

*** DRAFT – NOT FOR FILING ***

3745-510-331 Critical layers due to shear strength.

The report on the geotechnical investigation identified in rule 3745-510-100 of the Administrative Code shall include labeled and tabbed pages for the section titled "Critical Layers due to Shear Strength," and shall include the following:

- (A) A description of the critical layers due to shear strength.
- (B) An explanation of the criteria used to identify the critical layers due to shear strength.
- (C) A description of the site investigation activities directly related to identifying, locating, and characterizing the critical layers due to shear strength, including the subsurface investigatory method, field testing, and laboratory testing.
- (D) A summary of the results of site investigation activities directly related to identifying, locating, and characterizing the critical layers due to shear strength.
- (E) Any other sources of information used to determine the critical layers due to shear strength.
- (F) Cross sections that clearly show the identification, extent, and characteristics of the following:
 - (1) Consolidated stratigraphic units.
 - (2) Unconsolidated stratigraphic units.
 - (3) Critical layers due to shear strength.
 - (4) Highest temporal phreatic surfaces.
 - (5) Highest temporal piezometric surfaces.
 - (6) Basal elevations of the disposal limits.
 - (7) Basal elevations of existing and proposed excavations. At least one cross section shall depict the deepest excavation or deepest proposed excavation.