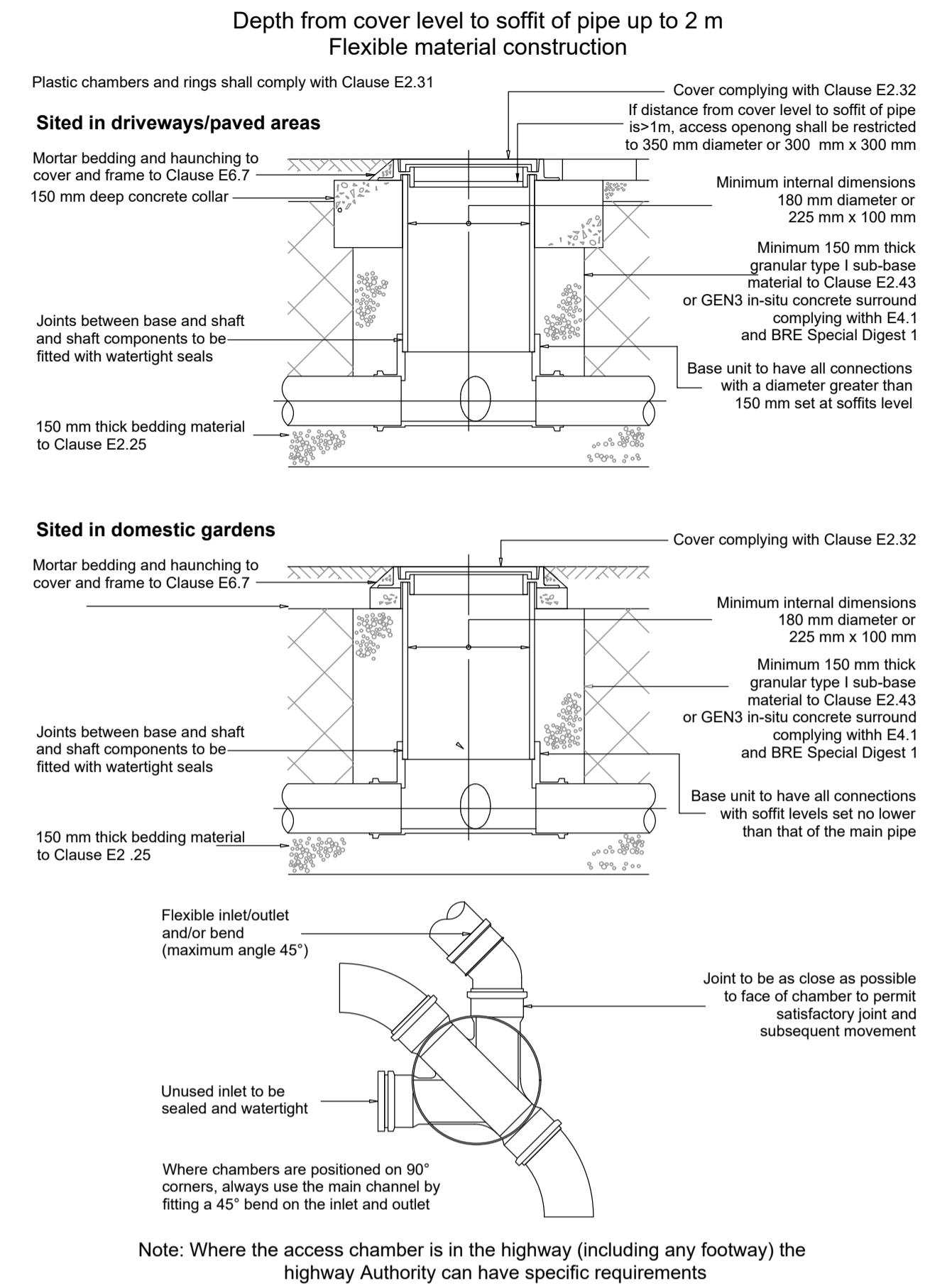
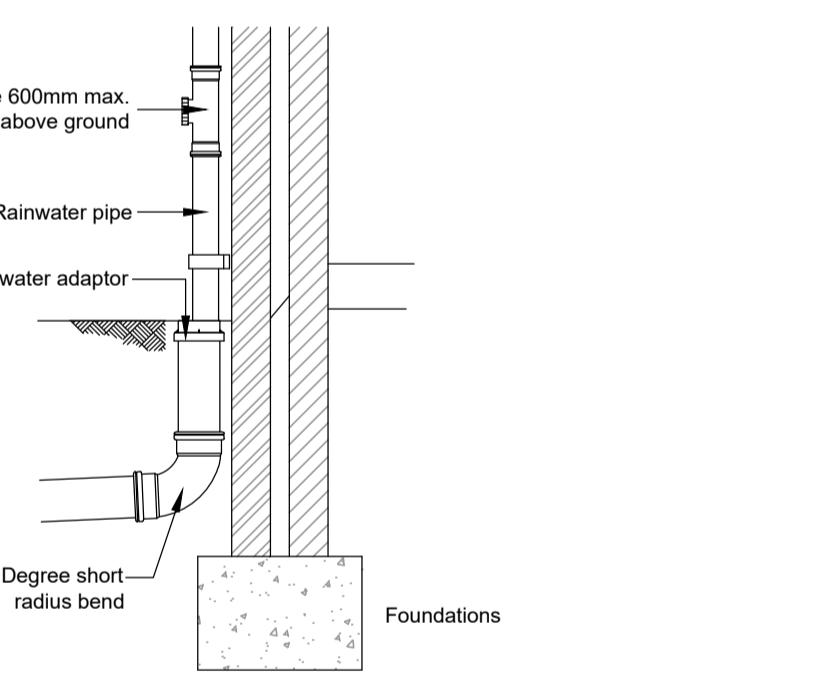


