

309200N

309150N

309100N



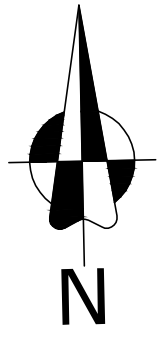
Notes

1. Do not scale this drawing.
2. All dimensions are in millimetres unless stated otherwise.
3. This drawing to be read in conjunction with all other relevant drawings and specifications.
4. All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
5. Some services are present on this site, and the contractor should satisfy himself as to their location prior to commencing any excavations. Any services indicated on the drawings are based on information given on the survey. No warranty is given as to the accuracy of this information and no liability accepted for incorrectly located plant. The contractor is to obtain all necessary utility company information prior to commencing any excavations on site. Contractor is recommended to accurately locate services by hand dug trial holes prior to carrying out mechanical excavation.
6. All works to be carried out in accordance with the requirements of Sewers For Adoption 7th Edition and the Adopting Authorities requirements.
7. All private drainage is to be constructed in accordance with the Building Regulations as current at construction.
8. All drains to have Class S granular bed and surround, except where
a, cover beneath roads or hardstanding is less than 0.9m
b, cover beneath soft landscaping is less than 0.6m
in which case class Z concrete bed and surround is required.
9. Side connections to SW to be 100Ø @ 1/100 gradient and to FW to be 100Ø @ 1/40 unless stated otherwise.
10. All Road gully connections to be 150Ø and all Footway gully connections to be 100Ø unless noted otherwise or tying into existing gully connection.
11. Rain water pipe positions are based on information supplied by the Architect. For accurate positioning refer to Architects details.
12. Rain water pipe connections are to be roddable.
13. Refer to Architect / M&E details for above ground to below ground drainage pipe positions.
14. All pipes to be Clayware or Concrete;
100Ø & 150Ø to be clay to minimum strength class FN 22
225Ø to be clay strength class 120
300Ø and above to be Precast Concrete L, M, or H to BS 5911
15. When connecting to existing drains/sewers the contractor must ensure the final run is roddable.
16. Where new pipes connect into existing pipe runs, connection is to be made by insertion of proprietary pre-formed junction pipe into run using appropriate 'band seal type' repair couplers. Saddle connections are not permitted.
17. Where pipes pass through the manhole wall a joint must be formed within 150mm of the wall.
18. All pipes to enter manhole with soffits level.
19. Where drains pass through footings and openings are formed provide lintels over, ensuring 50mm minimum clearance all around. pipe is to be provided with compressible material surround. the opening is to be masked by rigid sheet, i.e. cement particle board material to prevent ingress of vermin.
20. All chambers to have ductile iron, single seal lock down covers to grade D400 BS EN 124 in road or car park areas and B125 BS EN 124 in all other areas. Recessed covers to be used in areas of block paving. Covers are to be aligned parallel to kerbs, paving orientation or structures unless otherwise shown.
21. New pipeline design is based on the drains final loading on completion of the roads and landscaping above, additional protection may be required to these pipes during construction, particularly the shallower sections.
22. All foul connections are to have rodding access from the base of the stack or point of connection to the below ground drainage to enable the clearance of blockages in the below ground pipework.

Poss notes to be included?
Maintenance of sewers, manholes, drainage channels and silt pits should be inspected at 6 monthly intervals and cleaned out at 12 monthly intervals. A full CCTV survey should also be carried out at 10 yearly intervals. Refer also to specialist drainage channel manufacturer's information and maintenance requirements. In all instances, inspection and cleaning should be carried out only by a specialist contractor and in accordance with the guidelines given in "Safe Working in Sewers and at Sewage Works" published by National Joint Health and Safety Committee for the Water Services.

Plastic Pipes
All private drainage pipes to be Clayware or Plastic. Clay to be minimum FN22. "Plastics" to be BSI 'Kitemarked', Agrément certified, or both. PVC-U solid wall systems to be to BS EN 1401 with fittings to BS 4660 or BS EN 13598-1. Structured wall pipes in PVC-U, PE or PP to be to BS EN 13476-1 and either -2 or -3. All systems to be installed in accordance with manufacturers recommendations and with appropriate bed and surround. Additional concrete protection must be provided where side support may be lost in the future due to parallel trench excavation eg for services or drain repair/replacement.

Possible Plastic Pipe Note:
PVC-U pipes must be able to withstand a jetting pressure resistance of 2600psi without damage as per the 'Sewer Jetting Code of Practice 2nd Edition (2005-2006)' Table 5.2.



Sheet 2 of 2



Sheet 1 of 2

Key

- Foul Drainage
- Foul Manhole
- Backdrop Manhole

P2	Proposed attenuation pond removed	PM	20.04.15
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P1	Preliminary Issue	PM	27.03.15
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Rev	Amendments	Rev'd by	Date
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Client

Ashley King (Developments) Ltd.

Project

Residential Development,
Peterborough Road,
Crowland

Title

Proposed Foul Drainage Plan
Sheet 2 of 2

Job No	1415-0137
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Drawing No	1415-0137-WDK-C-309	Rev	P2
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Status	Preliminary
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Scale	1:250 @A1	Date	Mar.'15
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Project Engineer	Drawn By	PM
	Checked By	GPD
	Approved By	GPD



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