NOTES:

1. All dimensions to be checked on site. All work and fabrication relating to site construction work must be checked and agreed between the sub-contractor or supplier and the overall Contractor.

2. This drawing is to be read in conjunction with all relevant Architects 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 utility/service apparatus encountered during excavations is given in good faith after consultations with the relevant authority but cannot be guaranteed by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking due care and precautions when undertaking the works.

5. All pipes, bends and junctions shall be manufactured to BS EN 295-1, and flexible joints and mechanical connections in private and foul drainage shall comply with BS EN 1401-1 and shall be in accordance with the manufacturers specifications. If a WRAS approval is used then the manufacturer shall be approved by the Engineer prior to installation.

6. All excavations adjacent to or which encroach within the current edge of Sewers For Adoption (foul, surface or combined) shall have concrete under the 135deg. diameter and above the level of a 45deg. line from the bottom of the trench, which shall be filled with mass GEN 3 concrete to the underside of the pipe bedding. Where the depth to the base of the trench is less than 1.0m under a public highway no concrete encasement shall be used, but shall be filled with a class 2 bedding.

7. All private building drawings shall be constructed in accordance with BS 8301:1985. Unless otherwise specified building drainage shall be 100mm diameter and shall be laid to a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains. All building drains shall be laid to have a flushing speed of not less than 0.75m/s when running full.

8. Where a pipe is within 1m of a foundation the trench shall be filled with mass GEN 3 concrete up to the underside of the foundation. Where the trench is further than 1m from the foundation the trench shall be filled with mass GEN 3 concrete to a level 150mm below the lowest point for the foundation equal to the distance from the foundation plus 150mm. In both cases the pipe shall be bedded and surrounded in 150mm thick mass GEN 3 concrete.

9. Where pipes, adjacent to the structure, pass a existing soil from ground level all new drainage shall be surrounded in mass GEN 3 concrete encased in 150mm thick. As far as is reasonably practicable the pipes shall be installed and surrounded with 150mm thick granular material.

10. In any circumstances where pipes are bedded and surrounded in concrete flexible joints should be provided. Compression joints (flexcseal or similar) shall be provided at a maximum of 6m centres (depending on the pipe). Proprietary products provided by pipe manufacturer and to a design and width equal to the nominal pipe diameter.

11. All pipes shall have cradling across pipe offset from faces (ignored from work).

12. Where existing pipes are to be encased/cradled shall be dug out together with any adjacent trenches.

INSET PLAN

INSET PLAN - SHOWING ROUTE OF FOUL RISING MAIN

DRG No 401

DRG No 402

DRG No 403

DRG No 404

KEY PLAN

DRG No 402

DRG No 403

DRG No 403

LEGEND:

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

Private Storm Drainage
- Type 3 Manhole or chamber (mm/dia)
- Type 4 Manhole or chamber (mm/dia)
- Surface water cradling (yd)
- Foul pipe (mm/dia)
- Foul pipe (mm/dia)
- Private gravity connecting chamber
- Private trench soakaway
- RED channel

Highway Drainage for adoption
- Highway gully (mm) manhole
- Foul gully
- Highway soakaway
- Highway drainage pipe

Private Foul Drainage
- Proposed foul water line

Foul Connection Adoption
- Foul connection
- Type 3 inspection chamber connection
- Type 4 inspection chamber connection

Service Strip
Kerb Upstand Line
Existing water main to be retained

NOTE:
For drainage construction, refer to the Drainage Specification
For materials & workmanship, refer to the Engineering Specification

FOR APPROVAL

13 Penguin Building
George Street
Pitchcombe
Somerset
Short 1BA
Tel: 01272 123456
Fax: 01272 123456
email: info@pbc.co.uk

Civil Engineering Practice

Barratt David Wilson Southampton

Southbourne Park

Engineering

Section 104 Agreement Plan

Proposed Drainage

Sheet 1 of 1

A. Drawn	Date 2014	22087
Checked		
A. Approved		401
Scale		

1:250 @ A1, 1:500 @ A3

ARUN DISTRICT COUNCIL A/1375/4/DOC