



**55 N Main St. Ivins, UT 84738**  
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## **GEOTECHNICAL REPORT CHECK LIST**

### **SUBMIT WITH PRELIMINARY PLAN**

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**Overview:**

The geotechnical report is to be submitted with the preliminary plan. It is to be prepared by and stamped by a licensed geotechnical engineer. The purpose of the report is to evaluate the existing soil conditions of the project site prior to new development

**Required Extent and Depth of Exploration:**

- Minimum of 1 test hole per acre, Minimum of 3 test holes per site, whichever is higher.
- Minimum 25 feet depth for basement foundations
- Minimum 15 feet depth for slab on grade foundations, at least one test hole must be 25 feet depth for every 5 acres.
- If any test hole detects expansive soils, then all proposed building pads on the site must have separate test hole.

Site Area: \_\_\_\_\_ acres    Expansive Soils Present? \_\_\_\_\_yes \_\_\_\_\_no

No. of holes with 15' min depth: \_\_\_\_\_    No. of holes with 25' min depth: \_\_\_\_\_

**Report should include the following:**

Descriptions of:

- Generalized site conditions
- Surface and subsurface conditions

Recommendations for:

- Site preparation
- Excavation
- Grading
- Structural fill
- Foundation design
- Seismic considerations
- Concrete design
- Concrete and metal corrosion protection
- Pavement design for all categories of roads using the Traffic Index as given below:

Classification	Traffic Index	Classification	Traffic Index
Residential Standard	5	Minor Arterial	7
Residential Collector	5	Major Arterial	8
Minor Collector	5.5	Commercial Local	10
Major Collector	6	Industrial Local	10

- Soil moisture control
- Exhibits and appendices showing:
- Vicinity map
  - Site plan showing boring locations
  - Boring logs
  - Test results