Client Name – Mr & Mrs A Holder

Address –69 Newbold Road, Barleston, Hinckley

Date - November 2011

CODE LEVEL - 3

57 points required

Total **percentage** points score	Code level
36	1
48	2
57	3
68	4
84	5
90	6

Category	Total credits in each category	Weighting factor (% points contribution)	Approximate weighted value of each credit
1. Energy & CO2	31	36.4 %	1.17
2. Water	6	9 %	1.5
3. Materials	24	7.2%	0.3
4. Surface water run off	4	2.2%	0.55
5. Waste	8	6.4%	0.80
6. Pollution	4	2.8%	0.7
7. Health & Wellbeing	12	14.0%	1.17
8. Management	9	10%	1.11
9. Ecology	9	12%	1.33
TOTAL	**107**	**100%**	

Potential areas where credits might be collected are detailed below. The assessor has tried to identify the areas where credits may be achieved more easily or at a lesser cost

If the client wishes to gain further information on the information required this can be gained from Code for Sustainable Homes – Technical Guide 2010.download available from
http://www.planningportal.gov.uk/uploads/code_for_sustainable_homes_techguide.pdf

The aim of this document is to direct the client to where a building which is aimed at achieving CSH Level 3 status may gain the necessary credits. Mandatory sections are highlighted in grey

Note
There are three minimum performance standards that need to be achieved – no credit awards. These are

- Environmental impact of materials (mat 1)
- Management of Surface water run-off from developments (sur 1)
- Storage of non-recyclable waste and recyclable waste (was 1)

Without these three satisfied a Code Rating cannot be awarded

The aim in this document is draw attention to the evidence required – see final column – this information will need to be sent to the assessor

1 – ENERGY (based on SAP 2010)

Category code	Category and CSH page ref	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 1.17
Ene 1	Energy 32	Dwelling Emission Rating (DER)	0 1 2	DER <8% DER <16% DER < 25% (L4)	Yes	Must use – note less points than in the past SAP 2005 No SAP analysis yet	1.3	1.52
Ene 2	Energy 40	**Fabric Energy Efficiency**	3 4	FEE < 60 FEE < 55 KWh/m2/y	Yes	From SAP analysis Based on Glenn Shewan SAP	3	3.51

						analysis		
Ene 3	Energy 46	Energy Display Devices	1 2	Current electricity and/or primary heating energy consumption displayed	No	Either = 1 Both = 2	2 (preferred)	2.34
Ene 4	Energy	Drying Space	1	Space for drying	No	Easily achievable	1	1.17
Ene 5	Energy 54	Energy labelled white goods	1 2	Energy efficient white goods **But needs to be provided**	No	Easily achievable	2	2.34
Ene 6	Energy 58	External lighting	1 2	Energy efficient -includes security	No	Easily achievable	2	2.34
Ene 7	Energy 63	Low or zero carbon technologies	1 2	Wind, Biomass, HEP, Solar Heat Pumps, 1 if 10% reduction in CO2 2 if 15% reduction	No	May be useful in achieving DER and LZC points	2	2.34
Ene 8	Energy 72	Cycle Storage	1 2	Space for cycle storage 3 bed – storage for 2 cycles	No	Should be achievable	2	2.34
Ene 9	Energy 77	Home office	1	Space for office at home	No	Should be achievable	1	1.17

2 - WATER

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 1.5
Wat 1	Water	Indoor water use	3	Consumption < 105 litre / pers / day	Yes	Must use	3	4.5
Wat 2	Water	External water	1	Use of rainwater collection	No	Easily achievable	1	1.5

3 - MATERIALS

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 0.3
Mat 1	Materials	Environmental impact of materials	Up to 15	Via BRE website	Yes	Can get some but maybe not all	11 ESTIMATED	3.3
Mat 2	Materials	Responsible sourcing of materials	Up to 6	80% of materials responsibly sourced	No	Achieve some?	0 Not used	0
Mat 3	Materials	Responsible sourcing of finishing elements	Up to 3	80% of materials responsibly sourced	No	Probably leave	0 Not used	0

Not worth going for maximum credits as low weighted value

4 - SURFACE WATER RUN OFF

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 0.55
Sur 1	Surface Water run off	Surface Water run off	2	Peak rate run off and volume of run off	Yes	Hydrologist's report required **Quite detailed**	2	1.1
Sur 2	Surface Water run off	Flood risk	1 2	Dependent on location	no	Easily achievable	2	1.1

				Requires Evironmental Agency Report				

** externally appointed professional required

5 – WASTE

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 0.80
Was 1	Waste	Storage of recyclable waste	2 4	Bin capacities required	Yes	4 points can be achievable with minimum cost	4?	3.2
Was 2	Waste	Construction site waste management	1 2 3	Constructor's letter	No	50% waste diverted from landfill for 2 Likely to not use	0	0
Was 3	Waste	Composting		Home composting	No	Easy to achieve	1	0.8

6 – POLLUTION

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 0.7
Pol 1	Pollution	Global warming Potential	1	Global warming potential of insulating materials	No	Possible	1?	0.7?
Pol 2	Pollution	NOx emissions	1 2 3	Based on NOx emissions from boilers - Look at SEDBUK if gas / oil boiler used	No	Gas boiler – assumed – minimum assumed If ASHP or	1	0.7

						GSHP used will be zero points		

7 – HEALTH & WELL BEING

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 1.17
Hea 1	Health & Well-being	Day lighting	1 2 3	Calculations required to calculate in different rooms	No	Might not get all – assume 2 of 3	2	2.34
Hea 2	Health & Well-being	Sound insulation	1 2 3 4	Approved Doc E – needs sound testing if other than detached	no	Detached get 4 default	4	4.68
Hea 3	Health & Well-being	Private space	1	Private garden space	No	Easy to achieve	1	1.17
Hea 4	Health & Well-being	Life time home	4	Only level 6	Yes (level 6)	Could be considered if short on points in actual Design stage	0	0

8 – Management

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 1.11
Man 1	Management	Home User Guide	1 2 3	Provision of Home user guide	No	Extra point if site and surroundings in accordance	2	2.22

						with checklist		
Man 2	Management	Considerate constructors scheme	1 2	Commitment to best practice = 1 Above and beyond =2	No	Probably not required	0	0
Man 3	Management	Construction site impacts	1 2	Procedures covering two or more of various targets 4 or more for =2	No	Probably not required	0	0
Man 4	Management	Consultation with Architectural liaison officer or Crime Design Prevention Advisor	2	Documentary evidence of consulation	no	Worth addressing –	2	2.22

9 - Ecology

Category code	Category	Title	Points	Detail	Mandatory	Comment	Accumulative To use	X 1.33
Eco 1	Ecology	Ecological value of Site	1	Land confirmed as of low ecological value	no	Can be done by checklist or ecologist report Potentially to use	1	1.33
Eco 2	Ecology	Ecological Enhancement	1	Acceptance of key recommendations + 30% of additional	no	Assumed as used if credits are tight to achieve 57	1	1.33
Eco 3	Ecology	Protection of Ecological	1	Existing ecological features	No	Potentially to use	1	1.33

		Features		maintained during construction				
Eco 4	Ecology	Change in ecological value of site	1 2 3 4	Calculation of Ecological value before and after	No	Potential planting costs?	2	2.66
Eco 5	Ecology	Building footprint	1 2	Ratio of floor area to ground floor area	No	Unlikely to achieve unless three storey or room in roof	0	0

Total of 57 points achieved and exceeded to 57.03 – other routes may be possible. The above is one possibility; the distribution of points is particularly affected by SAP and the form of primary heating