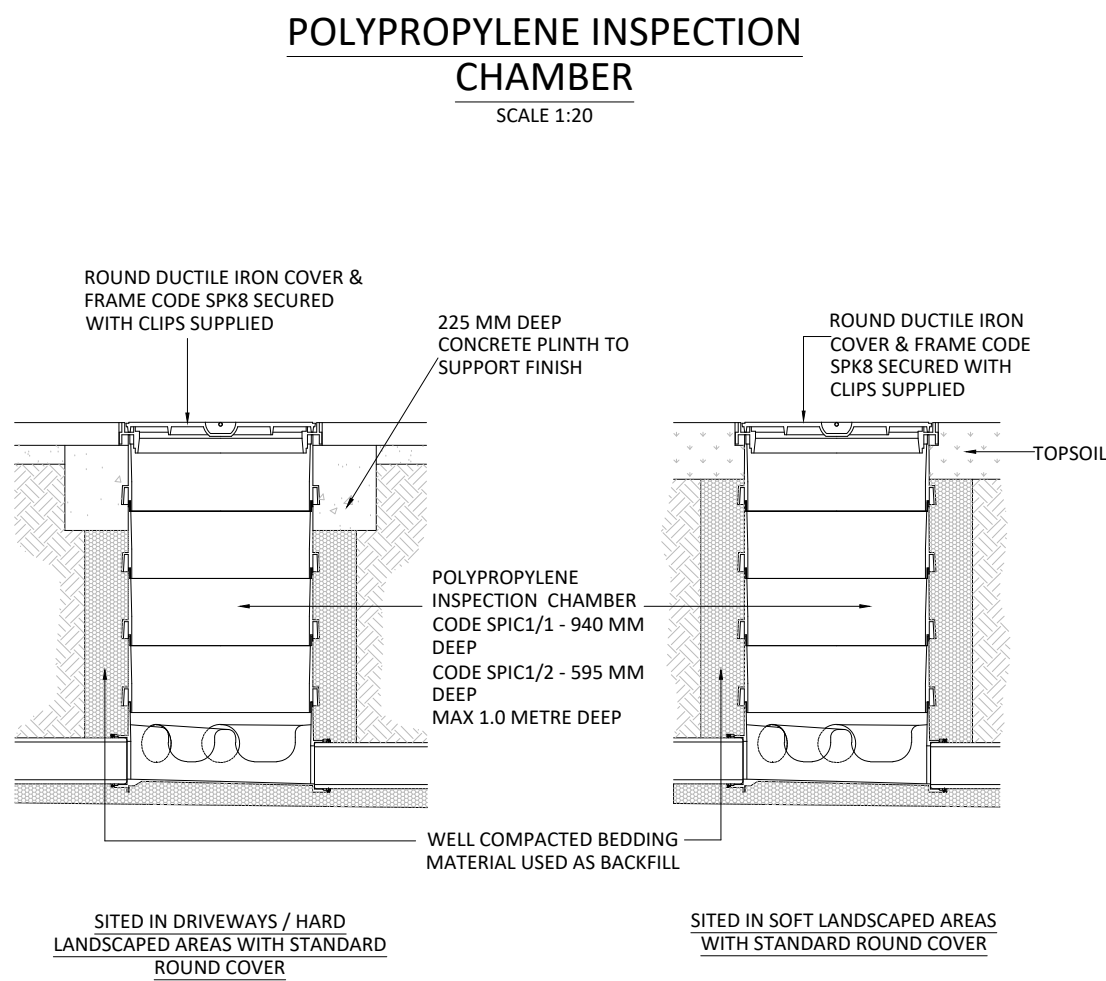
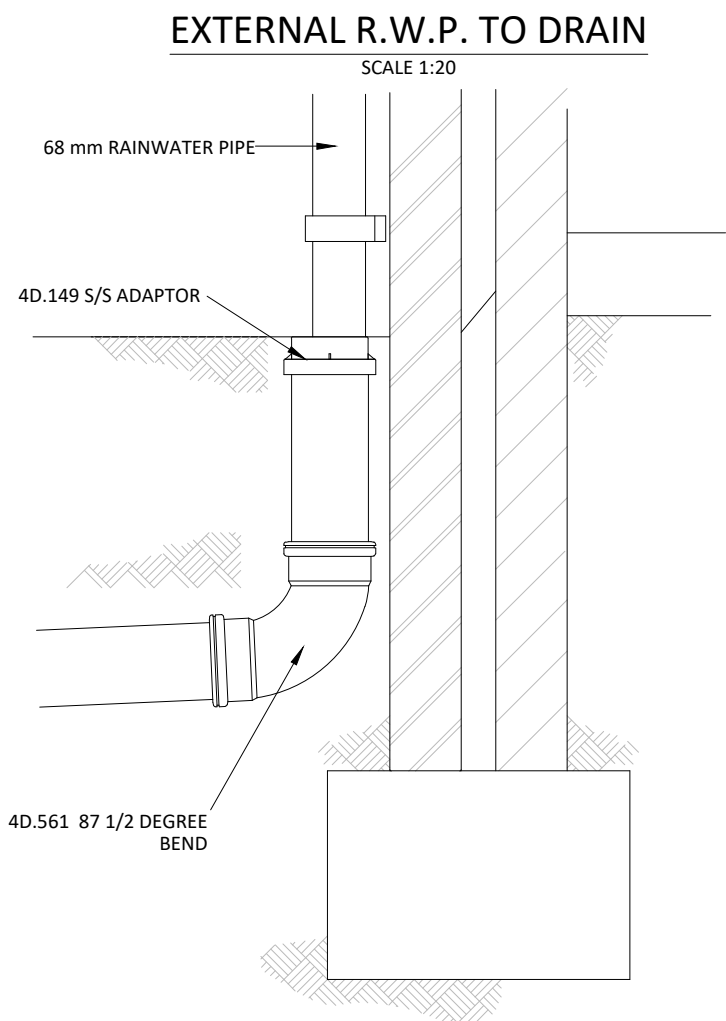
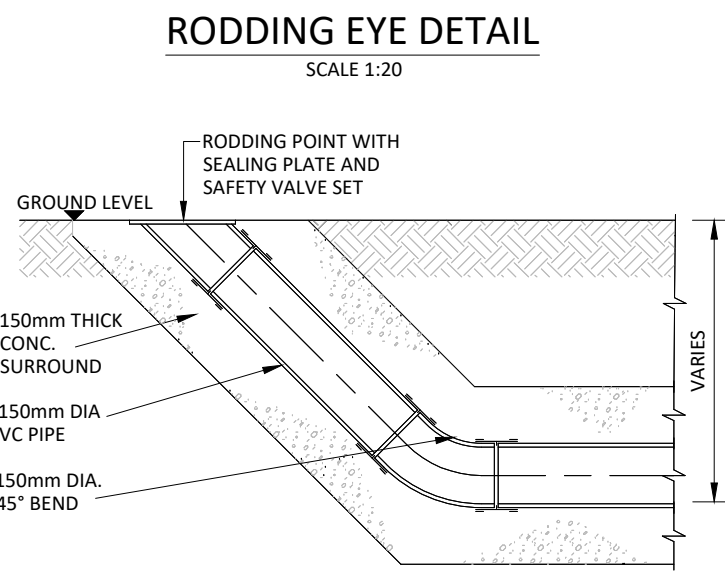




