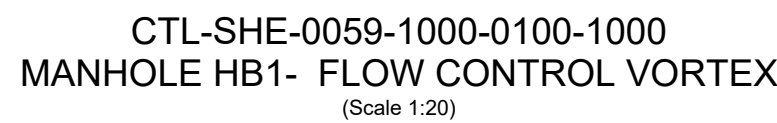


(Scale 1:20)



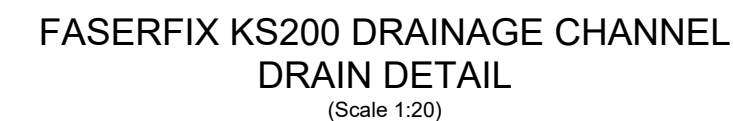
PIPE BORE	BEDDING CLASS	Fields and gardens		Light traffic roads		Heavy traffic roads	
		MIN	MAX	MIN	MAX	MIN	MAX
100mm	D or N F B	0.4	4.2	0.7	4.1	0.7	3.7
		0.3	5.8	0.5	5.8	0.5	5.5
		0.3	7.4	0.4	7.4	0.4	7.2
150mm	D or N F B	0.6	2.7	1.1	2.5	--	--
		0.6	3.9	0.7	3.8	0.7	3.3
		0.6	5.0	0.6	5.0	0.6	4.6
225mm	D or N F B	--	--	--	--	--	--
		0.6	2.5	1.2	2.1	--	--
		0.6	3.3	0.8	3.2	0.9	2.4



PE BEDDING FOR RIGID APPLIES (NON ADOPTIVE DRAINS)

LEGEND:

- | | |
|---|---|
|  | <p>Selected fill: free from stones larger than 40mm, lumps of clay over 100mm, timber frozen material and vegetable matter</p> |
|  | <p>Granular material: should conform to BS 882:1983 table 4 or BS8901:1985 Appendix D. Compaction fraction > 0.3 for class N > 0.2 for class F and B.</p> |
|  | <p>Selected fill or granular fill free from stones larger than 40mm</p> |
- 'X' - Denotes external pipe diameter.



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.

DRAINAGE NOTES

1. All adaptable pipes, bends and junctions shall be verified dry in accordance with the current version of BS EN 295-1, with flexible joints and kitemark certified.
2. All Adaptable sewers shall be in strict accordance with the SSG Appendix C- Design and Construction Guidance. Unless otherwise specified sewer pipe shall be 150mm diameter and shall be laid in a class S pipe. Where the depth to surface is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class 2 bedding.
3. All private building drainage shall be constructed in strict accordance with the current version of BS EN 752-2011. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for floor drains and 1 in 80 for surface water pipes. All building drains shall be laid in class B bedding unless otherwise specified.
4. Where a pipe is within 1m of a foundation the trench shall be filled with class GEN 3 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 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 GEN 3 concrete.
5. Where pipes, external to the structures, have a depth to soil from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipe shall be bedded and surrounded with 100mm thick granular material.
6. In any circumstances where pipes are bedded and surrounded in concrete, suitable joints should be provided. For flexible joints (fibreglass 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 length of 2m for pipes of 150mm nominal diameter and 36mm for pipes over 450mm nominal diameter.
7. All floor slabs shall have rodding access plates fitted at their bases (ground or floor level).
8. Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.
9. Any discrepancy between the drawing and site should be reported immediately to the Engineer.
10. All manhole and chamber sizes are given as a minimum to meet the SSG Appendix C-Design and Construction Guidance

REV	DATE	INT	DESCRIPTION	CH
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Issue Status

FOR APPROVAL



The Civil Engineering Practice
11 Tungsten Building
George Street
Fishergate
Sussex
BN41 1RA

01273 424424
reception@civil.co.uk
www.civil.co.uk

CUENTA

Barfoots Of Botley

PROJECT

Sefter Farm Extension

THE

Construction Details - Drainage

DRAWN

A Davies

DATE	PROJECT NO.
------	-------------

March 2025

23995

ENGINEER

S Dough

DRG No.

519

SCALE

As Shown @ A-

