

1 Dec 2023

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ASSESSMENT TO REUSE DRAIN-LINE CONNECTION (FROM LAST INSPECTION CHAMBER (IC) TO PUBLIC SEWER) FOR NEW/REDEVELOPMENT PROJECTS

Background

It is stipulated in the Code of Practice on Sewerage and Sanitary Works (COPSSW) [2nd Edition - January 2019] that the drain-line connection to the public sewer for a new development or redevelopment project must have adequate capacity and be in good condition. This requirement is imposed to ensure that the sanitary system of the development can function effectively upon occupation of the development. To meet this requirement, the Qualified Person (QP) can either

- a. propose to lay a new connection or,
- b. propose to reuse the existing connection if the existing drain-line is of adequate capacity and observed to be in good condition (via CCTV).

For (b), QP shall note that where there is public sewer at a public area for connection, retaining the existing drain-line connection to neighboring premises will not be permitted¹. QP shall lay a new drain-line connection to the public sewer and hence there is no need to carry out CCTV to establish the condition of the existing drain-line connection.

Rectifications of Defective Drain-Line

2 PUB has received industry feedback of delays during the TOP/CSC stage due to additional time needed to rectify defects of the existing drain-line observed from the post-construction CCTV inspection survey. While most rectifications are straightforward, there are instances when the defective drain-line connection requires more extensive method of repair or has to be re-laid. At times, newly completed structures or finishing had to be removed to facilitate the rectification works. These could be avoided if a CCTV inspection to establish the condition of the existing drain-lines was carried out at the early stage of the project, so that the rectification works, if required, can be planned for and factored into the project schedule.

¹ QP can pre-consult PUB to confirm whether the project is allowed to reuse existing drain-line connection, before carrying out the CCTV inspection.

[NEW] Submission of CCTV Inspection Report of Existing Drain-line Connection during Development Control (DC) Stage

3 From **1 Jan 2024**, PUB will require QPs to submit, through PUB-registered CCTV contractors, the CCTV inspection report and video of the existing drain-line connection to PUB **before** the DC clearance will be issued. QPs shall also assess and indicate in the DC application whether the existing drain-line connection shall be retained, rehabilitated, or replaced. This requirement will apply to new development or redevelopment projects **specifically with the following proposals** in their plans.:

- a. Reuse of existing drain-line connection that connects into private land at neighboring units,
- b. Reuse of existing drain-line connection under other circumstances that PUB views would be technically challenging or cause significance inconvenience to neighboring units if rectification works of drain-lines were not planned for at an early stage in the project².

4 Please refer to **Annex A** for the new submission process flow from DC stage to TOP/CSC stage for new development or redevelopment projects involving the reuse of existing drain-line connection.

5 The QP shall exercise professional assessment and plan for the CCTV inspection early to avoid unnecessary project delay. Please see **Annex B** for guide to assess conditions of drain-line connection.

[NO CHANGE] Submission of CCTV Inspection Report of Drain-line Connection to Obtain PUB's Sewerage/Sanitary Clearance at TOP/CSC Stage

6 All new development or redevelopment projects that has obtained PUB's approval to reuse existing drain-line connections, shall submit a post-construction CCTV inspection report of the drain-line connection before applying for PUB's sewerage/sanitary clearance at TOP/CSC Stage. This is to ascertain that the drain-line is in good condition for use by the development upon completion of works.

² This will be communicated to the QP via a Written Direction during the DC application process.

7 If you need further clarification, please email Mr. Steven Candra at steven_candra_setiokusumo@pub.gov.sg. Thank you.

Yours faithfully



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Annex A – New submission process flow for proposal to reuse existing drain-line connection

QP to assess from the CCTV inspection report/video whether the existing drain-line connection is fit to be retained or need to be replaced/rehabilitated. Otherwise, a new drain-line connection is to be constructed. See **Annex B** for guidance.



DC stage

For new development or redevelopment projects involving proposals listed in para 3 of the Circular

QP shall submit a DC application to PUB via Corenet indicating the existing drain-line connection and his proposal to retain, replace or rehabilitate the drain-line connection.

Should the existing drain-line connection be proposed to be reused, the QP (through PUB registered CCTV contractors) **shall submit** the CCTV inspection report & video to PUB showing the condition of the existing drain-line connection via <https://www.sewercctv.pub.gov.sg> before DC clearance will be issued

DC stage

For other new development or redevelopment projects

QP shall submit a DC application to PUB via Corenet indicating the existing drain-line connection and his proposal to retain, replace or rehabilitate the drain-line connection.

Note: It is not compulsory for the QP to submit the CCTV inspection report & video to PUB showing the condition of the existing drain-line connection at the point of DC application.



DC application approved by PUB.



On completion of work, QP (through PUB registered CCTV contractors) shall submit the post-construction CCTV inspection report & video to PUB (via <https://www.sewercctv.pub.gov.sg>) showing that the final condition of the drain-line connection is in good condition and in compliance with the latest COP.

(No change to existing process)

Annex B – Guidelines for QP to assess if existing drain-line connection needs to be rectified

- a. Defects with classification of Grade 3 and above identified in the CCTV inspection report shall be rectified.
- b. Drops or bends identified in the CCTV reports which do not comply with PUB standard drawing WRN_STD_007B shall be rectified for compliance.
- c. Encrustation or blockage found in the drain-line connection from the CCTV surveys shall also be cleared.

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