

Agreement No. CE 45/2008 (CE)
Liantang / Heung Yuen Wai Boundary
Control Point and Associated Works

Environmental Impact Assessment Report
Volume 2 - Figures

December 2010
Civil Engineering and Development Department

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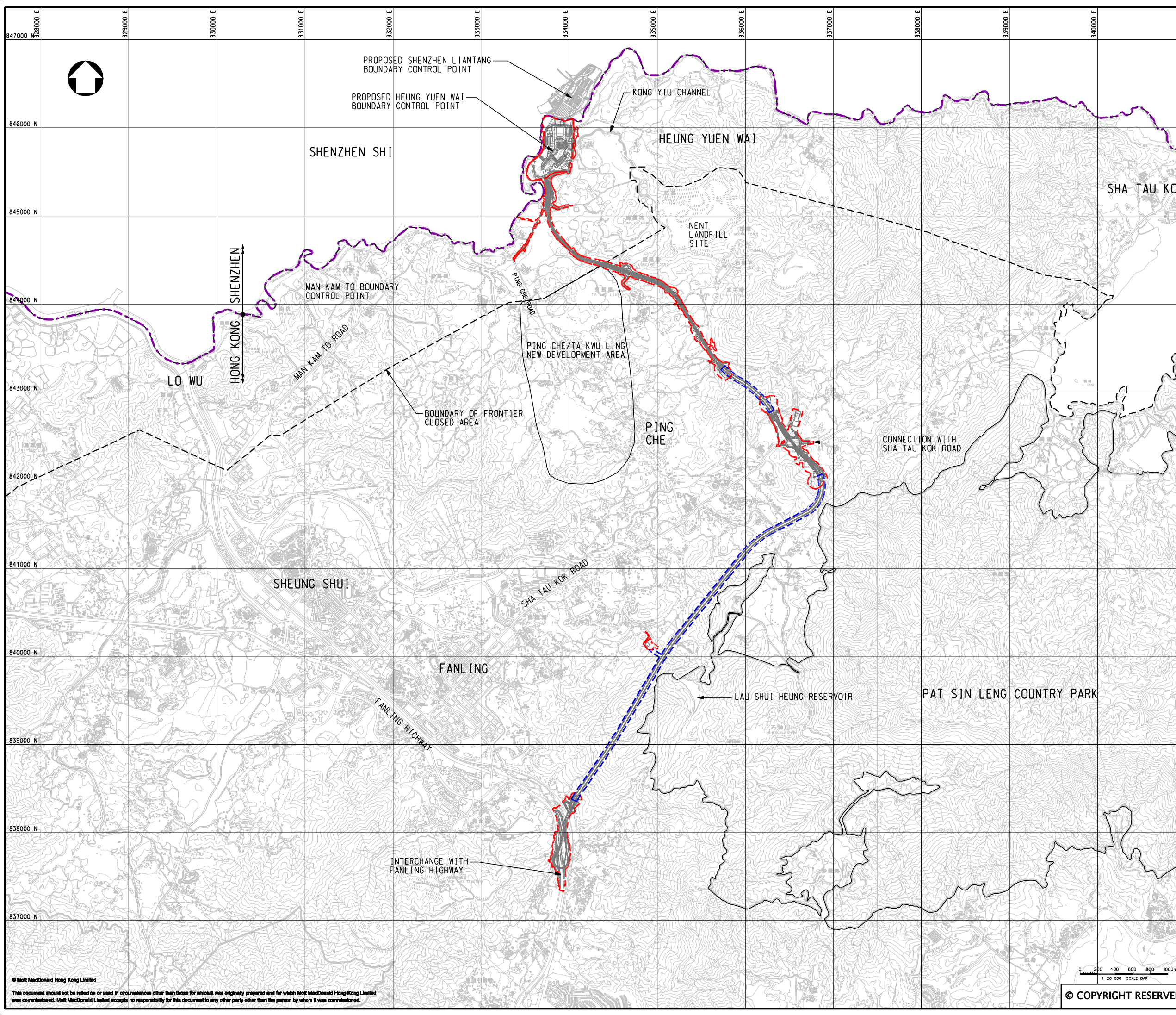
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Figure 11.6.13	Impact on Landscape Character Areas Section C	Figure 12.2.17	1:1000 Map Showing Built Heritage Identified Within Lau Shui Heung Tunnel Section (South Tunnel) (Sheet 5 of 5)
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Figure 11.7.7	VPs for Photomontages – Key Plan	Figure 12.4.1	Known Site of Archaeological Interest – Ping Che Archaeological Site
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Figure 11.7.9	VP2 Photomontage at Tsung Yuen Ha	Figure 12.5	Key Plan for Archaeological Survey
Figure 11.7.10	VP3 Photomontage at Kaw Liu Tsuen	Figure 12.5.1	Location Plan of Test Pit and Auger Hole within BCP Section
Figure 11.7.11	VP4 Photomontage at Nga Yiu Ha	Figure 12.5.2	Location Plan of Test Pit and Auger Hole within Section Between Lin Ma Hang and Frontier Closed Area Boundary
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Figure 11.7.13	VP6 Photomontage at Village West of Man Uk Pin	Figure 12.5.4	Location Plan of Test Pit and Auger Hole within Section Between Ping Yeung and Wo Keng Shan (Sheet 2 of 2)
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Figure 12.2	Key Plan For Built Heritage		
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Figure 12.2.2	1:1000 Map Showing Built Heritage Identified Within the Boundary Control Point Section (Sheet 2 of 2)		
Figure 12.2.3	1:1000 Map Showing Built Heritage Identified Within Section Between Lin Ma Hang and Frontier Closed Area Boundary (Sheet 1 of 4)		
Figure 12.2.4	1:1000 Map Showing Built Heritage Identified Within Section Between Lin Ma Hang and Frontier Closed Area Boundary (Sheet 2 of 4)		

- Figure 12.5.5 Location Plan of Auger Hole within Fanling Section
- Figure 12.6 Key Plan for Archaeological Potential
- Figure 12.6.1 Area of Archaeological Potential and Further Archaeological Survey within Section Between Lin Ma Hang and Frontier Closed Area Boundary
- Figure 12.6.2 Area of Archaeological Potential and Further Archaeological Survey within Section Between Ping Yeung and Wo Keng Shan (Sheet 1 of 2)
- Figure 12.6.3 Area of Archaeological Potential and Further Archaeological Survey within Section Between Ping Yeung and Wo Keng Shan (Sheet 2 of 2)
- Figure 12.6.4 Area of Further Archaeological Survey within Sha Tau Kok Road Section
- Figure 12.6.5 Area of Further Archaeological Survey within Lau Shui Heung Tunnel Section
- Figure 12.6.6 Area of Further Archaeological Survey within Fanling Section



