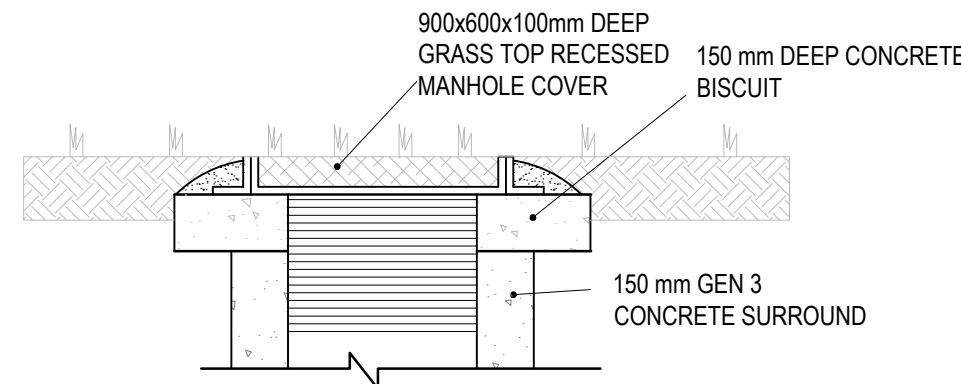
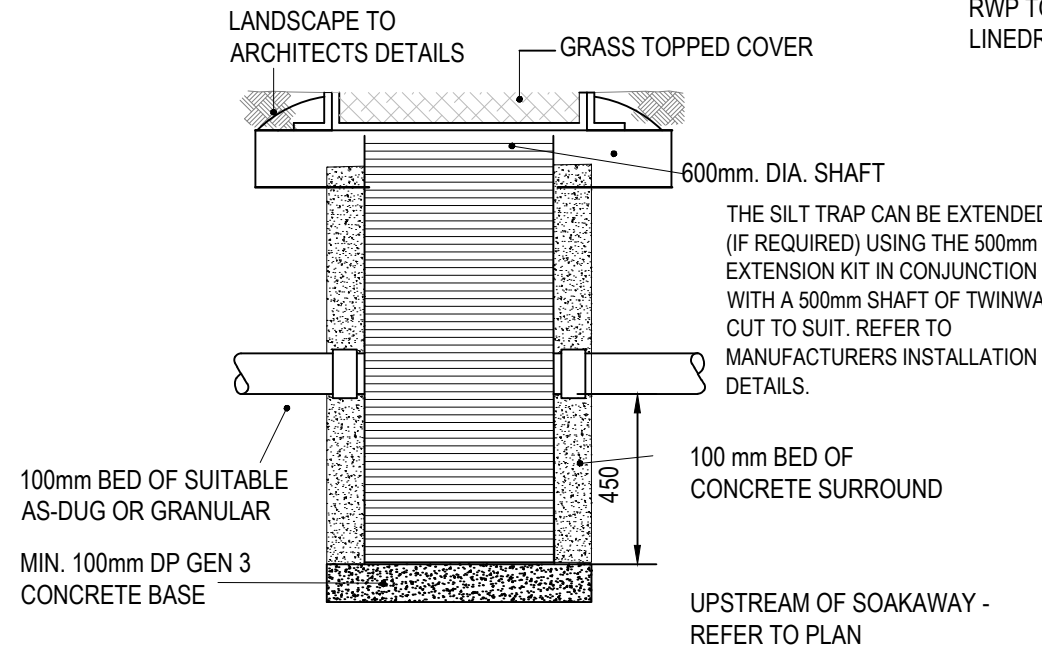
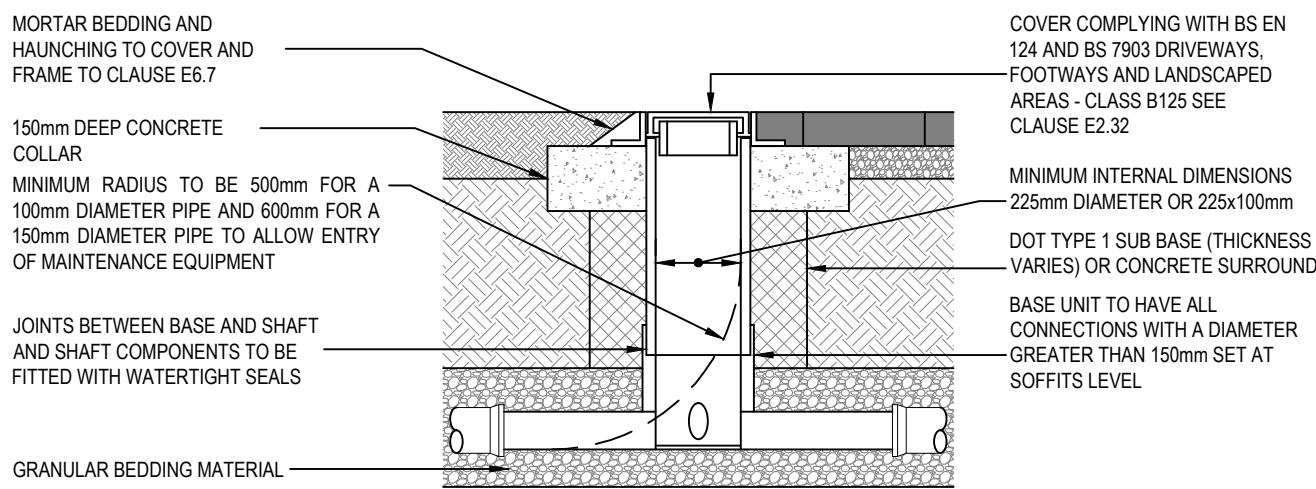




