



- Notes:**
1. All domestic drainage to be 100% U.N.O. Minimum gradient for 100% SW is 1:100 and 100% FWS 1:80 (at least one we connected otherwise 1:40) and 1500 is 1:150, bedding for domestic drainage Class B. All pipes are near buildings to comply with the Building Regulations 2002 Part H1.
 2. All works to be in accordance with WRC 'Sewers for Adoption 7th Edition', the requirements of the Statutory Undertaker, the local Authority and BS8301 1995.
 3. The contractor must comply with all current legislation relating to Health and Safety. The contractor must familiarise himself with all service companies records of existing plant locations prior to any excavation works. All existing services/sewers to be investigated. Any interference to be reported to the engineer immediately.
 4. All concrete and concrete products to be in accordance with BRE 363 for subsoils.
 5. Position of soil pipes, standing wastes, we outlets etc. are shown on the architect's working drawings.
 6. Rainwater downpipe positions are to be checked against architect details to ensure compatibility. Rainwater does not pass through the building to have suitable roofing details.
 7. Where joints fall towards the front door use suitable linear drain drainage system. To be connected to surface water system.
 8. Surface water drainage connected to catch manhole prior to discharge to attenuation tank.
 9. This drawing is to be used in conjunction with all relevant engineering drawings issued by Escher Silverman for this site only.

Key

- Existing foul sewer; Manhole reference and invert level shown
- Existing surface water sewer; Manhole reference and invert level shown
- Type 2 adopted manhole

- Domestic foul water drain (38.50)
- Domestic surface water roofing gire and drip, invert 450mm below ground level unless noted otherwise (38.80)

- Acid drainage channel
- Proposed Aquacell attenuation tank. Sized to cater for 1 in 100yr storm +30% climate change. Discharge limited to 5 litres/sec through Hydro-Brake manhole

- Proposed Site Levels
- Existing surveyed levels
- Surfacing crossfalls

- Polypropylene Inspection Chamber Types:**
- Type 3 - 450mm Ø
 - Type 4 - 250mm Ø
 - 450mm Silt Trap

Rev.	Date	Details	Initials
B	25/07/14	Layout revised	KN
A	30/10/13	First issue	KN

PRELIMINARY FOR INFORMATION

Project
Extra Care Site: Old Park Farm
Waterlooville



ESCHER SILVERMAN
Civil & Structural Consulting Engineers
The Shells, Lane Barn Road, Southsea, Portsmouth, PO5 0RE.
Tel: 01794 521213 Fax: 01794 521295 email: mail@escher-silverman.co.uk
www.escher-silverman.co.uk

Drawing Title			
Engineering Details			
Drainage Strategy			
Drawn	Checked	Scales	Date
KN	KAM	1:250	DATE
Job No.	Drawing No.	Revision	Revision
ES1413	502-01P		B