

33 80 00 Communications Utilities

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. General Requirements

- a. Specialty contracts
 - i. The data cable (which is separate from all items listed here) purchase and installation shall be contracted independently through the Rice IT department.
- b. Campus Communications Utilities are routed either through the Campus tunnels or through underground conduits.
 - i. Architect/Engineer shall coordinate with Rice Project Manager and Rice IT Manager during Schematic Design to determine the source and routing for all new Communication Utilities. Existing communications utilities to be avoided shall also be coordinated at this time.
 1. Direct Buried -Open cut
 - a. Install two 4" PVC conduits.
 - b. If electrical duct bank is being installed on same project it is preferred that IT conduits be installed directly below electrical duct banks.
 2. Direct Buried –directional boring
 - a. Install three 1 1/4" PVC conduits.
 3. Vaults / handholes
 - a. Open bottom with gravel
- c. Sub-buildings
 - i. When a building exists as a detached or semi-detached portion of another building, the secondary building shall have conduits connections the same as the primary building.
- d. Near building services.
 - i. Parking Gates and Bluelight security poles shall be fed from the nearest buildings.