

NOMINAL SIZE	EFFECTIVE LENGTH (mm)
150 TO 600	600
675 TO 675	1000
825 AND ABOVE	1250

Diagram illustrating the installation of a 2250mm diameter manhole assembly, showing various components and their installation details:

- JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF MANHOLE TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT PIPE MOVEMENT**
- FIXING LUGS WITH NEOPRENE RUBBER GASKET & MASONRY STUD ANCHOR FIXING BOLTS**
- HYDRO-BRAKE FLOW CONTROL FITTED WITH PIVOTING BYPASS DOOR**
- PENSTOCK ACTUATOR EXTENDED WITH DEDICATED COVER TO ALLOW GROUND LEVEL OPERATION**
- EXPRESS VALVE SERVICE, CAST IRON PENSTOCK SPINDLE PENSTOCK FIXED TO CAST INSITU MOUNTING BLOCK FOR USE WITH 225mm DIAMETER BORE PENSTOCK OPERATED FROM ABOVE BY WAY OF OPERATING HANDLE. SPINDLE EXTENDED TO BISCUIT LEVEL TO ALLOW OPERATION WITHOUT ENTRY TO MANHOLE.**
- MAXIMUM DISTANCE 750mm OF FIRST PIPE JOINT FROM CHAMBER SURROUND**

CONTROL POINT	HEAD	FLOW (l/s)
PRIMARY DESIGN	1.500	23.100
FLUSH FLO	0.454	22.992
KICK FLO	0.993	18.942
MEAN FLOW		19.840

MINIMUM 2 COURSES / MAXIMUM 4 COURSES  
CLASS B ENGINEERING BRICKS(SOLID) OR PCC  
COVER AND FRAME SEATING RING REDUCING  
CLEAR OPENING TO 600mm x 600mm

SECTION A - A

## SECTION B - B

15. ALL POLYPROPYLENE INSPECTION CHAMBERS SHALL BE IN ACCORDANCE WITH BS7158.

CLIENT \_\_\_\_\_

NIGEL KAY HOMES LTD.

PROJECT

DALZELL STREET  
MOOR ROW

DRAWING TITLE

HYDROBRAKE DETAIL-S36



SCALE	BY	CHECKED	DATE
NTS	JH	JM	JUNE '24

DRAWING NO.  
24-011-235

STATUS  PRELIMINARY	REV	P1
	SIZE	A0