

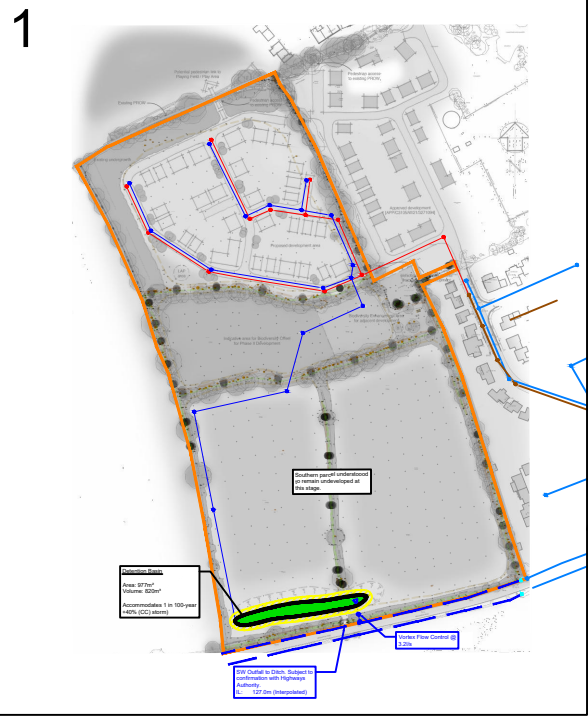
SITE SUMMARY

DEVELOPABLE AREA = 0.95ha
GREENFIELD QBAR RATE =3.2l/s
IMPERMEABLE AREA (inc. URBAN CREEP) = 0.68ha
SuDS STORAGE AREA = 977.0m²

DRAINAGE STRATEGY STANDARD

MIN FREEBOARD = 300mm
BASIN DEPTH = 1.0m
BANK GRADIENT = 1:3

Key Plan



2. Point of Foul Connection

Foul Connection to manhole 171D.
CL:135.7
IL: 131.22

Detention Basin
Area: 977m²
Volume: 820m³
Accommodates 1 in 100-year
+40% (CC) storm

SW Outfall to Ditch. Subject to
confirmation with Highways
Authority.
IL: 127.0m (Interpolated)

1. Drainage Concept



Notes

1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.
5. This drawing is illustrative, only to be used to inform masterplanning. This drawing should not be used for construction purposes.
6. Impermeable area is assumed to be 65% of the developable area, An additional 10% allowance has been made to account for urban creep.
7. Attenuation has been sized to accommodate the 1 in 100-year storm with a 40% allowance for the effects of climate change. A 300mm freeboard has also been allowed for in the design.
8. In line with local guidance, a 3m easement around SuDS features, has been accounted for.

Legend

- Indicative Site Boundary
- Existing Drainage
- Foul Water Sewer
 - Surface Water Sewer
 - Ditch
 - Headwall
 - Foul Water Manhole
 - Surface Water Manhole
- Proposed Drainage
- Surface Water Sewer
 - Foul Water Sewer
 - Vortex Flow Control
 - Foul Water Manhole
 - Surface Water Manhole
 - Easement
 - Detention Basin
 - Headwall

P1	26.08.21	DRAFT	RD	CT
Rev	Date	Details of issue / revision	Drw	Rev

Issues & Revisions

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Client
LONE STAR LAND LTD

Project Title
BRETCH HILL, BANBURY, PHASE 2

Drawing Title
ILLUSTRATIVE DRAINAGE STRATEGY

Drawn:	R. Davies	Reviewed:	C. Thorpe
BWB Ref:	BMW 3250	Date:	26.08.21
		Scale@A2:	1:1250

Drawing Status
DRAFT

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
BP2-BWB-ZZ-XX-DR-CD-0001	S2	P1