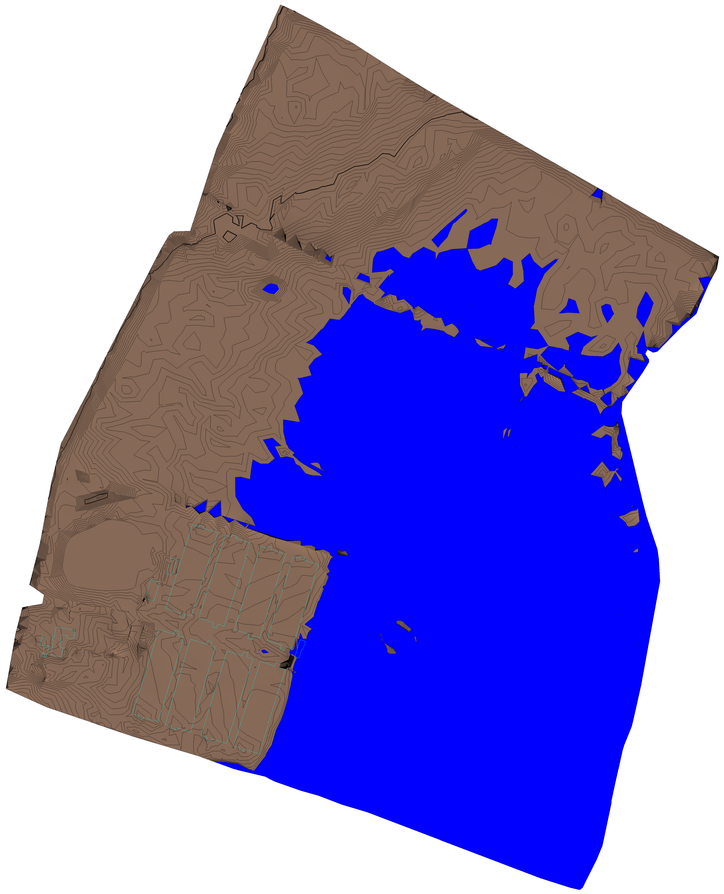
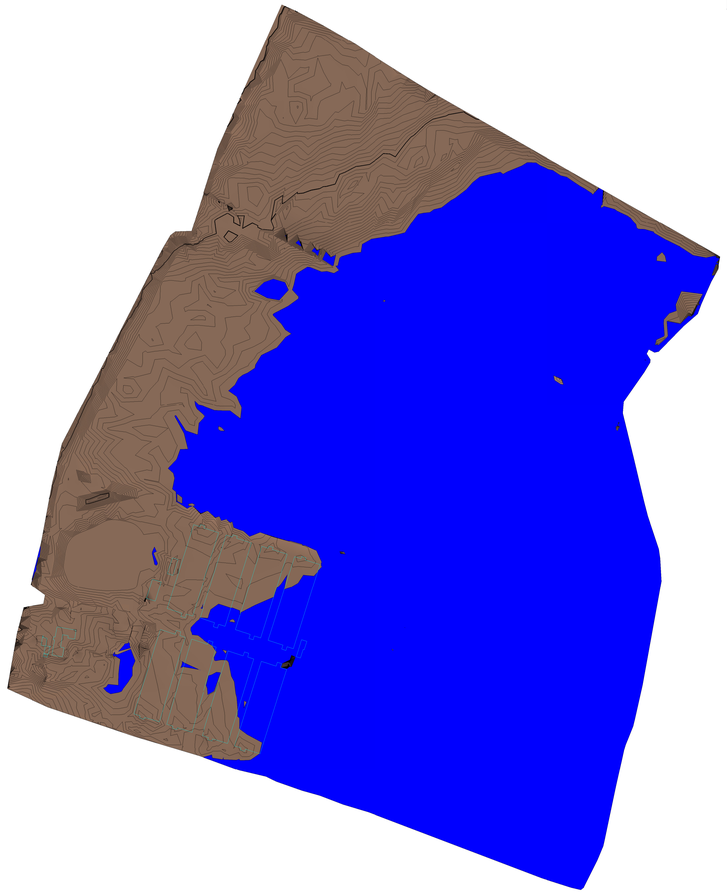
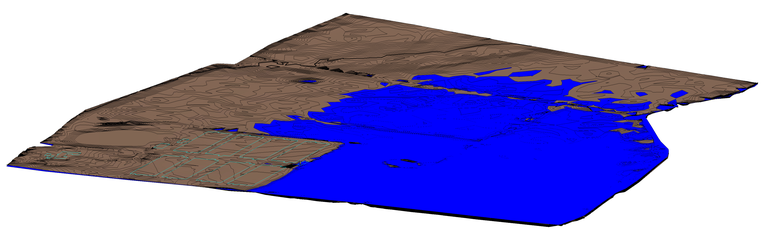
Flood Level	Expected Flood Level (m)
1 in 5 year (20% AEP)	63.650
1 in 20 year (5% AEP)	63.940
1 in 100 year (1% AEP)	64.050
1 in 100 year + 35% CC (1% AEP + 35% CC)	64.150
1 in 1000 Year (0.1% AEP)	64.200



