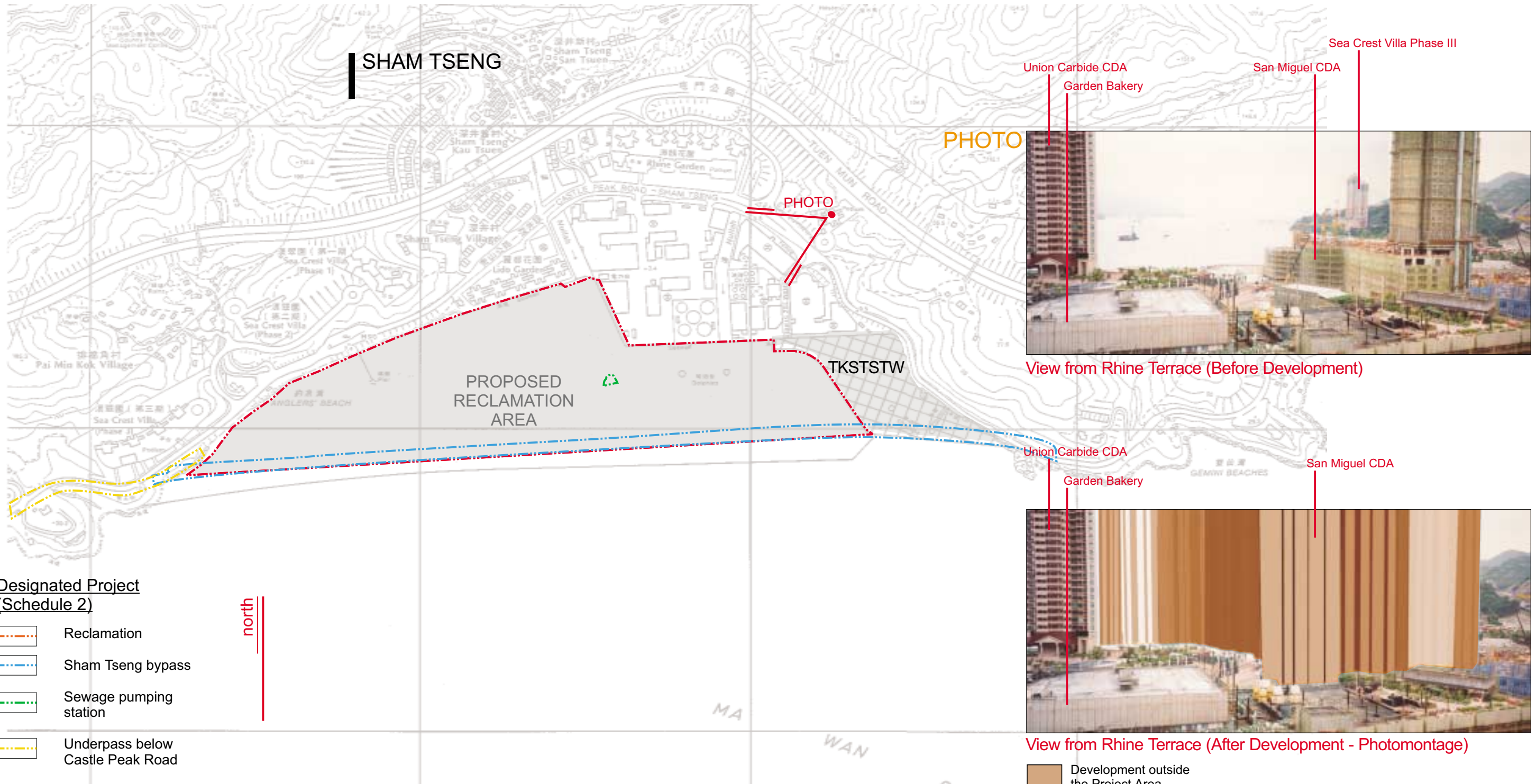


Typical View from Tsing Ma Bridge





Drawing No. 圖則編號	7.7h		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	1:5000
Approved 批准	Date 日期	Status 現況	
MS	06/2001	Preliminary	



PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT



**Designated Project
(Schedule 2)**

-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road

north

SCALE



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Typical View from Rhine Terrace

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

7.7i

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

1:5000

Approved
批准

MS

Date
日期

06/2001

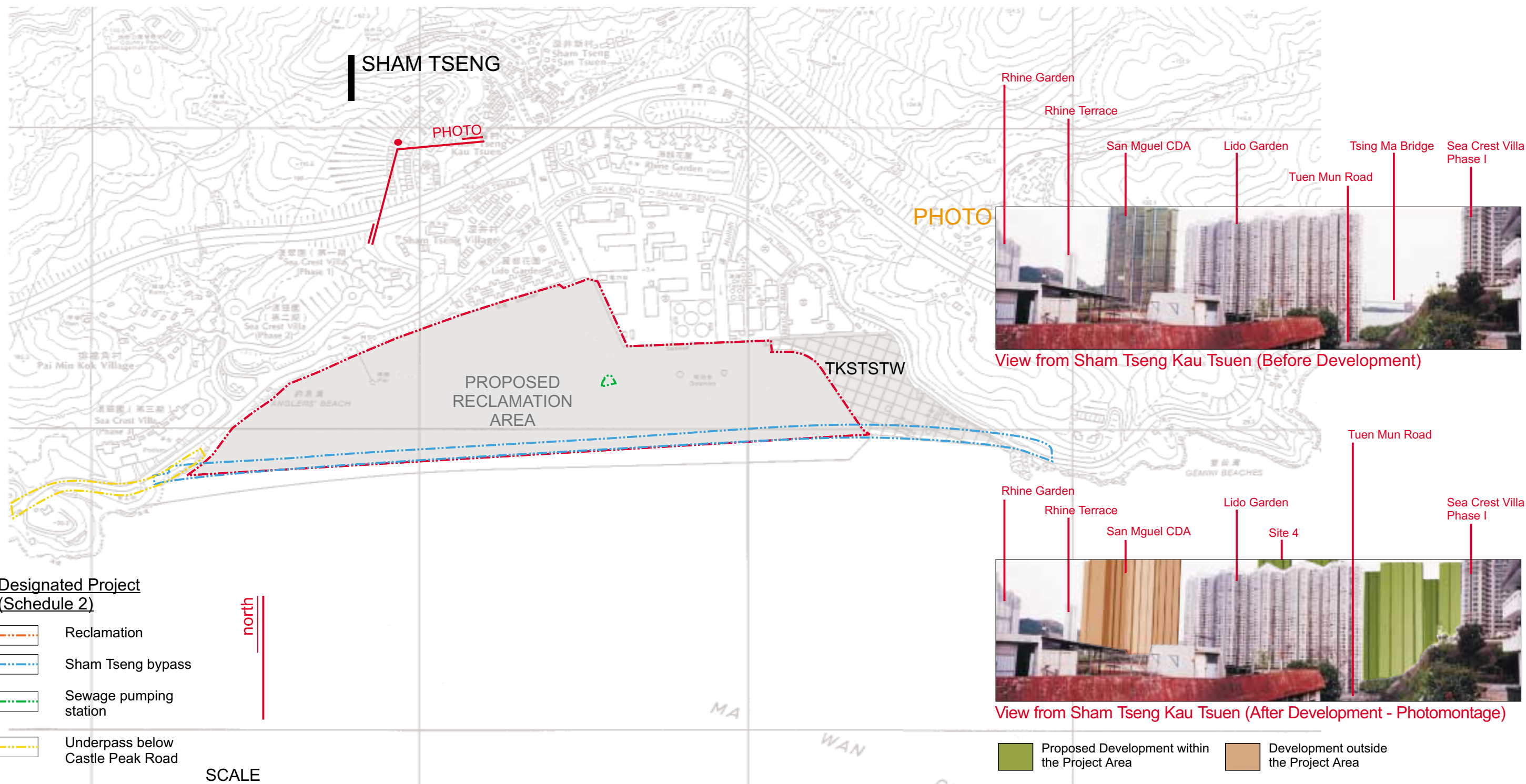
Status
現況

Preliminary







土木工程署
Civil Engineering
Department

 Development outside the Project Area



Designated Project (Schedule 2)

-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road

north

SCALE



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Typical View from Sham Tseng Kau Tsuen

Drawing No. 圖則編號

7.7j

Designed 設計

Drawn 繪圖

GL

Checked 複核

AW

Scale 比例

1:5000

Approved 批准

MS

Date 日期

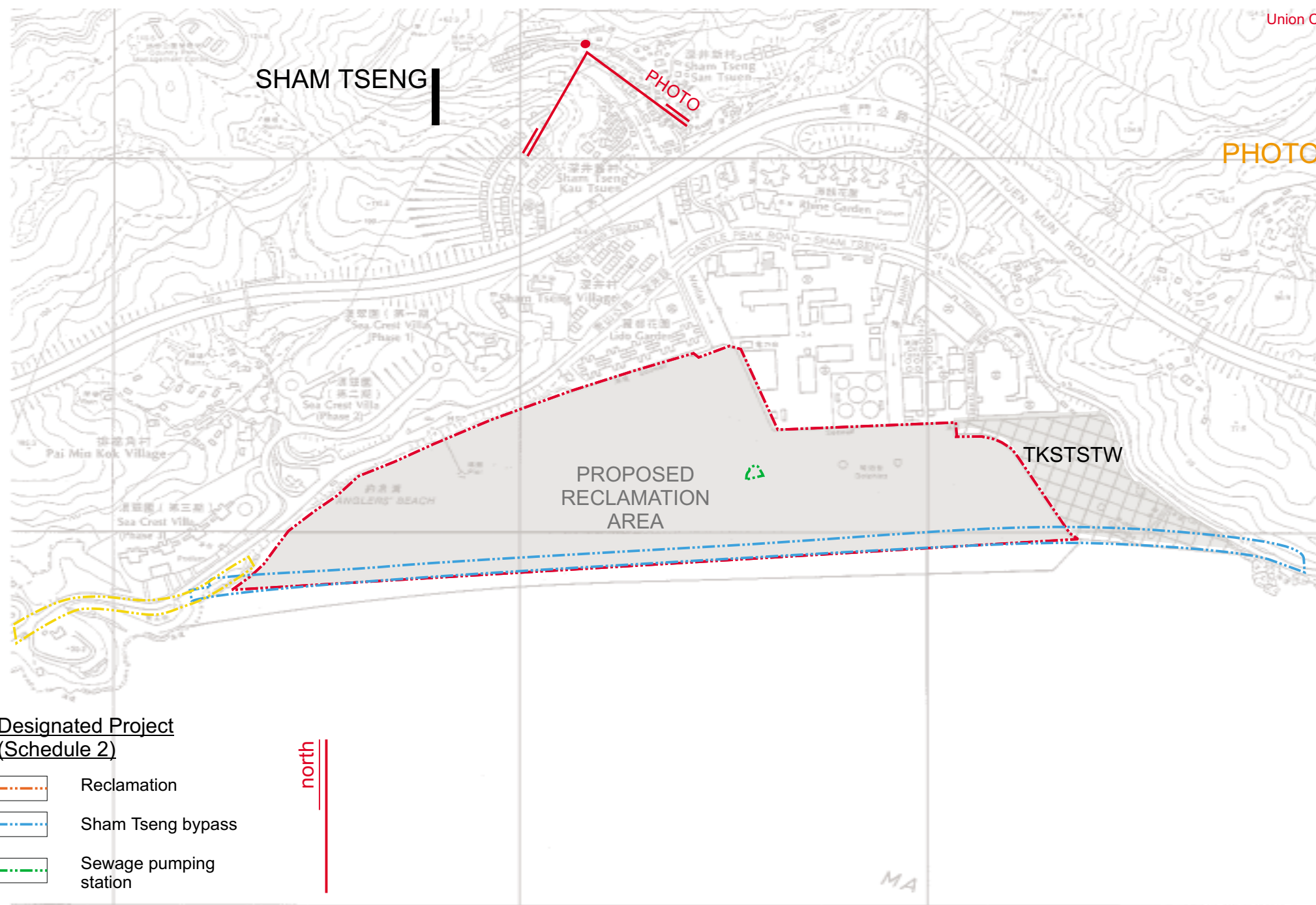
06/2001

Status 現況

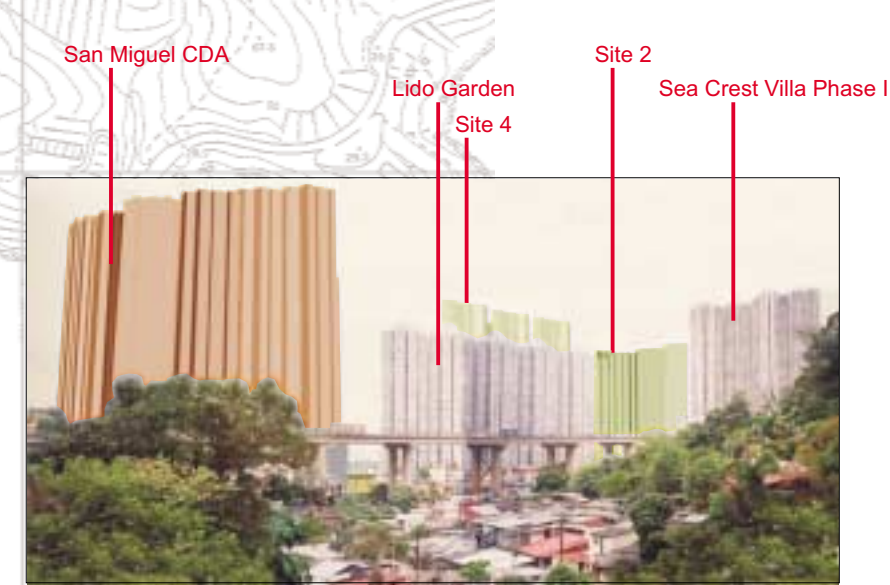
Preliminary



**土木工程署
Civil Engineering
Department**







View from Sham Tseng Sun Tsuen (Before Development)



View from Sham Tseng Sun Tsuen (After Development - Photomontage)

Designated Project (Schedule 2)

-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road

SCALE



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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT





Drawing No. 圖則編號		7.7k	
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	1:5000
Approved 批准	MS	Date 日期	Status 現況
		06/2001	Preliminary

Typical View from Sham Tseng Sun Tsuen



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Civil Engineering Department

Designated Project
(Schedule 2)

-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road

SHAM TSENG

north

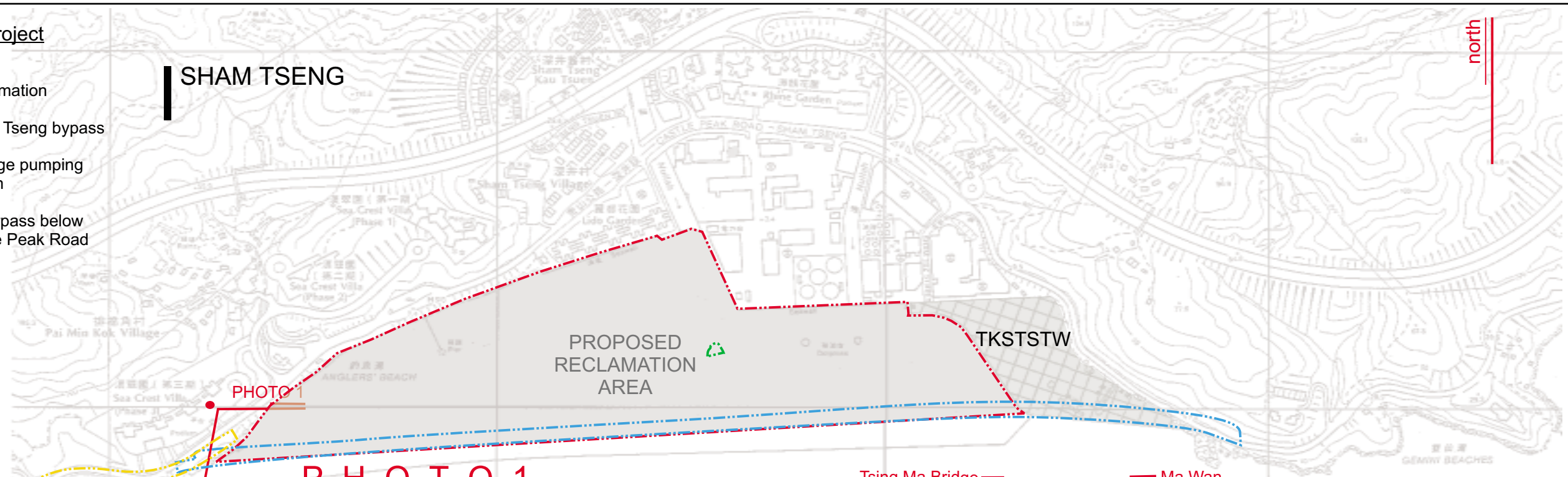




PHOTO 1



VIEW TAKEN FROM SEA CREST VILLA PHASE 3, LOOKING EAST (BEFORE DEVELOPMENT)

- Sea Crest Villa Phase III
- Lido Garden
- Union Carbide Site
- Rhine Garden
- Garden Bakery
- Gemini Beaches Headland (LCU4)
- Disturbed Coastline (LCU2)
- Kaito Pier
- Castle Peak Road

-  Proposed Development within the Project Area
-  Development outside the Project Area

- Sea Crest Villa Phase III
- Site 2 (HOS/PSTS)
- San Miguel Brewery CDA Site
- Site3
- Landscape Promenade above Bypass
- Salt Water Pumping Station
- Castle Peak Road



VIEW TAKEN FROM SEA CREST VILLA PHASE 3, LOOKING EAST (AFTER DEVELOPMENT - PHOTOMONTAGE)



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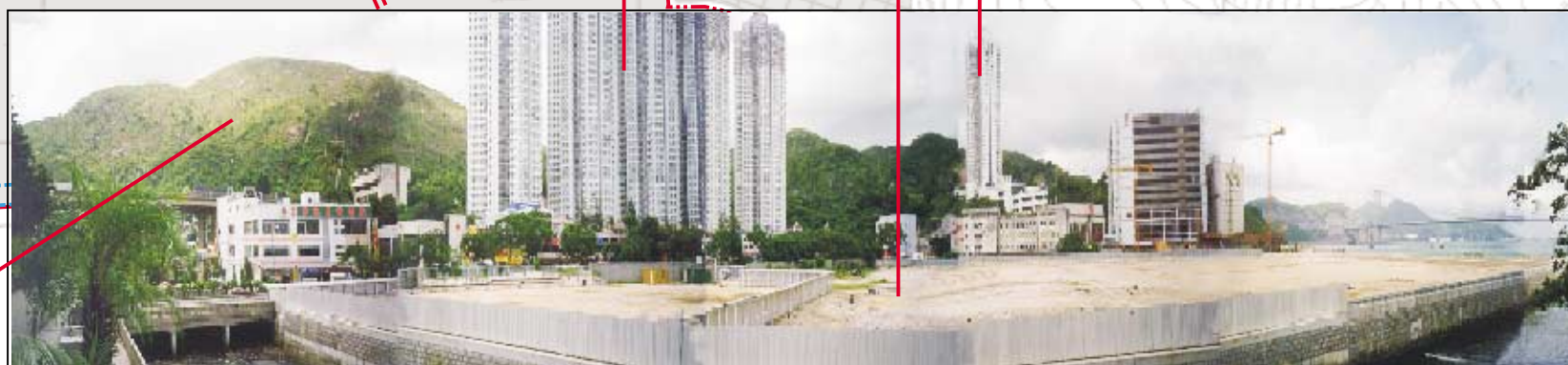
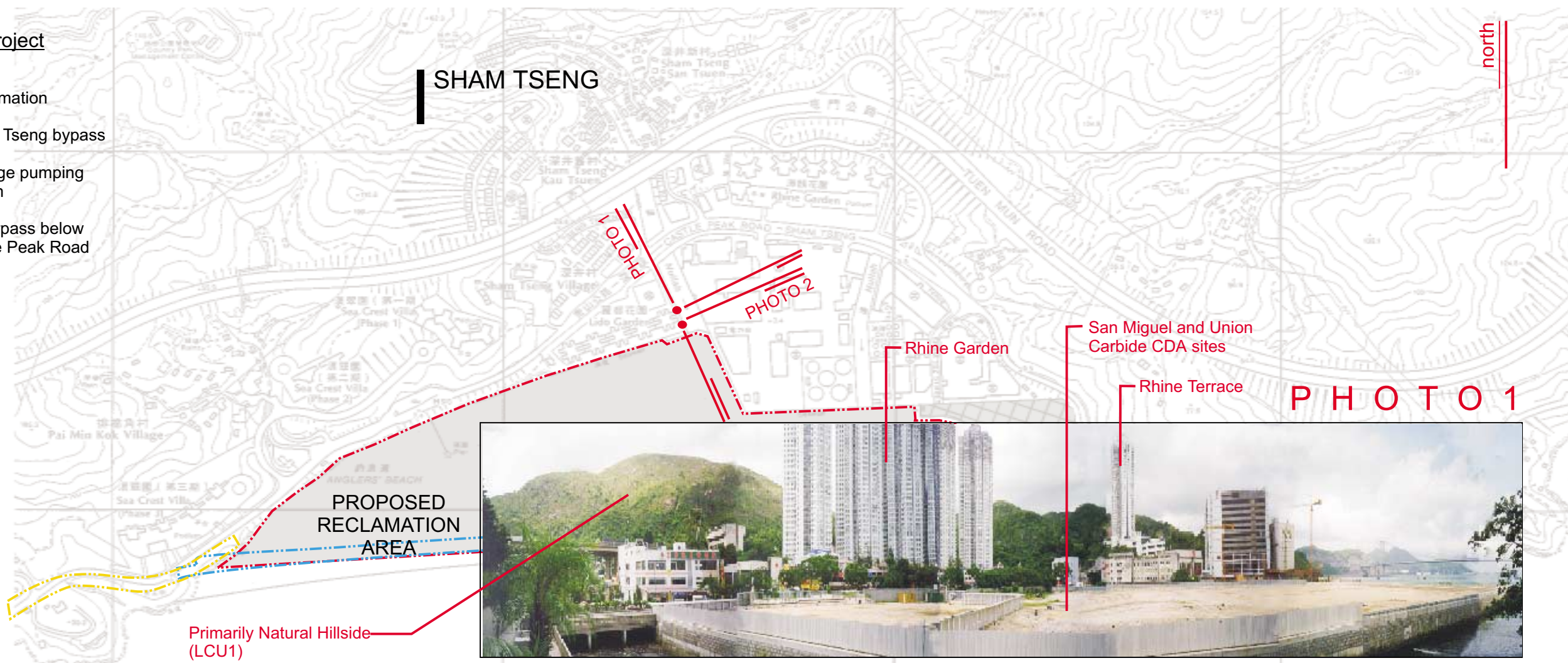
View from Sea Crest Villa Phase III

