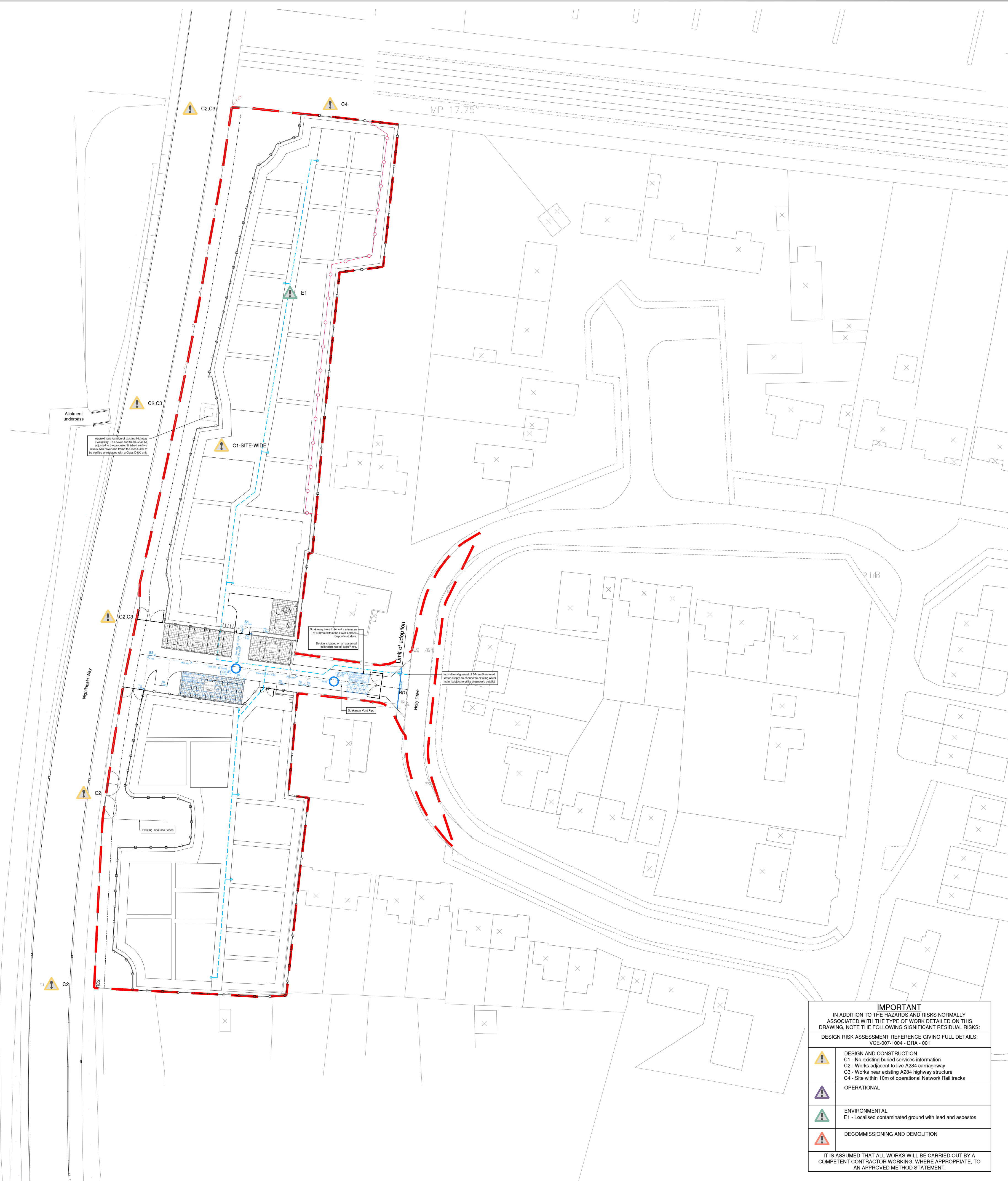


Operation and maintenance requirements for Geocellular Soakaways and Geocellular Attenuation Storage Tanks		
Maintenance schedule	Required action	Typical frequency
Regular maintenance	Inspect for sediment and debris in pre-treatment components and inside of concrete manhole rings	Annually
	Trimming any roots that may be causing blockages	Annually (or as required)
Occasional maintenance	Remove sediment and debris from pre-treatment components and inside of concrete manhole rings	As required, based on inspections
Remedial actions	Reconstruct soakaway/attenuation storage tank and/or replace or clean void if performance deteriorates or failure occurs	As required
	Replacement of clogged geotextile (will require reconstruction of soakaway/ attenuation storage tank)	As required
Monitoring	Inspect silt traps and note rate of sediment accumulation	Monthly in the first year and then annually
	Check soakaway/ attenuation storage tank to ensure emptying is occurring	Annually

Operation and maintenance requirements for Pervious Pavements		
Maintenance schedule	Required action	Typical frequency
Regular maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn Leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations - pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect the most sediment
		As required
Occasional maintenance	Stabilise and mow contributing and adjacent areas Removal of weeds or management using glyphosate applied directly into the weeds by an applicator rather than spraying Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50 mm of the level of the paving	As required - once per year on less frequently used pavements
Remedial actions	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance of a hazard to users, and replace lost jointing material	As required
	Rehabilitation of surface and upper substructure by remedial sweeping	Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Initial inspection	Monthly for three months after installation
	Inspect for evidence of poor operation and/or weed growth - if required, take remedial action	Three-monthly, 48 h after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies Monitor inspection chambers	Annually

Responsible Party for SuDS Maintenance	SuDS Component	Risk Category
Maintenance company (private company or trust)	Manholes and Surface water pipes + Trapped gullies or linear drains-geocellular attenuation storage tank.	MEDIUM RISK Private company with potential financial insolvency risk.