- LEGEND:**
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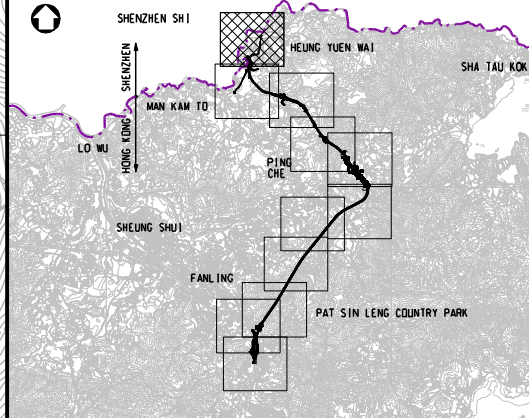
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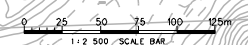
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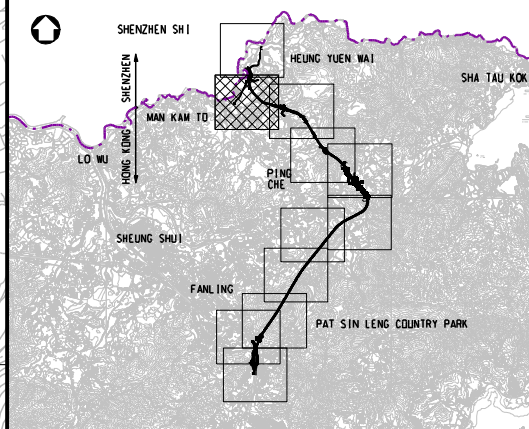
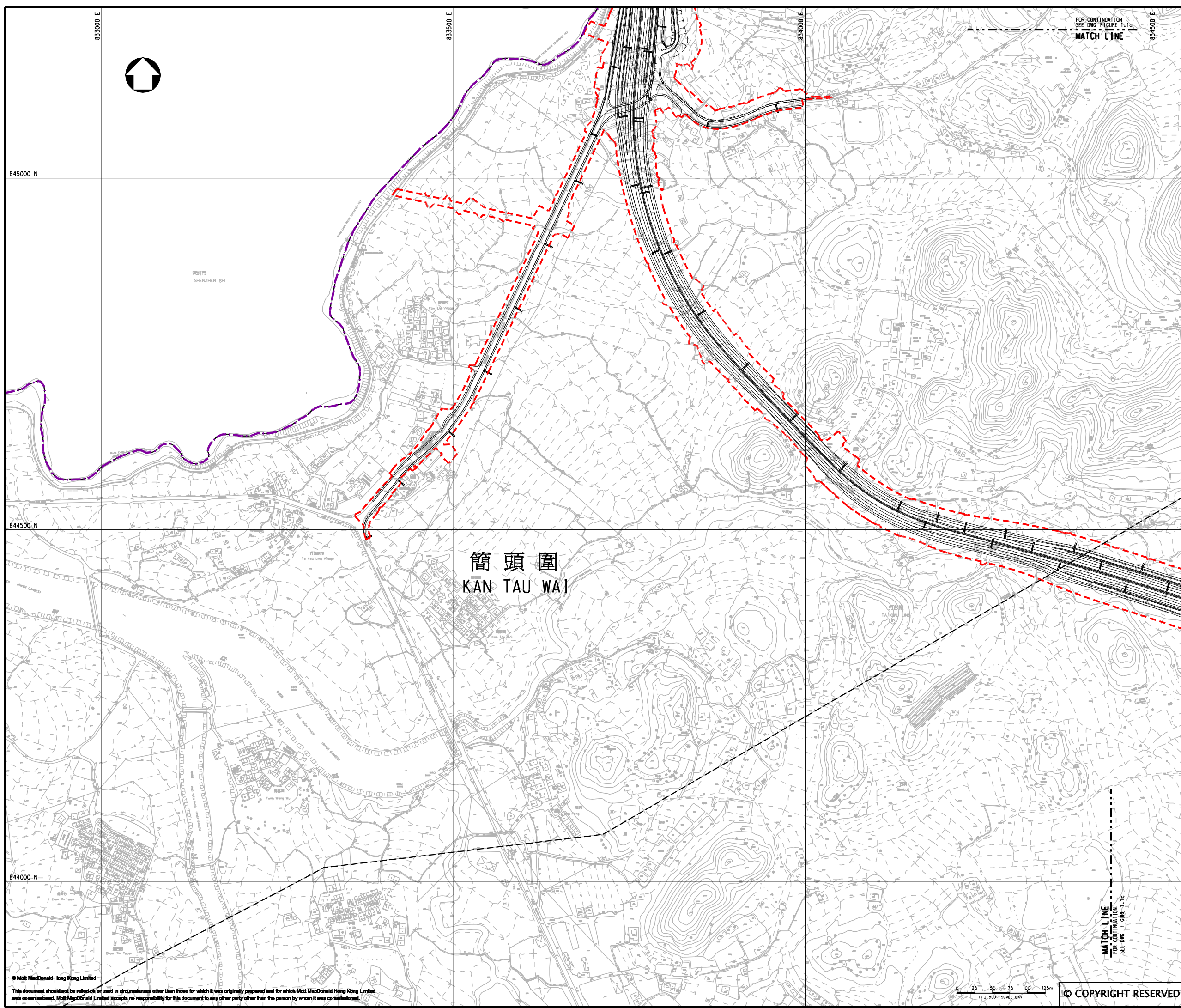
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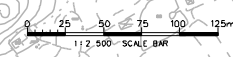
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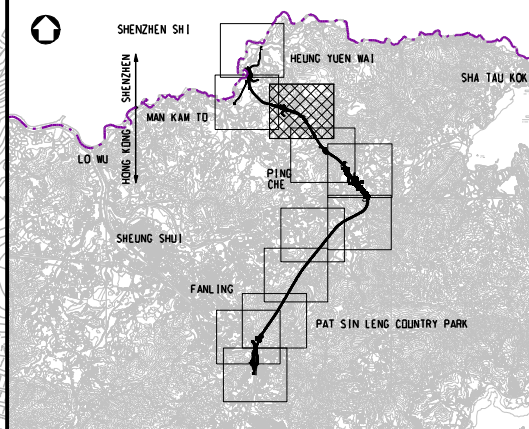
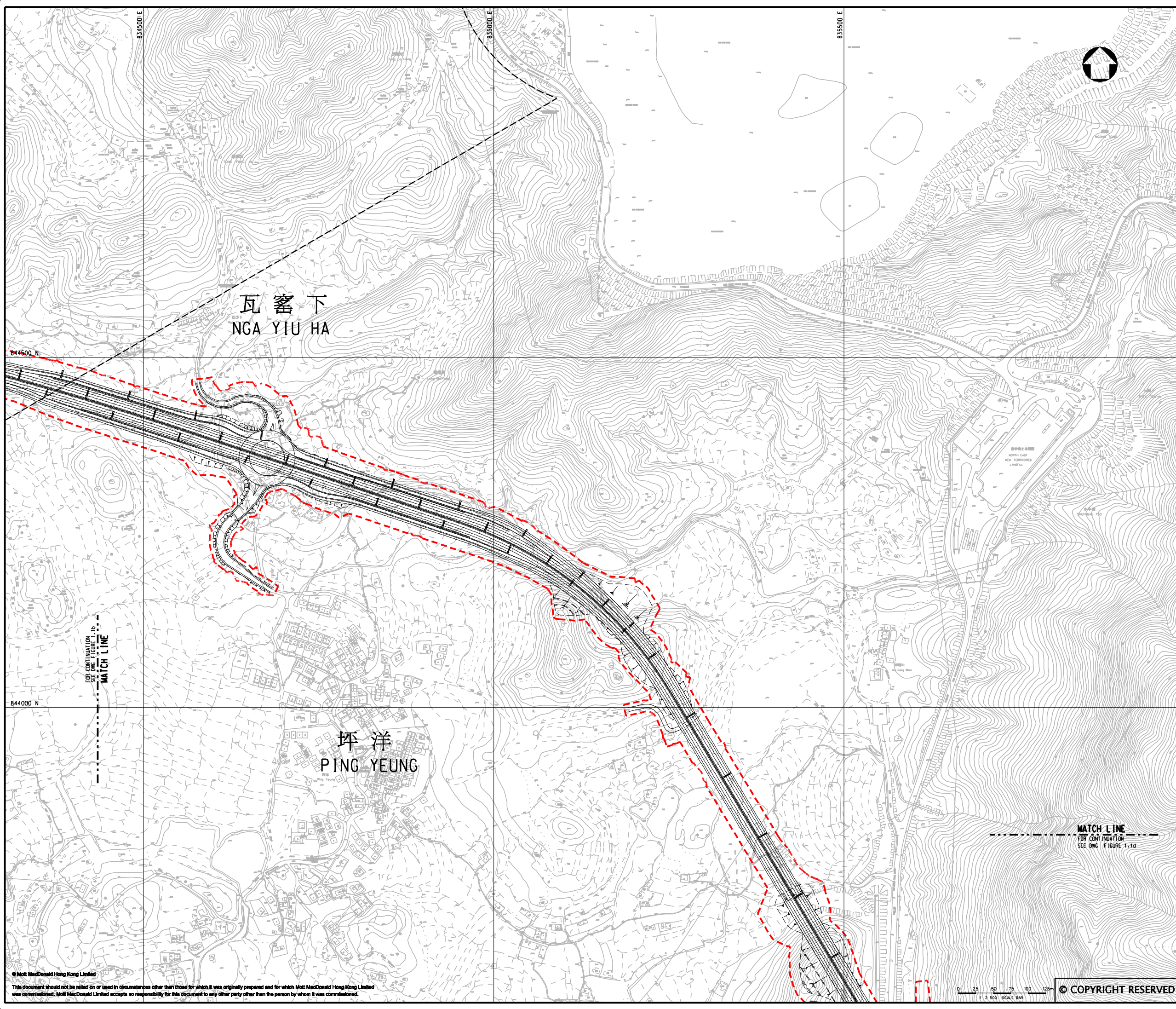
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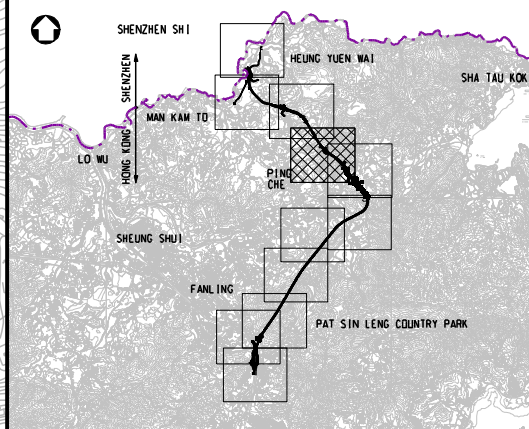
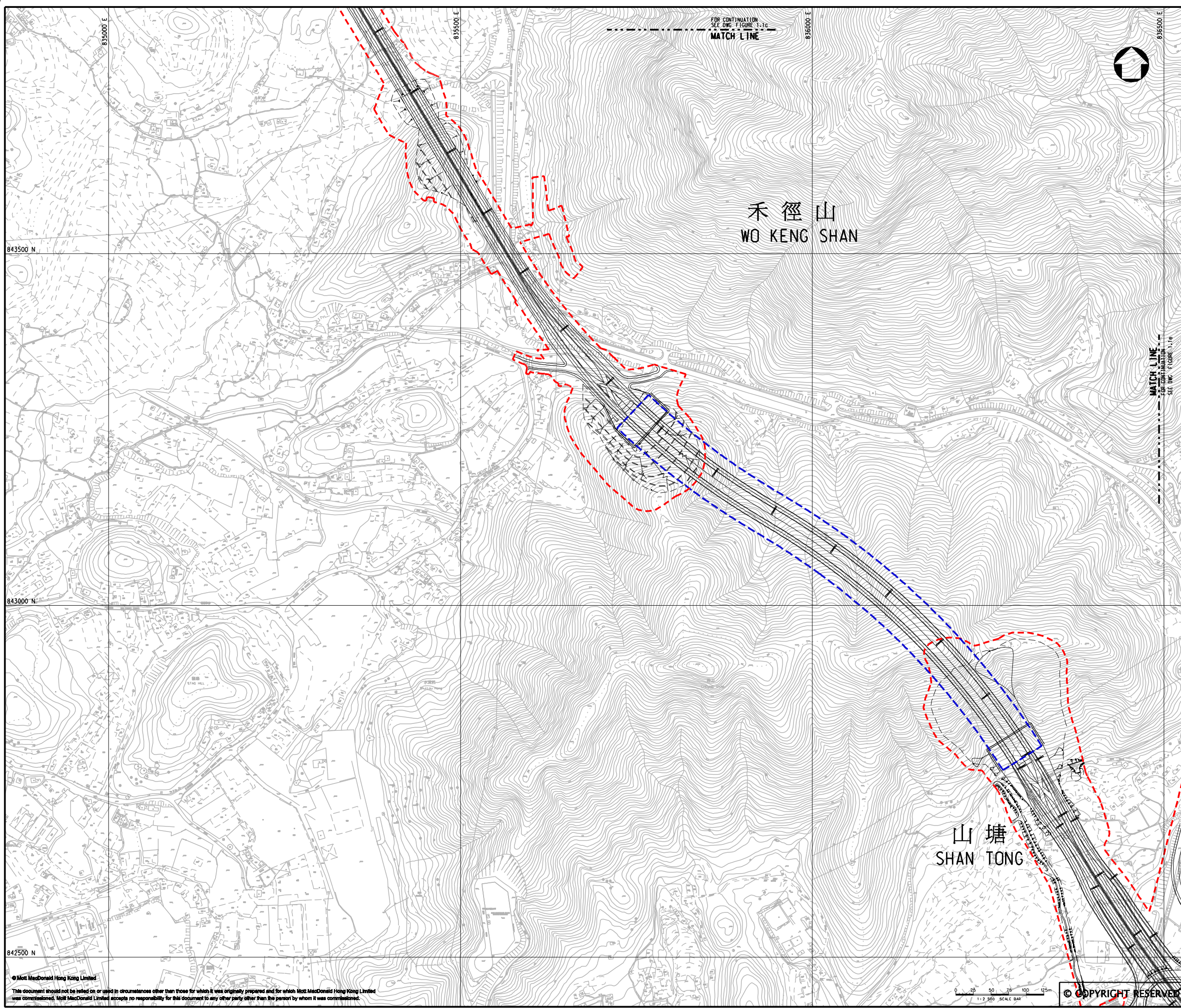
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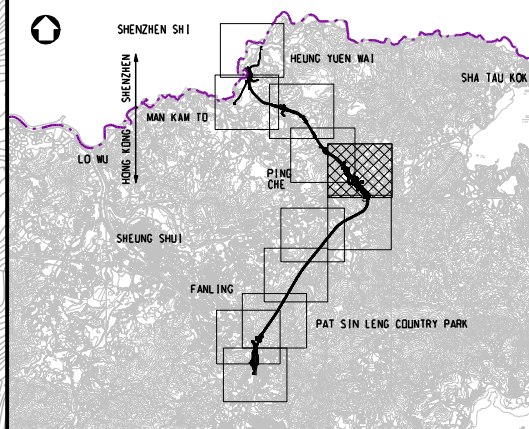
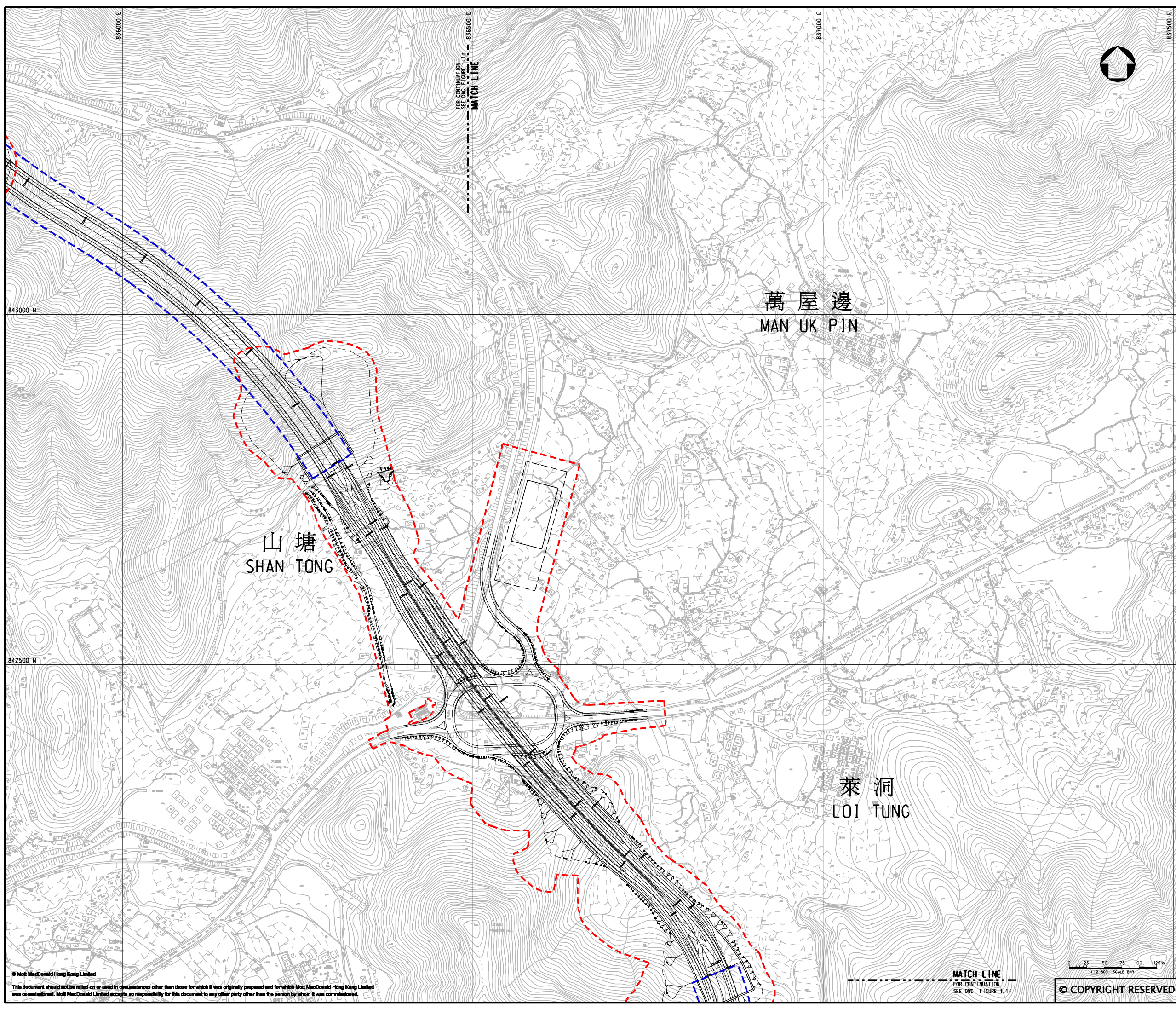
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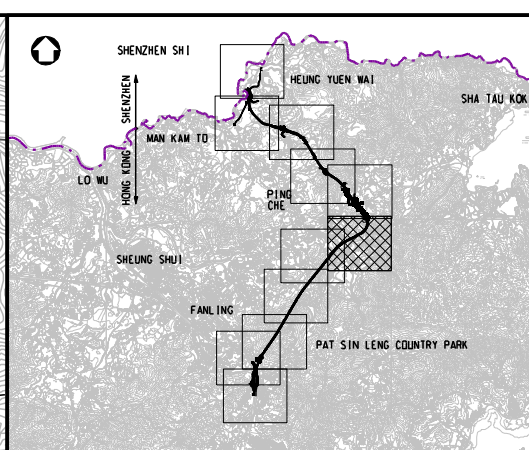
