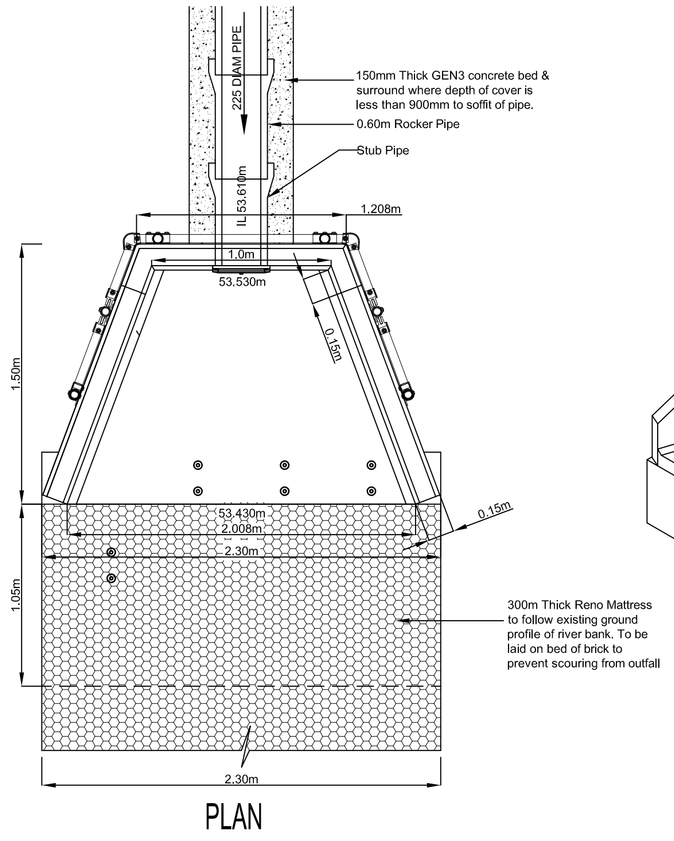
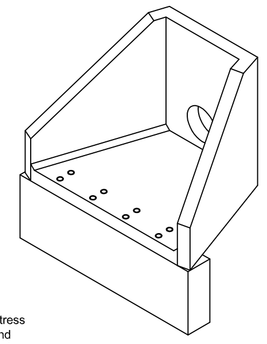
YW REF: H-3-263-611



PLAN



Althon ALTHON SFA10D HEADWALL + 700MM TOE + 225MM DUCTILE IRON FLAP VALVE + 3 SIDED KEE KLAMP

SFA10D Specification Information

- Opening in back wall cast to suit outside diameter of the pipework
- Invert level of pipe can be set to your specification
- There is a 50mm fall from the back wall of the headwall to the front of the spillway
- SFA10D suitable for pipework up to 450mm ID Plastic or C'ware and 450mm ID PCC with Sewers for Adoption compliant grating, or up to 600mm ID Plastic or C'ware and 600mm ID PCC without Sewers for Adoption compliant grating

Althon SFA10D Headwall Installation

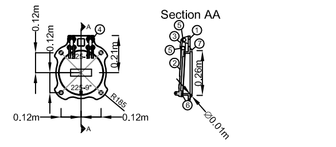
Units should be bedded on minimum 100mm of semi-dry concrete.
For full detailed installation instructions contact Althon Ltd,
01603 488700
Material: Reinforced concrete
Weight approximately 2630kg + 1240kg Toe
All dimensions in mm