Drawing No. 圖則編號	7.10c		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	1:5000
Approved 批准	Date 日期	Status 現況	
	MS	06/2001	Preliminary



Designated Project
(Schedule 2)

-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road



VIEW TAKEN FROM LIDO GARDEN - FACING RHINE GARDEN AND THE RIDGE LINE OF THE TAI MO SHAN

PHOTO 1



VIEW TAKEN FROM LIDO GARDEN - FACING THE RIDGE LINE OF TAI MO SHAN TO THE EAST

PHOTO 2

SCALE

0

500

1000

1500 meters

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View from Lido Garden

Drawing No.
圖則編號

7.10d

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

1:5000

Approved
批准

MS

Date
日期

06/2001





Status
現況

Preliminary



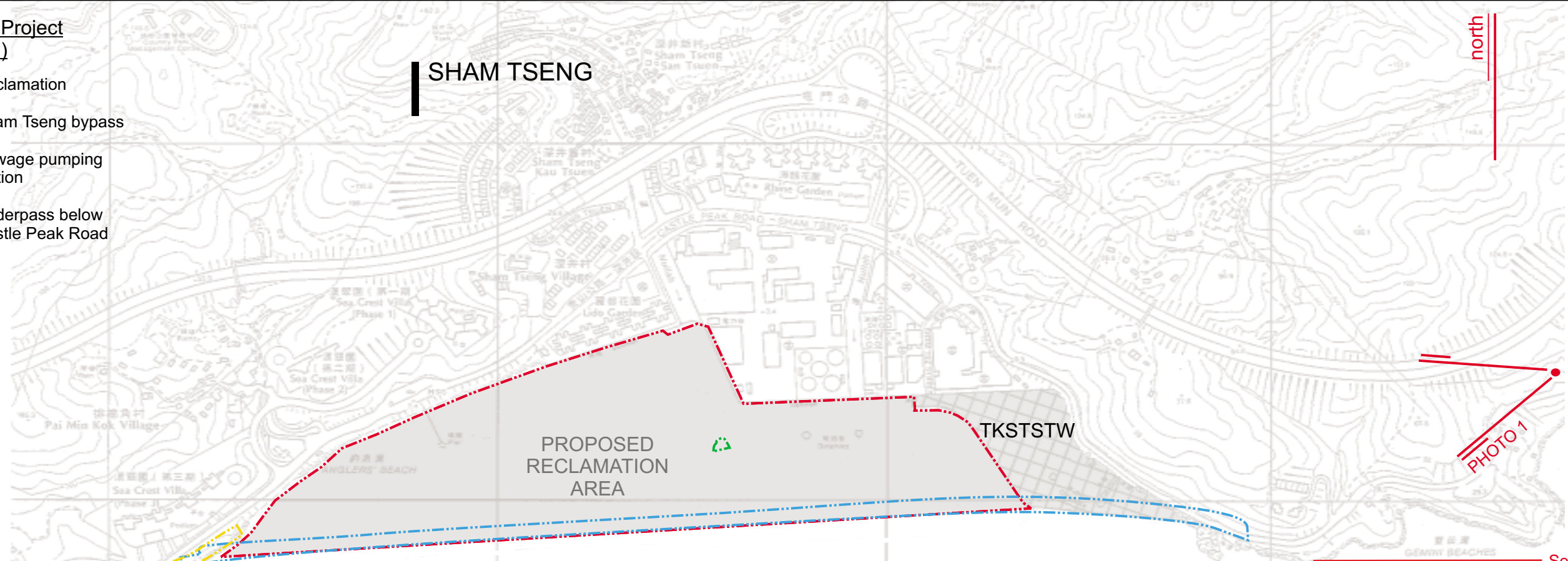
土木工程署
Civil Engineering
Department

**Designated Project
(Schedule 2)**

-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road

SHAM TSENG

north



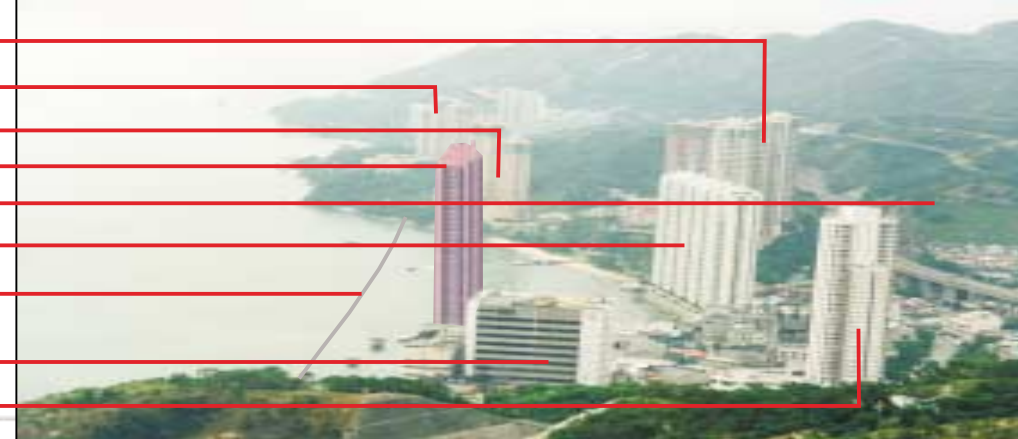
PROPOSED RECLAMATION AREA

TKSTSTW

PHOTO 1

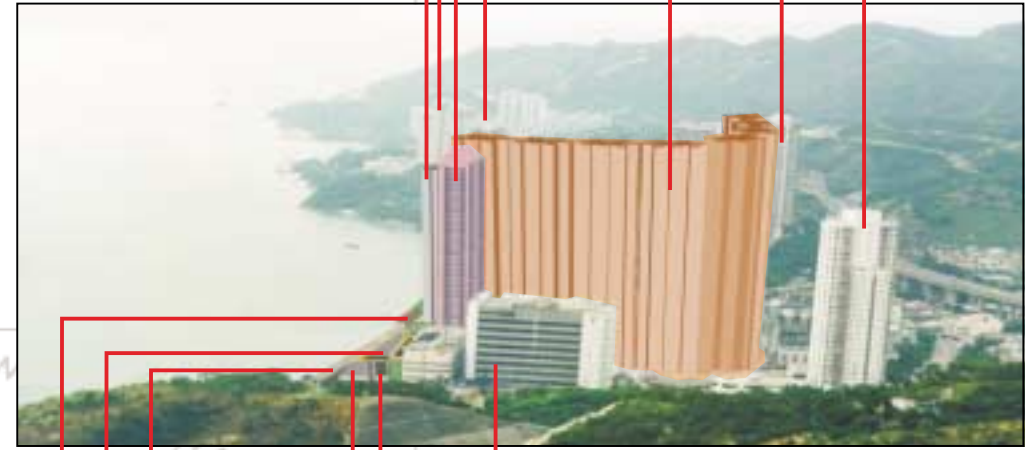
PHOTO 1

- Sea Crest Villa Phase I
- Sea Crest Villa Phase III
- Sea Crest Villa Phase II
- Union Carbide CDA
- Primarily Natural Hillside
- Lido Garden
- Approximate Line of proposed reclamation
- Garden Bakery
- Rhine Terrace



VIEW FROM EAST RIDGE-LINE OVER SHAM TSENG (BEFORE DEVELOPMENT)

- Union Carbide CDA
- Sea Crest Villa Phase III
- Site 5
- Sea Crest Villa Phase II
- San Miguel CDA
- Sea Crest Villa Phase I
- Rhine Terrace



VIEW FROM EAST RIDGE-LINE OVER SHAM TSENG (AFTER DEVELOPMENT)

- Landscaped Promenade above Bypass
- Sewage Treatment Facilities for Sham Tseng Further Reclamation
- Elevated Bypass

- Garden Bakery
- Electricity Sub-Station
- Ting Kau & Sham Tseng Sewage Treatment Works

SCALE



 Development outside the Project Area

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**View from Ridge over Sham Tseng,
Looking West**

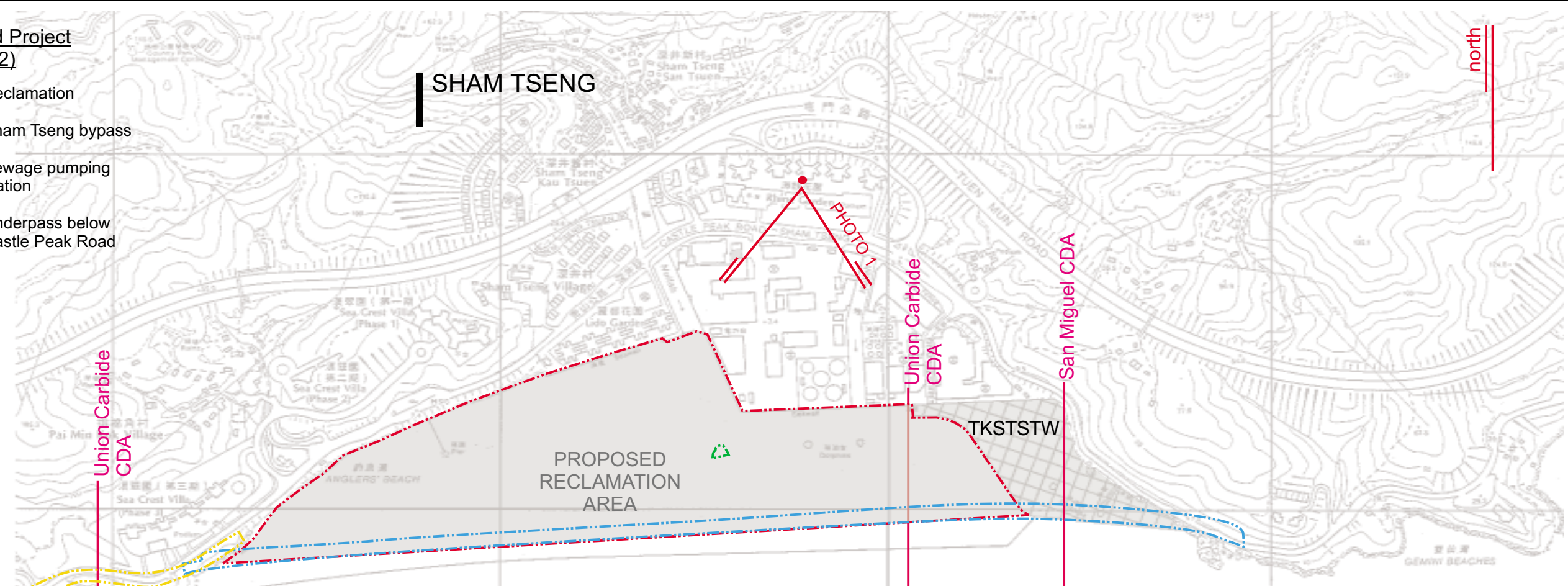
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	7.10e		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	
Approved 批准	Date 日期	Status 現況	
	MS	06/2001	Preliminary

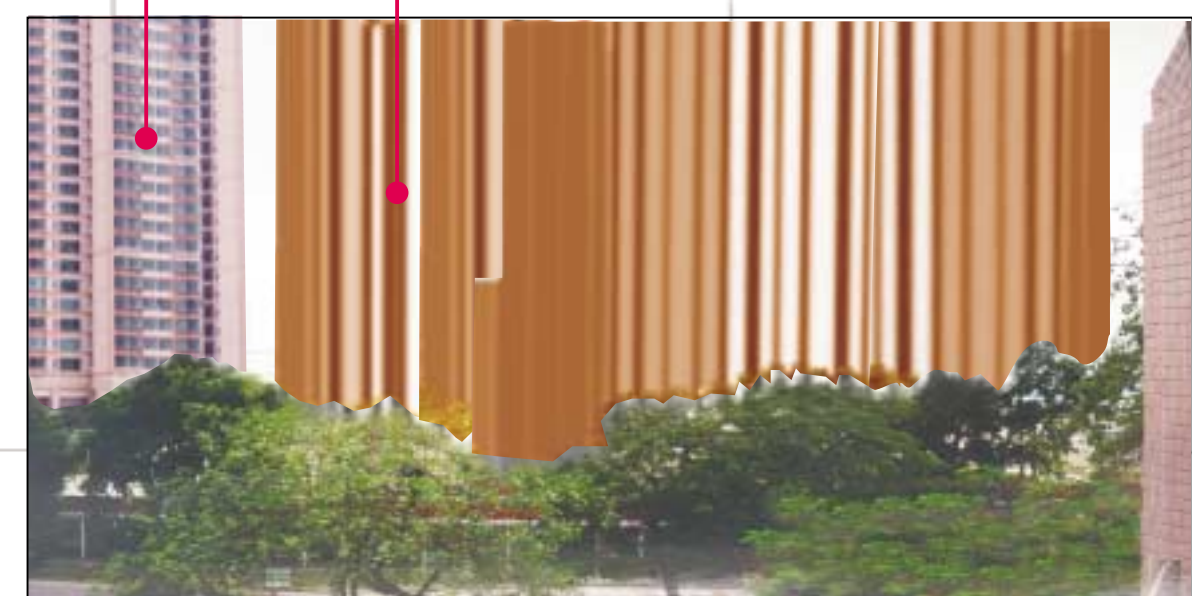
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Civil Engineering
Department

Designated Project (Schedule 2)

-  Reclamation
-  Sham Tseng bypass
-  Sewage pumping station
-  Underpass below Castle Peak Road

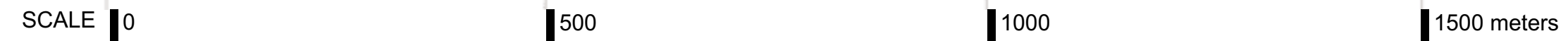


Before Development - Photograph from Rhine Garden



After Development - Photomontage from Rhine Garden

 Development outside the Project Area



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 PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Typical View from Rhine Garden

Drawing No. 圖則編號	7.10f		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary

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**Designated Project
(Schedule 2)**

- Limit of Reclamation
- Sham Tseng bypass
- Sewage pumping station
- Underpass below Castle Peak Road



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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Plan Demonstrating the Effectiveness of Mitigation Measures			
Drawing No. 圖則編號	Figure 7.12a		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例 N.T.S.
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Widened Castle Peak Road at
Western Side Reclamation
(Existing Condition)
View from Sea Crest Villa Phase 2**

Drawing No.
圖則編號

Figure 7.12b

Designed
設計

CMO

Drawn
繪圖

NYH

Checked
複核

RLWK

Date
日期

06/2001

Scale
比例

N.T.S.

Approved
批准

PL

Status
現況

Preliminary



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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Proposed Sham Tseng Bypass
 (Without Landscape
 Mitigation Measures)
 View from Sea Crest Villa Phase 2**

Drawing No.
 圖則編號

Figure 7.12c

Designed
 設計 CMO

Drawn
 繪圖 NYH

Checked
 複核 RLWK

Scale
 比例 N.T.S.

Approved
 批准 PL

Date
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Status
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Proposed Sham Tseng Bypass with
Landscape Mitigation Measures
(at Day 1 of Operation Stage)
View from Sea Crest Villa Phase 2**

Drawing No.
圖則編號

Figure 7.12d

Designed
設計
CMO

Drawn
繪圖
NYH

Checked
複核
RLWK

Scale
比例
N.T.S.

Approved
批准
PL

Date
日期
06/2001

Status
現況
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Proposed Sham Tseng Bypass
 with Landscape Mitigation
 (at Day 10 Years of Operation Stage)
 View from Sea Crest Villa Phase 2**

Drawing No.
圖則編號

Figure 7.12e

Designed
設計 CMO

Drawn
繪圖 NYH

Checked
複核 RLWK

Scale
比例 N.T.S.

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Sea Crest Villa Phase 3
VSR7

Widened
Castle Peak Road

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Proposed Extension of
Promenade above Sham Tseng Bypass
(Existing Condition)
View from Sea Crest Villa Phase 2**

Drawing No.
圖則編號

Figure 7.12f

Designed
設計
CMO

Drawn
繪圖
NYH

Checked
複核
RLWK

Scale
比例
N.T.S.

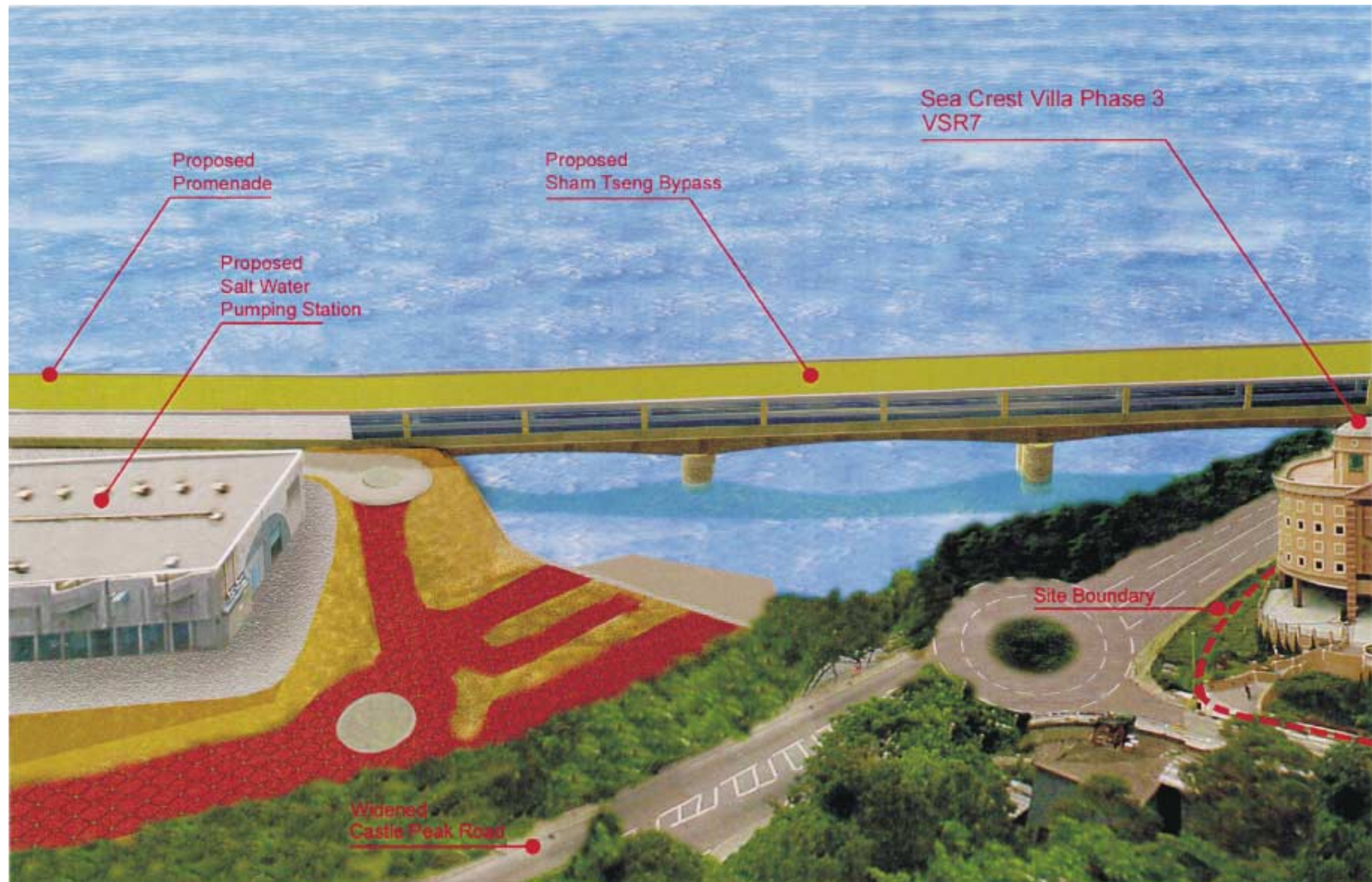
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PL

Date
日期
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現況
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Proposed Extension of
 Promenade above Sham Tseng Bypass
 (Without Landscape Mitigation Measure)
 View from Sea Crest Villa Phase 2**

Drawing No.
 圖則編號

Figure 7.12g

Designed
 設計 CMO

Drawn
 繪圖 NYH

Checked
 複核 RLWK

Scale
 比例 N.T.S.

