

NOTES

DO NOT SCALE OFF THIS DRAWING
IF IN DOUBT - ASK

B05/03/24DRAWING CONFIRMED AS AS-BUILT LEVEL.

A16/11/22REVISED AS PER 12490-201 REV B

-04/07/22ISSUED TO UU FOR S104 APPROVAL

REV.DATEDESCRIPTION

CLIENT

GREAT PLACES
BUTTRESS ARCHITECTS

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TITLE

DOWNLEY DRIVE
ANCOATS, MANCHESTER

MANHOLE DETAIL
FLOW CONTROL CHAMBER

DrawnA.MULLIGAN

CheckedD.MIDDLETON

DateJULY 2022

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Scale

1:20 @ A1

Drawing No.

19.B.12490/207

B

6000 from S1.005

150mm Concrete surround

1200mm x 675mm Double Opening Cover 1200mm x 675mm Hole in Cover Slab

Double steps at 250/300 centres vertically (V.F.A)

Surface box for bypass door steel rope 150mm x 150mm

Hydro-Brake - Flow: 5l/s Design Head: 1.50m
1 no. Hydro-Brake® Flow Control
Supplied by Hydro International PLC
Ref: CTL-SHE-0098-5000-1500-5000

150mm Concrete surround

1500 Bypass

225Ø to S1.006

Penstock 1 No. Rising Spindle Penstock with separate opening in cover slab
Refer to manufacturers details for fitting

Surface box for Bypass Penstock 150mm x 150mm

600Ø from S102

IL 45.54

IL 45.54

0.210

0.413

0.380m

0.105

0.210

0.595

2.100m

1.600m

48.27m

48.60m

1200mm x 675mm cover bedded on mortar

Surface box for bypass door steel rope

Pull Handle
Eye Bracket for Handle

Pre-cast concrete seating rings (min of 1, max of 3)

2 x 600mm height 2100mmØ pre-cast concrete chamber rings. Chamber to be surrounded in mass in situ concrete. (Refer to notes 2 & 11 on UU Standard detail: STND/19/005)

All in situ concrete to be C20 with sulphate resisting cement 150mm thick

Chamber construction below depth of pre cast rings to be constructed in mass in situ concrete. (Refer to notes 2 & 11 on UU Standard detail: STND/19/005)

225mm Sewer S1.006 and 150mm Bypass to MH C1 IL 45.54mm

HydroBrake Flow 5l/s - Design Head: 1.50m
Sump to HydroBrake manufacturers specification, see HB design drawing.

CTL-SHE-0098-5000-1500-5000 HydroBrake unit, sump dimensions shown as of Hydro International design drawing, however reference should be made to official drawing at all times for completeness.

Manhole Number	Cover Level	Connections	Pipe			Manhole Size	Types	
Coordinates	Depth To Soffit		Code	Inverts	Diams		Manhole Type & Features	Cover Type, Size & Opening Size
S106	48.600		1	S 1.005	45.54	600	Type 1 with Double Steps	1200x675 Eccentric Opening
E. 385387.706 N. 398754.525	2.460		0	S 1.006	45.54	225		1200x675 Eccentric D400 Double Cover

AS BUILT ISSUE