

Sitework rough-in inspection checklist

Sitework rough-in is the last time the work is fully visible. Once the cover inspection passes and the walls, ceilings and slabs close, every defect left behind becomes a demolition bill. This checklist walks the rough-in in the order the work goes in, with the photo each item needs before it gets buried. Work is commonly verified against the project geotechnical report, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The site foreman walking each utility run and lift, with the GC's superintendent and the geotechnical tech on compaction testing. When: Per utility run and per lift of fill. Every trench and lift is inspected before the next one covers it.

Site preparation

- ☐ **Erosion and sediment controls in place before grading**
Silt fence, inlet protection and the construction entrance installed per the erosion control plan, and repaired after each rain. 1 photo required
- ☐ **Topsoil and organics stripped from building and paving areas**
Stripping carried to the depth the geotechnical report or drawings show, roots and organics gone, stockpile kept apart from fill material. 1 photo required

Subgrade and grading

- ☐ **Subgrade proof-rolled and approved before fill**
No pumping, rutting or soft spots under a loaded truck; soft areas undercut and bridged per the geotech's direction. 2 photos required
- ☐ **Rough grades within tolerance of the grading plan**
Spot elevations shot at grade breaks, swales and structure perimeters, compared against the plan. 2 photos required
- ☐ **Compaction results at spec for each lift**
Test locations spread across the lift, results at or above the required density before the next lift. 1 photo required
- ☐ **Fill material matches the approved source and classification**
Delivery tickets or stockpile tag photographed and checked against the approved fill submittal or the geotech's classification of on-site material. 1 photo required

Utility installation

- ☐ **Bedding material and depth per the utility spec**
Trench bottom at the right depth and line, bedding placed and shaped before pipe is laid. 2 photos required
- ☐ **Pipe slope, joints and connections verified**
Slope checked between structures, joints home and gasketed, connections to structures sealed. 2 photos required
- ☐ **Traced and marked before backfill**
Tracer wire or tape in place where required, crossings and offsets photographed with a measurement reference. 2 photos required
- ☐ **One-call locate ticket current for the dig area**
Ticket number, dig limits and expiration recorded; existing lines at crossings exposed by hand or vacuum before machine digging near them. No photo required
- ☐ **Trench protection and competent person check before entry**
Trench box, sloping or benching in place for the depth and soil, and the competent person's daily inspection logged before anyone enters to lay or check pipe. No photo required

- ☐ **Pipe markings match the approved submittal**
Printed marking on the pipe barrel photographed showing material, size and class, matched to the submittal and the utility drawing. 1 photo required

Backfill

- ☐ **Backfill placed and compacted in controlled lifts**
Lift thickness within spec, compaction tests per lift over trenches that will carry pavement or structures. 2 photos required
- ☐ **No debris or oversize material in structural backfill**
Trench backfill free of rubble, frozen clods and oversize rock against the pipe. 1 photo required
- ☐ **Haunches worked in by hand before machine compaction**
Initial backfill shovel-sliced or tamped under the pipe haunches and carried to the cover shown on the utility detail before compactors run above it. 1 photo required