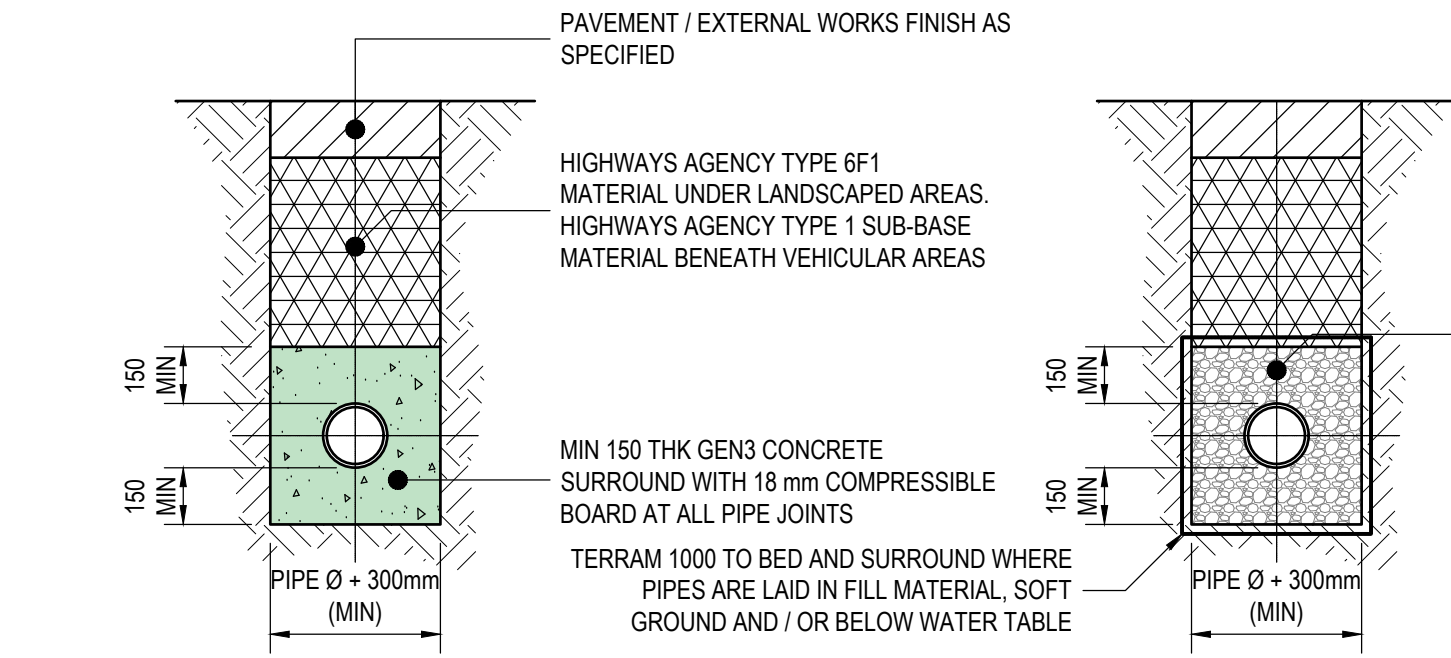




CLASS Z PIPE BEDDING DETAIL

FOR PIPES WITH COVER FROM FINISHED SURFACE TO CROWN LESS THAN 0.9m IN VEHICULAR AREAS OR LESS THAN 0.6m COVER IN LANDSCAPED AREAS OR BENEATH BUILDINGS (1:20 AT A1)

- uPVC / THERMOPLASTIC PIPE NOTES
- PIPES LESS THAN OR EQUAL TO 500 mm DIA TO HAVE A NOMINAL SHORT-TERM RING STIFFNESS OF NOT LESS THAN 8 kN/m² (SN8).
 - PIPES GREATER THAN 500 mm DIA TO HAVE NOMINAL SHORT-TERM RING STIFFNESS OF NOT LESS THAN 2 kN/m² (SN2), WHERE ACCOMPANIED BY MANUFACTURER'S DESIGN LOAD CALCULATIONS FOR THE PROPOSED USE.
 - uPVC PIPEWORK TO BS EN 13476 PARTS 1, 2 & 3 AND WIS 4-35-01.
 - uPVC PIPEWORK TO BE BSI KITEMARKED OR HAVE EQUIVALENT THIRD PARTY CERTIFICATION.
 - PIPES MUST BE CAPABLE OF WITHSTANDING 4000 PSI JETTING PRESSURE, WITH EVIDENCE SUPPLIED TO THE ENGINEER PRIOR TO PROCUREMENT.

