

SURFACE WATER FLOW CONTROL DEVICE BLOCKAGE RISK ASSESSMENT

(PLEASE REFER TO RISK ASSESSMENT MATRIX ATTACHED)

HAZARDS IDENTIFIED					CONTROL MEASURES FOR HAZARDS IDENTIFIED			
Risk No.	Further description if required	L	M	H		Risk level after control measures implemented		
						L	M	H
1	Improper construction of Hydrobrake.		X		Contractor to inspect Hydrobrake works upon completion and verify correct construction	X		
2	Improper construction of blue roof.		X		Contractor to inspect blue roof construction upon completion and verify correct construction	X		
3	Sediment/organic/litter matter blocking Hydrobrake.		X		Building owner/occupier is to inspect Hydrobrake twice-yearly for blockages, in accordance with the O&M manual and jet or clean the system as required and also check after a significant rainfall event	X		
4	Sediment/organic/litter matter blocking blue roof		X		Building owner/occupier is to inspect the blue roof twice-yearly for blockages and jet or clean the system as required and also to inspect after a significant rainfall event	X		
5	Lack of maintenance causing a blockage of Hydrobrake		X		Follow a regular maintenance schedule to ensure that any issues that may arise are dealt with in a timely manner – in accordance with the manufacturer's instructions.	X		
6	Lack of maintenance causing a blockage of blue roof		X		Follow a regular maintenance schedule to ensure that any issues that may arise are dealt with in a timely manner – in accordance with the manufacturer's instructions.	X		

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7	Surcharging due to foul water flooding		X		The drainage network has been designed so that non-return valves on drainage connections to the combined network, prevent surcharging of the private drainage system. Furthermore, the drainage network has been designed so that if surface water flooding were to occur, then it would only flood from surface water manholes.	X		
8	Any event or cause not listed above causing a blockage		X		An overflow is provided to ensure that if a blockage were to occur then the exceedance flows would not surcharge or flood the drainage network but overflow into the downstream adopted sewer. If this were to be a severe storm event then the surface water would overflow from the lowest point on the site, near the Hydrobrake and exceed onto the existing highway.	X		

Name of Person Completing this Assessment: Edward Law

Signature: Edward Law

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RISK ASSESSMENT MATRIX

	VERY UNLIKELY (Freak incident, no known history of occurrence)	UNLIKELY (Unlikely sequence of events and/or multiple failure)	POSSIBLE (Foreseeable under normal circumstances. A past incident may have occurred.)	LIKELY (Easily foreseeable circumstances.)	VERY LIKELY (Common occurrence. Known past incidents.)
VERY SEVERE (Fatality, long term disability, loss of limb.)	M	H	H	H	H
SEVERE (Requires over 3 days off work or a hospital visit; reportable to H&S Executive.)	M	M	H	H	H
MODERATE (Deep flesh wound, heavy bruising etc)	L	L	M	M	M
SLIGHT (Minor cuts and bruises with no lasting effects.)	L	L	L	M	M
NEGLIGABLE (No pain or physical sign of injury.)	L	L	L	L	M

H	High Risk: Immediate action to reduce risk to no higher than Medium.
M	Medium Risk: High priority to reduce to Low.
L	Low Risk: Possible acceptance of risk, but ongoing monitoring required.