

DWG. INFO: \\32-BR-APP01\DATA-BRISTOL\B05313-SOUTH FARM, WICKWAR\01_WFDR_DRAINAGE\B05313-EN-505P05-0506P04(PHASE 4) DRAINAGE STRATEGY



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.

Drawing Title

DRAINAGE STRATEGY

SHEET 1

Project No.		Drawing No.	
B05313		EN-505	
Scale	1:500	Date	14.09.21
Drawn	JLH	Checked	JP
Sheet Size	A1	Revision	P05



Project
WICKWAR

B05313

Drawing Status
INFORMATION

clarkebond

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Rev	Detail	By	Chk	Date
P05	IMP. AREAS AND CALCS UPDATED TO SUIT NEW MASTERPLAN.	MY	JB	24.01.23
P04	BASIN LAYOUT UPDATED.	JB	SI	21.09.22
P03	BASE LAYOUT UPDATED. DRAINAGE AMENDED.	JLH	SI	15.12.21
P02	RISING MAIN ADDED.	JLH	JP	30.09.21
P01	PRELIMINARY FIRST ISSUE.	JLH	JP	14.09.21

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