

Key to Drainage Details

- F15 Adoptable foul water manhole with reference number.
- S14 Adoptable surface water manhole with reference number
- Adoptable Surface water sewer
- F100.00 Private foul water inspection chamber with invert level.
- F100.00 Private foul water drain with inspection chamber.
- S100.00 Private surface water inspection chamber with invert level.
- Private surface water drain with inspection chamber
- Private surface water drain with rodding eye.
- d-c/Aco Drainage channel / Aco Channel with gully.

The Contractor is to check and verify in conjunction with the Architects details all setting out points, building and site dimensions, levels and sewer invert levels at connection points and ensure that they are fully commensurate with the contents and requirements of the site investigation report before work starts. The Contractor is to comply in all respects with current building legislation, British Standard Specifications, Building Regulations etc. whether or not specifically stated on this drawing.

This drawing is not intended to show details of ground conditions or ground contaminants. Each area of ground relied upon to support any structure depicted (including drainage) must be investigated by the Contractor any areas of formation for self structures which do not accord with the anticipated conditions as described in the site investigation report are to be immediately notified to the Engineer, where applicable. Any suspect fluid ground or ground contaminants on or within the ground should be further investigated by a suitable expert. Any exposures shown indicate typical slopes for guidance only and should be investigated further by a suitable geotechnical expert.

Where existing trees are shown to be retained they should be subject to a full Arboricultural Inspection for safety. All trees are to be planted so as to ensure they are a minimum of 5 metres from buildings and 3 metres from drainage and services, where applicable. A foundation is to be provided to accommodate the proposed tree planting, where applicable.

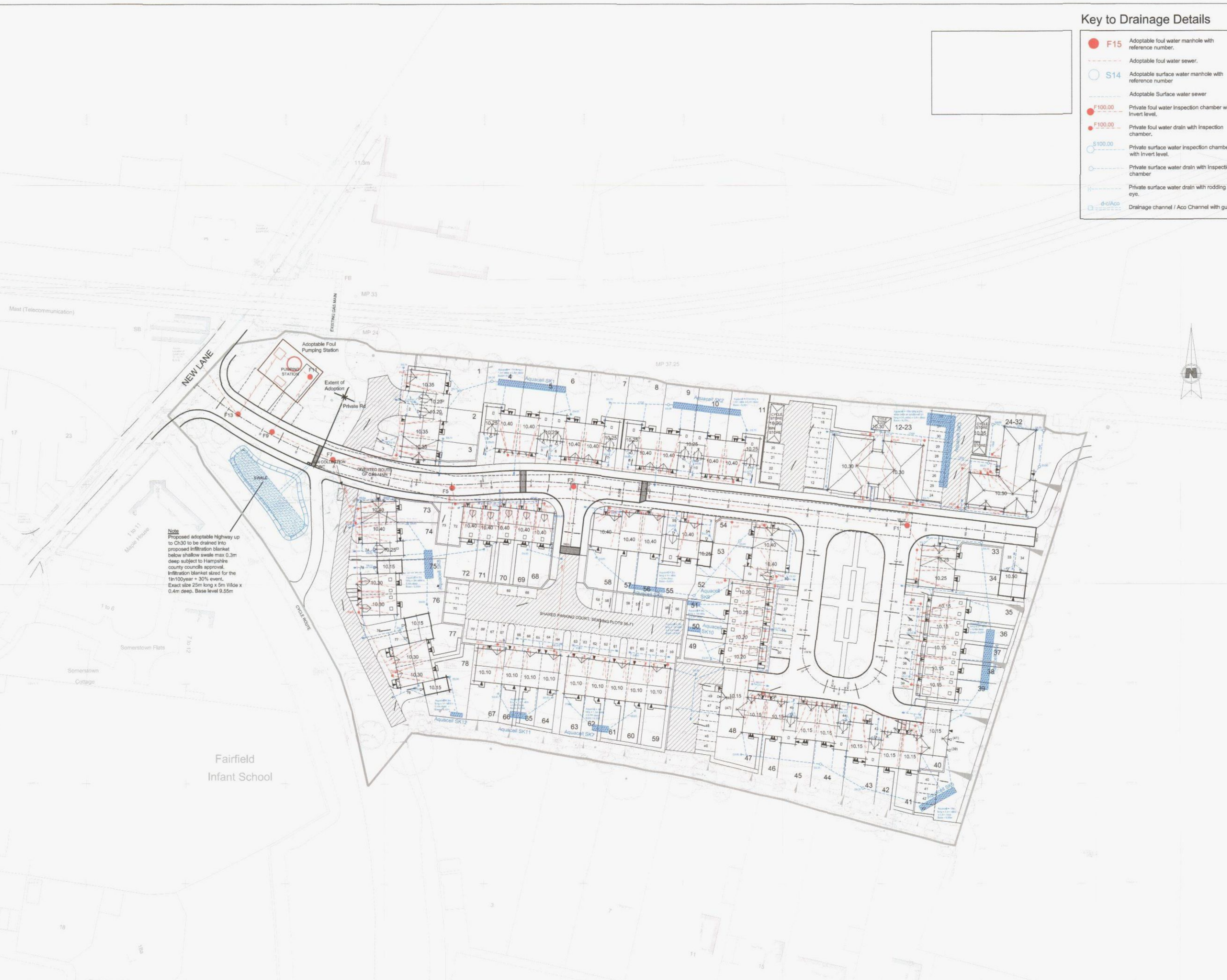
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GENERAL NOTES

