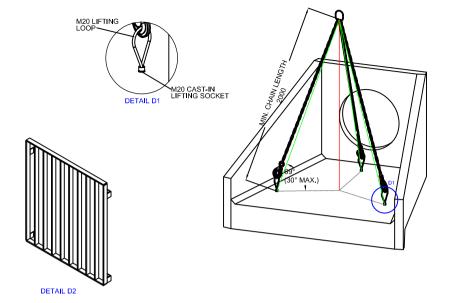
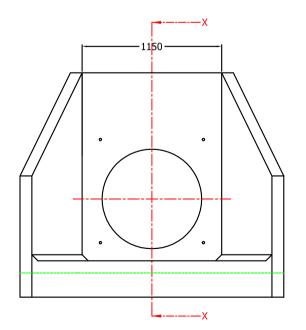
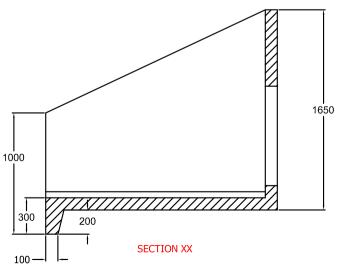
the outside diameter of the pipe at invert height required. 100 1910 M20 LIFTING SOCKETS

Opening in back wall cast to suit



Grating manufactured from 40 x 10 flat at 100mm centres spaced 50mm away from the back wall. Fully Welded and hot dip galvanised.





NOTES:

All dimensions in mm U.O.S All measurements ± 1mm

Specification Information

Opening in back wall cast to sult 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
for selected well graded granular material.

*Manual of contract documents for Highway Works: Volume (MCHW1)
specification for Highway Works, Series 800 (Nev 09).

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

Weight of concrete is based on 2.4 tonne/m3+5% is 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 Digest 1, Table F2.

A. Reinforcement to BS EN 13369.

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

A. Manufacture to BS EN 15258:2008 precast concrete products - Retaining wall elements, Factory Production Control Certificate number: 0086-CPR-650448 & BS EN 13360

Tolerances to BS EN 13369 clause 4.3.1.1 Finishing:

Mould Reference code. De-mould date.

Job reference number & unique product number.

Unit weight (kg) Design A.

Concrete design to EC2. JKH have designed the concrete units only, the site conditions should be assessed for sultability 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

Fabrication Specification
A. Manufacture IAW EN 1989-2 EXC CLASS 1
B. Material grade is to be: BS EN 10025 5275
C. Welding carried out IAW EN 1099-2 PARA 7.5.4-7.5.18
D. All fillet and butt welds to have a mismins in throat thickness
of 6mm 8 joints to be fully welded where possible.
E. Ensure vertical flats are tully welded both sides where

Ensure vertical hats are tully welload both sides where possible.

All sharp edges and burrs 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

Handrall Specification
A. Kee Klamp Galvanised Size 8 Fittings.
B. Size 6 48.3mm OD 3.2mm Wall Thickness Galvanised
Medium Duty Tube to BS EN 10255.
C. 360N/m Design Load as stated in BS 6118, BS 6180, BS
6399 & BS 7818, CMI Engineering Specification for the

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



ADDRESS: JKH LIMITED HAMPSTEAD AVENUE MILDENHALL IP28 7AS

TEL: 01638 713795 FAX: 01638 582507 EMAIL: info@jkhlid.co.uk WEBSITE: www.jkhlid.co.

PROPRIETARY & CONFIDENTIAL

The information contained in this drawing is the sole property of J.K.H.Drainage Units Lindard, duction in part or as a whole without the written permission of J.K.H.Drainage Units United is stickly prohibited.

1000-1650 + close coupled grating

CLIENT:		Client	
SCALE:	NTS	DRAWING DATE:	29/03/2019
HEADWALL WEIGHT:		GRATING WEIGHT:	
	2300kg		38kg
TOTAL WEIGHT:	2	338kg	
DRAWN BY:	LC	CHECKED BY:	ID

1000-1650 Headwall

DO NOT SCALE DRAWING