


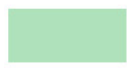




圖例 LEGEND

-  更新後的整體研究範圍
Revised Overall Study Area
-  落馬洲河套地區 (A區)
Lok Ma Chau Loop (Area A)
-  河套地區外圍 (B區)
Area Outside the Loop (Area B)
-  河套地區外圍 (B區)(新增)
Area Outside the Loop (Area B)(Added)
-  深圳市政府在深圳境內將會進行研究的範圍 (C區)(不變)
Area in Shenzhen to be studied by Shenzhen Municipal Government (Area C) (Unchanged)
-  新界東北新發展區規劃及工程研究範圍
Study Area of NENT New Development Areas Planning and Engineering Study

新田分區計劃大綱(S/YL-ST/8) /
馬草壟及蠔殼圍發展審批地區圖(DPA/NE-MTL/2)
San Tin Outline Zoning Plan (S/YL-ST/8) /
Ma Tso Lung and Hoo Hok Wai Development
Permission Area Plan (DPA/NE-MTL/2)

* 註: 於已獲核准的馬草壟及蠔殼圍發展審批地區圖(圖則編號: DPA/NE-MTL/2)中列為“未指定用途”
Note: “Unspecified Use” area on approved Ma Tso Lung and Hoo Hok Wai DPA Plan (No. DPA/NE-MTL/2)

- AGR** 農業
Agriculture
- CA** 自然保育區
Conservation Area
- G/IC** 政府、機構或社區
Government/ Institution/ Community
- GB** 綠化地帶
Green Belt
- OU** 其他指定用途
Other Specified Used
- OS** 露天儲物
Open Storage
- R(D)** 住宅(丁類)
Residential (D)
- U** 未決定用途
Undetermined
- V** 鄉村式發展
Village Type Development
- MRDJ** 道路
Road

區內交通網內的排水管網
Drainage System under
Internal Transport Network
(DP4)

污水處理廠
Sewage Treatment Works
(DP5)

東面連接路
Eastern Connection Road
(DP6)

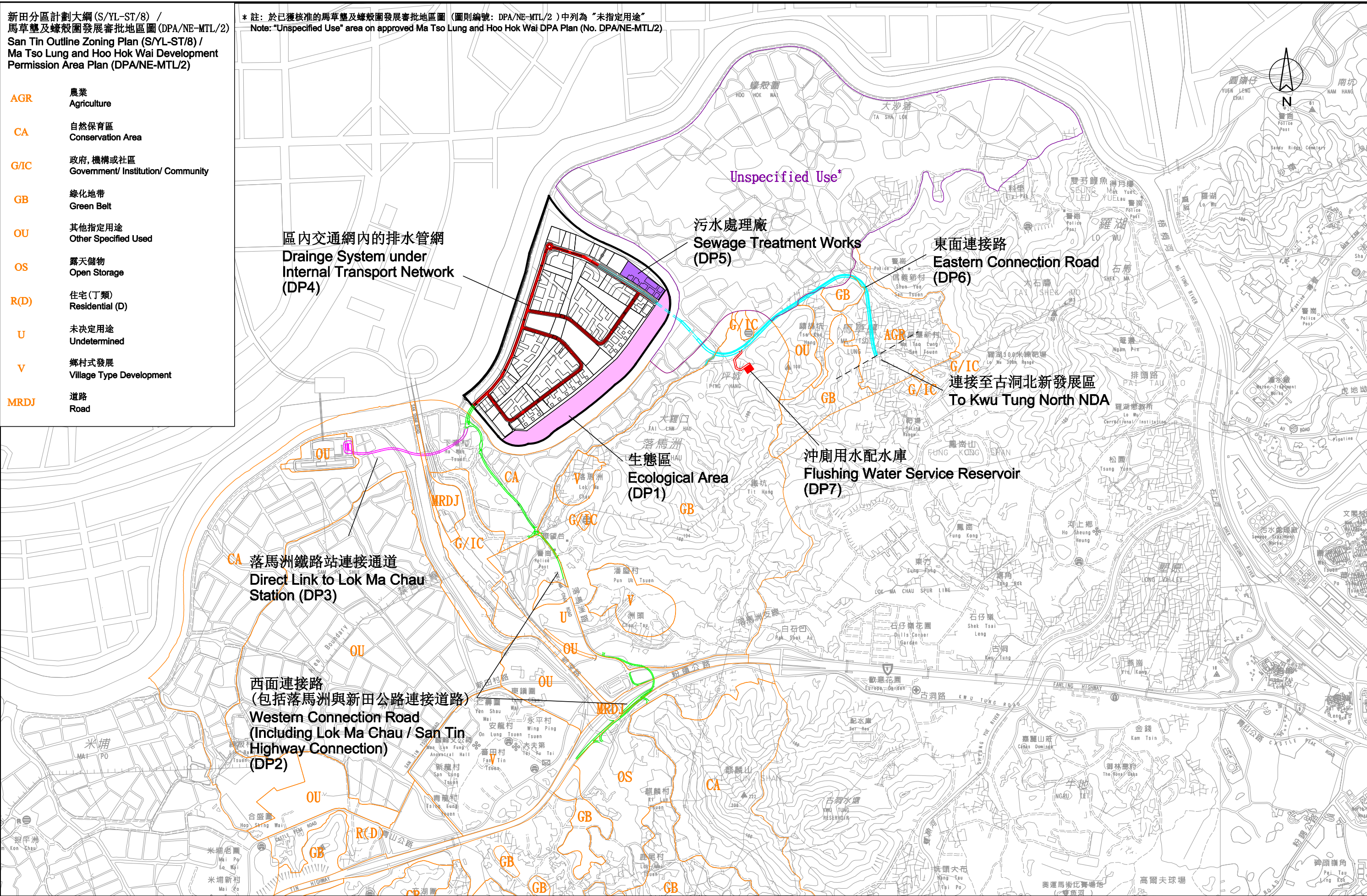
連接至古洞北新發展區
To Kwu Tung North NDA

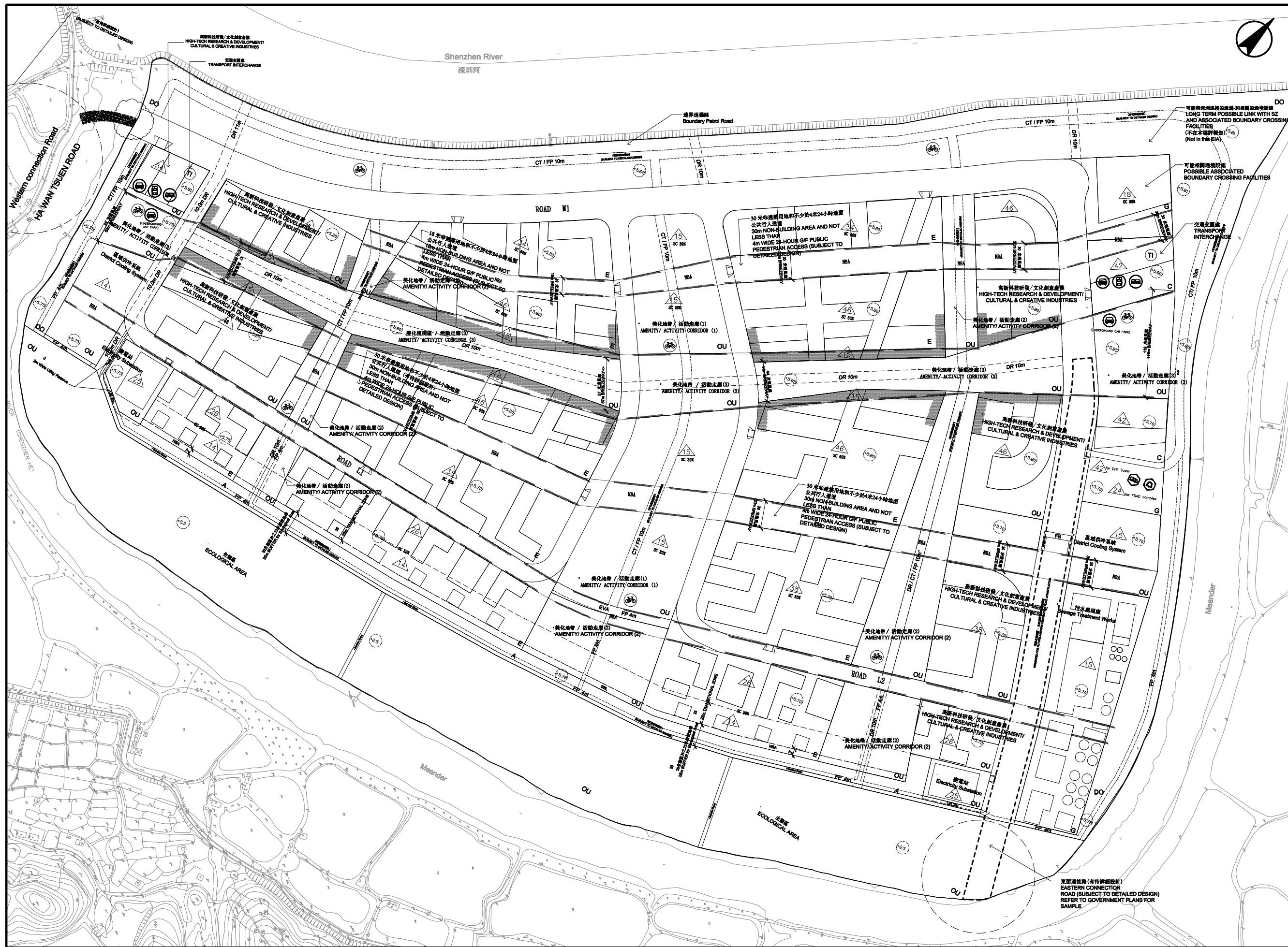
生態區
Ecological Area
(DP1)

沖廁用水配水庫
Flushing Water Service Reservoir
(DP7)


落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau
Station (DP3)


西面連接路
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin
Highway Connection)
(DP2)





Legend	
---	LMC Loop Boundary 落馬洲河套地區
---	Zoning Boundary 用途地帶界線
(TI)	Transport Interchange 公共運輸交匯處
(Fire Station)	Fire Station Cum Ambulance Depot 消防局暨救護站
(Bicycle)	Bicycle Parking Station 單車停放處
ESS	Electricity Substation 電力支站
DCS	District Cooling System 區域供冷系統廠
BCF	Boundary Crossing Facilities 過境設施
(Elevated Road)	Elevated Road 高架道路
(Breezeway)	Breezeway 通風廊
NBA	Non-building Area 非建築用地
(Area Designated for "Shop and Services" and "Eating Place" Uses Only)	Area Designated for "Shop and Services" and "Eating Place" Uses Only 只限於指定為「商店及服務行業」和「食肆」用途的地區
DR	Drainage Reserve 排水專用範圍
EVA	Emergency Vehicular Access 緊急車輛通道
SC	Site Coverage 上蓋面積
UR	Utility Reserve 公用設施區
(Maximum Building Height)	Maximum Building Height (in mPD) 最高建築物高度 (在主水平基準上若干米)
+6.0	Proposed Level (mPD) 建議的地盤平整水平 (在主水平基準上若干米)
FB	Footbridge 行人天橋
FP	Footpath 行人路
CT	Cycle Track 單車徑
(Ingress/Egress)	Ingress/Egress 車輛進出口
(Zebra Crossing)	Zebra Crossing 斑馬線
A	AMENITY 美化市容
DO	DISTRICT OPEN SPACE 地區休憩用地
OU	OTHER SPECIFIED USES 其他指定用途
E	EDUCATION 教育
G	GOVERNMENT 政府
C	COMMERCIAL 商業


土木工程拓展署
 CIVIL ENGINEERING
 AND DEVELOPMENT
 DEPARTMENT


規劃署
 PLANNING
 DEPARTMENT


ARUP
 奧雅納工程顧問
 Ove Arup & Partners
 Hong Kong Limited

研究項目 Job Title
 合約編號 Agreement No. CE 53/2008 (CE)
 落馬洲河套地區發展規劃及工程研究 - 勘察研究
 Planning and Engineering Study on
 Development of Lok Ma Chau Loop - Investigation

圖則項目 Title
 修改後的初步發展大綱
Revised Preliminary Layout Plan

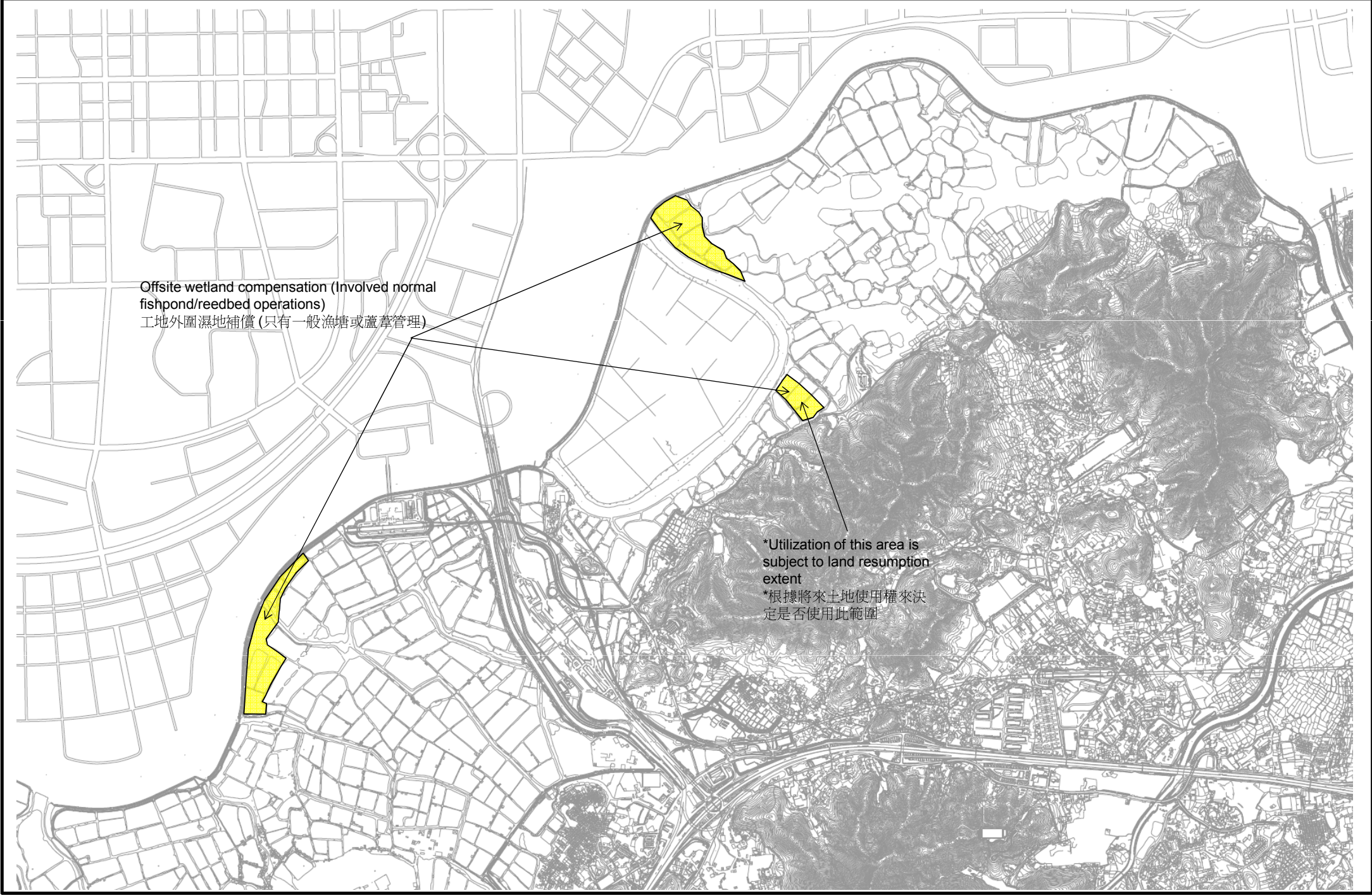
圖則編號 Figure No.
2.1b

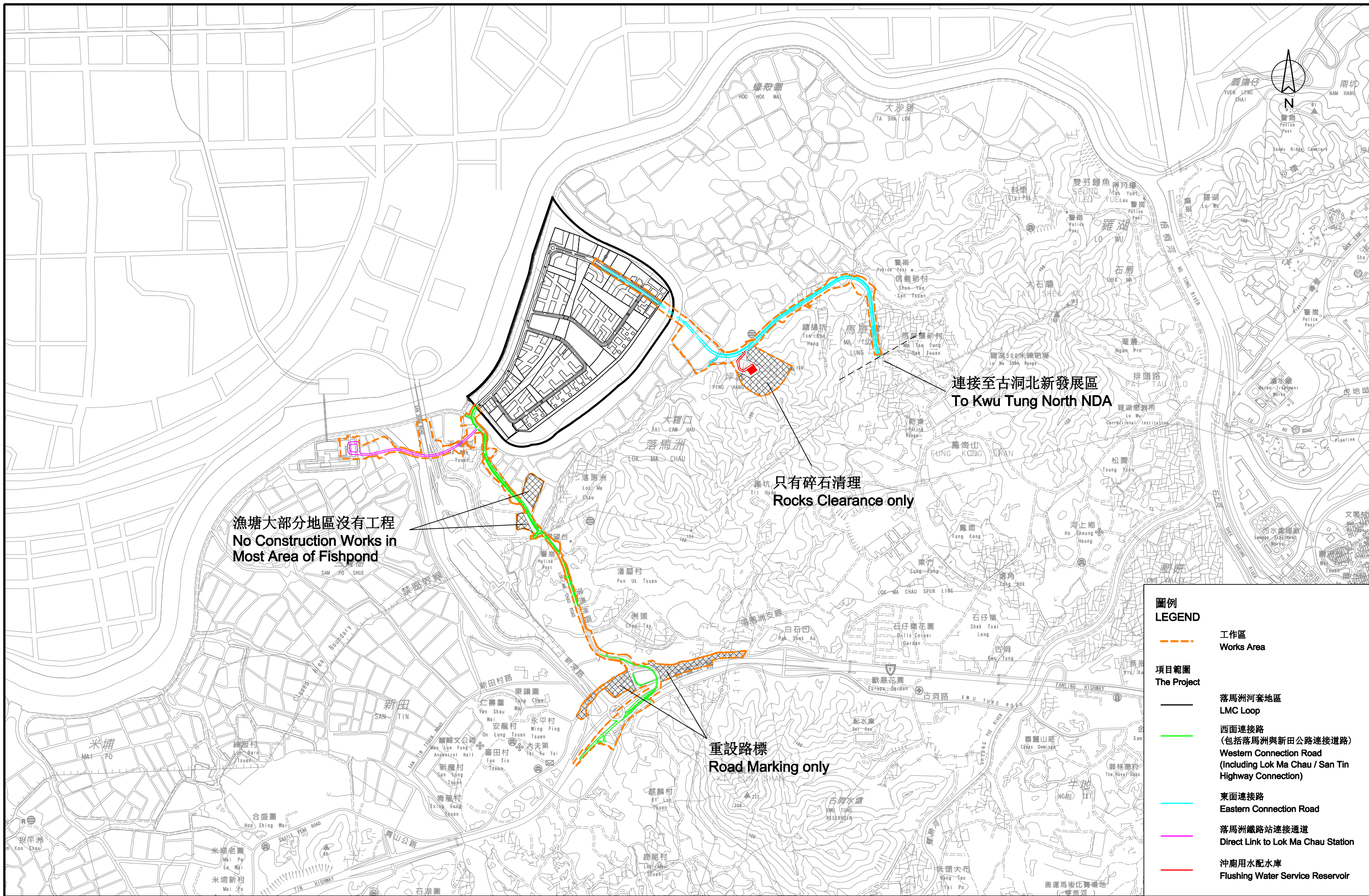
圖則 Scale
 1:4000 ON A3

修訂編號
 Rev.

Offsite wetland compensation (Involved normal fishpond/reedbed operations)
 工地外圍濕地補償 (只有一般魚塘或蘆葦管理)

*Utilization of this area is subject to land resumption extent
 *根據將來土地使用權來決定是否使用此範圍





漁塘大部分地區沒有工程
No Construction Works in
Most Area of Fishpond

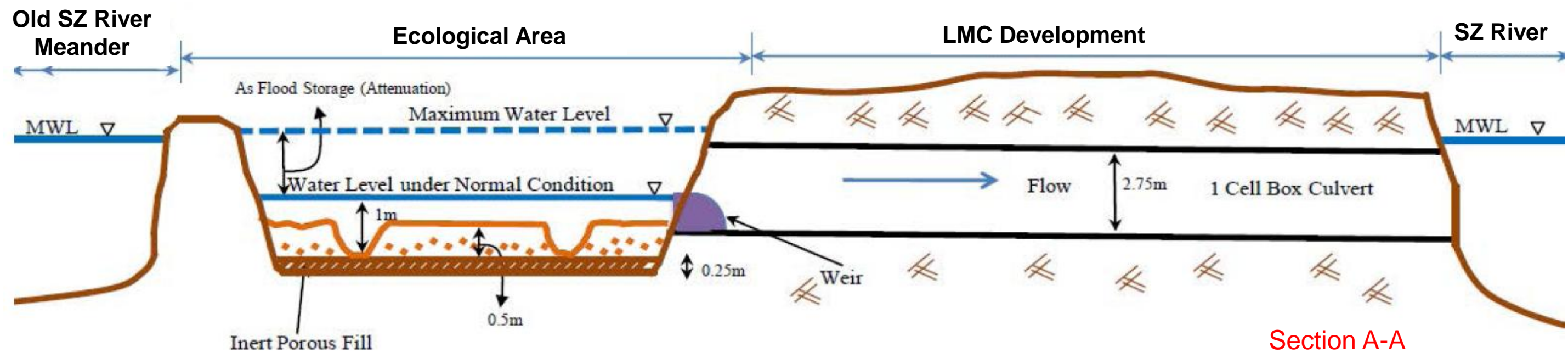
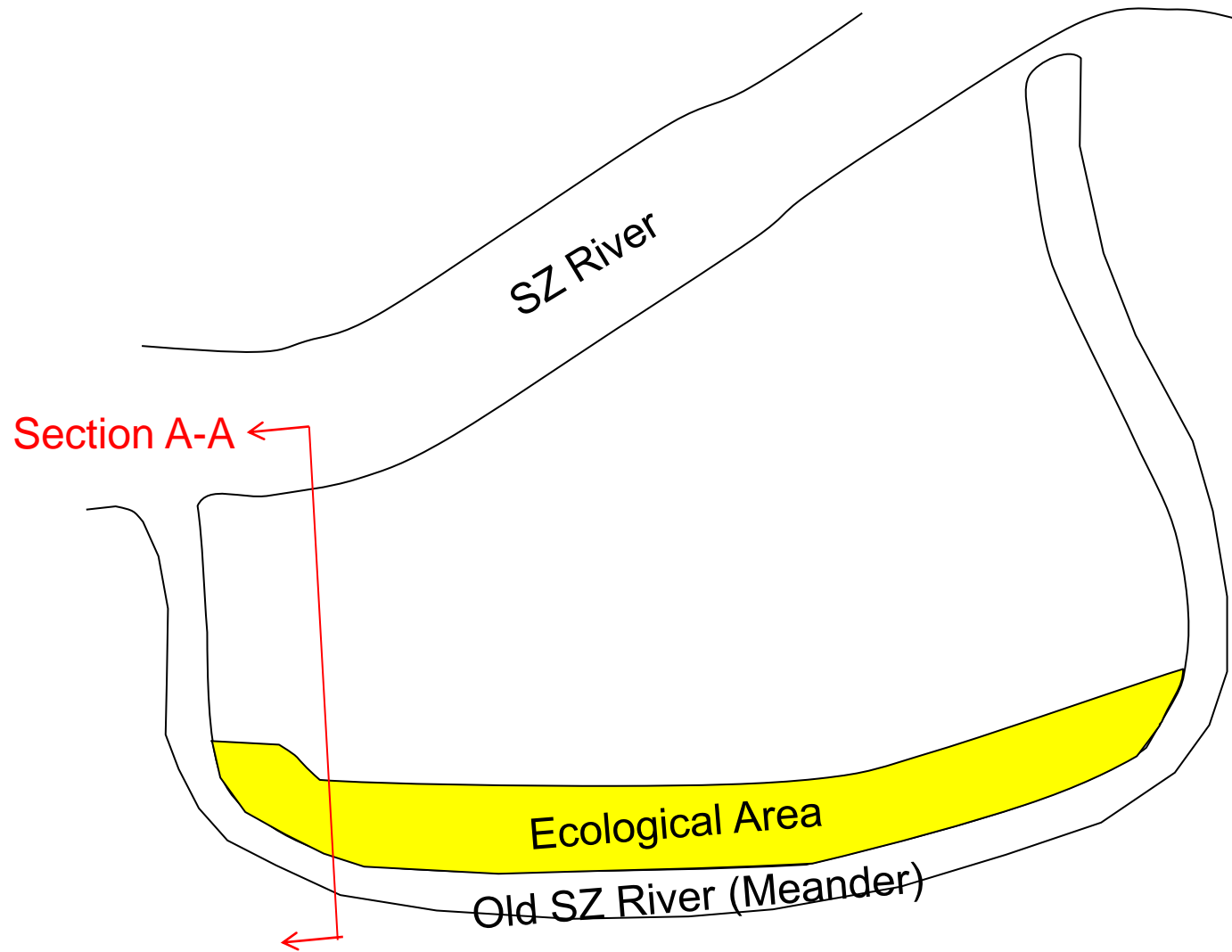
只有碎石清理
Rocks Clearance only

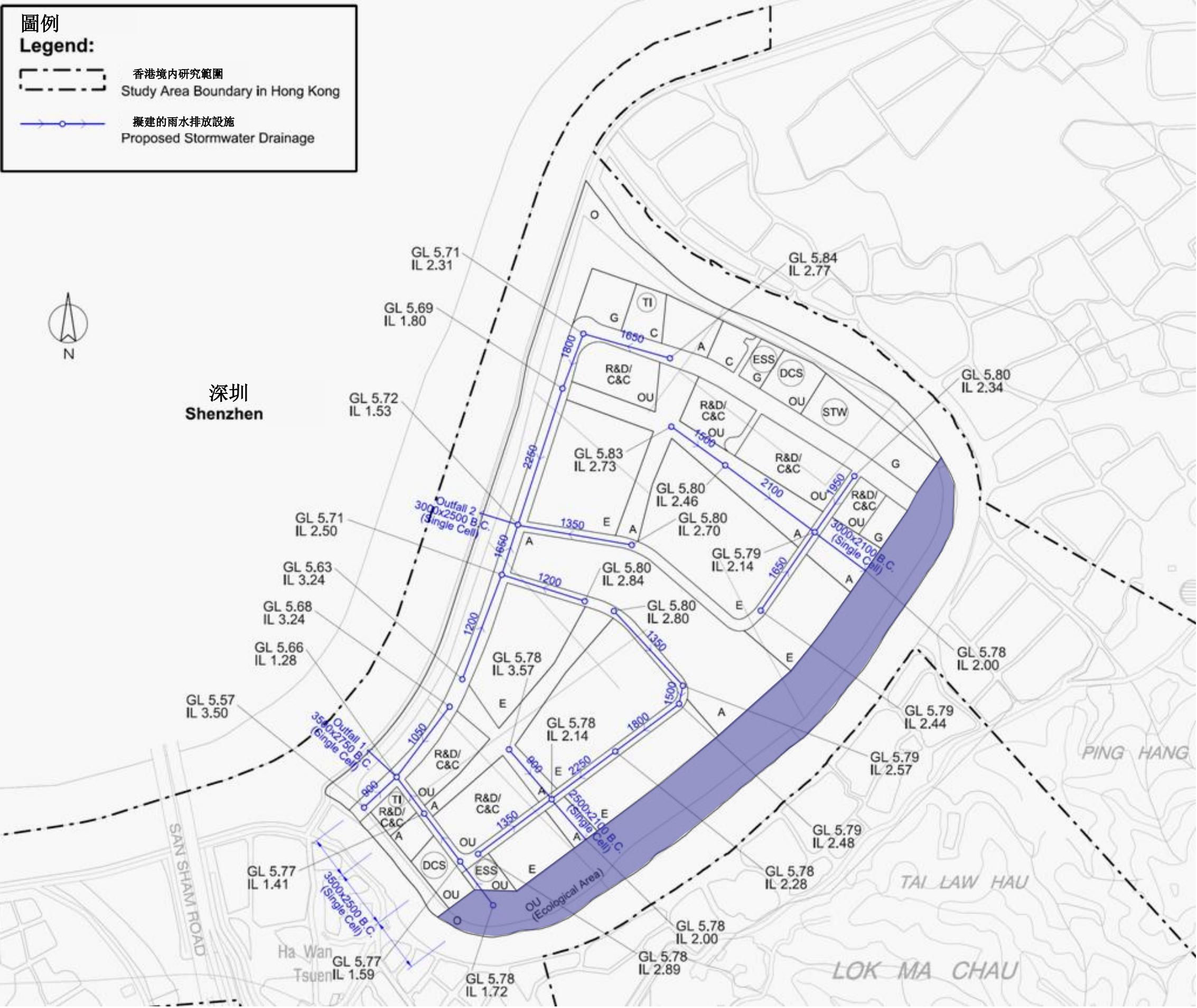
重設路標
Road Marking only

連接至古洞北新發展區
To Kwu Tung North NDA



圖例
LEGEND

- 工作區
Works Area
- 項目範圍**
The Project
- 落馬洲河套地區
LMC Loop
- 西面連接路
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin
Highway Connection)
- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 沖廁用水配水庫
Flushing Water Service Reservoir





圖例
Legend:

-  香港境內研究範圍
Study Area Boundary in Hong Kong
-  擬建的雨水排放設施
Proposed Stormwater Drainage

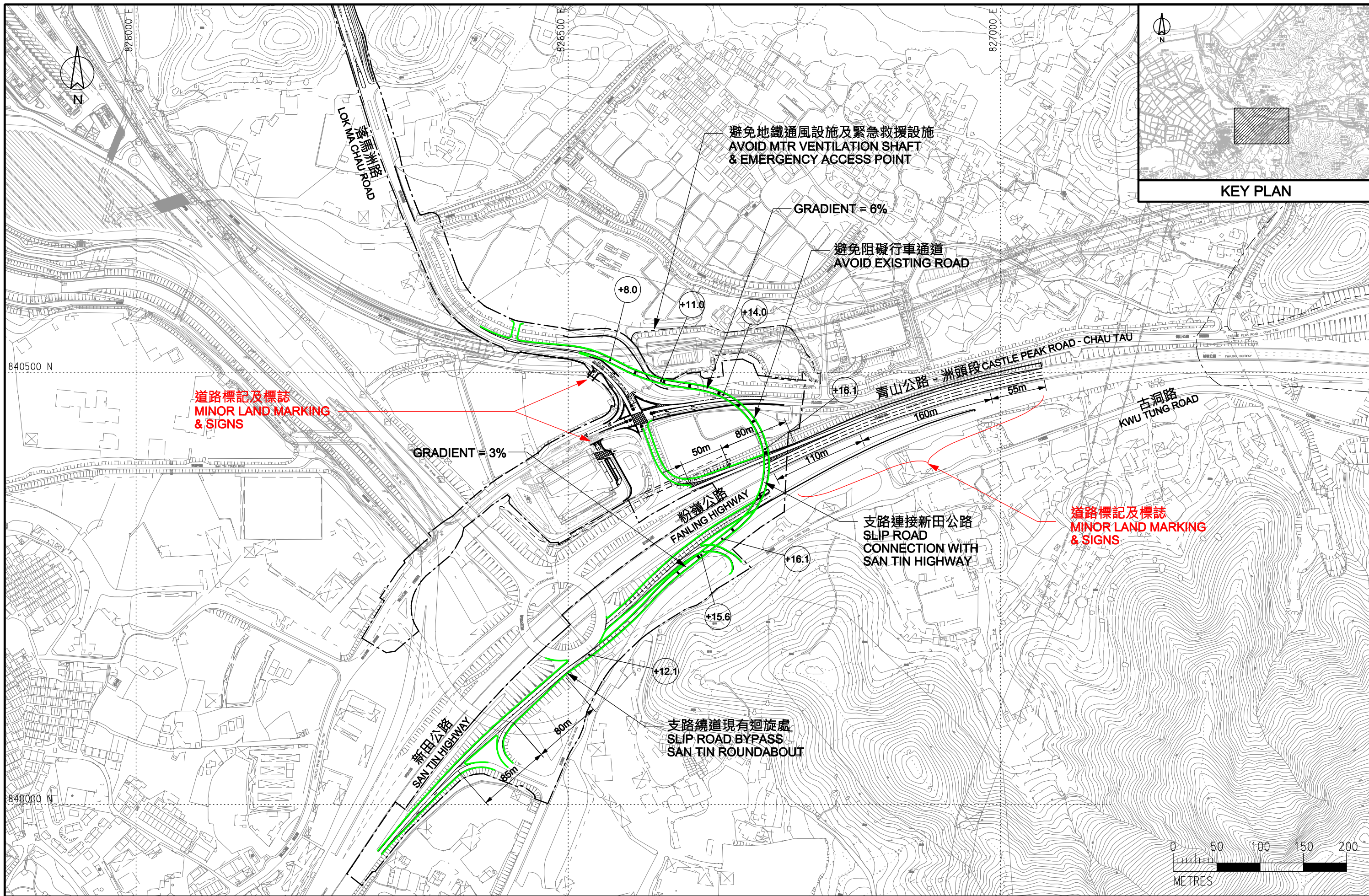


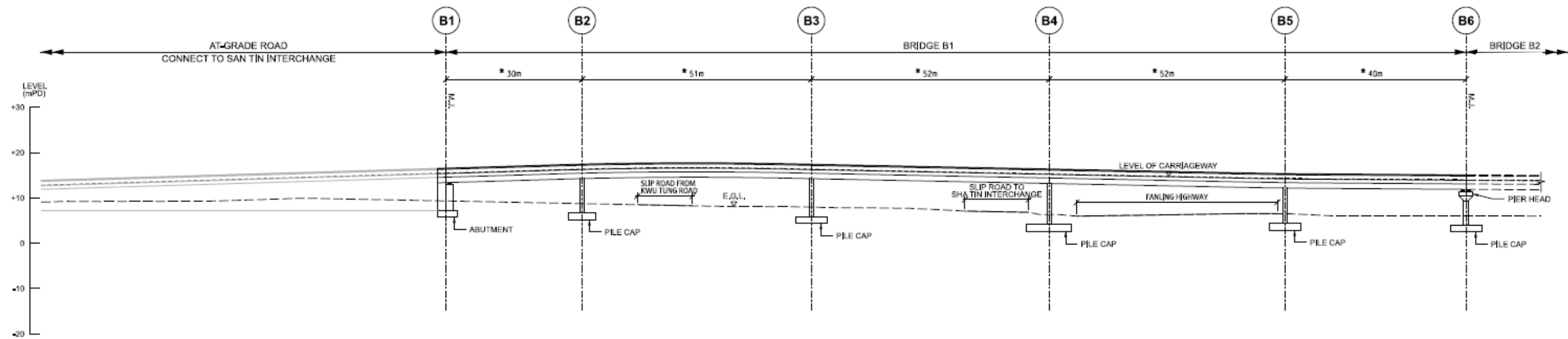
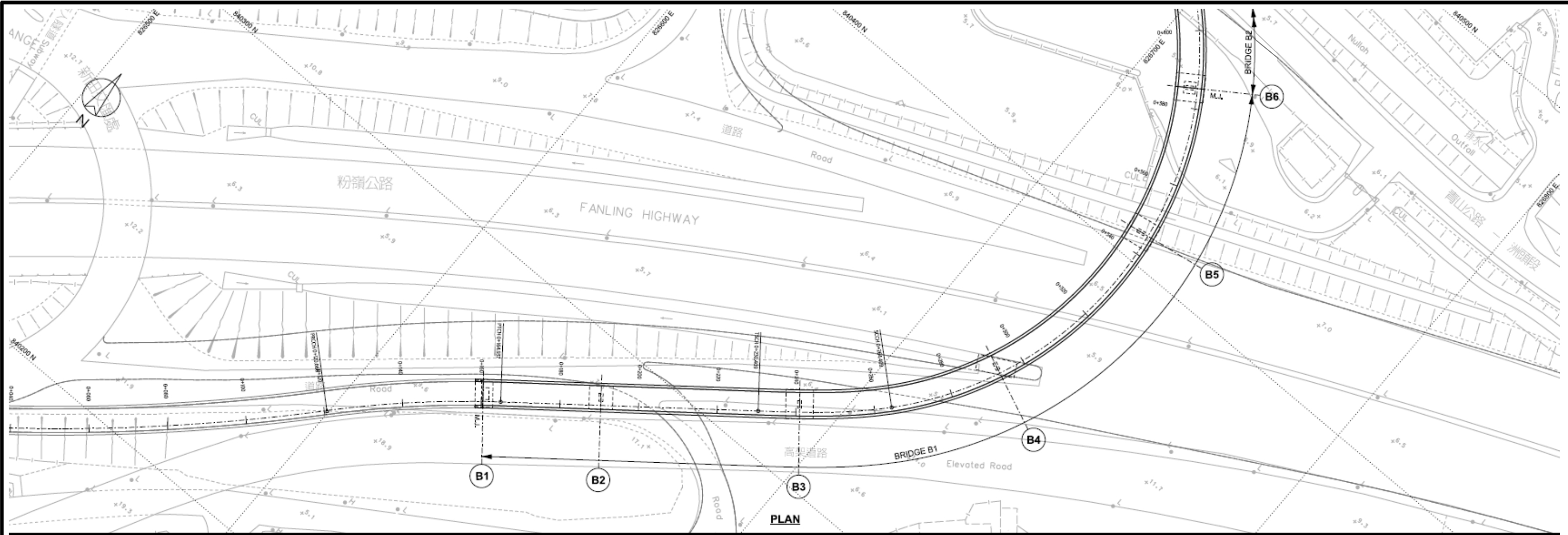
深圳
Shenzhen

PING HANG

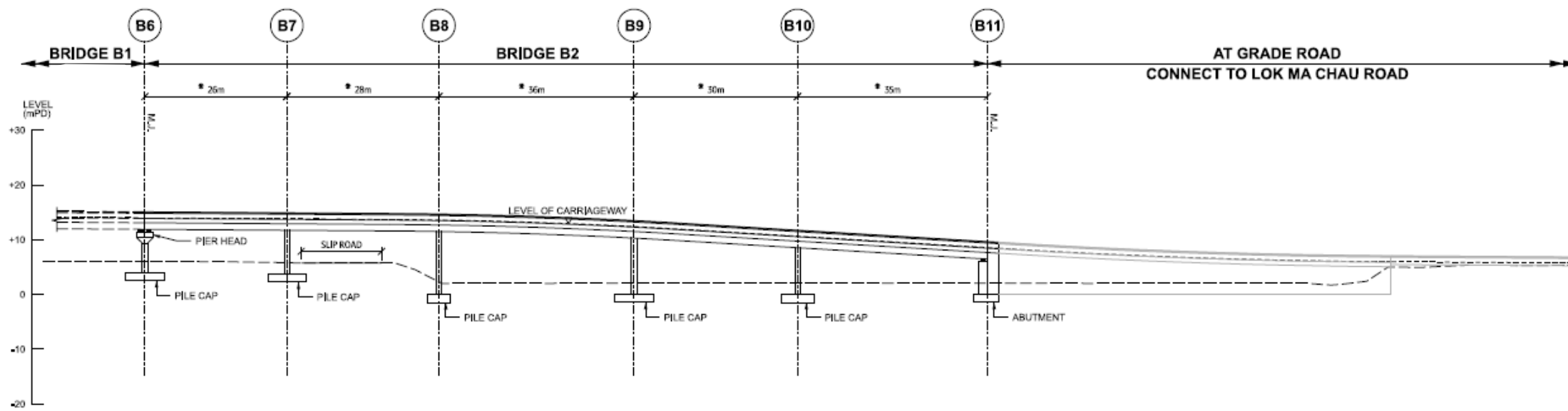
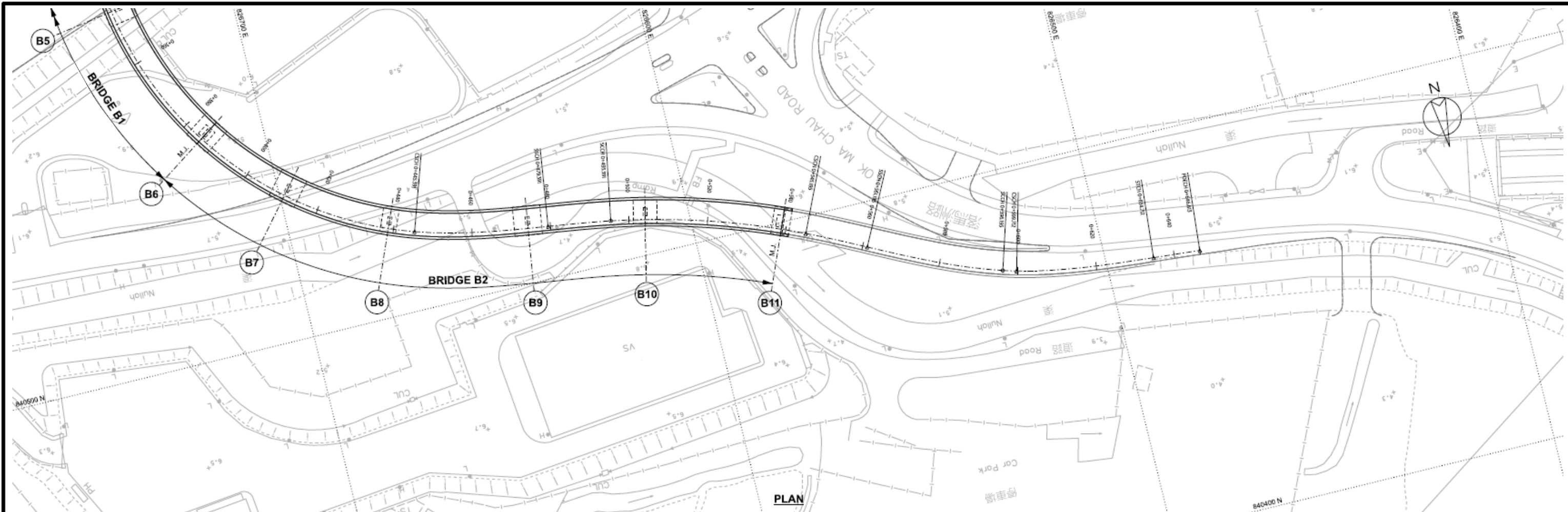
TAI LAW HAU

LOK MA CHAU



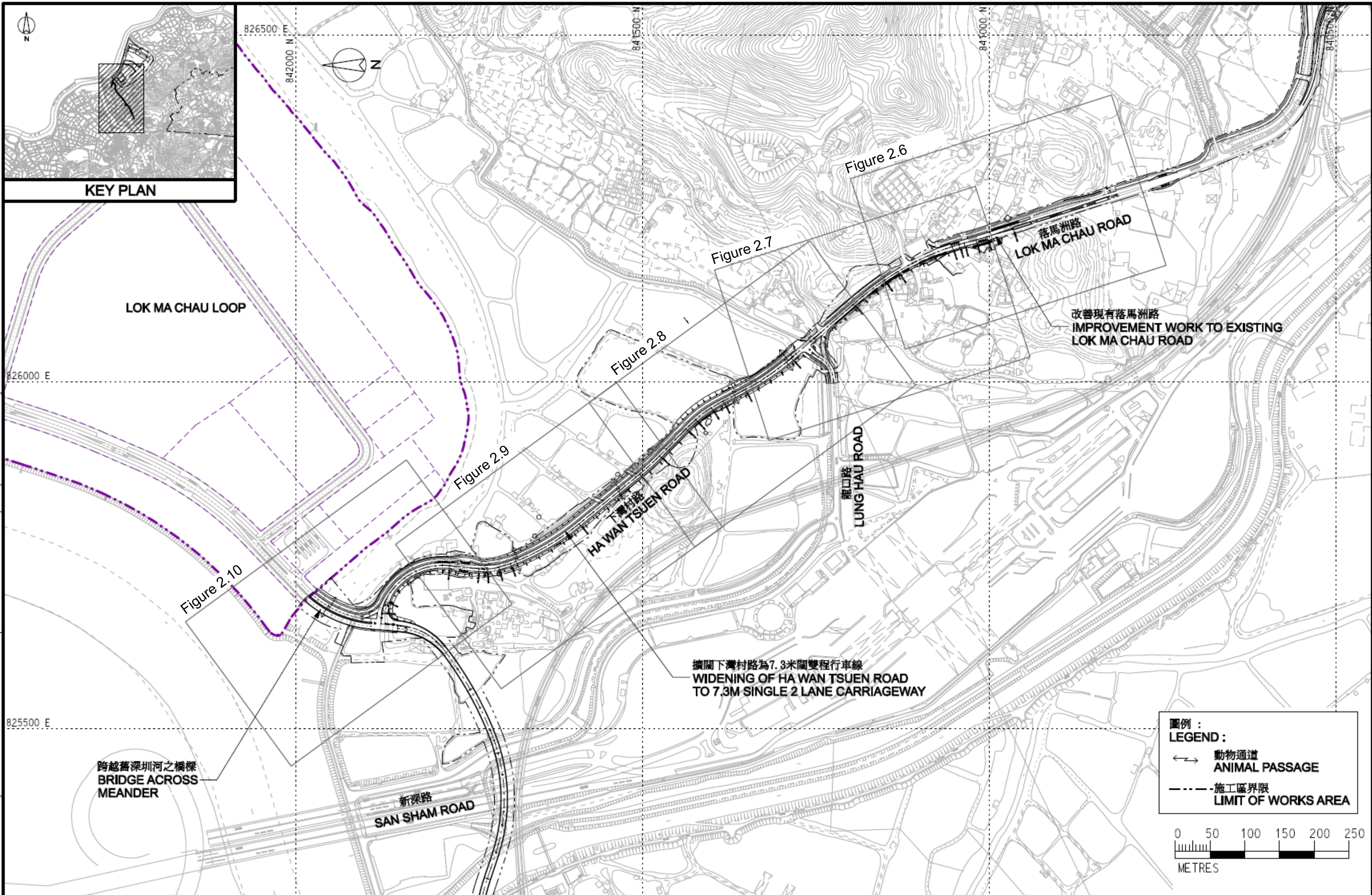


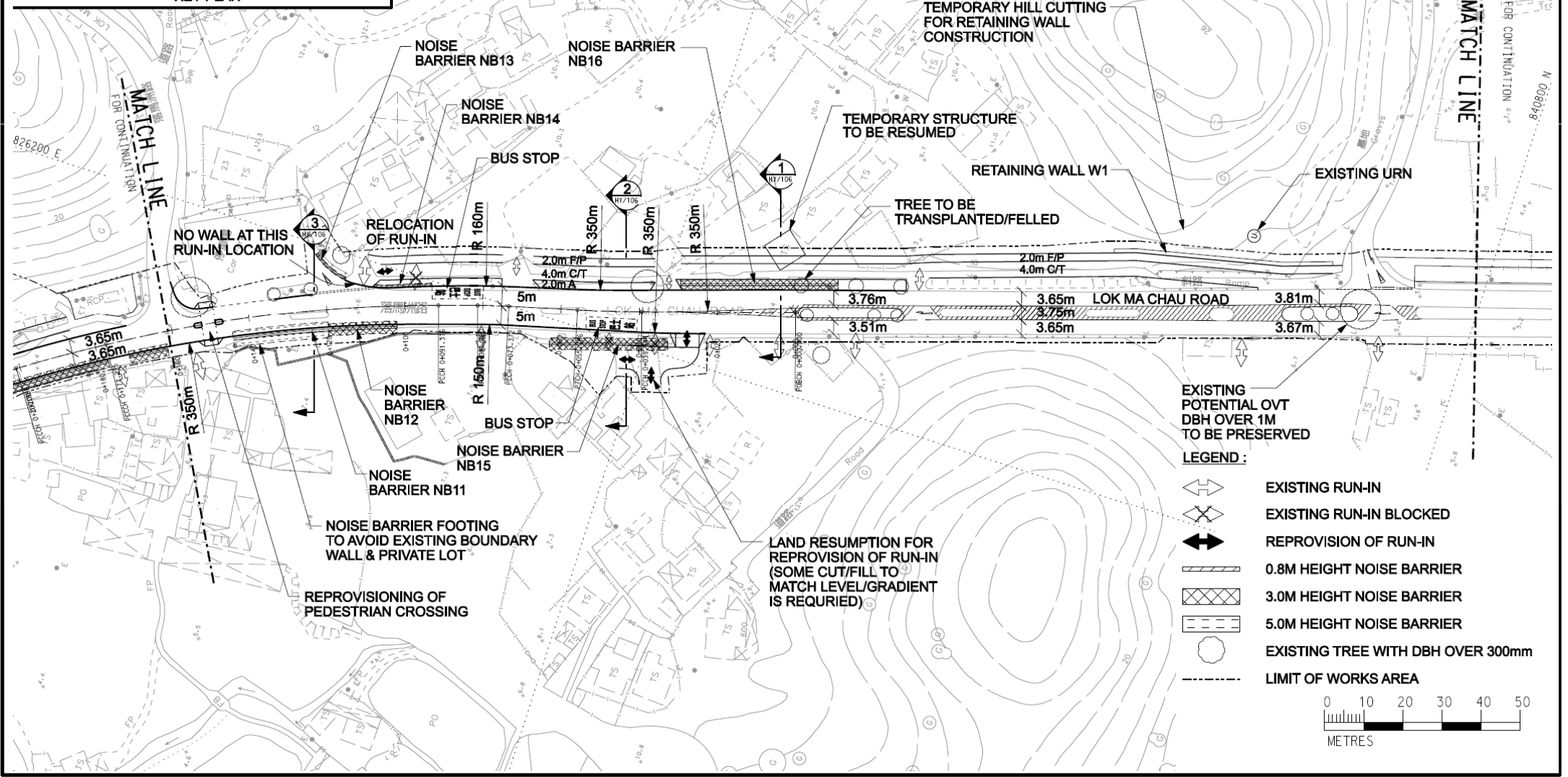
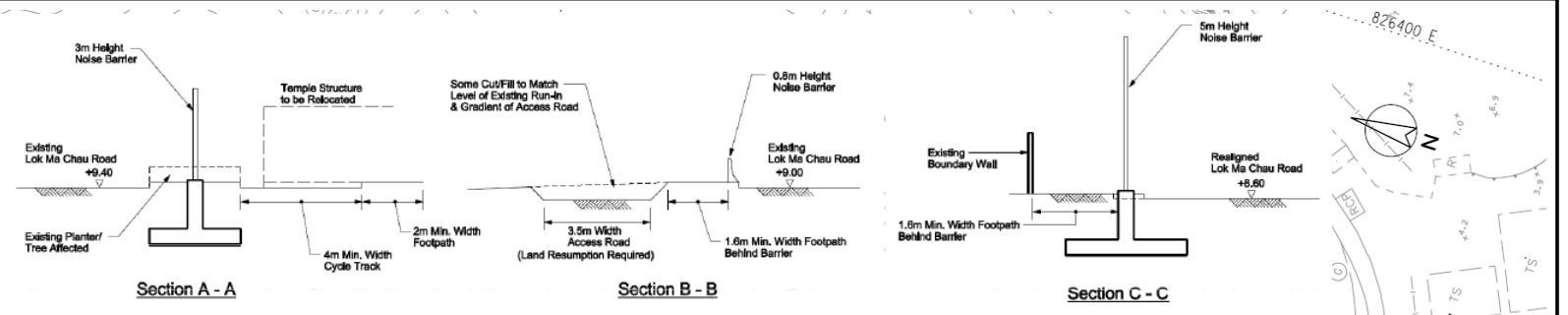
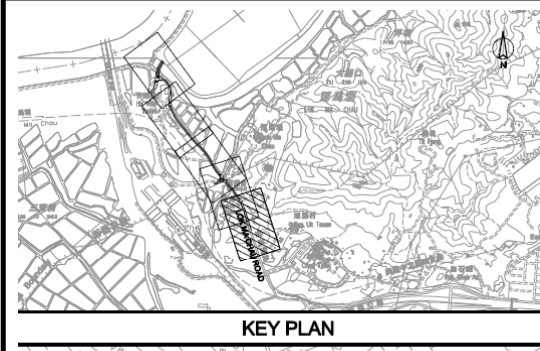
ELEVATION
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 (DIMENSION MARK THUS * ARE APPROXIMATED SPAN LENGTH ALONG BRIDGE S4 ALIGNMENT)

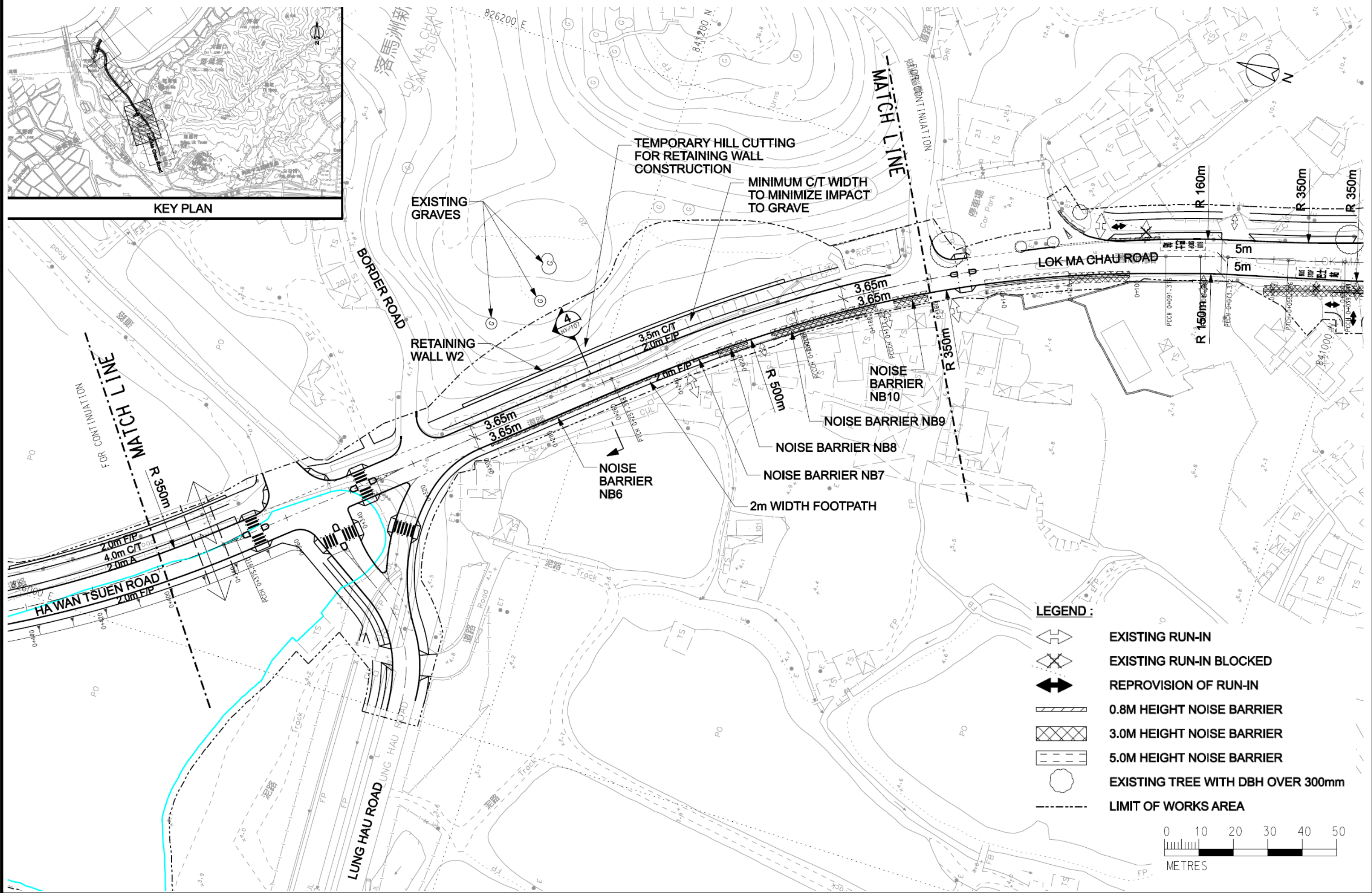


ELEVATION

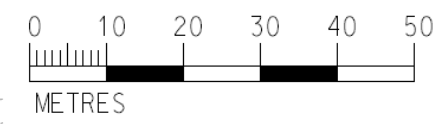
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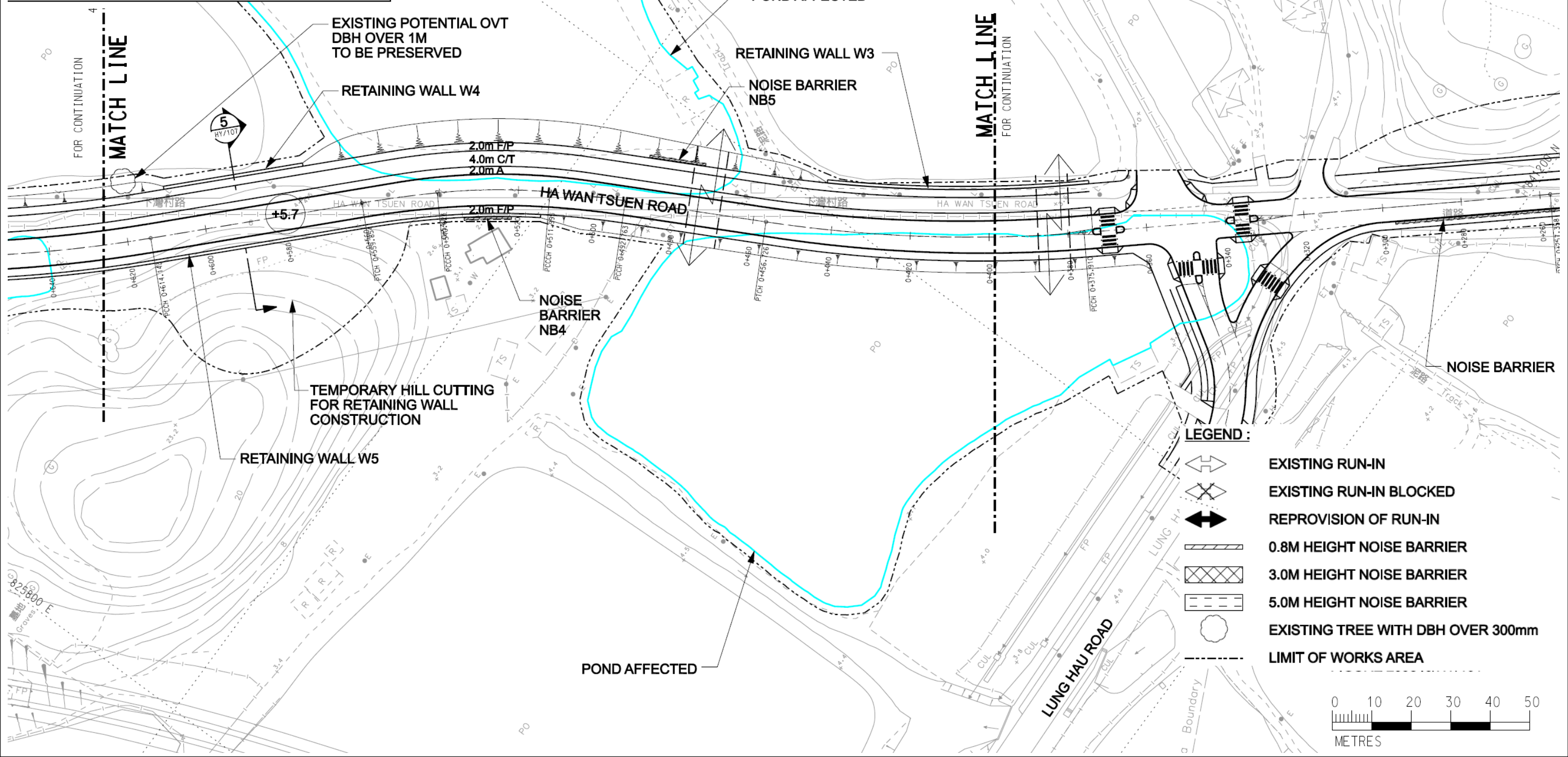
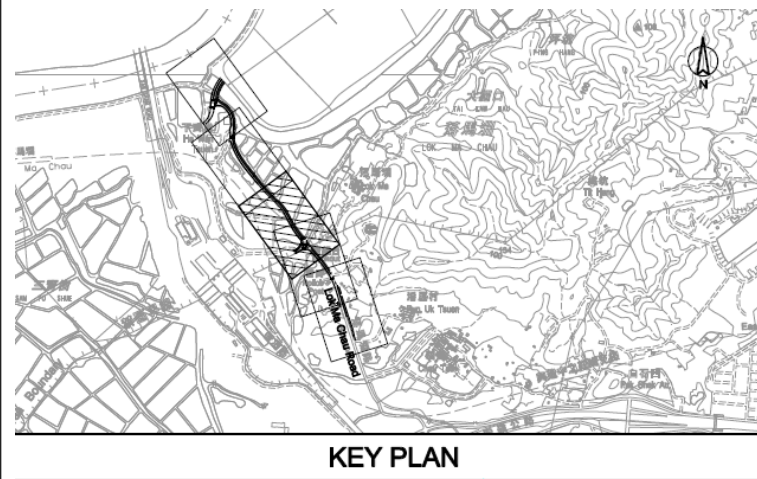


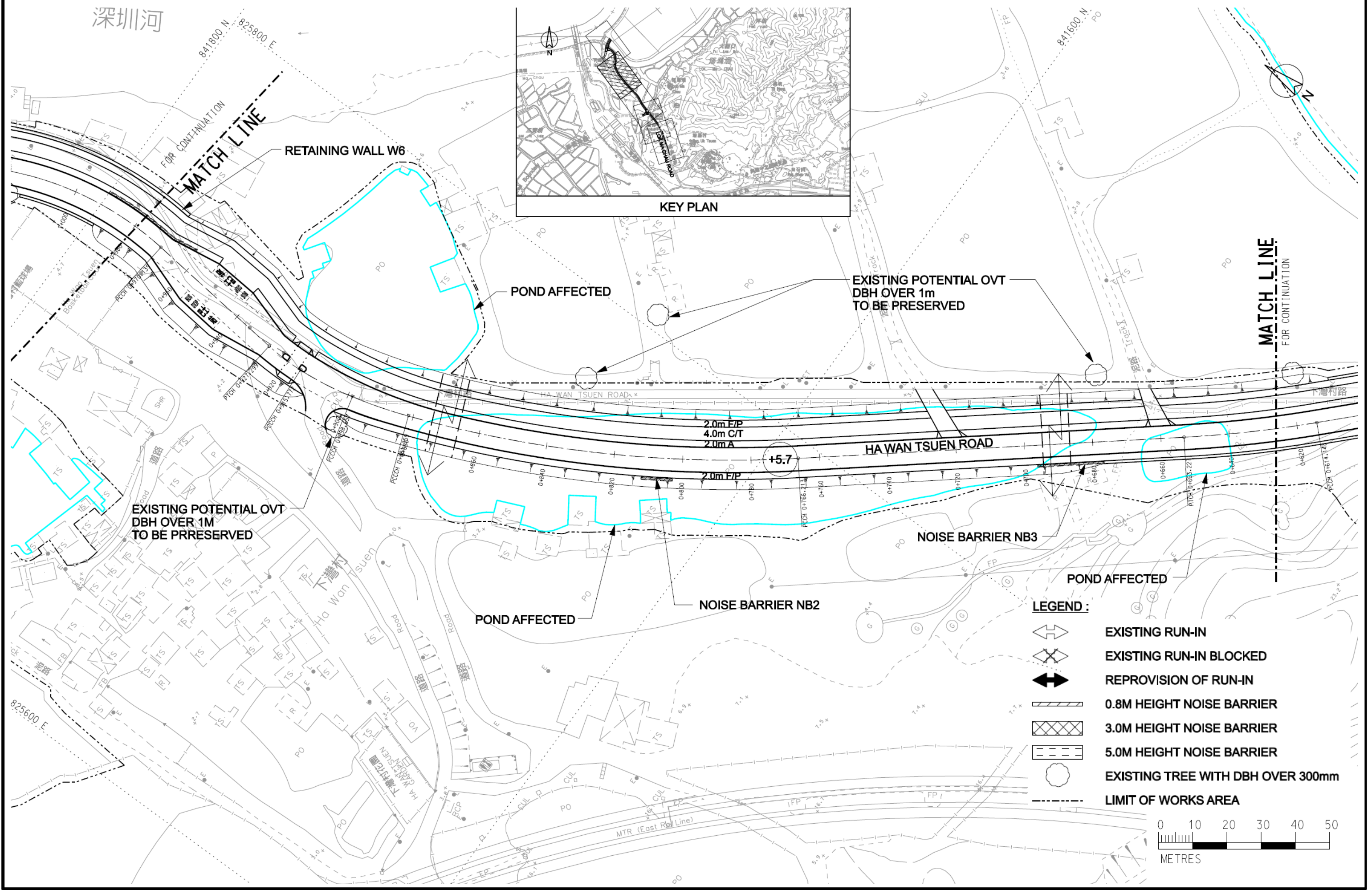


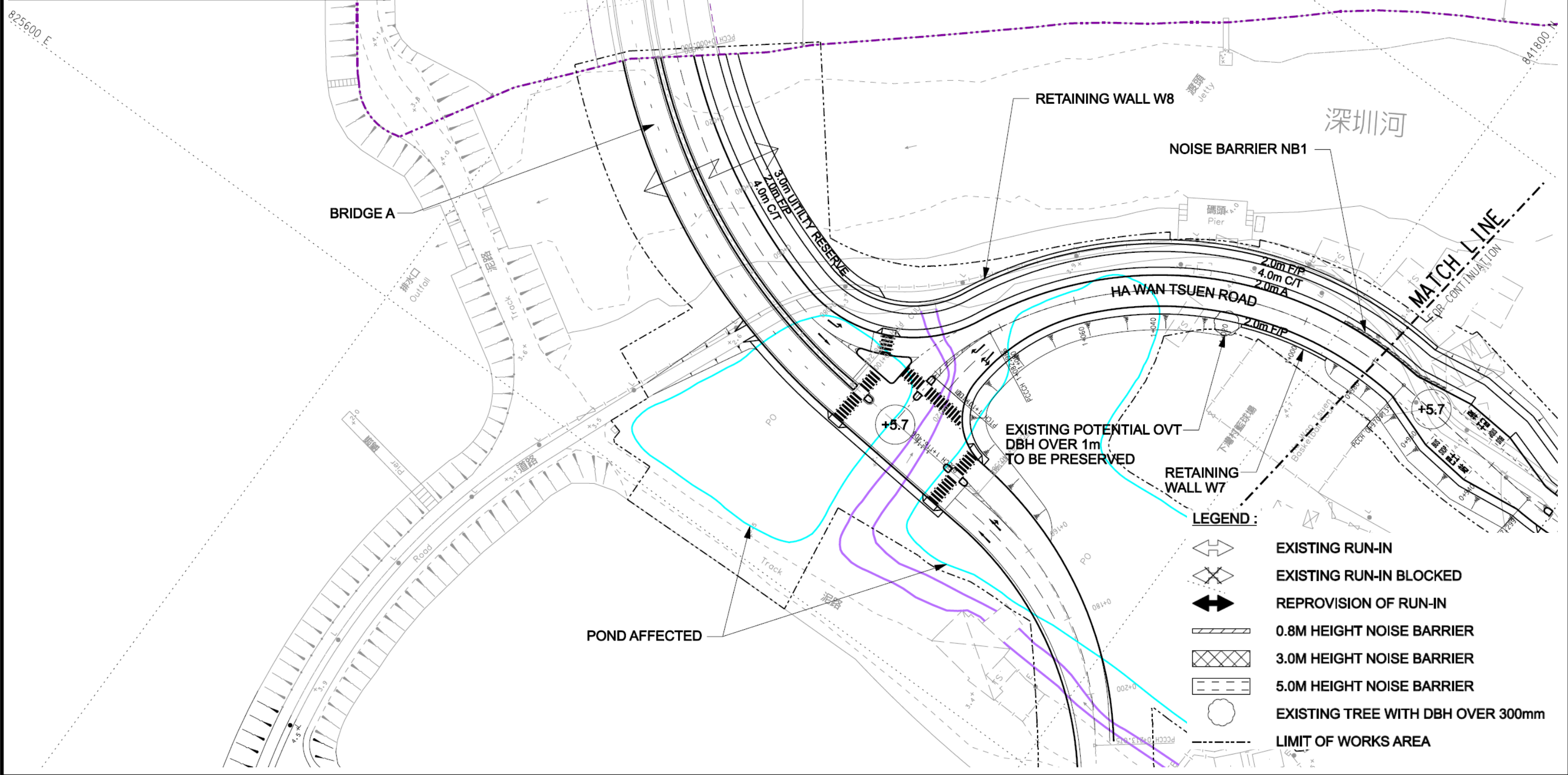
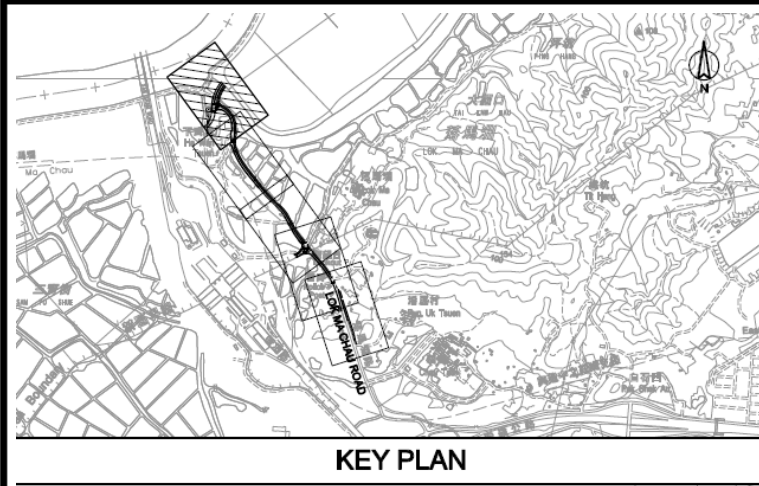


- LEGEND:**
- EXISTING RUN-IN
 - EXISTING RUN-IN BLOCKED
 - REPROVISION OF RUN-IN
 - 0.8M HEIGHT NOISE BARRIER
 - 3.0M HEIGHT NOISE BARRIER
 - 5.0M HEIGHT NOISE BARRIER
 - EXISTING TREE WITH DBH OVER 300mm
 - LIMIT OF WORKS AREA