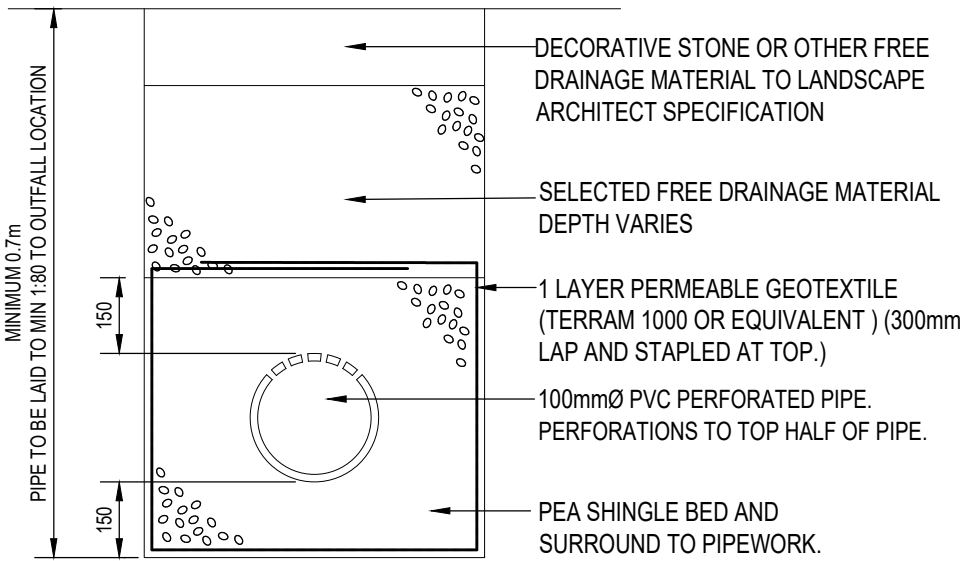
CLASS S PIPE BEDDING DETAIL

FOR PIPES WITH COVER FROM FINISHED SURFACE TO CROWN GREATER THAN 0.9m IN VEHICULAR AREAS OR GREATER THAN 0.6m COVER IN LANDSCAPED AREAS OR BENEATH BUILDINGS (1:20 AT A1)

