Architecture, Engineering, and Construction Division

Geotechnical Evaluation

Report Checklist

The latest version of this document is available to Church Employees and Consultants on the AEC Website without needing a password:

* <https://aec.churchofjesuschrist.org/design_guidelines/>: Select and download *Checklist* under “REAL ESTATE ACQUISTION”.
* The template can also be directly downloaded using this hyperlink: [*Geotechnical Evaluation Report Checklist*](https://aec.churchofjesuschrist.org/design_guidelines/SupportDocs/Geotechnical_Evaluation_Report_Checklist.docx).

Contact Mike Molyneux (email: [molyneuxm@churchofjesuschrist.org](mailto:molyneuxm@churchofjesuschrist.org); phone: 801-240-1664)

with questions or suggestions for improvement.

Release Date: March 14, 2023

All previous versions of this document are obsolete.

Contact AEC with questions, feedback, or suggestions for improvement.

Salt Lake City, Utah

**Geotechnical Evaluation Report Checklist**

Project Name:

Project Number:

Date:

The [*Geotechnical Evaluation Report Template*](http://aec.churchofjesuschrist.org/aec/design_guidelines/SupportDocs/Geotechnical_Evaluation_Report_Template.docx) provides Owner guidelines, criteria, information and expectations. This checklist provides a summary of what are some of the most important items within the template that are expected to be addressed in the Geotechnical Evaluation Report. This checklist should not be interpreted as representing all items that the geotechnical consultant should address for a specific site.

The report uses the required coversheet and template format?

The first section of the report provides a clear “EXECUTIVE SUMMARY”?

The Owner’s “DESIGN CRITERIA” is reiterated?

Provides a clear description of “SITE CONDITIONS” and existing soil conditions?

The “FIELD STUDY” was based upon an adequate number of borings as outlined in the template:

3 minimum under building?

3 minimum under paved areas?

Provides a clear description of “SUBSURFACE WATER AND SUBSURFACE CONDITIONS”?

Provides a section for “LABORATORY TESTING”?

Provides a section for “FINDINGS AND RESULTS”?

Provides a section for “RECOMMENDATIONS AND CONCLUSIONS”?

Provides a section for “FOUNDATIONS”:

Provides foundation system recommendations are consistent with “FINDINGS AND RESULTS”?

Provides recommendations for mitigating, as needed, the effects of “unstable soils”?

Provides recommendations for mitigating, as needed, the potential of differential settling?

Provides frost cover or confinement recommendations?

Provides a section for “INTERIOR CONCRETE SLABS ON GRADE”:

Recognizes that typical meetinghouse interior slabs on grade have no construction or control joints and that a 15 mil vapor retarder is used directly under the slab?

Provides a section for “EXTERIOR CONCRETE SLABS ON GRADE” (Sidewalks, Curbs, Gutters and so forth)”?

Provides a section for “PARKING PAVEMENT DESIGN”:

Provides a paving system design based upon the Owner’s “DESIGN CRITERIA” of the Geotechnical Evaluation Report Template?

Provides a paving system meeting the Owner’s minimum requirements”:

3” of asphalt over 6” of aggregate base?

4” of concrete over 4” of aggregate base?

Provides a paving system with a 40-year (minimum) design life?

Provides a section for “SITE GRADING”:

Provides clear recommendations for earthwork preparation?

Provides clear recommendations for fill placement and compaction?

Provides a section for earthwork testing and inspection recommendations?

Provides a section for “Seismic Hazard Concerns, Liquefaction, Seismicity, and Faulting?

Provides a section for “Water Soluble Sulfates:

Provides the recommended cement type(s)?

Provides a section for “TOPSOIL”?

Provides a site plan showing boring locations?

Provides boring logs and a chart for the Unified Classification System?