

**\*\*\* DRAFT – NOT FOR FILING \*\*\***

3745-511-220      Foundations.

(A) This rule applies to in situ foundation, added geologic material, structural fill, and embankments.

(B) Foundations shall conform to the requirements to meet the stability standards in rules 3745-511-20 to 3745-511-72 of the Administrative Code.

(C) If the surface of the foundation is immediately beneath the liner system or cap system, the surface of the foundation shall have no abrupt changes in grade that may result in damage to the liner system or cap system.

(D) For structural fill and embankments, if the surface is vegetation, the surface shall have a maximum slope length between ditches that shall result in an erosion rate of not more than five tons per acre per year as calculated using the "Universal Soil Loss Equation," "Revised Universal Soil Loss Equation," or the "Water Erosion Prediction Project Model" as described in rule 3745-500-03 of the Administrative Code assuming disturbed soils and the soils are highly susceptible to rill erosion.

(E) For embankments, the interior and exterior slopes shall be protected from erosion. If an embankment supports a liner system, the surface of the liner system shall also be protected from erosion. Means of erosion protection shall include one or a combination of the following:

(1) Permanent vegetation.

(2) Pavement.

(3) Any alternative means that was approved by the permitting authority so long as the alternative means will protect the slope from erosion and discourage the growth of deep-rooted plants.

(F) For above ground embankments, also conform to both of the following:

(1) Have a width at the top that is not less than eight feet.

(2) Have slopes that shall not exceed twenty-five per cent provided the embankment will be protected from erosion by means specified in paragraph (E) of this rule.