SUDS/Green Infrastructure feasibility checklist – 17D070 – October 2022

SuDS Measures	Measures to be used on this site	Rationale for selecting/not selecting measure
Source Control		
Swales	N	There is limited space within the site for same.
Tree Pits	N	Tree pits maybe included in landscape design – to be reviewed. Not included in the SuDs calculations, but they will contribute.
Rainwater Butts	N	Not a viable option given the apartment nature of the development, could be explored in detailed design to examine feasibility.
Rainwater harvesting	N	This can be reviewed with the architect and client to see if it is a viable option – currently not allowed for.
Soakaways	N	There is limited space on site given the size that would be required.
Infiltration trenches	N	There is limited space on site
Permeable pavement	Y	Permeable surfacing will be provided to allow some infiltration directly to the ground will be allowed.
Green Roofs	N	Not viable due to nature of development
Filter strips	N	Filter strips maybe included in landscape design – to be reviewed. Not included in the SuDs calculations, but they will contribute.
Bio-retention systems/Raingardens	N	Raingardens maybe included in landscape design – to be reviewed. Not included in the SuDs calculations, but they will contribute. Site space is limited.
Blue Roofs	N	Not cost effective over the lifespan due to maintenance.
Filter Drain	N	Not currently proposed.
Site Control		
Detention Basins	N	No available room on site for large bodies of water and poses a potential drowning hazard.
Retentions basins	N	No available room on site for large bodies of water and poses a potential drowning hazard.
Regional Control		
Ponds	N	No available room on site for large bodies of water and poses a potential drowning hazard
Wetlands	N	No available room on site for large bodies of water and poses a potential drowning hazard.
Other		
Petrol/Oil interceptor	Y	Included in overall drainage design.
Attenuation tank – only as a last resort where other measures are not feasible	Y	Provided on site. Site storage for 1/100 storm + 20% climate change with hydrobrake connection to mains