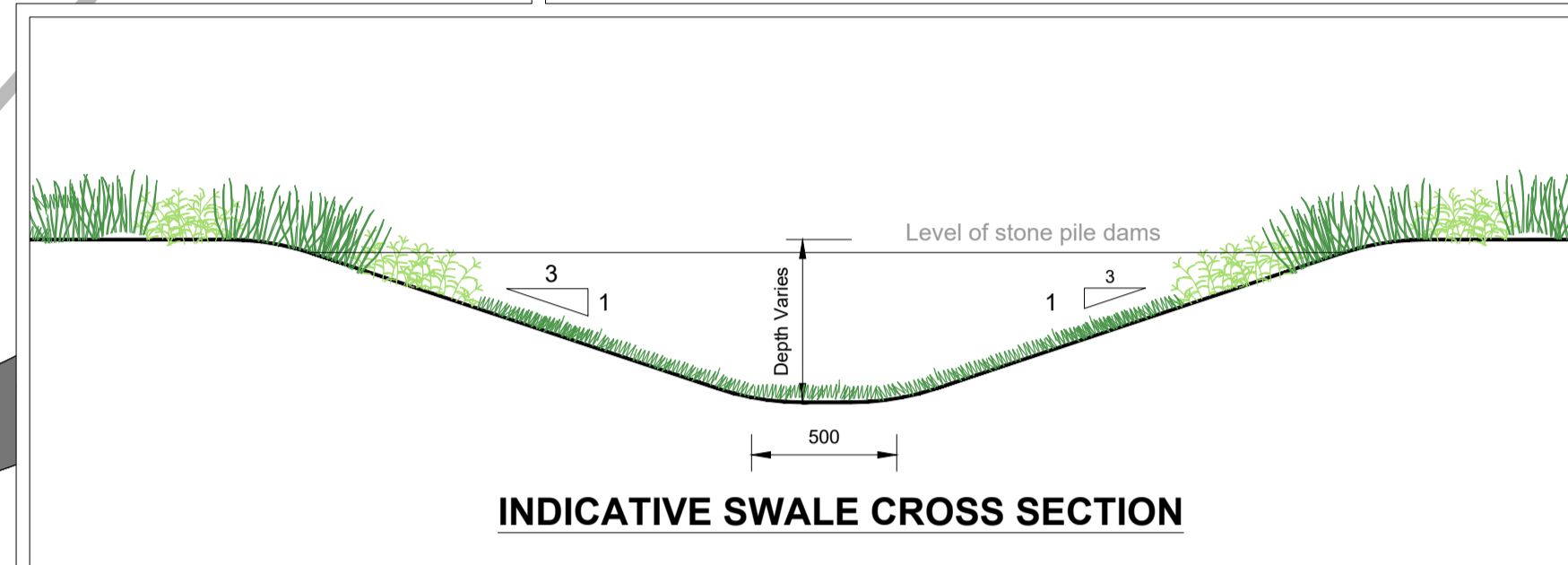
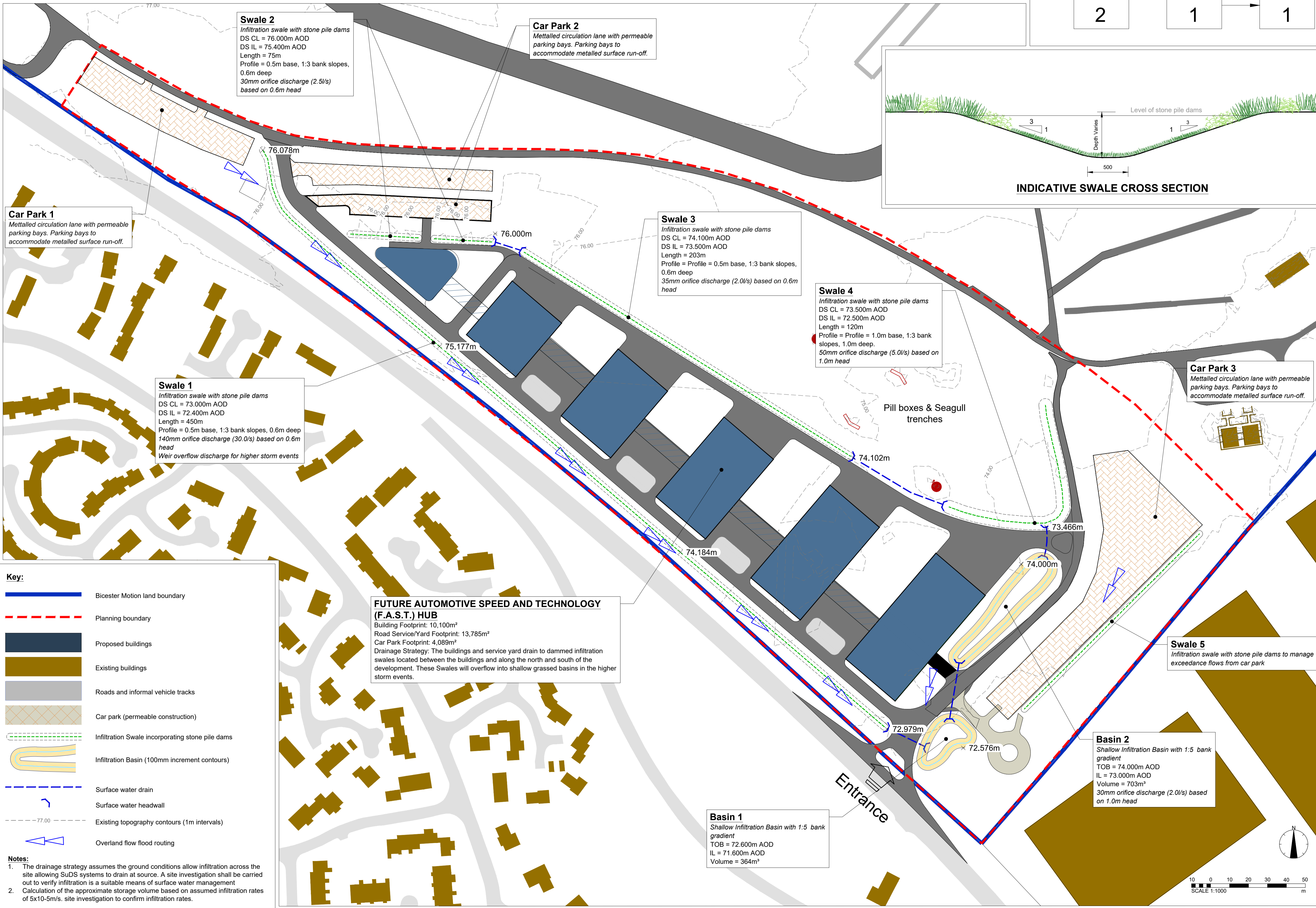


