

Ref No. BPU/04/2019

Date: 08 April 2019

Owners, Developers, Architects, Engineers, Contractors and Builders

Dear Sir/Madam

CHART FOR ONLINE DETENTION SYSTEM AND INFORMATION TO BE PROVIDED

Since 2014, commercial, industrial, institutional and residential developments with an affected area greater than or equal to 0.2 hectares in size, are required to comply with the maximum allowable peak runoff specified in the Code of Practice on Surface Water Drainage. Measures to achieve this requirement include the implementation of detention systems and/or ABC Waters design features.

2 To help the industry in preparing its submissions, PUB has developed a chart for the industry's use. While the chart can be used to quickly estimate the volume of an online detention system and thereby work out the indicative dimensions, the qualified person is still responsible for the design of the detention system.

3 The following details will need to be provided with the submission to PUB

- Development Control (DC): The proposed location, dimensions and volume of the online detention system has to be indicated in the submission.
- Detailed Plan (DP): The design details (such as calculations and/or hydraulic model results) showing how the proposed detention system meets the required peak runoff shall be submitted and endorsed by a PE(Civil).

4 The chart and the technical guide for on-site stormwater detention tank systems can be downloaded from PUB's website via:

<https://www.pub.gov.sg/compliance/qualifiedpersonsportal/processflow>

5 Should you have further queries, please contact Ms Lim Bi Shi at Lim_Bi_Shi@pub.gov.sg

Yours faithfully,



Goh Pin Cheh
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CENTRALISED SERVICES DEPARTMENT
PUB, SINGAPORE'S NATIONAL WATER AGENCY