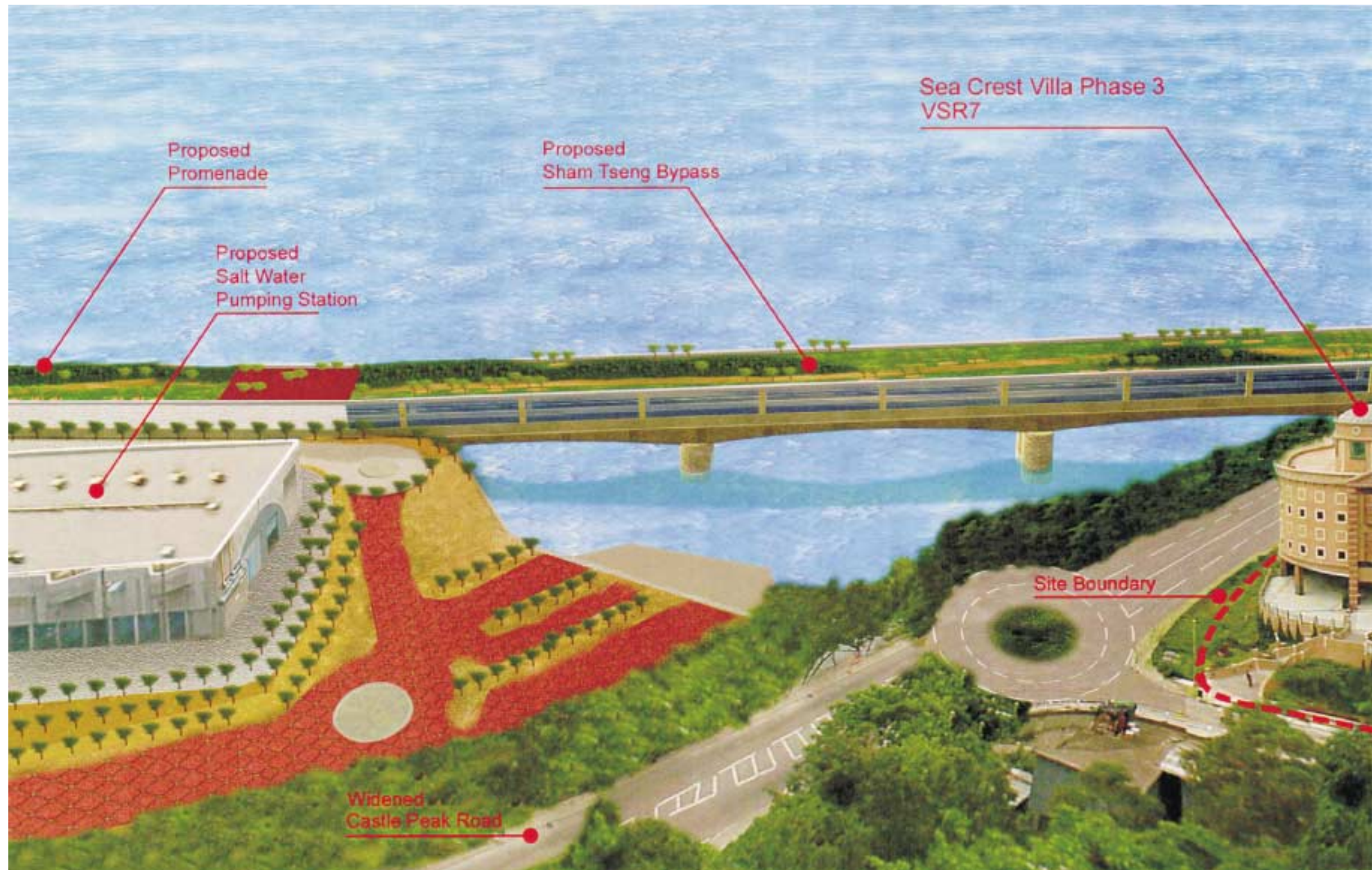
Approved
 批准 PL

Date
 日期 06/2001

Status
 現況 Preliminary



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Proposed Extension of Promenade above Sham Tseng Bypass with Landscape Mitigation Measures (at Day 1 of Operation Stage) View from Sea Crest Villa Phase 2

Drawing No.
圖則編號

Figure 7.12h

Designed
設計

CMO

Drawn
繪圖

NYH

Checked
複核

RLWK

Date
日期

06/2001

Status
現況

Preliminary

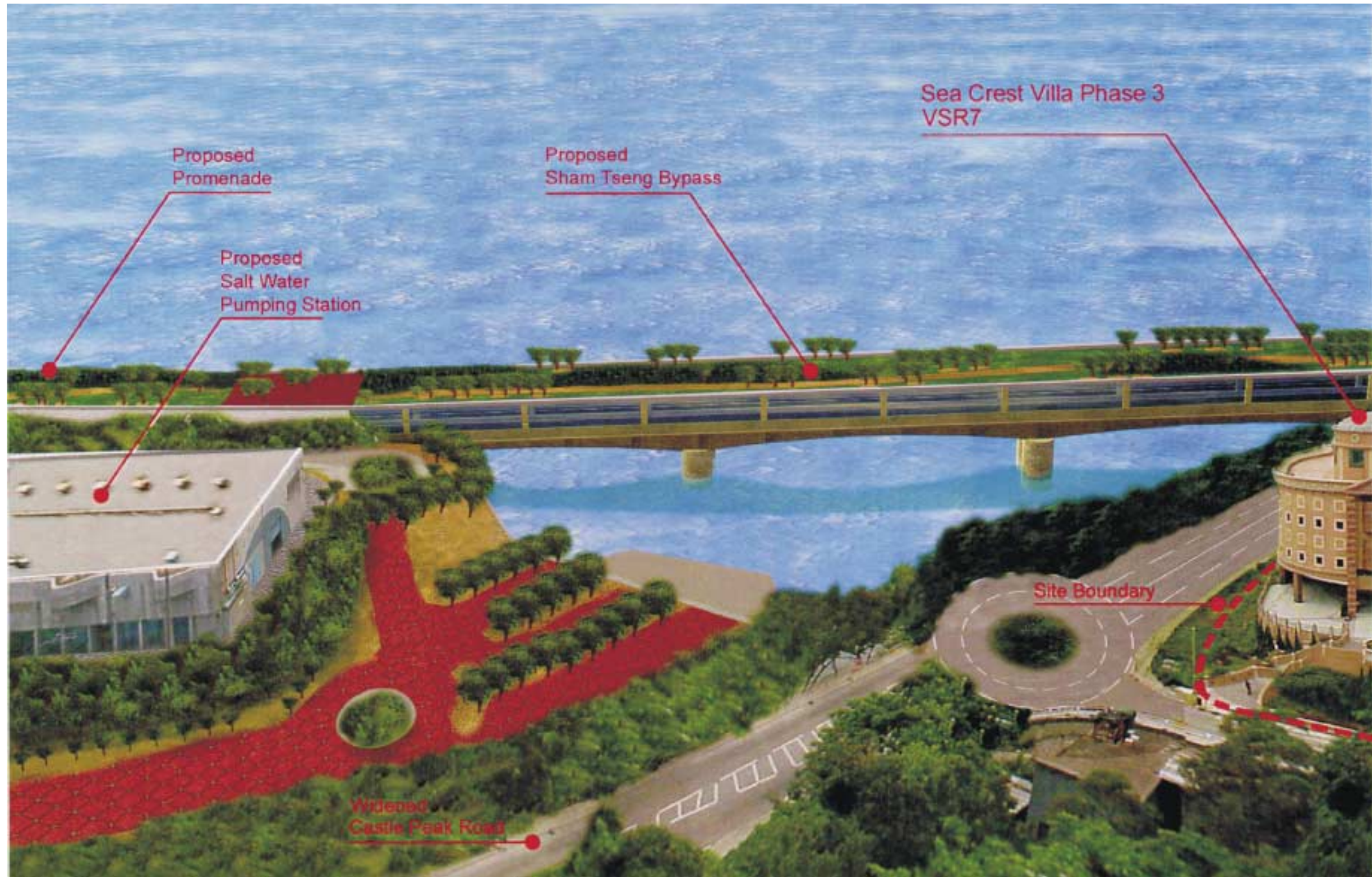
Scale
比例

N.T.S.

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT



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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Proposed Extension of
 Promenade above Sham Tseng Bypass
 with Landscape Mitigation Measures
 (at Day 10 Years of Operation Stage)
 View from Sea Crest Villa Phase 2**

Drawing No.
 圖則編號

Figure 7.12i

Designed
 設計 CMO

Drawn
 繪圖 NYH

Checked
 複核 RLWK

Scale
 比例 N.T.S.

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Sea Crest Villa Phase 3
VSR7

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Proposed Noise Enclosure at
Widened Castle Peak Road next to
Sea Crest Villa Phase 3
(Existing Condition)
View from Castle Peak Road, Looking West**

Drawing No.
圖則編號

Figure 7.12j

Designed
設計
CMO

Drawn
繪圖
NYH

Checked
複核
RLWK

Scale
比例
N.T.S.

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批准
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日期
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Proposed Noise Enclosure at
 Widened Castle Peak Road next to
 Sea Crest Villa Phase 3
 (Without Landscape Mitigation Measure)
 View from Castle Peak Road, Looking West**

Drawing No.
 圖則編號

Figure 7.12k

Designed
 設計
 CMO

Drawn
 繪圖
 NYH

Checked
 複核
 RLWK

Scale
 比例
 N.T.S.

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Date
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Proposed Noise Enclosure at
 Widened Castle Peak Road next to
 Sea Crest Villa Phase 3
 with Landscape Mitigation Measures
 (at Day 1 of Operation Stage)
 View from Castle Peak Road, Looking West**

Drawing No.
 圖則編號

Figure 7.121

Designed
 設計 CMO

Drawn
 繪圖 NYH

Checked
 複核 RLWK

Scale
 比例 N.T.S.

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
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**Proposed Noise Enclosure at
 Widened Castle Peak Road next to
 Sea Crest Villa Phase 3
 with Landscape Mitigation Measures
 (at Day 10 Years of Operation Stage)
 View from Castle Peak Road, Looking West**

Drawing No.
 圖則編號

Figure 7.12m

Designed
 設計 CMO

Drawn
 繪圖 NYH

Checked
 複核 RLWK

Scale
 比例 N.T.S.

Approved
 批准

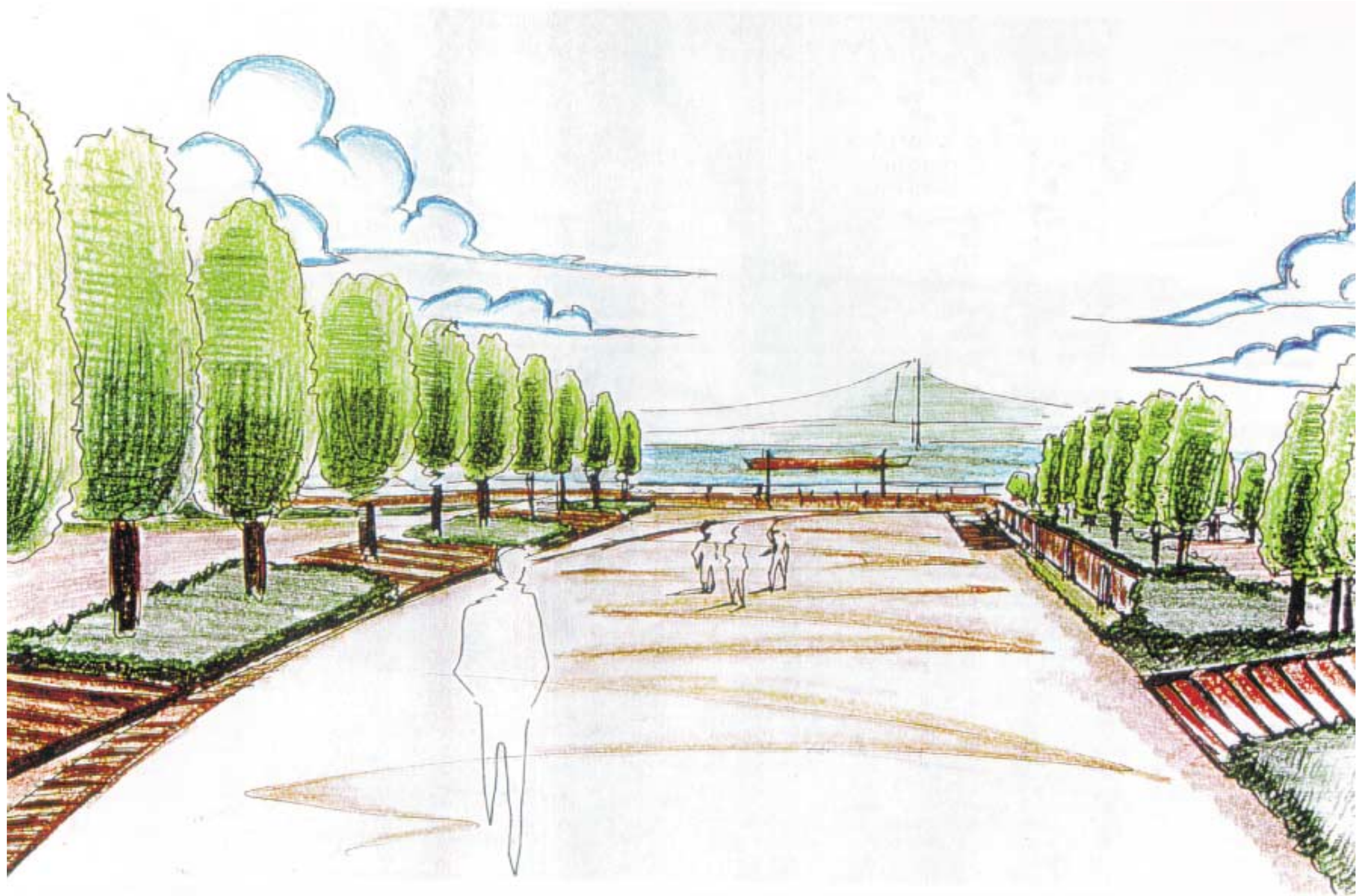
PL

Date
 日期 06/2001

Status
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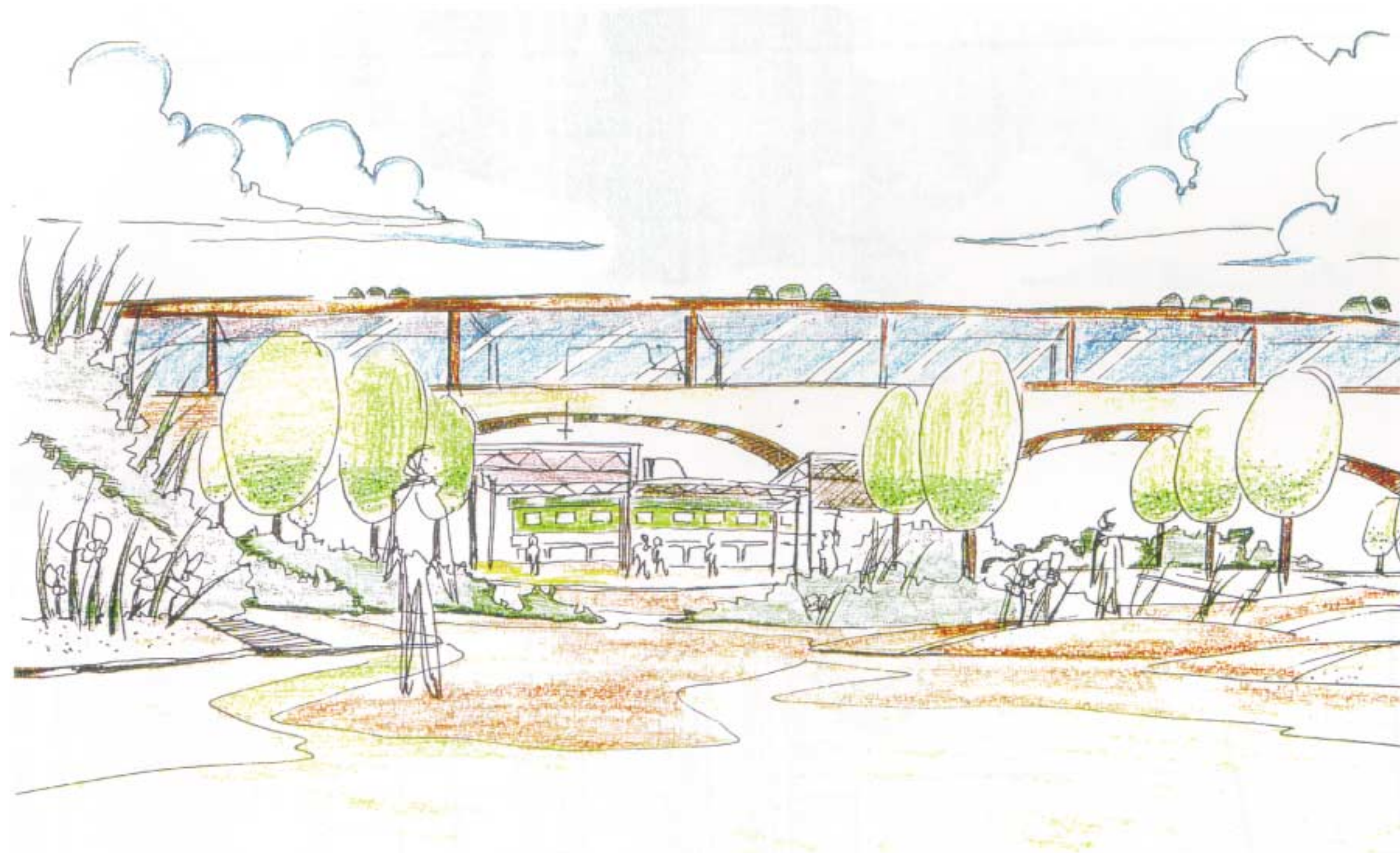
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Sketch Showing View from
 Amenity Area above
 West Nullah Deck**

Drawing No. 圖則編號	7.12n		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例
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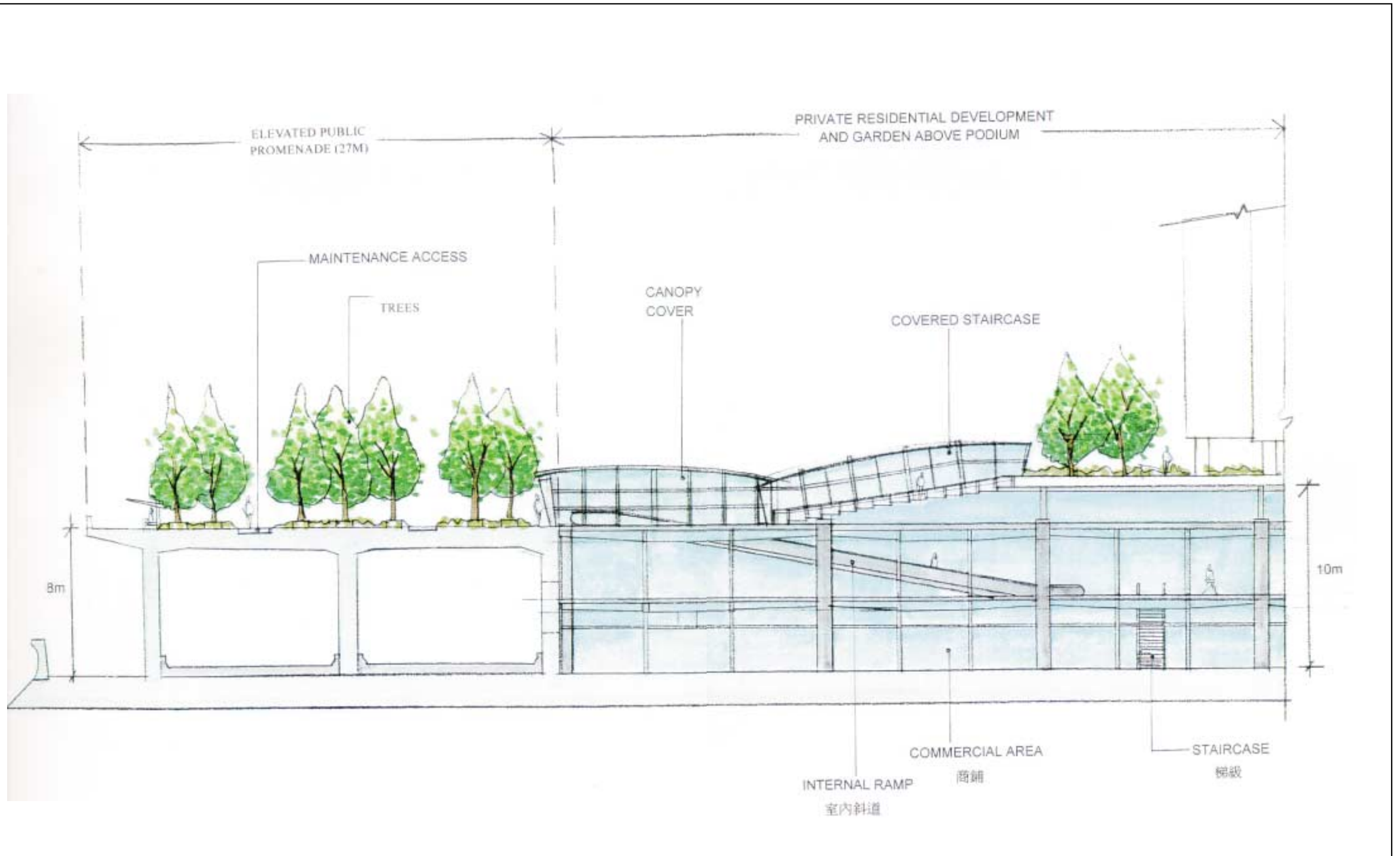
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Sketch Showing View from
 Western Coastal Park**

Drawing No. 圖則編號	7.12o		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary



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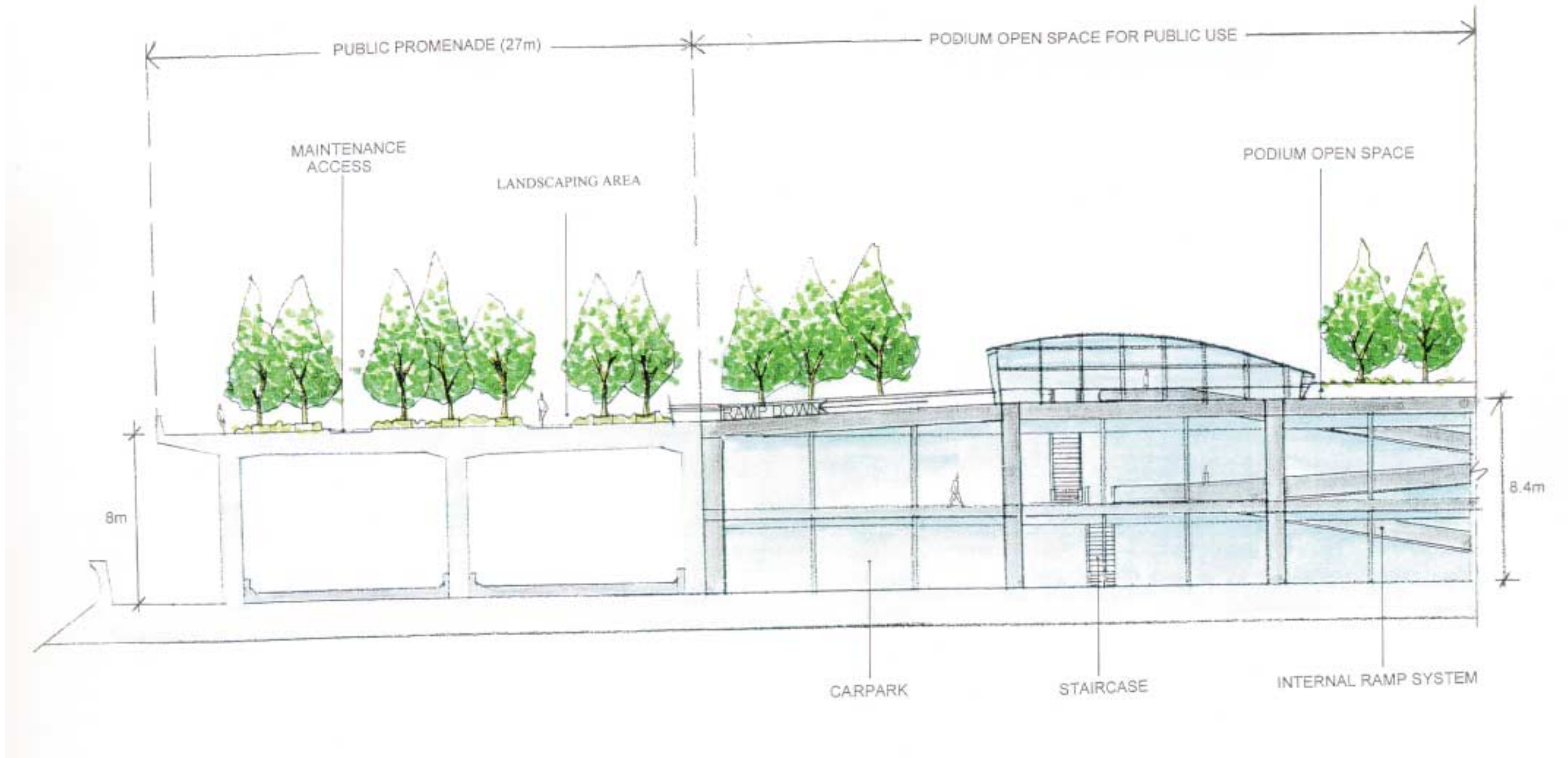
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Preliminary Pedestrian Access to
 Promenade - Section 1 Staircase /Ramp**

Drawing No. 圖則編號	Figure 7.12p		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例 N.T.S.
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary



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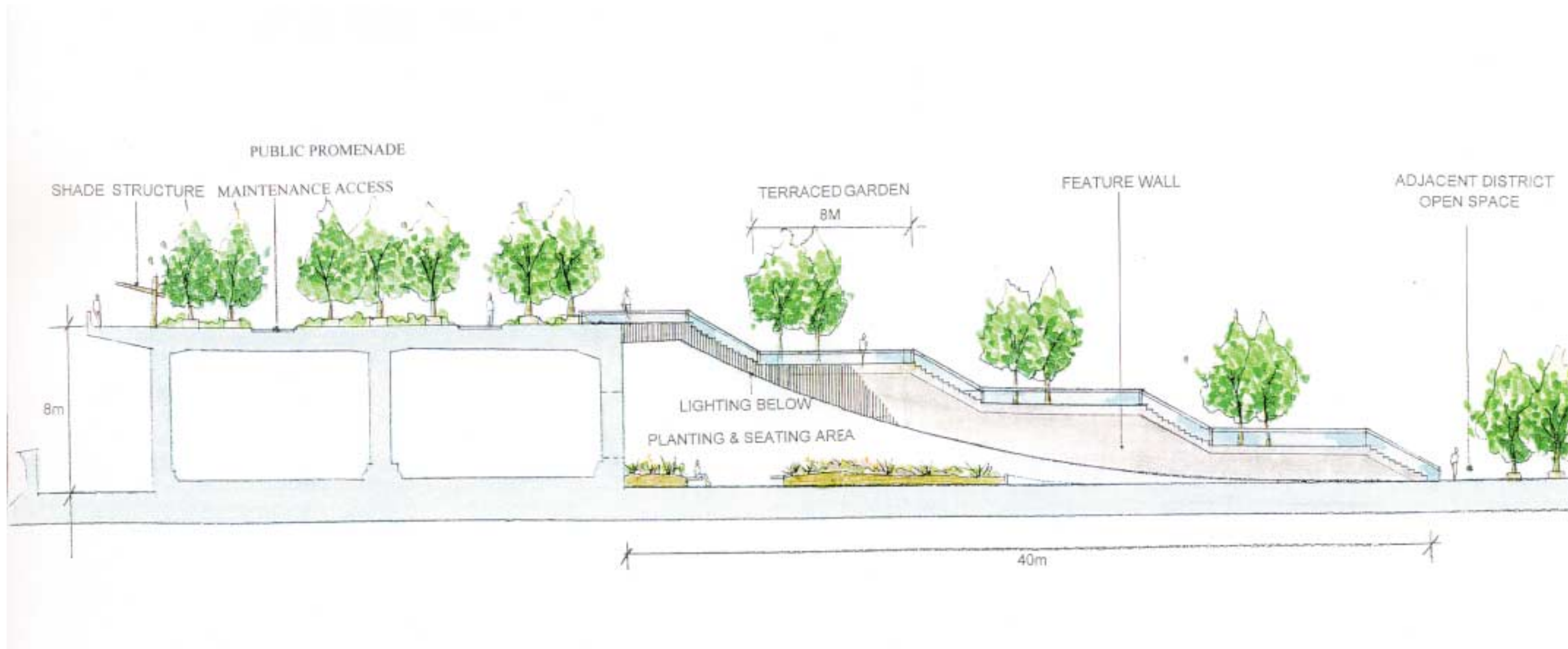


PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Indicative Pedestrian Access to
 Promenade (Section 2 on MLP)**

Drawing No. 圖則編號	Figure 7.12q		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	N.T.S.
Approved 批准	Date 日期	Status 現況	
MS	06/2001	Preliminary	





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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Indicative Pedestrian Access to
Promenade (Section 3 on MLP)**

Drawing No.
圖則編號

Figure 7.12r

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Date
日期

06/2001

Scale
比例

N.T.S.

Approved
批准

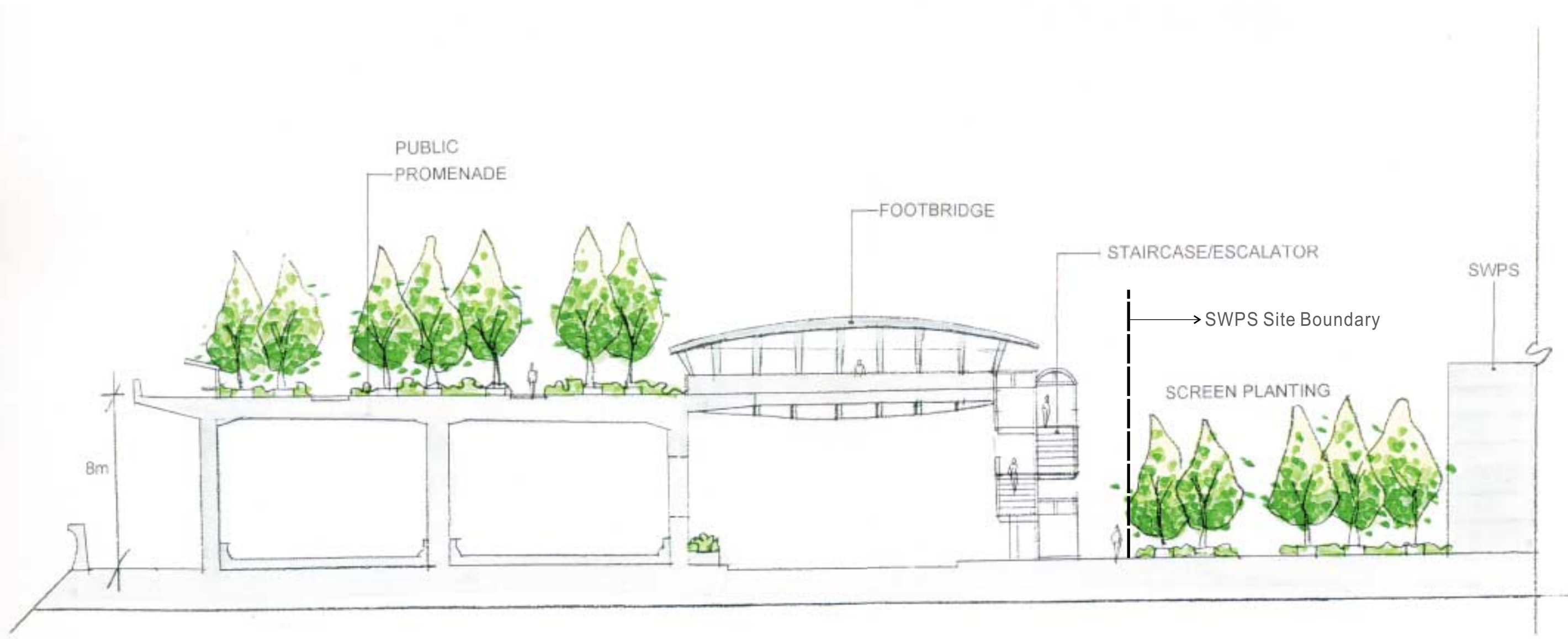
MS

Status
現況

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Indicative Connection
 between the Western Coastal Park and
 the Promenade (Section 4 on MLP)**

Drawing No.
 圖則編號

Figure 7.12s

Designed
 設計

Drawn
 繪圖

GL

Checked
 複核

AW

Date
 日期

06/2001

Scale
 比例

N.T.S.

Approved
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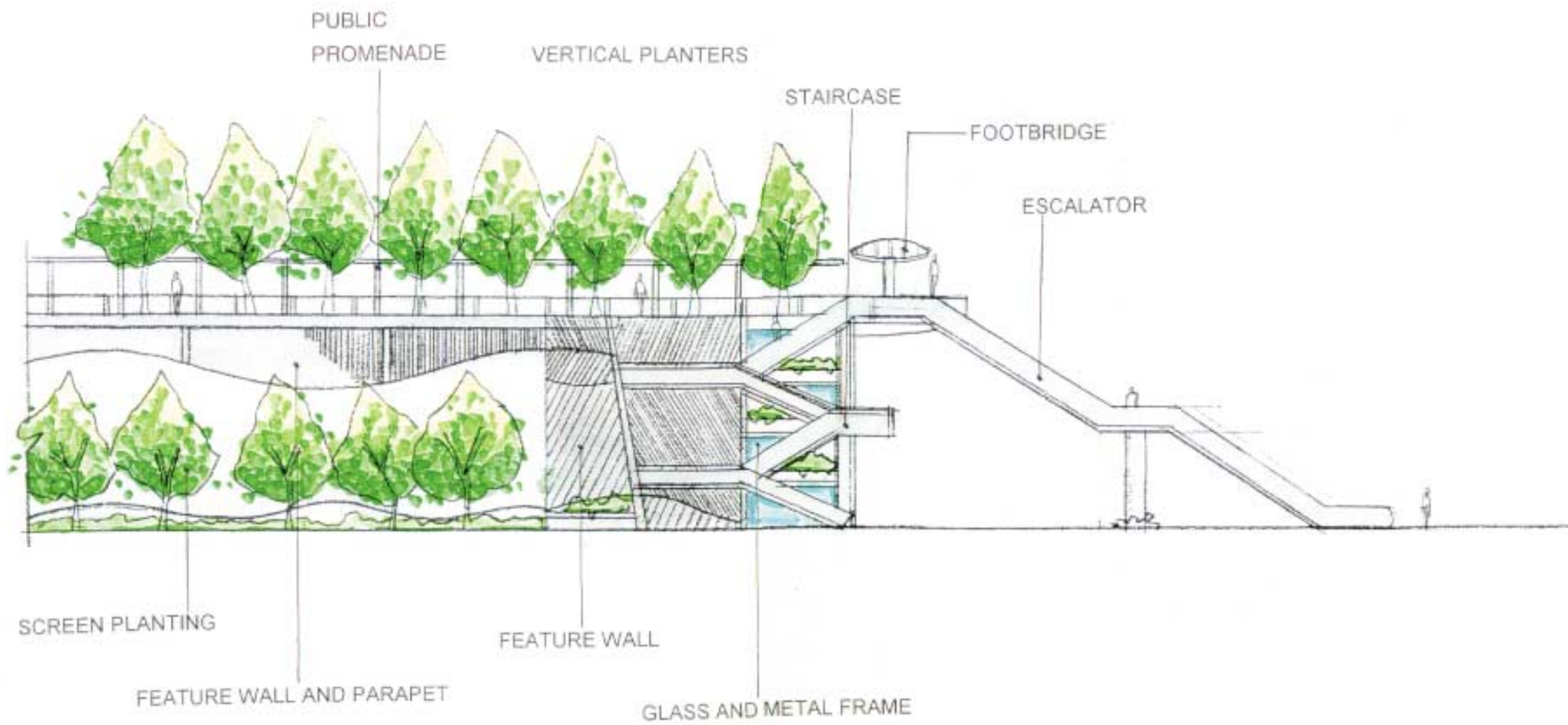
MS

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

**Indicative Connection
 between the Western Coastal Park and
 the Promenade (Section 5 on MLP)**

Drawing No.
圖則編號

Figure 7.12t

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Date
日期

06/2001

Scale
比例

N.T.S.

Approved
批准

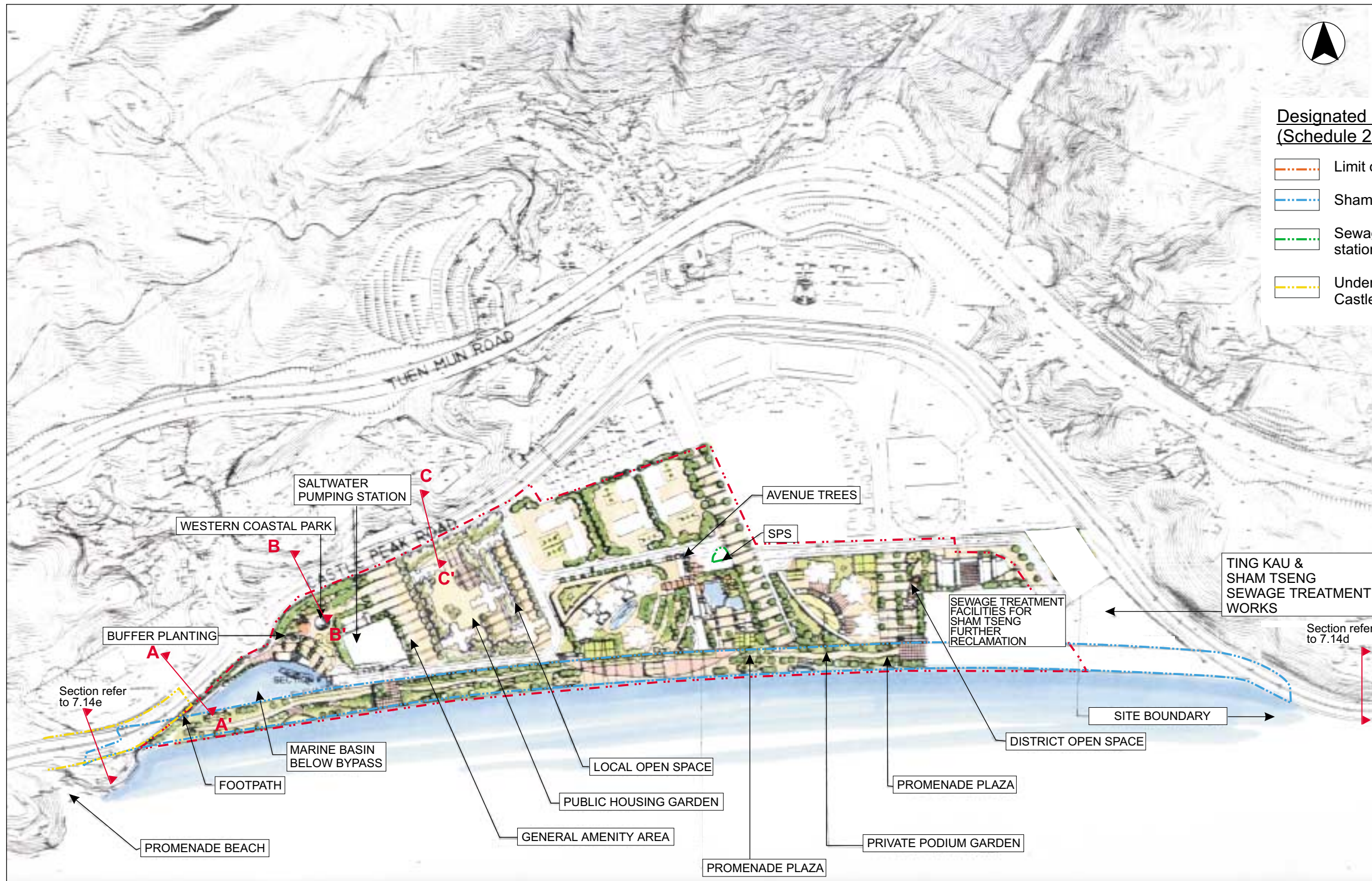
MS

Status
現況

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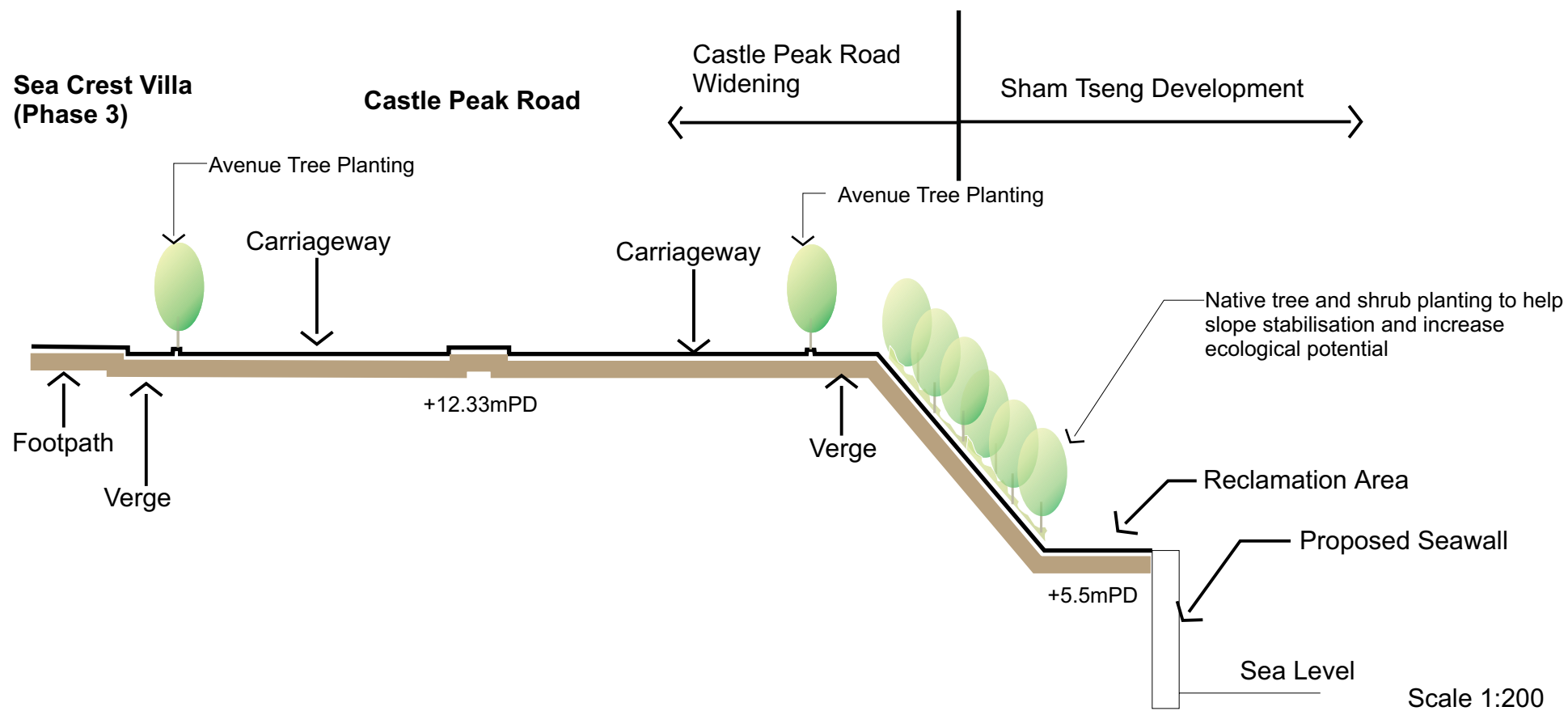


Cross Sections at Castle Peak Road

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	7.12u		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
Approved 批准	GL	AW	
	MS	Date 日期 06/2001	Status 現況 Preliminary





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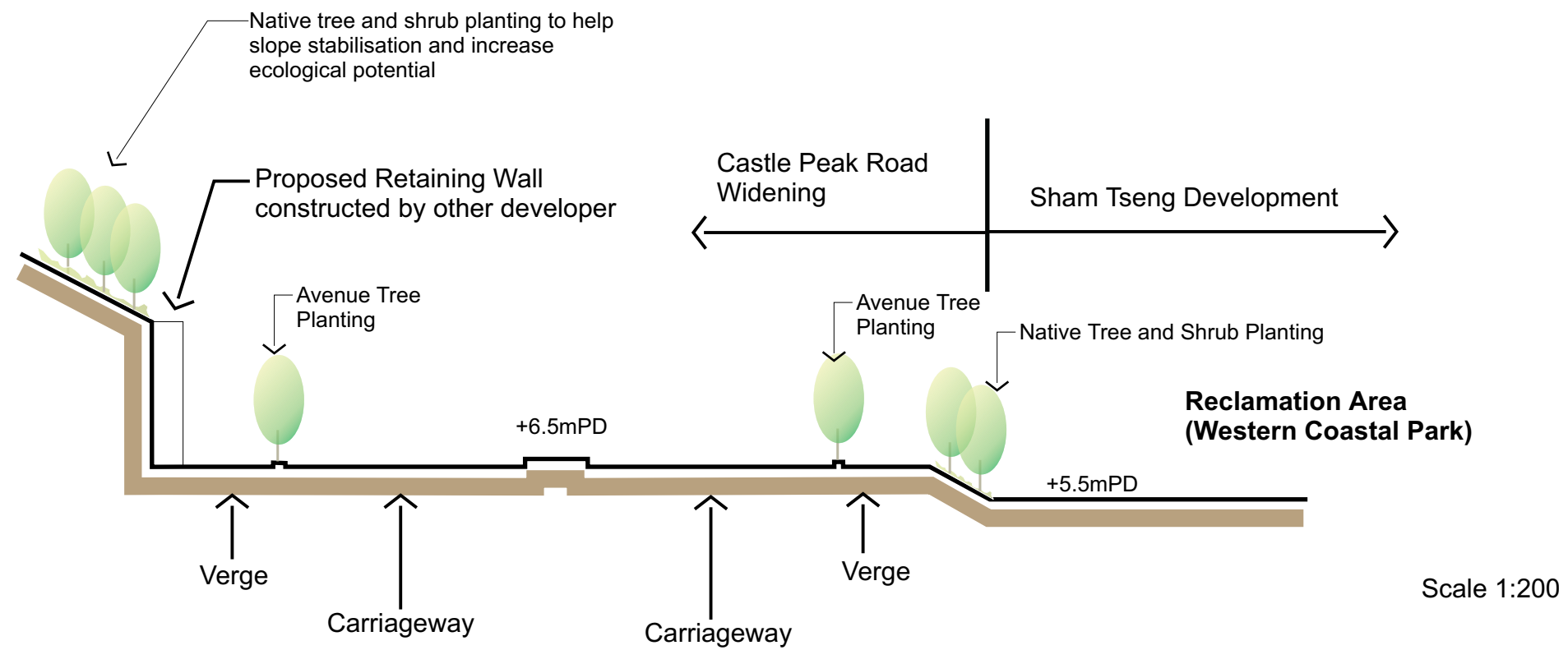
Section A-A'

