

NOTES:

All dimensions in mm U.O.S

All measurements ± 1mm

Specification Information

Opening in back wall cast to suit outside diameter of the pipework.

Invert level of pipe can be set to your specification.

Headwall Installation
Units should be bedded on minimum 100mm thick well compacted Class
Af selected well graded granular material.

\*Manual of contract documents for Highway Works: Volume (MCHW1)
specification for Highway Works, Senses 500 (Nov 09).

Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth.

<u>Handling</u> A

Weight of concrete is based on 2.4 tonne/m3+5% is weight of concrete is based on 2.4 tonnems+59 recommended for sizing lifting equipment. All lifting points shall be used as specified below. Unit to be lifted as per lifting diagram.

Mix ref: Self-Compacting DC4/DS4 Mix Lifting strength based on 2 cubes = 20N/mm2
Characteristic 28 day cube strength = 50N/mm2
Concrete provides Design Chemical Class 4 (DC4) to

special Dinest 1 Table F2 Reinforcement to BS EN 13369.

Scheduling, dimensioning, bending & cutting to BS8666.
Cage to be machine tied with steel wire.

Manufacture
A. Manufacture to BS EN 15258:2008 precast concrete products - Retaining wall elements, Factory Production Control Certificate number: 0086-CPR-650448 & BS EN

Tolerances to BS EN 13369 clause 4.3.1.1 Finishing:

Top Sides Rear Rear of back v
Class A A A Self - Levelle
Marking: Units shall be indelibly mark

Mould Reference code. De-mould date.

Job reference number & unique product number.

Unit weight (kg)

Concrete design to EC2.

JKH have designed the concrete units only, the site conditions should be assessed for suitability by the scheme

designer.

Units are designed to withstand a vertical live load surcharge of 10kN/M2.

Weight of soil = 18kN/M2.

Angle of internal friction = 30° Design Life: >50 years

All fillet and butt welds to have a minimum throat thickness of 6mm & joints to be fully welded where possible. Ensure vertical flats are fully welded both sides where

Ensure vertican hats are fully wended both states where possible.

All sharp edges and burns are to be removed.

Remove all weld splatter.

Holes by punching are permitted without reaming.

Galvanising is carried out after fabrication to BS EN: ISO 1461.

Handrall Specification
A. Kee Klamp Galvanised Stze 8 Fittings.
Size 8 48.3mm OD 3.2mm Well Thickness Galvanised Medium Dury Tube to BS EN 10255.
C. 360Nm Design Load as stated in BS 6118, BS 6180, BS 6398 & BS 7818. CMI Engineering Specification for the Moter Leaviers of CSSIA.

Water Industry (CESWI). Other design loads available on request GRP/FRP Handralis also available.



ADDRESS: JKH LIMITED HAMPSTEAD AVENUE MILDENHALL IP28 7AS

PROPRIETARY & CONFIDENTIAL

1000-2130 + close coupled grating

CLIENT:		Client	
SCALE:	NTS	DRAWING DATE:	18/12/2019
HEADWALL WEIGHT:		GRATING WEIGHT:	
	2500kg		38kg
TOTAL WEIGHT:	2	538kg	
DRAWN BY:	LC	CHECKED BY:	-