Original Drawing Size A1

KEY:

- Site Boundary
- Existing Foul Water Sewers
- Separate Existing SW Catchment Area
- Proposed SW Catchment Areas
- Proposed Surface Water Sewers
- Proposed Foul Water Sewers
- Proposed foul pumping main
- Proposed surface water control chamber
- Proposed headwall
- 3m Watercourse buffer zone

Existing culvert to be removed

Bed Lvl IL 3.29

SW IL 3.47

SW IL 3.75

SW IL 3.85

SW IL 4.00

SW IL 4.13

SW IL 4.25

SW IL 4.36

SW IL 5.10

Bed Lvl IL 5.56

Bed Lvl IL 5.29

FW MH IL 4.20

FW MH IL 4.58

FW MH IL 4.45

FW MH IL 5.13

FW MH IL 4.92

FW MH IL 4.19

FW MH IL 4.05

FW MH IL 3.82

SW MH CL 6.5 IL 5.08

SW MH CL 6.07 IL 4.49

SW MH CL 6.5 IL 4.89

SW MH CL 6.34 IL 4.77

SW MH HM 5901

FFL 5.95

FFL 6.50

FFL 6.40

FW PS 1
CL 6.00mAOD
IL 1.33mAOD
95 Dwellings
Emergency Storage Requirement:
TBC cu m
Emergency Storage Proposal: 15.2 cu m
Provide within 3mØ wet well chamber & upstream network up to lowest incoming lateral

FW POC
CL 5.70mAOD
IL 2.42mAOD
225mmØ @1:150

<-375Ø @ 1/345

2250

EXISTING PUMPING MAINS TO BE DIVERTED

PLAY AREA

CARE HOME

SEFTER MEADOW

DOWNS VIEW

HOOK LANE

Pumping Station

Surface Water Catchment 1B

Development Area (ha):	0.56
Impermeable Area 60% (ha):	0.34
Detention Feature:	Pond 1B

Pond 1B

Downstream Control:	Hydrobrake
Total Storage Volume (m3):	296
Min top of bank level:	5.13mAOD
Bed level:	3.75mAOD
Side Slopes:	1 in 4
Discharge rate (litres/sec):	11.76 (Qbar)
Outfall:	Watercourse

Surface Water Catchment 1A+1B

Development Area (ha):	5.22
Impermeable Area 60% (ha):	3.13
Care Home Impermeable Area (ha):	0.23
Total Catchment Area (ha):	3.36
Detention Feature:	Ponds 1A+1B

Surface Water Catchment 2

Development Area (ha):	1.98
Impermeable Area 60% (ha):	1.19
Detention Feature:	Pond 2

Pond 2

Downstream Control:	Hydrobrake
Total Storage Volume (m3):	951
Min top of bank level:	6.4mAOD
Bed Level:	5.1mAOD
Side Slopes:	1 in 4
Discharge rate (litres/sec):	4.17
Outfall:	Watercourse

Surface Water Catchment 1A

Development Area (ha):	4.66
Impermeable Area 60% (ha):	2.79
Care Home Impermeable Area (ha):	0.23
Total Catchment Area (ha):	3.02
Detention Feature:	Pond 1A

Pond 1A

Downstream Control:	Hydrobrake
Total Storage Volume (m3):	2,359
Min top of bank level:	5.8mAOD
Bed level:	4.0mAOD
Side Slopes:	1 in 4
Discharge rate (litres/sec):	10.57 (Qbar)
Outfall:	Pond 1B

Separate Surface Water Catchment

Development Area (ha):	0.90
Impermeable Area 60% (ha):	0.54
Discharge Rate (litres/second):	1.89 (Qbar)
Outfall:	Gully

Surface Water Catchment 3

Development Area (ha):	3.00
Impermeable Area 60% (ha):	1.80
Detention Feature:	Pond 3

Pond 3

Downstream Control:	Hydrobrake
Total Storage Volume (m3):	1,561
Min top of bank level:	5.0mAOD
Bed Level:	3.7mAOD
Side Slopes:	1 in 4
Discharge rate (litres/sec):	4.41*
Outfall:	Watercourse

* Qbar rate 6.30 l/s deduct 1.89 l/s for flows to separate outfall.

NOTES:

1. Do not scale from this drawing.
2. All dimensions are in metres unless otherwise stated.
3. Brookbanks Consulting Ltd has prepared this drawing for the sole use of the client. The drawing may not be relied upon by any other party without the express agreement of the client and Brookbanks Consulting Ltd. Where any data supplied by the client or from other sources has been used, it has been assumed that the information is correct. No responsibility can be accepted by Brookbanks Consulting Ltd for inaccuracies in the data supplied by any other party. The drawing has been produced based on the assumption that all relevant information has been supplied by those bodies from whom it was requested.
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6. This drawing has been prepared for planning purposes only it is not for tender of construction.
7. All finished floor levels shown are indicative and are subject to refinement following completion of the detailed design.
8. All drainage details are indicative and subject to refinement following completion of the detailed design.

M	Masterplan updated HALL200505SL01F Separate catchment area shown. Pond 3 discharge rate reduced, pond size amended.	LF	SM	RM	21.05.21
L	Masterplan updated	LF	RM	RM	13.05.21
K	3m buffer zone indicated. Catchments & basins updated.	DC	SM	RM	29.04.21
J	Update to suit LLFA comments	LF	SM	RM	31.03.21
H	Latest site layout added.	LF	SM	RM	10.12.20
G	Latest site layout added.	NJO	SM	RM	08.12.20
F	Latest site layout added.	NJO	SM	RM	02.12.20
E	Basin details amended.	NJO	SM	RM	26.11.20
D	Western swale profile amended, culvert crossings added	RM	SM	RM	28.10.20
C	Western swale profile amended	RM	SM	RM	20.10.20
B	Amended as per Urban Wilderness comments	BP	SM	RM	01.10.20
A	Watercourse diversion amended	LF	RM	RM	18.08.20
-	First Issue	LF	RM	RM	08.06.20

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Hallam Land Management

Hook Lane
Pagham

Surface & Foul Water Drainage Strategy

Status	Status Date
Information	June 2020

Drawn	Checked	Date
LF	RM	10.06.20

Scale	Number	Rev
1:1000	10461-DR-001	M

0 20 40 60 80 100
METRES

UNTIL TECHNICAL APPROVAL HAS BEEN OBTAINED FROM THE RELEVANT LOCAL AUTHORITIES, IT SHOULD BE UNDERSTOOD THAT ALL DRAWINGS ARE ISSUED AS PRELIMINARY AND NOT FOR CONSTRUCTION. SHOULD THE CONTRACTOR COMMENCE SITE WORK PRIOR TO APPROVAL BEING GIVEN, IT IS ENTIRELY AT HIS OWN RISK.

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