ORIFLO FLOW CONTROL CHAMBER
NOT TO SCALE

ORIFLO
FLOW CONTROL CHAMBERS
MODEL: OFCC450
Flow Control Chamber for use with 110/160mm EN 1401 & 150/225mm twinwall pipework.

C SERIES - PROTECTED PLATE

OVERVIEW
The ORIFLO OFCC450 is classed as a protected orifice plate - flow control chamber. Designed to support SuDS management and the sewer infrastructure, as part of a designed attenuation system, helping prevent flooding by controlling the flow into the main sewer.

APPLICATION
Designed to be installed downstream of larger attenuation systems, i.e. tank and oversized pipe systems, forming the final part of the SuDS chain.

DESCRIPTION
450 diameter, single piece - factory built unit, delivered to site ready to install. Integrally there is a unique SILTLOK filter and debris barrier. The barrier protects the orifice plate from blockage, as well as protecting the downstream watercourse. All units feature an impact resistant, twinwall body, with a choice of inlet pipe diameters from 110mm EN 1401 to 225mm twinwall. The standard outlet pipe is 150mm twinwall, which has a removable orifice plate fitted internally, however other pipework sizes are available using supplied adaptors - 110/160mm EN 1401 & 225mm twinwall. Further inlets are available on request and with a choice of positions from 120° to 240° (As shown in plan view below). The number of extra inlets will be dependent on size of pipe and orientation.

