

HELPFUL NOTES (Refer to the [Infrastructure Technical Specifications](#) for full requirements)

1. Building close to or over pipelines is generally discouraged as this practice severely limits Council's ability to either maintain or duplicate the pipeline if required in the future.
2. Alternative options, such as relocating the proposed building, decommissioning of/or diverting the pipeline along property boundaries, are required to be thoroughly investigated by the applicant before building over a pipeline will be permitted.
3. In order of preference, pipes shall either be
 - a) If practicable pipes may be removed and connections relocated, dependent on usage capacity for the pipe at a cost to the applicant (Refer to Section 451 of Local Government Act 1974)
 - b) Relocated to avoid the construction at a cost to the applicant (s451 of LGA 1974)
 - c) Replaced on present alignment, extending from boundary to boundary (or manhole as appropriate) at a cost to the applicant (s451 of LGA 1974)
4. Council does not permit building over or within the specified distances of the following infrastructure
 - Wastewater rising mains and interceptors – 5 metres
 - Pump stations and associated infrastructure – 5 metres
 - Manholes – 2 metres
 - Junction points with connections and mains – 2 metres
 - No part of a lateral connection (downstream of the point of supply – See ITS D5.4) is permitted to be under any building footprint.
5. Inspections of Council infrastructure by CCTV is required before and after the performance of any work which involves building over or within 5.0m of Council infrastructure.
6. Building or Engineering plans submitted to Council are required to incorporate the confirmed locations of the main, manholes and connections identified by the CCTV inspection as these factors may dictate the development layout/design.
7. CCTV inspections should be in accordance with the most recent version of the [New Zealand Pipe Inspection Manual](#).
8. No pile ramming is permitted within 5.0m from the centreline of any pipeline, or within the 45° envelope of the influence line of the pipe at invert level. Pile ramming includes sheet piling. These piles shall be drilled.
9. No structural loads are permitted to be placed on, or be transferred to, the pipeline or other assets. All structural loads shall be absorbed (by means of piles where appropriate) outside of the 45° influence envelope and below the invert level of the wastewater pipe for the first row of piles (refer ITS Drawing D5.6).
10. The first row of piles is required to be located at least 1.5m clear from the outside edge of the pipe and 2.0m clear from the outside wall of any public manhole, and be founded at least 1.0m below invert level of pipe. Subsequent pile rows shall be founded at least 1.0m below the 45° envelope of the influence line of the pipe at invert level.
11. Any building, structure or other development is required to be designed and founded so that it will not be adversely affected by public infrastructure and associated trench line, including any future excavation that may be required for the maintenance of the infrastructure.
12. The building, structure or other development is required to make provision to allow for any future possible settlement of the public trench line and backfill and consequent reduction in lateral support.