	1no. Geocellular Soakaway	



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NOTES:

GENERAL:

- All levels are in metres above Ordnance datum (AOD) unless otherwise stated.
- Where applicable, all depths are referenced to the topographical survey levels (AOD) and not to any modified ground surface levels resulting from the placement or removal of structures or other temporary materials.
- 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 and Structural Engineer's drawings and specifications.
- Note that the electronic information in this drawing cannot be guaranteed as dimensionally exact. Figured dimensions must be used for setting out and detailing purposes.
- Promptly report any discrepancies or variances to Vine CE for timely clarification before commencing the works.

BASIS OF DESIGN / THIRD PARTY REFERENCES:

The background information shown on this drawing is based on the following:

- Site Layout: Persimmon Homes (Thames Valley), Ref. S111_NMA_100, Rev. A dated Mar 2024.
- Holy Drive Topographical Survey: Mr. Surveys, Ref. S4710 Rev., dated August 2024.
- Lymington Bypass Topographical Survey: Brethney Civil Engineering, Ref. BCE101410/AC/0700 Rev. AC, dated 20/07/2024.
- Allotment Topographical Survey: Sub Vision Surveys, Ref. SS-PH-013 Rev., dated Mar. 2022.
- VCE accepts no responsibility for inaccuracies in the data provided by third parties.

DRAINAGE NOTES:

- The LEAP Environmental Remediation Method Statement indicates that the ground in the area of the proposed soakaway is not affected by contamination. No surface water infiltration shall occur in contaminated ground unless appropriate remediation has been undertaken.
- Sewers and drains to be constructed in accordance with the Building Regulations, BS EN 752 and the Sewerage Section Guidance.
- The indicated cover levels are nominal and subject to adjustment to suit finished ground levels as necessary.
- All manhole networks to comply with BS EN 124, and be stamped with BS1 Kitemark.
- Manhole covers to have sufficient durability of skid resistance to BS EN 124 to ensure robust slip-resistance in dry, wet, or worn conditions.
- Align manhole covers parallel to the adjacent kerbline, unless there is a valid reason for an alternative orientation.
- This drawing is schematic for clarity only, positions of pipe runs and manholes may vary on site due to site conditions.
- Gully laterals are to be to SNIW Clause 201 and BS EN 1451 if they are to be UVPC.