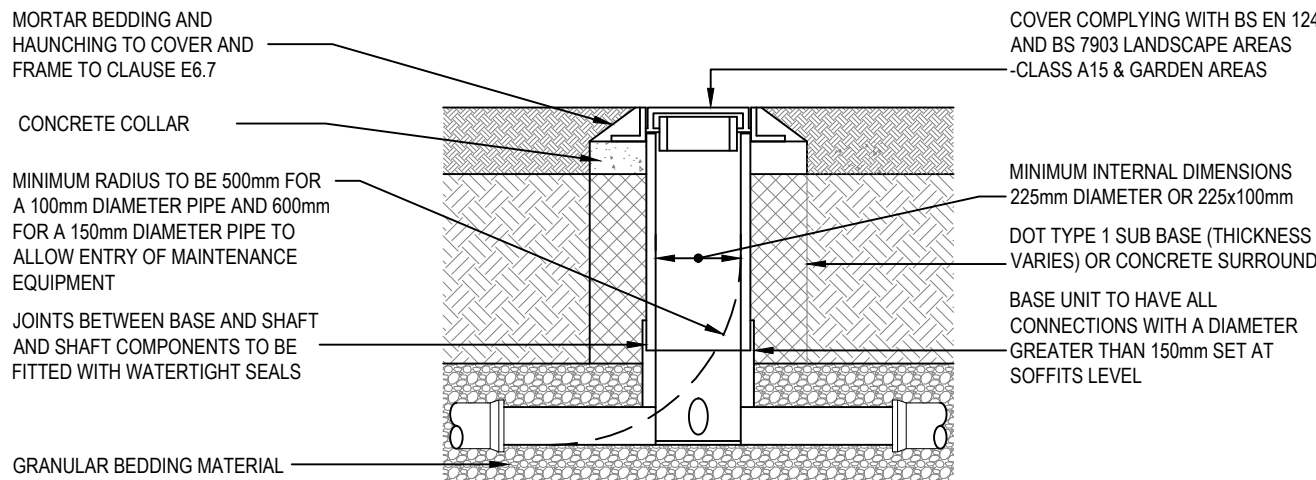
GRASS TOP SILT TRAP
COVER DETAIL
(CATCHPITS SWC01)



TYPICAL UPVC CATCHPIT
CHAMBER CONSTRUCTION



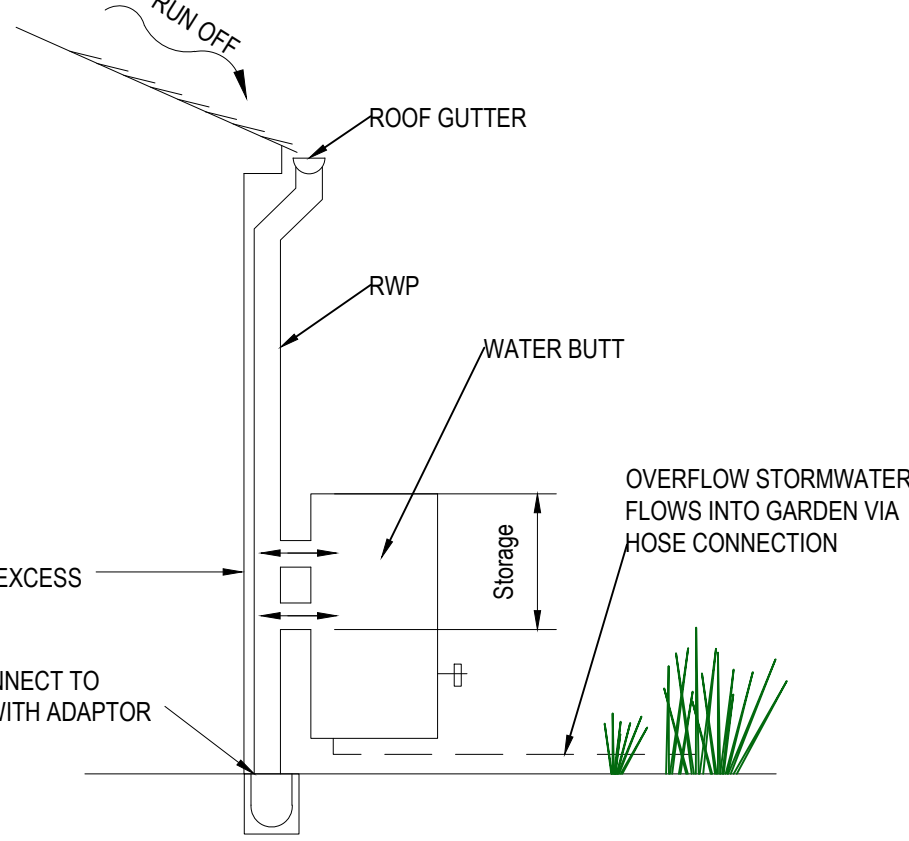
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4A
WITHIN PAVED AREAS



