

The Barn Hotel
Urban Greening Factor

Key
Site Boundary
Notes:
Refer to TLP Landscape Proposals plan and UGF
Calculations Table for further details. Drawing not to scale

Total Site Area: 9643 m²
UGF score (total factor score / total site area): 0.61
UGF Target Score: 0.40

Surface Cover Type	Factor	Area	Score (Factor x Area)	Notes / Key (All measurements in m2 unless otherwise stated)
A Semi-natural vegetation (e.g. trees, woodland, species-rich grassland) maintained or established on site.	1	3043	3043	Existing Trees: 1103m2 (located within proposed semi-natural planting areas and wildflower areas) Proposed Native Trees: 23no = 644m2 (located within proposed semi-natural planting areas, based on a diameter of 6m, such as hornbeam, equalling 28m2 per tree) Proposed Mixed Native Shrub Planting: 499m2 Proposed Wildflower Meadow: 699m2 Proposed Mixed Species Native Hedgerows: 98m2
B Wetland or open water (semi-natural; not chlorinated) maintained or established on site.	1	48	48	Wildlife pond: 48m2
C Intensive green roof or vegetation over structure. Substrate minimum settled depth of 150mm	0.8		0	N/A
D Standard trees planted in connected tree pits with a minimum soil volume equivalent to at least two thirds of the projected canopy area of the mature tree	0.8	1144	915.2	Existing Trees: 472m2 (within proposed grass or ornamental planting) Proposed Native Trees: 20no = 560m2 (not within proposed semi-natural planting areas, based on a diameter of 6m such as hornbeam, equalling 28m2 per tree) Proposed Ornamental Trees: 16no. = 112m2 (based on a diameter of 3m such as Amelanchier, equalling 7m2 per tree)
E Extensive green roof with substrate of minimum settled depth of 80mm (or 60mm beneath vegetation blanket) – meets the requirements of GRO Code 2014.	0.7	577	403.9	Green Roof: 774m2
F Flower-rich perennial planting	0.7	225	157.5	Proposed Ornamental Shrub/Perennial Planting: 228m2 Mixed perennial and shrub planting, exact areas/species yet to be detailed. Assumed 25% of planting area to be flower rich perennial planting, and 75% of planting classed as Groundcover planting (ornamental shrubs) 903m2 total - 225m2 (25%)
G Rain gardens and other vegetated sustainable drainage elements	0.7		0	N/A
H Hedges (line of mature shrubs one or two shrubs wide)	0.6	430	258	Ornamental Hedges: 430m2
I Standard trees planted in pits with soil volumes less than two thirds of the projected canopy area of the mature tree.	0.6	91	54.6	Proposed Native Trees: 3no. = 84m2 (not including trees within proposed semi-natural planting areas. Based on a diameter of 6m such as hornbeam, equalling 28m2 per tree) Proposed Ornamental Trees: 1no. = 7m2 (based on a diameter of 3m such as Amelanchier, equalling 7m2 per tree)
J Green wall – modular system or climbers rooted in soil	0.6		0	N/A
K Groundcover planting	0.5	677	338.5	Proposed Ornamental Shrub/Perennial Planting: 675m2 Mixed perennial and shrub planting, exact areas/species yet to be detailed. Assumed 25% of planting area to be flower rich perennial planting, and 75% of planting classed as Groundcover planting (ornamental shrubs) 903m2 total - 677m2 (75%)
L Amenity grassland (species-poor, regularly mown lawn).	0.4	1301	520.4	Amenity Grassland: 1301m2
M Extensive green roof of sedum mat or other lightweight systems that do not meet GRO Code 2014	0.3	0	0	N/A
N Water features (chlorinated) or unplanted detention basins.	0.2	0	0	N/A
O Permeable paving	0.1	1384	138.4	Hardstanding: 1384m2 -block paving -coloured asphalt/resin
P Sealed surfaces (e.g. concrete, asphalt, waterproofing, stone).	0	3737	0	Built Form: 2247m2 Hardstanding: 1490m2 -Asphalt -Feature block paving -Flag paving
Total			5877.5	

Notes
A https://livingroofs.org/intensive-green-roofs/
B http://www.tdag.org.uk/trees-in-hard-landscapes.html
C https://livingroofs.org/wp-content/uploads/2016/03/grocode2014.pdf
D https://cfde.co.uk/front-page/about/case-studies/
E http://www.susdrain.org/case-studies/
F https://www.rhs.org.uk/advice/profile?pid=351
G https://www.thenbs.com/knowledge/the-nbs-guide-to-facade-greening
H https://www.rhs.org.uk/advice/profile?PID=818
I https://livingroofs.org/wp-content/uploads/2016/03/grocode2014.pdf
J http://www.susdrain.org
https://www.ciria.org/CIRIA/Topics/Sustainable_water_management/Topic_overviews/_Sustainable_water_management.aspx?hkey=11270a11-fcab-463c-90d7-93c8789c13a4

