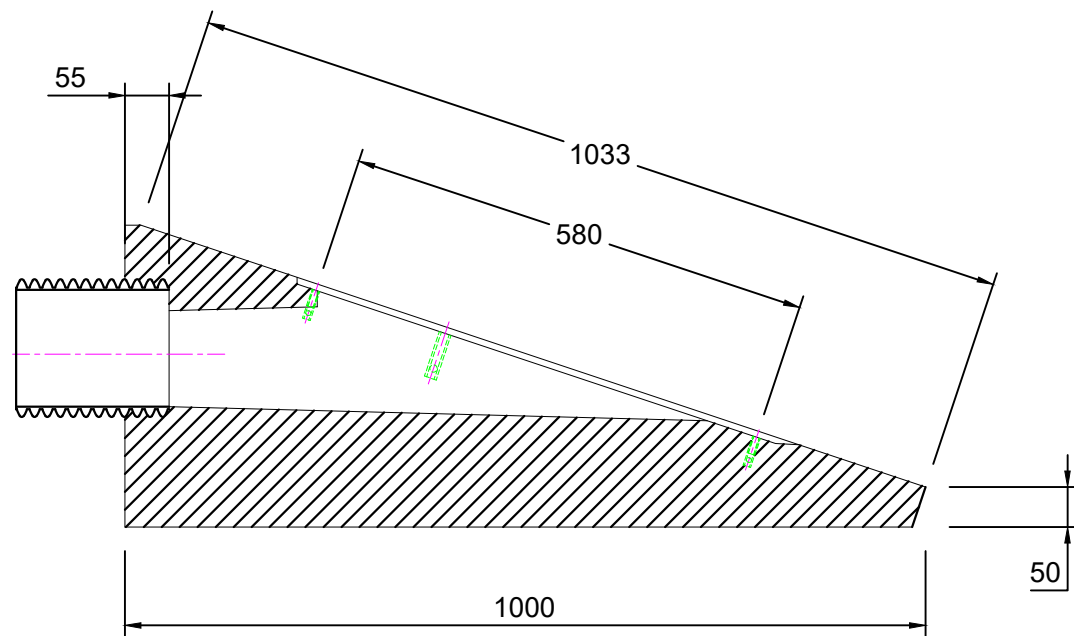
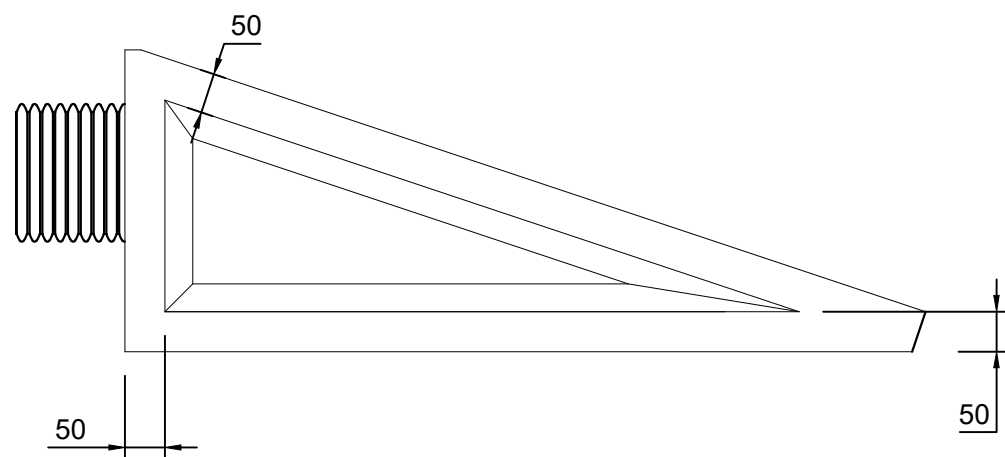
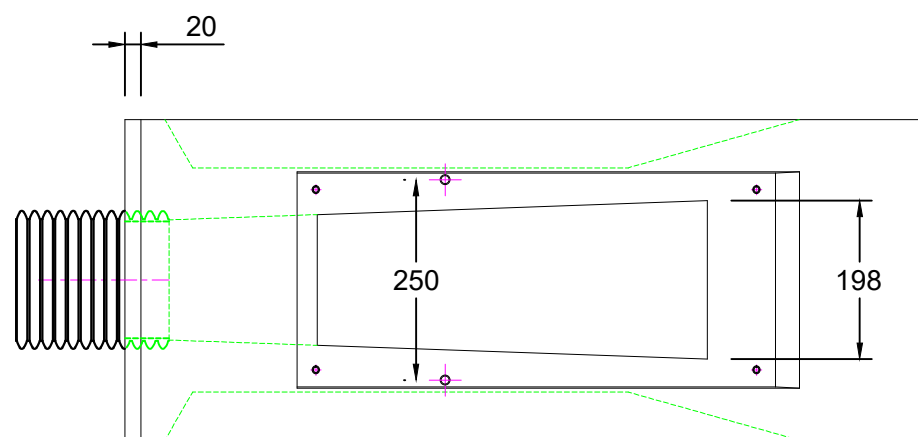