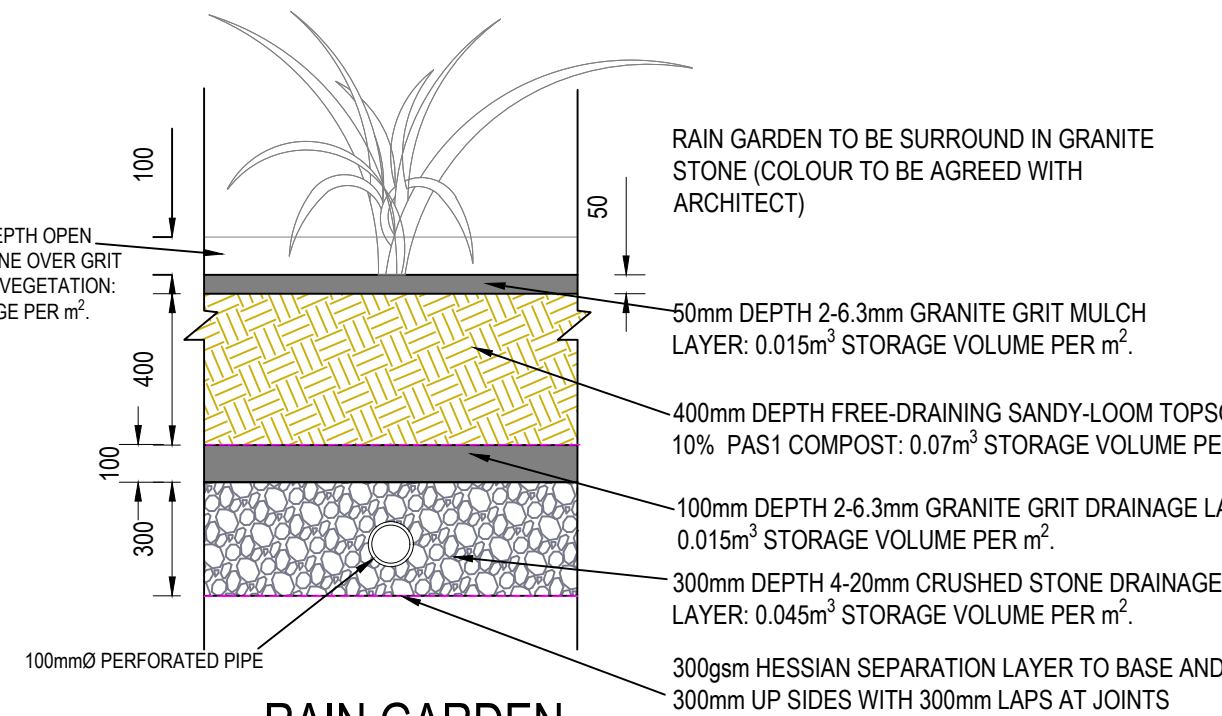
TYPICAL INSPECTION CHAMBER DETAIL - TYPE 4B
WITHIN LANDSCAPE AREAS

PIPE DIA.	ROCKER PIPE LENGTH
100 - 600	0.60m

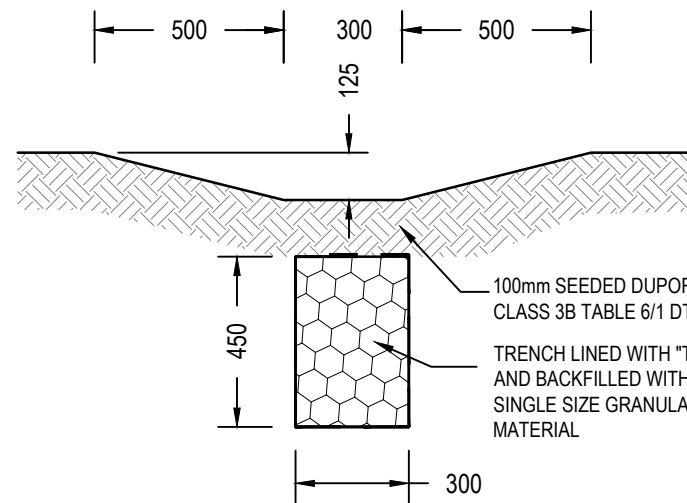
ROCKER PIPE DETAILS FOR
INSPECTION CHAMBERS,
MANHOLES & CATCHPITS



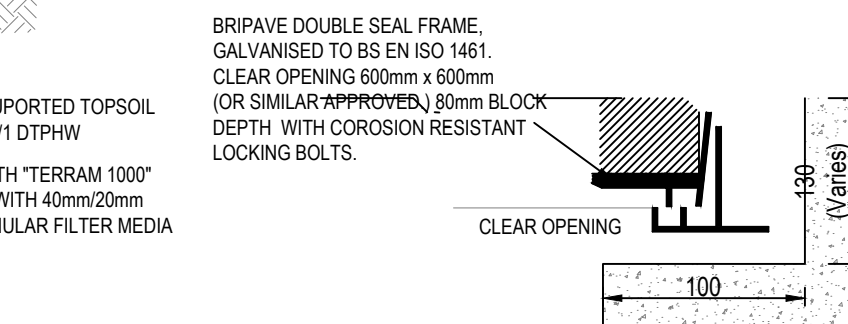
WATER BUTT PRINCIPAL



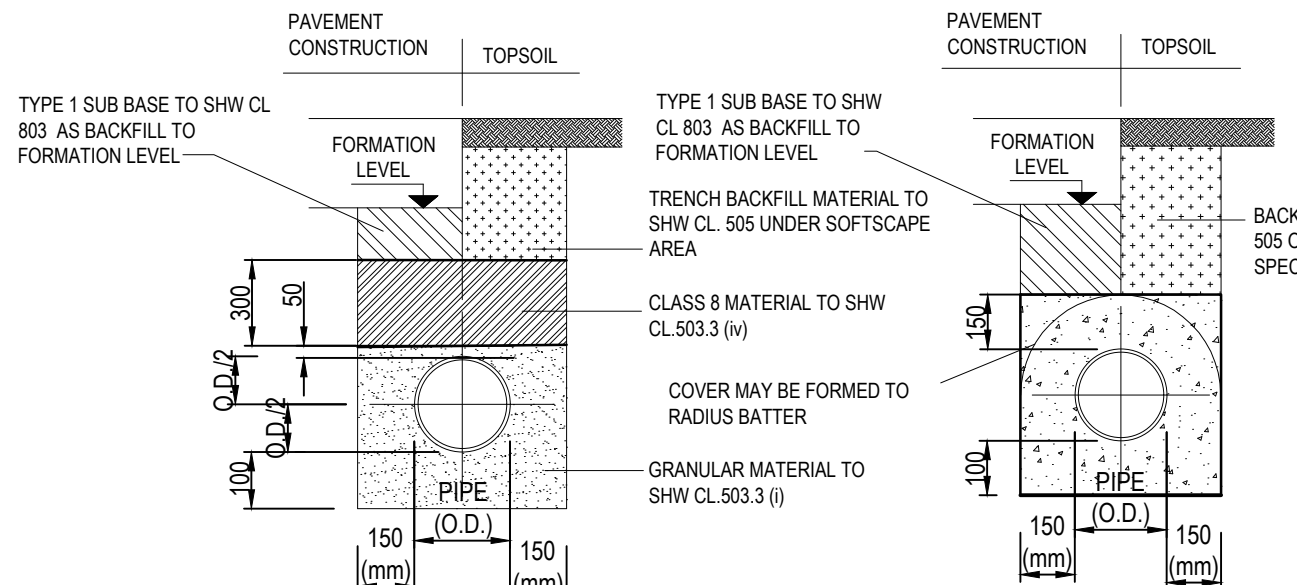
RAIN GARDEN
CONSTRUCTION DETAIL
SCALE 1:20



