



CDM RESIDUAL RISKS

The work shown on this drawing is both familiar to the designers and routinely safely built in similar circumstances by competent contractors.

Risks are not considered significant.

Relevant data is included in the Pre-Construction Information Pack

Signed: J. BROWN Date: 24.01.23

DO NOT SCALE THIS DRAWING FOR CONSTRUCTION PURPOSES. CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER

DRAINAGE KEY

- PROPOSED ADOPTABLE FOUL WATER SEWER
- PROPOSED ADOPTABLE SURFACE WATER SEWER
- PROPOSED ADOPTABLE SURFACE WATER FLOW CONTROL CHAMBER
- PROPOSED RAIN GARDEN
- PROPOSED RISING MAIN AND ASSOCIATED CHAMBER

SURFACE WATER DRAINAGE  
TOTAL SITE AREA (RED LINE)  $\approx 78,966m^2$   
IMPERMEABLE AREA:  
ADOPTABLE ROAD  $\approx 10,381m^2$   
PRIVATE ROAD  $\approx 6586m^2$   
HOUSING PARCELS 65% IMPERMEABLE  
Incl. 10% URBAN CREEP  $\approx 26110m^2$   
SHOP AREA 100% IMPERMEABLE AREA  $\approx 1311m^2$   
TOTAL IMPERMEABLE AREA  $\approx 44,388m^2 = 4.44ha$   
  
STORAGE:  
DISCHARGE RATE =  $5.7l/s/ha$  (H124)  
MAXIMUM DISCHARGE RATE  $\approx 25.31l/s = 25l/s$   
ATTENUATION VOLUME  $(1in100+40\%CC) = 3459m^3$   
BED LEVEL : VARIES  
TWL : VARIES (BASED UPON 300mm FREEBOARD)  
  
TOP OF BASIN LEVEL: VARIES  
BASIN SLOPES 1 IN 4 (INTERNAL)  
1 IN 3 (EXTERNAL)

GENERAL NOTES

- DO NOT SCALE
- THE CONTRACTOR IS TO CHECK AND VERIFY ALL BUILDINGS AND SITE DIMENSIONS AND LEVELS, INCLUDING SEWER INVERT LEVELS, BEFORE WORKS START ON SITE. THE CONTRACTOR IS TO COMPLY IN ALL ASPECTS WITH THE CURRENT BUILDING LEGISLATION, BRITISH STANDARDS, BUILDING REGULATIONS ETC.
- POSITIONS OF EXISTING SERVICES/STATUTORY UNDERTAKERS APPARATUS ADJACENT TO OR CROSSING PROPOSED EXCAVATIONS ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO STARTING WORK
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH AND CHECKED AGAINST ALL OTHER DRAWINGS, ENGINEERING DETAILS, SPECIFICATION AND ANY STRUCTURAL, GEOTECHNICAL OR OTHER SPECIALIST DOCUMENT PROVIDED.
- ANY ANOMALY OR CONTRADICTION BETWEEN ANY OF THE ABOVE IS TO BE REPORTED TO CLARKEBOND'S ENGINEER.
- ARCHITECTS LAYOUT INFORMATION PROVIDED BY BLOOR HOMES LTD REFERENCE BLOA3039\_3001 FRAMEWORK MASTERPLAN REV F.

DWG INFO: \\32-BR-APP01\DATA-BRISTOL\B05313-SOUTH FARM, WICKWAR\01\_WEP\_DR\_DRAWINGS\SW115-EN-505PGC-0506PG4(PHASE 4) DRAINAGE STRATEGY

0 10 20 30 40 50  
SCALE 1:500 (A1)  
METRES

| Rev       | Detail   | By  | Chk | Date     |
|-----------|--|-----|-----|----------|
| P04       | IMP. AREAS AND CALCS UPDATED TO SUIT NEW MASTERPLAN. | MY  | JB  | 24.01.23 |
| P03       | BASIN LAYOUT UPDATED.                                | JB  | SI  | 21.09.22 |
| P02       | BASE LAYOUT UPDATED. DRAINAGE AMENDED.               | JLH | SI  | 15.12.21 |
| P01       | PRELIMINARY FIRST ISSUE.                             | JLH | JP  | 14.09.21 |
| Revisions |  |     |     |          |

**BLOOR HOMES**

Project  
**WICKWAR**  
  
**B05313**  
  
Drawing Status  
**INFORMATION**

**clarkebond**  
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Drawing Title  
**DRAINAGE STRATEGY**  
  
**SHEET 2**

Project No.  
**B05313**

Drawing No.  
**EN-506**

Scale  
1:500

Date  
14.09.21

Drawn  
JLH

Checked  
JP

Sheet Size  
A1

Revision  
**P04**

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