Drawing No. 圖則編號	7.12v		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary



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 SHAM TSENG DEVELOPMENT



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Section B-B'

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No.
 圖則編號

7.12w

Designed
 設計

Drawn
 繪圖

GL

Checked
 複核

AW

Scale
 比例

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 批准

MS

Date
 日期

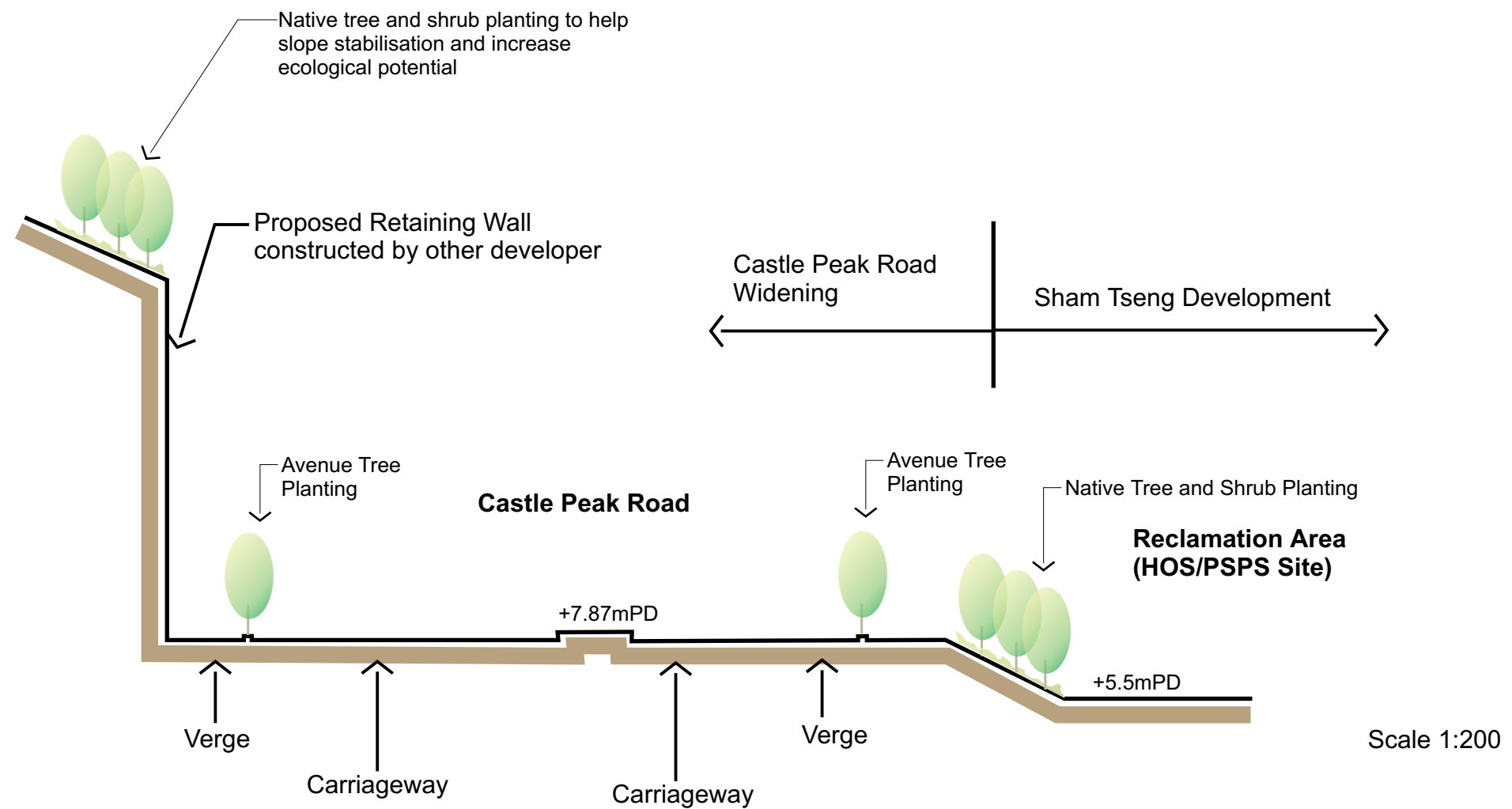
06/2001

Status
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Sectin C-C

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

7.12x

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

Approved
批准

MS

Date
日期

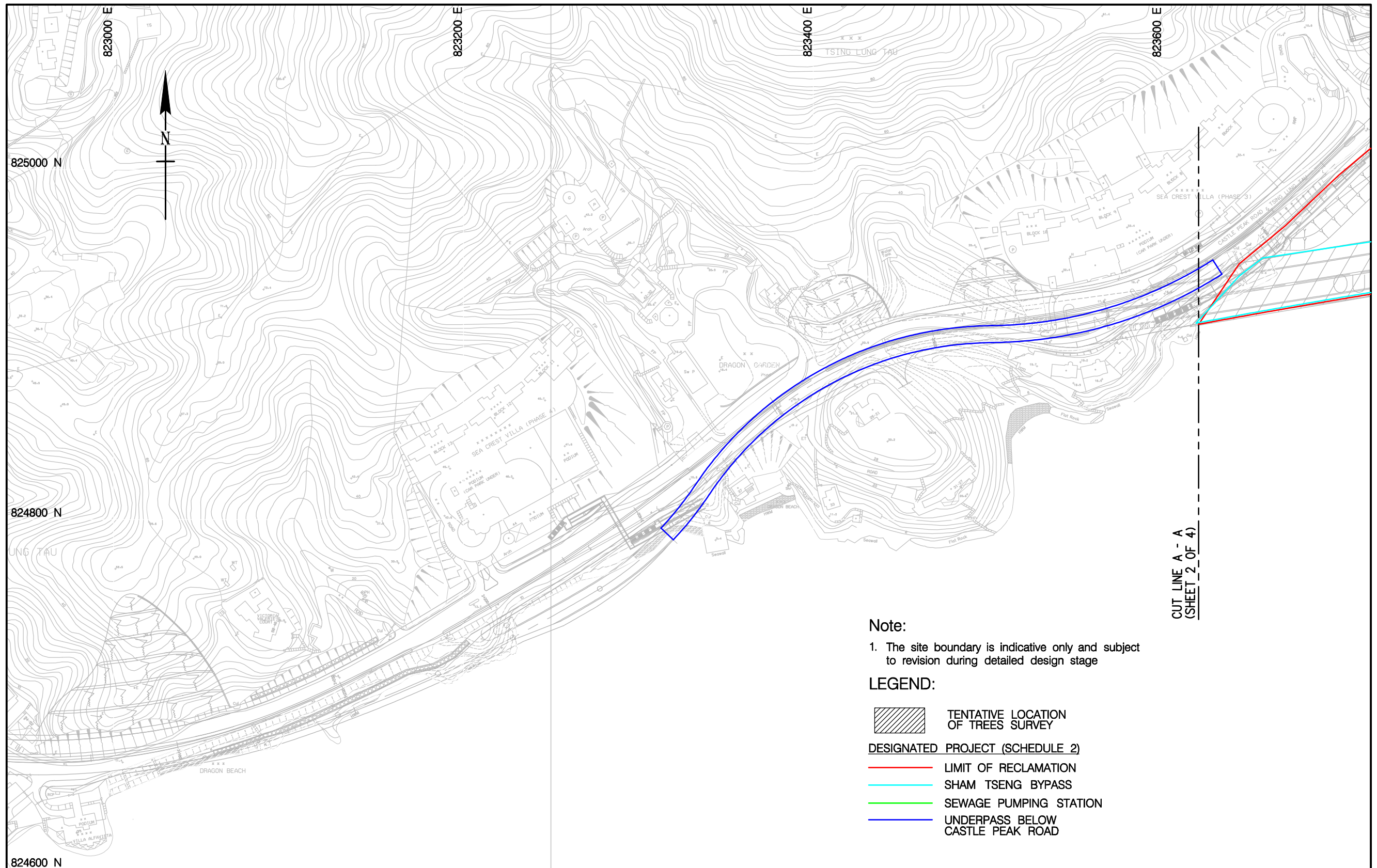
06/2001

Status
現況

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CUT LINE A - A
(SHEET 2 OF 4)

Note:

1. The site boundary is indicative only and subject to revision during detailed design stage

LEGEND:

-  TENTATIVE LOCATION OF TREES SURVEY
-  DESIGNATED PROJECT (SCHEDULE 2)
-  LIMIT OF RECLAMATION
-  SHAM TSENG BYPASS
-  SEWAGE PUMPING STATION
-  UNDERPASS BELOW CASTLE PEAK ROAD

824600 N


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PLANNING AND ENGINEERING FEASIBILITY STUDY
FOR SHAM TSENG DEVELOPMENT

TENTATIVE TREES SURVEY PLAN
(SHEET 1 OF 4)

DRAWING NO. 圖則編號	FIGURE 7.12y1		
DESIGNED 設計	DRAWN 繪圖 NYH	CHECKED 複核 WCW	SCALE 比例 1 : 2000
APPROVED 批准	DATE 日期	STATUS 現況 Preliminary	

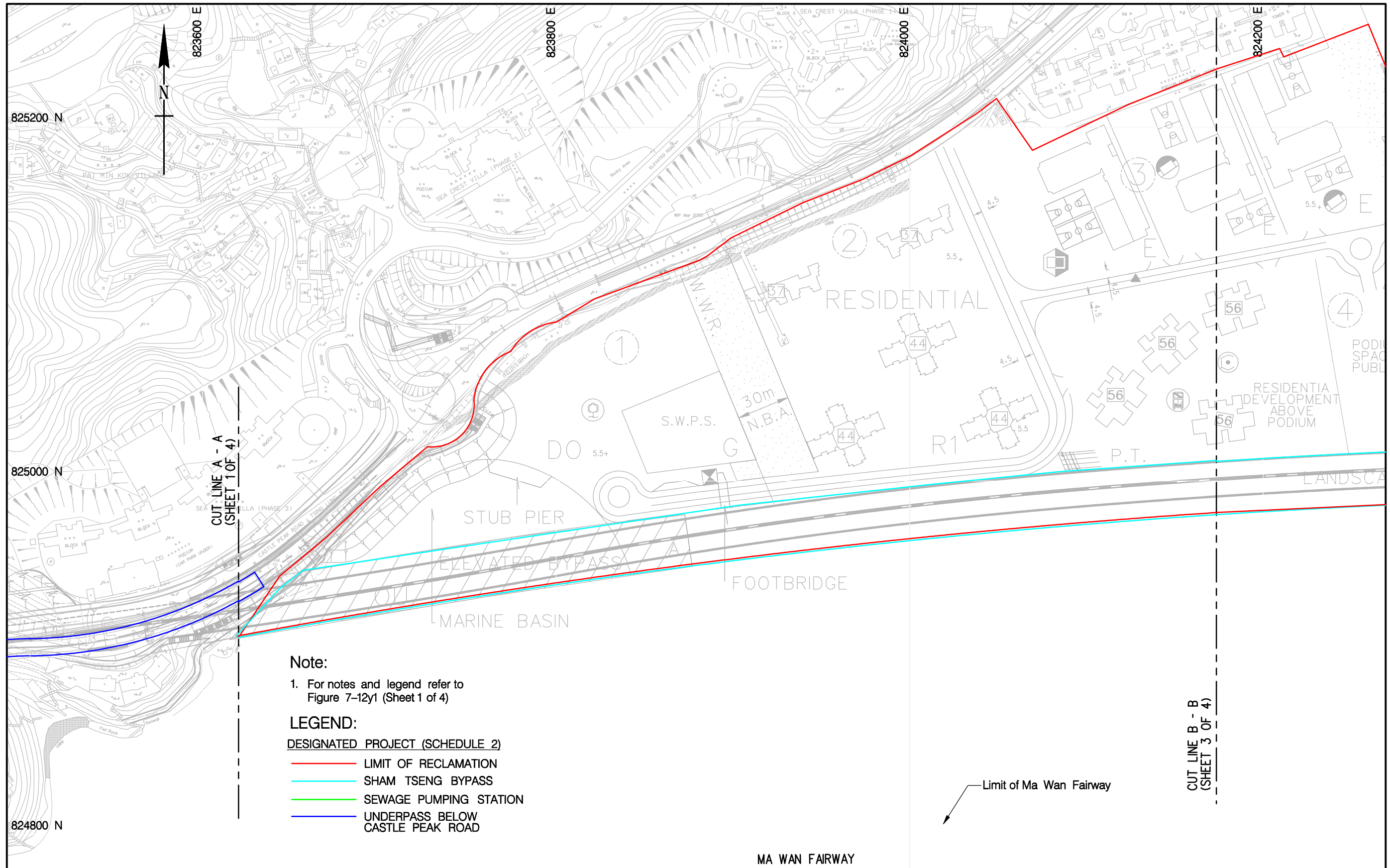


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SW CAD c:\current\7288\fig7-12y1.dgn 11-2001:8:41:24

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Note:
 1. For notes and legend refer to Figure 7-12y1 (Sheet 1 of 4)

- LEGEND:**
DESIGNATED PROJECT (SCHEDULE 2)
- LIMIT OF RECLAMATION
 - SHAM TSENG BYPASS
 - SEWAGE PUMPING STATION
 - UNDERPASS BELOW CASTLE PEAK ROAD

Limit of Ma Wan Fairway

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT



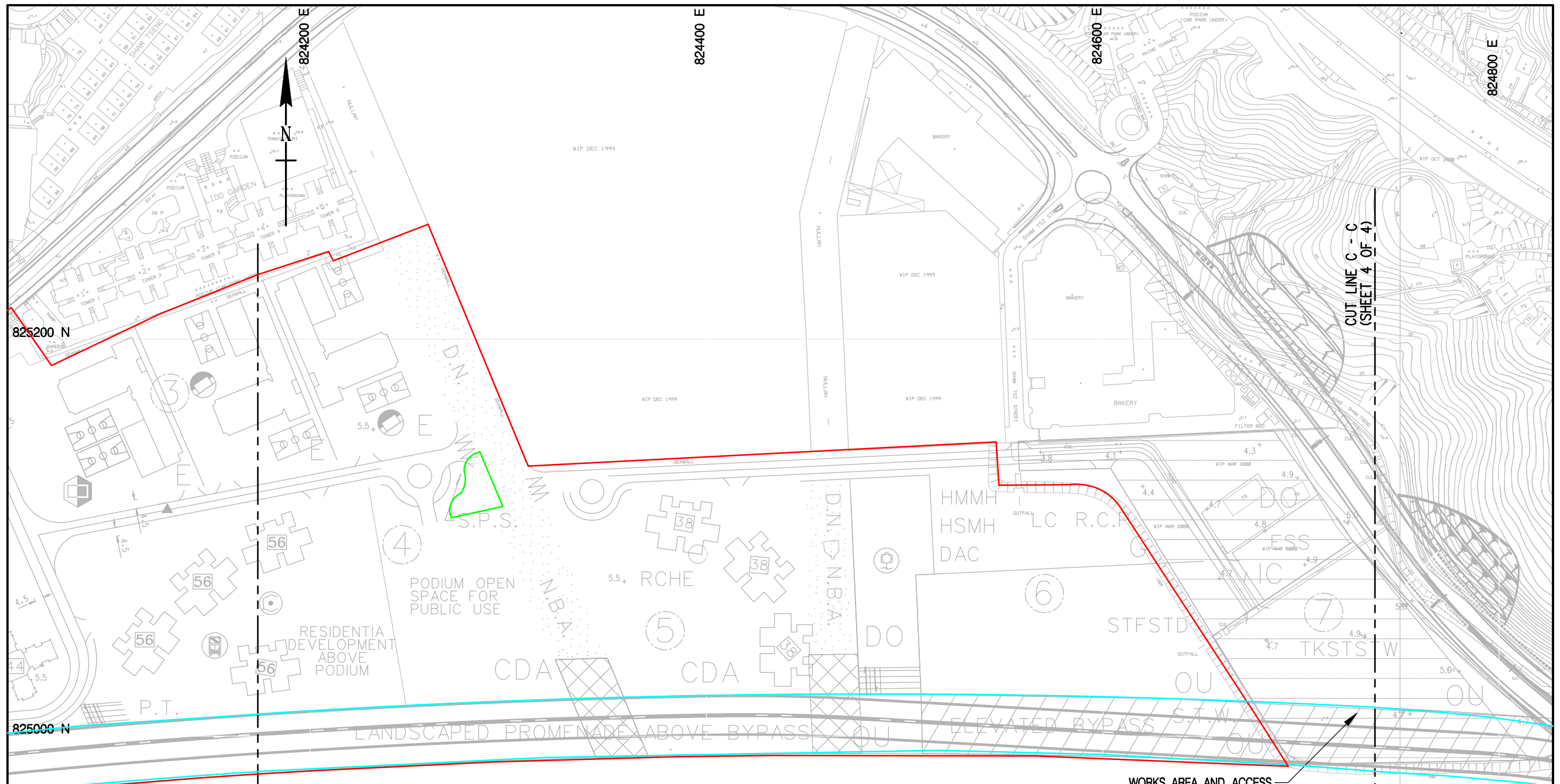
TENTATIVE TREES SURVEY PLAN (SHEET 2 OF 4)

DRAWING NO. 圖則編號		FIGURE 7.12y2	
DESIGNED 設計	DRAWN 繪圖 NYH	CHECKED 複核 WCW	SCALE 比例 1 : 2000
APPROVED 批准		DATE 日期	STATUS 現況 Preliminary



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CUT LINE B - B
(SHEET 3 OF 4)

CUT LINE C - C
(SHEET 4 OF 4)

Note:

1. For notes and legend refer to Figure 7.12y1 (Sheet 1 of 4)

LEGEND:

DESIGNATED PROJECT (SCHEDULE 2)

- LIMIT OF RECLAMATION
- SHAM TSENG BYPASS
- SEWAGE PUMPING STATION
- UNDERPASS BELOW CASTLE PEAK ROAD

WORKS AREA AND ACCESS FOR THE CONSTRUCTION OF SHAM TSENG BYPASS WITHIN THE PLANNED SHAM TSENG SEWAGE TREATMENT WORKS AREA IN ACCORDANCE WITH CLAUSE 31 OF ENGINEERING CONDITIONS FOR PERMANENT LAND ALLOCATIONS

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**TENTATIVE TREES SURVEY PLAN
(SHEET 3 OF 4)**

PLANNING AND ENGINEERING FEASIBILITY STUDY
FOR SHAM TSENG DEVELOPMENT

DRAWING NO.
圖則編號

FIGURE 7.12y3

DESIGNED
設計

DRAWN
繪圖

NYH

CHECKED
複核

WCW

SCALE
比例

1 : 2000

APPROVED
批准

DATE
日期

STATUS
現況

Preliminary



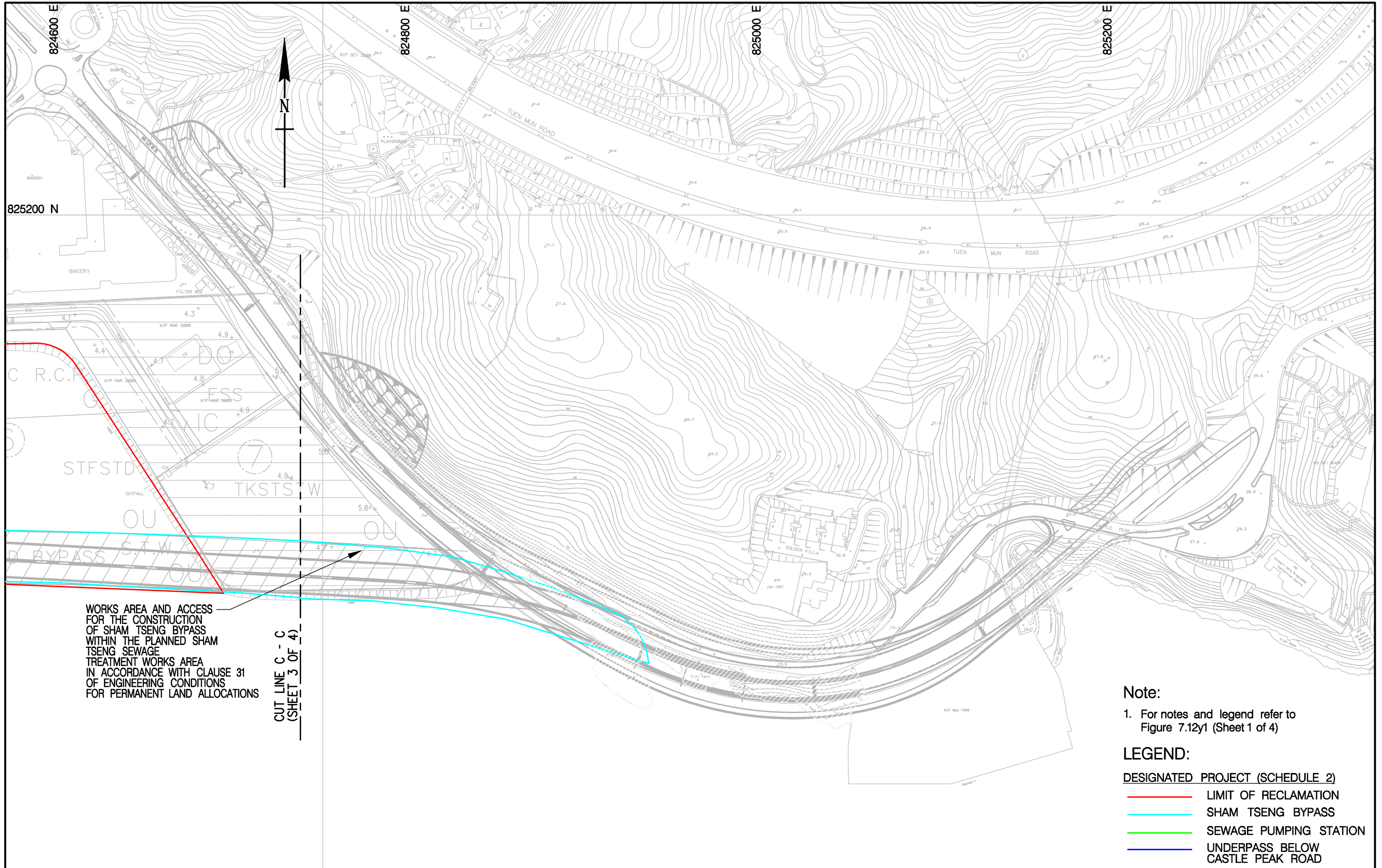
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WORKS AREA AND ACCESS FOR THE CONSTRUCTION OF SHAM TSENG BYPASS WITHIN THE PLANNED SHAM TSENG SEWAGE TREATMENT WORKS AREA IN ACCORDANCE WITH CLAUSE 31 OF ENGINEERING CONDITIONS FOR PERMANENT LAND ALLOCATIONS

