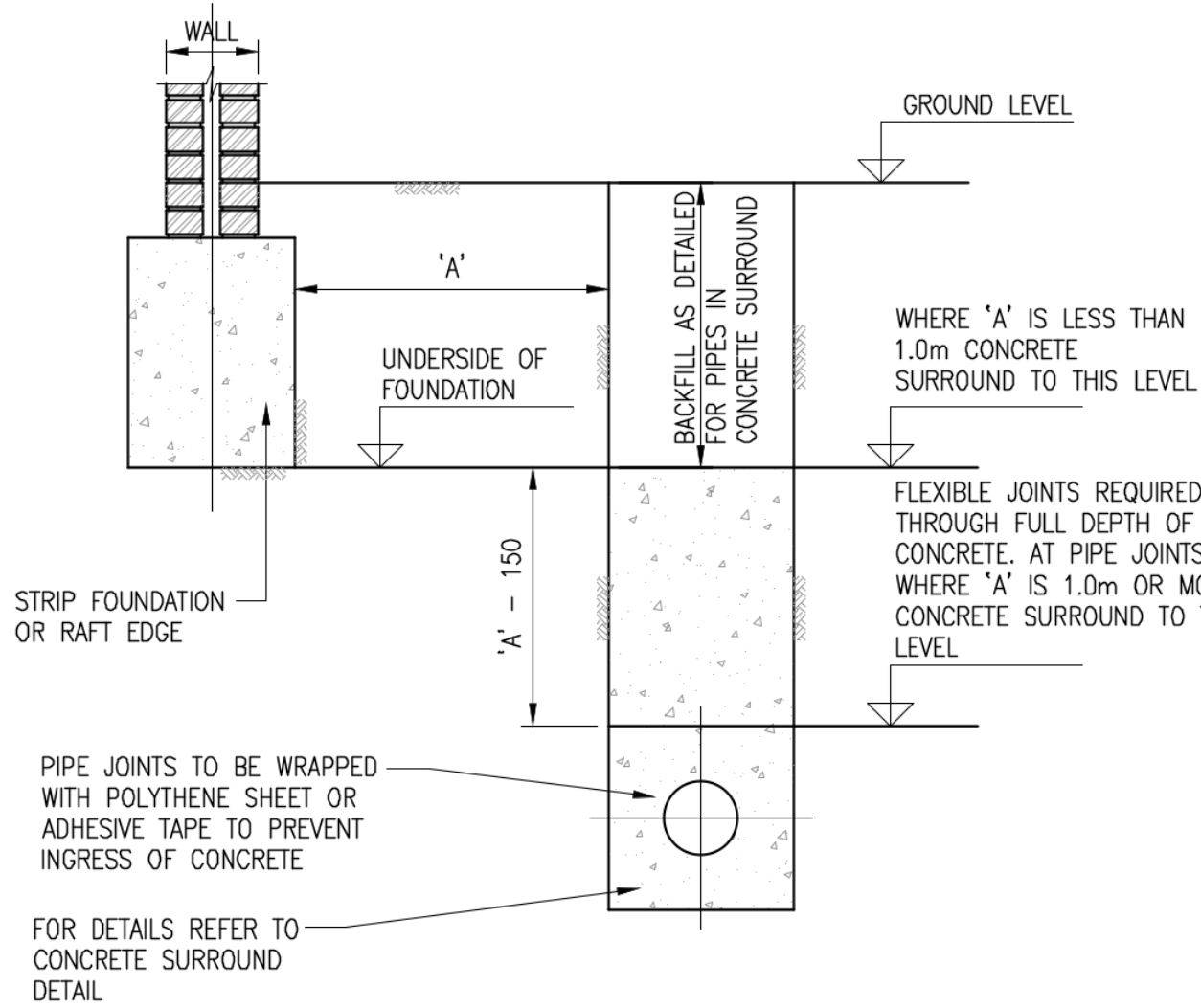
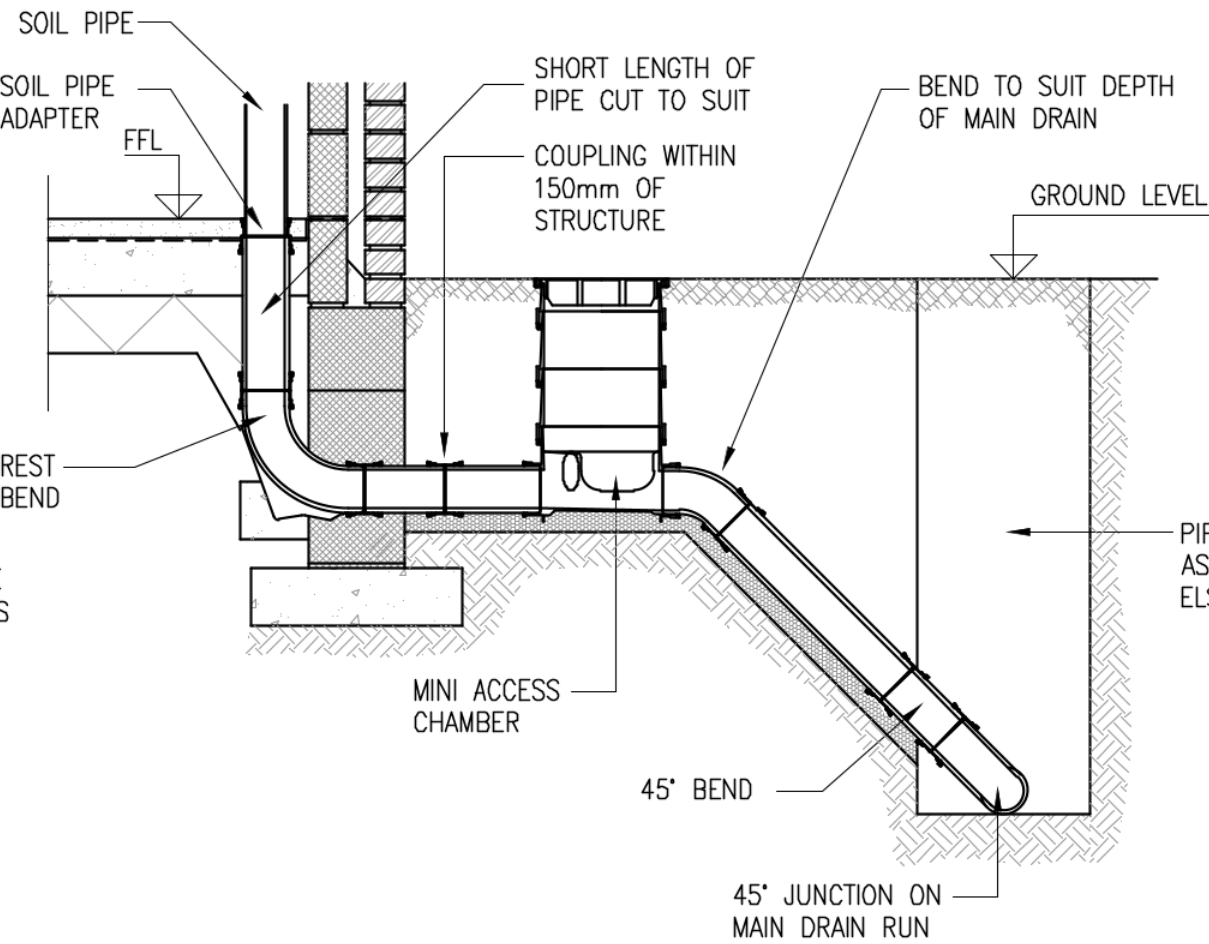
