

Overview

These installation instructions are to be used when working with a footing and concrete slab foundation construction in either a basement or finished crawlspace.

Installing 6-inch Hydroway

1. Remove the concrete slab floor 12 to 15 inches out from the basement or crawlspace walls around the entire perimeter.
2. Remove any dirt or rock and existing internal drainage system, exposing the top and side of the existing footing. A vertical trench needs to be dug next to the footing. The trench needs to be wide enough for two rows of Hydroway, approximately 4 inches. The fill may remain in the basement or crawlspace area and used as backfill for the Hydroway Waterproofing System. This will reduce the amount of spoils that need to be removed from the basement.
3. Determine the location for the sump pit. Dig out an area large enough to install the pit. The slab floor needs to be removed at least 3 inches around the entire pit. Place the sump pit in the pit hole. Do not secure the pit in this step.
4. Use two 6-inch rolls of Hydroway and roll them out together. Secure the rolls to each other with HydraTape. The double rolls should be placed vertically along the footing. Hydroway should be placed flush to the footing with the top edge of Hydroway to the top of the footing (See Figure 1). Hydroway needs to be run from one end of the pit all along the perimeter of the basement or crawlspace until it ends up back at the sump pit. Hydroway will bend around the corners, however, a basement or crawlspace could have a geometry that may require a corner fitting. Each roll of Hydroway comes in 150-foot lengths and if one roll of

material is not enough to complete the entire basement or crawlspace perimeter, secure a splice fitting with HydraTape to connect additional rolls of Hydroway (See Figures 2 and 3).

5. Cut the sump pit rectangularly to the outside dimensions of the Hydroway and slide the two ends into the side of the pit. Hydroway should extend at least 1 inch into the pit (See Figure 4).
6. Take the dirt and rock that was removed in Step 2 and backfill it against Hydroway. This will secure the product against the footing. Do not cover the top of Hydroway or the footing.

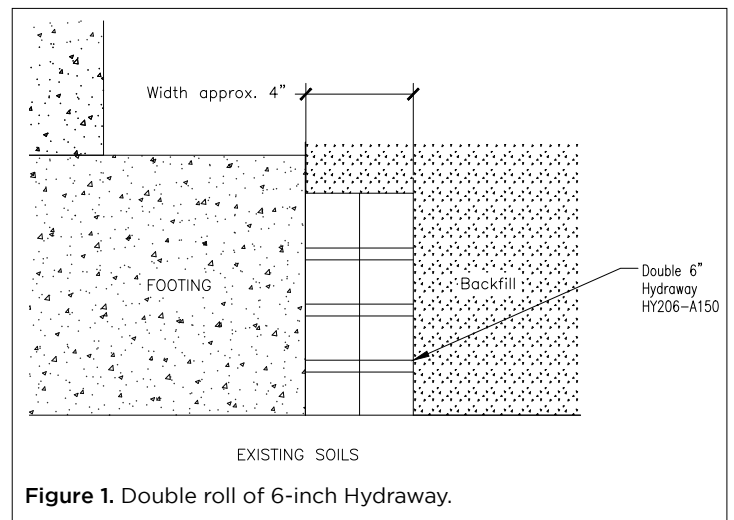


Figure 1. Double roll of 6-inch Hydroway.



Figure 2. Fittings.

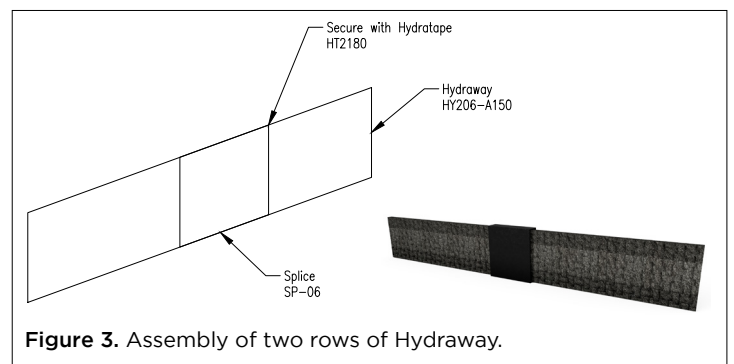


Figure 3. Assembly of two rows of Hydroway.

