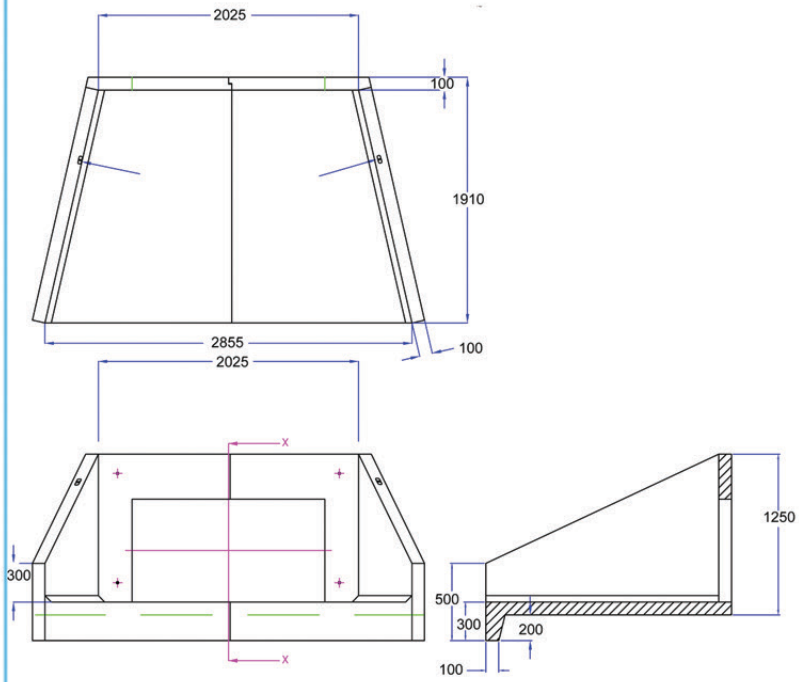
Althon CH20C A Headwall Range



Headwall Details

This is a sectional structure with rebated joint, assembled on site around the box culvert and locked together by means of stainless steel cast-in sockets and brackets provided. The Althon Culvert Headwall CH20C A will accommodate box culverts with a maximum internal dimension of 1500mm wide x 800mm high. Available with a standard backwall height of; 1.25m, with lifting points cast in to each wingwall for safe handling using Althon lifting clutches. Stainless steel sockets are provided for the attachment of gratings and special brackets are available for use with the anchorage system.

Culvert Headwall Range	Max Internal Opening	A mm	B mm	Approx Weight (KG)
CH20C A	1500 x 800	1250	300	2600

Installation Instructions

1. Dig out the bank of the watercourse to take the appropriate size of the headwall making sure that the headwall will not protrude into the path of the water flow.

2. Dig out a sufficient size trench to take the toe along the front of the foundation. The toe should be installed first; mass concrete should be used to backfill in front and under the unit.

3. Lay a 100mm thick bed of semi dry concrete as a foundation to sit the headwall level, or with a slight fall (1:50) from pipe to spill mouth.

4. Using appropriate lifting clutches (available from Althon LTD) in the anchor positions on the wing walls lift the unit and carefully manoeuvre into position on prepeared foundation.

5. Mass concrete should be used to backfill in front and under the toe and well compacted impervious clay around the rest of the unit.

6. Position pipe in prepared trench and insert through backwall of headwall (flush if with flap valve or grating -50mm protrusion if not).

7. Fill void around pipe with a good quality sand cement mortar.

8. Once satisfied with the positioning of the pipe, backfill in accordance with Engineers instructions.