

**Section 16 Planning Application for Proposed Minor Relaxation of the
Maximum Domestic GFA of Site B for the Urban Renewal Authority
Sai Yee Street/ Flower Market Road Development Scheme
("YTM-013"), Mong Kok, Kowloon**

**Water Supply Impact Assessment
(V1.0)**

June 2026

Approved By 
(Project Manager: K.S. Lee)

REMARKS:

The information supplied and contained within this report is, to the best of our knowledge, correct at the time of printing.

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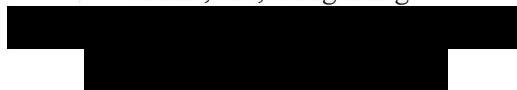


TABLE OF CONTENTS

1	INTRODUCTION	1
1.1	BACKGROUND.....	1
2	DESCRIPTION OF THE ENVIRONMENT	2
2.1	EXISTING ENVIRONMENT	2
2.2	THE PROPOSED DEVELOPMENT.....	2
3	WATER SUPPLY IMPACT ASSESSMENT – FRESHWATER	7
3.1	EXISTING FRESHWATER SUPPLY	7
3.2	FRESHWATER DEMAND.....	7
3.3	FRESHWATER SUPPLY IMPACT - HO MAN TIN EAST FWSR & HO MAN TIN WEST FWSR	8
3.4	FRESHWATER SUPPLY IMPACT - FRESH WATER MAINS (SITE A1).....	8
3.5	FRESHWATER SUPPLY IMPACT - FRESH WATER MAINS (SITES A2 TO A5)	9
3.6	FRESHWATER SUPPLY IMPACT - FRESH WATER MAINS (SITE B)	9
3.7	FRESHWATER SUPPLY IMPACT - PROPOSED PEDESTRIAN SUBWAYS.....	9
4	WATER SUPPLY IMPACT ASSESSMENT – SALTWATER.....	10
4.1	EXISTING SALTWATER SUPPLY	10
4.2	SALTWATER SUPPLY IMPACT.....	10
4.3	SALTWATER SUPPLY IMPACT - CHEUNG SHA WAN SWPS	11
4.4	SALTWATER SUPPLY IMPACT - SALTWATER MAINS (SITE A1)	11
4.5	SALTWATER SUPPLY IMPACT - SALTWATER MAINS (SITES A2 TO A5).....	11
4.6	SALTWATER SUPPLY IMPACT - SALTWATER MAINS (SITE B)	11
4.7	SALTWATER SUPPLY IMPACT - PROPOSED PEDESTRIAN SUBWAYS.....	12
5	SUMMARY AND THE FUTURE WORKS	13
5.2	CONSTRUCTION AND MAINTENANCE	14
6	CONCLUSION	14

LIST OF FIGURES

Figure 1-1	Site Location Plan
Figure 3-1a	Fresh Water Mains in the Vicinity (Overview)
Figure 3-1b	Fresh Water Mains in the Vicinity (Site A1)
Figure 3-1c	Fresh Water Mains in the Vicinity (Sites A2 to A5)
Figure 3-1d	Fresh Water Mains in the Vicinity (Site B)
Figure 3-2a	Salt Water Mains in the Vicinity (Overview)
Figure 3-2b	Salt Water Mains in the Vicinity (Site A1)
Figure 3-2c	Salt Water Mains in the Vicinity (Sites A2 to A5)
Figure 3-2d	Salt Water Mains in the Vicinity (Site B)

LIST OF TABLES

Table 2-1	Development Parameters of the Notion Design (Site A)
Table 2-2	Development Parameters of the Notion Design (Site B)
Table 3-1	Summary of Fresh Water Demand
Table 4-1	Summary of Salt Water Demand
Table 5-1	Summary of Freshwater/Saltwater Mains to be Demolished
Table 5-2	Summary of Proposed New Freshwater/Saltwater Mains

LIST OF APPENDICES

Appendix 2-1	Notional Plan of the Proposed Development
Appendix 2-2	Fresh Water Mains Record Plan
Appendix 2-3	Salt Water Mains Record Plan
Appendix 3-1	Detailed Water Demand Calculation

1 INTRODUCTION

1.1 Background

- 1.1.1 The Urban Renewal Authority (URA) has proposed the Sai Yee Street / Flower Market Road Development Scheme (YTM-013) (the Scheme) under Section 25 of the Urban Renewal Authority Ordinance (URAO). The Chief Executive in Council (CE in C) approved the draft Development Scheme Plan (DSP) on April 8, 2025, and published this decision in the Government Gazette on 17th April 2025. The approved DSP No. S/K3/URA5/2 was exhibited for public inspection on the same day.
- 1.1.2 To optimize the utilization of the Scheme area and in view to the current unoptimistic office market sentiment with a high office vacancy rate and the Government’s directive of suspending the sales of commercial sites, the URA proposes to increase the maximum domestic Gross Floor Area (GFA) to allow flexibility for future development to meet the market needs and enhance market attractiveness of the Scheme. A Section 16 planning application (S.16 Application) is proposed to seek for minor relaxation of domestic GFA in Sub-area (1) of Site B (the whole Site B as the Application Site), zoned as “OU(MU)2” from 46,605 m² (equivalent to a Domestic Plot Ratio (DPR) 6.5) to 53,775 m² (equivalent to a DPR 7.5), while keeping the total maximum GFA of Site B unchanged. The Application Site of the current S.16 Application will only cover Site B of the approved DSP. **Figure 1-1** shows the Application Site of the current S.16 Application.
- 1.1.3 This S.16 Application is a non-scheme-based submission. The notional design is prepared based on the proposed minor relaxation of the Approved DSP parameters. Under the non-scheme-based approach, the notional design and indicative development parameters provided are only for illustrative purposes and for conducting necessary technical assessments to demonstrate the impacts of the proposed minor relaxation. Except for any planning condition(s) to be imposed, the design of the future development will not be bounded by the notional design submitted in the S.16 Application.
- 1.1.4 Cinotech Consultants Limited has been commissioned by the URA to conduct a Water Supply Impact Assessment (WSIA) to support the submission of the S.16 Application to the Town Planning Board (TPB) for consideration.

2 DESCRIPTION OF THE ENVIRONMENT

2.1 Existing Environment

- 2.1.1 To demonstrate the complete picture of the future development in the urban context, the assessment will describe the proposed development of the whole DSP (i.e. both Site A and Site B) (the Scheme). The Scheme is located in the northeastern part of Mong Kok. With a total gross site area of 29,315m², the Scheme is divided into Site A (about 4,445m²) and Site B (about 24,870m²). The location of the Scheme is shown on **Figure 1-1**.
- 2.1.2 Site B of the Scheme (the Application Site) is currently occupied by various leisure, recreation and GIC facilities, including Boundary Sports Centre No.1 and No.2, Boundary Street Recreation Ground, Sai Yee Street Children’s Playground, Boundary Street Amenity Plot, Boundary Street Sports Centres, Sai Yee Street (Flower Market Road) Refuse Collection Point, Sai Yee Street Public Toilet, Leisure and Cultural Services Department (“LCSD”) Boundary Street Plant Nursery and CLP Power Hong Kong Limited Boundary Street Sports Ground Substation. In addition, Site B also includes the whole of Flower Market Path, which is a public footpath.
- 2.1.3 Site A of the Scheme (not forming the Application Site) comprises five sub-areas, named Sites A1 to A5 respectively. All five sub-areas of Site A are currently occupied by low-rise residential/ composite buildings aged 60 and above.

2.2 The Proposed Development

Approved DSP and S.16 Application

- 2.2.1 According to the approved DSP of the Scheme, Site B, the Application Site, is zoned “Other Specified Uses (Mixed Uses) 2” (“OU(MU)2”), and is further divided into Sub-area (1) and Sub area (2). Sub-area (1) of Site B will be for a high-rise development with a maximum domestic gross floor area (“GFA”) of 46,605m² and a total GFA of 64,530 m², as well as a building height restriction (“BHR”) of 150mPD adopting a stepped height profile. Sub-area (2) of “OU(MU)2” zone comprises the Waterway Park and ancillary retail/ commercial uses and LCDS’s sports/ GIC facilities with a BHR of 30mPD. It has a maximum non-domestic GFA of 8,955 m²
- 2.2.2 Site A (not forming the Application Site) is zoned “Other Specified Uses (Mixed Use) 1” (“OU(MU)1”) and it consists of 5 Sub-areas – Sub-areas (1) to (5) (i.e. Sites A1 – A5). Site A1 will be developed for residential development cum commercial podium, with a BHR of 150mPD. Open space and 1-storey retail shops will be provided at Sites A2 to A5.
- 2.2.3 Under this minor relaxation application, the maximum domestic GFA of Sub-area (1) in Site B is proposed to increase from 46,605m² to approximately 53,775m², equivalent to an increase in DPR from 6.5 to 7.5 (see **Table 2-1**). The total GFA for Sub-area (1) remains at 64,530m² (PR = 9.0). The development parameters of Sub-area (2) of Site B remain the same as the under the previously endorsed DSP.

Comparison between the Approved DSP and Current S.16 Application Proposal (Site B)

- 2.2.4 A comparison between the development parameters of the approved DSP and that of the S.16 Application is provided in **Table 2-1** below.

