

UNITED STATES DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE

CONSTRUCTION SPECIFICATION

CS-62: "PUMP"

62.1 SCOPE

The work shall consist of installing the pump, motor and power connections as per the manufacturer's instructions.

62.2 MATERIALS

The materials used in the manufacturer of the pump shall be compatible. Special material requirements, where applicable shall be shown on the drawings.

62.3 ELECTRICAL REQUIREMENTS

All electrical service, installation and connections shall be in compliance with the National Electrical Code (NEC) and all local codes or regulations for installation of electrical equipment. All electrical equipment including electrical motors and panels shall be grounded.

62.4 PERFORMANCE

The pump shall be within the rated performance of the manufacturer. The performance shall include; suction head, discharge volume and pressure. The drawings shall specify the discharge and pressure rating at the location of the pump station. A copy of the manufacturer's performance curve for the pump shall be submitted to the technical representative.

62.5 FOUNDATION

The pump platform or foundation shall be of the materials and to the dimensions shown on the drawings. The anchor bolts shall be spaced to securely hold the pumping plant in place without excessive vibration.

62.6 PIPE CONNECTIONS

The inlet and discharge connection shall be sized for pump and be installed to minimize losses through bends, valves and transitions. The pumping schematic shall be reviewed by the technical representative prior to installation.

62.7 POWER SOURCES

The power sources may be internal combustion engines, electrical motors or power takeoffs. The shields or guard from the drive units shall be in place and properly secured. All electrical operated units shall be properly grounded.