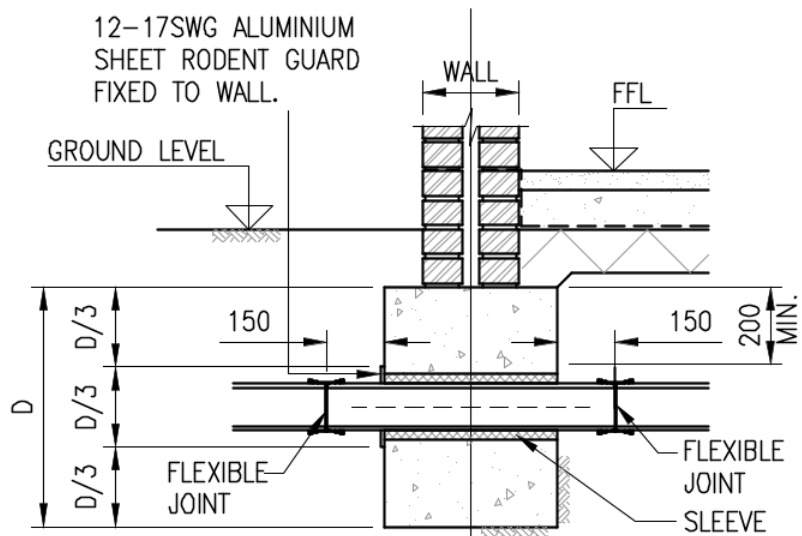