Table 2-1 Comparison between the Approved DSP and the Current S.16 Application Proposal (Site B)

Development Parameters of Site B	Approved DSP [A]			Current S.16 Application [B]			Difference [B] – [A] (% change)
Zoning	OU(MU)2			OU(MU)2			N/A
Gross Site Area (m ²)	About 24,870			About 24,870			N/A
	Sub-area (1)	Sub-area (2)	Total [A]	Sub-area (1)	Sub-area (2)	Total [B]	
Net Site Area (m²) (for PR Calculation) [1]	About 7,170	About 17,700	About 24,870	About 7,170	About 17,700	About 24,870	N/A
Maximum GFA							
-Total GFA (m ²)	64,530	8,955	73,485	64,530	8,955	73,485	N/A
-Domestic GFA (m ²)	46,605	N/A	46,605	53,775	N/A	53,775	+15.4%
Maximum Building Height (mPD)	150	30	N/A	150	30	N/A	N/A

Remark:

[1] Subject to site survey

Notional Design

- 2.2.5 A notional design, which is illustrated in **Appendix 2-1**, is prepared based on the development parameters to demonstrate the proposed planning intention and development concepts of the Scheme. Compared to the notional design for the approved DSP, the current notional design for S.16 Application has only revised the design of Site B, while keeping the notional design of other parts in the DSP unchanged from the approved DSP.
- 2.2.6 Regarding the Application Site, under the current notional design for Sub-area (1) of Site B (the north-east corner of Site B), a development featuring 3 high-rise developments, including 2 residential towers and 1 mixed-use composite tower with residential/ hotel uses, along with retail/ recreation and GIC facilities at the podium level, is proposed. Ancillary parking and a public vehicle park (PVP) are proposed in the basement levels of Site B. An at-grade open space, named “Waterway Park,” is proposed in the Sub-area (2) of Site B. Ancillary retail facilities are planned at the ground level and the Waterway Park to enhance retail activities and vibrancy adjoining the existing Flower Market.
- 2.2.7 Compared to the approved Scheme for approved DSP, the major change is at Sub-area (1) of Site B, where the hotel/ office tower in the approved Scheme is changed to a composite tower of residential/ hotel tower, with the same height (130 mPD) in the current S.16 Application.
- 2.2.8 The notional design for Site A is the same as the approved DSP at planning stage and will be referenced for the purpose of technical assessments to support the S.16 Application. Site A1 is proposed to be developed into high-rise residential towers with retail podium, at-grade open space and basements for ancillary parking spaces and loading/ unloading bays. Sites A2-A5 are proposed to be developed into 1-storey retail blocks/ open space to create nodal points and continuation of retail frontages for the Flower Market.
- 2.2.9 The Proposed Development of the Scheme will be redeveloped in phases. Phased development and completion may be adopted by further sub-division of Site B, subject to

liaison and agreement with relevant government departments at the implementation stage. The tentative completion year of the whole Scheme is in 2036.

Development Parameters

2.2.10 The development parameters of the notional design of Site A shown in **Table 2-2** remains the same as those under the approved DSP. This assessment is prepared based on the development parameters in **Table 2-2** & **Table 2-3** of the notional design, which are subject to changes at detailed design stage.

Table 2-2 Development Parameters of the Notion Design (Site A)

Site A	A1	A2	A3	A4	A5
Gross Site Area	About 3,570m ²	About 268m ²	About 123m ²	About 233m ²	About 251m ²
	About 4,445m ²				
Net Site Area (subject to survey)	About 2,640m ²	About 239m ²	About 109m ²	About 202m ²	About 198m ²
	About 3,388m ²				
Zoning	OU(MU)1				
Domestic GFA [1]	23,716m ²	-	-	-	-
Non-Domestic GFA [1]	6,576m ²	-	-	100m ²	100m ²
No. of Building Blocks [2]	2	-	-	1	1
Building Height	150mPD	-	-	1 storey	1 storey
No. of Flats [2]	474	-	-	-	-
Average Flat Size [2]	50m ²	-	-	-	-
At-grade Open Space	About 800m ²				

Note

[1] Under the proposed “OU(MU)” zoning, flexibility is allowed to interchange GFA of various compatible uses. The proposed GFA mix in the current notional design is indicative only and subject to changes in detailed design stage.

[2] Number of building blocks, number of flats and average flat size are indicative only and subject to detailed design.

Table 2-3 Development Parameters of the Notion Design (Site B – Application Site)

Site B			
Gross Site Area	About 24,870m ²		
Zoning	OU(MU)2		
	Sub-area (1)	Sub-area (2)	Total
Net Site Area (subject to survey)	7,170m ²	17,700m ²	24,870m ²
Domestic GFA [1]	53,775m ²	-	53,775m ²
Non-Domestic GFA [1]	10,755m ²	8,955m ²	19,710m ²
- Retail	(5,755m ²)	(8,955m ²)	(14,710m ²)
- Hotel	(5,000m ²)	-	(5,000m ²)
GIC GFA (to be exempted from GFA calculation) [3]	30,000m ²		
No. of Building Blocks [2]	2 residential towers and 1 composite tower with residential and hotel uses on top of GIC/ recreation/ retail podia + 1 retail block		
Building Height	150mPD (residential towers) 130mPD (composite tower) 1 storey (retail block)		
No. of Flats [2]	About 1,080	-	About 1,080
Average Flat Size [2]	50m ²	-	50m ²
At-grade Open Space	About 8,800m ²		
Public Vehicle Park [4]	About 220 private car parking spaces + About 10 loading/unloading bays		

Note

- [1] Under the proposed "OU(MU)" zoning, flexibility is allowed to interchange GFA of various compatible uses. The proposed GFA mix in the current notional design is indicative only and subject to changes in detailed design stage.
- [2] Number of building blocks, number of flats and average flat size are indicative only and subject to detailed design.
- [3] The actual GIC GFA is subject to liaison with Government departments. As a conservative approach, 30,000m² GIC GFA is assumed in this assessment.
- [4] Subject to liaison with Transport Department.

Existing Fresh/Salt Water Mains Networks

- 2.2.11 The existing fresh and salt water mains networks in the vicinity are illustrated in **Appendices 2-2 and 2-3**.
- 2.2.12 Some existing fresh and salt water mains will be removed to accommodate the development requirements. The existing fresh and salt water mains within the back alleys of Site A1 will be removed. Therefore, diversions will be required for the existing development north of Site A1.
- 2.2.13 Within Site B, there are existing salt water mains. While these salt water mains currently serve only Site B, it is important to note that the 250 mm main serves as a network extension for the nearby area and will be preserved. Under the current notional Scheme, the 250 mm main within Site B is located at the proposed Waterway Park to be managed by LCSD. The treatment to facilitate the future operation and maintenance of that water main will be subject to detailed design and to agreement by relevant government departments.

- 2.2.14 On the other hand, due to the small scale of the development, no adverse water-supply impact is anticipated from Sites A2, A3, A4, and A5.
- 2.2.15 It is important to note that the removal of existing fresh and salt water mains can result in the suspension of nearby water supply. Therefore, during the detailed design stage, the necessity and procedure for removing or shutting down existing water mains will be carefully reviewed.

3 WATER SUPPLY IMPACT ASSESSMENT – FRESHWATER

3.1 Existing Freshwater Supply

- 3.1.1 As mentioned in **Section 2.1.1**, the assessment regarding both freshwater (**Section 3**) and salt water (**Section 4**) will take into account of the Proposed Development for both Site A and Site B under the notional design for a complete picture and its accumulated impacts to the existing water mains networks.
- 3.1.2 The Scheme Area is currently served by Ho Man Tin East FWSR (Capacity: 152,411 m³) & Ho Man Tin West FWSR (Capacity: 67,434 m³).
- 3.1.3 Site A1 is currently served by a few 100 mm mains connected to the 150mm mains at Fa Yuen Street to the west, 150mm mains at Sai Yee Street to the east, and 300mm mains at Playing Field Road to the north.
- 3.1.4 Site B is currently served by a 100mm main at Flower Market Road in the south, a few 50/80mm branches connected to a 150mm main at Sai Yee Street to the west, some 80/150mm branches from a 750mm main at Boundary Street in the north-west, and a 40mm main connected to a 100mm branch Boundary Street in the north-east.
- 3.1.5 Site A2 to A5 are currently served by a 100m mains along the back alley, which further connected to 150mm mains at Yuen Po Street, Yuen Ngai Street, and Sai Yee Street.
- 3.1.6 The simplified fresh water main records are illustrated in **Figure 3-1a to Figure 3-1d**. The WSD Fresh Water Mains Record Plan is provided in **Appendix 2-2**.

3.2 Freshwater Demand

- 3.2.1 The calculations for the water demand for the existing and proposed scenarios detailed in **Appendix 3-1** and summarized in **Table 3-1**. For a conservative assessment, 5% of additional water demand has been accounted for on top of the conservative unit demand factors to estimate the water demand for a reasonable worst scenario.
- 3.2.2 The fresh water demand for the Scheme is expected to increase from 747.0 m³/day to 2250.6 m³/d (an increase of 1,503.6 m³/day, or 1.504 MLD).
- 3.2.3 The fresh water demands of Site A1 & B are expected to be greatly increased from 178.5 m³/day and 537.0 m³/day to 453.9 m³/day and 1773.1 m³/day, respectively. For the Sites A2 to A5, reduction of fresh water demand is anticipated.

Table 3-1 Summary of Fresh Water Demand

	Daily Demand - Fresh Water (m ³ /day)		
	Existing	Proposed [1]	Net Increase
Site A1	178.5	453.9	275.4
Site A2	8.8	7.4	-1.4
Site A3	5.3	3.7	-1.6
Site A4	8.8	6.4	-2.4
Site A5	8.8	6.2	-2.5
Site B	537.0	1773.1	1236.1
Total	747.0	2250.6	1503.6

Note:

[1] 5% additional demand have been included for conservative assessment.

3.3 Freshwater Supply Impact - Ho Man Tin East FWSR & Ho Man Tin West FWSR

3.3.1 As shown in **Table D of Appendix 3-1**, there is substantially greater spare capacity (128.8 MLD) in Ho Man Tin East FWSR & Ho Man Tin West FWSR. The expected increase in demand (1.504 MLD) can therefore be accommodated by the existing Fresh Water Service Reservoirs. No adverse impact to the fresh water service reservoirs is anticipated.

3.4 Freshwater Supply Impact - Fresh Water Mains (Site A1)

3.4.1 Site A1 is currently served by a few 100 mm mains connected to the 150mm mains at Fa Yuen Street to the west, 150mm mains at Sai Yee Street to the east, and 300mm mains at Playing Field Road to the north as shown in **Figure 3-1b**.

