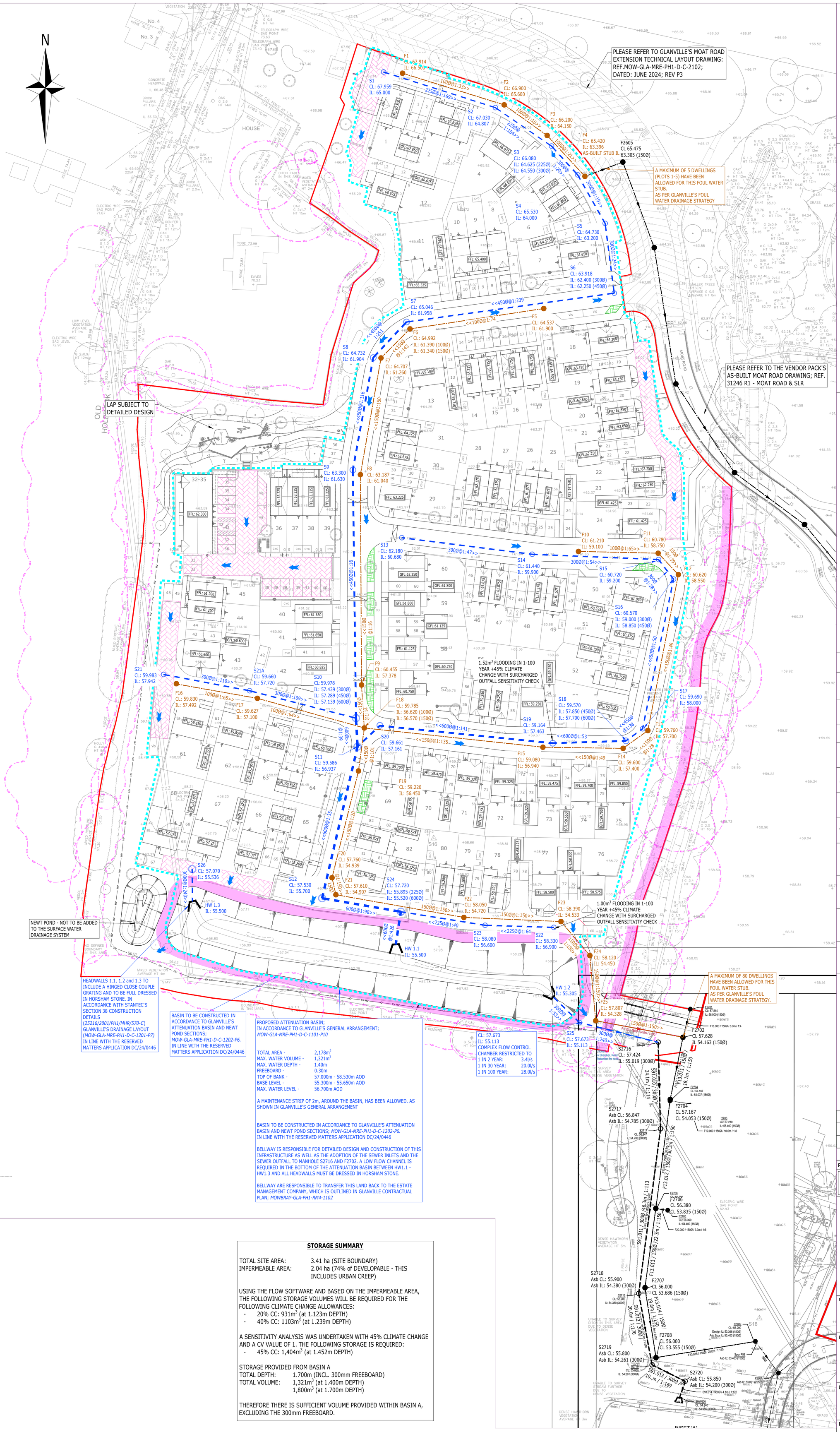

NOTES:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION, INC. RISK ASSESSMENTS AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. DO NOT SCALE FROM THIS DRAWING. WORK FROM FIGURED DIMENSIONS ONLY.
3. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
4. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
5. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
6. ANY WORKS OUTSIDE RED SITE BOUNDARY ARE FOR INFORMATION PURPOSES ONLY. UNLESS SPECIFICALLY NOTED, ALL WORKS OUTSIDE THE SITE BOUNDARY WILL BE UNDERTAKEN BY OTHERS UNDER A SEPARATE CONTRACT.

