American Drainage Systems, Inc.

SEQUENCE AND METHOD OF INSTALLING VERTICAL DRAINS

1.The Sequence of Drain Installation:

The sequence of installation will be as directed by the Project Engineer and/or specifications in conjunction with all "as-built" drawings and logs. All drains will go to maximum allowable/"anchorable" depths or until refusal as defined in the specs and logs. Installation is also contingent on obstructions both above and belowground.

2.Method of Drain Installation (using bottom drive):

a) Thread the wick off the roll/spool, up the wick tube, and over the top roller and down through the mandrel.

b) Place the wick through or around the anchoring device and tuck the loose end of the wick up into the mandrel about 6-8 inches. Pull the wick's excess slack tight through the mandrel and wick tube by reversing the wick roll by hand. By reversing the wick spool and roll, the anchoring device will retract up tight against the bottom tip of the mandrel. This will prevent dirt or mud from entering the mandrel during the insertion of the mandrel into the ground.

c) Move the machine/mandrel to the specified wick drain location and insert the mandrel with anchoring device in place using static force (and/or vibratory force if necessary) into the ground to the desired depth.

d) Extract the mandrel, leaving the anchoring device and the completed wick drain in place uncontaminated and at the proper depth.

e) Cut the wick off at the contract-specified length above the working surface.

f) Check the wick drain mast to make sure it is plumb. Use hydraulic controls to correct if not within specifications.

3. Splicing wick:

Wick drain is supplied on rolls. Each roll will hold about one thousand feet of drain or 330 meters. Once the roll is used up, a splice is necessary to add the next roll. To splice, cut the end of the previous roll at an angle and stuff it inside the end of the new roll. Then staple them both together as shown.