FIGURE B 23
TYPICAL INSPECTION CHAMBER DETAIL - TYPE E



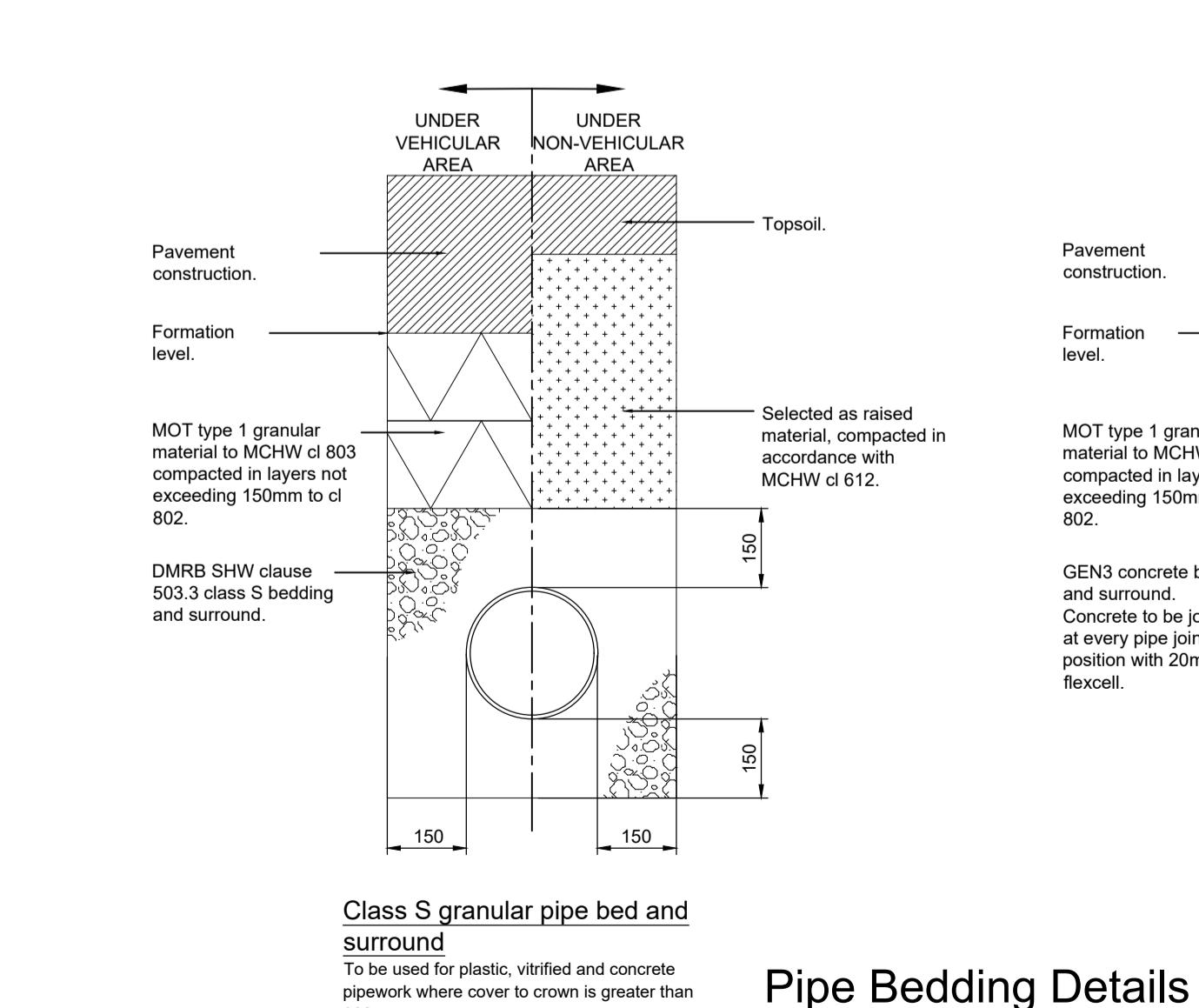
Note: Where the access chamber is in the highway (including any footway) the highway Authority can have specific requirements