KEY

- SITE BOUNDARY
- PROPOSED DEVELOPABLE AREA
- PROPOSED FOUL WATER SEWER
- PROPOSED SURFACE WATER SEWER
- EXISTING FOUL WATER SEWER
- EXISTING SURFACE WATER SEWER
- ROOT PROTECTION AREA
- PROPOSED HEADWALL
- FLOOD EXCEEDANCE ROUTE ARROWS (100 YEAR + 45% CC)
- FFL: 47.850 FINISHED FLOOR LEVEL
- GFL:47.850 GARAGE FLOOR LEVEL
- DIVERTED HV CABLES
- EXISTING HV CABLES
- 3m MAINTENANCE STRIP
- RAIN GARDEN
- PERMEABLE PAVING

INFORMATION SUMMARY

INFORMATION TYPE	SOURCE	REFERENCE	REVISION & DATE
SITE LAYOUT	MDD	BSC-010-SL-01	29/09/26 Rev. B
TOPOGRAPHICAL SURVEY	MKSURVEYS	27971 001-006	JAN 2020 REV. -
ROOT PROTECTION AREA	PJC	PJC/5265/20/A 002-003	13/07/2020 REV. 2
MOAT ROAD AS-BUILT SURVEY	VENDOR PACK	31246- R1 MOAT ROAD AND SLR	-
STRATEGIC SURFACE WATER DRAINAGE	GLANVILLE	MOW-GLA-PH1-RM4-1104	14.06.2024 REV FC1
STRATEGIC FOUL WATER DRAINAGE	GLANVILLE	MOW-GLA-PH1-RM4-1105	14.06.2024 REV. FC1
RESERVED MATTERS DRAINAGE STATEMENT	GLANVILLE	119_8220585_JD_Drainage_Statement_MRE	06.03.2024 REV. 3
LAND TO BE TRANSFERRED	GLANVILLE	MOWBRAY-GLA-PH1-RM4-1102	APRIL 2024 REV. FC1
ATTENUATION BASIN & NEWT POND SECTIONS	GLANVILLE	MOWBRAY-GLA-PH1-RM4-1202	10/06/2024 REV. P6
GENERAL ARRANGEMENT	GLANVILLE	MOWBRAY-GLA-PH1-RM4-1101	10/06/2024 REV. P10

STORAGE SUMMARY

TOTAL SITE AREA: 3.41 ha (SITE BOUNDARY)
IMPERMEABLE AREA: 2.04 ha (74% of DEVELOPABLE - THIS INCLUDES URBAN CREEP)

USING THE FLOW SOFTWARE AND BASED ON THE IMPERMEABLE AREA, THE FOLLOWING STORAGE VOLUMES WILL BE REQUIRED FOR THE FOLLOWING CLIMATE CHANGE ALLOWANCES:
- 20% CC: 931m³ (at 1.123m DEPTH)
- 40% CC: 1103m³ (at 1.239m DEPTH)

A SENSITIVITY ANALYSIS WAS UNDERTAKEN WITH 45% CLIMATE CHANGE AND A CV VALUE OF 1. THE FOLLOWING STORAGE IS REQUIRED:
- 45% CC: 1,404m³ (at 1.452m DEPTH)

STORAGE PROVIDED FROM BASIN A
TOTAL DEPTH: 1.700m (INCL. 300mm FREEBOARD)
TOTAL VOLUME: 1,321m³ (at 1.400m DEPTH)
1,800m³ (at 1.700m DEPTH)

THEREFORE THERE IS SUFFICIENT VOLUME PROVIDED WITHIN BASIN A, EXCLUDING THE 300mm FREEBOARD.

Rev	Description	Drn	Chk	App	Date
D	UPDATED TO SUIT LLFA COMMENTS	DC	TR	AW	09.10.26
C	UPDATED TO REVISED LAYOUT	DC	TR	AW	04.09.26
B	UPDATED TO REVISED LAYOUT	JTM	DC	JM	25.05.26
A	FOR SUBMISSION	DC	TR	JM	20.02.26

Purpose: PRELIMINARY
Status: NOT YET APPROVED

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Client: BELLWAY HOMES

Project Title: RM4, LAND NORTH OF HORSHAM

Drawing Title: PROPOSED DRAINAGE STRATEGY

Drawn by	Checked by	Approved by	Revision
DC	TR	JM	D

A1 Scale: 1:500@A1
Date: FEB 2026

Drawing Number: 2500120_A-ACE-XX-XX-DR-C-0601

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