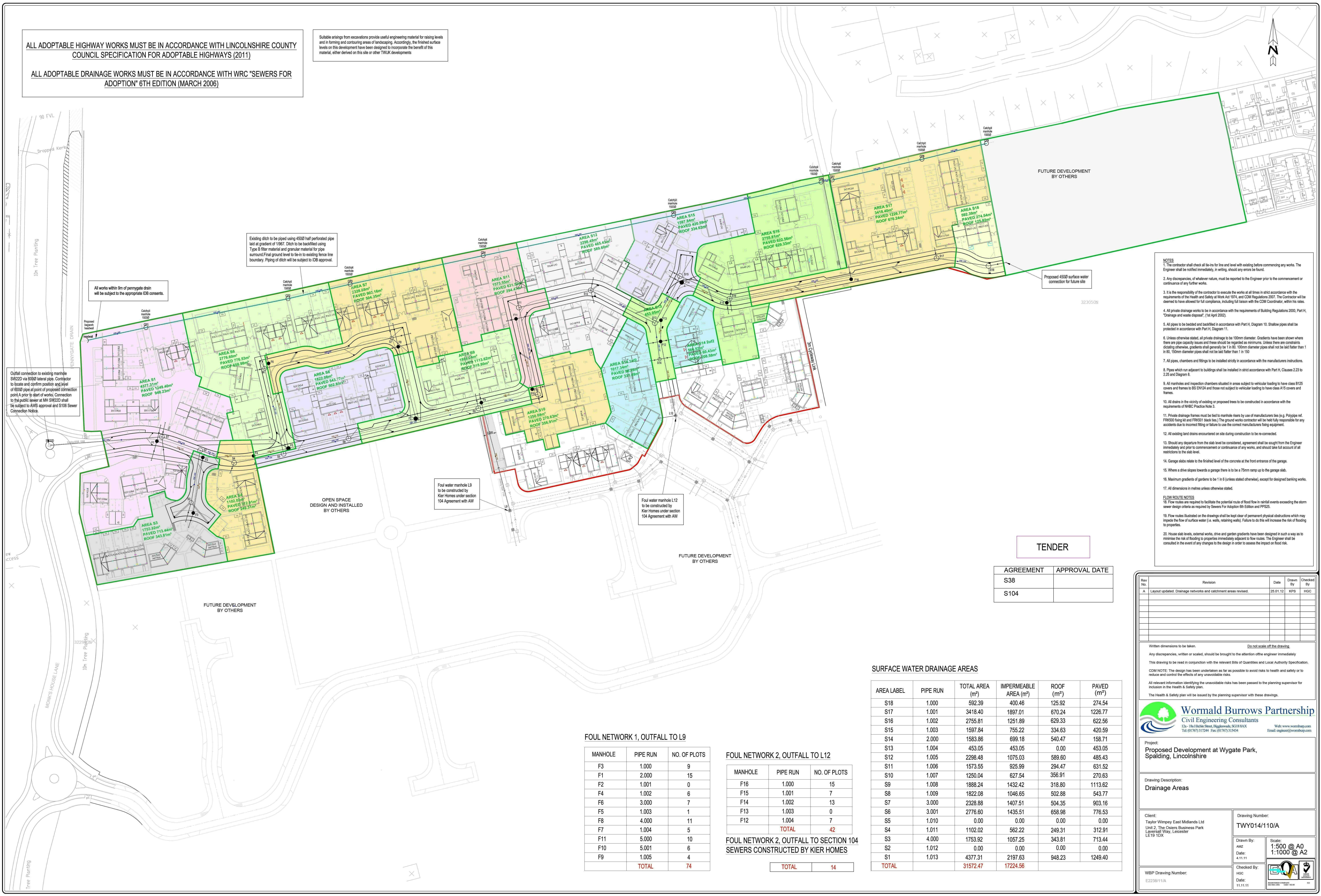


ALL ADOPTABLE DRAINAGE WORKS MUST BE IN ACCORDANCE WITH WRC "SEWERS FOR
ADOPTION" 6TH EDITION (MARCH 2006)

Suitable arisings from excavations provide useful engineering material for raising levels and in forming and contouring areas of landscaping. Accordingly, the finished surface levels on this development have been designed to incorporate the benefit of this material, either derived on this site or other TWUK developments.