CUT LINE C - C (SHEET 3 OF 4)

Note:
1. For notes and legend refer to Figure 7.12y1 (Sheet 1 of 4)

- LEGEND:**
- DESIGNATED PROJECT (SCHEDULE 2)
- LIMIT OF RECLAMATION
 - SHAM TSENG BYPASS
 - SEWAGE PUMPING STATION
 - UNDERPASS BELOW CASTLE PEAK ROAD

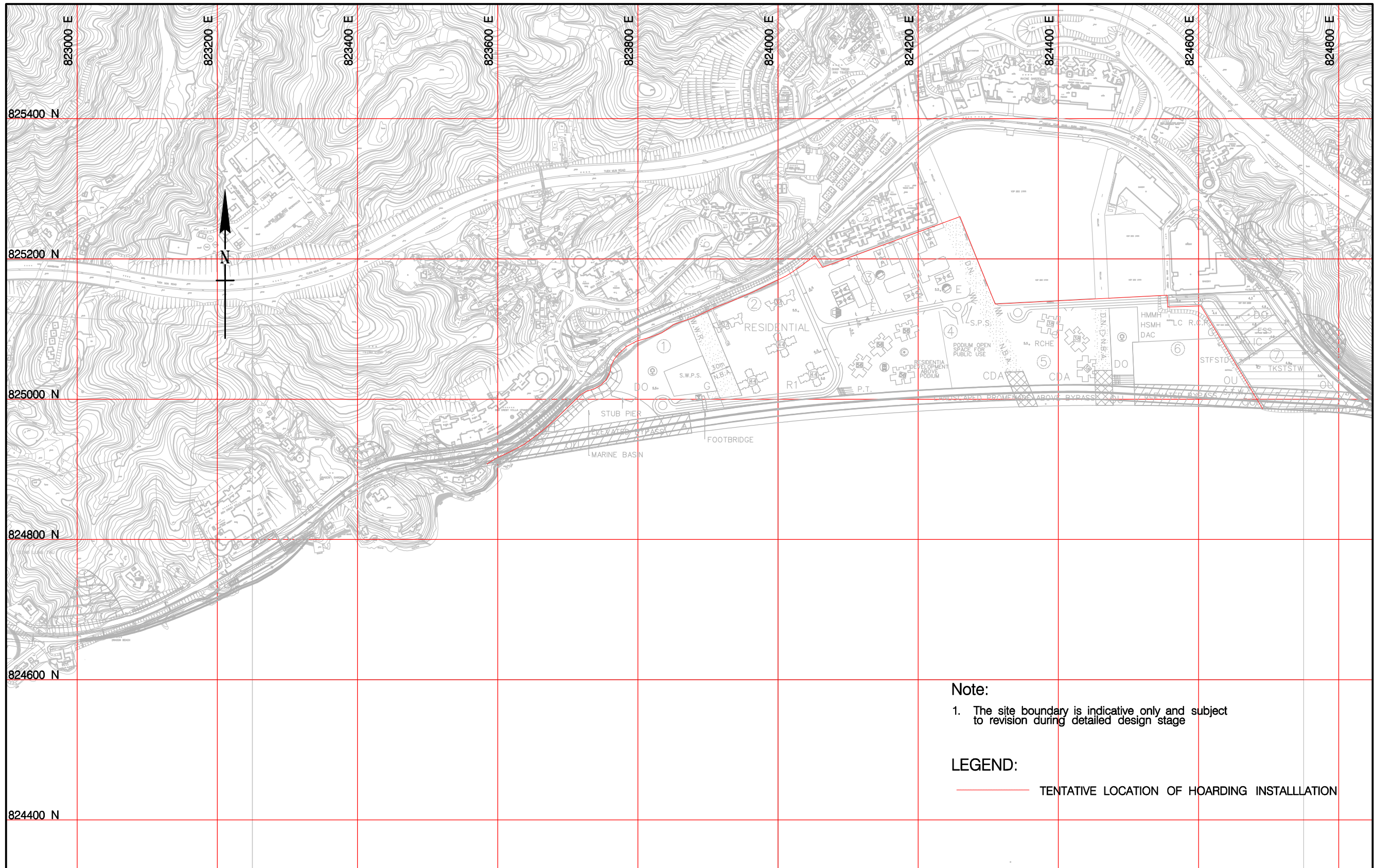
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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

TENTATIVE TREES SURVEY PLAN (SHEET 4 OF 4)

DRAWING NO. 圖則編號	FIGURE 7.12y4		
DESIGNED 設計	DRAWN 繪圖	CHECKED 複核	SCALE 比例
	NYH	WCW	1 : 2000
APPROVED 批准	DATE 日期	STATUS 現況	Preliminary

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香港
HONG KONG 土木工程署



Note:

1. The site boundary is indicative only and subject to revision during detailed design stage

LEGEND:

— TENTATIVE LOCATION OF HOARDING INSTALLATION

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PLANNING AND ENGINEERING FEASIBILITY STUDY
FOR SHAM TSENG DEVELOPMENT

**TENTATIVE LOCATIONS OF
HOARDING INSTALLATION**

DRAWING NO.
圖則編號

FIGURE 7.12z

DESIGNED
設計 NYH

DRAWN
繪圖 WCW

CHECKED
覆核

SCALE
比例 1 : 5000

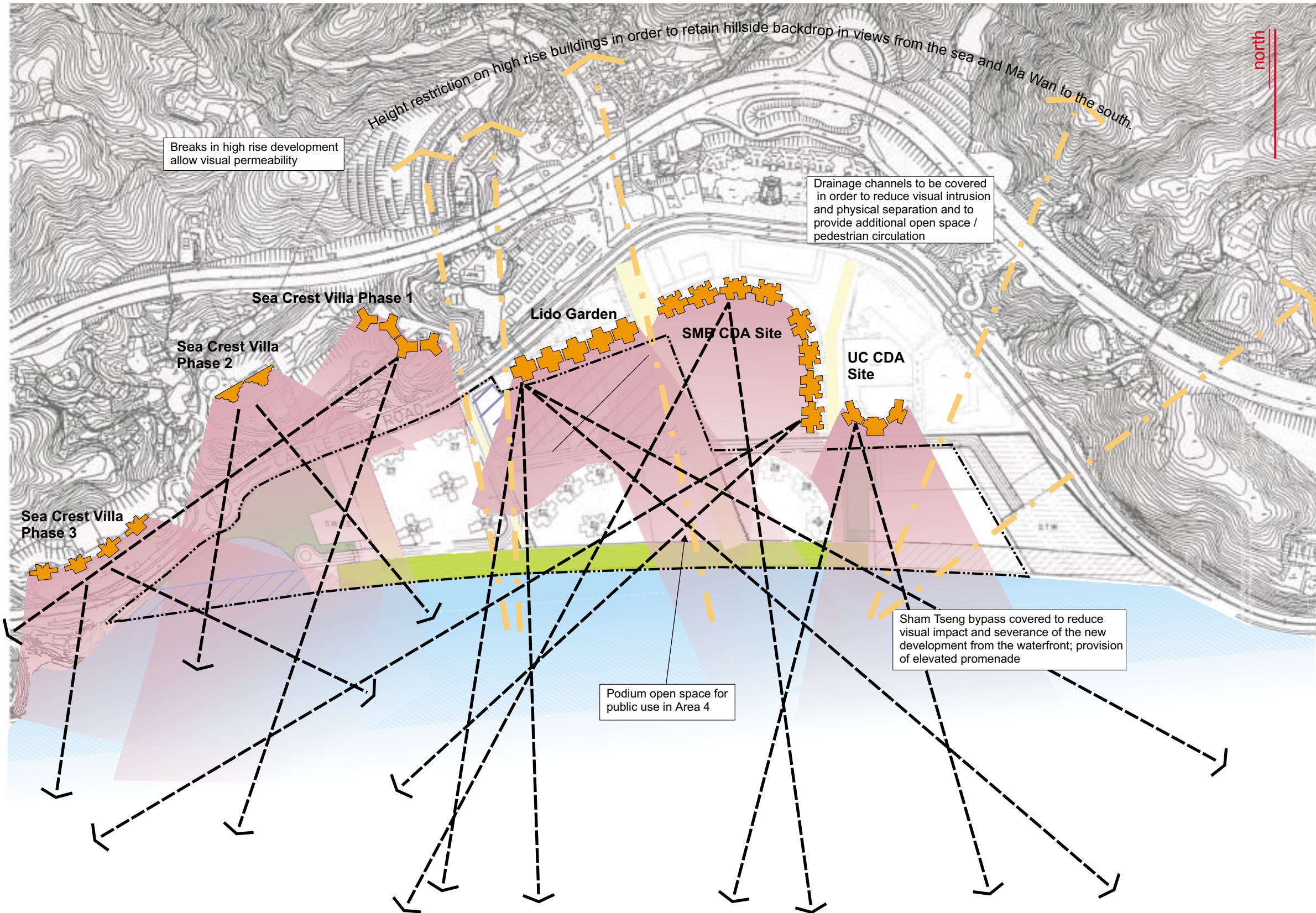
APPROVED
批准

DATE
日期




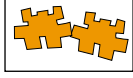

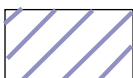

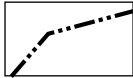
STATUS
現況 Preliminary



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DEPARTMENT 香港
HONG KONG 土木工程署



LEGEND

-  Public Open Space Provision
-  Public open space / circulation at waterfront
-  Views through development to ridgeline
-  Adjacent high-rise development with sea view
-  Sea views retained
-  School buildings provide separation between high rise development
-  Drainage reserve / channel
-  Reclamation boundary

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Master Development Plan Concepts

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	7.14a		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	
Approved 批准	Date 日期	Status 現況	
	MS	06/2001	Preliminary



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LEGEND

- District Open Space
- Green Link: pedestrian route on decked nullah
- Waterfront promenade (above bypass)
- Promenade Beach (new access)
- Buffer planting alongside road / STW
- Pedestrian Link
- New access to Promenade Beach
- Footbridge
- * Connection with promenade
- At grade road crossing
- Open views across water from promenade
- Leisure and Social Welfare Facilities
- Landscaped Deck over Road
- Publicly accessible open space on development podium in Area 4
- Limit of Reclamation

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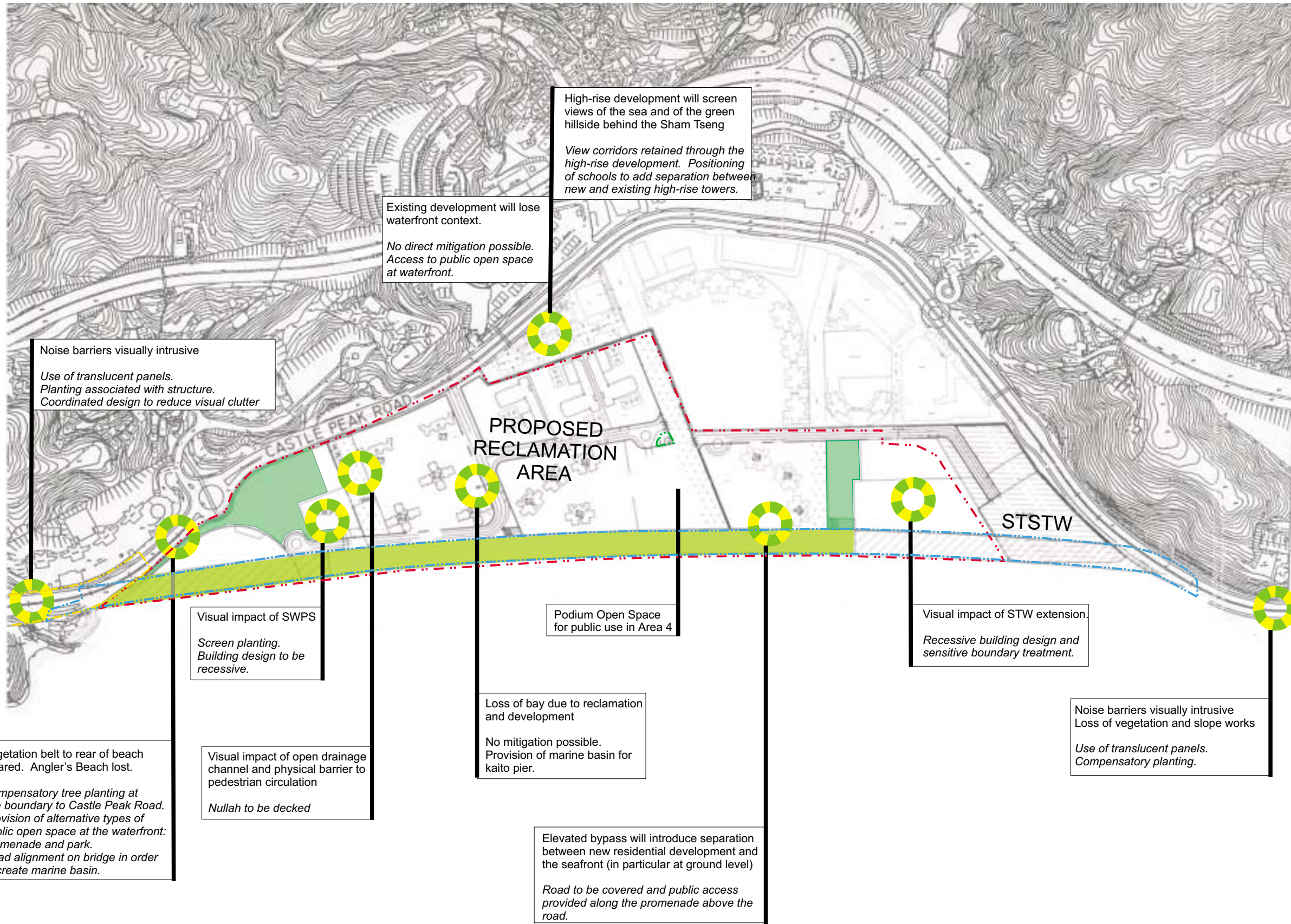


Landscape Masterplan Concept

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

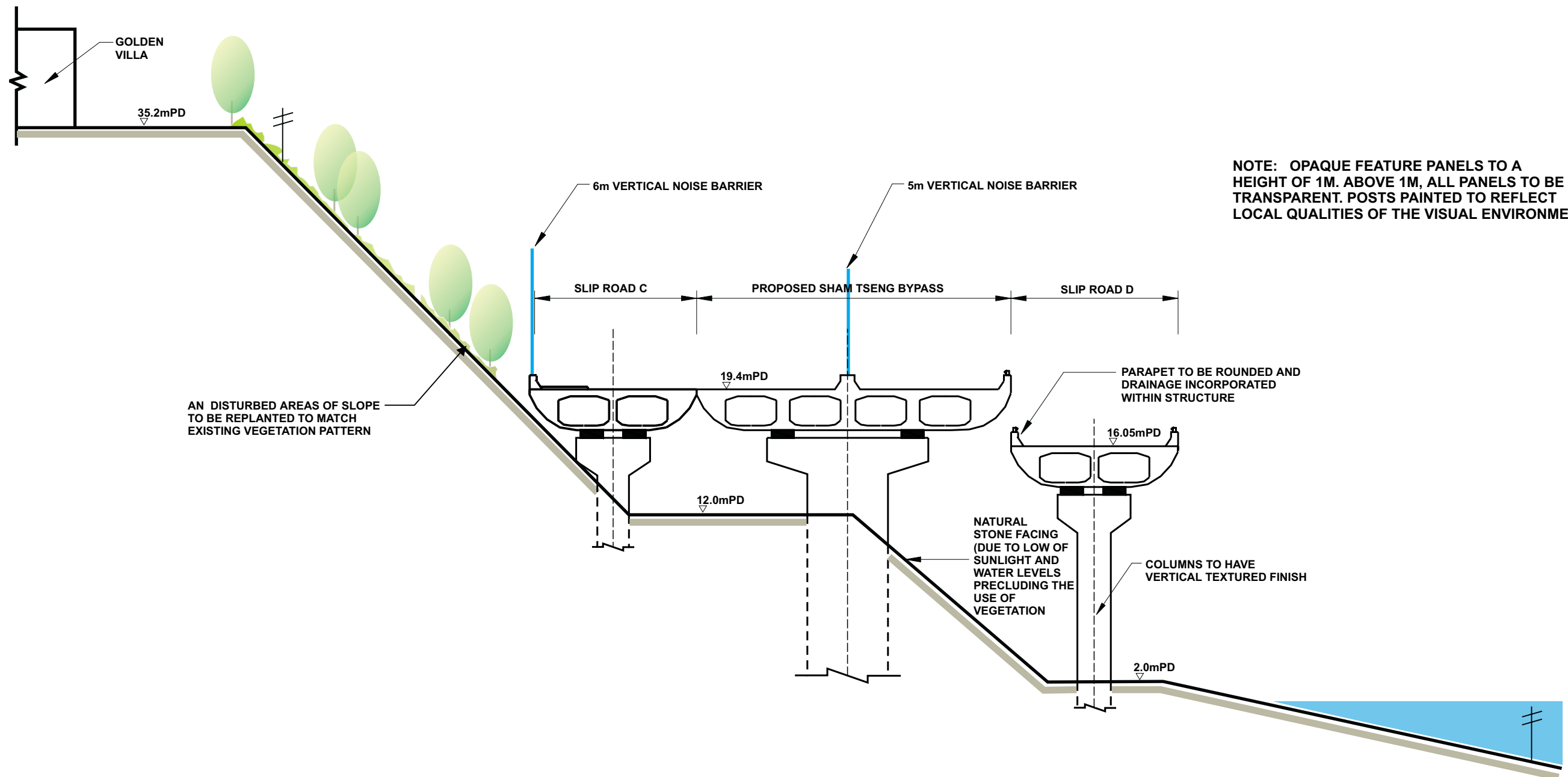
Drawing No. 圖則編號	7.14b		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	N.T.S.
Approved 批准	Date 日期	Status 現況	
MS	06/2001	Preliminary	





- Designated Project (Schedule 2)**
- Limit of Reclamation
 - Sham Tseng bypass
 - Sewage pumping station
 - Underpass below Castle Peak Road

Drawing No. 圖則編號	7.14c		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	
Approved 批准	MS	Date 日期	Status 現況
		06/2001	Preliminary



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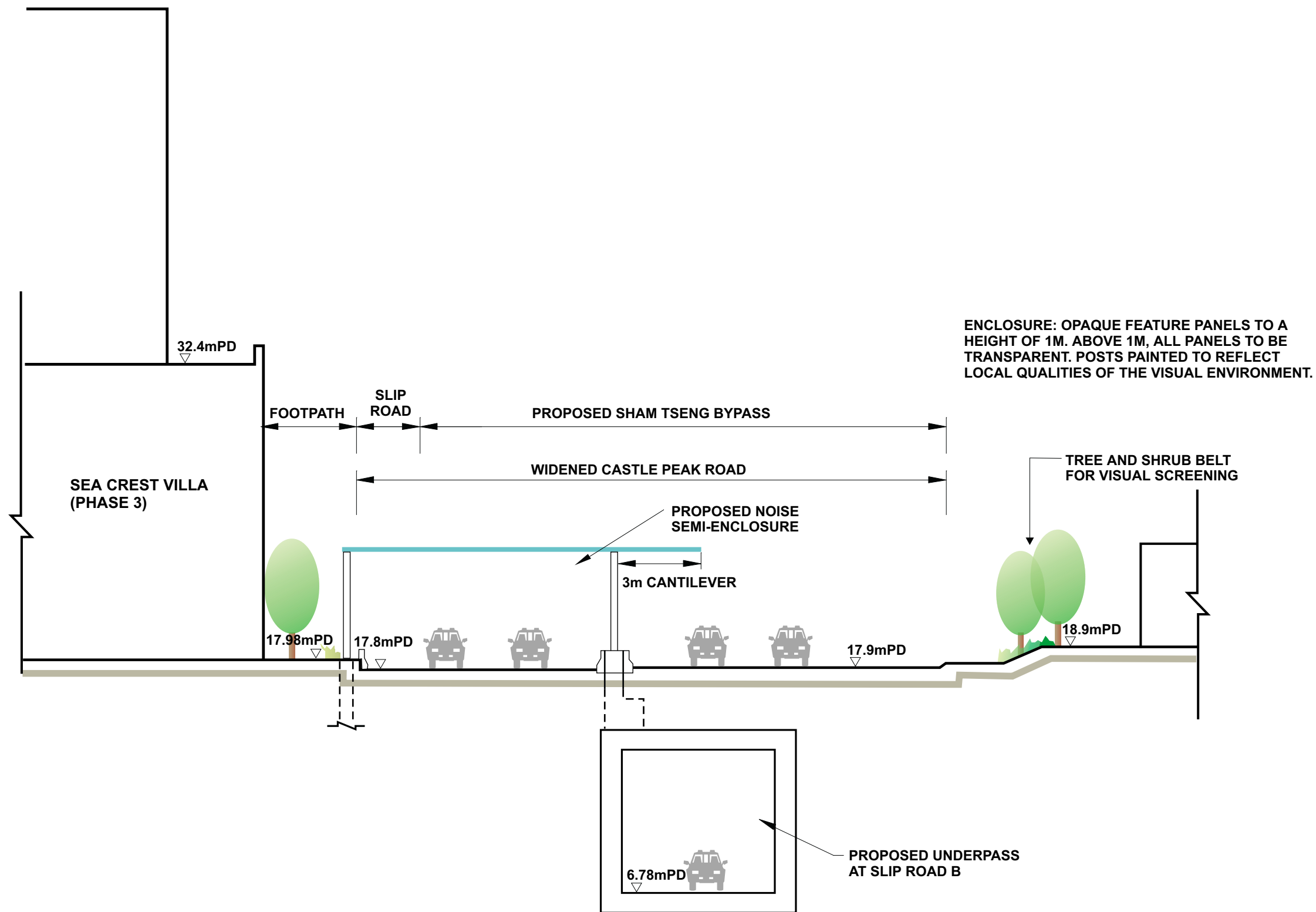


Typical Section through
 Slope South of Golden Villa

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	Figure 7.14d		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例 N.T.S.
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary





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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Typical Section through Noise Semi-enclosure at Western End of Bypass

Drawing No.
圖則編號

Figure 7.14e

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Date
日期

06/2001

Status
現況

Preliminary

Scale
比例

N.T.S.