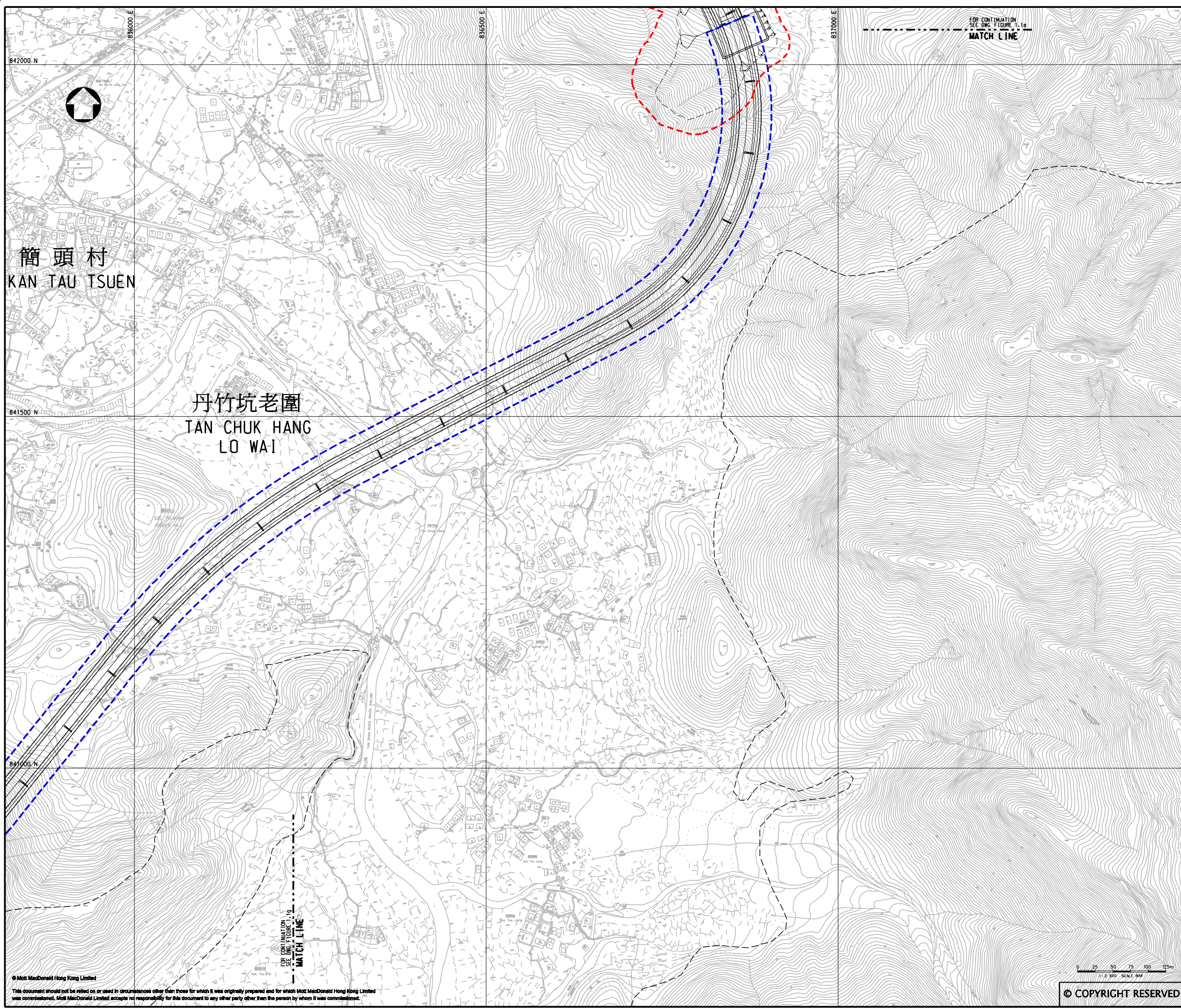
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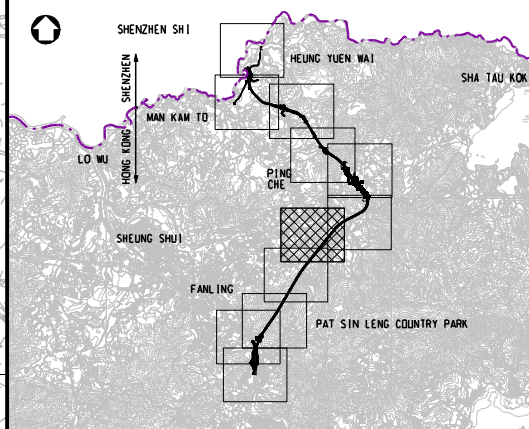
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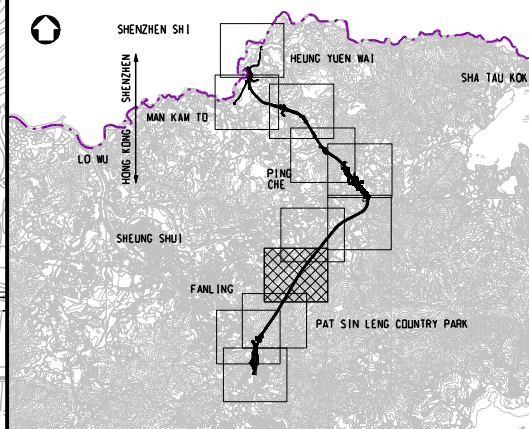
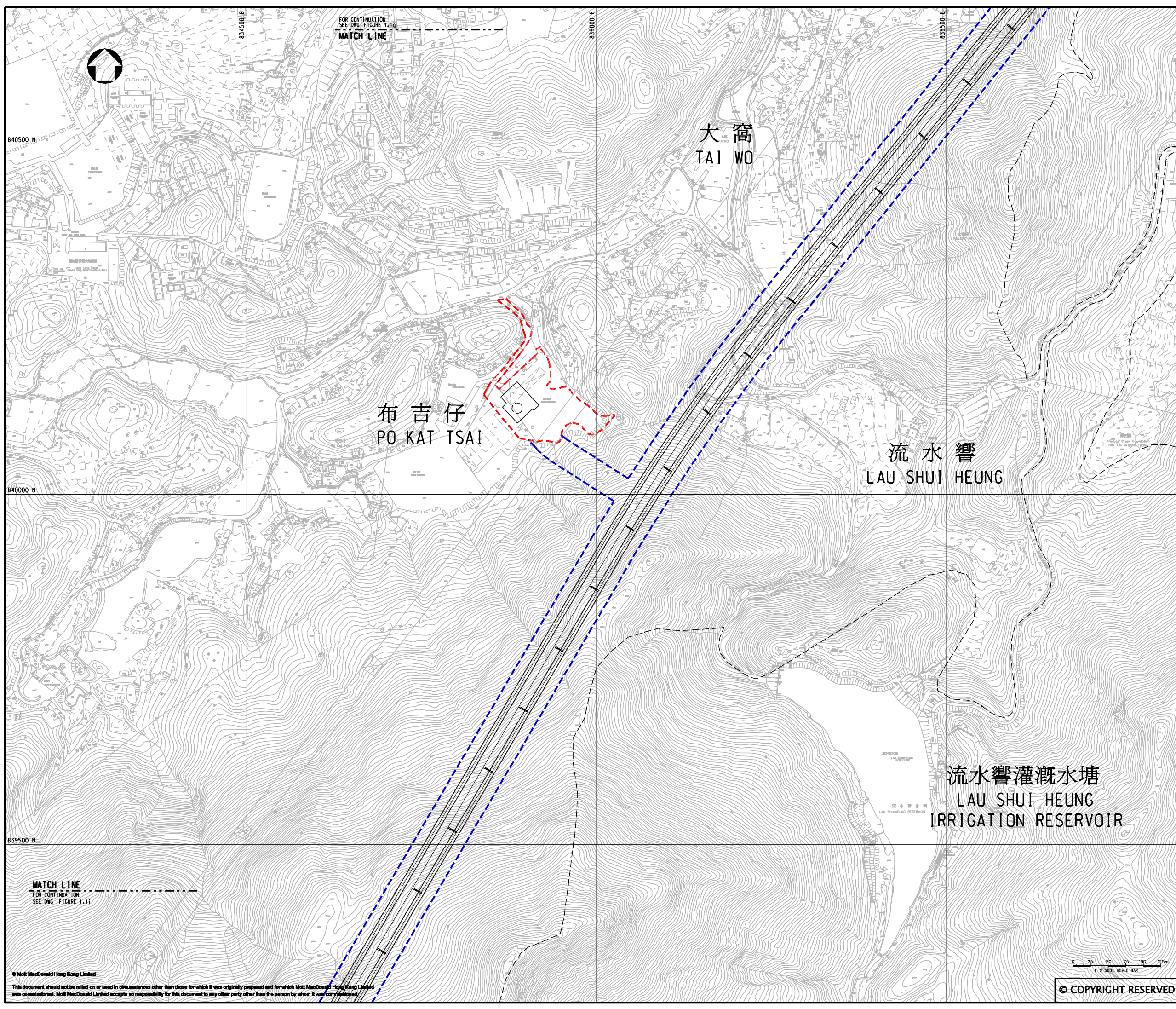
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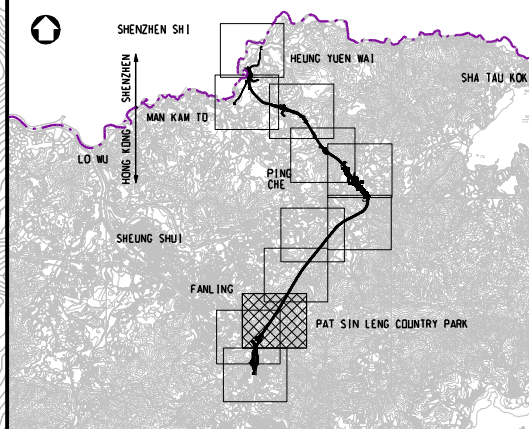
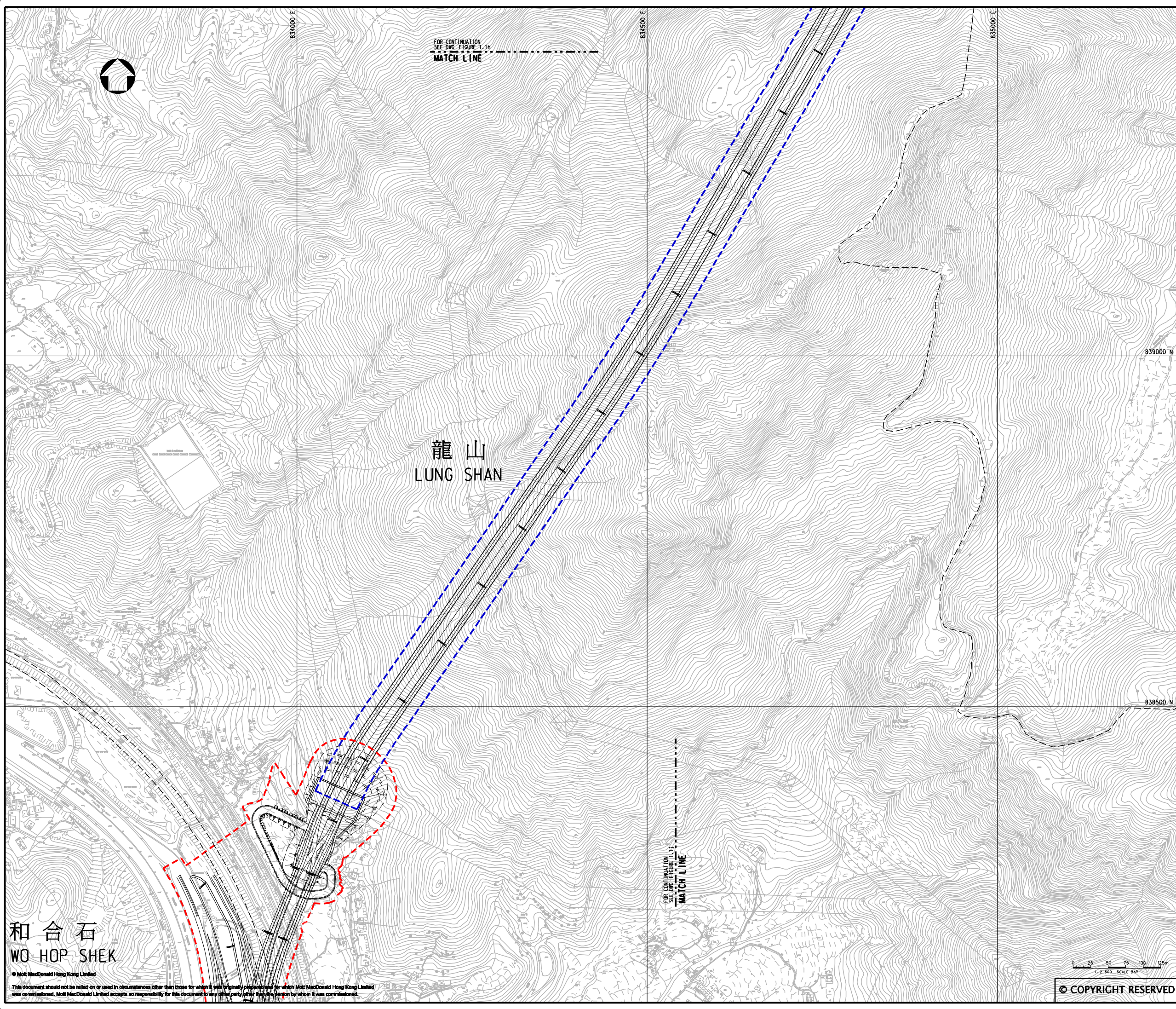
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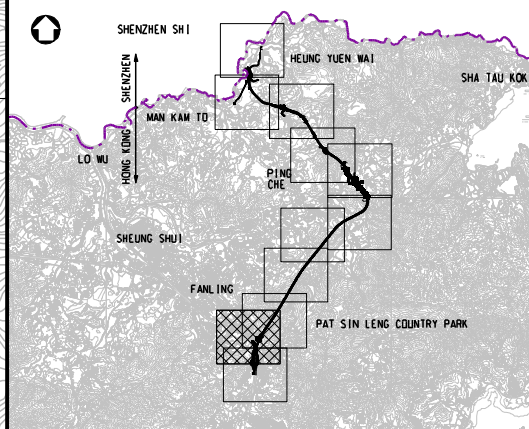
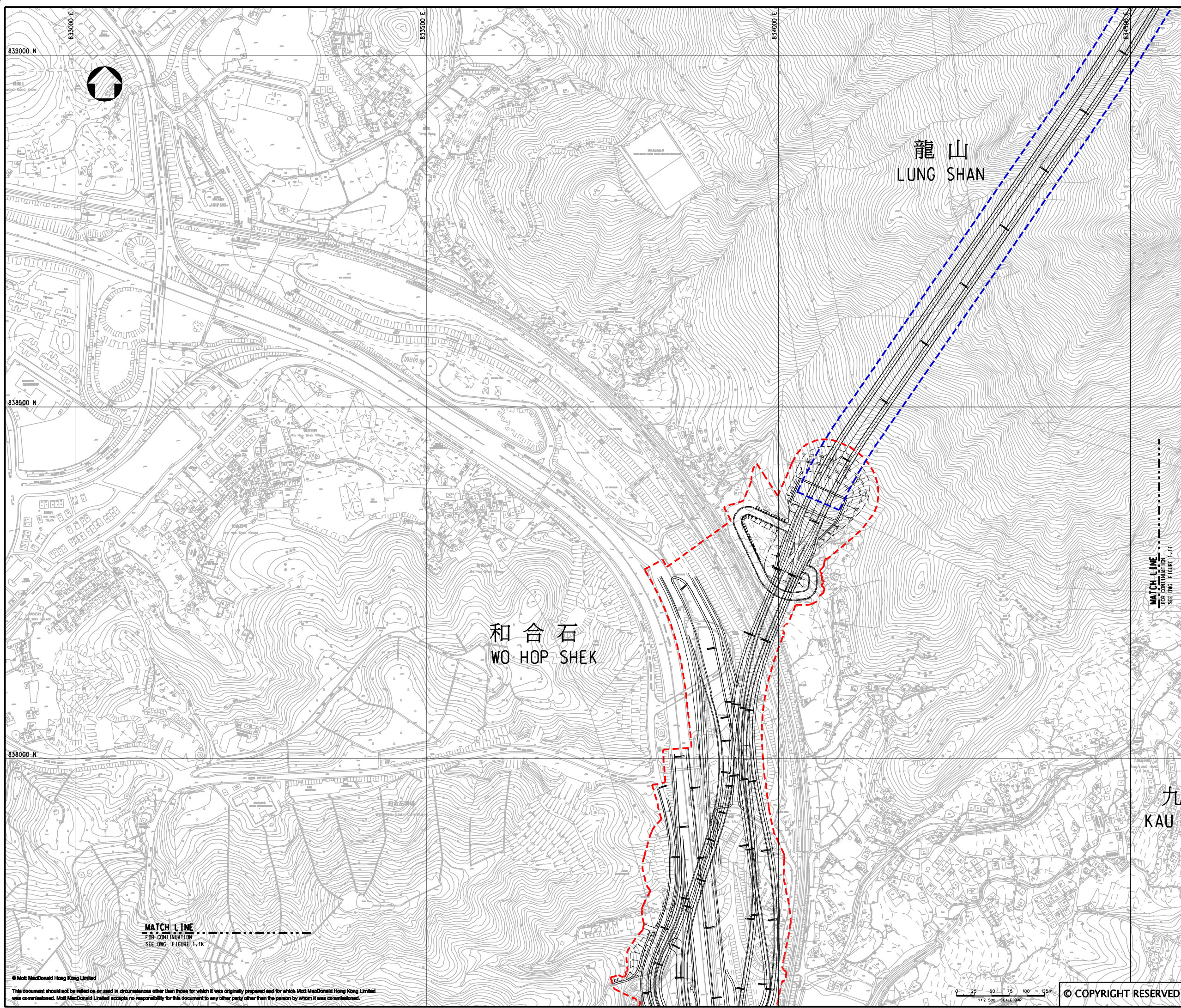
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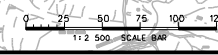
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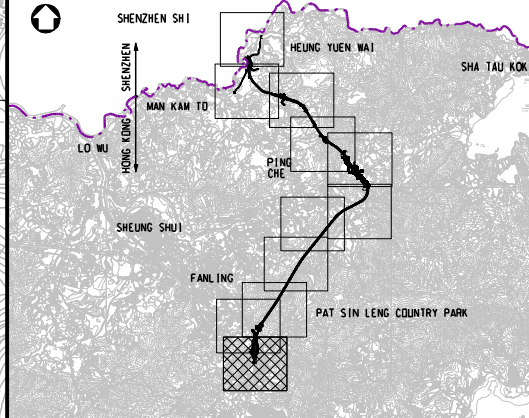
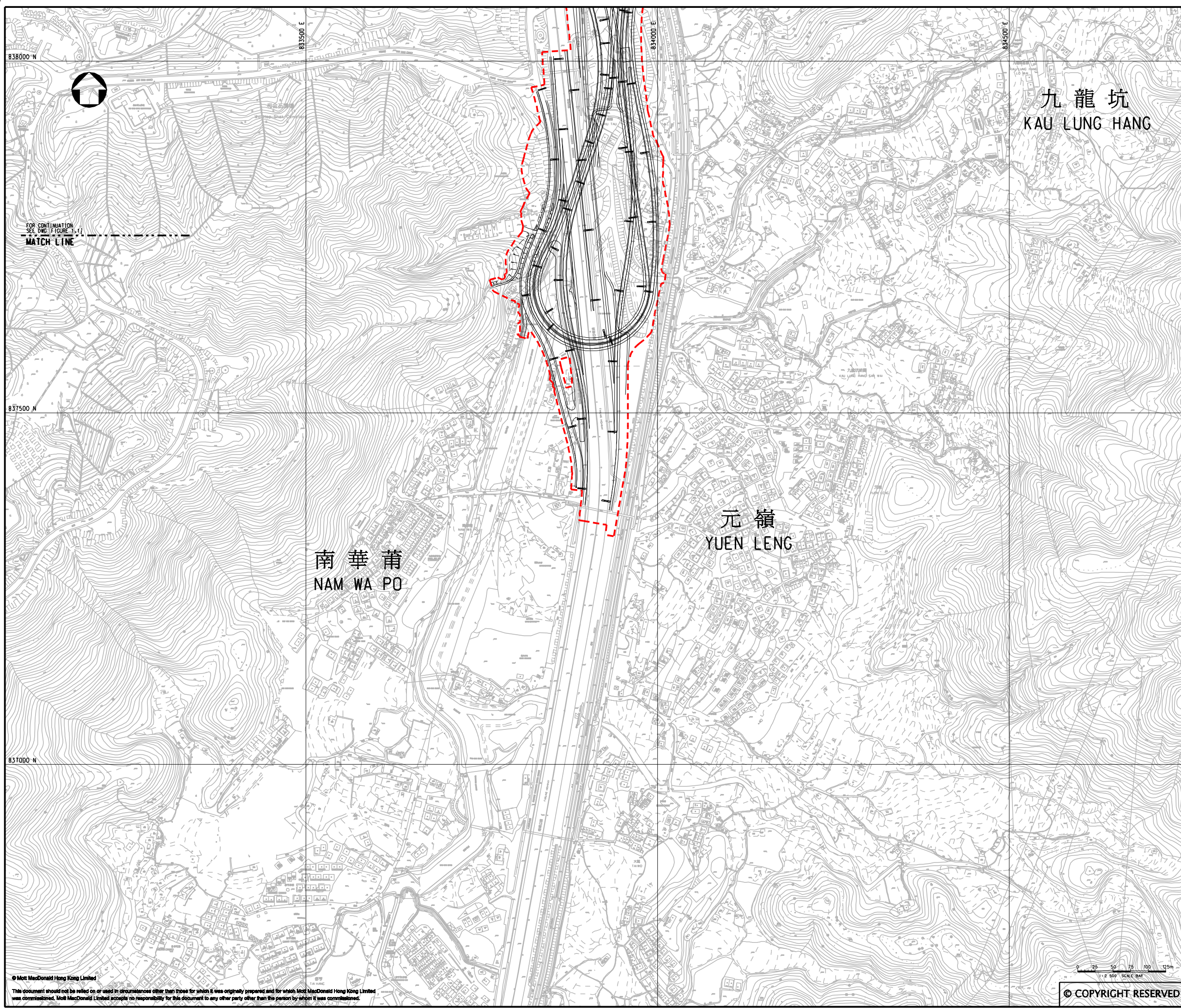
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MATCH LINE
FOR CONTINUATION
SEE DWG. FIGURE 1.1K