Basement or Finished Crawlspace Installation Instructions

Installing HydraPanel

1. HydraPanel should extend the entire width of the footing, including 2 inches over the top of Hydraway plus enough material to extend past the slab vertically. Cut the roll of HydraPanel to the appropriate size (See Figure 5).
2. Set HydraPanel on top of the footing (fabric side down, plastic side up) (See Figure 6). The portion of HydraPanel that is extended past the slab should be folded vertically and made flush with the wall. The remaining material should sit flat on top of the footing (See Figure 5). After installation, HydraPanel can be trimmed to provide a finished appearance.
3. When installing HydraPanel around a corner, the material should be sliced, and two studs removed. Then the panel is folded back on itself to make a clean corner fold. Terminate the HydraPanel just prior to the pit. There is no need to use HydraPanel over the pit (See Figure 7).
4. Be sure to put the lid on the sump pit and then pour concrete back on top of the HydraPanel. Use a trowel and other concrete working tools to achieve desired floor finish.

Other Considerations

In a finished basement, wood studded walls will need to be properly supported as the perimeter of the basement slab is being removed.

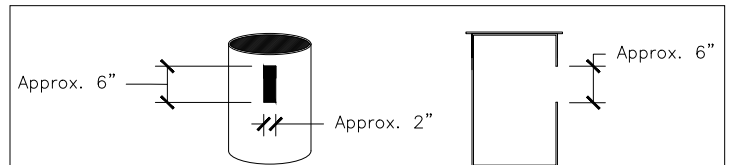


Figure 4. Sump pump Hydraway cut dimensions.

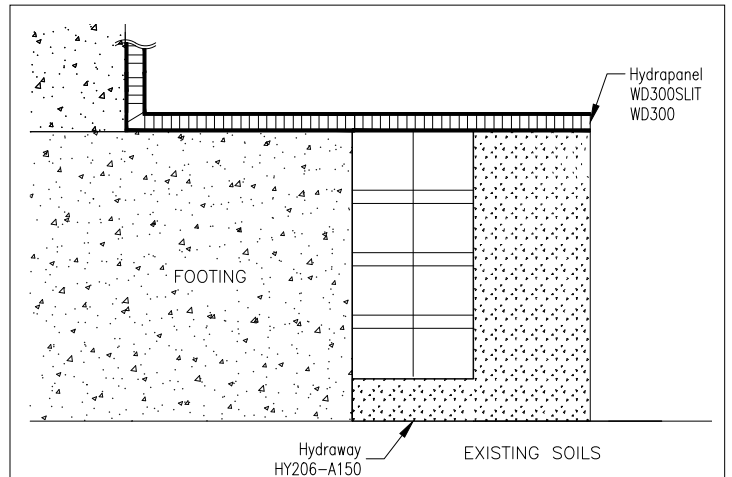


Figure 5. HydraPanel extending width of footing, plus overage.

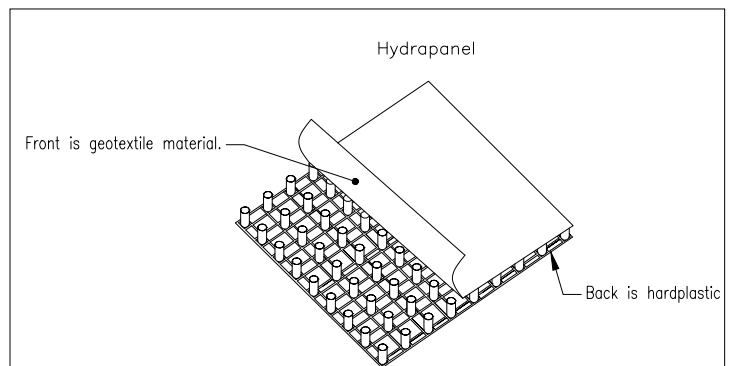


Figure 6. Front and back of HydraPanel.

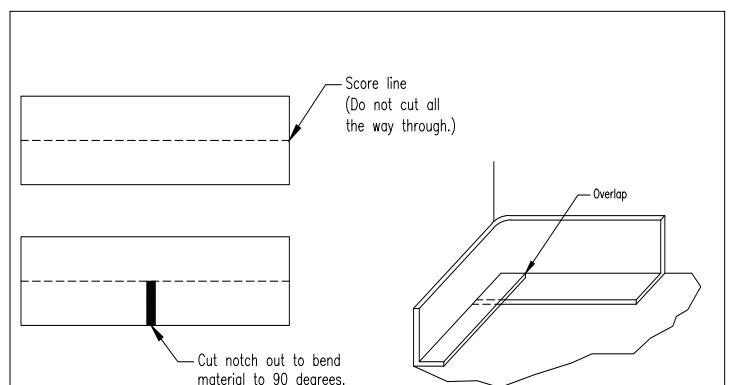


Figure 7. Installing HydraPanel at a corner.