Not to scale



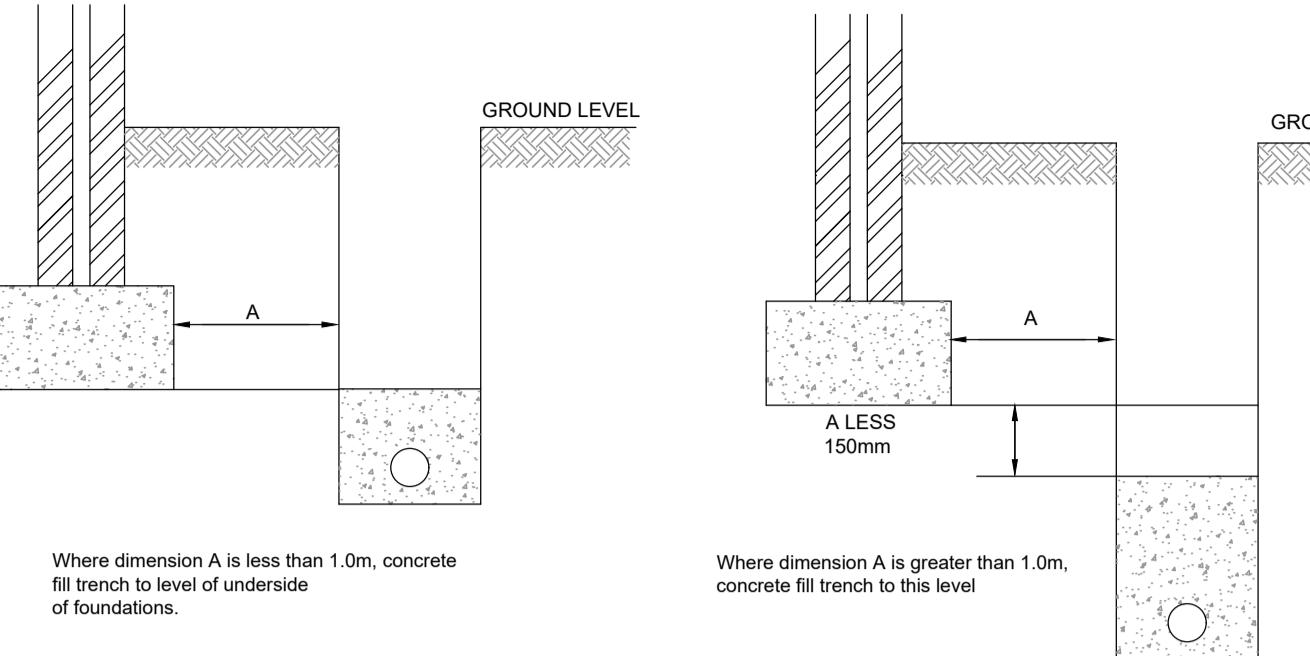