NOTATION AS CLASS Z UNO

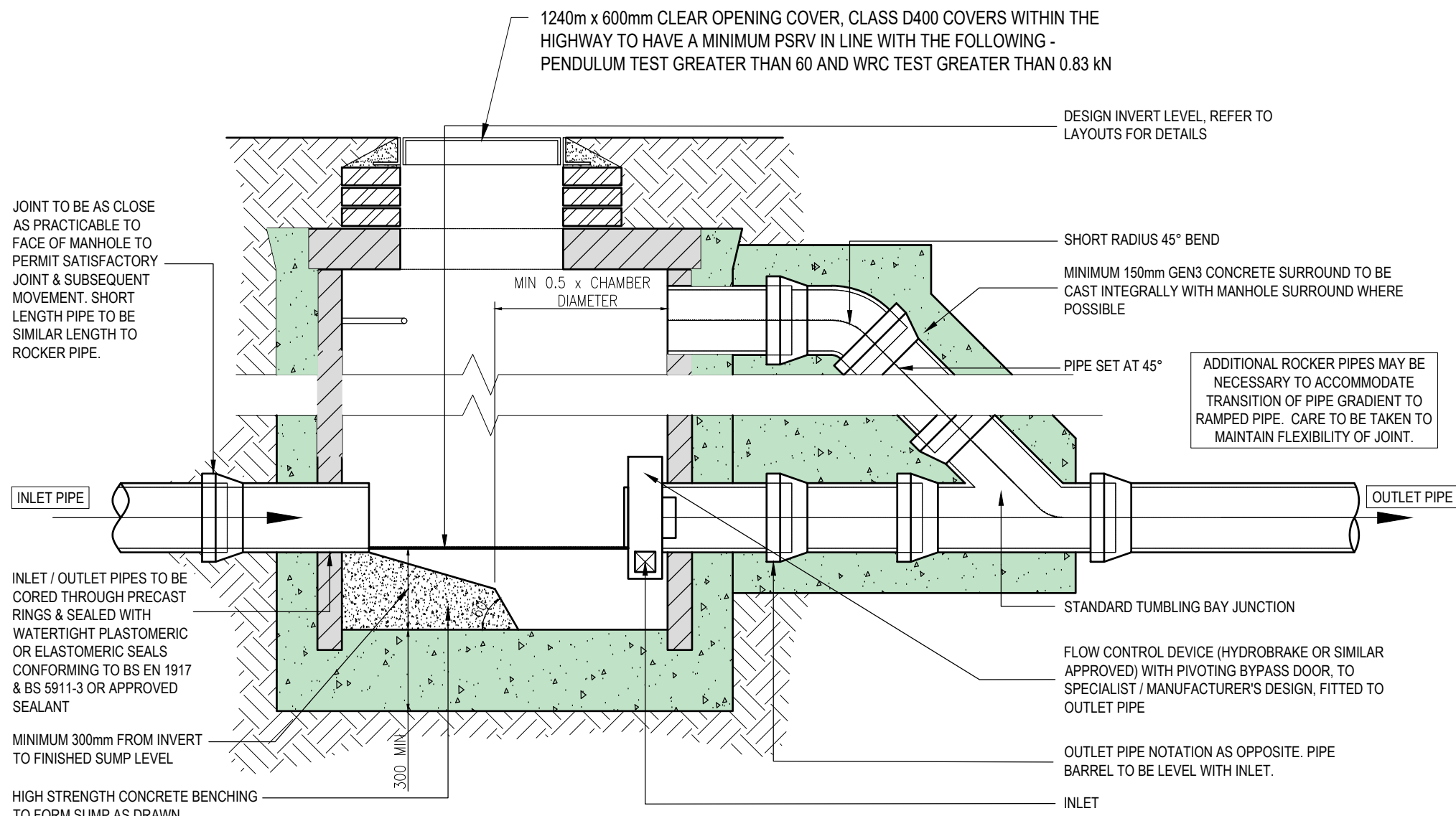
GRANULAR MATERIAL	
PIPE SIZE	AGGREGATE
100mm	10mm SINGLE SIZE
150mm	10 OR 14mm SINGLE SIZE OF 14-15mm GRADED
150-500mm	10,14,20mm SINGLE SIZE OR 20-25mm GRADED
600mm	10,14,20 OR 40mm SINGLE CRUSHED ROCK OR 40-50mm GRADED

ALL SURFACE WATER PIPES TO BE MINIMUM 150mm DIAMETER.
PLASTIC PIPES TO BE AS FOLLOWS UNLESS OTHERWISE AGREED WITH RIDGE:
150mm TO 300mm DIAMETER – POLYSEWER u-PVC
400mm TO 600mm DIAMETER – POLYPIPE RIDISEWER



