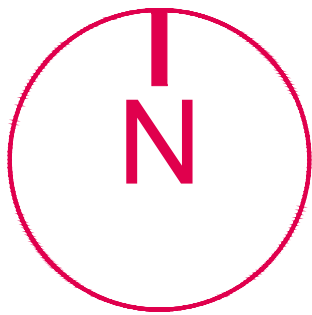




COVER AND FRAME TO BE IN ACCORDANCE WITH BS EN 124 WITH 600X600MM CLEAR OPENING. 1:3 CEMENT MORTAR BED AND HAUNCH TO COVER AND FRAME SAT ON CLASS B ENGINEERING BRICKWORK (MIN 2 COURSES MAX 4 COURSES).

HEAVY DUTY REINFORCED PRECAST SRC CONCRETE COVER SLAB TO BS 5911 BEDDED ON MORTAR, PROPRIETARY BITUMEN, OR RESIN MASTIC SEALANT. SLAB MUST BE KITEMARKED.

STEEL ROPE TO BY-PASS DOOR RESTRAINED WITH U BOLT

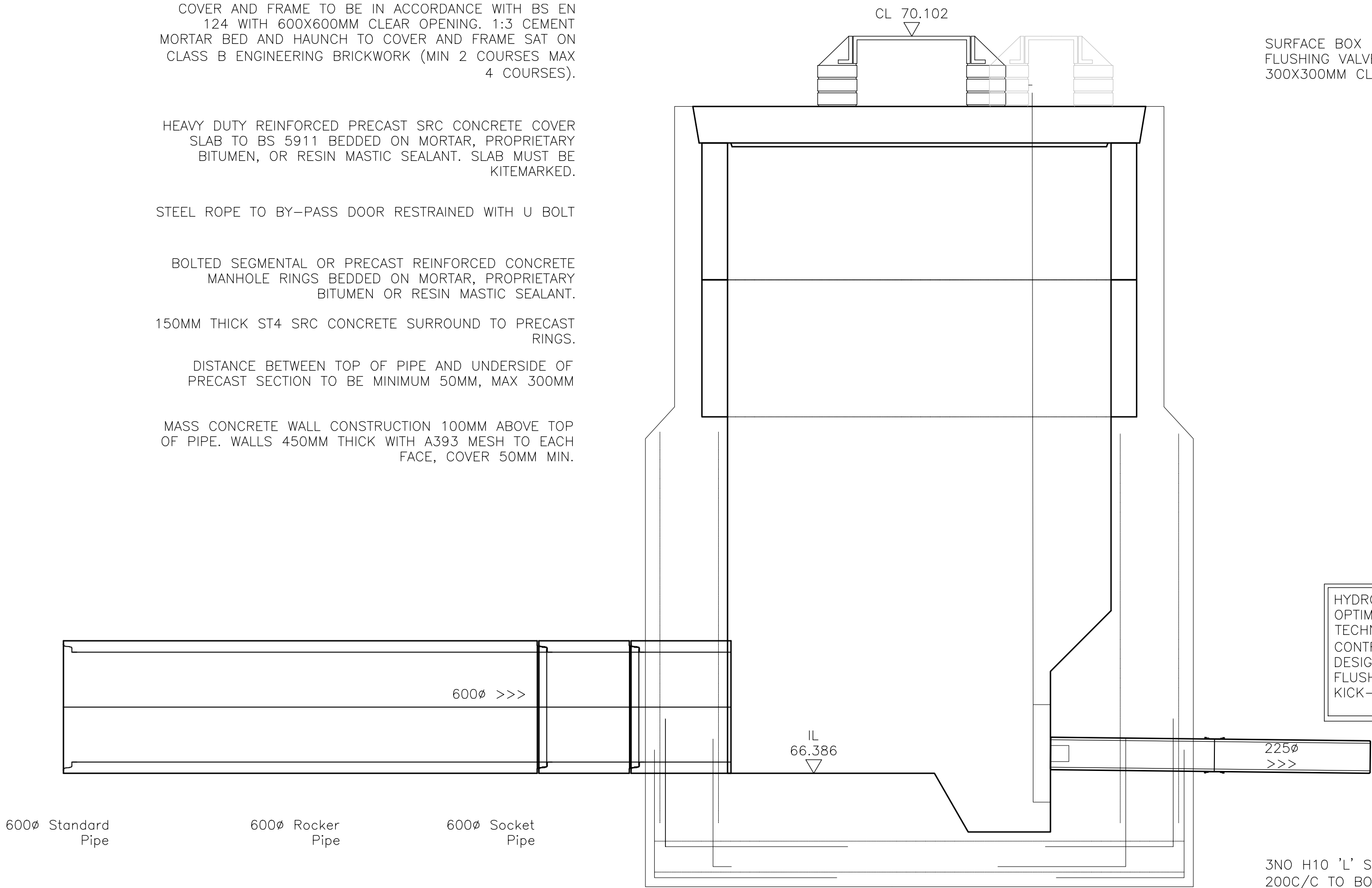
BOLTED SEGMENTAL OR PRECAST REINFORCED CONCRETE MANHOLE RINGS BEDDED ON MORTAR, PROPRIETARY BITUMEN OR RESIN MASTIC SEALANT.