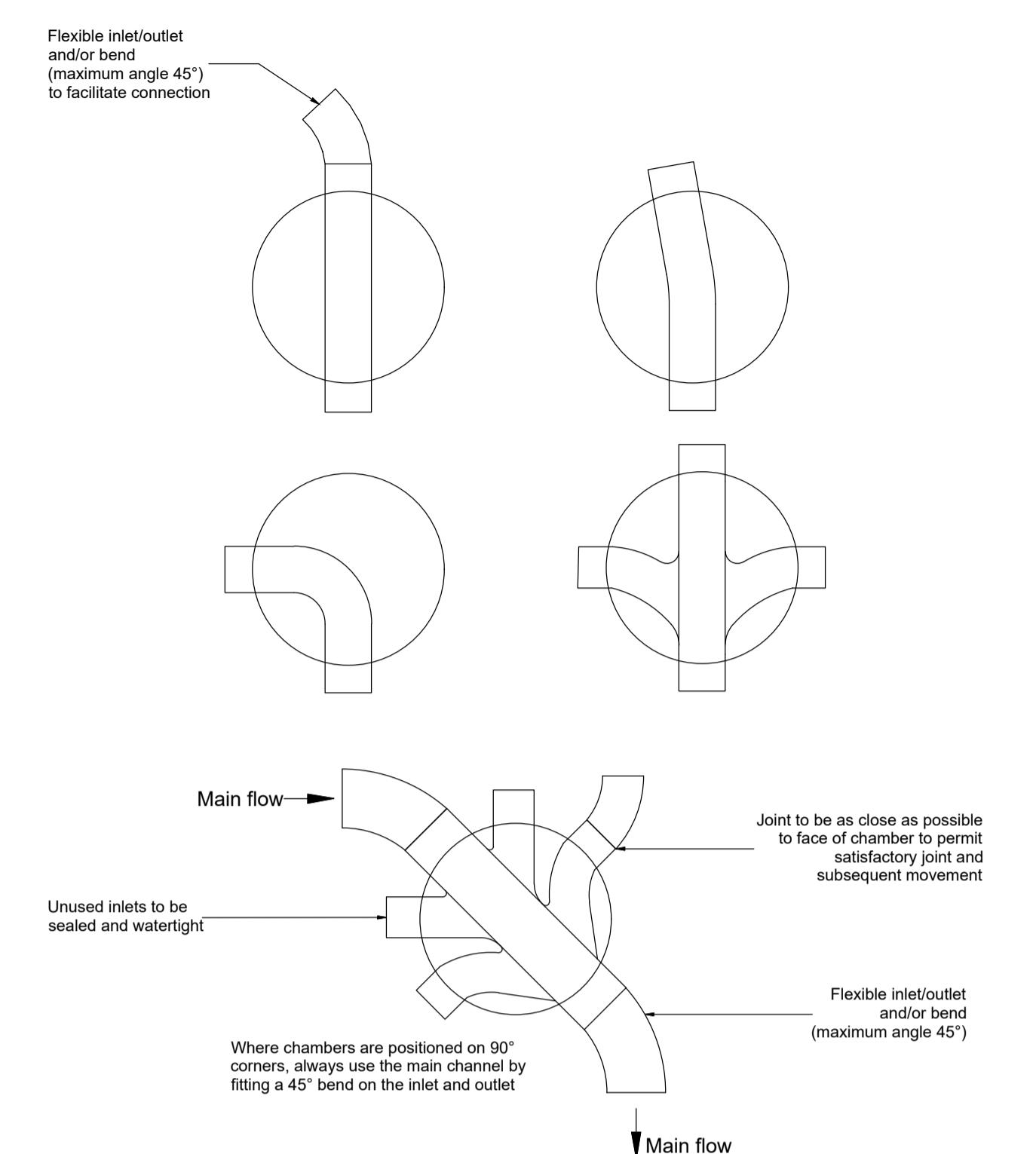
External Rainwater Pipe to Drain