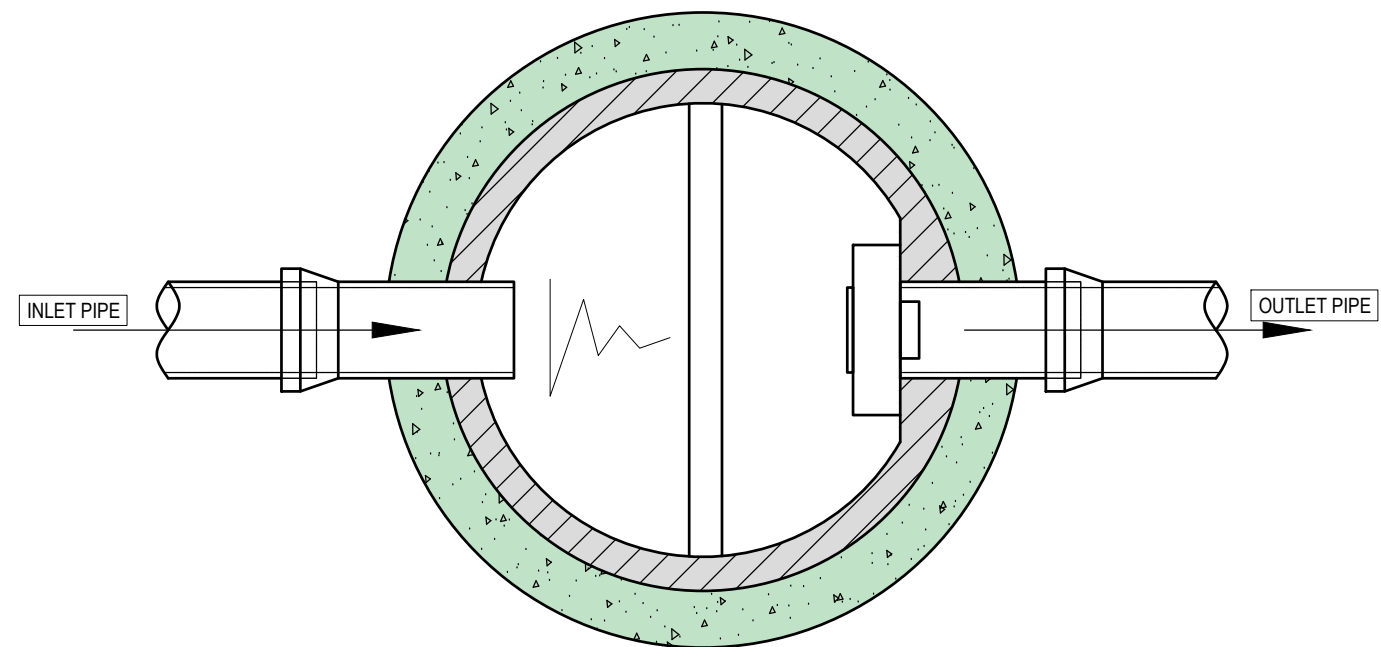
PERFORATED PIPE DETAIL

NTS



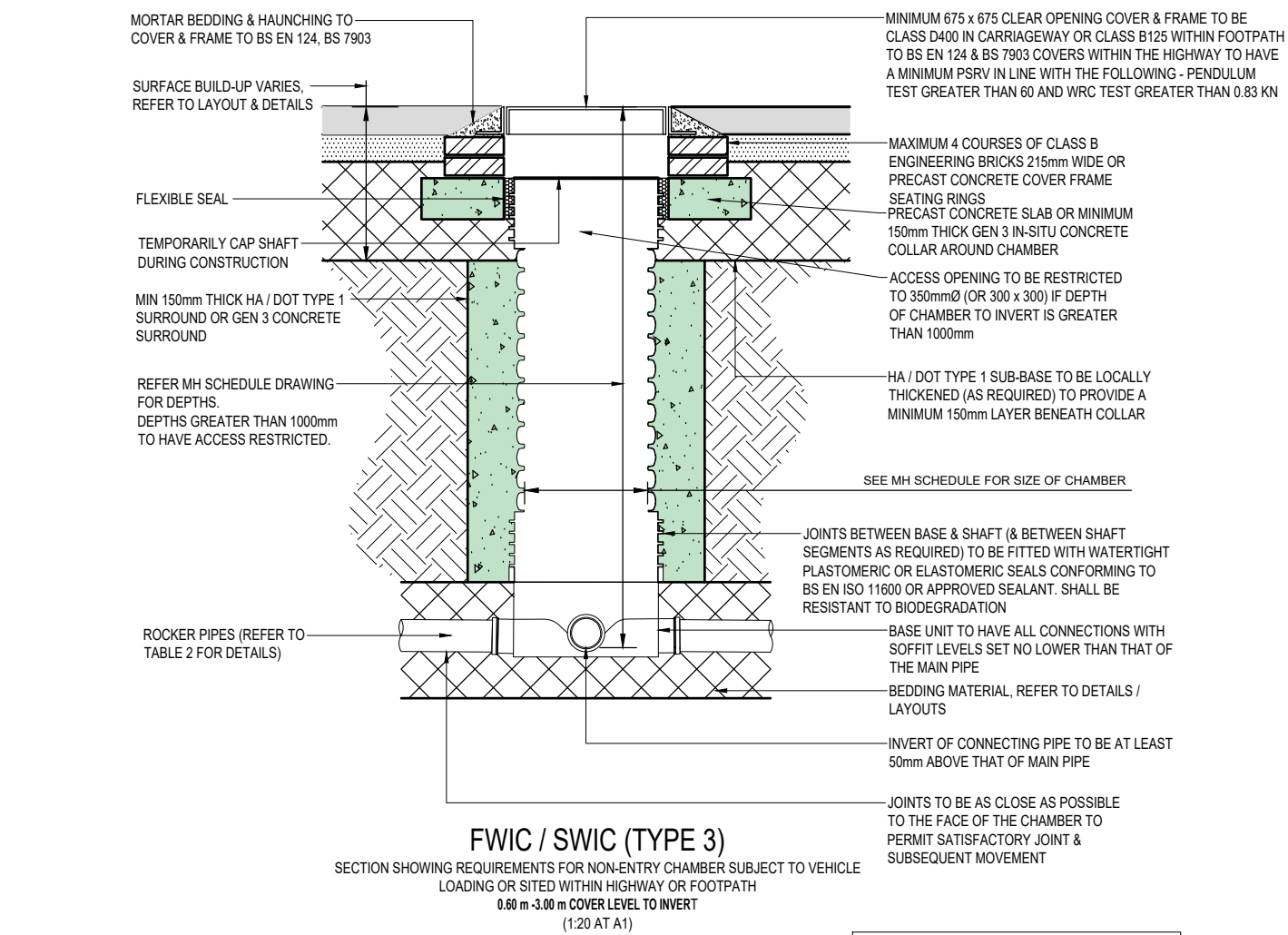
FLOW CONTROL MANHOLE

SECTION SIMILAR TO TYPE 1 / TYPE 2 MANHOLE
ADDITIONAL REQUIREMENTS FOR FLOW CONTROL MANHOLE SHOWN (1:20 AT A1)



