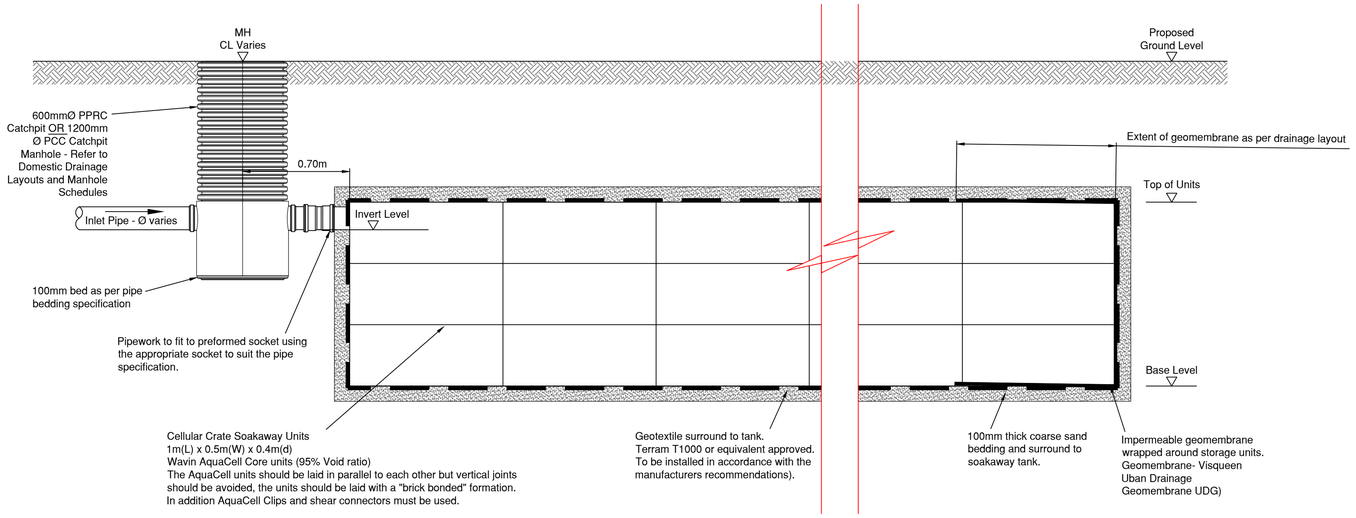


Typical Geocellular Soakway Detail

Scale 1:50

NOTES

1. This drawing is to be read in conjunction with Foul Water Sewer Longitudinal Sections (FON-160-01 to 04), Surface Water Sewer Longitudinal Sections (FON-161-01 to 03), Highways Construction Details (FON-180-01 to 02), Permeable Paving Formation Levels (FON/121-01 to 18), Highways Setting out Layout (FON-113-01 to 02), Highways Setting Out Coordinate Listings (FON-113-03), Drainage Construction Details (FON-181-01 to 02), Foul Water Manhole Schedules (FON-141-01 to 03), Surface Water Manhole Schedules (FON-140-01 to 02), Domestic Drainage Layouts (FON-130-01 to 18), Domestic Drainage Construction Details (FON-182-01 to 02), SuDS Feature Details (FON-183-01 to 02) and Building Setting Out Layouts (FON-110-01 to 18).
2. All dimensions are in millimetres unless stated otherwise.
3. Do not scale from this drawing. Only written dimensions are to be used.
4. **All construction to be in accordance with Sewers for Adoption - 6th Edition & Interim Addendum and ICOSA Water specific requirements.** and Part H of the Building Regulations
5. Refer to geotechnical report for sulphate resisting class and ACEC class.
6. Insitu concrete generally to be GEN 4 Designated Mix.
7. Insitu reinforced concrete to be RC 35 Designated Mix only when specified.
8. Where sulphates present, Consulting Engineer to confirm concrete and mortar specification.
9. All insitu concrete to be thoroughly compacted.
10. Typical domestic inspection chamber and manhole details shown on this drawing, widths and lengths will vary as follows:-
11. All covers to be stamped "FW" or "SW", as appropriate.
12. For Manufacturer and specification of pipes and fittings refer to drainage layout and schedule.
13. Drainage pipes and fittings to be Hepworth vitrified clay and PVCu or Wavin Osma PVCu or other equavalent approved. Refer to drainage layout and schedules for details of manufacturer and specification.
14. Mild steel fabrication to be hot dip galvanised to BS EN 1461.
15. ***Outgoing pipes greater than 600mm dia. should be fitted with guard bars, safety chains [to BS4942:pt 2 and BS 729] or other safety devices in accordance with the Southern Water safety policy.***