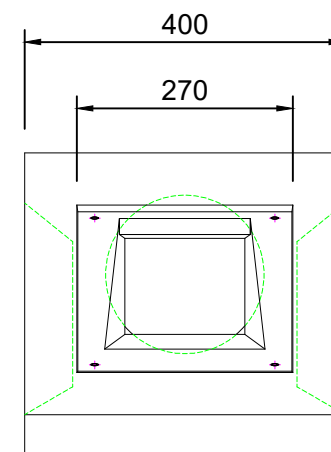
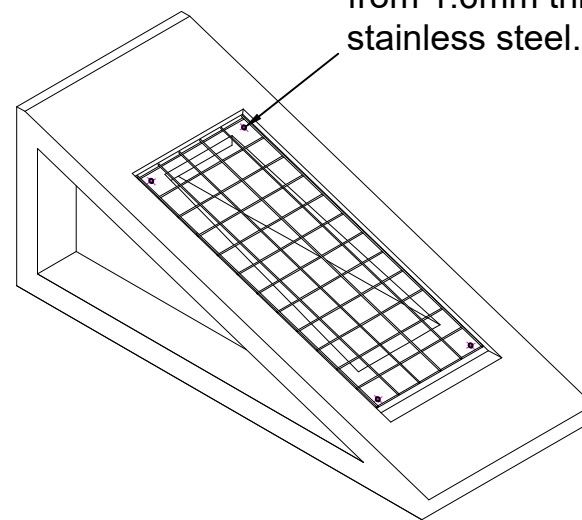
Section XX



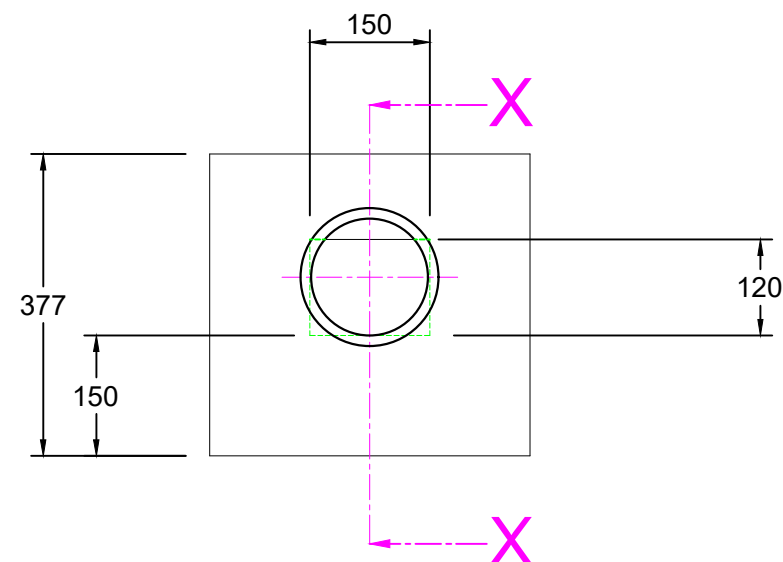
Side elevation.



Plan View.



Front elevation.



Rear elevation.

