

**SURFACE WATER DRAINAGE STRATEGY WITH RESPECT TO PROPOSED
RESIDENTIAL DEVELOPMENT AT:-
SUNNYDALE CLOSE, SURFLEET**

Introduction

1) New Planning Requirements make it necessary to consider Sustainable Urban Drainage (SUDS) with respect to planning applications of the size and number of dwellings in this instance.

2) Attached to this statement is a copy of the AWA drainage system in the area together with our drawing No.d 17715/10 which shows the proposals for surface water drainage.

Discussion

With respect to SUDS, the introduction of a swale along the road/pavement was considered. Due to the limited amount of available land this was discounted as impractical.

The present historic land drainage system that was constructed over 100 years ago has operated successfully without flooding, particularly in this area.

It is considered that this present arrangement of open dykes, operated and maintained by the Internal Drainage Board's is in effect, a SUDS system in itself.

Conclusion

By accepting the above statement and taking into account there will be a direct connection into the Internal Drainage Board system, no further SUDS requirements are considered practical or necessary in this case.

Design Proposal

Surface water from roofs will be placed in suitably designed soakaways.

Surface water from roads and pavements will enter a new Highway drain in the new road.

The outfall into the existing drain will be via a hydro brake to attenuate flow to the greenfield run off rate, so as not to adversely affect the existing drainage system.



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Date: 17/09/14

Scale: 1:1000

Map Centre: 525152,327815

Data updated: 09/07/14 Our Ref: 112705 - 1

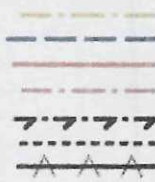
Wastewater Plan A4

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Foul Sewer
Surface Sewer
Combined Sewer

Final Effluent

Rising Main
(Colour denotes effluent type)
Private Sewer
(Colour denotes effluent type)
Decommissioned Sewer
(Colour denotes effluent type)



Outfall
(Colour denotes effluent type)

Inlet
(Colour denotes effluent type)

Manhole
(Colour denotes effluent type)

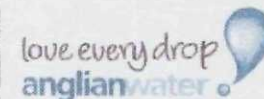
Sewage Treatment Works

Pumping Station



geoff.beel@tiscali.co.uk

Sunnydale



Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
0701	F	4.38	1.68	2.7
1701	F	3.5	1.5	2
1702	F	3.33	1.27	2.06
1801	F	4.11	2.16	1.95
2801	F	3.66	0.77	2.89
2802	F	3.35	0.95	2.4
2803	F	3.3	0.87	2.43
2804	F	3.02	1.19	1.83

Manhole Reference	Liquid Type	Cover Level	Invert Level	Depth to Invert
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