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ADDENDUM NO. 1 TO CODE OF PRACTICE ON SURFACE WATER DRAINAGE (7TH EDITION)

The Code of Practice on Surface Water Drainage (COPSWD) 7th Edition was released in Dec 2018 to guide qualified persons and professional engineers in the proper planning and design of surface water drainage.

2 PUB will be issuing Addendum no. 1 to the COPSWD 7th Edition to address the feedback and comments that we have received on Clause 13.2 on Declaration for Storm Water Drainage Systems (See Annex A).

3 Please circulate the changes to your members for information. If there is need for clarification, please email Mr Jaspel Tan at jaspel_tan@pub.gov.sg or Mr Christian Budiman at christian_budiman@pub.gov.sg. Thank you.

Yours faithfully



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Annex A

**ADDENDUM NO. 1 TO CODE OF PRACTICE ON SURFACE WATER DRAINAGE
(7TH EDITION)**

Clause	COP 7 th Edition -Existing Clauses	Amended Clauses	Remarks on Changes
8.2.3	For ABC Waters design features that are designed to be part of the measures to comply with Clause 7.1.5, the developer/owner shall maintain the ABC Waters design features regularly to ensure that these features are well maintained and remain effective in serving the functions as stipulated in Clause 7.1.5. The developer/owner shall comply with the submission of documents as stipulated in Clause 13.2	For ABC Waters design features that are designed to be part of the measures to comply with Clause 7.1.5, the developer/owner shall maintain the ABC Waters design features regularly to ensure that these features are well maintained and remain effective in serving the functions as stipulated in Clause 7.1.5.	Consequential amendment to Clause 13.2.1 (iii).
13.2	Declaration on Storm Water Drainage Systems (including Flood barriers/ Pumped drainage system/ ABC Waters design features/ structural detention and retention features)	Declaration on Storm Water Drainage Systems	
13.2.1	The Developer/Owner/Managing Agent/MCST/Town Council shall declare annually upon obtaining the Temporary Occupation Permit (TOP) that the following inspections have been carried out and keep records of the following documents (where applicable). The documents shall be submitted when requested by the Board.	Upon obtaining the Temporary Occupation Permit (TOP), the Developer/Owner/Managing Agent/MCST/Town Council shall make annual declarations and submissions for the following storm water drainage systems via PUB website-Qualified Persons Portal:	To request for documents and inspection/ maintenance records to be submitted with the annual declaration to ensure that the Developer/Owner/Managing Agent/MCST/Town Council indeed maintain the automated flood protection devices and/or pumped detention systems regularly as compared to previously submit the documents only when requested.

Clause	COP 7 th Edition -Existing Clauses	Amended Clauses	Remarks on Changes
13.2.1 (i)	Certificate of inspection of flood protection measures endorsed by a PE (Civil or Mechanical). The inspection shall include on-site leak tests complying with relevant international standards or any requirements specified by the Board.	For developments installed with automated flood protection devices, a certificate of inspection of the automated flood protection device endorsed by a PE (Civil or Mechanical) together with supporting documents such as on-site leak test report and photographs shall be submitted. The inspection shall make reference to any relevant international standards or any requirements specified by the Board.	To clarify the requirement that this clause is only applicable to <u>automated flood barriers</u> . The certificate of inspection and supporting documents shall be included in the annual submission to the Board.
13.2.1 (ii)	Certificate of inspection on pumped drainage system(s) (for the basement and/or detention tank) endorsed by a PE (Mechanical or Electrical); and	For developments constructed with pumped detention tanks for detention function as stipulated in Clause 7.1.5, the following documents shall be submitted: (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.	To clarify that this clause is only applicable to pumped detention tanks for <u>source control</u> purpose. The Developer/ Owner/ MA/MCST/Town Council are required to submit the required documents to PUB <u>annually</u> .

Clause	COP 7 th Edition -Existing Clauses	Amended Clauses	Remarks on Changes
13.2.1 (iii)	Certificate of inspection on ABC Waters design features endorsed by an ABC Waters Professional who is also a PE (Civil) if these features are designed for detention functions as stipulated in Clause 7.1.5. The certificate of inspection shall contain a declaration that the ABC Waters design features are found to be functional with no reduction to its designed detention volume.	<i>(Deleted)</i>	To remove the requirement for the Developer/ Owner/ Managing Agent/ MCST/ Town Council to submit annual declaration on inspections by an ABC Waters Professional/ PE(Civil) on ABC Waters design features that are designed for detention functions.
Appendix 2, No.5	<p><u>Maintaining the Integrity of the Storm Water Drainage System including Flood Protection Measures</u></p> <p>The developer/owner/ managing agent/MCST/Town Council, shall declare annually upon obtaining the Temporary Occupation Permit (TOP) that the inspections stipulated in Clause 13.2 have been carried out and keep records of the document and submit as and when request by the Board.</p>	<p><u>Maintaining the integrity of Storm Water Drainage System</u></p> <p>Upon obtaining Temporary Occupation Permit (TOP), the Developer/Owner/Managing Agent/MCST/Town Council shall make annual declarations and submissions that the inspections to storm water drainage system as stipulated in Clause 13.2 have been carried out.</p>	Consequential amendment to Clause 13.2.

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