

Cover and frame to BS EN124 having 600mm minimum clear opening.

Mortar haunching to MH cover and frame

Max of 675mm to first rung

Reinforced concrete cover slab bedded with mortar, proprietary bitumen or resin mastic sealant

Single step rungs to BS 1247:1990

Conc. surround 150mm (GEN 3)

High strength concrete topping to be brought up to a dense smooth face neatly shaped and finished to all branch connections (minimum thickness 20mm)

Construction joint

Inverts formed generally using channel pieces

Concrete base (GEN 3)

Min 1 course of Class B Engineering Bricks or precast concrete cover frame seating rings

300

Chamber height not less than 900mm

Precast concrete chamber sections to BS EN 1917:2002 jointed with mortar, elastomeric or plasticomeric seals

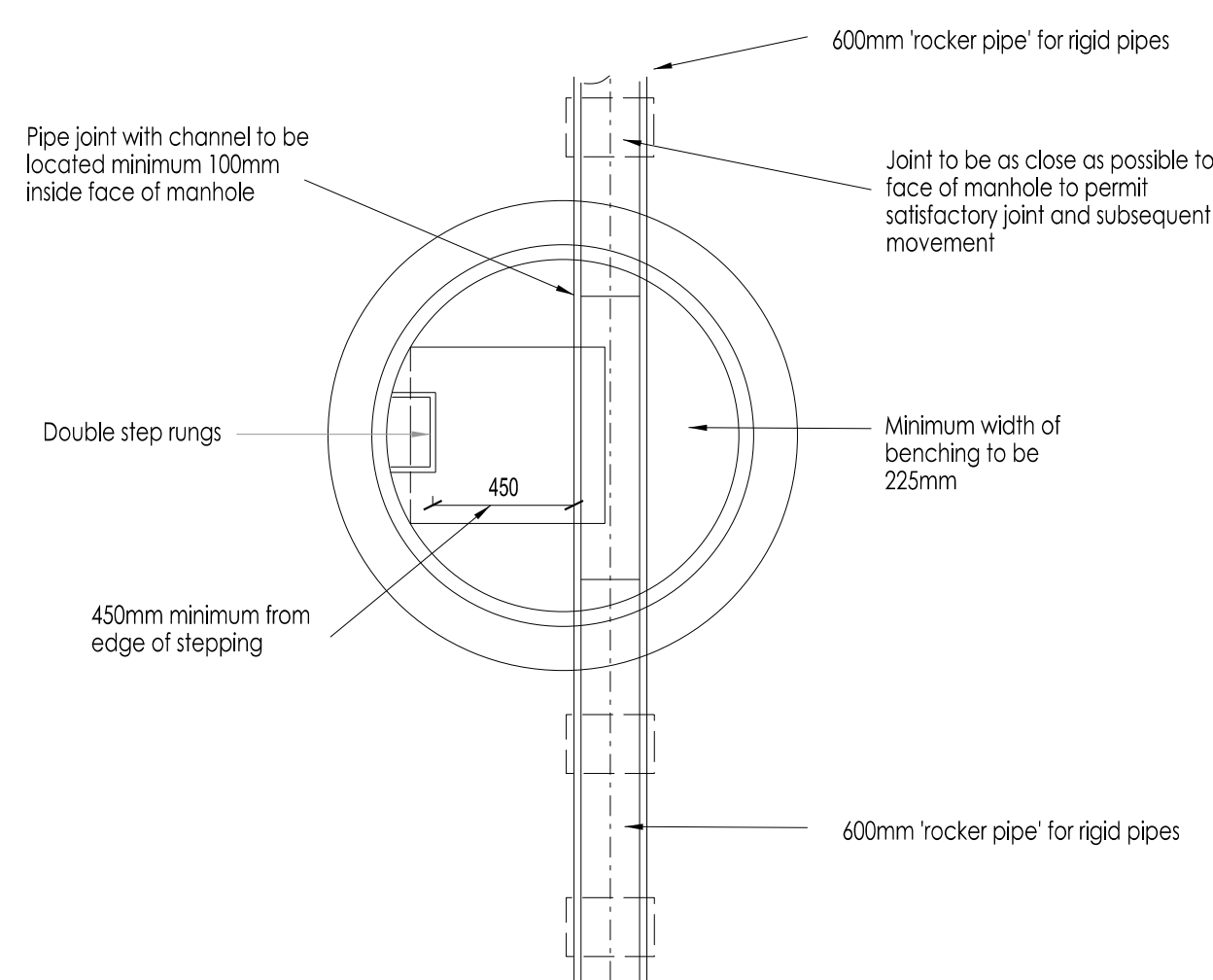
Benching slope to be 1 in 10 to 1 in 30

Lifting eyes in concrete rings to be pointed up.

Distance between top of pipe and underside of PC chamber to be min. 50mm, max. 300mm

