

Our Ref: 60776275/0053/26/ 2026000018D
Your Ref: TPB/A/H10/98
Date: 3 July 2026

By Email and by Hand

The Secretary
Town Planning Board
15/F, North Point Government Offices
333 Java Road
Hong Kong.

Dear Sir/Madam,

Planning Application under Section 16 of the Town Planning Ordinance for Proposed Residential Institution (Student Hostel) at Middleton Towers, 140 Pokfulam Road (RBL No. 825 RP) (Application No. A/H10/98)
Submission of Responses to Comments (2nd Batch)

Reference is made to the captioned Section 16 Planning Application received by Town Planning Board (TPB) on 11 May 2026.

On behalf of the Applicant, the University of Hong Kong, we hereby submit the second batch of table of responses to departmental comments (RtoC table) at **Annex A** in response to departmental comments from Water Services Department (WSD) and Lands Department (LandsD), received via emails from Planning Department on 2,12 and 25 June 2026 respectively.

Upon receipt of the comments, we have proactively engaged with LandsD to address the issues raised and no further comments were received as at the writing of this letter. On 30 June 2026, LandsD has replied to our submitted responses via email and advised no further comments on the layout related items. The team will further follow up with LandsD on the necessary lease waiver application.

This submission does not result in a material change of the nature of the captioned planning application. We sincerely hope that with the above information, the outstanding issues can be resolved satisfactorily with the concerned departments. Should you have any queries or require further information, please do not hesitate to contact our Ms. Winnie HUNG at [REDACTED] (or email [REDACTED]) or Ms. Pearl HUI at [REDACTED] (or email [REDACTED]).

Yours faithfully,
For and on behalf of
AECOM Asia Company Limited



Pearl HUI
Executive Director, Urban Planning
Encl.

cc: The University of Hong Kong w/e

Annex A Response to Departmental Comments

**S.16 Planning Application for Proposed Residential Institution (Student Hostel) in “Residential (Group C)”
with a minor portion within “Green Belt” Zones at Middleton Towers, 140 Pok Fu Lam Road (Rural Building Lot No. 825 RP)
and adjoining Government Land, Pok Fu Lam, Hong Kong**

Responses to Departmental Comments (2nd Batch)

Item	Bureau/Department	Date
1.	Water Services Department	2 June 2026
2.	Lands Department	25 June 2026

Response to Departmental Comments – Application No. A/H10/98

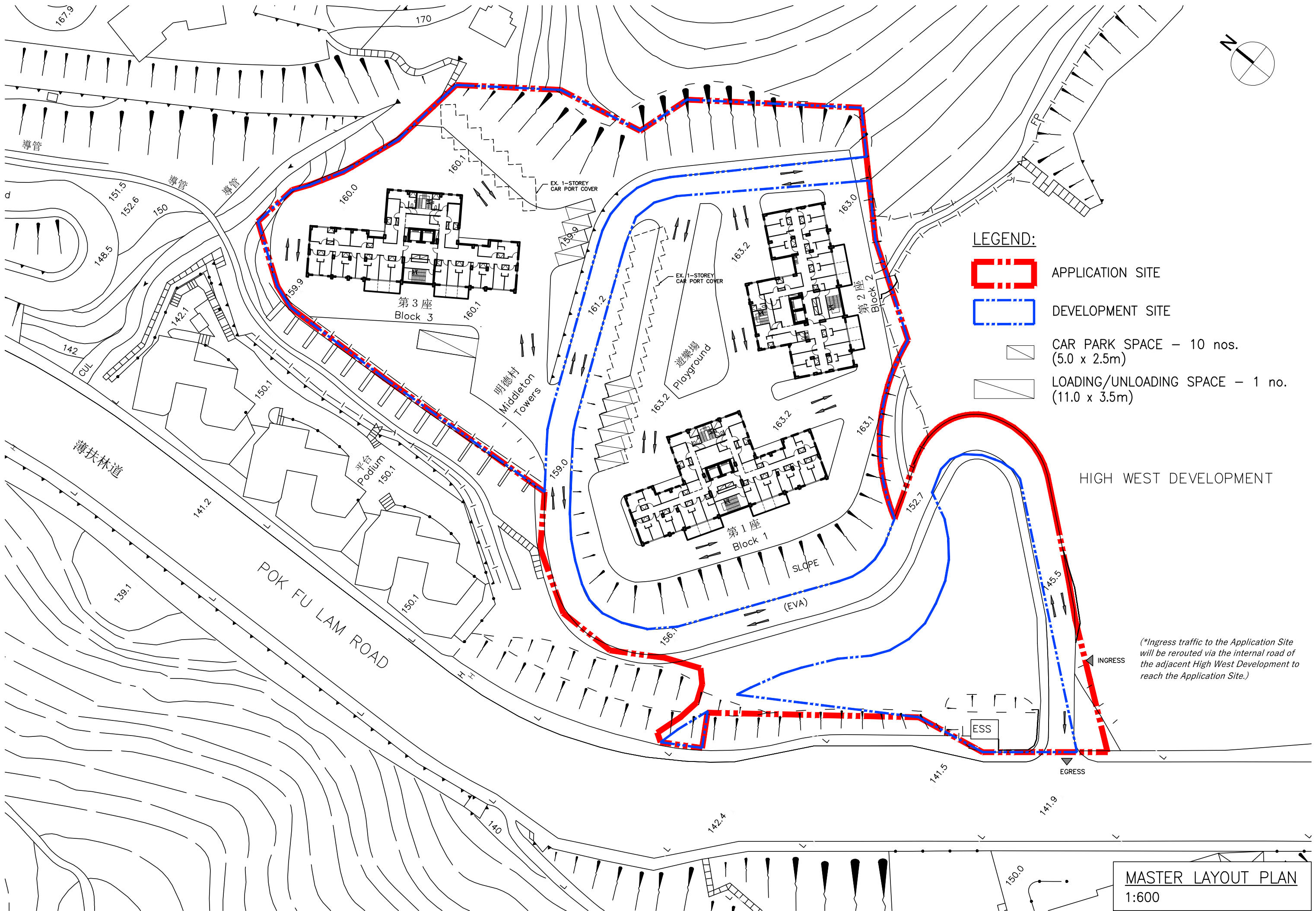
Item	Comments Received	Responses
1.	Chief Engineer/Water Services Department (Received via email from PlanD dated 2.6.2026) (Contact Officer: Mr. Terry C.W. LAW, tel: 2152 5737)	
1.1.	Please note the comments from water supply system planning point of view:- Our comment no. 3 "For salt water unit demand, please adopt our latest ceiling value of 100 l/h/d (per residential population)....." provided in our email to you on 15 April 2026, was not addressed in this submission. Please revise.	Noted and updated accordingly.
1.2.	It is noted in this application that the application site, which is currently used for staff quarter purpose, is proposed to transform into student hostels by internal re-partitioning. Please provide the net increase / decrease in the fresh water / flushing water demands due to the proposed re-development, for consideration.	The net increase / decrease in the fresh water/ flushing water demands were included in the section 2.3 in the submitted WSIA for your perusal.
2.	Lands Department (Received via email from PlanD dated 25.6.2026) (Contact Officers: Ms. Ming TSANG, tel: 2835 1718)	
2.1.	The subject existing development namely "Middleton Towers" falls within Rural Building Lot ("RBL") No. 825 RP ("the Lot"). The Lot is held under the Government Lease dated 22.5.1970 for a term of 150 years from 17.3.1884 (i.e. expiry on 16.3.2034). The Lot is restricted to be used for housing the staff and employees of the Lot owner and dependent members of the families of such staff and	Noted, and the applicant is currently following up with Lands Department on necessary lease waiver application on the identified matters.

Item	Comments Received	Responses
	employees, non-paying guests and domestic servants employed by them or by the Lot owner. Other salient lease conditions of the Lot include but are not limited to:- (i) Height: not exceeding 12 storeys in height (Remarks: properly accessible car ports at ground floor level could be exempted from this height restriction) (ii) Non-building area: red hatched black area (iii) Non-exclusive right of way: brown area (iv) Roof-over area: different % requirement depending on the number of storeys (in particular not exceeding 17.5% of the Lot area (including the area of the red hatched black area) applicable to a 8-12 storey building) (v) Parking requirement: at the rate of not less than one car per flat (vi) Requirement of design, disposition and height (vii) Restriction on alienation (viii) Non-offensive trades clause	
2.2.	The Lot is also subject to a temporary waiver dated 23.3.2005 for a term of two years commencing from 1.4.2005 to 31.3.2007 and thereafter quarterly to permit underletting of quarters erected on the Lot to any person or persons.	Noted.
2.3.	The proposed conversion of the existing development to student hostel with ancillary facilities does not comply with some of the existing lease conditions. A lease modification is required for implementation of the subject proposal. However, there is no guarantee that the lease modification application will be approved. The lease modification application will be considered by Lands Department acting	Noted.

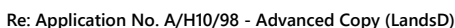
Item	Comments Received	Responses
	in the capacity as the landlord at its sole discretion. In the event that the lease modification application is approved, it will be subject to such terms and conditions as the Government shall see fit, including among others, payment of premium and administrative fee as may be imposed by Lands Department.	
2.4.	The boundary of "the Application Site" shown on Site Plan and Master Layout Plan does not merely include the Lot and the Brown Area (i.e. the existing non-exclusive right of way granted to the Lot owner under lease) but it also involves some additional Government land. According to the Response to Departmental Comments at Appendix VI of the Submission, the applicant explains that (i) the Government land currently functions as a service road and is related to the existing and proposed site access arrangements and (ii) is therefore included into the application site to allow a holistic assessment of traffic and access arrangements. Should the said additional Government land (or any part thereof) be required for access purpose, the extent and alignment of the Brown Area of the Lot would need to be modified. Similarly, there is no guarantee that the modification of the Brown Area (if submitted) will be approved and it will be subject to such terms and conditions as the Government shall see fit.	We would like to clarify that the area falling within Government land between the Lot currently serves as a service road (the Right of Way under RBL No. 825 RP) and encompasses existing slope and landscaped areas. It has been included within the application boundary to facilitate a more holistic assessment of traffic and access arrangements. There is no proposal to modify the extent or alignment of the existing right of way. As per reply from LandsD via email dated 30 June 2026 in Annex II , the Authority has no further comments.
2.5.	By referring to the Master Layout Plan, apart from a vehicular access point (for egress only) which fronts directly on Pok Fu Lam Road, there is another vehicular access point nearby (for both ingress and egress) which is intended to link with the adjacent "High West Development". Such adjacent	We would like to clarify that the vehicular access point linking with the adjacent High West Development (RBL No. 1192) would only serve for ingress only. Relevant annotation in the MLP has been revised in Annex I . As per reply from LandsD via email dated 30 June 2026 in Annex II , the Authority has no further comments.

Item	Comments Received	Responses
	development falls within another private lot namely RBL No. 1192. According to Special Condition No. (25) of the lease governing RBL No. 1192, such access point (for both ingress and egress) shown on the Master Layout Plan in fact is restricted merely for egress. Besides, the lease of RBL No. 1192 has not reserved right of access in favour of the Lot to pass through RBL No. 1192.	
2.6.	It is noted that the applicant has proposed in Section 7 of the Application Form under the Submission a tentative completion year of the development proposal in 2028. This office is not in a position to comment.	Noted.
2.7.	Given the various technical assessments in the Appendices of the Submission are technical in nature, I shall defer to other relevant departments to comment.	Noted.

Annex I Supplementary Master Layout Plan



Annex II Email Correspondence with Lands Department



Date Tue 6/30/2026 5:31 PM

To [REDACTED]

Cc: [REDACTED]

1 attachment (511 KB)

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Report Suspicious

Dear Winnie,

I refer to our earlier verbal discussion on the captioned.

Please find my preliminary comments below on your response as enclosed in your email dated 26.6.2026 ("R-to-C")-

Item 7.4 of the R-to-C

While noting that you have no proposal to modify the extent or alignment of the existing right of way (i.e. the Brown Area under the Lease), please note that our comments shall remain valid.

Item 7.5 of the R-to-C

Given the vehicular access point linking with adjacent RBL No. 1192 would serve for ingress only as per the updated Master Layout Plan (Annex II of the R-to-C), preliminarily I have no further comment on such proposal.

Items 7.1, 7.2, 7.3, 7.6 and 7.7 of the R-to-C

While noting your response on the captioned items, please note that our comments shall remain valid.

Regards,
Wallis LI
ES/PFL (Atg.), DLO/HKW&S
Lands Department
Tel: 2835 1605

From: [REDACTED]

Sent: Friday, June 26, 2026 1:46 PM

To: [REDACTED]

Cc: [REDACTED]

Subject: Application No. A/H10/98 - Advanced Copy (LandsD)

Dear Mr. Tsang,

With reference to the captioned Section 16 Planning Application for the Proposed Residential Institution (Student Hostel) at Middleton Towers, 140 Pokfulam Road (RBL No. 825 RP) (Application No. A/H10/98), we acknowledge receipt of your comments via the Planning Department on 25 June 2026.

Please find enclosed our responses for your preliminary review prior to formal submission to the Town Planning Board. We would particularly draw your attention to Items 7.4 and 7.5, which include further clarifications.

Should you have any queries, please feel free to contact us for further discussion.

In light of the tight schedule leading up to the TPB meeting on **10 July 2026**, we would be grateful if you could provide your confirmation of no further comments by **30 June 2026**.

Kind Regards,

Winnie Hung

[illegible]

Prepared by

Ramboll Hong Kong Limited

REDEVELOPMENT OF MIDDLETON TOWERS AT POK FU LAM

WATER SUPPLY IMPACT ASSESSMENT

Date July 2026

Prepared by Sally Chiu
Assistant Environmental Consultant

Signed 

Approved by Tony Cheng
Senior Manager

Signed 

Project Reference AECHUMT_EI00

Document No. R10050_v1.0_260505.docx

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FIGURES

Figure 1.1 Location of Subject Site and Its Environs

APPENDICES

- Appendix 1.1 The Typical Floor Plans of the Planning Statement
- Appendix 2.1 Water Main Records Provided by Client
- Appendix 2.2 Detailed Water Supply Impact Assessment Calculations

1. INTRODUCTION

1.1 Project Background

- 1.1.1 The Subject Site is mainly zoned as “Residential (Group C)” (“R(C)”) with minor portion zoned as “Green Belt” (“GB”) under the Approved Pok Fu Lam Outline Zoning Plan (OZP) (No. S/H10/23). It is generally surrounded by University Hall to the southeast, Woodbury Court to the southwest, and Alberose to the northwest.
- 1.1.2 Figure 1.1 shows the location of the Subject Site and its environment.
- 1.1.3 The Water Supply Impact Assessment (WSIA) is prepared as a technical supporting document to estimate the water demand arising from the Proposed use.

1.2 Proposed Use

- 1.2.1 It consists of student hostel. Development Parameters for the Proposed use is summarised below.

Table 1.1 Development Parameters for Proposed Use

	Parameters
Site Area (m²)	8,900
No. of Student Hostel (Rooms)	900

- 1.2.2 The typical floor plans of the planning statement of the Proposed use are shown in Appendix 1.1
- 1.2.3 The tentative completion year for the Proposed use is 2028.

2. WATER SUPPLY IMPACT ASSESSMENT

2.1 Scope of Work

2.1.1 The aim of this study is to assess whether the capacity of the existing water supply facilities serving the Subject Site is sufficient to cope with the water demands from the Proposed use. Data and record plans from Water Supplies Department (WSD) were obtained to facilitate the WSIA.

2.2 Assessment Criteria and Methodology

2.2.1 The Proposed use will be served by Pokfulam No.1 Fresh Water Service Reservoir and Pok Fu Lam Salt Water Service Reservoir (PSL SWSR), which has a capacity of 1,184m³ and 2,000m³ respectively. There is existing water main in the vicinity of the sites. The existing water supply network is shown in Appendix 2.1.

2.2.2 Reference has been made to the Water Supplies Department's Departmental Instruction 1309 (WSD DI 1309), as well as Environmental Protection Department's (EPD's) Guidelines for Estimating Sewage Flows for Sewage Infrastructure Planning (GESF). In addition, Planning Department's (PlanD) Commercial and Industrial Floor Space Utilization Survey (CIFUS) have also been used.

2.2.3 WSD DI 1309 sets out the design criteria for water supplies in Hong Kong and includes unit water demands for various classes of consumer. Apart from the above, EPD's GESF includes unit sewage flow factors for various residential development.

2.2.4 For this WSIA, WSD's data from DI 1309 has been referenced to provide unit water demands for the various population categories with the relevant EPD GESF unit sewage flow factors to determine overall unit water demand factors. PlanD's CIFUS has been also referenced for calculation of the population density where necessary.

2.2.5 The unit water demand has been combined with the relevant development parameters to assess the future water demands, from which the potential impacts have been assessed. Calculations for the water demands of the Proposed use are included in Appendix 2.2.

2.3 Assessment of Water Demand

2.3.1 The water demand from the Existing use and Proposed use have been assessed in Table 2.1 below and detailed calculation is shown in Appendix 2.2.

Table 2.1 Water Demand from the Existing use and Proposed use

	Daily Water Demand (m ³ /day)	Peaking Factor	Peak Water Demand (m ³ /day)
Existing Use			
Freshwater ^(a) - for Tower 1,2 & 3	68.5 & 18.3	3 & 2	(205.5+36.6) 242.1
Flushing Water–For Tower 3 only	9.1	2	18.2
Proposed Use			
Freshwater	225	3	675

Flushing Water	90	2	180
Increased Water Demand (m ³ /day)			
Freshwater	432.9		
Flushing Water	161.8		

Remark:

(a) As confirm with HKU, the toilet flushing of the existing development Tower 1 & 2 were using fresh water main.

2.4 Fire-Fighting

- 2.4.1 Fire-fighting requirement for residential zone is 6,000m³/day with discharge pressure of 17m head. The fire hydrant should be of standard pattern with minimum output pressure of not less than 25 psi. With multiple hydrants operating at the same time, total output of not less than 4,000L/min shall last for 60 minutes. summarizes the fire-fighting requirements. Table 2.2 summarizes the fire-fighting requirements.

Table 2.2 Fire Fighting Requirements

Requirements	Minimum Values
Minimum fresh water supply	6,000 m ³ /day
Discharge pressure	17m
Minimum output not less than 25 psi	4,000 L/min (5,760m ³ /day) which lasts for an hour (i.e., 4,000x60 = 240,000L/hour/day or 240m ³ /hour/day)

2.5 Existing Water Supply System

- 2.5.1 Appendix 2.1 shows the existing fresh water and flushing water supply scheme.

2.5.2 Regarding the fresh water supply, there is an existing 100mm fresh water main located to the northwest of the Subject Site, which tees off from an existing 200mm fresh water main. The existing development currently utilizes approximately 17% of this 200mm main. While the fresh water main arrangement for the Proposed use will remain unchanged from the existing configuration, the Proposed Use is projected to utilize 66% of the existing 100mm fresh water main's capacity.

2.5.3 Regarding the flushing water supply, an existing 100mm flushing water main is located to the west of the Subject Site. The saltwater main arrangement for the Proposed Use will connect to this existing 100mm main. Approximately 18% of the existing 100mm saltwater main's capacity will be utilized by the Proposed Use.