MATCH LINE
FOR CONTINUATION
SEE DWG. FIGURE 1.1J

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KEY PLAN
SCALE 1:100000

LEGEND:
 --- WORKS AREA (ABOVE GROUND)

FOR CONTINUATION
 SEE DWG. FIGURE 1.1
 MATCH LINE

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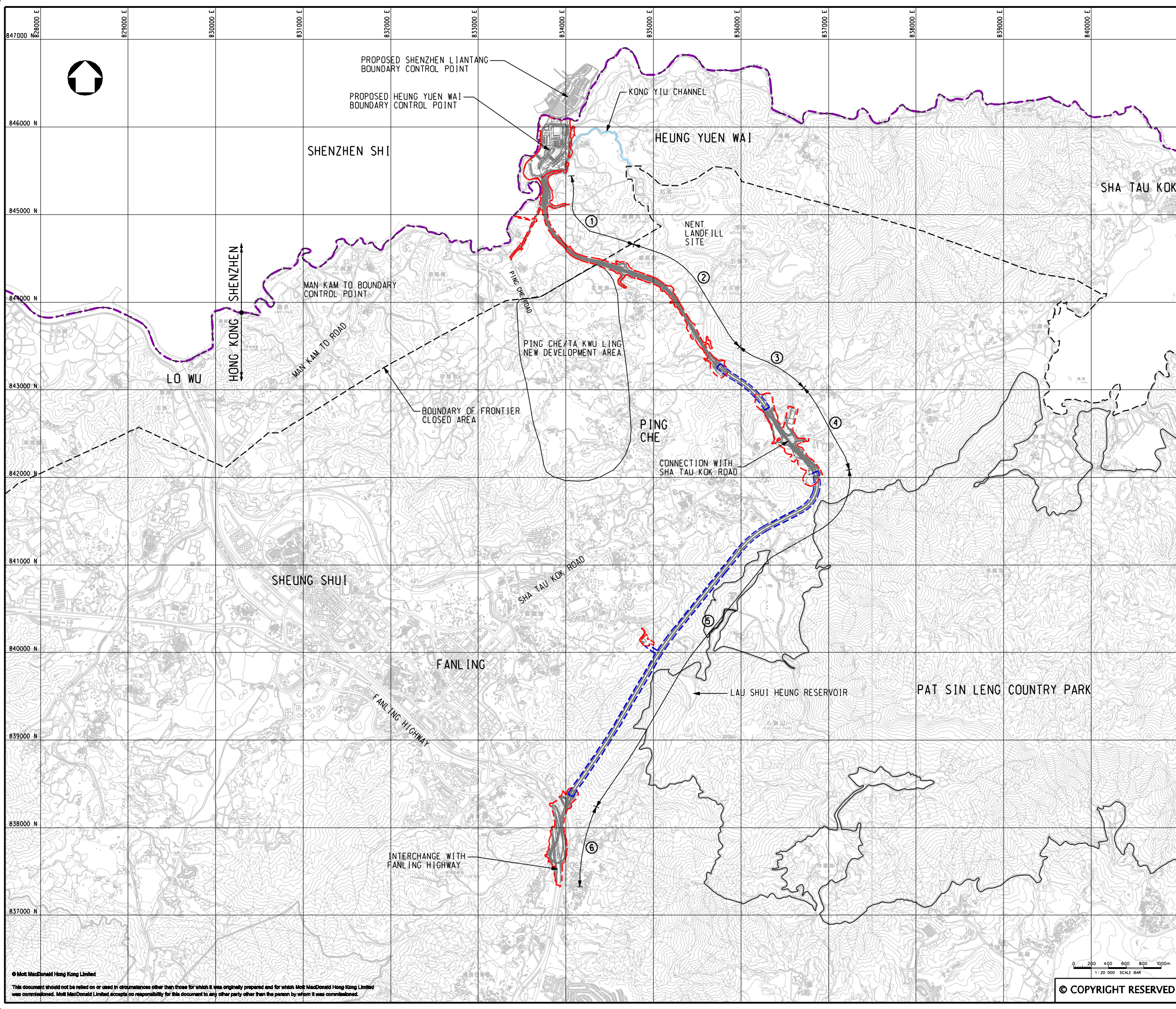
Project
 AGREEMENT NO. CE45/2008(CE)
 LIANTANG/HEUNG YUEN WAI BOUNDARY
 CONTROL POINT AND ASSOCIATED WORKS

Title
 PROJECT LAYOUT PLAN
 (SHEET 11 OF 11)

Designed	DC	Eng.Chk.	EC
Drawn	MING	Coordination	EC
Dwg.Chk.	DC	Approved	HT
Scale at A1	Project	Status	
1:2500	255228	PRE	
Drawing No	CAD file	Rev	
FIGURE 1.1k	\\report\env\velo\0086\FIG 1-1k.dgn	P3	

0 25 50 75 100 125m
 1:2500 SCALE BAR
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- LEGEND:**
- BOUNDARY OF HK SAR
 - WORKS AREA (ABOVE GROUND)
 - WORKS AREA (TUNNEL)
 - ① LIN MA HANG TO FRONTIER CLOSED AREA
 - ② PING YEUNG TO WO KENG SHAN
 - ③ NORTH TUNNEL (WO KENG SHAN)
 - ④ SHA TAU KOK ROAD
 - ⑤ SOUTH TUNNEL (LAU SHUI HEUNG)
 - ⑥ FANLING

P3	AUG 10	MING	GENERAL REVISION	FY	HT
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Title

PROJECT LAYOUT (MAIN SECTIONS)

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Dwg.Chk.	DC	Approved	HT
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	\\report\env\velo\008\6\FIG 2-1.dgn	P3	

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FIGURE 2.1

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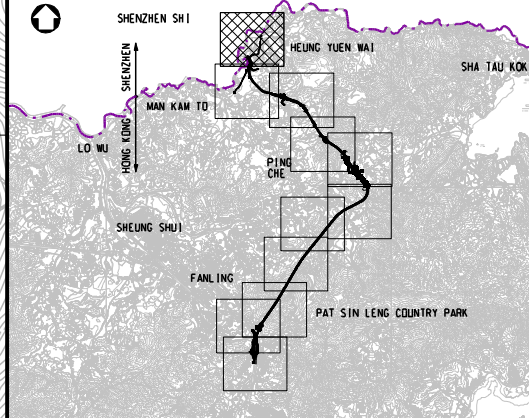
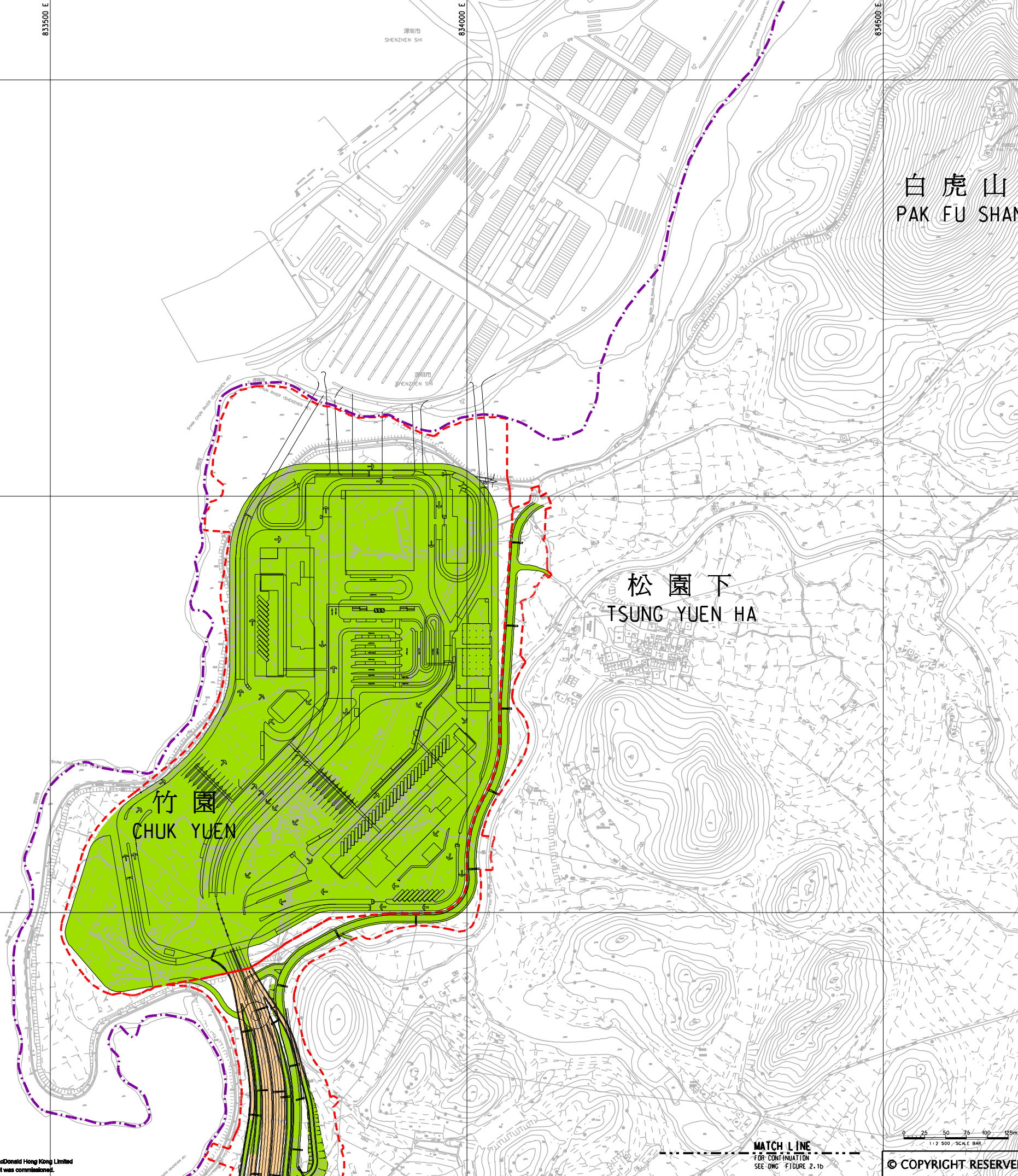
834000 E

