

# **INSTALLATION METHOD STATEMENT**

## **Polymer Headwall**

It is essential that the installing contractor carries out a site specific risk assessment. Working next to live roads, rail or water should always be considered high risk and should be planned for accordingly.

## Method Statement

**1) Excavate Bank.** To accommodate the size of the headwall allowing for a minimum of 600mm of working space.

**2) Locate Toe Position.** Excavate trench to accommodate the toe at the rear of the headwall.

**3) Prepare base.** Lay a level bed of semi dry concrete and compact. A 150mm thick layer is usually sufficient. In poor ground this can be increased to suit.

**4) Position Headwall.** Lift the lightweight headwall into position, ensuring that the unit is level.

**5) Install collar.** Place the collar into the headwall.

**6) Connect to drainage pipe.** Insert the drainage pipe into the collar at the back of the headwall.

**7) Remove filling caps.** (See photos below).

**8) Add 2/3 buckets of water into headwall moulding.** To help the concrete to flow freely thru the moulding

**9) Fill with concrete to underside of lower (side wall) filling holes.** Place the concrete into the headwall thro the side wall filling holes. Fill the mould in layers (300mm max). Sparingly use a 1" vibrator to compact the concrete. Do not over vibrate.30 seconds max per layer. Do not leave the vibrating poker in the moulding whilst filling and only vibrate each layer only once\*.

**10) Replace side wall filling caps.** (See photos below).

**11) Continue filling with concrete.** Fill the moulding to the top in layers as before.

**12) Fit Handrail (if specified).** Lift the handrail into position. Drop onto the fixing studs and tighten the security nuts.

**13) Backfill.** Backfill the unit in 225mm layers or in accordance with local authority specification.

**14) Grade Bank. Grade bank to suit.**

### Plant

360 excavator.(3t or bigger).

25mm vibrating poker.

1/2m<sup>3</sup> concrete skip.

Lifting chains and shackles.

1T lifting strap.

### Materials

1.2m<sup>3</sup> C25/30 concrete with a 75mm slump.

### \*WARNING

**Excessive use of a vibrating poker will cause the polymer headwall to deform.**

## Removing and replacing filling caps.