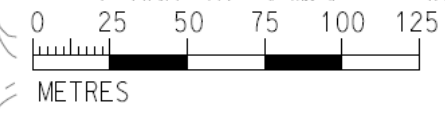
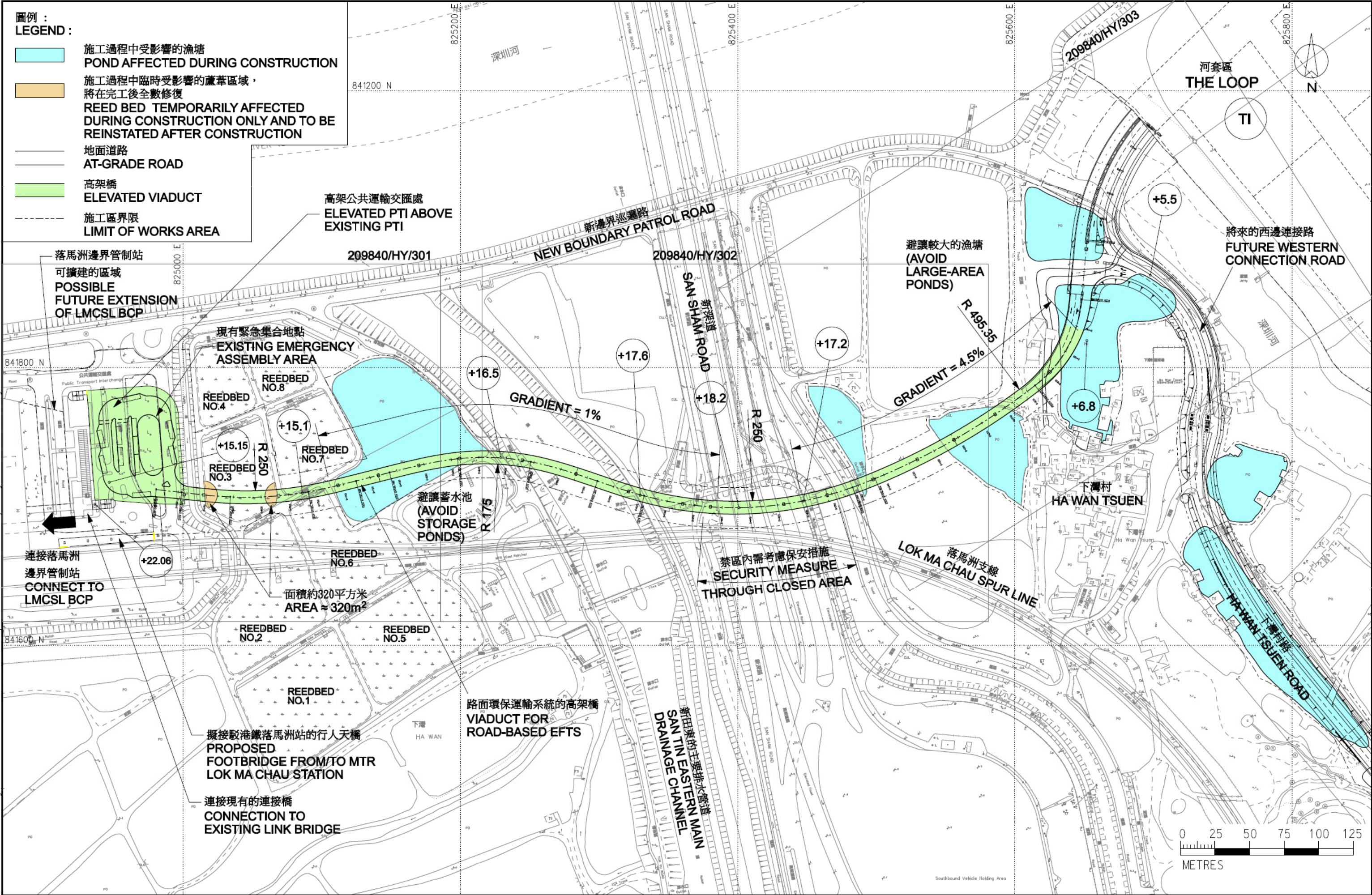


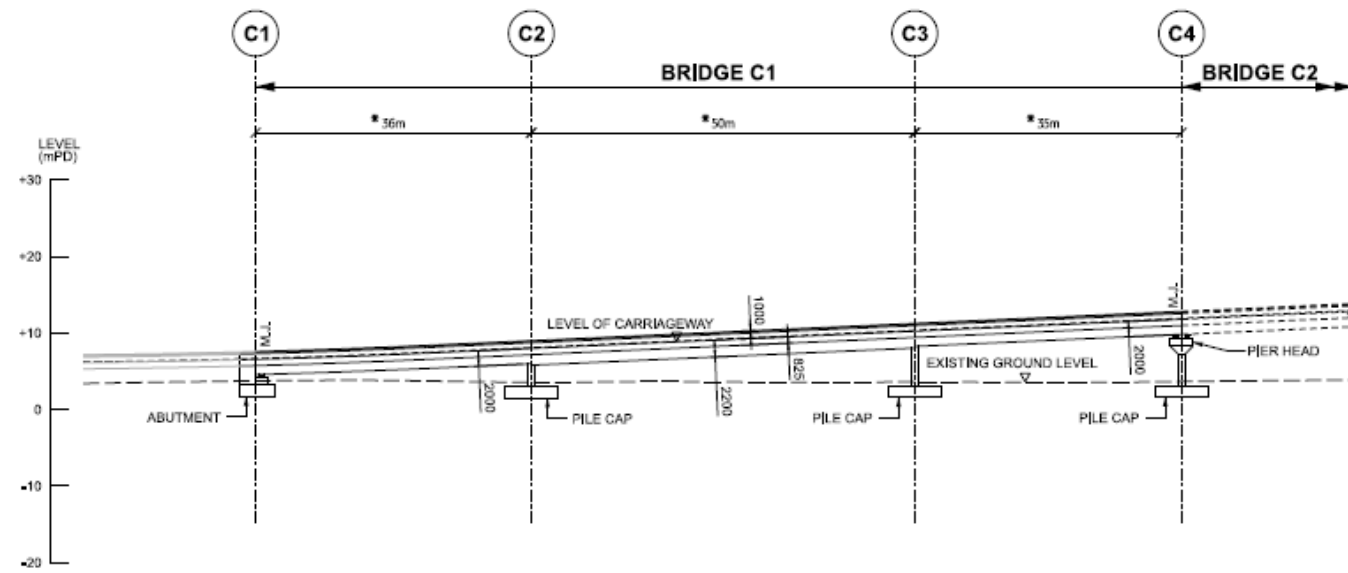
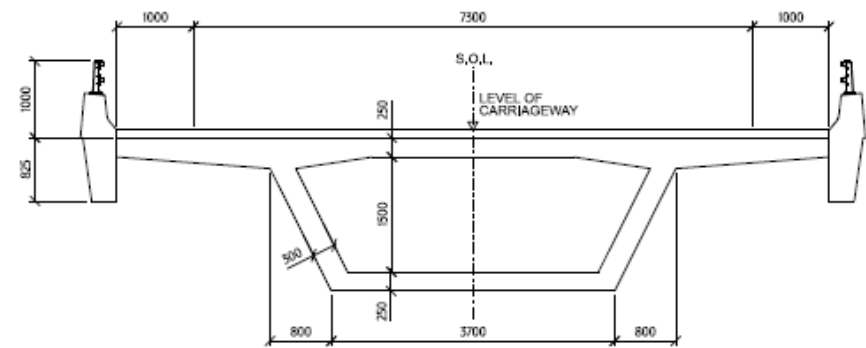
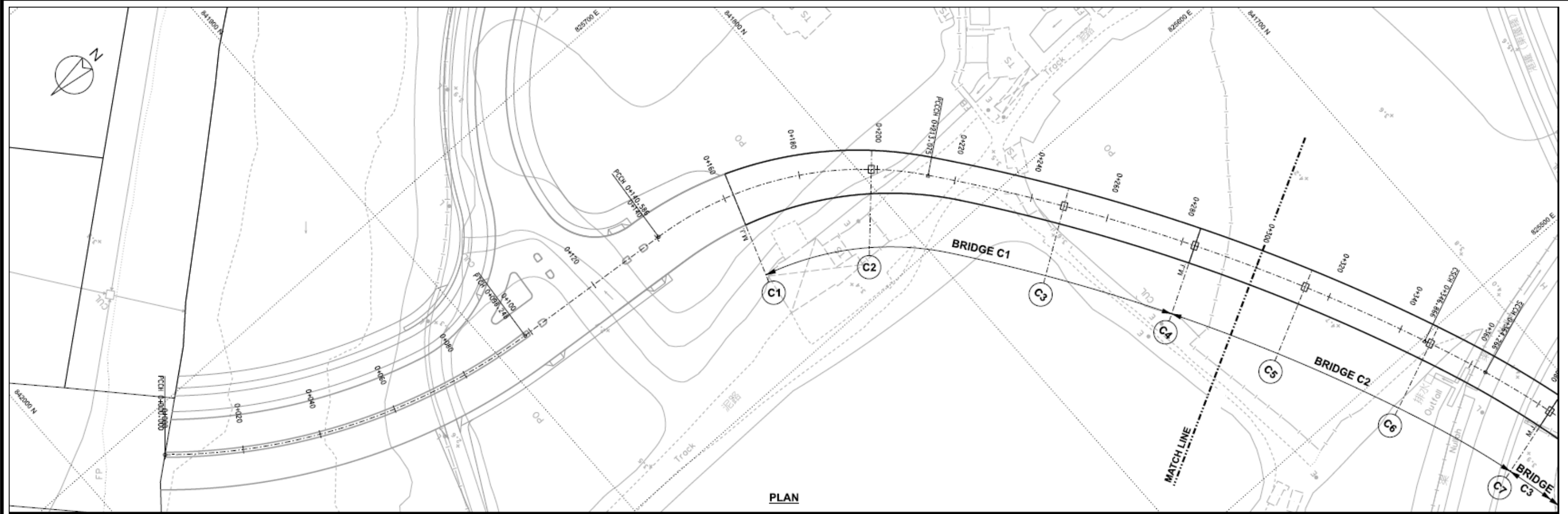


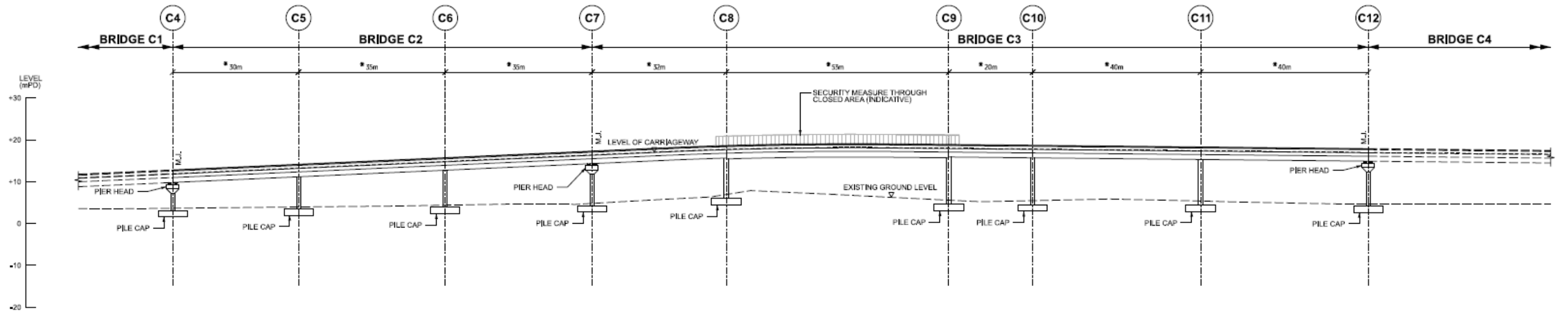
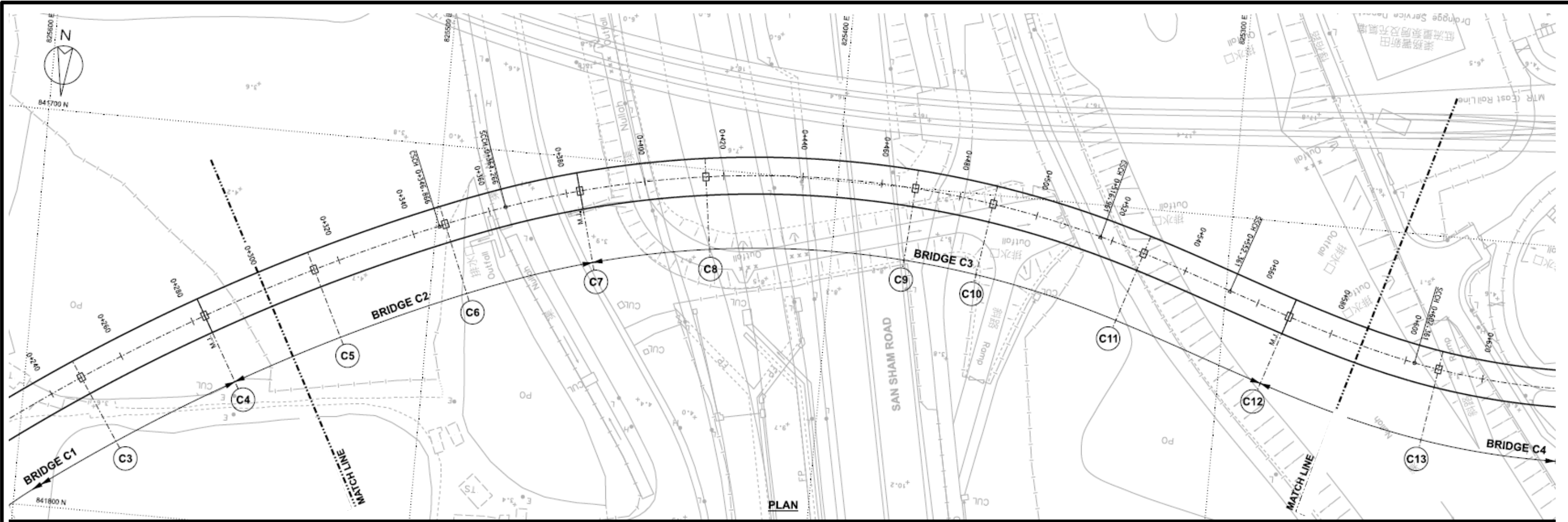


圖例 :
LEGEND :

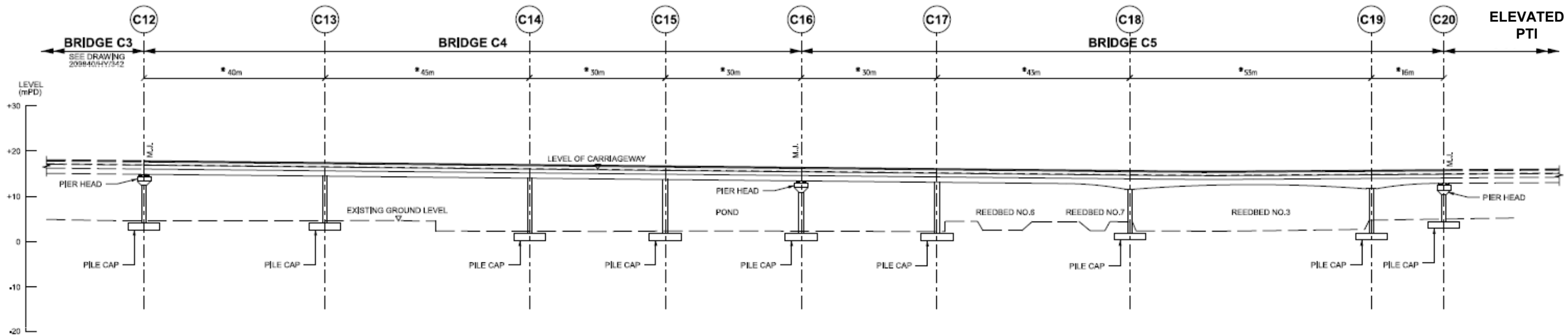
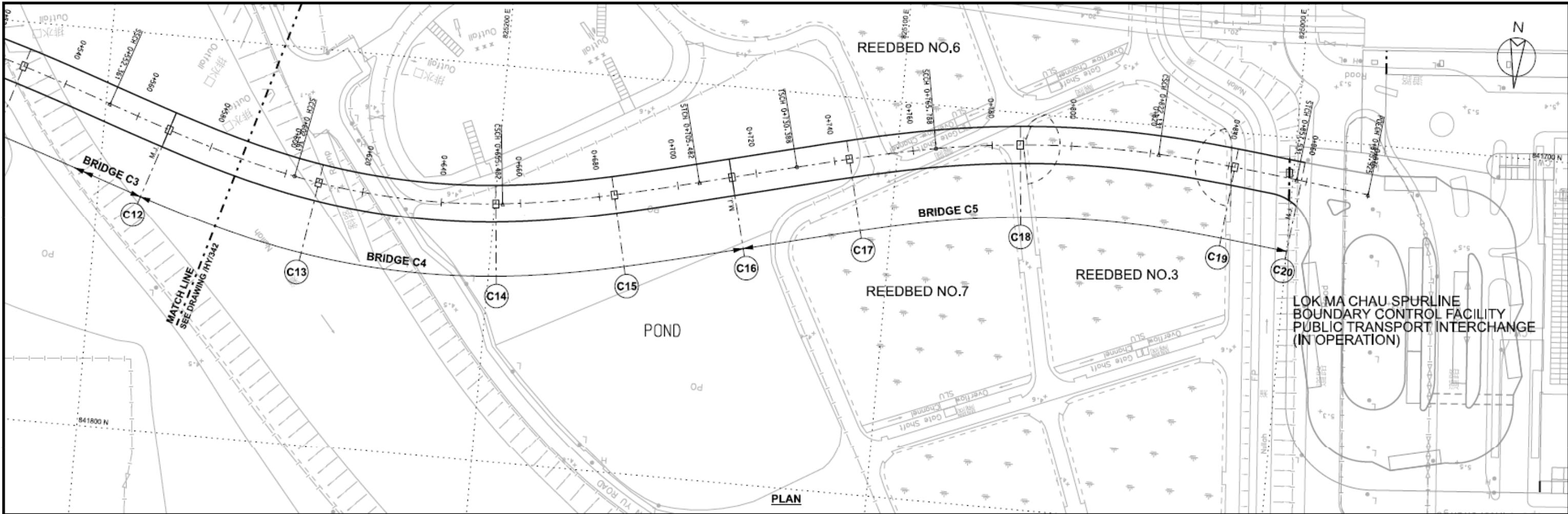
- 施工過程中受影響的魚塘
POND AFFECTED DURING CONSTRUCTION
- 施工過程中臨時受影響的蘆葦區域，
將在完工後全數修復
REED BED TEMPORARILY AFFECTED
DURING CONSTRUCTION ONLY AND TO BE
REINSTATED AFTER CONSTRUCTION
- 地面道路
AT-GRADE ROAD
- 高架橋
ELEVATED VIADUCT
- 施工區界限
LIMIT OF WORKS AREA



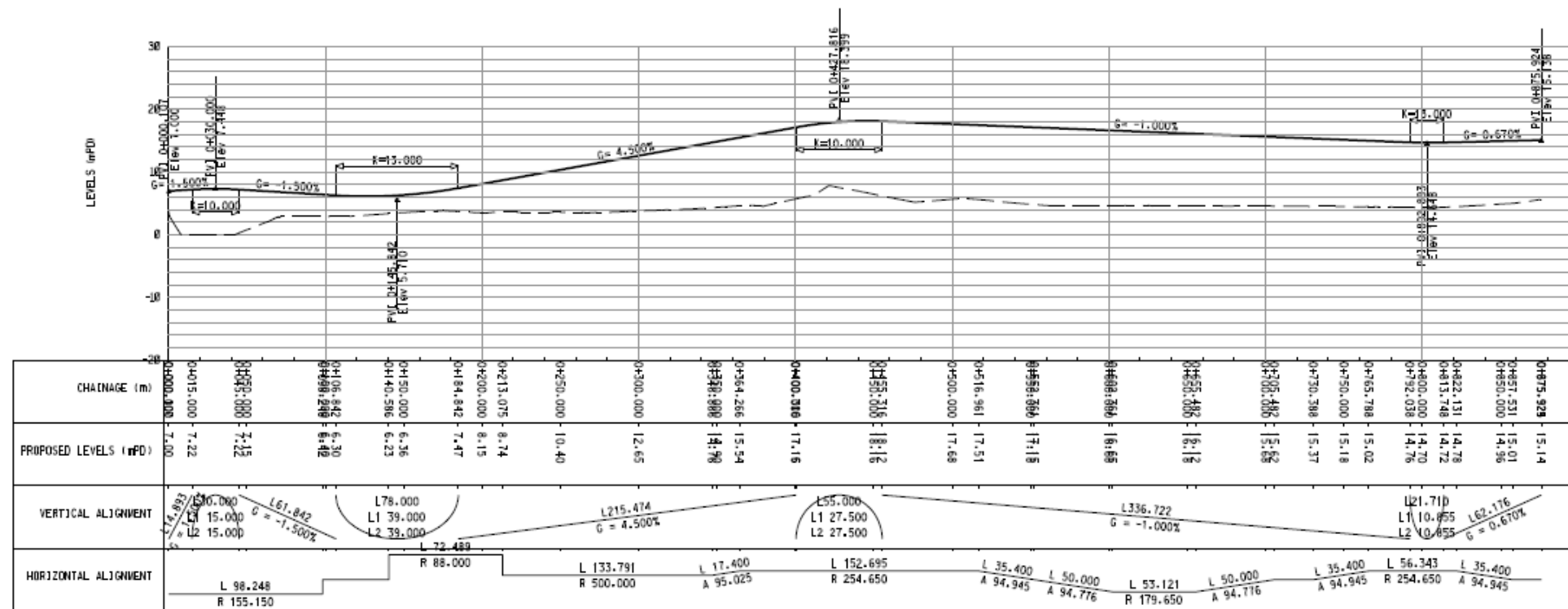




ELEVATION
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 (DIMENSION MARK THUS * ARE APPROXIMATED SPAN LENGTH ALONG BRIDGE S4 ALIGNMENT)

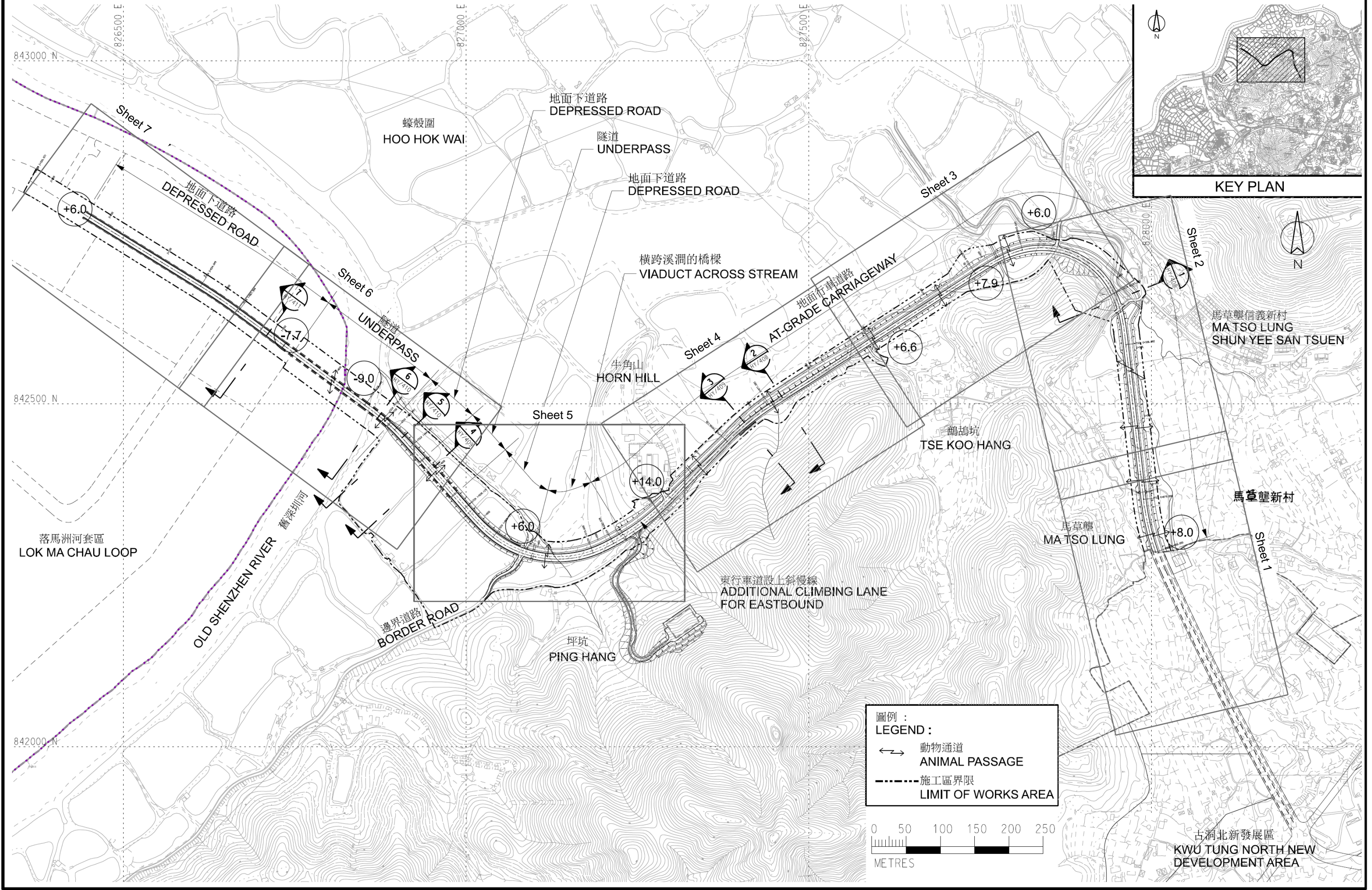


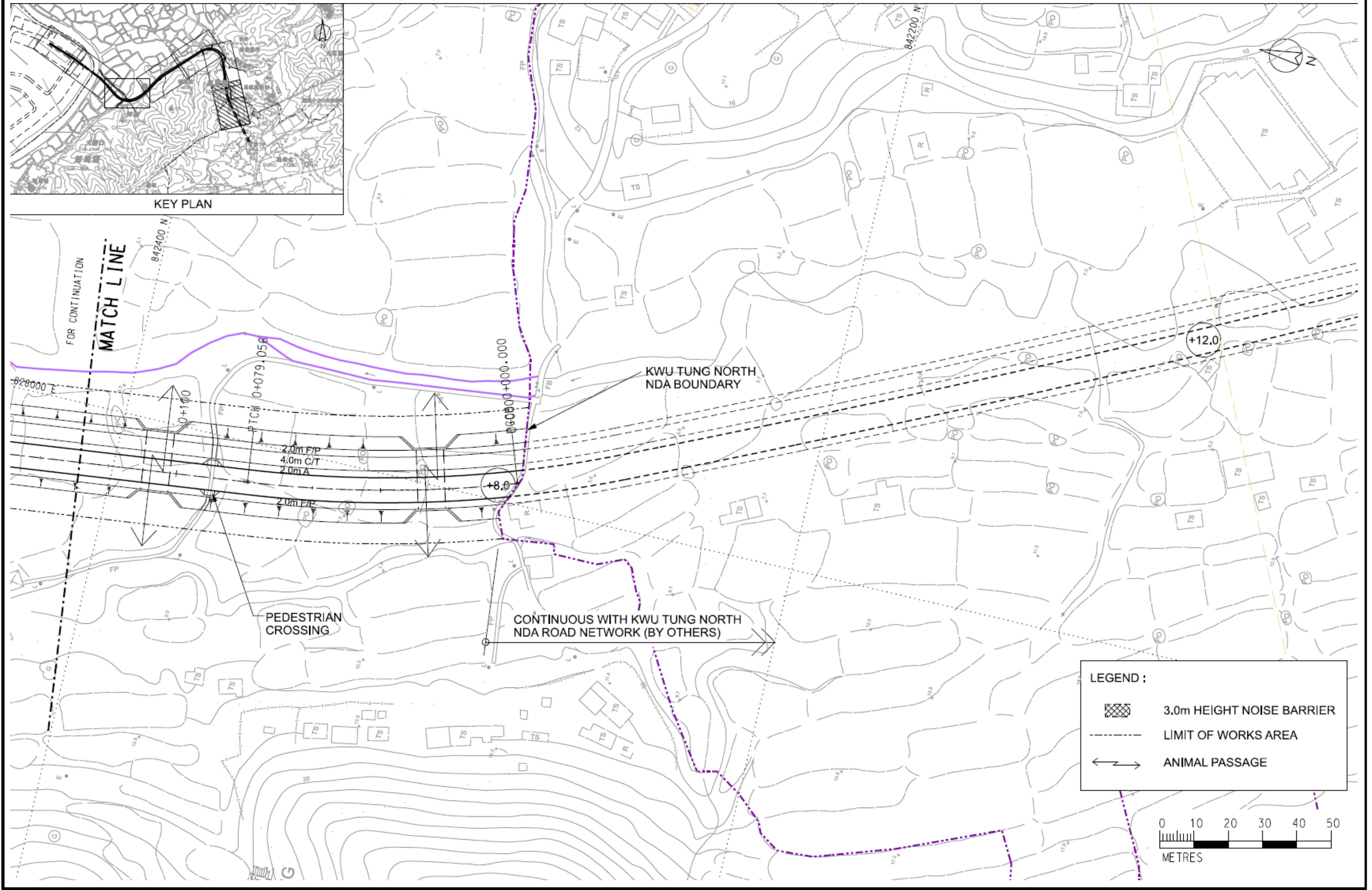
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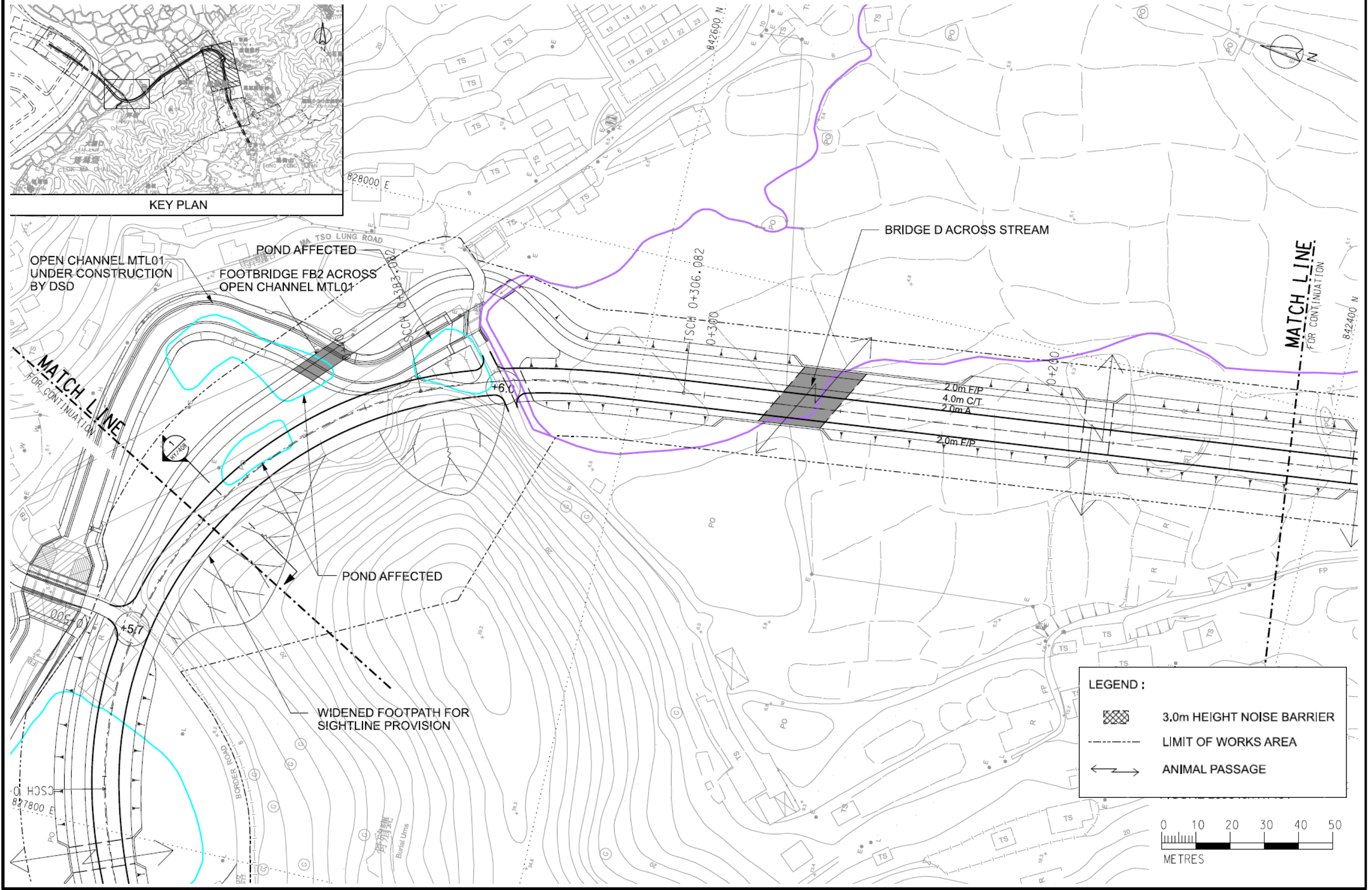


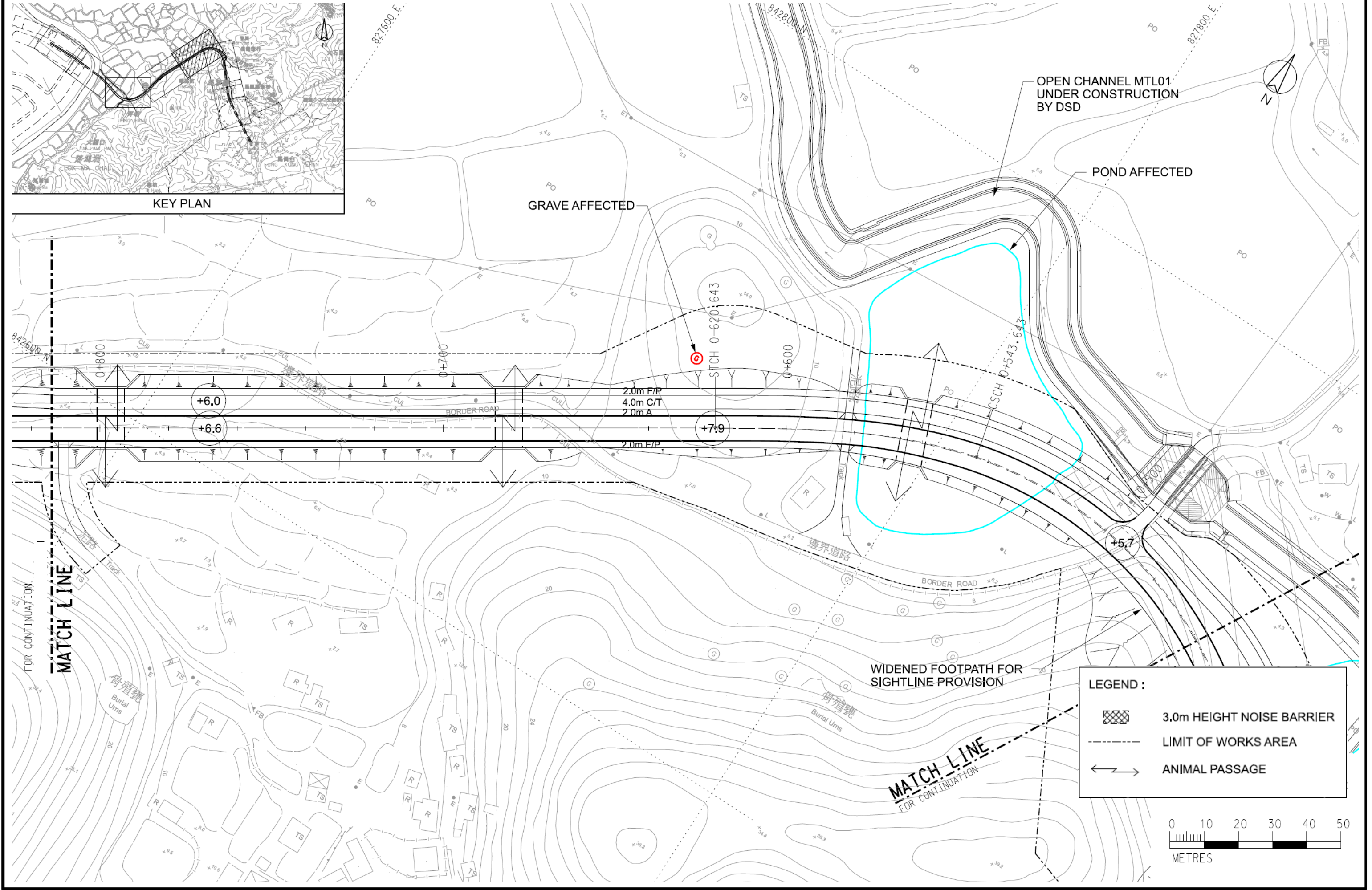
**HORIZONTAL AND VERTICAL ALIGNMENTS OF
DIRECT LINK TO MTR LOK MA CHAU STATION**

