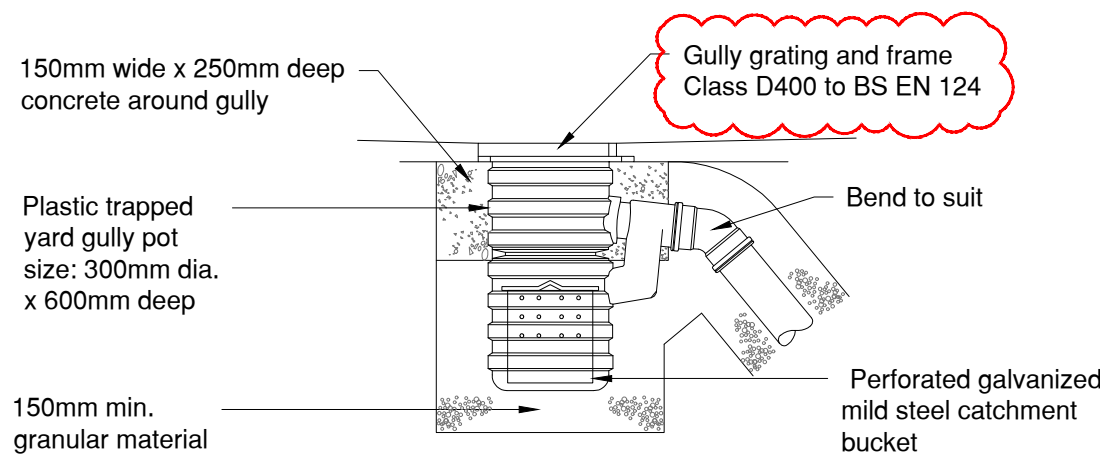
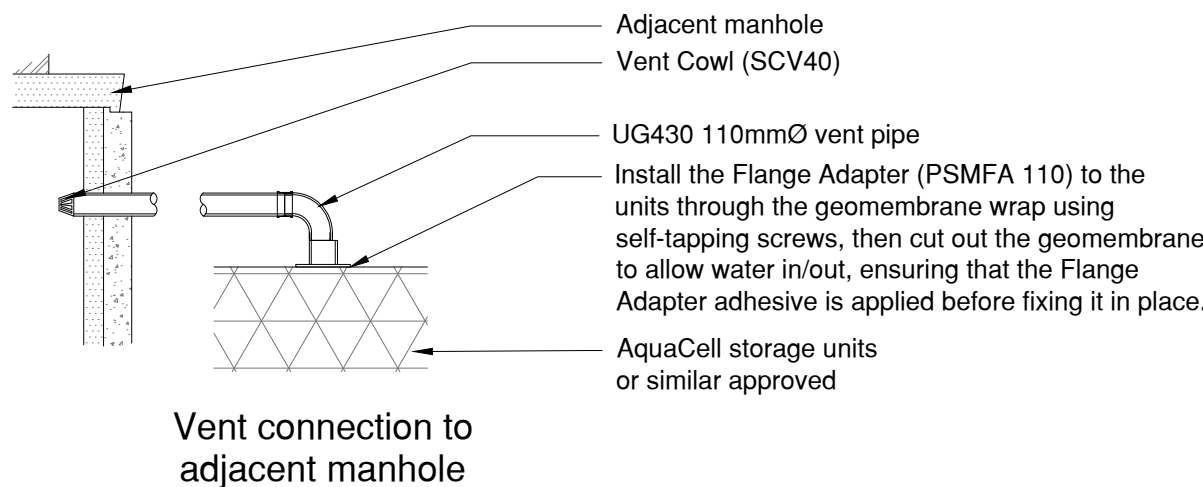
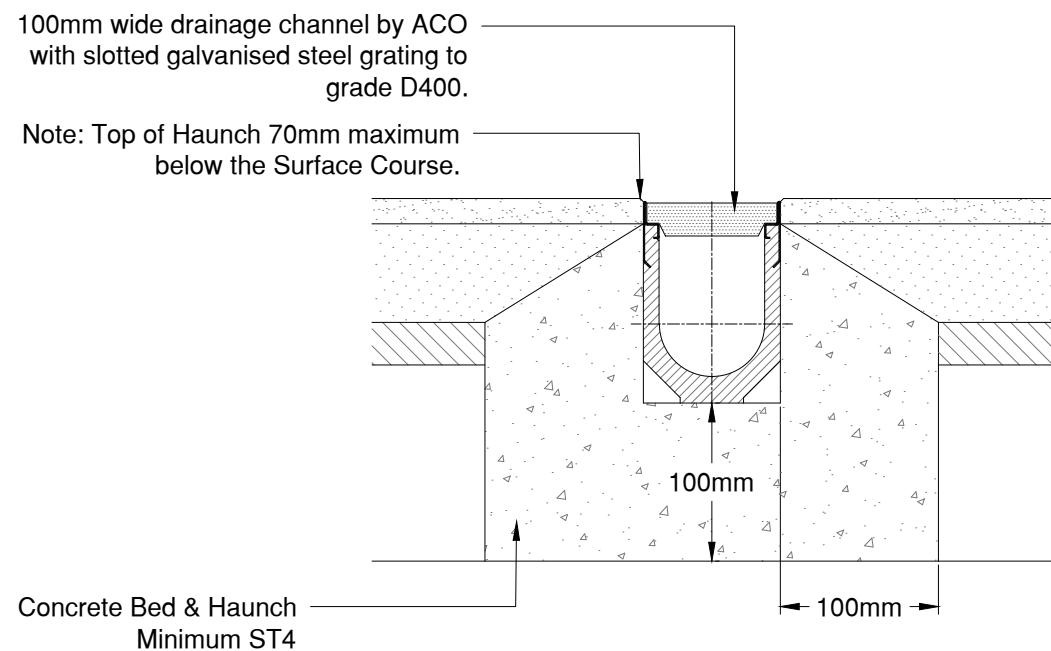