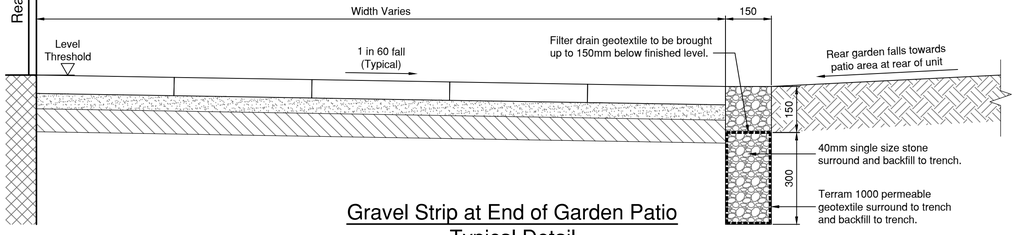
DEPTH OF PIPE COVER

The minimum depth of pipe cover to the crown of gravity pipes without protection should be as follows:

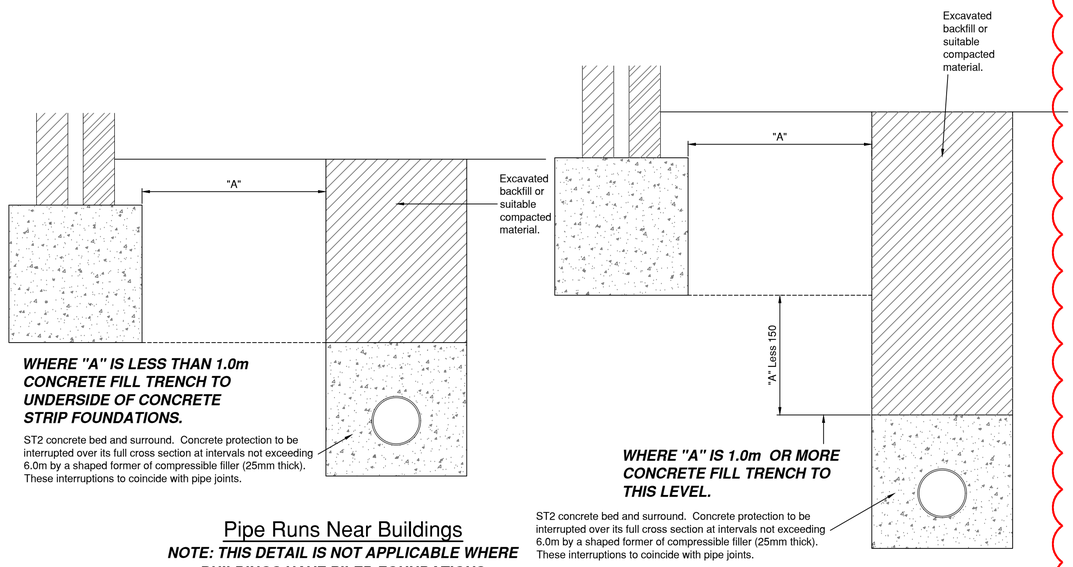
- domestic gardens and pathways without any possibility of vehicular access, 0.35m;
- domestic driveways, parking areas and yards with height restrictions to prevent entry by vehicles with a gross weight in access of 7.5 tonnes, 0.5m;
- domestic driveways, parking areas and narrow streets without footways (e.g., mews developments) with limited access for vehicles with a gross weight in excess of 7.5 tonnes, 0.9m;
- agricultural land and public open space, 0.9m;
- other highways and parking areas with unrestricted access to vehicles with a gross vehicle weight in excess of 7.5 tonnes, 1.2m.

