



SECTION 18 – LOCATION OF UNDERGROUND UTILITIES

18-1 GENERAL

Under this section, the Contractor will provide potholing for establishing and confirming utility location and depth of utilities that are not shown on the plans, or for potholing requested by the Engineer.

Potholing of utilities that are shown on the plans shall be considered incidental to the associated work items and no separate payment will be made. Potholing of utilities not shown on the plans, and approved by the Engineer prior to proceeding with the work, will be paid under this section.

[Potholing in areas identified on the plans as Oil or Fuel Company rights-of-way will be subject to the additional requirements outlined in Section 50, Oil Company Right-of-Way Requirements.]

Potholing for utilities will be of two types, hand dug and machine dug.

18-2 METHODS

Prior to the beginning of earthwork operations, or any work which may impact nearby underground utilities, the Contractor shall provide 12-inch diameter potholes for locating fuel lines, storm drains, electrical conduit and other utility lines crossing the construction areas. Prior to digging potholes, the Contractor shall indicate to the Engineer the specific potholes he plans to excavate. The method of potholing, whether by hand or by machine, will be as directed by the Engineer. Equipment and tools shall be approved by the Engineer.

Prior to beginning the work for any pothole, the prior approval of the Engineer for the number, location and method of digging potholes shall be obtained. All necessary permits from Underground Services Alert (“USA”) and FAA shall also be in effect. Permits are the responsibility of the Contractor. From the elevation information obtained from these potholes, the Contractor shall provide survey to establish the elevations of the top of the exposed utility lines for the Engineer, and for the purpose of establishing methods of protecting the structures during construction activities.

The Contractor shall expose and verify, by survey, the depth and alignment of all underground utilities in the construction site for each phase. The Contractor shall pothole and survey all utilities where they enter the horizontal limits of any new pavement construction, and anywhere they cross a new storm drain or electrical duct installation. The Contractor shall notify the Engineer immediately, in writing, of any conflicts between the project work and any existing utility. Pothole elevations shall be included in the “as-built” construction plans. The Engineer may request additional potholes at anytime.



See Section 5 of these Specifications for additional requirements relative to locating underground utilities.

18-3 METHOD OF MEASUREMENT

Measurement for payment will be the number of potholes of the types indicated, as directed and/or approved by the Engineer in the field, completed to the satisfaction of the Engineer.

18-4 BASIS OF PAYMENT

Payment for exploratory potholes for utilities not shown on the plans, and made with the Engineer’s prior approval, will be made at the contract unit price per pothole of each type indicated, which price shall include all necessary labor, supervision, tools, equipment, permits and incidentals to excavate, identify and survey the utility. Potholes for utilities that are shown on the plans are considered incidental to associated bid items and no separate payment will be made.

No additional payment will be made for difficulties encountered when accomplishing the work under night construction conditions.

Payment will be made under:

[Item 18.1 Potholes - Hand.....per each]

[Item 18.2 Potholes - Machineper each]

END OF SECTION 18