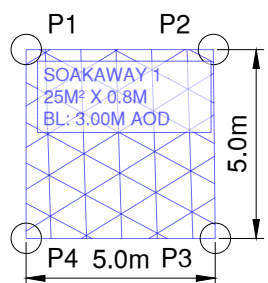
Typical Preformed Plastic Yard Gully Pot



Typical Vent Details
(Refer to domestic drainage layouts Ref: 519.1.VCE.0500 - 0502 for specific storage tank connection locations and arrangements)

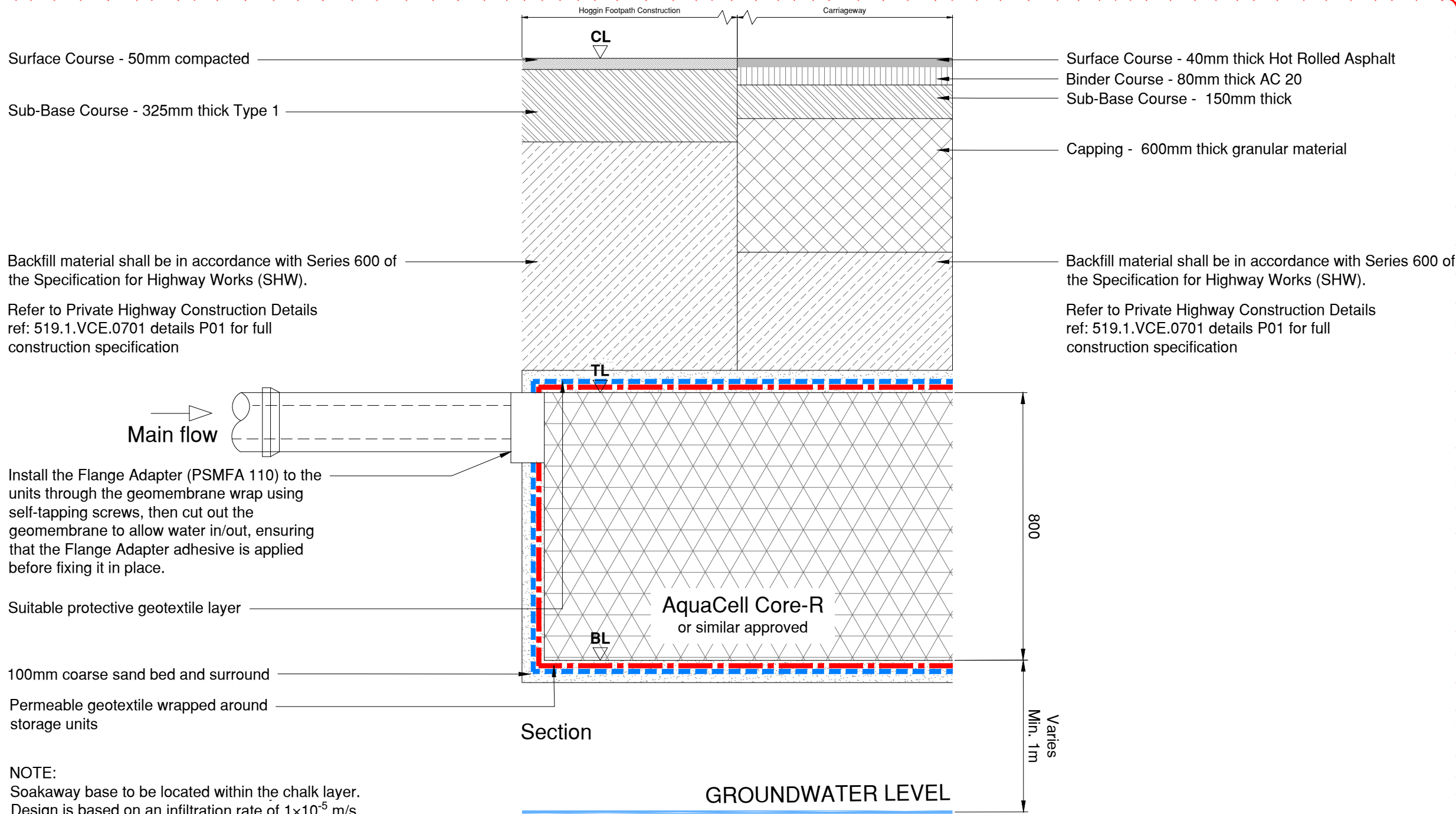


ACO Channel Drainage Construction Detail



POINT	EASTING	NORTHING
P1	503135.246	103697.916
P2	503140.182	103697.288
P3	503139.598	103692.322
P4	503134.615	103692.956

