## LBRUT Sustainable Construction Checklist - June 2020

This document forms part of the Sustainable Construction Checklist SPD. This document must be filled out as part of the planning application for the following developments: all residential development providing one or more new residential units (including conversions leading to one or more new units), and all other forms of development providing 100sqm or more of non-residential floor space. Developments including new non-residential development of less than 100sqm floor space, extensions less than 100sqm, and other conversions are strongly encouraged to comply with this checklist. Where further information is requested, please either fill in the relevant section, or refer to the document where this information may be found in detail, e.g. Flood Risk Assessment or similar. Further guidance on completing the Checklist may be found in the Justification and Guidance section of this SPD.

Property Name (if relevant):	Grosvenor Garage, Fitzgerald	Ave, East Sneen	Application No. (if known):		
Address (include, postcode)	Grosvenor Garage, Fitzgerald	Ave, East Sheen			
Completed by:					
	Ivan Ball				
For Non-Residential	107		For Residential		
Size of development (m2)	107		Number of dwellings 8		
1 MINIMUM COMPLIANCE	E (RESIDENTIAL AND NON-RES	SIDENTIAL)			
Energy Assessment					1
Has an energy assessm			e emissions saving from energy efficiency and renewable	TRUE	
energy measures, include	ding the feasibility of CHP/CCHP	and community heating systems? If yes, pleas	e select TRUE.		1
Carbon Dioxide emissions redu					
		against a Building Regulations Part L (2013) ba quire a 35% onsite reduction in CO <sub>2</sub> emissions is		68.41 %	
			Solona Ballating Regulations 2070.		
	reduction from efficiency measu			12.7 %	
		quire a 10% onsite reduction in CO2 emissions asures for residential and 15% for non-residentia	ıl.		
				55.71 %	
Percentage of total site	CO2 emissions saved through i	renewable energy installation?		55.71	
What is the total remain		Main Main development to achieve 7 Octob	- the - the - the - the -	2.696 Tonne	
Policy LP 22 B. and Dra	att London Plan Policy 9.2.4 req	quire Major developments to achieve Zero Carbo	n arter offsetting.		
Are remaining emissions	s going to be offset through offs	set fund payment in accordance with current gui	delines issued for the cost per tonne of CO2?	TRUE	
What is the total predict	ted cost of offset?			7683 £	
		30 years, this should be updated based on As	Build calculations.		
1A MINIMUM POLICY COM	MPLIANCE (NON-RESIDENTIAL	AND DOMESTIC REFURBISHMENT)			
		se check the Guidance Section of this SPD for	r the policy requirements		
Environmental Rating of develo					
Non-Residential new-build (100sc					
BREEAM Level Excellent required under Policy L	P22 A 3	Please Select	Have you attached a pre-assessment to support this?		FALSE
Extensions and conversions for n	residential dwellings		<del>_</del>		
BREEAM Domestic Refu Excellent required under Policy L		Please Select	Have you attached a pre-assessment to support this?		FALSE
			_		
Extensions and conversions for n		Please Select	Have you attached a pre-assessment to support this?		FALSE
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f.	see Policy LP 10 Have you attached a Lighting Pollution Report?	Subtotal 21						
The pro	give any additional relevant comments to the Energy Use and Pollution Section below oposals include all electric systems on site. Therefore will be no on-site emissions.							
	nsport							
3.1 Pro a.	ovision for the safe efficient and sustainable movement of people and goods  Does your development provide opportunities for occupants to use innovative travel technologies?		FALSE					
Please	explain:							
b.	Does your development provide for 100% active provision for electric vehicle charging point(s) and have you successfully demonstrated that it would be able to operate satisfactorily in the future expectation of all vehicles being electrically powered?							
C.	For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance?  If you have provided a Transport Assessment as part of your planning application, please tick here and move to Section 3 of this Checklist.  5							
d.	See policy LP44 For smaller developments ONLY: Have you provided a Transport Statement?	5	TRUE					
e.	Does your development provide cycle storage? (Standard space requirements are set out in the Council's Parking Standards - Local Plan Appendix 3)  If so, for how many bicycles?  Is this shown on the site plans?	7	TRUE					
f.	See Local Plan Appendix 3 Will the development create or improve links with local and wider transport networks? If yes, please provide details.	2	FALSE					
		Subtotal 9						
	give any additional relevant comments to the Transport Section below torage is provided.							
4 4 1 Min	BIODIVERSITY  nimising the threat to biodiversity from new buildings, lighting, hard surfacing and people							
a.	Does your development involve the loss of an ecological feature or habitat, including a loss of garden or other green space? (Indicate if yes)  If so, please state how much in sqm?	-2 sqm	FALSE					
b.	Does your development involve the removal of any tree(s)? (Indicate if yes)  If so, has a tree report been provided in support of your application? (Indicate if yes)		FALSE FALSE					
C.	Does your development plan to add (and not remove) any tree(s) on site? (Indicate if yes)		FALSE					
d.	Please indicate which features and/or habitats that your development will incorporate to improve on site biodiversity:  Pond, reedbed or extensive native planting  An extensive green roof  An intensive green roof  An intensive green roof  Garden space  Additional native and/or wildlife friendly planting to peripheral areas  Additional planting to peripheral areas  Additional planting to peripheral areas  Al iving wall  Bat boxes  0.5	sqm sqm 264 sqm sqm sqm sqm	FALSE FALSE TRUE TRUE FALSE FALSE FALSE TRUE					
	Bird boxes         0.5           Swift boxes         0.5           Other         0.5		TRUE TRUE FALSE					
e.	Does your development use at least 70% of available roof plate as green/brown roof Policy LP 17 requires 70%	1	FALSE					
	give any additional relevant comments to the Biodiversity Section below	Subtotal 9.5						
A greer	n roof is provided. Bat boxes, Bird boxes and Swift boxes could be installed.							
5	FLOODING AND DRAINAGE							
Mitigati a.	ing the risks of flooding and other impacts of climate change in the borough Is your site located in a high flood risk zone (Zone 3)? (Indicate if yes) Have you submitted a Flood Risk Assessment? (Indicate if yes)	-2	FALSE TRUE					
b.	Which of the following measures of the drainage hierarchy are incorporated onto your site? (tick all that apply)  Store rainwater for later use	5	FALSE					
	Use of infiltration techniques such as porous surfacing materials to allow drainage on-site Attenuate rainwater in ponds or open water features Store rainwater in tanks for gradual release to a watercourse	3 4 3	FALSE FALSE					
	Discharge rainwater directly to watercourse Discharge rainwater directly to watercourse Discharge rainwater to surface water drain Discharge rainwater to combined sewer	2 1 0	FALSE FALSE TRUE					
	Have you submitted a Drainage Statement (Indicate if yes) See Policy LP 21 and Draft London Plan SL 13	Ŭ	FALSE					
C.	Please give the change in area of permeable surfacing which will result from your development proposal:  Please give the change in area of permeable surfacing which will result from your development proposal:  Please provide details of the permeable surfacing below  please represent a loss in permeable area as a negative number	sqm						
Please	give any additional relevant comments to the Flooding and Drainage Section below	Subtotal 3						
6	IMPROVING RESOURCE EFFICIENCY							
6.1 Red a.	duce waste generated and amount disposed of by landfill though increasing level of re-use and recycling Will demolition be required on your site prior to construction? (Points will only be awarded if 10% or greater of demolition waste is reused/recycled]	1	TRUE					
	If so, what percentage of demolition waste will be reused in the new development?  What percentage of demolition waste will be recycled?  80	% %						
		/0						
b.	Does your site have any contaminated land?  Have you submitted an assessment of the site contamination?	1 2	FALSE FALSE					