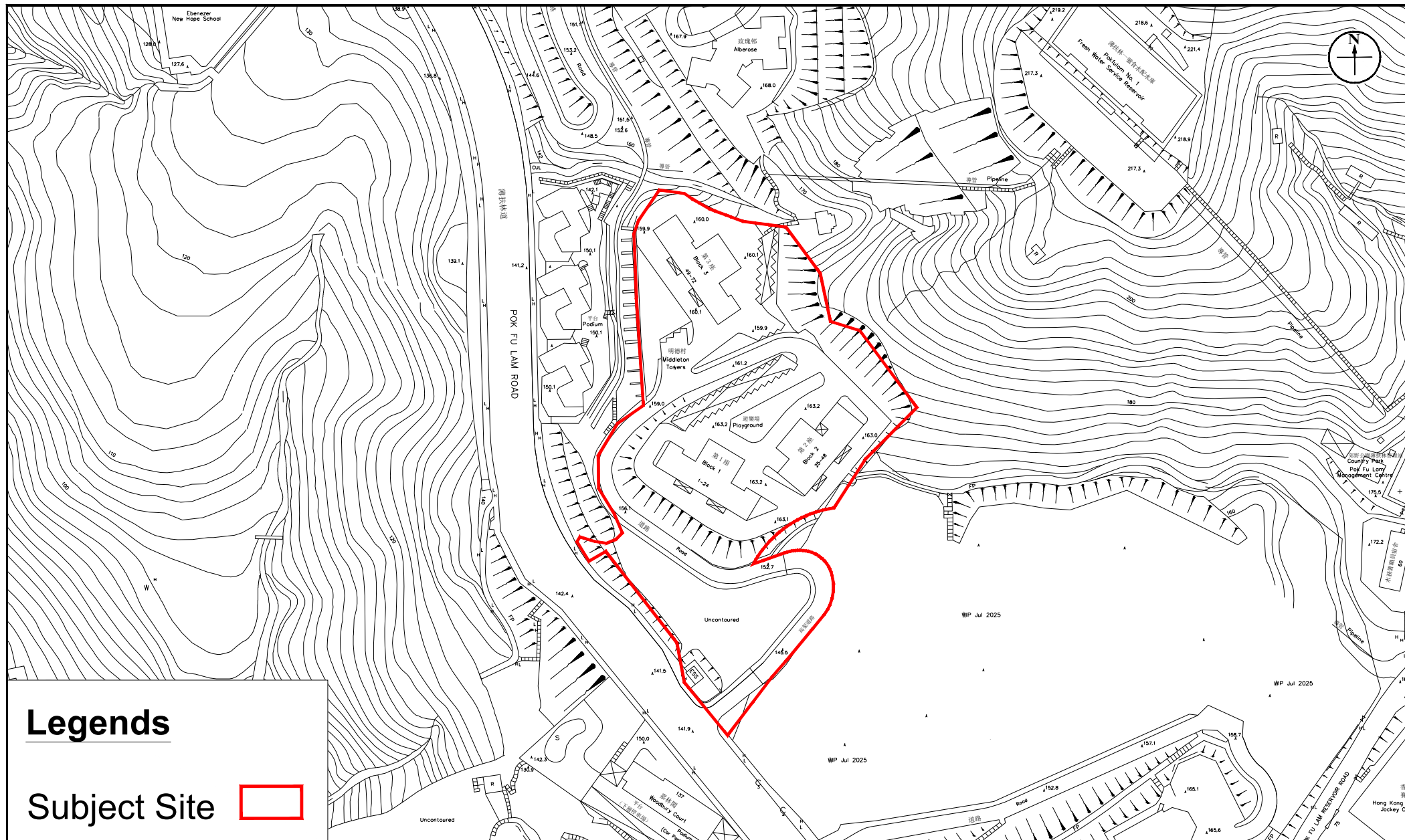
2.6 Construction and Maintenance

- 2.6.1 The responsibility for operation and maintenance of the waterworks will be discussed and agreed with WSD and relevant departments during detailed design stage.

3. CONCLUSION

- 3.1.1 The water supply impact assessment has been carried out for the Proposed use. The assessment results show that the peak freshwater and flushing water demand for the Proposed use is 675 m³/day and 180 m³/day.
- 3.1.2 Connections of the existing water mains to serve the Proposed use will remain unchanged as the existing development. Based on the assessment, the existing water main are adequate to serve the Proposed use. No upgrading works of the existing pumping stations, service reservoirs and water mains are recommended.
- 3.1.3 The responsibility for operation and maintenance of the proposed waterworks will be discussed and agreed with WSD and relevant departments during detailed design stage.
- 3.1.4 It is concluded that the Proposed use can be implemented without insurmountable water supply impacts.

Figures



Legends

Subject Site



Figure: 1.1

Title: Location of Subject Site and its Environs

Project: Redevelopment of Middleton Towers at Pok Fu Lam

RAMBOLL

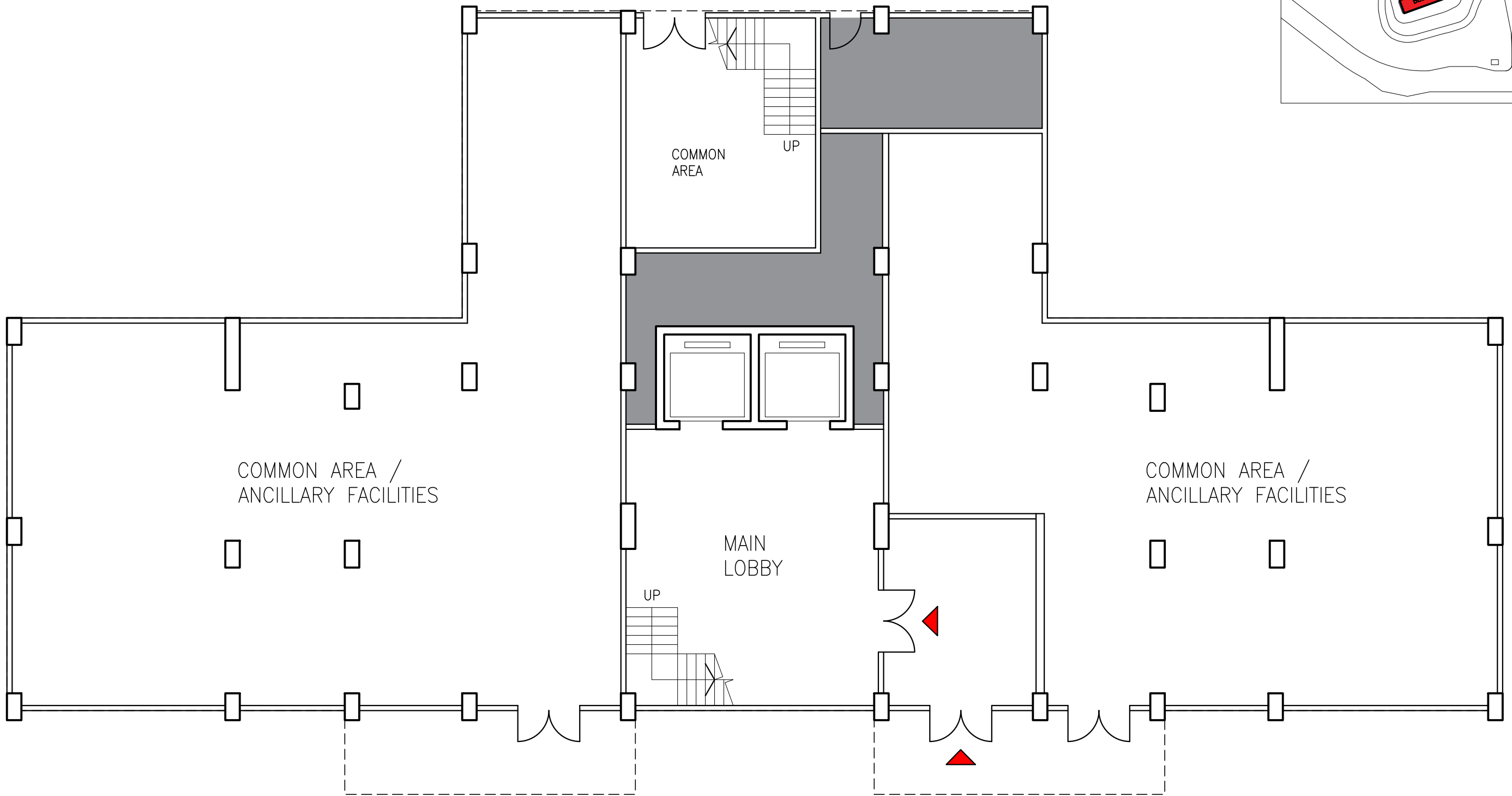
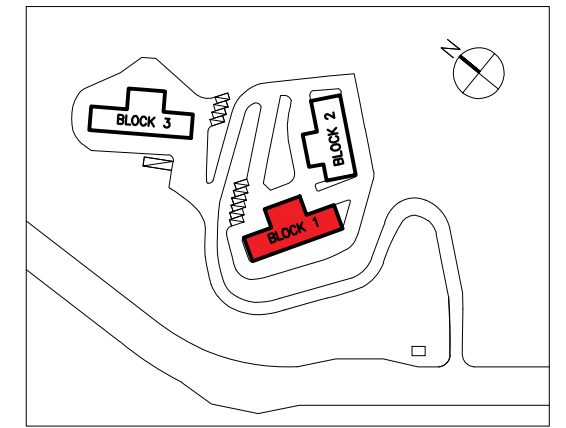
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Checked by: TC

