lubricant chamber shall have one drain and one inspection plug that are accessible from the exterior of the motor unit. The seal system shall not rely upon the pumped media for lubrication.

H. Removable wear rings shall be provided at pump casing and impeller, except where not applicable and shall satisfy following criteria as a minimum:

- Corrosion resistance;
- Abrasive wear resistance;
- Galling characteristics;
- Casting and machining properties;
- Suitability for coating;
- Cost and selection of materials complying with applicable BS EN and ANSI standard.

Clearance within the rings shall be acceptable and according to manufacturer standard or other approved standards. Casing ring hardness shall exceed impeller ring hardness at least for 50 points of the Brinell scale.

I. Pump motor shall be in accordance with relevant Section of this Specification.

1.2.4.4 Drainage Pumps

A. Drain pumps, installed in drain sumps, shall be submersible type having the required pumping capacity at a head sufficient enough to enable discharge above the emergency level of the plant. The pump shall be equipped with all necessary pipe work, valves, check-valves, vent-valves, controls, etc. for fully automatic and safe function including failure alarms.

1.2.4.5 Painting System Corrosion Protection

A. The external coating of the pump shall comprise two pack epoxy resin to a minimum dry film thickness of 300 microns. The finish color shall be RAL 7035.

B. The internal part of the casing shall be coated with an approved coating suitable for storm water application.

C. Epoxy coatings shall comply with BS 6920.

D. In addition to the selected materials and special epoxy painting (internally and externally), zinc anodes must be used for corrosion protection. Cathodic protection using sacrificial Zinc anodes to be used to protect the pump and its parts from