Cellular Soakaway 1
Coordinates



Storage Tank Reference:	Min. Ground Level (CL) (m)	Top of Cellular Units (TL) (m)	Base of Cellular Units (BL) (m)	Plan Dimension (m)	No. of Cellular Units based on 1m x 0.5m x 0.4m	Volume of Cellular Units @ 95% voids (m³)
SOAKAWAY 1	7.60	3.80	3.00	5.0m x 5.0m	100	19

Typical Cellular Soakaway Detail
for deep applications

NOTES:

- All levels are in metres above ordnance datum (AOD) unless otherwise stated.
- Do not scale from this drawing. Only written dimensions are to be used.
- This drawing must be read in conjunction with all other relevant documents and drawings issued by Vine CE, as listed in the final drawing register, including Architect's, Landscape Architect's and Structural Engineer's drawings and specifications.
- 150mm, 225mm and 300mm diameter pipework to be Wavin OSM UltraRib PVC-U corrugated pipe (or similar approved) to BS EN 13476-3 on class S bed & surround.
- Greater than 300mm diameter pipework to be concrete class M to BS 5911 on class S bed.
- Where minimum depth of cover to the pipe crown is not achievable, a reinforced concrete slab protection is to be used.
- Buried concrete to be designed to appropriate sulphate resistant design class.
- Where manhole is located within soft landscaping or private drives, B125 covers may be used.
- The sewers and drains are to be constructed in accordance with the Building Regulations, BS EN 752:2008 Drain and sewer systems outside buildings, BS EN 1610:2015 Construction and testing of drains and sewers, and the Sewerage Section Guidance.
- First pipe from either side of a chamber to be no more than 600mm long with 225mm GEN3 surround and have an articulated rocker pipe with 25mm joint filler to SHW 1015 between the GEN 3 surround and the first collar.
- All pipes entering and exiting manholes are to be connected soffit to soffit unless notes otherwise.
- Insitu concrete generally to be GEN 3 designated mix.
- All insitu concrete to be thoroughly compacted.
- All covers to be stamped "FW" or "SW", as appropriate.
- Where a specific manufacturer's product or solution is referenced, refer to manufacturer to verify the construction details and the applicable notes.
- Typical construction details are not product specific and the contractor must refer to the preferred manufacturer for technical specification and installation guidance prior to commencing work.
- The Merebrook Consulting (GEA-18426-14-69) recommends a Design Sulphate Class DS-2 and ACEC Class AC-2, which must be considered for all buried concrete.

18. Promptly report any discrepancies or variances to Vine CE for timely clarification before commencing the works.

INSITU INFILTRATION TESTS TO BE UNDERTAKEN TO VERIFY DESIGN

SOAKAWAY CONSTRUCTION PRECAUTIONS

Many soakaway failures result from actions carried out during the construction process.

All infiltration devices should be protected from contamination by silt, cement, washings ect. during the construction period.

Attention is drawn to CIRIA publication C698 "Site handbook for construction of SUDS" which should be used for guidance during construction.

It is recommended that, until all construction works have been completed within the contributory areas, the following actions are taken:-

Either: a) A manhole (or manholes) upstream of the infiltration device is used as a silt trap by incorporating a geotextile membrane (Terram 1000 or similar). These manholes to be regularly inspected and cleaned.

Or b) The surface water drainage system is not connected to the infiltration device and surface water is temporarily disposed of by other means.

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 excess 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:

Depth of existing services must be established prior to commencing any works. The contractor is responsible for establishing underground services following HSE Guidance Note HSG 47.

Any services that would be within the proposed construction layers must be lowered to a level below the sub-base.

T3	18.11.25	Gully cover grade revised, Soakaway design revised, ACO Channel Drainage Construction Detail added.	SRV	VPI	VPI
T2	01.08.25	Storage unit type revised to "Polystorm or similar approved" vent to vent box detail removed. Note 4 revised.	SRV	VPI	VPI
T1	27.06.25	Initial Tender issue.	SRV	VPI	VPI

REV	DATE	DESCRIPTION:	DRN	CKD	APP
STATUS:			TENDER ISSUE		



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SITE: **LITTLEHAMPTON**
SOUTHERN ALLOTMENTS
WEST SUSSEX

VCE REF. 007-1004

TITLE: **PRIVATE DRAINAGE**
CONSTRUCTION DETAILS
SHEET 2 OF 2

SCALE AT A1: NTS	DATE: 27.06.2025	DRAWN: SRV	CHECKED: VPI	APPROVED: VPI
PROJECT NO: 519	DRAWING NO: 519.1.VCE.0506	REVISION: T3		