			ce to remediate the contamination?		2	FALSE
			itted a remediation plan? ce to include composting on site?		1	FALSE FALSE
					•	TALOE
C.	Will a waste manageme	nt plan and facilit	ies be in place in line with Policy LP24	Yes		
	ducing levels of water wa	aste				
a.	Will the following measu		ervation be incorporated into the development? (Please tick all that apply):		4	TRUE
			efficient taps, shower heads etc ficient A or B rated appliances		1	TRUE
			esting for internal use		4	FALSE
		Greywater syste			4	FALSE
		Fit a water mete	ır		1	TRUE
					Subtotal 3	
Please	give any additional releva	nt comments to t	ne Improving Resource Efficiency Section below		Gubtotar	
7 7.1	ACCESSIBILITY					
a.	Ensure flexible adapta		n use or structures neet the requirements of the nationally described space standard for internal space and layout?		1	TRUE
			are not met, in the space below, please provide details of the functionality of the internal space and layout		•	
AND						
b.	If the development is r		neet Building Regulation Requirement M4 (2) 'accessible and adaptable dwellings'?		2	TRUE
		If this is not me	i, in the space below, please provide details of any accessibility measures included in the development.			
			ential developments, are 10% or more of the units in the development to Building Regulation Requirement M4		1	TRUE
OR		(3) 'wheelchair	iser aweilings?			
C.	If the development is n	non-residential,	oes it comply with requirements included in Richmond's Local Plan LP1, LP28.B, LP30 & LP45		2	TRUE
		Please provide	details of the accessibility measures specified in the Local Plan that will be included in the development			
					Subtotal 6	
Please	nive any additional releva	nt comments to t	ne Design Standards and Accessibility Section below		Subtotal 6	
1 10000	give any additional releva	int dominonto to t	to bedign standards and Accessioning occion below			
I DDUT C		L!:!-4 C!-	Nation for New Construction		50.5	
LDRUI Sus			Matrix for New Construction (Non-Residential and domestic refurb)	1	TOTAL 52.5	
	Score 84 or more	Rating A+	Significance Project strives to achieve highest standard in energy efficient sustainable development	1		
	75-83	A	Makes a major contribution towards achieving sustainable development in Richmond	1		
	56-74	В	Helps to significantly improve the Borough's stock of sustainable developments	]		
	40-55	С	Minimal effort to increase sustainability beyond general compliance			
	39 or less	FAIL	Does not comply with SPD Policy	J		
LBRUT Sue	stainable Construction C	hecklist-Scoring	Matrix for New Construction Residential new-build			
	Score	Rating	Significance	1		
	85 or more	A++	Project strives to achieve highest standard in energy efficient sustainable development	1		
	68-84	A+	Project strives to achieve higher standard in energy efficient sustainable development	1		
	59-67	A	Makes a major contribution towards achieving sustainable development in Richmond	1		
	39-58	В	Helps to significantly improve the Borough's stock of sustainable developments	1		
	24-38	С	Minimal effort to increase sustainability beyond general compliance			
	23 or less	FAIL	Does not comply with SPD Policy	]		
Authorisati	ion:		<del></del>			
I herew	ith declare that I have fille	d in this form to t	he best of my knowledge			
			<b>.</b> .			
			Signature	Date		