PIPE RUNS NEAR BUILDINGS
SCALE 1:20

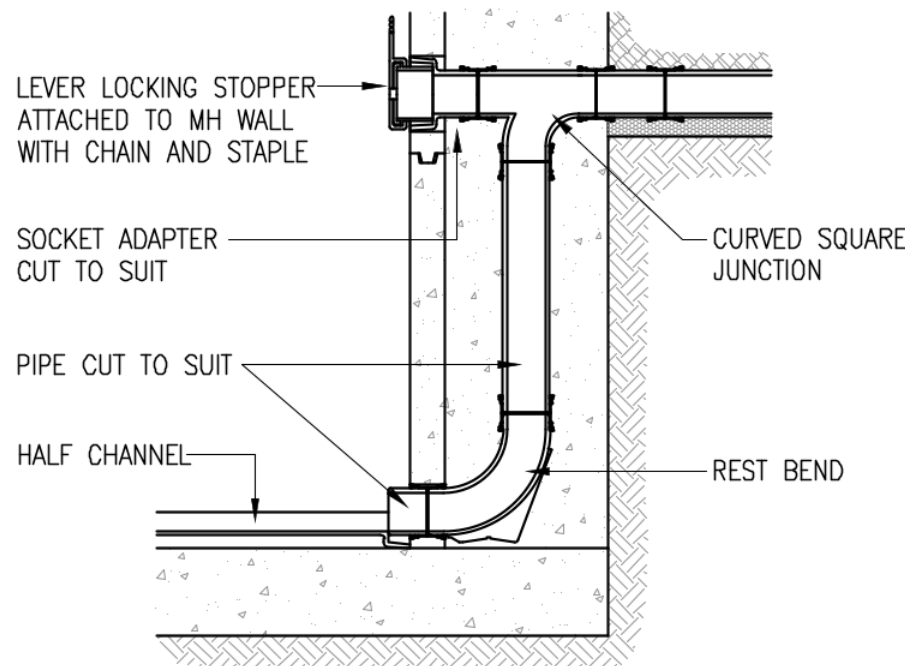


ACCESS CHAMBER CONNECTION TO MAIN DRAIN RUN
SCALE 1:20

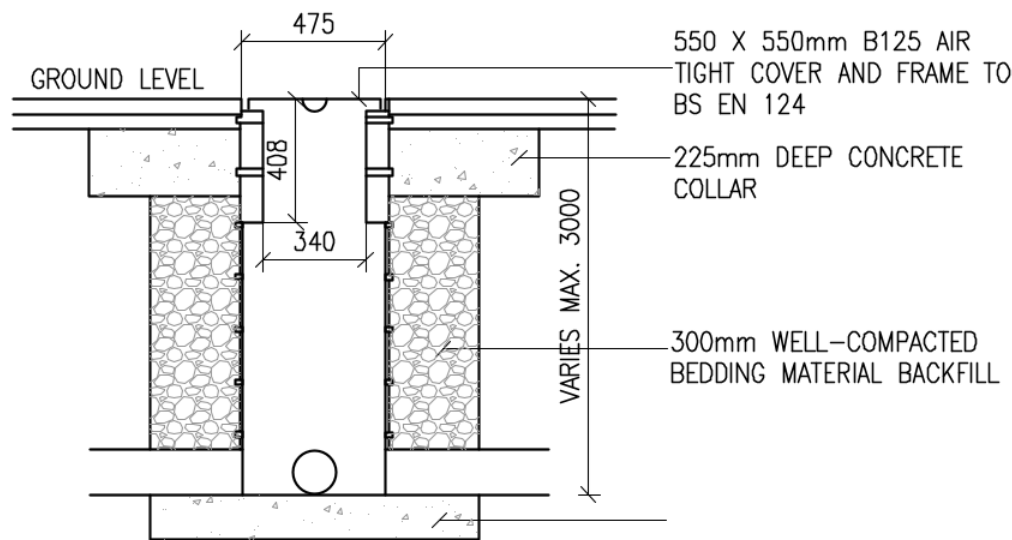


DRAIN SLEEVE/DUCT TO BE LOCATED WHOLLY WITHIN THE MIDDLE THIRD OF THE FOUNDATION DEPTH (D). THE ENGINEER IS TO BE ADVISED IF THIS IS NOT POSSIBLE. IN NORMAL SOIL CONDITIONS THE SLEEVE/DUCT IS TO GIVE A 25mm CLEARANCE ALL ROUND THE OUTSIDE OF THE DRAIN PIPE (THIS MAY BE ACHIEVED BY LIGHTLY PACKING THE SPACE WITH FLEXIBLE MATERIAL) MAXIMUM SLEEVE SIZE TO BE 300mm WITHOUT REFERENCE TO THE ENGINEER.

