

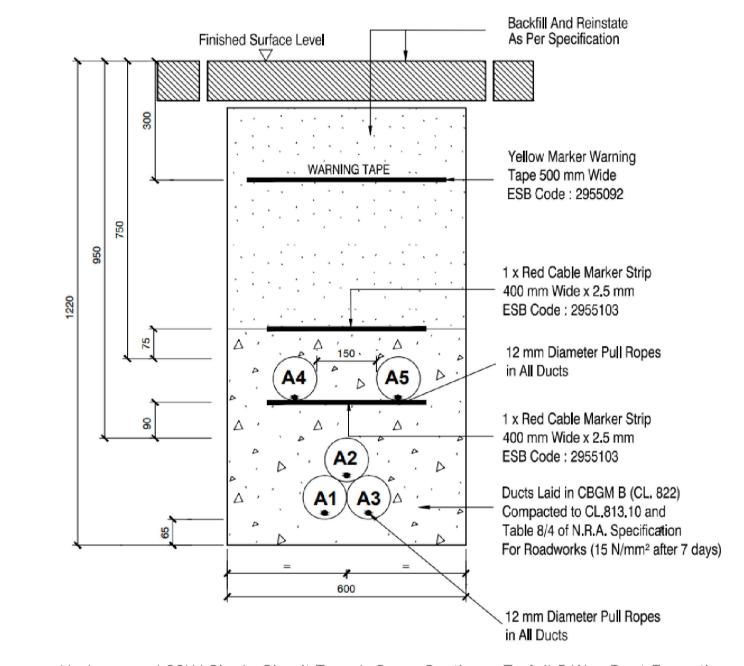
Not to scale, dimensions in millimetres

Typpical Details of Outfall to Watercourse

NTS

- Selected Galvanised Steel Railing 1.2m high fixed directly to hollowcore slab -Concrete abutment (C30/37) with 1no. layer A393 mesh at base cast on using HILTI anchor bolts Lean mix base on 225mm compacted Clause 804 Road build-up as per cross section detail below

Typical RC Pedestrian Bridge over Drainage Channel



• ESS Eco-cell modules (or similar approved) measuring 690mm x 410mm x 450mm high, arranged as shown,

impermeable geomembrane and with stainless steel strangle bands for fastening around the pipe,

• Modules to be laid on a flat, level and smooth base of selected, compacted granular material,

• Minimum cover over Eco-cell modules is 500mm in a green area and 650mm in a trafficked area,

x 300mm clear opening and a minimum of 100mm frame depth on mortar bed,

punched, non-woven geotextile with lapped joints,

to installation.

spills.

Flow Control:

<u>Hydrocarbon Interceptor Notes:</u>

• Modules to be wrapped with Tuflex impermeable geomembrane (or similar approved) with lapped, heat welded joints,

• To protect the waterproof geomembrane during backfilling the top and sides are to be lined with a geotex 300 PP needle

• 100mm thick layer of thick coarse sand or class 6H selected granular material to surround geotextile on the top and sides of

• Vent Box - Stanton heavy duty ductile iron double triangular surface box (or similar approved) with a vented cover, 300mm

• A CBR of between 3% and 5% has been assumed at sub-base level. CBR testing will be carried out by the contractor prior

Bypass interceptors are designed to treat 10% of peak flows where the risk of a large spillage and heavy flooding occurring

This vortex flow control device is specifically designed for the required flow, has no moving parts and is powered by water

• The device is designed to minimise risk of blockage but is also equipped with a bypass door that can be manually opened

prevent flooding. The overflow level will be set such that flow from all events up to and including a 1 in 100 year storm event

• Outlet Manholes will also be fitted with an overflow pipe, in accordance with the manufacturer's recommendations, to

Klargester bypass hydrocarbon interceptors are to be installed immediately upstream of the attenuation tanks and flow

Bypass separators are considered suitable where there is a risk of infrequent light contamination and potential for small

Fluid Cone Agua Brakes (or similar approved) will be installed at the attenuation outlet manhole to limit flow to the

<u>Underground 38kV Single Circuit Trench Cross Section - Trefoil 5 Way Duct Formation</u>

