SUDS/Green Infrastructure measures selected for this site (2019.11.26)

Suds Measures	Measures to be used on this site	Rationale for selecting/not selecting measure
Source Control		
Swales	Not Used	Soakaway Preferred
Tree Pits	Not Used	Soakaway Preferred
Rainwater Butts/Rainwater Garden	Not Used	Soakaway Preferred
Rainwater harvesting	Not Used	Soakaway Preferred
Soakaways	Selected	Suitable Infiltration Rate
Infiltration trenches	Soakaway Selected	Suitable Infiltration Rate
Permeable pavement		
- Grasscrete		
- Block paving		
- Porous Asphalt	Selected for car park/driveway	
Green Roofs	Not Used	Pitched Roof/Surface Water to Soakaway
Filter strips	Not Used	Surface Water to Soakaway
Bioretention systems	Not Used	Soakaway Preferred
Blue Roofs	Not Used	Pitched Roof/Surface Water to Soakaway
Filter Drain	Not Used	Surface Water to Soakaway
Site Control		
Detention Basins	Not Used	Site Constraints/ Surface Water to Soakaway
Retentions basins	Not Used	Site Constraints/ Surface Water to Soakaway
Regional Control		
Ponds	Not Used	Site Constraints/ Surface Water to Soakaway
Wetlands	Not Used	Site Constraints/ Surface Water to Soakaway
Other		
Petrol/Oil interceptor	Not Used	Infiltration through permeable asphalt
Attenuation tank – only as a last resort where other measures are not feasible	Not Used	Surface Water to Soakaway
Oversized pipes– only as a last resort where other measures are not feasible	Not Used	Surface Water to Soakaway

Note:

1. Fingal has a preference for above ground Green Infrastructure rather than tanks or oversized pipes . Above ground flows through swales, basins etc are encouraged.
2. Demonstrate SUDS system will have sufficient Pollutant removal efficiency in accordance with Ciria Suds Manual C753
3. Basins sides should be no steeper than 1:4 and no deeper than 1.2m in the 1%AEP
4. Culverting shall be avoided where possible
5. De-culverting is encouraged.

Flood risk to be assessed

Flood risk	Applicable to subject site	Measures to reduce risk	Residual risk
Fluvial			
Pluvial			
Coastal			
Groundwater			
Dam/Embankment/Canal bank breach			
Network drainage			
Snow melt			
Watermain burst			

Note:

Models should consider the risk when outlets are surcharged