



Division 310000

Earthwork

DESIGN GUIDE

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312200 Excavation and Earthwork

1 General

1.1 General

- A. All overburden (surplus) fill must be hauled off-campus and associated site restoration should be completed before Substantial Completion. In the event that the Project Manager determines the soil to be reusable for CWU purposes, the Architect/Engineer shall provide language in the Construction Documents regarding an approved stockpile location.
- B. Contact underground utilities locator services two (2) working days prior to all excavation.
- C. The limits of all excavation area(s) must be outlined in white paint.
- D. The Contractor will be required to obtain a Public Works Permit from the City of Ellensburg when excavating within public easements or right-of-ways.
- E. The Contractor must provide a barricade(s)/excavation safety plan for the University's approval prior to excavation and/or earthwork activities.
- F. Work affecting fire lanes, easements, and right-of-ways, must be coordinated with the City of Ellensburg.
- G. Imported soils materials shall be approved through the submittal process. The submittal shall include a 30 pound minimum sample of



the material with a test report indicating compliance with the specification requirements.

312223 Backfilling and Compacting

1 General

1.1 General

- A. All backfilling and compaction lifts shall be as recommended in the Geotechnical Report and approved by the Project Manager.
- B. Backfill maximum particle size: three inches (3").

312600 Site Drainage

1 General

1.1 General

- A. Where possible, the drainage design should maintain the site natural drainage pattern. All exterior drainage must flow (or connect) to storm sewers wherever possible and drain away from structures and hardscaped areas. Ponding of water on the site ground surfaces is discouraged unless specifically provided for in the surface water management design.
- B. All surfaces must have positive drainage. Drain all water away from the building foundations and all hardscaping surfaces. Surface drainage systems shall be designed for removal of surface water.
- C. Hardscaped areas drainage shall have a minimum slope of one quarter inch per foot (1/4" : 1') away from building(s). Use of pavers is discouraged.
- D. Oil and water separation, retainage and connection(s) to storm sewer must conform to the City of Ellensburg code requirements.