



### 02.12 - Non-Aggressive Ground Conditions

To install a pipe underground or above ground in ground conditions considered to be non-aggressive, the following must apply:

- a) The pipe must not come in to contact with salt-water or salt spray
- b) The pipe must not be subject to and tidal conditions or forces
- c) Internal and external surfaces of pipes exposed only to fresh or brackish water
- d) The soil and ground conditions are not contaminated with Acid Sulphate Soil, as per the Department of Environment Regulations guidelines. (DER 2015)

### 02.13 - Marine Environment

To install a pipe underground or above ground in ground conditions considered to be a Marine Environment, the following must apply:

- a) Only the external pipe surface is to come in contact with salt water or salt spray
- b) The soil and ground conditions are not contaminated with Acid Sulphate Soil, as per the Department of Environment Regulations guidelines. (DER 2015)

### 02.14 - Acid Sulphate Soils

Planning of stormwater drainage systems within potential acid sulphate soil zones must be undertaken with considerations for items such as, but not limited to:

- Highly acidic soils affect on the surrounding and downstream environment;
- The potential that groundwater is also highly acidic; and
- The acidic conditions affect on existing and new infrastructure.

The Department of Environment and Conservation has produced guidelines to assist with the identification, treatment and management of acid sulphate soils within Western Australia. Refer *Identification and investigation of acid sulfate soils and acidic landscapes* (DER 2015) and *Treatment and management of soils and water in acid sulfate soil landscapes* (DER 2015).