

ITEM 08615.8904 M - MODIFY IRRIGATION SYSTEM (BERGSTOL PROPERTY)

DESCRIPTION:

This work shall consist of modifying an existing irrigation system, due to grade changes, at the location shown on the plans.

MATERIALS:

Pipe shall be NSF approved, Class 200, SDR-1, 200 p.s.i. unplasticized polyvinyl chloride resin. The pipe shall have plain or tapered ends with separate solvent weld couplings.

Swing joints shall be schedule 40 galvanized steel.

CONSTRUCTION DETAILS:

The contractor shall remove existing irrigation lines and sprinklers within the areas to be graded. The contractor shall furnish and install new pipe and re-install existing quick coupling valves and sprinklers in conjunction with grading operations. The modified system shall match the existing in layout and coverage.

All work shall be coordinated with the planting/lawn operations of the owner. The contractor shall be responsible for watering of vegetation, within the reach of the existing irrigation system, for the duration of the system down-time.

All installation shall adhere to the manufacturer's recommendations for pipe and valves relating to trust blocking, handling, storing, cathodic protection and testing. In addition, the following shall apply:

- a. Quick coupling valves shall be mounted on swing joints sized to match the pipe on which the heads are connected.
- b. Thrust blocks shall be installed at locations subject to blowout or movement such as pipe ends, tees, elbows, reducers and valves.

The contractor shall adjust the location of the pipe, valves, etc. as approved by the Engineer, to avoid any soil disturbance within the drip line of all trees on the site.

Excavation and backfill requirements shall be as specified for water services.

METHOD OF MEASUREMENT:

Payment for modifying the irrigation system will be made on a lump sum basis.

BASIS OF PAYMENT:

The lump sum price shall include the cost of all labor, material and equipment to complete the work, including excavation and backfill.