Rev.: 1.0

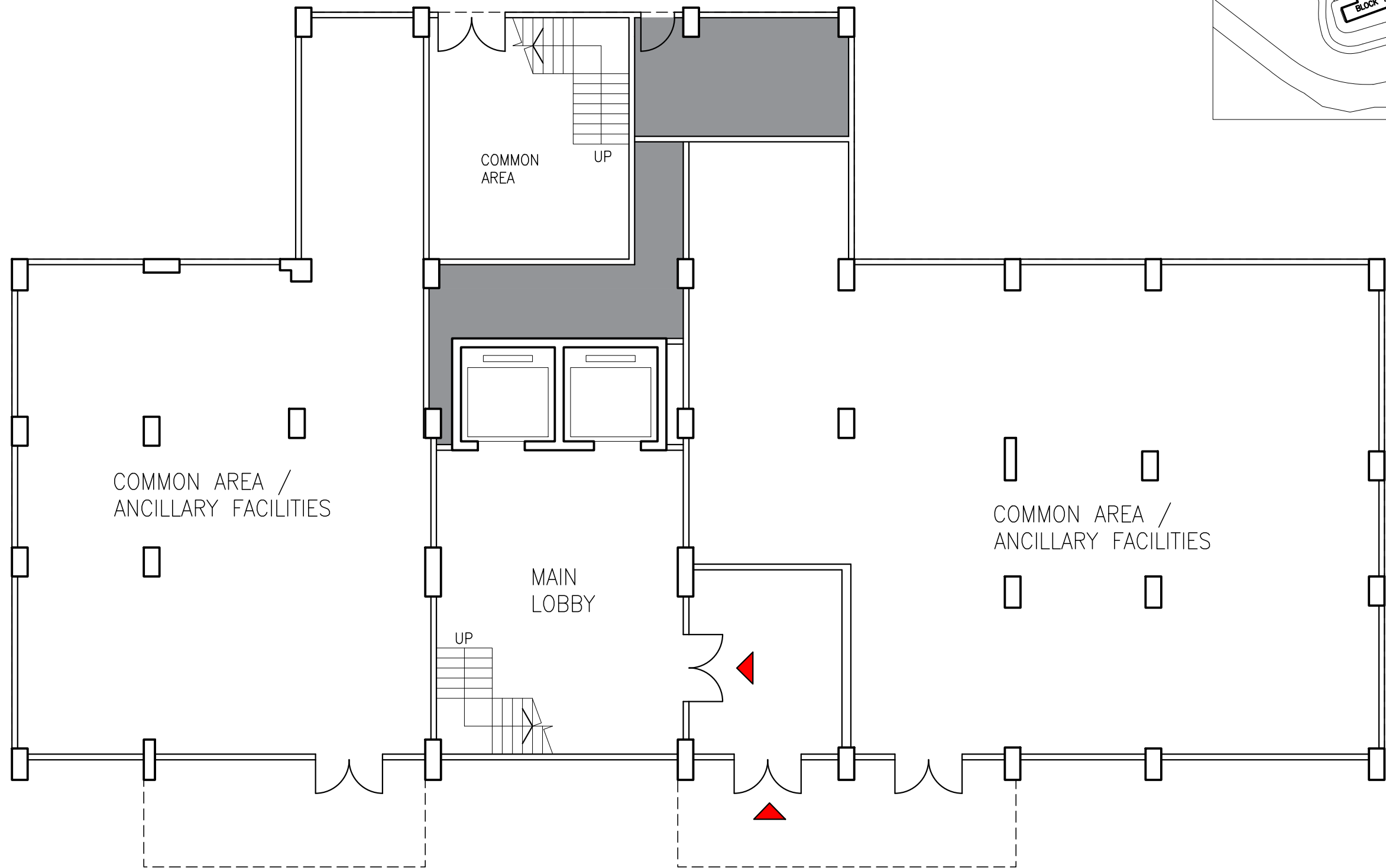
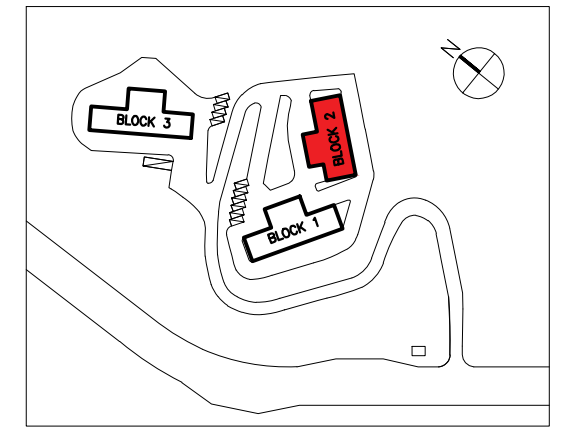
Date: Feb 2026

Appendix 1.1 The Typical Floor Plans of the Planning Statement



BLOCK 1 – G/F LAYOUT

SCALE 1:100



BLOCK 2 – G/F LAYOUT

SCALE 1:100



BLOCK 2 TYPICAL (1/F – 12/F ; 12 STOREYS)

SCALE 1:100

BLOCK B TYPICAL FLOOR = 23 UNITS APPROX.

