

# **STORMDRAIN**

## **High Capacity Line Drainage**

### **Installation Method Statement**

1. Set out the drainage line and level relative to the finished hardstand surface.
2. Excavate a trench along the centreline of the drain allowing for a minimum of 200mm concrete bed and surround to the selected STORMDRAIN size.
3. Place 200mm depth of semi-dry concrete, (C35 minimum grade) to the trench base and bed the units to the correct line and level working upstream, inserting spigot ends into socket of units. Plastic Wedges are provided to insert into the spigot/ socket joint to aid alignment.
4. Using the rubberised tape provided, tape along the length of the slots to inhibit the ingress of grout during concreting operations.
5. Place 200mm concrete surround to the STORMDRAIN up to the level of the underside of the hardstand surface, (C35 minimum grade). Care must be taken not to disturb the line and level of the installed units, (temporary support can be introduced if required).
6. Following the successful installation of the STORMDRAIN units and providing the concrete surround has achieved the required design strength, the hardstand construction can progress.
7. When preparing the slab for concreting, reinforcement fabric should be continued over the STORMDRAIN to within 50mm cover of the neck of the unit.
8. When using the 400mm wide or larger STORMDRAIN units an additional layer of reinforcement fabric should be incorporated as shown on our details.
9. The concrete slab / surface finish should be 5mm above the throat inlet.
10. Following completion of the concreting works, remove the tape and ensure all inlet slots are clear.
11. Free movement joints should be introduced when used in a concrete slab at 900mm from the centre of the channel. Movement details as per the slab engineers design.
12. If required, expansion joint gaskets can be provided for movement within the length of the channel.