LBRUT Sustainable Construction Checklist - January 2016

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.

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Property Name (if relevant):	OLD POLICE STATION	Application No. (if known):	
Address (include. postcode)	60 - 68 STATION ROAD, HAMPTON, TW12	2AX	
Completed by:	, , , ,		
For Non-Residential		For Residential	
Size of development (m2)	560/m ²	Number of dwellings	
1 MINIMUM COMPL	IANCE (RESIDENTIAL AND NON-RESIDE	ENTIAL)	
Energy Assessment		the evented energy and early an disvide emissions equips from	\checkmark
		the expected energy and carbon dioxide emissions saving from ne feasibility of CHP/CCHP and community heating systems? If	
yes, please tick.			
Carbon Dioxide emissions	reduction		
	dioxide emissions reduction against a Build	ling Regulations Part L (2013) baseline	35%
Policy DM SD 1 ar	d London Plan Policy 5.2 (2015) require a 3	85% reduction in CO $_2$ emissions beyond Building Regulations 2013	3.
Percentage of total	site CO2 emissions saved through renewable er	nergy installation?	21%
1A MINIMUM POLICY	COMPLIANCE (NON-RESIDENTIAL AND		
	Please check the Guidance Sec	ction of this SPD for the policy requirements	
Environmental Rating of de	-		
Non-Residential new-build (1 BREEAM Level		Use you attached a pro-accompany to support this?	_
Extensions and conversions	for residential dwellings	Have you attached a pre-assessment to support this?	
BREEAM Domesti		Have you attached a pre-assessment to support this?	
Extensions and conversions			
BREEAM Level	Please Select	Have you attached a pre-assessment to support this?	
Score awarded for E	nvironmental Rating:		Subtotal
BREEAM:	Good = <mark>0</mark> , Very Good = 4, Excellent = 8 , Ou	utstanding = 16	

1B MINIMUM POLICY COMPLIANCE (RESIDENTIAL)

Water Usage

Internal water usage limited to 105 litres person per day. (Excluding an allowance 5 litres per person per day for external water consumption). Calculations using the water efficiency calculator for new dwellings have been submitted.

□ 1

Subtotal

.1 Ne	eed for Cooling	Scor	e
	How does the development incorporate cooling measures? Tick all that apply:		
	Energy efficient design incorporating specific heat demand to less than or equal to 15 kWh/sqm		6
	Reduce heat entering a building through providng/improving insulation and living roofs and walls		2
	Reduce heat entering a building through shading		3
	Exposed thermal mass and high ceilings		4
	Passive ventilation		3
	Mechanical ventilation with heat recovery		1
	Active cooling systems,		C
2 He	at Generation		
	How have the heating and cooling systems, with preference to the heating system hierarchy, been selected (defined in London Plan		
	Connection to existing heating or cooling networks powered by renewable energy		6
	Connection to existing heating or cooling networks powered by gas or electricity		5
	Site wide CHP network powered by renewable energy		4
	Site wide CHP network powered by gas		З
	Communal heating and cooling powered by renewable energy		2
	Communal heating and cooling powered by gas or electricity		1
	Individual heating and cooling		0
3 Po	Ilution: Air, Noise and Light		
	Does the development plan to implement reduction strategies for dust emissions from construction sites?		2
	Does the development plan include a biomass boiler?		-
	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		-
	Please tick only one option below		
	Has the development taken measures to reduce existing noise and enhance the existing soundscape of the		3
	Has the development taken care to not create any new noise generation/transmission issues in its intended		1
	Has the development taken measures to reduce light pollution impacts on character, residential amenity and biodiversity?	Ø	3
	Have you attached a Lighting Pollution Report?		-
		Subto	ta
lease	give any additional relevant comments to the Energy Use and Pollution Section below		_

3. TRANSPORT

3.1 Provision for the safe efficient and sustainable movement of people and goods

Does your development provide opportunities for occupants to use innovative travel technologies? a.

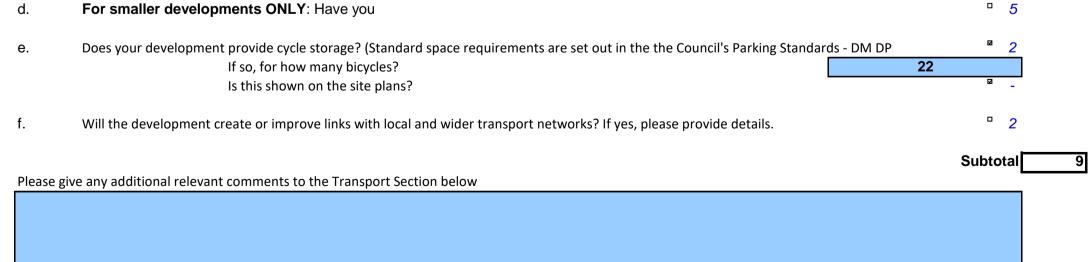
Please explain:

b. Does your development include charging point(s) for electric cars?

