

## PREPARING YOUR DEVELOPMENT CONTROL (DC) SUBMISSION

Having a complete Development Control submission helps reduce the need for resubmissions and speeds up processing.

Here are some tips to consider when preparing your DC submission:

### Drainage DC Submission

- Provide a Cover letter with clear caption.
- Do ensure that all levels are clearly indicated in your plans
  - Platform levels (1<sup>st</sup> storey plan).
  - If you have a basement, indicate the crest level and swan neck level for the pumped drainage system
  - The existing/proposed road or ground levels (site plan & 1<sup>st</sup> storey plan). This information is needed to determine the required MPL for the development
- For existing and proposed internal drains, indicate the alignment, type, size, flow direction, summit point and discharge point(s).
- Vertical grating shall be installed at the outlet discharge point(s) of the internal drain located within the development site. The details and location must be indicated (1<sup>st</sup> storey plan).
- All voids which are open to sky and allows storm water to enter into the basement/underground facilities must be clearly indicated on site and 1<sup>st</sup> storey plans.
- Do ensure the standard drainage endorsements are certified on plan before your DC submission to us.

**If there is a Detention Tank Systems, please include the following in the DC Submission.**

- A catchment map of the development showing **total catchment area, number of sub-catchment** (if any) and number of discharge points.
- **Type and description** of detention system(s) used (e.g online or offline system, pumped or gravity discharge etc).
- Details of the proposed detention tank , **endorsed by PE**, (including **longitudinal section and cross section**).
- The **effective depth of the detention tank(s)**, pumping facilities (if applicable), the tank discharge connection(s) to the internal drainage system and the discharge point(s) to the public drainage system.
- Proposed **nos. of pumps** and the **activation/ termination levels** (for pumped detention system)
- PE's **calculations** for i) post development discharge, ii) allowable discharge for the individual detention tank system, iii) computation of detention tank volume and footprint, routing sheet etc.
- PE's calculation of the DT system **orifice sizes**.



**KEEPING YOU INFORMED** **Issue 7** May 2018

## Sewerage DC Submission

- Existing and proposed point of sewer connection that serve the proposed development site shall be clearly indicated on plan.
- Do ensure that the development comply with the minimum setback distance between any building structure (including footings and overhangs) and the sewer, as specified in clause 1.2.3 of Code of Practice on Sewerage and Sanitary Works.
- The top and invert levels of the manhole and inspection chamber(s) should be clearly indicated on plan.
  - The finish floor level of the development and the levels of the sanitary appliances, floor traps and inspection chambers (usually on the compound) shall be constructed suitably higher than the top level of the manhole to which the sanitary drainline is connected.
- If there is RC Trench within your development, please ensure no permanent structure is to be erected / installed over the RC trench to ensure readily access when maintenance is needed.

For more details on drainage and sewerage submissions, you may refer to our online submission guides at

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

### TECHNICAL BRIEFING SESSIONS

We have organized a series of briefing in 2018 to help you with your submissions.

Date	Topic
25 May	Managing Maximum Allowable Peak Runoff
29 Jun	Regulations and Protection of Sewerage Infrastructure and Watermains
27 Jul	Common Submission Errors

Time: **3 – 5 pm** (for all sessions)

Venue : **40 Scott Road, Environment Building (25<sup>th</sup> Floor , MEWR Hall) Singapore 228231**

Please email us your name, organization, contact number and email address to register.

Our email address **pub\_bpu@pub.gov.sg**

Contact Number: **6731 3512**