BLOCK 1 TO 3

TOTAL PROPOSED UNITS = 900 UNITS
 BLOCK 1 TYP = 26 APPROX.
 BLOCK 2 TYP = 23 APPROX.
 BLOCK 3 TYP = 26 APPROX.
 SUBJECT TO FUTURE DETAIL DESIGN



BLOCK 2 WITH ACCESSIBLE ROOM

SCALE 1:100

BLOCK B TYPICAL FLOOR = 23 UNITS APPROX.

BLOCK 1 TO 3

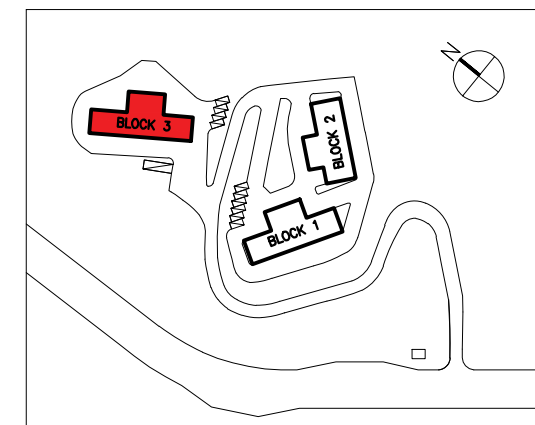
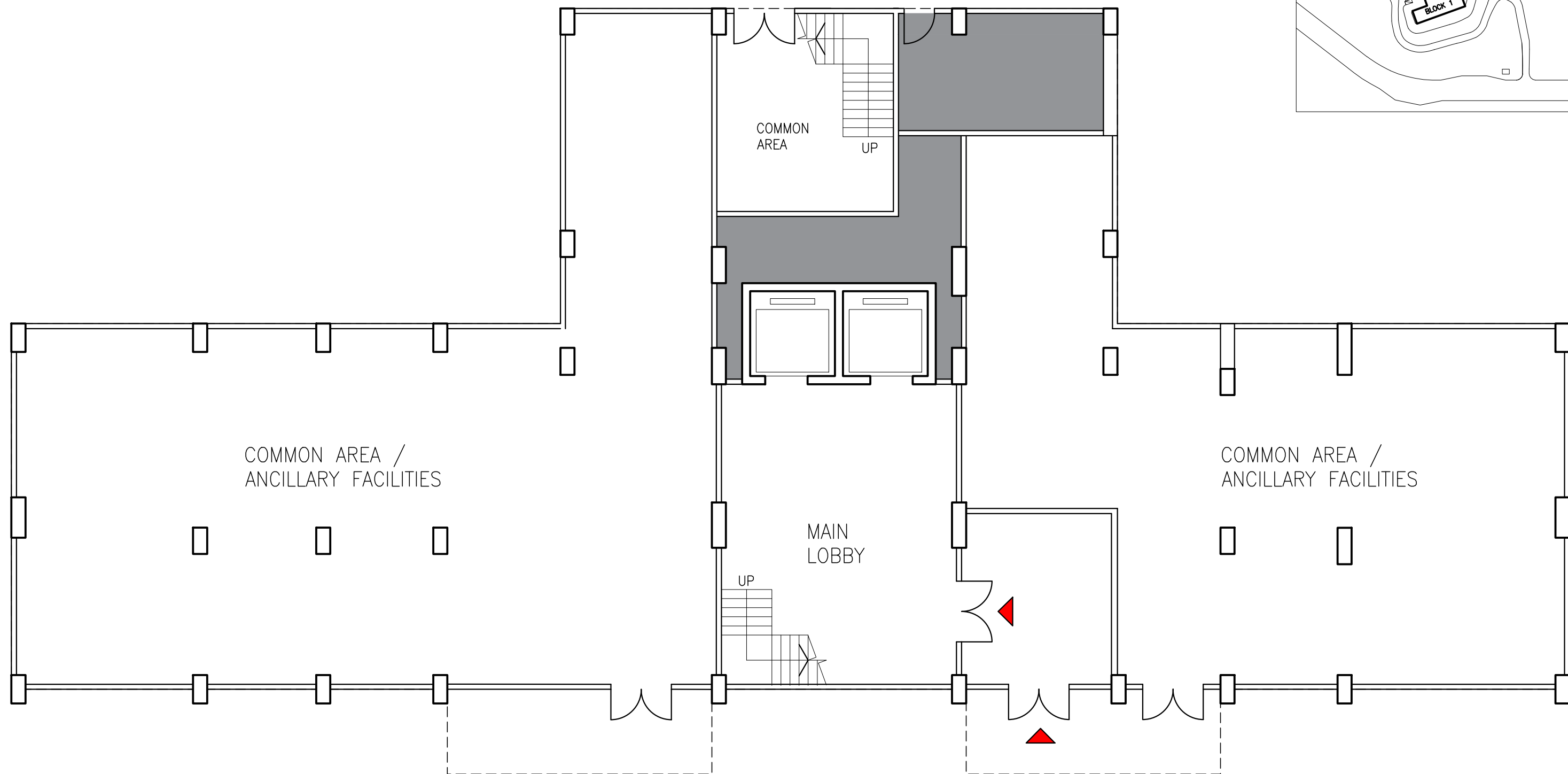
TOTAL PROPOSED UNITS = 900 UNITS

BLOCK 1 TYP = 26 APPROX.

BLOCK 2 TYP = 23 APPROX.

BLOCK 3 TYP = 26 APPROX.

