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Dear Sir/Madam

## **REVISION TO ON-SITE STORMWATER DETENTION TANK SYSTEMS TECHNICAL GUIDE**

Please be informed that we have updated the On-Site Stormwater Detention Tank Systems Technical Guide to align with Addendum No.1 to the Code of Practice on Surface Water Drainage that was issued on 15 Apr 2021. The list of changes is listed in the technical guide and provided in Annex A of this circular for your information.

2 The technical guide is available for viewing via the weblink or the QR code provided in Annex B.

3 Should you need any further clarifications on the above matter, please email Ms. Nurul Ain Kamarudin at [Nurul\\_Ain\\_KAMARUDIN@pub.gov.sg](mailto:Nurul_Ain_KAMARUDIN@pub.gov.sg). Thank you.

Yours faithfully,

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## Annex A

S/No.	Section/Pages	Revision
1	Section 1.3 – On-site Detention and Retention Features / Page 3	“Green Roof” <i>removed and replaced with</i> “Larger perimeter drains”
2	Section 2.4 – Combined Detention - Rainwater Harvesting / Pages 5 - 6	<i>New Paragraph on Rainwater Harvesting systems with requirements and possible configurations.</i>
3	Section 3.3 – Selection of Detention Systems / Page 11	Table 3.3.1 – “Mechanically controlled valves” <i>replaced with</i> “Actuated valves”
4	Section 4.8 – Mosquito Control Considerations / Page 20	<i>Updated link to NEA website for guideline on the prevention of mosquito breeding.</i>
5	Section 4.9 – Instrumentation and Control Considerations / Page 20	<i>Replaced with:</i> “CCTVs, flow meters or water level sensors such as electrode sensors....”
6	Section 5.3 – Maintenance / Page 21	“once per year” <i>replaced with</i> “quarterly”  <i>New paragraph on submission documents to be submitted to PUB for Addendum to Clause 13.2 in Code of Practice (COP) on Surface water drainage.</i>

7	Section 6 – Submission Requirements for Proposed Detention tank Systems / Page 24	6.2 Development Control (DC) Stage  “(iv) Design calculations or modelling results as per the design calculations templates or equivalent” – <i>Removed</i>  6.3 Building Plan (BP) Stage  “(ii) Design calculations or modelling results as per the design calculations templates or equivalent” – <i>Added in</i>
8	Section 6.6 – Maintaining the Integrity of Stormwater Drainage System including Flood Protection Measures / Page 25	<i>Replaced with:</i>  “Upon obtaining the Temporary Occupation Permit (TOP), the Owner/MCST/MA/Town Council of premises with pumped detention tank systems shall make annual declarations and submissions of the following documents to PUB as stipulated in Section 13.2 of the COP:  a. Annual electrical installation license issued by EMA; b. Quarterly maintenance records of pumps; c. Quarterly maintenance records of level control system; and d. Quarterly cleaning and desilting records of tank and pump sump.
9	Appendix F – Sample of O&M Checklist for On-site Stormwater Detention Systems	<i>Updated</i> template for O&M Checklist for On-site Stormwater Detention Systems <i>consistent with</i> Addendum to Clause 13.2 in COP on Surface water drainage.

## Annex B

URL: <https://www.pub.gov.sg/Documents/detentionTank.pdf>

