Green Infrastructure

Green Space Factor

Green Space Factor Calculation

South Dublin County Counci

Átha Cliath Theas **South Dublin County Council**

User input indicated by Orange fields

User Input				
Zoning lookup	Minimum GI Score			
EE	0.5			

Surface Surf	1. Enter Development Site Area m ² HERE▶	11800			
1. Short Lawn	Surface Type (see tab for detailed descriptions)	Factor		Factor Values	
Permeable Paving 0.3 412 123.6 Pegetation 0.4 254 101.6 Pegetation-Shrub below 3m 0.4 254 101.6 Pegetation-Shrub / Hedgerow above 3m 0.5 56 28 Pegetation-Pollinator friendly perennial planting 0.5 10.5 Pegetation-Preserved hedgerow 1.2 54 64.8 Pegetation-Preserved hedgerow 1.2 54 64.8 Pegetation-Preserved hedgerow 1.2 310 372 Pegetation-Preserved trees 1.2 310 372 Pegetation-Preserved trees 1.2 310 372 Pegetation-Shrub / Hedgerow above 3m 0.5 56 28 Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pegetation-Pe	l. Short Lawn	0.3		0	
101.6 101.	. Tall Lawn (wild, not mown)	0.5	378		
a. Vegetation-Shrub below 3m 0.4 254 101.6 b. Vegetation-Shrub / Hedgerow above 3m 0.5 56 28 c. Vegetation-Pollinator friendly perennial planting 0.5 d. Vegetation-Preserved hedgerow 1.2 54 64.8 rees a. New trees b. Preserved trees 1.2 310 372 310 372 372 310 372 372 373 374 375 375 376 377 378 378 378 378 378 378	ermeable Paving	0.3	412		
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Ass.	d. Vegetation-Preserved hedgerow	1.2	54	64.8	
b. Preserved trees 1.2 310 372 372 372 372 372 372 372 372 372 372	rees			_	
7. SuDS intervention (rain garden, bioswale) 7. SuDS intervention	sa. New trees	0.6	756	453.6	
Size Roof Da. Green Roofs - Intensive green roof (substrate is 200-1200mm in depth) Ob. Green Roofs - Extensive green roof (substrate is 80-200mm in depth) Ob. Green wall Ob. Green wall	b. Preserved trees	1.2	310	372	
2a. Green Roofs - Intensive green roof (substrate is 200-1200mm in depth) 2b. Green Roofs - Extensive green roof (substrate is 80-200mm in depth) 0.6 10. Green wall	7. SuDS intervention (rain garden, bioswale)	0.6	120	72	
b). Green Roofs - Extensive green roof (substrate is 80-200mm in depth) 0.6 0.4	Green Roof				
.0. Green wall 0.4	a. Green Roofs - Intensive green roof (substrate is 200-1200mm in depth)	0.7	-	_	
.0. Green wall 0.4					
	b. Green Roofs - Extensive green roof (substrate is 80-200mm in depth)	0.6			
	0. Green wall	0.4	-		
12. New open water 1.5	1. Retained Open Water	2	-		
	Total Equivalent Surface Area of Greening Factors		2340		

Green Factor Numerator

Minumum Required GI score	Final GI score	Result
0.5	0.12	Fail

Landscpe Proposals -Starrus Eco HoldingsLtd Project:

23/ORS/SEHL/003 Drawing No. November 27th 2023 Date: Client:

Starrus Eco Holdings Ltd.

(Green Space Factor Calculation Form)

Green Factor Calculation

<u>ltem</u>				Area Extrapolated		Weighting (<u> GI Result</u>
Total site (Red line area)					11800m2		
Green Factor Components :							
Trees Existing preserved					310m2	1.2	372
Eastern side	11no	Canopy area approx	10m2				
Western side	6no	Canopy area approx	25m2				
Road side	8no	Canopy area approx	20m2				
Hedgerows existing preserved					54m2	1.2	65
Front Boundary			54m2				
Democratic constraint							
Permeable car parking surface					412m2	0.3	124
New Vegetation (over 3m)					56m2	0.5	28
New Vegetation (less than 3m)					254m2	0.4	102
New Trees					756m2	0.6	454
Wildflower / meadow new					378m2	0.5	189
Suds Intervention (Swales)					120m2	0.6	72
Short lawn					0m2	0.3	0
Tall lawn					0m2	0.5	0
							1405
<u>Summary :</u>							
Total Site Area					1210	1	
Total Green (after Greening Factors)					140!	5	
GI Category Zoning : Minimum score required					0.5		
GI Score					0.12		

For purposes of broad Green Space calculations only.



Notes: