- D.
- E. All chemical sealing materials used in the performance of the work specified must have the following properties and characteristics:
 - While being injected, the chemical sealant must be able to react/perform in the presence of saline groundwater.
 - The cured material must withstand submergence in water without degradation.
 - iii. The seal formed must prevent the infiltration of water through the drainage pipe joint.
 - iv. The sealant material, after curing, must be flexible.
 - v. In place, the sealant formation should be able to withstand wet/dry cycles without adversely affecting the seal.
 - vi. The sealant formation must not be biodegradable.
 - vii. The cured sealant should be chemically stable and resistant to the concentrations of acids, alkalis, and organics found in normal drainage in Abu Dhabi.
 - viii. Packaging of component material must be compatible with field storage and handling requirements. Packaging must provide for worker safety and minimise spillage during handling.
 - ix. Mixing of the component materials must be compatible with field operations and not require precise measurements of the ingredients by field personnel.
 - Clean up must be done without excessive use of flammable or hazardous chemicals.
 - xi. Residual sealing materials must be easily removable from the drainage line to prevent reduction or blockage of the drainage flow.

29.3 Part 3 Execution

29.3.1 Drainage Pipeline Cleaning

29.3.1.1 General

A. The Contractor will be provided with gravity drainage lines that have been periodically cleaned by the ADM Operation and Maintenance Section or a nominated Contractor. Any additional cleaning required to carry out the Works specified herein will be the responsibility of the Contractor.