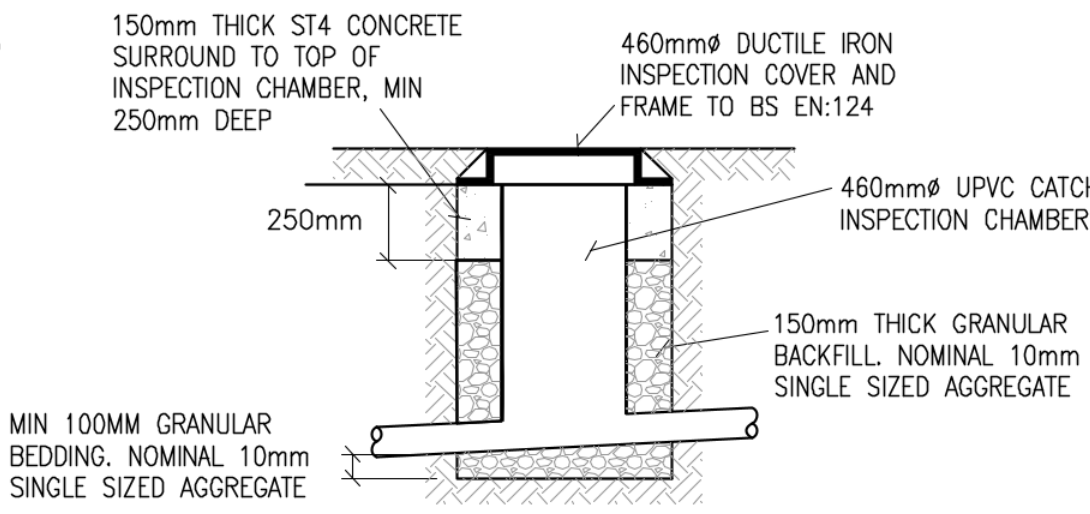
DRAINAGE THROUGH STRIP FOUNDATIONS
SCALE 1:20



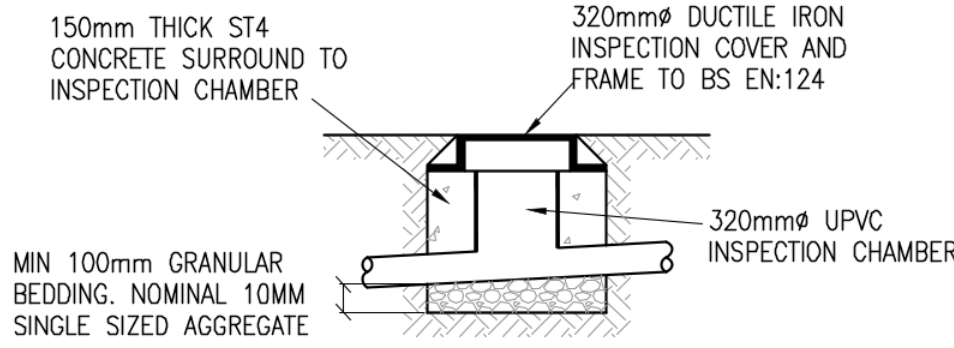
BACKDROP CONNECTION TO MANHOLE
SCALE 1:20



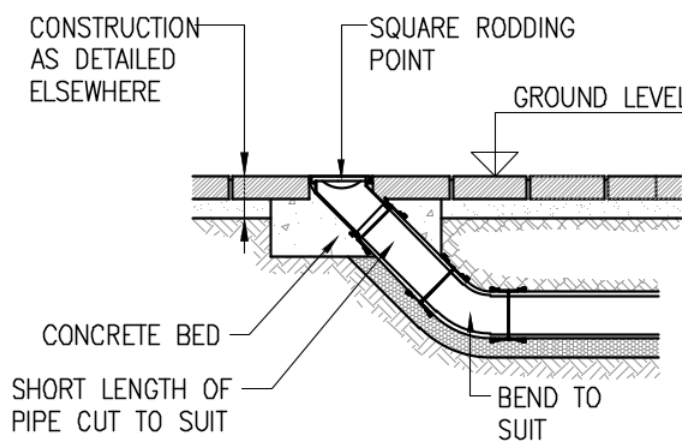
TYPICAL 475mm PPIC INSPECTION CHAMBER DETAIL
(1.2m OR DEEPER)
SCALE 1:25