CDM NOTES

1. EXISTING SERVICES. Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.



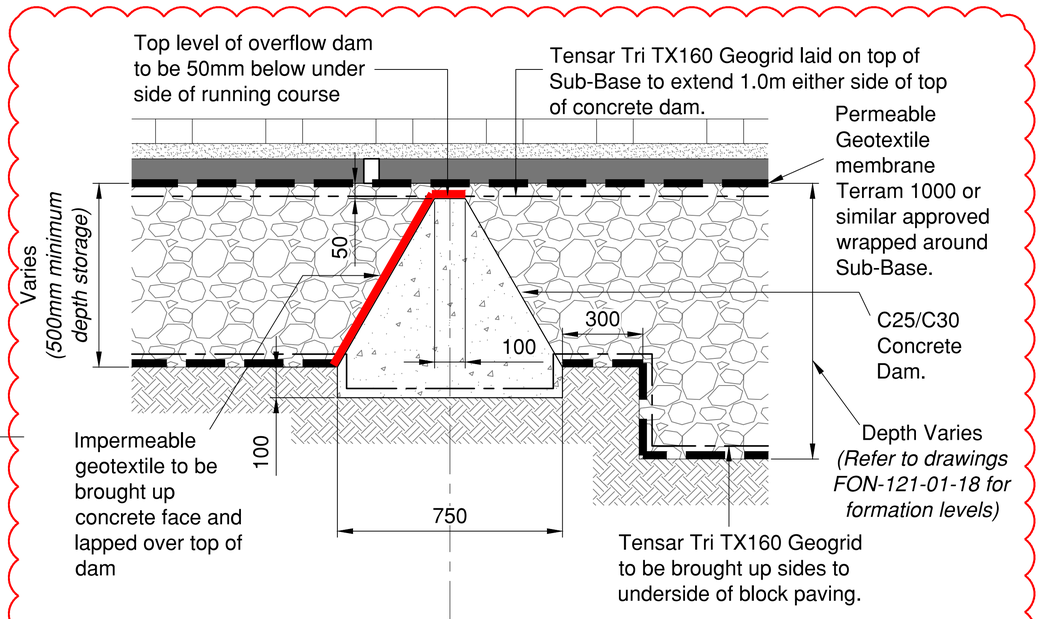
Gravel Strip at End of Garden Patio Typical Detail



Pipe Runs Near Buildings

NOTE: THIS DETAIL IS NOT APPLICABLE WHERE BUILDINGS HAVE PILED FOUNDATIONS.

B



Centreline of Concrete Dam

Refer to Permeable Paving Formation Layouts (drawings FON-121-01-18) for locations of concrete dams and formation levels.

Permeable Block Paving Overflow Concrete Dam

Rev.	Date	Details	By	Chkd	Appd
B	15.02.21	Check Dam Detail added. Note 1 and numbering updated.	GD-I	LD	TRS
		Issued for Construction.			
A	26.05.20	Soakaway details updated, Drawing number revised	TRS	TRS	TRS

Client:- dandara

Site:- Fontwell Eastergate Arundel

Drawing Title:- DOMESTIC DRAINAGE CONSTRUCTION DETAILS

SHEET 2 OF 2

Date: March 2020 | Scales: Not to scale at A1

Drawn: GD-I | Checked: LD | Approved: TRS

Drawing No. FON-182-02-B

FOR CONSTRUCTION

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