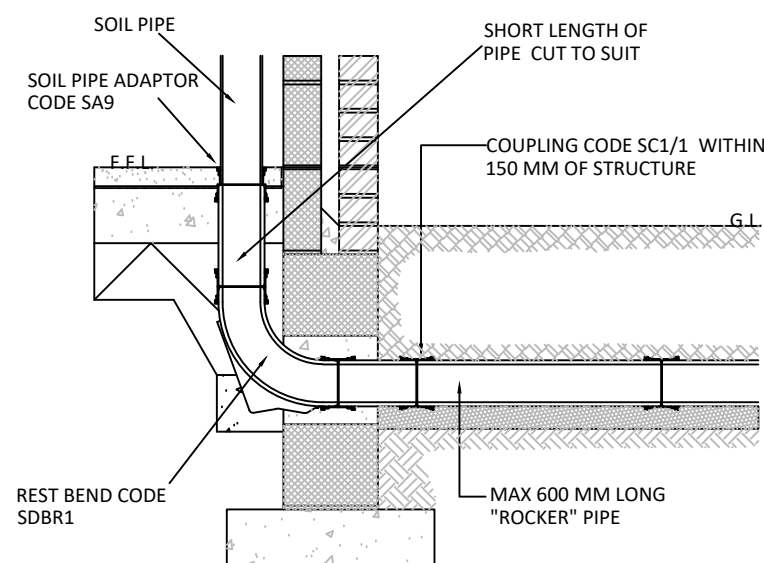
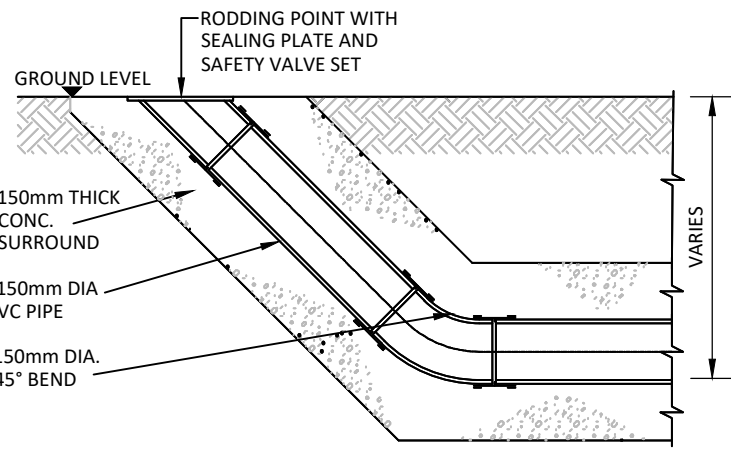


