pellets until saturated. Allow the pellets to swell. If subsidence occurs add additional bentonite pellets and hydrate again.

Attach the probe head to the 2" pipe using solvent weld cement. **Be sure wiring into the probe head is complete**. Allow the solvent weld to set. The remaining annular space can be filled with clean, sifted native soil or a hydraulic malt consisting of 50% clean, sifted soil and bentonite pellets. Mix the malt thoroughly with sufficient water to make the combination liquid enough to pour. Be careful not to make the mixture too lean. Pour the liquid mixture into the annular space. Allow the mix to set and settle. Fill in any remaining space with clean, sifted top soil.

WIRING

A two conductor cable or two individual wire conductors will be needed for each SWM-Probe. A water tight connection is provided on the side of the probe head. Be sure to leave sufficient slack in the conductors outside of the probe head. Connect the two conductors to the two wires connected to the magnetic float. Be sure to use water proof wire nuts to protect this connection. The actual float depth is accomplished via the pass-thru located in the centering disc. The float will hang via its wire conductors. Be sure to adjust the wire length to get the correct float setting. Correct for the difference in depth form the surface to the bottom of the probe head where the centering disc sets.

FINAL

Inspect the installation and placement of the float. Once the probe installation is deemed complete then install the maintenance cap. Secure the two conductors coming from the probe so that they cannot be pulled out. Connect the two wires to the controller and test for continuity. Check to be sure that the magnetic switch will close and open when moved up and down.

Inspect the SWM-Probe annually and more often if soil saturation events occur on a frequent basis. Pull the magnetic float switch out of the probe body and inspect it. Clean with water a be sure that the floating collar moves freely.