- This drawing is to be read in conjunction with relevant architectural and engineering drawings.
- Levels indicated in blocks are Finished floor levels and are 150mm above adjacent finished ground levels unless otherwise shown.

ADOPTABLE ROADS AND SEWERS

- Roads, footways and parking bays which form part of the Highway to be adopted under Section 38 of the Highways Act 1980 shall comply with the requirements of the Adopting Authority.
- Sewers to be adopted under Section 104 of the Water Industries Act 1991 shall comply with the Water Authorities Association "Sewers for Adoption 6th Edition" with any amendments specified by the Adopting Water Authority.
- All pipes to be used in adoptable sewerage shall be either drywires to BS EN 205 or concrete to BS EN 1218 and BS 5911: Part 1 with Class 3 bedding unless otherwise stated. With approval of the Adopting Authority solid wall concrete external rib reinforced uPVC pipes complying with the relevant provisions of BS EN 13476 may be used.
- Where cover to a pipe is more than 1200mm under adoptable carriageway the trench shall be filled to formation of the carriageway with well compacted DTP Type 1 material.
- Where cover to a pipe is less than 1200mm under adoptable carriageway it shall be provided with concrete protection in accordance with the specification of the adopting authority and back filled to formation of the carriageway with well compacted DTP Type 1 material. Where concrete bed and surround is specified flexibility of joints is to be maintained by using compressible bitumen impregnated fibreboard at each pipe joint.
- All existing drainage invert levels, diameters and locations are to be checked by the Contractor prior to the commencement of any proposed drainage work. Any difference between actual and drawn details is to be reported to the Engineer immediately.
- Positions of existing services/utility underground apparatus adjacent to or crossing proposed sewers is to be checked by the Contractor prior to starting work.

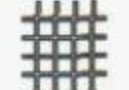


PRELIMINARY
DRAWING

FOR INFORMATION ONLY

HAVANT BOROUGH COUNCIL 24 MAY 2013 RECEIVED			
D	Updated to suit revised planning layout.	20.03.13	SCM
C	Plot 33 garage amended	9.7.12	TL
B	New Layout added. Drainage and levels amended to suit.	15.6.12	TL
A	New Layout added. Drainage and levels amended to suit. New access construction added.	27.2.12	TL

Rev.	Description	Date	By
Client			
Bloor Homes			
Project			
Fairfield Road Havant			
Title			
Engineering Layout (Private Scheme)			


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Scale	1:500	Drawn	TL
Date	June 11	Checked	
File	11010/Hav-110	Drawing	11010 / 110 D