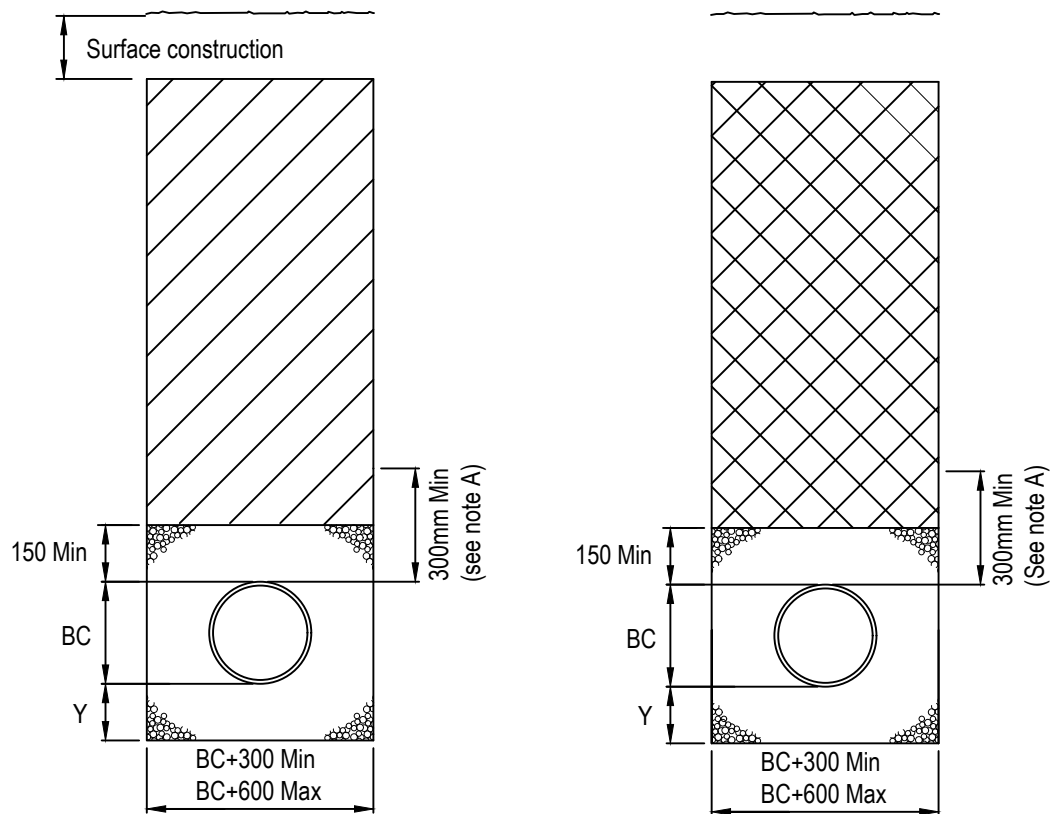


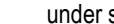


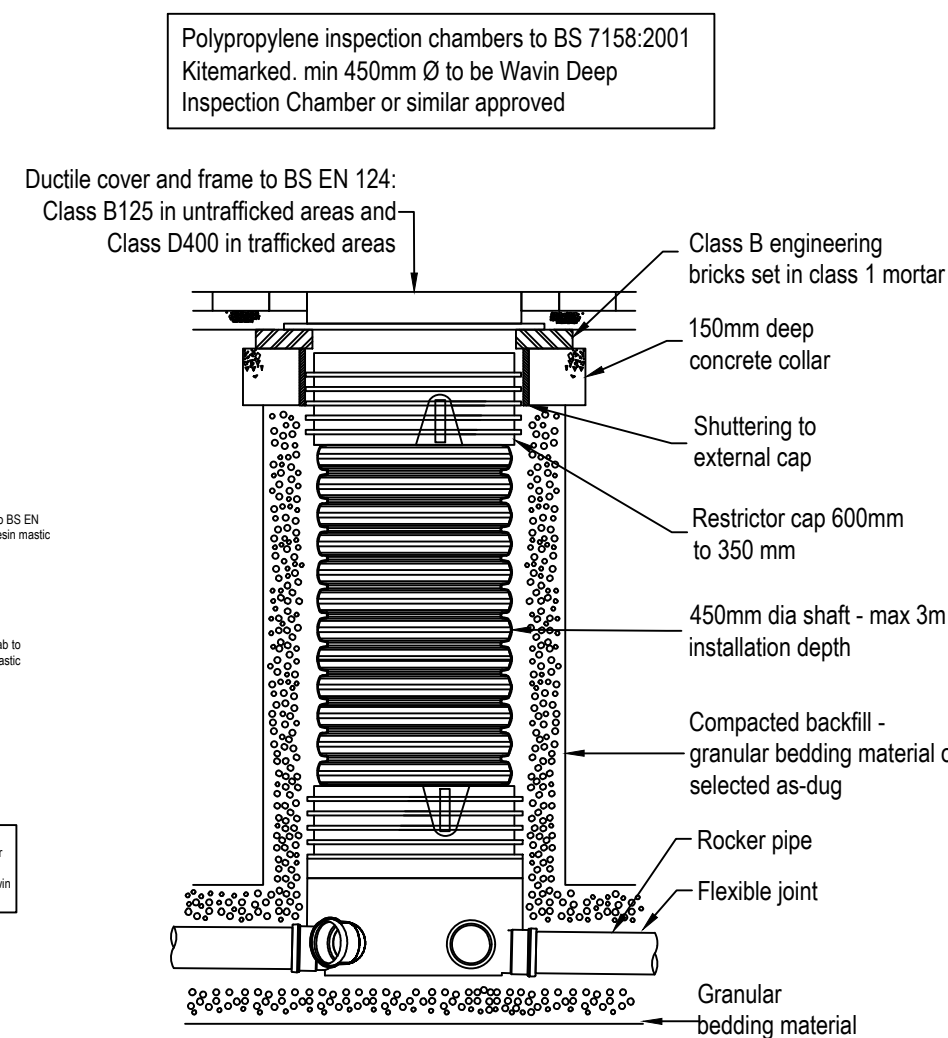
Drains with Flexible Bed & Surround

Type 'S'	Type 'S'
Applicable under roads/service yards where drains have more than 1200 cover (if adopted) or more than 600 cover (if not adopted)	Applicable under footpaths verges and other non-trafficked areas where drains have more than 900 cover (if adopted) or more than 600 cover (if not adopted)

Bedding & Trench Details

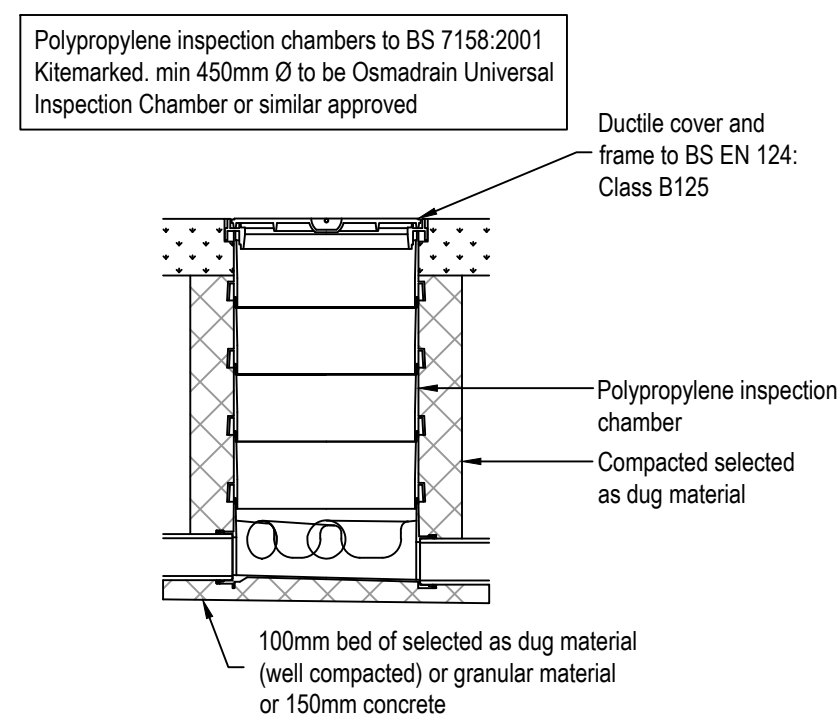
Scale 1:20

Key		Granular Material	
BC	Outside diameter of pipe.	Dia. of Drain	Aggregate
Y	BC/6 OR 100mm under barrels and 50mm min. under sockets whichever is greater (400mm max.)	100mm	10mm single size
	or	150mm	10mm or 14mm single size or 5-20mm graded.
Y	BC/4 or 200mm under barrels and 150mm min. under sockets whichever is greater (400mm max.) For trenches in hard material.	225mm-525mm	10mm or 14mm single size or 5-20mm graded.
		Over 525mm	10, 14, 20 or 40mm single size or 5-20mm graded.
 Earthworks outline.  Granular material (see table)  Selected clean excavated material to S1HW Clause 505 & 601, Class 1, 2, OR 3.  Granular Type 1 material deposited in layers not exceeding 225mm unconsolidated thickness and then fully compacted.		Note A No mechanical compaction within 300mm of crown of pipe. Note B Where drains are laid under buildings refer to engineer for further details.	



