

Deep foundations final inspection checklist

Deep foundations 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 ACI, the project geotechnical report and specifications. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the geotechnical rep and the structural engineer of record's field observer before caps are formed. When: After piles and shafts are trimmed to cutoff and before pile caps and grade beams are formed, so any deficient element is caught while it's still exposed.

Cutoffs and connection

- ☐ **Cutoff elevations verified and sound concrete exposed**
Each pile trimmed to the specified cutoff, concrete at the head sound and not fractured from over-driving or chipping. **2 photos required**
- ☐ **Dowels and embeds for the cap in place and correct**
Projecting bars, dowels or embed plates for the pile cap present, correct length and position, undamaged after trimming. **2 photos required**

Testing coordination

- ☐ **Integrity and load testing observed and documented**
Specified integrity or load tests witnessed on the required elements, results recorded and reconciled against acceptance criteria before proceeding. **2 photos required**

As-built record

- ☐ **As-built locations and elevations surveyed**
Final head location and cutoff elevation surveyed for each element and compared against plan tolerance before caps are formed. **1 photo required**