



More Stability, Less Money

BARRIER BEAM DESIGN

Builder Benefits:



Reduce overall foundation cost



Project starts sooner without the need for soil injection



Mitigate long-term warranty risks



Remove the extra trade coordination

Problem:

High plasticity soils (expansive soils) pose a foundation risk because of their nature to expand and contract, which can cause foundation distress resulting in concrete cracks, foundation tilt, settlement and heave. Traditional methods to counteract this involve soil injection, superficially filling the soil with water. But over time, the soil can contract asymmetrically due to water evaporation and become vulnerable to water variances. Plus, it eats up construction time.

Solution:

Barrier Beam Design is an innovative method from DPIS in which beams are placed at the perimeter of a waffle slab foundation that create a water barrier and permanent stability, by controlling the relative moisture variation around the foundation, thereby limiting the shrink/swell potential of the soil. Plus, it allows for immediate foundation pouring and mitigates long-term risk, saving on warranty costs down the road.

Start your housing project off right with a stronger slab that costs less to build. Barrier Beam Design is faster and more cost-efficient than other methods. Enhance long-term protection for your buyer regardless of too much or too little watering from neighbors.

See how you can start saving. Call us today!



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