COMPLIANCE

- Design & Construction Guidance - April 2020, Section C7.12 - Flow Control Device
- Building Regulations - Part H1
- New DCS (Design and Construction Guidance) states: 'In Adaptable applications, this type of flow control device, is designed with a minimum 50mm orifice diameter

FEATURES & BENEFITS

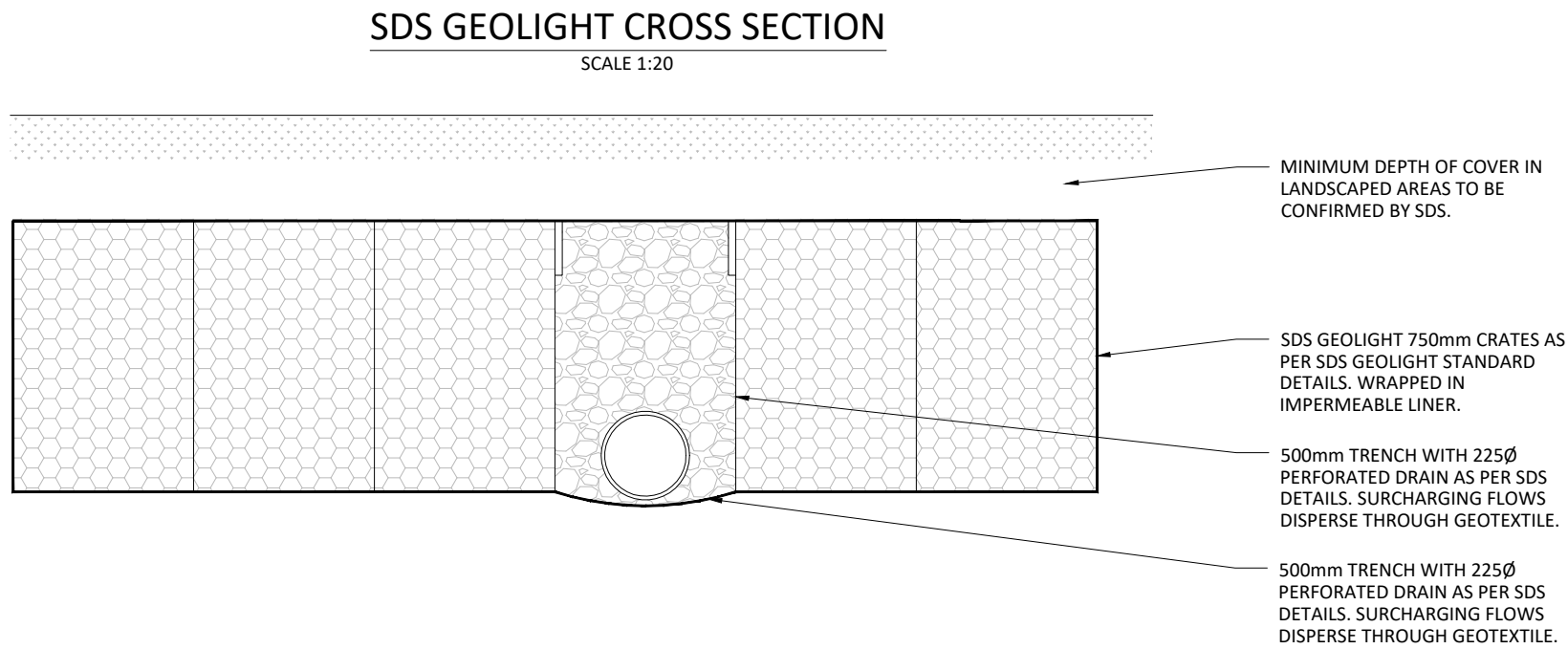
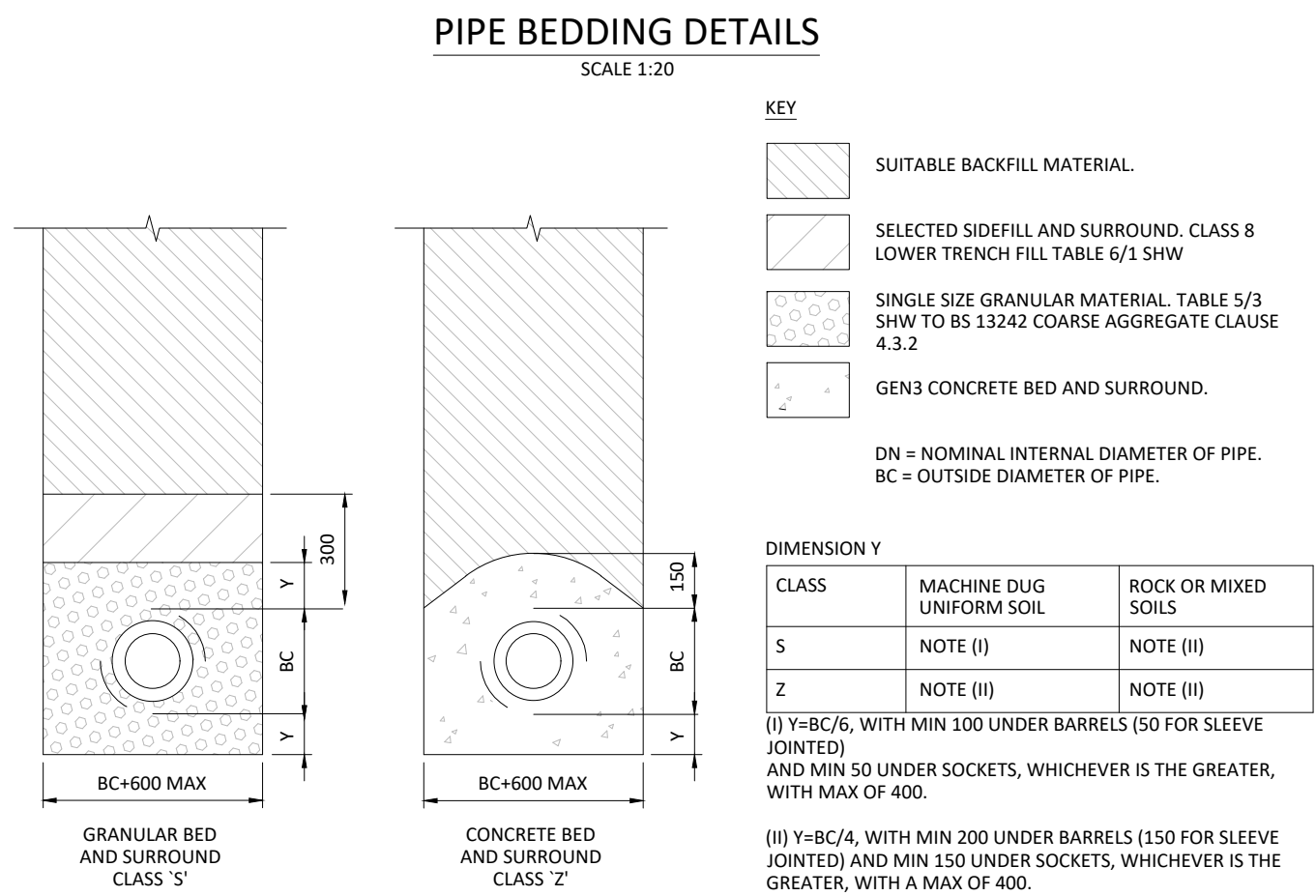
- Single piece unit delivered ready to install, reducing installation time and costs
- Robust, chemical resistant - twinwall body
- Offers significant onsite savings against PCC and other traditional construction methods, as they need no construction or wet trades
- Eliminates wastage associated with in-situ construction
- Various pipework options available
- Available in three depths
- Unique SILTLOK filter and debris barrier - manufactured from 100% recycled plastic
- Removable Orifice Plate
- Orifice Plate can be changed easily and extremely cost effectively, should the hydraulics and flow rates change due to future development
- Optional - Circular or Square Access Cover, which has a 350mm diameter restricted access to comply with DCS (Design and Construction Guidance)
- Access shafts can be trimmed to suit required invert
- Can be installed in granular backfill
- 60 year Design Life
- Manufactured in the UK