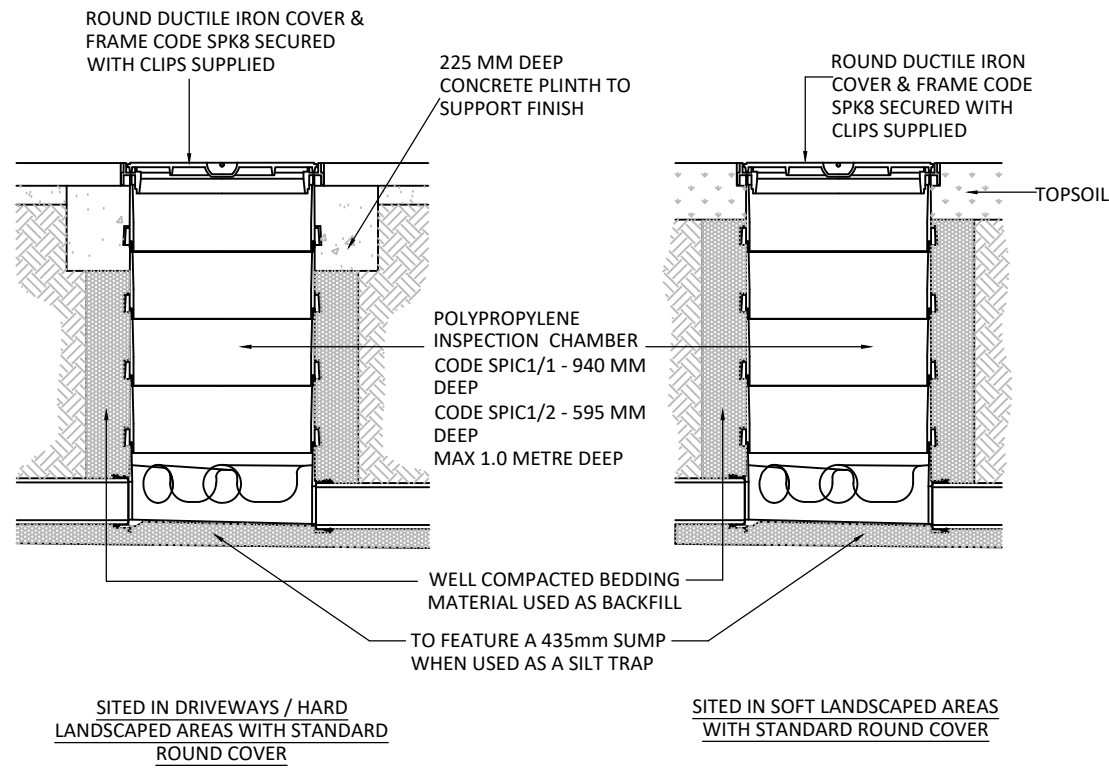
SOIL & VENT PIPE / STUB
STACK / W.C. PIPE
SCALE 1:20



