

SECTION 629

WATER DISTRIBUTION FACILITIES

DESCRIPTION

629.01.01 GENERAL

The following is added to this subsection:

The work shall be in accordance with the latest edition of the "Uniform Design and Construction Standards for Water Distribution Systems" (UDACS).

Any method of relocation or incasement of water facilities other than that indicated on the plans or the standard drawings must be approved by the Engineer and the City prior to beginning of work. Concrete encasement of the water facilities is not allowed, unless approved by the Utilities Inspector.

629.01.02 STANDARDS

The following is added to this subsection:

The Uniform Design and Construction Standards for Water Distribution Systems most recent edition (UDACS), City of North Las Vegas Municipal Water Service District Rules and Regulations, together with details of these plans, shall be used in conjunction with the Standard Specifications.

MATERIALS

629.02.01 GENERAL

The following is added to this subsection:

All materials for water distribution facilities construction shall be in accordance with the current edition of the City of North Las Vegas Approved Materials List, Municipal Water Service Rules and Regulations, UDACS, and the plans and specifications.

CONSTRUCTION

629.03.01 GENERAL

The following is added to this subsection:

The approximate location of water vaults, valves, blow offs, meters, main lines, and fire hydrants are indicated on the plans. However, it shall be the Contractor's responsibility to locate, relocate, remove, and/or adjust these items as necessary for proper placement according to the plans and UDACS.

Any method of adjustment and/or relocation of water valve boxes, meters, vaults, mains, or fire hydrants other than that indicated on the plans or standard drawings must be approved by the Engineer and the City prior to beginning work. The approximate locations of main lines are indicated on the plans.

It shall be the CONTRACTOR'S responsibility to provide reference markers and records of the location of each water valve box and meter to allow for access at anytime.

In paved areas, all new or adjusted water valve boxes shall provide a concrete collar with a total diameter of twenty-four (24) inches and a thickness of ten (10) inches.

CONSTRUCTION

629.03.12 TESTING

The following is added to this subsection:

All water mains shall be filled, pressure tested to 200 PSI, disinfected, flushed, refilled, and an acceptable water sample obtained, prior to connection to the City of North Las Vegas' water distribution system. Water quality samples shall be collected by the City. Contact City of North Las Vegas Utility Division twenty-four (24) hours in advance to schedule sampling.

629.03.18

A minimum of 18-inches vertical separation (outside of pipe to outside of pipe) must be maintained when the water line is installed over the sanitary sewer line. If vertical separation cannot be maintained or the waterline must be placed under the sewer line the sewer line must be:

- A. Composed of water supply quality material
- B. Sleeved with potable water supply quality pipe.

Each provision must be extended along the sewer line on either side of the main 10- feet perpendicular to the water line.

METHOD OF MEASUREMENT

629.04.01 MEASUREMENT

This subsection is changed to read as follows:

No separate measurement for concrete collars shall be made and is considered incidental to the work.

BASIS OF PAYMENT

629.05.01 PAYMENT

This subsection is changed to read as follows:

The contract unit price paid per linear foot of water main shall be full compensation for complete installation of each size and type specified, including, but not limited to, all thrust blocks, and anchor bolts, fittings, connections, pipe, fire hydrants to include gate valve and lateral, the 1-inch Domestic Service Lateral shall include the domestic corporate stop, the required 1-inch copper pipe, the meter box (Please note the meter box lid is to be a Fibrelyte lid or approved equal), and the relocation of the existing meter where necessary, testing, disinfection, trenching, excavation, Type II aggregate base, compaction, shoring, pipe bedding, backfill, trench plating, protection and restoration, if damaged, of existing facilities, testing, disinfecting all work, materials, equipment, and any other work and incidentals necessary to complete the work as shown on the plans, as specified herein, as directed by the Construction Manager.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
8" PVC Water Main	Lineal foot
1" Domestic Service Lateral	Each
Fire Hydrant	Each
8" 45° Elbow	Each
8" 90° Elbow	Each
8" Gate Valve	Each
6" Gate Valve	Each
12" x 12"x" 8" Wet Tap	Each
6" x 6" x 6" Tee	Each
18" Steel casing Filled with Sand	Lineal foot