3.4.2 With the implementation of the Scheme, the existing fresh water mains within the back alleys of the Site A1 will be removed. In order to provide a both-end feed fresh water supply to the existing development to the north of Site A1, a new 100mm fresh water main is proposed within the northern part of Site A1 to connect the existing 100mm fresh water main along the back alley to the 150mm fresh water main along Sai Yee Street to the east. To ensure proper maintenance and access to the proposed new water mains, subject to detailed design, a reserve area may be required along its alignment.

3.4.3 Similarly, the both-end feed fresh water supply to the existing development to the west of Site A1 will be affected. Therefore, a new 200mm fresh water main along Fa Yuen Street has been proposed.

3.4.4 Three time the estimated mean daily fresh water demand of the Proposed Development at Site A1 is ~1,362m³/day. With adopting a maximum sustained flow velocity as suggested in Departmental Instruction (DI) No. 1309 "Design Criteria" (**Table A2 of Appendix 3-1**), the capacity of 150mm & 200mm fresh water mains are 2,290 m³/day & 4,072 m³/day respectively. Therefore, a new 150mm fresh water main connecting to the new 200mm main along Fa Yuen Street to the west have been proposed for catering the fresh water demand of Site A1 as shown in **Figure 3-1b**. The alignment and connection point of the proposed new water pipe are subject to detailed design.

3.5 Freshwater Supply Impact - Fresh Water Mains (Sites A2 to A5)

- 3.5.1 Sites A2 to A5 are served by the 50mm branches from the 100mm fresh water mains along the back alley as shown in **Figure 3-1c**. As the fresh water consumption is expected to be reduced, no fresh water impact is anticipated.

3.6 Freshwater Supply Impact - Fresh Water Mains (Site B)

- 3.6.1 Site B is currently served by a 100mm main at Flower Market Road in the south, a few 50/80mm branches connected to a 150mm main at Sai Yee Street to the south-west, some 80/150mm branches from a 750mm main at Boundary Street in the north-west, and a 40mm main connected to a 100mm branch Boundary Street in the north-east as shown in **Figure 3-1d**.
- 3.6.2 With the implementation of the Scheme, some of the existing branches of fresh water mains that only serving the Site B will be removed.
- 3.6.3 Three time the estimated mean daily fresh water demand of the proposed development at Site B is ~5,319 m³/day. With adopting a maximum sustained flow velocity as suggested in Departmental Instruction (DI) No. 1309 “Design Criteria” (**Table A2 of Appendix 3-1**), the capacities of 200mm & 300mm fresh water mains are 4,072 m³/day & 9,160 m³/day, respectively. Therefore, two new 200mm fresh water mains connecting to the existing 300mm main along Boundary Street have been proposed for catering the fresh water demand of Site B as shown in **Figure 3-1d**. The alignment and connection points of the proposed new water pipes are subject to detailed design.

3.7 Freshwater Supply Impact - Proposed Pedestrian Subways

- 3.7.1 As separate revitalisation initiatives not forming part of the Scheme, there is a proposed pedestrian subway at Sai Yee Street connecting Site A1 & Site B (**Figure 3-1b**).
- 3.7.2 It should be noted that the proposed tunnel is still in very early stage thus only indicative alignment is available, while the detailed alignment, elevation and dimension are subject to detailed design and agreement with relevant Government departments.
- 3.7.3 There are multiple freshwater mains crossing the indicative alignment of the proposed tunnel, including freshwater mains of 150mm, 750mm, 900mm, and some 100mm or smaller freshwater mains to be removed (**Figure 3-1b**).
- 3.7.4 As freshwater mains are pressure driven, potential affected freshwater mains could be diverted vertically when necessary, subject to detailed design and technical feasibility. However, considered that the existing 750mm and 900mm freshwater mains along Sai Yee Street may be classified as trunk mains, during the detailed design stage, the proposed pedestrian subways will be thoroughly reviewed to minimize any potential adverse impact on these possible freshwater trunk mains. Therefore, no adverse freshwater supply impact arising from the proposed tunnel is anticipated at this stage.

4 WATER SUPPLY IMPACT ASSESSMENT – SALTWATER

4.1 Existing Saltwater Supply

- 4.1.1 The Scheme Area is currently served by Cheung Sha Wan SWPS (Design Pumping Capacity: 87 MLD).
- 4.1.2 Site A1 is currently served by a few 80mm mains connected to the 100mm mains at Fa Yuen Street to the west, 250mm mains at Sai Yee Street to the east, and 400mm mains at Playing Field Road to the north.
- 4.1.3 Site B is currently served by a 250mm main and a 40mm branch at Flower Market Road in the south.
- 4.1.4 There is an 80mm mains along the back alley of Site A2 to A5, which is further connected to a 250mm mains at Sai Yee Street and a 100mm mains at Yuen Po Street. Currently, only Site A5 is connected to the 80mm mains by two 40mm pipes, while Sites A2 to A4 are not connected to the 80mm mains.
- 4.1.5 The simplified salt water main records are illustrated in **Figure 3-2a to Figure 3-2d**. The WSD Salt Water Mains Record Plan is provided in **Appendix 2-3**.

4.2 Saltwater Supply Impact

- 4.2.1 The calculations for the water demand for the existing and proposed scenarios detailed in **Appendix 3-1** and summarized in **Table 4-1**. For a conservative assessment, the plot ratio of the Proposed Development has been fully utilized. In addition, 5% of additional water demand has been accounted for on top of the conservative unit demand factors to estimate the water demand for a reasonable worst scenario.
- 4.2.2 The salt water demand for the Scheme is expected to increase from 89.0 m³/day to 610.1 m³/d (an increase of 521.1 m³/day, or 0.521 MLD).
- 4.2.3 The salt water demands of Site A1 & Site B are expected to be greatly increased from 56.1 m³/day and 23.0 m³/day to 136.9 m³/day and 469.0 m³/day, respectively. For the Sites A2 to A5, reduction of salt water demand is anticipated.

Table 4-1 Summary of Salt Water Demand

	Daily Demand - Salt Water (m ³ /day)		
	Existing	Proposed	Net Increase
Site A1	56.1	136.9	80.8
Site A2	2.8	0.0	-2.8
Site A3	1.7	0.0	-1.7
Site A4	2.8	2.1	-0.6
Site A5	2.8	2.1	-0.7
Site B	23.0	469.0	446.0
Total	89.0	610.1	521.1

4.3 Saltwater Supply Impact - Cheung Sha Wan SWPS

- 4.3.1 As shown in **Appendix 3-1**, there is substantially greater spare capacity (23.0 MDL) in Cheung Sha Wan SWPS. The expected increase in demand (0.521 MLD) can therefore be accommodated by the existing SWPS. No adverse impact to the salt water pumping stations is anticipated.

4.4 Saltwater Supply Impact - Saltwater Mains (Site A1)

- 4.4.1 Site A1 is currently served by a few 80mm mains connected to the 100mm mains at Fa Yuen Street to the west, 250mm mains at Sai Yee Street to the east, and 400mm mains at Playing Field Road to the north as shown in **Figure 3-2b**.
- 4.4.2 With the implementation of the Scheme, the existing salt water mains within the back alleys of Site A1 will be removed. In order to provide a both-end feed salt water supply to the existing development in the north of Site A1, a new 80mm salt water main is proposed within the northern part of Site A1 to connect the existing 80mm salt water main along the back alley to the 250mm salt water main along Sai Yee Street. To ensure proper maintenance and access to the proposed new water mains, subject to detailed design, a reserve area may be required along its alignment.
- 4.4.3 Two time the estimated mean daily salt water demand of the Proposed Development at Site A1 is $\sim 274\text{m}^3/\text{day}$. With adopting a maximum sustained flow velocity as suggested in Departmental Instruction (DI) No. 1309 "Design Criteria" (**Table A2 of Appendix 3-1**), the capacity of 80mm & 250mm salt water mains are $651\text{ m}^3/\text{day}$ & $6,362\text{ m}^3/\text{day}$ respectively. Therefore, a new 80mm salt water main connecting to the existing 250mm main along Sai Yee Street has been proposed for catering the salt water demand of Site A1. The alignment and connection points of the proposed new water pipes are subject to detail design. The suggested new salt water mains are illustrated in as shown in **Figure 3-2b**.

4.5 Saltwater Supply Impact - Saltwater Mains (Sites A2 to A5)

- 4.5.1 Site A5 is currently served by two 40mm pipes connected to the 80mm mains along the back alley. Whereas, Sites A2 to A4 are not connected to the 80mm mains.
- 4.5.2 The existing two 40mm pipes shall be sufficient to cater the saltwater consumption of Site A5. For Site A4, it is recommended to provide a 40mm pipe to cater to the expected saltwater consumption, as shown in **Figure 3-2c**. Sites A2 and A3 are not expected to use saltwater at all, therefore, no new pipe is proposed.
- 4.5.3 As there is no saltwater demand for Site A2 & Site A3, and the salt water consumption for Site A4 & Site A5 is expected to be reduced, no salt water impact is anticipated.

4.6 Saltwater Supply Impact - Saltwater Mains (Site B)

- 4.6.1 Site B is currently served by a 250mm main and a 40mm branch at Flower Market Road in the south as shown in **Figure 3-2d**.
- 4.6.2 With the implementation of the Scheme, the existing 80mm & 100mm branches from the 250mm salt water main within Site B will be removed.

- 4.6.3 Two time the estimated mean daily salt water demand of the Proposed Development at Site B is $\sim 938.0 \text{ m}^3/\text{day}$. With adopting a maximum sustained flow velocity as suggested in Departmental Instruction (DI) No. 1309 "Design Criteria" (**Table A2 of Appendix IV**), the capacities of 100mm & 250mm salt water mains are $1,018 \text{ m}^3/\text{day}$ & $6,362 \text{ m}^3/\text{day}$ respectively. Therefore, a new 100mm saltwater main connecting to the existing 250mm main within Site B has been proposed for catering the salt water demand of Site B. The alignment and connection points of the proposed new water pipe are subject to detail design. The suggested new salt water mains are illustrated in as shown in **Figure 3-2d**.

