



**Drainage Notes**

- All adoptable surface and foul water drainage works (including connections to the Public Sewers) to be carried out in strict accordance with the 'Sewer Sector Guidance' and any specific requirements of the adopting authority.
- All adoptable highway drainage works to be carried out in strict accordance with the Local Highway Authority requirements and the DfT MCHW Specification for Highway Works.
- All private drainage works are to be carried out in accordance with Building Regulations Part H, BS EN 752, the Civil Engineering Specification for the Water Industry end, where provided, the BWB Drainage Specification.
- Where applicable the contractor shall allow free and full access to the drainage works for the local authority, highway authority, drainage authority or the overseeing organisation.
- The Contractor shall check the condition of the existing drainage and ensure it is structurally sound and free from blockages / obstructions. Where necessary the Contractor to replace and/or undertake remedial works on defective drainage. All drainage is to be cleaned by jetting, removing all debris from site to an appropriately licensed tip.
- The exact position, level, line, size and use of existing drainage is to be confirmed on site. Any discrepancies to be reported to the engineer prior to the commencement of works.
- For new connections to existing manholes, existing benching is to be broken out and reformed to suit. Concrete/brick surround to be made good.
- All temporary works associated with the construction of the drainage works shall be the responsibility of the contractor, including the protection of any uncoved/shallow pipework against construction traffic.
- The Contractor is responsible for obtaining and paying for all necessary permissions to enable construction of the works to be undertaken, including but not limited to licences for street works and connections to existing sewers. This includes Section 106 applications when connecting directly or indirectly to the public sewerage network (complete application to be made at least 3 weeks prior to the planned offcut construction works).
- Any damage caused to existing footways, roads or other third party property to be made good.
- Under roads and external paved areas all materials within 450mm of finished levels to be non-frost susceptible. Reinforcements shall be undertaken in accordance with the BWB standard detail.
- All proposed chamber covers are to be marked permanently with "SW5" (or equiv.) on surface water sewers and "FW5" (or equiv.) on foul sewers. all covers to be in accordance with BS EN 124.
- Unless noted otherwise, all lateral connections are to be installed with level soffits to the diameters and gradients shown on the layout drawing. Any pipe bends should be provided to suit the direction of flow & no pipework should be downsized in the direction of flow.
- The number and location of all RWPs is shown indicatively only. To be confirmed by Architect / M&E contractor prior to commencement of works.
- Foul water 'pop up' positions are shown indicatively only, to be confirmed by the Architect / M&E contractor prior to commencement of works. Refer to Architect plans for setting out of internal foul pop up positions.
- All RWPs and SVPs to be fitted with rodable access plates. All foul drains to have rodable access.
- Above ground drainage details to be designed/confirmed by the Architect/M&E contractor, including ventilation of the foul drainage system.
- Proposed drainage passing through new foundations to be sleeved with cast-in oversized pipework.
- All specialist/proprietary products such as separators, attenuation tanks, channel drains, soakaways, package pumping station and water treatment units to be installed as per the manufacturer's installation details and specifications..

**Notes**

- Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.
- This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
- All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
- Any discrepancies noted on site are to be reported to the engineer immediately.
- This drawing is to read in conjunction with BWB drawings: 243912-BWB-EXT-XX-D-C-0500 Civil Engineering Notes, 243912-BWB-EXT-XX-D-C-0500 Drainage Catchment Plan, 243912-BWB-EXT-XX-D-C-0500 Drainage Construction Details Sheet 1 & 243912-BWB-EXT-XX-D-C-0500 Drainage Construction Details Sheet 2
- For details of approved FRA including original drainage strategy please refer to: Oldlands Farm Phase 3 FRA & DS dated Dec 2022.