

CLARK COUNTY, NEVADA  
BID SPECIFICATION FOR THE LAUGHLIN REGIONAL HERITAGE GREENWAY TRAIL LIFT STATIONS  
FEDERAL FUNDING

In this example, the pump station specification was a supplement to the Clark County Uniform Standard Specifications.

*Note: This was a project that used Federal funds.*

The highlights of this specification are:

1. "Or Equal alternate Sanitary Sewer Lift Stations will be evaluated provided the CONTRACTOR can submit US Bureau of Reclamation, National Park Service, Nevada Division of Environmental Protection, Southern Nevada Health District and Clark County Water Reclamation District regulatory and operational approval prior to the Project Notice to Proceed date. All "or equal" alternate Sanitary Sewer Lift Station must meet or exceed the performance and warranty standards described in the referenced scope and supply documents."

*Note: These documents are the Romtec Utilities Scope of Supply and Design Submittal for each lift station.*

- This statement allows the City and its reviewing engineer to review any "equal" packages to determine if they completely match the Romtec Utilities scope of supply and services as shown in the Romtec Utilities Scope of Supply and Design Submittal.
- This statement ensures that any "or equal" proposals will completely match the pumping system as designed and by Romtec Utilities. The customer (in this case Clark County) will eventually receive the exact pumping system as specified.

*Note: This specification would have been more beneficial if the "equal" submittals were required 10 – 15 days before the bid opening.*

2. "Sanitary Sewer Lift Stations must be supplied by a manufacturer regularly engaged in the manufacture of pre-packaged lift stations and have at least five years documented experience in the manufacture, installation supervision, start-up services, training of project operation and long term maintenance of lift stations installed on Federally Administered Lands."

- This statement ensures that the lift station will be supplied by an experienced package pump station manufacturer that is also experienced in supplying pump stations to the Federal Government.

Missing language that would have made this a stronger specification:

1. "The equipment supplied under this section shall be supplied or manufactured by a single source manufacturer".
- This language would ensure that the complete pumping system will not be "broken up" into separate components supplied by multiple manufacturers.

**SECTION 630**

**SANITARY SEWERS**

**DESCRIPTION**

**630.01.01 WORK INVOLVED:**

*Change this subsection to read as follows:*

This work shall consist of construction of a sanitary sewer collection pipe, manholes, lift stations, force mains and cleanouts as shown on the Contract Drawings.

*Add the following subsections:*

**630.01.11 STANDARDS:**

All sanitary sewer improvements shall be constructed in accordance with the Southern Nevada Design and Construction Standards for Wastewater Collection Systems, 1997.

**630.01.12 ENCROACHMENT OF SEPTIC SYSTEMS:**

If leach fields or septic tanks are encroaching are in conflict with Day Use site improvements, the CONTRACTOR is required to contact the Clark County Health District for guidelines for removal and protection of leach fields and septic tanks. Disposal of septic system items shall be in accordance to the Health District's standards and payment in accordance with Subsection 109.08.

**630.01.13 SANITARY SEWER LIFT STATIONS:**

For regulatory and operational permitting purposes, Sanitary Sewer Lift Stations designed by Romtec Utilities, Inc. are referenced as part of the Project. "Or Equal" alternate Sanitary Sewer Lift Stations will be evaluated provided the CONTRACTOR can submit US Bureau of Reclamation, National Park Service, Nevada Division of Environmental Protection, Southern Nevada Health District and Clark County Water Reclamation District regulatory and operational approval prior to the Project Notice to Proceed date. All "or equal" alternate Sanitary Sewer Lift Station must meet or exceed the performance and warranty standards described in the referenced scope and supply documents. Sanitary Sewer Lift Stations must be supplied by a manufacture regularly engaged in the manufacture of pre-packaged lift stations and have at least five years documented experience in the manufacture, installation supervision, start-up services, training of project operation and long term maintenance of lift stations installed on Federally Administered Lands.

**Day Use Area Sanitary Sewer Lift Station No 1:** CONTRACTOR to provide one (1) Romtec Utilities packaged lift station or equal as described in "*Romtec Utilities Scope of Supply and Design Submittal Laughlin Heritage Trail Day Use SSI*" available from Romtec Utilities, Inc.

For further information regarding the lift station contact: Mr. Jim Baird, Romtec Utilities, Inc., 18240 North Bank Road, Roseburg, Oregon 97470. Telephone: (541) 496-9678.

**Trailhead Two Sanitary Lift Station No. 2:** CONTRACTOR to provide one (1) Romtec Utilities packaged lift station or equal as described in "*Romtec Utilities Scope of Supply and Design Submittal Laughlin Heritage Trail Trailhead SS2*" available from Romtec Utilities, Inc.

For further information regarding the lift station contact: Mr. Jim Baird, Romtec Utilities, Inc., 18240 North Bank Road, Roseburg, Oregon 97470. Telephone: (541) 496-9678.

## METHOD OF MEASUREMENT

### **630.04.01 MEASUREMENT:**

*Change this subsection to read as follows:*

The unit of measure for sanitary Sewer Pipe (regardless of size and type), with or without Concrete Encasement shall be per linear foot, measured from the end of pipe or inside face of structures.

The unit of measure for Steel Casing (regardless of size and wall thickness) shall be per linear foot, complete and in place.

The unit of measure for Sanitary Sewer Manholes, regardless of size and type, shall be per each, complete and in place.

The unit of measure for Force Main Cleanout and Sanitary Sewer lateral Cleanout, shall be per each, complete and in place.

The unit of measure for Sanitary Sewer Lift Stations shall be on a lump sum basis, complete and in place.

## BASIS OF PAYMENT

### **630.05.01 PAYMENT:**

*Change this subsection to read as follows:*

The Contract unit price bid for sanitary Sewer Pipe (regardless of size and type) shall be full compensation for all labor, equipment, and materials to complete the work including, excavation, shoring and dewatering inclusive of Professional Engineering design, pipe bedding and trench backfill, placement of locator balls and tape, materials, pipe, pipe fittings, moisture conditioning, compaction, and connection of laterals all in accordance with the standard specifications, applicable building codes, as specified herein and as directed by the ENGINEER.

The Contract unit price bid for sanitary Sewer Force Main (regardless of size and type) shall be full compensation for all labor, equipment, and materials to complete the work including, excavation, shoring and dewatering inclusive of Professional Engineering design, pipe bedding and trench backfill materials, pipe, pipe fittings, pipe joint / fitting fusion welding, concrete thrust blocks, placement of locator tape and balls, moisture conditioning and compaction in accordance with the standard specifications, applicable building codes, as specified herein and as directed by the ENGINEER.