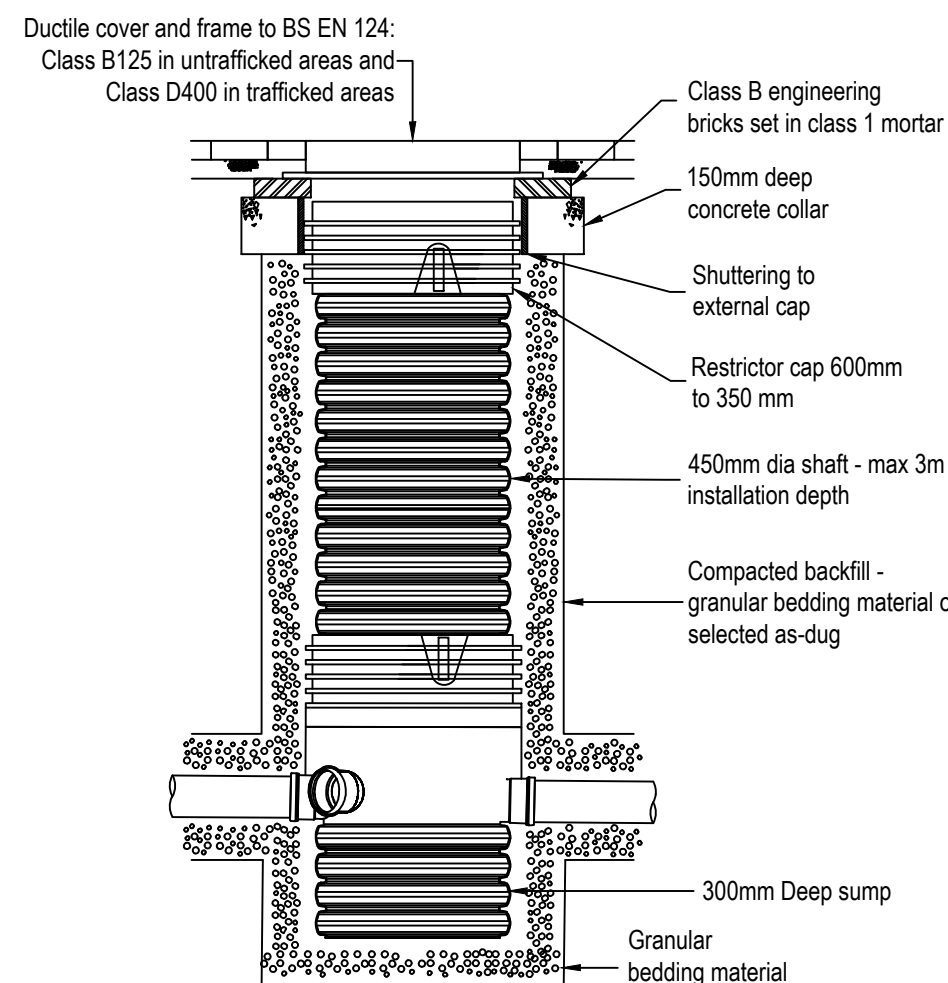
Polypropylene Inspection Chamber
(Depth 1.2 - 3m)

Scale 1:20



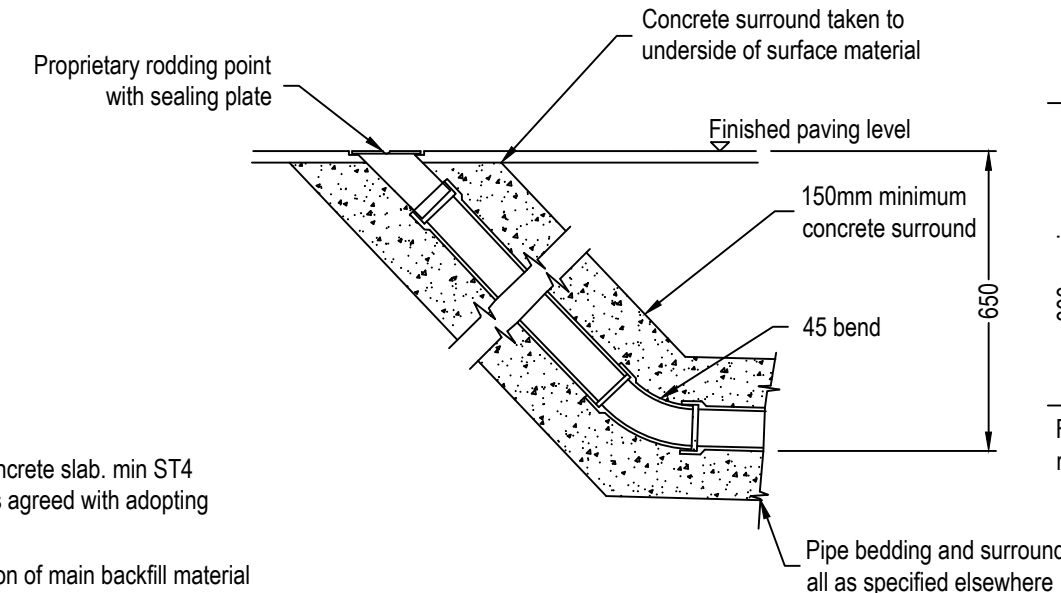
Polypropylene Inspection Chamber
(Depth less than 1.2m) in Untrafficked
Areas

