

Inspection process for DIPL hydraulic projects

Hold points

Any major changes to the approved drainage will require the permission of the project Superintendent before an inspection can be carried out. Contact the DIPL Senior Project Manager.

Hold Points are on all in ground sewer, stacks, vents, water, all hydraulic items to be concealed below ground and in the building fabric.

Types of hold point inspections available are;

- drainage
- water
- stacks and wastes pipes
- final inspections

Section 1 - Hold Points and Inspections Bookings

If you are the Contractors representative or Certifying licensed plumbing practitioner carrying out DIPL Projects, it is your responsibility to book an inspection for a hold point **one full working day prior to the time of the inspection requirement.** This applies for all Hold Points. This inspection should be done as a request emailed to hydraulics.services@nt.gov.au or make arrangements with the Senior Project Manager DIPL in charge of the project

If you are arranging the inspection yourself you must cc the DIPL Project manager in on your email

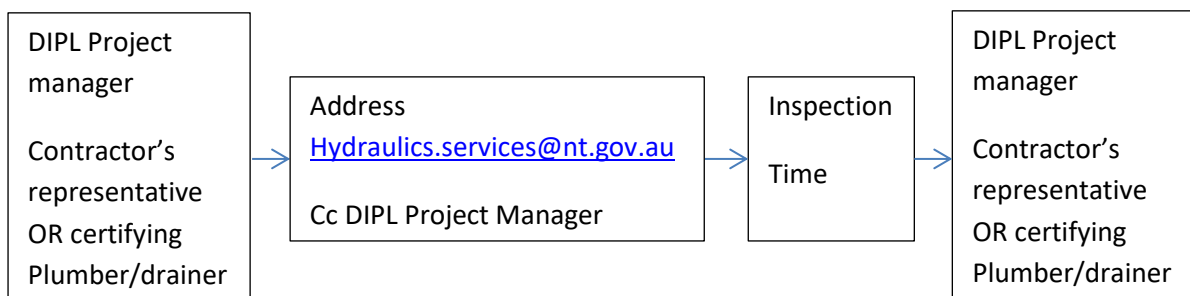
Any cancellation of Inspections must be done minimum of 4 hours prior to the elected time to the DIPL Project Manager

Hold Point Inspection Bookings

Nominate a day and time for the inspection and DIPL hydraulics will give you an inspection time as close as possible to the requested time as practical .At the booked time, a responsible person will be required to be on-site

The following information is required by email when booking an inspection

- Name of project
- Address of project
- Type of inspection (refer above) and a brief description of what you want inspected
- Location where you require the inspection etc. large sites and multi floor buildings
- Date and time you require the inspection (24 hours' notice required)



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Section 2 - Inspection Procedure - Sewers/Drains

Sewer Inspections

- You will be required to ensure the excavation is open and that the drain is under an air or water test at the designated time of inspection
- If there is a manhole involved then this may be hydrostatically tested at final stage inspection
- All bookings will result in an actual inspection. If an officer does not attend your site within 60 minutes from the elected inspection time, you are no longer required to keep the work open for inspection and may proceed with backfilling. Never the less you must produce photographic evidence of that part of the complete installation to the nominated email address within 48 hours to hydraulics.services@nt.gov.au.

The inspection parameters will include an examination of:

- drain ventilation
- Hydraulic test
- Branch drain compliance
- property sewer connection point
- boundary Inspection shafts and IOs
- approved materials
- bedding and bedding materials - gradient
- minimum cover requirements - backfill material
- infiltration protection - integrity of cut and seal
- surcharge protection (Overflow Relief Gully (ORG))

Items to be inspected are required to be ready for testing and/or inspection at the appointed time.

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Section 3 - Inspection Procedure - Water, Wastes, and Stacks

Water and Stack work Inspections

You will be required to ensure that all pipework is not concealed and is under a pressure or hydrostatic test at the designated time of inspection

All bookings will result in an actual inspection. If an hydraulic officer does not attend your site within 60 minutes from the elected inspection time, you are no longer required to keep the work open for inspection and may proceed with covering up. Never the less you must produce photographic evidence of the complete installation to the nominated email address within 24 hours to hydraulics.services@nt.gov.au.

The water inspection parameters normally include an examination of:

- Breaching pieces and outlets/ Stainless steel where required
- Service pipes in walls lagging with approved material (duct tape not allowable)
- thermostatic mixing valves and tempering valves installation compliance
- Are fixtures installed square and neat e.g. bps protruding 90 degrees to wall
- Are pipes, fittings and threads sufficiently protected from damage during construction phase
- Relief valve compliance
- Pipe clip compliance
- Specified products used
- Pipe sizes as per plan / specification
- Hot water safe tray required and compliant
- Hot water lagging
- Cold water lagging
- Relief valve and pipework compliant
- Air con drain compliant and drain termination compliant

The stack inspection parameters normally include an examination of:

- Inspection openings
- Expansion
- Pipe sizing
- Venting
- Branch drain compliance

Items to be inspected are required to be ready for testing and/or inspection at the appointed time.

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Section 4 - Final Inspection

The Senior Project Manager OR Self Certifying Plumber should arrange a final Hydraulic inspection 48 hours prior to the inspection time required by email to hydraulics.services@nt.gov.au .

You nominate a day and time for the inspection and DIPL hydraulics will give you an inspection time as close as possible to the requested time as practical.

- Self-Certifying Plumber is required to ensure the installation is complete before the time of inspection
- Hot water will be required to be at operating temperature at the time of inspection
- A responsible person will be required on site to Hydrostatically test manholes if required

The inspection parameters will include the examination of compliance issues

Items to be inspected are required to be ready for testing and/or inspection at the appointed time.

The Final inspection parameters normally include an examination of:

- Compliance of ORG and DGs
- Compliance of manholes and grease traps
- venting
- Backflow Containment
- Hot and Cold water
- Disabled compliance
- The testing of manholes
- All fixtures
- property sewer connection point
- boundary Inspection shafts and IO,s
- approved materials
- surcharge protection (Overflow Relief Gully (ORG)
- Thermostatic mixers delivery temperatures
- Hot and tempered water delivery temperatures
- Appropriate venting
- Vermin proofing in cupboards
- Hot and cold water

Self-certification certificate should not be signed until Hydraulics DIPL have checked compliance of the project

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