SUBJECT TO FUTURE DETAIL DESIGN



BLOCK 3 – G/F LAYOUT

SCALE 1:100



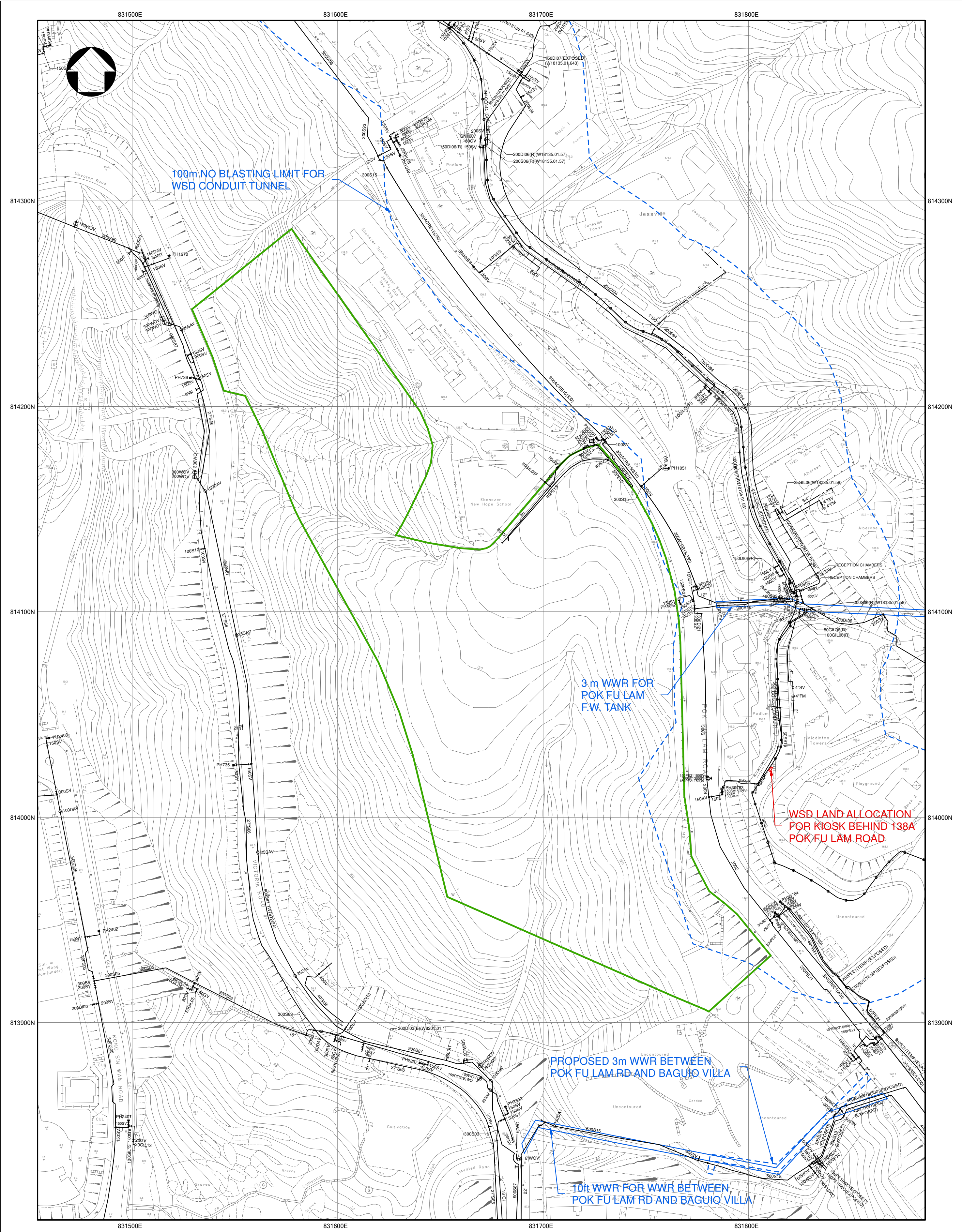
BLOCK 3 TYP (1/F – 12/F ; 12 STOREYS)
 SCALE 1:100

BLOCK C TYPICAL FLOOR = 26 UNITS APPROX.

BLOCK 1 TO 3

TOTAL PROPOSED UNITS = 900 UNITS
 BLOCK 1 TYP = 26 APPROX.
 BLOCK 2 TYP = 23 APPROX.
 BLOCK 3 TYP = 26 APPROX.
 SUBJECT TO FUTURE DETAIL DESIGN

Appendix 2.1 Water Main Records



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 3. INFORMATION ON ALIGNMENT OF MAINS IS OF INDICATIVE VALUE ONLY. WHERE POSITIONAL ACCURACY MAY BE OF IMPORTANCE, DETAILS SHOULD BE SITE CHECKED.
 4. FOR MAINS RECORDS SIGN CONVENTIONS AND DESIGNATIONS SEE SKETCH NO. 3988.
 5. NO PROPOSED WATER MAINS IN THE VICINITY OF THE SITE.
 6. THE SITE IS NOT WITHIN WSD GATHERING GROUNDS.

SUBJECT SITE

PART COPY OF FRESH WATER MAINS RECORD PLAN(S)