150MM THICK ST4 SRC CONCRETE SURROUND TO PRECAST RINGS.

DISTANCE BETWEEN TOP OF PIPE AND UNDERSIDE OF PRECAST SECTION TO BE MINIMUM 50MM, MAX 300MM

MASS CONCRETE WALL CONSTRUCTION 100MM ABOVE TOP OF PIPE. WALLS 450MM THICK WITH A393 MESH TO EACH FACE, COVER 50MM MIN.

SURFACE BOX FOR OPERATING FLUSHING VALVE TO HAVE MINIMUM 300X300MM CLEAR OPENING.

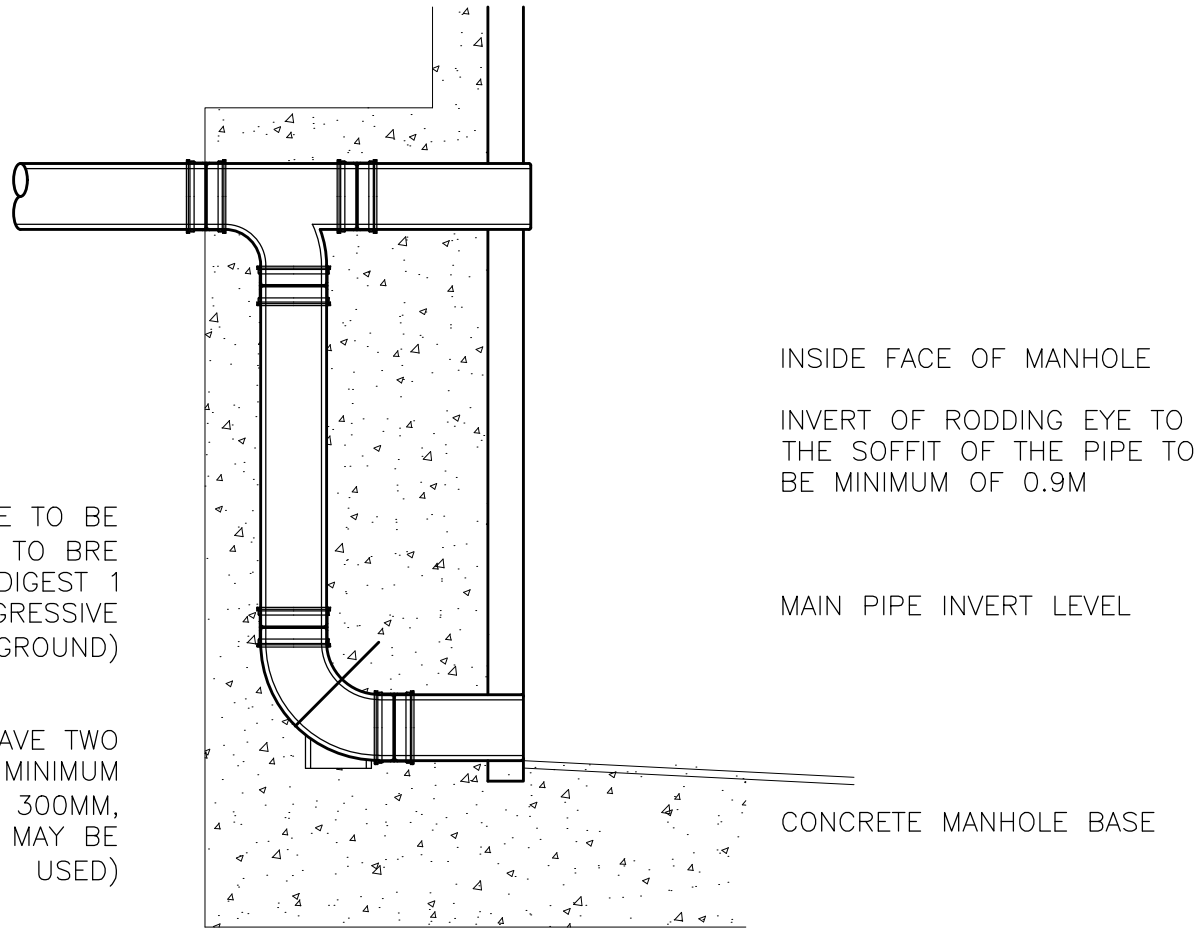


HYDRO INTERNATIONAL HYDRO-BRAKE		
OPTIMUM SHE-0087-5000-2500-5000		
TECHNICAL SPECIFICATION		
CONTROL POINTHEAD (M)	FLOW (L/S)	
DESIGN POINT	2.300	20.00
FLUSH-FLO	0.670	19.977
KICK-FLO	1.396	15.760

TUMBLING BAY JUNCTION (ACTUAL DETAILS WILL BE DEPENDENT ON THE TYPE OF PIPE USED)

IN-SITU CONCRETE TO BE GEN3 (DESIGNED TO BRE SPECIAL DIGEST 1 CONCRETE IN AGGRESSIVE GROUND)

REST BEND TO HAVE TWO 45° BENDS 225MM MINIMUM DIAMETER (WHERE 300MM, A 300MM 90° BEND MAY BE USED)



TYPICAL EXTERNAL BACKDROP DETAIL
(Scale 1:20)

3NO H10 'L' STARTER BARS 700MM LEG LENGTH AT 200C/C TO BOTH FACES OF WALL CAST INTO BASE SLAB TO TIE INTO WALL REINFORCEMENT.

BENCHING FORMED WITH ST4 SRC CONCRETE WITH HIGH STRENGTH TOPPING MIN 40MM THICK WITH A SMOOTH AND NEAT FINISH

300MM THICK CAST IN-SITU REINFORCED CONCRETE BASE SLAB FORMED IN SULPHATE RESISTANT RC40 CONCRETE WITH TWO LAYERS OF A393 MESH IN BOTH TOP AND BOTTOM FACES. MIN COVER 50MM ON 50MM CONCRETE BLINDING

HYDRO INTERNATIONAL HYDRO BRAKE WITH PIVOTING BY-PASS DOOR. PIVOTING BY-PASS DOOR OPERATING STEEL ROPE AND PULL HANDLE TO BE FITTED TO BRICKWORK BELLOW MANHOLE ACCESS.

