THE ARRANGEMENT OF BUILDING DRAINAGE SHOULD BE GENERALLY IN ACCORDANCE WITH THE STANDARD DRAWING BEM/OSMA/1

NOTE: AREA WITHIN CLOUD IS ALREADY CONSTRUCTED. DRAINAGE ROUTE OF THESE PLOTS TO BE CONFIRMED AND REPOPRTED TO CONSULTANT BEFORE COMMENCING WORK ON NEW PLOTS

proposed 750mm dia road crossing culvert with brick end headwalls and post and 4 rail timber fence

45m 3.0 x 1.0m box culvert section with shallow vee invert

27m 3.0 x 1.0m box culvert section with shallow vee invert

Shared Private Driveway

Shared Private Driveway

NOTES

1) ALL BUILDING DRAINAGE IS TO COMPLY WITH BS8301 AND PART H BUILDING REGULATIONS

2) BUILDING DRAINAG PRODUCTS SHALL BE POLYPIPE SYSTEM AS PER STANDARD DETAIL DRAWING BEM/SD3. PIPES SHALL BE 100MM DIAMETER UNLESS OTHERWISE STATED ON THE DRAWINGS

3) PIPE BEDDING MATERIAL TO BE CLASS B 100MM THICKNESS. GRANULAR MATERIAL TO BE 10MM SINGLE SIZE

4) BACKFILL IS TO BE SELECETED FILL FREE FROM STONES LARGER THAN 40MM, CLAY MATTER, VEGETABLE MATTER AND FROZEN MATERIAL

5) MANHOLE COVERS IN DRIVES SHALL BE TO SSEN 124

6) ALL DRAINS IN THE VICINITY OF TREES SHALL BE CONSTRUCTED IN ACCORDANCE WITH NHBC PRACTICE NOTE 3

7) ALL FINAL CONNECTIONS TO THE ADOPTABLE PUBLIC SEWER SHALL BE 150MM DIAMETER UNLESS OTHERWIES STATED

8) MANHOLE COVERS WITHIN GARAGES SHALL BE AVOIDED WHERE PRACTICABLE. IF REQUIRED, THEY SHALL BE FITTED WITH APPROVED SEALED COVERS

9) WHERE ANNOTATED, SURFACES SHALL BE PROVIDED WITH A DRAINAGE UPSTAND TO PREVENT THE RISK OF OVER WASH. REFER TO STANDARD DETAIL BEM/SD/2

LEGEND

- VIT CLAY RODDING EYE WITH ALLUMINIUM SCREW DOWN COVER IE HEPWORTH CODE 262 OR SIMILAR
- 450MM DIA PLASTIC ACCESS CHAMBER MAX DEPTH 1.2M IE HEPWORTH CODE PPC100 OR SIMILAR
- CONCRETE MANHOLE SECTION DEPTH EXCEEDING 1.2M DIMS TO SUIT REGS H3 TABLE 9 OR APPROVED NON-MAN ENTRY PLASTIC ALTERNATIVE
- 225 DIA VIT CLAY INSPECTION CHAMBER MAX 450MM DEEP IE HEPWORTH IC200 OR SIMILAR
- 450MM DIA PLASTIC ACCESS CHAMBER MAX DEPTH 1.2M IE HEPWORTH CODE PPC100 OR SIMILAR
- CONCRETE MANHOLE SECTION DEPTH EXCEEDING 1.2M DIMS TO SUIT REGS H3 TABLE 9 OR APPROVED NON- MAN ENTRY PLASTIC ALTERNATIVE
- BG / YG: TRAPPED BOTTLE GULLY MIN 100 X 150 WATERWAY; MIN 375MM DIA 450MM DEEP TRAPPED GULLY WITH C250 STANDARD GRATING MIN 0.65 SQUARE METRE WATERWAY AREA
- MODULAR / CELLULAR CRATE STORAGE SYSTEM- DIMENSIONS AND PREFERRED SYSTEM INDICATED ON DRAWINGS
- PCC RING SOAKAWAY SYSTEM- RING DIAMETER AND LEVELS STIPULATED ON DRAWINGS

DRAINS LAID CLOSE TO FOUNDATOINS

Where a pipe passes through a structural wall section H1 appx. A10 B.Regs. applies.

Where D is less than 1.0m concrete fill to level of foundation bottom.

150mm

Where D is 1.0m or more, concrete fill is to be within D 150mm of level of foundation bottom.

The site manager is to inspect all excavations for stability prior to any personell entering the trench. If any doubt whatsoever exists regarding the state of the ground the operative must refer the issue to the manager prior to entering the trench.

Site staff must observe all normal trench precautions for any excavation . Risks to staff include trench collapse due to plant or materials loading, trench instability due to running conditions or shrinkage and expansion, and gassing risk due to ground gasses or contact with live sewerage.

Appropriate method statements must be in place for these operations and the operatives must have demonstrated to the principal contractor evidence of their training and competance in respect of such works

Additional risks include falls from height and the potential for debris to be kicked into trenches. Appropriate barrier systems must be used where necessary

In deep systems, and at the discretion of the planning supervisor, trench working may be defined as confined spaces working and additional safety precautions including compliance with specific legislation, must be taken. Escape plans must be in place and gas monitoring equipment available.

With effect from 01 November 2008 Barratt Developments has entered into a dual supply arrangement with Buntens and Keyline for the provision of storm and foul drainage product, which will consist of all pipe work including fittings (concrete, clay and plastic), manhole rings, cover slabs, road gullies, cast iron covers gully gratings and concrete slabs, kerbs and edgings.

REV.	DESCRIPTION	DATE	INITIAL

PURPOSE OF ISSUE	REV.	DATE

STEPHEN DAYKIN CONSULTING Ltd
A civil engineering design consultancy for the development industry
33 Beaumaris Drive, Gedling
Nottingham NG4 2RA
Phone 0115 9404321 Fax 0115 9404184
e-mail stephen@stephendaykinconsulting.co.uk

PROJECT: PROPOSED RESIDENTIAL DEVELOPMENT AT THE COMMON, BARWELL

CLIENT: DAVID WILSON HOMES EAST MIDLANDS

TITLE: DWH BUILDING DRAINAGE LAYOUT

DRAWN:	CHECKED:	DATE:
CLW		15/6/09

SCALE: 1:200

DWG No: E134/1000

REV: