



Hunter Water Sewer-SWP Crossing Guideline

Sewer should always cross under SWP with sufficient clearance as outlined in Table 5.4. If sufficient clearance cannot be obtained, additional support or protection must be nominated for the sewer as per Clause 5.4.5.2. If the sewer crosses over the SWP, the sewer must be protected as per Notes 4 & 5 under Table 5.4. It is up to the agency to nominate the type of protection for sewer in these instances. As such, the following guideline has been developed to assist designers in drafting and planning sewer-SWP crossings:

- For sewer under SWP with insufficient clearance, the pipe should be protected with suitable encasement/sleeve material that may be chosen from the options provided in Notes 3, 4, and 5 in SEW-1402-V. Non-reinforced concrete Type 12U is not considered a suitable encasement material for protection, and the agency will only allow it if both the sewer and SWP are smaller than or equal to DN300.
- For sewer over SWP with clearance under 1 m, the pipe should be protected with suitable encasement/sleeve material that may be chosen from the options provided in Notes 3, 4, and 5 in SEW-1402-V. Non-reinforced concrete Type 12U is not considered a suitable encasement material for protection and would not be allowed by the agency. This requirement is aimed is to prevent contamination and more importantly, maintain the sewer's structural integrity against SWP failure and/or maintenance.
- For sewer under large SWP (>DN500), the pipe should be protected with suitable encasement/sleeve material that may be chosen from the options provided in Notes 3, 4, and 5 in SEW-1402-V. Non-reinforced concrete Type 12U is not considered a suitable encasement material for protection and would not be allowed by the agency. This requirement is aimed is to render the sewer maintenance-free and avoid working around a large SWP pipe to get to the sewer, thus relating to asset maintenance under Clause 1.2.7.2 & Clause 5.2.3.

For any questions or queries, please contact design_submission@hunterwater.com.au.