

Response to DSD's comments (MKT37) - 2 September 2024

<p>1. Our previous comments (a) & (c) have not been addressed. The applicant should identify the existing streamcourse within the site and study for mitigation measures. For clarity, I mark the concerned streamcourse on plan for reference.</p>	<p>Please see the enclosed photos and Revised Figure 3.</p>
<p>2. Our previous comment (d) have not been addressed. The discharge path, from CP15 to the downstream streamcourse, and the flow path of the downstream streamcourse still cannot be clearly identified in the drainage plan. With increase of impermeable surface area, there would be additional surface runoff to be discharged to the existing streamcourse. Please evaluate if the existing drainage downstream have adequate capacity and satisfactory condition to cater for the discharge from the development.</p>	<p>As we are not be able to obtain the drainage design for the existing streamcourse from DSD, we have made the assumption:</p> <ol style="list-style-type: none"> 1. based on the survey map from Lands D, the catchment area of existing streamcourse is at least 54816m² (see Figure A); 2. for soil surface, it is assumed that the value of run-off co-efficient (k) is taken as 0.7. 3. Refer to our previous drainage design submission, the area of the entire catchment of is approximately 5,100m and Q was 24,650 l/min; 4. if use k = 0.7, Q was 17,255 l/min, compared to impermeable surface, the additional surface runoff is about 7,395 l/min; 5. Q for existing downward streamcourse is over 200,000 l/min 6. is is therefore, the additional surface runoff (7,395 l/min) compared to the existing surface runoff (200,992 l/min) of downstream is insignificant.
<p>3. Please improve the readability and clarity of the labels/designations on drainage plan.</p>	<p>Noted.</p>
<p>4. Please advise if boundary wall/fencing will be erected and if they would interfere with overland flow from external catchment area.</p>	<p>The hoarding erected along the boundary will be cut and maintain 100mm "gap" from the ground level in order not to block the overland flow from the external catchment area.</p>