W67880/11-SW-16B & 17A

FILE REF: (3) IN WSD/M/SP 3055/41S/25 PT.1

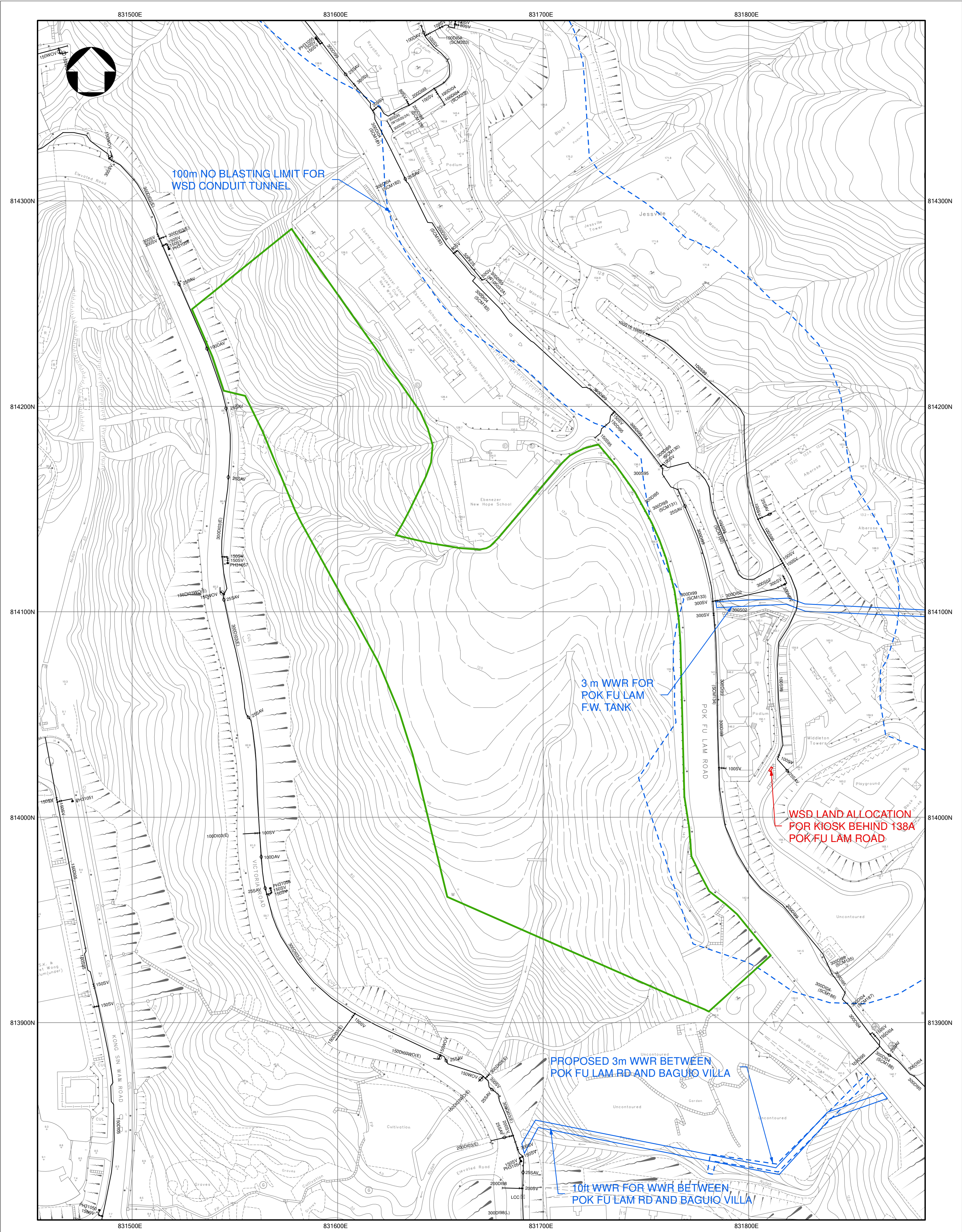
REF. CODE: 02W26M

SHEET 1 OF 1

SCALE 1:1200



水務署
Water Supplies Department



- NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED.
 2. ALL LEVELS ARE IN METRES ABOVE PRINCIPAL DATUM.
 3. INFORMATION ON ALIGNMENT OF MAINS IS OF INDICATIVE VALUE ONLY. WHERE POSITIONAL ACCURACY MAY BE OF IMPORTANCE, DETAILS SHOULD BE SITE CHECKED.
 4. FOR MAINS RECORDS SIGN CONVENTIONS AND DESIGNATIONS SEE SKETCH NO. 3988.
 5. NO PROPOSED WATER MAINS IN THE VICINITY OF THE SITE.
 6. THE SITE IS NOT WITHIN WSD GATHERING GROUNDS.

SUBJECT SITE

PART COPY OF SALT WATER MAINS RECORD PLAN(S)

W67881/11-SW-16B & 17A

FILE REF: (3) IN WSD/M/SP 3055/41S/25 PT.1

REF. CODE: 02W26M

SHEET 1 OF 1

SCALE 1:1200



水務署
Water Supplies Department

Appendix 2.2 Detailed Water Supply Impact Assessment Calculations

Table 1 - Population Estimation

Future Condition	Student Hall (Block 1)		
	Total number of residents (students)	=	300 people
	Student Hostel (Block 2)		
	Total number of residents (students)	=	300 people
	Student Hostel (Block 3)		
Existing Condition	Total number of residents (students)	=	300 people
	Total Employee =		0 people
	Total A+B+C =		900 people
	Student Hall (Tower 1-3)		
	Total number of residents (students) - Tower 1 &2	=	183 people
Existing Condition	Total number of residents (students)- Tower 3	=	91 people
	Total number of staff (living on site)	=	14 people
	Total Employee =		14 people
	Total Residents =		274 people

Table 2a - Existing Daily Water Demands Calculation

Type	Population (head)	Freshwater		Flushing Water	
		Daily Unit Demand (m ³ /head/day)	Daily Demand (m ³ /day)	Daily Unit Demand (m ³ /head/day)	Daily Demand (m ³ /day)
Housing R1 -Tower 1 &2	183	0.250	45.8	0.100	18.3
Housing R1- Tower 3	91	0.250	22.8	0.100	9.1
TOTAL			68.5		27.4

Total Freshwater Demand (m³/day) = **86.8 m³/day**

Total Flushing water Demand (m³/day) = **9.1 m³/day**

Note:

1. As confirm with HKU, the toilet flushing of the existing development Tower 1 &2 were using fresh water main.

Table 2a - Future Daily Water Demands Calculation

Type	Population (head)	Freshwater		Flushing Water	
		Daily Unit Demand (m ³ /head/day)	Daily Demand (m ³ /day)	Daily Unit Demand (m ³ /head/day)	Daily Demand (m ³ /day)
Housing R1 (Tower 1+2+3)	900	0.250	225.00	0.100	90.00
TOTAL			225.0		90.0

Total Freshwater Demand (m³/day) = **225.0 m³/day**

Total Flushing water Demand (m³/day) = **90.0 m³/day**

Note:

1. For Domestic and Service Trade uses, the Daily Unit Demand Rate refer to WSD Departmental Instruction 1309 (DI 1309)
2. Service Trade (Pok Fu Lam Supply Zone) of 0.02 m³/day is adopted for fresh water demand

Water Main Assessment of the Proposed Water Supply Systems

Table 3a Hydraulic Capacity of the Existing Fresh Water Main

Type	Portion ⁽⁴⁾	Diameter (mm)	Peak factor ⁽¹⁾	Fresh Water Demand, Q (cu. m/day) ⁽³⁾	Area (m ²)	Peak factor ⁽¹⁾	Saltwater Demand, Q (cu. m/day)	Factored Q (cu. m/s)	Velocity of Water Main (m/s) ⁽²⁾	Flow Rate of Water Main (m ³ /s)	% of water main occupied by the Proposed Site
Existing Use- Tower 1,2,3	100 GIL	100	3	45.8	0.008	-	-	0.007	1.50	0.012	56%
				22.8		2	18.30				

Table 3b Hydraulic Capacity of the Flushing Water Main for Future Scanario

Type	Portion	Diameter (mm)	Peak factor ⁽¹⁾	Demand, Q (cu. m/day)	Area (m ²)	Factored Q (cu. m/s)	Velocity of Water Main (m/s) ⁽²⁾	Flow Rate of Water Main (m ³ /s)	% of water main occupied by the Proposed Site
Existing Use- Tower 3	100 GIL	100	2	9.1	0.008	0.000	1.50	0.012	2%

Table 3c Hydraulic Capacity of Fresh Water Main for Future Condition

Type	Portion	Diameter (mm)	Peak factor ⁽¹⁾	Fresh Water Demand, Q (cu. m/day)	Area (m ²)	Factored Q (cu. m/s)	Velocity of Water Main (m/s) ⁽²⁾	Flow Rate of Water Main (m ³ /s)	% of water main occupied by the Proposed Site
Block 1+2+3	100 GIL	100	3	225.0	0.008	0.008	1.50	0.012	66%

Type	Portion	Diameter (mm) ⁽³⁾	Peak factor ⁽¹⁾	Fresh Water Demand, Q (cu. m/day)	Area (m ²)	Factored Q (cu. m/s)	Velocity of Water Main (m/s) ⁽²⁾	Flow Rate of Water Main (m ³ /s)	% of water main occupied by the Proposed Site
Block 1+2+3	200 SV	200	3	225.0	0.031	0.008	1.50	0.047	17%

⁽¹⁾ Peak factor for distribution mains refers to Departmental Instruction No. 1309 from WSD

⁽²⁾ Velocity of 1.5m/s is assumed

Table 3d Hydraulic Capacity of the Flushing Water Main for Future Scanario

Type	Portion	Diameter (mm)	Peak factor ⁽¹⁾	Demand, Q (cu. m/day)	Area (m ²)	Factored Q (cu. m/s)	Velocity of Water Main (m/s) ⁽²⁾	Flow Rate of Water Main (m ³ /s)	% of water main occupied by the Proposed Site
Block 1+2+3	100SV	100	2	90.0	0.008	0.002	1.50	0.012	18%

⁽¹⁾ Peak factor for distribution mains refers to Departmental Instruction No. 1309 from WSD

⁽²⁾ Velocity of 1.5m/s is assumed