SuDS PROPRIETARY TREATMENT SYSTEMS CHECKLIST

SOAKAWAYS.COM ciria

DESIGN ASSESSMENT CHECKLIST: PROPRIETARY TREATMENT SYSTEM			
GENERAL INFORMATION			
Site ID			
Asset ID(s)			
System location(s) and co-ordinates		Drawing reference(s)	
Date of assessment		Specification reference(s)	
Primary treatment processes provided:			
System description			

CHECK	SUMMARY DETAILS	ACCEPTABLE (Y/N)	COMMENTS/ REMEDIAL ACTIONS
DIMENSIONS			
Dimension 1 (m) (describe)			
Dimension 2 (m) (describe)			
Dimension 3 (m) (describe)			
Depth to base – maximum and minimum (m)			
Cover – maximum and minimum (m)			
INFLOWS (SECTION 14.8.1)			
Provide a description of the contributing catchment land use and its size (m^2)			
Does the design include suitable inlet system to manage design inflows?			
OUTFLOWS (SECTION 14.8.2)			
Provide details of any flow control systems, overflow arrangements (for events that exceed the treatment event) and limiting discharge rate (s) from basin			
Maximum flow rate (and return period) for flows to be conveyed through the system			
WATER QUALITY PERFORMANCE (SECTION 14.5)			
Provide test data to show that the system delivers adequate removal of pollutants for rainfall events up to the 1-year return period. The critical type (duration) of event must be considered where the hydraulic behaviour is an essential component of the effectiveness of the treatment achieved			
Provide test data to show that the design minimises the risk of pollutants being remobilised and washed through the system by subsequent rainfall events, whether small or large			
STRUCTURAL (SECTION 14.2)			
Confirm type of unit or structure to be used			
Confirm that calculations are provided to demonstrate acceptable structural capacity over the proposed system design life and approved by a chartered engineer			

CHECK	SUMMARY DETAILS	ACCEPTABLE (Y/N)	COMMENTS/ REMEDIAL ACTIONS
CRITICAL MATERIALS AND PRODUCT SPECIFICATIONS (SECTION 14.9)			
Geomembrane			
Geotextile (non-woven)			
Topsoil			
Other (including proprietary systems)			
CONSTRUCTABILITY (SECTION 14.11)			
Are there any identifiable construction risks? If yes, state and confirm that acceptable risk management measures are proposed			
MAINTAINABILITY (SECTION 14.12)			
Confirm that access for maintenance is acceptable and summarise details			
Are there specific features that are likely to pose maintenance difficulties? If yes, identify mitigation measures required			
Confirm required maintenance frequency and cost of replacement filters etc.			
Identify any custom items required for maintenance that may be difficult to obtain from other suppliers			

SYSTEM DESIGN ACCEPTABILITY	SUMMARY DETAILS INCLUDING ANY CHANGES REQUIRED	ACCEPTABLE (Y/N)	DATE CHANGES MADE
Acceptable: Minor changes required: Major changes required/redesign:			