Water Source	Description	Train Description	SUDS Group	Technique	Treatment characteristics					Potential additional pretreatment
					Total Suspended Solids	Heavy metals	Nutrients	Bacteria	Fines and disolved	
Building rooftops	Relatively clean, likely to contain some sediment, metals and organic matter	Roof to rainwater harvesting with overflow to soakaway discharging to ground	Source Control Infiltration	Rainwater harvesting Soakway	M H	L H	L H	L M	- H	Leaf guards in guttering system
		Roof to rainwater harvesting with overflow to pipe network to detention basin discharging to watercourse	Source Control Detention	Rainwater harvesting Detention Basin	M M	L M	L L	L L	- L	Leaf guards in guttering system
		Roof to rainwater harvesting with overflow to pipe network to subsurface storage discharging to watercourse	Source Control Retention	Rainwater harvesting Subsurface storage	M L	L L	L L	L L	- L	Leaf guards in guttering system. Catch pits to trap sediments.
Residential Roads and Driveways	Likely to contain grits, hydrocarbons and metals	Percolates surface, filters through substructure and infiltrates ground	Source Control	Permeable Pavement	H	H	H	H	H	
		Conveyed by channels to retention pond, overflowing to detention basin and discharging to watercourse	Retention Detention	Retention Pond Detention Basin	H M	M M	M L	M L	H L	Catchpits to trap sediments and bypass separator to remove hydrocarbons
Main Roads	Likely to contain grits, hydrocarbons and metals	Runs over edge of road and percolates through vegetated strip to ground below. In large rainfall events, runs through vegetation to infiltration trench beyond for storage and discharge to ground	Filtration	Bioretention/filter strips	H	H	H	M	H	
		Runs over edge of road and percolates through vegetation and planting medium to pipes below and on to subsurface storage, discharging to watercourse	Swale Retention	Enhanced dry swale Subsurface storage	H L	H L	H L	M L	H L	Catchpits to trap sediments and bypass separator to remove hydrocarbons