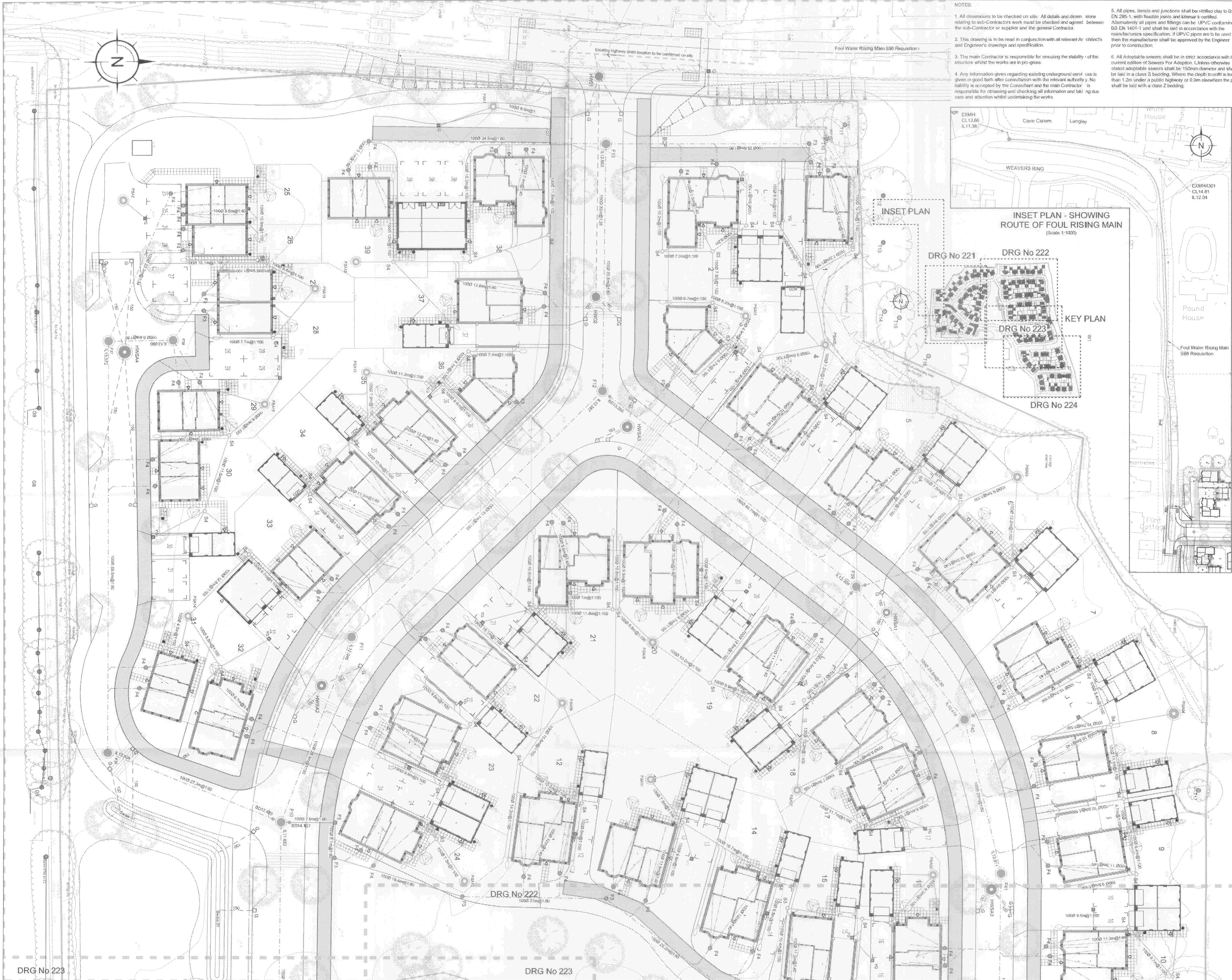




NOTES:

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 general contractor.
2. This drawing is to be read in conjunction with all relevant Architect's and Engineer's drawings and specifications.
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 responsible for obtaining and checking all information and taking due care and attention whilst undertaking the works.
5. All pipes, bends and junctions shall be verified by clay to BS EN 295-1, with flexible joints and kiln-dried. 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 3 bedding. Where the depth to invert is less than 1.2m under a public highway or 0.8m elsewhere the pipe shall be laid with a class 2 bedding.
7. All private building drainages shall be constructed in strict accordance with BS EN 752:1996. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid on 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 GEN 3 concrete up to the lowest level of the foundation. Where the trench is further than 1m from the foundation, the trench shall be filled with class GEN 3 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 GEN 3 concrete.
9. Where pipes, external to the structures, have a depth to invert from ground level of less than 450mm they shall have a class GEN 3 concrete encasement (150mm thick). In all other cases the pipes shall be bedded and surrounded with 100mm 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 (commencing with pipe joints). The boards shall be pre-cut to pipe diameter and to a height and width equal to the concrete cross-section. A board thickness of 18mm for pipes up to 450mm external diameter and 30mm for pipes over 450mm external diameter.
11. All types 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 (min 4500)
 - S4 Type 4 inspection chamber (min 8000)
 - RE Surface water rodding eye
 - RG Road gully
 - YG Yard gully
 - PSA Private precast concrete ring soakaway
 - ACO Private trenches soakaway
 - ACO ACO channel
- Highway Drainage for Adoption
- HW Highway pc ring manhole
 - RG Road gully
 - HWSA Highway soakaway
 - Highway drainage swale
- Private Foul Drainage
- Proposed foul water pipe
- Foul Sewers for Adoption
- F01 Backdrop
 - F3 Foul pc ring manhole
 - F4 Type 3 inspection chamber (min 4500)
 - F5 Type 4 inspection chamber (min 8000)
- Services Stop
- Time protection zone
- Existing water main to be retained and easement

NOTES:
For drainage construction details see drawing 2206/600-615
For manhole and soakaway schedules see drawing 2206/7226

D1	02.09.14	AJD	Drainage updated to suit new time to void
C	06.08.14	AJD	Drainage updated to suit 'Valian Engineering' comments. Site layout updated to suit current external works
B	22.07.14	AJD	Highway drainage design updated to suit new sewage rate
A1	17.05.14	AJD	Drainage updated
REV	DATE	BY	DESCRIPTION

Issue Status

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the
Civil
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Practice

CLIENT: Barratt David Wilson Southampton
PROJECT: Swanbourne Park
Anymering

TITLE: Site Layout
Proposed Drainage
Sheet 1 of 4

DESIGN: A Davies
DRAWN: A French
SCALE: 1:250 @ A1

DATE: May 2014
PROJECT NO: 22067
SHEET NO: 221
DRAWING NO: D