4.7 Saltwater Supply Impact - Proposed Pedestrian Subways

- 4.7.1 As separate revitalisation initiatives not forming part of the Scheme, there is a proposed pedestrian subway at Sai Yee Street connecting Site A1 & Site B (**Figure 3-2b**).
- 4.7.2 It should be noted that the proposed tunnel is still in very early stage thus only indicative alignment is available, while the detailed alignment, elevation and dimension are subject to detailed design and agreement with relevant Government departments.
- 4.7.3 There is a 250mm saltwater mains crossing the site of the proposed tunnel (**Figure 3-2b**).
- 4.7.4 The depths of the existing saltwater mains crossing the proposed tunnels are subject to further studies. Nevertheless, the saltwater mains are pressure driven, it is expected that the potential affected saltwater mains could be diverted vertically when necessary, subject to detailed design and technical feasibility. Therefore, no adverse saltwater supply impact arising from the proposed tunnels is anticipated at this stage.

5 SUMMARY AND THE FUTURE WORKS

5.1.1 The fresh and salt water mains to be demolished are summarised in **Table 5-1**. The proposed new fresh and salt water mains are summarised in **Table 5-2**.

Table 5-1 Summary of Freshwater/Saltwater Mains to be Demolished

Site	Freshwater Mains	Saltwater Mains
Site A1	All existing 80-100mm freshwater main within Site A1	All existing saltwater main within Site A1, except the 250mm saltwater main
Site A2	N/A	N/A
Site A3	N/A	N/A
Site A4	N/A	N/A
Site A5	N/A	N/A
Site B	All existing freshwater main within Site B	The existing 80mm & 100mm branches from the 250mm salt water main within Site B
Others	The existing 100mm (and its 50-80mm branches) freshwater mains between Site A1 and Site B A short section of the 100mm freshwater mains along the back alley in the north of Site A1	A short section of the 80mm saltwater mains along the back alley in the north of Site A1

Table 5-2 Summary of Proposed New Freshwater/Saltwater Mains

Site	Freshwater Mains	Saltwater Mains
Site A1	A new 150mm freshwater mains from the new 200mm freshwater mains along Fa Yuen Street	A new 80mm saltwater mains from the existing 250mm saltwater mains along Sai Yee Street
Site A2	N/A	N/A
Site A3	N/A	N/A
Site A4	N/A	A 40mm saltwater mains from the existing 80mm saltwater mains along the back alley
Site A5	N/A	N/A
Site B	2 x new 200mm freshwater mains from the existing 300mm freshwater mains along Boundary Street.	A new 100mm saltwater main from the existing 250mm main within Site B
Others	A new 100mm freshwater mains from back alley in the north of Site A1 to the existing 150mm freshwater mains along Sai Yee Street A new 200mm freshwater mains along Fa Yuen Street	A new 80mm saltwater mains from back alley in the north of Site A1 to the existing 250mm saltwater mains along Sai Yee Street

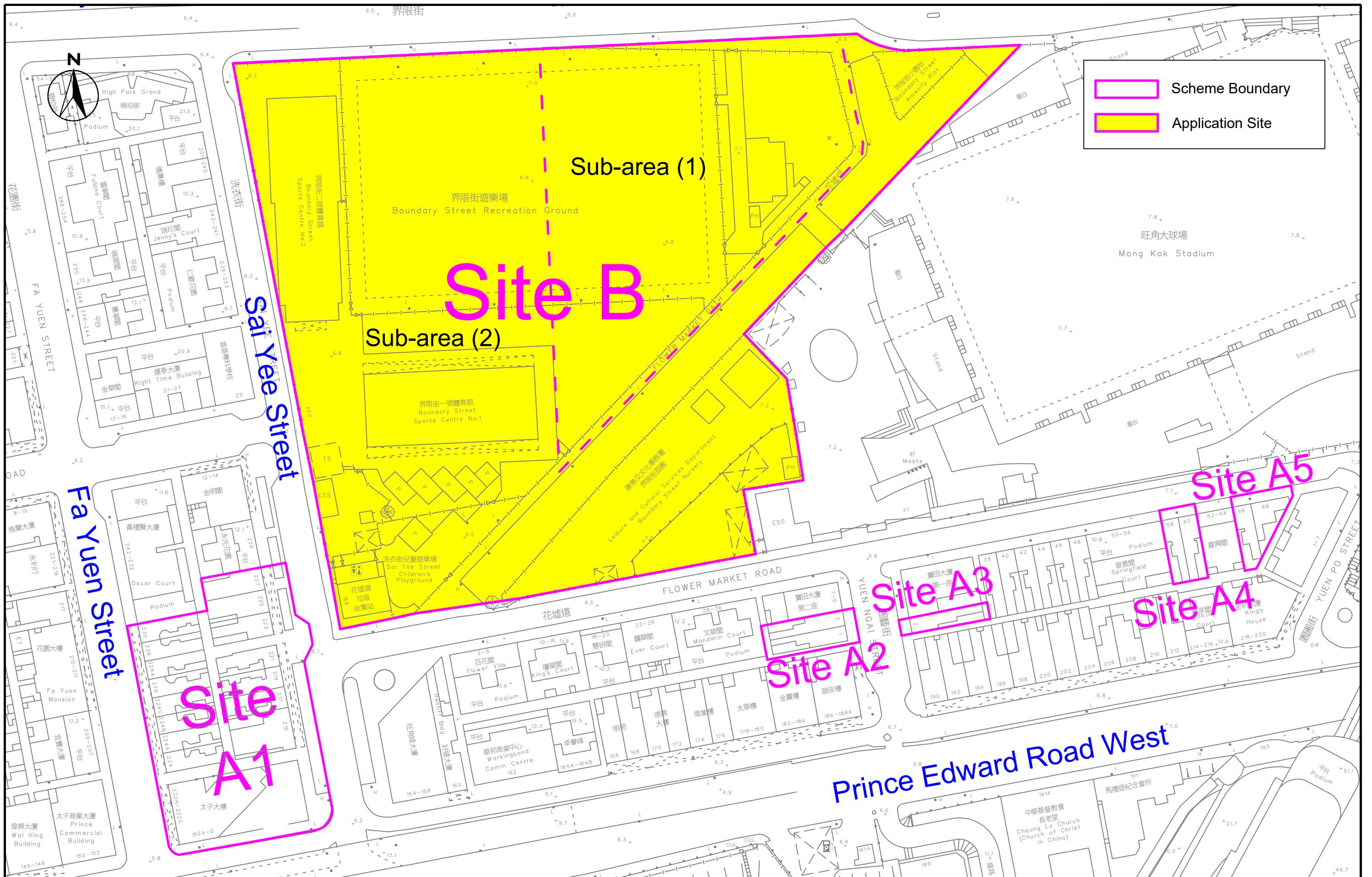
5.2 Construction and Maintenance

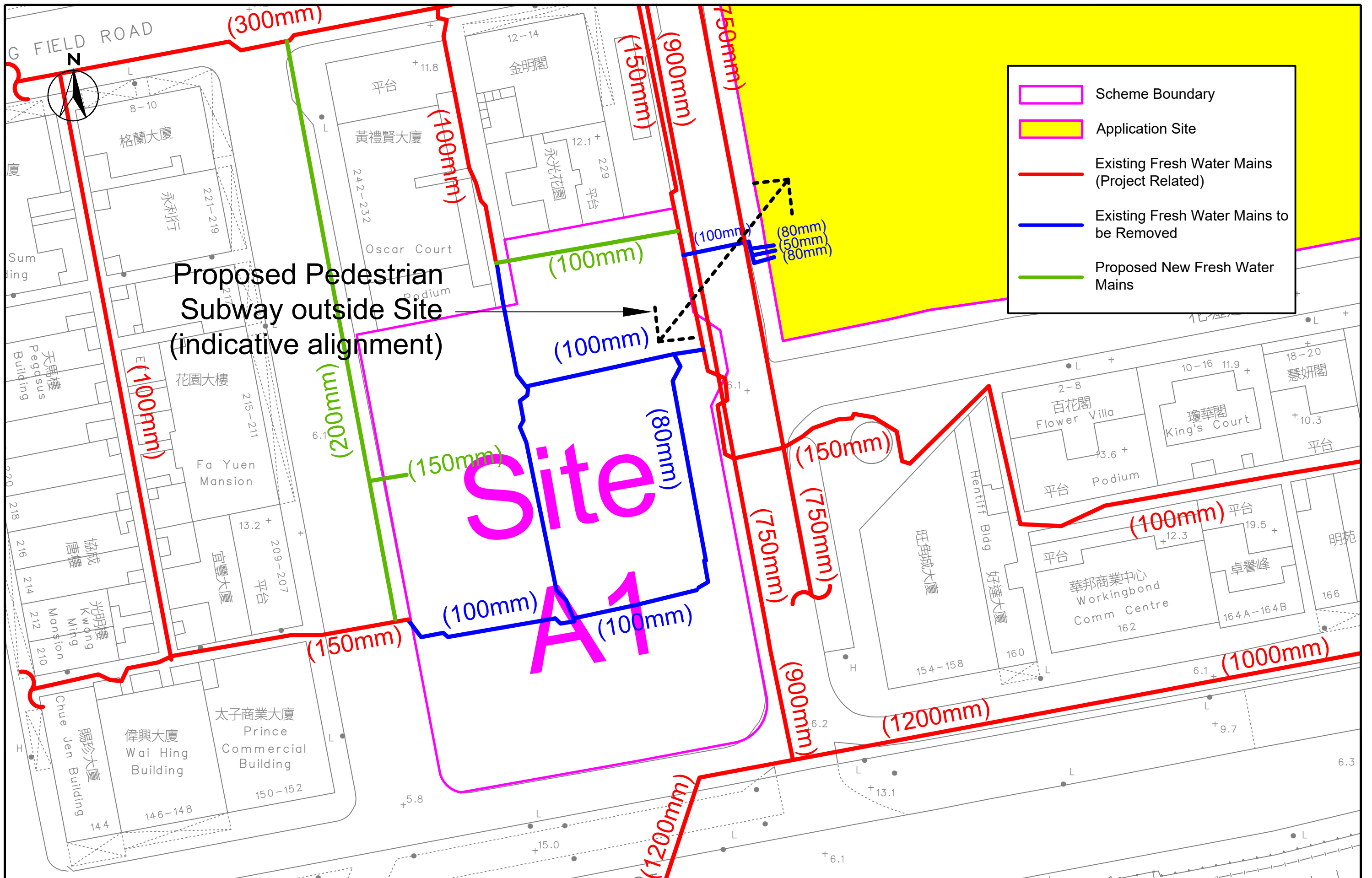
- 5.2.1 Responsibilities for the investigation, design, construction, repair and maintenance of the internal water supply facilities and connection to the main water system(s) will be discussed among URA/its joint venture partners/its assignees and relevant Government departments in detailed design stage.
- 5.2.2 The detailed connection arrangements for the Scheme Area and the local water mains will be reviewed in later stages during implementation of the Scheme. Local upgrading and/or realignment may be implemented if necessary.