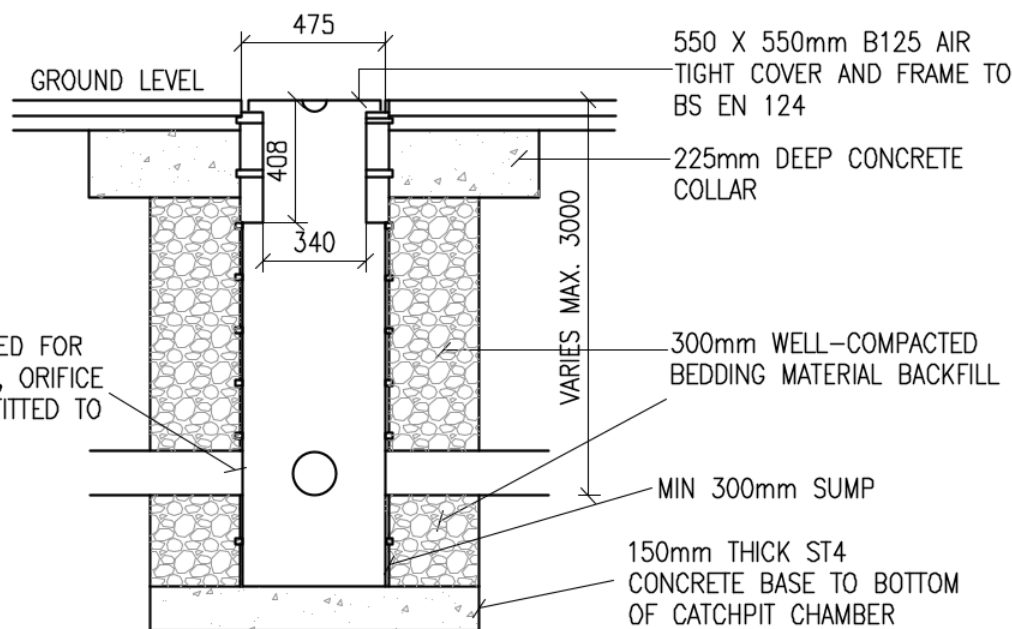
TYPICAL 460mm uPVC INSPECTION CHAMBER DETAIL
(0.6m TO 1.2m)
SCALE 1:25



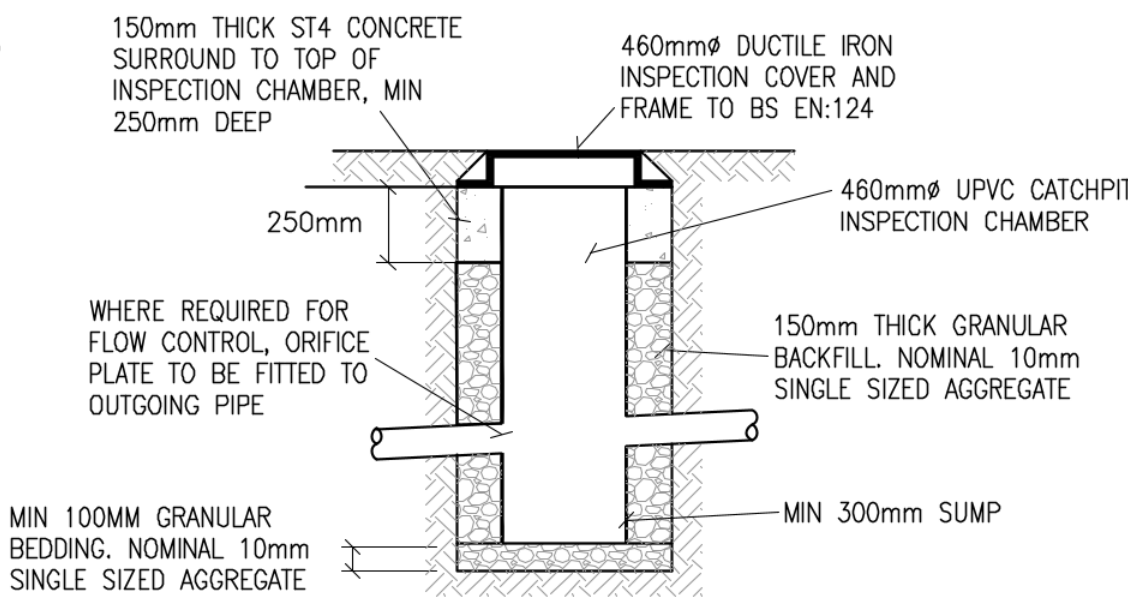
TYPICAL 320mm uPVC INSPECTION CHAMBER DETAIL
(LESS THAN 0.6m DEEP)
SCALE 1:25