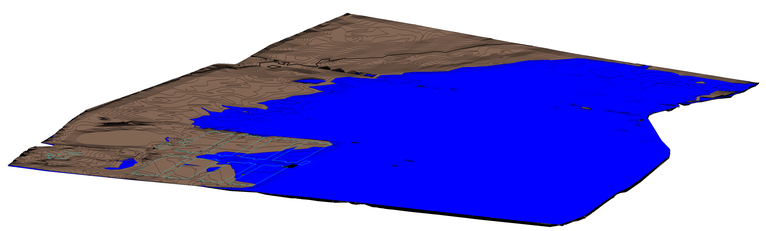
3 63.750m - 63.950m
1 : 1500



4 63.950m - 64.150m
1 : 1500



1 3D 63.750m - 63.950m



2 3D 63.950m - 62.150m

Rev	Date	Revision Description
A	13.06.19	General Update

Revision Schedule

PRELIMINARY

Promised Land Farm
Bicester

Client:-
Albion Land PLC

Modelled Floodplain Flood Levels 2 of 2 (Existing)

BAILEY JOHNSON HAYES
Consulting Engineers
MANCHESTER : Grange House, John Dalton Street Tel 0161 279 7777 Fax 0161 236 3552
ST ALBANS : Phoenix House, 63 Campfield Road. Tel 01727 841172 Fax 01727 841085

Scale	As indicated @A0	Project Ref.	Drawing No.	Rev.
Date	11/07/18	S1358	Ext-12	A
Drn	JKS	Chkd BJH		

Proposed Site Layout 1:1000

PRELIMINARY

Rev	Date	Revision Description

Revision Schedule

Catalyst Bicester
Wendlebury Road, Bicester

Client:
Albion Land Plc.

EXISTING FLOOD STORAGE VOLUME AND CONTOURS

BAILEY JOHNSON HAYES
Consulting Engineers
ST.ALBANS: Suite 4, Phoenix House, 63 Campfield Rd, ST.ALBANS, Herts AL1 5FL
MANCHESTER: Grange House, John Dalton Street, MANCHESTER, M2 6FW

Scale	1:1000 @ A0
Date	07.06.19
Drawn	DJC

S1358–Ext–26

EXISTING FLOOD STORAGE CALCULATIONS
(Hand Calculations)

Volume Capacity (Av. Depth x Area)				
(T) Level	(B) Level	Av. Depth of Layer	Area	Volume
63.35m	63.15m	0.05m	544m2	544*0.05 = 27 m3
				27 m3
63.55m	63.35m	0.2m	544m2	544*0.2 = 109 m3
		0.1m	19,453m2	19453*0.1 = 1945 m3
				2054 m3
63.75m	63.55m	0.2m	19,997m2	19997*0.2 = 4000 m3
		0.1m	30,000m2	30000*0.1 = 3000 m3
				7000 m3
63.95m	63.75m	0.2m	49,997m2	49997*0.2 = 10000 m3
		0.1m	39,455m2	39455*0.1 = 3946 m3
				13946 m3
64.15m	63.95m	0.2m	89452m2	89452*0.2 = 17890 m3
		0.1m	30,888m2	30888*0.1 = 3089 m3
				20979 m3

SUMMARY OF EXISTING FLOOD STORAGE		
Level (m A.O.D)		**Storage Volume (m3)**
63.15m - 63.35m		27
63.35m - 63.55m		2,054
63.55m - 63.75m		7,000
63.75m - 63.95m		13,946
63.95m - 64.15m		20,979
	Total	44,000

APPENDIX G.2

Bailey Johnson Hayes

Flood Compensation Scheme

2D/3D Calculations and Drawings