Table 1: Domestic Drainage Manhole Types and Cover Loading Classes

TYPE	DEPTH	DESCRIPTION	TYPE	DEPTH	DESCRIPTION	COVER	LOADING CLASS
						LOCATION	CLASS
B	1.5m to 3.0m	min. 1200mm diameter Rigid (RCC) access chamber (Max Entry)			Reed, Channel access		D400
C	<1.5m	min. 1200mm diameter Rigid (RCC) access chamber (Max Entry)	D-F	0.6m to 3.0m	min. 400mm diameter Flexible (uPVC) access chamber (Max Entry)	Driveway Crossroad Garden Paved area only Sewer Cycleway	B15 A15

Note 1: Manholes to be used where more than 10 properties are connected.
Note 2: Type D manholes to be used where 10 or less properties are connected.

Note 1: All domestic manholes to be type D-F with suitable cover load class unless otherwise specified on the layout.

KEY:

Application Boundary (as shown on site layout)

Private Surface Water Manhole and Sewer (Manhole Type shown where required) (CP+ Catchment required with min. 900mm deep sump (Refer to drawing number S15.1.VCE.505 for details))

Private Yard Gully with 100mm min./150mm dia. outlet pipe with 150mm min. Type Z concrete bed and surround. Class D400 hinged gully grate and frame. (Refer to drawing number S15.1.VCE.506 for details)

Linear Drainage Channel (Acq. 'Flexolite' or similar), D400 grating load class Grating to be hatched, anti-slip & CE marked (Refer to drawing number S15.1.VCE.506 for details)

Private Cellular Soakaway / Storage (Refer to drawing number S15.1.VCE.506 for details)

Indicative Alignment of 30mm Ø Metered Water Supply (Subject to utility engineer's details)

Indicative Location of a Water Tap (Subject to detailed specification by others)

Permeable Paving Fin Drain (Refer to drawing number S15.1.VCE.0701 for details)

Permeable Paving Details Sub-base Level / Sub-base gradient (Refer to drawing number S15.1.VCE.0701 for details)

The contractor must contact utilities companies prior to excavation to identify buried and overhead services. It is their responsibility to locate and protect these services in accordance with HSE guidance (HSG47 and GS6). Any existing services that fall within the proposed construction layers must be lowered below the sub-base level.

SCALE BAR 1:500 at A1

T4	27.05.26	Soakaway location revised, additional storage provided within permeable paving.	SRV	VPI	VPI
T3	18.11.25	Linear drainage channel has been added at the limit of adoption. Permeable paving added, Soakaway design revised.	SRV	VPI	VPI
REV	DATE	DESCRIPTION:	DRN	CRD	APP
STATUS:	TENDER ISSUE				

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WEST SUSSEX

VCE REF. 007-1004

TITLE: OVERALL DRAINAGE LAYOUT

SCALE AT A1:	DATE:	DRAWN:	CHECKED:	APPROVED:
1:500	27.06.2025	SRV	VPI	VPI
PROJECT NO:	DRAWING NO:		REVISION:	
519	519.1.VCE.0500		T4	

IMPORTANT

IN ADDITION TO THE HAZARDS AND RISKS NORMALLY ASSOCIATED WITH THE TYPE OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING SIGNIFICANT RESIDUAL RISKS:

DESIGN RISK ASSESSMENT REFERENCE GIVING FULL DETAILS: VCE-007-1004 - DRA - 001

	DESIGN AND CONSTRUCTION C1 - No existing buried services information C2 - Works adjacent to live A294 carriageway C3 - Works near existing A294 highway structure C4 - Site within 10m of operational Network Rail tracks
	OPERATIONAL
	ENVIRONMENTAL E1 - Localised contaminated ground with lead and asbestos
	DECOMMISSIONING AND DEMOLITION

IT IS ASSUMED THAT ALL WORKS WILL BE CARRIED OUT BY A COMPETENT CONTRACTOR WORKING, WHERE APPROPRIATE, TO AN APPROVED METHOD STATEMENT.