The bottom chamber section to be built into base concrete min 75mm

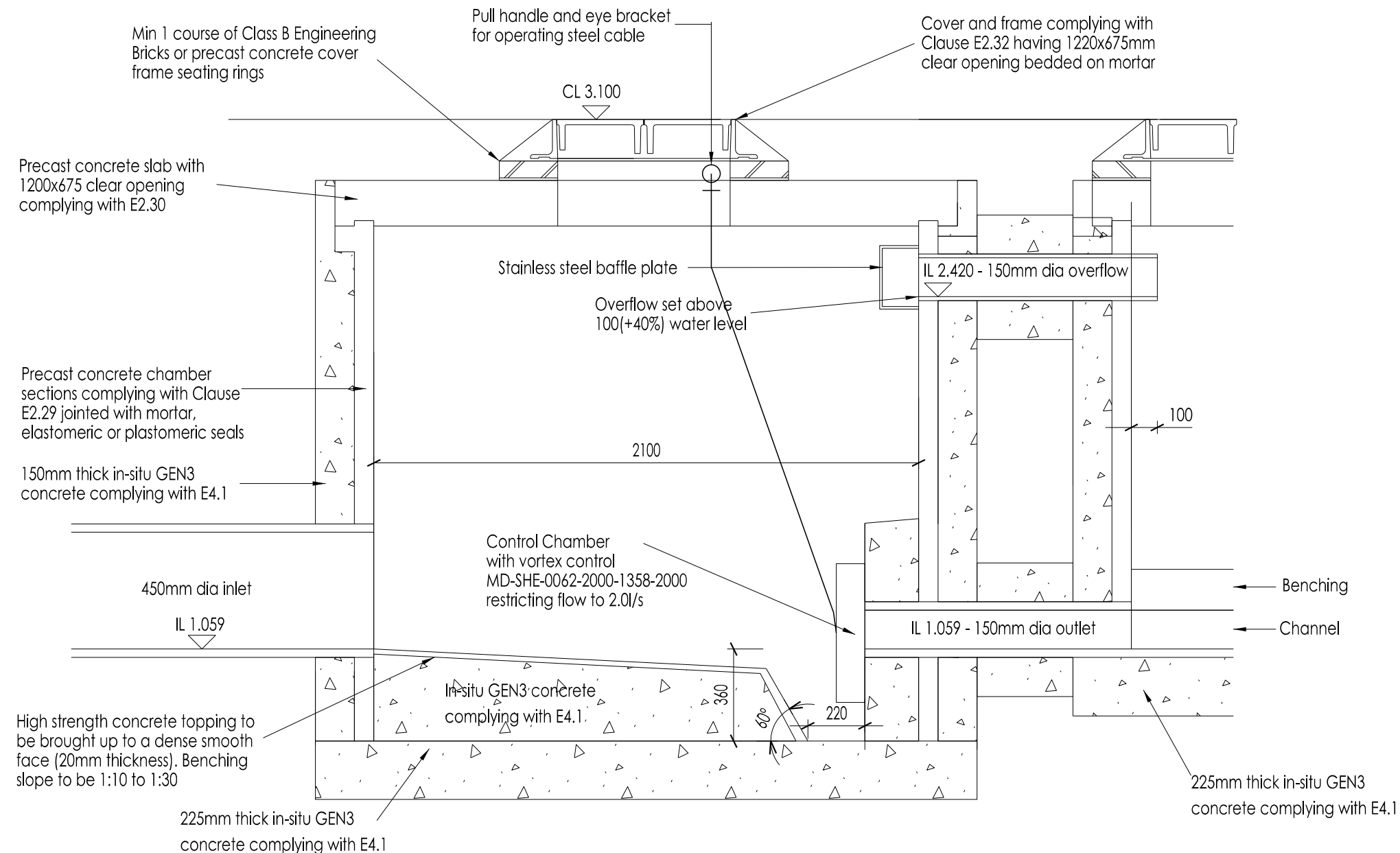
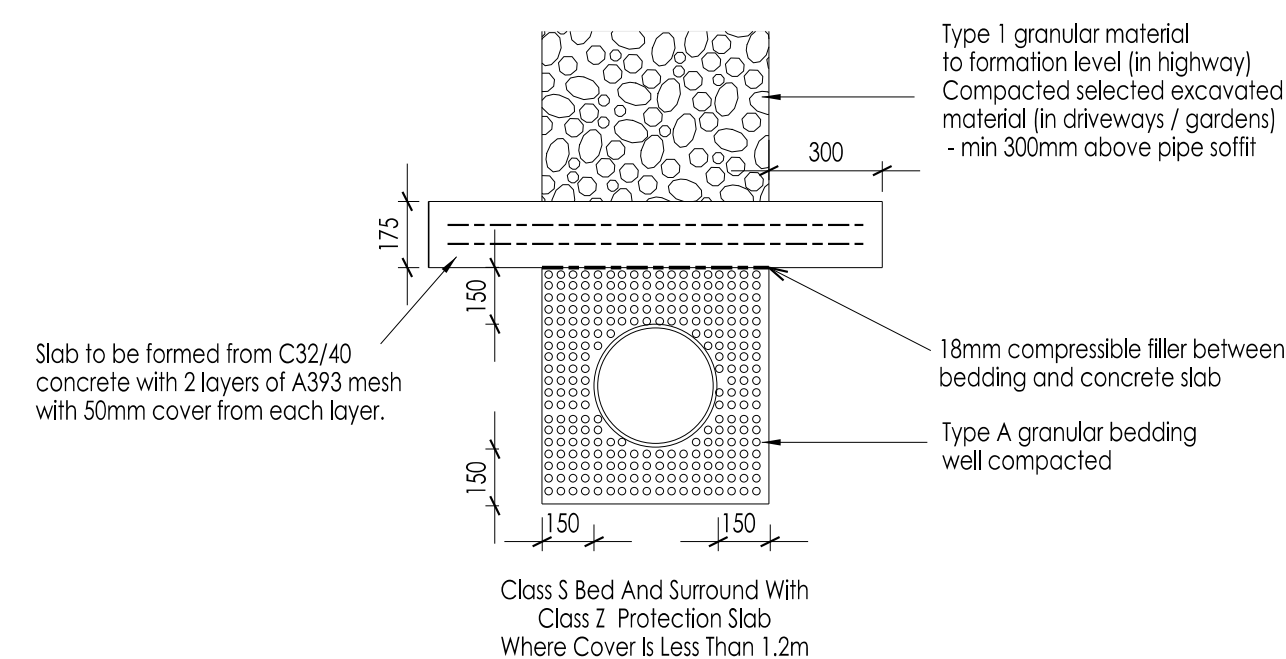
