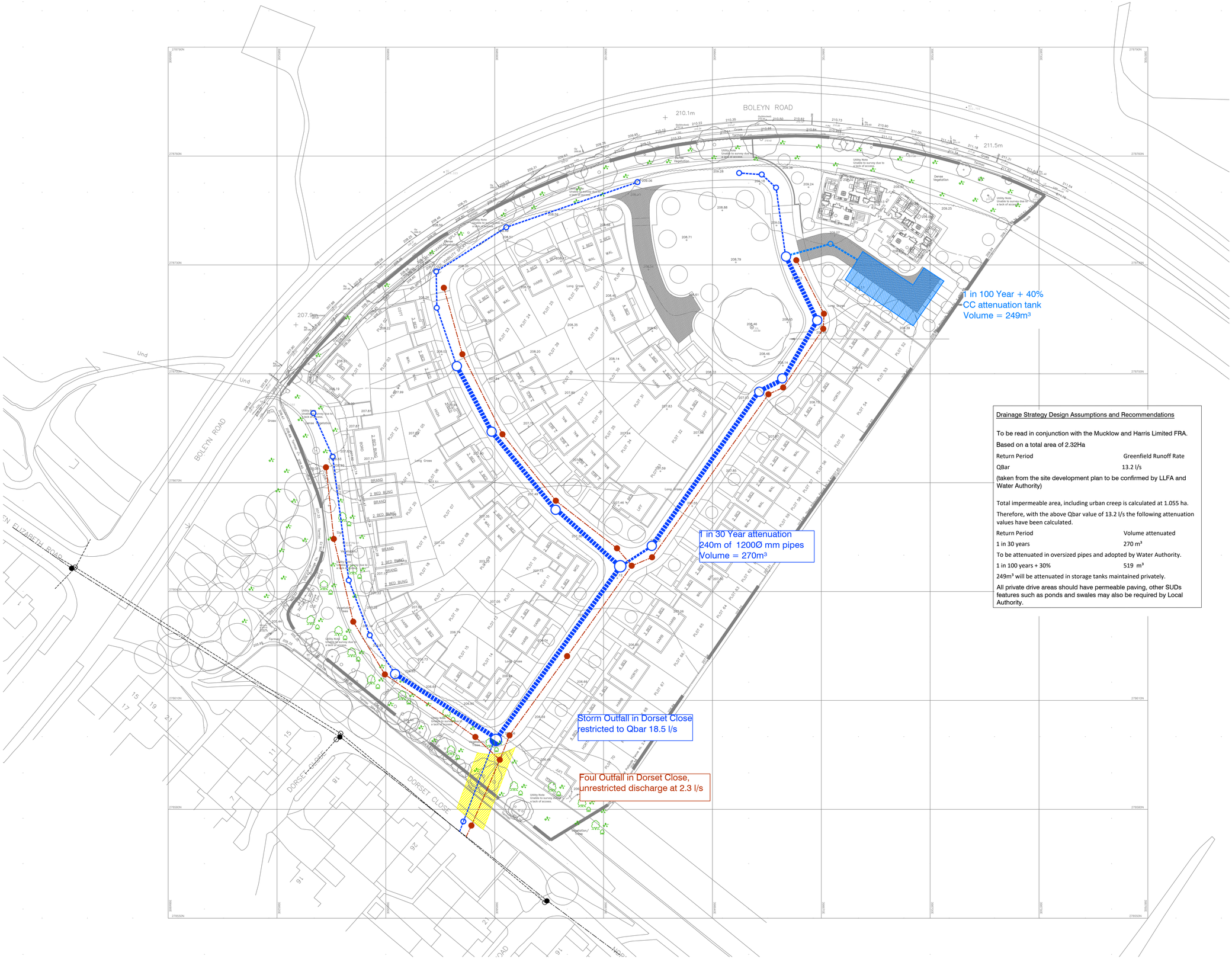

Drainage Strategy Design Assumptions and Recommendations

To be read in conjunction with the Mucklow and Harris Limited FRA.

Based on a total area of 2.32Ha

Return Period	Greenfield Runoff Rate
QBar	13.2 l/s

(taken from the site development plan to be confirmed by LLFA and Water Authority)

Total impermeable area, including urban creep is calculated at 1.055 ha.

Therefore, with the above Qbar value of 13.2 l/s the following attenuation values have been calculated.

Return Period	Volume attenuated
1 in 30 years	270 m³

To be attenuated in oversized pipes and adopted by Water Authority.

1 in 100 years + 30%	519 m³

249m³ will be attenuated in storage tanks maintained privately.

All private drive areas should have permeable paving, other SUDs features such as ponds and swales may also be required by Local Authority.

Notes

Drawings must not be scaled. Work to figured dimensions only

Drainage Layout

KEY

- Existing Storm Drain
- Existing Storm Drain Abandoned
- Existing Foul Drain
- Existing Foul Drain Abandoned
- Foul Drainage Offered for Adoption
- Foul Manhole Offered for Adoption
- Storm Drain
- Storm Inspection Chamber
- Storm Manhole
- Storm Drainage Offered for Adoption
- Storm Manhole Offered for Adoption
- Sewer Easement

REV	DATE	AMENDMENT	BY

MUCKLOW & HARRIS
CONSULTING CIVIL & STRUCTURAL ENGINEERS

DRAWING STATUS: PRELIMINARY

CLIENT: Capita

PROJECT: Proposed Development at Boleyn Road, Rednal, Birmingham

TITLE: Drainage Strategy

DATE	DRAWN
11.02.21	AM

SCALE	SIZE	CHECKED
1:500	A1	

DRAWING NUMBER	REVISION
20131-100	