

31 00 00 Earthwork

Revision 01/04/2019

Purpose:

The Architect and/or Engineer shall incorporate the Rice specific requirements indicated in this standard's section into their design. The Architect and/or Engineer shall further produce project specifications in line with industry standards that are updated to reflect these Rice specific requirements.

1. Site Selection

- a. Rice University has a large storm water detention area on the south side of Campus
- b. As part of the site selection process, Architect/Engineer will meet with the University Project Manager to determine the effects of detention, retention and compensatory storage on the site and the impact to the overall "detention credit" of the University.

2. Site Clearing

- a. The Architect/Engineer will work with the Rice Project Manager, the University Arborist or University approved 3rd party Arborist, and possibly the contractor to develop a general campus protection plan, which shall include as a minimum:
 - i. Protection of the public,
 - ii. Protection of buildings
 - iii. Protection of utilities,
 - iv. Tree protection,
 - v. Control of run off
 - vi. Protection and cleaning of streets.
 - vii. Handling of stockpiles and overburden
- b. If campus trees may potentially be impacted, either directly or through alteration of drainage and/or groundwater table or other paths, a pre-construction tree inventory is to be completed.
 - i. Inventory data shall consist of existing tree identification and location, tree health, longevity and life stage of tree, suitability for conservation, tree size based on DBH (Diameter at Breast Height)

3. Earth Moving

- a. Refer to section 02 30 00 - Subsurface Investigation
- b. Contractor shall have a pre-excavation meeting with the University Project Manager to review all known utilities and procedures should any unknown utilities or other obstructions be encountered.
- c. Contractor shall not initiate work until the Storm Water Pollution Prevention Plan SWPPP has been fully put in place.
- d. In general, large stockpiles are not permitted to be stored on-site. Any stockpiling needs to be addressed as part of the general campus protection plan stipulated above. The contractor shall submit a detailed plan for the location, duration, and protection of

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excavated materials prior to initiating work. Large and/or unsightly mounds of material will not be permitted.

- e. All excavation within (3) three feet of any existing underground utility line shall be accomplished by hand labor. With probing, this may be reduced if approved by the Rice Project Manager.