Product Code

Product Code	Standard Outlet Ø (mm)	Outlet pipework options Ø (mm)	Inlet pipe options Ø (mm)	Depth A (mm)	Inlet Inset B (mm)	Approx. Weight (kg)
OFCC450/1	150mm	110/160 (EN 1401) 225mm	110/160 (EN 1401) 150/225mm	1030	700	25
OFCC450/1.5	150mm	110/160 (EN 1401) 225mm	110/160 (EN 1401) 150/225mm	1045	1275	25
OFCC450/2	150mm	110/160 (EN 1401) 225mm	110/160 (EN 1401) 150/225mm	1027	1027	30

Please Note: The orifice plates in OFCC450/2 supplied - can be removed but not if restricted access gap or cover is fitted

www.turteenviro.co.uk | Email: sales@turteenviro.co.uk | Sales & Technical support: Tel: 0191 3036315



A	FIRST ISSUE	30.01.26	JJ	RP
REV.	DESCRIPTION	Date	BY	CHK
DESIGN BY:				
CLIENT:				
JOE KAY				
DRAWING STATUS:				
DISCHARGE OF PLANNING CONDITIONS				
SCALE @ A1:				
AS SHOWN				
PROJECT:				
178 BEARWOOD ROAD, WOKINGHAM				
TITLE:				
DRAINAGE DETAILS				
Project Ref: Originator: Stage: Phase: Number:				REV:
19721-TUM-DD-XXX-3050				A