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):			Application No. (if known): PP-13127366		
Address (include, postcode)	Sion Court, TW1	1 3DD			
Completed by:					
For Non-Residential Size of development (m2)	2,547.76		For Residential Number of dwellings 5		
			Number of dwellings		
1 MINIMUM COMPLIA	NCE (RESIDENTIA	AL AND NON-RESIDENTIAL)			
Energy Assessment		_			
		tted that demonstrates the expected energy and carbon dioxid he feasibility of CHP/CCHP and community heating systems?		TRUE	
		te reasibility of or it 700 ft and community fleating systems:	Tryes, please select Tree.		
Carbon Dioxide emissions re		sions reduction against a Building Regulations Part L (2013) b	pasalina	59 %	
		Policy 9.2.5 require a 35% onsite reduction in CO_2 emissions		33 /0	
				2010	
	_	officiency measures alone Policy 9.2.6 require a 10% onsite reduction in CO2 emissions		26 %	
		efficiency measures for residential and 15% for non-residenti			
Percentage of total s	ita CO2 amissions s	saved through renewable energy installation?		33 %	
i elcentage of total s	ite CO2 emissions s	saved unough renewable energy installation:		33 76	
What is the total rema			on alter affection	1.5 Tonne	
Policy LP 22 B. and L	Draft London Plan P	Policy 9.2.4 require Major developments to achieve Zero Carb	on after offsetting.		
Are remaining emissi	ons going to be offs	set through offset fund payment in accordance with current gu	uidelines issued for the cost per tonne of CO2?	TRUE	
What is the total pred	licted cost of offset?	?		4,275 £	
		per year over 30 years, this should be updated based on As I	Build calculations.		
1A MINIMUM POLICY C	OMPLIANCE (NON	N-RESIDENTIAL AND DOMESTIC REFURBISHMENT)			
	ì	Please check the Guidance Section of this SPD for the	e policy requirements		
Environmental Rating of dev	elopment:				
Non-Residential new-build (10	0sqm or more)				
BREEAM Level Excellent required under Polic	v LP22 A 3	Please Select	Have you attached a pre-assessment to support this?		FALSE
Extensions and conversions for	or residential dwe <u>llin</u>				
BREEAM Domestic R Excellent required under Polic		Please Select	Have you attached a pre-assessment to support this?		FALSE
Extensions and conversions for					
BREEAM Level Excellent required under Police	CV I P 22	Please Select	Have you attached a pre-assessment to support this?		FALSE
Excellent required under 1 one	Dy LI ZZ				
Score awarded for En	u isonamental Datina			Subtetal	
BREEAM:		g. Good = 4, Excellent = 8, Outstanding = 16		Subtotal 0	
	•	-			
1B MINIMUM POLICY C	OMPLIANCE (RES	SIDENTIAL)		Score	
Water Usage				200.0	
		systems limited to 105 litres person per day. (Excluding an all ter efficiency calculator for new dwellings have been submitte		1	TRUE
		der Policy LP22 A 2 105l/p/d required under Draft London Plan		·	INOL
				Subtotal 1	

2. ENERGY USE AND POLL	JTION		
2.1 Need for Cooling		Score	
a. How does the develo	pment incorporate cooling measures? Tick all that apply:	•	TRUE
	Energy efficient design incorporating specific heat demand to less than or equal to 15 kWh/sqm	6	TRUE
	Reduce heat entering a building through providing/improving insulation and living roofs and walls	2	TRUE
	Reduce heat entering a building through shading	3 4	FALSE FALSE
	Exposed thermal mass and high ceilings	· · · · · · · · · · · · · · · · · · ·	
	Passive ventilation	3	TRUE
	Mechanical ventilation with heat recovery	1	TRUE
See Draft London Pla	Active cooling systems, i.e. Air Conditioning Unit	0	FALSE
See Drait London Fil	11 314		
.2 Heat Generation			
	and cooling systems, with preference to the heating system hierarchy, been selected (defined in London Plan policy SI3) Tick all heating an will be used in the development:	nd Score	
cooling systems that	Connection to existing heating or cooling networks powered by renewable energy	6	FALSE
	Connection to existing heating or cooling networks powered by remember energy Connection to existing heating or cooling networks powered by as or electricity	5	FALSE
	Site wide CHP network powered by renewable energy	4	FALSE
	Site wide CHP network powered by gas	3	FALSE
	Communal heating and cooling powered by renewable energy	2	TRUE
	Communal heating and cooling powered by gas or electricity	1	FALSE
	Individual heating and cooling	0	FALSE
See Draft London Pla	nn SI3		
.3 Pollution: Air, Noise and	Light		
. Does the developme	t plan to implement reduction strategies for dust emissions from construction sites?	2	FALSE
. Does the developme	nt plan to include a biomass boiler?		FALSE
	If yes, please refer to the biomass guidelines for the Borough of Richmond, please see guidance for supplementary		
	information. If the proposed boiler is of a qualifying size, you may need to complete the information request form found on the Richmond website.		
. Has an air quality im	pact assessment been provided		FALSE
,	If yes, has 'Emissions Neutral' been achieved	1	FALSE
	If yes, have occupants of new development been protected from existing pollution	1	FALSE
	If no to any of the above are there any sensitive receptors as defined in Policy LP 10 present?	-1	FALSE
see Policy LP 10	,		
. Please tick only one	option below		
	Has the development taken measures to reduce existing noise and enhance the existing soundscape of the site?	3	FALSE
	Has the development taken care to not create any new noise generation/transmission issues in its intended operation?	1	FALSE
see Policy LP 10	3		
. Has the developmen	taken measures to reduce light pollution impacts on character, residential amenity and biodiversity?	3	TRUE
see Policy LP 10			
	Lighting Pollution Report?	-	
		Subtotal 17	7
Please give any additional rel	evant comments to the Energy Use and Pollution Section below		-