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Master Landscape Plan

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No.
圖則編號

7.14g

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

1:300

Approved
批准

MS

Date
日期

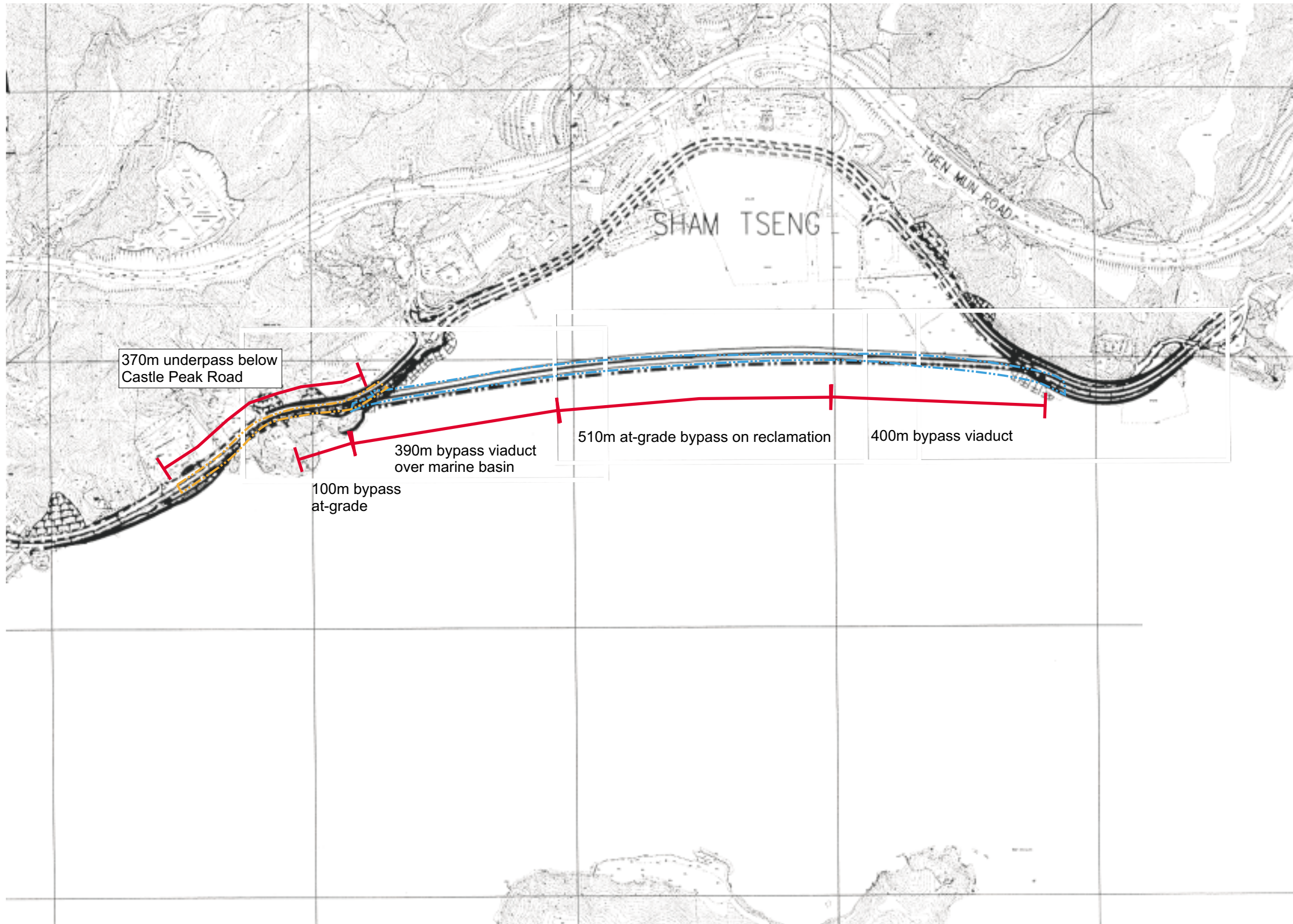
06/2001

Status
現況



Preliminary



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Designated Project
(Schedule 2)

-  Sham Tseng bypass
-  Underpass below Castle Peak Road

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PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
SHAM TSENG DEVELOPMENT

**Length of Alignment for:
Bypass and Underpass**

Drawing No.
圖則編號

Figure 7.14h

Designed
設計

Drawn
繪圖

GL

Checked
複核

AW

Scale
比例

N.T.S.

Approved
批准

MS

Date
日期

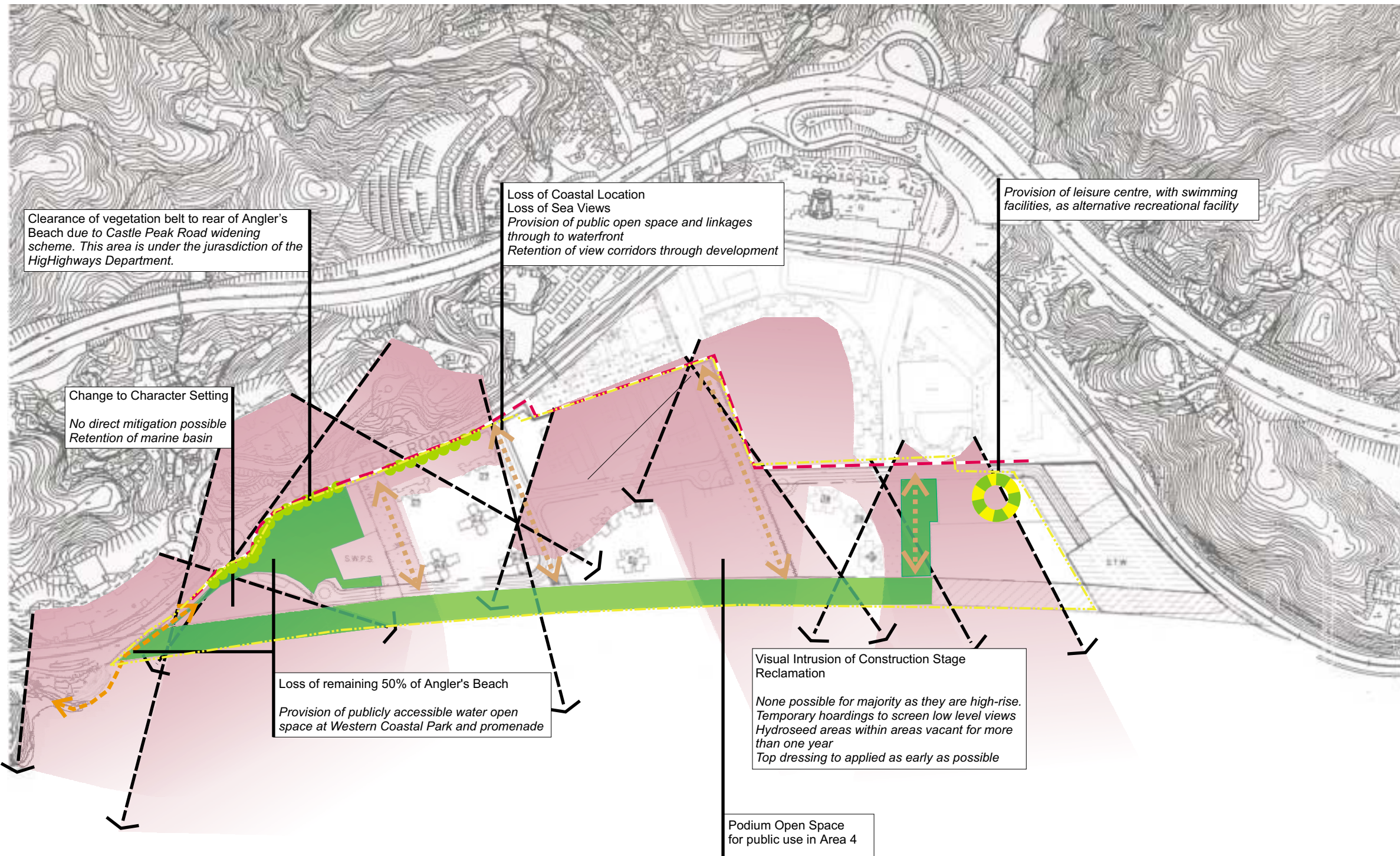
06/2001





Status
現況

Preliminary



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-  View Corridor
-  Open Space Linkage
-  Open Space
-  Project Boundary of Reclamation Area

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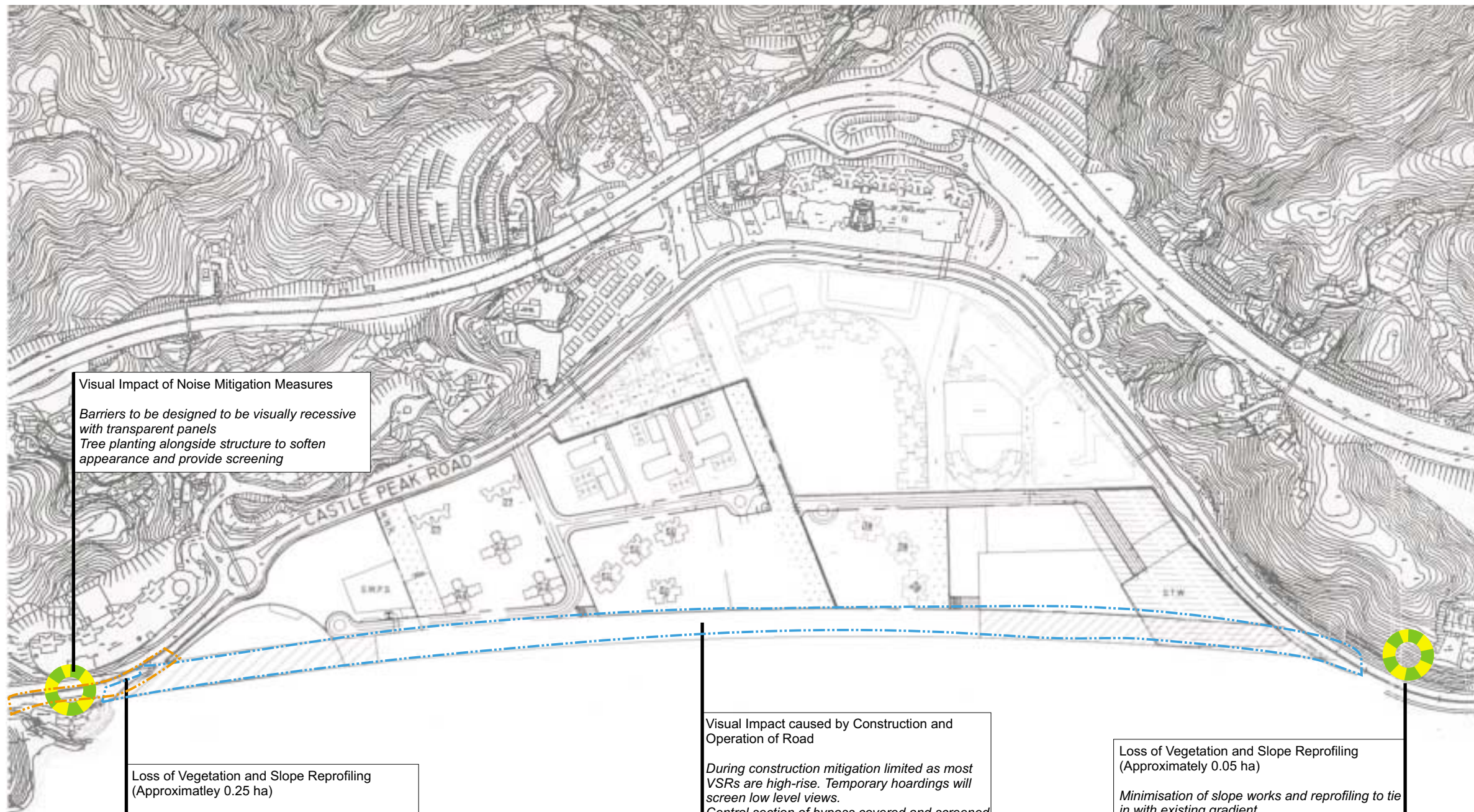


PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT



Designated Project 1 - Reclamation Landscape and Visual Mitigation Measures

Drawing No. 圖則編號	7.14i		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
Approved 批准	GL	AW	
	MS	Date 日期 06/2001	Status 現況 Preliminary





Designated Project (Schedule 2)

-  Sham Tseng bypass
-  Underpass below Castle Peak Road

Visual Impact of Noise Mitigation Measures
Barriers to be designed to be visually recessive with transparent panels
Tree planting alongside structure to soften appearance and provide screening

Loss of Vegetation and Slope Reprofilling (Approximately 0.25 ha)
Minimisation of slope works and reprofilling to tie in with existing gradient
Tree Survey and felling in accordance with WBTC 24/94
Compensatory planting to restore vegetation

Visual Impact caused by Construction and Operation of Road
During construction mitigation limited as most VSRs are high-rise. Temporary hoardings will screen low level views.
Central section of bypass covered and screened by elevated deck open space
Western part of bypass to be designed as feature bridge

Loss of Vegetation and Slope Reprofilling (Approximately 0.05 ha)
Minimisation of slope works and reprofilling to tie in with existing gradient
Tree Survey and felling in accordance with WBTC 24/94
Compensatory planting to restore vegetation

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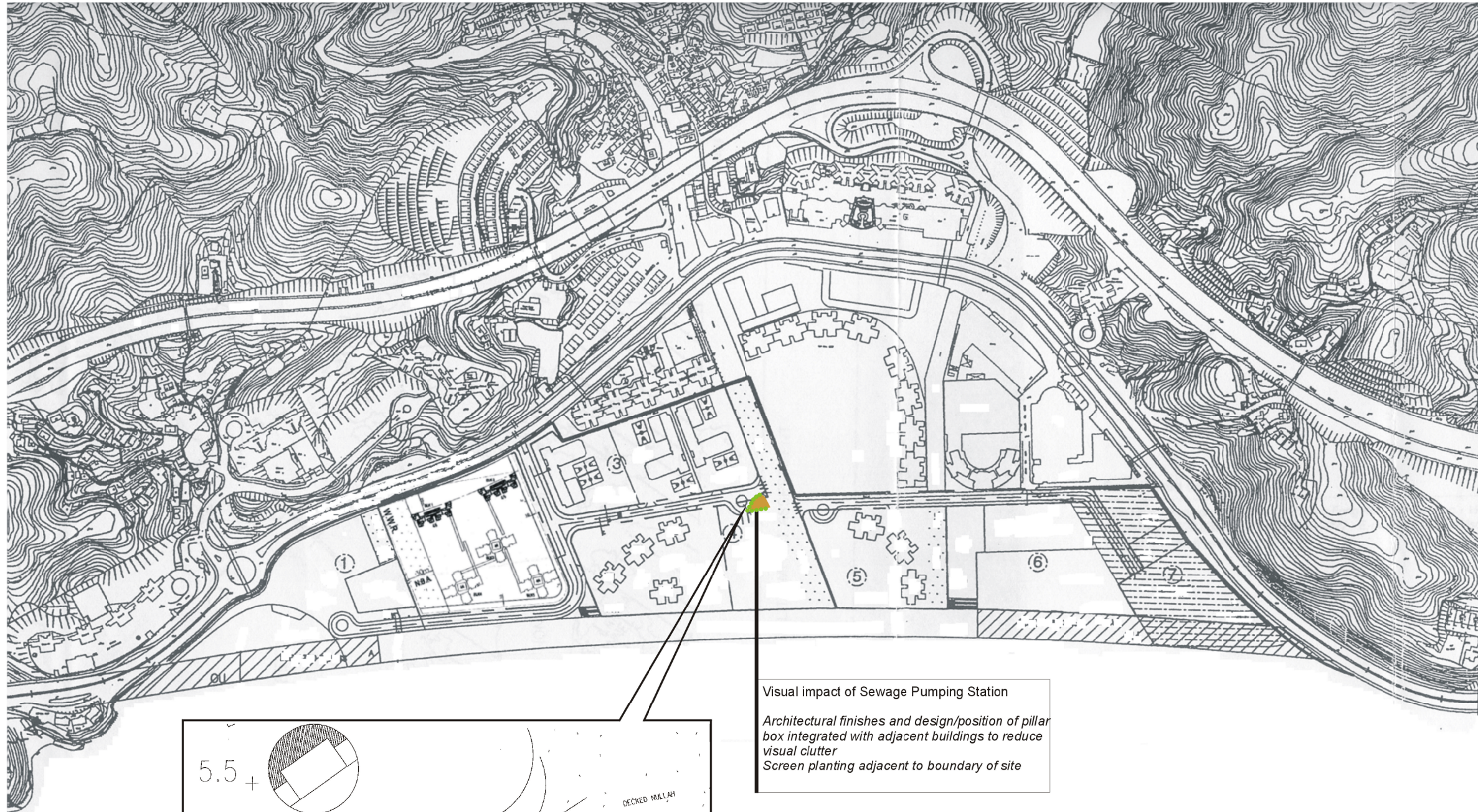
Designated Project 2 - Sham Tseng Bypass and 4 - Underpass Below Castle Peak Road Landscape and Visual Mitigation Measures

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	7.14j		
Designed 設計	Drawn 繪圖	Checked 複核	Scale 比例
	GL	AW	
Approved 批准	Date 日期	Status 現況	
	MS	06/2001	Preliminary

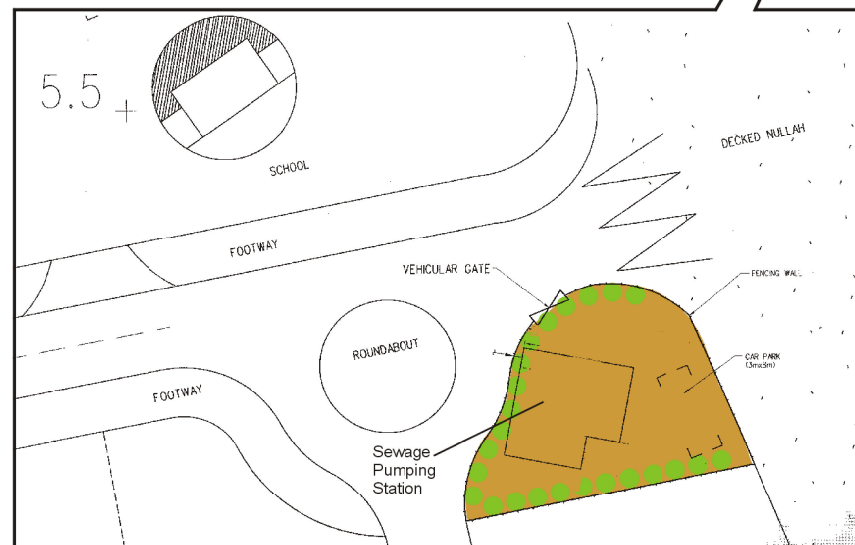


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Civil Engineering Department



**Designated Project
(Schedule 2)**

- Sewage Pumping Station
- Proposed tree planting for screening of Sewage Pumping Station



Visual impact of Sewage Pumping Station
Architectural finishes and design/position of pillar box integrated with adjacent buildings to reduce visual clutter
Screen planting adjacent to boundary of site

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**Designated Project 3
 Sewage Pumping Station
 Landscape and Visual Mitigation Measures**

