

Appendix A

Replacement Page of
Tree Survey and
Tree Treatment Proposal

The above proposal outlines the proposed landscape design, along with the limitations imposed by the current site constraints as listed in the Space Allocation Diagram in **Table 4** and Tree Planting Plan in **Appendix 5-3**.

Table 4: Space Allocation Diagram

Space Allocation Diagram	
Items	Area (approx. %)
(A) Areas reserved for necessary and basic facilities for Proposed Pump Station	64%
• Building footprint	42%
• Hardscape & maintenance area	22%
(B) Topographical constraints – Slope gradient of over 30 degrees	10%
(C) Utilization of available planting space	26%
• Available and feasible tree planting area	26%
Total Site Area= (A) + (B) + (C)	100%

(A) Areas reserved for necessary and basic facilities for the Proposed Pump Station

Only a minimal footprint is proposed for the Pump Station with a minimum required size of 237m². Other provisions, such as hard paved maintenance area are considered basic and essential to the development of Proposed Pump Station.

(B) Topographical constraints – Slope gradient of over 30 degrees

Despite part of SIMAR Slope Feature No. 7SW-D/FR54 being re-levelled, around 10% of the slope in the vicinity remains at a slope gradient of over 30 degrees. According to GEO Publication No. 1/2011, this gradient is not suitable for tree planting. Please refer to the attached “Tree Planting Plan” which indicates the extent of the slope gradient of over 30 degrees. For healthy and sustainable tree growth on slope gradient of over 30 degrees, sufficient spacing for new tree planting has to be considered to achieve future optimal landscape value on slope.

(C) Utilization of available planting space

The Applicant has fully utilized all available and feasible spaces for tree planting within the development limits and constraints mentioned above. All areas previously required for the construction of Proposed Pump Station have been allocated for new tree planting. Provided that a 1:1 compensation ratio in terms of quantity is adopted (i.e. 25 nos. new trees), it would occupy at least four times the current available planting space. With the principle of “right tree right place”, the Applicant aims to achieve high-quality landscaping, tree planting with sufficient planting space should be prioritized.

Due to existing site constraints, replanting ratio of **1:0.44** in terms of quantity is the best we can achieve, with regards to the guidelines of *DEVB TC(W) No. 04/2020* replanting ratio of 1:1 may **NOT** be applied for trees growing on slope. To replenish the loss of greenery, new trees of higher ecological and aesthetic value are proposed. Nevertheless, the Applicant has maximized all available and feasible area for new tree planting. Consequently, **11** native trees are the optimal number we can achieve given the constraints. Refer to Tree Planting Plan in **Appendix 5-3**.