DETAIL Z
STONE TRENCH DETAIL



EXTERNAL RECESSED COVER
AND FRAME



TYPE S BEDDING

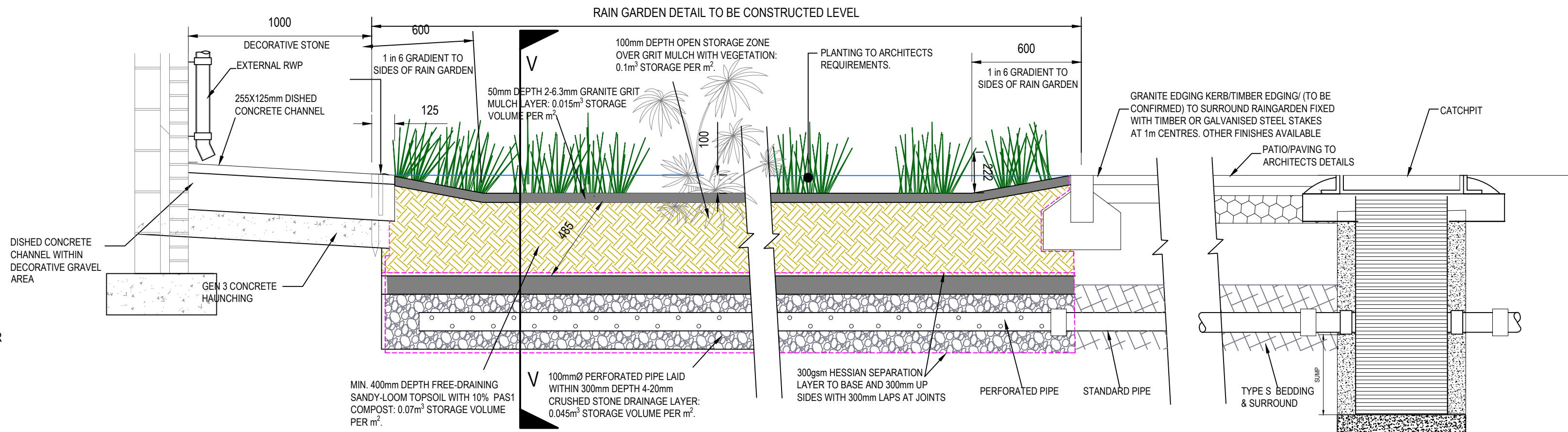
TYPE Z BEDDING

NOTES: (TYPE Z ONLY)
1. REFER TO SHW TABLE 53 AND SHW TABLE 61
2. BEDDING BENEATH AND AT SIDES OF THE PIPE TO BE WELL COMPACTED IN ACCORDANCE WITH CL 505
3. CONCRETE CRADLES AND ARCHES MAY BE EXTENDED TO THE SIDES OF THE TRENCH
4. GEOTEXTILES MAY BE USED WHERE DIRECTED OR APPROVED BY THE ENGINEER TO CONTAIN BEDDING MATERIAL IN CERTAIN SOILS E.G. RUNNING SAND
5. IN VERY WET CONDITIONS, WHERE DIRECTED OR APPROVED BY THE ENGINEER A TEMPORARY LAND DRAIN MAY BE LAID WITHIN THE GRANULAR BED