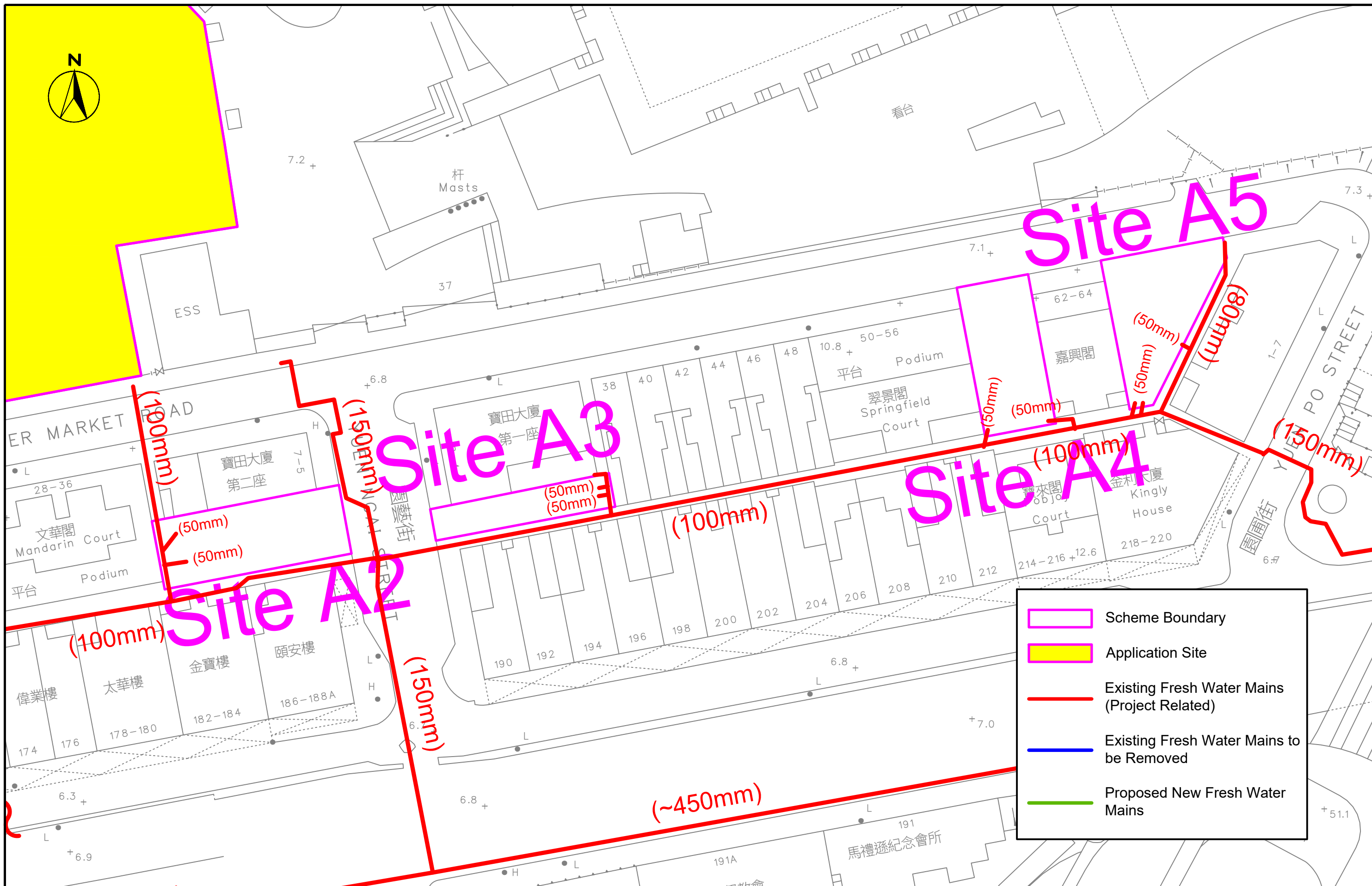
6 CONCLUSION

- 6.1.1 This Water Supply Impact Assessment has been undertaken to assess the potential water supply impact of the Proposed Development and to serve as a supporting document for the S.16 Application to the TPB for consideration.
- 6.1.2 The potential water supply impact under the worst-case scenario of the Proposed Development of the Scheme has been reviewed. The assessment conducted concludes that no upgrading works on the water supply infrastructure will be required. For the local water supply network, although the proposed Scheme at the Site will result in increases in both the fresh and salt water demands, the increases can be accommodated by the existing main supply facilities and the proposed new pipes. The indicative alignment of the proposed pedestrian subway outside the Scheme area is expected to cross a number of existing freshwater & saltwater mains. As the freshwater/saltwater mains are pressure driven, it is expected that the potential affected freshwater/saltwater mains could be diverted vertically when necessary. Therefore, no adverse water supply impact is anticipated from the Proposed Development with the minor relaxation of domestic GFA in Site B under the proposed S.16 Application.