Kee Klamp Specification Information

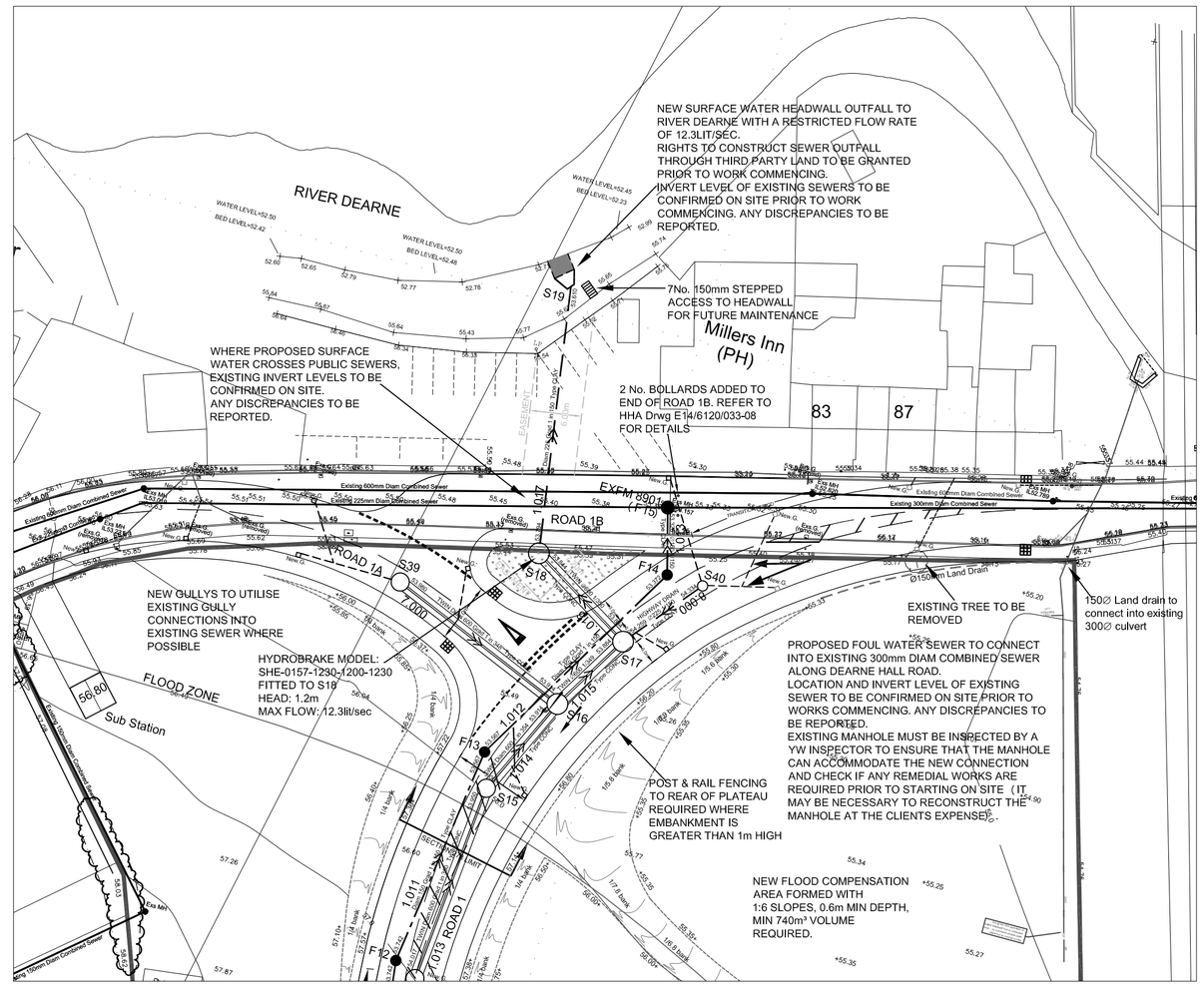
- Galvanised steel kee klamp handrail
- 1100mm high above back wall
- GRP / FRP hand rails also available

Althon 225mm Resilient Flap Valve Mounting Specification Information

The O ring item 7 is for mounting the flap valve onto a pipe flange or high quality flat surface and is supplied as part of the fixing kit which needs to be ordered separately.
For standard wall mounting the flap valve should be grouted in the normal way.