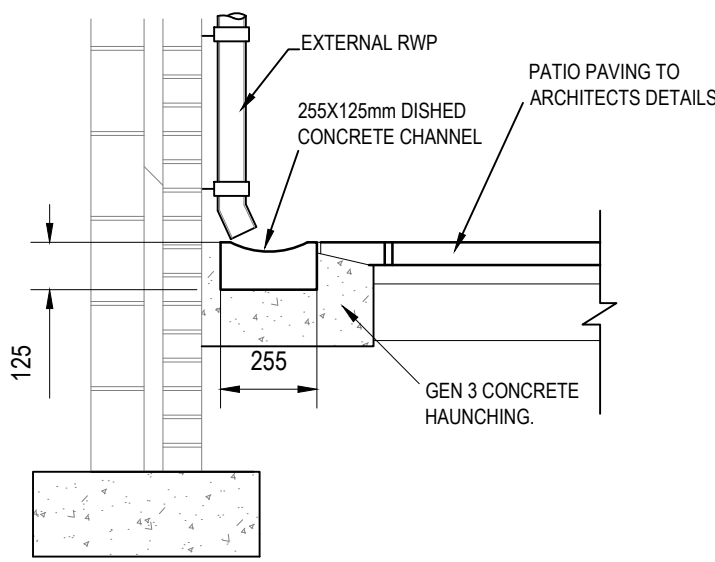
BEDDING DETAILS

PREFORMED 'Y' BRANCH
CONNECTION

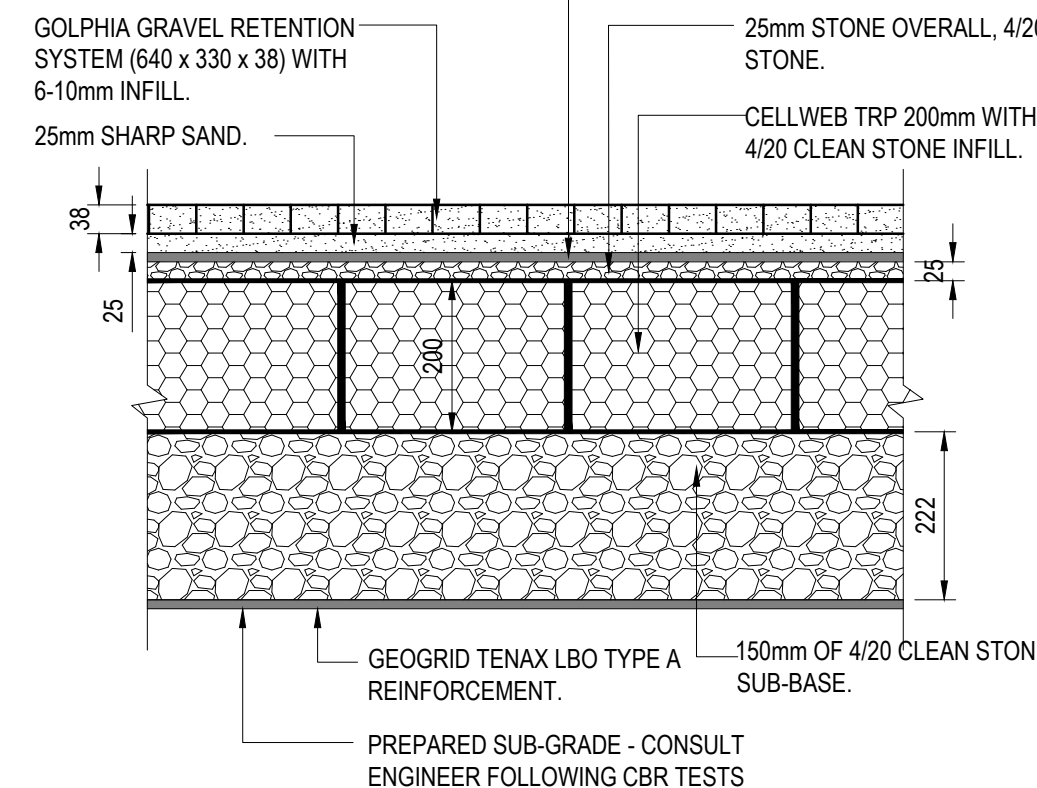