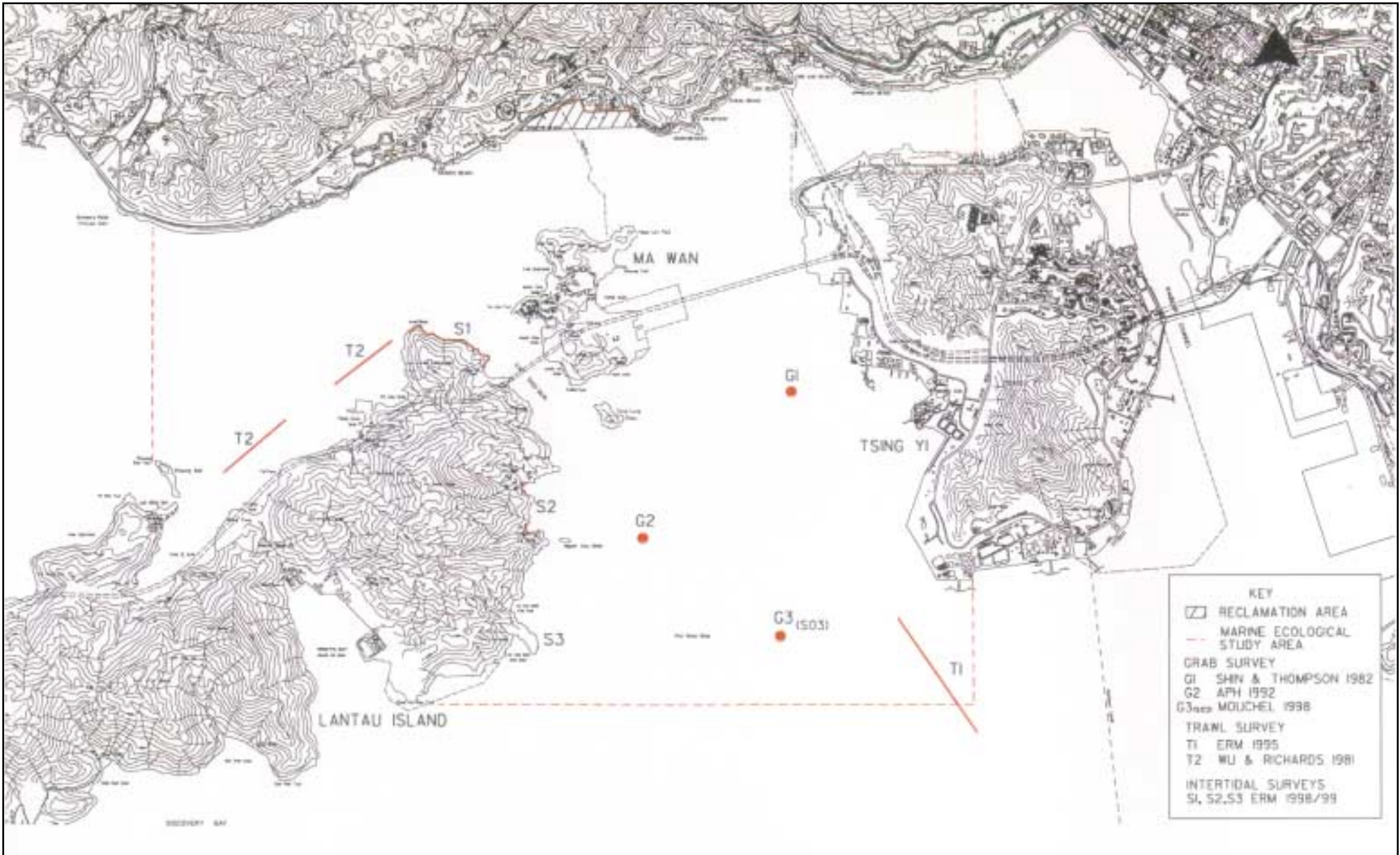
PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	7.14k		
Designed 設計	Drawn 繪圖 GL	Checked 複核 AW	Scale 比例
Approved 批准	MS	Date 日期 06/2001	Status 現況 Preliminary

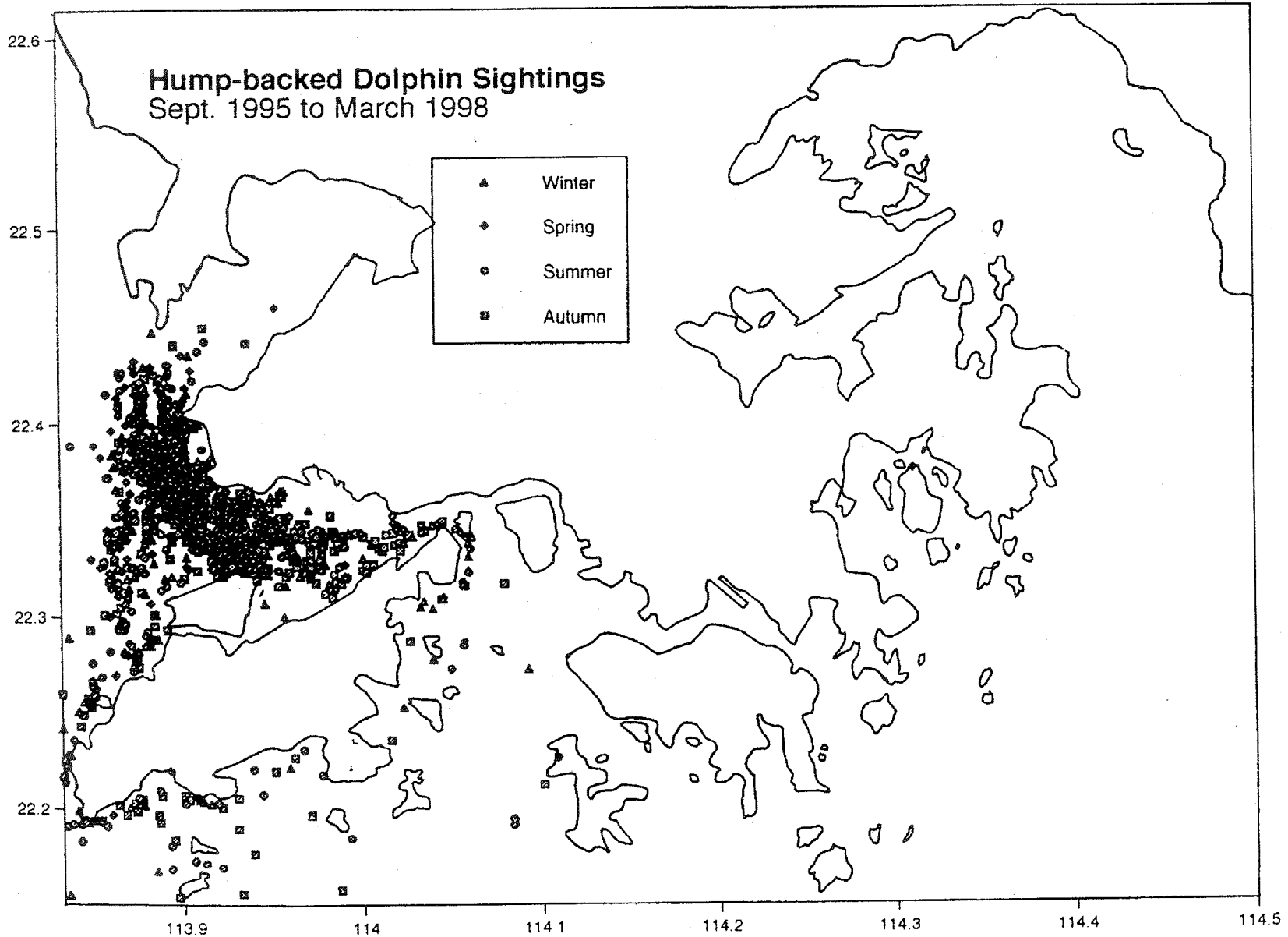




Drawing No. 圖則編號	Figure 8.3a		
Designed 設計	Drawn 繪圖	Checked 覆核	Scale 比例
Approved 批准		Date 日期	Status 現況



Drawing No. 圖則編號	Figure 8.3b		
Designed 設計	ERM	Drawn 繪圖	MY
Checked 覆核		Date 日期	5/00
Approved 批准		Status 現況	C1780/2SCOTT.DGN
		Scale 比例	1:47000



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**Locations of Sightings of
Hump-Backed Dolphins in
Hong Kong (Jefferson 1998)**

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SHAM TSENG DEVELOPMENT

Drawing No.

圖則編號

8.3c

Designed

設計

Drawn

繪圖

Checked

校核

Scale

比例

Approved

批准

Date

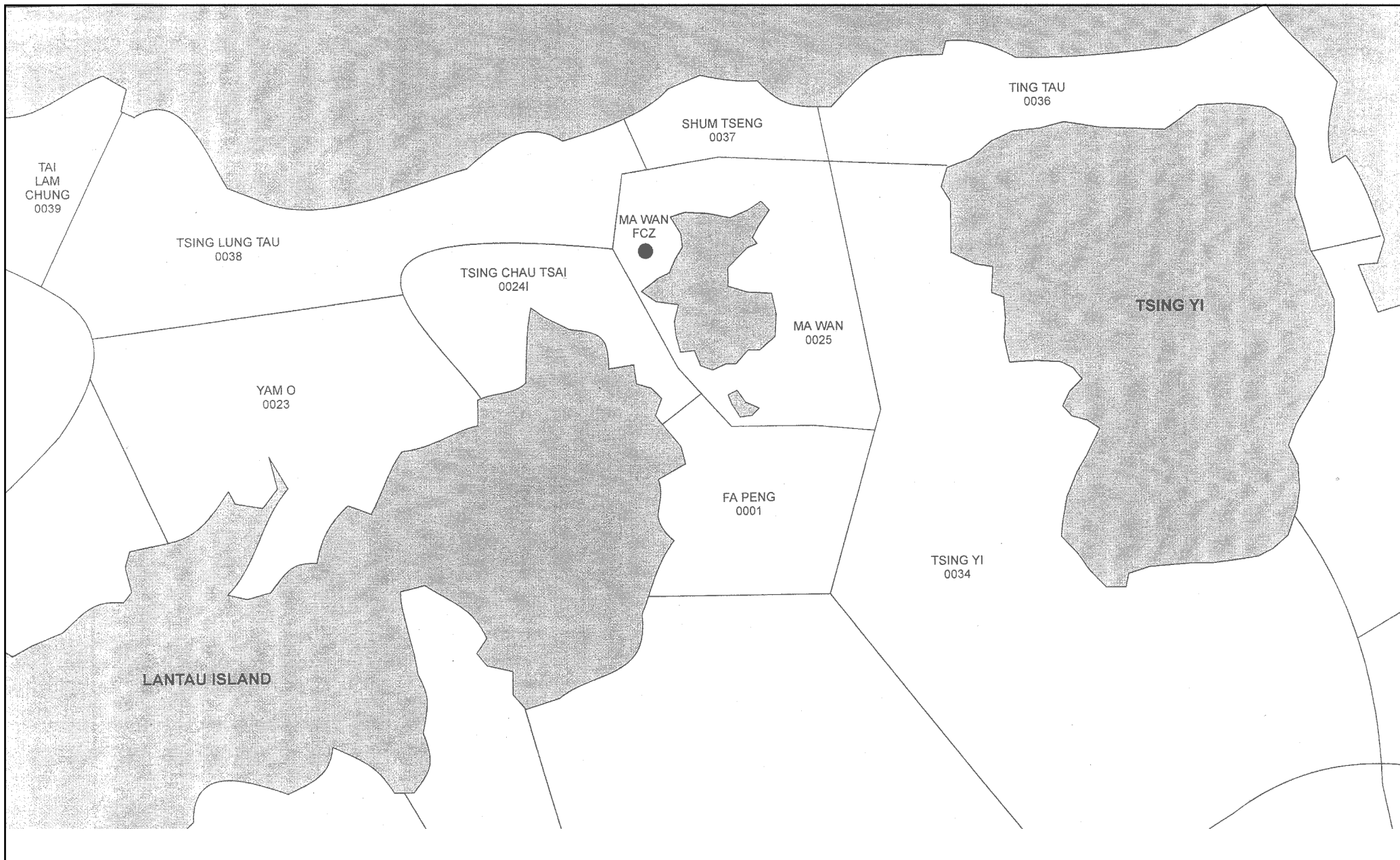
日期

Status

現況



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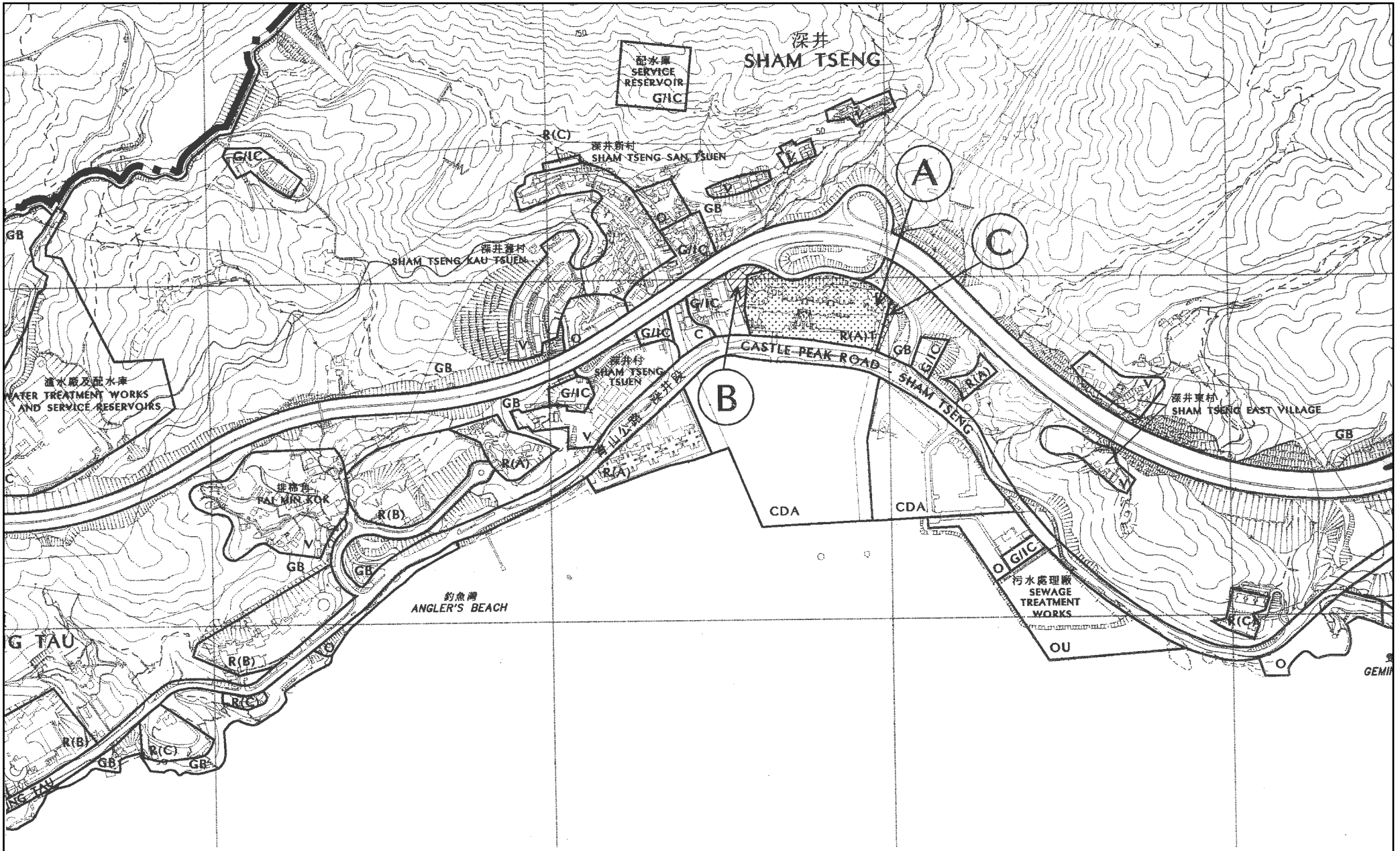


Fishery Information in the Study Area

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	9.3a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況





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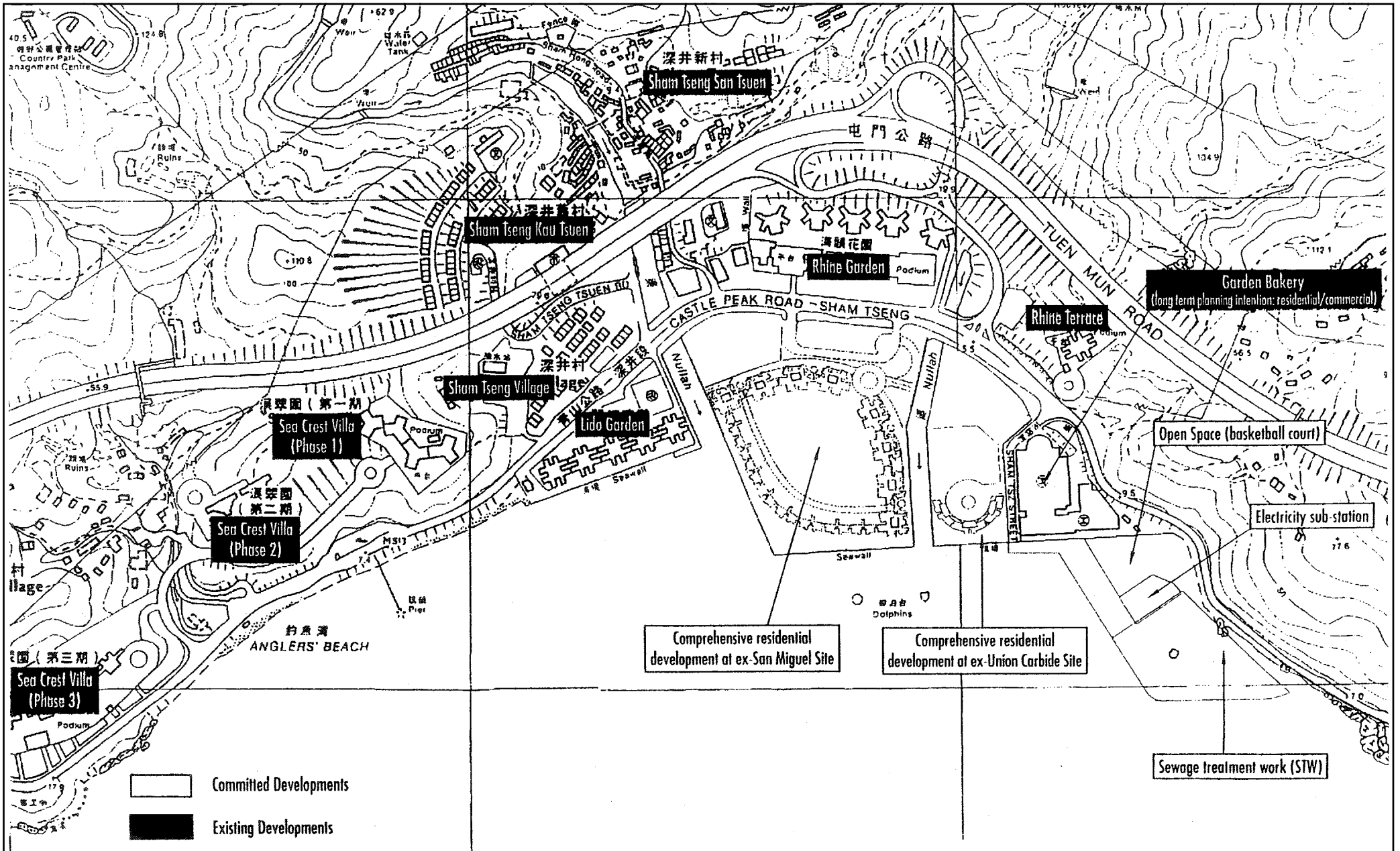


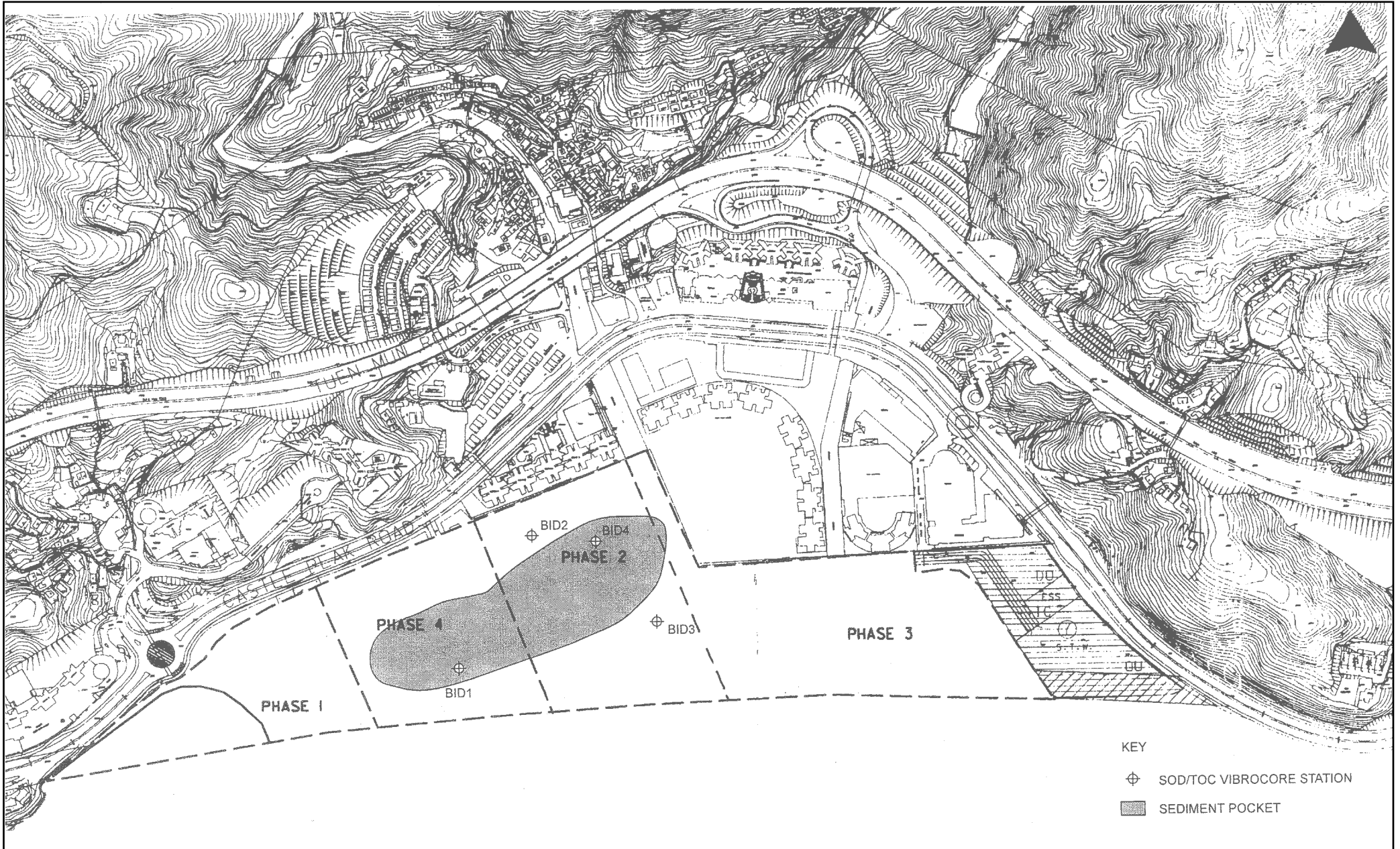
**Extract of the Draft Tsuen Wan West
 Outline Zoning Plan No. S/TWW/10**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	11.2a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准	Date 日期	Status 現況	







- KEY
- ⊕ SOD/TOC VIBROCORE STATION
 - SEDIMENT POCKET

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**Locations of the Sediment Pocket
 and Sod/ToC Vibrocore Station**

PLANNING AND ENGINEERING FEASIBILITY STUDY FOR
 SHAM TSENG DEVELOPMENT

Drawing No. 圖則編號	12.5a		
Designed 設計	Drawn 繪圖	Checked 校核	Scale 比例
Approved 批准		Date 日期	Status 現況

