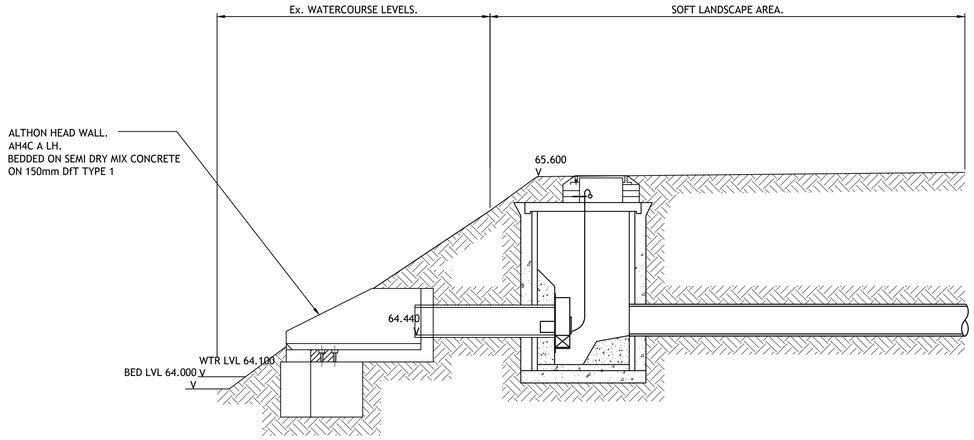
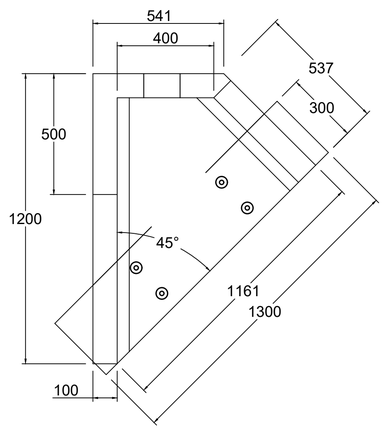
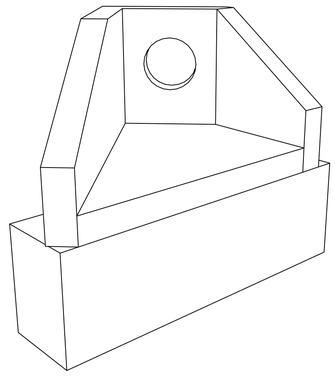
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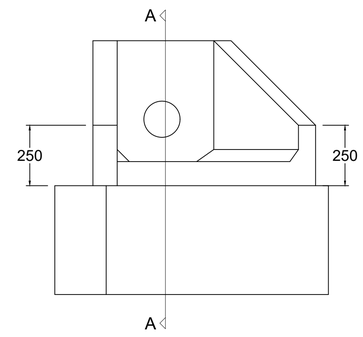


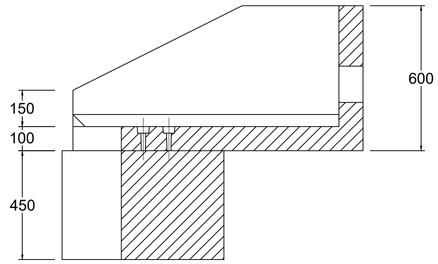
SECTION THROUGH HEADWALL AND HYDROBRAKE.

SCALE: 1:25.









Section AA

DO NOT SCALE DRAWING

NOTES:
- All dimensions in mm
- 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 150mm thick well compacted Class 6A* selected well graded granular material.
*Manual of contract documents for Highway Works: Volume 1 (MCHW1)specification for Highway Works, Series 600 (Nov.09).
Sit the headwall level or with a slight fall 1:50 from pipe to spill mouth.
Material: Reinforced concrete

Kee Klamp Specification Information
- Galvanised steel kee klamp handrail
- 1100mm high above back wall

GRP / FRP hand rails also available

REV NO:	DATE:	DESCRIPTION:

Althon

ADDRESS: ALTHON LIMITED, VULCAN ROAD SOUTH, NORWICH, NR6 6AF
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EMAIL: sales@althon.co.uk
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DRAWING TITLE:

AH4CA LH Headwall
450 x 300mm Toe

CLIENT:

SCALE:	PAPER:	DATE:
NTS	A4	31 - 07 - 17

SHEET NO:	WEIGHT:
01 OF 01	795kg

PRODUCT NAME:

AH4C A LH

DRAWING No:

Notes

1. THIS DRAWING IS THE COPYRIGHT OF TIER CONSULT LTD AND CANNOT BE REPRODUCED IN ANY FORM WITHOUT WRITTEN CONSENT FROM THE COMPANY.
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT'S, ENGINEER'S AND SPECIALIST'S DRAWINGS TOGETHER WITH THE APPROPRIATE SPECIFICATION.
3. ALL DIMENSIONS ARE IN MILLIMETRES UNO, FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN DIMENSIONS USED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK ALL DIMENSIONS ON SITE PRIOR TO CONSTRUCTION AND ANY DISCREPANCIES TO BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER IN WRITING.
4. ALL LEVELS ARE IN METRES UNO & TO OS DATUM.
5. THE WORKS SHALL BE IN ACCORDANCE WITH THE NATIONAL BUILDING SPECIFICATION.
6. THE LOCATION LINE & LEVEL OF ALL KNOWN EXISTING DRAINAGE PIPEWORK INDICATED ON THE DRAWINGS ARE APPROXIMATE AND FOR GUIDANCE PURPOSES ONLY.
7. CONNECTION TO THE EXISTING PUBLIC SEWERS WILL BE SUBJECT TO THE RELEVANT APPROVALS FROM THE STATUTORY UNDERTAKER.
8. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE THEIR EXACT LINE AND LEVEL, BY WAY OF HAND EXCAVATED TRIAL PITS, PRIOR TO THE COMMENCEMENT OF ANY EXCAVATION WORKS ON SITE. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS AND MAINTAIN THE STRUCTURAL INTEGRITY OF ALL ABOVE AND BELOW GROUND SERVICE INSTALLATIONS.
9. THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN THROUGHOUT THE DURATION OF THE CONTRACT A FULL TRAFFIC MANAGEMENT SYSTEM TO ENSURE SAFE PASSAGE OF VEHICLES/PEDESTRIANS IN THE VICINITY OF THE WORKS. ALL TRAFFIC SIGNS, SIGNALS, BARRIERS ETC. SHALL BE IN ACCORDANCE WITH CHAPTER 8 OF THE TRAFFIC SIGNS MANUAL.
10. THE CONTRACTOR SHALL MAKE ADEQUATE PROVISION FOR DEALING WITH AND DISPOSING OF GROUND/SURFACE WATER ENCOUNTERED DURING EXCAVATIONS
11. ALL SOFT / HARD PAVED AREAS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED FOLLOWING THE INSTALLATION OF ALL DRAINAGE WORKS. ALL SURFACE MARKINGS AFFECTED BY THE WORKS SHALL BE FULLY REINSTATED.
12. ALL SURPLUS EXCAVATED MATERIAL SHALL BE DISPOSED IN A DESIGNATED AREA ON SITE.
13. UPON COMPLETION OF THE WORKS THE CONTRACTOR SHALL PROVIDE AS BUILT SETTING OUT CO-ORDINATE AND LEVEL INFORMATION.
14. PIPEWORK WITH LESS THAN 750mm OF COVER IN TRAFFICKED AREAS TO BE CONCRETE ENCASED. (BEDDING CLASS Z)
15. PIPEWORK WITH MORE THAN 750mm OF COVER TO HAVE CLASS S GRANULAR BED AND SURROUND.
16. POLYPROPYLENE INSPECTION CHAMBERS OF 500Ø >1.2m DEEP TO BE FITTED WITH A REDUCED ACCESS FITTING.
17. SOIL STACKS - WHERE SOIL STACKS SERVE MULTIPLE STOREYS THE STACK REST BEND IS TO BE MINIMUM 750mm BELOW THE LOWEST BRANCH CONNECTION.
WHERE SEPARATE STACKS ARE PROVIDED FOR GROUND FLOOR, REST BENDS MAY BE 450mm MINIMUM BELOW THE LOWEST CONNECTION.
18. SVP CONNECTIONS TO BE 100mm DIA UNO.
19. ALL FO AND RWP LOCATIONS TO BE TO BE COMPLETE WITH A LOW LEVEL ACCESS PLATE FOR RODDING.
20. WHERE PROPOSED DRAINAGE PIPEWORK RUNS ARE IN CLOSE PROXIMITY TO THE NEW FOUNDATIONS, THE CONTRACTOR SHALL ALLOW FOR EXTENDING THE DEPTH OF NEW FOUNDATIONS IN LEAN MIX CONCRETE DOWN TO THE PROPOSED PIPE BEDDING LEVEL.
21. THE HYDRAULIC DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH 'CIRIA REPORT C753 THE SuDS MANUAL' AND THE HYDRAULIC DESIGN OF PIPELINES AND OTHER CONDUITS HAS BEEN CARRIED OUT IN ACCORDANCE WITH 'BS EN 16933-2'.

Rev	Date	By	Description	Chk	App
P2	08.03.2024	CCF	Watercourse levels updated to survey	JH	PJB
P1	08.12.2023	CCF	Preliminary Issue	JH	PJB

Status
PRELIMINARY

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Client

Project
ASHBROOK MOSS NOOK.

Title
SECTION THROUGH HEADWALL AND HYDROBRAKE.

Scale	Drawn	Revision
1:50@A1 UNO.	C.C.FITTON	P2
Date	Checked	
08.12.2023	W.N.LLOYD	

Drawing No :
T_21_2463-CIV-SK-02

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