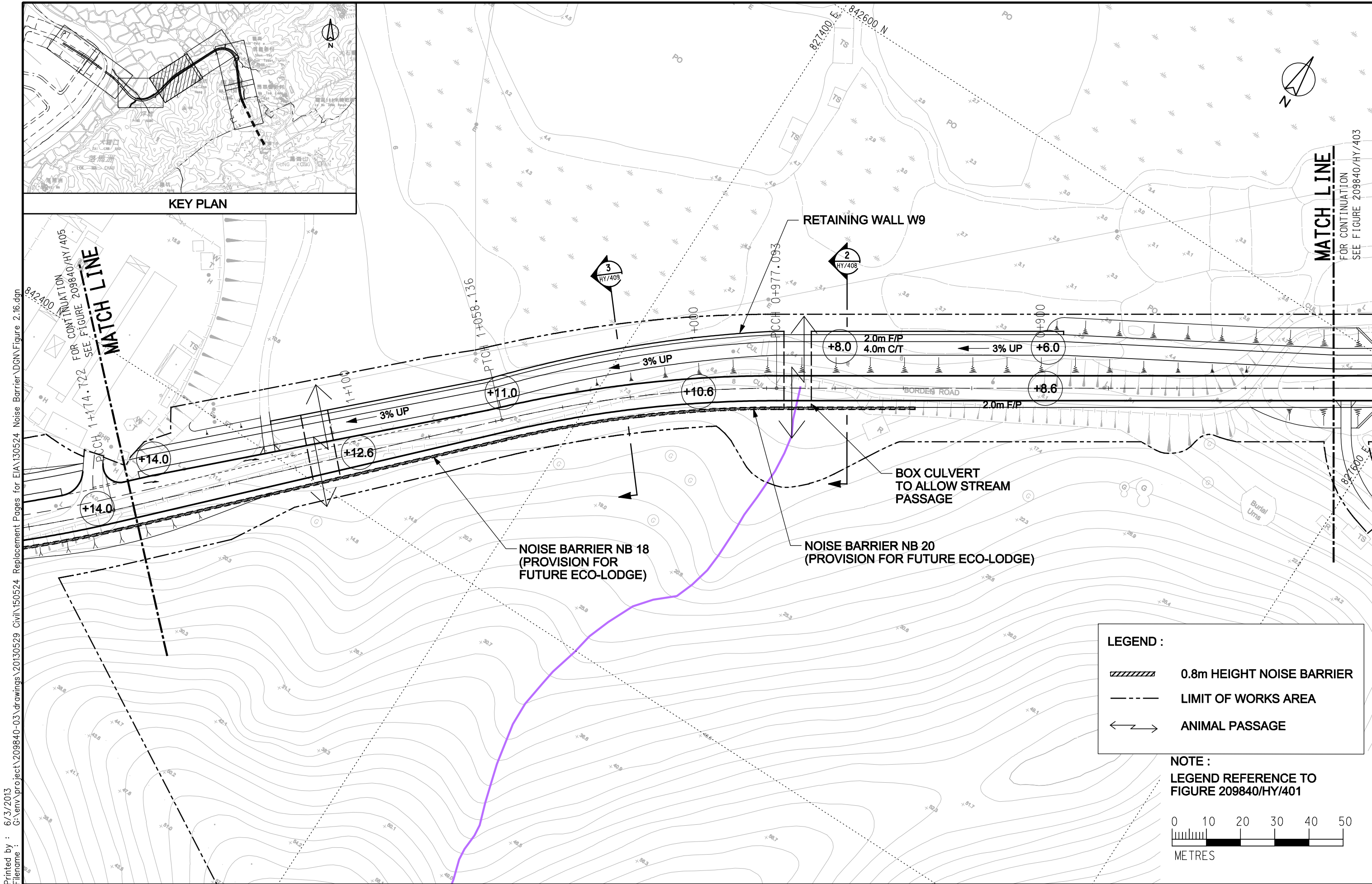
- NOTES :
1. DIMENSIONS AND CHAINAGES ARE IN METRES.
 2. LEVELS ARE IN METRES RELATIVE TO PRINCIPAL DATUM (P.D.).
 3. VERTICAL CONTROL ALIGNMENTS ARE COINCIDENT IN PLAN WITH HORIZONTAL CONTROL ALIGNMENTS.
 4. HORIZONTAL TRANSITION CURVES ARE CLOTHOID SPIRALS. VERTICAL CURVES ARE PARABOLAS.
 5. 20m LONG SMOOTHING VERTICAL CURVE TO BE APPLIED ALONG THE INNER AND/OR OUTER KERBS / EDGES OF CARRIAGEWAY AT ALL CHANGES OF SUPERELEVATION. IF L IS LESS THAN 20m, THEN L METRE TO BE USED.
-
6. ORIGINAL GROUND LEVELS WHERE SHOWN ARE APPROXIMATE AND FOR INFORMATION ONLY.
 7. AT THE TIE-IN THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE PROPOSED ROAD LEVEL TO TIE IN SMOOTHLY WITH THE ADJACENT ROAD LEVEL TO THE APPROVAL OF THE ENGINEER.

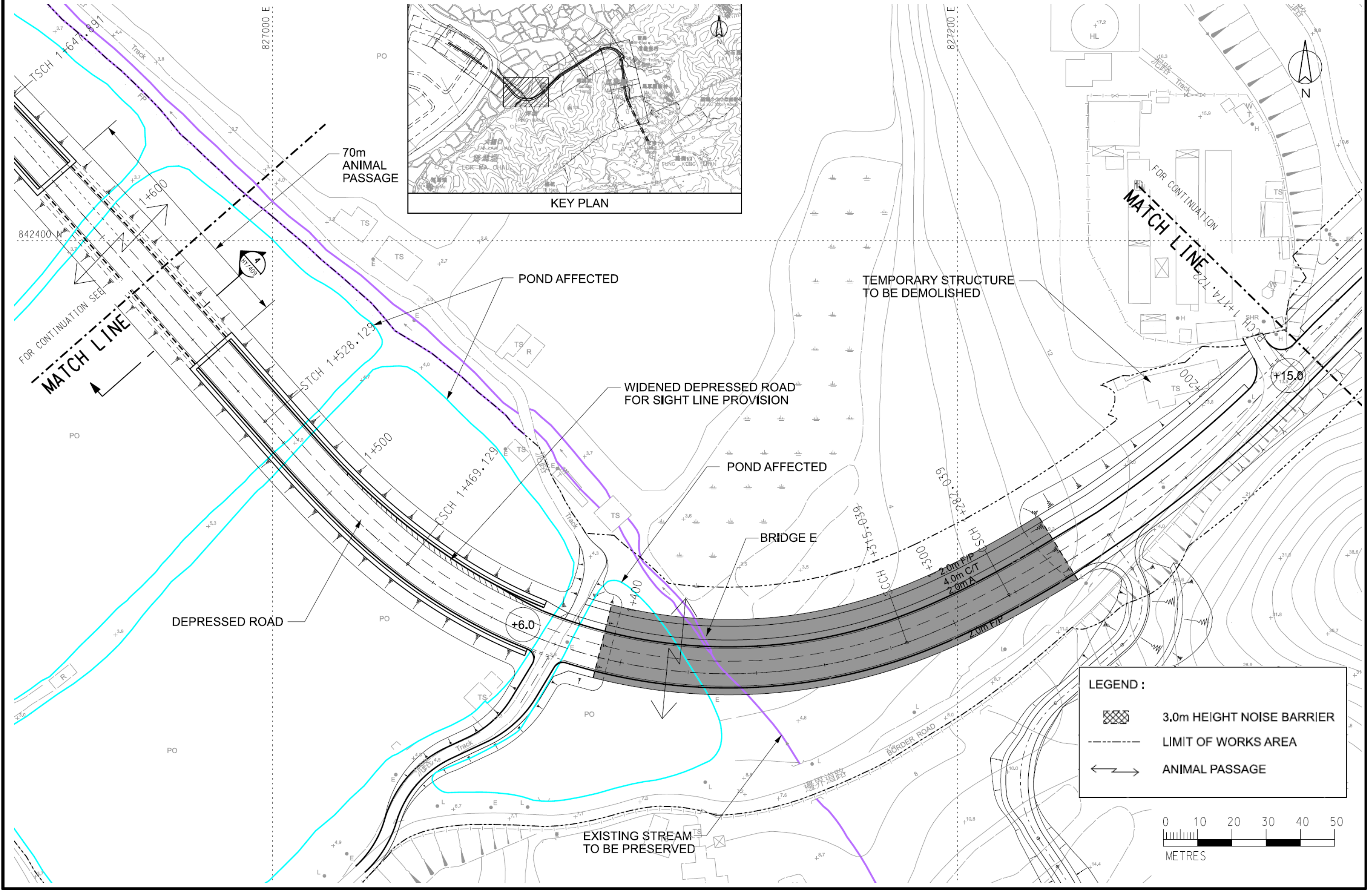


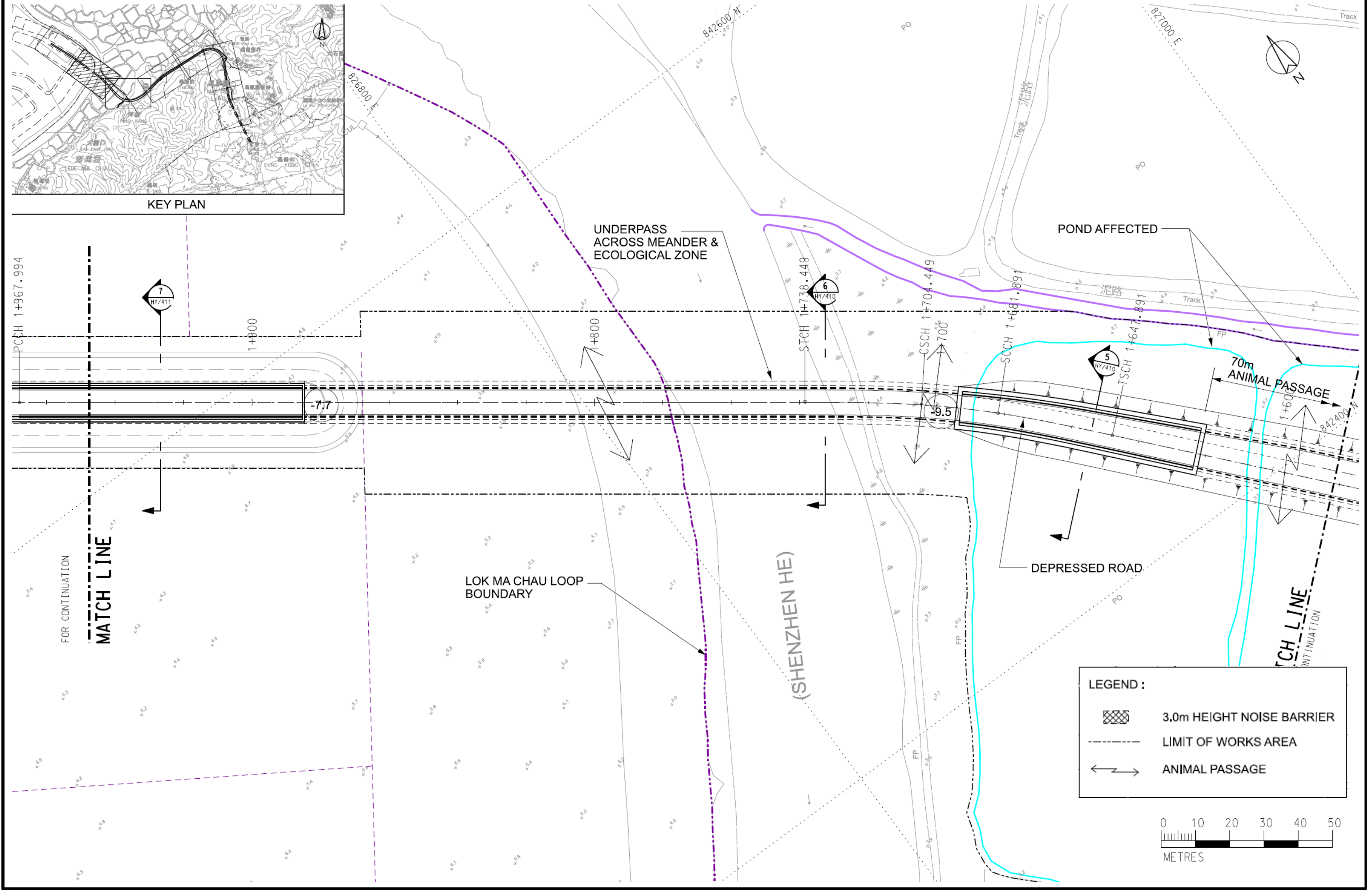


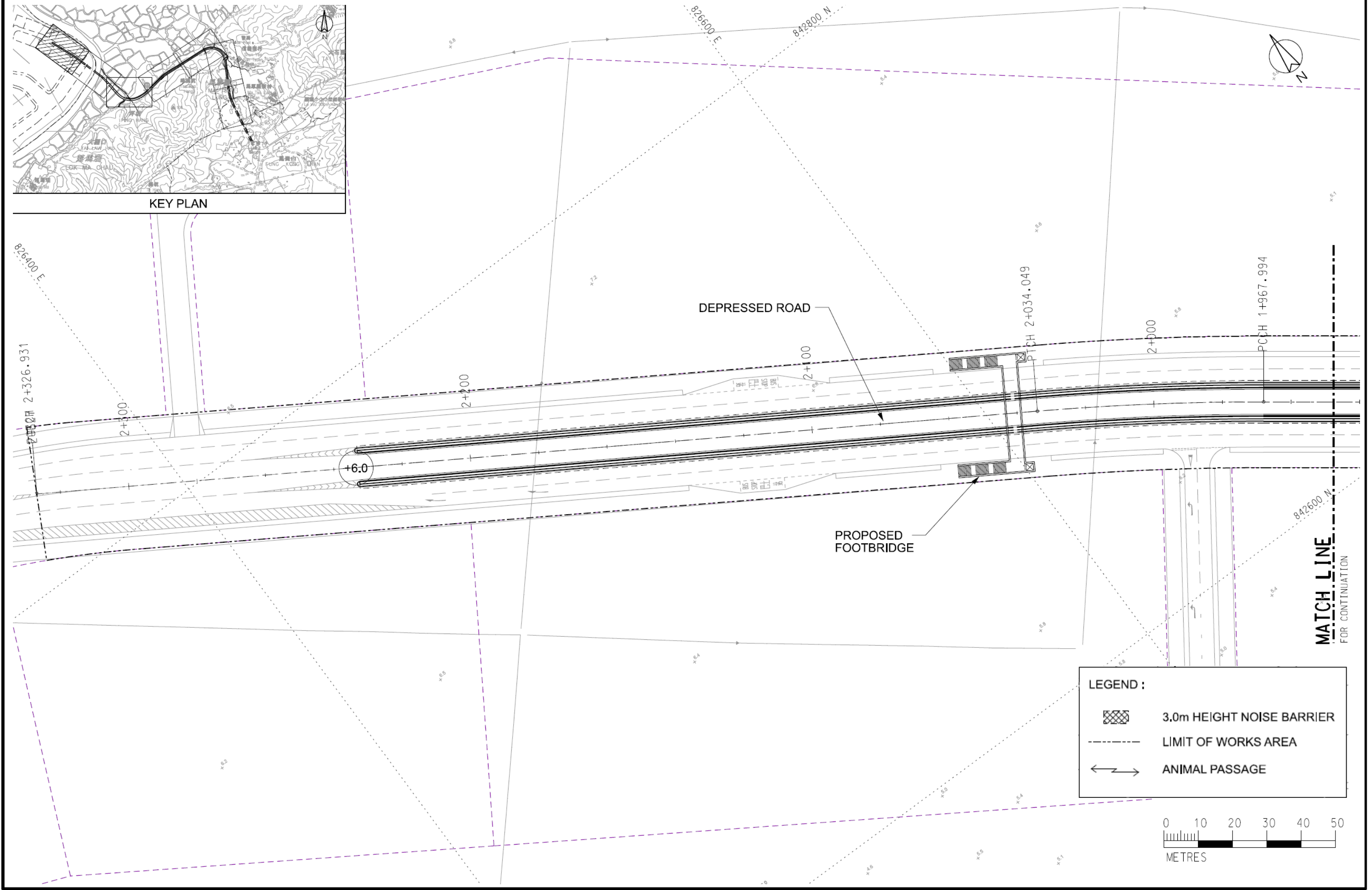


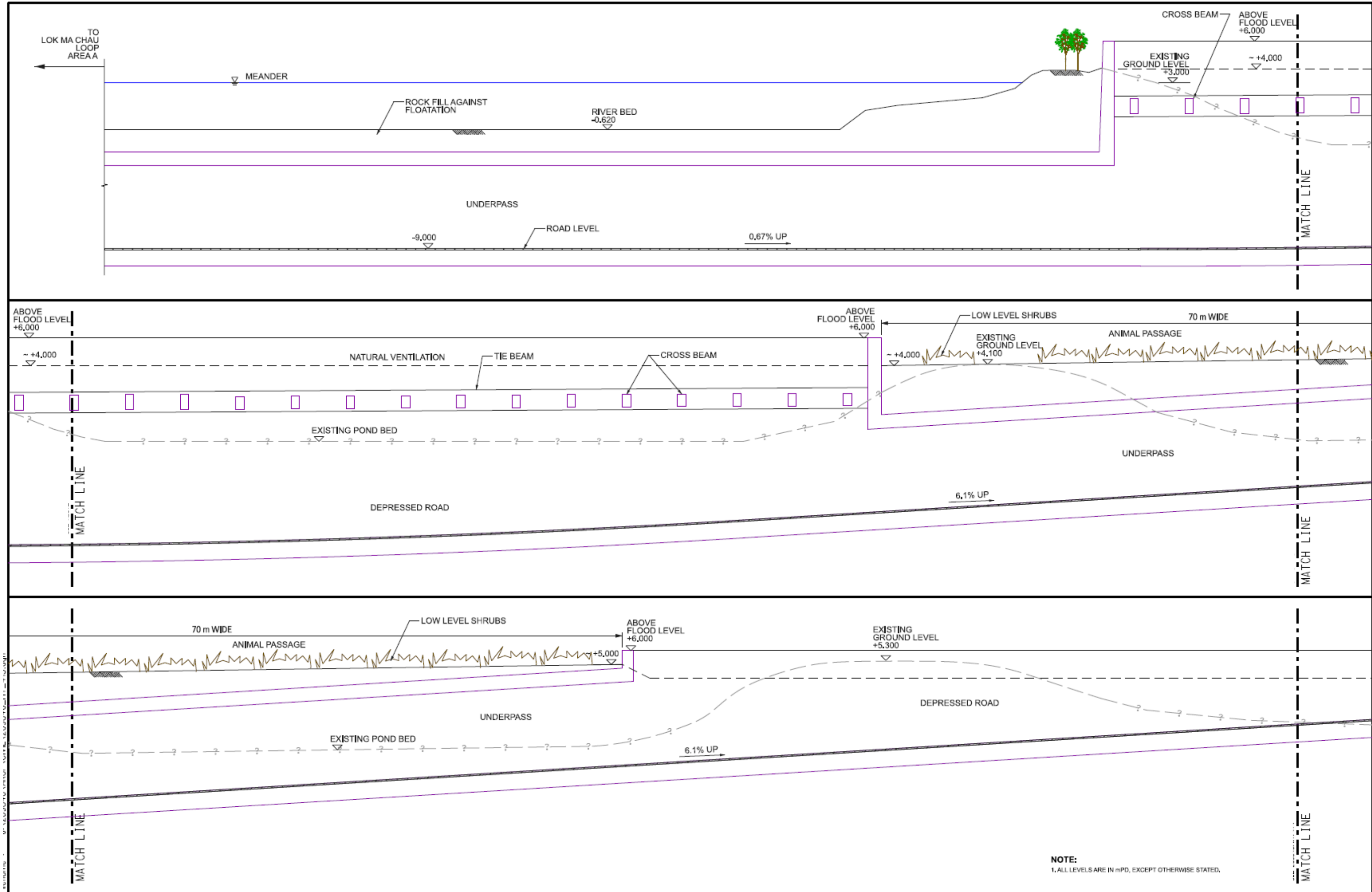


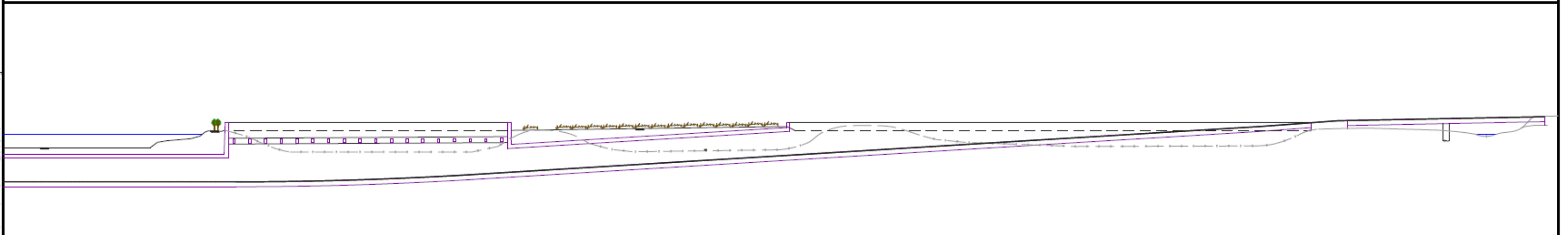
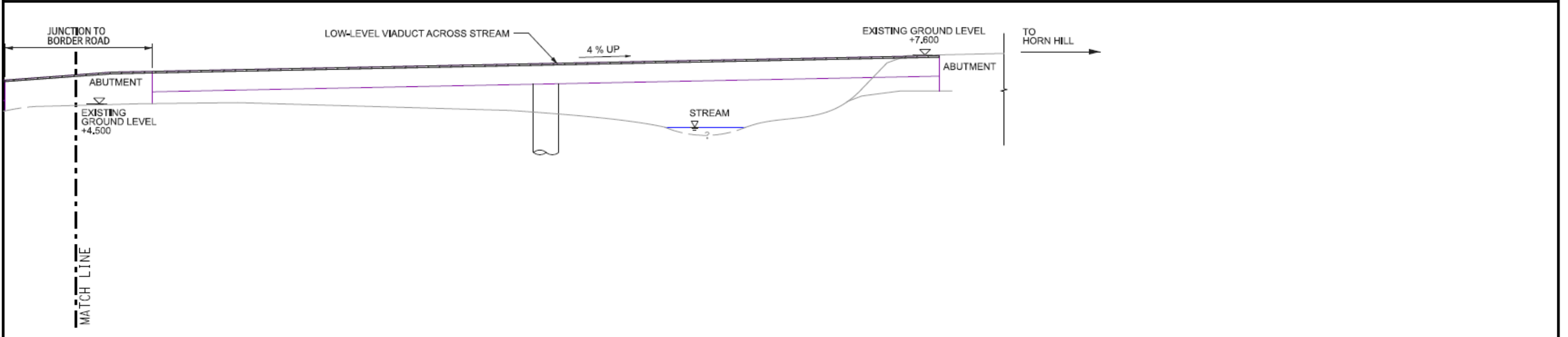
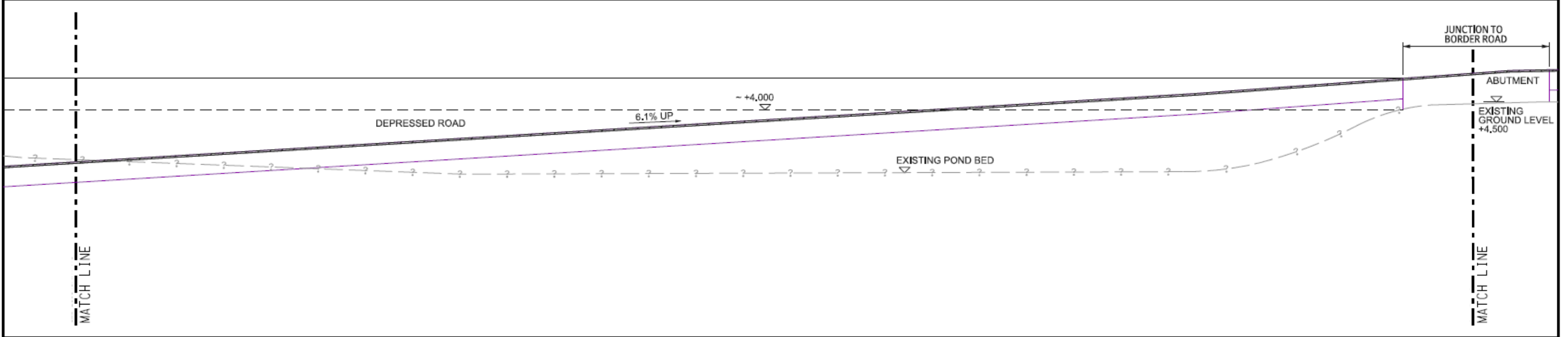






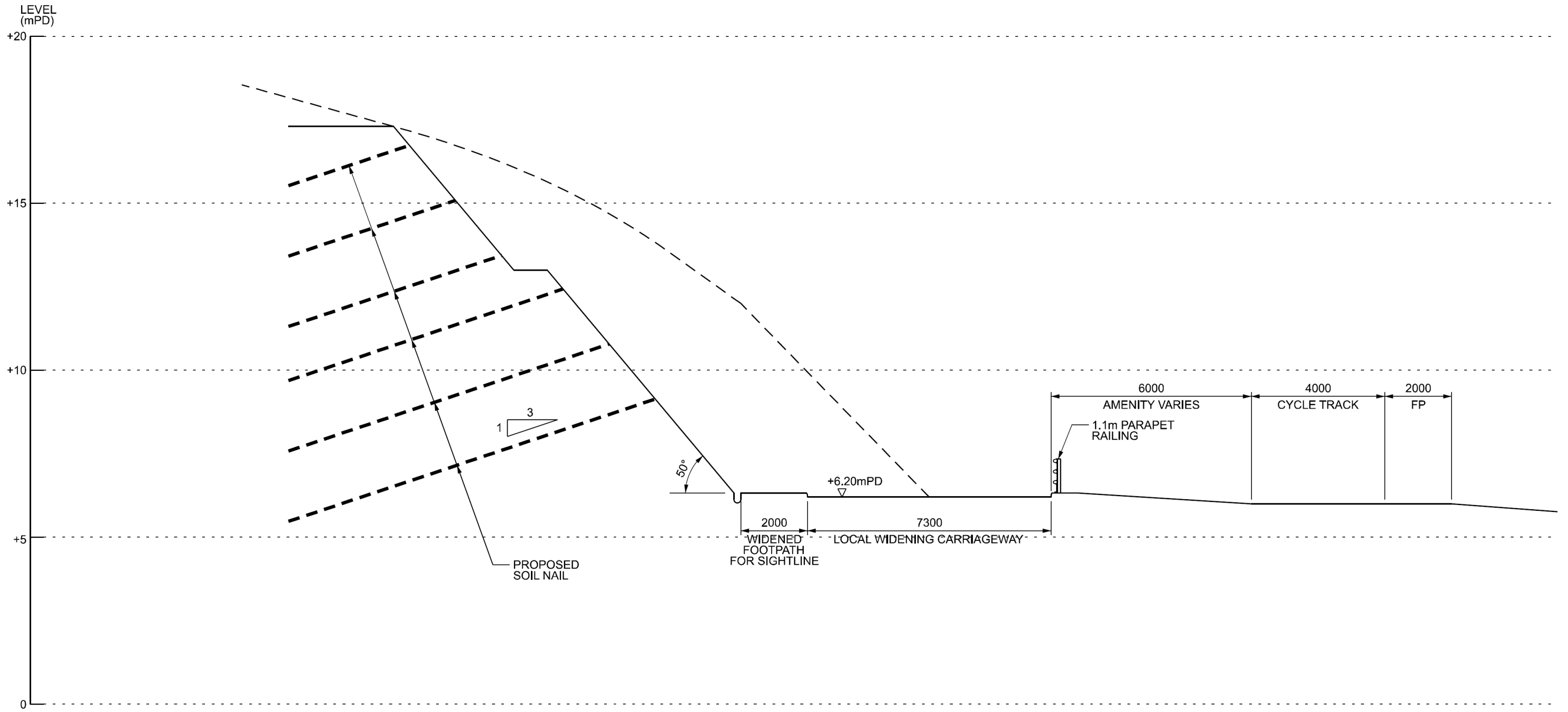




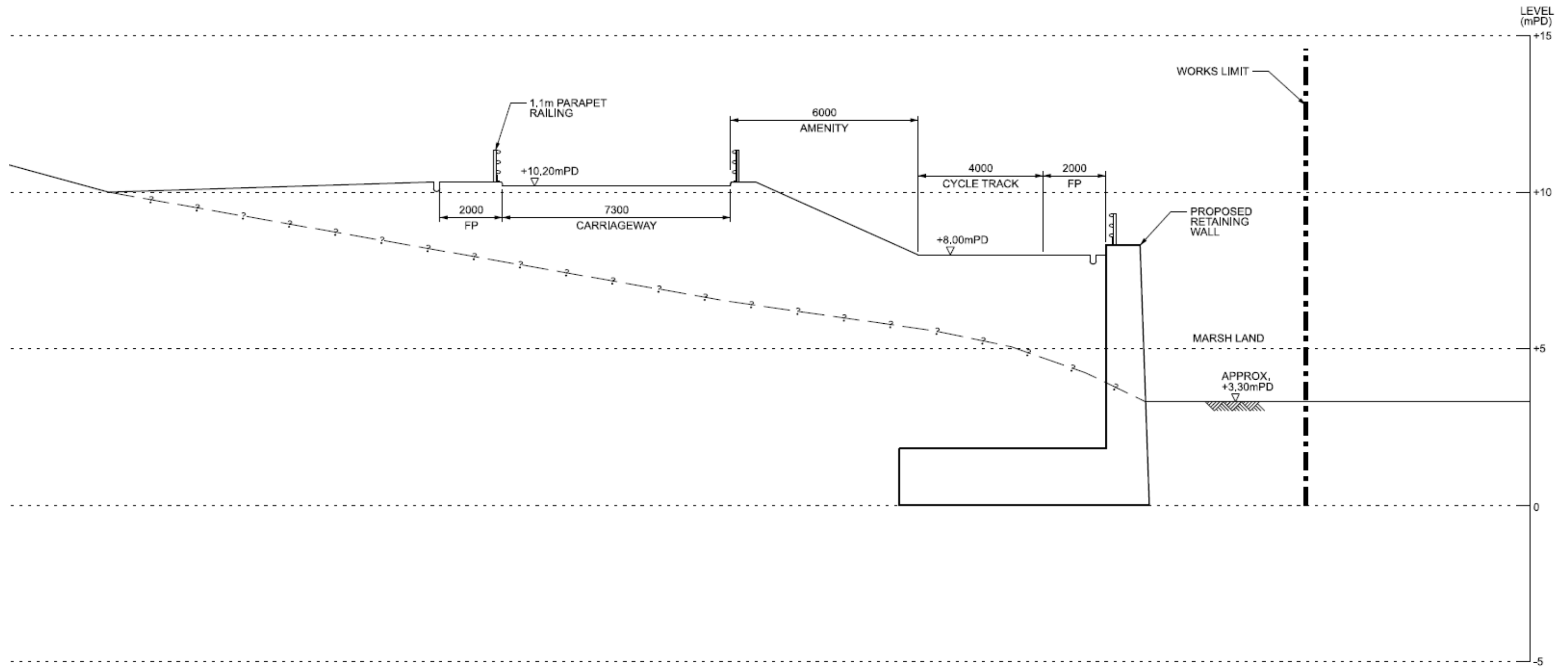


KEY SECTION
1:1000

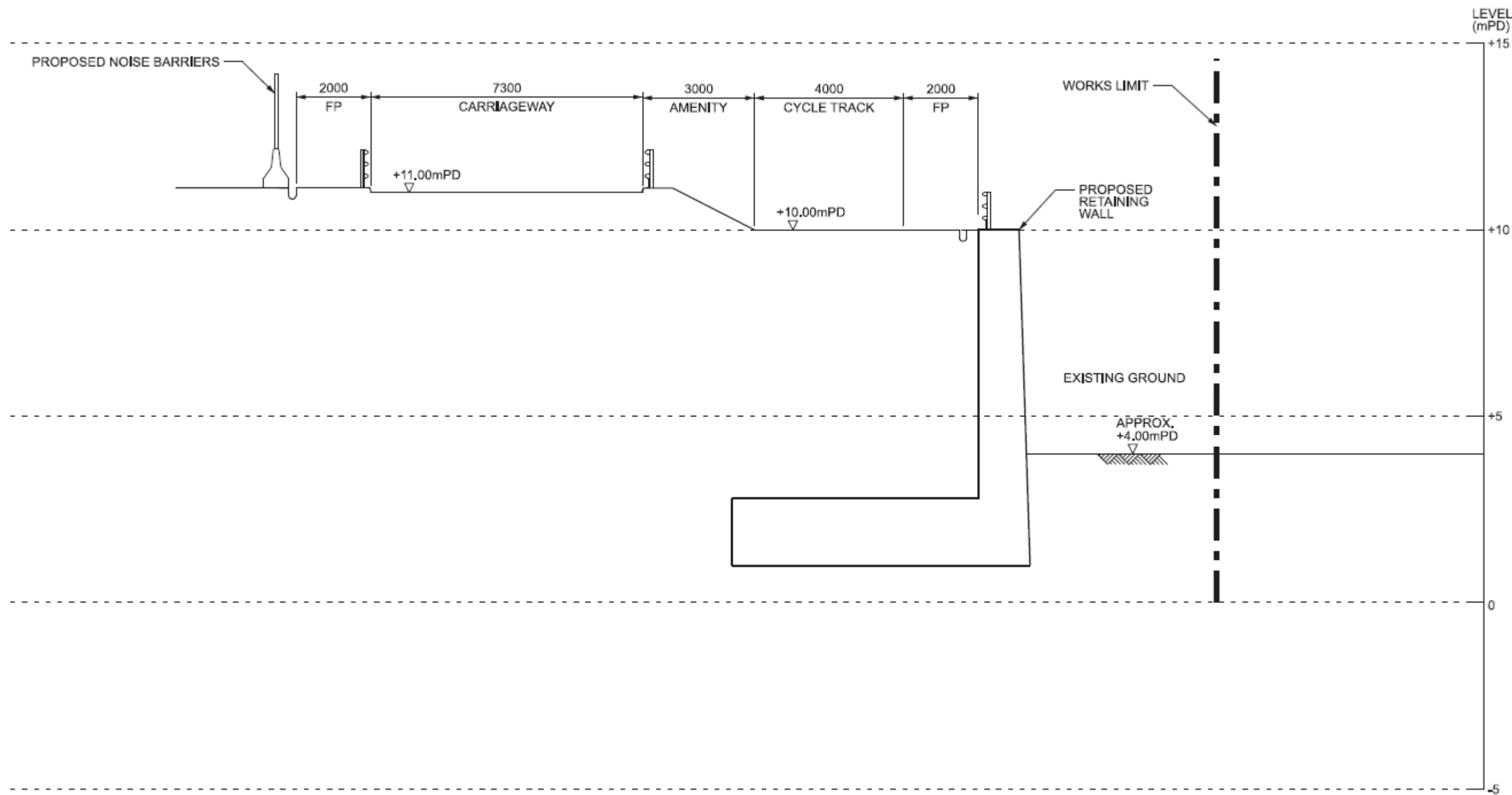
NOTE:
1, ALL LEVELS ARE IN mPD, EXCEPT OTHERWISE STATED.