For major developments ONLY: Has a Transport Assessment been produced for your development based on TfL's Best Practice c. ⊠ 5 If you have provided a Transport Assessment as part of your planning application, please tick here and move to Se

[∞] 2

18



	nimising the threat to biodiversity from new building Does your development involve the loss of an ecological		• • •	or groop space? (Indicate if y	es) <u>-2</u>
	If so, please state how much in s		tat, including a loss of garden of oth	er green spacer (indicate if y	es) -2 sqm
	ii so, please state now much in s	squu:			Squ
	Does your development involve the removal of any tree(s)? (Indicate if y	/es)		ē
			t of your application? (Indicate if yes	5)	<u> </u>
	Does your development plan to add (and not remove) ar	ny tree(s) on site	e? (Indicate if yes)		
	Please indicate which features and/or habitats that your	development w	vill incorporate to improve on site bi	odiversity:	
	Pond, reedbed or extensi	6 🗆	Area provided:		sqm
	An extensive green roof	<mark>5</mark> "	Area provided:		sqm
	An intensive green roof	4 🛛	Area provided:		sqm
	Garden space	4 ⊠	Area provided:	SEED DRAV	wing plo29A sqm
	Additional native and/or	3 ⊠	Area provided:	SEED DRA	WING PL029A sqm
	Additional planting to pe	2 ⊠	Area provided:	SEED DRAV	WING PLO29A sqm
	A living wall	2 🛛	Area provided:		sqm
	Bat boxes	<i>0.5</i> [□]			
	Bird boxes	<i>0.5</i> [⊠]			
	Other	0.5 "			_
					Subtotal
ase	give any additional relevant comments to the Biodiversity Se	ction below			
	FLOODING AND DRAINAGE				
	Is your site located in a high flood risk zone (Zone				□ -2 ¤
					□ -2 ∞ _
	Is your site located in a high flood risk zone (Zone	hy are incorpora	ated onto your site		2
	Is your site located in a high flood risk zone (Zone Have you submitted a Flc	hy are incorpora	ated onto your site		2
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What percentage of demolition waste will be recycled?

98.50% %

9

b.	Does your site have any contaminated land?	⊠ 1
	Have you submitted an assessment of the site contamination?	≅ 2
	Are plans in place to remediate the contamination?	⊠ 2
	Have you submitted a remediation plan? (OUTLINED IN CONTAMINATION REORT)	2 1
	Are plans in place to include composting on site?	1
6.2 Re	educing levels of water waste	
a.	Will the following measures of water conservation be incorporated into the development? (Please tick all that apply):	
	Fitting of water efficient taps, shower heads etc	⊠ 1
	Use of water efficient A or B rated appliances	⊠ 1
	Rainwater harvesting for	- 4
	Greywater systems	- 4
	Fit a water meter	⊠ 1
		Subtotal

Please give any additional relevant comments to the Improving Resource Efficiency Section below

7	ACCESSIBILITY	
7.1	Ensure flexible adaptable and long-term use of structures	
a.	If the development is residential, will it meet the requirements of the nationally described space standard for internal space and layout?	[–] 1
	If the standards 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 residential, will it meet Building Regulation Requirement M4 (2) 'accessible and adaptable dwellings'? If this is not met, in the space below, please provide details of any accessibility measures included in the development.	[•] 2
	In this is not met, in the space below, please provide details of any accessionity measures included in the development.	
	For major residential developments, are 10% or more of the units in the development to	□ <u>1</u>
	Building Regulation Requirement M4 (3) 'wheelchair user dwellings'?	
OR	Killer deutlemment is new estimation deut in en deutlemmente in hete die Dichmen die Deutlem (er Mertinen Asses	
С.	If the development is non-residential, does it comply with requirements included in Richmond's Design for Maximum Access SPG Please provide details of the accessibility measures specified in the Maximum Access SPG	[∞] 2
	that will be included in the development	
		Subtotal 2
	give any additional relevant comments to the Design Standards and Accessibility Section below	
	ble measures that are compliant include: Ind provision of spaces for orange badge holders / Approach to and access into the building / Internal circulation	
	and contrast of internal surfaces / Internal spaces to care suites will be wheelchair friendly i.e. widths of doorways and turning within interna	al space

(Non-Residential and domestic refurb)		
Score	Rating	Significance
80 or more	A+	Project strives to achieve highest standard in energy efficient sustainable
71-79	A	Makes a major contribution towards achieving sustainable development in Richmond
51-70	В	Helps to significantly improve the Borough's stock of sustainable developments
36-50	С	Minimal effort to increase sustainability beyond general compliance
35 or less	FAIL	Does not comply with SPD Policy

Residential new-build		
Score	Rating	Significance
81 or more	A++	Project strives to achieve highest standard in energy efficient sustainable develo
64-80	A+	Project strives to achieve highest standard in energy efficient sustainable
55-63	A	Makes a major contribution towards achieving sustainable development in Richmond
35-54	В	Helps to significantly improve the Borough's stock of sustainable developments
20-34	С	Minimal effort to increase sustainability beyond general compliance
19 or less	FAIL	Does not comply with SPD Policy

I herewith declare that I have filled in this form to the best of my knowledge

TOTAL

64