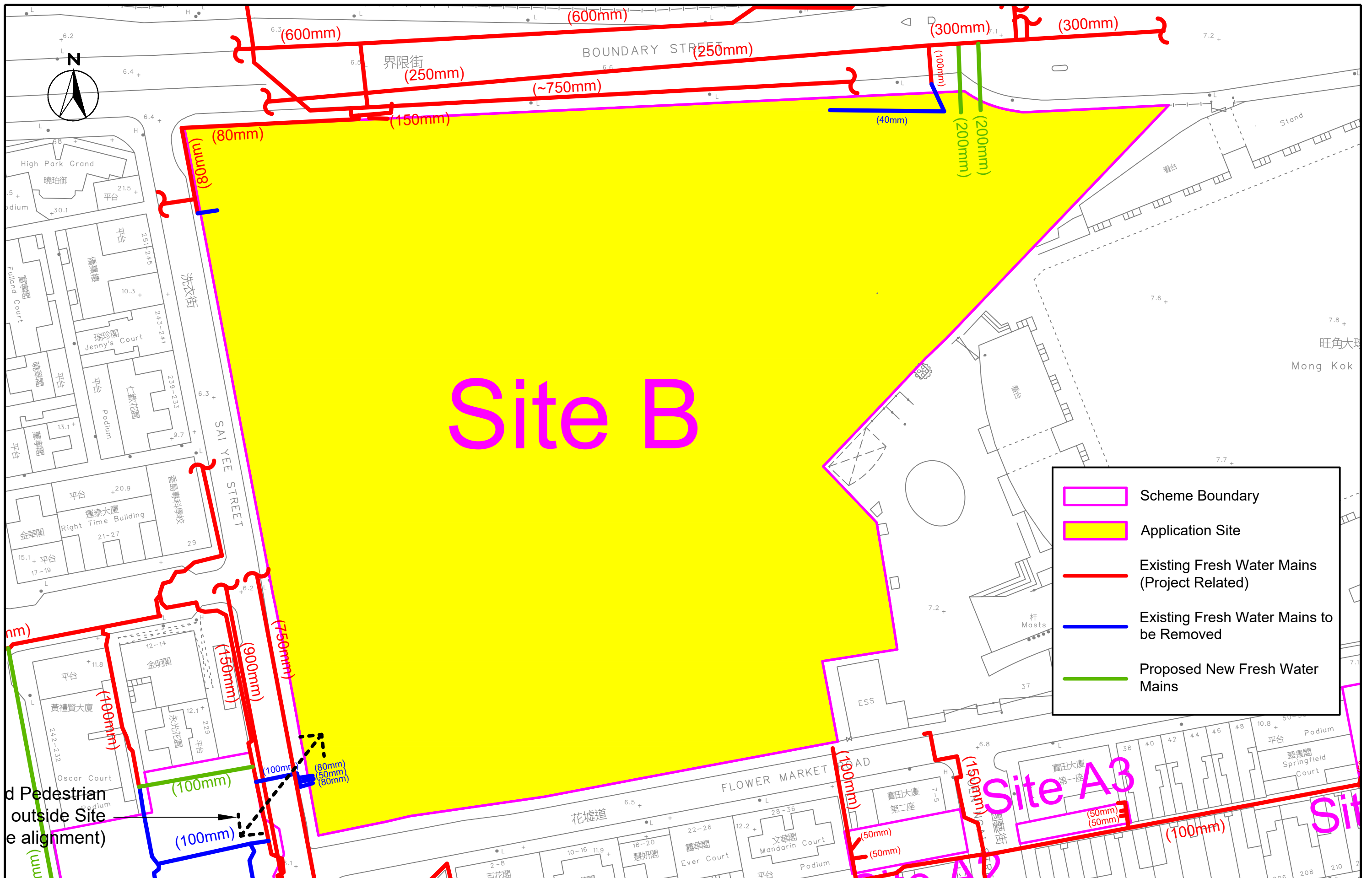
FIGURES

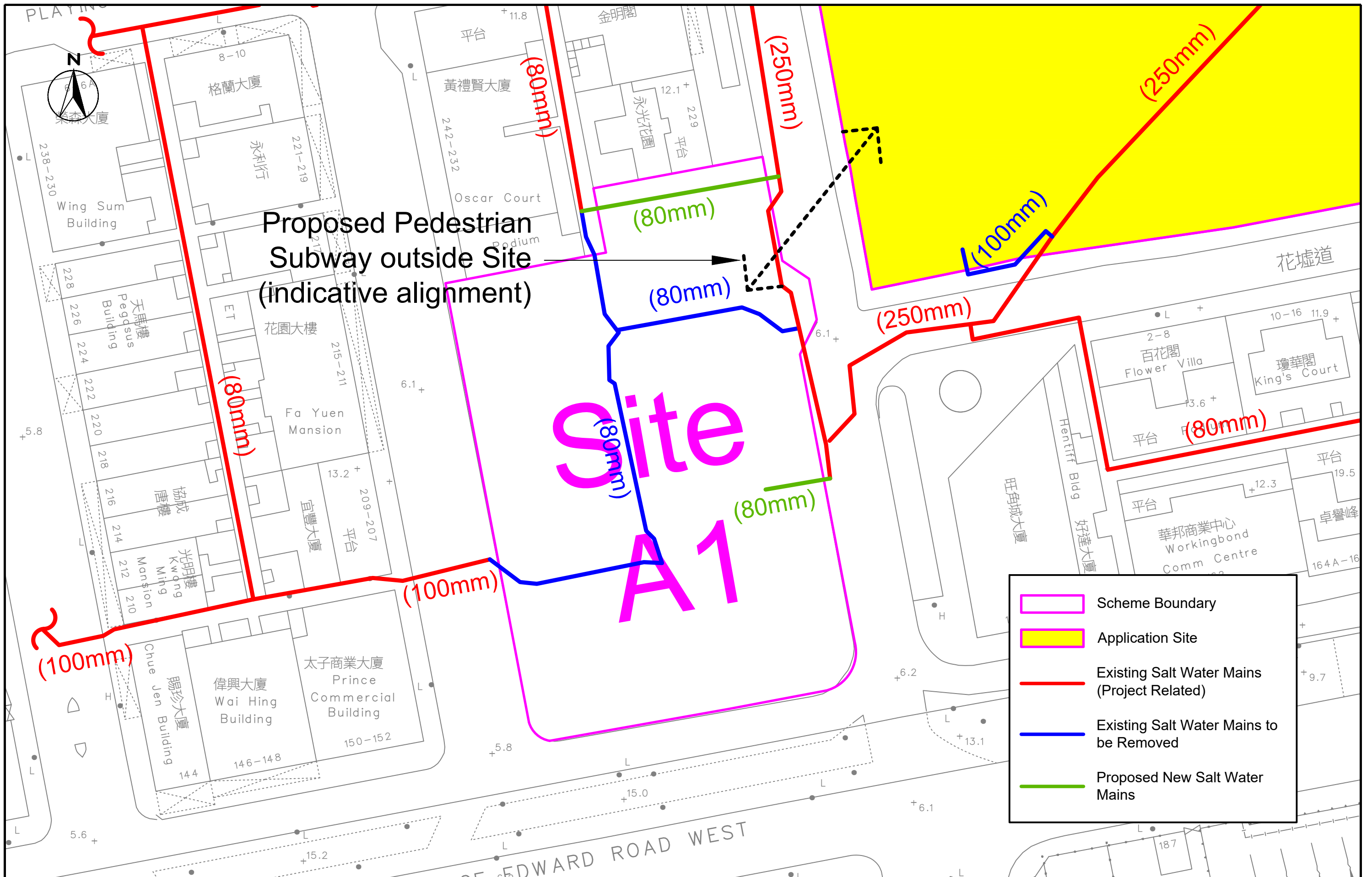




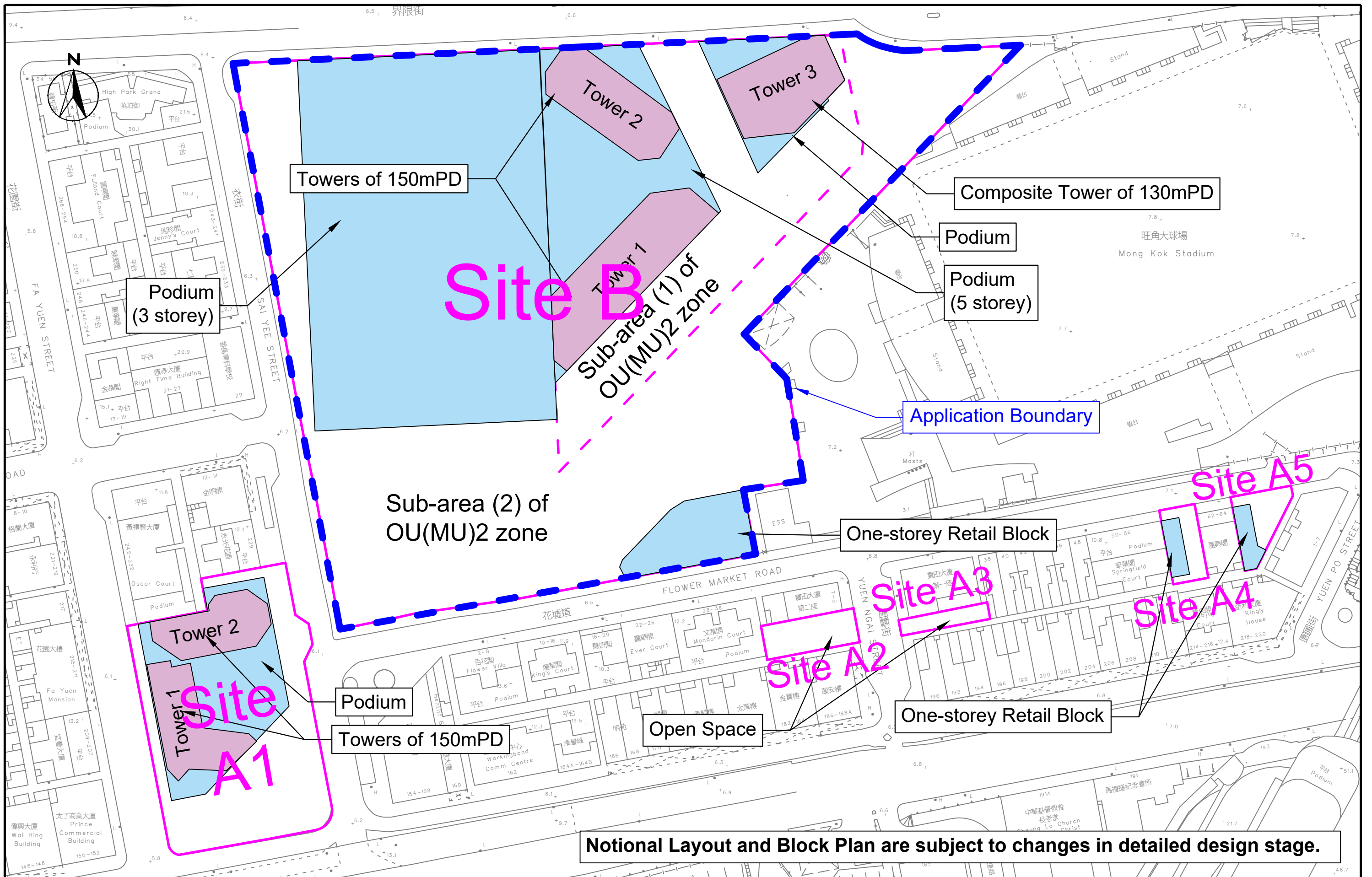


	Scheme Boundary
	Application Site
	Existing Fresh Water Mains (Project Related)
	Existing Fresh Water Mains to be Removed
	Proposed New Fresh Water Mains