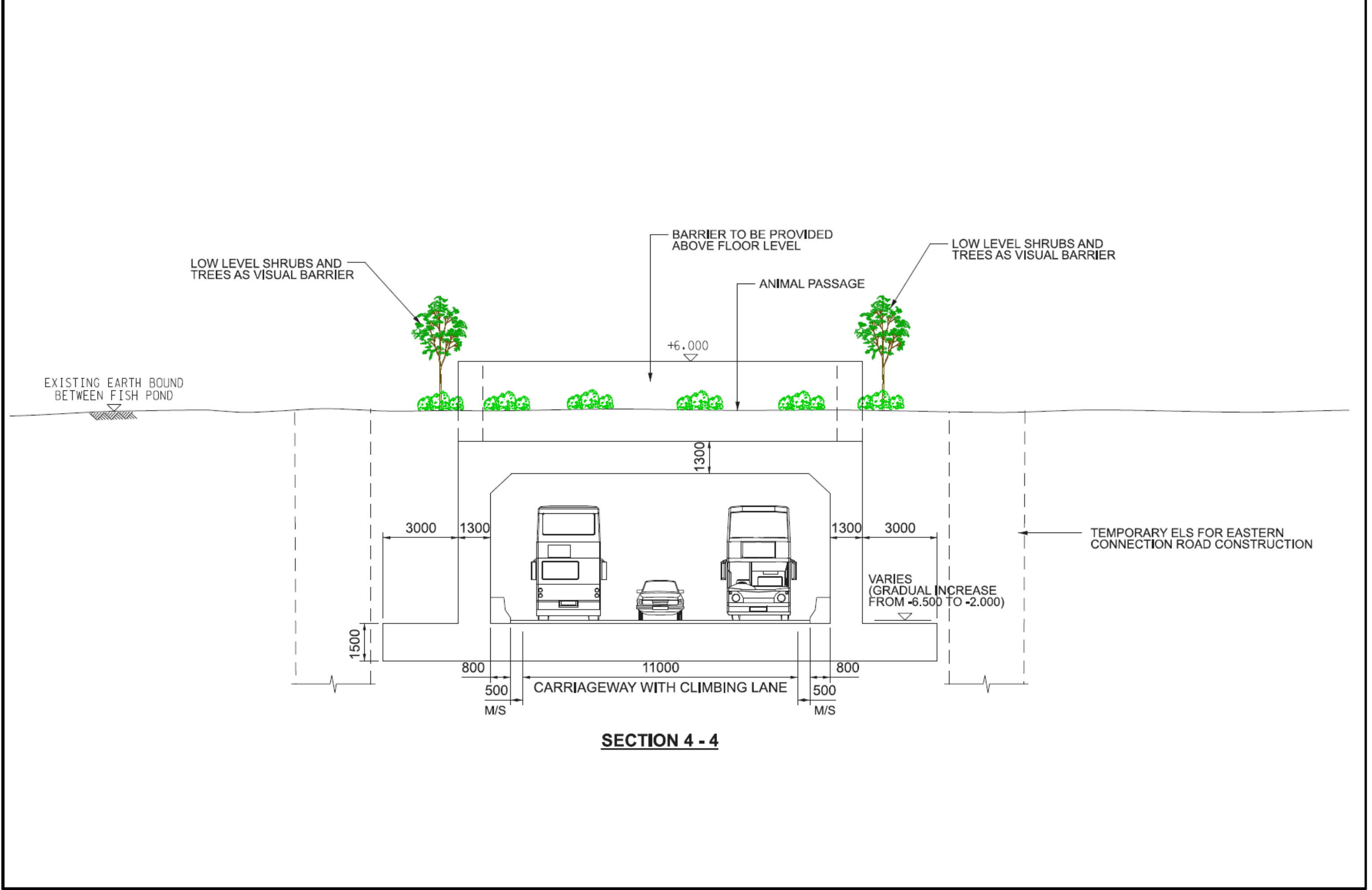
SECTION 1 - 1



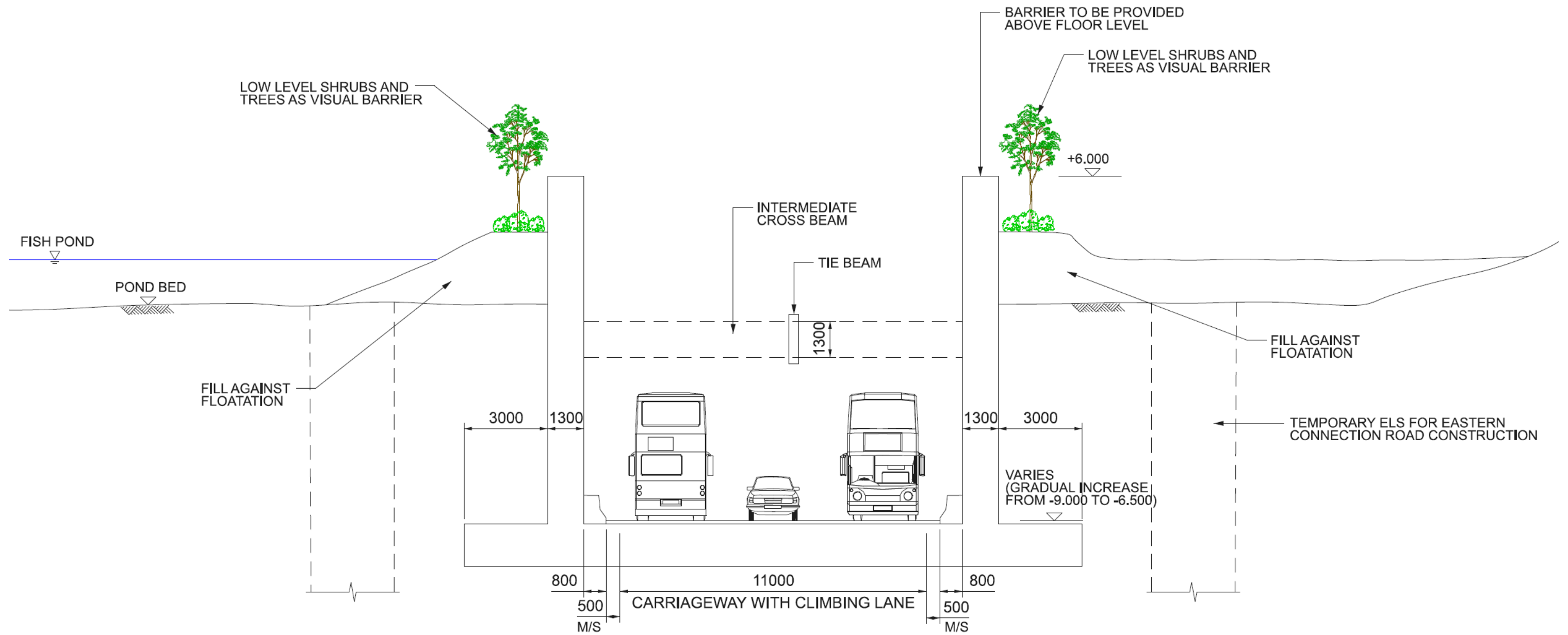
SECTION 2 - 2



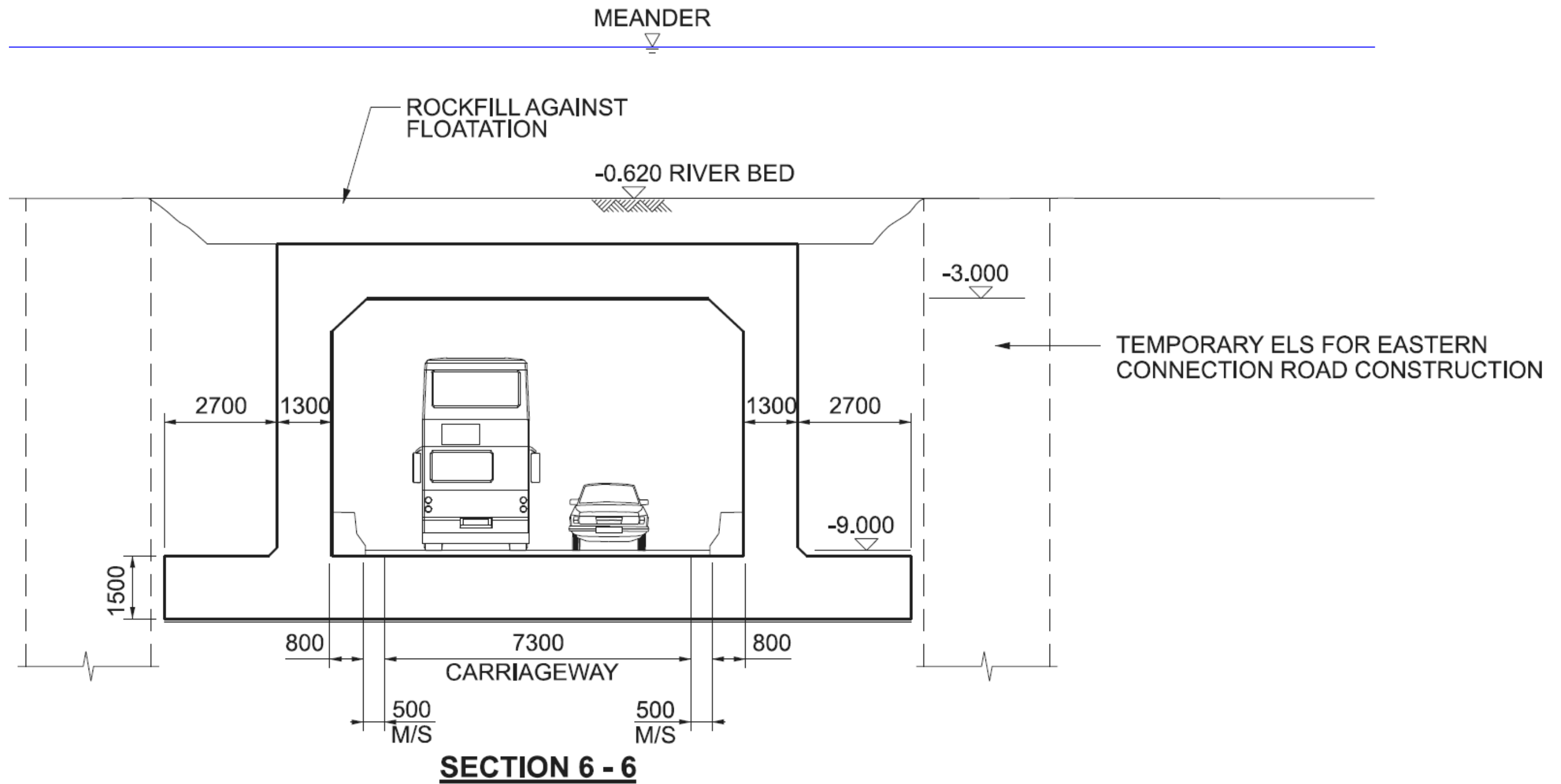
SECTION 3 - 3

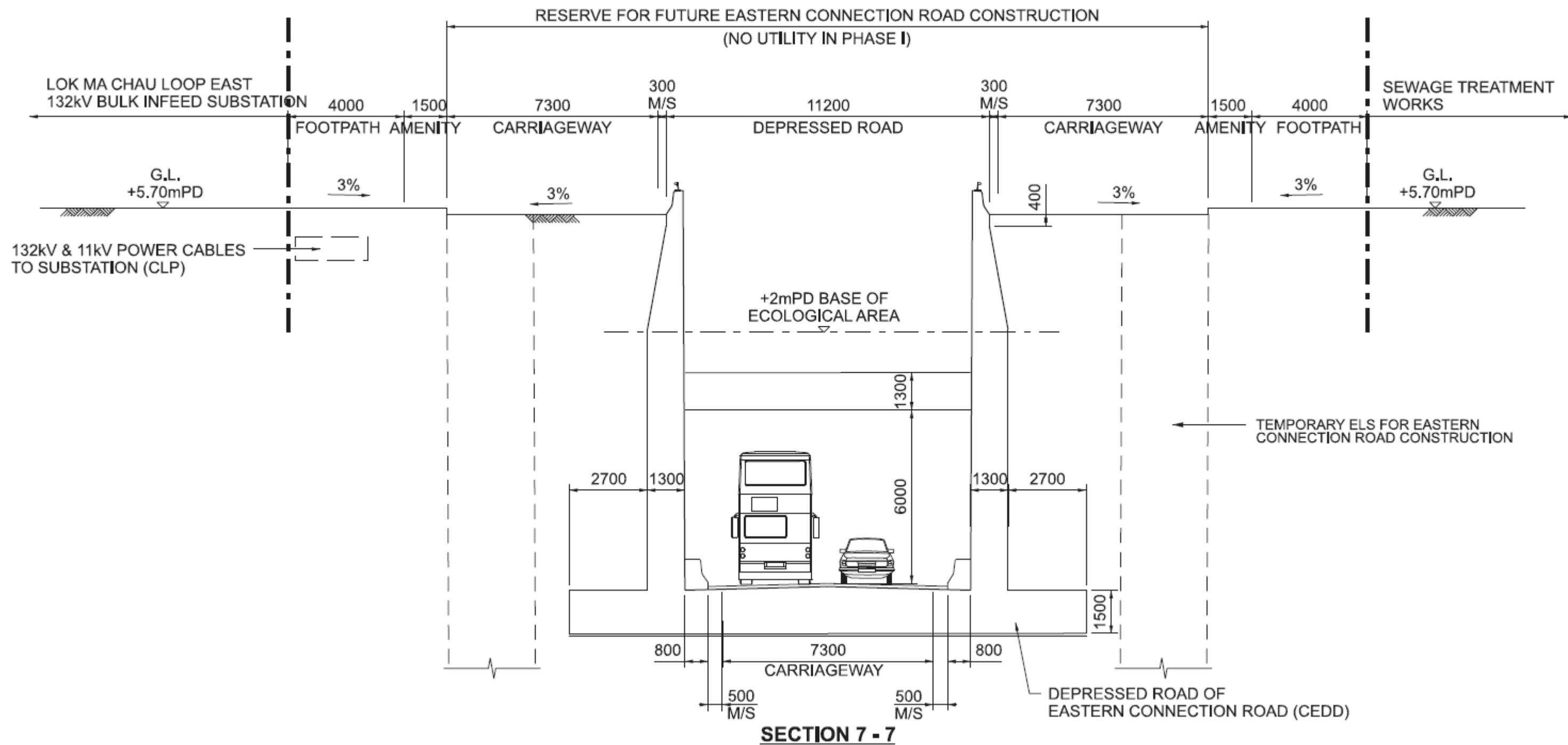


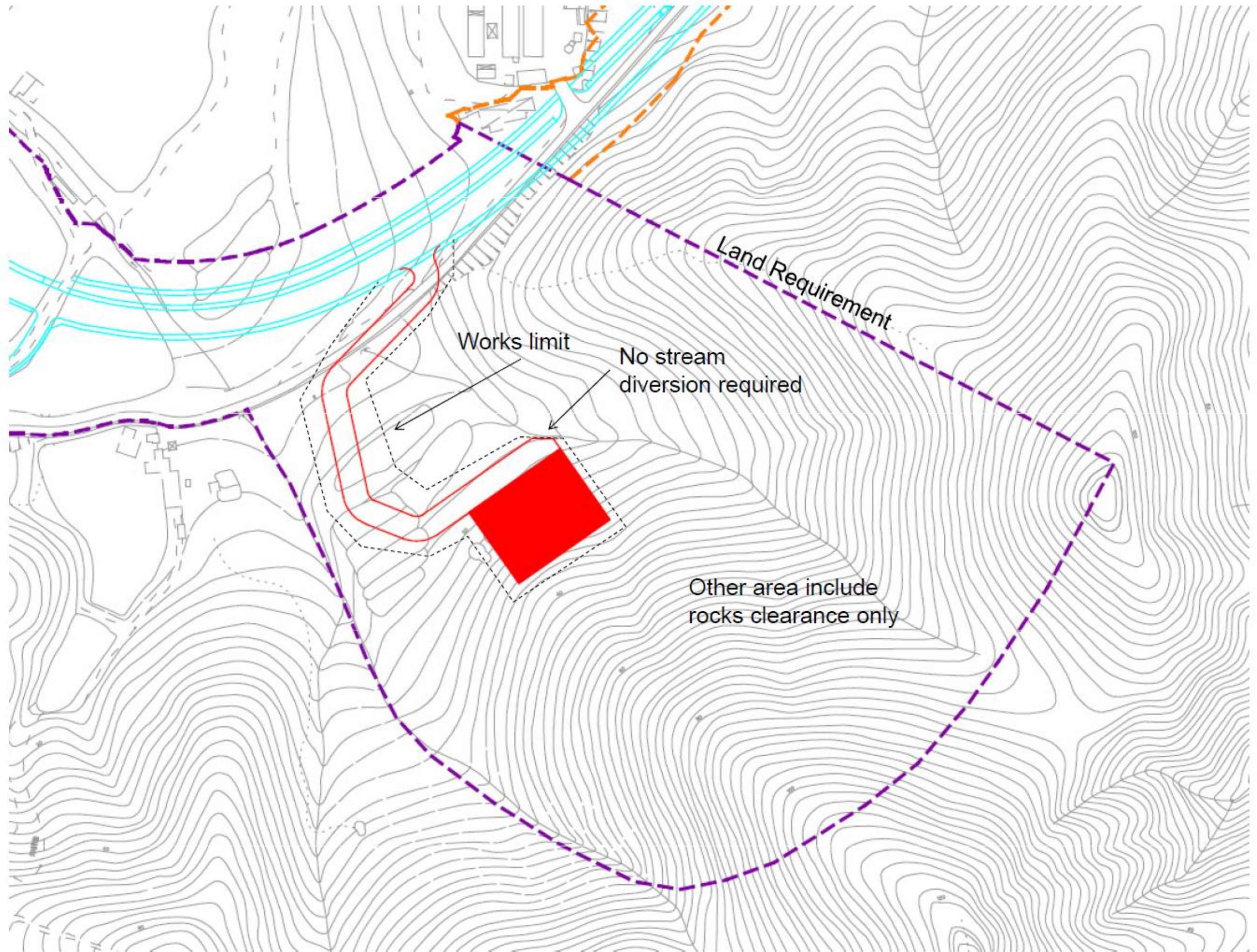
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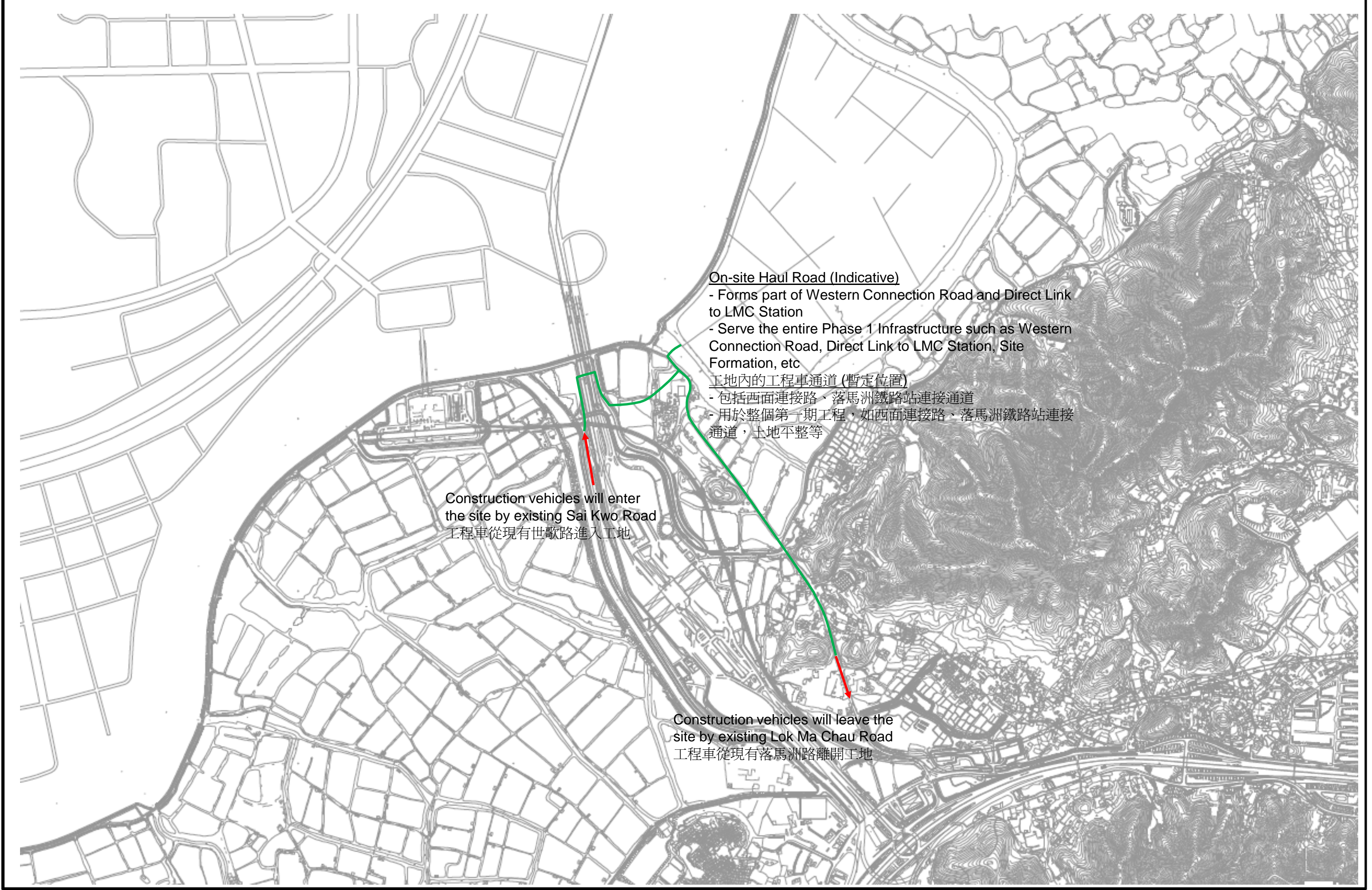


SECTION 5 - 5









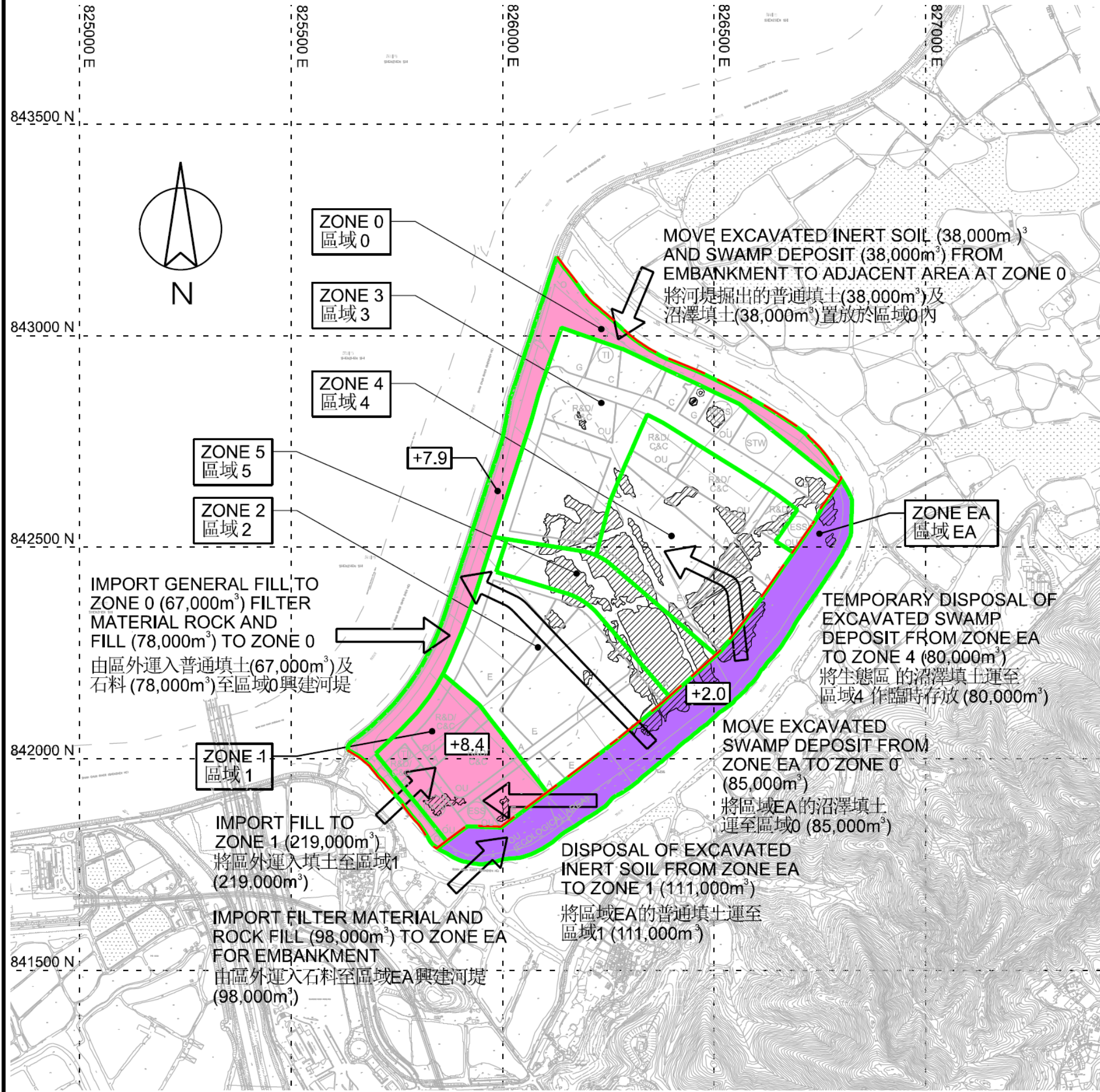
On-site Haul Road (Indicative)
 - Forms part of Western Connection Road and Direct Link to LMC Station
 - Serve the entire Phase 1 Infrastructure such as Western Connection Road, Direct Link to LMC Station, Site Formation, etc

工地內的工程車通道 (暫定位置)
 - 包括西面連接路、落馬洲鐵路站連接通道
 - 用於整個第一期工程，如西面連接路、落馬洲鐵路站連接通道，土地平整等

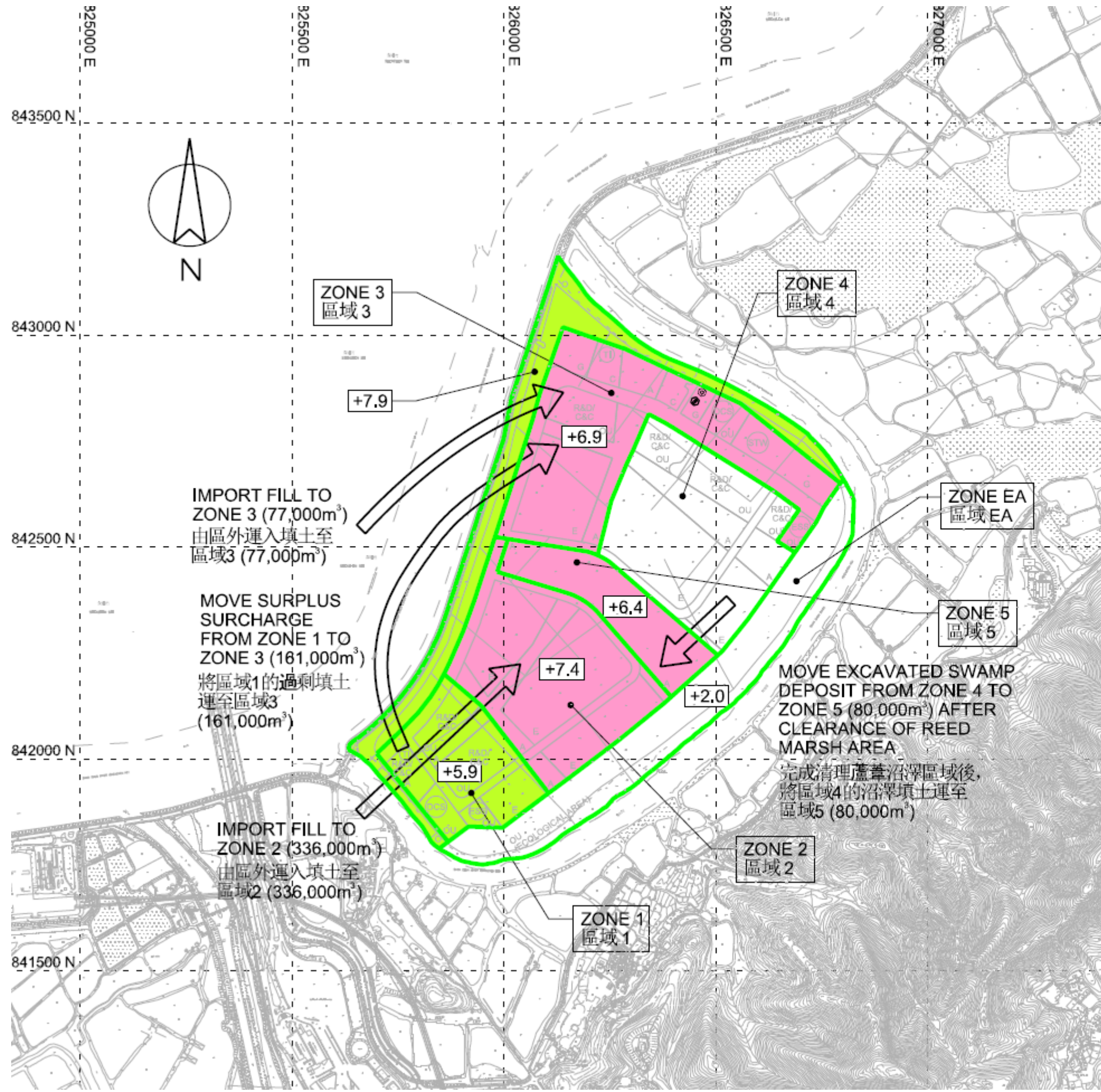
Construction vehicles will enter the site by existing Sai Kwo Road
 工程車從現有世歌路進入工地

Construction vehicles will leave the site by existing Lok Ma Chau Road
 工程車從現有落馬洲路離開工地

STAGE 1 第1階段



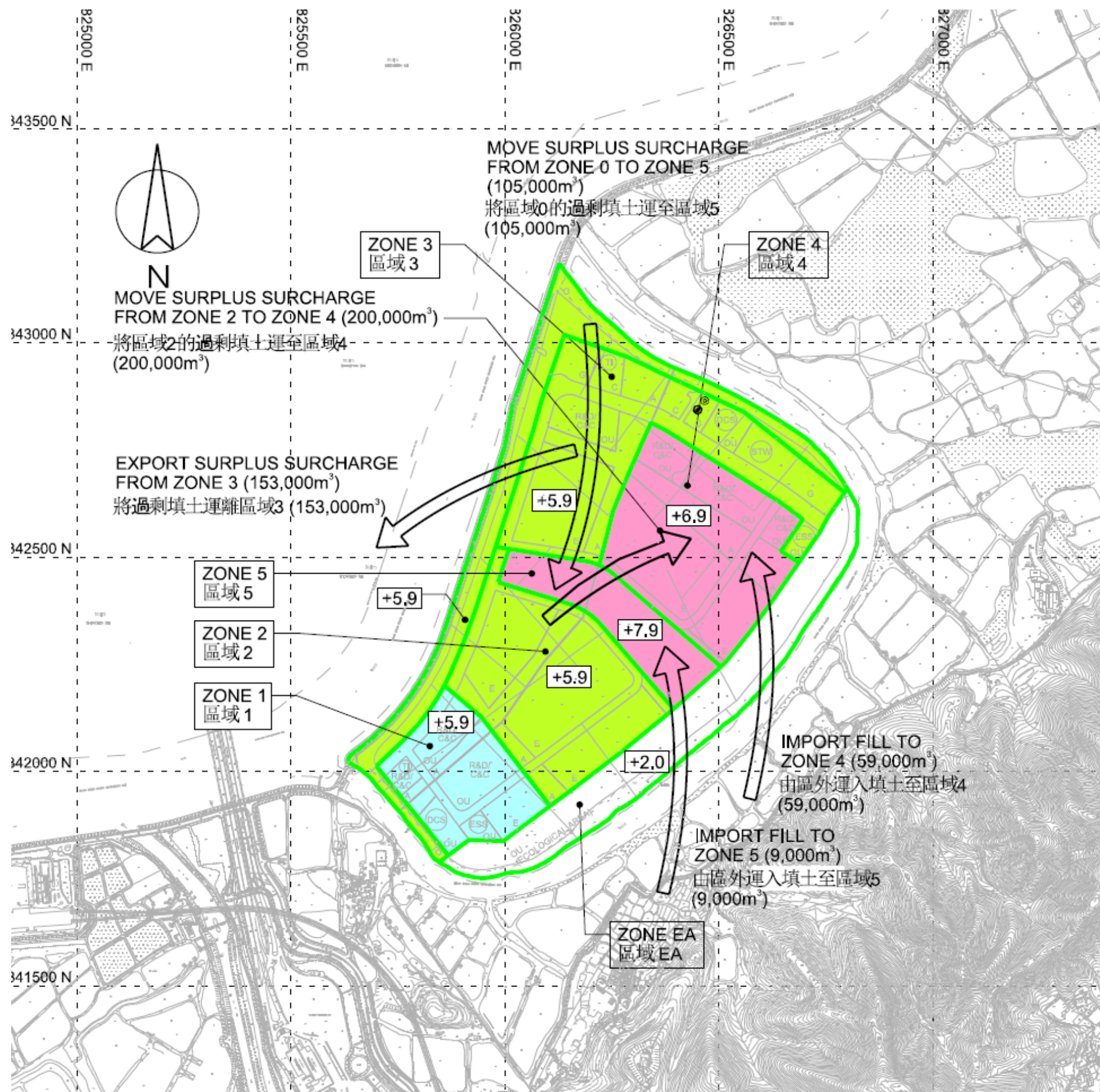
WORKS 工序	PROGRAMME 工期	DURATION
1. EXCAVATION TO +2.00mPD AT ZONE EA AND DISPOSAL OF INERT SOIL TO ZONE 1 (UP TO +8.40mPD) AND SWAMP DEPOSIT TO ZONE 4 AND ZONE 0 1. 於區域EA挖掘至+2.00mPD, 將普通填土運至區域1 (填至+8.40mPD)及沼澤填土運至區域4和區域0	FEB 14 - AUG 14	6 MONTHS
2. INSTALL STONE COLUMN, IMPORT FILTER AND ROCK FILL MATERIAL FOR EMBANKMENT WORK AT ZONE EA 2. 興建石樁及由區外運入石料至區域EA興建河堤	AUG 14 - NOV14	3 MONTHS
3. INSTALL VERTICAL DRAIN AND IMPORT FILL TO ZONE 1 (UP TO 8.40 mPD) 3. 於區域1安裝排水豎管及由區外運入填土(填至+8.40mPD)	DEC 14 - MAY 15	5 MONTHS
4. CONSOLIDATION PERIOD AT ZONE 1 4. 於區域1進行固結	MAY 15 - FEB 16	9 MONTHS
5. MOVE EXCAVATED INERT SOIL AND SWAMP DEPOSIT FROM EMBANKMENT TO ADJACENT AREA AT ZONE 0 5. 將河堤掘出的普通填土及沼澤填土置放於區域0內	FEB 15 - MAR 15	1 MONTH
6. INSTALL STONE COLUMN IMPORT FILTER AND ROCK FILL MATERIAL FOR EMBANKMENT WORK AT ZONE 0 6. 興建石樁及由區外運入石料至區域0興建河堤	MAY 15 - JUL 15	2 MONTHS
7. INSTALL VERTICAL DRAIN AND IMPORT FILL TO ZONE 0 (UP TO +7.90mPD) 7. 於區域0安裝排水豎管及由區外運入填土 (填至+7.90mPD)	JUL 15 - SEP 15	2 MONTHS
8. CONSOLIDATION PERIOD AT ZONE 0 8. 於區域0進行固結	SEP 15 - FEB 17	17 MONTHS



