

## **List of Tasks and Subtasks:**

### **Task 1: Investigation of Required Regulatory Codes:**

- Task 1.1 Research International Building Code 2018
- Task 1.2 Yavapai County Code/Regulations

### **Task 2: Site Visit**

### **Task 3: Geotechnical Analysis of the Soil Samples**

- Task 3.1 Plan Laboratory Access Manual and Agreement.
- Task 3.2 Collect Soil Samples
- Task 3.3 Perform Soil Analysis

### **Task 4: Surveying**

- Task 4.1 Lab Access Manual and Agreement
- Task 4.2 Surveying Analysis
- Task 4.3 Creation of Topographic map

### **Task 5: Structural analysis/concrete design**

- Task 5.1: Determination of Internal Forces of each element present and Loading
- Task 5.2: Analysis of Load Combinations
- Task 5.3: Failure Analysis Checks
- Task 5.4: Foundation and Anchor Bolt Design

### **Task 6: Impacts**

- Task 6.1: Social Impacts
- Task 6.2: Economic Impacts
- Task 6.3: Environmental Impacts

### **Task 7: Project Deliverables**

- Task 7.1: 30% Submittal:
  - Task 7.1.1: 30% Report Submittal
  - Task 7.1.2: 30% Presentation
- Task 7.2: 60% Submittal:
  - Task 7.2.1: 60% Report Submittal
  - Task 7.2.2: 60% Presentation
- Task 7.3: 90% Submittal:
  - Task 7.3.1: 90% Report Submittal
  - Task 7.3.2: 90% Presentation
  - Task 7.3.3: 90% website
- Task 7.4: Final Submittal:
  - Task 7.4.1: Final Report Submittal
  - Task 7.4.2: Final Presentation
  - Task 7.4.3: Final Website

## Task 8: Project Management

- Task 8.1 Various Meetings
- Task 8.2: Schedule Management
- Task 8.3: Resource Management

## Exclusions

- Excavation on the site
- Concrete Mixture Check
- Grading and Drainage Design