Appendix A

Response-to-Comment table

Comments from Related Departments **Page No.**

COMMENTS FROM RELATED DEPARTMENTS

<table>
<tr><th>No.</th><th>Comments</th><th>Responses</th></tr>
<tr><td>1.</td><td>Water Supplies Department, New Works Branch, Construction Division, System Planning Section, dated 9 June 2025

1. Please note the following comments on the Revised Water Supply Impact Assessment.

a) Table 5.1 - Mean daily demands (MDD) of the swimming pool and the residential building are almost the same. Please critically review the normal operation of the swimming pool and revise the MDD of the swimming pool accordingly.

b) Para. 5.3.1 - It is noted that the estimated peak flow velocity of the proposed fresh water main is 0.888 m/s approximately. Please adopt a minimum flow velocity of 0.9m/s under peak flow condition and review the size of the proposed fresh water mains.

c) Please note the flow velocity limit for fresh water and salt water distribution mains in the following table.

<table>
<tr><th>Water Main</th><th>Pipe Diameter (mm)</th><th>Flow Velocity (m/s)</th></tr>
<tr><td rowspan="4">Fresh</td><td>> DN700</td><td>3</td></tr>
<tr><td>DN700 – DN525</td><td>2.5</td></tr>
<tr><td>DN450 – DN375</td><td>2</td></tr>
<tr><td>< DN300</td><td>1.5</td></tr>
<tr><td rowspan="4">Salt</td><td>≥ DN1000</td><td>3</td></tr>
<tr><td>DN900 – DN800</td><td>2.5</td></tr>
<tr><td>DN700 – DN525</td><td>2</td></tr>
<tr><td>< DN450</td><td>1.5</td></tr>
</table>
</td><td>Please be advised that the MDD of the swimming pool was calculated by the proposed size of pool as mentioned in Table 2.2 of the Water Supply Impact Assessment. The swimming pool will be filled up and discharged daily during non-peak hours only. The proposed dimensions are indicative only and subject to change/ refinement at the detailed design stage.

Based on the assessment result, the total peak freshwater and flushing water demand of the proposed residential development (including the swimming pool) will only account for a minimal percentage of the design capacity of the PKAFWSR (only merely around 5.06% of 15,281/m3 design capacity of the PKAFWSR) and there will be no insurmountable impacts caused by the proposed development on the surrounding from the water supply perspective.

Noted. The proposed pipe diameter has been revised. The velocity is 0.918 m/s in fulfillment of the minimum velocity requirement. Please refer to the revised Water Supply Impact Assessment (WSIA).

Noted. The velocities have been reviewed without exceeding the maximum velocity requirements in the attached table.</td></tr>
</table>

No.	Comments	Responses
	d) Appendix B - Hydraulic Calculation for Proposed Water Mains - Calculation of the residual pressure head is "Total Head" - "Head Loss". Please review and revise the head loss calculation accordingly.	Noted. The residual head calculations have been updated in Appendix B of the revised WSIA.
2.	**Water Supplies Department, New Works Branch, Construction Division, System Planning Section, dated 16 July 2025**	
	i. The unit demand for flushing in nearby areas such as Tseung Kwan O is 119 l/h/d, please adopt it to the proposed flushing water demand calculation.	Noted. Please be advised that the unit demand for flushing is updated to 119 l/h/d. The total demand for flushing is revised from about 55m3/d to 89.96m3/d, and the total fresh and flushing demand is revised from 773.34m3/d to 814.09m3/d.
	ii. It is anticipated that the existing water supply system does not have spare capacity to provide freshand flushing water supply to the proposed development. Thus, the project proponent should assess the impact of the development on the existing water supply system and recommend/implement mitigation measures including but not limited to the laying of water main from 西貢公立學校 to the site, etc.	Noted. In view of the comment, laying of a new DN250 freshwater main from 西貢公立學校 to the Development site is proposed as shown on Drawing no. 5232316-ARAL-WIA-1002. A tee from the existing DN250 freshwater main at 西貢公立學校 towards the Application Site is proposed. The proposed DN250 fresh water main will also be connected with the existing DN250 fresh water main near the Site to form a ring main to enhance reliability of water supply. (Please refer to Drawing 5232316-ARAL-WIA-1002.) Please be advised that the existing DN250 from the 西貢公立學校 to the development site will be avoided and will not be affected. The existing water supply system will have sufficient capacity. A separate connection for flushing to the Site is provided. (Please refer to Drawing 5232316-ARAL-WIA-1002.) Please refer to the revised hydraulic calculations in Appendix B of the revised WSIA, which includes the calculations of the proposed DN250 freshwater main from 西貢公立學校. Please note the above proposal is indicative only at this early planning stage. The

No.	Comments	Responses
		Applicant is committed to explore in more detail with WSD on the eventual need and type of water supply proposal as part of approval conditions should the planning application is approved by the TPB.

(Last updated 11 Sep 2025)