

Vert exaggeration = 1.0

Datum = 63.0

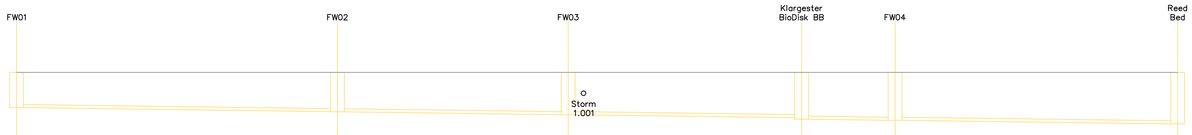
Link Name	1.000	1.001	1.002	1.003
Section Type	150mm	150mm	150mm	150mm
Slope (1:X)	1:150.0	1:150.0	1:150.0	1:150.0
Cover Level (m)	65.350	65.350	65.350	65.350	65.350
Invert Level (m)	64.700	64.615 64.615	64.570 64.568	64.516 64.516	64.524
Length (m)	12.798	6.818	4.751	1.750	



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Link Name	2.000	2.001	
Section Type	150mm	150mm	
Slope (1:X)	1:150.0	1:77.2	
Cover Level (m)	65.350	65.350	65.350
Invert Level (m)	64.700	64.625 64.625	64.568
Length (m)	11.229	4.401	



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Link Name	1.000	1.001	1.002	1.003	1.004
Section Type	100mm	100mm	100mm	100mm	100mm
Slope (1:X)	1:80.0	1:80.0	1:80.2	1:80.3	1:80.0
Cover Level (m)	65.350	65.350	65.350	65.350	65.350	65.350
Invert Level (m)	64.200	64.062 64.062	63.968 63.968	63.873 63.823	63.785 63.785	63.670
Length (m)	10.479	7.533	7.621	3.051	9.223	

1. All dims are in mm unless otherwise stated.
2. This drawing is to be read in conjunction with all other related drawings and specifications.
3. The drainage contractor is responsible to making full satisfaction to any sewerage undertaker prior to construction of any connections into a public sewer.
4. The engineer is to be notified of any discrepancies to the details shown on the drawings and any unexpected connections not shown on the drawings.
5. Drainage has been designed in accordance with the Building Regulations 2010 Approved Document H, Sewers for Adoption 8th Edition and the Water UK Code for Adoption Agreements for Water and Sewerage Undertakers in England and Wales unless stated otherwise.
6. Existing foul and surface water drains and sewers to be located by trial excavation under the supervision of the relevant authorities at drainage levels are provisional and not for construction, should the connections or site work prove to be impracticable or undesirable the engineer is to be informed at once and no work is to be carried out pending agreement of a variation to the scheme.
7. To protect the drainage system from construction site debris, the contractor shall ensure that all gullies and manholes are covered and protected from ingress of silt, dirt, concrete, etc. during the course of the works. Gully pots shall not be removed until the site is complete and ready for hand over.
8. The designer is basing his information available on the date of issue from the statutory undertakers and cannot be responsible for inaccuracies resulting from inquiries to the available information from others.
9. New kerbs are shown to be bedded, haunched and jointed in concrete unless otherwise noted.
   9.1. Construction and materials of private surfaces, foul & combined water sewers to be in accordance with the National Building Specification (NBS) Standard Document (7 & 10) EN 752:2017 Drain and Sewer Systems Outside Buildings.
   9.2. Construction and materials of public surfaces, foul & combined water sewers to be in accordance with the Specification for Highway Works (SHW) and Guidance Appendix C7 and is in accordance with local sewerage undertaker/ highway authority requirements and Sewers for Adoption.
   9.3. Concrete mixes indicated on this drawing are designated mixes conforming to BS 8500-1:2006. All concrete to be suitable exposed. Contractor should satisfy himself that the mix is suitable for the conditions of construction.
   9.3.1. 150mmDN drains: 11.5N/mm2 for 2.5 beamage to sew.
   9.3.2. 150mmDN all rem: 11.5N/mm2 for 2.5 beamage to sew.
   9.4. All private manholes and inspection chambers to be constructed in accordance with the Building Regulations 2010 Approved Document H.
   9.4.1. Minimum 215 dia for depths to invert not exceeding 1.2m.
   9.4.2. Minimum 450 dia for depths to invert exceeding 1.2m.
   9.5. All inlet gully gipe work stums to be 150mmDN unless otherwise specified
10. Load class selection to comply with BS EN 124.
   10.1. Load class A15 : Pedestrian areas and similar areas
   10.2. Load class B125 : Footways, pedestrian areas etc.
   10.3. Load class C250 : Carriageways of roads and similar
   10.4. Load class D400 : Carriageways of roads (heavy duty)
   10.5. Load class E600 : Areas subject to extra heavy duty
   10.6. Load class F900 : Areas imposing particularly high wheel loads
11. All manholes, inspection chambers, gullies, catchpits and HAC connections be 150mmDN or greater unless noted otherwise.
12. All foul connections to be fully trapped and each foul connection to a branch drain shall be provided with a suitable means of access for cleaning.
13. Rainwater down pipes are to connect to a drain via a reed bowl.

Preliminary

Revisions

P01 - 20th May 2025 - First Issue

P02 - 5th October 2025 - Planning Layout Revised

Bower Edleston Architects

Land Adjacent to Wilmayne, Penley

Drawing Scale - 1:100 at A1

Proposed Drainage Longsections

D-0502

00020-SC-XX-XX-DR-D-0502

STREAMLINE CONSULTANTS
MASTER WATER & DRAINAGE SOLUTIONS