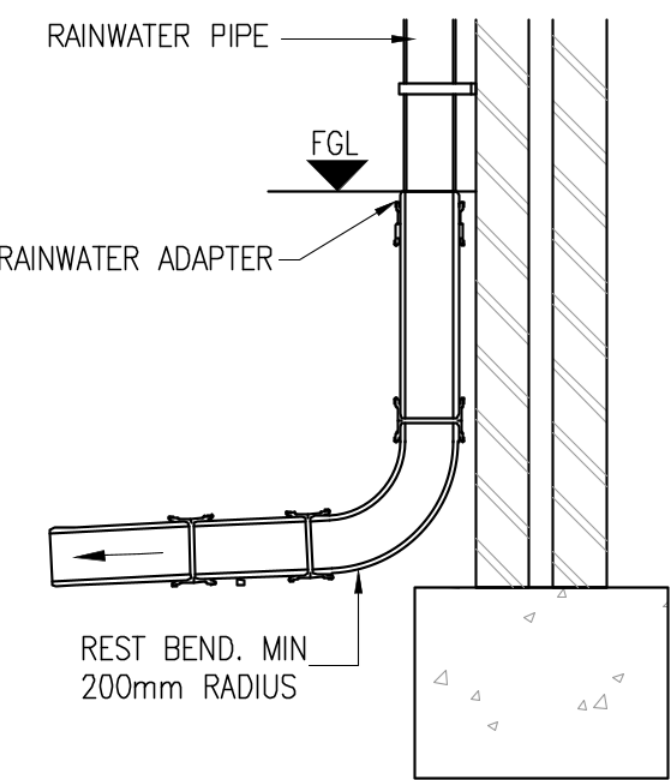
RODDING POINT
SCALE 1:20



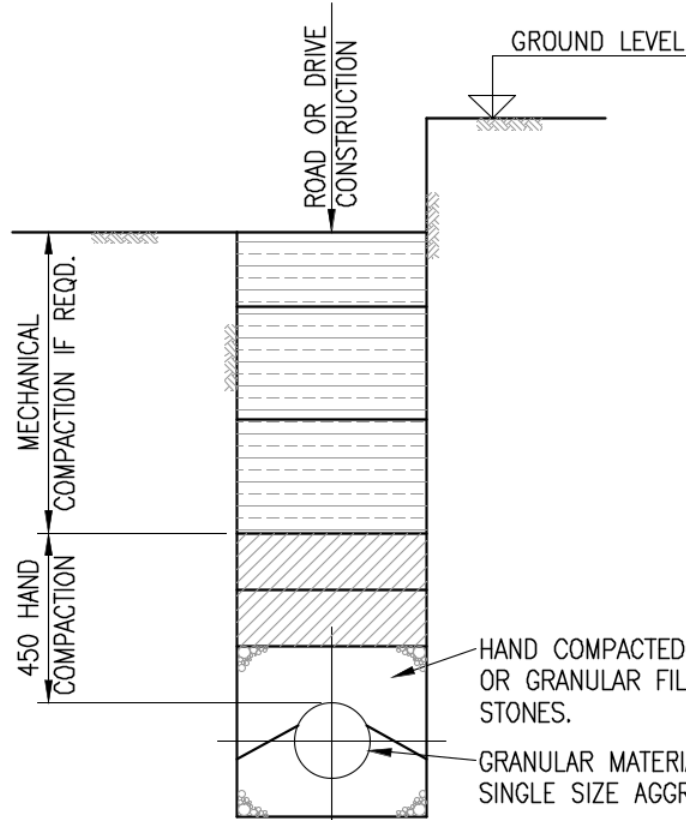
TYPICAL 475mm PPIC CATCHPIT CHAMBER DETAIL
(1.2m OR DEEPER)
SCALE 1:25