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**Key:**

- Bicester Motion land boundary
- Planning boundary
- Proposed buildings
- Existing buildings
- Roads and informal vehicle tracks
- Car park (permeable construction)
- Infiltration Swale incorporating stone pile dams
- Infiltration Basin (100mm increment contours)
- Surface water drain
- Surface water headwall
- Existing topography contours (1m intervals)
- Overland flow flood routing

**Notes:**

- The drainage strategy assumes the ground conditions allow infiltration across the site allowing SuDS systems to drain at source. A site investigation shall be carried out to verify infiltration is a suitable means of surface water management.
- Calculation of the approximate storage volume based on assumed infiltration rates of 5x10-5m/s. site investigation to confirm infiltration rates.

**FUTURE AUTOMOTIVE SPEED AND TECHNOLOGY (F.A.S.T.) HUB**  
Building Footprint: 10,100m<sup>2</sup>  
Road Service/Yard Footprint: 13,785m<sup>2</sup>  
Car Park Footprint: 4,089m<sup>2</sup>  
Drainage Strategy: The buildings and service yard drain to dammed infiltration swales located between the buildings and along the north and south of the development. These Swales will overflow into shallow grassed basins in the higher storm events.

B	ISSUED FOR OUTLINE PLANNING - BOUNDARY AMENDED & WESTERN CAR PARK ADDED	12/11/2019	MG
A	ISSUED FOR OUTLINE PLANNING	25/10/2019	MG
-	DRAFT ISSUE	21/05/2019	MG
REV	DESCRIPTION	DATE	DRAWN

**RIDGE**  
PROPERTY & CONSTRUCTION CONSULTANTS

THE COWYARDS  
BLENHEIM PARK  
OXFORD ROAD  
WOODSTOCK, OX20 1QR

TEL: 01993 815000  
WWW.RIDGE.CO.UK

CLIENT:

**BICESTER MOTION**

IN ASSOCIATION WITH:

PROJECT:  
**F.A.S.T.**

TITLE:  
**SURFACE WATER DRAINAGE STRATEGY**

ENG: MG CSE: SW ICSE: @ A1  
SCALE: 1:1000  
INITIAL ISSUE: 21/05/2019

STATUS:  
**PLANNING**

DRAWING No:  
PROJECT: 5002854 ORG: RDG ZONE: XX LEVEL: ST TYPE: PL ROLE: C NUMBER: 0503 REV: B