Scale 1:20



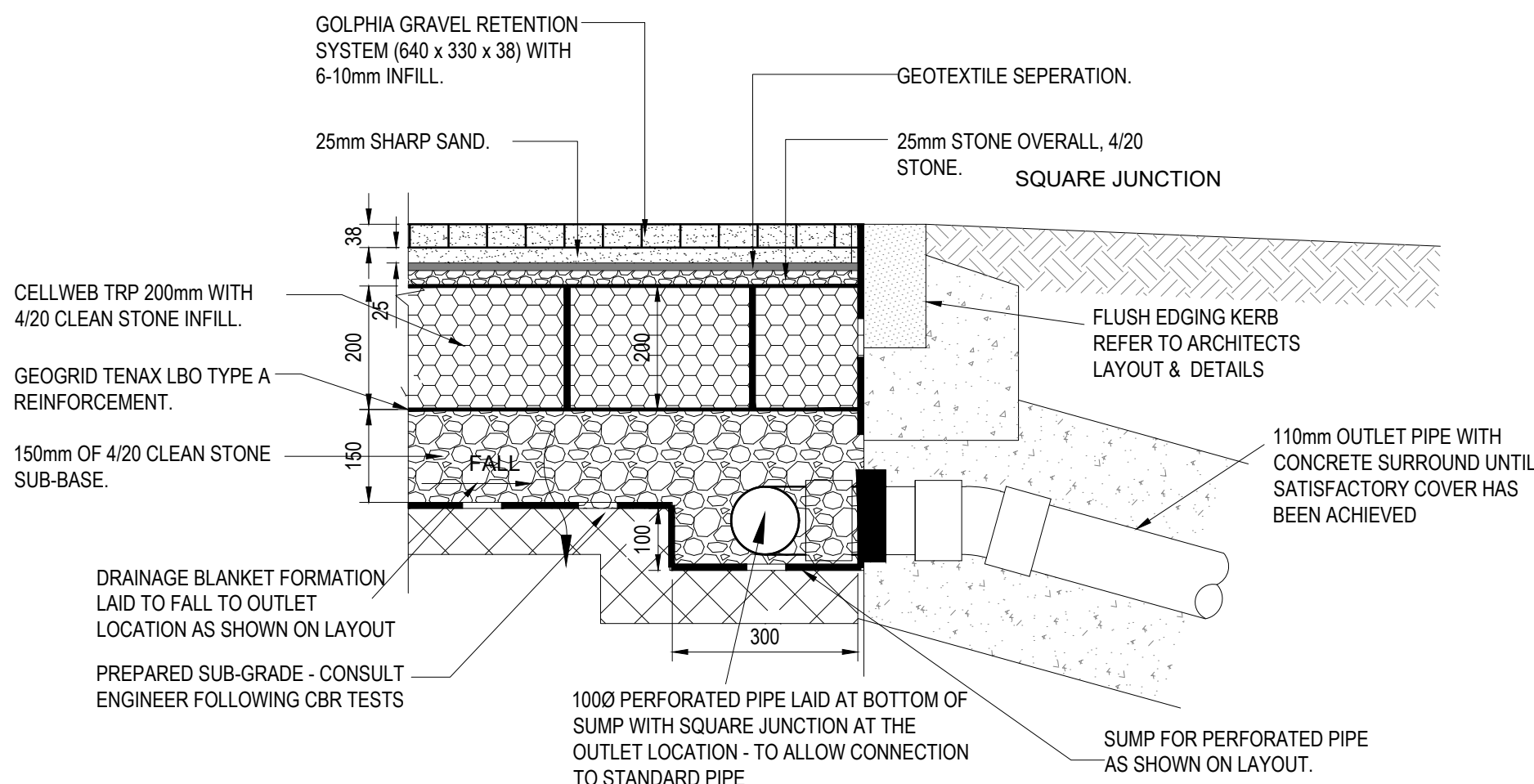
LONGSECTION FROM DISHED CHANNEL TO CATCHPIT