1. The contractor shall check all the site for fire and living, with any arising before commencing any works. The Engineer shall be notified immediately, in writing, should any works be found.
2. Any discrepancies, of whatever nature, must be reported to the Engineer prior to the commencement or continuance of any further works.
3. It is the responsibility of the Contractor to ensure the works at all times in strict accordance with the requirements of the Health and Safety at Work Act 1974, and the CDM Regulations 2007. The Contractor will be deemed to have agreed for full compliance, including full liaison with the CDM Coordinator, within his rates.
4. All pit drainage gullies shall be to be accordance with the requirements of Building Regulations 2003, Part H, "Drainage and waste disposal", all pipes to be:
 - a) All pipes to be bedded and backfilled in accordance with Part H, Diagram 10. Shallow pipes shall be protected in accordance with Part H, Diagram 11.
 - b) Unless otherwise stated, all pit drainage to be 100mm diameter. Gradients have been shown where there are no pipe rises; class 2 pipes shall not be regarded as minimum. Unless there are constraints dictating otherwise, gradients shall generally be 1 in 80. 150mm diameter pipes shall not be laid flatter than 1 in 80, 150mm diameter pipes shall be laid flatter than 1 in 150
5. All pipes, chambers and fittings to be installed in accordance with the manufacturers instructions.
6. Pipes which run adjacent to buildings shall be installed in strict accordance with Part H, Clauses 2.25 and 2.25 Annexes.
7. All manholes and inspection chambers situated in areas subject to vehicular loading to have class B125 covers and frames to BS EN124 and those not subject to vehicular loading to have class A covers and frames.
8. All drains in the vicinity of and/or proposed to be constructed in accordance with the requirements of NBS2 Practice Note 1.
9. Private drainage details must be listed to members lists of use manufacturers lists (e.g. Polypipe Ltd, FR5000 given and FR5051 black lists). The ground works contractor will be fully responsible for any errors due to incorrect fitting or failure to use the correct manufacturers list fitting equipment.
10. All existing land drains encountered on site during construction to be re-connected.
11. Should any departure from the above listed conditions, agreement shall be sought from the Engineer immediately and prior to commencement or continuance of any works, and should take full account of all restrictions to the site level.
12. Where a slope extends to the finished level of the concrete at the front entrance of the garage.
13. Where a slope extends towards the garage shall be to be a 75mm ramp up to the garage slab.
14. Maximum gradients of gullies to be 1 in 6 (unless stated otherwise), except for designed banking gullies.
15. All dimensions in metres unless otherwise specified.

FLAT ROOF NOTES

1. Floor areas shall be constructed to facilitate the potential runoff of flood flow in rainfall events exceeding the storm sewer design criteria as required by BS 5950 for Adoption Class D and PPMS2.
2. Floor works illustrated on the Drawings shall be kept of minimum of physical obstructions which may impede the flow of surface water (i.e. walls, retaining walls). Failure to do this will increase the risk of flooding to properties.
3. House and slab levels, external works, drive and garden gradients have been designed in such a way as to minimise the risk of flooding to properties immediately adjacent to the flow route. The Engineer shall be considered in the event of any changes to the ground or assets the access to flood risk.

AGREEMENT	APPROVAL DATE
S38	
S104	

[illegible]

Written dimensions to be taken. Do not scale off the drawing

Any discrepancies, written or scaled, should be brought to the attention of the engineer immediately

This drawing to be read in conjunction with the relevant Bills of Materials and Local Authority Specification.

CDM NOTE: The design has been undertaken as far as possible to avoid risks to health and safety or to reduce and control the effects of any unavoidable risks.

All relevant information identifying the unavoidable risks has been passed to the planning supervisor for inclusion in the Health & Safety plan.

The Health & Safety plan will be issued by the planning supervisor with these drawings.

 **Wormald Burrows Partnership**
Civil Engineering Consultants
12a - 18a Hichen Street, Biggleswade, SG18 8AX
Tel: (01767) 317244 Fax: (01767) 315434
Web: www.wormburp.com
Email: engineer@wormburp.com

Project:
Proposed Development at Wygate Park,
Spalding, Lincolnshire

Drawing Description:

Drainage Areas

Client: Taylor Wimpey East Midlands Ltd Unit 2, The Osiers Business Park Waverley Way, Leicester LE19 1DX	Drawing Number: TWY014/110/A Drawn By: AMZ Date: 4.11.11 Scale: 1:500 @ A0 1:1000 @ A2
WBP Drawing Number: E2238/11/A	Checked By: HGC Date: 11.11.11  LEICESTER EAST MIDLANDS AIRPORT HILLIER GROUP ARCHITECTS BIRMINGHAM CHRYN NEWBURY