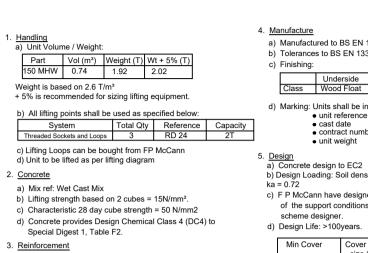
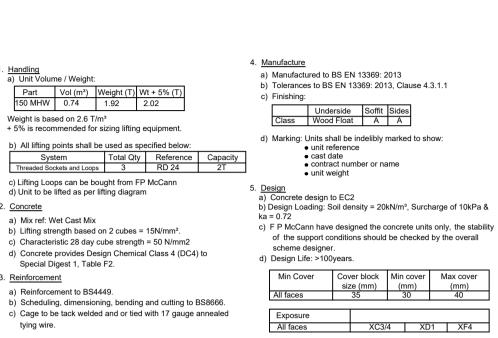


<u>PLAN</u>



a) Reinforcement to BS4449.

tying wire.



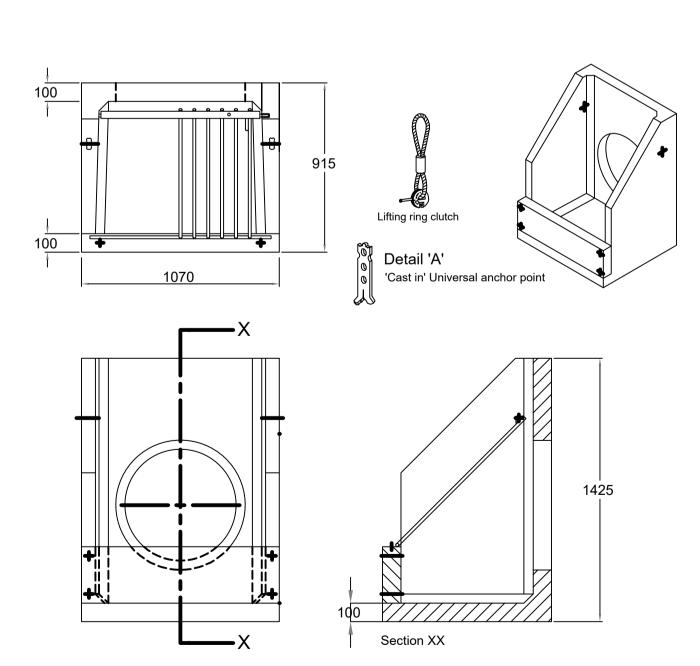
TYPICAL INSTALLATION WITH GUARD RAIL

NOTES:

1PHDST Specification Information

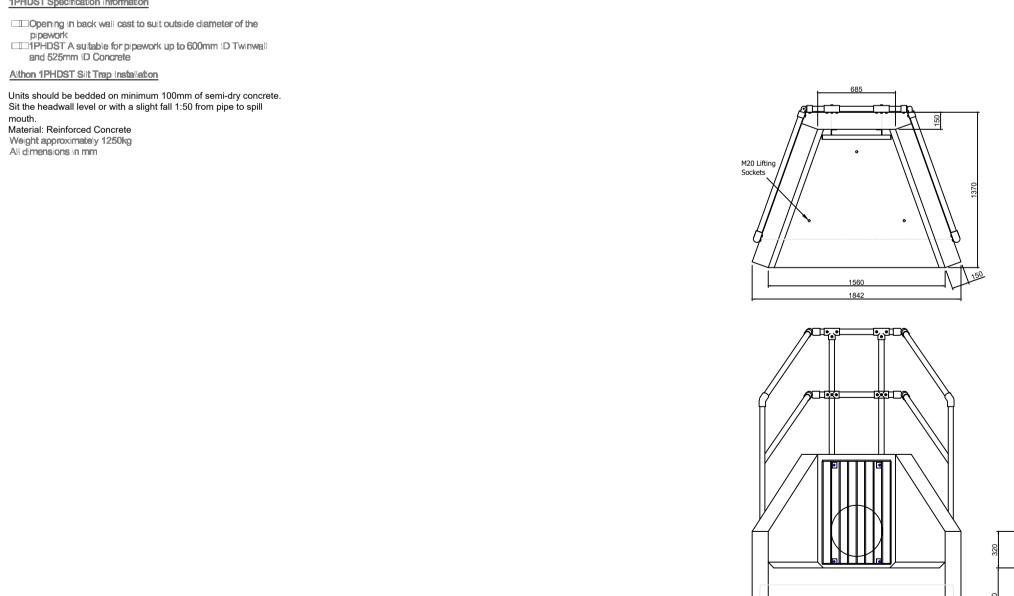
Althon 1PHDST Silt Trap installation

Material: Reinforced Concrete Weight approximately 1250kg All dimensions in mm



HEADWALL S49 AND S50

Althon Althon 1PHDST A Silt trap



Note: Isometric drawing is for reference only, details may not accurately represent actual design -please see detailed views for technical information

Althon H8CA Headwall

Close Coupled Grating

3 Sided Kee Klamp

 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 150mm of semi-dry concrete.
Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth. equipment.

B. All lifting points shall be used as specified below - Anchor points & loops - Total Qty: 3

C. Unit to be lifted as per lifting diagram Concrete
A. Mix ref: Self-compacting DC4/DS4 Mix
B. Lifting strength based on 2 cubes = 20N/mm²
C. Characteristic 28 day cube strength = 50N/mm²
D. Concrete provides Design Chemical Class 4 (DC4) to special Digest 1, Table F2. Reinforcement
A. Reinforcement to BS EN 13369
B. Scheduling, dimensioning, bending & cutting to BS8666
C. 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 13369
B. Tolerances to BS EN 13369 clause 4.3.1.1 Design
A. Concrete design to EC2
B. Althon have designed the concrete units only, the site conditions should be assessed for suitability by the scheme designer
C. Units are designed to withstand a vertical live load surcharge of 10kN/M²
D. Weight of soil = 18kN/M²
E. Angle of internal friction = 30 Deg.
F. Design Life: >100 years

Min Cover Size (mm) Size (mm)
All Faces | 55 | 50 | 60

Equipment | Cover Biock | Min Cover | Max Cover | Size (mm) | Fabrication Specification
A. Manufacture IAW EN 1090-2 EXC CLASS 1
B. Material grade is to be: BS EN 10025 S275
C. Welding carried out IAW EN 1090-2 PARA 7.5.4 - 7.5.18
D. All fillet and butt welds to have a minimum throat thickness of 6mm & joints to be fully welded where possible All mer and out wears of race a minimum motion makes of our fully welded where possible.
 E. Ensure vertical flats are fully welded both sides where possible.
 All sharp edges and burns are to be removed.
 Remove all weld splatter.
 Holes by punching are permitted with reaming.
 Galvanising is carried out after fabrication to BS EN:ISO 1461 Handrail Specification

A. Kee Klamp® Galvanised Size 8 Fittings

B. Size 8 48.3 mm OD 3.2mm Wall Thickness Galvanised Medium Duty Tube to BS EN 10255

C. 360N/m Design Load at stated in BS 8118, BS 6180, BS 6399 & BS 7818, Civil Engineering Specification for the Water Industry (CESWI) 7th Edition Clause 2.60 Handrails & Balusters & The Engineering Equipment and Materials Users' Association (EEMUA) Publication 105 7th Edition Factory Stairways, Ladders and Handrails

D. Other design loads available on request

E. GRP/FRP Handrails also available

HEADWALL S29, S37 AND S38

P2	MINOR TEXT AME	ENDMENT			JH	I JM	01/0
P1	FIRST ISSUE				JH	JM	17/01
REV							
CLIE	NT		AMENDMENT		BY	CKD	DA
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PRO		JOH	N SWIFT	HOMES LTD. RGROVE HAVEN	ВУ	CKD	DA
PRO		JOH	N SWIFT SUMMER WHITE	RGROVE HAVEN	ВУ	CKD	DA
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DRAWING NO.

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PRELIMINARY

SIZE

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