DRG No 401

DRG No 402

DRG No 403

DRG No 404

KEY PLAN

DRG No 403

N

LEGEND

Existing Adjacent Boundary

Existing Kerb

Existing Steps

Existing drainage to be removed

Private Block Drainage

Type 3 Manhole (for diameter 1200/1500)

Type 4 Manhole (for diameter 1200/1500)

Surface water trapping gully

Road gully

Yard gully

Private cellular rainwater regulation tank

Private Pond/Attenuation

450 diameter

Highway Drainage for Adoption

Highway surface water manhole

Road gully

Highway soakaway

Highway drainage swale

Private Pond Drainage

Proposed flood bund slope

Pond Structure for Adoption

Pond surface water manhole

Type 3 Manhole (for diameter 1200/1500)

Type 4 Manhole (for diameter 1200/1500)

Bermuda Step

Flow control device

Existing water mains to be relayed and protected

NOTES

For drainage construction details see drawing SD07/005

For manhole schedules see drawing SD07/006

NOTES

1. All dimensions to be checked on site. All setting out dimensions relating to road construction work must be checked and agreed between the Main Contractor, or supplier and the general Contractor.

2. This drawing is to be read in conjunction with all consultant's drawings and Engineer's drawings and specifications.

3. The Main Contractor is responsible for ensuring the stability of the structure during the whole construction.

4. Any information given regarding existing underground services given in good faith after consultation with the relevant statutory authorities is accepted by the Consultant and the main Contractor is responsible for obtaining and checking all information and taking the care and attention which is necessary on the works.

5. All joints, bends and positions shall be satisfactorily sealed with PVC with flexible joints and rubbers certified. Acknowledge is given that things can be CPVC conforming to BS EN 1329-1 and shall be laid in accordance with the manufacturer's specifications. If UPVC pipes are to be used these are prescribed or shall be approved by the Engineer prior to construction.

6. All foundations passing close to or laid in accordance with the current editions of Sewers for Adoption, Volume other recommended solutions ensure that no 150mm diameter pipes are laid in a zone 5 building where the depth to crown is less than 1.0m under a public highway or 0.6m elsewhere the zone shall be laid under a zone 2 building.

7. All private building drainage shall be constructed in accordance with BS EN 752:1996, unless otherwise shown on construction drawings and the 100mm diameter and larger shall be laid at a minimum gradient of 1 in 40 for foul drains and 1 in 80 for surface water drains, all building lines shall be laid on mass in existing unless otherwise specified.

8. Where a pipe is within 1m of a foundation the trench shall be filled with mass 15N/ 2 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 mass 15N/ 2 concrete to a level below the lowest level for the foundation, except for the clearance from the foundation (see 750mm in the case where the pipe shall be bedded and surrounded in 150mm thick mass 15N/ 2 concrete.

9. Where piping, external to the structure, runs underneath ground floor of more than 600mm deep shall be encased in mass 15N/ 2 concrete and reinforced 1200mm thick, in all other cases the pipes shall be bedded and surrounded with 150mm thick granular material.

10. In any location where pipes are crossed or encountered in concrete floor slabs, lintels, foundations or other concrete work, the concreting or pour/placing shall be provided at a minimum of 5m distance surrounding each pipe centre. The opening shall be provided with cast diameter and to a height and a dia equal to the concrete core section. A bond thickness of 50mm for pipes up to 450mm nominal diameter and 80mm for pipes over 450mm nominal diameter.

11. All pipe shall have rodding access chambers at the same ground floor level.

12. Where existing mains are to be abandoned they shall be capped together with any connected services.

Issue Status: FOR APPROVAL

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Hi Civil Engineering Practice

Client: Barratt David Wilson Southampton

Project: Swan Course Park
Angmering

Title: Section 104 Agreement Plan
Proposed Drainage
Sheet 4 of 4

Scale: A1 Drawn: Date 09/04
A3 Checked:

Job No: 22067

Drg No: 404

1250 @ A1, 1500 @ A3