1:20



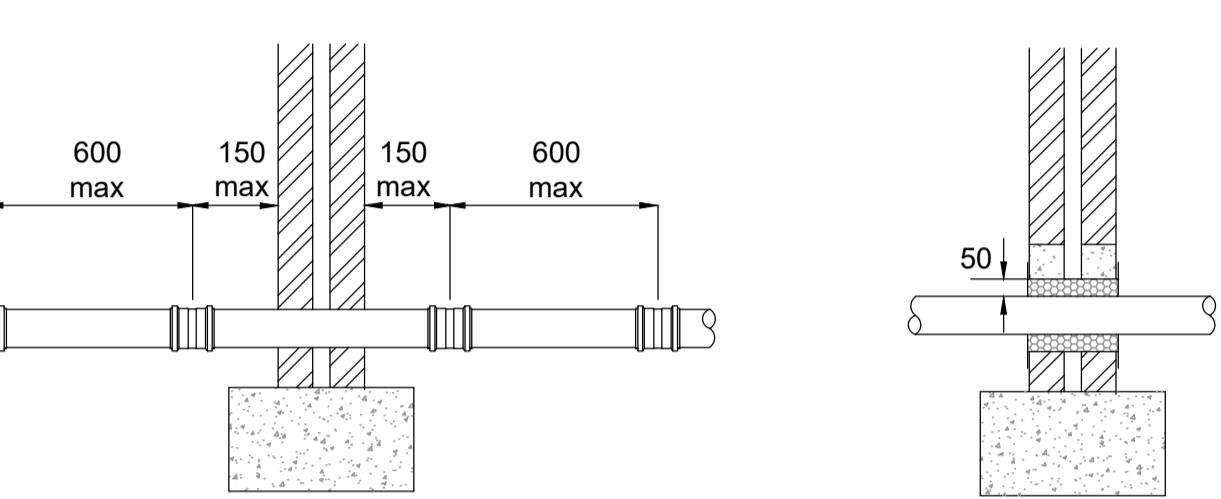
Pipe Bedding Details

FIGURE B 22
TYPICAL BASE LAYOUTS FOR TYPE D CHAMBERS

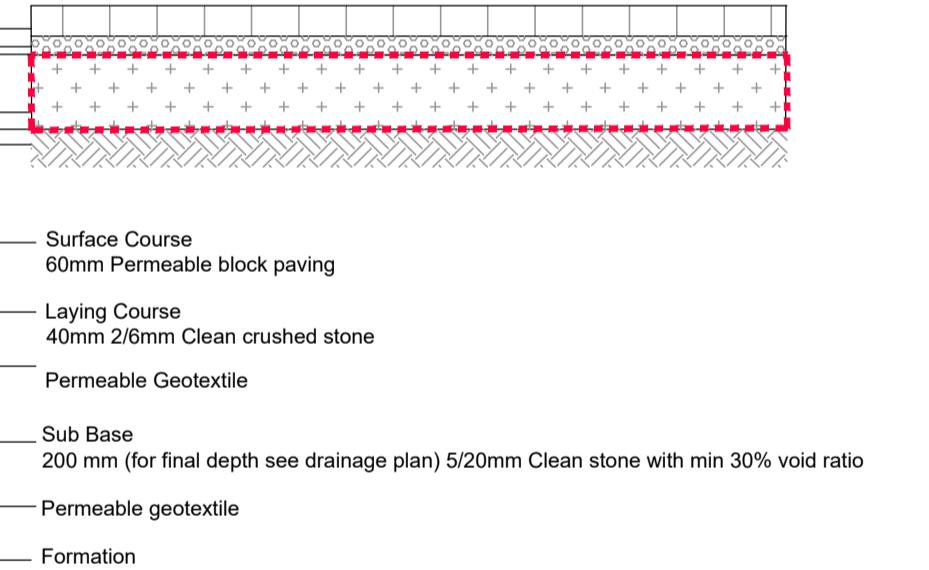


Pipes near buildings

Pipes near buildings