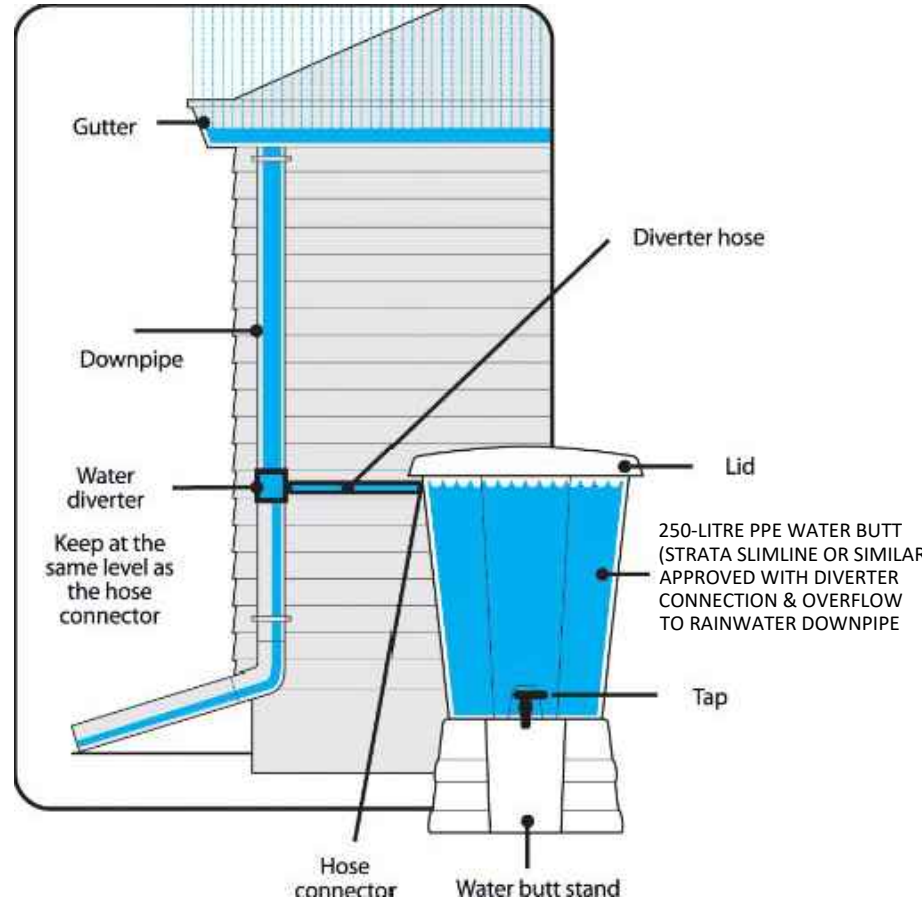
RODDING EYE DETAIL
SCALE 1:20



POLYPROPYLENE INSPECTION
CHAMBER
SCALE 1:20



TYPICAL WATER BUTT DETAIL
NOT TO SCALE



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

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, ie. tank and oversized pipe systems, forming the final part of the SUDS chain.

DESCRIPTION
450mm diameter, single piece, factory built units, delivered to site ready to install. Integrally there is a unique SILTELOCK 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 dependant on size of pipe and orientation.

COMPLIANCE
■ Design & Construction Guidance - April 2020, Section C7.12 - Flow Control Device
■ Building Regulations - Part H4
■ New DCS (Design and Construction Guidance) states; In Adaptable applications, this type of flow control device is designed with a minimum 50mm orifice diameter

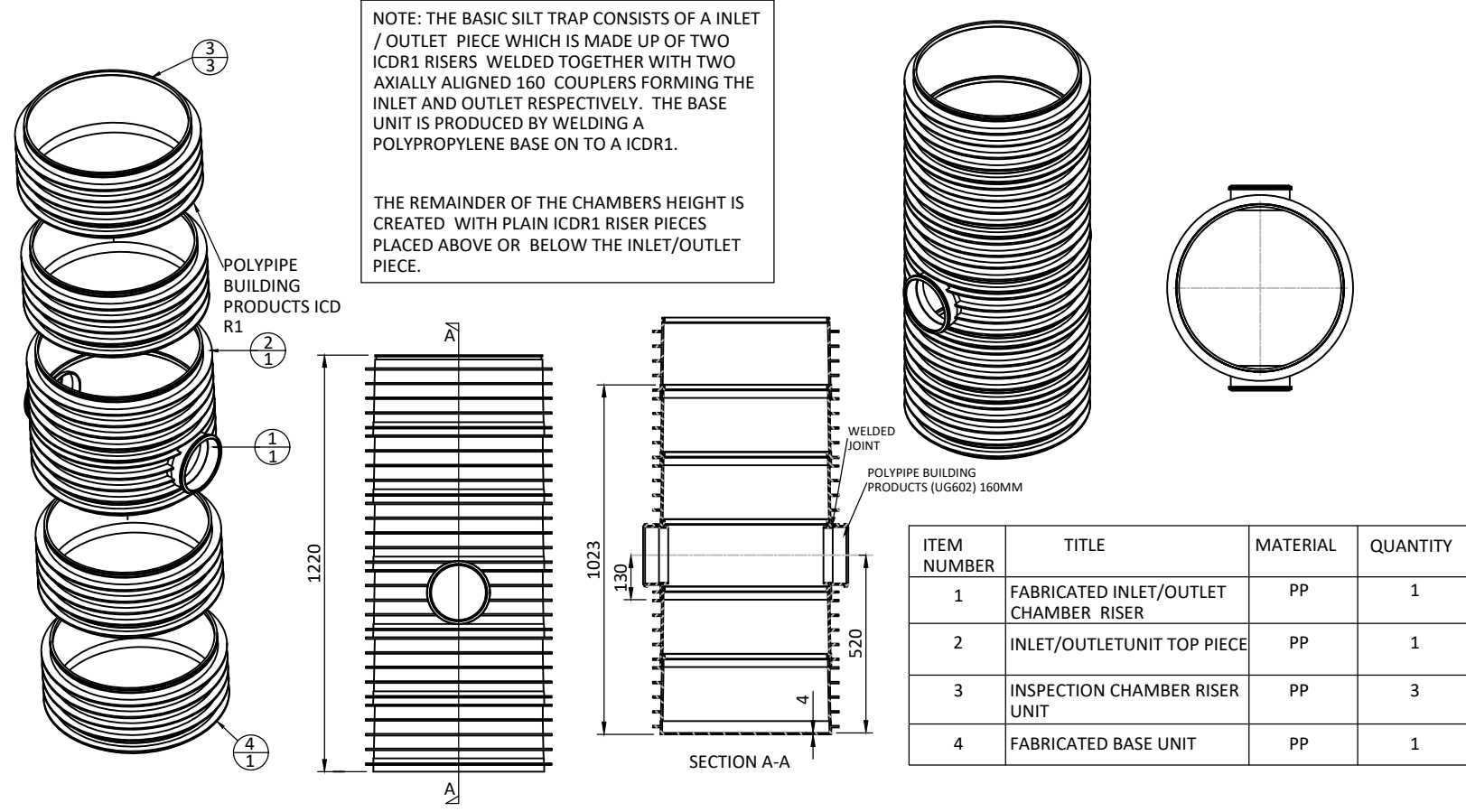
FEATURES & BENEFITS
■ Single piece unit delivered ready to install, reducing installation time and costs.
■ Robust, chemical resistant, twinwall body.
■ Offers significant orifice savings against PCC and other traditional construction methods, as they need no construction or wet trades.
■ Eliminates wastage associated with in-situ construction.
■ Various pipework options available.
■ Available in three depths.
■ Unique SILTELOCK 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 300mm diameter restricted access to comply with DCS (Design and Construction Guidance).
■ Access shafts can be tapered to suit required invert.
■ Can be installed in granular bedfill.
■ 40 year Design Life.
■ Manufactured in the UK.

Product Code **Standard** **Outlet** **Orifice** **Inlet pipe options** **Depth** **Inlet Invert** **Access** **Weight**
OFCC450/1 150mm twinwall 110mm (EN 1401) 110mm (EN 1401) 1000 700 20
OFCC450/1.5 150mm twinwall 110mm (EN 1401) 110mm (EN 1401) 1540 1216 25
OFCC450/2+ 150mm twinwall 110mm (EN 1401) 110mm (EN 1401) 1957 1627 30

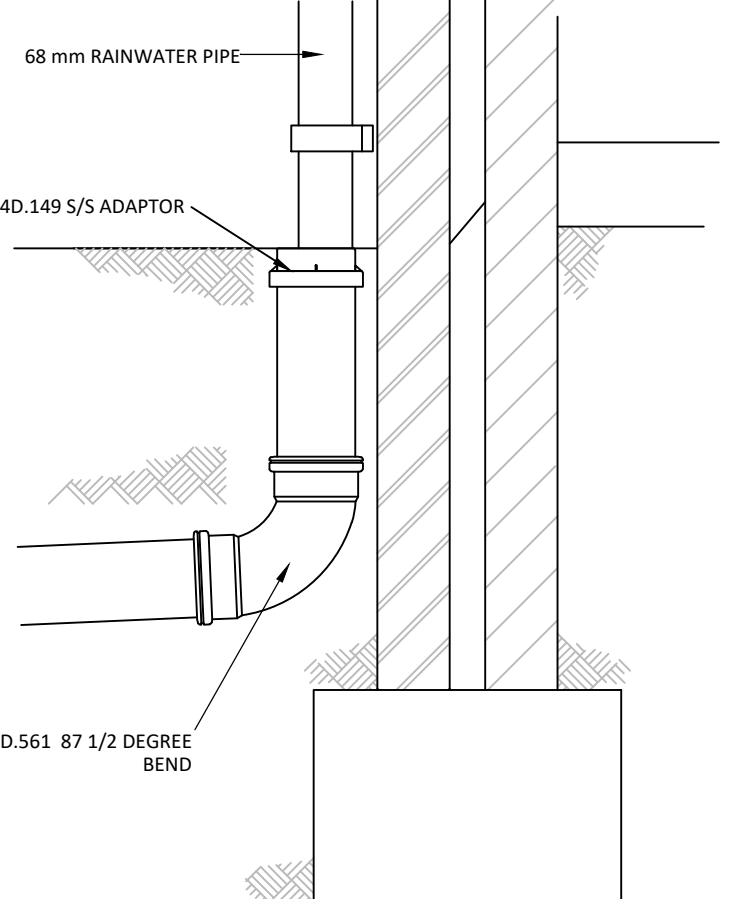
... To calculate the specific orifice diameter from a prescribed restricted flow rate you can use the flow rate calculator on our website: www.tumblevine.co.uk/oriflo

