



SuDS features serving Northern Access. Part of infrastructure works to be implemented under Planning Permission X/19/86303 : (0/14/79354)

Strategic SuDS Features for Northern Access. Part of infrastructure works to be implemented under Planning Permission X/19/86303 : (0/14/79354)

Watercourse Crossing
Crossing requires a clear span of channel with soffit set to a minimum of 600mm above the 1 in 100 year flood level with an appropriate allowance for climate change. Detailed design to include Level for Level Flood Plain Compensatory Storage.

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Crossing requires a clear span of channel with soffit set to a minimum of 600mm above the 1 in 100 year flood level with an appropriate allowance for climate change. Detailed design to include Level for Level Flood Plain Compensatory Storage.

Bioretention Swale
Link road highway drainage design to incorporate bioretention swale. Refer to Note 7.

0m 50m 100m
Scale 1:1250

Strategic SuDS Features Schedule						
Strategic SuDS Feature	Contributing Catchment (ha)	% of Impermeability	Q ₁₀₀ for Catchment (l/s)	1 in 1 Year Storage Volume (m ³)	1 in 1 Year Resulting Discharge (l/s)	1 in 100+40%CC Storage Volume (m ³)
A	2.037	65	18.4	165	17.8	802
B	0.260	100	30.0	260	28.1	1224
C	3.750	65	34.5	405	50.1	2172
D	6.806	65	27.1	244	23.7	1112
E	3.650	65	32.3	337	24.8	1706
F	0.382	100	26.9	241	23.9	1103
G	3.360	65	41.5	267	34.7	1450
H	2.762	65	70.8	683	44.1	2694
I	2.415	50				
J	1.603	30				
K	0.409	100				
L	6.831	65				
M	1.556	65	29.6	314	26.7	1339
N	2.139	65	13.6	127	11.0	560
EM(Employment)	1.696	65	39.6	433	32.5	1860
	3.884	65	17.7	156	16.2	728
	1.046	100	46.1	477	31.1	1924
	2.213	65	16.3	150	15.5	878
	5.759	65				
	2.029	85				



Stratton Park House, Wanborough Road
Swindon, SN3 4HG

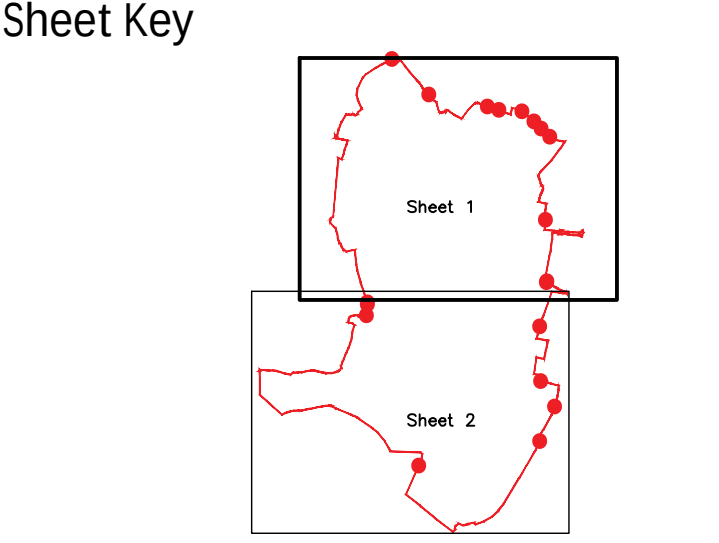
Telephone
01793 828000
Website
www.pfaplac.com

For Planning
This drawing is produced for the purposes of supporting a planning application and should not be relied upon for tender, pricing, or construction purposes.

- NOTES**
- This drawing should be read in conjunction with PFA Consulting's Flood Risk Assessment (Doc ref: G277-0001 FRA - Issue 1) dated Dec 2020.
 - This drawing is based on the Topographical Survey undertaken by Mayer Brown Limited, Drawing No:IR.SAV.1.21.1, Rev E, dated 05 May 2014.
 - This site layout is based on Thrive's Concept Masterplan, Drawing number EAST200403 CMP 01 Rev P13, dated 04.12.20.
 - Main River designation based on Flood Map for Planning.
 - All SuDS features shown on this drawing are subject to detailed design.
 - Typical Layout of Strategic SuDS Features to Inform Detailed Design shown on drawing number G277/23.
 - Detailed design of highway drainage features to provide attenuation and restrict flow to the downstream watercourse system. Sufficient attenuation should be provided to ensure discharge rates are restricted for all return periods up to the 100 year design event, including an appropriate allowance for climate change. Refer to PFA's Flood Risk Assessment (dated Dec 2020) document for guidance on flow rate restrictions.