834500 E

846500 N





846000 N

845500 N



KEY PLAN
SCALE 1:100000

LEGEND:


-  BOUNDARY OF HKSAR
-  WORKS AREA (ABOVE GROUND)
-  AT GRADE WORKS (BCP & ALIGNMENT)
-  VIADUCT

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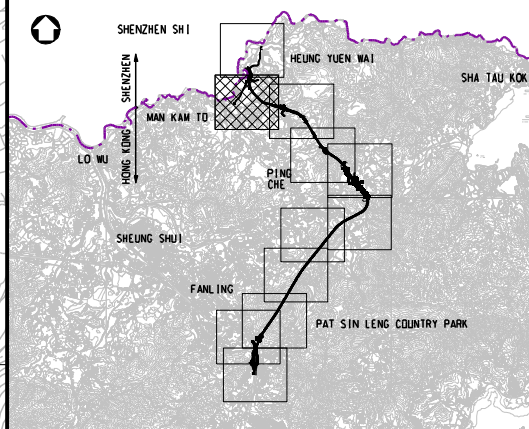
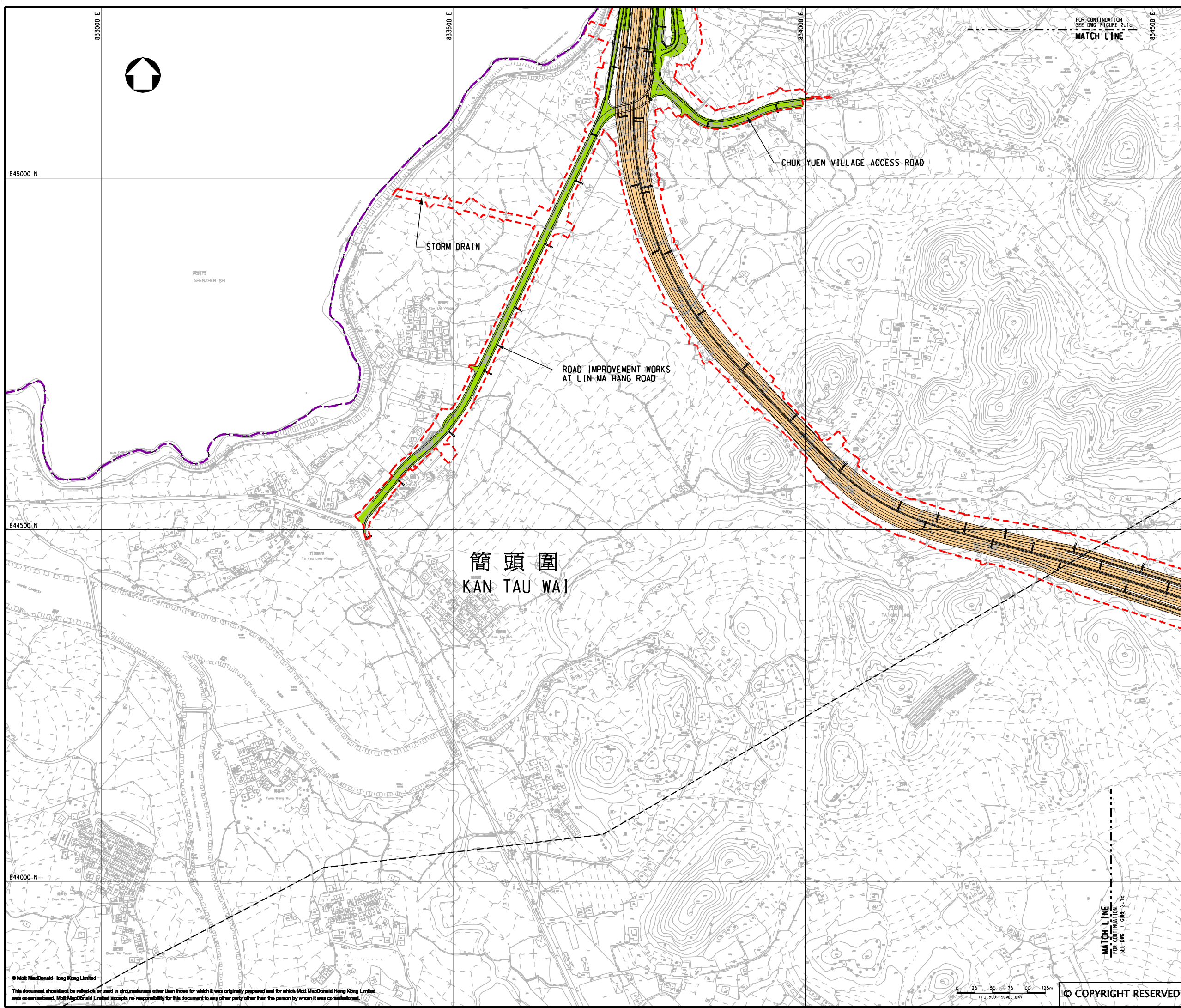
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CONTROL POINT AND ASSOCIATED WORKS

Title
PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 1 OF 11)

Designed	DC	Eng.Chk.	EC	
Drawn	MING	Coordination	EC	
Dwg.Chk.	DC	Approved	HT	
Scale at A1	1:2500	Project	255228	Status
		CAD file	h:\255228\report\env\env\10086\FIG 2-1a.dgn	PRE
Drawing No	FIGURE 2.1a	Rev	P3	

MATCH LINE
FOR CONTINUATION
SEE DWG. FIGURE 2.1b

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KEY PLAN
SCALE 1:100000

- LEGEND:**
- BOUNDARY OF HKSAR
 - WORKS AREA (ABOVE GROUND)
 - AT GRADE WORKS (ALIGNMENT)
 - VIADUCT

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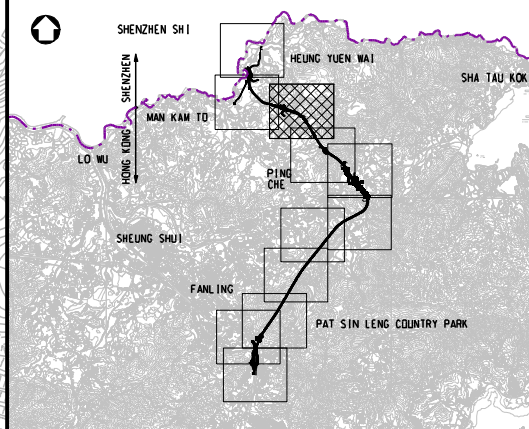
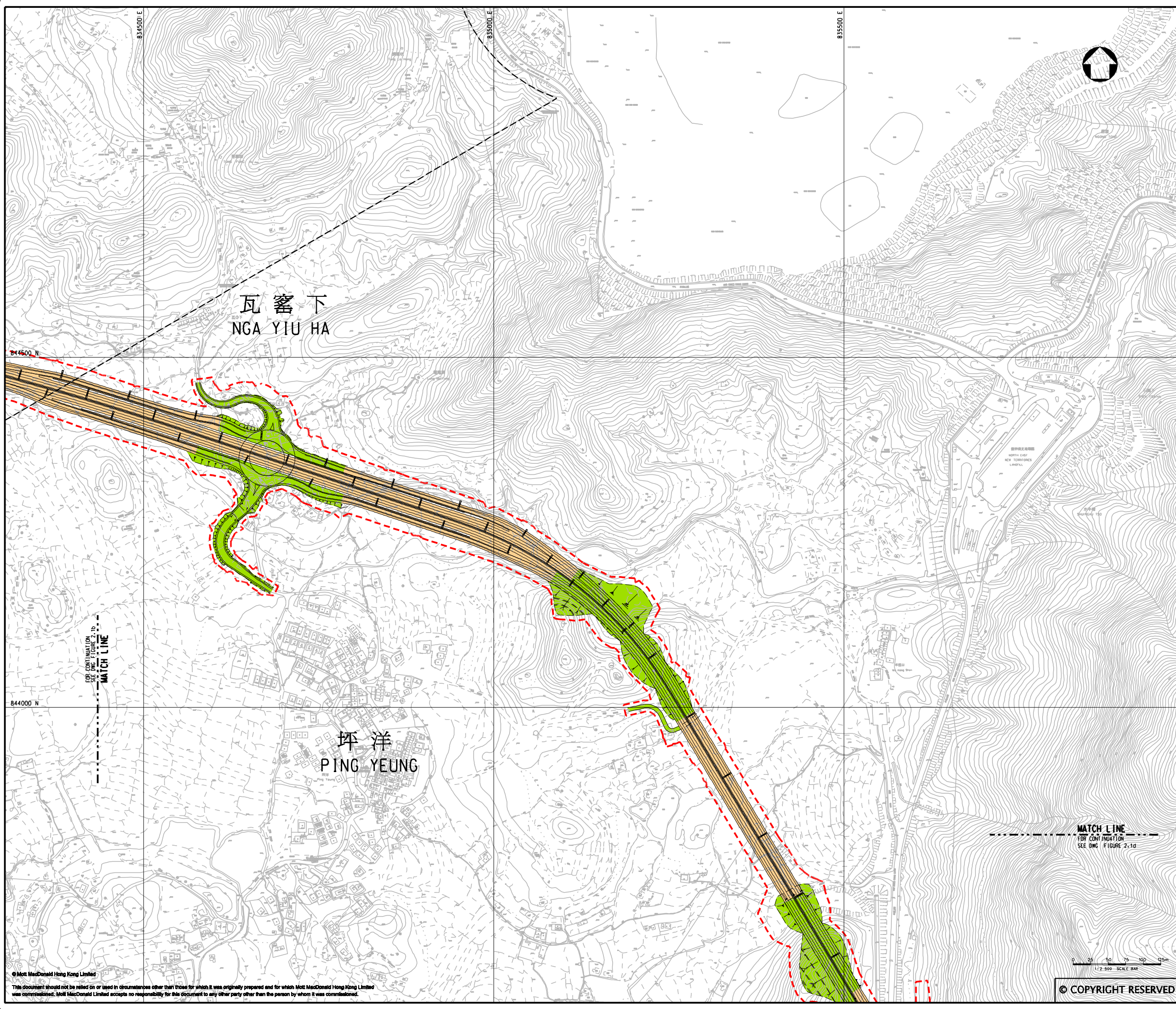
Title
PROJECT AREA - DESCRIPTION OF WORKS
 (SHEET 2 OF 11)

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Scale at A1	Project	Status	
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Drawing No	CAD file	Rev	
	\\server\proj\255228\report\env\velo\1008\6\FIG 2-1b.dgn	P3	

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FIGURE 2.1b

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KEY PLAN
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- LEGEND:**
- - - WORKS AREA (ABOVE GROUND)
 - AT GRADE WORKS (SLOPES & ALIGNMENT)
 - VIADUCT

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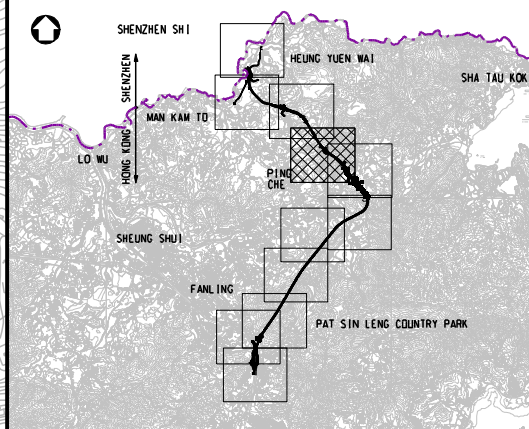
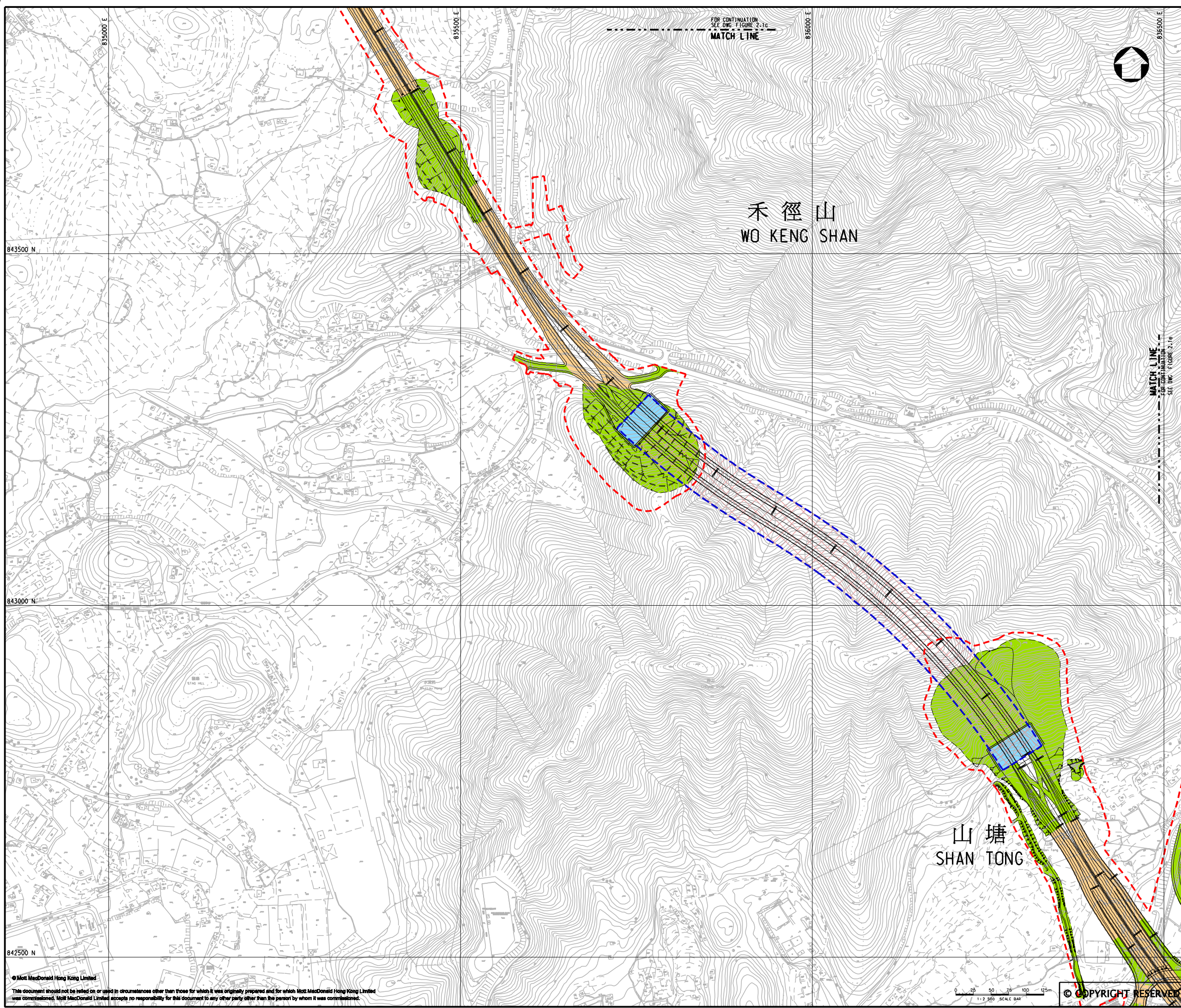
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PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 3 OF 11)

