SUSTAINABILITY SKILLS MATRIX FOR THE BUILT ENVIRONMENT FUNCTIONS [DRAFT]

*NB: Number of stars denotes level of involvement, not relative importance (ie *** = primary role, ** = involved in, * = aware and take action as necessary)*

COMPONENTS OF SUSTAINABILITY	ABILITIES	Investment Function	Insurance Function	Planning Function	Client Function	Procurment Function	Design Function	ries Function	Construction Function	Regulatory Function	Supply Function	Operation and Managem	Demolition Function
To achieve Sustainability in:	**The 'Functions' need to be able to:**												
SOCIAL													
Maximising opportunities and social benefits	create successful communities and useable public space	**		***	***	*	**	*	*	***	*	*	
	improve health, wellbeing and security of community	**	*	**	***	*	**	*	*	***	*	*	
	enhance employment opportunities for local community	**		**	***	**	**	**	**	*	**	***	*
Planning use of land and design	meet requirements of local regional and national development and regeneration strategies	**	*	***	***		***	*		***	*	**	
	evaluate appropriateness of development to needs of the community including multiple use and flexibility to change use	**		***	***	*	**	*		***		**	
Engaging Stakeholders	consult with the public authorities, general public and other stakeholders, including end users	**	**	***	***		***	*	***	***		**	***
	involve stakeholders in development process from concept to commissioning	**	**	***	***	**	***	*	**	**	**	***	*
	involve stakeholders in long term maintenance process	*			**	**	**	***		**	***	***	
Minimising negative impacts	plan access and traffic routes		*	***	*		**	*	***	***	**	**	***
	plan transport (minimise vehicle trips)			***	*		**	*	***	***	***	**	***
	control nuisance (noise, dust, light etc)		*	***			**	***	***	***	***	*	***
	maintain a secure site, in construction		*				**	***	***	***		*	***
	maintain health and safety of site workers and local community	*	*				***	***	***	***	**	*	***
	protect environmentally sensitive areas	**	**	***	**		***	***	***	***	*	**	***
	assess and mitigate flood risk	**	***	**	*	*	***	**	**	***	*	**	*
ENVIRONMENT													
Taking account of natural capacity	assess and mitigate wider environmental impacts (eg water supply, sewerage, transport, waste, etc.)	**	*	***	**		***	*		***	***	*	
	anticipate and respond to impacts of climate change	**	***	***	**	**	**	**	*	**	***	*	
Maximising environmental benefits	increase energy efficiency	**		**	***	**	***	***	***	***	***	***	***
	increase water use efficiency	**		**	***	**	***	***	***	***	***	***	***
	maximise range of environmental benefits in the design	**	**	**	***		***	***		***	***	**	
	enhance biodiversity			**	**	*	***	***	***	***	**	**	
Minimising negative impacts	reduce, reuse, recycle, recover waste	*		*	**	**	***	***	***	***	***	***	***
	reduce emissions to air, land and water	*	*	*	**	*	***	***	***	***	***	***	***
	reduce transport impacts			***	**	**	**	***	***	***	***	***	***
	protect ecological resources			***	**	*	**	***	***	***	***	***	***
	minimise take of environmentally valuable land	*		***	**		***		*	***		*	*
	prevent pollution of air, land and water	*	**	*	**		***	***	***	***	***	**	***
	manage and control pre-existing contamination of land	**	**	***	**	*	***	***	***	***		**	***
	protect archaeological and historically valuable resources	**	**	***	**	*	**	***	***	***		**	***
ECONOMIC													
Ensuring economic viability	make cost effective use of technologies and materials	**	**	*	**	***	**	*	***		***	***	***
	keep up-to-date with advances in construction/technology	**	**	***	**	***	***	***	***	**	***	***	***
	calculate value (cost and benefit) on a whole life basis	**	**	***	**	***	**	***	***	**	***	**	**
	manage the supply chain effectively					***	*	*	***	**	***	***	**
	keep up-to-date with regulatory and planning requirements	*	**	***	**	***	***	*	***	***	***	***	***
	operate effective project management and contingency planning procedures		**	**		***	**	*	***	**	***	**	***
	maximise range of economic benefits in the design including flexibility of use	**	**	***	**		***	*		***	**	**	
	achieve cost effective out-performance of statutory requirements	*	**	**	**	***	**	*	***	***	***	***	***
Enhancing business opportunities	meet requirements of national, regional and local economic strategy	*	**	***	**		**	***	*	***	*	*	
	capitalise on funding/grant available for more sustainable development	**	*	*	**	***	*	*	**	**	**	*	**