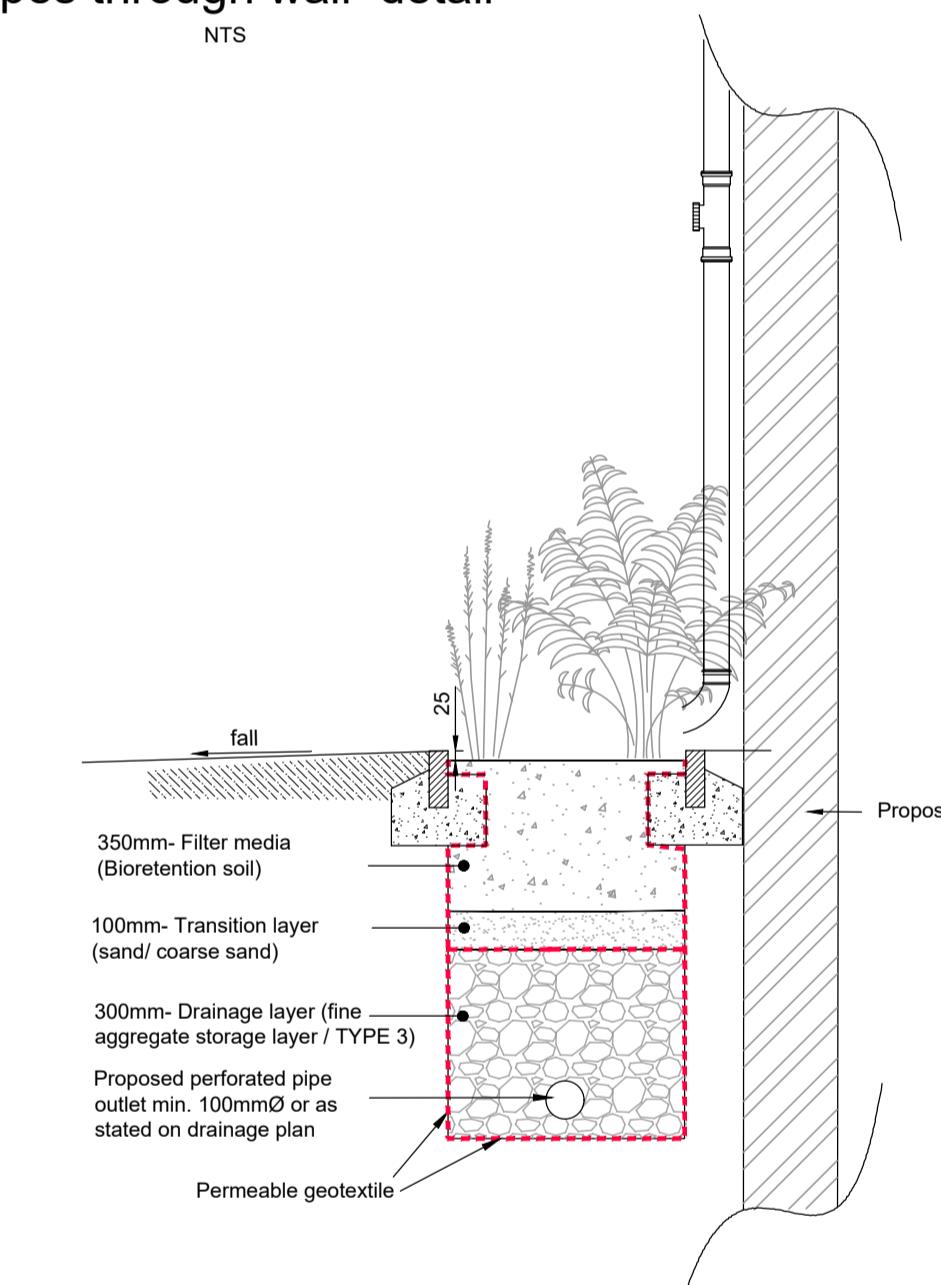


Pipes through wall detail



Proposed Permeable Patio Construction (PP2)

(Design based on assumed CBR > 3%)
(Final subbase depth subject to CBR test)