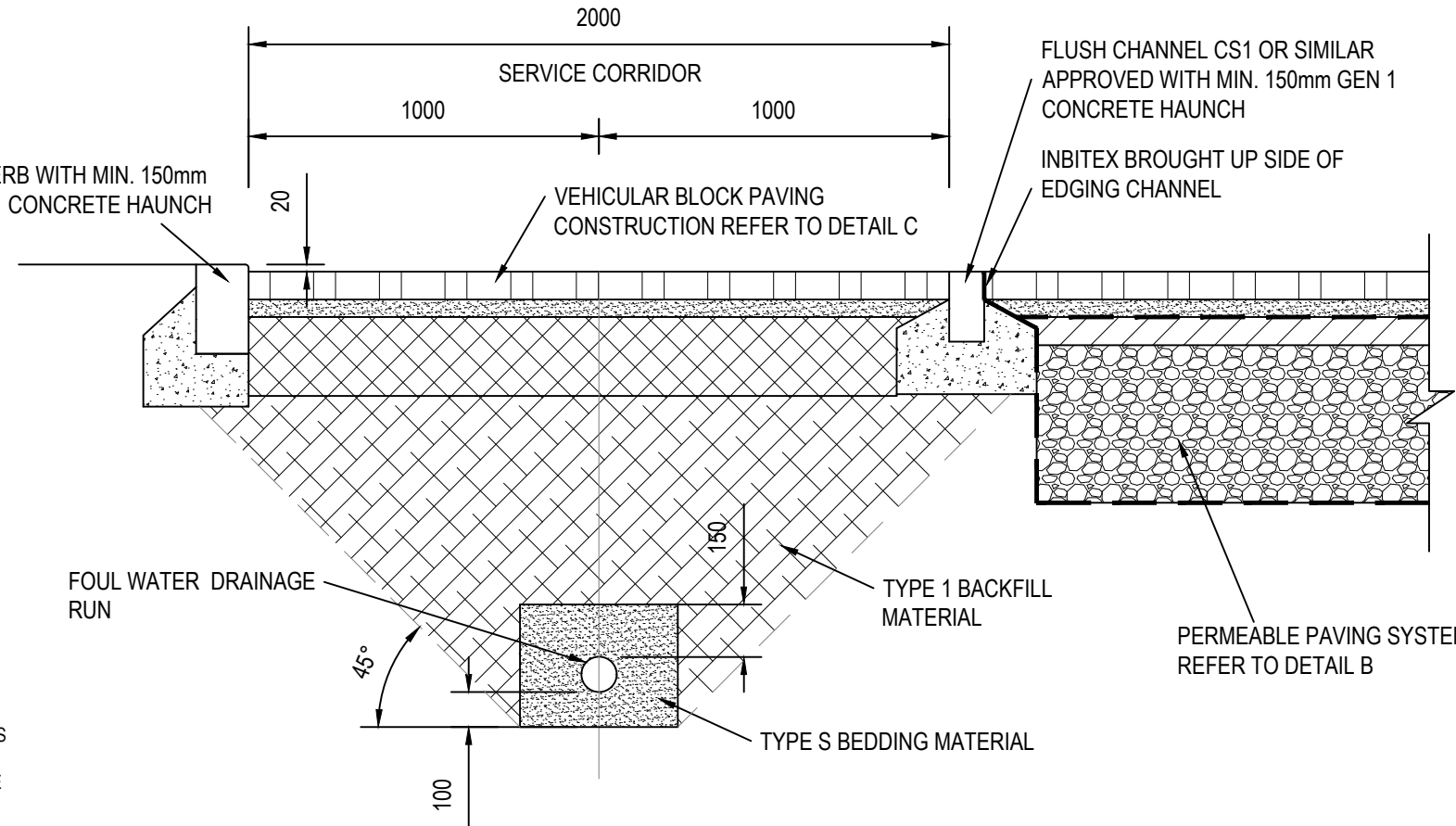
RWP CONNECTION DETAIL
TO DISHED CHANNEL



TYPICAL SECTION THROUGH
GRAVEL DRIVEWAY AREA



SECTION THROUGH PERFORATED
CARRIER PIPESUMP OUTLET



SERVICE CORRIDOR DETAIL

DRAINAGE NOTES:

- MH COVERS AND FRAMES TO CONFORM TO BS EN 124:
-HIGHWAYS AND FOOTWAYS TO FRONT OF BUILDINGS (D400)
-FOOTWAYS TO REAR OF BUILDINGS (C250)
- TYPE S BEDDING AND SURROUND TO ALL PIPES EXCEPT IN THE FOLLOWING CIRCUMSTANCES, IN WHICH TYPE Z BEDDING AND SURROUND ARE TO BE USED:
-IN BACK GARDENS OF HOUSES WHERE DEPTH TO CROWN OF PIPE IS LESS THAN 0.35m.
-IN AREAS OF THE REAR OF FLATS AND PARKING WHERE DEPTH TO CROWN IS LESS THAN 0.9m.
-IN AREAS OF ROAD WHERE DEPTH IS LESS THAN 1.2m.
- ALL EXISTING MANHOLE INVERTS TO BE CHECKED AND REPORTED TO THE ENGINEER PRIOR TO THE COMMENCEMENT OF DRAINAGE WORKS. EXISTING PIPE CONNECTIONS ARE TO BE CCTV SURVEYED AND INSPECTED BY THE ENGINEER AND LOCAL AUTHORITY. IF THE PIPE CONNECTION IS FOUND TO BE DAMAGED OR IN DISTRESS, THE CONTRACTOR IS TO CARRY OUT REMEDIAL WORKS OR PROVIDE A NEW CONNECTION TO THE EXISTING SEWER (PIPE SIZE AND GRADIENT TO BE DETERMINED BY THE ENGINEER).
- THE GRADIENTS INDICATED AGAINST THE DRAIN RUNS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL INSTALL DRAINS TO THE INVERT LEVELS SHOWN FOR EACH MANHOLE OR OTHER INDICATED POSITION.
- ALL PLOT FOUL DRAINAGE TO BE MINIMUM 100mm DIAMETER UNLESS OTHERWISE NOTED.
- ALL ADAPTABLE THERMOPLASTIC STRUCTURED WALL SEWER PIPE SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN 13476-1 AND BS EN 13476-2 OR BS EN 13476-3. PIPES SHALL BE BSI KITEMARKED OR HAVE EQUIVALENT THIRD PARTY CERTIFICATION. PIPES LESS THAN OR EQUAL TO 500mm DIA. SHALL HAVE A SHORT-TERM RING STIFFNESS OF NOT LESS THAN 8kN/m² (SN8).
- ALL JOINTING IN ACCORDANCE WITH MANUFACTURERS TECHNICAL ADVICE & SPECIFICATION.
- ALL NON ADAPTABLE DRAINAGE TO BE THE STANDARD UPVC 110mm, 160mm DRAINAGE AND MANUFACTURED TO BS-EN 1401 AND BS 4660 UNLESS NOTED OTHERWISE.
- ALL STORM WATER DRAINAGE TO BE A MINIMUM OF 150mm DIAMETER UNLESS OTHERWISE NOTED.
- SOIL & VENT PIPE LOCATION AND NUMBER TO BE CONFIRMED WITH ARCHITECT.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ENGINEERS DRAWINGS. TOGETHER WITH THEIR LATEST SPECIFICATIONS. ANY DISCREPANCIES ARE TO BE REPORTED TO THE ENGINEER (VALE CONSULTANCY) AS SOON AS POSSIBLE.
- FIGURED DIMENSIONS ONLY TO BE USED. ANY QUERIES OR DISCREPANCIES TO BE REFERRED TO THE ENGINEER (VALE CONSULTANCY) IMMEDIATELY.
- PRIOR TO ORDERING ANY MATERIALS THE CONTRACTOR IS TO CONFIRM MANUFACTURER/PIPE MATERIAL AND GRADE PROPOSED WITH WATER AUTHORITY.
- TEMPORARY WORKS DESIGN BY OTHERS.
- DESIGN RISK ASSESSMENTS AND METHOD STATEMENTS ARE TO BE PROVIDED TO THE PRINCIPLE CONTRACTOR PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- NOT ALL SERVICES HAVE BEEN INDICATED ON THIS LAYOUT - THE CONTRACTOR IS TO LIAISE WITH ALL RELEVANT STATUTORY AUTHORITIES PRIOR TO THE COMMENCEMENT OF ANY WORKS

Preliminary
Issue

01	RGP	LR	JM	03.02.21	Preliminary Issue
rev.	drawn	chd.	appd.	date	description
Client MERTHYR VALLEYS HOMES					
Project DEVELOPMENT AT ANEURIN CRESCENT MERTHYR TYDFIL					
Title DRAINAGE CONSTRUCTION DETAILS Sheet 1					
Vale Consultancy CONSULTING CIVIL & STRUCTURAL ENGINEERS 29 Bocam Park, Old Field Road, Pencoed, Bridgend CF35 5LJ. Phone: 01655 863794 Email: enquiries@vale-consultancy.co.uk					
date	drawn	checked	approved		
03.02.21	RGP	LR	JM	03.02.21	03.02.21
scale @ A1		project no.			
AS SHOWN		11969			
status	drg. no.				rev.
P	11969/504				01