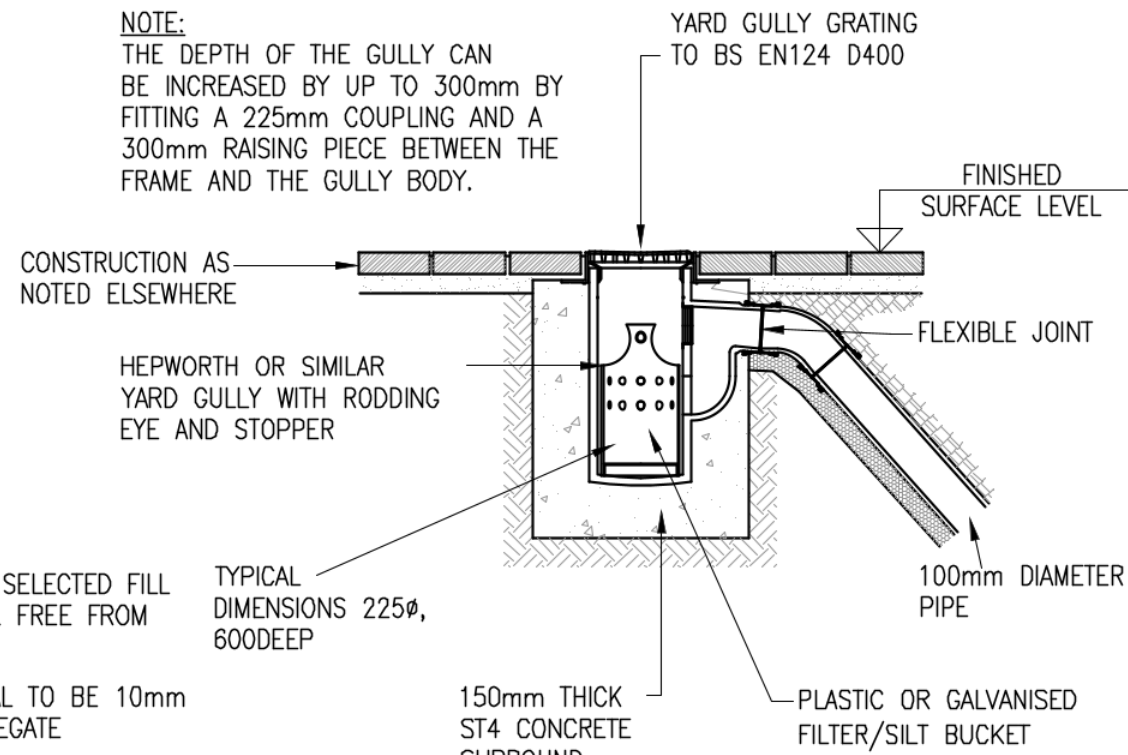
TYPICAL 460mm uPVC CATCHPIT CHAMBER DETAIL
(0.6m TO 1.2m)
SCALE 1:25



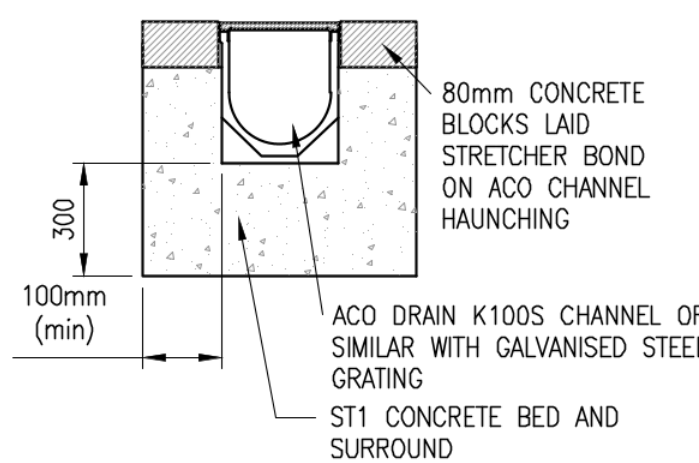
RAINWATER PIPE CONNECTION
NTS



NORMAL BEDDING
SCALE 1:20



YARD GULLY CONNECTION DETAIL
SCALE 1:20



PRIVATE DRIVE CHANNEL DRAIN
SCALE 1:20

NOTES:

1. DO NOT SCALE THIS DRAWING.

FORMATION OF TRENCH BEDS AND INSPECTION CHAMBERS

- EXCAVATE IMMEDIATELY BEFORE LAYING BEDS AND PIPES OR BASE SLABS FOR INSPECTION CHAMBERS.
- REMOVE ALL MUD, ROCK PROJECTIONS, BOULDERS AND HARD SPOTS AND REPLACE WITH WELL COMPACTED SELECTED FILL. LOCALISED SOFT SPOTS ARE TO BE HARDENED BY TAMPING IN GRANULAR BEDDING MATERIAL.
- IF OIL CONTAMINATION IS FOUND ADJACENT TO TRENCH, THE TRENCH PROFILE IS TO BE CUT BACK BY 150MM FROM THE FACE OF BEDDING MATERIAL AND REPLACED WITH CRUSHED CONCRETE.

