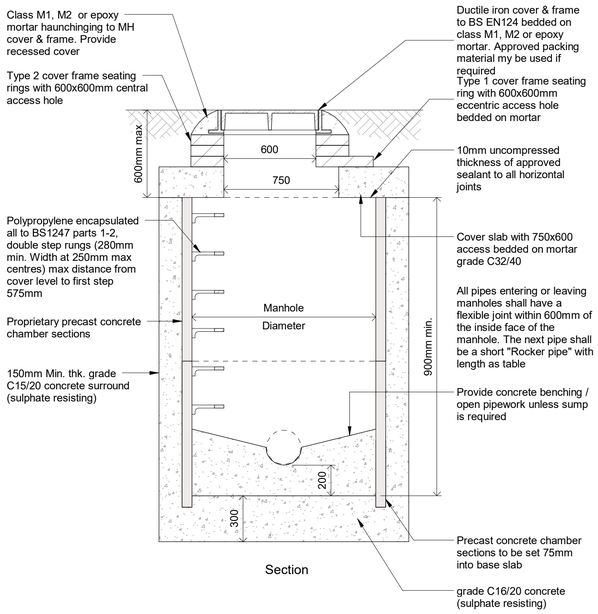
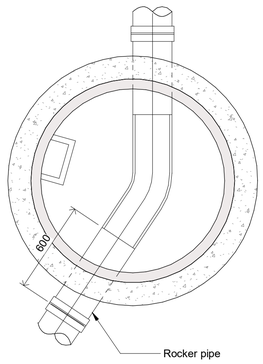


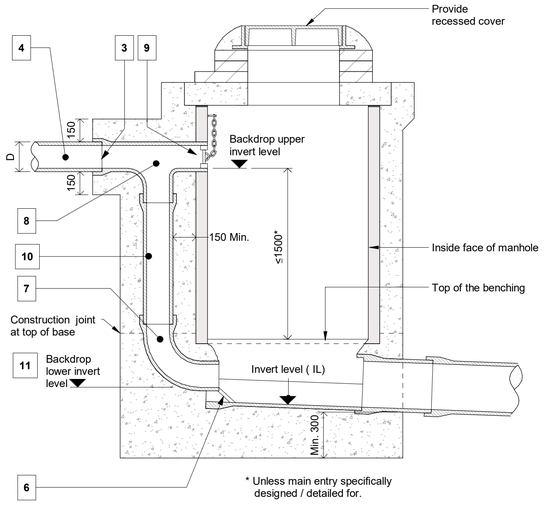
Section



Plan

Rocker pipes	
Diameter (mm)	Length (mm)
150 to 600	600

1 Typical Manhole
1 : 20



Section

1. All concrete products, insitu concrete and mortars to be produced / mixed using sulphate resistant cement to BS 4027.
2. Pipes entering/exiting manholes and catchpits shall have a flexible joint as close as possible to face of manhole to permit satisfactory joint and subsequent movement, followed by rocker pipe (see note 8.)
3. A rocker pipe shall be installed of length as follows:-

Pipe Dia. (mm)	Rocker pipe length (mm)
150 to 600	600
675 to 750	1000
825 and over	1250

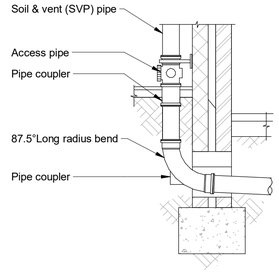
4. Additional rocker pipes may be necessary to accommodate transition pipe gradient to vertical down pipe.
5. A pipe/channel joint within a manhole shall be located 100mm minimum from the inside face of the chamber wall.
6. High strength concrete topping (C32/40) to be brought up to a dense, smooth face, neatly finished to all branch connections, (minimum thickness 20mm.)
7. 90° radius bend shall be turned to direct flow in direction of main flow, or obliquely to main flow if backdrop is on a branch.
8. Standard square tumbling bay junction.
9. Rodding access through chamber wall shall be sealed with a purpose made expanding pipe stopper attached by a chain bolted to the chamber wall.
10. Backdrop pipework to be set vertical.
11. The difference between the upper and lower backdrop invert levels to be at least as follows :-

'D' (pipe dia. mm)	Min. level difference (mm)
150	495
225	630
300	720
375	1095
450	1115
525	1220
600	1320