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Dwg.Chk.	DC	Approved	HT
Scale at A1	Project	Status	
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Drawing No	CAD file	Rev	
FIGURE 2.1c	\\report\env\velo\008\6\FIG 2-1c.dgn	P3	

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KEY PLAN
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LEGEND:

- - - WORKS AREA (ABOVE GROUND)
- - - WORKS AREA (TUNNEL)
- AT GRADE WORKS (SLOPES & ALIGNMENT)
- VIADUCT
- TUNNEL VENTILATION BUILDING
- DRILL & BLAST CONSTRUCTION
- ADMINISTRATION BUILDING

Rev	Date	Drawn	Description	Ch'k'd	App'd
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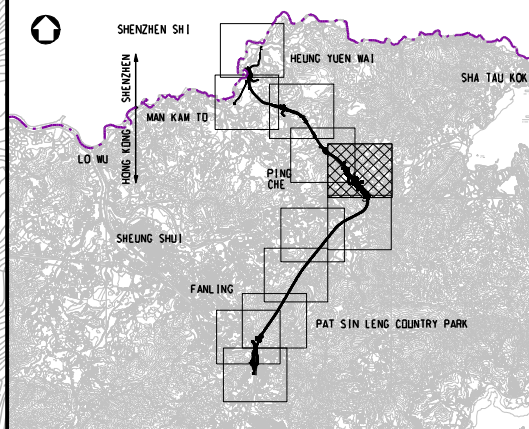
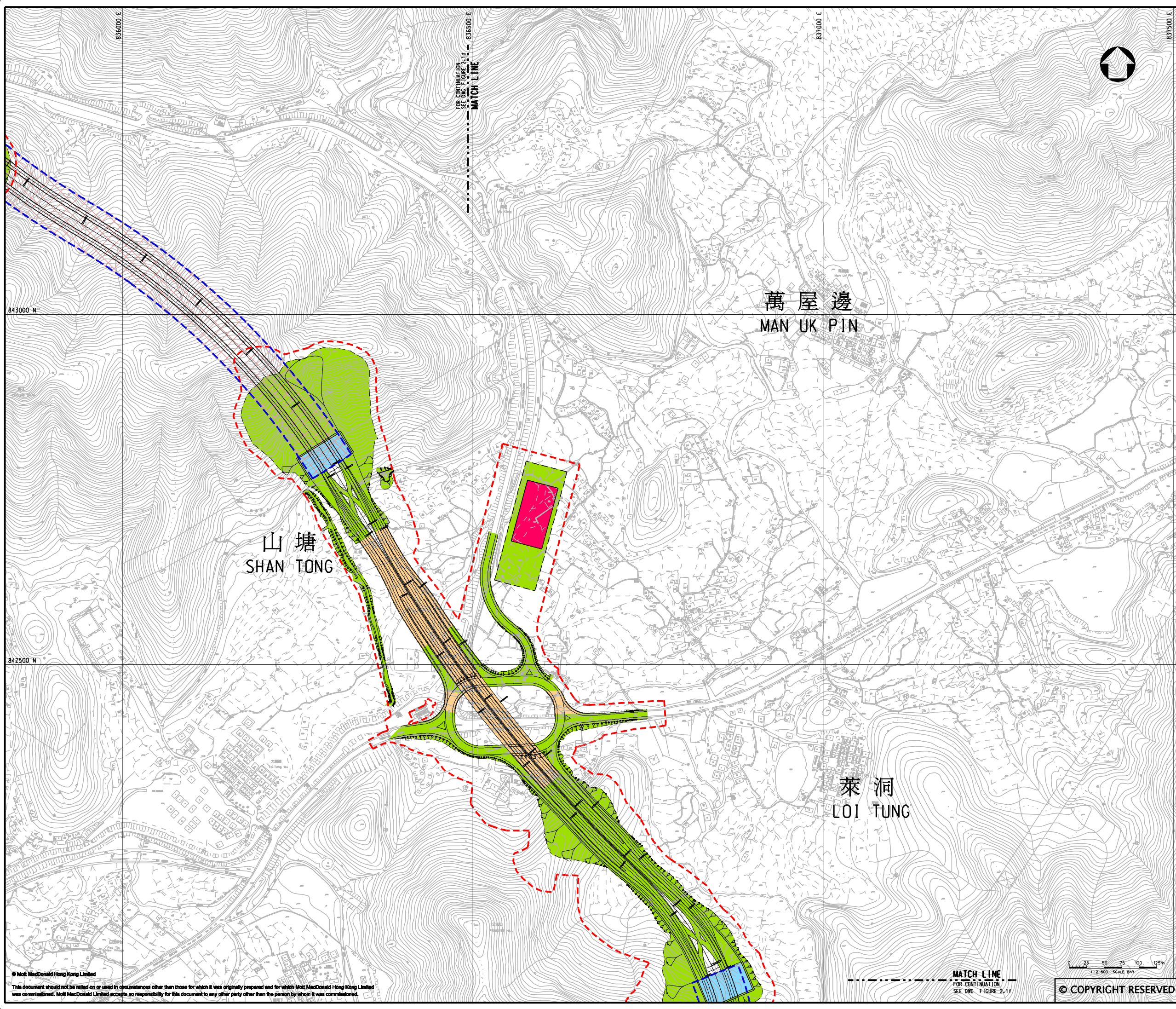
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Title

PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 4 OF 11)

Designed	DC	Eng.Chk.	EC
Drawn	MING	Coordination	EC
Dwg.Chk.	DC	Approved	HT
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CAD file	I:\255228\report\env\env\008\6\FIG 2-1d.dgn		Status
Drawing No	FIGURE 2.1d	Rev	P3

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KEY PLAN
SCALE 1:100000

- LEGEND:**
- - - WORKS AREA (ABOVE GROUND)
 - - - WORKS AREA (TUNNEL)
 - AT GRADE WORKS (SLOPES & ALIGNMENT)
 - VIADUCT
 - TUNNEL VENTILATION BUILDING
 - DRILL & BLAST CONSTRUCTION
 - ADMINISTRATION BUILDING

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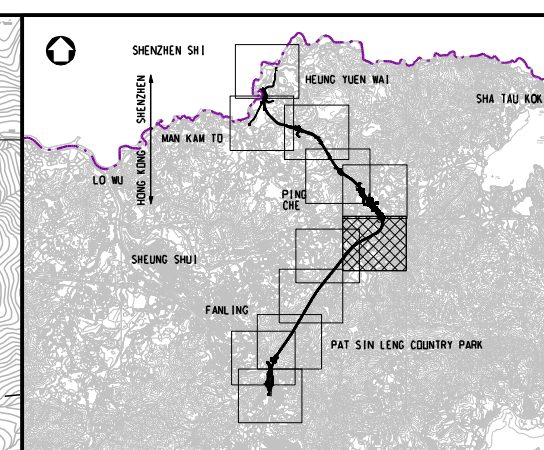
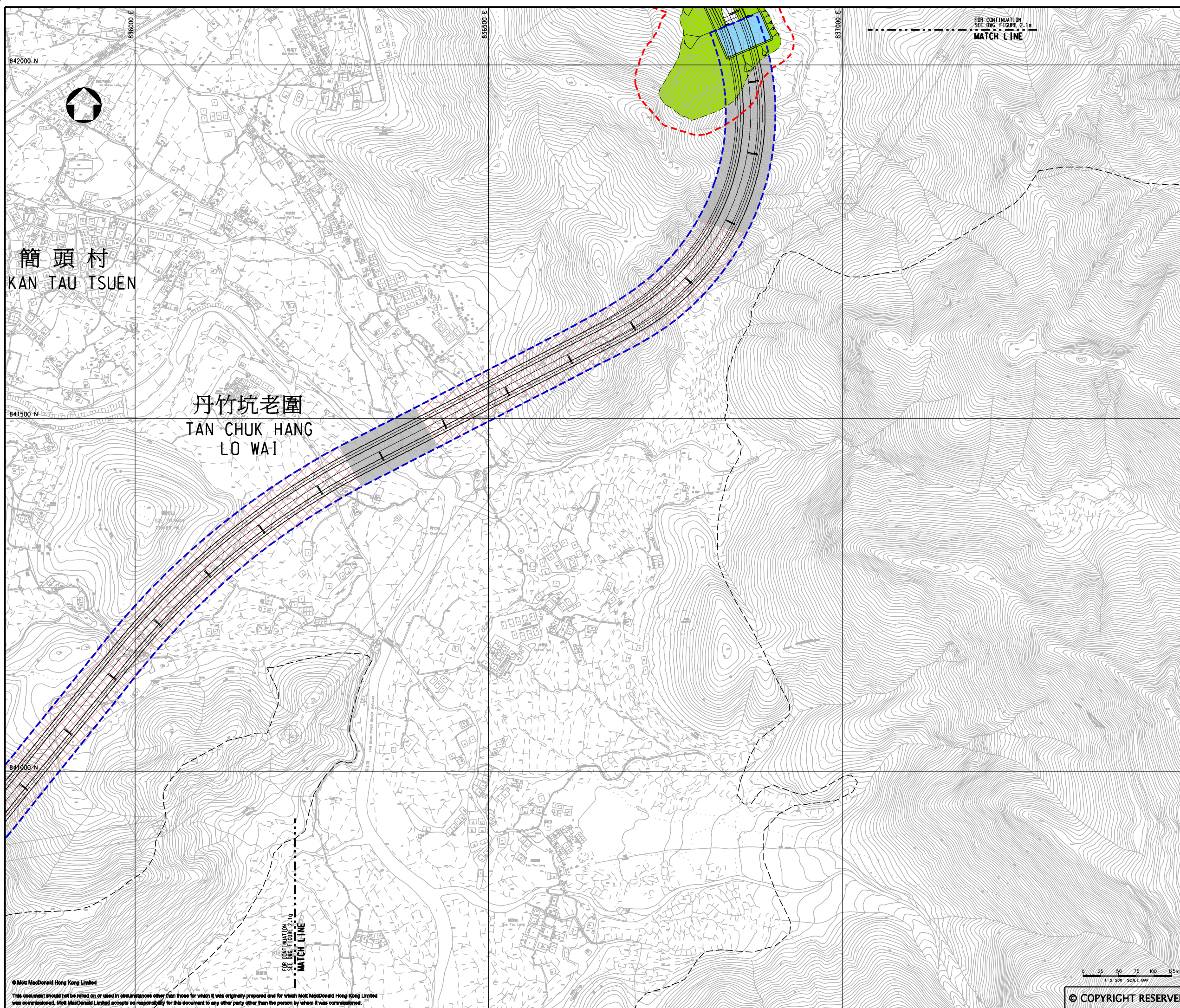
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Title

PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 5 OF 11)

Designed	DC	Eng. Chk.	EC
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FIGURE 2.1e	\\env\velo\008\6\FIG 2-1e.dgn	P3	

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KEY PLAN
SCALE 1:100000

- LEGEND:**
- - - WORKS AREA (ABOVE GROUND)
 - - - WORKS AREA (TUNNEL)
 - AT GRADE WORKS (SLOPES & ALIGNMENT)
 - TUNNEL VENTILATION BUILDING
 - DRILL & BLAST CONSTRUCTION
 - MANUAL EXCAVATION (INDICATIVE)

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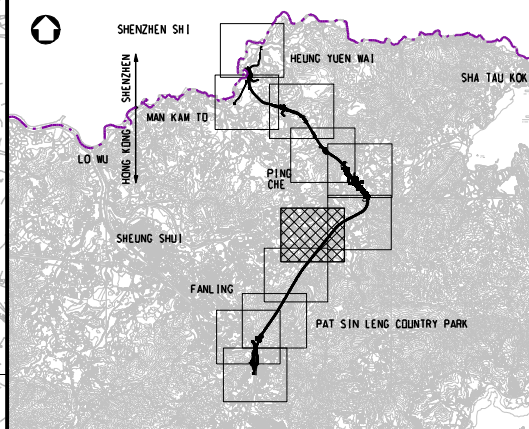
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Title
PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 6 OF 11)

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Drawn	MING	Coordination	EC
Dwg. Chk.	DC	Approved	HT
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Drawing No	CAD file	Rev	
FIGURE 2.1f	\\server\velo\008\6\FIG 2-1f.dgn	P3	

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KEY PLAN
SCALE 1:100000

LEGEND:

- WORKS AREA (TUNNEL)
- DRILL & BLAST CONSTRUCTION

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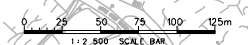
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Title

