

Site utilities final inspection checklist

Site utilities final inspection is where the punch list is either short or expensive. This checklist walks the finished work the way an owner or AHJ will see it: devices on, systems running, everything labeled. Each item gets the photo that closes it instead of reopening it. Work is commonly verified against IPC / UPC plumbing codes, the project specifications. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the utility foreman and the testing party, witnessing the tests and walking the finished lines. When: After backfill and before the surface goes back, with the required tests witnessed rather than taken on a paper result.

Water main

- ☐ **Pressure and leakage test observed**
Hydrostatic pressure and leakage test on the water main witnessed, pressure held for the specified duration, gauge and any make-up water recorded. **3 photos required**

Gravity sewer

- ☐ **Mandrel or deflection and camera on gravity lines observed**
Mandrel or deflection test pulled and the CCTV run witnessed on storm and sanitary, video reviewed for bellies, offsets, infiltration and debris. **3 photos required**
- ☐ **Manholes and structures sound and to grade**
Structures set plumb, benching and channels shaped, joints sealed, rims and covers adjusted to finish grade. **2 photos required**

Backfill and record

- ☐ **Trench backfill compacted**
Backfill placed in lifts and compacted, compaction test results confirmed on the trench line before the surface is restored. **2 photos required**
- ☐ **As-builts recorded before cover**
Line locations, inverts, structures and any deviations from the plan recorded on the as-built before the surface closes it off. **1 photo required**