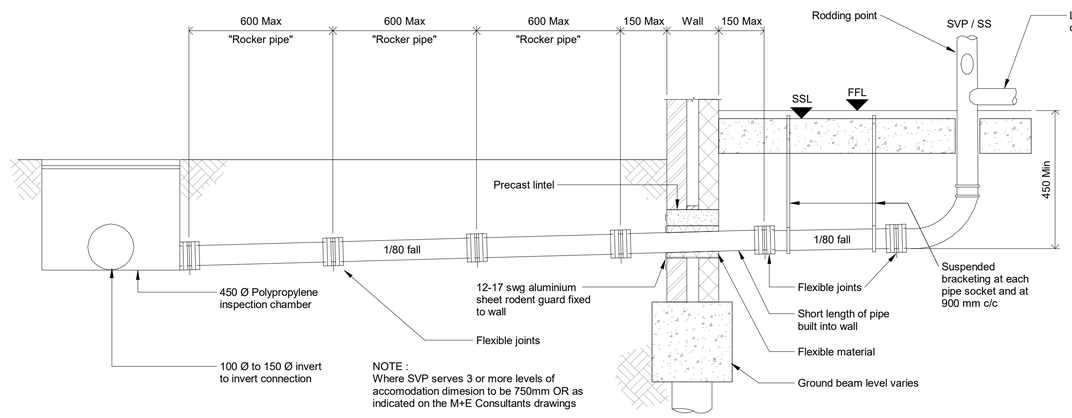
The details shown on this drawing accord with the requirements of 'Sewers for adoption', 7th edition,2010.

2 Typical Back Drop to Manhole
1 : 20

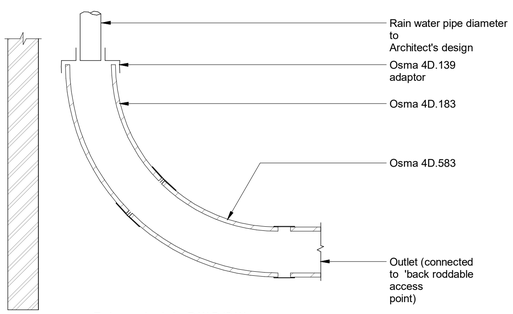
3 Typical External RWP to Drain
1 : 20



4 Typical SVP Connection Detail
1 : 20

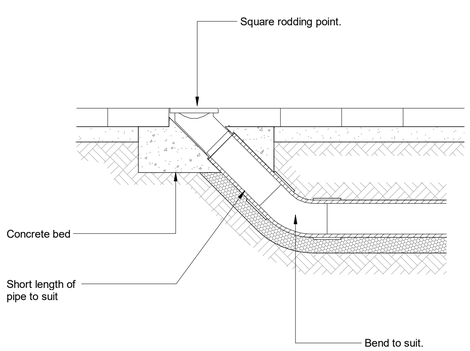


5 Typical Drainage Section
1 : 10



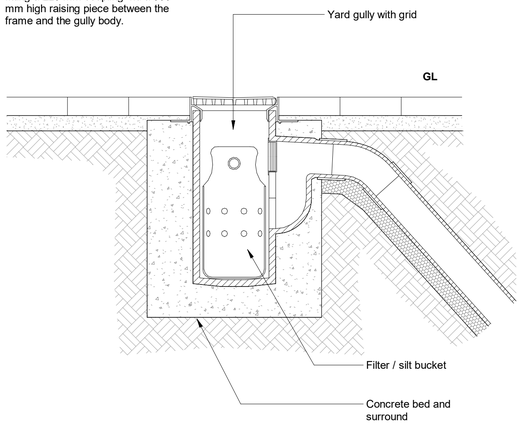
To be used only for R.W.P./S.W. Drain connections that directly connect with a roddable point such as inspection chamber.

6 Typical Connection to External RWP
1 : 10



7 Typical Rodding Point Installation Detail
1 : 10

NOTE : The depth of the gully can be increased by up to 300 mm by fitting a 225 mm coupling nd a 300 mm high raising piece between the frame and the gully body.



8 Typical Yard Gully Connection Detail
1 : 10

General Notes

1. This drawing is to be read in conjunction with all relevant Architects & Engineers drawings & specifications.
2. The Contractor is to be responsible for all dimensions & for the correct setting out of the works on site.
3. Do not scale from this drawing.

Rev	Date	By	Chkd	Description
P1	20.10.21	CS	MT	Issued For Information

Eckersley O'Callaghan

London Office 9th Floor, 236 Gray's Inn Rd, London WC1X 8HB
+44 (0) 20 7354 5402 eocengineers.com

Project Title
Branch Hill House, London

Drawing Title
Below Ground Drainage
Typical Details - Sheet 1

Project No	Scale:
21021	As indicated [A1]
Drawn By	**Date**
CS	Oct 2021

Drawing Suitability Ver
S0 - Initial Issue

Drawing Number Rev
BHH-EOC-V1-ZZ-DR-S-5100 P1