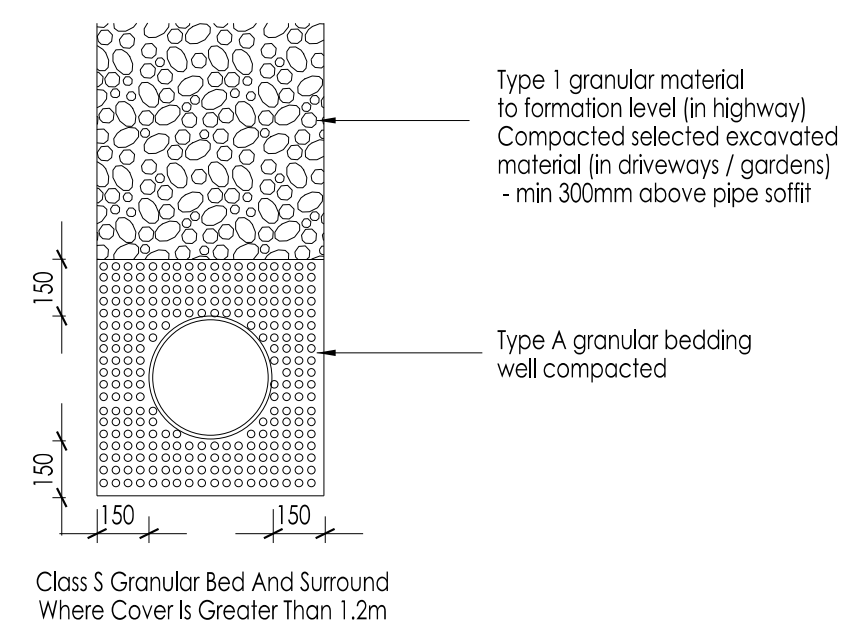
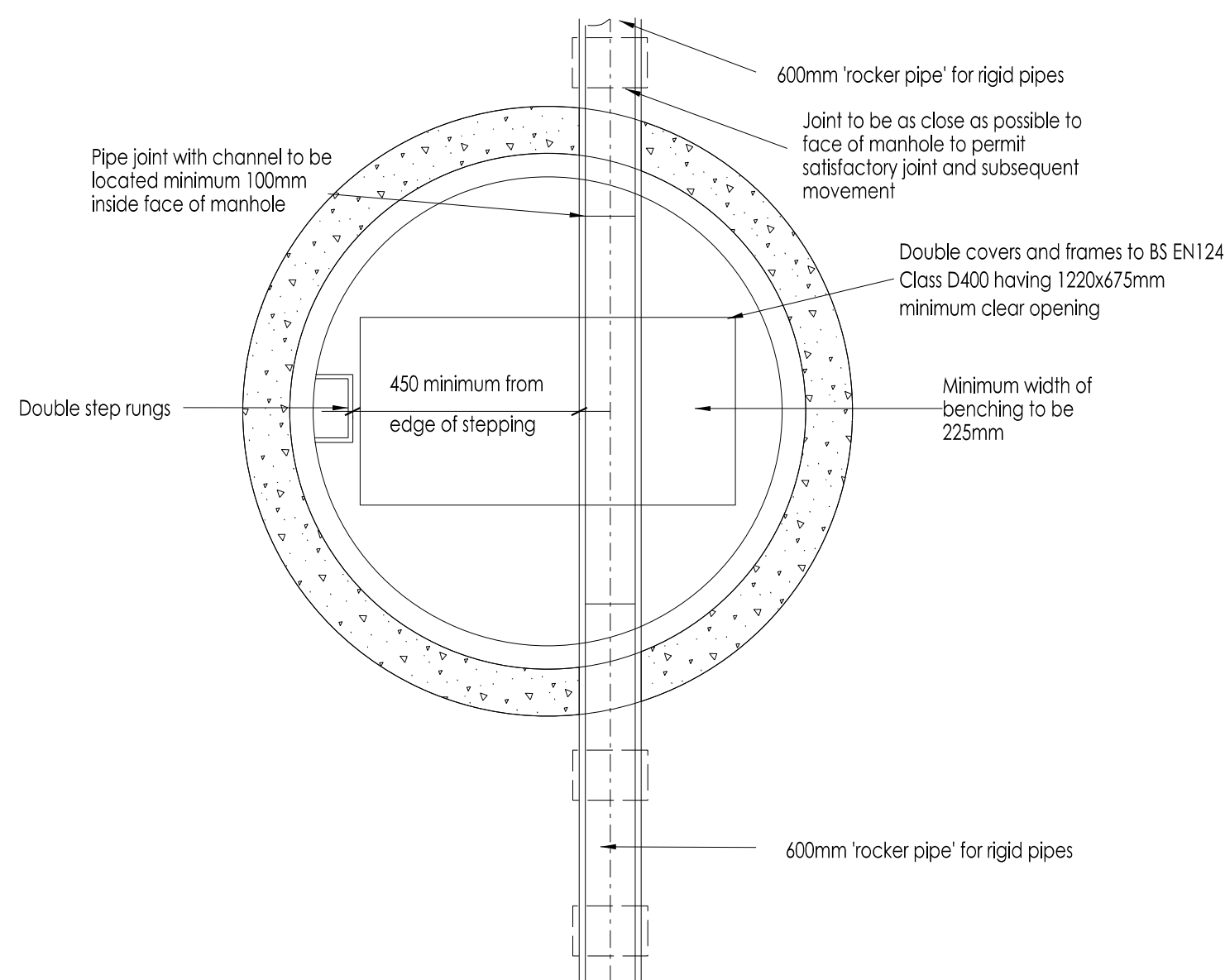
225mm to underside