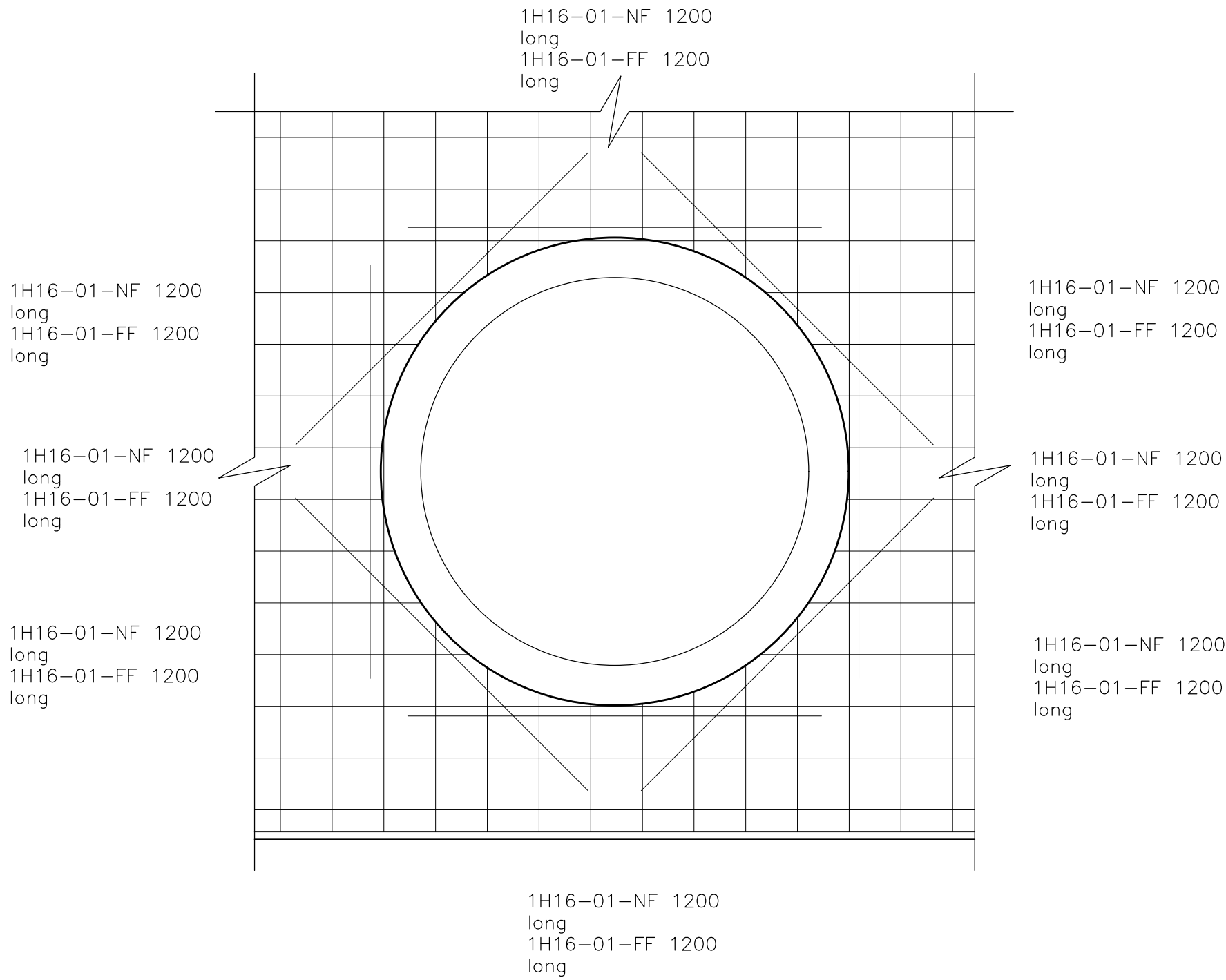
HAM BAKER ADAMS DISC FLUSHING VALVE TO SUIT 225ø PIPE TO BE INSTALLED AND FIXED FULL IN ACCORDANCE WITH MANUFACTURES SPECIFICATION. THE LIFTING BAR IS TO BE FIXED TO CONCRETE COVER SLAB, THE HANDLE SHOULD PREVENT THE CLOSURE OF THE COVER WHEN VALVE IS IN THE OPEN POSITION.

Section A-A
NTS

HYDRO INTERNATIONAL HYDRO BRAKE CTL-SHE-0180-2000-2300-2000 WITH PIVOTING BY-PASS DOOR. PIVOTING BY-PASS DOOR OPERATING STEEL ROPE WITH PULL HANDLE TO BE FITTED TO BRICKWORK BELLOW MANHOLE ACCESS. FLOW CONTROL TO BE FITTED TO MANHOLE FULLY IN ACCORDANCE WITH MANUFACTURERS SPECIFICATION.

SURFACE BOX FOR OPERATING FLUSHING VALVE TO HAVE MINIMUM 300X300MM CLEAR OPENING.