Key

- Risk of Flooding from Surface Water Outfall
- Basin Catchment Allocation
- Flood Zone 2
- Flood Zone 3
- Indicative Location of Foul Water Sewage Pumping Station with 10m buffer offset
- 5m offset from Watercourse
- 5m offset from Main Rivers
- Opportunity for wide conveyance feature
- Direction of Excessed Flows
- Outlet from SuDS Feature to be conveyance swale where feasible
- Indicative Proposed Foul Rising Main
- Indicative Proposed Strategic Foul Sewer



Rev	Date	Description	Drawn	Check
#	27/11/20	First Issue	DAB	SAW
A	11/12/20	Revised to latest Masterplan & link road design	DAB	SAW

Status: **FOR PLANNING**

Client: **Eastleigh Borough Council**

Project: **One Horton Heath Hampshire**

Drawing Title: **Preliminary Water Management Strategy Plan (Sheet 1 of 2)**

Drawing No. **G277/21** Rev A
Date: November 2020 Scale: 1:1250 @ A0
E-Mail: DBuciak@pfaplac.com



Strategic SuDS Features Schedule							
Strategic SuDS Feature	Contributing Catchment (ha)	% of impermeability	Q ₁₀₀ for Catchment (l/s)	1 in 1 Year Storage Volume (m³)	1 in 1 Year Resulting Discharge (l/s)	1 in 100+40%CC Storage Volume (m³)	1 in 100+40%CC Resulting Discharge (l/s)
A	2.037	65	18.4	165	17.8	802	18.3
	0.260	100					
B	3.750	65	30.0	260	28.1	1224	29.9
C	6.808	65	54.5	405	50.1	2172	54.4
D	3.381	65	27.1	244	23.7	1112	27
	3.650	65					
E	0.382	100	32.3	337	24.8	1706	32.3
F	3.360	65	26.9	241	23.9	1103	26.9
G	2.762	65	41.5	267	34.7	1450	40.3
	2.415	50					
H	1.603	30	70.8	683	44.1	2694	70.8
	0.409	100					
I	6.831	65	29.6	314	26.7	1339	28.7
J	1.556	65					
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L	1.696	65	39.6	433	32.5	1860	39.5
	3.894	65					
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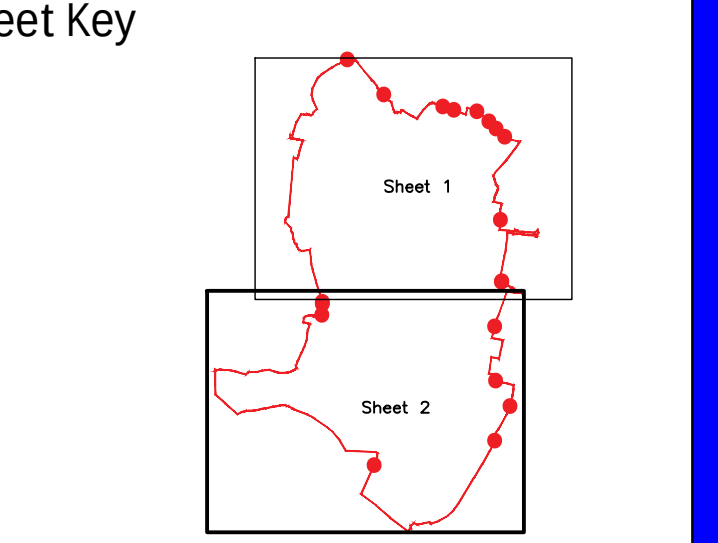
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- Opportunity for scale conveyance feature
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- Outlet from SuDS Feature to be conveyance swale where feasible
- Indicative Proposed Foul Rising Main
- Indicative Proposed Strategic Foul Sewer
- Indicative Foul flow direction



Rev	Date	Description	Drawn	Check
#	27/11/20	First Issue	DAB	WVG
A	11/12/20	Revised to latest Masterplan & link road design	DAB	SAM

Status: **FOR PLANNING**

Client:
Eastleigh Borough Council

Project:
**One Horton Heath
Hampshire**

Drawing Title:
**Preliminary Water
Management Strategy Plan
(Sheet 2 of 2)**

Drawing No. **G277/22** Rev A

Date: November 2020 Scale: 1:1250 @ A0
E-Mail: DBuciak@pfapl.com