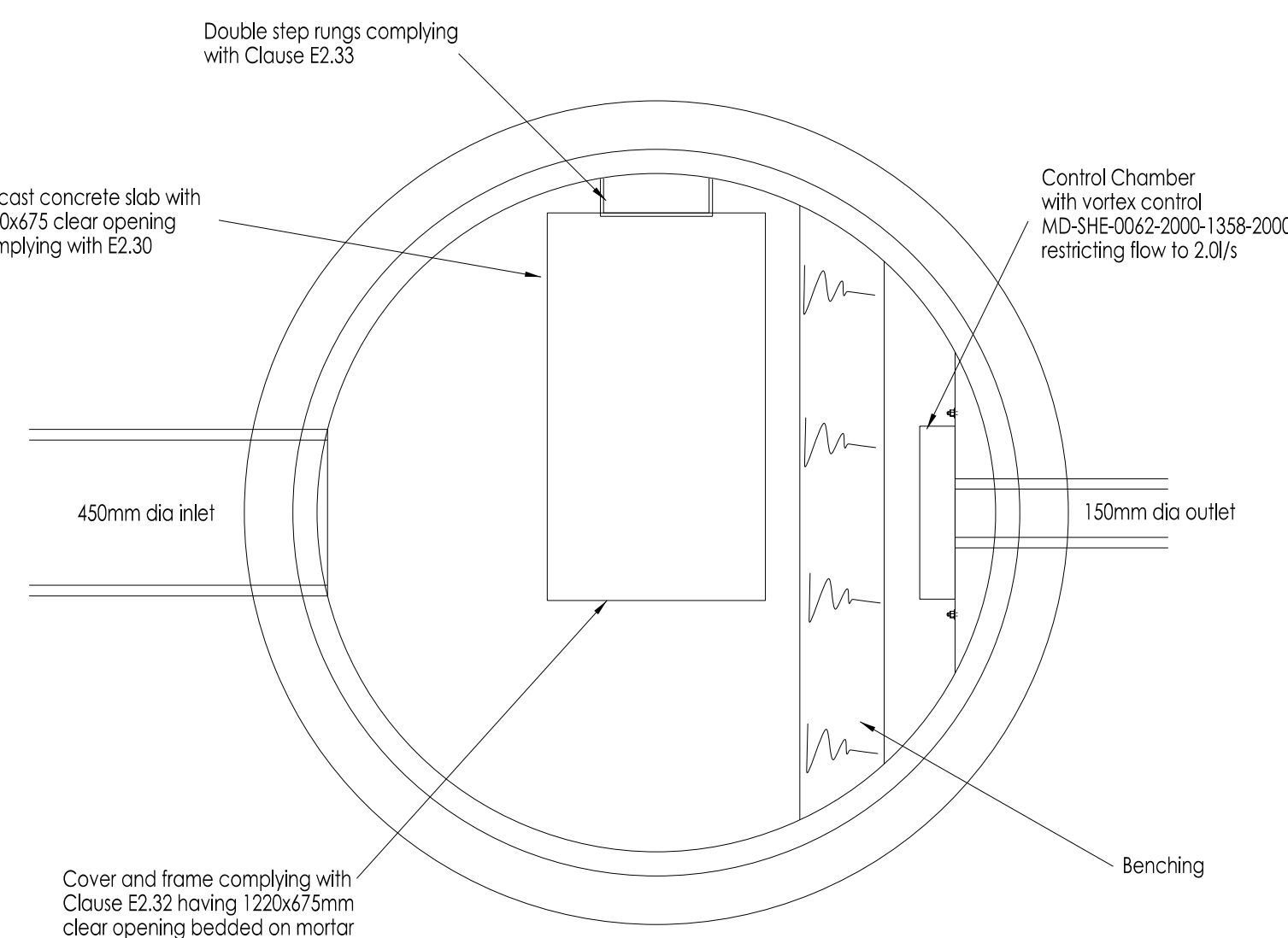
Mortar bedding and haunching to cover and frame
 Minimum 1 course of Class B engineering bricks or precast concrete cover frame seating rings
 150mm in-situ concrete GEN3 (designed to BRE Special Digest 1)
 High-strength concrete topping to be brought up to a dense, smooth face, neatly shaped and finished to all branch connections (minimum thickness 20mm). Benching slope to be between 1:10 to 1:30
 In-situ concrete GEN3 (designed to BRE Special Digest 1) or Easi-Base precast system
 Inverts to be formed using channel pipes.