STAGE 2 第2階段

WORKS 工序	PROGRAMME 工期	DURATION 工時
1. INSTALL VERTICAL DRAIN AND IMPORT FILL TO ZONE 2 (UP TO +7.40mPD) 1. 於區域2安裝排水豎管及由區外運入填土(填至+7.40mPD)	SEP 15 - JUL 16	8 MONTHS
2. MOVE EXCAVATED SWAMP DEPOSIT FROM ZONE 4 TO ZONE 5 (UP TO +6.40mPD) 2. 將沼澤填土由區域4運至區域5 (填至+6.40mPD)	AUG 16 - SEP 16	1 MONTHS
3. INSTALL VERTICAL DRAIN AND MOVE SURPLUS SURCHARGE FROM ZONE 1 TO ZONE 3 3. 於區域3安裝排水豎管及由區域1運入過剩填土	MAY 16 - AUG 16	3 MONTHS
4. IMPORT FILL TO ZONE 3 (UP TO +6.90mPD) 4. 由區外運入填土至區域3 (填至+6.90mPD)	JUL 16 - SEP 16	2 MONTHS
5. CONSOLIDATION AT ZONE 2 5. 於區域2進行固結	JUL 16 - JAN 17	6 MONTHS
6. CONSOLIDATION AT ZONE 3 6. 於區域3進行固結	SEP 16 - JUN 17	9 MONTHS
7. HANDOVER OF ZONE 1 FOR INFRASTRUCTURE WORK 7. 區域1移交予開展基建工程	AUG 16	-

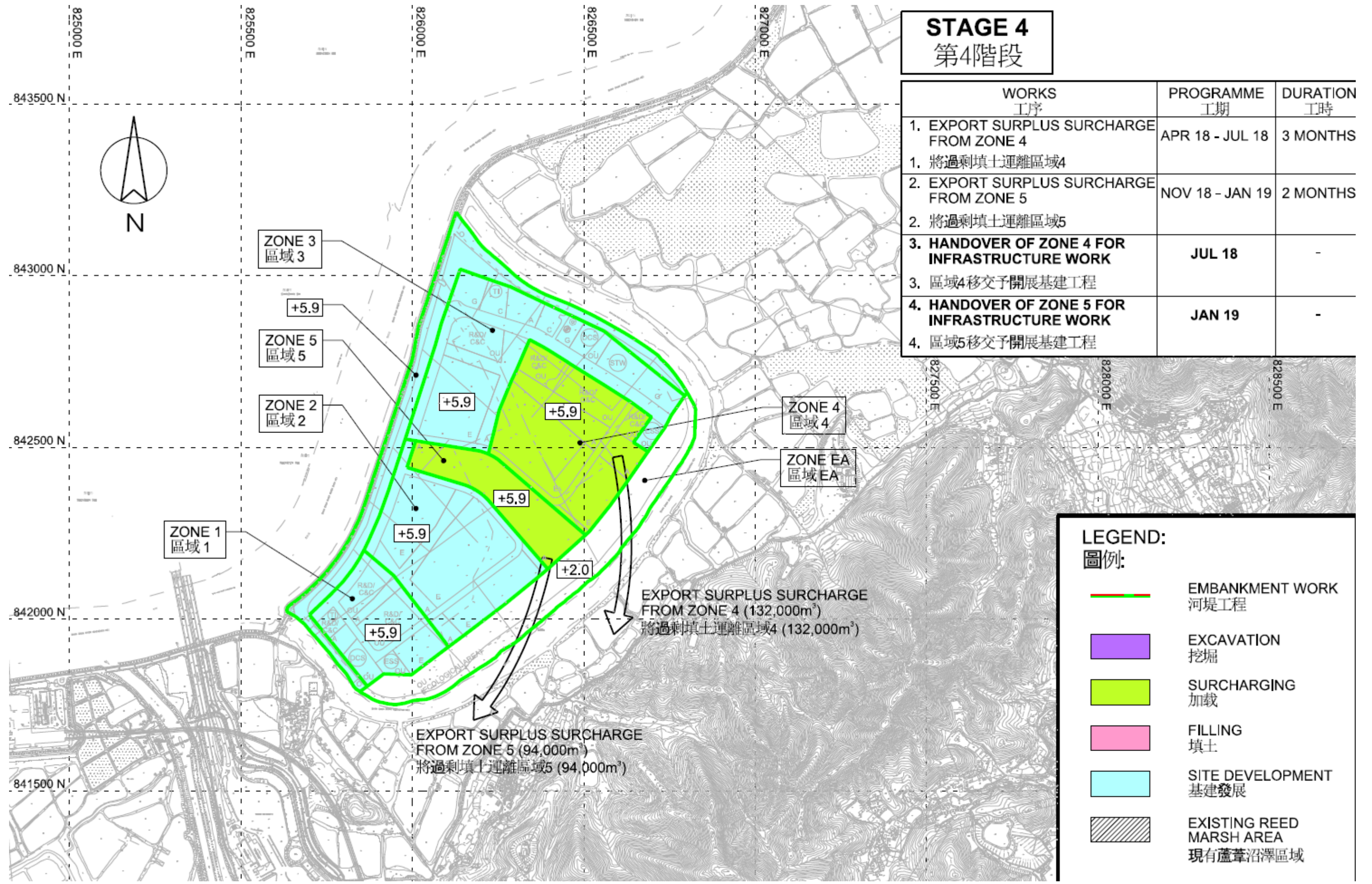
STAGE 3 第3階段



WORKS 工序	PROGRAMME 工期	DURATION 工時
1. INSTALL VERTICAL DRAIN AT ZONE 5 AND MOVE SURPLUS SURCHARGE FROM ZONE 0 TO ZONE 5 1. 於區域5安裝排水豎管及將區域0的過剩填土運至區域5	APR 17 - JUN 17	1 MONTH
2. IMPORT FILL TO ZONE 5 (UP TO +7.90mPD) 2. 由區外運入填土至區域5 (填至+7.90mPD)	APR 17	1 MONTH
3. INSTALL VERTICAL DRAIN AND MOVE SURPLUS SURCHARGE FROM ZONE 2 TO ZONE 4 3. 於區域4安裝排水豎管及由區域2運入過剩填土	JAN 17 - APR 17	3 MONTHS
4. IMPORT FILL TO ZONE 4 (UP TO +6.90mPD) 4. 由區外運入填土至區域4 (填至+6.90mPD)	APR 17 - JUN 17	1 MONTH
5. CONSOLIDATION AT ZONE 5 5. 於區域5進行固結	JUN 17 - NOV 18	17 MONTHS
6. CONSOLIDATION AT ZONE 4 6. 於區域4進行固結	JUN 17 - APR 18	10 MONTHS
7. EXPORT SURPLUS SURCHARGE FROM ZONE 3 7. 將過剩填土運離區域3	JUN 17 - OCT 17	4 MONTHS
8. HANDOVER OF ZONE 2 FOR INFRASTRUCTURE WORK 8. 區域2移交予開展基建工程	APR 17	-
9. HANDOVER OF ZONE 3 FOR INFRASTRUCTURE WORK 9. 區域3移交予開展基建工程	OCT 17	-
10. HANDOVER OF ZONE 0 FOR INFRASTRUCTURE WORK 10. 區域0移交予開展基建工程	JUN 17	-

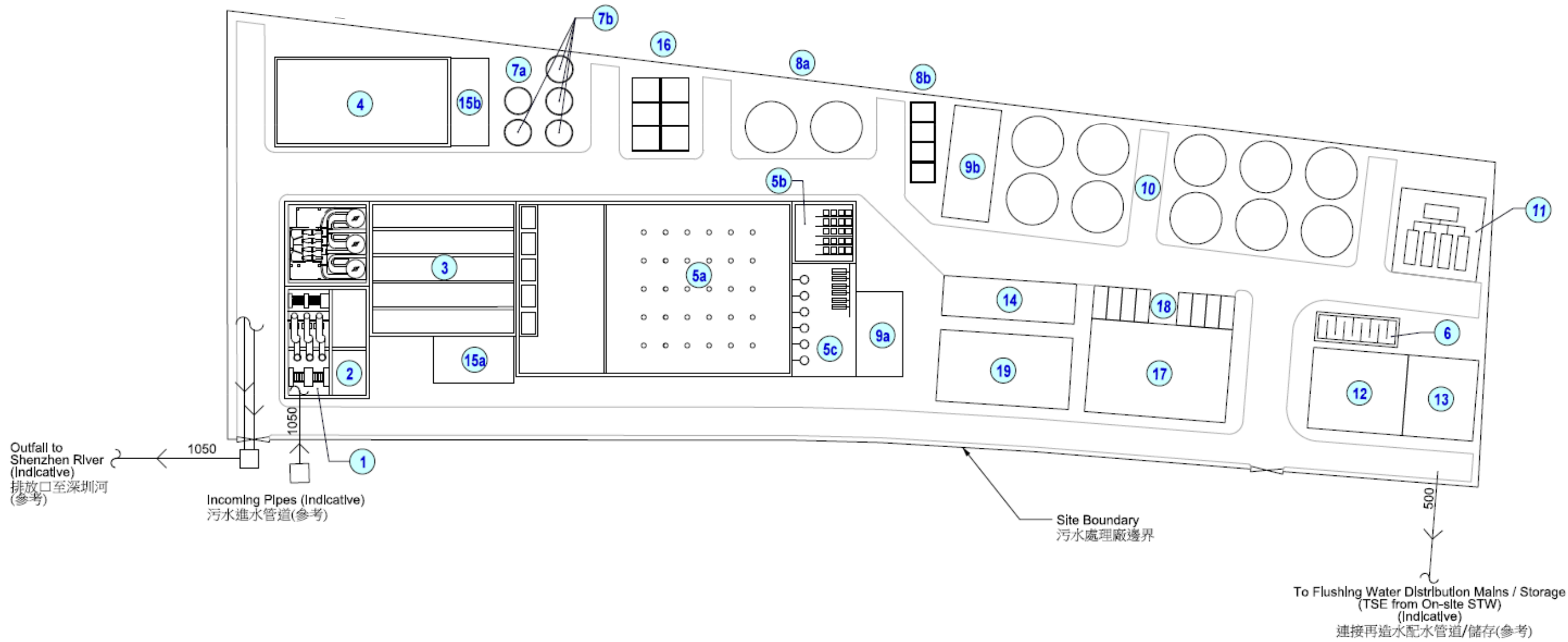
STAGE 4 第4階段

WORKS 工序	PROGRAMME 工期	DURATION 工時
1. EXPORT SURPLUS SURCHARGE FROM ZONE 4 1. 將過剩填土運離區域4	APR 18 - JUL 18	3 MONTHS
2. EXPORT SURPLUS SURCHARGE FROM ZONE 5 2. 將過剩填土運離區域5	NOV 18 - JAN 19	2 MONTHS
3. HANDOVER OF ZONE 4 FOR INFRASTRUCTURE WORK 3. 區域4移交予開展基建工程	JUL 18	-
4. HANDOVER OF ZONE 5 FOR INFRASTRUCTURE WORK 4. 區域5移交予開展基建工程	JAN 19	-



LEGEND:
圖例:

	EMBANKMENT WORK 河堤工程
	EXCAVATION 挖掘
	SURCHARGING 加載
	FILLING 填土
	SITE DEVELOPMENT 基建發展
	EXISTING REED MARSH AREA 現有蘆葦沼澤區域

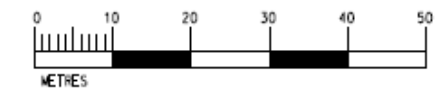


1	Inlet Pumping Station and Preliminary Treatment 入水泵房及預處理
2	Skip Loading and Unloading 隔篩/砂礫斗裝卸區
3	Primary Sedimentation Tanks 一級沉澱池
4	Equilisation Tank 均衡池
5a	Membrane Bioreactor (Bioreactor) Including fine screen 膜生物反應器(生物反應池),包括幼隔篩
5b	Membrane Bioreactor (Membranes) 膜生物反應器(膜池)
5c	Pump Compound 泵組




6	Reclaimed Water Chlorine Contact Tank 再造水氯水接觸池
7a	Primary Sludge Storage Tank 初級污泥池
7b	Primary Sludge Thickeners 初級污泥濃縮池
8a	MBR Sludge Storage Tanks 膜生物反應器污泥池
8b	Dissolved Air Flotation Units 溶氣浮選組件
9a	Blower House (MBR) 鼓風機房(污水處理)
9b	Blower House (Sludge) 鼓風機房(污泥處理)

10	Sludge Digestion Tanks 污泥消化池
11	Sludge Filter Press House 污泥壓濾機
12	Reclaimed Water Surge Vessel Compound 再生水調壓缸
13	Reclaimed Water Booster Pump Compound 再生水水泵
14	Chemical Compound 化學品儲存庫
15a	Deodourisation Unit (Sewage), serving Items 1, 2, 3, 5a, 5b and 5c. 除臭器(污水處理)-涵蓋項目1,2,3,5a,5b和5c
15b	Deodourisation Unit (Sludge), serving Items 4, 7, 8 and 10. 除臭器(污泥處理)-涵蓋項目4,7,8和10

16	Switch / Transformer Room 變壓機房
17	Administration Building and Control Room 行政大樓和控制室
18	Sheltered Carpark 有蓋停車場
19	Workshop Compound 工場

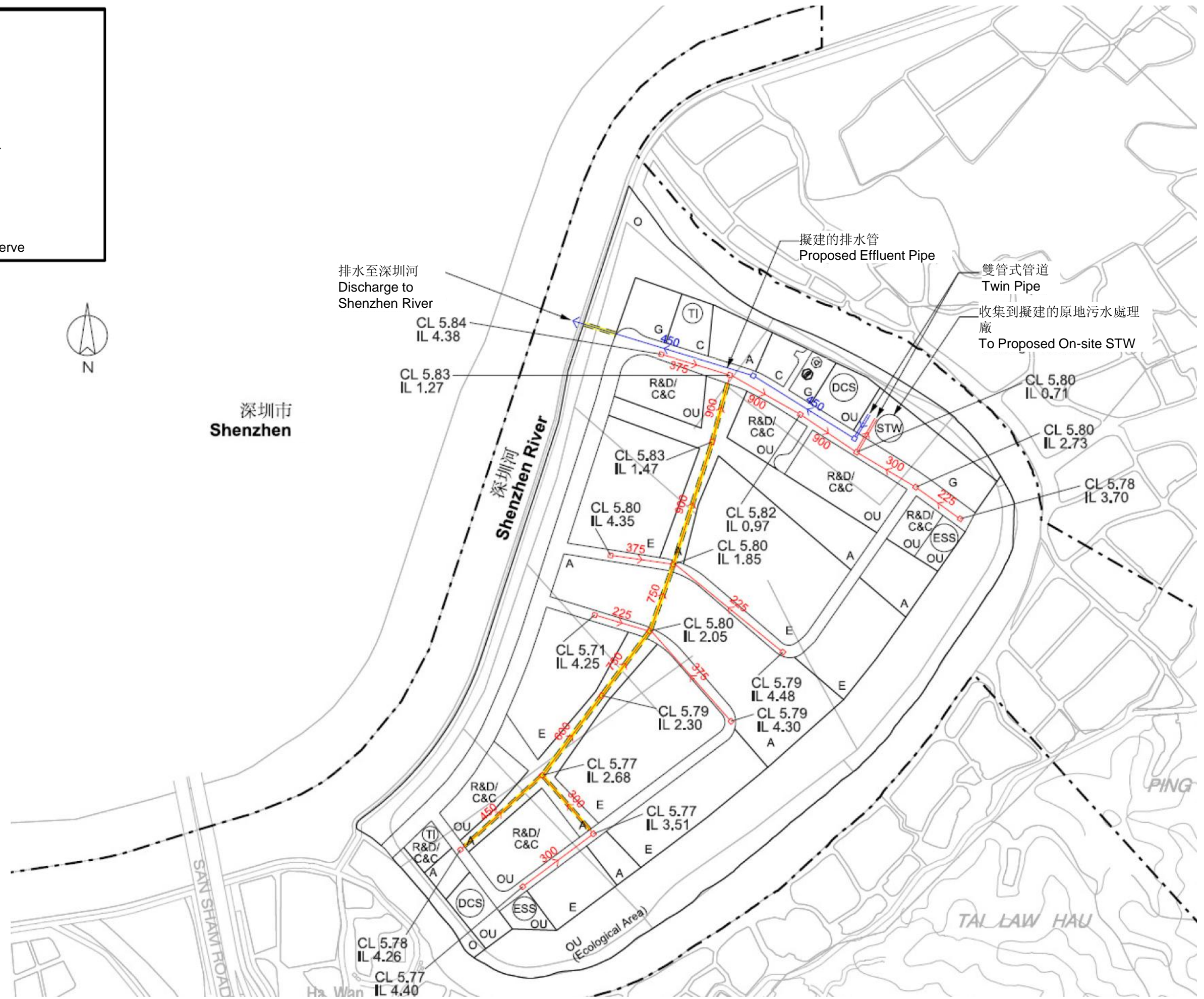


圖例
Legend

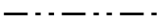




-  擬建的引力污水渠
Proposed Gravity Sewer
-  擬建的排水管
Proposed Effluent Pipe
-  擬建的渠務保留地
Proposed Drainage Reserve



深圳市
Shenzhen



圖例:
LEGEND:

-  香港特別行政區界
HKSAR BOUNDARY
-  禁區界線
CLOSED AREA BOUNDARY
-  新界東北新發展區研究範圍
STUDY AREA OF
NORTH EAST NEW TERRITORIES
NEW DEVELOPMENT AREA
-  擬建的沖廁用水配水管
PROPOSED FLUSHING WATER
DISTRIBUTION MAINS
-  擬建的沖廁用水鋼管
(由原地的污水處理廠供應經處理的污水)
PROPOSED FLUSHING WATER
TRUNK MAIN
(TSE FROM ON-SITE STW)



深圳市
SHENZHEN SHI

落馬洲河套區
LOK MA CHAU
LOOP

關上擬建減壓閥
PROPOSED PRESSURE
REDUCING VALUE
TO BE CLOSED

抽水站
PUMPING STATION

馬草壟
MA ISO LUNG

東邊連接路
EASTERN APPROACH ROAD

擬建的沖廁用水配水庫
PROPOSED FLUSHING WATER
SERVICE RESERVOIR

石仔嶺
SHEK TSAI LENG

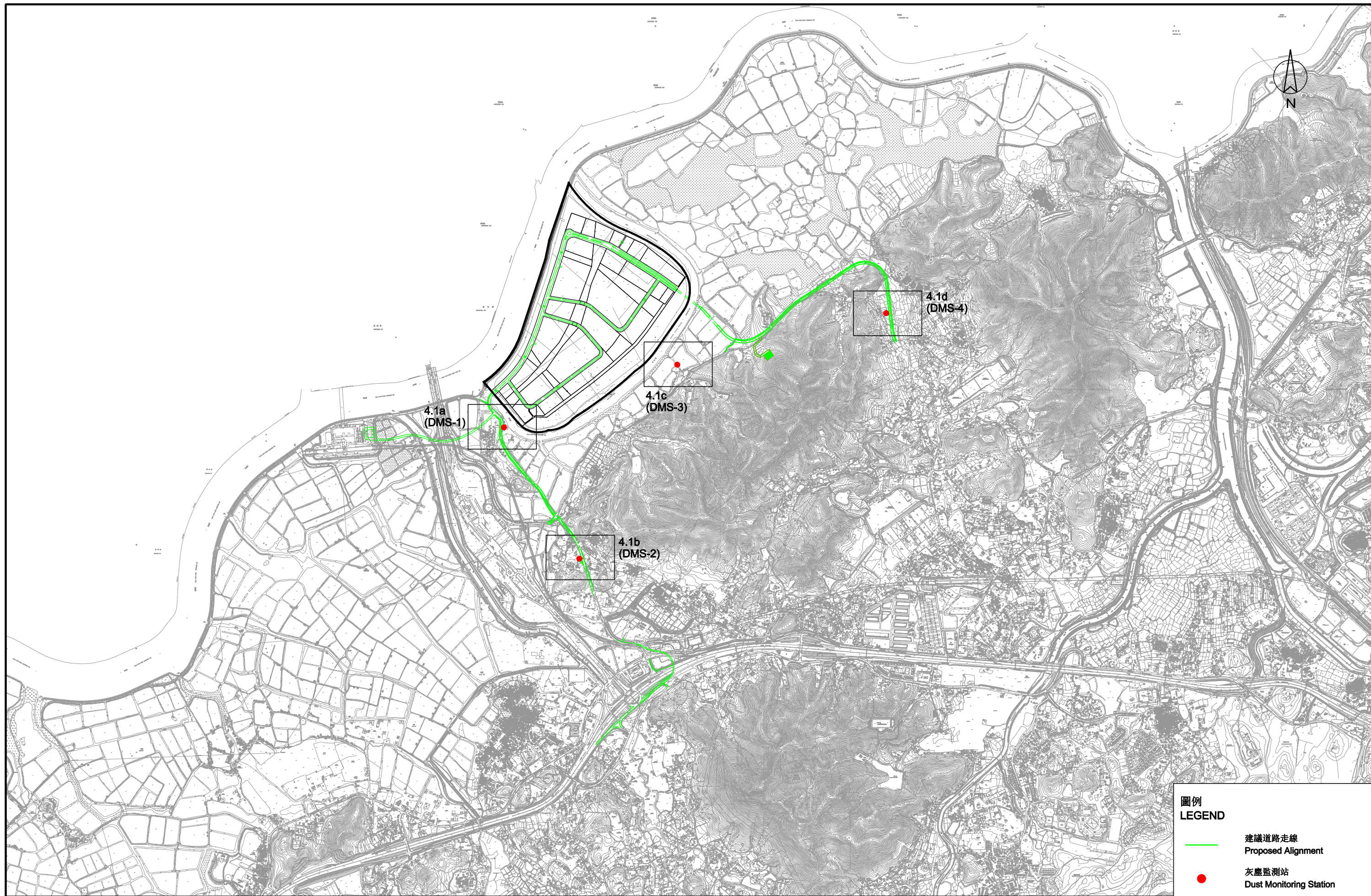
西邊連接路
WESTERN APPROACH ROAD

新田
SAN TIN

古洞
KWU TUNG

深圳河
SHENZHEN RIVER

Printed by : \$DATES
Filename : \$FILES



圖例
LEGEND

— 建議道路走線
Proposed Alignment

● 灰塵監測站
Dust Monitoring Station

CEDD 土木工程拓展署
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

PLANNING DEPARTMENT
規劃署

ARUP
奧雅納工程顧問
Ove Arup & Partners Hong Kong Limited

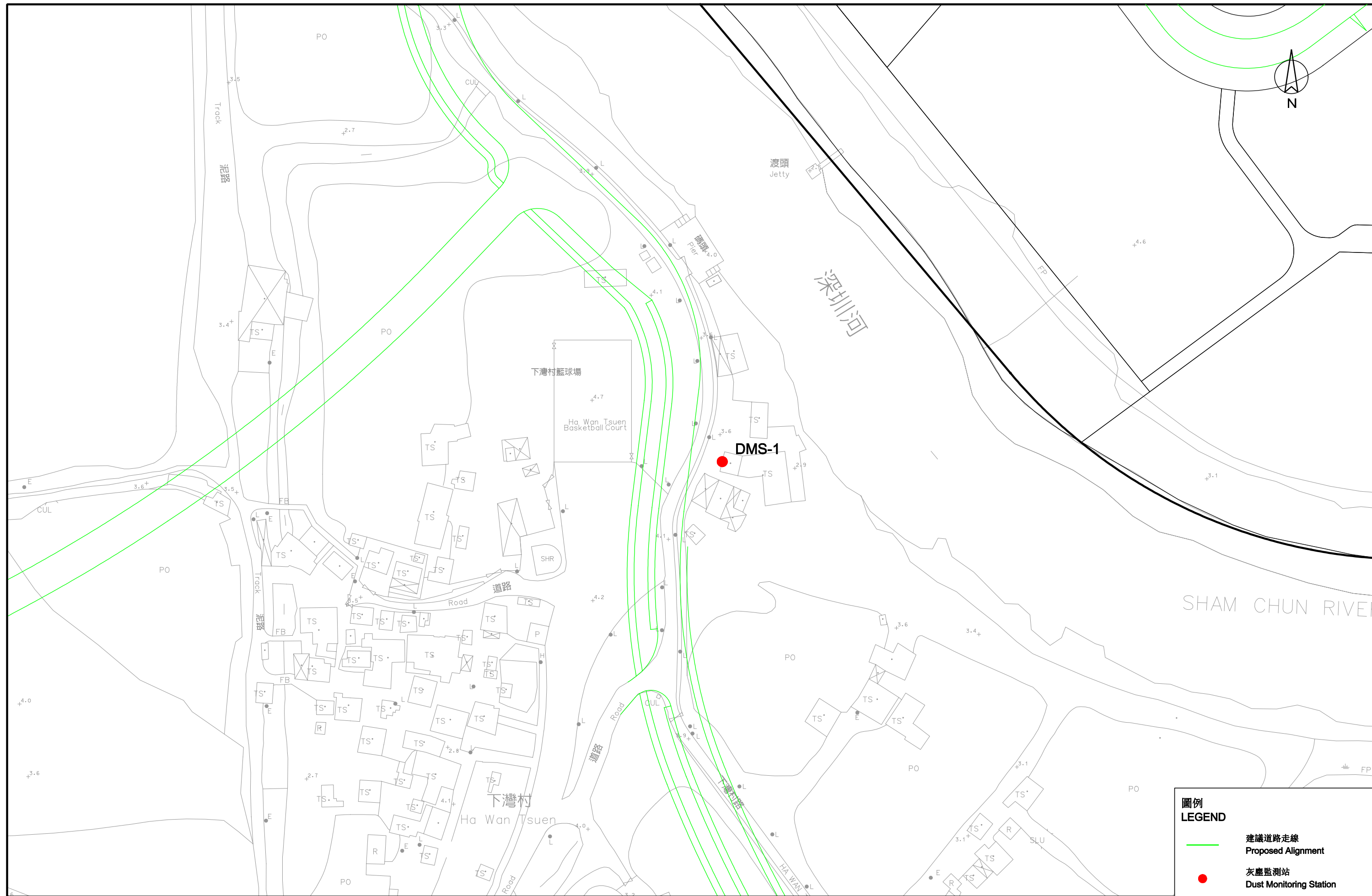
研究項目 Job Title
合約編號 Agreement No. CE 53/2008 (CE)
落馬洲河套地區發展規劃及工程研究 - 勘查研究
Planning and Engineering Study on Development of Lok Ma Chau Loop - Investigation

圖則項目 Title
建議灰塵監測站位置
Locations of Dust Monitoring Stations

圖則編號 Figure No.
4.1

圖則 Scale
1:20000 ON A3

修訂編號 Rev.
-



圖例 LEGEND

- 建議道路走線
Proposed Alignment
- 灰塵監測站
Dust Monitoring Station

CEDD 土木工程拓展署
CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT

規劃署
PLANNING DEPARTMENT

ARUP
奧雅納工程顧問
Ove Arup & Partners
Hong Kong Limited

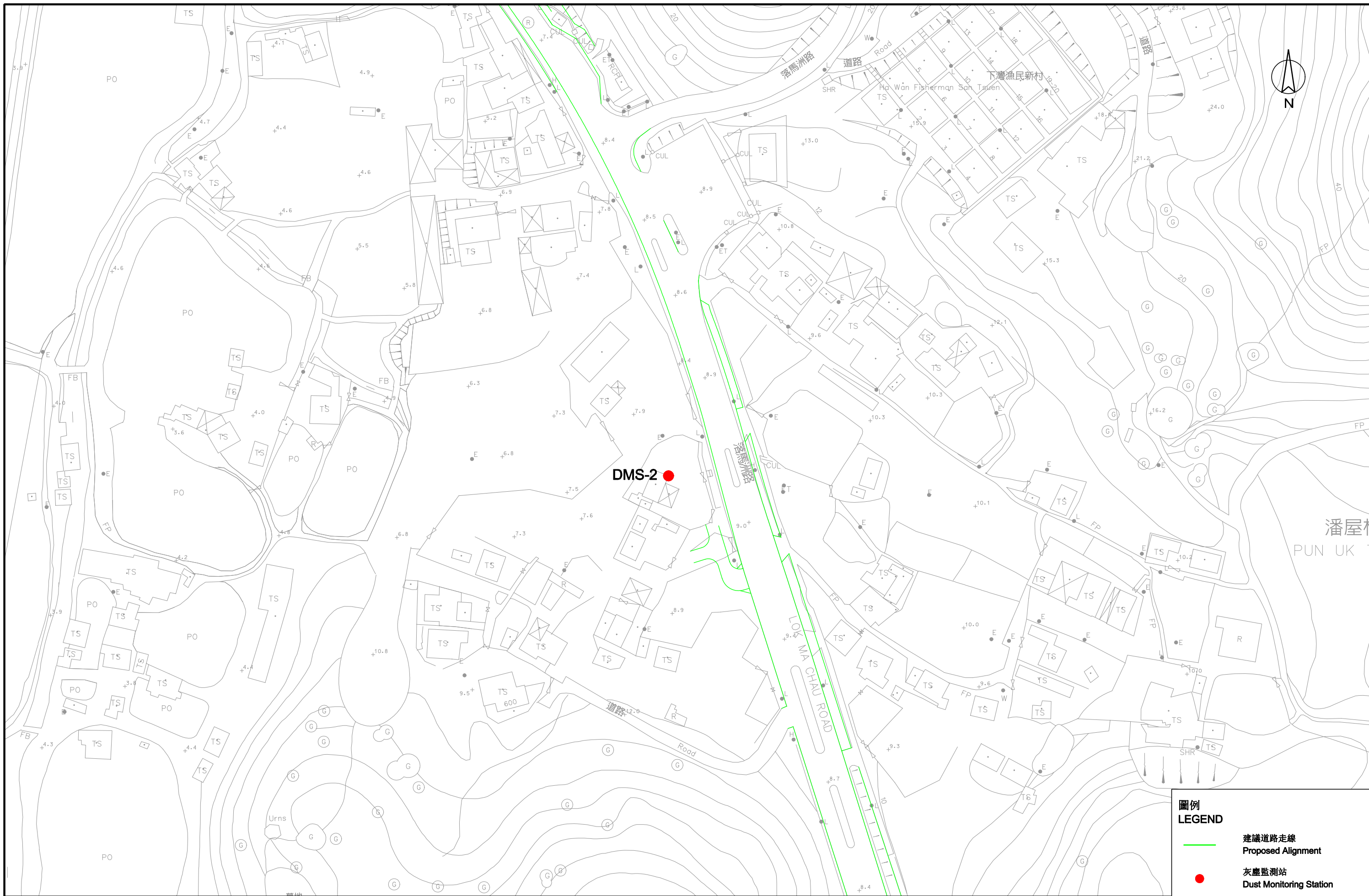
研究項目 Job Title
合約編號 Agreement No. CE 53/2008 (CE)
落馬洲河套地區發展規劃及工程研究 - 勘查研究
Planning and Engineering Study on
Development of Lok Ma Chau Loop - Investigation

圖則項目 Title
建議灰塵監測站位置 - DMS-1
Locations of Dust Monitoring Stations - DMS-1

圖則編號 Figure No.
4.1a


圖則 Scale
1:1000 ON A3


修訂編號 Rev.
-



圖例 LEGEND

- 建議道路走線
Proposed Alignment
- 灰塵監測站
Dust Monitoring Station


土木工程拓展署
 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT


規劃署
 PLANNING DEPARTMENT


奧雅納工程顧問
 Ove Arup & Partners Hong Kong Limited

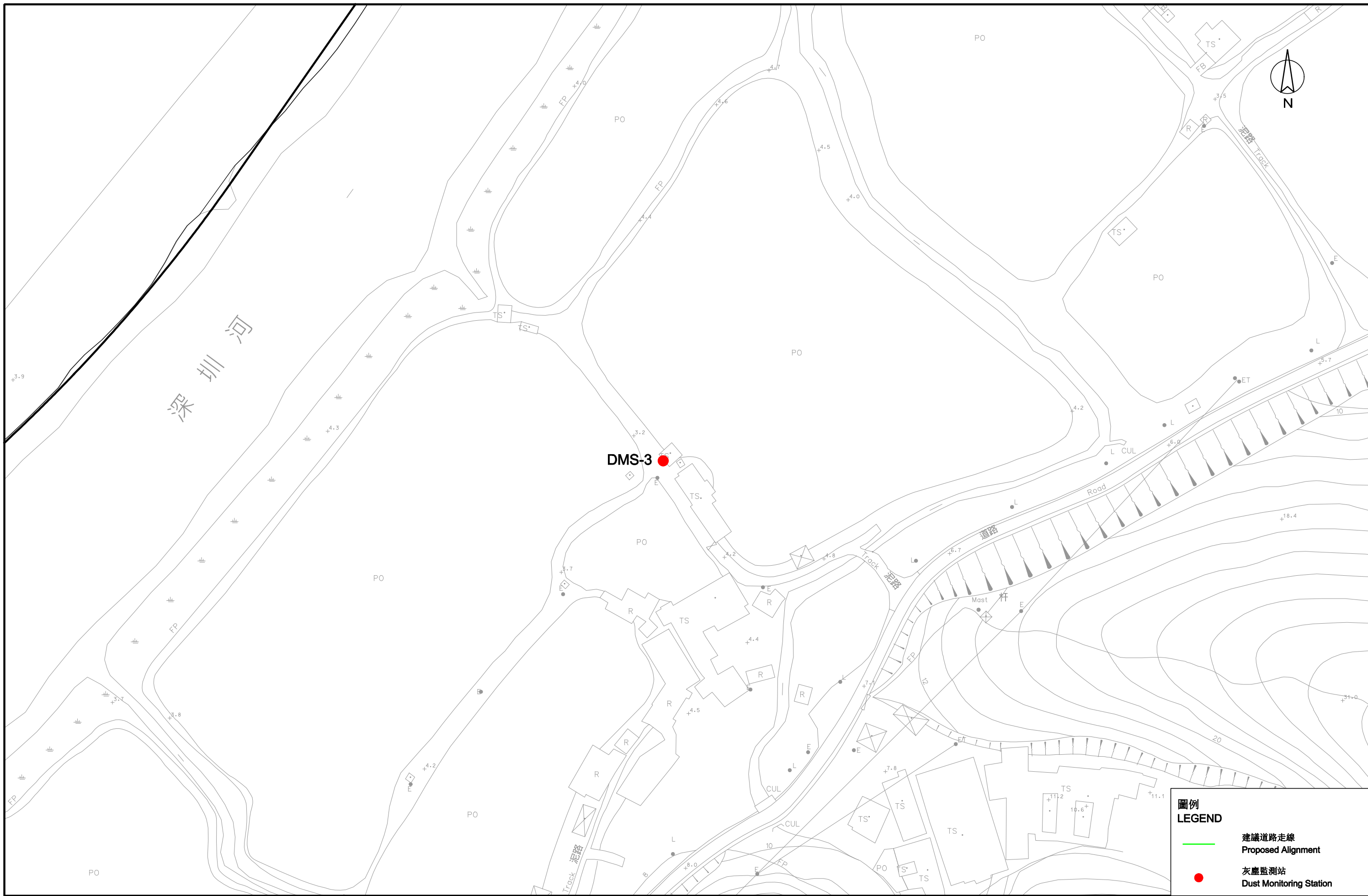
研究項目 Job Title
合約編號 Agreement No. CE 53/2008 (CE)
 落馬洲河套地區發展規劃及工程研究 - 勘查研究
 Planning and Engineering Study on Development of Lok Ma Chau Loop - Investigation

