

<b>HAMBLETON FLAG - FLOOD ISSUES THAT NEED ADDRESSING</b>				<b>Mike O'Flaherty 19.November.2020</b>
	<b>Area</b>	<b>Item</b>	<b>Notes</b>	<b>Action Required</b>
1	General	UU system monitoring	It is extremely dissapointing that UU have not undertaken their commitment to install flow monitoring. We have lost 9 months and the opportunity to gather data from 3 or 4 high flow events, as was stated to be the criteria if the data was to be meaningful	1-Why was this delayed 2-When will it be implimented
2	General	Issues and actions log	It has been commented on several times that the issues and actions log does not list all the flooding issues which need addressing, some are combined but need different solutions, it does not show the correct dates for the first acknowledgement of the problems and thus appears to reflect that issues are relatively new we request the log be updated as per our request	1-Update of the log to show all the issues and the actions being taken
3	General	Plans and Information Kiln Lane Pump Station	Over the past year we have had more detailed plans issued, which certainly helps our understanding of issues. However Kiln Lane Pump Stationwe have not been given any information regarding the construction detials, particularly pipe arrangements and opreations, overflows and invert levels. If this information does not exist or is incomplete surveys will be required, this forms a ket part of solving Kiln Lane problems	1-Issue of Pump Station information
4	General	Wardley Creek Tidal Flap	The wardley drainage basin is a key issue which impacts on all our drainage issues. We understand from PL feedback to the FLAG that consideration is being given to increasing the flow capabilites allowing for flows to continue to drain the basin at higher tides.	1-What design/planning is beng done on this at the moment, and when might actual works be done.
5	General	Culverted Water course	The village system relies on several culverted watercourses, riparian ownership applies, these 'pipes' serve mainly roadway gullies. The Agencies need to decide how this will be funded, and if necessary advise the 40 or so riparian owners , for their permission and that they will need to contribute. All the Carr Lane problems go back to these 'pipes'	1-What is the plan going forward
6	Carr Lane	Carr Lane "Coppins / Birkrigg" area	Works have been carried out providing a additional outlet to the north, however this still flows into to same drainage area and has not proven successful. The removal of drains, the raising of the road, the blockage of surface water gullies and the culverting of the adjacent water course, remain factors that are casuing this flooding	1-Has integrated road drain and kerb raising been considered here
			Covered ditch adjacent does not flow properly, who is responsible for asking the land owner to clear the water course or even remove the pipe and return it to open ditch.	1-What is the plan going forward
8	Carr Lane	Carr Lane 3 Market St/Pauls Lane/Sandy Lane	The main issue appears to be the reliance of the culverted water course. The length along side Broad Pool Lane from the shops to Rycroft Hall, is shown running under the road/footpath	1-Who is responsible for this considerable section. 2-What plans are there to camera/jet this drain
9	Culverted Pipe	Broadpool to Rydal	The sections of pipe at the outfall end as indicated on the plan show a reduction in ID from 450mm to 300mm and then to 225mm, is this a mapping error on a design error, it seems counter intuitive if this can be expected to drain at peak flows.	1-Is the exisitng design viable

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		The outflow has been uncovered , has the pipe been camered/jetted There is a concrete lidded manhole on Coniston Avenue and opposite on the footpath there is evidence of ground collapse	2-What is the plan going forward
10	Marsh Lane	Blocked pipe at concrete head wall, blocked pipe at road headwall, outfall desilting (John George Thompson)	1-When do EA plan to clear the water course 2-When do LCC plan to unblock the pipes and gullies
11	Kiln Lane	Surface Water system and outfall	WBC (PL) have done a site visit and found that the creek outlet is blocked , there is a ditch running behind the pump station to the creek
12	Kiln Lane	Pump station	When flooding occurs at high rainfall and high tides, flood water backs up and flows upward from the manholes and also the road gullies, leading to the erroneous belief that the sewer and surface water drainage were on and the same, however (PL) asserts that they are separate. Obviously it is possible that both systems flood at the same time, to fully understand what is going on existing information needs to be presented for review and where this is found to be lacking then site survey will be required. (There are several area where gullies are close to sewer manholes, a quick operation with dye would prove the separation or otherwise of the systems)
		Wardely Creek Outfalls, there are two outfalls, at what level of tide does flap closure impede the system, how does this actually cause flooding	
13	Kiln Lane	Sherbourne Rd	A survey has been undertaken, and actions were noted for further survey, the surface water system relies on draining eventually into the Broadpool/Rydal culverted water course