

WANBOROUGH Flood Management - Drainage Works

	Submitted to list	Parish	Road No. / Name	Background/Cause Information	HSR	Property	Highway	Land	Agriculture	Ditches?	Priority	Comment
1		Wanborough	Moorleaze	Properties experienced heavy flooding during 2000, 2007, 2008 events. Flooding mechanisms include fluvial from Liden Brook, excess water from A419; excess water from The Marsh and Pack Hill		Y	Y	Y	Y	Y	H	Highway drain in access road to be flushed and inspected (cctv); including drain around Great Moorleaze Farm, particularly if culvert exists beneath The Marsh road ; this also requires investigating. Possible improvements to drainage on A419 sliproad, i.e. ditch and culverts. Ponding in field is a problem if field boundary embankment is overtopped; otherwise it provides some attenuation. Possible culvert from field across Marsh Road connecting into highway/Great Moorleaze boundary drain.
2		Wanborough	The Marsh	highway and property flooding due to poorly maintained ditches and culverts; also sheer volume of water during 2007 events which helped highlight problems with drainage		Y	Y	Y	Y	Y	M	dig ditches, clear vegetation and culverts etc. 2 x watercourses pass through the Marsh (Calder Vale, Moat Cottage), excluding Green Lane which should be reinstated and eventually connect with ditch through Moat Cottage. These ditches are the responsibility of the adjacent landowners. However, it is recommended that these ditches are cleared with careful planning perhaps in collaboration with specialist drainage engineers SBC or CPLC or other. This can ensure the risk of flooding is reduced downstream and there is also an opportunity to provide some attenuation.
3		Wanborough	Burycroft	highway and property flooding due to poorly maintained ditches and culverts; also sheer volume of water during 2007 events which helped highlight problems with drainage		Y	Y	Y	Y	Y	M	dig ditches, clear vegetation. SBC have commenced works here. However, further works are required which includes ditch works up to Wanborough Road. Swale/detention basin is also proposed to be constructed in land adjacent to road currently owned by Woodlands Trust.Both Thames Water and SBC highways utilize these ditches, but are not obliged to maintain. However, a request can be made for their assistance.
4		Wanborough	Green Lane	Ditches either side of lane in poor condition				Y		Y	L	dig ditches, clear vegetation. These ditches are linked to Kite Hill and should be utilised to control the flow of surface water from this road; allowing it to continue through the Marsh and into the Liden Brook. Again this land is in private ownership therefore landowner responsibility. However, highways may provide some assistance.
5		Wanborough	Callas Hill	Surface water surcharging down the road; flooding to property and highway		Y	Y				M	Inadequate drainage: combination of positive drainage and ditches. Too few gullies and poorly located; susceptible to blockage from soil and vegetation from surrounding landscape. Suggest use of positive drainage system, introducing additional collection points (gullies) with larger grates, surrounded with retaining wall (Photo 3.40 in the report) to minimise blockage; maybe possible to include catchpits alongside gullies to provide further attenuation and assist with maintenance/cleaning etc. Catchpits could be in the form of ringed soakaways (these dont need to be large or deep say 900x1500). Gullies linked with 225mm pipe which should continue into high street drainage system.
6		Wanborough	High Street	Surface water surcharging down the road; flooding to property and highway		Y	Y				M	Dated system. However still functional; requires regular maintenance and some improvements required, particularly if Callas Hill receives new system.
7		Wanborough	Wanborough road	Surface water on road, particularly at Burycroft junction	Y	Y	Y			Y	H	Ditches require regrading; culverts across gateways should be renewed to 600mm. Highway gullies and pipework need renewing at Jubilee Cottages
8		Wanborough	B4507	Surface water on road		Y	Y	Y	Y	Y	H	Highway drainage utilizes ditches either side of road and collect water via grips. Both ditches and grips require digging. Road also receives water from overland flow produced by springs on high ground to the south. Attenuation in the form of soakaways will minimise surcharge of water towards residential properties (i.e. Springlines etc). Another option maybe to reinstate ditches and introduce storage pond on land above Springlines owned by ???

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23											
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28											
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County Priorities	
1 - High Speed Road with standing water 2 - Property Flooding	High
3 - Highway Flooding - (In Winter will be higher)	Medium
4 - Land Flooding 5 - Agriculture Land Flooding	Low