3. TR	INSPORT		
3.1 Pr	ovision for the safe efficient and sustainable movement of people and goods		
a.	Does your development provide opportunities for occupants to use innovative travel technologies?		FALSE
	,		
Please	explain:		
		Score	
	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	Score	
b.	Dues your development provide on rook active provision for electric venicle criarging 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?	2	FALSE
D.	operate satisfactionly in the ruture expectation of all venicles being electrically powered?	2	TALGE
C.	For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice Guidance?		
C.		5	TRUE
	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	IKUE
	See policy LP44		
d.	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)	2	TRUE
	If so, for how many bicycles?	28	
	Is this shown on the site plans?		TRUE
	See Local Plan Appendix 3		
f.	Will the development create or improve links with local and wider transport networks? If yes, please provide details.	2	FALSE
		Subtotal 12	
Please	give any additional relevant comments to the Transport Section below		

4.4 Minimising 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? 5. Does your development involve the removal of any tree(s)? (Indicate if yes) If so, has at tree report been provided in support of your application? (Indicate if yes) TRUE A 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 5 Area provided: An extensive green roof 4 Area provided: An intensive green roof 4 Area provided: Garden space Additional planting to peripheral areas 3 Area provided: Anting provided: A	4	BIODIVERSITY					
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	1 lease	give any additional relevant comments to the blodiversity Section below				1	
						l	
						ı	

5	FLOODING AND DRAINAGE		
1 Mitiga	ting the risks of flooding and other impacts of climate change in the borough		
a.	Is your site located in a high flood risk zone (Zone 3)? (Indicate if yes)	-2	FALSE
	Have you submitted a Flood Risk Assessment? (Indicate if yes)		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	TRUE
	Use of infiltration techniques such as porous surfacing materials to allow drainage on-site	3	FALSE
	Attenuate rainwater in ponds or open water features	4	FALSE
	Store rainwater in tanks for gradual release to a watercourse	3	FALSE
	Discharge rainwater directly to watercourse	2	FALSE
	Discharge rainwater to surface water drain	1	TRUE
	Discharge rainwater to combined sewer	0	FALSE
	Have you submitted a Drainage Statement (Indicate if yes)		TRUE
	See Policy LP 21 and Draft London Plan SL 13		
C.	Please give the change in area of permeable surfacing which will result from your development proposal:	sqm	
	Please provide details of the permeable surfacing below please re	present a loss in permeable area as a negative number	
		Subtotal 6	
Please	give any additional relevant comments to the Flooding and Drainage Section below		
,			
6	IMPROVING RESOURCE EFFICIENCY		
6.1 Re	duce waste generated and amount disposed of by landfill though increasing level of re-use and recycling		
a.	Will demolition be required on your site prior to construction? [Points will only be awarded if 10% or greater of dem	nolition waste is reused/recycled] 1	TRUE
		<u></u>	
	If so, what percentage of demolition waste will be reused in the new development?	%	
		<u></u>	
	What percentage of demolition waste will be recycled?	%	
b.	Does your site have any contaminated land?	1	Please Select:
	Have you submitted an assessment of the site contamination?	2	Please Select:
	Are plans in place to remediate the contamination?	2	Please Select:
	Have you submitted a remediation plan?	1	Please Select:
	Are plans in place to include composting on site?	1	Please Select:
C.	Will a waste management plan and facilities be in place in line with Policy LP24		
6.2 Re	ducing levels of water waste		
a.	Will the following measures of water conservation be incorporated into the development? (Please tick all that apply	r):	
	Fitting of water efficient taps, shower heads etc	1	Please Select:
	Use of water efficient A or B rated appliances	1	Please Select:
	Rainwater harvesting for internal use	4	Please Select:
	Greywater systems	4	Please Select:
	Fit a water meter	1	Please Select:
	a material and		0000 00.001.
		Subtotal 0	
Please	give any additional relevant comments to the Improving Resource Efficiency Section below	Subiotal	
riease	give any additional relevant comments to the improving Resource Empley Section below		

,	ACCESSIBILITY					
		table and long-	erm use of structures			
			it meet the requirements of the nationally described space standard for internal space and layout?		1	TRUE
		If the standard	s are not met, in the space below, please provide details of the functionality of the internal space and layout			
. NID						
AND	If the development is	recidential wil	it meet Building Regulation Requirement M4 (2) 'accessible and adaptable dwellings'?		2	TRUE
	ii tile developillelit is		et, in the space below, please provide details of any accessibility measures included in the development.		2	INUE
		11 1113 13 1101 111	the space below, please provide details of any accessionity measures mediate in the development.			
			dential developments, are 10% or more of the units in the development to Building Regulation		1	TRUE
		Requirement I	M4 (3) 'wheelchair user dwellings'?			
DR	With a standard comment to		Laboration and the second control of the Birth and Blood Blood B LD00 B			EALOE
;.	if the development is	non-residentia	I, does it comply with requirements included in Richmond's Local Plan LP1, LP28.B, LP30 & LP45		2	FALSE
		Please provid	e details of the accessibility measures specified in the Local Plan that will be included in the development			
		i lease piovid	s details of the accessibility measures specified in the Local Filan that will be included in the development			
					Subtotal 4	
Please g	give any additional rele	vant comments	to the Design Standards and Accessibility Section below			
Please g	give any additional rele	vant comments	to the Design Standards and Accessibility Section below			
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			to the Design Standards and Accessibility Section below oring Matrix for New Construction (Non-Residential and domestic refurb)		TOTAL 53.5	
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