225MM RESILIENT FLAP VALVE				
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	225FRAMERESASME	225mm Frame casting	Ductile iron casting
2	1	225RESDOOR	225mm Door casting	Ductile iron casting
3	2	150300BLINK	225mm Link	Ductile iron casting
4	4	225PIN	225mm Hinge pin	Stainless steel - grade 316
5	8	10STAR	10mm Star washer	Stainless steel - grade 316
6	1	225RESFACING	225mm Resilient face	Resilient epoxy material
7	1	270X12ORING	270x12 O Ring	Neoprene foam



PLAN Scale 1:500

FRONT ELEVATION

SECTION

RISK ASSESSMENT: SIGNIFICANT RISKS THAT CANNOT BE DESIGNED OUT		
RISK	LEVEL OF RISK (H/M)	SUGGESTED ACTION
DEEP EXCAVATIONS ASSOCIATED WITH NEW DRAINAGE WORKS	HIGH	ENSURE ALL EXCAVATIONS HAVE ADEQUATE TRENCH SUPPORTS
HANDLING LARGE DIAMETER MANHOLE RINGS AND CIRCULAR PIPES	HIGH	USE CORRECT LIFTING EQUIPMENT AND ENSURE OPERATIVES WEAR APPROPRIATE PROTECTIVE CLOTHING/HARD HATS/CORRECT PPE.
CONTACT WITH SEWAGE	MED	OPERATIVES TO USE CORRECT BREATHING EQUIPMENT/CORRECT PPE
NOISE	MED	OPERATIVES TO USE CORRECT EAR PROTECTION/CORRECT PPE
DRAINAGE EXCAVATIONS ADJACENT EXISTING BOUNDARY STRUCTURES	HIGH	ENSURE CORRECT SUPPORTS ARE PROVIDED TO TRENCHES AND BUILDINGS WHERE REQUIRED
DRAINAGE EXCAVATION IN PUBLIC HIGHWAY	HIGH	ENSURE CORRECT USE OF TRENCH SUPPORTS IN EXCAVATION AND SCREEN BARRIERS TO PROTECT MEMBERS OF THE PUBLIC.
MAINTAIN ACCESS TO ADJACENT PROPERTIES AND OCCUPIERS	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE THE PUBLIC AWAY FROM THE WORKS
DRAINAGE EXCAVATIONS NEAR TO EXISTING SERVICES	HIGH	ENSURE WORKS ARE PROTECTED WITH BARRIERS AND SIGNS TO GUIDE MEMBERS OF THE PUBLIC AWAY FROM THE AREA.
WORKING IN CONFINED SPACES, WORKING IN DRAINS AND MANHOLES	HIGH	CONFINED SPACES WORKING TRAINED PERSONNEL ONLY TO CARRY OUT WORKS UNDER A PERMIT TO WORK SCHEME IMPLEMENTED BY CONTRACTOR. GAS TESTING TO TAKE PLACE BEFORE ALL ENTRIES TO CONFINED SPACES.
WORKING IN HIGHWAYS / RISKS FROM VEHICLE AND PLANT	HIGH	ALL WORKS TO BE SIGNED AND FENCED FROM NORMAL VEHICULAR TRAFFIC. ALL WORKERS TO WEAR HIGH VISIBILITY CLOTHING. ALL PLANT TO HAVE VISUAL AND AUDIBLE WARNING SYSTEMS.
ROAD AND DRAINAGE CONSTRUCTION	HIGH	ALL EXCAVATIONS TO BE ADEQUATELY FENCED OFF AND SUPPORTED DURING CONSTRUCTION. ALL OPERATIVES TO BE TRAINED IN CORRECT METHODS OF LIFTING AND WORK IN ACCORDANCE WITH LOLER REGS
IT IS ASSUMED THAT WORKS ASSOCIATED WITH THIS DESIGN WILL BE UNDERTAKEN BY A PERSON OR PERSONS WHO ARE COMPETANT AND HAVE THE REQUIRED LEVEL OF EXPERIENCE AND EXPERTISE		

Rev D Handrail to wingwalls amended to suit YW comments	28.04.17 HH
Rev C Flap valve amended, Stepped access added and Reno Matress extended to suit YW requirements.	28.04.17 HH
Rev B Headwall amended to Althon Precast concrete spec to suit clients instruction	02.03.17 HH
Rev A Toe extended and concrete class amended to suit YW comments	16.01.17 HH

Haigh Huddleston & Associates

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Client
BARRATT DAVID WILSON HOMES

Project
DEARNE HALL ROAD, LOW BARUGH

Detail
SURFACE WATER HEADWALL OUTFALL DETAILS

PRELIMINARY ISSUE

Dwn	Ckkd	Date	Scale	Dwg No.
HH		Dec'16	1:25 @A1	E14/6120/017D