Scale 1:20



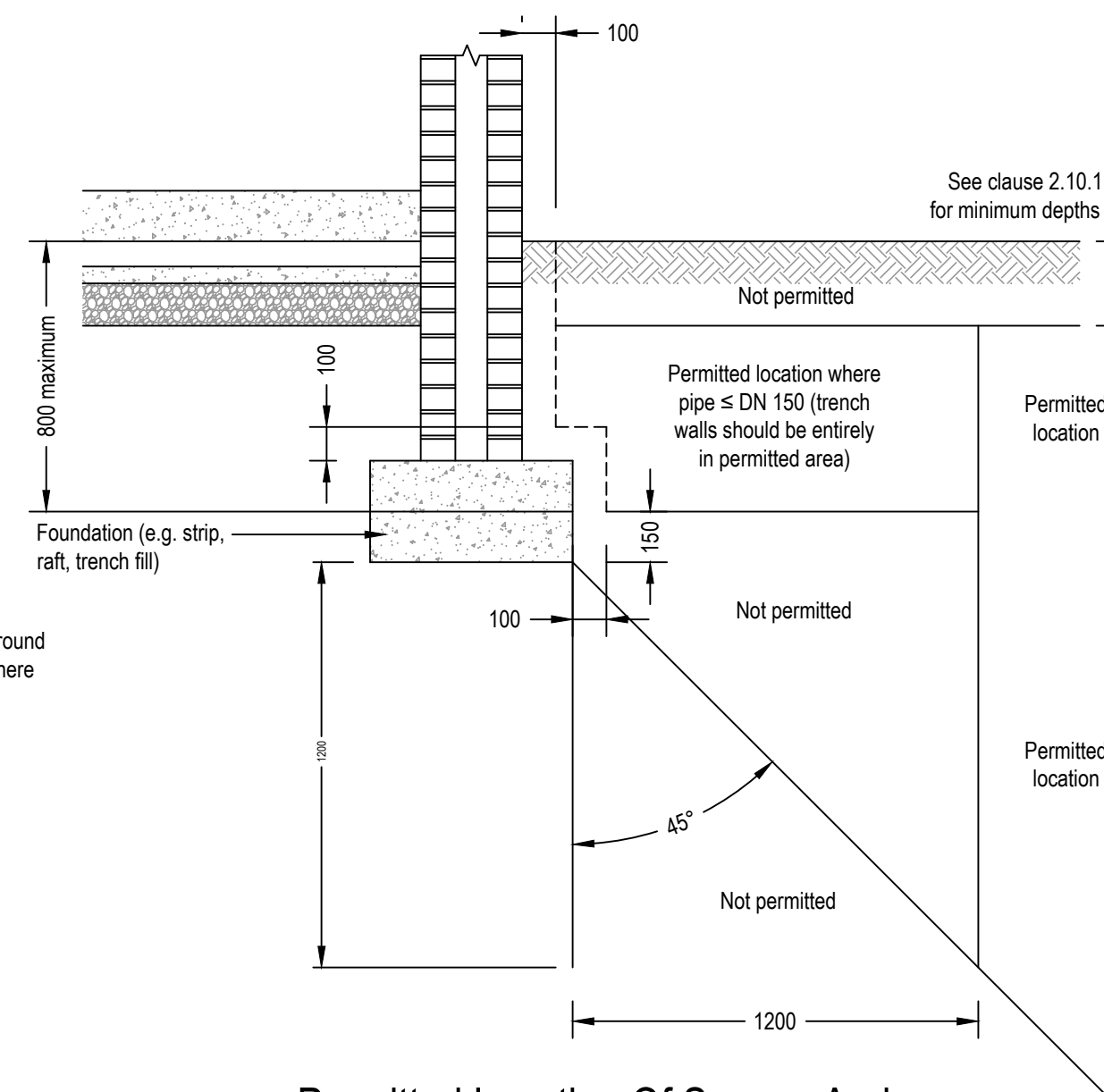
Polypropylene Inspection Chamber Catchpit