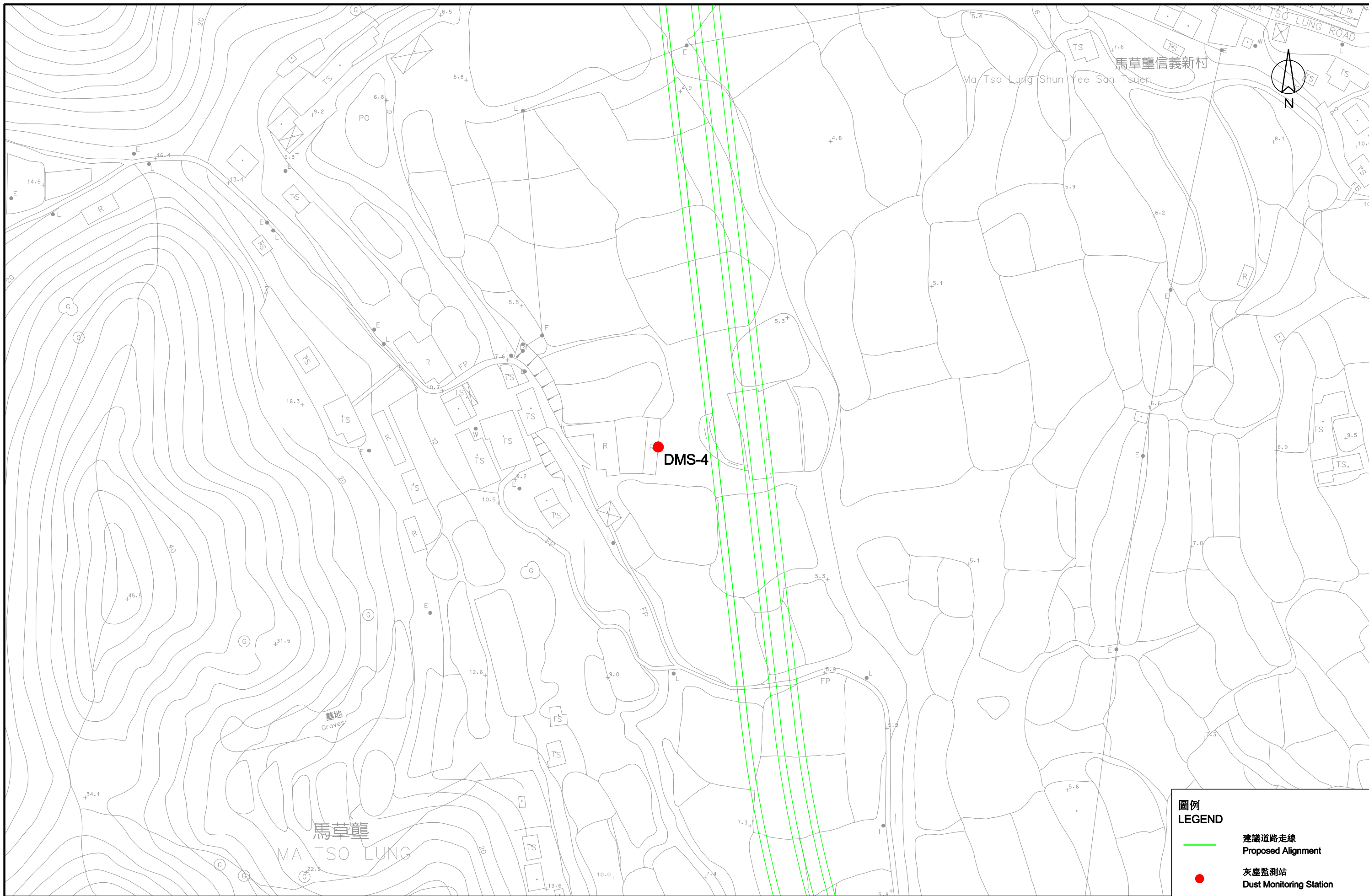
圖則項目 Title
建議灰塵監測站位置 - DMS-2
 Locations of Dust Monitoring Stations - DMS-2

圖則編號 Figure No.
4.1b

圖則 Scale
 1:1000 ON A3

修訂編號 Rev.
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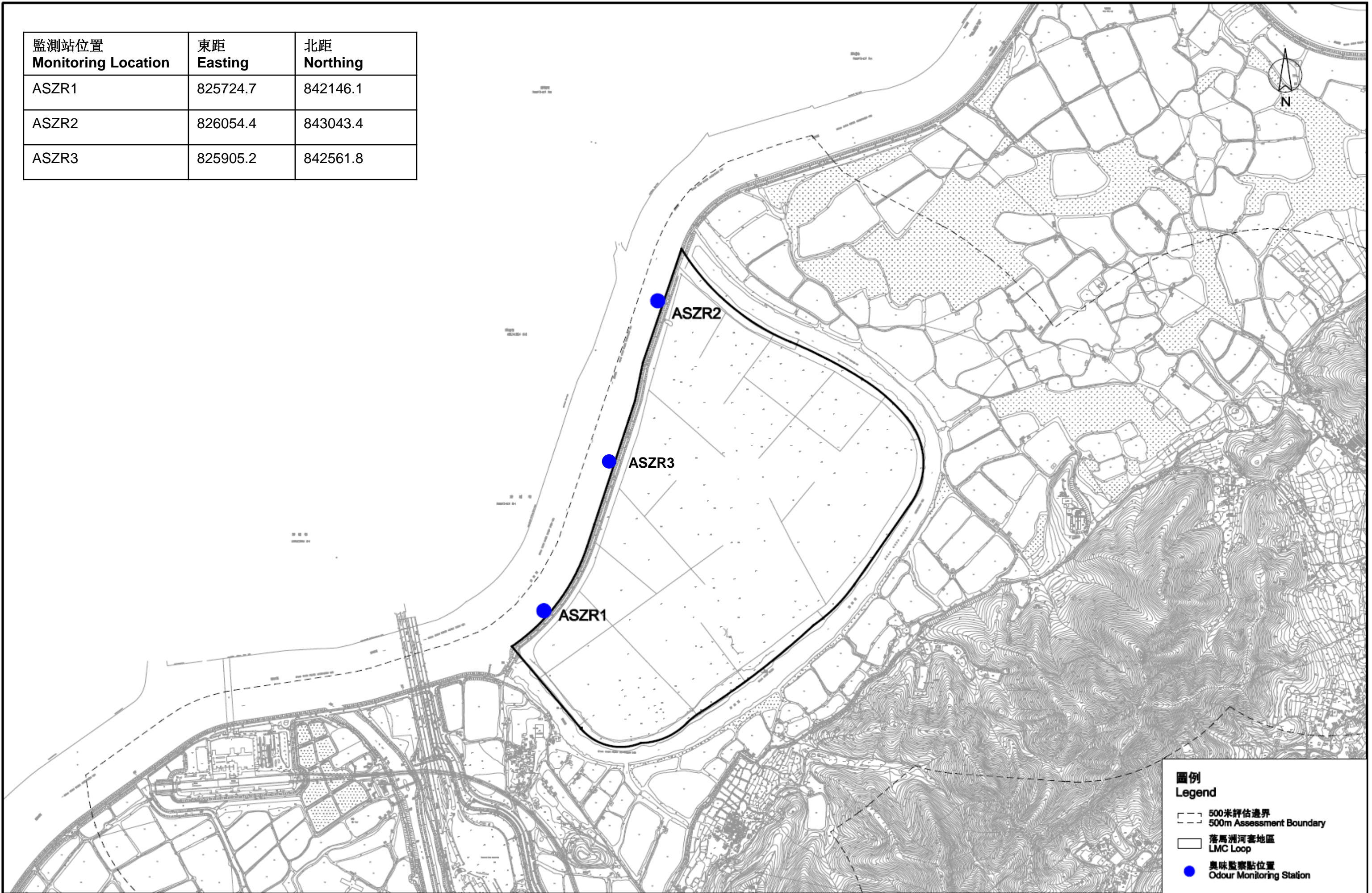




圖例
LEGEND

- 建議道路走線
Proposed Alignment
- 灰塵監測站
Dust Monitoring Station

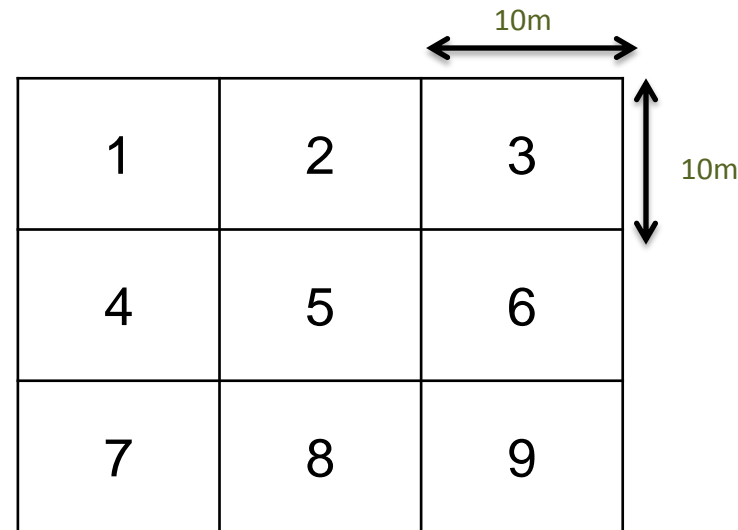
監測站位置 Monitoring Location	東距 Easting	北距 Northing
ASZR1	825724.7	842146.1
ASZR2	826054.4	843043.4
ASZR3	825905.2	842561.8



圖例
Legend

- 500米評估邊界
500m Assessment Boundary
- 落馬洲河套地區
LMC Loop
- 臭味監察點位置
Odour Monitoring Station

• Trial test by applying different dosage of Calcium Nitrate



Grid No.	Dosage
1	0.6N
2	0.7N
3	0.8N
4	0.9N
5	Optimum (N)
6	1.1N
7	1.2N
8	1.3N
9	1.4N

$$\text{Calcium nitrate dosage} = C_{AVS} \times \frac{8}{5} \times \frac{14}{32}$$

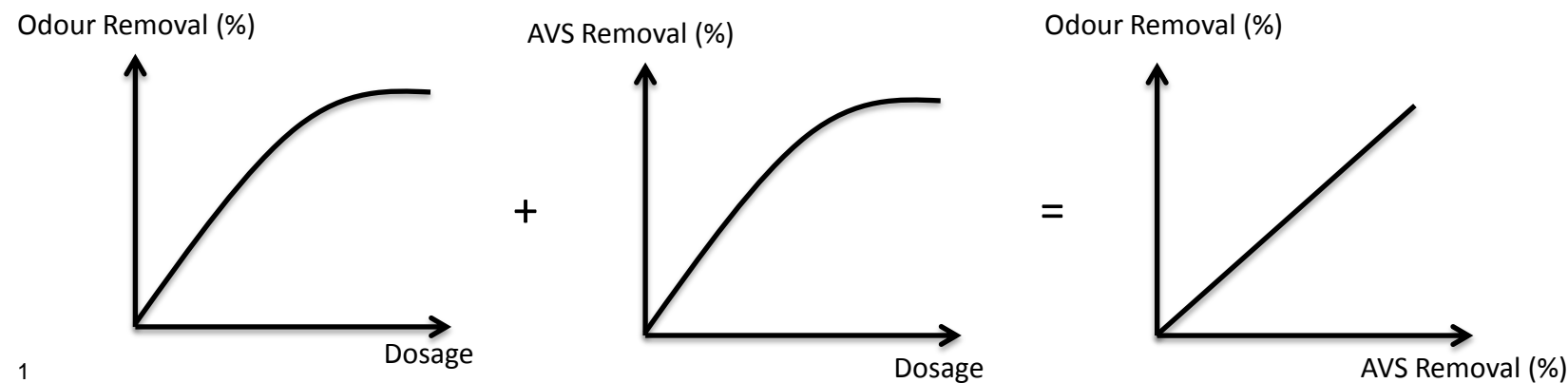
where:

- C_{AVS} = the AVS content in sediment, unit is mg-S/kg dry sediment
- 8 – when HS^- is oxidized to SO_4^{2-} , the valence number change of S is 8
- 5 – when NO_3^- is reduced to N_2 , the valence number change of N is 5
- 14 – molar mass of N
- 32 – molar mass of S

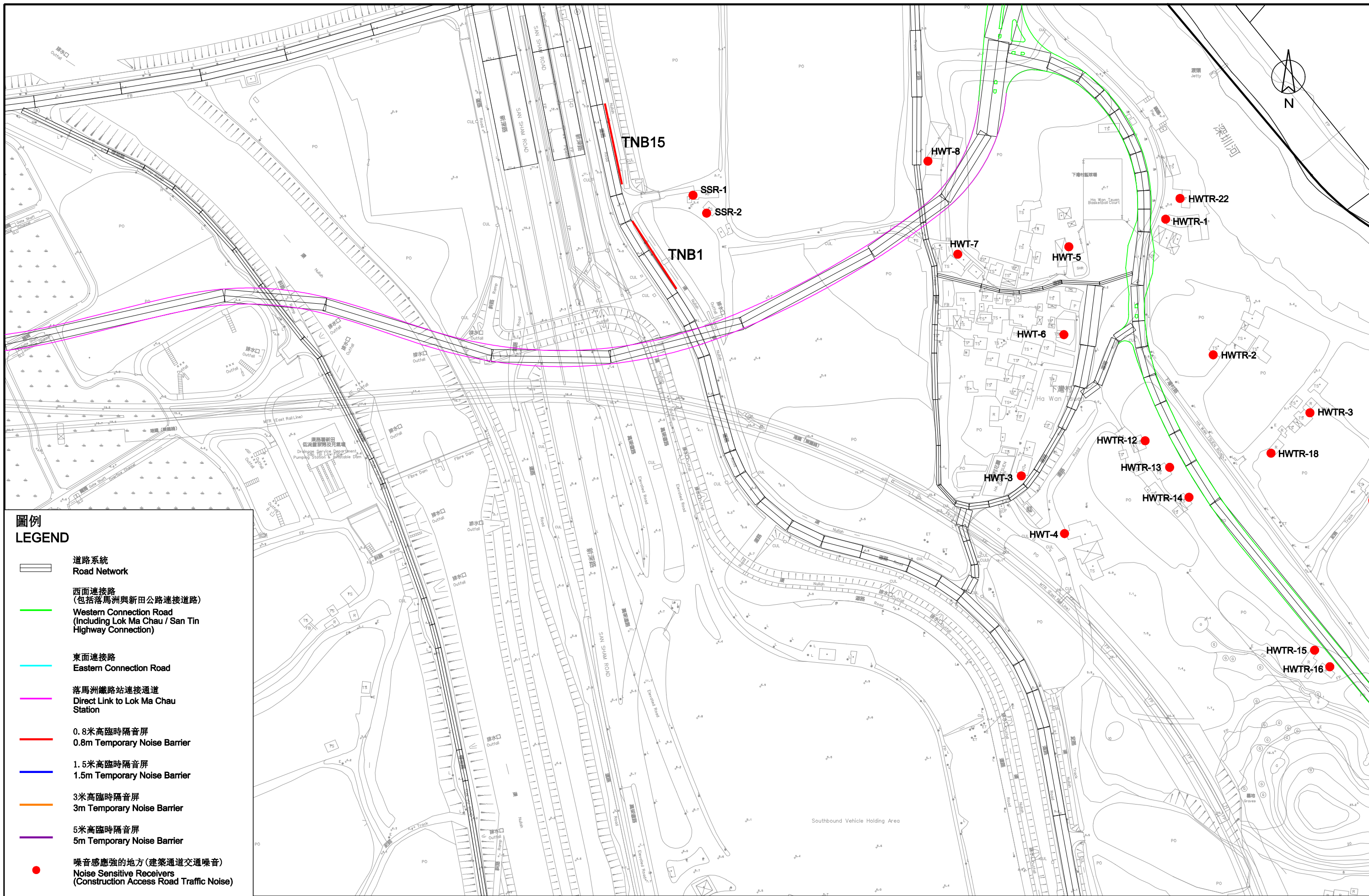
Baseline measure parameters:

- Odour Concentration
- AVS Concentration
- Calcium Nitrate Dosage

• Correlation of odour removal and AVS removal can be derived.

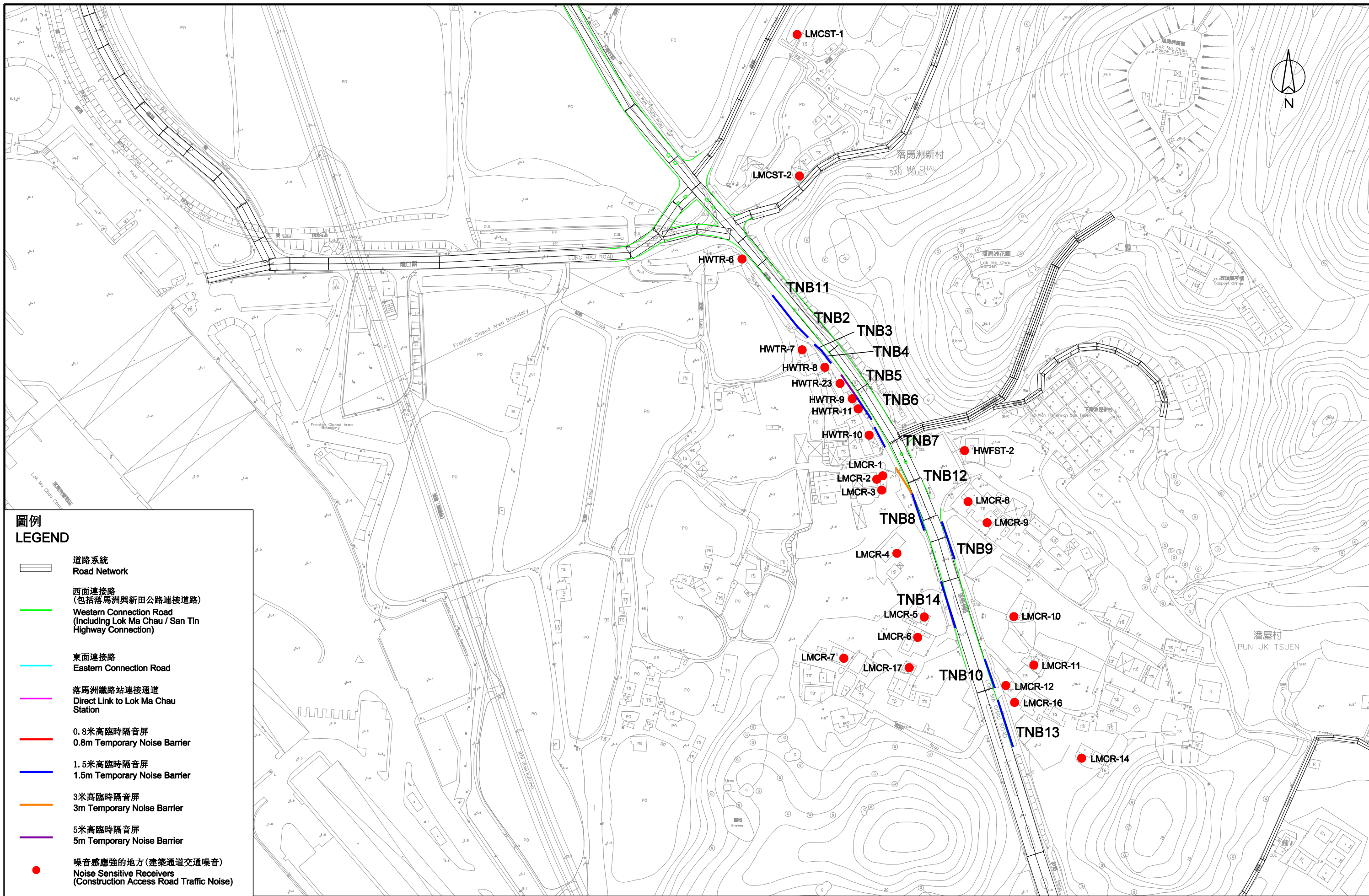


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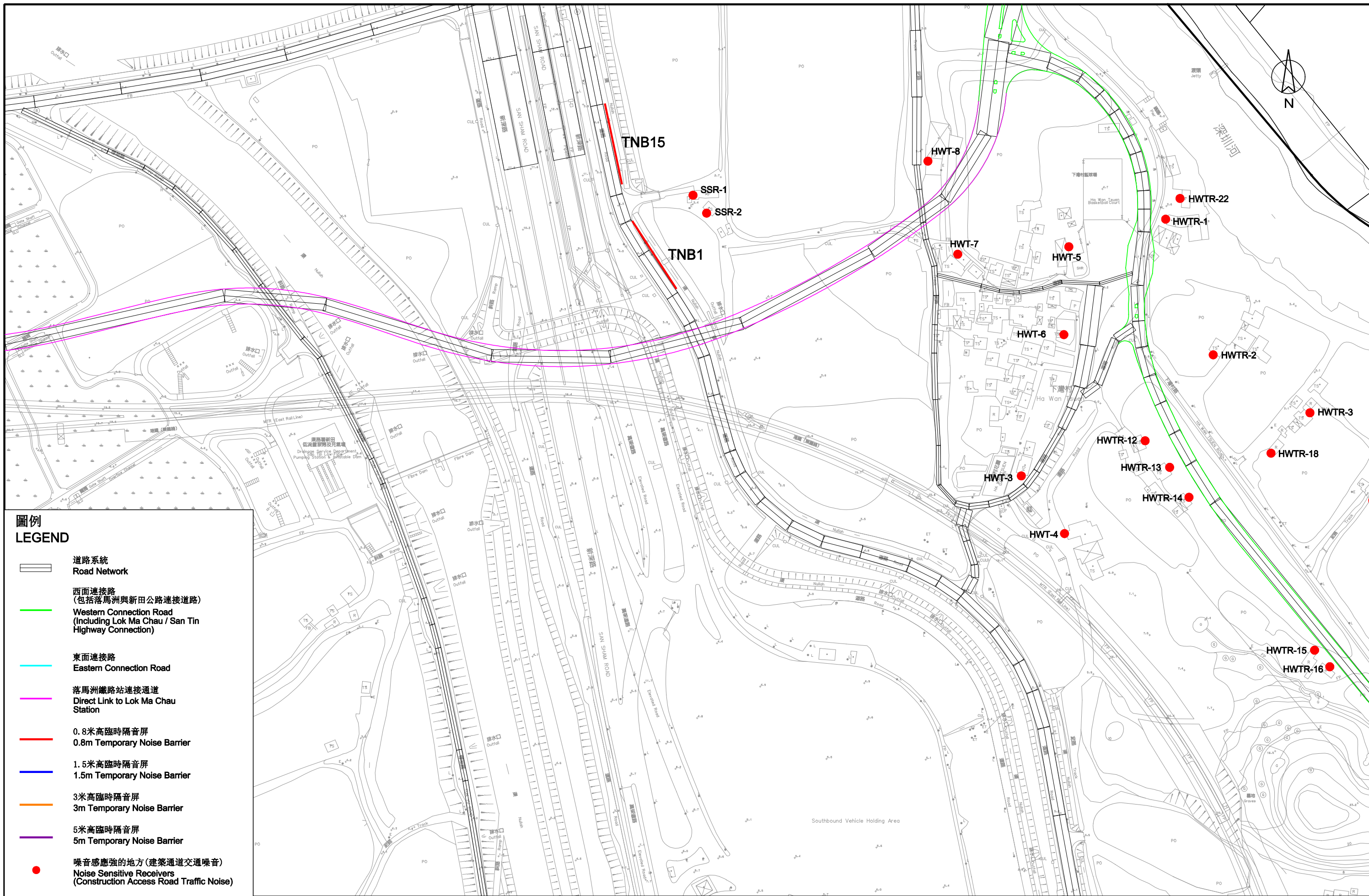
圖例
LEGEND

- 道路系統
Road Network
- 西面連接路
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 0.8米高臨時隔音屏
0.8m Temporary Noise Barrier
- 1.5米高臨時隔音屏
1.5m Temporary Noise Barrier
- 3米高臨時隔音屏
3m Temporary Noise Barrier
- 5米高臨時隔音屏
5m Temporary Noise Barrier
- 噪音感應強的地方 (建築通道交通噪音)
Noise Sensitive Receivers
(Construction Access Road Traffic Noise)



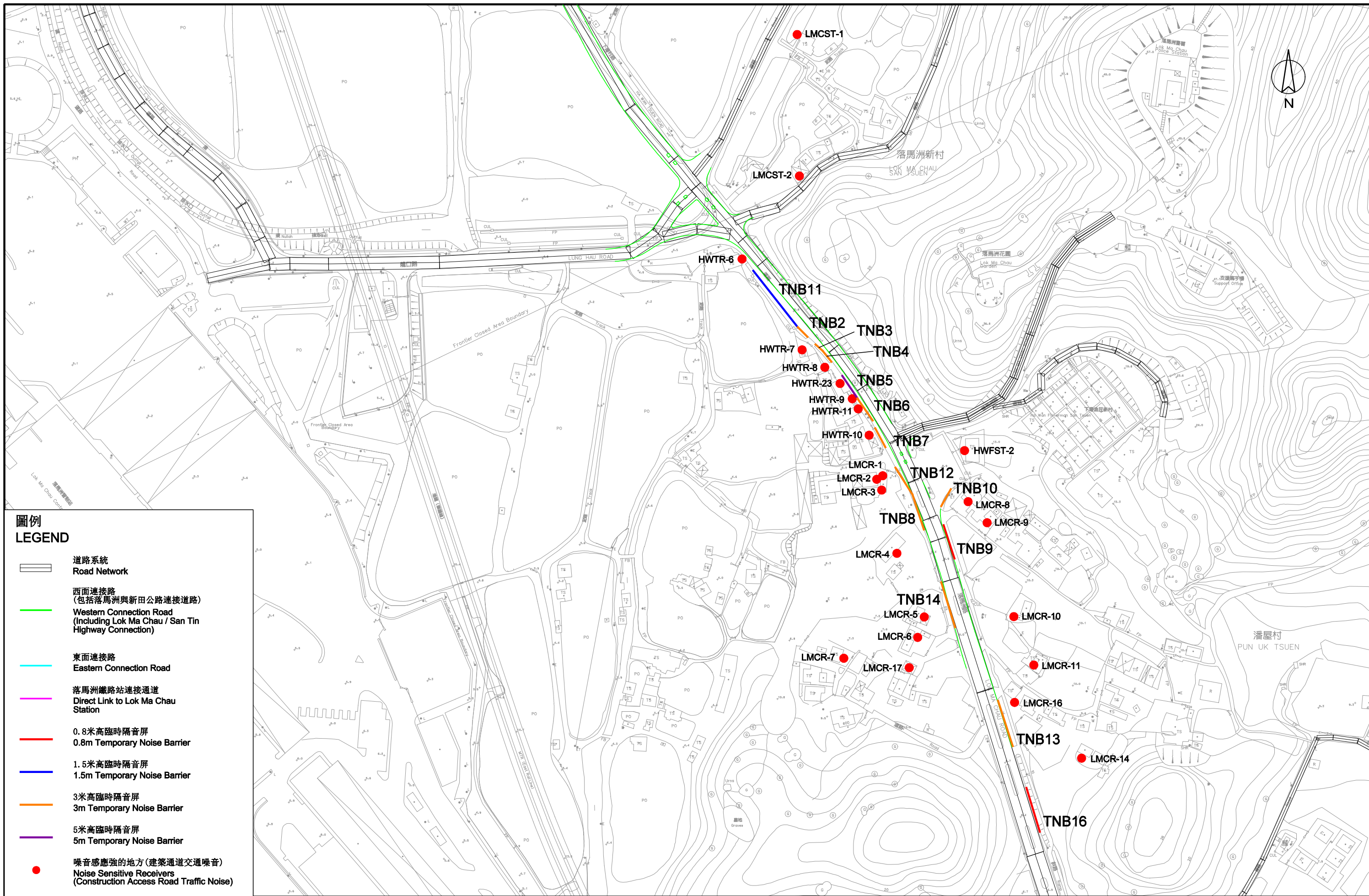
圖例
LEGEND

- 道路系統
Road Network
- 西面連接路
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 0.8米高臨時隔音屏
0.8m Temporary Noise Barrier
- 1.5米高臨時隔音屏
1.5m Temporary Noise Barrier
- 3米高臨時隔音屏
3m Temporary Noise Barrier
- 5米高臨時隔音屏
5m Temporary Noise Barrier
- 噪音感應強地方(建築通道交通噪音)
Noise Sensitive Receivers
(Construction Access Road Traffic Noise)



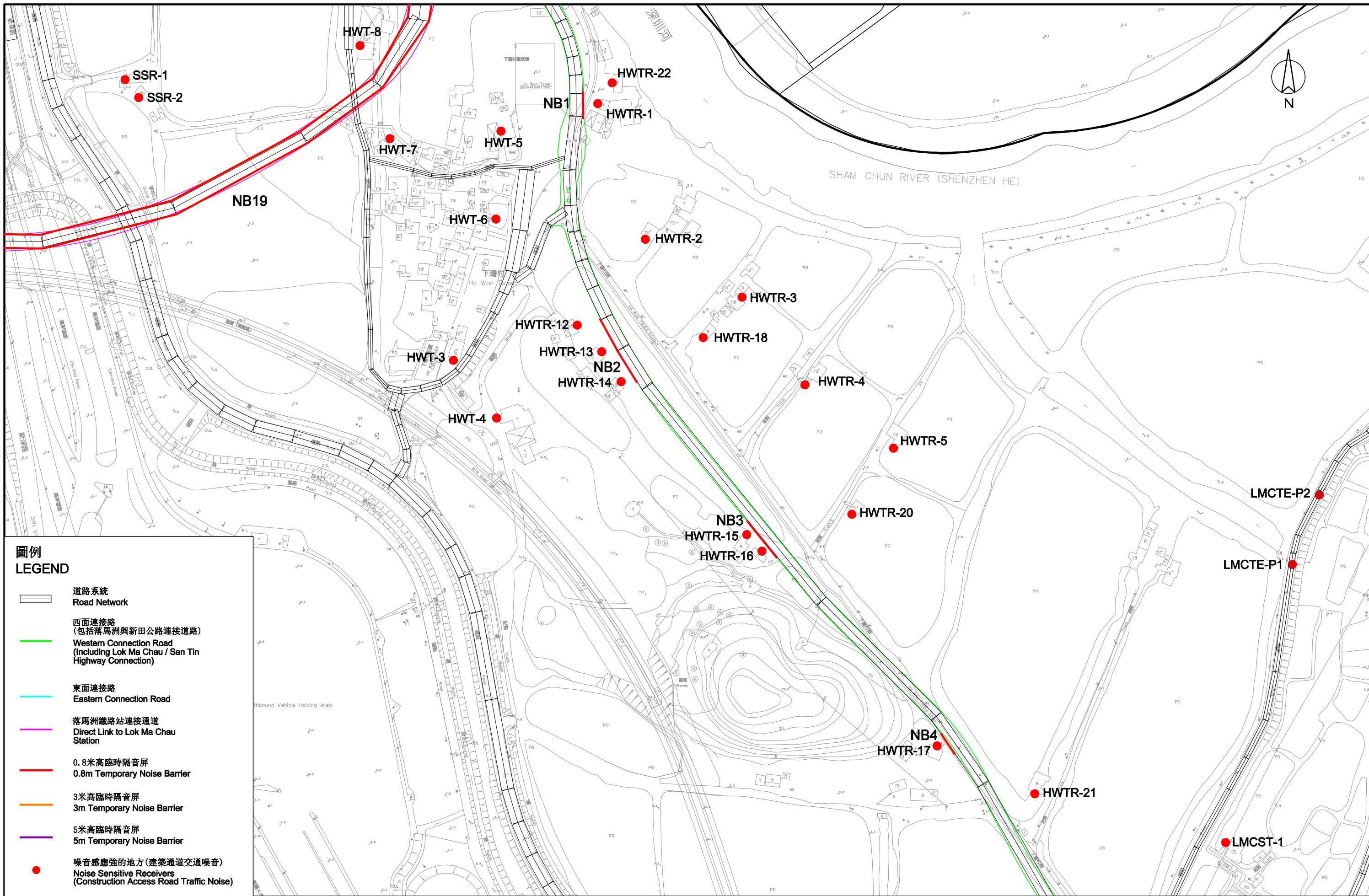
圖例
LEGEND

- 道路系統**
Road Network
- 西面連接路**
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
- 東面連接路**
Eastern Connection Road
- 落馬洲鐵路站連接通道**
Direct Link to Lok Ma Chau Station
- 0.8米高臨時隔音屏**
0.8m Temporary Noise Barrier
- 1.5米高臨時隔音屏**
1.5m Temporary Noise Barrier
- 3米高臨時隔音屏**
3m Temporary Noise Barrier
- 5米高臨時隔音屏**
5m Temporary Noise Barrier
- 噪音感應強的地方 (建築通道交通噪音)**
Noise Sensitive Receivers
(Construction Access Road Traffic Noise)



