WATER QUALITY TABLES

Table 1: Pollution Hazard Indices

Land Use	Pollution Hazard Level	Total Suspended Solids (TSS)	Metals	Hydrocarbons
Residential roofs	Very Low	0.2	0.2	0.05
Individual property driveways, residential car parks, low traffic roads (eg cul de sacs, homezones and general access roads) and non- residential car parking with infrequent change (eg schools, offices) ie < 300 traffic movements/day	Low	0.5	0.4	0.4

Table 2: Pollution Mitigation Indices

SuDS Type	Total Suspended solids (TSS)	Metals	Hydrocarbons
Detention Basin	0.5	0.5	0.6

Drainage Key:

- Site Boundary

Private Drainage

- Management Company Foul Water Manhole & Pipe Refer to schedule for size/ types and cover details
- Management Company Foul Water Rising Main
- Management Company Surface Water Manhole & Pipe Refer to schedule for size/ types and cover details
- Management Company Surface Water Rodding Eye
- YG — Management Company Yard Gully
- ACO — Management Company Aco Drainage Channel
- RG — Management Company Surface Water Road Gully
- Maintenance Company Attenuation Tank - Refer to plan for depths, inverts and cover levels.
- 450mmØ Surface Water PPIC and Pipe - Maintained by Home Owner - Refer to drawing C042-RWC-WD-ZZ-D-C-2102
- 450mmØ Foul Water PPIC and Pipe - Maintained by Home Owner Refer to drawing C042-RWC-WD-ZZ-D-C-2102

Existing Drainage

- Existing 150mmØ Foul Water Southern Water Sewer
- Existing 450mmØ Surface Water Culvert

Misc.

- Indicates Watercourse Buffer Zone (3.0m) (Measured from Top of Bank)
- Denotes Existing watercourse to be cleared of debris & vegetation, where possible.

DO NOT SCALE OFF THIS DRAWING

GENERAL NOTES:

1. All dimensions to be checked on site. All details and dimensions relating to sub-Contractors work must be checked and agreed between the sub-Contractor or supplier and the general Contractor.
2. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specification.
3. The main Contractor is responsible for ensuring the stability of the structure whilst the works are in progress.
4. Any information given regarding existing underground services is given in good faith after consultation with the relevant authority. No liability is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.

CDM 2015 RESIDUAL RISKS

1. All areas of live traffic and pedestrian movements shall be subject to appropriate traffic management barriers and signs.
2. Access points onto live public highway.
3. Unauthorised access to the site must be prevented at all times
4. Existing road drainage to be maintained.
5. Be aware of possible live drainage flows and foul effluent during construction. The Contractor shall assess and implement a safe working system and equipment (PPE) as necessary.

The above residual risks are for non-standard hazards. It is assumed that a competent contractor familiar with the construction of this type of work will be appointed who will be aware of the standard hazards.

DRAINAGE NOTES:

1. All drainage works to be constructed in strict accordance with specification of the Local Authority, Building Regulations, Design and Construction Guidence (published by Water UK)& BSEN.752.
2. Any existing drainage found crossing the site is to be investigated, and if found to be 'live', it should be diverted in consultation with Thakeham.
3. For location and setting out of building drainage points refer to architects drawings.
4. All pipe runs near buildings to comply with the Building Regulations 2015 part H1. Where a pipe is within 1m of a foundation the trench shall be filled with class GEN3 concrete up to the lowest level of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class GEN3 concrete to a level below the lowest level for the foundation equal to the distance from the foundation less 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick class GEN3 concrete.
5. Where pipes, external to the structures, have a depth to soffit from ground level of less than 450mm they shall have a class GEN3 concrete encasement (150mm thick).
6. Where a pipe, under a carriageway, has a depth of cover of less than 1.2m the pipe shall be laid in a concrete bed and surround.
7. Where a pipe, under a vehicular area other than a carriageway has a depth of cover if less than 0.9m the pipe shall be protected with a concrete slab set above it.
8. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided; compressible boards (fibreboard or polystyrene) shall be provided at a maximum of 8m centres (coinciding with pipe joints), the boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross section. a board thickness of 18mm for pipes up to 450mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
9. All private building drainage shall be constructed in strict accordance with BS EN.752. Foul drainage beneath the floor slab shall be laid, shall be laid no flatter than 1:40. Unless otherwise specified below ground building drainage external to the building shall be 100mm diameter and shall be laid at a minimum gradient of (<1l/s = 1 in 40>1l/s = 1 in 80) for foul drains and 1 in 80 for surface water drains.
10. All building drains shall be laid in conjunction with 'non adoptive bedding details' (class d, n or b) unless otherwise specified.
11. All pipes, bends and junction for private building drainage shall be UPVC conforming to BS4660, BSEN13598 and BSEN1401 as appropriate and shall be laid in accordance with the manufacturer's specification.
12. All pipes, bends and junction materials for adoptable drainage shall be vitrified clay, extra strength or super strength to BSEN295, with flexible joints and kitemark certified
13. All back inlet gullies to be roddable or connected to inspection chambers.
14. All gully connections other than at manholes to be 'y' junctions.
15. All road gully connections to be 150mm diameter.
16. All stub stacks to be fitted with air admittance valves where branch drain exceeds 12m except at the head of the run. Soil vent pipes located at the head of a run to terminate to fresh air.
17. No low point shall be without a method of drainage.
18. All connections to be soffit to soffit unless otherwise noted.
19. All concrete and concrete products to be in accordance with BRE 363 for sulphates.
20. The locations of all building drainage points shall be cross referenced against the architects drawings during setting out and any discrepancies reported immediately.
21. Before connections are made to existing public sewers an application under S106 must be made to relevant sewerage undertaker.
22. The precise depth and location and size of existing pipes, watercourses or manholes where connections or diversion are proposed must be confirmed and reported to the engineer before works commence on site.
23. Any existing drains to be abandoned to be decommissioned in accordance with the Building Regulations by either grubbing, infilling or sealing.
24. Should ground water be encountered on site during construction Thakeham shall be informed to determine if additional measures are required.
25. The drainage system shall be fully cleansed on completion of the project using methods that ensure pollution off site does not occur.
22. Any existing land drains severed during construction shall be reinstated.

Revision History

Rev	Comment	By	Chkd	Appr	Date
P01	ISSUED FOR APPROVAL	SK	SB	SB	18.04.2023
	Current Revision				
P02	ATTENUATION TANK REVISED. ISSUED FOR APPROVAL	SK	SB	SB	25.04.2023

APPROVAL

THAKEHAM HOMES

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Project
LEE'S YARD, WOODGATE
WEST SUSSEX

Drawing Title
PROPOSED DRAINAGE

RWCL Internal Register reference: 3195 - 004 Scales @ A1

C042-RWC-WD-ZZ-D-C-2100 - P02

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Scale 1:250 @ A1 - 1:500 @ A3
5m 0 5m 10m 15m 20m 25m

ARUN DISTRICT COUNCIL AL/65/23/DOC