NOTES:

- All dimensions in mm
- All measurements ± 1 mm

Specification Information

- 150mm ID Twin Wall Pipe Connection Stub cast into unit during manufacture

Headwall Installation

Units should be bedded on minimum 100mm well compacted type 6 graded granular fill

Handling

- 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 - Anchor points & loops - Total Qty: 2
- Unit to be lifted as per lifting diagram

Concrete

- Mix ref: Self-compacting DC2/DS2 Mix
- Lifting strength based on 2 cubes = 20N/mm²
- Characteristic 28 day cube strength = 50N/mm²
- Concrete provides Design Chemical Class 2 (DC2) to special Digest 1, Table F2.

Reinforcement

- Durus S500 48mm Macro / Embossed Monofilament Modified PP

Manufacture

- Manufacture to BS EN 15258:2008 precast concrete products - Retaining wall elements, Factory Production Control certificate number: 0086-CPR-650448 & BS EN 13369

- Tolerances to BS EN 13369 clause 4.3.1.1

- Finishing:

Class	Top	Sides	Base	Rear of back wall
	A	A	A	Self - Levelled

- Marking: Units shall be indelibly marked to show:

- Mould reference code
- De-mould date
- Job reference number & unique product number
- Unit weight (kg)

Design

- Concrete design to EC2
- Althon have designed the concrete units only, the site conditions should be assessed for suitability by the scheme designer
- Design Life: >50 years

Min Cover	Cover Block Size (mm)	Min Cover Size (mm)	Max Cover Size (mm)
All Faces	33	28	38

Exposure Classification	Exposure induced by Carbonation	Corrosion induced by Chloride	Freeze/thaw attack	Chemical attack
All Faces	XC3/4	XD2	XF3	XA2

