

Vert exaggeration = 1.0

Datum = 63.0

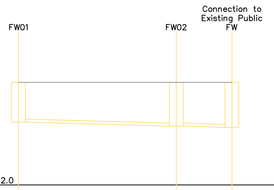
Link Name	1.000	1.001	1.002
Section Type	150mm	150mm	150mm
Slope (1:X)	1:150.0	1:150.0	1:150.0
Cover Level (m)	65.350	65.350	65.350	65.350
Invert Level (m)	64.700	64.628 64.628	64.548 64.548	64.516
Length (m)	10.795	11.960	4.746	



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Link Name	2.000
Section Type	150mm
Slope (1:X)	1:82.1
Cover Level (m)	65.350	65.350
Invert Level (m)	64.750	64.598
Length (m)	12.478



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Link Name	1.000	1.001
Section Type	100mm	100mm
Slope (1:X)	1:40.0	1:40.0
Cover Level (m)	65.350	65.350	65.350
Invert Level (m)	64.050	63.921 63.921	63.876
Length (m)	5.154	1.817

All levels are shown to the Ordnance Datum.
This drawing is to be read in conjunction with all other related drawings and specifications.
The drainage contractor is responsible for making an application to any sewerage undertaker prior to construction of any connection into a public sewer.
The engineer is to be notified of any discrepancies in the details shown on the drawings and any unrecorded connections not shown on the drawings.
Contractor to verify the location and invert levels of all existing drainage prior to commencing any permanent drainage construction. Any discrepancies between assumed and actual conditions are to be reported to the engineer before work commences.
Contractor is responsible for obtaining all necessary approvals from the relevant authorities at their own risk.
To protect the drainage system from construction debris, the contractor should ensure that all gullies and manholes are covered or protected at the end of each working day. Any debris found in the system must be removed before the final cleaning of the system.
The design is based on the information available on the date of issue from the client and other consultants. Bower Edleston Architects cannot accept responsibility for changes resulting from updates to the available information from others.

New drains are assumed to be of Vitrified Clay, Concrete or uPVC unless otherwise noted. Drainage is assumed to be of private surface, foul & combined water sewers to be designed and constructed in accordance with Sewers for Adoption 8th Edition and the Building Regulations Approved Document H. Refer to BS EN 752:2017 Drain and Sewer Systems Outside Buildings.
Construction and materials of public surface, foul & combined water sewers to be in accordance with the Specification for Highway Works published by the Stationery Office and Sewers for Adoption 8th Edition.
Concrete shall be in accordance with Table 1 of the Design and Construction Guidance Appendix C7 and in accordance with local sewerage undertaker requirements. Concrete to be protected against frost for 48 hours.
Domestic driveway, parking areas and yards with height restrictions to prevent entry by vehicles wefre a gross weight in excess of 2 t tonnes.
Domestic driveway, parking areas and yards with height restrictions to prevent entry by vehicles wefre a gross weight in excess of 7.5 tonnes.
Manholes shall be constructed to provide unrestricted access to vehicle with a gross weight in excess of 7.5 tonnes.
Backfill to drainage trenches under carriageways to be type 1 sub-base material in accordance with the Specification for Highway Works. Acceptable material may from rubble, organic matter, frozen soil, clay lumps and large stones shall not be incorporated within 150mm of the pipe.
Load class assumed for pipework laid under roads is class S as specified in BS EN 752:2017 Drain and Sewer Systems Outside Buildings.
Load class assumed for pipework laid under private roads is class 160 as specified in BS EN 752:2017 Drain and Sewer Systems Outside Buildings.
Load class B125 - Footways, pedestrian areas etc.
Load class D400 - Carriageways of roads (heavy duty).
Load class C250 - Carriageways of roads (heavy duty).
Load class D400 - Carriageways of roads (heavy duty).
Load class F900 - Areas imposing particularly high wheel loads.
All foul connections to be fully trapped and each foul connection to a branch drain to be fitted with a 75mm deep anti-vermin trap.
All foul connections to be 100mm DN or a greater size and be connected at 45° to the direction of flow.
All foul and combined drains and sewers to be laid to a minimum gradient of 1:40 for 75mm diameter pipes and 1:80 for 100mm diameter pipes unless otherwise agreed with the local sewerage undertaker.
Rainwater down pipes are to connect to a drain via a rest bend.

Preliminary

Revisions

P01 - 20th May 2025 - First Issue

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
SUSTAINABLE DRAINAGE SOLUTIONS