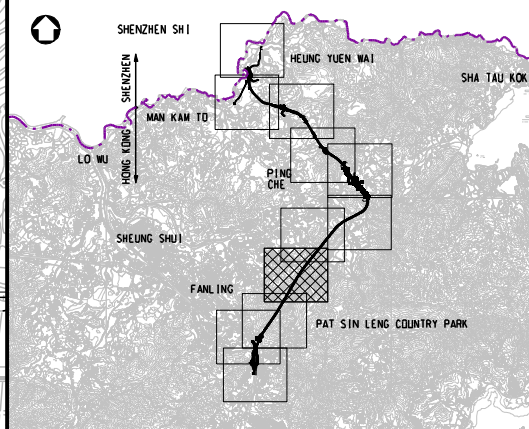
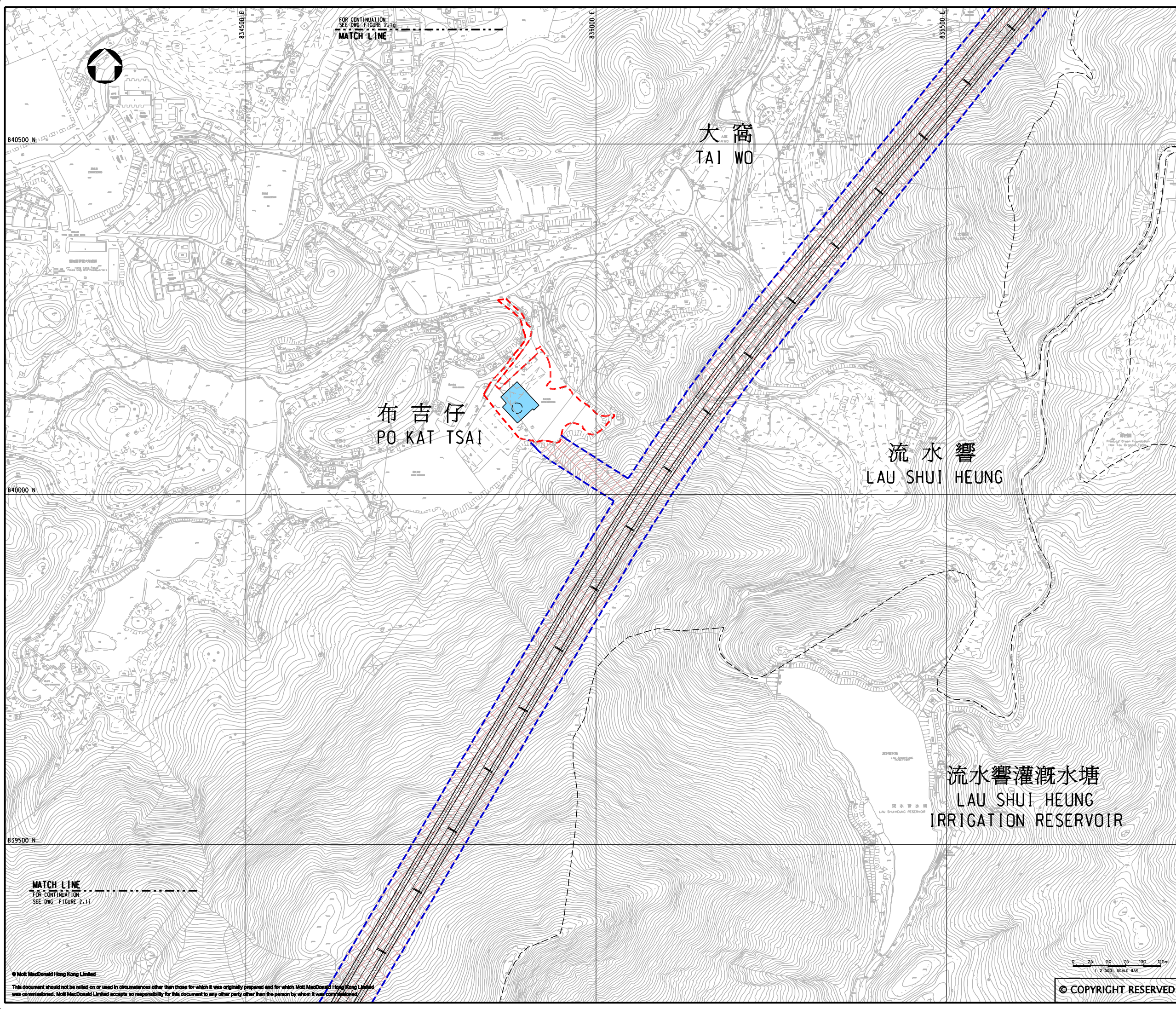
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(SHEET 7 OF 11)

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Dwg.Chk.	DC	Approved	HT
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FIGURE 2.1g	\\env\velo\10086\FIG 2-1g.dgn	P3	

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KEY PLAN
SCALE 1:100000

LEGEND:

- - - WORKS AREA (ABOVE GROUND)
- - - WORKS AREA (TUNNEL)
- DRILL & BLAST CONSTRUCTION
- MID-TUNNEL VENTILATION BUILDING

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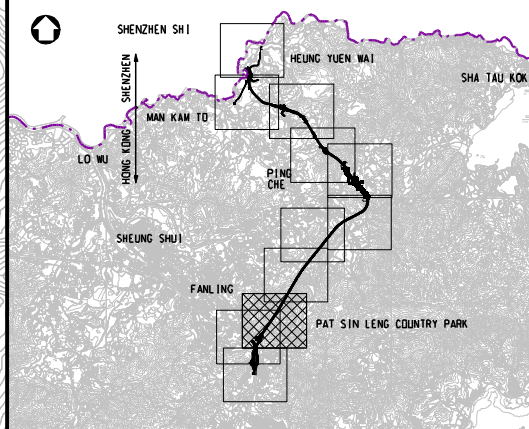
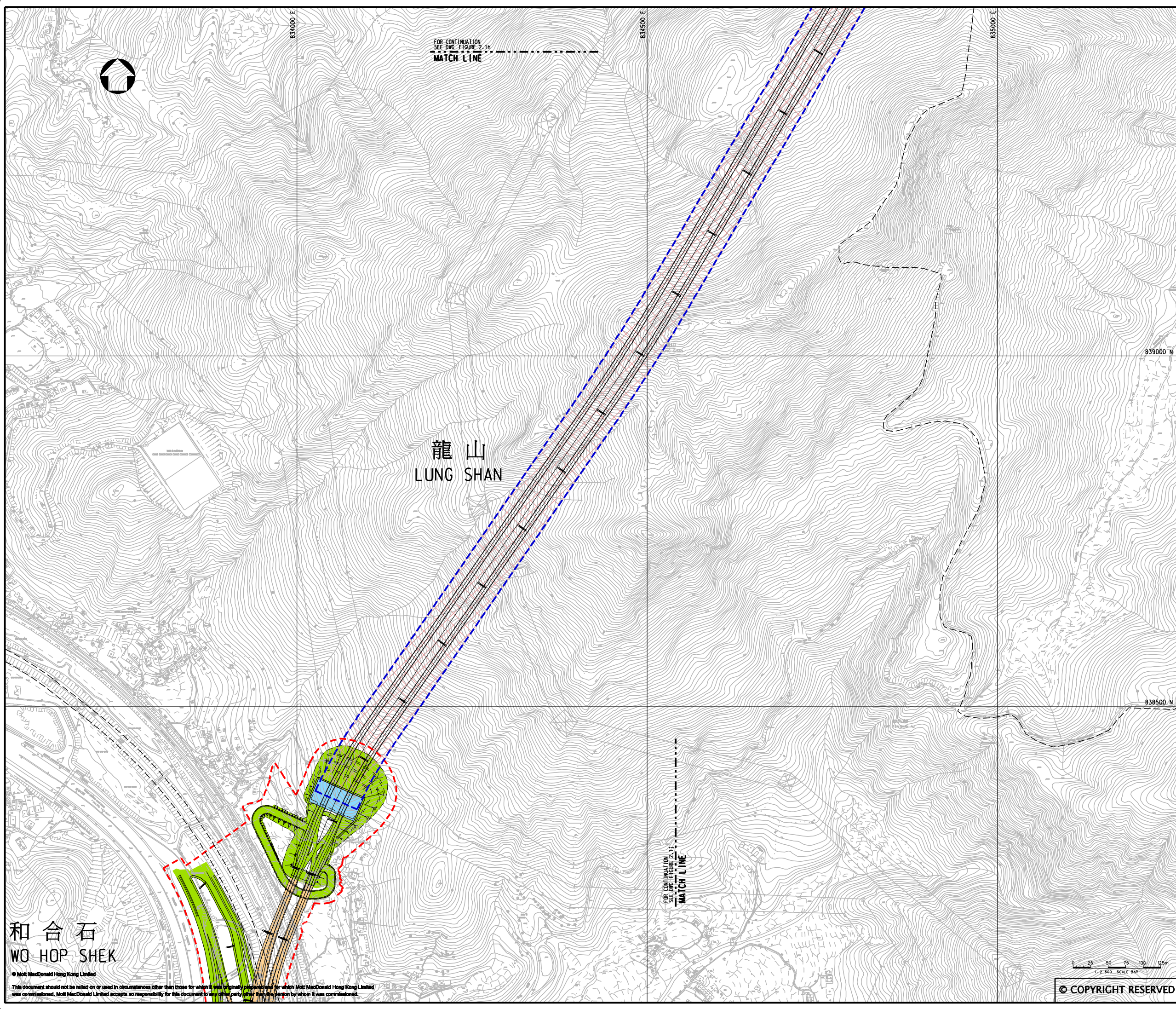
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PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 8 OF 11)

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R:\255228\report\env\env\1008\6\FIG 2-1h.dgn		P3	

0 25 50 75 100 125m
1:2500 SCALE BAR

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KEY PLAN
SCALE 1:100000

- LEGEND:**
- - - WORKS AREA (ABOVE GROUND)
 - - - WORKS AREA (TUNNEL)
 - AT GRADE WORKS (SLOPES & ALIGNMENT)
 - TUNNEL VENTILATION BUILDING
 - DRILL & BLAST CONSTRUCTION

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Title

PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 9 OF 11)

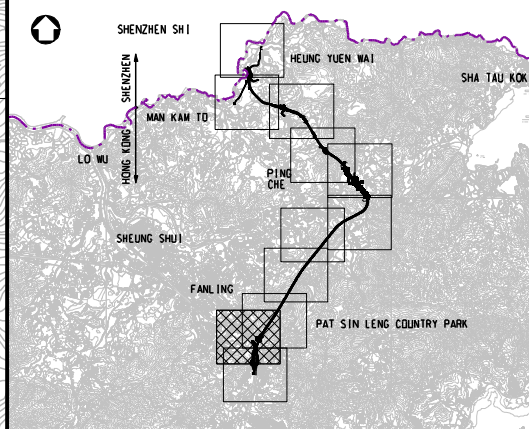
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Scale at A1	Project	Status	
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FIGURE 2.1i	\\report\env\velo\10086\FIG 2-ii.dgn	P3	

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KEY PLAN
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LEGEND:

- - - WORKS AREA (ABOVE GROUND)
- - - WORKS AREA (TUNNEL)
- AT GRADE WORKS (SLOPES & ALIGNMENT)
- VIADUCT
- TUNNEL VENTILATION BUILDING
- DRILL & BLAST CONSTRUCTION

Rev	Date	Drawn	Description	Ch'k'd	App'd
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Title

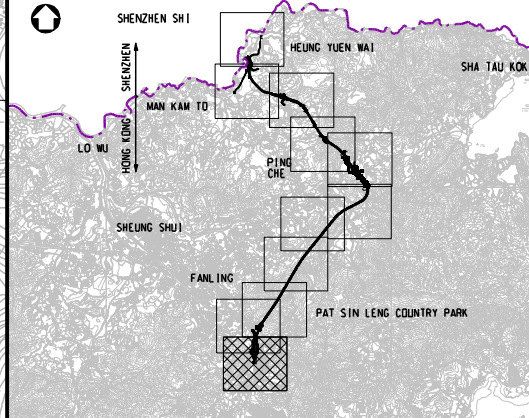
PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 10 OF 11)

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Scale at A1	1:2500	Project	255228
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Drawing No	FIGURE 2.1j	Status	PRE
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KEY PLAN
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- LEGEND:
- - - WORKS AREA (ABOVE GROUND)
 - AT GRADE WORKS (ALIGNMENT)
 - VIADUCT

Rev	Date	Drawn	Description	Ch'k'd	App'd
P3	AUG 10	MING	GENERAL REVISION	DC	HT
P2	MAY 10	MING	GENERAL REVISION	FY	HT
P1	APR 10	MING	FIRST ISSUE	FY	HT

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**CIVIL ENGINEERING
AND DEVELOPMENT
DEPARTMENT**

Project
AGREEMENT NO. CE45/2008(CE)
LIANTANG/HEUNG YUEN WAI BOUNDARY
CONTROL POINT AND ASSOCIATED WORKS

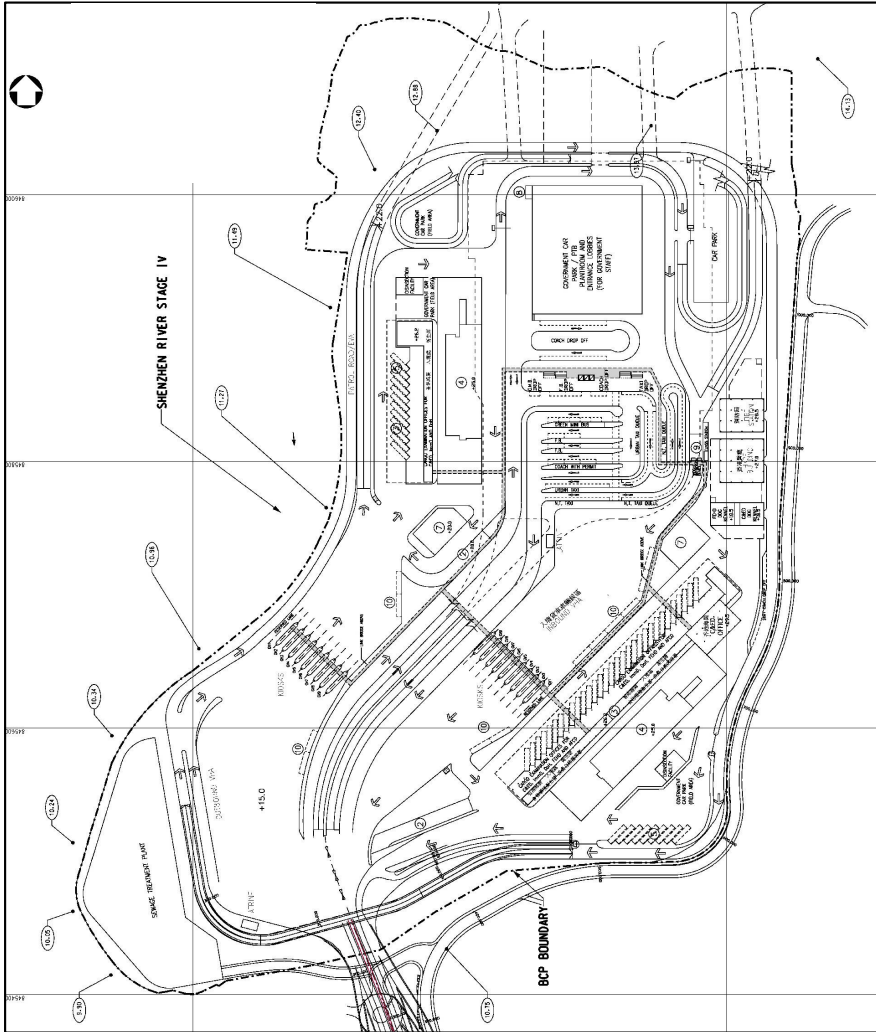
Title
PROJECT AREA - DESCRIPTION OF WORKS
(SHEET 11 OF 11)

Designed	DC	Eng.Chk.	EC
Drawn	MING	Coordination	EC
Dwg.Chk.	DC	Approved	HT
Scale at A1	Project	Status	
1:2500	255228	PRE	
Drawing No	CAD file	Rev	
FIGURE 2.1k	\\report\env\velo\1008\6\FIG 2-1k.dgn	P3	

