

# **ASDA PFS South Shields**

**Issue: June 2018**

## **Typical Fuels Installation Information**

### **1 TANKS**

2no. underground tanks are double wall and are made of steel. The externals of the tank are treated with a polyurethane coating. The steel tanks must be built in accordance with at least EN 12285 and where necessary must meet more stringent local requirements. Tanks are to be supplied with a certificate, that testifies that they are made in full compliance with the regulations in the country of installation. More technical details are provided in the latest release of the "European Specifications for the Construction of Underground Fuel Storage Tanks".

The tanks to be installed at South Shields are 75,000 litre single compartment tanks. Wefco tank data sheet included.

### **2 PIPES**

Suction systems are used for the delivery of fuel from the underground tanks to the pumps. Pipework to be installed is to be single skin on pump island lines and dual contained on offset fill to tank lines. Pipes are to be made from Polyethylene and joints within the pipework run are electro fusion welded and the whole pipework system is pressure tested for an extended period to confirm the system is sealed.

Pipework installation drawing and manufacturers information have been included within this pack.

### **3 LEAK DETECTION/ALARMS**

All double wall systems (tanks and lines) to be permanently monitored for product leaks. All leak detection systems used should meet the requirements of EN13160 and ATEX.

- Double wall steel tanks are monitored by a Class 1 interstitial leak detection system linked back to a DL330 monitoring system.
- The preferred method for detecting leaks in pipes is an open double wall system, which is monitored for leaks by locating sensors in the chambers they drain.

### **4 MONITORING WELLS**

The underground tank installation shall also be installed with 1 no. monitoring wells. Wells are typically not permanently monitored, but are used for ad hoc inspections.

A typical drawing for the installation of a monitoring well has been included within this pack.