

vaughn concrete products, inc.

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SAMPLE SPECIFICATION FOR PRECAST CONCRETE LIFT STATIONS

Precast Concrete Lift Stations are to be manufactured by a firm, which has a minimum of 5 years successful experience in fabrication of Precast Concrete units such as those required on this project. Precast Concrete Lift Stations to be manufactured by Vaughn Concrete Products, Inc., (877) 827-8255, or a pre-approved comparable manufacturer. For pre-approval all other manufacturers must present complete shop drawings and submittals for verification of compliance with design criteria along with a list of several completed projects using similar type products. The list of completed projects shall include project name, location, type and size of precast structure provided and a contact name with a phone number of an individual familiar with the project. This must be provided to the design engineer at least 21 days prior to project bid date. A full five days must be given to the design engineer for submittal review. Supplier approval must be obtained 14 days prior to bid opening. No late approvals will be allowed. A plant inspection will (may) also be required for production facility inspection, similar product inspection and to review record keeping for material certification. The submittal information must be supplied in accordance with requirements of the project specifications and must address compliance with the items listed below.

Precast Concrete Lift Stations shall be designed and manufactured in accordance with the requirements of ASTM C-857 and C-858 latest revision. The precast manufacturer shall submit shop drawings, structural design calculations performed by a registered engineer and material certifications as follows to verify all products used in manufacturing meet the design requirements:

REINFORCING BARS	ASTM A-615 or A-706
AGGREGATES	ASTM C-33
CEMENT	ASTM C-150
JOINT SEALANT (IF USED)	ASTM C-990

Production of precast units shall not begin until the design engineer and/or purchaser reviews and approves all submittals. Compressive strength test results for the precast units must be supplied prior to their delivery to verify that the strength requirements were met. The compressive strength tests must be done in accordance with ASTM C-39.

Designer is to specify:

Interior Width, Length and Height
Any Special Configurations (Piping Sizes and Locations)
Loading Requirements: Light, Medium or Heavy Traffic
Any Other Requirements