



EXCAVATOR'S CHECKLIST

For use by excavators to ensure accuracy of excavation, efficiency in foundation installation, and proper backfilling and grading. All page references made below use the Envirocast® Wall System Builder's Technical Handbook and the 2012 International Residential Code. Additional copies of this checklist are available for download at www.envirocast.com.

1. **Builder's Technical Handbook**
Obtain your personal copy of the Envirocast® Wall System Builder's Technical Handbook
2. **Site Drawings**
Confirm you are working from the approved drawing before you dig.
Drawing Date: _____ Drawing Rev.: _____
3. **Building placement**
Obtain required benchmark elevations from builder
Excavate per set pins from builder
4. **Excavation**
Trench dug below frost line
Verify with builder either: _____ sump pump or _____ daylight drain
If sump pump, number of accumulation tanks _____
Provide minimum 24" over-dig at base of foundation (both sides of wall)
Properly bench banks-
(for excavations more than 5'-0" deep, bench or slope in accordance with OSHA Standard 1926.652)
Provide ramp for access to hole if required
Pile soil a safe distance from hole
Excavate for column pads as required
Prepare access driveway, trailer location pads, and crane pad(s)
5. **Crushed stone footing**
Obtain required stone depth from builder (_____ inches)
Dig footing per required stone depth
Use 4 inch perforated pipe and locate pipe
Place drain pipe
Clean crushed stone (1/2" max)
Consolidate stone in a maximum of 8" lifts with plate vibrator '
Direct drain pipe to accumulation tank(s) or daylight
Evenly grade the stone to within +/- 1 inch of level
Leave enough stone behind for use in final grading by the wall installation crew
Install filter membrane on top of stone footing prior to backfill (R405.1.1)
6. **Concrete floor (Pg.)**
Clean 4" base provided (R506.2.2)
7. **Backfilling (Pg.)**
Get approval to backfill from builder
8. **Final grading (Pg.)**
Slope the final soil grade a minimum of 6" fall within the first 10'-0" to divert ground water away from foundation (Pg. and R401 .3)
9. **Finished soil grade must be at least 6" below top of the Envirocast® Wall Panels (Pg. 39)**

NOTE: To comply with building code requirements, the framing / decking connection at the top of the Envirocast® Wall Panels and the floor slab at the bottom of the Envirocast® Wall Panels MUST be completed prior to backfilling!