HAM BAKER ADAMS DISC FLUSHING VALVE TO SUIT 150ø PIPE TO BE INSTALLED AND FIXED FULL IN ACCORDANCE WITH MANUFACTURES SPECIFICATION. THE LIFTING BAR IS TO BE FIXED TO CONCRETE COVER SLAB, THE HANDLE SHOULD PREVENT THE CLOSURE OF THE COVER WHEN VALVE IS IN THE OPEN POSITION.



SECTION THROUGH REINFORCEMENT TO 600ø PIPE
NTS

REV.	AMENDMENTS	DATE
P01	INITIAL ISSUE	19/06

NOTES

- THIS DRAWING SHOWS THE PRELIMINARY LAYOUT ONLY (NOT TO BE USED FOR CONSTRUCTION) AND IS SUBJECT TO DETAILED DESIGN, FULL CDM COMPLIANCE, STATUTORY UNDERTAKERS SEARCH/DIVERSION REQUIREMENTS, HIGHWAY DRAINAGE PROVISION, LAND OWNERSHIP AND LOCAL AUTHORITY APPROVAL.
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STAR RADCLIFFE ACADEMY
SPRING LANE BURY

DRAINAGE DETAILS

SCALE: NTS @A1

DATE: JUNE 2024

DRAWING NO: FS1013-VS-XX-XX-D-H-0215

STATUS: S3 REVISION: P01

MANHOLE MH8 BASE PLAN AND SECTION
NTS