

Excavation support and shoring rough-in inspection checklist

Excavation support and shoring 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 and specifications, the applicable building code. Confirm the edition your authority having jurisdiction has adopted.

Who runs it: The GC's superintendent with the shoring subcontractor's foreman, and the shoring engineer's field rep on proof-load days. When: As each lift is excavated and supported — member installation, lagging, anchors and bracing all get checked before the next lift is dug, since the design assumes support keeps pace with the cut.

Wall members

- ☐ **Member size, spacing and embedment match the engineered design**
Soldier pile or sheet section, spacing and tip elevation checked against the shoring drawings, embedment below subgrade verified, not assumed from the driving length. 2 photos required
- ☐ **Lagging installed tight to the face as excavation proceeds**
Lagging placed promptly behind the face each lift, boards in full contact with soil, voids packed, no unsupported height left open. 2 photos required

Anchors and bracing

- ☐ **Tieback or anchor installation and proof load observed**
Anchor drilled and grouted to the design length and inclination, proof or performance load witnessed and recorded against the acceptance criteria before lock-off. 2 photos required
- ☐ **Wales and internal bracing installed and connected**
Wale sections, struts and connections match the design, bearing tight, no missing bolts or field-cut members reducing capacity. 2 photos required

Groundwater

- ☐ **Dewatering keeping the cut and subgrade stable**
Groundwater drawn below the working level per the dewatering plan, no piping or boiling at subgrade, discharge running clear rather than carrying fines. 1 photo required