COVERS AND FRAMES

ALL INSPECTION CHAMBER COVER AND FRAMES TO HAVE THE TOP SURFACE IN ALIGNMENT WITH BOTH THE LONGITUDINAL AND TRANSVERSE GRADIENTS OF ADJACENT ROADS, DRIVES, FOOTWAYS AND VERGES. THEY ARE OTHERWISE TO BE LAID LEVEL. ALL COVER LEVELS AS SHOWN ON THE DRAINAGE LAYOUT/LONGSECTION ARE APPROXIMATE. ACTUAL COVER LEVELS ARE TO BE DETERMINED ON SITE FROM THE POSITION IN THE ROAD, DRIVE, FOOTPATH OR OTHERWISE.

BRICKWORK AND PRE-CAST CONCRETE:

- PRIVATE DRIVES ACCEPTING VEHICLE TRAFFIC: BSEN124 CLASS D400 600MM CLEAR OPENING, SOLID TOP COVER AND FRAME.
- FOOTPATHS, VERGES AND GARDENS: BSEN124 CLASS B125, 600MM CLEAR OPENING, SOLID TOP COVER AND FRAME.
- POLYPROPYLENE:
- AREAS ACCEPTING VEHICLE TRAFFIC: CLASS B
- SOFT LANDSCAPED AREAS: CLASS C

PIPES TO BE AS FOLLOWS:

- 100 INTERNAL (110 NOM. DIA.) – UPVC
- 150 INTERNAL (160 NOM. DIA.)

THE CONTRACTOR/DEVELOPER IS TO ENSURE THAT ALL OF THE WORKS COMPLY WITH THE FOLLOWING:

- BS EN 752 (DRAIN AND SEWER SYSTEMS OUTSIDE BUILDINGS)
- THE BUILDING REGULATIONS: APPROVED DOCUMENT H 2000 (2002 REVISION)
- NHBC TECHNICAL REQUIREMENTS
- BRE SPECIAL DIGEST 1: 2005

THE STORAGE AND INSTALLATION OF ALL PROPRIETARY DRAINAGE ITEMS USED ARE TO BE STRICTLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.

A BRICK RELIEVING ARCH SHALL BE TURNED OVER ALL PIPES WHERE THEY PASS THROUGH THE WALLS OF A BRICK INSPECTION CHAMBER.

PIPES ENTERING INSPECTION CHAMBERS SHALL HAVE A FLEXIBLE JOINT WITHIN 150MM OF THE OUTER FACE OF THE BRICKWORK OR CONCRETE SURROUND.

FOLLOWING THE FLEXIBLE JOINT FROM EITHER A PRECAST OR BRICK INSPECTION CHAMBER(NOTE 7 ABOVE) A 'ROCKER' PIPE OF 600MM LENGTH SHALL BE INSTALLED.

WHERE PRECAST CONCRETE INSPECTION CHAMBERS ARE CONSTRUCTED WHOLLY ABOVE THE WATER TABLE, JOINTS SHALL BE SEALED WITH MORTAR. IN WATERLOGGED GROUND OR WHERE THE WATER TABLE IS ABOVE THE BASE SLAB, JOINTS SHALL BE WATER TIGHT USING A MASTIC SEALANT OR RUBBER RINGS OF A TYPE SUITABLE TO THE CHAMBER UNITS.

MORTAR

MORTAR SHALL BE MIXED ONLY AS AND WHEN REQUIRED, THE RELEVANT PROPORTIONS INDICATED IN THE FOLLOWING TABLE, UNTIL ITS COLOUR AND CONSISTENCY ARE UNIFORM. THE CONSTITUENT MATERIALS SHALL BE ACCURATELY GAUGED, ALLOWANCE BEING MADE FOR BULKING OF SAND.

B	CLIENT DETAILS AMENDED AND DRAWING STATUS CHANGED	DMH	PT	NB	09.02.24
A	CATCHPIT CHAMBERS ADDED	EM	NB	DMH	12.05.23
-	FIRST ISSUE	EM	NB	DMH	11.05.23
REV:	AMENDMENTS:	DRN	CHK	APP:	DATE:

PROJECT: SITE NORTH OF HEATH LANE SURGERY, WESTFIELD AVENUE EARL SHILTON

DRAWING TITLE: PRIVATE DRAINAGE CONSTRUCTION DETAILS

CLIENT: AVANT HOMES LTD

DRAWING NUMBER: 27695_02_080_03

REVISION: B SHEET SIZE: A1 SCALE: AS SHOWN

STATUS: FOR INFORMATION / APPROVAL

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