Scale 1:20



Typical Rodding Eye Detail

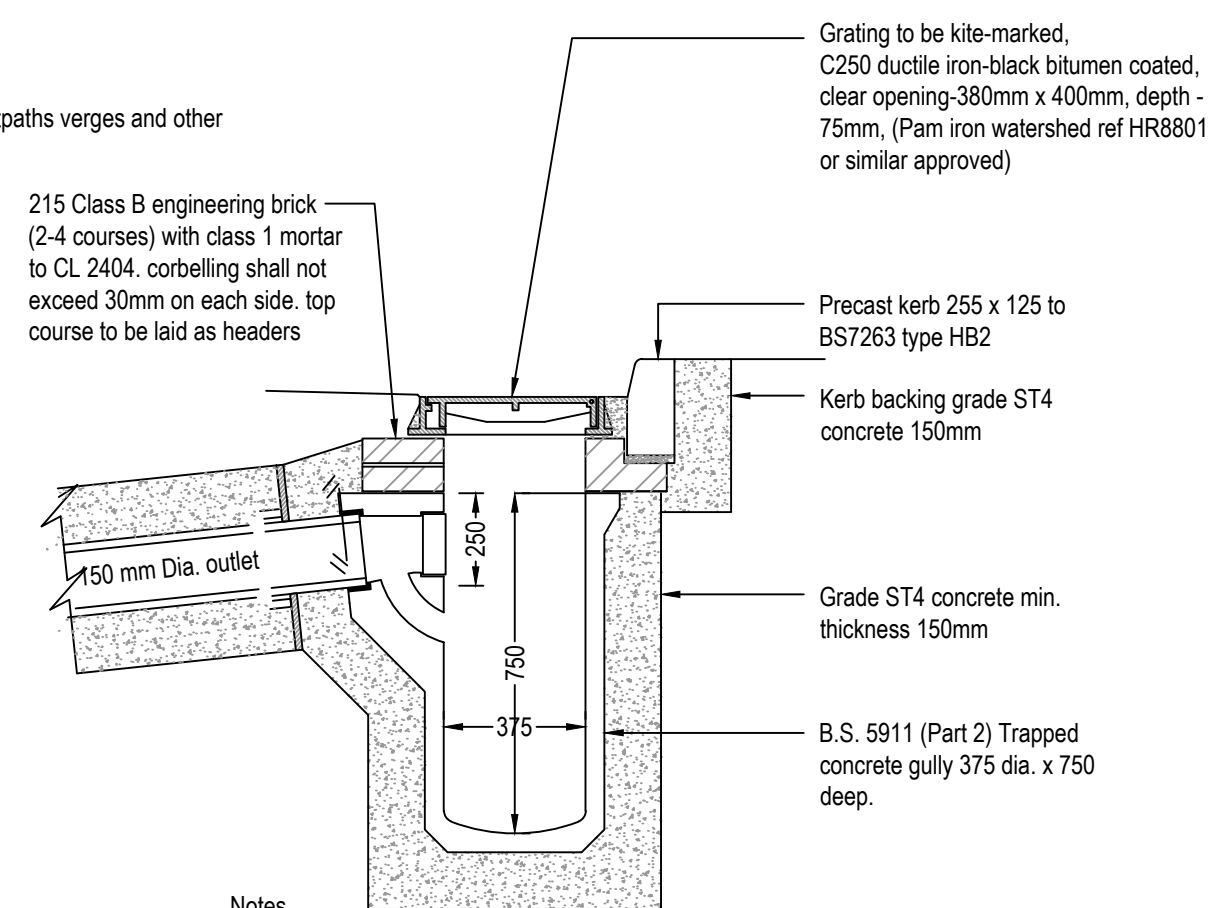
Scale 1:20



Permitted Location Of Sewers And Lateral Drains In Proximity To Buildings

Scale 1:20

TRENCH WIDTHS	
DIA OF DRAIN	WIDTH
100	550
150	600
225	700
300	750
375	1020
450	1150
525	1200
600	1350
675	1450
750	1500
825	1600
900	1900
975	2000
1050	2300
1200	2300
Over 1200	Dia+1000



Precast Concrete Road Gully Detail

1:20