

SECTION 33 32 13.13 - PACKAGED BOOSTER PUMP STATION

PART 1: GENERAL

1.1 SUMMARY

- A. The work shall include designing, supplying and constructing the pumping equipment, piping, controls, and building as a complete, pre-designed, packaged booster pump station as shown on drawings and as specified herein. The pump station supplier shall be a single source design, engineering, and manufacturer who shall design, supply and construct the packaged booster pump station and control building.

1.2 SCOPE

- A. Package booster pump station with all listed components supplied by the pump station supplier. The pump station supplier shall be solely responsible for proper integration, supply, performance, construction and warranty of all pump station components delineated in this specification and on the drawings shown in the Appendix: Romtec Utilities Scope of Supply, Design & Installation Submittal, which shall be used as a guide of the minimum product specifications that shall be met.
- B. Pump station supplier to have a minimum of five (5) years of experience in complete pump station design, supply and construction.
- C. Alternate pump station suppliers shall demonstrate that they have designed, engineered, produced, and delivered at minimum ten (10) other functioning pump stations of similar type. Project completion date and a reference contact from the owner of each project must be provided.
- D. Within three (3) weeks of contract award, the pump station supplier shall submit the packaged booster station Scope of Supply, Design and Installation Submittal (SSDIS), including the mechanical, electrical and structural drawings.
- E. The SSDIS is reviewed by the necessary parties and returned to the packaged pump station supplier with any revisions to the contractual language, product data sheets, or plan set drawings. The drawings shall be of sufficient detail for the engineer(s) to review for conformity to the contract.

- F. Alternate pump station suppliers wanting to supply products different than what is specified are required to prepare a complete submittal package with all structural, mechanical and electrical items. This shall be submitted ten (10) calendar days prior to the bid opening date. Submittals will be approved or denied prior to bid opening date.
- G. The building and its concrete footings, foundation, and slab are to be engineered by the pump station supplier to meet site specific conditions including wind and snow loading, local frost depth, and ground conditions.
- H. Footings are to be dug by the pump station supplier and poured on site to meet local code for permanent structures. A prefabricated, modular mat placed on compacted base is not an accepted equal to a site specific, site poured, engineered foundation.
- I. Building is to be designed and constructed on site to meet local codes and approvals for permanent structures. Any building that is temporary, permanently relocatable, prefabricated modular, an offsite constructed product, or pre-cast is not an accepted equal to permanent, on site, conventional construction.
- J. No outside entity approval will override the local building authority's codes and inspections. Seals meant for prefabricated structures, modular homes and production plant certifications will not be allowed in lieu of conventional inspection during construction.
- K. Building sidings, treatments, and roofing are to be as specified. Precast buildings with painted textures are not to be considered architecturally equivalent.
- L. The pump station supplier shall submit complete, code compliant building plans and structural calculations meeting code loads, design loads, and seismic design under seal of a professional Engineer with current license in the state of _____.
- M. All work and materials shall comply with the latest industry building codes and regulations for the state of _____.
- N. All work performed under this section shall be in accordance with all approved trade practices and manufacturers' recommendations.
- O. Complete Operation & Maintenance manuals to be provided by the pump station supplier and project completion.

- P. A technician of the pump station supplier must be present for the initial start-up of the system to provide field testing, technical advice, training for the owner's personnel, and activation of the warranty.

1.3 SUBMITTAL DOCUMENTATION

The following sections shall be included in the package pump station supplier's submittal. Incomplete submittals will be rejected and returned to the bidder.

- A. INTRODUCTION
- B. SERVICES
- C. PRODUCTS AND SERVICES NOT SUPPLIED BY PUMP STATION SUPPLIER
- D. WARRANTY
- E. PROJECT DESIGN CRITERIA
- F. MECHANICAL
- G. ELECTRICAL
- H. BUILDING
- I. INSTALLATION

PART 2: PRODUCTS

2.1 APPROVED MANUFACTURERS

- A. Romtec Utilities, Inc.,
18240 North Bank Rd. Roseburg, OR. 97470
Tel: 541-496-9678; Fax: 541-496-0182; Email: romtec3@romtecutilities.com
Web: www.Romtecutilities.com
- B. Requests for substitutions will be considered in accordance with provisions of Section 1.

(PRODUCT SPECIFICATIONS ARE IN PROGRESS...)