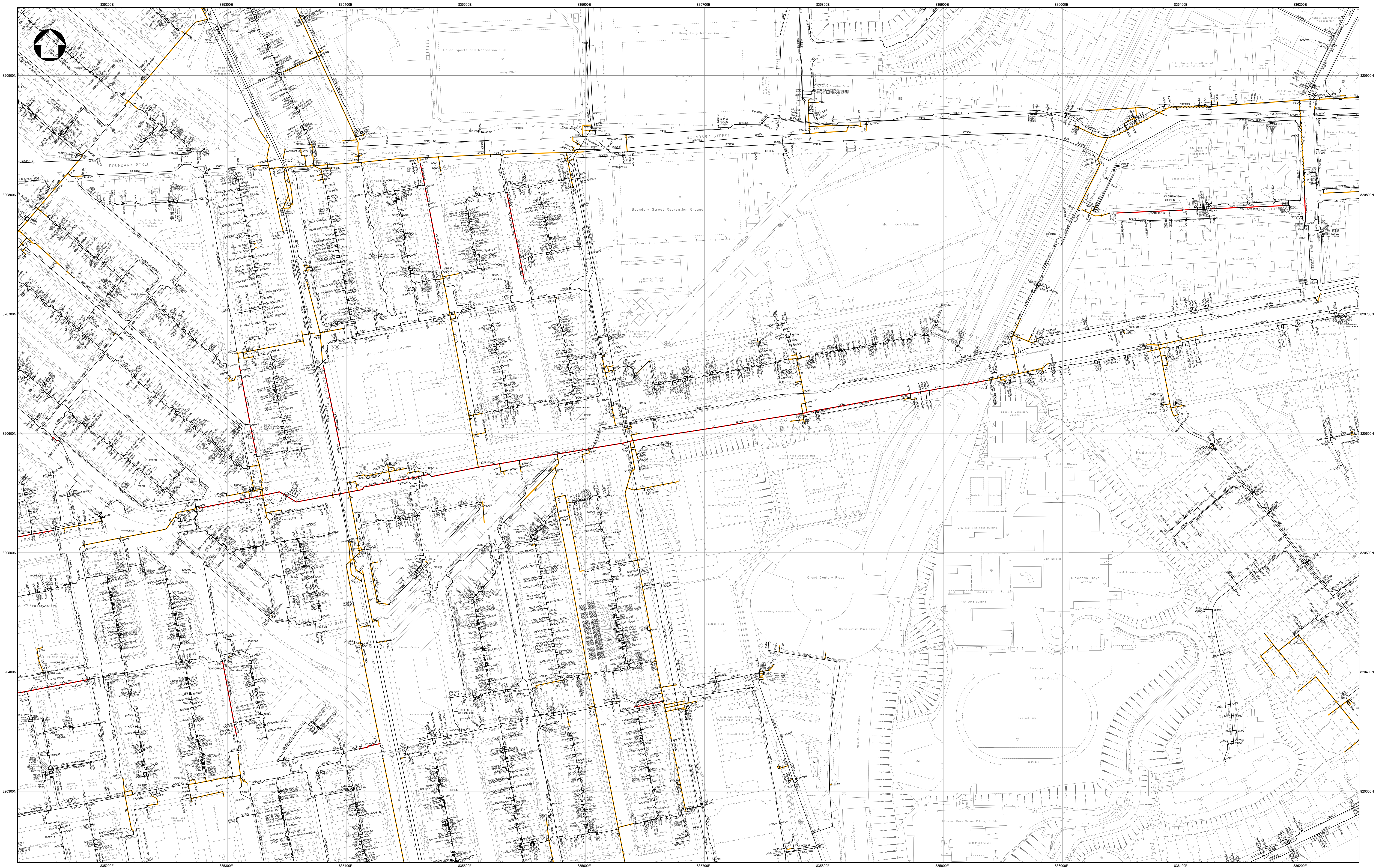




**APPENDIX 2-1
NOTIONAL PLAN OF THE PROPOSED
SCHEME**



APPENDIX 2-2
FRESH WATER MAINS RECORD PLAN



- LEGEND:
- 1. FRESH WATER MAINS WITH AC MATERIAL
 - 2. FRESH WATER MAINS WITH UNKNOWN MATERIAL

SUPPLEMENTARY INFORMATION OF
ASBESTOS CEMENT (AC) OR UNKNOWN WATER MAINS

IMPORTANT: Please note that existing asbestos cement (AC) or unknown water pipes are identified in the vicinity of your project/works area. It is very likely that the unknown water pipes are AC water pipes. You are strongly advised to make special provisions including monitoring measures as necessary to protect these water pipes that are vulnerable to damage. Should diversion/replacement of AC or unknown water pipes be found necessary to be carried out in conjunction with your proposed works either detailed investigations or studies, you should instruct your consultants and/or contractors (as the case may be) to take all necessary measures during design and/or construction stages (as the case may be) to comply with all prevailing statutory requirements for the safe handling, removal, transportation and disposal of AC pipes.

SUBJECT SITE

PART COPY OF FRESH WATER MAINS RECORD PLAN(S)

W6728011 NW-14C, 14D, 15C, 15A, 15B & 20A

FILE REF: DOK23_140

SHEET 1 OF 1 SCALE 1:1000



水務署
Water Supplies Department

APPENDIX 2-3
SALT WATER MAINS RECORD PLAN



LEGEND:
1. SALT WATER MAINS WITH AC MATERIAL
2. SALT WATER MAINS WITH UNKNOWN MATERIAL

SUPPLEMENTARY INFORMATION OF
ASBESTOS CEMENT (AC) OR UNKNOWN WATER MAINS

IMPORTANT: Please note that existing asbestos cement (AC) or unknown water pipes are identified in the vicinity of your project/works area. It is very likely that the unknown water pipes are AC water pipes. You are strongly advised to make special provisions including monitoring measures as necessary to protect these water pipes that are vulnerable to damage. Should diversion/replacement of AC or unknown water pipes be found necessary to be carried out in conjunction with your proposed works after detailed investigations or studies, you should instruct your consultants and/or contractors (as the case may be) to take all necessary measures during design and/or construction stages (as the case may be) to comply with all prevailing statutory requirements for the safe handling, removal, transportation and disposal of AC pipes.

SUBJECT SITE

PART COPY OF SALT WATER MAINS RECORD PLAN(S)

W6788/1/1 NW-14C, 14D, 15C, 15A, 15B & 20A

FILE REF: DOK23_140

SHEET 1 OF 1

SCALE 1:1000

Water Supplies Department

**APPENDIX 3-1
DETAILED WATER DEMAND
CALCULATION**

Table A1 - Unit Daily Demand

Zone Type		Unit Demand Fresh Water ^[1]	Unit Demand Salt Water ^[2]	(unit)
Residential	R	0.35	0.11	m ³ /head/day
Commercial & Government, Institution/Community	C & GIC	300	100	m ³ /ha/day
Hotel	H	1	0.36	m ³ /room/day
Park (Irrigation)	IRR	700	0	m ³ /ha/day

[1] Unit Demand Fresh Water recommended by **WSD** :

- Residential - 0.35 m³/head/day, including service trade allowance.
- Commercial & G/IC - 300 m³/ ha of Site Area /day. Only applies to site without any residential development atop.
- Hotel - 1 m³/room/day
- Irrigation Area - 70 litre / sq. meters of irrigation area / day.

[2] Unit Demand Salt Water recommended by **WSD** :

- Residential - 0.11 m³/head/day, including service trade allowance.
- Commercial & G/IC - 100 m³/ ha of Site Area /day. Only applies to site without any residential development atop.
- Hotel - 0.36 m³/room/day

Table A2 - Flow Velocity Limit

Pipe Diameter	Fresh Water Distribution Mains	(unit)
> DN700	≤ 3	m/s
DN700 - DN525	≤ 2.5	m/s
DN450 - DN375	≤ 2	m/s
DN300 - DN200	≤ 1.5	m/s
< DN200	≤ 1.5	m/s
Pipe Diameter	Salt Water Distribution Mains	(unit)
≥ DN1000	≤ 3.0	m/s
DN900 - DN800	≤ 2.5	m/s
DN700 - DN525	≤ 2	m/s
DN450 - DN300	≤ 1.5	m/s
< DN300	≤ 1.5	m/s

[1] Refer to **WSD Departmental Instruction 1309**

Table B1 - Existing Development

Site A1

Site Area

	Area (m ²) [2]	Area (ha)
Net Site Area	2,640	0.264

Existing Residential Flats

	Units [1]	Popn. (Persons)
Residential Accommodation (R)	122	510
- Prince Edward Building	54	
- 224 to 230 (even) Fa Yuen Street	32	
- 215 to 227 (odd) Sai Yee Street	36	

Non-Residential Area

	GFA (m ²) [2]	GFA (ha)
Shop and Retails	1,481.50	0.14815

Site A2

Site Area

	Area (m ²) [2]	Area (ha)
Net Site Area	239	0.0239

Existing Residential Flats

	Units [1]	Popn. (Persons)
Residential Accommodation (R)	6	25
- 1 & 3 Yuen Ngai Street	6	

Non-Residential Area

	GFA (m ²) [2]	GFA (ha)
Shop and Retails	195.5	0.01955

Site A3

Site Area

	Area (m ²) [2]	Area (ha)
Net Site Area	109	0.0109

Existing Residential Flats

	Units [1]	Popn. (Persons)
Residential Accommodation (R)	3	15
- 2 Yuen Ngai Street	3	

Non-Residential Area

	GFA (m ²) [2]	GFA (ha)
Shop and Retails	67.8	0.00678

Site A4

Site Area

	Area (m ²) [2]	Area (ha)
Net Site Area	202	0.0202

Existing Residential Flats

	Units [1]	Popn. (Persons)
Residential Accommodation (R)	6	25
- 58 & 60 Flower Market Road	6	

Non-Residential Area

	GFA (m ²) [2]	GFA (ha)
Shop and Retails	133.7	0.01337

Table B1 - Existing Development

Site A5

Site Area

	Area (m ²) [2]	Area (ha)
Net Site Area	198	0.0198

Existing Residential Flats

	Units [1]	Popn. (Persons)
Residential Accommodation (R)	6	25
- 66 & 68 Flower Market Road	6	

Non-Residential Area

	GFA (m ²) [2]	GFA (ha)
Shop and Retails	131.4	0.01314

Site B

Site Area

	Area (m ²) [2]	Area (ha)
Net Site Area (existing developments only)	2,300	0.23

Existing Buildings

	GFA (m ²) [2]	GFA (ha)
Government, Institution/Community	5,500	0.55

Public Open Space

	Area (m ²) [2]	Area (ha)
Garden, Play Ground and Sitting-out Area	18,700	1.87

Note:

[1] The number of flats and population are estimated by URA.

[2] Estimated values.