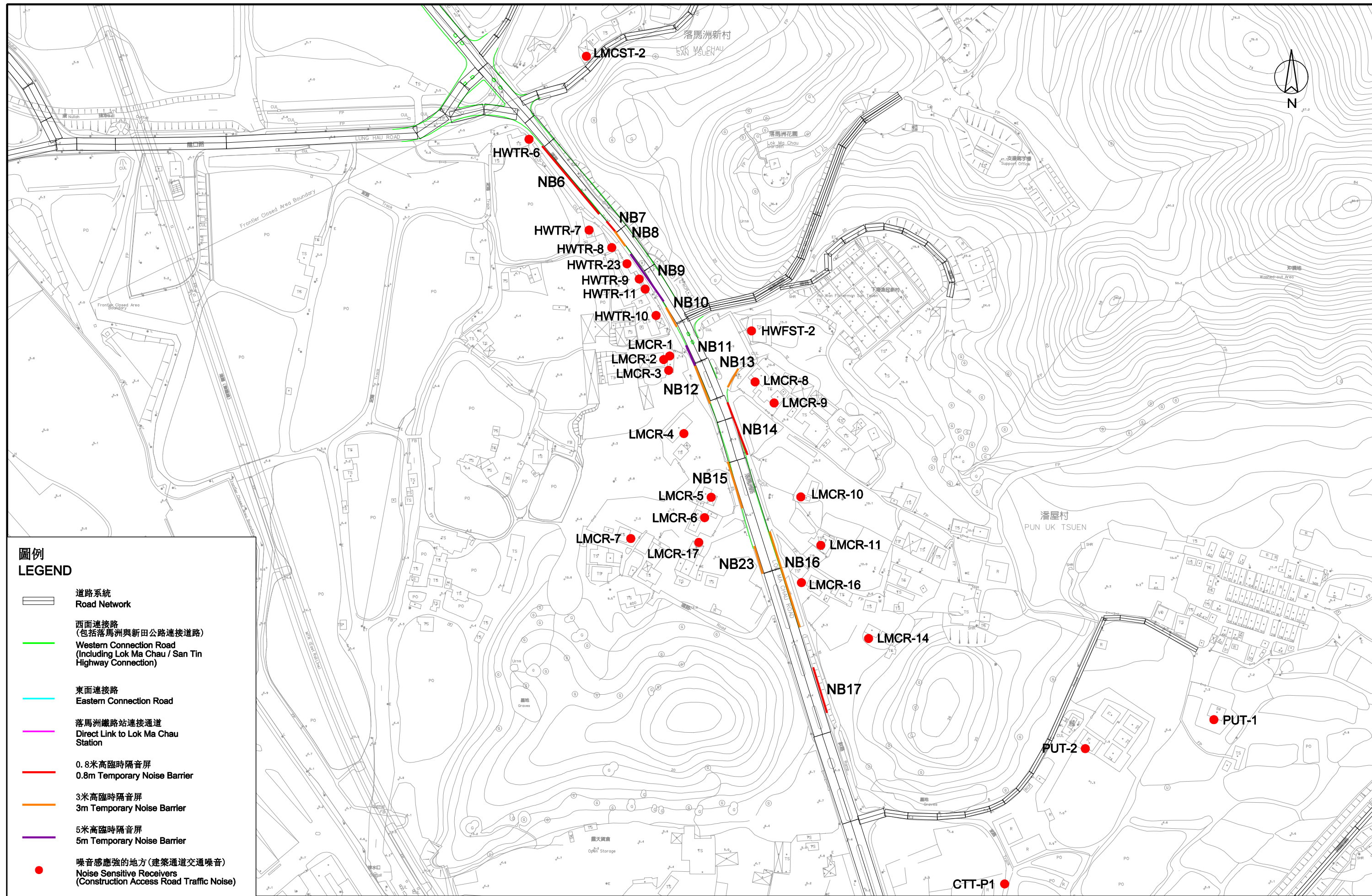
圖例
LEGEND

- 道路系統
Road Network
- 西面連接路
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 0.8米高臨時隔音屏
0.8m Temporary Noise Barrier
- 1.5米高臨時隔音屏
1.5m Temporary Noise Barrier
- 3米高臨時隔音屏
3m Temporary Noise Barrier
- 5米高臨時隔音屏
5m Temporary Noise Barrier
- 噪音感應強地方(建築通道交通噪音)
Noise Sensitive Receivers
(Construction Access Road Traffic Noise)











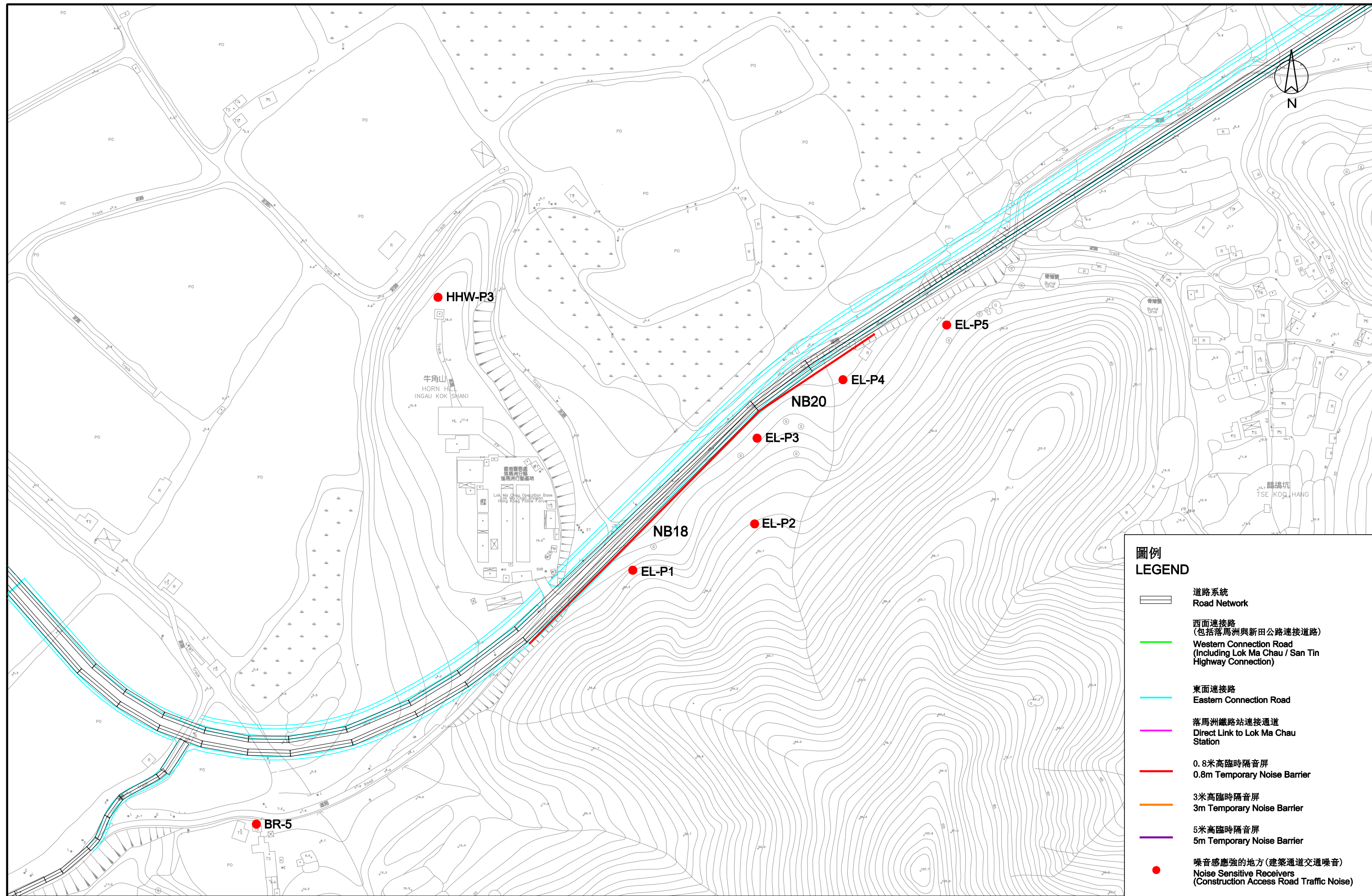
圖例
LEGEND

- 道路系統
Road Network
- 西面連接路
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 0.8米高臨時隔音屏
0.8m Temporary Noise Barrier
- 3米高臨時隔音屏
3m Temporary Noise Barrier
- 5米高臨時隔音屏
5m Temporary Noise Barrier
- 噪音感應強的地方 (建築通道交通噪音)
Noise Sensitive Receivers
(Construction Access Road Traffic Noise)



圖例
LEGEND









-  道路系統
Road Network
-  西面連接路
(包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
-  東面連接路
Eastern Connection Road
-  落馬洲鐵路站連接通道
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-  噪音感應強之地方 (建築通道交通噪音)
Noise Sensitive Receivers
(Construction Access Road Traffic Noise)

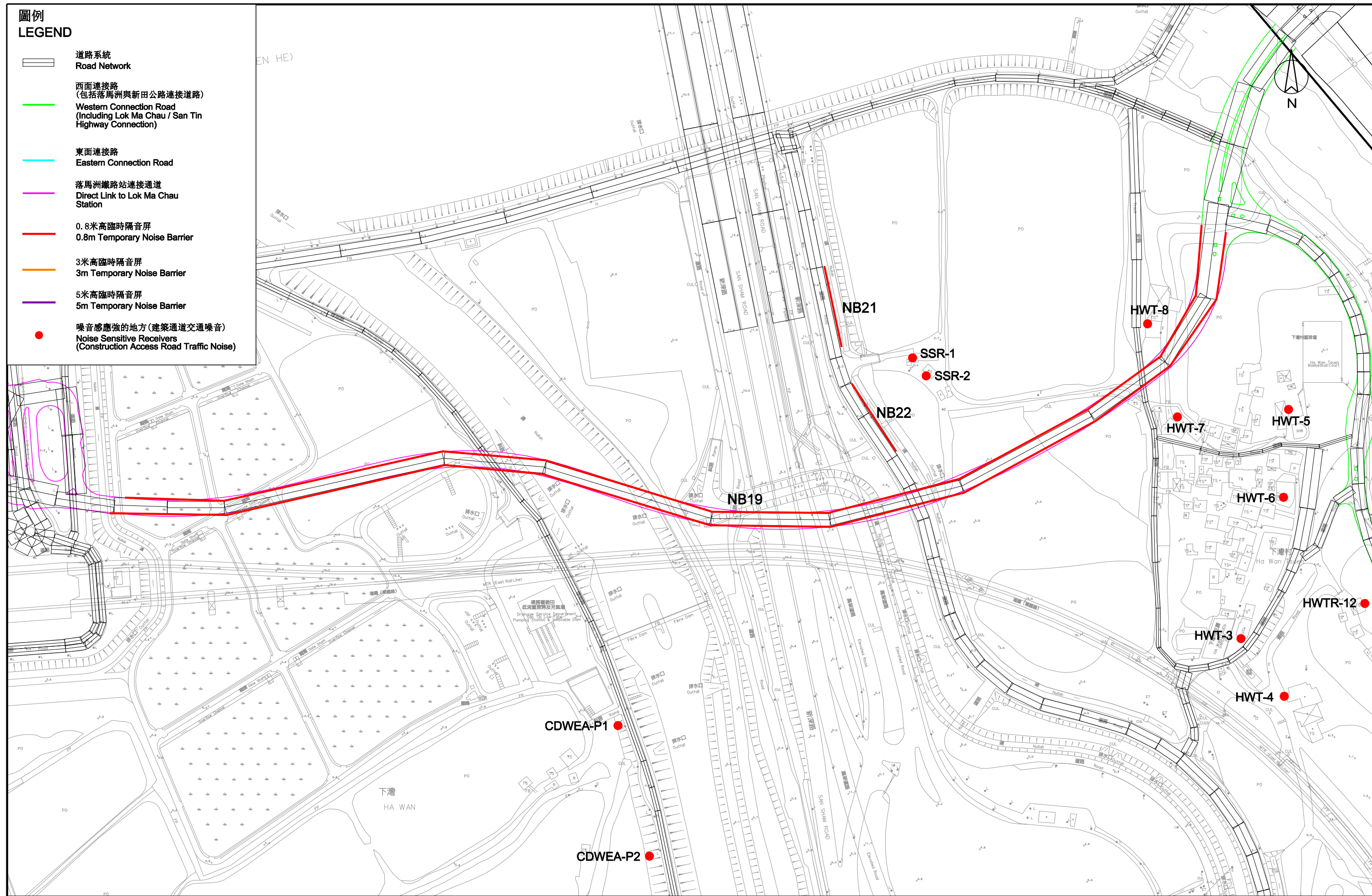


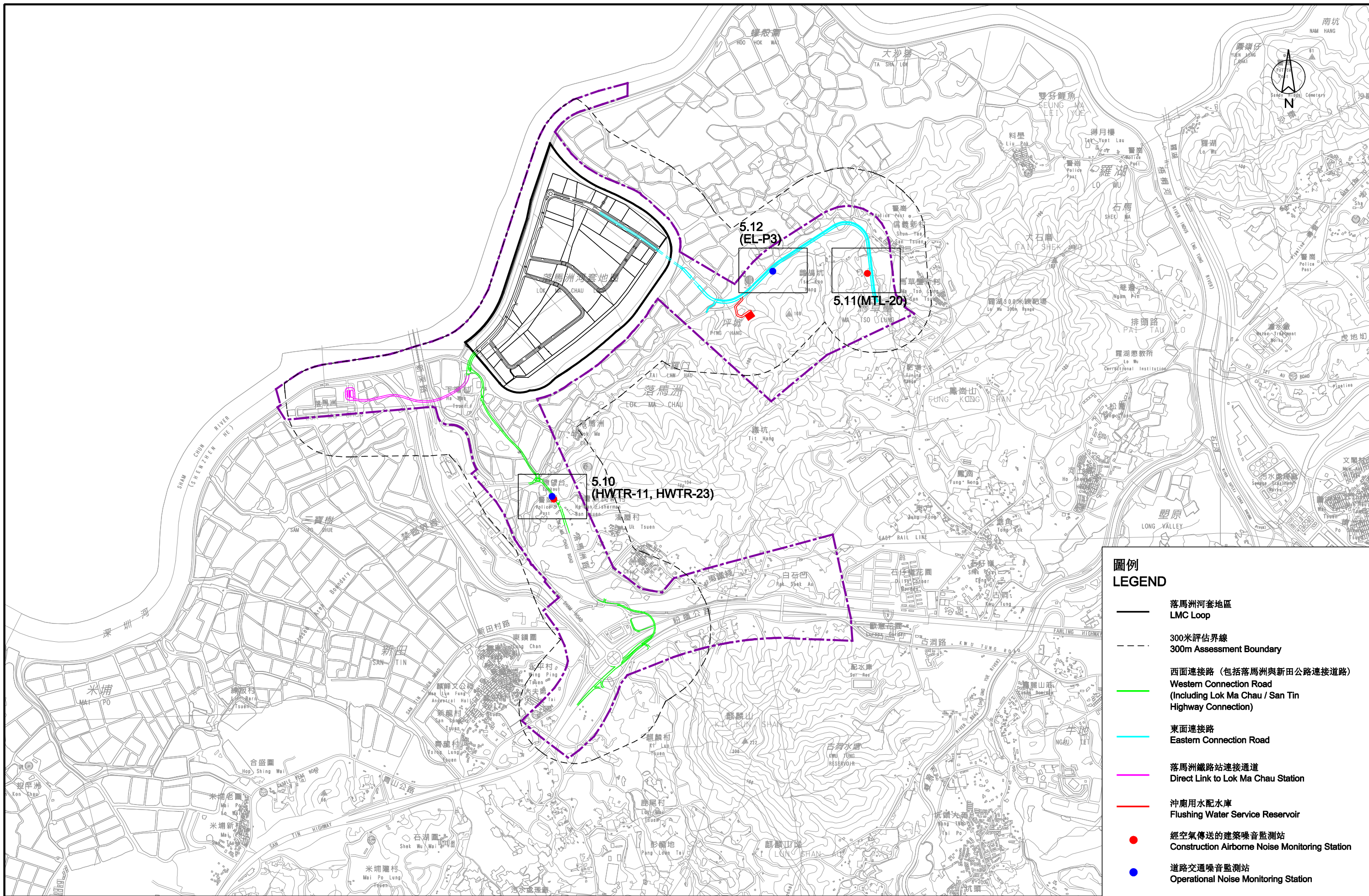
圖例
LEGEND

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Noise Sensitive Receivers
(Construction Access Road Traffic Noise)

圖例
LEGEND

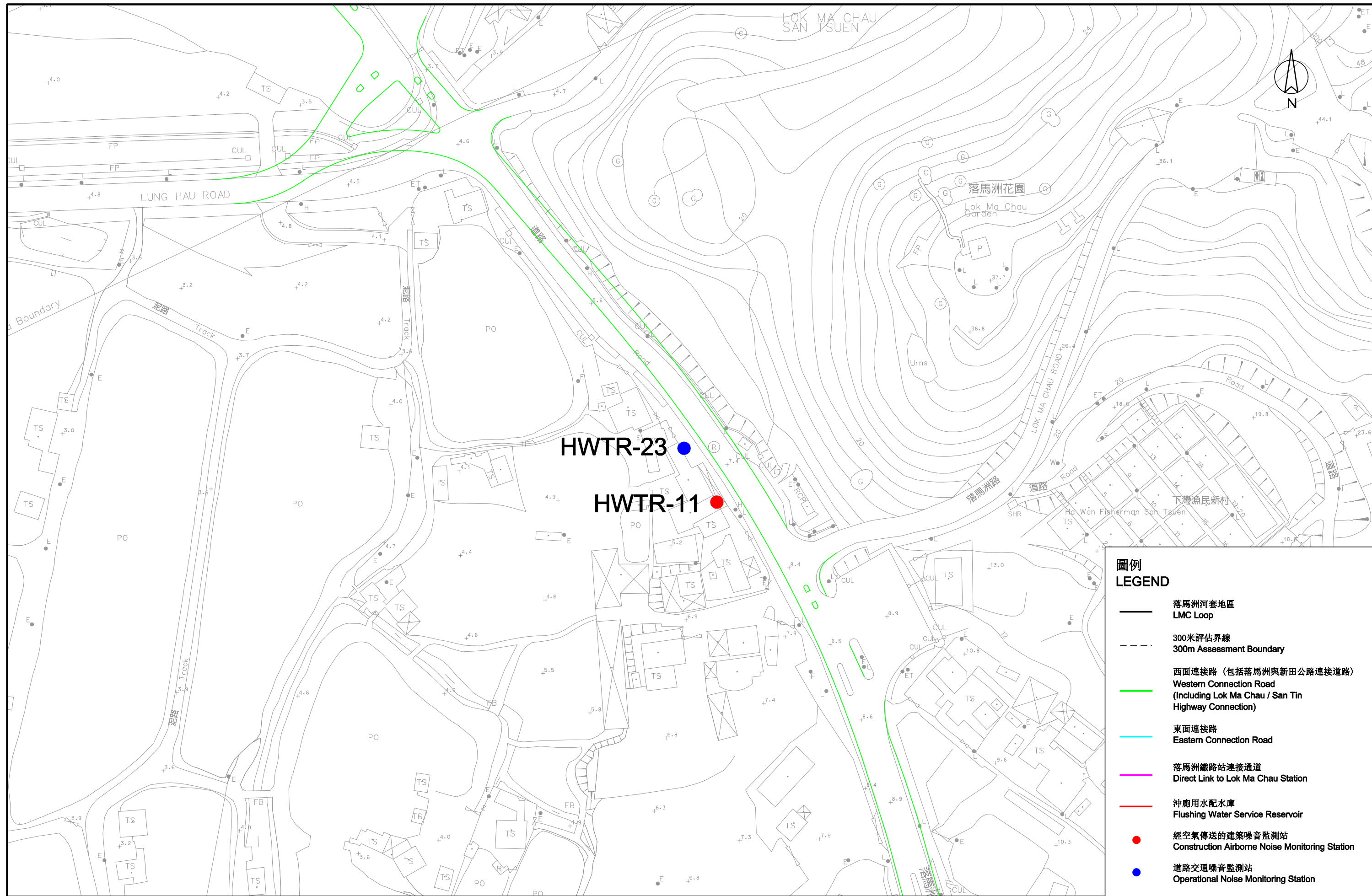
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Road Network
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Noise Sensitive Receivers
(Construction Access Road Traffic Noise)





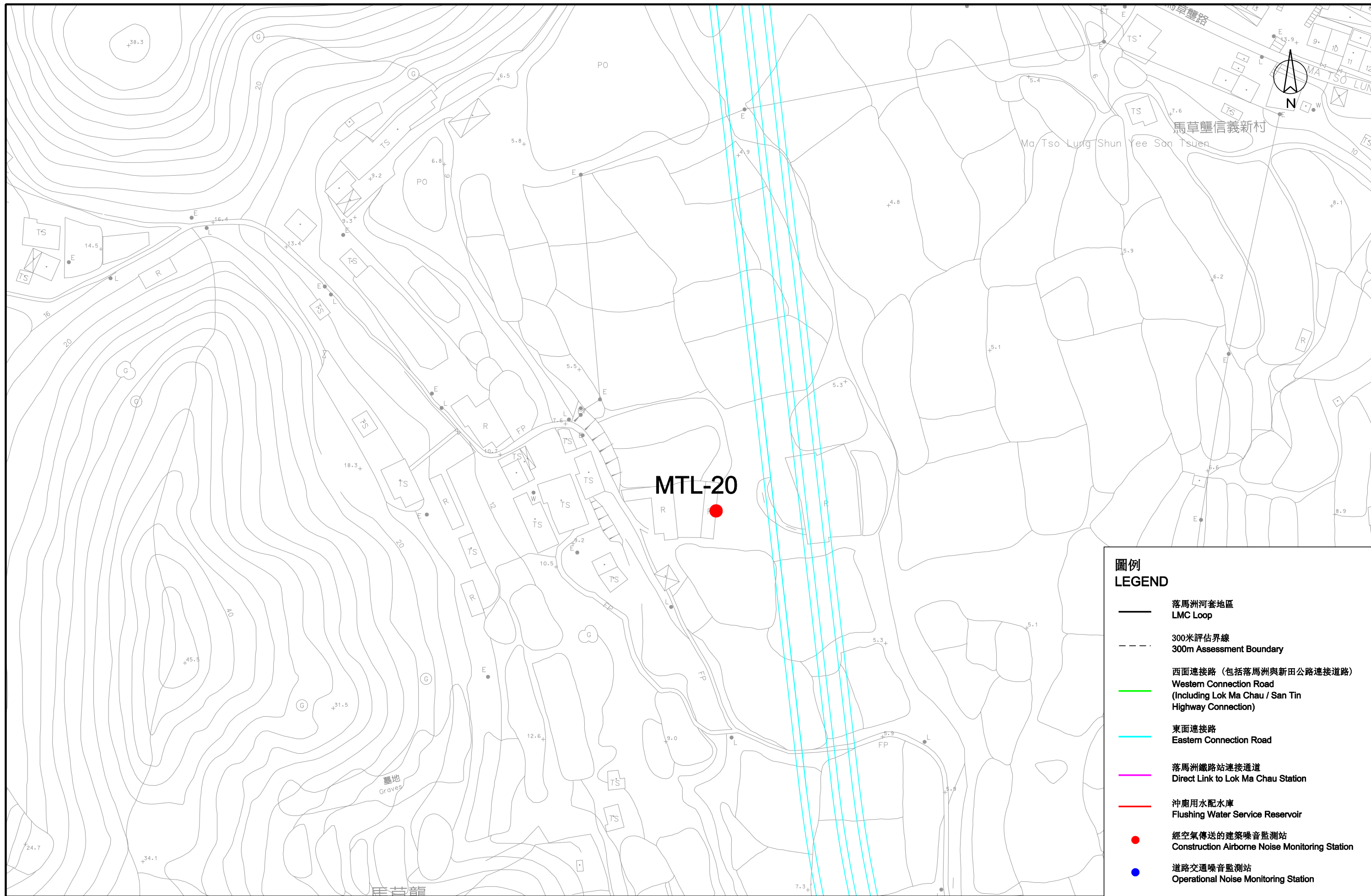
圖例
LEGEND

- 落馬洲河套地區
LMC Loop
- 300米評估界線
300m Assessment Boundary
- 西面連接路 (包括落馬洲與新田公路連接道路)
Western Connection Road
(Including Lok Ma Chau / San Tin Highway Connection)
- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 沖廁用水配水庫
Flushing Water Service Reservoir
- 經空氣傳送的建築噪音監測站
Construction Airborne Noise Monitoring Station
- 道路交通噪音監測站
Operational Noise Monitoring Station



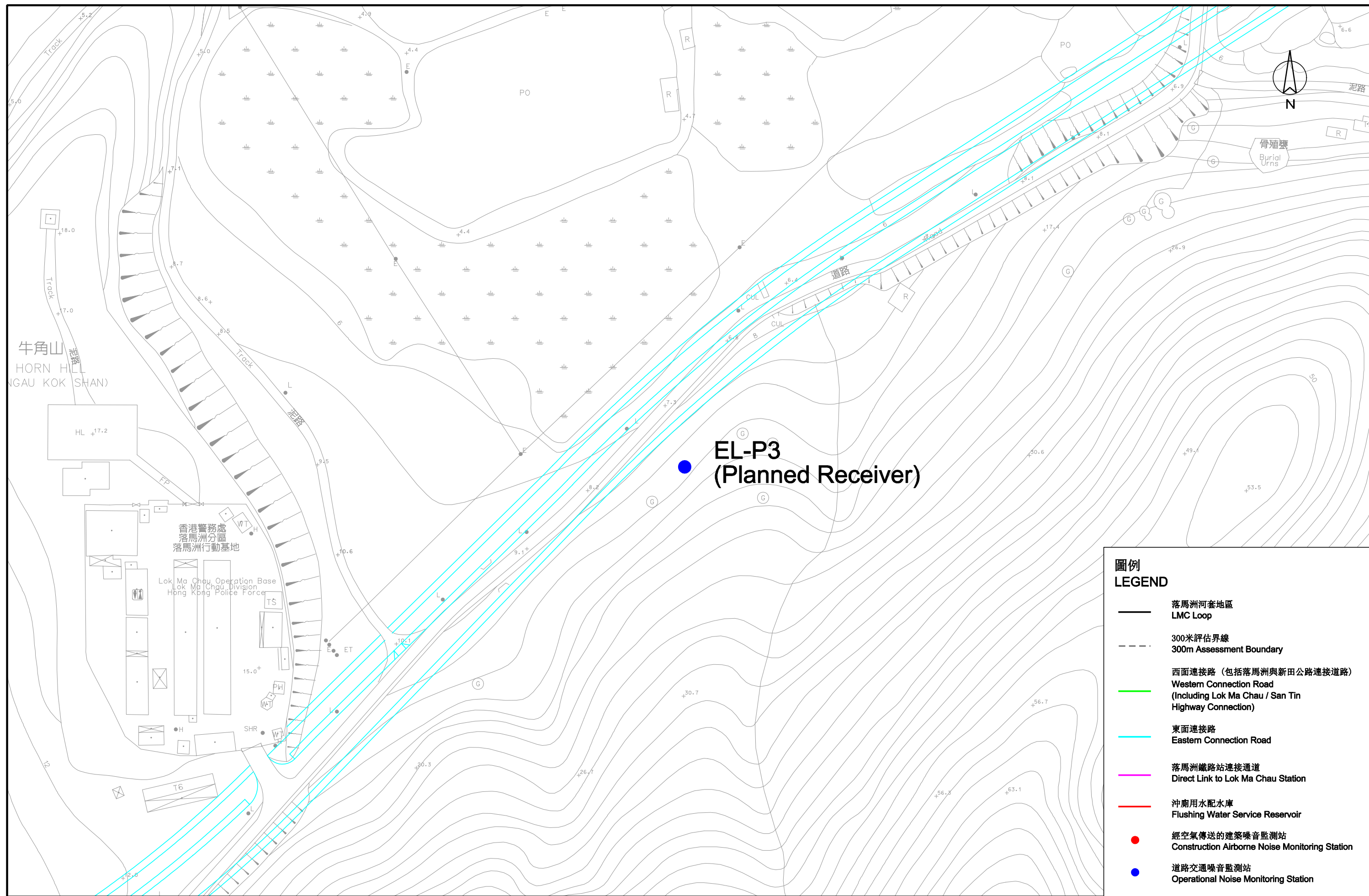
圖例
LEGEND

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LMC Loop
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300m Assessment Boundary
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Direct Link to Lok Ma Chau Station
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Flushing Water Service Reservoir
- 經空氣傳送的建築噪音監測站
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- 道路交通噪音監測站
Operational Noise Monitoring Station



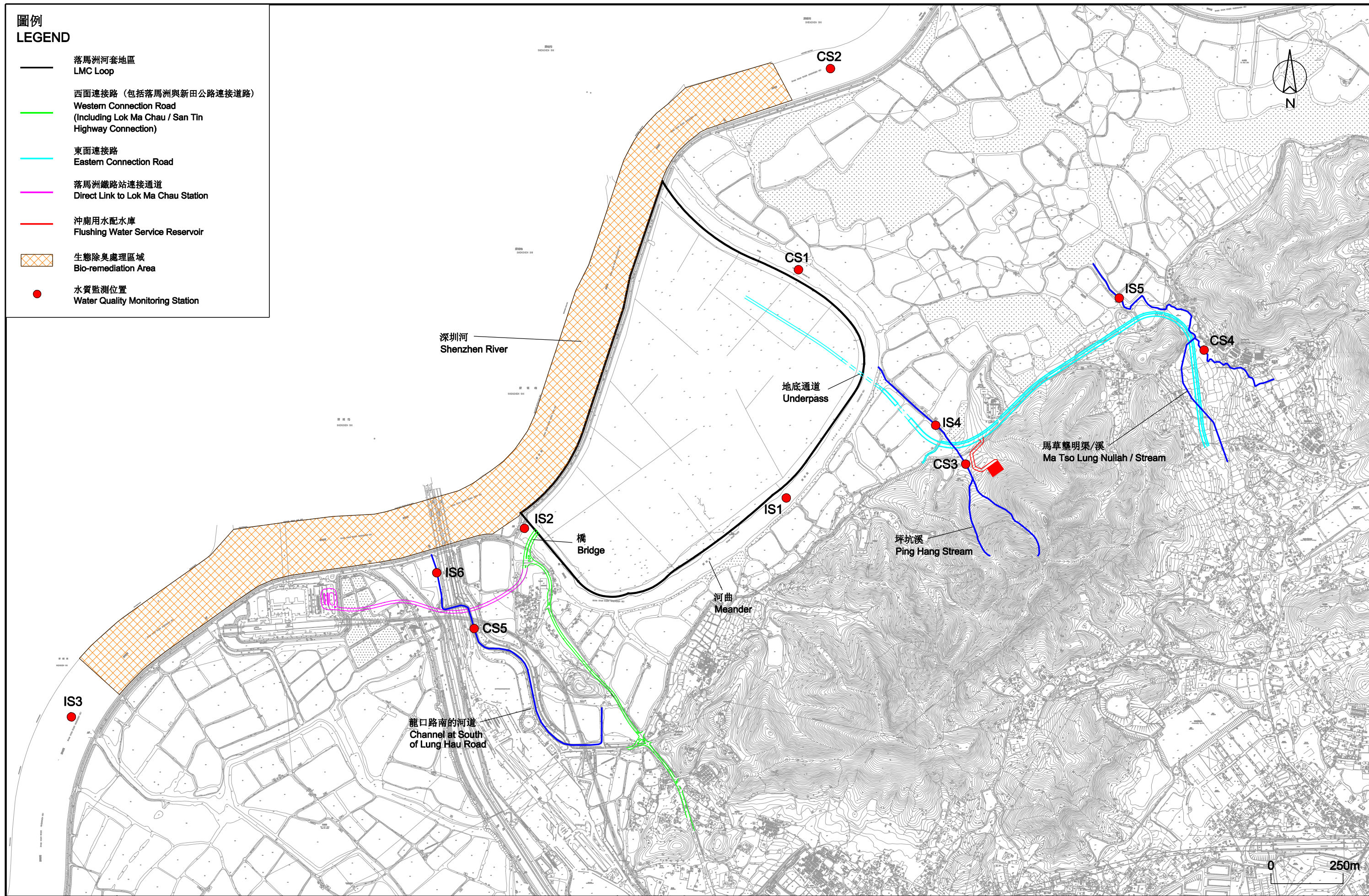
圖例
LEGEND

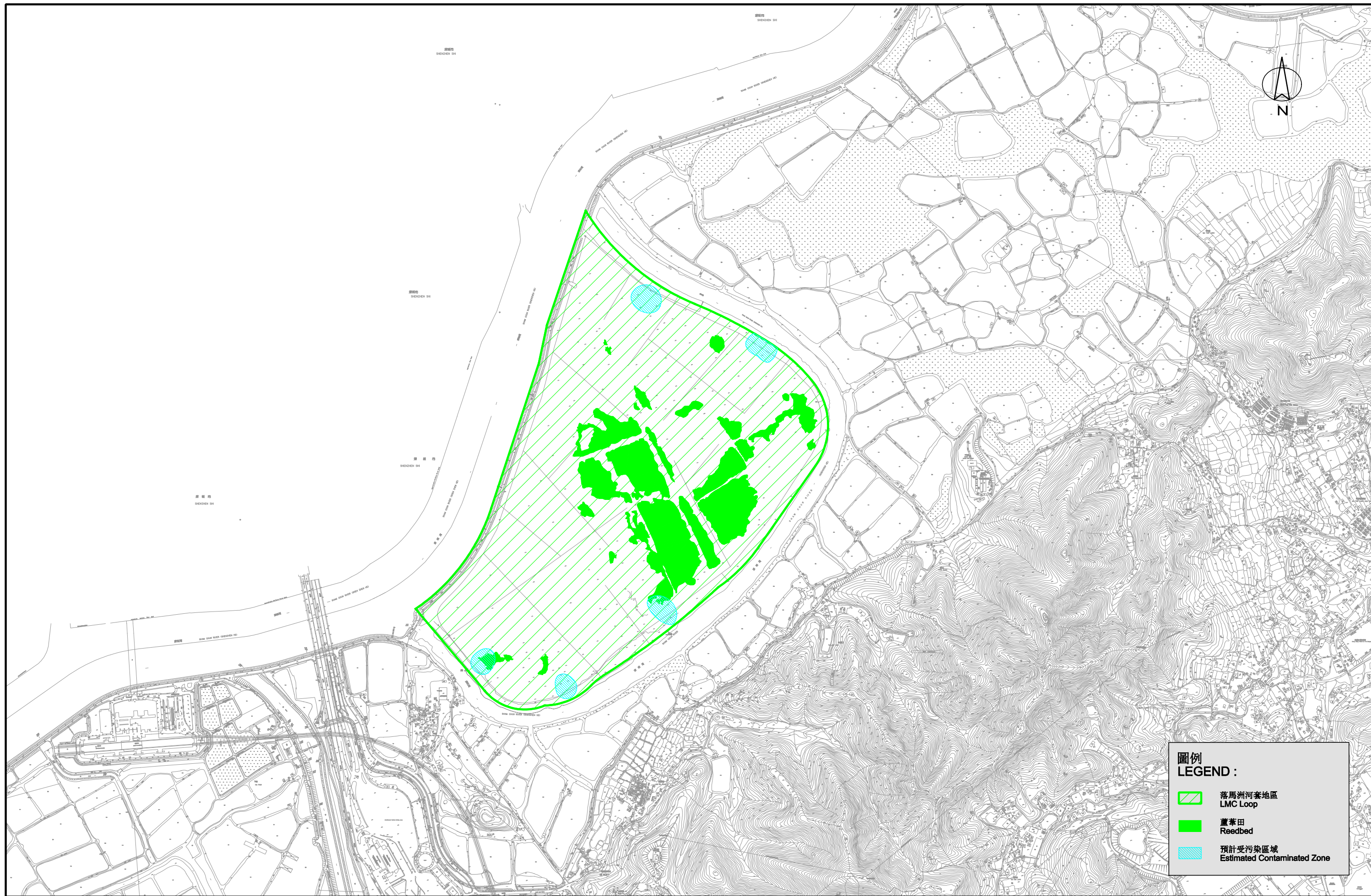
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- 道路交通噪音監測站
Operational Noise Monitoring Station






圖例
LEGEND

- 落馬洲河套地區
LMC Loop
- 西面連接路 (包括落馬洲與新田公路連接道路)
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- 東面連接路
Eastern Connection Road
- 落馬洲鐵路站連接通道
Direct Link to Lok Ma Chau Station
- 沖廁用水配水庫
Flushing Water Service Reservoir
- 生態除臭處理區域
Bio-remediation Area
- 水質監測位置
Water Quality Monitoring Station





圖例
LEGEND :

-  落馬洲河套地區
LMC Loop
-  蘆葦田
Reedbed
-  預計受污染區域
Estimated Contaminated Zone



Area 2
地區 2
Fishpond 6.00 ha
魚塘6.00公頃

Marsh 1.95 ha
沼澤1.95公頃

Ecological Area
生態區

Area 4
地區 4
Fishpond 3.10 ha
魚塘3.10公頃

Area 7
地區 7
Fishpond 3.45 ha
魚塘3.45公頃

Area 9
地區 9
Fishpond 7.00 ha
魚塘7.00公頃



位置圖
Location Plan

香港特別行政區邊界
HKSAR Boundary