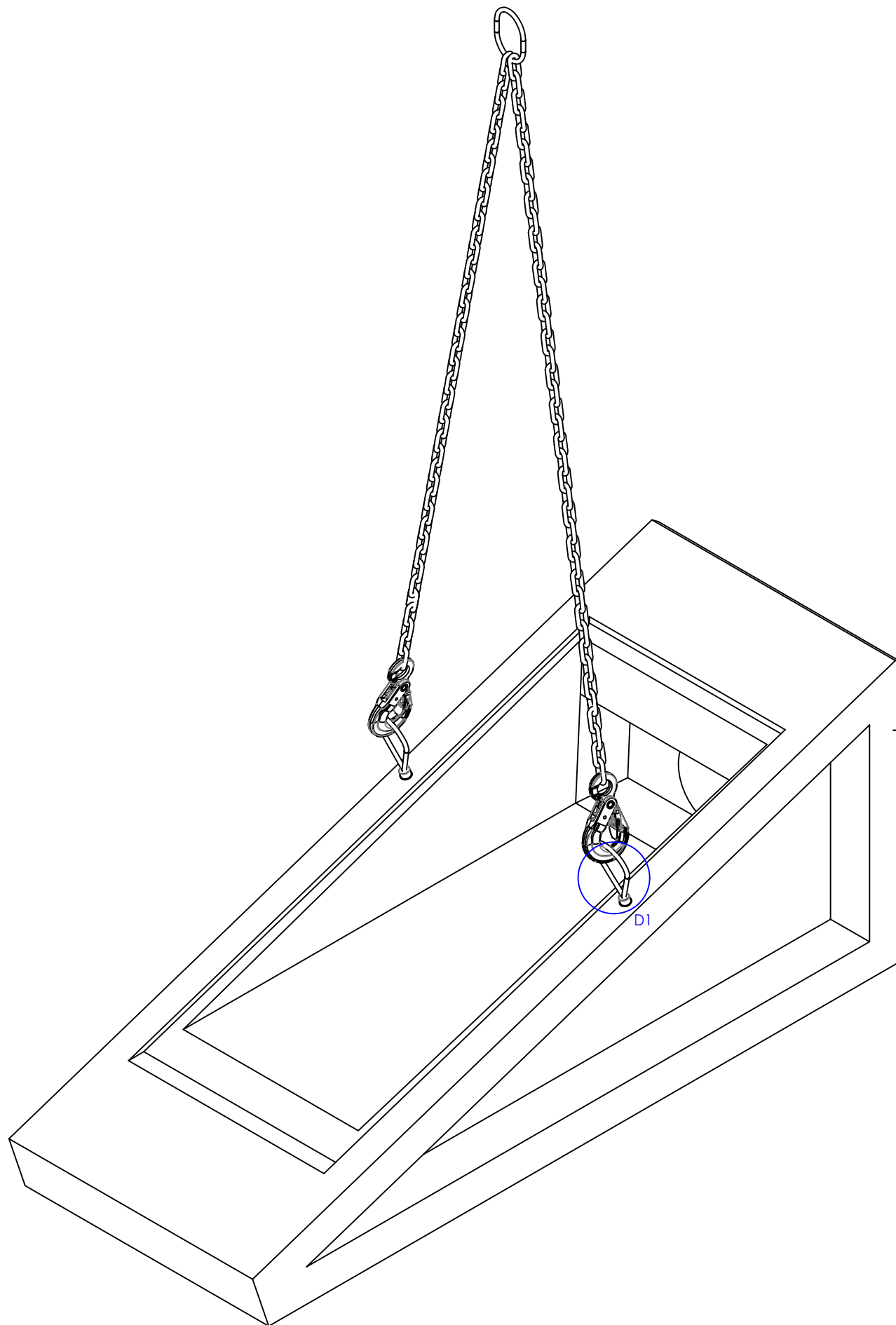
Fabrication Specification

- Manufacture IAW EN 1090-2 EXC CLASS 1
- Grade 304 Stainless Steel 1.6mm thick 40 x 40mm Mesh

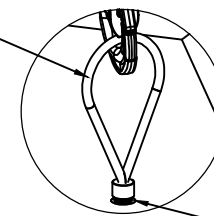
REV NO	DATE	DESCRIPTION
Althon ADDRESS: ALTHON LIMITED VULCAN ROAD SOUTH NORWICH NR6 6AF TEL: 01603 488700 FAX: 01603 488598 EMAIL: sales@althon.co.uk WEBSITE: www.althon.co.uk PROPRIETARY & CONFIDENTIAL The information contained in this drawing is the sole property of Althon Limited. Any reproduction in part or as a whole without the written permission of Althon Limited is strictly prohibited.		
DRAWING TITLE / PROJECT:		
150mm Swale Inlet Mesh Grating		
CLIENT:		
SCALE:	PAPER:	SHEET NO:
NTS	A3	01 OF 02
DATE:	14 - 02 - 19	
HEADWALL WEIGHT:	165kg	TOE WEIGHT:
N/A		
PRODUCT NAME:		
150mm Swale Inlet		
DRAWING No:		



DO NOT SCALE DRAWING



M12 LIFTING
LOOP



DETAIL D1

M12 CAST-IN
LIFTING SOCKET

RD12 Threaded Lifting Loop
Safe Working Load: 500kg each

Manufactured from zinc plated steel wire rope with a precision bright steel threaded portion. Threaded lifting loops are ideally suited to axial lifting procedures but can be used up to and including angled lifts of 30 degrees.

Use and Operation

The threaded lifting loop must be fully threaded into the lifting socket prior to commencing a lifting operation. It is imperative that the two mating surfaces are parallel to each other.

DO NOT SCALE DRAWING

NOTES:

- All dimensions in mm
- All measurements ± 1 mm

Specification Information

- 150mm ID Twin Wall Pipe Connection Stub cast into unit during manufacture

Headwall Installation

Units should be bedded on minimum 100mm well compacted type 6 graded granular fill

Handling

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- All lifting points shall be used as specified below - Anchor points & loops - Total Qty: 2
- Unit to be lifted as per lifting diagram

Concrete

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- Mould reference code
- De-mould date
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- Unit weight (kg)

Design

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Min Cover	Cover Block Size (mm)	Min Cover Size (mm)	Max Cover Size (mm)
All Faces	33	28	38

Exposure Classification	Exposure induced by Carbonation	Corrosion induced by Chloride	Freeze/thaw attack	Chemical attack
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Fabrication Specification

- Manufacture IAW EN 1090-2 EXC CLASS 1
- Grade 304 Stainless Steel 1.6mm thick 40 x 40mm Mesh

REV NO	DATE	DESCRIPTION
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DRAWING TITLE / PROJECT:

150mm Swale Inlet
Lifting Diagram

CLIENT:

SCALE:	PAPER:	SHEET NO:	DATE:
NTS	A3	02 OF 02	14 - 02 - 19

HEADWALL WEIGHT:	TOE WEIGHT:
165kg	N/A

PRODUCT NAME:
150mm Swale Inlet

DRAWING No:

