

Tackling Leakage in Communal Service in Housing Estates

If the management office suspects or is informed by Water Supplies Department (WSD) that there are signs of leakage in the communal pipes of a housing estate as indicated by the master meters of the housing estate, they should conduct investigation to locate the leaks and carry out rectification works as follows:

1. Inspect the exposed parts of the communal pipes for signs of leakage.
2. Inspect the following critical features to check the presence of water leaks:
 - Overflow / warning pipes of sump / roof tanks;
 - Water pumps, and pump house;
 - Road surface;
 - Water control valve chambers/pits; and
 - Drainage manholes.
3. For housing estates with underground communal pipes, carry out step tests to identify the sections of underground pipes with leakage.
4. For each section of underground pipes identified with leakage, engage leak detection specialists to find out the exact location of the leak spots.
5. Repair the identified leak spots of the pipes, or replace aged pipes with serious leakage that are beyond repair.

If necessary, consult the WSD for technical advice on step tests and engagement of leak detection specialists.

The "Reference List of Local Service Providers which have provided Leak Detection Service under WSD's contracts", "Guideline on Leak Detection on Underground Communal Service of Housing Estates", and "Sample Contract Clauses and Specification for Procurement of Leak Investigation Services in respect of Underground Water Mains in the Communal Areas within a Development" are provided in WSD's webpage for information.

<https://www.wsd.gov.hk/en/plumbing-engineering/maintenance-of-internal-plumbing/tlcs/tackling-leakage-communal-service-housing-estate/index.html>

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