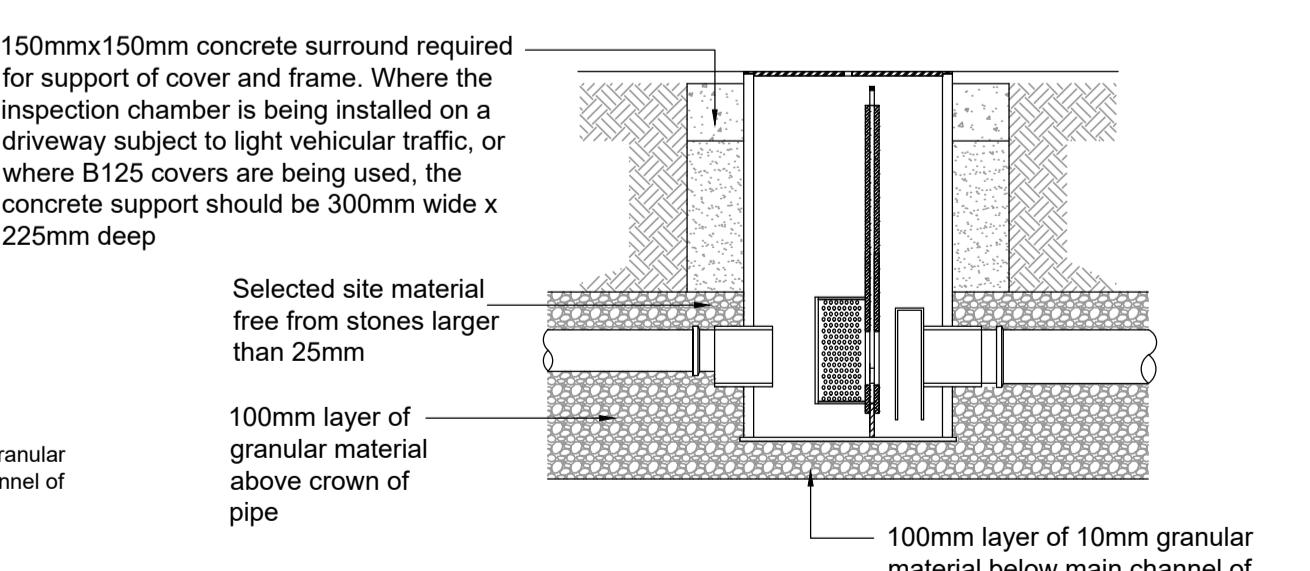


Proposed Bio-retention Unit Typical Detail
(Scale 1:20)

