



- 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 main 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 checking and checking all information and taking due care and attention whilst undertaking the works.
 5. All pipes, joints and junctions shall be verified clay to BS EN 205-1, with flexible joints and kilnmark certified. Alternatively all pipes and fittings can be UPVC conforming to BS EN 1401-1 and shall be laid in accordance with the manufacturer's specification. If UPVC pipes are to be used then the manufacturer shall be approved by the Engineer prior to construction.
 6. All adoptable sewers shall be in strict accordance with the current edition of Sewers For Adoption. Unless otherwise stated adoptable sewers shall be 150mm diameter and shall be laid in a class 'S' bedding. Where the depth to soil is less than 1.2m under a public highway or 0.9m elsewhere the pipe shall be laid with a class 'B' bedding.
 7. All private building drainage shall be constructed in strict accordance with BS EN 752:1996. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid in class 'B' bedding unless otherwise specified.
 8. Where a pipe is within 1m of a foundation the trench shall be filled with class 'G3' concrete up to the base of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class 'G3' 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 'G3' concrete.
 9. Where pipes, external to the structures, have a depth to suit from ground level of less than 450mm they shall have a class 'G3' concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 150mm thick granular material.
 10. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compressible boards (fibreglass or polystyrene) shall be provided at a maximum of 8m centres (pointed up with pipe joints). The boards shall be provided to pipe diameter and to a height and width equal to the concrete cross section. A board thickness of 16mm for pipes up to 450mm nominal diameter and 25mm for pipes over 450mm nominal diameter.
 11. All syphons shall have rodding access plates fitted at their bases (ground floor level).
 12. Where existing pipes are to be abandoned they shall be dug out together with any abandoned manholes.

LEGEND:

Existing Adopted Sewers

- Existing Foul
- Existing Storm
- Existing drainage to be removed

Private Storm Drainage

- S3 Type 3 inspection chamber (min1500)
- S4 Type 4 inspection chamber (min1800)
- RE Surface water rodding eye
- RG Road gully
- YG Yard gully
- PSA Private precast concrete ring soakaway
- Private trench soakaway
- ACD ACD channel

Highway Drainage for Adoption

- HW Highway pc ring manhole
- RG Road gully
- HWSA Highway soakaway
- Highway drainage drain

Private Foul Drainage

- Proposed foul water pipe

Foul Sewers for Adoption

- F3 Backdrop
- F4 Foul pc ring manhole
- F3 Type 3 inspection chamber (min1500)
- F4 Type 4 inspection chamber (min1800)

Services Stop

- Tree protection zone
- Existing water main to be retained and easement

NOTES:
For drainage construction details see drawing 2206/7500/505
For manhole and soakaway schedules see drawing 2206/7226

D	02.09.14	AJD	Drainage updated to suit new tree layout
C	06.08.14	AJD	Drainage updated to suit 'Value Engineering' comments. Site layout updated to suit current external works
B	22.07.14	AJD	Highway drainage design updated to suit new soakaway rate
A	17.06.14	AJD	Drainage updated

Issue Status: **TENDER**

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CLIENT: Barratt David Wilson Southampton
PROJECT: Swanbourne Park Angmering
TITLE: Site Layout Proposed Drainage Sheet 2 of 4
DATE: May 2014
DRAWN: A Davies
CHECKED: A French
SCALE: 1:250 @ A1
PROJECT NO: 22067
DRAW NO: 222
REV: D