Appendix C Design Questions Checklist

PROCESS CHECKLIST – STREETS AND SPACEs

These questions take the form of a checklist and are grouped into four sections A – D. They may be answered sequentially, but not necessarily. It may be necessary to run two or more iterations of the design process. The third column is therefore left as a space to indicate when sign-off is achieved.

Designers should ensure that answers to all questions are provided as an input to the creative process of design. This will help to achieve layouts and designs that meet the principles and requirements set out in the manual. Local planning and highway authority staff also can use the questions checklist to review and validate designs as part of planning applications.

Questions	Type of Output	Sign-off or remaining issues
A CONNECTIONS These questions to be answered by the developer/applicant or masterplanner, and LA traffic, highway, transport and land use planners (ideally together)		
What is the extent of the site?	Plan	
What existing connections are there? *Foot, cycle, bus, car, other*	Plan	
What is the extent of the surrounding area that should be analysed?	Plan	
What will be residents' destinations? *Facilities available in the vicinity*	Plan + text	
How can these destinations be reached? *Modes of travel and routes*	Plan + text	

What additional facilities are proposed?
      Show extent and location (on/off site):
      School, shop, station, etc
	Plan + text	

Will the scheme include destinations or routes for others (from outside the scheme)?	Plan	
Main output	***Use of "Connectogram" and accessibility map***	

B USES These questions to be answered by LA planning staff with developer/applicant		
What uses will be on the site?	Text/table	
What is the residential component? (type, size)	Text/table	

What is the non-residential component?
      Enumerate uses and floor/site area
      Retail, community, open space,
etc.
	Text/table	

How are uses distributed? (Show in plan)	Plan	
How do they relate to connections and footfall? (Parking, traffic and movement criteria)	Plan	
Do the uses relate to each other and to	Plan	

uses off-site? (Other planning criteria)		
Have land/property owners and stakeholders been consulted?	Text	
Main output:	***Masterplan and Development schedule***	

C STREETS, NETWORKS AND SPACES These questions should be answered by LA highway, transport and planning staff with developer/applicant masterplanner-designer		
What is the pattern of streets?	Plan	
Have potential "rat-runs" been considered/eliminated?	Plan and text	
Is the layout permeable, and by which modes?	Layered plan showing modes	
Will vehicular traffic be dispersed or concentrated on few streets?	Plan and text	
Will penetration of the site by cars be restricted or controlled? *By design, permit, ownership?*	Plan and text	
Are the streets straight? *(Footways, carriageways and building and property lines)*	Plan and text	
What is the reason for curves, bends or other deviations from straight?	Text	
Does the pattern of streets and urban blocks make efficient use of the site? *Capacity, amenity, access* "Urban block" is here defined as land enclosed by streets	Plan and text	
Have focal points or nodes in the network been considered?	Plan and text	
Do they maximise commercial viability, amenity?	Text	
Have potential occupiers been consulted on viability?	Text	
Have "gateway" features been considered? *Aesthetic, traffic control, other*	Text	
How will buses serve the site? Routes and bus stop locations	Plan of routes/stops	
If buses enter the site, will this be route extension, diversion, or wholly new route?	Plan and text	
Have public transport operators/specialists been consulted?	Text	
What aspects of the design will tempt people to use foot, cycle, bus?	Text	
What aspects of the scheme will help households to live without a car, or with only one car?	Text	
Main output:	***Masterplan layers and/or "design code" (Transport Assessment and Accessibility Assessment also integrated with this)***	

D LAYOUT AND DESIGN – CHARACTER OF STREETS AND SPACES	WHO? LA highway, transport and planning staff with developer/applicant masterplanner-designer and landscape designer	
Has the role of each link in the network been identified (in relation to a defined hierarchy)? *E.g. Balance of priority between modes, use by through or internal movement, maximum vehicle speeds*	Plan and text	
Have profiles of each link (or type) been designed?	Profile diagrams	
Do the street designs match the intended vehicle maximum speed? *Horizontal/vertical deflections; other*		
Are variations in character or design between different streets in the network decided and justified?	Text	
Do specified widths provide a "quality margin" for safety and amenity? *E.g. generous footways, landscaping*	Profile diagrams, illustrations	
Do drainage, sewer and utility networks coincide efficiently with the street network?	Plan and text	
Have junction designs been decided? *Priority arrangements, pedestrian desire lines, sight lines etc.*	Plan	
Are cross-roads included? If so, what priority arrangements are proposed?	Text	
Are all streets bounded by buildings and active frontage?	Plan showing active frontage	
Have streets or footways without active frontage or overlooking been avoided?	Plan showing active frontage	
Do all front doors open to the street?	Plan showing active frontage	
Is all parking overlooked?	Plan showing active frontage	
Is all parking communally provided? *For efficiency in use and hence to minimise provision*	Plan and "Transport Assessment" text	
Main output	***Masterplan layers plus supporting text***	