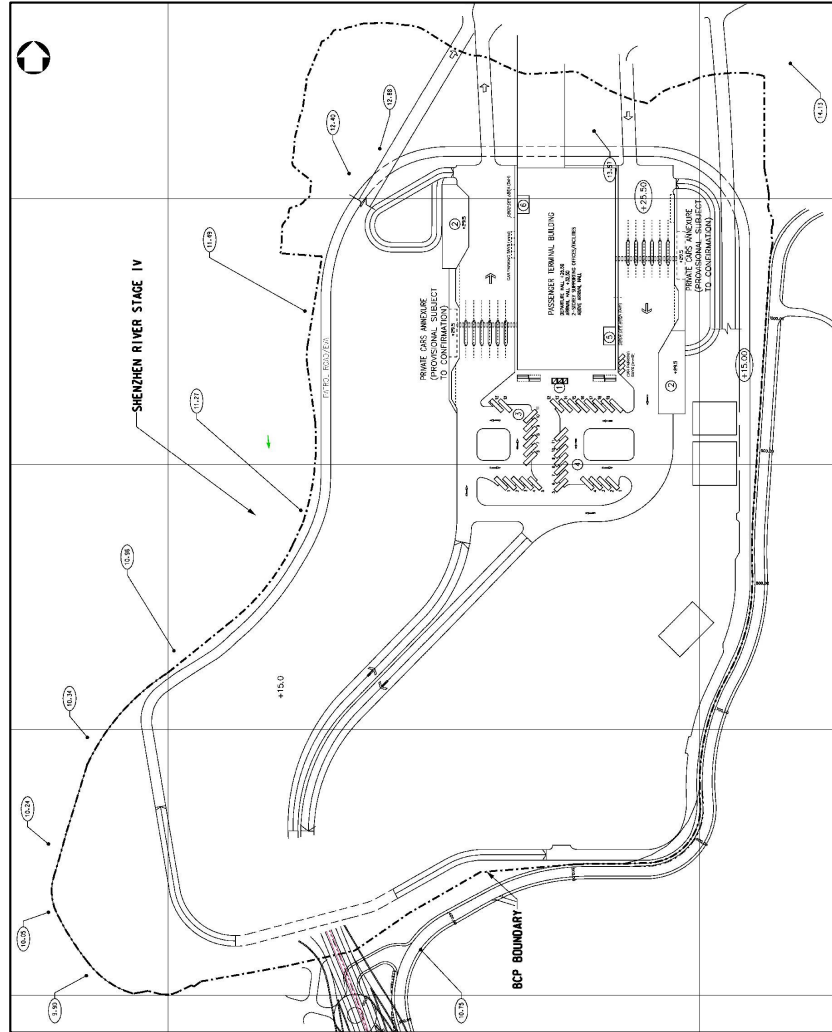
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Lower Deck



Upper Deck

Legend – Lower Deck

- ① VERTICAL CIRCULATION / TRANSPORTATION
上下樓梯連橋
- ② WAREHOUSE
貨車庫
- ③ GOODS VEHICLE SEARCH PLATFORMS & OFFICE
貨車檢查平台及辦公室
- ④ EXHIBITS & OFFICES
展覽-光檢查及辦公室
- ⑤ VEHICLES DETENTION AREA
貨車停留區
- ⑥ PUBLIC TRANSPORT INTERCHANGE
公共交通交匯處
- ⑦ EXHIBITS & OFFICES
展覽-光檢查及辦公室
- ⑧ REFUSE COLLECTION POINT
垃圾收集點
- ⑨ UNDER VEHICLE SURVEILLANCE SYSTEM (UVSS)
車底監察系統
- ⑩ CAR PARKING BAYS FOR GOODS VEHICLE DRIVERS
貨車司機停車位
- 行人橋

Legend – Upper Deck

- PARKING AREA
- LEVEL IN YSD
- LEVEL IN MFD
- ① VERTICAL CIRCULATION / TRANSPORTATION
上下樓梯連橋
- ② EXHIBITS & OFFICES
展覽-光檢查及辦公室
- ③ CROSS BOUNDARY SCHOOL BUS / COACH DROPPING AREA WITH COVERED WALKWAY
過境校巴 / 巴士落客區設有蓋行人通道
- ④ CROSS BOUNDARY SCHOOL BUS / COACH PICK UP AREA WITH COVERED WALKWAY
過境校巴 / 巴士落客區設有蓋行人通道
- ⑤ CONSULTATION ROOM
會議室

Rev	Date	Drawn	Description	CHK'd	APP'd

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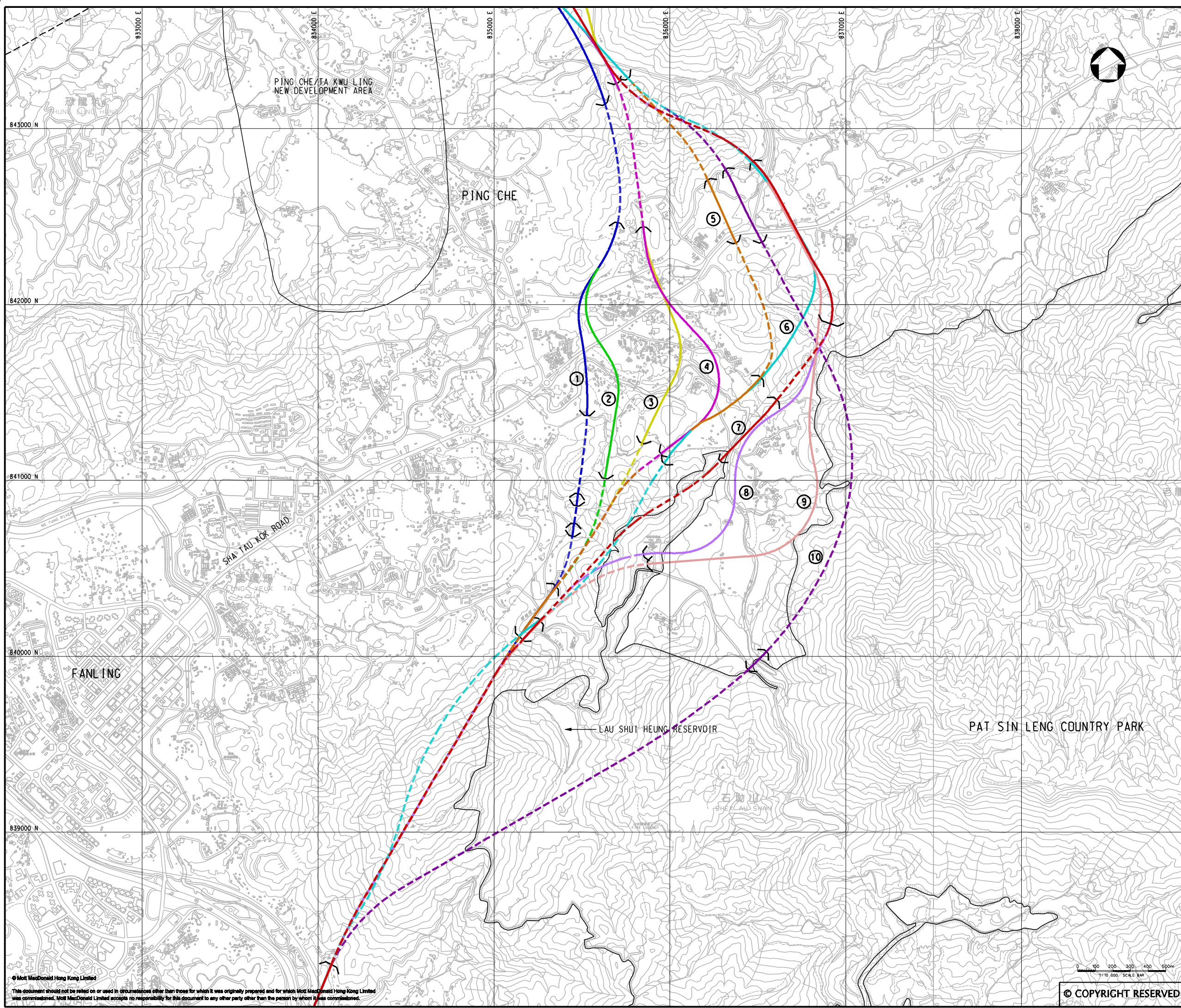
Project
AGREEMENT NO. CE45/2008 (CE)
LIANTANG/HEUNG YUEN WAI BOUNDARY
CROSSING POINT AND ASSOCIATED WORKS

Title
Finalised BCP Layout

Designed		Eng.Chk.	
Drawn		Coordination	
Dwg.Chk.		Approved	
Scale at A1	Project	255228	Status
	CAD file		

Drawing No. **Figure 2.2**

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- LEGEND:**
- ALIGNMENT OPTION 1
 - ALIGNMENT OPTION 2
 - ALIGNMENT OPTION 3
 - ALIGNMENT OPTION 4
 - ALIGNMENT OPTION 5
 - ALIGNMENT OPTION 6
 - ALIGNMENT OPTION 7
 - ALIGNMENT OPTION 8
 - ALIGNMENT OPTION 9
 - ALIGNMENT OPTION 10
 - - - - - TUNNEL SECTION

P1	AUG 10	MING	FIRST ISSUE	DC	HT
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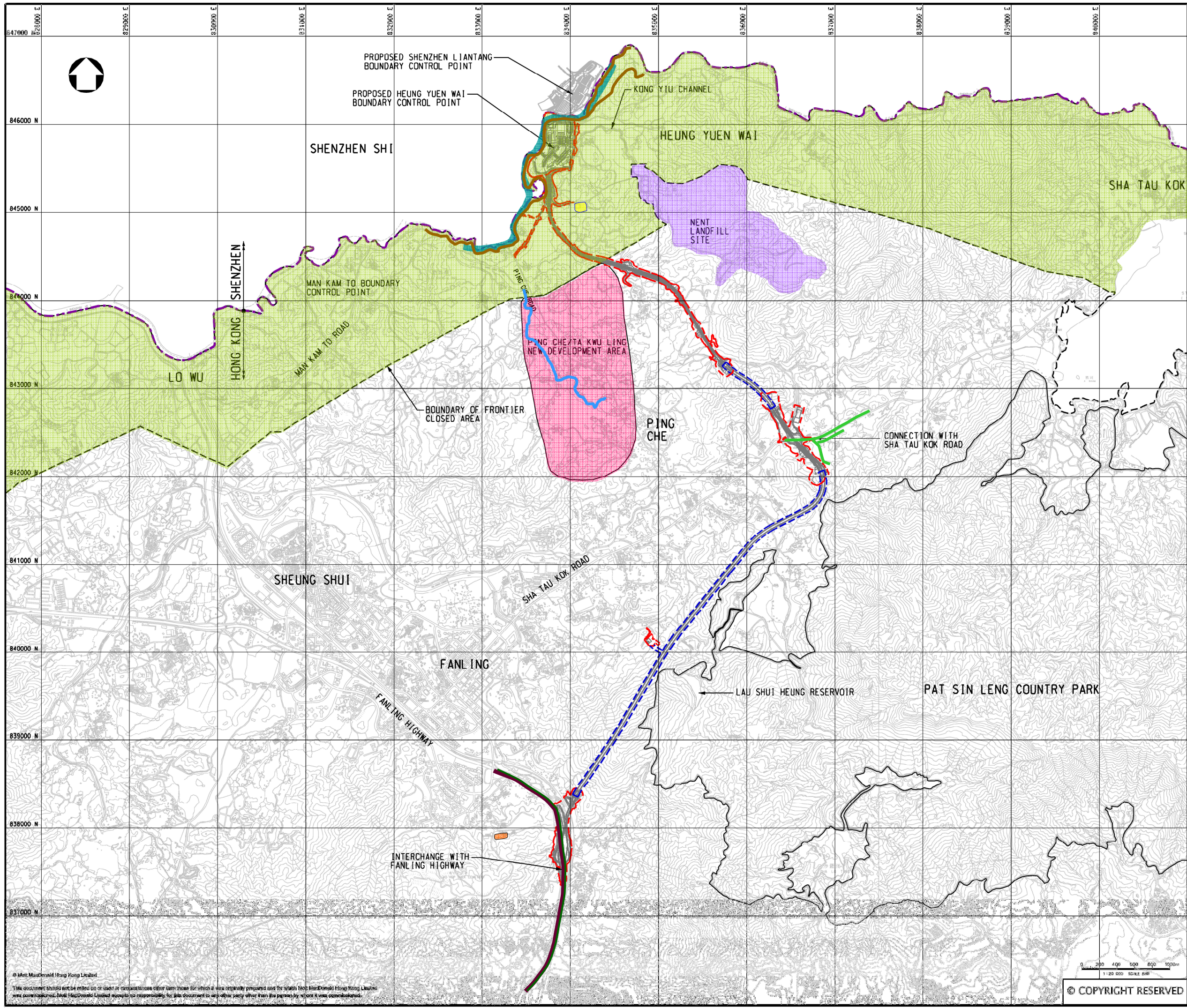
Project
 AGREEMENT NO. CE45/2008(CE)
 LIANTANG/HEUNG YUEN WAI BOUNDARY
 CONTROL POINT AND ASSOCIATED WORKS

Title
 REFINED ALIGNMENT OPTIONS

Designed	DC	Eng. Chk.	EC
Drawn	MING	Coordination	EC
Dwg. Chk.	DC	Approved	HT
Scale at A1	Project	Status	
1:10000	255228	PRE	
Drawing No	CAD file	Rev	
FIGURE 2.3	\\report\env\velo\008\6\FIG 2-3.dgn	P1	

0 100 200 300 400 500
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- LEGEND:**
- BOUNDARY OF HKSAR
 - WORKS AREA (ABOVE GROUND)
 - WORKS AREA (TUNNEL)
 - █ Regulation of Shenzhen River Stage 4
 - █ Construction of a Secondary Boundary Fence and new sections of Primary Boundary Fence and Boundary Patrol Road – Ping Yuen to Pal Fu Shan Section
 - █ Resite of Chuk Yuen Village
 - █ North East New Territories New Development Areas – including Fanling Bypass
 - █ Widening of Tolo Highway / Fanling Highway between Island Interchange and Fanling
 - █ Land Use Planning for the Closed Area
 - █ North East New Territories Landfill Extension – including capping of existing landfill
 - █ Drainage Improvements in Northern New Territories – Package C
 - █ Provision of Wo Hop Shek Crematorium
 - █ Cycle Tracks Connecting North West New Territories with North East New Territories – Sheung Shui to Ma On Shan Section
 - █ Drainage Improvements in Northern New Territories – Package C (Remaining Works)

Rev	Date	Drawn	Description	Ch'k'd	App'd



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CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

Project

**AGREEMENT NO. CE45/2008 (CE)
LIANTANG/HEUNG YUEN WAI BOUNDARY CONTROL POINT AND ASSOCIATED WORKS**

Title

Indicative Locations of Potential Concurrent Projects

Designed		Eng.Chk.	
Drawn		Coordination	
Dwg.Chk.		Approved	
Scale at A1	Project	255228	Status
	CAD file	U:\255228\REPORT\NEW\DRAWINGS\255228-P-AL-TL-B-N.dgn	
Drawing No	Figure 2.4	Rev	

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