

KEY:

- Proposed Plot Drainage Surface Water.
- Proposed Plot Drainage Foul Sewer.
- Proposed Plot Drainage Foul Lateral.
- Proposed Plot Drainage Surface Water Lateral.
- Proposed permeable paving drainage. See drg 3141 for details.
- Proposed Yard Gully.
- Development Boundary.
- Rodding eye.
- Plot drainage inspection chamber (PPIC) (450mm unless noted otherwise) <1.2m deep.
- Foul Mini Access Chamber <0.60m deep (300mm dia. unless noted otherwise).
- Plot drainage catchpit chamber (PPIC) (450mm unless noted otherwise).
- Soakaway.
- Permeable Paving. To be connected to gravity drains. See drg SA00394-3141-C-SW-SP for details.
- Tank.
- Channel Drain.
- Landfill Boundary from GI report.
- Revised Landfill Boundary received May 2024.

Soakaway design infiltration rates:

SA1: 5.63E-5 m/s

SA2: 3.44E-5 m/s

SA3: 9.34E-6 m/s

SA4: 6.95E-6 m/s

SA5: 6.95E-6 m/s

SA6: 6.95E-6 m/s

SA7: 7.63E-4 m/s

SA8: 7.50E-4 m/s

NOTE:-
REFER TO DRAWING
SA00394-5114-S-BLOCKB-DR FOR
FURTHER DRAINAGE DETAILS

NOTES:

- All dimensions in millimetres unless noted otherwise.
- The existing levels indicated on this drawing are taken from the topographical survey provided by Client.
- This drawing is to be read in conjunction with all relevant Eastwood & Partners drawings with project number 48174 as well as all relevant Cala planning layouts and house type drawings. Positions of soil pipes, stub stacks, WC outlets, rainwater downpipes etc. shall be checked against Architect's house type drawings to ensure compatibility.
- All pipes to be 'Polytype' or similar approved, bedded on a Class 5 granular bed and surround. Refer to manufacturers instructions for installation details.
- Where cover to pipes is less than 600mm a class Z concrete bed and surround must be used.
- All trenches in roads, paved areas and below slabs shall be backfilled with Type 1 or Type 2 DOT granular sub-base material.
- All pipes to be laid soft to soft at manholes unless noted otherwise.
- All in situ concrete to be designated mix FND2 conforming to BS 8500-2 unless agreed otherwise.
- All building drainage to be 100mm diameter laid at a minimum gradient of 1:40 where serving less than 1 WC, 1 in 80 otherwise (FW) and 1 in 80 (SW) unless otherwise shown.
- Inspection chambers on private drains/sewers shall be non-access preformed polypropylene. Depth to invert Minimum Size <0.6m DN300 >0.6m DN475 If depth greater than 1.2m then restricted 300mm access to be constructed in accordance with Building Regulations Part H.
- Rainwater downpipes to be connected directly to drains via removable adaptor to permit access for rodding.
- All private drainage to be installed in accordance with Part H of the Building Regulations and BS EN 752 & 12056.
- Levels in areas surrounding existing trees and boundaries are to be maintained as existing.
- Lintels or sleeves are to be provided for drains passing through foundation or brickwork.
- All lateral connections to the sewer network are to be 1500 unless shown otherwise.

M	Layout rec'd 01.04.25 inserted.	PWAH	AMC	04.04.2025
L	Layout rec'd 10.01.25 inserted.	PWAH	AMC	19.02.2025
K	Cover levels & gradients added to sports hall drainage. Minor amends to foul below slab of Blocks A & C & to plot drainage & laterals to avoid hedges etc. Layout rec'd 29.08.24 inserted.	PWAH	AMC	11.09.2024
J	Revised to suit updated layout rec'd 25/07/2024 and service margins. Levels added to permeable paving runs. Block D head of Southern SW run and SW lateral moved to accommodate services. Block D SW run levels adjusted due to permeable paving levels. Block A foul & SW lateral moved to accommodate services. Lateral levels adjusted where possible to achieve sufficient cover from services. Key updated to include mini foul chamber.	CD	PWAH	31.07.2024
H	Notes revised. Revised layout rec'd 03-07-24 inserted. Soakaway design infiltration rate table added.	PWAH	xx	not issued
G	Revised to suit updated layout rec'd 31.05.2024. Landfill boundary added to key	PWAH	AMC	24.06.2024
F	Revised to suit updated layout rec'd 26.04.2024. Internal foul connections in the apartment blocks have shifted to suit the new internal layout. Block A surface run updated. Block B one new RWP. Block D and F two new internal foul points. Plot 225 foul connection moved to avoid wall. Plot 217-219 MH invert levels deepened.	CD	PWAH	20.05.2024
E	Revised to suit updated layout rec'd 16.04.2024.	CD	PWAH	18.04.2024
D	Notes, FFLs & topo added. Additional RWPs & SVPs connected. Drive drainage reviewed. Permeable paving connections added.	PWAH	AMC	27.03.2024
C	Foul sewer in Road 11 deleted.	PWAH	AMC	04.03.2024
B	Changed to suit new site layout.	CD	PWAH	19.02.2024
A	First issue.	CD	AMC	19.01.2024
REV	DESCRIPTION	SIG	CHK	DATE

CALA HOMES (THAMES) LIMITED

BROOKLANDS COLLEGE
WEYBRIDGE

PLOT DRAINAGE SHEET 1 OF 8

CALA

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ECE PROJECT No SCALE AT A1 Drawing Status REV

48174 1:250 CONSTRUCTION M

Project
SA00394-3200-C-SW-SP