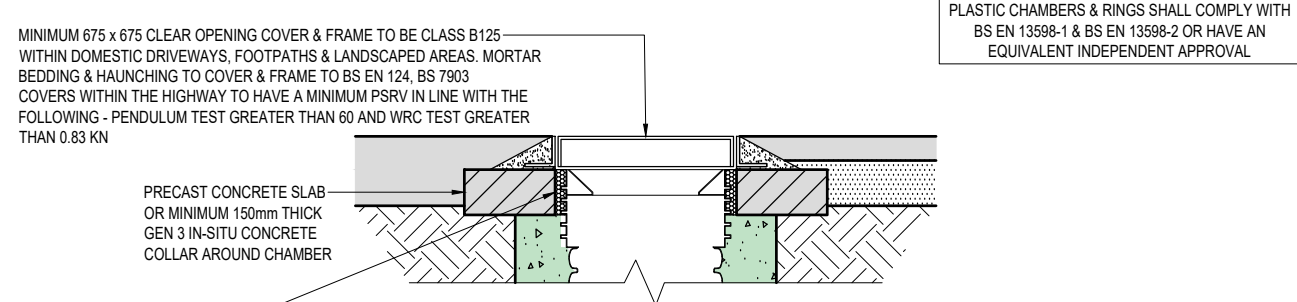
FLOW CONTROL MANHOLE

PLAN SIMILAR TO TYPE 1 / TYPE 2 MANHOLE
ADDITIONAL REQUIREMENTS FOR FLOW CONTROL MANHOLE SHOWN (1:20 AT A1)



FWIC / SWIC (TYPE 3)

