The following information shall be included in specifications prepared for use on all University of Cincinnati construction and renovation projects. This information is supplemental and not intended to be a complete specification.

EXECUTION STANDARDS

Testing & Commissioning

Final preparation - Each duct shall be cleaned and proved clear by pulling a full-size test mandrel through the duct. Each duct shall have a 200-pound test nylon pull rope left in place and have duct plugs installed.

Full Range Marker - The Associate should specify that each of the following underground utilities shall have a 3M ball marker or full-range marker, each having a distinct color and frequency, for locating underground utilities:

- The 1250 full-range orange marker for communication and telephone
- The 1407-XR black/orange ball marker for street lighting
- The 1251 full-range blue marker for chilled water
- The 1254 full-range yellow marker for gas/steam/condensate
- The 1252 full-range blue marker for domestic and chilled water
- The 1251 full-range red marker for power — high voltage

The marker shall be used only when the utility will be 8 feet or less below the future finished grade (except for street lighting; 5 feet below).

The marker shall be placed in the trench, on top of the utility.

A marker shall be placed every 25 feet.

A marker shall be placed at every direction change.

There shall be a minimum of two markers for each utility trench.

--- END OF SECTION ---