

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

3745-510-320

## Geotechnical investigation summary and conclusions.

The report on the geotechnical investigation identified in rule 3745-510-100 of the Administrative Code shall include the following clearly labeled and tabbed pages for the section titled "Summary and Conclusions" and shall include the following:

(A) A description of the following:

- (1) Critical layers due to shear strength.
- (2) Critical layers due to liquefaction potential.
- (3) Compressible layers.
- (4) Highest temporal phreatic surface as determined through the hydrogeologic investigation.
- (5) Highest temporal piezometric surface as determined through the hydrogeologic investigation.
- (6) All piezometric surfaces associated with bedrock as determined through the hydrogeologic investigation that may affect the facility during excavation or construction.
- (7) The vertical hydraulic conductivity of each unsaturated unconsolidated stratigraphic unit as determined through the hydrogeologic investigation.
- (8) Unstable areas.

(B) Summary tables of measurements and test results from the site investigation. The tables shall clearly identify the sample locations, logs, and units of measurement associated with each measurement and test result. The results from all field measurements, field tests, laboratory measurements, and laboratory tests shall be included in the summary tables. The summary tables shall also clearly identify the measurements and test results that are associated with each critical layer and compressible layer.

(C) Any figures, drawings, or references necessary to provide a clear understanding of the summary information contained in the report on the geotechnical investigation.

(D) A map that identifies the location of each cross section included in the report.