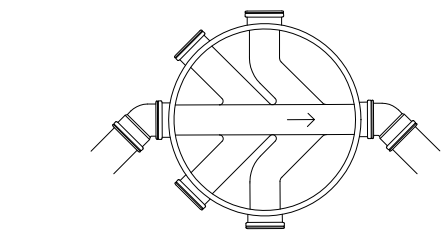
SECTION SHOWING REQUIREMENTS FOR NON-ENTRY CHAMBER SUBJECT TO VEHICLE LOADINGS OR SITED WITHIN HIGHWAY OR FOOTPATH
0.30 m - 2.00 m COVER LEVEL TO INVERT (1:20 AT A1)



FWIC / SWIC (TYPE 3)

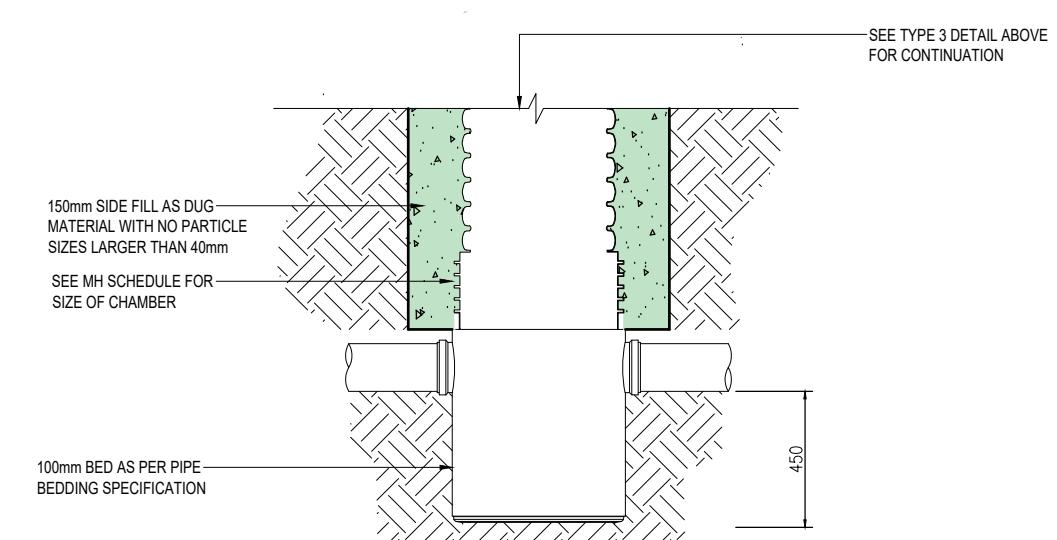
ALTERNATIVE CHAMBER HEAD CONSTRUCTION DETAIL WHERE SITED IN DOMESTIC DRIVEWAYS, FOOTPATHS & LANDSCAPED AREAS (1:20 AT A1)

