

HYER STANDARDS

Services - In-Ground

The Hansen Yuncken HYer Standards provide guidance on the minimum level of compliance expected for high risk activities on all projects.

Site Preparation



- The [Underground and Overhead Services Procedure and HYer Standard](#) must be adhered to.
- Ground conditions/excavations must be approved for in-ground services installation.
- Bedding material is to be in accordance with specified requirements.
- Bedding material is to be laid to the correct thickness.

Pipes and Conduits



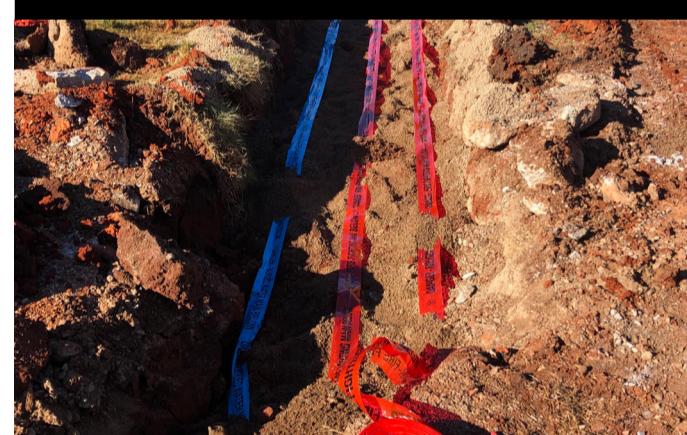
- Pipe or conduit material must be in accordance with specified requirements.
- Pipe or conduit must be laid to the correct level and gradient.
- Pipe or conduit location and alignment are to be in accordance with design requirements.
- Minimum separation of underground services is to be achieved.

Pits



- Pits must be in accordance with specified requirements.
- Pits are to be installed in the correct location and orientation.
- The direction of services entering pits is to be as per Specification and Manufacturer's requirements

Backfilling



- Marking tape must identify the installed services and be suitable width/colour
- Backfill material is to be in accordance with specified requirements.
- Backfill material is to be placed in correct layer thicknesses.
- Cover over pipe or conduits is to be in accordance with specified requirements.
- Backfill material is to be compacted per specifications.

Finish



- Surfaces disturbed during services installation must be adequately reinstated/repaired.
- Protruding services must be adequately protected from future construction damage.

Compliance

Hold Points:

- in-ground services have been inspected by the relevant authorities/consultants prior to closing up (if applicable)
- Successful testing of the following:
 - Trench backfill compaction tests
 - Air pressure leak tests (if applicable)
 - Hydrostatic tests (if applicable)

Supporting Documents:

- Bedding material grading certificate.
- Pipe/conduit compliance record/certificate.
- Photographs of installed services prior to backfill.
- Authority/Consultant inspection report.
- All testing results



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**SERVICES - IN-GROUND
PROCEDURE**