Double covers and frames to BS EN124 Class D400 having 1200x675mm minimum clear opening
 Reinforced concrete cover slab with minimum 1200x675mm access bedded with mortar, proprietary bitumen or resin mastic sealant
 Precast concrete chamber sections jointed with mortar, elastomeric or plasticseal seals. Lifting eyes to be pointed.
 The bottom precast manhole inlet to be built into base minimum 75mm
 Distance between top of pipe and underside of precast section to be minimum 50mm to maximum 300mm.
 225mm to underside of channel

675 max



Chamber S14
Refer to MH
Schedule



Control Chamber - S13

Plastic pipes to be compliant with specifications in E2.21 of DCG

P3	Control chamber revised	JW	PAE	14/03/25
P2	Hydrobrake ref. revised	JW	PAE	19/02/25
P1	Initial Issue	JW	PAE	04/02/25
Rev	Description	Drn	Vf'd	Date

Refer to the current Designer's Risk Assessment sheets for further details.

Designer's Signature	JW	Date	02/25
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Drawing Status **REGULATORY APPROVAL**

Newark-on-Trent,
Nottinghamshire. NG24 1FB.

Also at Leeds and Lincoln.

Project

Residential Development,
Lime Walk,
Long Sutton

Client
Seagate Homes (UK) Ltd.

Title
S104 Construction Details 1

WmS Project Ref. 12700	Drawn JW	Date 02/25	Scale NTS @ A1
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Drawing/Document Reference								
Project	Originator	Zone	Level	Type	Role	Number	Status	Rev.
12700 - WMS - ZZ - XX - D - C -	39215 - S8 - P3							