NOTATION AS ABOVE UNLESS NOTED OTHERWISE



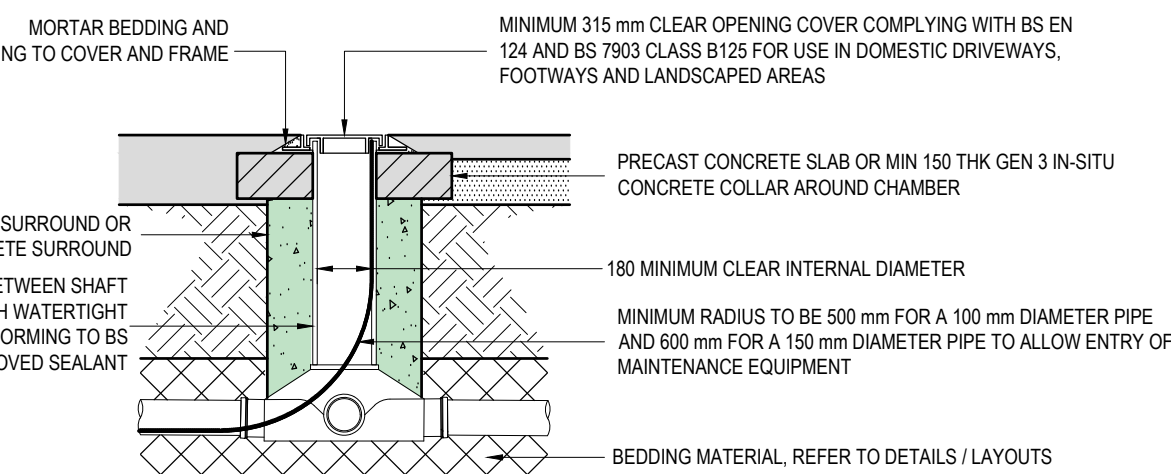
TYPICAL INSPECTION CHAMBER BASE

(MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 2.0m)
SCALE: 1: 20



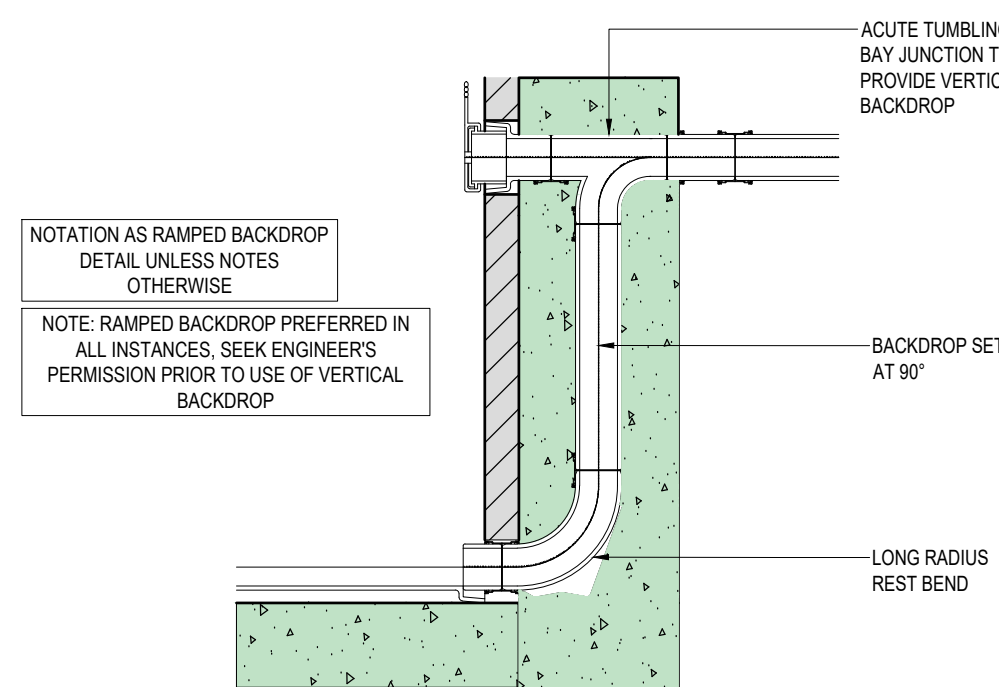
TYPE 3 CATCHPIT

(MAXIMUM DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3.0m)
SCALE: 1: 20



FWAC / SWAC (TYPE 4)

SECTION SHOWING REQUIREMENTS FOR NON-ENTRY ACCESS CHAMBER
0.30 m - 2.00 m COVER LEVEL TO INVERT (1:20 AT A1)



VERTICAL BACKDROP

DETAIL SHOWING VERTICAL BACKDROP REQUIREMENTS (1:20 AT A1)

DIAMETER OF LARGEST PIPE IN MANHOLE (mm)	INTERNAL DIAMETER OF MANHOLE (mm)
150 - 375mm	1200
450	1350
455 - 525	1500
555 - 675	1500
690 - 900	1800

TABLE B.1 MANHOLE DIAMETER

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REV DESCRIPTION	DATE	DRAWN



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IN ASSOCIATION WITH:

PROJECT:
**ONE HORTON HEATH
SITE WIDE
INFRASTRUCTURE DELIVERY**

TITLE:
**DRAINAGE DETAILS
SHEET 2**

TECH:	CSE:	ICSE:	SCALE:	AS SHOWN	@	A1
CL			INITIAL ISSUE:	10/10/2024		

STATUS:
FOR APPROVAL

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