Table B2 - Existing Water Demands

Site A1

Existing Residential Flats

	Category	Population	Unit Demand Fresh Water (m ³ /head/day)	Unit Demand Salt Water (m ³ /head/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Residential Accommodation, Management and Club House Staff	R	510	0.350	0.110	178.5	56.1

Site A2

Existing Residential Flats

	Category	Population	Unit Demand Fresh Water (m ³ /head/day)	Unit Demand Salt Water (m ³ /head/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Residential Accommodation, Management and Club House Staff	R	25	0.350	0.110	8.8	2.8

Site A3

Existing Residential Flats

	Category	Population	Unit Demand Fresh Water (m ³ /head/day)	Unit Demand Salt Water (m ³ /head/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Residential Accommodation, Management and Club House Staff	R	15	0.350	0.110	5.3	1.7

Site A4

Existing Residential Flats

	Category	Population	Unit Demand Fresh Water (m ³ /head/day)	Unit Demand Salt Water (m ³ /head/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Residential Accommodation, Management and Club House Staff	R	25	0.350	0.110	8.8	2.8

Site A5

Existing Residential Flats

	Category	Population	Unit Demand Fresh Water (m ³ /head/day)	Unit Demand Salt Water (m ³ /head/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Residential Accommodation, Management and Club House Staff	R	25	0.350	0.110	8.8	2.8

Site B

Existing Buildings

	Category	Site Area (ha)	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Government, Institution/Community	C & GIC	0.23	300.000	100.000	69.0	23.0

Garden and Sitting-out Area (Area of Public Open Space)

	Category	Area (ha) ^[1]	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Boundary Street Sports Centre No.1 & 2	IRR	0.67	700.000	0.000	468.0	0.0

Summary

	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Site A1	178.5	56.1
Site A2	8.8	2.8
Site A3	5.3	1.7
Site A4	8.8	2.8
Site A5	8.8	2.8
Site B	537.0	23.0
Total	747.0	89.0

Note:

[1] Estimated planting area

[2] The unit fresh/salt water demands are not applicable to the commercial areas that having residential development atop.

Table C1 - Proposed Development

Site A1

Site Area

	Area (m ²) [1]	Area(ha)
Net Site Area	2,640	0.264

Proposed Residential Flats

	Units [1]	PPF [2]	Popn. (Persons)
Residential Accommodation (R)	474	2.5	1,185

Non-Residential Area

	GFA/Area (m ²) [1]	GFA (ha)
Retails/Restaurant	6576	0.6576
Garden, Play Ground and Sitting-out Area	500	0.05

Site A2

Site Area

	Area (m ²) [1]	Area(ha)
Net Site Area	239	0.0239

Proposed Residential Flats

	Units [1]	PPF [2]	Popn. (Persons)
Residential Accommodation (R)	0	2.5	0

Non-Residential Area

	GFA/Area (m ²) [1]	GFA (ha)
Shop and Retails	0	0
Garden, Play Ground and Sitting-out Area	200	0.02

Site A3

Site Area

	Area (m ²) [1]	Area(ha)
Net Site Area	109	0.0109

Proposed Residential Flats

	Units [1]	PPF [2]	Popn. (Persons)
Residential Accommodation (R)	0	2.5	0

Non-Residential Area

	GFA/Area (m ²) [1]	GFA (ha)
Shop and Retails	0	0
Garden, Play Ground and Sitting-out Area	100	0.01

Site A4

Site Area

	Area (m ²) [1]	Area(ha)
Net Site Area	202	0.0202

Proposed Residential Flats

	Units [1]	PPF [2]	Popn. (Persons)
Residential Accommodation (R)	0	2.5	0

Non-Residential Area

	GFA/Area (m ²) [1]	GFA (ha)
Shop and Retails	100	0.01
Garden, Play Ground and Sitting-out Area	0	0

Table C1 - Proposed Development

Site A5

Site Area

	Area (m ²) [1]	Area(ha)
Net Site Area	198	0.0198

Proposed Residential Flats

	Units [1]	PPF [2]	Popn. (Persons)
Residential Accommodation (R)	0	2.5	0

Non-Residential Area

	GFA/Area (m ²) [1]	GFA (ha)
Shop and Retails	100	0.01
Garden, Play Ground and Sitting-out Area	0	0

Site B

Site Area

	Area (m ²) [1]	Area(ha)
Net Site Area - Total	24,870	2.487
Net Site Area - Sub-Area (1) - mixed developments	7,170	0.717
Net Site Area - Sub-Area (2) - non-residential building area	8,900	0.89
Net Site Area - Sub-Area (2) - at-grade open garden	8,800	0.88

Proposed Residential Flats

	Units [1]	PPF [2]	Popn. (Persons)
Residential Accommodation (R)	1080	2.5	2,700

Non-Residential Area

	GFA/Area (m ²) [1]	GFA/Area (ha)
Retails/Restaurant - Sub-Area (1)	5,755	0.5755
Retails/Restaurant - Sub-Area (2)	8,955	0.8955
G/IC [3]	30,000	3
Garden, Play Ground and Sitting-out Area	8,800	0.88
Hotel	5,000	0.5

Note:

[1] The development parameters are provided by Project Proponent

[2] According to the Population Census 2021, the average domestic household size is 2.3 for Mong Kok East District Council Constituency Area and Tertiary Planning Unit 222; and 2.5 for Yau Tsim Mong District. For conservative assessment household size of 2.5 has been adopted.

[3] The actual G/IC GFA is not yet confirmed and subject to liaison with Government departments. As a conservative approach, 30,000m² GIC GFA is assumed in this assessment.

Table C2 - Water Demands under the Proposed Scheme

Site A1

Proposed Residential Flats

	Category	Population	Unit Demand Fresh Water (m ³ /head/day)	Unit Demand Salt Water (m ³ /head/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Residential Accommodation, Management and Club House Staff	R	1,185	0.350	0.110	414.8	130.4

Non-Residential Area

		GFA / Site Area (ha)	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
- Commercial & G/IC - 300 m ³ /ha of Site Area /day. Only applies to						
Garden, Play Ground and Sitting-out Area [1]	IRR	0.025	700.000	0.000	17.5	0.0

Site A2

Non-Residential Area

	Category	GFA / Site Area (ha)	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Garden, Play Ground and Sitting-out Area [1]	IRR	0.010	700.000	0.000	7.0	0.0

Site A3

Non-Residential Area

	Category	GFA / Site Area (ha)	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Garden, Play Ground and Sitting-out Area [1]	IRR	0.005	700.000	0.000	3.5	0.0

Site A4

Non-Residential Area

	Category	GFA / Site Area (ha)	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Retails/Restaurant	C & GIC	0.020	300.000	100.000	6.1	2.0

Site A5

Non-Residential Area

	Category	GFA / Site Area (ha)	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Retails/Restaurant	C & GIC	0.020	300.000	100.000	5.9	2.0

Table C2 - Water Demands under the Proposed Scheme

Site B

Proposed Residential Flats

	Category	Population	Unit Demand Fresh Water (m ³ /head/day)	Unit Demand Salt Water (m ³ /head/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Residential Accommodation, Management and Club House Staff	R	2,700	0.350	0.110	945.0	297.0

Non-Residential Area (exclude Hotel portion) [2]

	Category	GFA / Site Area (ha)	Unit Demand Fresh Water (m ³ /ha/day)	Unit Demand Salt Water (m ³ /ha/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Retails/Restaurant - Sub-Area (2)	C & GIC	0.90	300.000	100.000	268.7	89.6
Garden, Play Ground and Sitting-out Area [1]	IRR	0.44	700.000	0.000	308.0	0.0

Non-Residential Area (Hotel)

	Category	No. of Room [4]	Unit Demand Fresh Water (m ³ /Room/day)	Unit Demand Salt Water (m ³ /Room/day)	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Hotel	H	167	1.000	0.360	167.0	60.1

Summary [3]

	Daily Demand Fresh Water (m ³ /day)	Daily Demand Salt Water (m ³ /day)
Site A1	453.9	136.9
Site A2	7.4	0.0
Site A3	3.7	0.0
Site A4	6.4	2.1
Site A5	6.2	2.1
Site B	1773.1	469.0
Total	2250.6	610.1

Note:

[1] It is anticipated that around 50% of the Garden is planting area in the worst case scenario.

[2] The unit fresh/salt water demands are not applicable for the commercial and G/IC areas that having residential development atop.

[3] 5% additional demand have been included for conservative assessment.

[4] It is assume that there will be one Hotel Room per 30 m² GFA.

Table D - Summary of Water Demands

Fresh Water Demand

Site	Daily Demand - Fresh Water (m ³ /d)		
	Existing	Proposed [1]	Net Increase
Site A1	178.5	453.9	275.4
Site A2	8.8	7.4	-1.4
Site A3	5.3	3.7	-1.6
Site A4	8.8	6.4	-2.4
Site A5	8.8	6.2	-2.5
Site B	537.0	1773.1	1236.1
Total	747.0	2250.6	1503.6

Note:

[1] 5% additional demand have been included for conservative assessment.

Salt Water Demand

Site	Daily Demand - Salt Water (m ³ /d)		
	Existing	Proposed [1]	Net Increase
Site A1	56.1	136.9	80.8
Site A2	2.8	0.0	-2.8
Site A3	1.7	0.0	-1.7
Site A4	2.8	2.1	-0.6
Site A5	2.8	2.1	-0.7
Site B	23.0	469.0	446.0
Total	89.0	610.1	521.1

Note:

[1] 5% additional demand have been included for conservative assessment.

Fresh Water Reservoir Capacity

Reservoir	Capacity (x 1,000 m ³)	Supply Capacity @ Capacity Factor = 0.8 (MLD) ^[1]	Existing Daily Consumption (MLD) ^[2]	Spare Capacity (MLD)	Remarks
Ho Man Tin East FWSR	152.411	190.51	126.5	128.8	The spare capacity of 128.8 MLD >> net increase of 1.5 MLD from the Proposed Development
Ho Man Tin West FWSR	67.434	84.29	19.5		

Salt Water Pumping Capacity

Pumping Station	Design Pumping Capacity (MLD)	Existing Daily Consumption (MLD) ^[2]	Spare Capacity (MLD)	Remarks
Cheung Sha Wan SWPS	87	64.0	23.0	The spare capacity of 23.0 MLD >> net increase of 0.5 MLD from the Proposed Development

[1] For interconnected supply zone with critical consumers, the capacity of the Reservoir should be (75% + 5%) = 80% of the mean daily demand.

[2] An enquiry was made with WSD in February 2026.