www.tumblevine.co.uk | Email: sales@tumblevine.co.uk | Sales & Technical support: Tel: 0191 30363715

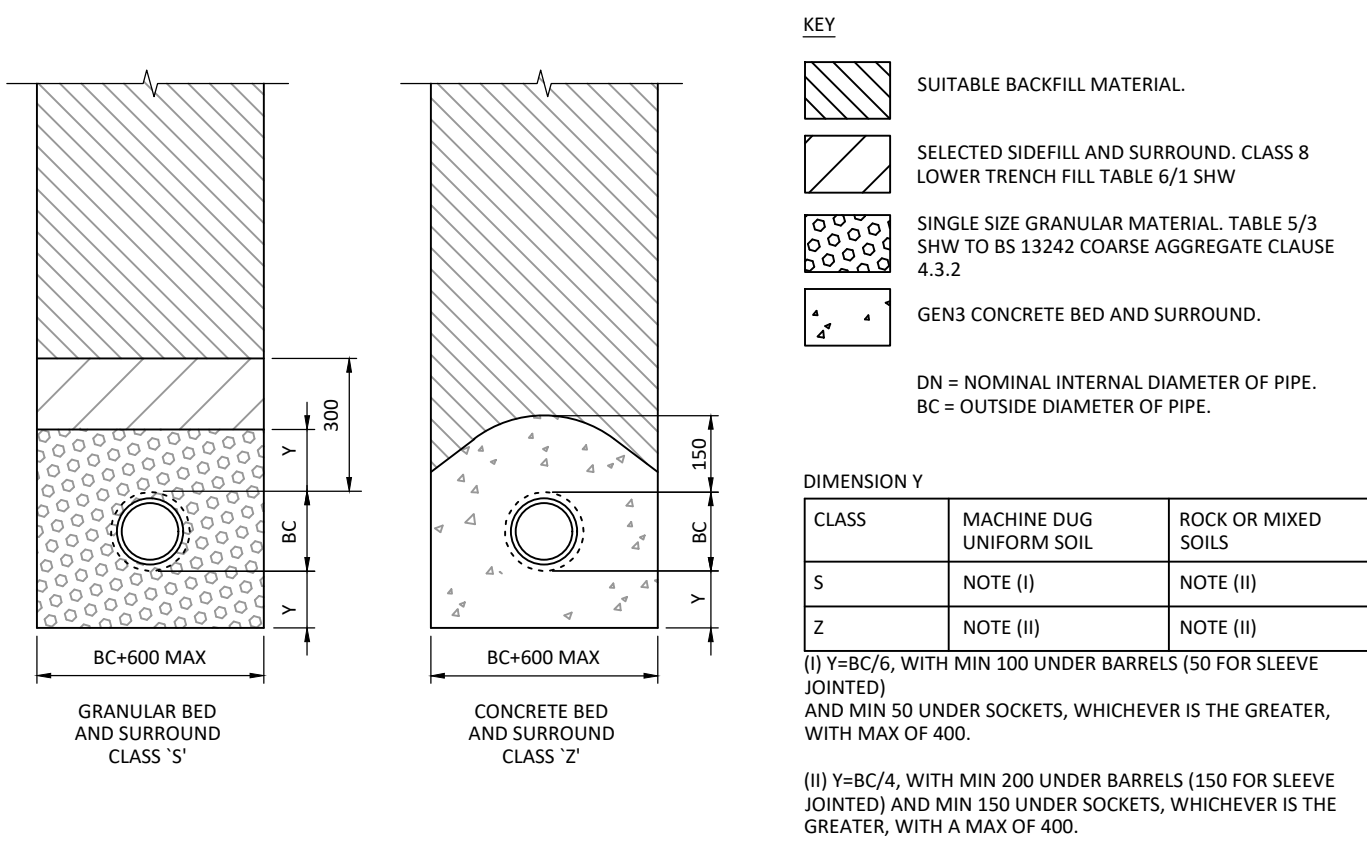
POLYSTORM BASIC SILT TRAP
SCALE 1:20



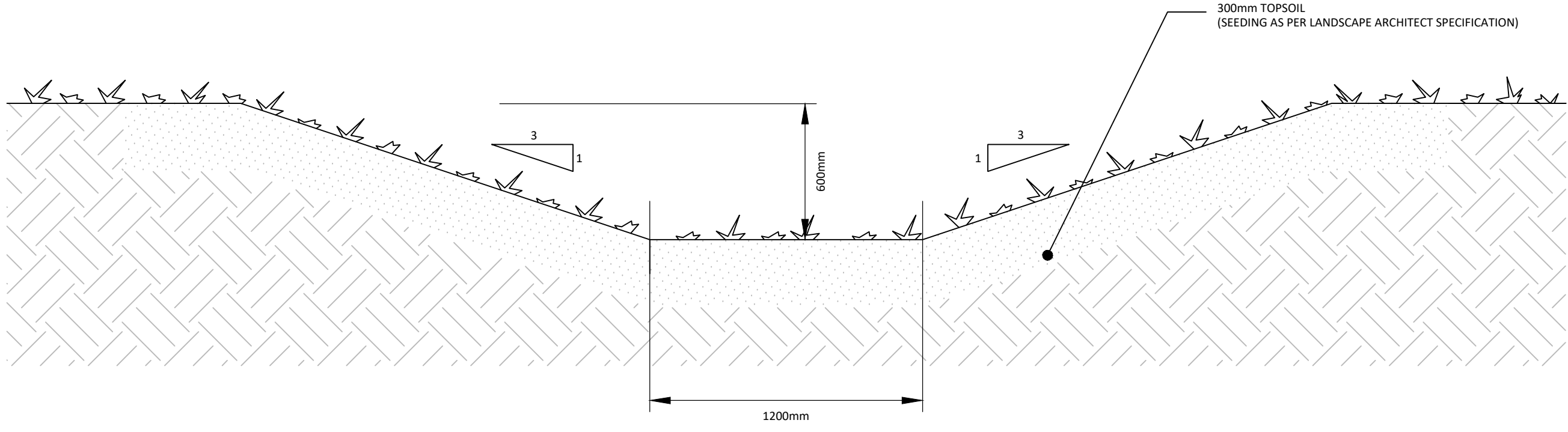
EXTERNAL R.W.P. TO DRAIN
SCALE 1:20



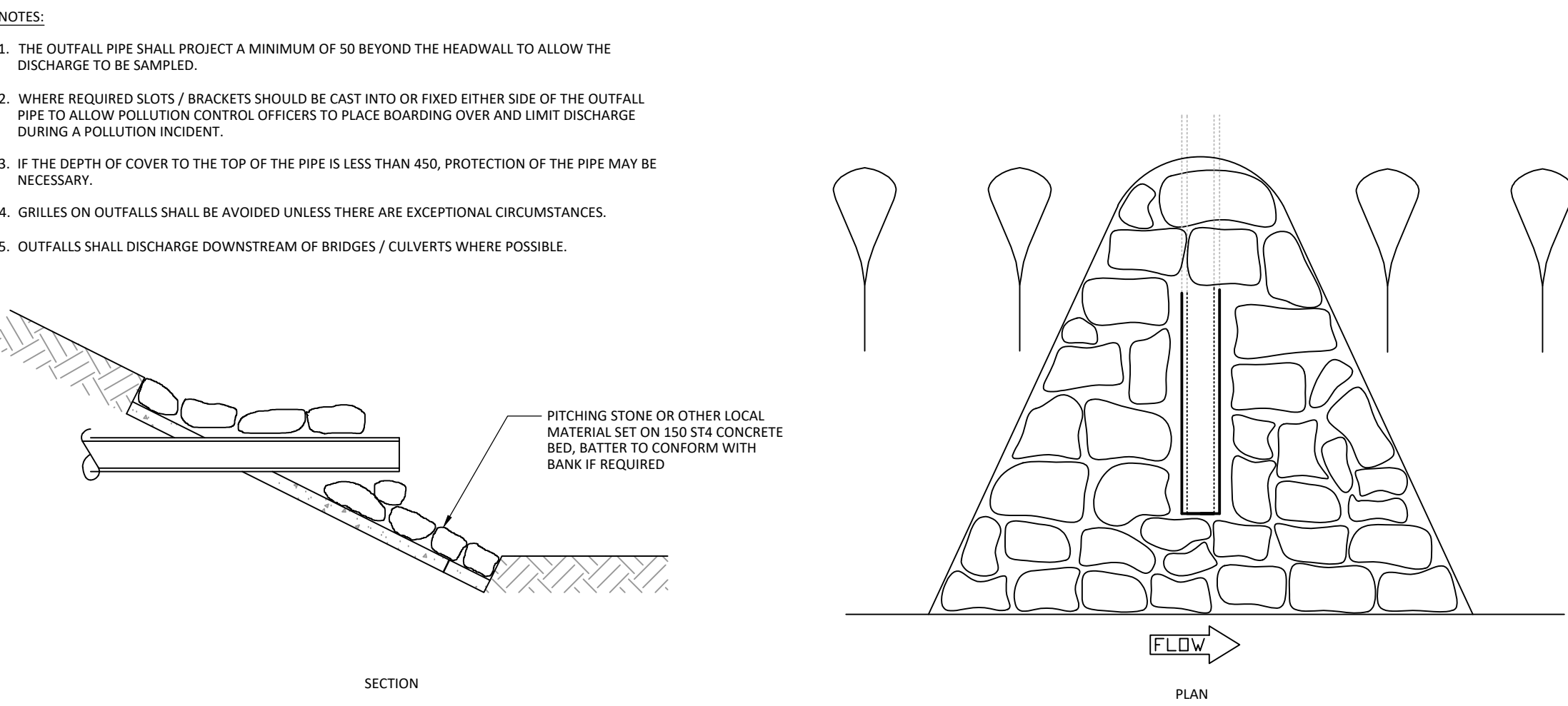
PIPE BEDDING DETAILS
SCALE 1:20



GENERAL SWALE CROSS SECTION DETAIL
SCALE 1:20



HEADWALL - PIPES LESS THAN 300mm DIAMETER
SCALE 1:20



A	FIRST ISSUE	01/08/25	JJ	RP
REV.	DESCRIPTION	Date	BY	CHK
DESIGN BY:				
CLIENT:				
AGM				
DRAWING STATUS:				
DISCHARGE OF PLANNING CONDITIONS				
SCALE @ A1:				
AS SHOWN				
PROJECT:				
CUCKFIELD GOLF CENTRE				
TITLE:				
STANDARD DRAINAGE DETAILS				
PROJECT No:	DRAWING No:	REV:		
19963	19963-TUM-DD-XXX-0280	A		