Impalae to be drived by stainless steal shaft key and impelier held in place with lock zerew and washer. Impeliar and motic shall lift off of case as a unit without distrubing discharge piping.

The impeller shall be cast ductile from and of the 2-vane solids handling endowed type. Vane inter tips shall be castday rounded to prevert strings material from catching in vanes. Pump-out vane shall be used in front and back chambar, Impeller shall be dynamically balanced.

An electrode shall be mounted in the seal chamber to detect any valeet entwing the chamber through the lower seal. Water in the chamber shall cause a red light to turn on at the control box. This signal shall not stop moor but shall act as a warring only, indicating service is required.

A has searce threads table la search or and rehebblid in the winding and is concreted in searce wait motor states construction of the properties of winding at more than 130°C. Thermodet is near automatically which notic code to all the operating amplementary. These has an endors and the search of share motors. The common pump, motor shall shall be d 116 bairings attempts.

Motor shall have two heavy-dury ball bearings to support pump shalt and take redail and thrust loads. Ball bearings shall be designed for 50,000 hours B-10 life. States shall be heat shrunk into motor housing.

Base velopity shall be of the specific thread of the state of the stat

Party motor shall be of the sealed schemable type rated — HP at ____00%, 6014ers: Micro rate be for single phase 350 visit _____010 motor and _____00 visit ____00 visi

Pump shall have a capacity of _____ GPM as a total hear of _____ feet and shall use a _____ HP motor operating at ______ RPM.

Impeller neck shall run in bronze wear ring that is pressed into volute case.

The volute case shall be cast iron and have a flanged center line discharge. Discharge flange shall be four (4) inch standard with bolt holes straddling center line. Bronze wear ring to be pressed into case for guiding impeller neck and to prevent corrosion freeze-up. Wear ring to be held from rotating by locking with stainless steel set screw in end of ring. The volute shall have integrally cast legs for mounting pump on bottom of wet well (V4WHV).

______ The pump shall be painted with waterborne hybrid acrylic/alkyd paint. This custom engineered, quick dry paint shall provide superior levels of corrosion and chemical protection. All fasteners shall be 302 stainless steel.

Power cord and control cord shall be double sealed. The power and control conductor shall be sealed with epoxy potting compound to seal outer jacket against leakage and to provide for strain relief to meet agency requirements. Insulation of the power and control cords shall be SOOW or W. The power and control cords shall also have a green carrier ground conductor that attaches to the motor frame.