460mmØ Polypipe basic silt trap detail

SCALE 1:20

SCALE 1:20



Conraflow 500 with foul air trap

SCALE 1:20

STANDARD DRAINAGE NOTES

- DO NOT SCALE FROM THIS DRAWING, REFER TO FIGURED DIMENSIONS ONLY. THE CONTRACTOR SHOULD CHECK ALL DIMENSIONS ON SITE.
- ALL DIMENSIONS IN MILLIMETRES AND ALL LEVELS ARE IN METERS UNLESS NOTED OTHERWISE.
- THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT ARCHITECT AND ENGINEERING DETAILS, DRAWINGS AND SPECIFICATIONS.
- ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT AND/OR ENGINEER IMMEDIATELY, SO THAT CLARIFICATION CAN BE SOUGHT PRIOR TO THE COMMENCEMENT OF WORK.
- BEFORE COMMENCING CONSTRUCTION THE CONTRACTOR MUST CHECK THE INVERT LEVELS OF EXISTING SEWERS TO WHICH CONNECTIONS ARE MADE. IN ADDITION THE CONTRACTOR MUST LOCATE AND DETERMINE INVERT LEVELS OF THE EXISTING SPURS TO WHICH CONNECTIONS ARE PROPOSED. ANY DISCREPANCIES ARE TO BE NOTIFIED TO THE ENGINEER IMMEDIATELY, PRIOR TO CONSTRUCTION.
- ALL DRAINAGE WORKS SHOULD COMMENCE AT THE PROPOSED DOWNSTREAM INVERT LEVEL. WORKS CONTINUING DOWNSTREAM SHOULD LOWER CONSTRUCTION OF NEW INVERT LEVELS TO THE ENGINEER'S CONNECTIONS TO MANHOLES OR LARGER SIZED PIPES ETC. SHOULD BE SOFTEN TO SOFFIT UNLESS OTHERWISE INSTRUCTED BY THE ENGINEER. IF THIS IS NOT POSSIBLE INFORM THE ENGINEER IMMEDIATELY.
- COVER LEVELS SHOWN ARE APPROXIMATE. COVERS AND FRAMES SHALL BE SET TO FINISHED GROUND LEVELS AND FALLS.
- ALL UN-REFERENCED PIPES ARE TO BE 100mm DIA.
- ALL PIPES TO BE ADOPTED, OR CONNECTING TO ADOPTED SEWERS, TO BE VITRIFIED CLAY TO BS EN 295 AND BS65 (SWS ONLY), OR CONCRETE PIPES TO BE EN 1916 AND BS3911:PART 1.
- ROAD GULLY OUTLET PIPES ARE TO BE 150mm DIA. WITH CONCRETE SURROUND AND FLEXIBLE JOINTS. GULLIES SHALL BE TRENCHED WITH GRANULAR GRATING AND FRAMES TO BS EN 1260 UNLESS OTHERWISE STATED.
- ADOPTABLE SEWERS SHALL BE CONSTRUCTED TO THE STANDARDS AND SPECIFICATION LAID DOWN IN DOWNTOWN FOR ADOPTION 6TH EDITION, WITH A VIEW TO ADOPTION UPON COMPLETION OF WORKS.
- ALL PRIVATE DRAINAGE TO BE IN ACCORDANCE WITH THE BUILDING REGULATIONS APPROVED DOCUMENT PART-H, AND TO THE SATISFACTION OF THE BUILDING CONTROL INSPECTOR.
- THE CONTRACTOR IS TO KEEP A RECORD OF ANY VARIATIONS MADE ON SITE, INCLUDING THE RELOCATION OF SEWERS OR DRAINS, SO THAT AN AS CONSTRUCTED DRAWING CAN BE PREPARED UPON COMPLETION OF THE PROJECT.
- STUB CONNECTIONS TO ADOPTABLE MANHOLES SHALL BE MADE FROM VITRIFIED CLAY AND CONSIST OF TWO ROCKER PIPES LAID AT THE SAME GRADIENT AS THE UP OR DOWNSTREAM PIPE.
- IF ANY SUB SOIL DRAINAGE SYSTEMS ARE UNCOVERED DURING THE WORKS CONTACT THE ENGINEER FOR INSTRUCTIONS. SUB SOIL DRAINS ARE TO BE DIVERTED AROUND NEW WORKS AND CONNECTED INTO THE SURFACE WATER.
- NO PRIVATE AREAS ARE TO DRAIN ONTO ADOPTABLE AREAS AND VICE VERSA.
- ALL EXISTING MANHOLE COVERS, GULLIES, ETC, ARE TO BE RAISED/LOWED TO SUIT NEW LEVELS.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONFIRM THE LOCATION AND DEPTH OF ALL EXISTING SERVICES AND UTILITIES THAT MAY BE PRESENT.
- UPON COMPLETION BUT PRIOR TO HANDOVER, CONTRACTOR TO CARRY OUT FULL CCTV SURVEY OF DRAINAGE SYSTEM WHICH IS TO BE REVIEWED BY ENGINEER TO ENSURE SATISFACTORY INSTALLATION.
- PROPRIETARY PRODUCTS TO BE INSTALLED IN FULL ACCORDANCE WITH MANUFACTURER'S GUIDANCE.
- MANHOLE AND CHAMBER COVER GRADES:
- A15' IN ALL LANDSCAPED AREAS AND ON FOOTPATHS
- B125' IN ALL DRIVEWAYS
- C260' IN PRIVATE PARKING AREAS
- D400' IN CARRIAGEWAY/ACCESS ROAD



Prefixes to drawing numbers shall signify the following:-

PL = PLANNING	Shall not be used for contract or construction purposes
P = PRELIMINARY	Shall not be used for contract or construction purposes
T = TENDER	Shall not be used for construction purposes
C = CONSTRUCTION	These are the only drawings that shall be used for construction purposes
R = RECORD	Record of actual completed work

P-	31.12.25	PRELIMINARY ISSUE	KCK	CS	CS
REV	DATE	DESCRIPTION	BY	CHK	APP
cgs Consulting Civil Engineers					
CLIENT STEPHANIE NEWELL					
ARCHITECT MICHAEL BISSETT POWELL					
JOB TITLE GHYLL HOUSE FARM, COPSALE RH13 6QW					
DRAWING TITLE PROPOSED TYPICAL CONSTRUCTION DETAILS					
DRAWN	ENGINEER	CS	CHECKED	CS	APPROVED
KCK	CS	CS	CS	CS	CS
DATE	CS	AS SHOWN	SCALE @ A1		
JOB No.	STATUS	DRAWING No.	REV.		
C3929	P	501	P-		

FOR PLANNING ONLY