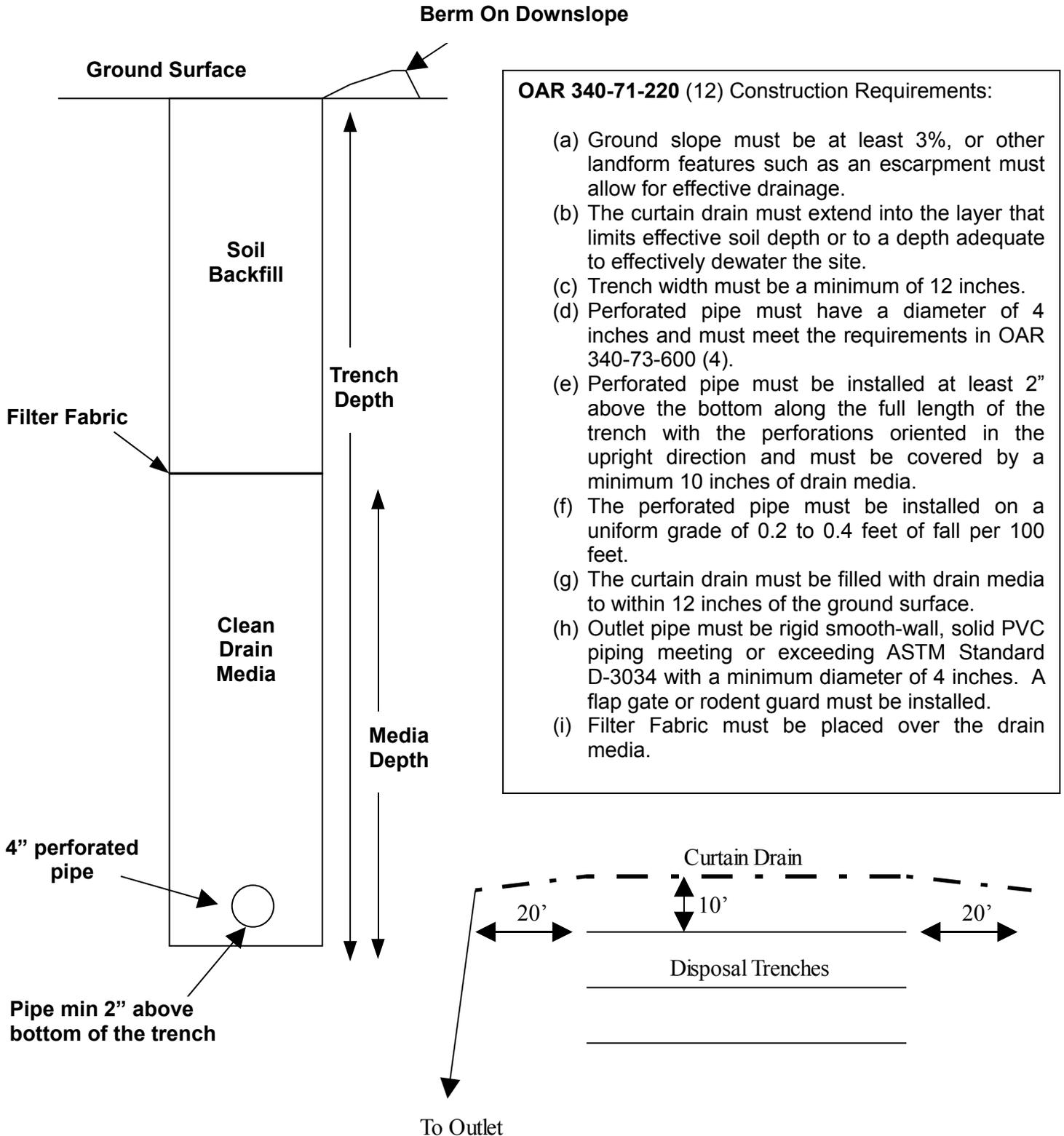


Curtain Drain Construction

A curtain drain is a groundwater interceptor that is designed to divert groundwater from the drainfield. The drain creates a “curtain” to block water from reaching the absorption field.

The depth of the dewatering trench is dependent on the depth to the water table and the soil conditions of the site.

Refer to your site report or permit for the required trench and media depths.



- OAR 340-71-220 (12) Construction Requirements:**
- (a) Ground slope must be at least 3%, or other landform features such as an escarpment must allow for effective drainage.
 - (b) The curtain drain must extend into the layer that limits effective soil depth or to a depth adequate to effectively dewater the site.
 - (c) Trench width must be a minimum of 12 inches.
 - (d) Perforated pipe must have a diameter of 4 inches and must meet the requirements in OAR 340-73-600 (4).
 - (e) Perforated pipe must be installed at least 2" above the bottom along the full length of the trench with the perforations oriented in the upright direction and must be covered by a minimum 10 inches of drain media.
 - (f) The perforated pipe must be installed on a uniform grade of 0.2 to 0.4 feet of fall per 100 feet.
 - (g) The curtain drain must be filled with drain media to within 12 inches of the ground surface.
 - (h) Outlet pipe must be rigid smooth-wall, solid PVC piping meeting or exceeding ASTM Standard D-3034 with a minimum diameter of 4 inches. A flap gate or rodent guard must be installed.
 - (i) Filter Fabric must be placed over the drain media.